SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
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TRANSMITTAL MEMORANDUM

DATE: January 10, 2005

TO: Jennifer Ray
URS Corporation
111 SW Columbia, Suite 900
Portland, OR 97201-5814

PROJECT: Bradford Island, OR

REPORT NUMBER: 125060

TOTAL NUMBER OF PAGES: _____

Enclosed are the test results for twelve samples received at STL Seattle on November 24, 2004.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

Katie Downie
Project Manager

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STL Seattle

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
125060-1	041123SGA13BDW	11-23-04 10:10	Liquid
125060-2	041123SGA14BDW	11-23-04 10:30	Liquid
125060-3	041123SGA28SS	11-23-04 12:45	solid
125060-4	041123SGA29SS	11-23-04 13:15	solid
125060-5	041123SGA30SS	11-23-04 14:15	solid
125060-6	041123SGA31SS	11-23-04 14:30	solid
125060-7	041123SGA32SS	11-23-04 15:30	solid
125060-8	041123SGA33SS	11-23-04 15:45	solid
125060-9	Trip Blank	*	liquid
125060-10	041123SGA15ERW	11-23-04 17:00	Liquid
125060-11	041123SGA16ERW	11-23-04 17:20	Liquid
125060-12	Trip Blank	*	Liquid

* - Sampling time not specified for this sample

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ANALYTICAL NARRATIVE

Client: URS Corporation

Date: January 10, 2005

Project: Bradford Island, OR

Lab No.: 125060

Delivered By: Federal Express

Condition of samples upon receipt: Samples were received in good condition. Cooler temperatures are recorded on the cooler receipt form included in the chain of custody section of this report. Chain of custody was in order.

Sample Identification:

Lab. No.	Client ID	Date Sampled	Matrix
125060-1	041123SGA13BDW	11-23-04	Liquid
125060-2	041123SGA14BDW	11-23-04	Liquid
125060-3	041123SGA28SS	11-23-04	solid
125060-4	041123SGA29SS	11-23-04	solid
125060-5	041123SGA30SS	11-23-04	solid
125060-6	041123SGA31SS	11-23-04	solid
125060-7	041123SGA32SS	11-23-04	solid
125060-8	041123SGA33SS	11-23-04	solid
125060-9	Trip Blank		Liquid
125060-10	041123SGA15ERW	11-23-04	Liquid
125060-11	041123SGA16ERW	11-23-04	Liquid
125060-12	Trip Blank		Liquid

SAMPLE EXTRACTION AND ANALYSIS

VOLATILE ORGANIC COMPOUNDS

Samples 125060-1 through 125060-6 and 125060-8 through 125060-12 were analyzed for volatile organic compounds in accordance with EPA SW-846 Method 8260B. Samples 125060-1, 125060-2 and 125060-9 through 125060-12 were prepared in accordance with SW-846 Method 5030B on 12-01-04 and analyzed on 12-02-04. Samples 125060-3 through 125060-8 were collected using EnCore® airtight coring devices. Upon receipt at the laboratory, the sample was placed in a freezer at –20 °C within 48 hours after collection. Prior to analysis two of the samples were extruded into sodium bisulfate preservative and one into methanol in accordance with EPA Method 5035A and the sodium bisulfate preserved samples were analyzed on 12-03-04. The samples were analyzed within the required holding time.

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ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 10, 2005

Project: Bradford Island, OR Lab No.: 125060

VOLATILE ORGANIC COMPOUNDS

Chloromethane and naphthalene were detected in method blank VOA1052 at levels that were above the method detection limit but below the reporting limit. Bromomethane, benzene, toluene, ethylbenzene, m&p-xylene, o-xylene and styrene were detected in method blank VOA1056 at levels that were above the method detection limit but below the reporting limit. The values should be considered as estimates, and have been flagged "J". Acetone, methylene chloride and 2-butanone were detected in method blank VOA1056 at levels that were above the reporting limits. These compounds appear to be from the sodium bisulfate preserved vials, as they are not seen in the instrument blank, which is prepared in a non-preserved vial, and the values have been flagged "N". The associated sample results have been flagged "B1" or "B2", as appropriate.

Various analytes were detected in the samples at levels that were above the method detection limit but below the reporting limit. The values should be considered as estimates, and have been flagged "J".

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the volatile organic compounds analyses.

SEMIVOLATILE ORGANIC COMPOUNDS

Samples 125060-1, 125060-2, 125060-10 and 125060-11 were extracted for semivolatile organic compounds in accordance with EPA SW-846 Method 3510C and analyzed in accordance with EPA SW-846 Method 8270C on 11-30-04. Samples 125060-3 through 125060-6 and 125060-8 were extracted in accordance with EPA SW-846 Method 3550C on extracted on 11-29-04 and 11-30-04 and analyzed on 11-30-04. The samples were extracted and analyzed within the required holding time.

Samples 125060-1, 125060-2, 125060-10 and 125060-11 were analyzed as QC batch SW1040. Samples 125060-3 through 125060-6 and 125060-8 were analyzed as QC batch SS1285. Bradford Island sample 041122SGA17SS (125059-15) was used as the batch QC sample for SS1285.

Di-n-butylphthalate was detected in method blank SW1040 at levels that were above the method detection limit but below the reporting limit. Di-n-butylphthalate and butylbenzylphthalate were detected in method blank SS1285 at levels that were above the method detection limit but below the reporting limit. The values should be considered as estimates, and have been flagged "J". The associated sample results have been flagged "B1" or "B2", as appropriate.

Various analytes were detected in the samples at levels that were above the method detection limit but below the reporting limit. The values should be considered as estimates, and have been flagged "J".

The percent recovery (%R) of p-terphenyl-d14 (surrogate compound) was outside of quality control acceptance limits in the blank spike analysis for samples associated with sample batch SSS1285. No corrective action was taken based on the outlier since all other surrogate values were within QC limits for the blank spike and the surrogate compound was within for the blank spike duplicate analysis.

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ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 10, 2005

Project: Bradford Island, OR Lab No.: 125060

SEMIVOLATILE ORGANIC COMPOUNDS Continued

The relative percent differences (RPD) between the blank spike (BS) and blank spike duplicate (BSD) associated with QC batch SS1285 exceeded the QC limits for phenol, 2-chlorophenol, 1,2,4-trichlorobenzene, 4-chloro-3-methylphenol and pyrene. No corrective action was taken, as the recoveries of these analytes were acceptable in the BS and BSD. The RPDs have been flagged "N".

The %Rs and/or RPDs of 1,2,4-trichlorobenzene and 4-nitrophenol in the matrix spike (MS)/matrix spike duplicate (MSD) analysis of batch QC sample 125060-01 exceeded the QC acceptance limits. The %Rs and/or RPDs of n-nitroso-di-n-propylamine, 1,2,4-trichlorobenzene, 4-chloro-3-methylphenol, 4-nitrophenol, 2,4-dinitrotoluene and pentachlorophenol in the MS/MSD analysis of batch QC sample 125050-15 exceeded the QC acceptance limits. No corrective action was taken, as the recoveries of these analytes were acceptable in the associated BS and BSD. The %Rs and RPDs have been flagged "X7"

The %Rs and RPDs of batch QC sample 125059-15 exceeded the QC acceptance limits for acenaphthene and pyrene, due to high concentrations of the analytes in the original sample. No corrective action was taken based on these outliers. The %Rs and RPDs have been flagged "X7a".

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the semivolatile organic compounds analyses.

ORGANOTIN COMPOUNDS

Samples 125060-3, 125060-4, 125060-6 and 125060-11 were analyzed for organotin compounds in accordance with the Krone Method (Ion Trap GC-MS). Samples 125060-3, 125060-4 and 125060-6 were extracted on 11-30-04 and analyzed on 12-1-04. Sample 125060-11 was extracted on 11-29-04 and analyzed on 12-2-04. The samples were analyzed within the required holding time.

Bradford Island sample 041122SGA24SG (125059-01) was used as the batch QC sample for STN0119.

The %R of tributlytin in the MS analysis of sample 125059-01 exceeded the QC acceptance limits. No corrective action was taken and the recovery of this analyte was acceptable in the associated BS and BSD. The %R has been flagged "X7"

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the organotin compounds analyses.

CHLORINATED PESTICIDES

Sample 125060-3 through 125060-6 and 125060-11 were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. Samples 125060-3 through 125060-6 were extracted in accordance with EPA SW-846 Method 3550B on 12-7-04 and analyzed on 12-9-04. Sample 125060-11 was extracted in accordance with EPA SW-846 Method 3510C on 11-30-04 and analyzed on 12-1-04. The samples were analyzed within the required holding times.

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STL Seattle

ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 10, 2005

Project: Bradford Island, OR Lab No.: 125060

CHLORINATED PESTICIDES

Sample 125060-4 was analyzed as QC batch PE1805.

The percent recovery of decachlorobiphenyl (surrogate compound) for sample 125060-11 and the blank spike/blank spike duplicate analyses for samples associated with batch PW0295 were below quality control acceptance limits. No corrective action was taken due to insufficient sample volume available for reextraction and reanalysis.

Second column conformation of the detected analytes was performed, and the sample results have been flagged "C1" or "C2", as appropriate.

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the chlorinated pesticide analyses.

POLYCHLORINATED BIPHENYLS (PCBs)

Samples 125060-03 through 125060-6 and 125060-11 were analyzed for PCBs in accordance with EPA SW-846 Method 8082. Samples 125060-3 through 125060-6 were extracted in accordance with EPA SW-846 Method 3550B on 11-30-04 and analyzed on 12-02-04. Sample 125060-11 was extracted in accordance with EPA SW-846 Method 3510C on 11-30-04 and analyzed on 12-01-04. The samples were extracted and analyzed within the required holding times.

Second column conformation of the detected analytes was performed, and the sample results have been flagged "GC".

Sample 125059-15 was analyzed as batch QC for sample batch PB0859.

The percent recoveries %R of decachlorobiphenyl (surrogate compound) for the method blank, blank spike and blank spike duplicate analysis for sample batch PB0859 was outside of quality control acceptance limits. The percent recoveries of tetrachloro-m-xylene (surrogate compound) were within acceptance limits as well as the percent recoveries for Aroclor 1242 and 1260 in the blank spike/blank spike duplicate and matrix spike/matrix spike duplicate analyses. The surrogate spike solution was near expiration and more than likely concentrated. A new surrogate spike solution was prepared for future sample batches.

The relative percent difference value (RPD) of Aroclor 1242 exceeded the QC acceptance limits for the matrix spike/matrix spike duplicate analysis for sample batch PB0859. Matrix interference is suggested by the acceptable recoveries of the spikes in the blank spike and blank spike duplicate. The %Rs have been flagged "X7".

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the PCB analyses.

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ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 10, 2005

Project: Bradford Island, OR Lab No.: 125060

GASOLINE RANGE ORGANICS (GRO)
Samples 125060-3, 125060-4, 125060-6, 125060-8, 125060-10 and 125060-11 were analyzed for GRO in accordance with the NWTPH-Gx. The samples were prepared on 11-30-04 and 12-3-04 and analyzed on 12-1-04 and 12-3-04, which was within the required holding time.

No project-specific MS was analyzed with this QC batch.

GRO was detected in method blanks GB4029 and GB4030 at levels that were above the method detection limit but below the reporting limit. The value should be considered as an estimate, and has been flagged "J". The associated sample results have been flagged "B1" or "B2", as appropriate.

GRO was detected in samples 125060-3, 125060-8, 125060-10 and 125060-11 at levels that were above the method detection limit but below the reporting limit. The values should be considered as an estimate, and has been flagged "J".

The concentration of gasoline in sample 125060-6 does not appear to be gasoline range organics. The chromatogram suggests that it may be multiple single component contamination.

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the GRO analyses.

EXTENDED DIESEL RANGE ORGANICS
Samples 125060-3, 125060-4, 125060-6, 125060-8, 125060-10 and 125060-11 were analyzed for diesel and motor oil range organics in accordance with NWTPH-Dx. The samples were extracted 11-29-04 and analyzed on 12-1-04 and 12-2-04, which was within the required holding time.

Sample 125060-8 and 125060-6 were analyzed as QC batch DS1352.

HRO was detected in method blank DW40703 at a level that was above the method detection limit but below the reporting limit. The value should be considered as an estimate, and has been flagged "J". The associated sample results have been flagged "B1" or "B2", as appropriate.

DRO was detected in sample 125060-4 at a level that was above the method detection limit but below the reporting limit. The values should be considered as an estimate, and has been flagged "J".

The RPDs between the BS and BSD exceeded the QC acceptance limits for the diesel range. No corrective action was taken, as the %Rs were within the QC limits. The RPDs have been flagged "N".

The relative percent difference value for the DRO for the duplicate analysis of sample 125060-6 was outside of quality control acceptance limits due to sample results reported near the reporting limit.

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the DRO analyses.

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STL Seattle

ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 10, 2005

Project: Bradford Island, OR Lab No.: 125060

TOTAL METALS

Samples 125060-1 through 125060-6, 125060-8 and 125060-10 were analyzed for total aluminum, calcium, cobalt, iron, magnesium, nickel, potassium, sodium and vanadium in accordance with EPA SW-846 Method 6010B, antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, manganese, selenium, silver, thallium and zinc in accordance with EPA SW-846 Method 6020 and mercury in accordance with EPA SW-846 Method 7470A or 7471A. Samples 125060-1, 125060-2 and 125060-10 were digested in accordance with EPA SW-846 Method 3005 on 12-2-04 and analyzed by Method 6010B on 12-2-04 and Method 6020 on 12-2-04, as QC batch TP774. Samples 125060-3 through 125060-6 and 125060-10 were digested in accordance with EPA SW-846 Method 3050B and analyzed by Methods 6010B and 6020 on 12-1-04 and 12-2-04, as QC batch SP772. Samples 125060-1, 125060-2 and 125060-10 were digested and analyzed for mercury in accordance with EPA SW-846 Method 7470A on 12-2-04, as QC batch ZT217. Samples 125060-3 through 125060-6 and 125060-8 were digested and analyzed for mercury in accordance with EPA SW-846 Method 7471A on 12-1-04, as QC batch ZS214. The samples were analyzed within the required holding time.

Bradford Island sample 041117SGA05GW (125060-11) was used as the batch QC sample for TP760.

Barium, chromium, copper, lead, manganese, sodium and zinc were detected in method blank SP772 at levels that were above the method detection limit but below the reporting limit. Barium, lead, manganese, sodium and zinc were detected in method blank TP774 at levels that were above the method detection limit but below the reporting limit. The values should be considered as estimates, and have been flagged "J". The associated sample results have been flagged "B1" or "B2", as appropriate.

Various analytes were detected in the samples at levels that were above the method detection limit but below the reporting limit. The values should be considered as estimates, and have been flagged "J".

The %Rs of aluminum, iron and lead in the matrix spike analysis of sample 125059-15 (batch QC) exceeded the QC acceptance limits due to the high concentration of the analyze in the original analysis. The %R has been flagged "X7a."

The RPDs between sample 125060-1 and its duplicate exceeded the QC acceptance limits for aluminum and silver, due to analyte concentrations near the reporting limit. The RPDs have been flagged "X4a."

The RPD between sample 125059-15 (batch QC) and its duplicate exceeded the QC acceptance limits for potassium due to analyte concentrations near the reporting limit. The RPD between sample 125059-15 (batch QC) and its duplicate exceeded the QC acceptance limits for mercury due to analyte concentrations near the reporting limit. The RPDs have been flagged "X4a."

The RPD between sample 125059-15 (batch QC) and its duplicate exceeded the QC acceptance limits for iron. The sample was reanalyzed with similar results.

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the total metals analyses.

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ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 10, 2005

Project: Bradford Island, OR Lab No.: 125060

TOTAL ORGANIC CARBON (TOC)
Sample 125060-11 was analyzed for TOC in accordance with EPA SW-846 Method 9060. The sample was analyzed on 11-24-05. Samples 125060-3, 125060-4, 125060-6 and 125060-8 were analyzed for TOC by STL Burlington, and is included at the end of this data package

Bradford Island 041119SGA01GW (125010-2) was used as the batch QC sample.

All quality control parameters were within the acceptance limits.

No difficulties were encountered during the TOC analyses.

GRAIN SIZE
Samples 125060-3, 125060-4, 125060-6 and 125060-8 were analyzed for grain size by STL Burlington, and is included at the end of this data package

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Client Name:	URS Corporation
Client ID:	041123SGA13BDW
Lab ID:	125060-01
Date Received:	11/24/2004
Date Prepared:	12/1/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	105		80	120
Fluorobenzene	111		80	120
Toluene-D8	106		80	120
Ethylbenzene-d10	113		80	120
Bromofluorobenzene	97.9		80	120
Trifluorotoluene	107		80	120

Analyte	Result (ug/L)	RL	MDL	Flags
Dichlorodifluoromethane	ND	1	0.0575	
Chloromethane	ND	1	0.11	
Vinyl chloride	ND	1	0.0604	
Bromomethane	ND	1	0.0748	
Chloroethane	ND	1	0.187	
Trichlorofluoromethane	ND	1	0.062	
1,1-Dichloroethene	ND	1	0.0595	
Carbon disulfide	ND	1	0.0494	
Acetone	ND	5	1.2	
Methylene chloride	ND	1	0.0752	
trans-1,2-Dichloroethene	ND	1	0.0584	
1,1-Dichloroethane	ND	1	0.036	
Vinyl acetate	ND	5	0.32	
2,2-Dichloropropane	ND	1	0.0487	
2-Butanone	ND	5	1.71	
cis-1,2-Dichloroethene	ND	1	0.0433	
Bromochloromethane	ND	1	0.0573	
Chloroform	0.333	1	0.0717	J
1,1,1-Trichloroethane	ND	1	0.0477	
Carbon Tetrachloride	ND	1	0.097	
1,1-Dichloropropene	ND	1	0.0695	
Benzene	ND	1	0.0417	
1,2-Dichloroethane	ND	1	0.0533	
Trichloroethene	ND	1	0.0641	
1,2-Dichloropropane	ND	1	0.038	
Dibromomethane	ND	1	0.0864	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 125060-01 continued...

Analyte	Result (ug/L)	RL	MDL	Flags
Bromodichloromethane	0.473	1	0.0785	J
cis-1,3-Dichloropropene	ND	1	0.0301	
4-Methyl-2-pentanone	ND	5	0.309	
Toluene	ND	1	0.0588	
trans-1,3-Dichloropropene	ND	1	0.0539	
1,1,2-Trichloroethane	ND	1	0.0627	
Tetrachloroethene	ND	1	0.0578	
1,3-Dichloropropane	ND	1	0.0738	
2-Hexanone	ND	5	0.993	
Dibromochloromethane	0.41	1	0.0539	J
1,2-Dibromoethane	ND	1	0.0637	
Chlorobenzene	ND	1	0.0376	
Ethylbenzene	ND	1	0.0226	
1,1,1,2-Tetrachloroethane	ND	1	0.0528	
m,p-Xylene	ND	2	0.0718	
o-Xylene	ND	1	0.0265	
Styrene	ND	1	0.0279	
Bromoform	0.62	1	0.083	J
Isopropylbenzene	ND	1	0.0165	
Bromobenzene	ND	1	0.0475	
n-Propylbenzene	ND	1	0.0356	
1,1,2,2-Tetrachloroethane	ND	1	0.068	
1,2,3-Trichloropropane	ND	1	0.123	
2-Chlorotoluene	ND	1	0.0857	
1,3,5-Trimethylbenzene	ND	1	0.0249	
4-Chlorotoluene	ND	1	0.0491	
t-Butylbenzene	ND	1	0.0535	
1,2,4-Trimethylbenzene	ND	1	0.0283	
sec-Butylbenzene	ND	1	0.0358	
1,3-Dichlorobenzene	ND	1	0.0599	
4-Isopropyltoluene	ND	1	0.0397	
1,4-Dichlorobenzene	ND	1	0.018	
n-Butylbenzene	ND	1	0.0603	
1,2-Dichlorobenzene	ND	1	0.0383	
1,2-Dibromo-3-chloropropane	ND	1	0.222	
1,2,4-Trichlorobenzene	ND	1	0.0513	
1,2,3-Trichlorobenzene	ND	1	0.0605	
Hexachlorobutadiene	ND	1	0.152	
Naphthalene	ND	1	0.0317	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA14BDW
Lab ID:	125060-02
Date Received:	11/24/2004
Date Prepared:	12/1/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	103		80	120
Fluorobenzene	108		80	120
Toluene-D8	106		80	120
Ethylbenzene-d10	114		80	120
Bromofluorobenzene	100		80	120
Trifluorotoluene	101		80	120

Analyte	Result (ug/L)	RL	MDL	Flags
Dichlorodifluoromethane	ND	1	0.0575	
Chloromethane	ND	1	0.11	
Vinyl chloride	ND	1	0.0604	
Bromomethane	ND	1	0.0748	
Chloroethane	ND	1	0.187	
Trichlorofluoromethane	ND	1	0.062	
1,1-Dichloroethene	ND	1	0.0595	
Carbon disulfide	ND	1	0.0494	
Acetone	ND	5	1.2	
Methylene chloride	ND	1	0.0752	
trans-1,2-Dichloroethene	ND	1	0.0584	
1,1-Dichloroethane	ND	1	0.036	
Vinyl acetate	ND	5	0.32	
2,2-Dichloropropane	ND	1	0.0487	
2-Butanone	ND	5	1.71	
cis-1,2-Dichloroethene	ND	1	0.0433	
Bromochloromethane	ND	1	0.0573	
Chloroform	0.341	1	0.0717	J
1,1,1-Trichloroethane	ND	1	0.0477	
Carbon Tetrachloride	ND	1	0.097	
1,1-Dichloropropene	ND	1	0.0695	
Benzene	ND	1	0.0417	
1,2-Dichloroethane	ND	1	0.0533	
Trichloroethene	ND	1	0.0641	
1,2-Dichloropropane	ND	1	0.038	
Dibromomethane	ND	1	0.0864	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 125060-02 continued...

Analyte	Result (ug/L)	RL	MDL	Flags
Bromodichloromethane	0.403	1	0.0785	J
cis-1,3-Dichloropropene	ND	1	0.0301	
4-Methyl-2-pentanone	ND	5	0.309	
Toluene	ND	1	0.0588	
trans-1,3-Dichloropropene	ND	1	0.0539	
1,1,2-Trichloroethane	ND	1	0.0627	
Tetrachloroethene	ND	1	0.0578	
1,3-Dichloropropane	ND	1	0.0738	
2-Hexanone	ND	5	0.993	
Dibromochloromethane	0.396	1	0.0539	J
1,2-Dibromoethane	ND	1	0.0637	
Chlorobenzene	ND	1	0.0376	
Ethylbenzene	ND	1	0.0226	
1,1,1,2-Tetrachloroethane	ND	1	0.0528	
m,p-Xylene	ND	2	0.0718	
o-Xylene	ND	1	0.0265	
Styrene	ND	1	0.0279	
Bromoform	0.776	1	0.083	J
Isopropylbenzene	ND	1	0.0165	
Bromobenzene	ND	1	0.0475	
n-Propylbenzene	ND	1	0.0356	
1,1,2,2-Tetrachloroethane	ND	1	0.068	
1,2,3-Trichloropropane	ND	1	0.123	
2-Chlorotoluene	ND	1	0.0857	
1,3,5-Trimethylbenzene	ND	1	0.0249	
4-Chlorotoluene	ND	1	0.0491	
t-Butylbenzene	ND	1	0.0535	
1,2,4-Trimethylbenzene	ND	1	0.0283	
sec-Butylbenzene	ND	1	0.0358	
1,3-Dichlorobenzene	ND	1	0.0599	
4-Isopropyltoluene	ND	1	0.0397	
1,4-Dichlorobenzene	ND	1	0.018	
n-Butylbenzene	ND	1	0.0603	
1,2-Dichlorobenzene	ND	1	0.0383	
1,2-Dibromo-3-chloropropane	ND	1	0.222	
1,2,4-Trichlorobenzene	ND	1	0.0513	
1,2,3-Trichlorobenzene	ND	1	0.0605	
Hexachlorobutadiene	ND	1	0.152	
Naphthalene	ND	1	0.0317	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA28SS
Lab ID:	125060-03
Date Received:	11/24/2004
Date Prepared:	12/3/2004
Date Analyzed:	12/3/2004
% Solids	87.46
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	102		75	125
Fluorobenzene	91		75	125
Toluene-D8	95.7		75	125
Ethylbenzene-d10	94.7		75	125
Bromofluorobenzene	94		75	125
Trifluorotoluene	123		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Dichlorodifluoromethane	ND	1.41	0.0578	
Chloromethane	ND	1.41	0.495	
Vinyl chloride	ND	1.41	0.263	
Bromomethane	ND	1.41	0.496	
Chloroethane	ND	1.41	0.81	
Trichlorofluoromethane	ND	1.41	0.495	
1,1-Dichloroethene	ND	1.41	0.551	
Carbon disulfide	ND	1.41	0.39	
Acetone	89.1	7.07	3.65	B1
Methylene chloride	2.43	1.41	0.232	B1
trans-1,2-Dichloroethene	ND	1.41	0.354	
1,1-Dichloroethane	ND	1.41	0.0714	
Vinyl acetate	ND	7.07	1.43	
2,2-Dichloropropane	ND	1.41	0.0953	
2-Butanone	8.89	7.07	2.59	B1
cis-1,2-Dichloroethene	ND	1.41	0.127	
Bromochloromethane	ND	1.41	0.0648	
Chloroform	ND	1.41	0.0752	
1,1,1-Trichloroethane	ND	1.41	0.0812	
Carbon Tetrachloride	ND	1.41	0.119	
1,1-Dichloropropene	ND	1.41	1.13	
Benzene	0.235	1.41	0.0895	J B1
1,2-Dichloroethane	ND	1.41	0.11	
Trichloroethene	0.0614	1.41	0.0454	J
1,2-Dichloropropane	ND	1.41	0.0535	
Dibromomethane	ND	1.41	0.0916	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for 125060-03 continued...

Analyte		Result (ug/kg)	RL	MDL	Flags
Bromodichloromethane	ND		1.41	0.0874	
cis-1,3-Dichloropropene	ND		1.41	0.0516	
4-Methyl-2-pentanone	ND		7.07	0.896	
Toluene		0.433	1.41	0.0431	J B1
trans-1,3-Dichloropropene	ND		1.41	0.0641	
1,1,2-Trichloroethane	ND		1.41	0.112	
Tetrachloroethene	ND		1.41	0.143	
1,3-Dichloropropane	ND		1.41	0.0758	
2-Hexanone	ND		7.07	1.54	
Dibromochloromethane	ND		1.41	0.0912	
1,2-Dibromoethane	ND		1.41	0.0718	
Chlorobenzene	ND		1.41	0.0628	
Ethylbenzene		0.0986	1.41	0.0349	J B1
1,1,1,2-Tetrachloroethane	ND		1.41	0.0553	
m,p-Xylene		0.204	2.83	0.119	J B1
o-Xylene		0.0759	1.41	0.0424	J B1
Styrene		0.134	1.41	0.0339	J B1
Bromoform	ND		1.41	0.0875	
Isopropylbenzene	ND		1.41	0.0527	
Bromobenzene	ND		1.41	0.0561	
n-Propylbenzene	ND		1.41	0.0663	
1,1,2,2-Tetrachloroethane	ND		1.41	0.0796	
1,2,3-Trichloropropane	ND		1.41	0.0945	
2-Chlorotoluene	ND		1.41	0.0612	
1,3,5-Trimethylbenzene	ND		1.41	0.0539	
4-Chlorotoluene	ND		1.41	0.117	
t-Butylbenzene	ND		1.41	0.0341	
1,2,4-Trimethylbenzene		0.215	1.41	0.0597	J
sec-Butylbenzene	ND		1.41	0.0551	
1,3-Dichlorobenzene	ND		1.41	0.0488	
4-Isopropyltoluene		0.253	1.41	0.079	J
1,4-Dichlorobenzene	ND		1.41	0.0689	
n-Butylbenzene	ND		1.41	0.131	
1,2-Dichlorobenzene	ND		1.41	0.0718	
1,2-Dibromo-3-chloropropane	ND		1.41	0.168	
1,2,4-Trichlorobenzene	ND		1.41	0.137	
1,2,3-Trichlorobenzene	ND		1.41	0.135	
Hexachlorobutadiene	ND		1.41	0.0829	
Naphthalene	ND		1.41	0.583	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA29SS
Lab ID:	125060-04
Date Received:	11/24/2004
Date Prepared:	12/3/2004
Date Analyzed:	12/3/2004
% Solids	93.13
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	98.5		75	125
Fluorobenzene	87.8		75	125
Toluene-D8	98.7		75	125
Ethylbenzene-d10	96.6		75	125
Bromofluorobenzene	99		75	125
Trifluorotoluene	89.9		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Dichlorodifluoromethane	ND	1.37	0.056	
Chloromethane	ND	1.37	0.48	
Vinyl chloride	ND	1.37	0.255	
Bromomethane	ND	1.37	0.481	
Chloroethane	ND	1.37	0.785	
Trichlorofluoromethane	ND	1.37	0.48	
1,1-Dichloroethene	ND	1.37	0.534	
Carbon disulfide	ND	1.37	0.378	
Acetone	144	6.85	3.54	B1
Methylene chloride	4.35	1.37	0.225	B1
trans-1,2-Dichloroethene	ND	1.37	0.343	
1,1-Dichloroethane	ND	1.37	0.0692	
Vinyl acetate	ND	6.85	1.38	
2,2-Dichloropropane	ND	1.37	0.0924	
2-Butanone	10.7	6.85	2.51	B1
cis-1,2-Dichloroethene	ND	1.37	0.123	
Bromochloromethane	ND	1.37	0.0628	
Chloroform	ND	1.37	0.0729	
1,1,1-Trichloroethane	ND	1.37	0.0787	
Carbon Tetrachloride	ND	1.37	0.115	
1,1-Dichloropropene	ND	1.37	1.09	
Benzene	0.108	1.37	0.0867	J B1
1,2-Dichloroethane	ND	1.37	0.106	
Trichloroethene	ND	1.37	0.044	
1,2-Dichloropropane	ND	1.37	0.0518	
Dibromomethane	ND	1.37	0.0888	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for 125060-04 continued...

Analyte		Result (ug/kg)	RL	MDL	Flags
Bromodichloromethane	ND		1.37	0.0847	
cis-1,3-Dichloropropene	ND		1.37	0.05	
4-Methyl-2-pentanone	ND		6.85	0.869	
Toluene		0.236	1.37	0.0418	J B1
trans-1,3-Dichloropropene	ND		1.37	0.0621	
1,1,2-Trichloroethane	ND		1.37	0.109	
Tetrachloroethene	ND		1.37	0.138	
1,3-Dichloropropane	ND		1.37	0.0734	
2-Hexanone	ND		6.85	1.49	
Dibromochloromethane	ND		1.37	0.0884	
1,2-Dibromoethane	ND		1.37	0.0696	
Chlorobenzene	ND		1.37	0.0608	
Ethylbenzene		0.0473	1.37	0.0338	J B1
1,1,1,2-Tetrachloroethane	ND		1.37	0.0536	
m,p-Xylene		0.137	2.74	0.116	J B1
o-Xylene	ND		1.37	0.0411	
Styrene		0.102	1.37	0.0329	J B1
Bromoform	ND		1.37	0.0848	
Isopropylbenzene	ND		1.37	0.0511	
Bromobenzene	ND		1.37	0.0544	
n-Propylbenzene	ND		1.37	0.0643	
1,1,2,2-Tetrachloroethane	ND		1.37	0.0771	
1,2,3-Trichloropropane	ND		1.37	0.0915	
2-Chlorotoluene	ND		1.37	0.0593	
1,3,5-Trimethylbenzene	ND		1.37	0.0522	
4-Chlorotoluene	ND		1.37	0.113	
t-Butylbenzene	ND		1.37	0.033	
1,2,4-Trimethylbenzene	ND		1.37	0.0578	
sec-Butylbenzene	ND		1.37	0.0534	
1,3-Dichlorobenzene	ND		1.37	0.0473	
4-Isopropyltoluene	ND		1.37	0.0766	
1,4-Dichlorobenzene	ND		1.37	0.0667	
n-Butylbenzene	ND		1.37	0.127	
1,2-Dichlorobenzene	ND		1.37	0.0696	
1,2-Dibromo-3-chloropropane	ND		1.37	0.163	
1,2,4-Trichlorobenzene	ND		1.37	0.133	
1,2,3-Trichlorobenzene	ND		1.37	0.13	
Hexachlorobutadiene	ND		1.37	0.0803	
Naphthalene	ND		1.37	0.565	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA30SS
Lab ID:	125060-05
Date Received:	11/24/2004
Date Prepared:	12/3/2004
Date Analyzed:	12/3/2004
% Solids	79.63
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	99.4		75	125
Fluorobenzene	87.6		75	125
Toluene-D8	95.4		75	125
Ethylbenzene-d10	92.9		75	125
Bromofluorobenzene	85.1		75	125
Trifluorotoluene	75.7		75	125

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Dichlorodifluoromethane	ND	1.68	0.0686	
Chloromethane	ND	1.68	0.587	
Vinyl chloride	ND	1.68	0.312	
Bromomethane	ND	1.68	0.589	
Chloroethane	ND	1.68	0.961	
Trichlorofluoromethane	ND	1.68	0.587	
1,1-Dichloroethene	ND	1.68	0.654	
Carbon disulfide	0.549	1.68	0.463	J
Acetone	329	8.39	4.33	B1
Methylene chloride	5.38	1.68	0.275	B1
trans-1,2-Dichloroethene	ND	1.68	0.419	
1,1-Dichloroethane	ND	1.68	0.0847	
Vinyl acetate	ND	8.39	1.69	
2,2-Dichloropropane	ND	1.68	0.113	
2-Butanone	19.3	8.39	3.07	B1
cis-1,2-Dichloroethene	ND	1.68	0.151	
Bromochloromethane	ND	1.68	0.0768	
Chloroform	ND	1.68	0.0892	
1,1,1-Trichloroethane	ND	1.68	0.0963	
Carbon Tetrachloride	ND	1.68	0.141	
1,1-Dichloropropene	ND	1.68	1.34	
Benzene	0.474	1.68	0.106	J B1
1,2-Dichloroethane	ND	1.68	0.13	
Trichloroethene	ND	1.68	0.0538	
1,2-Dichloropropane	ND	1.68	0.0634	
Dibromomethane	ND	1.68	0.109	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for 125060-05 continued...

Analyte		Result (ug/kg)	RL	MDL	Flags
Bromodichloromethane	ND		1.68	0.104	
cis-1,3-Dichloropropene	ND		1.68	0.0612	
4-Methyl-2-pentanone	ND		8.39	1.06	
Toluene		0.786	1.68	0.0512	J B1
trans-1,3-Dichloropropene	ND		1.68	0.076	
1,1,2-Trichloroethane	ND		1.68	0.133	
Tetrachloroethene	ND		1.68	0.169	
1,3-Dichloropropane	ND		1.68	0.0899	
2-Hexanone	ND		8.39	1.83	
Dibromochloromethane	ND		1.68	0.108	
1,2-Dibromoethane	ND		1.68	0.0852	
Chlorobenzene	ND		1.68	0.0745	
Ethylbenzene		0.177	1.68	0.0414	J B1
1,1,1,2-Tetrachloroethane	ND		1.68	0.0656	
m,p-Xylene		0.302	3.35	0.141	J B1
o-Xylene		0.104	1.68	0.0503	J B1
Styrene	ND		1.68	0.0403	
Bromoform	ND		1.68	0.104	
Isopropylbenzene	ND		1.68	0.0626	
Bromobenzene	ND		1.68	0.0666	
n-Propylbenzene	ND		1.68	0.0787	
1,1,2,2-Tetrachloroethane	ND		1.68	0.0944	
1,2,3-Trichloropropane	ND		1.68	0.112	
2-Chlorotoluene	ND		1.68	0.0726	
1,3,5-Trimethylbenzene	ND		1.68	0.0639	
4-Chlorotoluene	ND		1.68	0.139	
t-Butylbenzene	ND		1.68	0.0404	
1,2,4-Trimethylbenzene		0.252	1.68	0.0708	J
sec-Butylbenzene	ND		1.68	0.0654	
1,3-Dichlorobenzene	ND		1.68	0.0579	
4-Isopropyltoluene		0.152	1.68	0.0937	J
1,4-Dichlorobenzene	ND		1.68	0.0817	
n-Butylbenzene	ND		1.68	0.155	
1,2-Dichlorobenzene	ND		1.68	0.0852	
1,2-Dibromo-3-chloropropane	ND		1.68	0.2	
1,2,4-Trichlorobenzene	ND		1.68	0.163	
1,2,3-Trichlorobenzene	ND		1.68	0.16	
Hexachlorobutadiene	ND		1.68	0.0983	
Naphthalene	ND		1.68	0.691	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA31SS
Lab ID:	125060-06
Date Received:	11/24/2004
Date Prepared:	12/3/2004
Date Analyzed:	12/3/2004
% Solids	77.35
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	109		75	125
Fluorobenzene	91.6		75	125
Toluene-D8	96.3		75	125
Ethylbenzene-d10	91.3		75	125
Bromofluorobenzene	90.6		75	125
Trifluorotoluene	100		75	125

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Dichlorodifluoromethane	ND		2.39	0.0977	
Chloromethane	ND		2.39	0.836	
Vinyl chloride	ND		2.39	0.444	
Bromomethane	ND		2.39	0.839	
Chloroethane	ND		2.39	1.37	
Trichlorofluoromethane	ND		2.39	0.836	
1,1-Dichloroethene	ND		2.39	0.932	
Carbon disulfide	ND		2.39	0.66	
Acetone		292	11.9	6.17	B1
Methylene chloride		9.54	2.39	0.392	B1
trans-1,2-Dichloroethene	ND		2.39	0.597	
1,1-Dichloroethane	ND		2.39	0.121	
Vinyl acetate	ND		11.9	2.41	
2,2-Dichloropropane	ND		2.39	0.161	
2-Butanone		29.2	11.9	4.37	B1
cis-1,2-Dichloroethene	ND		2.39	0.215	
Bromochloromethane	ND		2.39	0.109	
Chloroform	ND		2.39	0.127	
1,1,1-Trichloroethane	ND		2.39	0.137	
Carbon Tetrachloride	ND		2.39	0.201	
1,1-Dichloropropene	ND		2.39	1.91	
Benzene		0.514	2.39	0.151	J B1
1,2-Dichloroethane	ND		2.39	0.185	
Trichloroethene	ND		2.39	0.0767	
1,2-Dichloropropane	ND		2.39	0.0903	
Dibromomethane	ND		2.39	0.155	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for 125060-06 continued...

Analyte		Result (ug/kg)	RL	MDL	Flags
Bromodichloromethane	ND		2.39	0.148	
cis-1,3-Dichloropropene	ND		2.39	0.0872	
4-Methyl-2-pentanone	ND		11.9	1.52	
Toluene		1.33	2.39	0.0729	J B1
trans-1,3-Dichloropropene	ND		2.39	0.108	
1,1,2-Trichloroethane	ND		2.39	0.19	
Tetrachloroethene	ND		2.39	0.241	
1,3-Dichloropropane	ND		2.39	0.128	
2-Hexanone	ND		11.9	2.6	
Dibromochloromethane	ND		2.39	0.154	
1,2-Dibromoethane	ND		2.39	0.121	
Chlorobenzene	ND		2.39	0.106	
Ethylbenzene		0.101	2.39	0.059	J B1
1,1,1,2-Tetrachloroethane	ND		2.39	0.0934	
m,p-Xylene		0.284	4.78	0.201	J B1
o-Xylene		0.0915	2.39	0.0717	J B1
Styrene		0.14	2.39	0.0574	J B1
Bromoform	ND		2.39	0.148	
Isopropylbenzene	ND		2.39	0.0891	
Bromobenzene	ND		2.39	0.0949	
n-Propylbenzene	ND		2.39	0.112	
1,1,2,2-Tetrachloroethane	ND		2.39	0.135	
1,2,3-Trichloropropane	ND		2.39	0.16	
2-Chlorotoluene	ND		2.39	0.103	
1,3,5-Trimethylbenzene	ND		2.39	0.091	
4-Chlorotoluene	ND		2.39	0.198	
t-Butylbenzene	ND		2.39	0.0576	
1,2,4-Trimethylbenzene	ND		2.39	0.101	
sec-Butylbenzene	ND		2.39	0.0932	
1,3-Dichlorobenzene	ND		2.39	0.0824	
4-Isopropyltoluene		1.11	2.39	0.134	J
1,4-Dichlorobenzene	ND		2.39	0.116	
n-Butylbenzene	ND		2.39	0.221	
1,2-Dichlorobenzene	ND		2.39	0.121	
1,2-Dibromo-3-chloropropane	ND		2.39	0.284	
1,2,4-Trichlorobenzene	ND		2.39	0.232	
1,2,3-Trichlorobenzene	ND		2.39	0.227	
Hexachlorobutadiene	ND		2.39	0.14	
Naphthalene	ND		2.39	0.985	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA33SS
Lab ID:	125060-08
Date Received:	11/24/2004
Date Prepared:	12/3/2004
Date Analyzed:	12/3/2004
% Solids	81.23
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	102		75	125
Fluorobenzene	90.2		75	125
Toluene-D8	97.2		75	125
Ethylbenzene-d10	95.9		75	125
Bromofluorobenzene	93.2		75	125
Trifluorotoluene	109		75	125

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Dichlorodifluoromethane	ND	1.21	0.0494	
Chloromethane	ND	1.21	0.423	
Vinyl chloride	ND	1.21	0.225	
Bromomethane	0.72	1.21	0.424	J B1
Chloroethane	ND	1.21	0.693	
Trichlorofluoromethane	ND	1.21	0.423	
1,1-Dichloroethene	ND	1.21	0.471	
Carbon disulfide	ND	1.21	0.334	
Acetone	76.6	6.04	3.12	B1
Methylene chloride	2.14	1.21	0.198	B1
trans-1,2-Dichloroethene	ND	1.21	0.302	
1,1-Dichloroethane	ND	1.21	0.061	
Vinyl acetate	ND	6.04	1.22	
2,2-Dichloropropane	ND	1.21	0.0815	
2-Butanone	10.6	6.04	2.21	B1
cis-1,2-Dichloroethene	ND	1.21	0.109	
Bromochloromethane	ND	1.21	0.0554	
Chloroform	ND	1.21	0.0643	
1,1,1-Trichloroethane	ND	1.21	0.0694	
Carbon Tetrachloride	ND	1.21	0.102	
1,1-Dichloropropene	ND	1.21	0.966	
Benzene	0.396	1.21	0.0765	J B1
1,2-Dichloroethane	ND	1.21	0.0937	
Trichloroethene	0.045	1.21	0.0388	J
1,2-Dichloropropane	ND	1.21	0.0457	
Dibromomethane	ND	1.21	0.0783	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for 125060-08 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Bromodichloromethane	ND	1.21	0.0747	
cis-1,3-Dichloropropene	ND	1.21	0.0441	
4-Methyl-2-pentanone	ND	6.04	0.766	
Toluene	0.363	1.21	0.0369	J B1
trans-1,3-Dichloropropene	ND	1.21	0.0547	
1,1,2-Trichloroethane	ND	1.21	0.096	
Tetrachloroethene	0.95	1.21	0.122	J
1,3-Dichloropropane	ND	1.21	0.0648	
2-Hexanone	ND	6.04	1.32	
Dibromochloromethane	ND	1.21	0.078	
1,2-Dibromoethane	ND	1.21	0.0614	
Chlorobenzene	ND	1.21	0.0537	
Ethylbenzene	0.0636	1.21	0.0299	J B1
1,1,1,2-Tetrachloroethane	ND	1.21	0.0473	
m,p-Xylene	0.149	2.42	0.102	J B1
o-Xylene	0.0473	1.21	0.0363	J B1
Styrene	0.0996	1.21	0.029	J B1
Bromoform	ND	1.21	0.0748	
Isopropylbenzene	ND	1.21	0.0451	
Bromobenzene	ND	1.21	0.048	
n-Propylbenzene	ND	1.21	0.0567	
1,1,2,2-Tetrachloroethane	ND	1.21	0.068	
1,2,3-Trichloropropane	ND	1.21	0.0807	
2-Chlorotoluene	ND	1.21	0.0523	
1,3,5-Trimethylbenzene	ND	1.21	0.046	
4-Chlorotoluene	ND	1.21	0.1	
t-Butylbenzene	ND	1.21	0.0291	
1,2,4-Trimethylbenzene	ND	1.21	0.051	
sec-Butylbenzene	ND	1.21	0.0471	
1,3-Dichlorobenzene	ND	1.21	0.0417	
4-Isopropyltoluene	ND	1.21	0.0676	
1,4-Dichlorobenzene	ND	1.21	0.0589	
n-Butylbenzene	ND	1.21	0.112	
1,2-Dichlorobenzene	ND	1.21	0.0614	
1,2-Dibromo-3-chloropropane	ND	1.21	0.144	
1,2,4-Trichlorobenzene	ND	1.21	0.117	
1,2,3-Trichlorobenzene	ND	1.21	0.115	
Hexachlorobutadiene	ND	1.21	0.0708	
Naphthalene	ND	1.21	0.498	

STL Seattle

Client Name:	URS Corporation
Client ID:	TRIP BLANK
Lab ID:	125060-09
Date Received:	11/24/2004
Date Prepared:	12/1/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	104		80	120
Fluorobenzene	109		80	120
Toluene-D8	107		80	120
Ethylbenzene-d10	110		80	120
Bromofluorobenzene	97.5		80	120
Trifluorotoluene	90.3		80	120

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Dichlorodifluoromethane	ND	1	0.0575	
Chloromethane	0.285	1	0.11	J B1
Vinyl chloride	ND	1	0.0604	
Bromomethane	ND	1	0.0748	
Chloroethane	ND	1	0.187	
Trichlorofluoromethane	ND	1	0.062	
1,1-Dichloroethene	ND	1	0.0595	
Carbon disulfide	ND	1	0.0494	
Acetone	ND	5	1.2	
Methylene chloride	ND	1	0.0752	
trans-1,2-Dichloroethene	ND	1	0.0584	
1,1-Dichloroethane	ND	1	0.036	
Vinyl acetate	ND	5	0.32	
2,2-Dichloropropane	ND	1	0.0487	
2-Butanone	ND	5	1.71	
cis-1,2-Dichloroethene	ND	1	0.0433	
Bromochloromethane	ND	1	0.0573	
Chloroform	ND	1	0.0717	
1,1,1-Trichloroethane	ND	1	0.0477	
Carbon Tetrachloride	ND	1	0.097	
1,1-Dichloropropene	ND	1	0.0695	
Benzene	ND	1	0.0417	
1,2-Dichloroethane	ND	1	0.0533	
Trichloroethene	ND	1	0.0641	
1,2-Dichloropropane	ND	1	0.038	
Dibromomethane	ND	1	0.0864	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 125060-09 continued...

Analyte	Result (ug/L)	RL	MDL	Flags
Bromodichloromethane	ND	1	0.0785	
cis-1,3-Dichloropropene	ND	1	0.0301	
4-Methyl-2-pentanone	ND	5	0.309	
Toluene	ND	1	0.0588	
trans-1,3-Dichloropropene	ND	1	0.0539	
1,1,2-Trichloroethane	ND	1	0.0627	
Tetrachloroethene	ND	1	0.0578	
1,3-Dichloropropane	ND	1	0.0738	
2-Hexanone	ND	5	0.993	
Dibromochloromethane	ND	1	0.0539	
1,2-Dibromoethane	ND	1	0.0637	
Chlorobenzene	ND	1	0.0376	
Ethylbenzene	ND	1	0.0226	
1,1,1,2-Tetrachloroethane	ND	1	0.0528	
m,p-Xylene	ND	2	0.0718	
o-Xylene	ND	1	0.0265	
Styrene	ND	1	0.0279	
Bromoform	ND	1	0.083	
Isopropylbenzene	ND	1	0.0165	
Bromobenzene	ND	1	0.0475	
n-Propylbenzene	ND	1	0.0356	
1,1,2,2-Tetrachloroethane	ND	1	0.068	
1,2,3-Trichloropropane	ND	1	0.123	
2-Chlorotoluene	ND	1	0.0857	
1,3,5-Trimethylbenzene	ND	1	0.0249	
4-Chlorotoluene	ND	1	0.0491	
t-Butylbenzene	ND	1	0.0535	
1,2,4-Trimethylbenzene	ND	1	0.0283	
sec-Butylbenzene	ND	1	0.0358	
1,3-Dichlorobenzene	ND	1	0.0599	
4-Isopropyltoluene	ND	1	0.0397	
1,4-Dichlorobenzene	ND	1	0.018	
n-Butylbenzene	ND	1	0.0603	
1,2-Dichlorobenzene	ND	1	0.0383	
1,2-Dibromo-3-chloropropane	ND	1	0.222	
1,2,4-Trichlorobenzene	ND	1	0.0513	
1,2,3-Trichlorobenzene	ND	1	0.0605	
Hexachlorobutadiene	ND	1	0.152	
Naphthalene	ND	1	0.0317	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA15ERW
Lab ID:	125060-10
Date Received:	11/24/2004
Date Prepared:	12/1/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	104		80	120
Fluorobenzene	110		80	120
Toluene-D8	107		80	120
Ethylbenzene-d10	114		80	120
Bromofluorobenzene	98.7		80	120
Trifluorotoluene	89.3		80	120

Analyte	Result (ug/L)	RL	MDL	Flags
Dichlorodifluoromethane	ND	1	0.0575	
Chloromethane	0.127	1	0.11	J B1
Vinyl chloride	ND	1	0.0604	
Bromomethane	ND	1	0.0748	
Chloroethane	ND	1	0.187	
Trichlorofluoromethane	ND	1	0.062	
1,1-Dichloroethene	ND	1	0.0595	
Carbon disulfide	ND	1	0.0494	
Acetone	ND	5	1.2	
Methylene chloride	1.57	1	0.0752	
trans-1,2-Dichloroethene	ND	1	0.0584	
1,1-Dichloroethane	ND	1	0.036	
Vinyl acetate	ND	5	0.32	
2,2-Dichloropropane	ND	1	0.0487	
2-Butanone	ND	5	1.71	
cis-1,2-Dichloroethene	ND	1	0.0433	
Bromochloromethane	ND	1	0.0573	
Chloroform	ND	1	0.0717	
1,1,1-Trichloroethane	ND	1	0.0477	
Carbon Tetrachloride	ND	1	0.097	
1,1-Dichloropropene	ND	1	0.0695	
Benzene	ND	1	0.0417	
1,2-Dichloroethane	ND	1	0.0533	
Trichloroethene	ND	1	0.0641	
1,2-Dichloropropane	ND	1	0.038	
Dibromomethane	ND	1	0.0864	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 125060-10 continued...

Analyte		Result (ug/L)	RL	MDL	Flags
Bromodichloromethane	ND		1	0.0785	
cis-1,3-Dichloropropene	ND		1	0.0301	
4-Methyl-2-pentanone	ND		5	0.309	
Toluene		0.0609	1	0.0588	J
trans-1,3-Dichloropropene	ND		1	0.0539	
1,1,2-Trichloroethane	ND		1	0.0627	
Tetrachloroethene	ND		1	0.0578	
1,3-Dichloropropane	ND		1	0.0738	
2-Hexanone	ND		5	0.993	
Dibromochloromethane	ND		1	0.0539	
1,2-Dibromoethane	ND		1	0.0637	
Chlorobenzene	ND		1	0.0376	
Ethylbenzene	ND		1	0.0226	
1,1,1,2-Tetrachloroethane	ND		1	0.0528	
m,p-Xylene	ND		2	0.0718	
o-Xylene	ND		1	0.0265	
Styrene	ND		1	0.0279	
Bromoform	ND		1	0.083	
Isopropylbenzene	ND		1	0.0165	
Bromobenzene	ND		1	0.0475	
n-Propylbenzene	ND		1	0.0356	
1,1,2,2-Tetrachloroethane	ND		1	0.068	
1,2,3-Trichloropropane	ND		1	0.123	
2-Chlorotoluene	ND		1	0.0857	
1,3,5-Trimethylbenzene	ND		1	0.0249	
4-Chlorotoluene	ND		1	0.0491	
t-Butylbenzene	ND		1	0.0535	
1,2,4-Trimethylbenzene	ND		1	0.0283	
sec-Butylbenzene	ND		1	0.0358	
1,3-Dichlorobenzene	ND		1	0.0599	
4-Isopropyltoluene	ND		1	0.0397	
1,4-Dichlorobenzene	ND		1	0.018	
n-Butylbenzene	ND		1	0.0603	
1,2-Dichlorobenzene	ND		1	0.0383	
1,2-Dibromo-3-chloropropane	ND		1	0.222	
1,2,4-Trichlorobenzene	ND		1	0.0513	
1,2,3-Trichlorobenzene	ND		1	0.0605	
Hexachlorobutadiene	ND		1	0.152	
Naphthalene	ND		1	0.0317	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA16ERW
Lab ID:	125060-11
Date Received:	11/24/2004
Date Prepared:	12/1/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	106		80	120
Fluorobenzene	110		80	120
Toluene-D8	107		80	120
Ethylbenzene-d10	115		80	120
Bromofluorobenzene	101		80	120
Trifluorotoluene	87.7		80	120

Analyte	Result (ug/L)	RL	MDL	Flags
Dichlorodifluoromethane	ND	1	0.0575	
Chloromethane	0.182	1	0.11	J B1
Vinyl chloride	ND	1	0.0604	
Bromomethane	ND	1	0.0748	
Chloroethane	ND	1	0.187	
Trichlorofluoromethane	ND	1	0.062	
1,1-Dichloroethene	ND	1	0.0595	
Carbon disulfide	ND	1	0.0494	
Acetone	ND	5	1.2	
Methylene chloride	1.76	1	0.0752	
trans-1,2-Dichloroethene	ND	1	0.0584	
1,1-Dichloroethane	ND	1	0.036	
Vinyl acetate	ND	5	0.32	
2,2-Dichloropropane	ND	1	0.0487	
2-Butanone	ND	5	1.71	
cis-1,2-Dichloroethene	ND	1	0.0433	
Bromochloromethane	ND	1	0.0573	
Chloroform	ND	1	0.0717	
1,1,1-Trichloroethane	ND	1	0.0477	
Carbon Tetrachloride	ND	1	0.097	
1,1-Dichloropropene	ND	1	0.0695	
Benzene	ND	1	0.0417	
1,2-Dichloroethane	ND	1	0.0533	
Trichloroethene	ND	1	0.0641	
1,2-Dichloropropane	ND	1	0.038	
Dibromomethane	ND	1	0.0864	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 125060-11 continued...

Analyte	Result (ug/L)	RL	MDL	Flags
Bromodichloromethane	ND	1	0.0785	
cis-1,3-Dichloropropene	ND	1	0.0301	
4-Methyl-2-pentanone	ND	5	0.309	
Toluene	ND	1	0.0588	
trans-1,3-Dichloropropene	ND	1	0.0539	
1,1,2-Trichloroethane	ND	1	0.0627	
Tetrachloroethene	ND	1	0.0578	
1,3-Dichloropropane	ND	1	0.0738	
2-Hexanone	ND	5	0.993	
Dibromochloromethane	ND	1	0.0539	
1,2-Dibromoethane	ND	1	0.0637	
Chlorobenzene	ND	1	0.0376	
Ethylbenzene	ND	1	0.0226	
1,1,1,2-Tetrachloroethane	ND	1	0.0528	
m,p-Xylene	ND	2	0.0718	
o-Xylene	ND	1	0.0265	
Styrene	ND	1	0.0279	
Bromoform	ND	1	0.083	
Isopropylbenzene	ND	1	0.0165	
Bromobenzene	ND	1	0.0475	
n-Propylbenzene	ND	1	0.0356	
1,1,2,2-Tetrachloroethane	ND	1	0.068	
1,2,3-Trichloropropane	ND	1	0.123	
2-Chlorotoluene	ND	1	0.0857	
1,3,5-Trimethylbenzene	ND	1	0.0249	
4-Chlorotoluene	ND	1	0.0491	
t-Butylbenzene	ND	1	0.0535	
1,2,4-Trimethylbenzene	ND	1	0.0283	
sec-Butylbenzene	ND	1	0.0358	
1,3-Dichlorobenzene	ND	1	0.0599	
4-Isopropyltoluene	ND	1	0.0397	
1,4-Dichlorobenzene	ND	1	0.018	
n-Butylbenzene	ND	1	0.0603	
1,2-Dichlorobenzene	ND	1	0.0383	
1,2-Dibromo-3-chloropropane	ND	1	0.222	
1,2,4-Trichlorobenzene	ND	1	0.0513	
1,2,3-Trichlorobenzene	ND	1	0.0605	
Hexachlorobutadiene	ND	1	0.152	
Naphthalene	ND	1	0.0317	

STL Seattle

Client Name:	URS Corporation
Client ID:	TRIP BLANK
Lab ID:	125060-12
Date Received:	11/24/2004
Date Prepared:	12/1/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	104		80	120
Fluorobenzene	109		80	120
Toluene-D8	105		80	120
Ethylbenzene-d10	111		80	120
Bromofluorobenzene	96.5		80	120
Trifluorotoluene	104		80	120

Analyte	Result (ug/L)	RL	MDL	Flags
Dichlorodifluoromethane	ND	1	0.0575	
Chloromethane	0.197	1	0.11	J B1
Vinyl chloride	ND	1	0.0604	
Bromomethane	ND	1	0.0748	
Chloroethane	ND	1	0.187	
Trichlorofluoromethane	ND	1	0.062	
1,1-Dichloroethene	ND	1	0.0595	
Carbon disulfide	ND	1	0.0494	
Acetone	ND	5	1.2	
Methylene chloride	ND	1	0.0752	
trans-1,2-Dichloroethene	ND	1	0.0584	
1,1-Dichloroethane	ND	1	0.036	
Vinyl acetate	ND	5	0.32	
2,2-Dichloropropane	ND	1	0.0487	
2-Butanone	ND	5	1.71	
cis-1,2-Dichloroethene	ND	1	0.0433	
Bromochloromethane	ND	1	0.0573	
Chloroform	ND	1	0.0717	
1,1,1-Trichloroethane	ND	1	0.0477	
Carbon Tetrachloride	ND	1	0.097	
1,1-Dichloropropene	ND	1	0.0695	
Benzene	ND	1	0.0417	
1,2-Dichloroethane	ND	1	0.0533	
Trichloroethene	ND	1	0.0641	
1,2-Dichloropropane	ND	1	0.038	
Dibromomethane	ND	1	0.0864	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for 125060-12 continued...

Analyte	Result (ug/L)	RL	MDL	Flags
Bromodichloromethane	ND	1	0.0785	
cis-1,3-Dichloropropene	ND	1	0.0301	
4-Methyl-2-pentanone	ND	5	0.309	
Toluene	ND	1	0.0588	
trans-1,3-Dichloropropene	ND	1	0.0539	
1,1,2-Trichloroethane	ND	1	0.0627	
Tetrachloroethene	ND	1	0.0578	
1,3-Dichloropropane	ND	1	0.0738	
2-Hexanone	ND	5	0.993	
Dibromochloromethane	ND	1	0.0539	
1,2-Dibromoethane	ND	1	0.0637	
Chlorobenzene	ND	1	0.0376	
Ethylbenzene	ND	1	0.0226	
1,1,1,2-Tetrachloroethane	ND	1	0.0528	
m,p-Xylene	ND	2	0.0718	
o-Xylene	ND	1	0.0265	
Styrene	ND	1	0.0279	
Bromoform	ND	1	0.083	
Isopropylbenzene	ND	1	0.0165	
Bromobenzene	ND	1	0.0475	
n-Propylbenzene	ND	1	0.0356	
1,1,2,2-Tetrachloroethane	ND	1	0.068	
1,2,3-Trichloropropane	ND	1	0.123	
2-Chlorotoluene	ND	1	0.0857	
1,3,5-Trimethylbenzene	ND	1	0.0249	
4-Chlorotoluene	ND	1	0.0491	
t-Butylbenzene	ND	1	0.0535	
1,2,4-Trimethylbenzene	ND	1	0.0283	
sec-Butylbenzene	ND	1	0.0358	
1,3-Dichlorobenzene	ND	1	0.0599	
4-Isopropyltoluene	ND	1	0.0397	
1,4-Dichlorobenzene	ND	1	0.018	
n-Butylbenzene	ND	1	0.0603	
1,2-Dichlorobenzene	ND	1	0.0383	
1,2-Dibromo-3-chloropropane	ND	1	0.222	
1,2,4-Trichlorobenzene	ND	1	0.0513	
1,2,3-Trichlorobenzene	ND	1	0.0605	
Hexachlorobutadiene	ND	1	0.152	
Naphthalene	ND	1	0.0317	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA13BDW
Lab ID:	125060-01
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	28.4		2	120
Phenol - d5	16.2		1	102
Nitrobenzene - d5	117		34	146
2 - Fluorobiphenyl	102		35	143
2,4,6 - Tribromophenol	92.1		29	151
p - Terphenyl - d14	125		35	166

Analyte	Result (ug/L)	RL	MDL	Flags
Phenol	ND	0.189	0.00435	
bis(2-Chloroethyl)ether	ND	0.189	0.0306	
2-Chlorophenol	ND	0.189	0.0398	
1,3-Dichlorobenzene	ND	0.189	0.0347	
1,4-Dichlorobenzene	ND	0.189	0.0299	
Benzyl Alcohol	0.0478	0.189	0.0402	J
1,2-Dichlorobenzene	ND	0.189	0.0263	
2-Methylphenol	ND	0.189	0.037	
bis(2-Chloroisopropyl)ether	ND	0.189	0.0405	
3-&4-Methylphenol	ND	0.378	0.0417	
N-nitroso-di-n-propylamine	ND	0.189	0.0349	
Hexachloroethane	ND	0.189	0.036	
Nitrobenzene	ND	0.189	0.0491	
Isophorone	ND	0.189	0.0267	
2-Nitrophenol	ND	0.189	0.0405	
2,4-Dimethylphenol	ND	0.945	0.173	
Benzoic Acid	ND	0.945	0.127	
bis(2-Chloroethoxy)methane	ND	0.189	0.0171	
2,4-Dichlorophenol	ND	0.189	0.0176	
1,2,4-Trichlorobenzene	ND	0.189	0.0116	
Naphthalene	ND	0.0473	0.0164	
4-Chloroaniline	ND	0.284	0.0683	
Hexachlorobutadiene	ND	0.189	0.0139	
4-Chloro-3-methylphenol	ND	0.189	0.0231	
2-Methylnaphthalene	ND	0.0473	0.0141	
Hexachlorocyclopentadiene	ND	0.945	0.293	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 125060-01 continued...

Analyte		Result (ug/L)	RL	MDL	
2,4,6-Trichlorophenol	ND		0.189	0.0303	
2,4,5-Trichlorophenol	ND		0.189	0.0419	
2-Chloronaphthalene	ND		0.0189	0.00454	
2-Nitroaniline	ND		0.189	0.0283	
Dimethylphthalate	ND		0.189	0.0369	
Acenaphthylene	ND		0.0189	0.00227	
2,6-Dinitrotoluene	ND		0.189	0.0359	
3-Nitroaniline	ND		0.189	0.0534	
Acenaphthene	ND		0.0189	0.00321	
2,4-Dinitrophenol	ND		0.945	0.196	
4-Nitrophenol	ND		0.945	0.112	
Dibenzofuran	ND		0.189	0.0194	
2,4-Dinitrotoluene	ND		0.189	0.0543	
Diethylphthalate	ND		0.189	0.0526	
4-Chlorophenylphenylether	ND		0.189	0.0304	
Fluorene	ND		0.0189	0.00161	
4-Nitroaniline	ND		0.189	0.0367	
4,6-Dinitro-2-methylphenol	ND		0.945	0.293	
N-Nitrosodiphenylamine	ND		0.189	0.00803	
4-Bromophenylphenylether	ND		0.189	0.0207	
Hexachlorobenzene	ND		0.189	0.0236	
Pentachlorophenol	ND		0.189	0.189	
Phenanthrene	ND		0.0189	0.0035	
Anthracene	ND		0.0189	0.0018	
Di-n-butylphthalate		0.391	0.189	0.0352	B1
Fluoranthene	ND		0.0189	0.00539	
Pyrene	ND		0.0189	0.00274	
Butylbenzylphthalate		0.119	0.284	0.0922	J
3,3'-Dichlorobenzidine	ND		0.945	0.177	
Benzo(a)anthracene	ND		0.0189	0.00491	
Chrysene	ND		0.0189	0.00794	
bis(2-Ethylhexyl)phthalate	ND		1.42	0.36	
Di-n-octylphthalate	ND		0.189	0.0258	
Benzofluoranthenes	ND		0.0945	0.0112	
Benzo(a)pyrene	ND		0.0189	0.00312	
Indeno(1,2,3-cd)pyrene	ND		0.0189	0.00265	
Dibenz(a,h)anthracene	ND		0.0189	0.00293	
Benzo(g,h,i)perylene	ND		0.0189	0.00482	
Carbazole	ND		0.189	0.0205	
N-nitrosodimethylamine	ND		0.945	0.945	
Benzidine	ND		0.945	0.945	
Aniline	ND		0.284	0.284	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA14BDW
Lab ID:	125060-02
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	43.7		2	120
Phenol - d5	25.7		1	102
Nitrobenzene - d5	87.7		34	146
2 - Fluorobiphenyl	92.7		35	143
2,4,6 - Tribromophenol	120		29	151
p - Terphenyl - d14	120		35	166

Analyte	Result (ug/L)	RL	MDL	Flags
Phenol	ND	0.225	0.00517	
bis(2-Chloroethyl)ether	ND	0.225	0.0364	
2-Chlorophenol	ND	0.225	0.0474	
1,3-Dichlorobenzene	ND	0.225	0.0413	
1,4-Dichlorobenzene	ND	0.225	0.0355	
Benzyl Alcohol	0.107	0.225	0.0478	J
1,2-Dichlorobenzene	ND	0.225	0.0313	
2-Methylphenol	ND	0.225	0.044	
bis(2-Chloroisopropyl)ether	ND	0.225	0.0483	
3-&4-Methylphenol	ND	0.45	0.0496	
N-nitroso-di-n-propylamine	ND	0.225	0.0415	
Hexachloroethane	ND	0.225	0.0429	
Nitrobenzene	ND	0.225	0.0585	
Isophorone	ND	0.225	0.0318	
2-Nitrophenol	ND	0.225	0.0481	
2,4-Dimethylphenol	ND	1.12	0.206	
Benzoic Acid	ND	1.12	0.151	
bis(2-Chloroethoxy)methane	ND	0.225	0.0204	
2,4-Dichlorophenol	ND	0.225	0.0209	
1,2,4-Trichlorobenzene	ND	0.225	0.0138	
Naphthalene	ND	0.0562	0.0196	
4-Chloroaniline	ND	0.337	0.0813	
Hexachlorobutadiene	ND	0.225	0.0165	
4-Chloro-3-methylphenol	ND	0.225	0.0274	
2-Methylnaphthalene	ND	0.0562	0.0168	
Hexachlorocyclopentadiene	ND	1.12	0.349	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 125060-02 continued...

Analyte		Result (ug/L)	RL	MDL	
2,4,6-Trichlorophenol	ND		0.225	0.0361	
2,4,5-Trichlorophenol	ND		0.225	0.0498	
2-Chloronaphthalene	ND		0.0225	0.0054	
2-Nitroaniline	ND		0.225	0.0336	
Dimethylphthalate	ND		0.225	0.0439	
Acenaphthylene	ND		0.0225	0.0027	
2,6-Dinitrotoluene	ND		0.225	0.0427	
3-Nitroaniline	ND		0.225	0.0636	
Acenaphthene	ND		0.0225	0.00382	
2,4-Dinitrophenol	ND		1.12	0.233	
4-Nitrophenol	ND		1.12	0.133	
Dibenzofuran	ND		0.225	0.0231	
2,4-Dinitrotoluene	ND		0.225	0.0646	
Diethylphthalate	ND		0.225	0.0627	
4-Chlorophenylphenylether	ND		0.225	0.0362	
Fluorene	ND		0.0225	0.00191	
4-Nitroaniline	ND		0.225	0.0436	
4,6-Dinitro-2-methylphenol	ND		1.12	0.349	
N-Nitrosodiphenylamine	ND		0.225	0.00956	
4-Bromophenylphenylether	ND		0.225	0.0246	
Hexachlorobenzene	ND		0.225	0.0281	
Pentachlorophenol	ND		0.225	0.225	
Phenanthrene	ND		0.0225	0.00416	
Anthracene	ND		0.0225	0.00214	
Di-n-butylphthalate		0.639	0.225	0.0418	B1
Fluoranthene	ND		0.0225	0.00641	
Pyrene	ND		0.0225	0.00326	
Butylbenzylphthalate		0.2	0.337	0.11	J
3,3'-Dichlorobenzidine	ND		1.12	0.211	
Benzo(a)anthracene	ND		0.0225	0.00585	
Chrysene	ND		0.0225	0.00945	
bis(2-Ethylhexyl)phthalate	ND		1.69	0.429	
Di-n-octylphthalate		0.0478	0.225	0.0307	J
Benzofluoranthenes	ND		0.112	0.0134	
Benzo(a)pyrene	ND		0.0225	0.00371	
Indeno(1,2,3-cd)pyrene	ND		0.0225	0.00315	
Dibenz(a,h)anthracene	ND		0.0225	0.00349	
Benzo(g,h,i)perylene	ND		0.0225	0.00574	
Carbazole	ND		0.225	0.0244	
N-nitrosodimethylamine	ND		1.12	1.12	
Benzidine	ND		1.12	1.12	
Aniline	ND		0.337	0.337	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA28SS
Lab ID:	125060-03
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	11/30/2004
% Solids	87.46
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	99.6		36	145
Phenol - d5	153	X9	38	149
Nitrobenzene - d5	82.7		38	141
2 - Fluorobiphenyl	77.7		42	140
2,4,6 - Tribromophenol	92		28	143
p - Terphenyl - d14	85.4		42	151

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	ND	5.53	0.799	
bis(2-Chloroethyl)ether	ND	11.1	1.74	
2-Chlorophenol	ND	5.53	0.744	
1,3-Dichlorobenzene	ND	5.53	0.942	
1,4-Dichlorobenzene	ND	5.53	0.93	
Benzyl Alcohol	7.81	5.53	2.2	
1,2-Dichlorobenzene	ND	5.53	0.751	
2-Methylphenol	ND	5.53	1.04	
bis(2-Chloroisopropyl)ether	ND	27.6	8.83	
3-&4-Methylphenol	2.46	5.53	1.3	J
N-nitroso-di-n-propylamine	ND	5.53	1.48	
Hexachloroethane	ND	5.53	1.87	
Nitrobenzene	ND	11.1	3.33	
Isophorone	ND	11.1	0.557	
2-Nitrophenol	ND	5.53	1.26	
2,4-Dimethylphenol	ND	2.21	0.846	
Benzoic Acid	ND	66.3	17.7	
bis(2-Chloroethoxy)methane	ND	11.1	2.12	
2,4-Dichlorophenol	ND	5.53	0.981	
1,2,4-Trichlorobenzene	ND	5.53	0.939	
Naphthalene	2.56	2.21	0.98	
4-Chloroaniline	ND	11.1	1.03	
Hexachlorobutadiene	ND	5.53	0.808	
4-Chloro-3-methylphenol	ND	5.53	0.987	
2-Methylnaphthalene	1.29	2.21	0.575	J
Hexachlorocyclopentadiene	ND	5.53	0.877	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 125060-03 continued...

Analyte		Result (ug/kg)	RL	MDL	
2,4,6-Trichlorophenol	ND		5.53	0.875	
2,4,5-Trichlorophenol	ND		5.53	0.858	
2-Chloronaphthalene	ND		2.21	0.746	
2-Nitroaniline	ND		2.21	0.6	
Dimethylphthalate	ND		11.1	2.17	
Acenaphthylene		1.39	2.21	0.651	J
2,6-Dinitrotoluene	ND		5.53	1.18	
3-Nitroaniline	ND		11.1	3.24	
Acenaphthene		5.41	2.21	0.567	
2,4-Dinitrophenol	ND		55.3	7.73	
4-Nitrophenol	ND		55.3	9.05	
Dibenzofuran		0.996	5.53	0.511	J
2,4-Dinitrotoluene	ND		11.1	1.88	
Diethylphthalate	ND		11.1	3.99	
4-Chlorophenylphenylether	ND		11.1	2.38	
Fluorene	ND		2.21	0.714	
4-Nitroaniline	ND		22.1	4.53	
4,6-Dinitro-2-methylphenol	ND		11.1	1.99	
N-Nitrosodiphenylamine	ND		2.21	0.632	
4-Bromophenylphenylether	ND		11.1	2.03	
Hexachlorobenzene	ND		2.21	0.585	
Pentachlorophenol	ND		11.1	2.14	
Phenanthrene		38.2	2.21	0.657	
Anthracene		5.03	2.21	0.42	
Di-n-butylphthalate		7.9	11.1	2.01	J B1
Fluoranthene		71.9	2.21	1.12	
Pyrene		79.3	2.21	0.376	
Butylbenzylphthalate	ND		22.1	2.37	
3,3'-Dichlorobenzidine	ND		22.1	4.8	
Benzo(a)anthracene		62.3	2.21	1.12	
Chrysene		75.3	2.21	0.79	
bis(2-Ethylhexyl)phthalate		220	22.1	2.02	
Di-n-octylphthalate		16.1	22.1	2.03	J
Benzofluoranthenes		135	4.42	1	
Benzo(a)pyrene		74.1	2.21	0.7	
Indeno(1,2,3-cd)pyrene		49.8	2.21	0.504	
Dibenz(a,h)anthracene		16.5	2.21	0.687	
Benzo(g,h,i)perylene		66.4	2.21	0.532	
Carbazole		4.56	11.1	2.2	J
N-nitrosodimethylamine	ND		11.1	3.37	
Benzidine	ND		11.1	3.12	
Aniline	ND		11.1	2.03	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA29SS
Lab ID:	125060-04
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	11/30/2004
% Solids	93.13
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	87.2		36	145
Phenol - d5	105		38	149
Nitrobenzene - d5	101		38	141
2 - Fluorobiphenyl	92.8		42	140
2,4,6 - Tribromophenol	101		28	143
p - Terphenyl - d14	94.3		42	151

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	ND	5.18	0.749	
bis(2-Chloroethyl)ether	ND	10.4	1.63	
2-Chlorophenol	ND	5.18	0.697	
1,3-Dichlorobenzene	ND	5.18	0.883	
1,4-Dichlorobenzene	ND	5.18	0.871	
Benzyl Alcohol	ND	5.18	2.06	
1,2-Dichlorobenzene	ND	5.18	0.703	
2-Methylphenol	ND	5.18	0.978	
bis(2-Chloroisopropyl)ether	ND	25.9	8.28	
3-&4-Methylphenol	ND	5.18	1.22	
N-nitroso-di-n-propylamine	ND	5.18	1.39	
Hexachloroethane	ND	5.18	1.75	
Nitrobenzene	ND	10.4	3.12	
Isophorone	ND	10.4	0.522	
2-Nitrophenol	ND	5.18	1.18	
2,4-Dimethylphenol	ND	2.07	0.793	
Benzoic Acid	ND	62.2	16.6	
bis(2-Chloroethoxy)methane	ND	10.4	1.99	
2,4-Dichlorophenol	ND	5.18	0.919	
1,2,4-Trichlorobenzene	ND	5.18	0.88	
Naphthalene	ND	2.07	0.918	
4-Chloroaniline	ND	10.4	0.963	
Hexachlorobutadiene	ND	5.18	0.757	
4-Chloro-3-methylphenol	ND	5.18	0.925	
2-Methylnaphthalene	ND	2.07	0.539	
Hexachlorocyclopentadiene	ND	5.18	0.822	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 125060-04 continued...

Analyte	Result (ug/kg)	RL	MDL
2,4,6-Trichlorophenol	ND	5.18	0.819
2,4,5-Trichlorophenol	ND	5.18	0.804
2-Chloronaphthalene	ND	2.07	0.699
2-Nitroaniline	ND	2.07	0.563
Dimethylphthalate	ND	10.4	2.03
Acenaphthylene	ND	2.07	0.61
2,6-Dinitrotoluene	ND	5.18	1.11
3-Nitroaniline	ND	10.4	3.04
Acenaphthene	ND	2.07	0.531
2,4-Dinitrophenol	ND	51.8	7.24
4-Nitrophenol	ND	51.8	8.48
Dibenzofuran	ND	5.18	0.479
2,4-Dinitrotoluene	ND	10.4	1.76
Diethylphthalate	ND	10.4	3.74
4-Chlorophenylphenylether	ND	10.4	2.23
Fluorene	ND	2.07	0.669
4-Nitroaniline	ND	20.7	4.25
4,6-Dinitro-2-methylphenol	ND	10.4	1.86
N-Nitrosodiphenylamine	ND	2.07	0.593
4-Bromophenylphenylether	ND	10.4	1.91
Hexachlorobenzene	ND	2.07	0.548
Pentachlorophenol	ND	10.4	2.01
Phenanthrene	7.86	2.07	0.615
Anthracene	ND	2.07	0.394
Di-n-butylphthalate	ND	10.4	1.89
Fluoranthene	ND	2.07	1.05
Pyrene	ND	2.07	0.352
Butylbenzylphthalate	ND	20.7	2.22
3,3'-Dichlorobenzidine	ND	20.7	4.5
Benzo(a)anthracene	ND	2.07	1.05
Chrysene	ND	2.07	0.741
bis(2-Ethylhexyl)phthalate	ND	20.7	1.9
Di-n-octylphthalate	ND	20.7	1.91
Benzofluoranthenes	ND	4.14	0.939
Benzo(a)pyrene	ND	2.07	0.656
Indeno(1,2,3-cd)pyrene	ND	2.07	0.472
Dibenz(a,h)anthracene	ND	2.07	0.643
Benzo(g,h,i)perylene	ND	2.07	0.498
Carbazole	ND	10.4	2.06
N-nitrosodimethylamine	ND	10.4	3.16
Benzidine	ND	10.4	2.92
Aniline	ND	10.4	1.91

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA30SS
Lab ID:	125060-05
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	11/30/2004
% Solids	79.63
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	95.5		36	145
Phenol - d5	131		38	149
Nitrobenzene - d5	113		38	141
2 - Fluorobiphenyl	105		42	140
2,4,6 - Tribromophenol	104		28	143
p - Terphenyl - d14	101		42	151

Sample results are on a dry weight basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Phenol	ND		6.16	0.891	
bis(2-Chloroethyl)ether	ND		12.3	1.93	
2-Chlorophenol	ND		6.16	0.829	
1,3-Dichlorobenzene	ND		6.16	1.05	
1,4-Dichlorobenzene	ND		6.16	1.04	
Benzyl Alcohol	ND		6.16	2.45	
1,2-Dichlorobenzene	ND		6.16	0.837	
2-Methylphenol	ND		6.16	1.16	
bis(2-Chloroisopropyl)ether	ND		30.8	9.85	
3-&4-Methylphenol	ND		6.16	1.45	
N-nitroso-di-n-propylamine	ND		6.16	1.65	
Hexachloroethane	ND		6.16	2.08	
Nitrobenzene	ND		12.3	3.71	
Isophorone	ND		12.3	0.621	
2-Nitrophenol	ND		6.16	1.4	
2,4-Dimethylphenol	ND		2.46	0.943	
Benzoic Acid		27.3	73.9	19.7	J
bis(2-Chloroethoxy)methane	ND		12.3	2.37	
2,4-Dichlorophenol	ND		6.16	1.09	
1,2,4-Trichlorobenzene	ND		6.16	1.05	
Naphthalene		2.5	2.46	1.09	
4-Chloroaniline	ND		12.3	1.15	
Hexachlorobutadiene	ND		6.16	0.901	
4-Chloro-3-methylphenol	ND		6.16	1.1	
2-Methylnaphthalene	ND		2.46	0.641	
Hexachlorocyclopentadiene	ND		6.16	0.977	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 125060-05 continued...

Analyte		Result (ug/kg)	RL	MDL	
2,4,6-Trichlorophenol	ND		6.16	0.975	
2,4,5-Trichlorophenol	ND		6.16	0.956	
2-Chloronaphthalene	ND		2.46	0.832	
2-Nitroaniline	ND		2.46	0.669	
Dimethylphthalate	ND		12.3	2.42	
Acenaphthylene	ND		2.46	0.726	
2,6-Dinitrotoluene	ND		6.16	1.32	
3-Nitroaniline	ND		12.3	3.61	
Acenaphthene		5.88	2.46	0.632	
2,4-Dinitrophenol	ND		61.6	8.61	
4-Nitrophenol	ND		61.6	10.1	
Dibenzofuran	ND		6.16	0.569	
2,4-Dinitrotoluene	ND		12.3	2.09	
Diethylphthalate	ND		12.3	4.45	
4-Chlorophenylphenylether	ND		12.3	2.65	
Fluorene		7.13	2.46	0.796	
4-Nitroaniline	ND		24.6	5.05	
4,6-Dinitro-2-methylphenol	ND		12.3	2.22	
N-Nitrosodiphenylamine	ND		2.46	0.705	
4-Bromophenylphenylether	ND		12.3	2.27	
Hexachlorobenzene	ND		2.46	0.652	
Pentachlorophenol	ND		12.3	2.39	
Phenanthrene		24.8	2.46	0.732	
Anthracene		8.55	2.46	0.468	
Di-n-butylphthalate		10.8	12.3	2.24	J B1
Fluoranthene		52.7	2.46	1.24	
Pyrene		51.6	2.46	0.419	
Butylbenzylphthalate	ND		24.6	2.64	
3,3'-Dichlorobenzidine	ND		24.6	5.35	
Benzo(a)anthracene		48.3	2.46	1.24	
Chrysene		85.8	2.46	0.881	
bis(2-Ethylhexyl)phthalate		332	24.6	2.26	
Di-n-octylphthalate		61.6	24.6	2.27	
Benzofluoranthenes		73.4	4.93	1.12	
Benzo(a)pyrene		40.4	2.46	0.78	
Indeno(1,2,3-cd)pyrene		26.5	2.46	0.562	
Dibenz(a,h)anthracene		1.23	2.46	0.765	J
Benzo(g,h,i)perylene		29.8	2.46	0.593	
Carbazole		9.49	12.3	2.45	J
N-nitrosodimethylamine	ND		12.3	3.76	
Benzidine	ND		12.3	3.48	
Aniline	ND		12.3	2.27	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA31SS
Lab ID:	125060-06
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	11/30/2004
% Solids	77.35
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	76.5		36	145
Phenol - d5	97.3		38	149
Nitrobenzene - d5	74.5		38	141
2 - Fluorobiphenyl	68.2		42	140
2,4,6 - Tribromophenol	93.8		28	143
p - Terphenyl - d14	85.5		42	151

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	ND	6.31	0.913	
bis(2-Chloroethyl)ether	ND	12.6	1.98	
2-Chlorophenol	ND	6.31	0.85	
1,3-Dichlorobenzene	ND	6.31	1.08	
1,4-Dichlorobenzene	ND	6.31	1.06	
Benzyl Alcohol	ND	6.31	2.51	
1,2-Dichlorobenzene	ND	6.31	0.857	
2-Methylphenol	ND	6.31	1.19	
bis(2-Chloroisopropyl)ether	ND	31.6	10.1	
3-&4-Methylphenol	ND	6.31	1.49	
N-nitroso-di-n-propylamine	ND	6.31	1.69	
Hexachloroethane	ND	6.31	2.13	
Nitrobenzene	ND	12.6	3.8	
Isophorone	ND	12.6	0.636	
2-Nitrophenol	ND	6.31	1.44	
2,4-Dimethylphenol	ND	2.52	0.966	
Benzoic Acid	ND	75.7	20.2	
bis(2-Chloroethoxy)methane	ND	12.6	2.42	
2,4-Dichlorophenol	ND	6.31	1.12	
1,2,4-Trichlorobenzene	ND	6.31	1.07	
Naphthalene	ND	2.52	1.12	
4-Chloroaniline	ND	12.6	1.17	
Hexachlorobutadiene	ND	6.31	0.923	
4-Chloro-3-methylphenol	ND	6.31	1.13	
2-Methylnaphthalene	ND	2.52	0.656	
Hexachlorocyclopentadiene	ND	6.31	1	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 125060-06 continued...

Analyte		Result (ug/kg)	RL	MDL	
2,4,6-Trichlorophenol	ND		6.31	0.999	
2,4,5-Trichlorophenol	ND		6.31	0.98	
2-Chloronaphthalene	ND		2.52	0.852	
2-Nitroaniline	ND		2.52	0.685	
Dimethylphthalate	ND		12.6	2.47	
Acenaphthylene	ND		2.52	0.744	
2,6-Dinitrotoluene	ND		6.31	1.35	
3-Nitroaniline	ND		12.6	3.7	
Acenaphthene	ND		2.52	0.648	
2,4-Dinitrophenol	ND		63.1	8.82	
4-Nitrophenol	ND		63.1	10.3	
Dibenzofuran	ND		6.31	0.583	
2,4-Dinitrotoluene	ND		12.6	2.15	
Diethylphthalate	ND		12.6	4.56	
4-Chlorophenylphenylether	ND		12.6	2.71	
Fluorene	ND		2.52	0.816	
4-Nitroaniline	ND		25.2	5.18	
4,6-Dinitro-2-methylphenol	ND		12.6	2.27	
N-Nitrosodiphenylamine	ND		2.52	0.722	
4-Bromophenylphenylether	ND		12.6	2.32	
Hexachlorobenzene	ND		2.52	0.668	
Pentachlorophenol	ND		12.6	2.45	
Phenanthrene	ND		2.52	0.75	
Anthracene	ND		2.52	0.48	
Di-n-butylphthalate		13.1	12.6	2.3	B1
Fluoranthene	ND		2.52	1.28	
Pyrene	ND		2.52	0.429	
Butylbenzylphthalate	ND		25.2	2.7	
3,3'-Dichlorobenzidine	ND		25.2	5.48	
Benzo(a)anthracene	ND		2.52	1.28	
Chrysene	ND		2.52	0.903	
bis(2-Ethylhexyl)phthalate	ND		25.2	2.31	
Di-n-octylphthalate	ND		25.2	2.32	
Benzofluoranthenes	ND		5.05	1.14	
Benzo(a)pyrene	ND		2.52	0.799	
Indeno(1,2,3-cd)pyrene	ND		2.52	0.576	
Dibenz(a,h)anthracene	ND		2.52	0.784	
Benzo(g,h,i)perylene	ND		2.52	0.607	
Carbazole	ND		12.6	2.51	
N-nitrosodimethylamine	ND		12.6	3.85	
Benzidine	ND		12.6	3.56	
Aniline	ND		12.6	2.32	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA33SS
Lab ID:	125060-08
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	11/30/2004
% Solids	81.23
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	119		36	145
Phenol - d5	168	X9	38	149
Nitrobenzene - d5	95.1		38	141
2 - Fluorobiphenyl	99.7		42	140
2,4,6 - Tribromophenol	119		28	143
p - Terphenyl - d14	138		42	151

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	ND	5.95	0.86	
bis(2-Chloroethyl)ether	ND	11.9	1.87	
2-Chlorophenol	ND	5.95	0.801	
1,3-Dichlorobenzene	ND	5.95	1.01	
1,4-Dichlorobenzene	ND	5.95	1	
Benzyl Alcohol	ND	5.95	2.37	
1,2-Dichlorobenzene	ND	5.95	0.808	
2-Methylphenol	ND	5.95	1.12	
bis(2-Chloroisopropyl)ether	ND	29.7	9.5	
3-&4-Methylphenol	ND	5.95	1.4	
N-nitroso-di-n-propylamine	ND	5.95	1.59	
Hexachloroethane	ND	5.95	2.01	
Nitrobenzene	ND	11.9	3.58	
Isophorone	ND	11.9	0.6	
2-Nitrophenol	ND	5.95	1.36	
2,4-Dimethylphenol	ND	2.38	0.91	
Benzoic Acid	ND	71.4	19	
bis(2-Chloroethoxy)methane	ND	11.9	2.28	
2,4-Dichlorophenol	ND	5.95	1.06	
1,2,4-Trichlorobenzene	ND	5.95	1.01	
Naphthalene	ND	2.38	1.05	
4-Chloroaniline	ND	11.9	1.11	
Hexachlorobutadiene	ND	5.95	0.87	
4-Chloro-3-methylphenol	ND	5.95	1.06	
2-Methylnaphthalene	2.64	2.38	0.619	
Hexachlorocyclopentadiene	ND	5.95	0.943	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 125060-08 continued...

Analyte		Result (ug/kg)	RL	MDL	
2,4,6-Trichlorophenol	ND		5.95	0.941	
2,4,5-Trichlorophenol	ND		5.95	0.923	
2-Chloronaphthalene	ND		2.38	0.803	
2-Nitroaniline	ND		2.38	0.646	
Dimethylphthalate	ND		11.9	2.33	
Acenaphthylene	ND		2.38	0.701	
2,6-Dinitrotoluene	ND		5.95	1.27	
3-Nitroaniline	ND		11.9	3.49	
Acenaphthene		8.09	2.38	0.61	
2,4-Dinitrophenol	ND		59.5	8.32	
4-Nitrophenol	ND		59.5	9.74	
Dibenzofuran	ND		5.95	0.55	
2,4-Dinitrotoluene	ND		11.9	2.02	
Diethylphthalate	ND		11.9	4.29	
4-Chlorophenylphenylether	ND		11.9	2.56	
Fluorene	ND		2.38	0.768	
4-Nitroaniline	ND		23.8	4.88	
4,6-Dinitro-2-methylphenol	ND		11.9	2.14	
N-Nitrosodiphenylamine	ND		2.38	0.68	
4-Bromophenylphenylether	ND		11.9	2.19	
Hexachlorobenzene	ND		2.38	0.629	
Pentachlorophenol	ND		11.9	2.31	
Phenanthrene		18.3	2.38	0.707	
Anthracene		6.41	2.38	0.452	
Di-n-butylphthalate		19	11.9	2.17	B1
Fluoranthene		41.6	2.38	1.2	
Pyrene		44.8	2.38	0.404	
Butylbenzylphthalate	ND		23.8	2.55	
3,3'-Dichlorobenzidine	ND		23.8	5.16	
Benzo(a)anthracene		26.5	2.38	1.2	
Chrysene		32.7	2.38	0.851	
bis(2-Ethylhexyl)phthalate		542	23.8	2.18	D10
Di-n-octylphthalate		88.1	23.8	2.19	
Benzofluoranthenes		39	4.76	1.08	
Benzo(a)pyrene		28.9	2.38	0.753	
Indeno(1,2,3-cd)pyrene		15.3	2.38	0.542	
Dibenz(a,h)anthracene	ND		2.38	0.739	
Benzo(g,h,i)perylene		18.9	2.38	0.572	
Carbazole	ND		11.9	2.37	
N-nitrosodimethylamine	ND		11.9	3.63	
Benzidine	ND		11.9	3.35	
Aniline	ND		11.9	2.19	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA15ERW
Lab ID:	125060-10
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	69		2	120
Phenol - d5	40.2		1	102
Nitrobenzene - d5	126		34	146
2 - Fluorobiphenyl	134		35	143
2,4,6 - Tribromophenol	133		29	151
p - Terphenyl - d14	125		35	166

Analyte		Result (ug/L)	RL	MDL	Flags
Phenol	ND		0.236	0.00544	
bis(2-Chloroethyl)ether	ND		0.236	0.0383	
2-Chlorophenol	ND		0.236	0.0498	
1,3-Dichlorobenzene	ND		0.236	0.0434	
1,4-Dichlorobenzene	ND		0.236	0.0374	
Benzyl Alcohol	ND		0.236	0.0502	
1,2-Dichlorobenzene	ND		0.236	0.0329	
2-Methylphenol	ND		0.236	0.0462	
bis(2-Chloroisopropyl)ether	ND		0.236	0.0507	
3-&4-Methylphenol	ND		0.473	0.0521	
N-nitroso-di-n-propylamine	ND		0.236	0.0436	
Hexachloroethane	ND		0.236	0.045	
Nitrobenzene	ND		0.236	0.0615	
Isophorone	ND		0.236	0.0335	
2-Nitrophenol	ND		0.236	0.0506	
2,4-Dimethylphenol	ND		1.18	0.216	
Benzoic Acid	ND		1.18	0.158	
bis(2-Chloroethoxy)methane	ND		0.236	0.0214	
2,4-Dichlorophenol	ND		0.236	0.022	
1,2,4-Trichlorobenzene	ND		0.236	0.0145	
Naphthalene		0.279	0.0591	0.0206	
4-Chloroaniline	ND		0.355	0.0855	
Hexachlorobutadiene	ND		0.236	0.0174	
4-Chloro-3-methylphenol	ND		0.236	0.0288	
2-Methylnaphthalene		0.116	0.0591	0.0176	
Hexachlorocyclopentadiene	ND		1.18	0.366	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 125060-10 continued...

Analyte		Result (ug/L)	RL	MDL	
2,4,6-Trichlorophenol	ND		0.236	0.0379	
2,4,5-Trichlorophenol	ND		0.236	0.0524	
2-Chloronaphthalene	ND		0.0236	0.00567	
2-Nitroaniline	ND		0.236	0.0353	
Dimethylphthalate	ND		0.236	0.0461	
Acenaphthylene	ND		0.0236	0.00284	
2,6-Dinitrotoluene	ND		0.236	0.0449	
3-Nitroaniline	ND		0.236	0.0668	
Acenaphthene		0.0415	0.0236	0.00402	
2,4-Dinitrophenol	ND		1.18	0.245	
4-Nitrophenol	ND		1.18	0.139	
Dibenzofuran		0.104	0.236	0.0242	J
2,4-Dinitrotoluene	ND		0.236	0.0678	
Diethylphthalate	ND		0.236	0.0658	
4-Chlorophenylphenylether	ND		0.236	0.0381	
Fluorene		0.0675	0.0236	0.00201	
4-Nitroaniline	ND		0.236	0.0459	
4,6-Dinitro-2-methylphenol	ND		1.18	0.366	
N-Nitrosodiphenylamine	ND		0.236	0.01	
4-Bromophenylphenylether	ND		0.236	0.0259	
Hexachlorobenzene	ND		0.236	0.0296	
Pentachlorophenol	ND		0.236	0.236	
Phenanthrene		0.282	0.0236	0.00437	
Anthracene		0.0367	0.0236	0.00225	
Di-n-butylphthalate		0.551	0.236	0.044	B1
Fluoranthene		0.0589	0.0236	0.00674	
Pyrene		0.0228	0.0236	0.00343	J
Butylbenzylphthalate	ND		0.355	0.115	
3,3'-Dichlorobenzidine	ND		1.18	0.221	
Benzo(a)anthracene	ND		0.0236	0.00615	
Chrysene	ND		0.0236	0.00993	
bis(2-Ethylhexyl)phthalate	ND		1.77	0.45	
Di-n-octylphthalate	ND		0.236	0.0323	
Benzofluoranthenes	ND		0.118	0.0141	
Benzo(a)pyrene	ND		0.0236	0.0039	
Indeno(1,2,3-cd)pyrene	ND		0.0236	0.00331	
Dibenz(a,h)anthracene	ND		0.0236	0.00366	
Benzo(g,h,i)perylene	ND		0.0236	0.00603	
Carbazole	ND		0.236	0.0257	
N-nitrosodimethylamine	ND		1.18	1.18	
Benzidine	ND		1.18	1.18	
Aniline	ND		0.355	0.355	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA16ERW
Lab ID:	125060-11
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	60.1		2	120
Phenol - d5	43.9		1	102
Nitrobenzene - d5	108		34	146
2 - Fluorobiphenyl	96		35	143
2,4,6 - Tribromophenol	104		29	151
p - Terphenyl - d14	108		35	166

Analyte		Result (ug/L)	RL	MDL	Flags
Phenol	ND		0.234	0.00538	
bis(2-Chloroethyl)ether	ND		0.234	0.0379	
2-Chlorophenol	ND		0.234	0.0492	
1,3-Dichlorobenzene	ND		0.234	0.0429	
1,4-Dichlorobenzene	ND		0.234	0.037	
Benzyl Alcohol		0.0582	0.234	0.0497	J
1,2-Dichlorobenzene	ND		0.234	0.0325	
2-Methylphenol	ND		0.234	0.0457	
bis(2-Chloroisopropyl)ether	ND		0.234	0.0502	
3-&4-Methylphenol	ND		0.468	0.0516	
N-nitroso-di-n-propylamine	ND		0.234	0.0432	
Hexachloroethane	ND		0.234	0.0446	
Nitrobenzene	ND		0.234	0.0608	
Isophorone	ND		0.234	0.0331	
2-Nitrophenol	ND		0.234	0.0501	
2,4-Dimethylphenol	ND		1.17	0.214	
Benzoic Acid	ND		1.17	0.157	
bis(2-Chloroethoxy)methane	ND		0.234	0.0212	
2,4-Dichlorophenol	ND		0.234	0.0218	
1,2,4-Trichlorobenzene	ND		0.234	0.0144	
Naphthalene		0.0271	0.0585	0.0204	J
4-Chloroaniline	ND		0.351	0.0846	
Hexachlorobutadiene	ND		0.234	0.0172	
4-Chloro-3-methylphenol	ND		0.234	0.0285	
2-Methylnaphthalene	ND		0.0585	0.0174	
Hexachlorocyclopentadiene	ND		1.17	0.363	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 125060-11 continued...

Analyte		Result (ug/L)	RL	MDL	
2,4,6-Trichlorophenol	ND		0.234	0.0375	
2,4,5-Trichlorophenol	ND		0.234	0.0518	
2-Chloronaphthalene	ND		0.0234	0.00561	
2-Nitroaniline	ND		0.234	0.035	
Dimethylphthalate	ND		0.234	0.0456	
Acenaphthylene	ND		0.0234	0.00281	
2,6-Dinitrotoluene	ND		0.234	0.0444	
3-Nitroaniline	ND		0.234	0.0661	
Acenaphthene	ND		0.0234	0.00398	
2,4-Dinitrophenol	ND		1.17	0.242	
4-Nitrophenol	ND		1.17	0.138	
Dibenzofuran	ND		0.234	0.024	
2,4-Dinitrotoluene	ND		0.234	0.0671	
Diethylphthalate	ND		0.234	0.0651	
4-Chlorophenylphenylether	ND		0.234	0.0377	
Fluorene	ND		0.0234	0.00199	
4-Nitroaniline	ND		0.234	0.0454	
4,6-Dinitro-2-methylphenol	ND		1.17	0.363	
N-Nitrosodiphenylamine	ND		0.234	0.00994	
4-Bromophenylphenylether	ND		0.234	0.0256	
Hexachlorobenzene	ND		0.234	0.0292	
Pentachlorophenol	ND		0.234	0.234	
Phenanthrene		0.00926	0.0234	0.00433	J
Anthracene	ND		0.0234	0.00222	
Di-n-butylphthalate		0.728	0.234	0.0435	B1
Fluoranthene	ND		0.0234	0.00667	
Pyrene	ND		0.0234	0.00339	
Butylbenzylphthalate		0.219	0.351	0.114	J
3,3'-Dichlorobenzidine	ND		1.17	0.219	
Benzo(a)anthracene	ND		0.0234	0.00608	
Chrysene	ND		0.0234	0.00982	
bis(2-Ethylhexyl)phthalate	ND		1.75	0.446	
Di-n-octylphthalate		0.0341	0.234	0.0319	J
Benzofluoranthenes	ND		0.117	0.0139	
Benzo(a)pyrene	ND		0.0234	0.00386	
Indeno(1,2,3-cd)pyrene	ND		0.0234	0.00327	
Dibenz(a,h)anthracene	ND		0.0234	0.00363	
Benzo(g,h,i)perylene	ND		0.0234	0.00596	
Carbazole	ND		0.234	0.0254	
N-nitrosodimethylamine	ND		1.17	1.17	
Benzidine	ND		1.17	1.17	
Aniline	ND		0.351	0.351	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA28SS
Lab ID:	125060-03
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	87.46
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	107		42	192

Sample results are on a dry weight basis.

Analyte		**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	ND		2.19	0.821	
Tributyltin	ND		2.92	1.01	
Dibutyltin		3.93	2.19	0.8	
Monobutyltin	ND		1.46	0.57	

00050

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA29SS
Lab ID:	125060-04
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	93.13
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	154		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	ND	2.09	0.783	
Tributyltin	ND	2.78	0.963	
Dibutyltin	ND	2.09	0.763	
Monobutyltin	3.45	1.39	0.543	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA31SS
Lab ID:	125060-06
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	77.35
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	140		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	ND	2.42	0.91	
Tributyltin	ND	3.23	1.12	
Dibutyltin	ND	2.42	0.887	
Monobutyltin	ND	1.62	0.632	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA16ERW
Lab ID:	125060-11
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	120		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tetrabutyltin	ND	0.00213	0.000644	
Tributyltin	ND	0.00149	0.000476	
Dibutyltin	ND	0.000851	0.000248	
Monobutyltin	ND	0.000426	0.000123	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA28SS
Lab ID:	125060-03
Date Received:	11/24/2004
Date Prepared:	12/7/2004
Date Analyzed:	12/9/2004
% Solids	87.46
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	61.7		47	144
Decachlorobiphenyl	77		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**		**RL**	**MDL**	**Flags**
Aldrin	ND		1.08	0.111	
alpha-BHC	ND		1.08	0.108	
beta-BHC		0.952	1.08	0.12	J C1
delta-BHC	ND		1.08	0.108	
gamma-BHC (Lindane)	ND		1.08	0.129	
4,4'-DDD	ND		2.15	0.22	
4,4'-DDE		1.7	2.15	0.215	J C2
4,4'-DDT		3.39	2.15	0.253	C1
Dieldrin	ND		2.15	0.262	
Endosulfan I	ND		1.08	0.121	
Endosulfan II	ND		2.15	0.275	
Endosulfan sulfate	ND		2.15	0.515	
Endrin	ND		2.15	0.135	
Endrin aldehyde	ND		2.15	0.625	
Heptachlor	ND		1.08	0.108	
Heptachlor epoxide	ND		1.08	0.148	
Methoxychlor	ND		10.8	0.155	
Endrin ketone	ND		2.15	0.121	
Toxaphene	ND		108	10.8	
alpha-Chlordane	ND		1.08	0.116	
gamma-Chlordane	ND		1.08	0.13	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA29SS
Lab ID:	125060-04
Date Received:	11/24/2004
Date Prepared:	12/7/2004
Date Analyzed:	12/9/2004
% Solids	93.13
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	80.8		47	144
Decachlorobiphenyl	89.9		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	0.981	0.101	
alpha-BHC	ND	0.981	0.0981	
beta-BHC	ND	0.981	0.109	
delta-BHC	ND	0.981	0.0981	
gamma-BHC (Lindane)	ND	0.981	0.118	
4,4'-DDD	ND	1.96	0.2	
4,4'-DDE	ND	1.96	0.196	
4,4'-DDT	ND	1.96	0.23	
Dieldrin	ND	1.96	0.238	
Endosulfan I	ND	0.981	0.11	
Endosulfan II	ND	1.96	0.25	
Endosulfan sulfate	ND	1.96	0.469	
Endrin	ND	1.96	0.123	
Endrin aldehyde	ND	1.96	0.569	
Heptachlor	ND	0.981	0.0981	
Heptachlor epoxide	ND	0.981	0.134	
Methoxychlor	ND	9.81	0.141	
Endrin ketone	ND	1.96	0.11	
Toxaphene	ND	98.1	9.81	
alpha-Chlordane	ND	0.981	0.106	
gamma-Chlordane	ND	0.981	0.119	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA30SS
Lab ID:	125060-05
Date Received:	11/24/2004
Date Prepared:	12/7/2004
Date Analyzed:	12/10/2004
% Solids	79.63
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	78		47	144
Decachlorobiphenyl	74.4		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	1.25	0.129	
alpha-BHC	ND	1.25	0.125	
beta-BHC	ND	1.25	0.139	
delta-BHC	ND	1.25	0.125	
gamma-BHC (Lindane)	ND	1.25	0.15	
4,4'-DDD	ND	2.5	0.255	
4,4'-DDE	ND	2.5	0.25	
4,4'-DDT	ND	2.5	0.294	
Dieldrin	ND	2.5	0.304	
Endosulfan I	ND	1.25	0.14	
Endosulfan II	ND	2.5	0.319	
Endosulfan sulfate	ND	2.5	0.598	
Endrin	ND	2.5	0.156	
Endrin aldehyde	ND	2.5	0.725	
Heptachlor	ND	1.25	0.125	
Heptachlor epoxide	ND	1.25	0.171	
Methoxychlor	ND	12.5	0.18	
Endrin ketone	ND	2.5	0.14	
Toxaphene	ND	125	12.5	
alpha-Chlordane	ND	1.25	0.135	
gamma-Chlordane	ND	1.25	0.151	

00056

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA31SS
Lab ID:	125060-06
Date Received:	11/24/2004
Date Prepared:	12/7/2004
Date Analyzed:	12/10/2004
% Solids	77.35
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	79.7		47	144
Decachlorobiphenyl	78.5		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	1.26	0.129	
alpha-BHC	ND	1.26	0.126	
beta-BHC	ND	1.26	0.139	
delta-BHC	ND	1.26	0.126	
gamma-BHC (Lindane)	ND	1.26	0.151	
4,4'-DDD	ND	2.51	0.256	
4,4'-DDE	ND	2.51	0.251	
4,4'-DDT	ND	2.51	0.295	
Dieldrin	ND	2.51	0.305	
Endosulfan I	ND	1.26	0.141	
Endosulfan II	ND	2.51	0.32	
Endosulfan sulfate	ND	2.51	0.6	
Endrin	ND	2.51	0.157	
Endrin aldehyde	ND	2.51	0.728	
Heptachlor	ND	1.26	0.126	
Heptachlor epoxide	0.634	1.26	0.172	J C2
Methoxychlor	ND	12.6	0.181	
Endrin ketone	ND	2.51	0.141	
Toxaphene	ND	126	12.6	
alpha-Chlordane	ND	1.26	0.136	
gamma-Chlordane	ND	1.26	0.152	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA16ERW
Lab ID:	125060-11
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

Organochlorine Pesticides by USEPA Methods 8081A

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Tetrachloro-m-xylene	65.7		47	136
Decachlorobiphenyl	47.1	N	56	145

Analyte		Result (ug/L)	RL	MDL	Flags
Aldrin		0.000946	0.00111	0.000127	J C1
alpha-BHC	ND		0.00111	0.000409	
beta-BHC	ND		0.00111	0.000475	
delta-BHC	ND		0.00111	0.000261	
gamma-BHC (Lindane)	ND		0.00111	0.0008	
4,4'-DDD	ND		0.00444	0.000523	
4,4'-DDE	ND		0.00444	0.000434	
4,4'-DDT	ND		0.00444	0.000555	
Dieldrin	ND		0.00222	0.000335	
Endosulfan I	ND		0.00111	0.000554	
Endosulfan II		0.00286	0.00222	0.00042	C1
Endosulfan sulfate	ND		0.00222	0.000597	
Endrin	ND		0.00222	0.000344	
Endrin aldehyde	ND		0.00222	0.00108	
Heptachlor	ND		0.00111	0.000837	
Heptachlor epoxide	ND		0.00111	0.000416	
Methoxychlor	ND		0.0111	0.000597	
Endrin ketone	ND		0.00222	0.000383	
Toxaphene	ND		0.111	0.013	
alpha-Chlordane	ND		0.00111	0.000391	
gamma-Chlordane	ND		0.00111	0.000532	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA28SS
Lab ID:	125060-03
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/2/2004
% Solids	87.46
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	95.7		60	123
Decachlorobiphenyl	124		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.0107	0.00315	
Aroclor 1221	ND	0.0107	0.00315	
Aroclor 1232	ND	0.0107	0.00315	
Aroclor 1242	ND	0.0107	0.00315	
Aroclor 1248	ND	0.0107	0.00315	
Aroclor 1254	ND	0.0107	0.00173	
Aroclor 1260	0.0119	0.0107	0.00173	C1

00059

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA29SS
Lab ID:	125060-04
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/2/2004
% Solids	93.13
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	99.8		60	123
Decachlorobiphenyl	124		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.00983	0.0029	
Aroclor 1221	ND	0.00983	0.0029	
Aroclor 1232	ND	0.00983	0.0029	
Aroclor 1242	ND	0.00983	0.0029	
Aroclor 1248	ND	0.00983	0.0029	
Aroclor 1254	ND	0.00983	0.00159	
Aroclor 1260	ND	0.00983	0.00159	

00060

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA30SS
Lab ID:	125060-05
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/2/2004
% Solids	79.63
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	94.7		60	123
Decachlorobiphenyl	124		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.0118	0.00348	
Aroclor 1221	ND	0.0118	0.00348	
Aroclor 1232	ND	0.0118	0.00348	
Aroclor 1242	ND	0.0118	0.00348	
Aroclor 1248	ND	0.0118	0.00348	
Aroclor 1254	ND	0.0118	0.00191	
Aroclor 1260	0.0064	0.0118	0.00191	J C1

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA31SS
Lab ID:	125060-06
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/3/2004
% Solids	77.35
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	93.7		60	123
Decachlorobiphenyl	124		65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.0118	0.00347	
Aroclor 1221	ND	0.0118	0.00347	
Aroclor 1232	ND	0.0118	0.00347	
Aroclor 1242	ND	0.0118	0.00347	
Aroclor 1248	ND	0.0118	0.00347	
Aroclor 1254	ND	0.0118	0.00191	
Aroclor 1260	ND	0.0118	0.00191	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA16ERW
Lab ID:	125060-11
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	69.6		32	134
Decachlorobiphenyl	126		55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.0103	0.00225	
Aroclor 1221	ND	0.0103	0.00225	
Aroclor 1232	ND	0.0103	0.00225	
Aroclor 1242	ND	0.0103	0.00225	
Aroclor 1248	ND	0.0103	0.00225	
Aroclor 1254	ND	0.0103	0.00248	
Aroclor 1260	ND	0.0103	0.00248	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA28SS
Lab ID:	125060-03
Date Received:	11/24/04
Date Prepared:	11/30/04
Date Analyzed:	12/1/04
% Solids	87.46
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	96.6		50	150
1-Chloro-3-fluorobenzene	111		50	150
Bromofluorobenzene	111		50	150
Pentafluorobenzene	84		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	0.596	4.42	0.125	J B1

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA29SS
Lab ID:	125060-04
Date Received:	11/24/04
Date Prepared:	11/30/04
Date Analyzed:	12/1/04
% Solids	93.13
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	97.9		50	150
1-Chloro-3-fluorobenzene	110		50	150
Bromofluorobenzene	110		50	150
Pentafluorobenzene	82.9		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	ND	4.27	0.121	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA31SS
Lab ID:	125060-06
Date Received:	11/24/04
Date Prepared:	11/30/04
Date Analyzed:	12/1/04
% Solids	77.35
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	95.2		50	150
1-Chloro-3-fluorobenzene	108		50	150
Bromofluorobenzene	145		50	150
Pentafluorobenzene	82.5		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	132	5.17	0.147	B2 X1

X1 - Chromatogram suggests this might be multiple single component contamination.

00066

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA33SS
Lab ID:	125060-08
Date Received:	11/24/04
Date Prepared:	11/30/04
Date Analyzed:	12/1/04
% Solids	81.23
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	93.6		50	150
1-Chloro-3-fluorobenzene	110		50	150
Bromofluorobenzene	110		50	150
Pentafluorobenzene	82.8		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	1.3	4.89	0.139	J B1

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA15ERW
Lab ID:	125060-10
Date Received:	11/24/04
Date Prepared:	12/3/04
Date Analyzed:	12/3/04
% Solids	-
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	89.6		50	150
1-Chloro-3-fluorobenzene	93.6		50	150
Bromofluorobenzene	90		50	150
Pentafluorobenzene	75.1		50	150

Analyte	**Result (mg/L)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	0.0161	0.1	0.00284	J B1

00068

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA16ERW
Lab ID:	125060-11
Date Received:	11/24/04
Date Prepared:	12/3/04
Date Analyzed:	12/3/04
% Solids	-
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	89.3		50	150
1-Chloro-3-fluorobenzene	92.3		50	150
Bromofluorobenzene	88.7		50	150
Pentafluorobenzene	74.8		50	150

Analyte	**Result (mg/L)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	0.0133	0.1	0.00284	J B1

00069

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA28SS
Lab ID:	125060-03
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	87.46
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	79.3		50	150

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
#2 Diesel	ND	26.3	5.02	
Motor Oil	ND	52.5	10	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA29SS
Lab ID:	125060-04
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	93.13
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
o-terphenyl	93.5		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
#2 Diesel	7.3	25	4.78	J
Motor Oil	153	50	9.52	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA31SS
Lab ID:	125060-06
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	77.35
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	84.4		50	150

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
#2 Diesel	ND	30	5.74	
Motor Oil	ND	60	11.4	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA33SS
Lab ID:	125060-08
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	81.23
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
o-terphenyl	84.3		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
#2 Diesel	ND	28.9	5.53	
Motor Oil	ND	57.8	11	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA15ERW
Lab ID:	125060-10
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	107		50	150

Analyte	Result (mg/L)	RL	MDL	Flags
#2 Diesel	ND	0.349	0.107	
Motor Oil	ND	0.698	0.133	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA16ERW
Lab ID:	125060-11
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	110		50	150

Analyte		Result (mg/L)	RL	MDL	Flags
#2 Diesel	ND		0.292	0.0896	
Motor Oil	ND		0.585	0.111	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA13BDW
Lab ID:	125060-01
Date Received:	11/24/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	MDL	Flags
Arsenic	ND	0.0005	0.000102	
Antimony	0.000112	0.0005	0.0000271	J
Barium	0.0022	0.0005	0.0000245	B2
Beryllium	ND	0.0005	0.0000782	
Cadmium	ND	0.0005	0.0000247	
Chromium	0.00561	0.0005	0.0000595	
Copper	0.0398	0.001	0.0000625	
Lead	0.000358	0.0005	0.000024	J B1
Manganese	0.00095	0.001	0.0000239	J B1
Selenium	0.00065	0.0005	0.000149	
Silver	0.000023	0.0001	0.0000188	J
Thallium	ND	0.0005	0.0000292	
Zinc	0.0888	0.002	0.000108	B2

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA13BDW
Lab ID:	125060-01
Date Received:	11/24/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	MDL	Flags
Aluminum	0.012	0.1	0.00588	J
Calcium	10.1	1	0.00868	B2
Cobalt	ND	0.005	0.00077	
Iron	ND	0.1	0.014	
Magnesium	3.6	1	0.0123	
Nickel	ND	0.01	0.00037	
Potassium	2.31	1	0.0813	
Sodium	6.95	1	0.118	
Vanadium	0.00284	0.01	0.000488	J

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA13BDW
Lab ID:	125060-01
Date Received:	11/24/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	MDL	Flags
Mercury	ND	0.0002	0.000053	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA14BDW
Lab ID:	125060-02
Date Received:	11/24/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	MDL	Flags
Arsenic	0.000603	0.0005	0.000102	
Antimony	0.000139	0.0005	0.0000271	J
Barium	0.00213	0.0005	0.0000245	B2
Beryllium	ND	0.0005	0.0000782	
Cadmium	ND	0.0005	0.0000247	
Chromium	0.0061	0.0005	0.0000595	
Copper	0.0383	0.001	0.0000625	
Lead	0.000335	0.0005	0.000024	J B1
Manganese	0.000979	0.001	0.0000239	J B1
Selenium	0.000693	0.0005	0.000149	
Silver	0.000027	0.0001	0.0000188	J
Thallium	0.000039	0.0005	0.0000292	J
Zinc	0.0913	0.002	0.000108	B2

000079

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA14BDW
Lab ID:	125060-02
Date Received:	11/24/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte		Result (mg/L)	RL	MDL	Flags
Aluminum		0.0117	0.1	0.00588	J
Calcium		10.1	1	0.00868	B2
Cobalt	ND		0.005	0.00077	
Iron	ND		0.1	0.014	
Magnesium		3.59	1	0.0123	
Nickel	ND		0.01	0.00037	
Potassium		2.32	1	0.0813	
Sodium		7.26	1	0.118	
Vanadium		0.00308	0.01	0.000488	J

00000

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA14BDW
Lab ID:	125060-02
Date Received:	11/24/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Mercury by CVAA - USEPA Method 7470

Analyte		Result (mg/L)	RL	MDL	Flags
Mercury	ND		0.0002	0.000053	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA28SS
Lab ID:	125060-03
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	5
% Solids	87.46

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	3.85	0.248	0.0505	
Antimony	0.441	0.248	0.0134	
Barium	86	0.248	0.0121	B2
Beryllium	0.243	0.248	0.0388	J
Cadmium	ND	0.248	0.0122	
Chromium	18.2	0.248	0.0295	B2
Copper	31	0.496	0.031	B2
Lead	354	0.248	0.0119	B2
Manganese	345	0.496	0.0118	B2
Selenium	0.175	0.248	0.0738	J
Silver	0.11	0.0496	0.00932	
Thallium	0.0922	0.248	0.0145	J
Zinc	86.7	0.991	0.0535	B2

00082

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA28SS
Lab ID:	125060-03
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/2/04
Dilution Factor	1
% Solids	87.46

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Aluminum	8730	9.91	0.582	
Calcium	4960	99.1	4.18	
Cobalt	11.6	0.496	0.0463	
Iron	22700	9.91	1.38	
Magnesium	6000	99.1	1.6	
Nickel	20.4	0.991	0.0997	
Potassium	433	99.1	7.43	
Sodium	ND	496	11.7	
Vanadium	55.1	0.991	0.0236	

00083

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA28SS
Lab ID:	125060-03
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	1
% Solids	87.46

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0163	0.0196	0.0052	J

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA29SS
Lab ID:	125060-04
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	5
% Solids	93.13

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	0.613	0.257	0.0525	
Antimony	0.0895	0.257	0.0139	J
Barium	49.2	0.257	0.0126	B2
Beryllium	0.131	0.257	0.0402	J
Cadmium	ND	0.257	0.0127	
Chromium	5.27	0.257	0.0306	B2
Copper	16.7	0.515	0.0322	B2
Lead	9.71	0.257	0.0123	B2
Manganese	301	0.515	0.0123	B2
Selenium	0.255	0.257	0.0767	J
Silver	0.087	0.0515	0.00967	
Thallium	0.0463	0.257	0.015	J
Zinc	31.1	1.03	0.0556	B2

00085

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA29SS
Lab ID:	125060-04
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/2/04
Dilution Factor	1
% Solids	93.13

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Aluminum	3770	10.3	0.605	
Calcium	3740	103	4.34	
Cobalt	11	0.515	0.0481	
Iron	19400	10.3	1.44	
Magnesium	2600	103	1.66	
Nickel	5.35	1.03	0.104	
Potassium	360	103	7.72	
Sodium	ND	1130	12.1	
Vanadium	52.7	1.03	0.0245	

00086

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA29SS
Lab ID:	125060-04
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	1
% Solids	93.13

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0268	0.0186	0.00493	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA30SS
Lab ID:	125060-05
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	5
% Solids	79.63

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	3.26	0.261	0.0532	
Antimony	0.893	0.261	0.0141	
Barium	112	0.261	0.0128	B2
Beryllium	0.349	0.261	0.0408	
Cadmium	ND	0.261	0.0129	
Chromium	221	0.261	0.031	B2
Copper	64	0.522	0.0326	B2
Lead	49.1	0.261	0.0125	B2
Manganese	611	0.522	0.0125	B2
Selenium	0.284	0.261	0.0777	
Silver	0.107	0.0522	0.0098	
Thallium	0.135	0.261	0.0152	J
Zinc	90.9	1.04	0.0563	B2

00088

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA30SS
Lab ID:	125060-05
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/2/04
Dilution Factor	1
% Solids	79.63

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Aluminum	15000	10.4	0.613	
Calcium	10200	104	4.4	
Cobalt	16	0.522	0.0487	
Iron	33300	10.4	1.46	
Magnesium	9110	104	1.68	
Nickel	58.6	1.04	0.105	
Potassium	627	104	7.82	
Sodium	ND	104	12.3	
Vanadium	69.6	1.04	0.0248	

00089

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA30SS
Lab ID:	125060-05
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	1
% Solids	79.63

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0359	0.0222	0.00589	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA31SS
Lab ID:	125060-06
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	5
% Solids	77.35

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	3.05	0.299	0.0609	
Antimony	0.245	0.299	0.0162	J
Barium	123	0.299	0.0146	B2
Beryllium	0.385	0.299	0.0467	
Cadmium	ND	0.299	0.0148	
Chromium	29.8	0.299	0.0356	B2
Copper	66.4	0.598	0.0373	B2
Lead	8.61	0.299	0.0143	B2
Manganese	816	0.598	0.0143	B2
Selenium	0.33	0.299	0.089	
Silver	0.154	0.0598	0.0112	
Thallium	0.11	0.299	0.0174	J
Zinc	58.5	1.2	0.0645	B2

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA31SS
Lab ID:	125060-06
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/2/04
Dilution Factor	1
% Solids	77.35

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Aluminum	23100	12	0.702	
Calcium	9860	120	5.05	
Cobalt	19.7	0.598	0.0558	
Iron	35200	12	1.67	
Magnesium	13900	120	1.93	
Nickel	26.9	1.2	0.12	
Potassium	615	120	8.96	
Sodium	278	120	14.1	B2
Vanadium	89.1	1.2	0.0284	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA31SS
Lab ID:	125060-06
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	1
% Solids	77.35

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0131	0.024	0.00636	J

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA33SS
Lab ID:	125060-08
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	5
% Solids	81.23

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	8.22	0.269	0.0549	
Antimony	1.7	0.269	0.0146	
Barium	104	0.269	0.0132	B2
Beryllium	0.378	0.269	0.0421	
Cadmium	ND	0.269	0.0133	
Chromium	55.4	0.269	0.032	B2
Copper	77.6	0.539	0.0337	B2
Lead	21.5	0.269	0.0129	B2
Manganese	582	0.539	0.0129	B2
Selenium	0.277	0.269	0.0802	
Silver	0.17	0.0539	0.0101	
Thallium	0.102	0.269	0.0157	J
Zinc	120	1.08	0.0582	B2

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA33SS
Lab ID:	125060-08
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/2/04
Dilution Factor	1
% Solids	81.23

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Aluminum	14600	10.8	0.633	
Calcium	7090	108	4.55	
Cobalt	14.7	0.539	0.0503	
Iron	27600	10.8	1.5	
Magnesium	7590	108	1.74	
Nickel	28.3	1.08	0.108	
Potassium	654	108	8.08	
Sodium	ND	323	12.7	
Vanadium	68.7	1.08	0.0256	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA33SS
Lab ID:	125060-08
Date Received:	11/24/04
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	1
% Solids	81.23

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0219	0.0217	0.00575	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA15ERW
Lab ID:	125060-10
Date Received:	11/24/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP-MS - USEPA Method 6020

Analyte		Result (mg/L)	RL	MDL	Flags
Arsenic	ND		0.0005	0.000102	
Antimony		0.000066	0.0005	0.0000271	J
Barium		0.000085	0.0005	0.0000245	J B1
Beryllium	ND		0.0005	0.0000782	
Cadmium	ND		0.0005	0.0000247	
Chromium		0.00429	0.0005	0.0000595	
Copper		0.000133	0.001	0.0000625	J
Lead	ND		0.0005	0.000024	
Manganese		0.000373	0.001	0.0000239	J B1
Selenium		0.00057	0.0005	0.000149	
Silver		0.000043	0.0001	0.0000188	J
Thallium	ND		0.0005	0.0000292	
Zinc		0.00244	0.002	0.000108	B1

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA15ERW
Lab ID:	125060-10
Date Received:	11/24/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	MDL	Flags
Aluminum	0.0431	0.1	0.00588	J
Calcium	0.0836	1	0.00868	J B1
Cobalt	ND	0.005	0.00077	
Iron	ND	0.1	0.014	
Magnesium	ND	1	0.0123	
Nickel	ND	0.01	0.00037	
Potassium	ND	1	0.0813	
Sodium	0.53	1	0.118	J
Vanadium	0.00077	0.01	0.000488	J

000098

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA15ERW
Lab ID:	125060-10
Date Received:	11/24/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	MDL	Flags
Mercury	ND	0.0002	0.000053	

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA15ERW
Lab ID:	125060-10
Date Received:	11/24/2004
Date Prepared:	11/24/2004
Date Analyzed:	11/24/2004
% Solids	-
Dilution Factor	1

Total Organic Carbon by USEPA Method 9060

Analyte	Result (mg/L)	RL	MDL	Flags
TOC	0.372	1	0.251	J

STL Seattle

Client Name	URS Corporation
Client ID:	041123SGA16ERW
Lab ID:	125060-11
Date Received:	11/24/2004
Date Prepared:	11/24/2004
Date Analyzed:	11/24/2004
% Solids	-
Dilution Factor	1

Total Organic Carbon by USEPA Method 9060

Analyte	Result (mg/L)	RL	MDL	Flags
TOC	1.34	1	0.251	

STL Seattle

Lab ID:	Method Blank - VOA1052
Date Received:	-
Date Prepared:	12/1/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	103		80	120
Fluorobenzene	108		80	120
Toluene-D8	107		80	120
Ethylbenzene-d10	113		80	120
Bromofluorobenzene	99.3		80	120
Trifluorotoluene	95.2		80	120

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Dichlorodifluoromethane	ND	1	0.0575	
Chloromethane	0.321	1	0.11	J
Vinyl chloride	ND	1	0.0604	
Bromomethane	ND	1	0.0748	
Chloroethane	ND	1	0.187	
Trichlorofluoromethane	ND	1	0.062	
1,1-Dichloroethene	ND	1	0.0595	
Carbon disulfide	ND	1	0.0494	
Acetone	ND	5	1.2	
Methylene chloride	ND	1	0.0752	
trans-1,2-Dichloroethene	ND	1	0.0584	
1,1-Dichloroethane	ND	1	0.036	
Vinyl acetate	ND	5	0.32	
2,2-Dichloropropane	ND	1	0.0487	
2-Butanone	ND	5	1.71	
cis-1,2-Dichloroethene	ND	1	0.0433	
Bromochloromethane	ND	1	0.0573	
Chloroform	ND	1	0.0717	
1,1,1-Trichloroethane	ND	1	0.0477	
Carbon Tetrachloride	ND	1	0.097	
1,1-Dichloropropene	ND	1	0.0695	
Benzene	ND	1	0.0417	
1,2-Dichloroethane	ND	1	0.0533	
Trichloroethene	ND	1	0.0641	
1,2-Dichloropropane	ND	1	0.038	
Dibromomethane	ND	1	0.0864	

STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for VOA1052 continued...

Analyte	Result (ug/L)	RL	MDL	Flags
Bromodichloromethane	ND	1	0.0785	
cis-1,3-Dichloropropene	ND	1	0.0301	
4-Methyl-2-pentanone	ND	5	0.309	
Toluene	ND	1	0.0588	
trans-1,3-Dichloropropene	ND	1	0.0539	
1,1,2-Trichloroethane	ND	1	0.0627	
Tetrachloroethene	ND	1	0.0578	
1,3-Dichloropropane	ND	1	0.0738	
2-Hexanone	ND	5	0.993	
Dibromochloromethane	ND	1	0.0539	
1,2-Dibromoethane	ND	1	0.0637	
Chlorobenzene	ND	1	0.0376	
Ethylbenzene	ND	1	0.0226	
1,1,1,2-Tetrachloroethane	ND	1	0.0528	
m,p-Xylene	ND	2	0.0718	
o-Xylene	ND	1	0.0265	
Styrene	ND	1	0.0279	
Bromoform	ND	1	0.083	
Isopropylbenzene	ND	1	0.0165	
Bromobenzene	ND	1	0.0475	
n-Propylbenzene	ND	1	0.0356	
1,1,2,2-Tetrachloroethane	ND	1	0.068	
1,2,3-Trichloropropane	ND	1	0.123	
2-Chlorotoluene	ND	1	0.0857	
1,3,5-Trimethylbenzene	ND	1	0.0249	
4-Chlorotoluene	ND	1	0.0491	
t-Butylbenzene	ND	1	0.0535	
1,2,4-Trimethylbenzene	ND	1	0.0283	
sec-Butylbenzene	ND	1	0.0358	
1,3-Dichlorobenzene	ND	1	0.0599	
4-Isopropyltoluene	ND	1	0.0397	
1,4-Dichlorobenzene	ND	1	0.018	
n-Butylbenzene	ND	1	0.0603	
1,2-Dichlorobenzene	ND	1	0.0383	
1,2-Dibromo-3-chloropropane	ND	1	0.222	
1,2,4-Trichlorobenzene	ND	1	0.0513	
1,2,3-Trichlorobenzene	ND	1	0.0605	
Hexachlorobutadiene	ND	1	0.152	
Naphthalene	0.13	1	0.0317	J

STL Seattle

Lab ID:	Method Blank - VOA1056
Date Received:	-
Date Prepared:	12/3/2004
Date Analyzed:	12/3/2004
% Solids	
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	98.6		75	125
Fluorobenzene	87.7		75	125
Toluene-D8	97.1		75	125
Ethylbenzene-d10	93.2		75	125
Bromofluorobenzene	96.8		75	125
Trifluorotoluene	108		75	125

Sample results are on an as received basis.

Analyte		Result (ug/kg)	RL	MDL	Flags
Dichlorodifluoromethane	ND		1	0.0409	
Chloromethane	ND		1	0.35	
Vinyl chloride	ND		1	0.186	
Bromomethane		0.585	1	0.351	J
Chloroethane	ND		1	0.573	
Trichlorofluoromethane	ND		1	0.35	
1,1-Dichloroethene	ND		1	0.39	
Carbon disulfide	ND		1	0.276	
Acetone		60.9	5	2.58	N
Methylene chloride		1.99	1	0.164	N
trans-1,2-Dichloroethene	ND		1	0.25	
1,1-Dichloroethane	ND		1	0.0505	
Vinyl acetate	ND		5	1.01	
2,2-Dichloropropane	ND		1	0.0674	
2-Butanone		5.1	5	1.83	N
cis-1,2-Dichloroethene	ND		1	0.09	
Bromochloromethane	ND		1	0.0458	
Chloroform	ND		1	0.0532	
1,1,1-Trichloroethane	ND		1	0.0574	
Carbon Tetrachloride	ND		1	0.0842	
1,1-Dichloropropene	ND		1	0.799	
Benzene		0.0639	1	0.0633	J
1,2-Dichloroethane	ND		1	0.0775	
Trichloroethene	ND		1	0.0321	
1,2-Dichloropropane	ND		1	0.0378	
Dibromomethane	ND		1	0.0648	

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for VOA1056 continued...

Analyte	Result (ug/kg)	RL	MDL	Flags
Bromodichloromethane	ND	1	0.0618	
cis-1,3-Dichloropropene	ND	1	0.0365	
4-Methyl-2-pentanone	ND	5	0.634	
Toluene	0.151	1	0.0305	J
trans-1,3-Dichloropropene	ND	1	0.0453	
1,1,2-Trichloroethane	ND	1	0.0794	
Tetrachloroethene	ND	1	0.101	
1,3-Dichloropropane	ND	1	0.0536	
2-Hexanone	ND	5	1.09	
Dibromochloromethane	ND	1	0.0645	
1,2-Dibromoethane	ND	1	0.0508	
Chlorobenzene	ND	1	0.0444	
Ethylbenzene	0.0419	1	0.0247	J
1,1,1,2-Tetrachloroethane	ND	1	0.0391	
m,p-Xylene	0.135	2	0.0843	J
o-Xylene	0.0379	1	0.03	J
Styrene	0.0818	1	0.024	J
Bromoform	ND	1	0.0619	
Isopropylbenzene	ND	1	0.0373	
Bromobenzene	ND	1	0.0397	
n-Propylbenzene	ND	1	0.0469	
1,1,2,2-Tetrachloroethane	ND	1	0.0563	
1,2,3-Trichloropropane	ND	1	0.0668	
2-Chlorotoluene	ND	1	0.0433	
1,3,5-Trimethylbenzene	ND	1	0.0381	
4-Chlorotoluene	ND	1	0.0828	
t-Butylbenzene	ND	1	0.0241	
1,2,4-Trimethylbenzene	ND	1	0.0422	
sec-Butylbenzene	ND	1	0.039	
1,3-Dichlorobenzene	ND	1	0.0345	
4-Isopropyltoluene	ND	1	0.0559	
1,4-Dichlorobenzene	ND	1	0.0487	
n-Butylbenzene	ND	1	0.0926	
1,2-Dichlorobenzene	ND	1	0.0508	
1,2-Dibromo-3-chloropropane	ND	1	0.119	
1,2,4-Trichlorobenzene	ND	1	0.0971	
1,2,3-Trichlorobenzene	ND	1	0.0952	
Hexachlorobutadiene	ND	1	0.0586	
Naphthalene	ND	1	0.412	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1052
Date Prepared:	12/1/2004
Date Analyzed:	12/1/2004
QC Batch ID:	VOA1052

Volatile Organics by USEPA Method 5035\8260B

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	5	4.79	95.8	4.88	97.6	1.9	
Benzene	0	5	5.16	103	5.27	105	1.9	
Trichloroethene	0	5	5.05	101	4.82	96.5	-4.6	
Toluene	0	5	5.02	100	5.02	100	0	
Chlorobenzene	0	5	4.87	97.3	4.89	97.8	0.51	

STL Seattle

Lab ID:	Blank Spike - SVOA1052
Date Received:	-
Date Prepared:	12/1/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	102		80	120
Fluorobenzene	108		80	120
Toluene-D8	109		80	120
Ethylbenzene-d10	111		80	120
Bromofluorobenzene	104		80	120
Trifluorotoluene	97.9		80	120

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
1,1-Dichloroethene	4.79	1	0.0595	
Benzene	5.16	1	0.0417	
Trichloroethene	5.05	1	0.0641	
Toluene	5.02	1	0.0588	
Chlorobenzene	4.87	1	0.0376	

STL Seattle

Lab ID:	Blank Spike Duplicate - DVOA1052
Date Received:	-
Date Prepared:	12/1/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	103		80	120
Fluorobenzene	109		80	120
Toluene-D8	108		80	120
Ethylbenzene-d10	114		80	120
Bromofluorobenzene	104		80	120
Trifluorotoluene	96.8		80	120

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
1,1-Dichloroethene	4.88	1	0.0595	
Benzene	5.27	1	0.0417	
Trichloroethene	4.82	1	0.0641	
Toluene	5.02	1	0.0588	
Chlorobenzene	4.89	1	0.0376	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1056
Date Prepared:	12/3/2004
Date Analyzed:	12/3/2004
QC Batch ID:	VOA1056

Volatile Organics by USEPA Method 5030/8260B

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	4	3.64	90.9	2.94	73.6	-21	
Benzene	0.064	4	3.69	90.7	4	98.4	8.1	
Trichloroethene	0	4	3.74	93.5	4.01	100	6.7	
Toluene	0.15	4	4.06	97.7	4.22	102	4.3	
Chlorobenzene	0	4	3.93	98.3	4.08	102	3.7	

STL Seattle

Lab ID:	Blank Spike - SVOA1056
Date Received:	-
Date Prepared:	12/3/2004
Date Analyzed:	12/3/2004
% Solids	
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	96.9		75	125
Fluorobenzene	88.9		75	125
Toluene-D8	98.2		75	125
Ethylbenzene-d10	96.6		75	125
Bromofluorobenzene	104		75	125
Trifluorotoluene	106		75	125

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
1,1-Dichloroethene	3.64	1	0.39	
Benzene	3.69	1	0.0633	B2
Trichloroethene	3.74	1	0.0321	
Toluene	4.06	1	0.0305	B2
Chlorobenzene	3.93	1	0.0444	

STL Seattle

Lab ID:	Blank Spike Duplicate - DVOA1056
Date Received:	-
Date Prepared:	12/3/2004
Date Analyzed:	12/3/2004
% Solids	
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	98.2		75	125
Fluorobenzene	89		75	125
Toluene-D8	96.5		75	125
Ethylbenzene-d10	94.9		75	125
Bromofluorobenzene	101		75	125
Trifluorotoluene	118		75	125

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
1,1-Dichloroethene	2.94	1	0.39	
Benzene	4	1	0.0633	B2
Trichloroethene	4.01	1	0.0321	
Toluene	4.22	1	0.0305	B2
Chlorobenzene	4.08	1	0.0444	

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/1/2004
Date Analyzed:	12/2/2004
QC Batch ID:	VOA1052

Volatile Organics by USEPA Method 5035\8260B

Compound Name	Sample Result (ug/L)	Spike Amount (ug/L)	MS Result (ug/L)	MS % Rec.	MSD Result (ug/L)	MSD % Rec.	RPD	Flag
1,1-Dichloroethene	0	5	5.62	112	5.28	106	-5.5	
Benzene	0	5	5.79	116	5.58	112	-3.5	
Trichloroethene	0	5	5.35	107	5.25	105	-1.9	
Toluene	0	5	5.36	107	5.24	105	-1.9	
Chlorobenzene	0	5	5.23	105	5.36	107	1.9	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA13BDW - ms
Lab ID:	125060S01
Date Received:	11/24/2004
Date Prepared:	12/1/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	106		80	120
Fluorobenzene	111		80	120
Toluene-D8	112		80	120
Ethylbenzene-d10	113		80	120
Bromofluorobenzene	103		80	120
Trifluorotoluene	105		80	120

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
1,1-Dichloroethene	5.62	1	0.0595	
Benzene	5.79	1	0.0417	
Trichloroethene	5.35	1	0.0641	
Toluene	5.36	1	0.0588	
Chlorobenzene	5.23	1	0.0376	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA13BDW - msd
Lab ID:	125060D01
Date Received:	11/24/2004
Date Prepared:	12/1/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	101		80	120
Fluorobenzene	109		80	120
Toluene-D8	110		80	120
Ethylbenzene-d10	116		80	120
Bromofluorobenzene	105		80	120
Trifluorotoluene	111		80	120

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
1,1-Dichloroethene	5.28	1	0.0595	
Benzene	5.58	1	0.0417	
Trichloroethene	5.25	1	0.0641	
Toluene	5.24	1	0.0588	
Chlorobenzene	5.36	1	0.0376	

STL Seattle

Lab ID:	Method Blank - SW1040
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	36		2	120
Phenol - d5	23.2		1	102
Nitrobenzene - d5	71.7		34	146
2 - Fluorobiphenyl	75.6		35	143
2,4,6 - Tribromophenol	66		29	151
p - Terphenyl - d14	68.9		35	166

Analyte	Result (ug/L)	RL	MDL	Flags
Phenol	ND	0.2	0.0046	
bis(2-Chloroethyl)ether	ND	0.2	0.0324	
2-Chlorophenol	ND	0.2	0.0421	
1,3-Dichlorobenzene	ND	0.2	0.0367	
1,4-Dichlorobenzene	ND	0.2	0.0316	
Benzyl Alcohol	ND	0.2	0.0425	
1,2-Dichlorobenzene	ND	0.2	0.0278	
2-Methylphenol	ND	0.2	0.0391	
bis(2-Chloroisopropyl)ether	ND	0.2	0.0429	
3-&4-Methylphenol	ND	0.4	0.0441	
N-nitroso-di-n-propylamine	ND	0.2	0.0369	
Hexachloroethane	ND	0.2	0.0381	
Nitrobenzene	ND	0.2	0.052	
Isophorone	ND	0.2	0.0283	
2-Nitrophenol	ND	0.2	0.0428	
2,4-Dimethylphenol	ND	1	0.183	
Benzoic Acid	ND	1	0.134	
bis(2-Chloroethoxy)methane	ND	0.2	0.0181	
2,4-Dichlorophenol	ND	0.2	0.0186	
1,2,4-Trichlorobenzene	ND	0.2	0.0123	
Naphthalene	ND	0.05	0.0174	
4-Chloroaniline	ND	0.3	0.0723	
Hexachlorobutadiene	ND	0.2	0.0147	
4-Chloro-3-methylphenol	ND	0.2	0.0244	
2-Methylnaphthalene	ND	0.05	0.0149	
Hexachlorocyclopentadiene	ND	1	0.31	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for SW1040 continued...

Analyte		Result (ug/L)	RL	MDL	
2,4,6-Trichlorophenol	ND		0.2	0.0321	
2,4,5-Trichlorophenol	ND		0.2	0.0443	
2-Chloronaphthalene	ND		0.02	0.0048	
2-Nitroaniline	ND		0.2	0.0299	
Dimethylphthalate	ND		0.2	0.039	
Acenaphthylene	ND		0.02	0.0024	
2,6-Dinitrotoluene	ND		0.2	0.038	
3-Nitroaniline	ND		0.2	0.0565	
Acenaphthene	ND		0.02	0.0034	
2,4-Dinitrophenol	ND		1	0.207	
4-Nitrophenol	ND		1	0.118	
Dibenzofuran	ND		0.2	0.0205	
2,4-Dinitrotoluene	ND		0.2	0.0574	
Diethylphthalate	ND		0.2	0.0557	
4-Chlorophenylphenylether	ND		0.2	0.0322	
Fluorene	ND		0.02	0.0017	
4-Nitroaniline	ND		0.2	0.0388	
4,6-Dinitro-2-methylphenol	ND		1	0.31	
N-Nitrosodiphenylamine	ND		0.2	0.0085	
4-Bromophenylphenylether	ND		0.2	0.0219	
Hexachlorobenzene	ND		0.2	0.025	
Pentachlorophenol	ND		0.2	0.2	
Phenanthrene	ND		0.02	0.0037	
Anthracene	ND		0.02	0.0019	
Di-n-butylphthalate		0.15	0.2	0.0372	J
Fluoranthene	ND		0.02	0.0057	
Pyrene	ND		0.02	0.0029	
Butylbenzylphthalate	ND		0.3	0.0975	
3,3'-Dichlorobenzidine	ND		1	0.187	
Benzo(a)anthracene	ND		0.02	0.0052	
Chrysene	ND		0.02	0.0084	
bis(2-Ethylhexyl)phthalate	ND		1.5	0.381	
Di-n-octylphthalate	ND		0.2	0.0273	
Benzofluoranthenes	ND		0.1	0.0119	
Benzo(a)pyrene	ND		0.02	0.0033	
Indeno(1,2,3-cd)pyrene	ND		0.02	0.0028	
Dibenz(a,h)anthracene	ND		0.02	0.0031	
Benzo(g,h,i)perylene	ND		0.02	0.0051	
Carbazole	ND		0.2	0.0217	
N-nitrosodimethylamine	ND		1	1	
Benzidine	ND		1	1	
Aniline	ND		0.3	0.3	

STL Seattle

Lab ID:	Method Blank - SS1285
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	11/30/2004
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	87.7		36	145
Phenol - d5	89.4		38	149
Nitrobenzene - d5	78.6		38	141
2 - Fluorobiphenyl	92.5		42	140
2,4,6 - Tribromophenol	85.7		28	143
p - Terphenyl - d14	133		42	151

Sample results are on an as received basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	ND	5	0.723	
bis(2-Chloroethyl)ether	ND	10	1.57	
2-Chlorophenol	ND	5	0.673	
1,3-Dichlorobenzene	ND	5	0.852	
1,4-Dichlorobenzene	ND	5	0.841	
Benzyl Alcohol	ND	5	1.99	
1,2-Dichlorobenzene	ND	5	0.679	
2-Methylphenol	ND	5	0.944	
bis(2-Chloroisopropyl)ether	ND	25	7.99	
3-&4-Methylphenol	ND	5	1.18	
N-nitroso-di-n-propylamine	ND	5	1.34	
Hexachloroethane	ND	5	1.69	
Nitrobenzene	ND	10	3.01	
Isophorone	ND	10	0.504	
2-Nitrophenol	ND	5	1.14	
2,4-Dimethylphenol	ND	2	0.765	
Benzoic Acid	ND	60	16	
bis(2-Chloroethoxy)methane	ND	10	1.92	
2,4-Dichlorophenol	ND	5	0.887	
1,2,4-Trichlorobenzene	ND	5	0.849	
Naphthalene	ND	2	0.886	
4-Chloroaniline	ND	10	0.93	
Hexachlorobutadiene	ND	5	0.731	
4-Chloro-3-methylphenol	ND	5	0.893	
2-Methylnaphthalene	ND	2	0.52	
Hexachlorocyclopentadiene	ND	5	0.793	

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for SS1285 continued...

Analyte		Result (ug/kg)	RL	MDL	
2,4,6-Trichlorophenol	ND		5	0.791	
2,4,5-Trichlorophenol	ND		5	0.776	
2-Chloronaphthalene	ND		2	0.675	
2-Nitroaniline	ND		2	0.543	
Dimethylphthalate	ND		10	1.96	
Acenaphthylene	ND		2	0.589	
2,6-Dinitrotoluene	ND		5	1.07	
3-Nitroaniline	ND		10	2.93	
Acenaphthene	ND		2	0.513	
2,4-Dinitrophenol	ND		50	6.99	
4-Nitrophenol	ND		50	8.19	
Dibenzofuran	ND		5	0.462	
2,4-Dinitrotoluene	ND		10	1.7	
Diethylphthalate	ND		10	3.61	
4-Chlorophenylphenylether	ND		10	2.15	
Fluorene	ND		2	0.646	
4-Nitroaniline	ND		20	4.1	
4,6-Dinitro-2-methylphenol	ND		10	1.8	
N-Nitrosodiphenylamine	ND		2	0.572	
4-Bromophenylphenylether	ND		10	1.84	
Hexachlorobenzene	ND		2	0.529	
Pentachlorophenol	ND		10	1.94	
Phenanthrene	ND		2	0.594	
Anthracene	ND		2	0.38	
Di-n-butylphthalate		6.38	10	1.82	J
Fluoranthene	ND		2	1.01	
Pyrene	ND		2	0.34	
Butylbenzylphthalate		2.54	20	2.14	J
3,3'-Dichlorobenzidine	ND		20	4.34	
Benzo(a)anthracene	ND		2	1.01	
Chrysene	ND		2	0.715	
bis(2-Ethylhexyl)phthalate	ND		20	1.83	
Di-n-octylphthalate	ND		20	1.84	
Benzofluoranthenes	ND		4	0.906	
Benzo(a)pyrene	ND		2	0.633	
Indeno(1,2,3-cd)pyrene	ND		2	0.456	
Dibenz(a,h)anthracene	ND		2	0.621	
Benzo(g,h,i)perylene	ND		2	0.481	
Carbazole	ND		10	1.99	
N-nitrosodimethylamine	ND		10	3.05	
Benzidine	ND		10	2.82	
Aniline	ND		10	1.84	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SW1040
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
QC Batch ID:	SW1040

Semivolatile Organics by USEPA Method 8270

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
Phenol	0	1.5	0.753	50.2	0.86	57.4	13	
2-Chlorophenol	0	1.5	1.74	116	1.82	121	4.2	
1,4-Dichlorobenzene	0	1	1.21	121	1.27	127	4.8	
N-nitroso-di-n-propylamine	0	1	1.3	130	1.37	137	5.2	
1,2,4-Trichlorobenzene	0	1	1.33	133	1.15	115	-15	
4-Chloro-3-methylphenol	0	1.5	2.03	135	2.14	143	5.8	
Acenaphthene	0	1	1.27	127	1.3	130	2.3	
4-Nitrophenol	0	1.5	1.19	79.4	1.14	76	-4.4	
2,4-Dinitrotoluene	0	1	1.15	115	1.3	130	12	
Pentachlorophenol	0	1.5	1.37	91.7	1.5	99.8	8.5	
Pyrene	0	1	1.1	110	1.21	121	9.5	

STL Seattle

Lab ID:	Blank Spike - SSW1040
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	72.7		2	120
Phenol - d5	51.2		1	102
Nitrobenzene - d5	132		34	146
2 - Fluorobiphenyl	125		35	143
2,4,6 - Tribromophenol	116		29	151
p - Terphenyl - d14	121		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.753	0.2	0.0046	
2-Chlorophenol	1.74	0.2	0.0421	
1,4-Dichlorobenzene	1.21	0.2	0.0316	
N-nitroso-di-n-propylamine	1.3	0.2	0.0369	
1,2,4-Trichlorobenzene	1.33	0.2	0.0123	
4-Chloro-3-methylphenol	2.03	0.2	0.0244	
Acenaphthene	1.27	0.02	0.0034	
4-Nitrophenol	1.19	1	0.118	
2,4-Dinitrotoluene	1.15	0.2	0.0574	
Pentachlorophenol	1.37	0.2	0.2	
Pyrene	1.1	0.02	0.0029	

STL Seattle

Lab ID:	Blank Spike Duplicate - DSW1040
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	73.2		2	120
Phenol - d5	48		1	102
Nitrobenzene - d5	123		34	146
2 - Fluorobiphenyl	118		35	143
2,4,6 - Tribromophenol	109		29	151
p - Terphenyl - d14	115		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.86	0.2	0.0046	
2-Chlorophenol	1.82	0.2	0.0421	
1,4-Dichlorobenzene	1.27	0.2	0.0316	
N-nitroso-di-n-propylamine	1.37	0.2	0.0369	
1,2,4-Trichlorobenzene	1.15	0.2	0.0123	
4-Chloro-3-methylphenol	2.14	0.2	0.0244	
Acenaphthene	1.3	0.02	0.0034	
4-Nitrophenol	1.14	1	0.118	
2,4-Dinitrotoluene	1.3	0.2	0.0574	
Pentachlorophenol	1.5	0.2	0.2	
Pyrene	1.21	0.02	0.0029	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SS1285
Date Prepared:	11/30/2004
Date Analyzed:	11/30/2004
QC Batch ID:	SS1285

Semivolatile Organics by USEPA Method 8270

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
Phenol	0	75	76.1	102	54.6	72.8	-33	N
2-Chlorophenol	0	75	78	104	49.2	65.6	-45	N
1,4-Dichlorobenzene	0	50	50.6	101	41.1	82.2	-21	
N-nitroso-di-n-propylamine	0	50	58	116	43.8	87.7	-28	
1,2,4-Trichlorobenzene	0	50	47	93.9	32.8	65.6	-35	N
4-Chloro-3-methylphenol	0	75	63.2	84.3	44.5	59.4	-35	N
Acenaphthene	0	50	58.4	117	44.6	89.1	-27	
4-Nitrophenol	0	75	69.3	92.5	60.5	80.7	-14	
2,4-Dinitrotoluene	0	50	33.3	66.7	25.1	50.2	-28	
Pentachlorophenol	0	75	41.8	55.8	24.5	32.7	-52	
Pyrene	0	50	61.1	122	41.3	82.6	-39	N

STL Seattle

Lab ID:	Blank Spike - SSS1285
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	11/30/2004
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	92.6		36	145
Phenol - d5	101		38	149
Nitrobenzene - d5	92.5		38	141
2 - Fluorobiphenyl	105		42	140
2,4,6 - Tribromophenol	101		28	143
p - Terphenyl - d14	152	N	42	151

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	76.1	5	0.723	
2-Chlorophenol	78	5	0.673	
1,4-Dichlorobenzene	50.6	5	0.841	
N-nitroso-di-n-propylamine	58	5	1.34	
1,2,4-Trichlorobenzene	47	5	0.849	
4-Chloro-3-methylphenol	63.2	5	0.893	
Acenaphthene	58.4	2	0.513	
4-Nitrophenol	69.3	50	8.19	
2,4-Dinitrotoluene	33.3	10	1.7	
Pentachlorophenol	41.8	10	1.94	
Pyrene	61.1	2	0.34	

STL Seattle

Lab ID:	Blank Spike Duplicate - DSS1285
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	11/30/2004
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	68.7		36	145
Phenol - d5	70		38	149
Nitrobenzene - d5	57.5		38	141
2 - Fluorobiphenyl	73.5		42	140
2,4,6 - Tribromophenol	59		28	143
p - Terphenyl - d14	117		42	151

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	54.6	5	0.723	
2-Chlorophenol	49.2	5	0.673	
1,4-Dichlorobenzene	41.1	5	0.841	
N-nitroso-di-n-propylamine	43.8	5	1.34	
1,2,4-Trichlorobenzene	32.8	5	0.849	
4-Chloro-3-methylphenol	44.5	5	0.893	
Acenaphthene	44.6	2	0.513	
4-Nitrophenol	60.5	50	8.19	
2,4-Dinitrotoluene	25.1	10	1.7	
Pentachlorophenol	24.5	10	1.94	
Pyrene	41.3	2	0.34	

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
QC Batch ID:	SW1040

Semivolatile Organics by USEPA Method 8270

Compound Name	Sample Result (ug/L)	Spike Amount (ug/L)	MS Result (ug/L)	MS % Rec.	MSD Result (ug/L)	MSD % Rec.	RPD	Flag
Phenol	0	1.7	0.295	17.3	0.256	18	4	
2-Chlorophenol	0	1.7	1.25	73.6	1.03	72.3	-1.8	
1,4-Dichlorobenzene	0	1.14	0.793	69.8	0.859	90.4	26	
N-nitroso-di-n-propylamine	0	1.14	1.2	105	1.11	117	11	
1,2,4-Trichlorobenzene	0	1.14	0.776	68.2	0.878	92.4	30	X7
4-Chloro-3-methylphenol	0	1.7	1.24	72.8	1.06	74.4	2.2	
Acenaphthene	0	1.14	1.12	98.6	1.03	108	9.1	
4-Nitrophenol	0	1.7	0.815	47.8	0.353	24.8	-63	X7
2,4-Dinitrotoluene	0	1.14	1.03	90.6	0.933	98.2	8.1	
Pentachlorophenol	0	1.7	1.58	92.9	1.21	85.1	-8.8	
Pyrene	0	1.14	1.06	93.4	1.02	108	14	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA13BDW - ms
Lab ID:	125060S01
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	34.3		2	120
Phenol - d5	19.3		1	102
Nitrobenzene - d5	105		34	146
2 - Fluorobiphenyl	99.9		35	143
2,4,6 - Tribromophenol	109		29	151
p - Terphenyl - d14	118		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.295	0.227	0.00523	
2-Chlorophenol	1.25	0.227	0.0478	
1,4-Dichlorobenzene	0.793	0.227	0.0359	
N-nitroso-di-n-propylamine	1.2	0.227	0.0419	
1,2,4-Trichlorobenzene	0.776	0.227	0.014	
4-Chloro-3-methylphenol	1.24	0.227	0.0277	
Acenaphthene	1.12	0.0227	0.00386	
4-Nitrophenol	0.815	1.14	0.134	J
2,4-Dinitrotoluene	1.03	0.227	0.0652	
Pentachlorophenol	1.58	0.227	0.227	
Pyrene	1.06	0.0227	0.0033	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA13BDW - msd
Lab ID:	125060D01
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	11/30/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	28.2		2	120
Phenol - d5	16.4		1	102
Nitrobenzene - d5	109		34	146
2 - Fluorobiphenyl	97.2		35	143
2,4,6 - Tribromophenol	100		29	151
p - Terphenyl - d14	105		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.256	0.19	0.00437	
2-Chlorophenol	1.03	0.19	0.04	
1,4-Dichlorobenzene	0.859	0.19	0.03	
N-nitroso-di-n-propylamine	1.11	0.19	0.0351	
1,2,4-Trichlorobenzene	0.878	0.19	0.0117	
4-Chloro-3-methylphenol	1.06	0.19	0.0232	
Acenaphthene	1.03	0.019	0.00323	
4-Nitrophenol	0.353	0.951	0.112	J
2,4-Dinitrotoluene	0.933	0.19	0.0546	
Pentachlorophenol	1.21	0.19	0.19	
Pyrene	1.02	0.019	0.00276	

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041122SGA17SS
Lab ID:	125059-15
Date Prepared:	11/30/2004
Date Analyzed:	12/7/2004
QC Batch ID:	SS1285

Semivolatile Organics by USEPA Method 8270

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Phenol	0	83.4	80.4	96.4	74	88.4	-8.7	
2-Chlorophenol	0	83.4	57.4	68.8	60.3	72	4.5	
1,4-Dichlorobenzene	0	55.6	31.7	56.9	27.7	49.6	-14	
N-nitroso-di-n-propylamine	0	55.6	84.8	153	70	125	-20	X7
1,2,4-Trichlorobenzene	0	55.6	28.6	51.4	27.8	49.8	-3.2	X7
4-Chloro-3-methylphenol	0	83.4	108	129	0	0	-200	X7
Acenaphthene	300	55.6	2660	4250	313	31.2	-200	X7a
4-Nitrophenol	0	83.4	0	0	0	0	0	X7
2,4-Dinitrotoluene	0	55.6	0	0	0	0	0	X7
Pentachlorophenol	0	83.4	0	0	0	0	0	X7
Pyrene	22000	55.6	27000	9190	12900	0	-200	X7a

STL Seattle

Client Name:	URS Corporation
Client ID:	041122SGA17SS - ms
Lab ID:	125059S15
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/7/2004
% Solids	86.16
Dilution Factor	10

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	76.1		36	145
Phenol - d5	91.8		38	149
Nitrobenzene - d5	92.4		38	141
2 - Fluorobiphenyl	88.9		42	140
2,4,6 - Tribromophenol	128		28	143
p - Terphenyl - d14	64		42	151

Sample results are on a dry weight basis.

Analyte		**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol		80.4	55.6	8.04	
2-Chlorophenol		57.4	55.6	7.48	
1,4-Dichlorobenzene		31.7	55.6	9.35	J
N-nitroso-di-n-propylamine		84.8	55.6	14.9	
1,2,4-Trichlorobenzene		28.6	55.6	9.44	J
4-Chloro-3-methylphenol		108	55.6	9.93	
Acenaphthene		2660	22.2	5.7	
4-Nitrophenol	ND		556	91.1	
2,4-Dinitrotoluene	ND		111	18.9	
Pentachlorophenol	ND		111	21.6	
Pyrene		27000	22.2	3.78	

STL Seattle

Client Name:	URS Corporation
Client ID:	041122SGA17SS - msd
Lab ID:	125059D15
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/7/2004
% Solids	86.16
Dilution Factor	10

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	77.9		36	145
Phenol - d5	85		38	149
Nitrobenzene - d5	62.6		38	141
2 - Fluorobiphenyl	75.6		42	140
2,4,6 - Tribromophenol	281	X9	28	143
p - Terphenyl - d14	88		42	151

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	74	55.8	8.07	
2-Chlorophenol	60.3	55.8	7.51	
1,4-Dichlorobenzene	27.7	55.8	9.39	J
N-nitroso-di-n-propylamine	70	55.8	15	
1,2,4-Trichlorobenzene	27.8	55.8	9.47	J
4-Chloro-3-methylphenol	ND	55.8	9.97	
Acenaphthene	313	22.3	5.72	
4-Nitrophenol	ND	558	91.4	
2,4-Dinitrotoluene	ND	112	19	
Pentachlorophenol	ND	112	21.6	
Pyrene	12900	22.3	3.79	

STL Seattle

Lab ID:	Method Blank - STN0119
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	131		42	192

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	ND	2	0.751	
Tributyltin	ND	2.67	0.923	
Dibutyltin	ND	2	0.731	
Monobutyltin	ND	1.33	0.521	

STL Seattle

Lab ID:	Method Blank - WTN0193
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	112		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tetrabutyltin	ND	0.002	0.000606	
Tributyltin	ND	0.0014	0.000447	
Dibutyltin	ND	0.0008	0.000233	
Monobutyltin	ND	0.0004	0.000115	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	STN0119
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
QC Batch ID:	STN0119

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
Tetrabutyltin	0	133	73	54.7	80.5	60.4	9.9	
Tributyltin	0	119	85.4	71.9	96.9	81.6	13	
Dibutyltin	0	102	70.4	69	76.7	75.1	8.5	
Monobutyltin	0	83.1	51.8	62.3	56.2	67.6	8.2	

STL Seattle

Client Name	0
Client ID:	
Lab ID:	SSTN0119
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	110		42	192

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	73	2	0.751	
Tributyltin	85.4	2.67	0.923	
Dibutyltin	70.4	2	0.731	
Monobutyltin	51.8	1.33	0.521	

STL Seattle

Client Name	0
Client ID:	
Lab ID:	DSTN0119
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	120		42	192

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	80.5	2	0.751	
Tributyltin	96.9	2.67	0.923	
Dibutyltin	76.7	2	0.731	
Monobutyltin	56.2	1.33	0.521	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	WTN0193
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
QC Batch ID:	WTN0193

Organotins by GC/MS (PSEP) Protocol

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
Tetrabutyltin	0	0.2	0.111	55.6	0.116	57.8	3.9	
Tributyltin	0	0.178	0.128	72.1	0.141	78.9	9	
Dibutyltin	0	0.153	0.103	67.1	0.11	71.4	6.2	
Monobutyltin	0	0.125	0.0719	57.7	0.0723	58	0.52	

STL Seattle

Lab ID:	Blank Spike - SWTN0193
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	95.4		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tetrabutyltin	0.111	0.002	0.000606	
Tributyltin	0.128	0.0014	0.000447	
Dibutyltin	0.103	0.0008	0.000233	
Monobutyltin	0.0719	0.0004	0.000115	

STL Seattle

Lab ID:	Blank Spike Duplicate - DWTN0193
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	109		46	173

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Tetrabutyltin	0.116	0.002	0.000606	
Tributyltin	0.141	0.0014	0.000447	
Dibutyltin	0.11	0.0008	0.000233	
Monobutyltin	0.0723	0.0004	0.000115	

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041122SGA24SG
Lab ID:	125059-01
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
QC Batch ID:	STN0119

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Tetrabutyltin	0	128	107	83.8	114	88	4.9	
Tributyltin	0	114	70	61.3	94.1	81.7	29	X7
Dibutyltin	0	98.1	39.3	40	44.5	44.9	12	
Monobutyltin	0	79.9	29.8	37.3	39.3	48.8	27	

STL Seattle

Client Name	URS Corporation
Client ID:	041122SGA24SG - ms
Lab ID:	125059S01
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	97.73
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	84.3		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	107	1.92	0.721	
Tributyltin	70	2.56	0.886	
Dibutyltin	39.3	1.92	0.702	
Monobutyltin	29.8	1.28	0.5	

STL Seattle

Client Name	URS Corporation
Client ID:	041122SGA24SG - msd
Lab ID:	125059D01
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	97.73
Dilution Factor	20

Organotins by GC/MS Ion Trap Full Scan (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	91		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	114	1.94	0.728	
Tributyltin	94.1	2.59	0.895	
Dibutyltin	44.5	1.94	0.709	
Monobutyltin	39.3	1.29	0.505	

STL Seattle

Lab ID:	Method Blank - PE1805
Date Received:	-
Date Prepared:	12/7/2004
Date Analyzed:	12/9/2004
% Solids	
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	74.7		47	144
Decachlorobiphenyl	84.6		51	149

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND	1	0.103	
alpha-BHC	ND	1	0.1	
beta-BHC	ND	1	0.111	
delta-BHC	ND	1	0.1	
gamma-BHC (Lindane)	ND	1	0.12	
4,4'-DDD	ND	2	0.204	
4,4'-DDE	ND	2	0.2	
4,4'-DDT	ND	2	0.235	
Dieldrin	ND	2	0.243	
Endosulfan I	ND	1	0.112	
Endosulfan II	ND	2	0.255	
Endosulfan sulfate	ND	2	0.478	
Endrin	ND	2	0.125	
Endrin aldehyde	ND	2	0.58	
Heptachlor	ND	1	0.1	
Heptachlor epoxide	ND	1	0.137	
Methoxychlor	ND	10	0.144	
Endrin ketone	ND	2	0.112	
Toxaphene	ND	100	10	
alpha-Chlordane	ND	1	0.108	
gamma-Chlordane	ND	1	0.121	

STL Seattle

Lab ID:	Method Blank - PW0295
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

Organochlorine Pesticides by USEPA Methods 8081A

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tetrachloro-m-xylene	66.5		47	136
Decachlorobiphenyl	69.4		56	145

Analyte	Result (ug/L)	RL	MDL	Flags
Aldrin	ND	0.001	0.000115	
alpha-BHC	ND	0.001	0.000368	
beta-BHC	ND	0.001	0.000427	
delta-BHC	ND	0.001	0.000235	
gamma-BHC (Lindane)	ND	0.001	0.00072	
4,4'-DDD	ND	0.004	0.000471	
4,4'-DDE	ND	0.004	0.00039	
4,4'-DDT	ND	0.004	0.0005	
Dieldrin	ND	0.002	0.000302	
Endosulfan I	ND	0.001	0.000499	
Endosulfan II	ND	0.002	0.000378	
Endosulfan sulfate	ND	0.002	0.000537	
Endrin	ND	0.002	0.00031	
Endrin aldehyde	ND	0.002	0.000973	
Heptachlor	ND	0.001	0.000753	
Heptachlor epoxide	ND	0.001	0.000374	
Methoxychlor	ND	0.01	0.000537	
Endrin ketone	ND	0.002	0.000345	
Toxaphene	ND	0.1	0.0117	
alpha-Chlordane	ND	0.001	0.000352	
gamma-Chlordane	ND	0.001	0.000479	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	PE1805
Date Prepared:	12/7/2004
Date Analyzed:	12/9/2004
QC Batch ID:	PE1805

Organochlorine Pesticides by EPA Method 8081A

Compound Name	Blank Result (ug/kg)	Spike Amount (ug/kg)	BS Result (ug/kg)	BS % Rec.	BSD Result (ug/kg)	BSD % Rec.	RPD	Flag
Aldrin	0	20	17.9	89.3	18	89.8	0.56	
alpha-BHC	0	20	16.4	82	16.2	81.2	-0.98	
beta-BHC	0	20	15.9	79.7	15.9	79.6	-0.13	
delta-BHC	0	20	17	85	17.1	85.4	0.47	
gamma-BHC (Lindane)	0	20	16.4	81.8	16.4	81.9	0.12	
4,4'-DDD	0	20	20.7	103	21.8	109	5.7	
4,4'-DDE	0	20	17.7	88.6	17.8	88.9	0.34	
4,4'-DDT	0	20	20.2	101	20.5	102	0.99	
Dieldrin	0	20	18.9	94.4	19.1	95.6	1.3	
Endosulfan I	0	20	17.3	86.7	17.3	86.7	0	
Endosulfan II	0	20	20.9	105	22	110	4.7	
Endosulfan sulfate	0	20	16.3	81.3	16.2	80.8	-0.62	
Endrin	0	20	21	105	21.5	107	1.9	
Endrin aldehyde	0	20	16.6	82.8	17.2	86.1	3.9	
Heptachlor	0	20	17.8	88.9	17.6	88	-1	
Heptachlor epoxide	0	20	16.5	82.3	16.7	83.7	1.7	
Methoxychlor	0	20	16.8	84	16.8	83.8	-0.24	
Endrin ketone	0	20	14.1	70.3	14.3	71.7	2	
alpha-Chlordane	0	20	15.6	78.1	16.2	81	3.6	
gamma-Chlordane	0	20	16.2	81.1	16.5	82.7	2	

STL Seattle

Lab ID:	Blank Spike - SPE1805
Date Received:	-
Date Prepared:	12/7/2004
Date Analyzed:	12/9/2004
% Solids	
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	69.3		47	144
Decachlorobiphenyl	90.5		51	149

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	17.9	1	0.103	C1
alpha-BHC	16.4	1	0.1	C1
beta-BHC	15.9	1	0.111	C1
delta-BHC	17	1	0.1	C1
gamma-BHC (Lindane)	16.4	1	0.12	C1
4,4'-DDD	20.7	2	0.204	C1
4,4'-DDE	17.7	2	0.2	C1
4,4'-DDT	20.2	2	0.235	C1
Dieldrin	18.9	2	0.243	C1
Endosulfan I	17.3	1	0.112	C1
Endosulfan II	20.9	2	0.255	C1
Endosulfan sulfate	16.3	2	0.478	C1
Endrin	21	2	0.125	C1
Endrin aldehyde	16.6	2	0.58	C1
Heptachlor	17.8	1	0.1	C1
Heptachlor epoxide	16.5	1	0.137	C1
Methoxychlor	16.8	10	0.144	C1
Endrin ketone	14.1	2	0.112	C1
alpha-Chlordane	15.6	1	0.108	C1
gamma-Chlordane	16.2	1	0.121	C1

STL Seattle

Lab ID:	Blank Spike Duplicate - DPE1805
Date Received:	-
Date Prepared:	12/7/2004
Date Analyzed:	12/9/2004
% Solids	
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	72.2		47	144
Decachlorobiphenyl	87.1		51	149

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	18	1	0.103	C1
alpha-BHC	16.2	1	0.1	C1
beta-BHC	15.9	1	0.111	C1
delta-BHC	17.1	1	0.1	C1
gamma-BHC (Lindane)	16.4	1	0.12	C1
4,4'-DDD	21.8	2	0.204	C1
4,4'-DDE	17.8	2	0.2	C1
4,4'-DDT	20.5	2	0.235	C1
Dieldrin	19.1	2	0.243	C1
Endosulfan I	17.3	1	0.112	C1
Endosulfan II	22	2	0.255	C1
Endosulfan sulfate	16.2	2	0.478	C1
Endrin	21.5	2	0.125	C1
Endrin aldehyde	17.2	2	0.58	C1
Heptachlor	17.6	1	0.1	C1
Heptachlor epoxide	16.7	1	0.137	C1
Methoxychlor	16.8	10	0.144	C1
Endrin ketone	14.3	2	0.112	C1
alpha-Chlordane	16.2	1	0.108	C1
gamma-Chlordane	16.5	1	0.121	C1

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	PW0295
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
QC Batch ID:	PW0295

Organochlorine Pesticides by USEPA Methods 8081A

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
Aldrin	0	0.02	0.0162	81.1	0.0172	86.1	6	
alpha-BHC	0	0.02	0.0166	83	0.0172	86.2	3.8	
beta-BHC	0	0.02	0.0169	84.5	0.0174	87.1	3	
delta-BHC	0	0.02	0.0148	74.2	0.0158	78.8	6	
gamma-BHC (Lindane)	0	0.02	0.0171	85.3	0.0183	91.3	6.8	
4,4'-DDD	0	0.02	0.0138	68.8	0.0147	73.6	6.7	
4,4'-DDE	0	0.02	0.0164	81.8	0.0177	88.5	7.9	
4,4'-DDT	0	0.02	0.0205	103	0.0215	107	3.8	
Dieldrin	0	0.02	0.016	80	0.0179	89.6	11	
Endosulfan I	0	0.02	0.0164	82	0.0189	94.4	14	
Endosulfan II	0	0.02	0.0175	87.4	0.0194	97.2	11	
Endosulfan sulfate	0	0.02	0.0155	77.5	0.0164	82.1	5.8	
Endrin	0	0.02	0.0199	99.3	0.0204	102	2.7	
Endrin aldehyde	0	0.02	0.0134	66.8	0.014	70.2	5	
Heptachlor	0	0.02	0.0161	80.5	0.0174	87	7.8	
Heptachlor epoxide	0	0.02	0.0162	81.1	0.017	84.9	4.6	
Methoxychlor	0	0.02	0.025	125	0.0265	132	5.4	
Endrin ketone	0	0.02	0.0182	91.2	0.0185	92.6	1.5	
alpha-Chlordane	0	0.02	0.0233	116	0.0154	77	-40	
gamma-Chlordane	0	0.02	0.0159	79.4	0.0172	86.1	8.1	

STL Seattle

Client Name	0
Client ID:	
Lab ID:	SPW0295
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

Organochlorine Pesticides by USEPA Methods 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	70.8		47	136
Decachlorobiphenyl	35.4	N	56	145

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aldrin	0.0162	0.001	0.000115	C1
alpha-BHC	0.0166	0.001	0.000368	C1
beta-BHC	0.0169	0.001	0.000427	C1
delta-BHC	0.0148	0.001	0.000235	C1
gamma-BHC (Lindane)	0.0171	0.001	0.00072	C1
4,4'-DDD	0.0138	0.004	0.000471	C1
4,4'-DDE	0.0164	0.004	0.00039	C1
4,4'-DDT	0.0205	0.004	0.0005	C1
Dieldrin	0.016	0.002	0.000302	C1
Endosulfan I	0.0164	0.001	0.000499	C1
Endosulfan II	0.0175	0.002	0.000378	C1
Endosulfan sulfate	0.0155	0.002	0.000537	C1
Endrin	0.0199	0.002	0.00031	C1
Endrin aldehyde	0.0134	0.002	0.000973	C2
Heptachlor	0.0161	0.001	0.000753	C1
Heptachlor epoxide	0.0162	0.001	0.000374	C1
Methoxychlor	0.025	0.01	0.000537	C1
Endrin ketone	0.0182	0.002	0.000345	C1
alpha-Chlordane	0.0233	0.001	0.000352	C2
gamma-Chlordane	0.0159	0.001	0.000479	C1

STL Seattle

Client Name	0
Client ID:	
Lab ID:	DPW0295
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

Organochlorine Pesticides by USEPA Methods 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	76.4		47	136
Decachlorobiphenyl	51.8	N	56	145

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aldrin	0.0172	0.001	0.000115	C1
alpha-BHC	0.0172	0.001	0.000368	C1
beta-BHC	0.0174	0.001	0.000427	C1
delta-BHC	0.0158	0.001	0.000235	C1
gamma-BHC (Lindane)	0.0183	0.001	0.00072	C1
4,4'-DDD	0.0147	0.004	0.000471	C1
4,4'-DDE	0.0177	0.004	0.00039	C1
4,4'-DDT	0.0215	0.004	0.0005	C1
Dieldrin	0.0179	0.002	0.000302	C1
Endosulfan I	0.0189	0.001	0.000499	C1
Endosulfan II	0.0194	0.002	0.000378	C1
Endosulfan sulfate	0.0164	0.002	0.000537	C1
Endrin	0.0204	0.002	0.00031	C1
Endrin aldehyde	0.014	0.002	0.000973	C2
Heptachlor	0.0174	0.001	0.000753	C1
Heptachlor epoxide	0.017	0.001	0.000374	C1
Methoxychlor	0.0265	0.01	0.000537	C1
Endrin ketone	0.0185	0.002	0.000345	C1
alpha-Chlordane	0.0154	0.001	0.000352	C2
gamma-Chlordane	0.0172	0.001	0.000479	C1

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041123SGA29SS
Lab ID:	125060-04
Date Prepared:	12/7/2004
Date Analyzed:	12/10/2004
QC Batch ID:	PE1805

Organochlorine Pesticides by EPA Method 8081A

Compound Name	Sample Result (ug/kg)	Spike Amount (ug/kg)	MS Result (ug/kg)	MS % Rec.	MSD Result (ug/kg)	MSD % Rec.	RPD	Flag
Aldrin	0	20.2	16.4	81.1	17.5	87.3	7.4	
alpha-BHC	0	20.2	15.5	76.5	16.2	80.6	5.2	
beta-BHC	0	20.2	14.7	72.5	15.9	79.1	8.7	
delta-BHC	0	20.2	14.9	73.6	16.7	83.4	12	
gamma-BHC (Lindane)	0	20.2	15.5	76.4	16.3	81.3	6.2	
4,4'-DDD	0	20.2	17.2	84.8	20	99.9	16	
4.4'-DDE	0	20.2	15.1	74.5	17.1	85.2	13	
4,4'-DDT	0	20.2	17.9	88.7	20.5	102	14	
Dieldrin	0	20.2	16.5	81.5	18.2	90.7	11	
Endosulfan I	0	20.2	14.3	70.5	16.4	81.6	15	
Endosulfan II	0	20.2	18	89	20.4	102	14	
Endosulfan sulfate	0	20.2	13.1	64.8	15.5	77	17	
Endrin	0	20.2	18.7	92.3	21	105	13	
Endrin aldehyde	0	20.2	12.9	63.6	15.9	79.3	22	
Heptachlor	0	20.2	16.1	79.4	16.9	84.5	6.2	
Heptachlor epoxide	0	20.2	15.5	76.7	16.7	83.1	8	
Methoxychlor	0	20.2	13.4	66.3	15.7	78.3	17	
Endrin ketone	0	20.2	10.8	53.4	12.9	64.1	18	
alpha-Chlordane	0	20.2	14	69.3	15.7	78.5	12	
gamma-Chlordane	0	20.2	14.1	69.6	15.9	79.3	13	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA29SS - ms
Lab ID:	125060S04
Date Received:	11/24/2004
Date Prepared:	12/7/2004
Date Analyzed:	12/10/2004
% Solids	93.13
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	84.6		47	144
Decachlorobiphenyl	68.1		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	16.4	1.01	0.104	C1
alpha-BHC	15.5	1.01	0.101	C1
beta-BHC	14.7	1.01	0.112	C1
delta-BHC	14.9	1.01	0.101	C1
gamma-BHC (Lindane)	15.5	1.01	0.121	C1
4,4'-DDD	17.2	2.02	0.206	C2
4,4'-DDE	15.1	2.02	0.202	C1
4,4'-DDT	17.9	2.02	0.238	C1
Dieldrin	16.5	2.02	0.246	C1
Endosulfan I	14.3	1.01	0.113	C1
Endosulfan II	18	2.02	0.258	C1
Endosulfan sulfate	13.1	2.02	0.484	C1
Endrin	18.7	2.02	0.126	C1
Endrin aldehyde	12.9	2.02	0.587	C2
Heptachlor	16.1	1.01	0.101	C1
Heptachlor epoxide	15.5	1.01	0.139	C1
Methoxychlor	13.4	10.1	0.146	C1
Endrin ketone	10.8	2.02	0.113	C1
alpha-Chlordane	14	1.01	0.109	C1
gamma-Chlordane	14.1	1.01	0.122	C1

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA29SS - msd
Lab ID:	125060D04
Date Received:	11/24/2004
Date Prepared:	12/7/2004
Date Analyzed:	12/10/2004
% Solids	93.13
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	87.5		47	144
Decachlorobiphenyl	84.9		51	149

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	17.5	1	0.103	C1
alpha-BHC	16.2	1	0.1	C1
beta-BHC	15.9	1	0.111	C1
delta-BHC	16.7	1	0.1	C1
gamma-BHC (Lindane)	16.3	1	0.12	C1
4,4'-DDD	20	2.01	0.205	C1
4,4'-DDE	17.1	2.01	0.201	C1
4,4'-DDT	20.5	2.01	0.236	C1
Dieldrin	18.2	2.01	0.244	C1
Endosulfan I	16.4	1	0.112	C1
Endosulfan II	20.4	2.01	0.256	C1
Endosulfan sulfate	15.5	2.01	0.48	C1
Endrin	21	2.01	0.125	C1
Endrin aldehyde	15.9	2.01	0.582	C1
Heptachlor	16.9	1	0.1	C1
Heptachlor epoxide	16.7	1	0.137	C1
Methoxychlor	15.7	10	0.144	C1
Endrin ketone	12.9	2.01	0.112	C1
alpha-Chlordane	15.7	1	0.108	C1
gamma-Chlordane	15.9	1	0.121	C1

STL Seattle

Lab ID:	Method Blank - PBW0304
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	87.3		32	134
Decachlorobiphenyl	124		55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.01	0.00219	
Aroclor 1221	ND	0.01	0.00219	
Aroclor 1232	ND	0.01	0.00219	
Aroclor 1242	ND	0.01	0.00219	
Aroclor 1248	ND	0.01	0.00219	
Aroclor 1254	ND	0.01	0.00241	
Aroclor 1260	ND	0.01	0.00241	

STL Seattle

Lab ID:	Method Blank - PB0859
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	12/2/2004
% Solids	
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	96		60	123
Decachlorobiphenyl	129	N	65	126

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.01	0.00295	
Aroclor 1221	ND	0.01	0.00295	
Aroclor 1232	ND	0.01	0.00295	
Aroclor 1242	ND	0.01	0.00295	
Aroclor 1248	ND	0.01	0.00295	
Aroclor 1254	ND	0.01	0.00162	
Aroclor 1260	ND	0.01	0.00162	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	PBW0304
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
QC Batch ID:	PBW0304

PCBs by EPA Method 8082

Compound Name	Blank Result (ug/L)	Spike Amount (ug/L)	BS Result (ug/L)	BS % Rec.	BSD Result (ug/L)	BSD % Rec.	RPD	Flag
Aroclor 1242	0	0.1	0.0992	99.2	0.1	100	0.8	
Aroclor 1260	0	0.1	0.106	106	0.109	109	2.8	

STL Seattle

Lab ID:	Blank Spike - SPBW0304
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	89.4		32	134
Decachlorobiphenyl	126		55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.0992	0.01	0.00219	C1
Aroclor 1260	0.106	0.01	0.00241	C1

STL Seattle

Lab ID:	Blank Spike Duplicate - DPBW0304
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	12/1/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	91.3		32	134
Decachlorobiphenyl	128		55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.1	0.01	0.00219	C1
Aroclor 1260	0.109	0.01	0.00241	C1

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	PB0859
Date Prepared:	11/30/2004
Date Analyzed:	12/2/2004
QC Batch ID:	PB0859

PCBs by EPA Method 8082

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Aroclor 1242	0	0.1	0.106	106	0.104	104	-1.9	
Aroclor 1260	0	0.1	0.115	115	0.115	115	0	

STL Seattle

Lab ID:	Blank Spike - SPB0859
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	12/2/2004
% Solids	
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	96.9		60	123
Decachlorobiphenyl	131	N	65	126

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.106	0.01	0.00295	C1
Aroclor 1260	0.115	0.01	0.00162	C1

STL Seattle

Lab ID:	Blank Spike Duplicate - DPB0859
Date Received:	-
Date Prepared:	11/30/2004
Date Analyzed:	12/2/2004
% Solids	
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	96.1		60	123
Decachlorobiphenyl	130	N	65	126

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.104	0.01	0.00295	C1
Aroclor 1260	0.115	0.01	0.00162	C1

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041122SGA17SS
Lab ID:	125059-15
Date Prepared:	11/30/2004
Date Analyzed:	12/2/2004
QC Batch ID:	PB0859

PCBs by EPA Method 8082

Compound Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	MSD Result (mg/kg)	MSD % Rec.	RPD	Flag
Aroclor 1242	0	0.11	0.0947	85.7	0.1	94.4	9.7	X7
Aroclor 1260	0.026	0.11	0.138	101	0.13	97.6	-3.4	

STL Seattle

Client Name:	URS Corporation
Client ID:	041122SGA17SS - ms
Lab ID:	125059S15
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/2/2004
% Solids	86.16
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	95		60	123
Decachlorobiphenyl	129	N	65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.0947	0.011	0.00326	C1
Aroclor 1260	0.138	0.011	0.00179	C1

STL Seattle

Client Name:	URS Corporation
Client ID:	041122SGA17SS - msd
Lab ID:	125059D15
Date Received:	11/24/2004
Date Prepared:	11/30/2004
Date Analyzed:	12/2/2004
% Solids	86.16
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	95.6		60	123
Decachlorobiphenyl	129	N	65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.1	0.0106	0.00313	C1
Aroclor 1260	0.13	0.0106	0.00172	C1

STL Seattle

Lab ID:	Method Blank - GB4029
Date Received:	-
Date Prepared:	11/30/04
Date Analyzed:	12/1/04
% Solids	
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	103		50	150
1-Chloro-3-fluorobenzene	110		50	150
Bromofluorobenzene	109		50	150
Pentafluorobenzene	84		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	0.871	4	0.114	J

STL Seattle

Lab ID:	Method Blank - GB4030
Date Received:	-
Date Prepared:	12/3/04
Date Analyzed:	12/3/04
% Solids	-
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	91.9		50	150
1-Chloro-3-fluorobenzene	99.7		50	150
Bromofluorobenzene	96.7		50	150
Pentafluorobenzene	77.4		50	150

Analyte	**Result (mg/L)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	0.0195	0.1	0.00284	J

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	GB4029
Date Prepared:	11/30/04
Date Analyzed:	12/1/04
QC Batch ID:	GB4029

Gasoline Range Organics by Method NWTPH-Gx

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Gasoline by NWTPH-G	0.87	50	49.9	98.2	51.9	102	3.8	

STL Seattle

Lab ID:	Blank Spike - SGB4029
Date Received:	-
Date Prepared:	11/30/04
Date Analyzed:	12/1/04
% Solids	
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	109		50	150
1-Chloro-3-fluorobenzene	110		50	150
Bromofluorobenzene	110		50	150
Pentafluorobenzene	101		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	49.9	4	0.114	B2

STL Seattle

Lab ID:	Blank Spike Duplicate - DGB4029
Date Received:	-
Date Prepared:	11/30/04
Date Analyzed:	12/1/04
% Solids	
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	109		50	150
1-Chloro-3-fluorobenzene	109		50	150
Bromofluorobenzene	109		50	150
Pentafluorobenzene	101		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	51.9	4	0.114	B2

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	GB4030
Date Prepared:	12/3/04
Date Analyzed:	12/3/04
QC Batch ID:	GB4030

Gasoline Range Organics by Method NWTPH-Gx

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
Gasoline by NWTPH-G	0.019	1.25	1.25	98.8	1.21	95	-3.9	

STL Seattle

Lab ID:	Blank Spike - SGB4030
Date Received:	-
Date Prepared:	12/3/04
Date Analyzed:	12/3/04
% Solids	-
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	105		50	150
1-Chloro-3-fluorobenzene	108		50	150
Bromofluorobenzene	104		50	150
Pentafluorobenzene	105		50	150

Analyte	**Result (mg/L)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	1.25	0.1	0.00284	B2

STL Seattle

Lab ID:	Blank Spike Duplicate - DGB4030
Date Received:	-
Date Prepared:	12/3/04
Date Analyzed:	12/3/04
% Solids	-
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	101		50	150
1-Chloro-3-fluorobenzene	103		50	150
Bromofluorobenzene	101		50	150
Pentafluorobenzene	102		50	150

Analyte	**Result (mg/L)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	1.21	0.1	0.00284	B2

STL Seattle

Lab ID:	Method Blank - DW0703
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	99.8		50	150

Analyte	Result (mg/L)	RL	MDL	Flags
#2 Diesel	ND	0.25	0.0766	
Motor Oil	0.145	0.5	0.0949	J

STL Seattle

Lab ID:	Method Blank - DS1352
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	104		50	150

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
#2 Diesel	ND	25	4.78	
Motor Oil	ND	50	9.53	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	DW0703
Date Prepared:	11/29/2004
Date Analyzed:	12/2/2004
QC Batch ID:	DW0703

Diesel and Motor Oil by NWTPH-Dx Modified

Compound Name	Blank Result (mg/L)	Spike Amount (mg/L)	BS Result (mg/L)	BS % Rec.	BSD Result (mg/L)	BSD % Rec.	RPD	Flag
#2 Diesel	0.0078	5	4.84	96.6	5.41	108	11	
Motor Oil	0.15	5	4.47	86.6	5.17	100	14	

STL Seattle

Lab ID:	Blank Spike - SDW0703
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	123		50	150

Analyte	Result (mg/L)	RL	MDL	Flags
#2 Diesel	4.84	0.25	0.0766	
Motor Oil	4.47	0.5	0.0949	B2

STL Seattle

Lab ID:	Blank Spike Duplicate - DDW0703
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
o-terphenyl	122		50	150

Analyte	**Result (mg/L)**	**RL**	**MDL**	**Flags**
#2 Diesel	5.41	0.25	0.0766	
Motor Oil	5.17	0.5	0.0949	B2

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	DS1352
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
QC Batch ID:	DS1352

Diesel and Motor Oil by NWTPH-Dx Modified

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
#2 Diesel	0	500	466	93.1	390	77.9	-18	N
Motor Oil	0	500	478	95.5	402	80.3	-17	

STL Seattle

Lab ID:	Blank Spike - SDS1352
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	101		50	150

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
#2 Diesel	466	25	4.78	
Motor Oil	478	50	9.53	

STL Seattle

Lab ID:	Blank Spike Duplicate - DDS1352
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	80.8		50	150

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
#2 Diesel	390	25	4.78	
Motor Oil	402	50	9.53	

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041123SGA33SS
Lab ID:	125060-08
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
QC Batch ID:	DS1352

Diesel and Motor Oil by NWTPH-Dx Modified

Compound Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	MSD Result (mg/kg)	MSD % Rec.	RPD	Flag
#2 Diesel	0	591	582	98.4	594	99.6	1.2	
Motor Oil	0	591	615	104	624	105	0.96	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA33SS - ms
Lab ID:	125060S08
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	81.23
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	80.9		50	150

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
#2 Diesel	582	29.5	5.65	
Motor Oil	615	59.1	11.3	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA33SS - msd
Lab ID:	125060D08
Date Received:	11/24/2004
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	81.23
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

Surrogate	% Recovery	Flags	Recovery Limits Low	High
o-terphenyl	88.8		50	150

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
#2 Diesel	594	29.8	5.69	
Motor Oil	624	59.5	11.3	

STL Seattle

Duplicate Report

Client Sample ID:	041123SGA31SS
Lab ID:	125060-06
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
QC Batch ID:	DS1352

Diesel and Motor Oil by NWTPH-Dx Modified

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
#2 Diesel	0	12.6	-200.0	x4a
Motor Oil	0	0	NC	

STL Seattle

Client Name:	URS Corporation
Client ID:	041123SGA31SS - dup
Lab ID:	125060R06
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	12/1/2004
% Solids	77.35
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
o-terphenyl	86.1		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
#2 Diesel	12.6	30.8	5.88	J
Motor Oil	ND	61.5	11.7	

STL Seattle

Lab ID:	Method Blank - TP774
Date Received:	-
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte		Result (mg/L)	RL	MDL	Flags
Aluminum	ND		0.1	0.00588	
Calcium		0.009	1	0.00868	J
Cobalt	ND		0.005	0.00077	
Iron	ND		0.1	0.014	
Magnesium	ND		1	0.0123	
Nickel	ND		0.01	0.00037	
Potassium	ND		1	0.0813	
Sodium	ND		1	0.118	
Vanadium	ND		0.01	0.000488	

STL Seattle

Lab ID:	Method Blank - TP774
Date Received:	-
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP-MS - USEPA Method 6020

Analyte		Result (mg/L)	RL	MDL	Flags
Arsenic	ND		0.0005	0.000102	
Antimony	ND		0.0005	0.0000271	
Barium		0.000026	0.0005	0.0000245	J
Beryllium	ND		0.0005	0.0000782	
Cadmium	ND		0.0005	0.0000247	
Chromium	ND		0.0005	0.0000595	
Copper	ND		0.001	0.0000625	
Lead		0.000037	0.0005	0.000024	J
Manganese		0.000349	0.001	0.0000239	J
Selenium	ND		0.0005	0.000149	
Silver	ND		0.0001	0.0000188	
Thallium	ND		0.0005	0.0000292	
Zinc		0.000389	0.002	0.000108	J

STL Seattle

Lab ID:	Method Blank - ZT217
Date Received:	-
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	MDL	Flags
Mercury	ND	0.0002	0.000053	

STL Seattle

Lab ID:	Method Blank - SP772
Date Received:	-
Date Prepared:	12/1/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Aluminum	ND	10	0.588	
Calcium	ND	100	4.22	
Cobalt	ND	0.5	0.0467	
Iron	ND	10	1.4	
Magnesium	ND	100	1.61	
Nickel	ND	1	0.101	
Potassium	ND	100	7.5	
Sodium	13.1	100	11.8	J
Vanadium	ND	1	0.0238	

00188

STL Seattle

Lab ID:	Method Blank - SP772
Date Received:	-
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	1

Metals by ICP-MS - USEPA Method 6020

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	ND	0.05	0.0102	
Antimony	ND	0.05	0.00271	
Barium	0.0059	0.05	0.00245	J
Beryllium	ND	0.05	0.00782	
Cadmium	ND	0.05	0.00247	
Chromium	0.009	0.05	0.00595	J
Copper	0.0166	0.1	0.00625	J
Lead	0.0075	0.05	0.0024	J
Manganese	0.053	0.1	0.00239	J
Selenium	ND	0.05	0.0149	
Silver	ND	0.01	0.00188	
Thallium	ND	0.05	0.00292	
Zinc	0.0926	0.2	0.0108	J

STL Seattle

Lab ID:	Method Blank - ZS214
Date Received:	-
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
Dilution Factor	1

Mercury by CVAA - USEPA Method 7471

Sample results are on an as received basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	ND	0.02	0.0053	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SP772
Date Prepared:	12/1/04
Date Analyzed:	12/2/04
QC Batch ID:	SP772

Metals by ICP - USEPA Method 6010

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Aluminum	0	400	384	95.9	392	98	2.2	
Iron	0	2200	2140	97.2	2140	97.1	-0.1	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SP772
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
QC Batch ID:	SP772

Metals by ICP-MS - USEPA Method 6020

Compound Name	Blank Result (mg/kg)	Spike Amount (mg/kg)	BS Result (mg/kg)	BS % Rec.	BSD Result (mg/kg)	BSD % Rec.	RPD	Flag
Lead	0.0075	100	104	104	100	100	-3.9	

STL Seattle

Matrix Spike Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Aluminum	0.012	4	3.91	97	
Calcium	10.1	20	29.1	95	
Cobalt	0	1	0.963	96	
Iron	0	22	21.5	98	
Magnesium	3.6	20	22.6	95	
Nickel	0	1	0.953	95	
Potassium	2.31	20	21.6	96	
Sodium	6.95	20	29.3	112	
Vanadium	0.00284	1	0.993	99	

00193

STL Seattle

Matrix Spike Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Arsenic	0	4	4.19	105	
Antimony	0.000112	3	3.08	103	
Barium	0.0022	4	4.1	103	
Beryllium	0	0.1	0.108	108	
Cadmium	0	0.1	0.103	103	
Chromium	0.00561	0.4	0.426	105	
Copper	0.0398	0.5	0.584	109	
Lead	0.000358	1	1.13	113	
Manganese	0.00095	1	1.14	113	
Selenium	0.00065	4	4.21	105	
Silver	0.000023	0.6	0.607	101	
Thallium	0	4	4.25	106	
Zinc	0.0888	1	1.22	113	

STL Seattle

Matrix Spike Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	ZT217

Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Mercury	0	0.002	0.00193	97	

STL Seattle

Matrix Spike Report

Client Sample ID:	041122SGA17SS
Lab ID:	125059-15
Date Prepared:	12/1/04
Date Analyzed:	12/2/04
QC Batch ID:	SP772

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Aluminum	3010	413	3620	148	x7a
Calcium	1980	2070	3980	97	
Cobalt	4.6	103	105	97	
Iron	22200	2270	16100	-269	x7a
Magnesium	1350	2070	3530	106	
Nickel	10.9	103	110	96	
Potassium	273	2070	2240	95	
Sodium	0	2070	2100	102	
Vanadium	28.7	103	130	98	

STL Seattle

Matrix Spike Report

Client Sample ID:	041122SGA17SS
Lab ID:	125059-15
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
QC Batch ID:	SP772

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Arsenic	4.97	413	393	94	
Antimony	1.11	310	300	97	
Barium	20.9	413	430	99	
Beryllium	0.0587	10.3	8.51	82	
Cadmium	0.0561	10.3	10.6	102	
Chromium	16.1	41.3	56.3	97	
Copper	27.4	51.6	73.1	89	
Lead	3260	103	2700	-536	X7a
Manganese	167	103	254	84	
Selenium	0	413	383	93	
Silver	0.0571	62	61.6	99	
Thallium	0.0288	413	418	101	
Zinc	72.1	103	186	110	

STL Seattle

Matrix Spike Report

Client Sample ID:	041122SGA17SS
Lab ID:	125059-15
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
QC Batch ID:	ZS214

Mercury by CVAA - USEPA Method 7471

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Mercury	0.0114	0.222	0.228	97	

STL Seattle

Duplicate Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Aluminum	0.012	0.02	-50.0	x4a
Calcium	10	10	0.0	
Cobalt	0	0	NC	
Iron	0	0	NC	
Magnesium	3.6	3.6	0.0	
Nickel	0	0	NC	
Potassium	2.3	2.3	0.0	
Sodium	7	7.6	-8.2	
Vanadium	0.0028	0.0032	-13.0	

STL Seattle

Duplicate Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Arsenic	0	0	NC	
Antimony	0.00011	0.000097	13.0	
Barium	0.0022	0.0022	0.0	
Beryllium	0	0	NC	
Cadmium	0	0	NC	
Chromium	0.0056	0.005	11.0	
Copper	0.04	0.04	0.0	
Lead	0.00036	0.00034	5.7	
Manganese	0.00095	0.00098	-3.1	
Selenium	0.00065	0.00076	-16.0	
Silver	0.000023	0	200.0	X4a
Thallium	0	0	NC	
Zinc	0.089	0.089	0.0	

STL Seattle

Duplicate Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	ZT217

Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Mercury	0	0	NC	

00201

STL Seattle

Duplicate Report

Client Sample ID:	041122SGA17SS
Lab ID:	125059-15
Date Prepared:	12/1/04
Date Analyzed:	12/2/04
QC Batch ID:	SP772

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Aluminum	3000	3100	-3.3	
Calcium	2000	2200	-9.5	
Cobalt	4.6	4.7	-2.2	
Iron	22000	15000	38.0	x4
Magnesium	1400	1700	-19.0	
Nickel	11	9.5	15.0	
Potassium	270	200	30.0	x4a
Sodium	0	0	NC	
Vanadium	29	28	3.5	

STL Seattle

Duplicate Report

Client Sample ID:	041122SGA17SS
Lab ID:	125059-15
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
QC Batch ID:	SP772

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Arsenic	5	4.6	8.3	
Antimony	1.1	1.1	0.0	
Barium	21	20	4.9	
Beryllium	0.059	0.059	0.0	
Cadmium	0.056	0.057	-1.8	
Chromium	16	16	0.0	
Copper	27	27	0.0	
Lead	3300	3200	3.1	
Manganese	170	160	6.1	
Selenium	0	0	NC	
Silver	0.057	0.056	1.8	
Thallium	0.029	0.024	19.0	
Zinc	72	70	2.8	

STL Seattle

Duplicate Report

Client Sample ID:	041122SGA17SS
Lab ID:	125059-15
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
QC Batch ID:	ZS214

Mercury by CVAA - USEPA Method 7471

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Mercury	0.011	0	200.0	X4a

STL Seattle

Laboratory Control Sample

Lab ID:	RTP774
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	True Value (mg/L)	Lower Limit (mg/L)	Upper Limit (mg/L)	Flag
Aluminum	3.8	4	3.2	4.8	Pass
Calcium	19	20	16	24	Pass
Cobalt	0.97	1	0.8	1.2	Pass
Iron	21	22	17.6	26.4	Pass
Magnesium	19	20	16	24	Pass
Nickel	0.97	1	0.8	1.2	Pass
Potassium	19	20	16	24	Pass
Sodium	21	20	16	24	Pass
Vanadium	0.98	1	0.8	1.2	Pass

STL Seattle

Laboratory Control Sample

Lab ID:	RTP774
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	True Value (mg/L)	Lower Limit (mg/L)	Upper Limit (mg/L)	Flag
Arsenic	4.2	4	3.2	4.8	Pass
Antimony	3.1	3	2.4	3.6	Pass
Barium	4.2	4	3.2	4.8	Pass
Beryllium	0.098	0.1	0.08	0.12	Pass
Cadmium	0.11	0.1	0.08	0.12	Pass
Chromium	0.43	0.4	0.32	0.48	Pass
Copper	0.54	0.5	0.4	0.6	Pass
Lead	1.1	1	0.8	1.2	Pass
Manganese	1.1	1	0.8	1.2	Pass
Selenium	4.3	4	3.2	4.8	Pass
Silver	0.62	0.6	0.48	0.72	Pass
Thallium	4.2	4	3.2	4.8	Pass
Zinc	1.1	1	0.8	1.2	Pass

STL Seattle

Laboratory Control Sample

Lab ID:	RZT217
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	ZT217

Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	True Value (mg/L)	Lower Limit (mg/L)	Upper Limit (mg/L)	Flag
Mercury	0.0018	0.002	0.0016	0.0024	Pass

STL Seattle

Laboratory Control Sample

Lab ID:	RSP772
Date Prepared:	12/1/04
Date Analyzed:	12/2/04
QC Batch ID:	SP772

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	True Value (mg/kg)	Lower Limit (mg/kg)	Upper Limit (mg/kg)	Flag
Aluminum	4300	5710	2140	8640	Pass
Calcium	3100	3240	2420	4060	Pass
Cobalt	130	132	98.9	165	Pass
Iron	9900	11300	5280	17400	Pass
Magnesium	1700	1900	1240	2560	Pass
Nickel	130	122	98.4	146	Pass
Potassium	1600	1790	1240	2340	Pass
Sodium	390	465	318	611	Pass
Vanadium	110	125	91.7	158	Pass

STL Seattle

Laboratory Control Sample

Lab ID:	RSP772
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
QC Batch ID:	SP772

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/kg)	True Value (mg/kg)	Lower Limit (mg/kg)	Upper Limit (mg/kg)	Flag
Arsenic	110	114	81.5	145	Pass
Antimony	170	152	0	329	Pass
Barium	330	338	272	404	Pass
Beryllium	120	133	109	157	Pass
Cadmium	100	102	84.5	121	Pass
Chromium	170	171	135	206	Pass
Copper	110	112	90.4	134	Pass
Lead	110	104	81.8	126	Pass
Manganese	610	552	446	642	Pass
Selenium	160	169	111	227	Pass
Silver	79	78.6	0	165	Pass
Thallium	160	171	132	210	Pass
Zinc	190	194	155	233	Pass

STL Seattle

Laboratory Control Sample

Lab ID:	RZS214
Date Prepared:	12/1/04
Date Analyzed:	12/1/04
QC Batch ID:	ZS214

Mercury by CVAA - USEPA Method 7471

Parameter Name	Sample Result (mg/kg)	True Value (mg/kg)	Lower Limit (mg/kg)	Upper Limit (mg/kg)	Flag
Mercury	3.6	3.71	2.53	5	Pass

STL Seattle

Lab ID:	Method Blank - TOC1239
Date Received:	-
Date Prepared:	11/24/2004
Date Analyzed:	11/24/2004
% Solids	-
Dilution Factor	1

Total Organic Carbon by USEPA Method 9060

Analyte	Result (mg/L)	RL	MDL	Flags
TOC	ND	1	0.251	

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041119SGA10GW
Lab ID:	125010-02
Date Prepared:	11/24/2004
Date Analyzed:	11/24/2004
QC Batch ID:	TOC1239

Total Organic Carbon by USEPA Method 9060

Compound Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	MSD Result (mg/L)	MSD % Rec.	RPD	Flag
TOC	1.8	10	9.85	80.1	9.79	79.5	-0.75	

DATA QUALIFIER DEFINITIONS

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

DATA QUALIFIERS AND ABBREVIATIONS

B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).

B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).

C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.

C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.

C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.

C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The original analysis was reported unless anomalies were noted.

M: GC/MS confirmation was performed. The result derived from the original analysis was reported.

D: The reported result for this analyte was calculated based on a secondary dilution factor.

E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.

J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

MCL: Maximum Contaminant Level

MDL: Method Detection Limit

RL: Reporting Limit

N: See analytical narrative

ND: Not Detected

X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____.

X2: Contaminant does not appear to be "typical" product.

X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.

X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.

X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.

X5: Matrix spike recovery was not determined due to the required dilution.

X6: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.

X7: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.

X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.

X8: Surrogate recovery was not determined due to the required dilution.

X9: Surrogate recovery outside advisory QC limits due to matrix interference.

CHAIN OF CUSTODY

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

SEVERN TRENT STL

Client: URS	Project Manager: J Ray, BJ McNamara	Date: 11-23-4	Chain of Custody Number: 4
Address: 111 SW Columbia, Ste 1500	Telephone Number (Area Code)/Fax Number: 503.222.7200 / 503.222.4242	Lab Number: 125060	Page 1 of 1
City: Portland; State: OR; Zip Code: 97201	Site Contact: McNamara	Lab Contact: Downie	
Project Name and Location (State): Bradford Island, OR	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 25104 5707			

Analysis (Attach list if more space is needed)

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Total PCBs	Total Metals	VOCs	Fish Tissue	Pesticides	Herbicides	Nutrients	Nutrients	Cyanide	Fe		Special Instructions/ Conditions of Receipt
1 041123 SGA 13 BDW	11-23-4	1010		X			3		3	2			X	X	X									Collected Enough Volume for MS
2 041123 SGA 14 BDW	11-23-4	1030		X			1		1	3			X	X	X									
3 041123 SGA 28 SS	11-23-4	1245				X	8						X	X	X	X	X	X	X	X	X	X		
4 041123 SGA 29 SS	11-23-4	1315				X	8						X	X	X	X	X	X	X	X	X	X		
5 041123 SGA 30 SS	11-23-4	1415		X		X	8						X	X	X	X	X							
6 041123 SGA 31 SS	11-23-4	1430		BGM		X	8						X	X	X	X	X	X	X	X		X		Extra container-per site for storage (no analysis) 0-20°C for 6 months
7 041123 SGA 32 SS	11-23-4	1530		11-23-4		X	7						Hold For Analysis									Q		
8 041123 SGA 33 SS	11-23-4	1545				X	7						X	X	X				X	X		X		
9 Trip Blank							2								X									
44473																								
																					Do Not Run			

Cooler: ☐ Yes ☐ No Cooler Temp: _____

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

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: BJ McNamara	11-23-4	1900	1. Received By: [signature]	11/24/04	0930 A
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

CAUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

SEVERN TRENT STL

Client: URS	Project Manager: Ray McNamara	Date: 11-23-4	Chain of Custody Number:
Address: 111 SW Columbia Ste 1500	Telephone Number (Area Code)/Fax Number: 503 222 7300 / 503 222 1292	Lab Number: 05060	Page 1 of 1
City: Portland; State: OR; Zip Code: 97201	Site Contact: R McNamara	Lab Contact: Dawn E	
Project Name and Location (State): Bradford Island, OR	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 25695767			

Analysis (Attach list if more space is needed)

Special Instructions/Conditions of Receipt: By Tyl Tinny 11-23-4

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL	Nutrients	NWTPH-Dx	VOCs	Sulfide	Metals	PCB	TOC	Particle Size			
10 041123 SGA 15ERW	11-23-4	1700		X			1	1	1	7			X	X	X	X	X	X						
1 041123 SGA 16ERW	~~11-23-4~~	1720		X			4	1		7			X	X	X	X	X	X	X	X				
2 Trip blank	1									2						X								
	11-23-4																							
44475	BFM																			NO, DO NOT RUN - BFM 11-23-4				

Cooler: ☐ Yes ☐ No Cooler Temp:_____

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

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

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other Per Contract

QC Requirements (Specify):

1. Relinquished By: BFM	Date: 1400	Time: 11-23-4	1. Received By:	Date:	Time:
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

Cooler ID No: _____ SYE WORK ORDER NO: [illegible]

COOLER RECEIPT FORM

PROJECT Bedford Texas, OK

COOLER RECEIVED ON [illegible] AND OPENED ON [illegible] BY [illegible]

[illegible]
(SIGNATURE)

TEMPERATURE UPON RECEIPT: COOLER 4.1 oC
TEMP. BLANK ____oC

1. Were custody seals on outside of cooler and intact? YES NO
   a. If YES, how many and where: 1 front
   b. Were signature and date correct? YES NO
2. Were custody papers taped to lid inside cooler? YES NO
3. Were custody papers properly filled out (ink, signed, etc)? YES NO
4. Did you sign custody papers in the appropriate place? YES NO
5. Did you attach shipper's packing slip to this form? YES NO
6. What kind of packing material was used? Bubble wrap/Ice
7. Was sufficient ice used (if appropriate)? YES NO
8. Were all bottles sealed in separate plastic bags? YES NO
9. Did all bottles arrive in good condition (unbroken)? YES NO
10. Were all bottle labels complete (no., date, signed, pres, etc)? YES NO
    [illegible]
11. Did all bottle labels and tags agree with custody papers? YES NO
12. Were correct bottles used for the test indicated? YES NO
13. If present, were VOA vials checked for absence of air bubbles and noted if found? YES NO
14. Adequate volume of VOA vials received per sample? YES NO
15. Was sufficient amount of sample sent in each bottle? YES NO
16. Were correct preservatives used? YES NO
17. Were extra labels added to pre-tared containers? YES NO
18. Corrective action taken, if necessary:
    a. Name of person contacted: _____
    b. Date: _____

Cooler ID No. _____ SYE WORK ORDER NO. _____

COOLER RECEIPT FORM

PROJECT Bradford Island OC

COOLER RECEIVED ON 4 AND OPENED ON 4 BY _____

_____
(SIGNATURE)

TEMPERATURE UPON RECEIPT: COOLER 5.3 oC
TEMP. BLANK ____oC

1. Were custody seals on outside of cooler and intact? YES NO
   a. If YES, how many and where: 1 front
   b. Were signature and date correct? YES NO

2. Were custody papers taped to lid inside cooler? YES NO

3. Were custody papers properly filled out (ink, signed, etc)? YES NO

4. Did you sign custody papers in the appropriate place? YES NO

5. Did you attach shipper's packing slip to this form? YES NO

6. What kind of packing material was used? Bubble wrap
7. Was sufficient ice used (if appropriate)? YES NO

8. Were all bottles sealed in separate plastic bags? YES NO

9. Did all bottles arrive in good condition (unbroken)? YES NO

10. Were all bottle labels complete (no., date, signed, pres, etc)? YES NO
    [illegible]
11. Did all bottle labels and tags agree with custody papers? YES NO

12. Were correct bottles used for the test indicated? YES NO

13. If present, were VOA vials checked for absence of air bubbles and noted if found? YES NO

14. Adequate volume of VOA vials received per sample? YES NO

15. Was sufficient amount of sample sent in each bottle? YES NO

16. Were correct preservatives used? YES NO

17. Were extra labels added to pre-tared containers? YES NO

18. Corrective action taken, if necessary:
    a. Name of person contacted: _____
    b. Date: _____

DATA DELIVERABLES PACKAGE

00220

VOLATILE ORGANICS DATA PACKAGE

00221

SAMPLE DATA

00222

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19705.D
Acq On : 2 Dec 2004 3:40 am
Sample : 125060-1 voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:21:08 2004

Vial: 36
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	771272	10.00 ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1192150	10.00 ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	227522	10.00 ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	504671	10.00 ug/L	0.00

System Monitoring Compounds					
33) Dibromofluoromethane(S)	6.48	111	338649	10.47 ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 104.70%		
40) Fluorobenzene(S)	7.23	96	1337861	11.12 ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 111.20%#		
42) Trifluorotoluene(S)	7.96	146	623859	10.66 ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 106.60%		
53) Toluene-d8(S)	9.02	98	1248374	10.60 ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 106.00%		
63) Ethylbenzene-d10(S)	10.74	98	1585250	11.33 ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 113.30%#		
72) Bromofluorobenzene(S)	12.09	174	410399	9.79 ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 97.90%		

Target Compounds					Qvalue
3) Chloromethane	1.88	50	970	Below Cal	66
5) Bromomethane	2.45	94	846	~~0.15 ug/L~~ #ND	37
6) Chloroethane	2.57	64	6636	~~0.34 ug/L~~	75
30) Chloroform	6.30	85	11624	0.33 ug/L	93
32) Cyclohexane	6.51	56	10057	~~0.18 ug/L~~ #	1
46) 1,2-Dichloropropane	7.95	63	18660	~~0.56 ug/L~~ #	51
49) Bromodichloromethane	8.22	83	19006	0.47 ug/L	94
50) 2-Chloroethyl Vinyl Ether	8.57	63	1143	~~2.07 ug/L~~ #	29
60) Dibromochloromethane	10.03	129	11793	0.41 ug/L	92
64) Chlorobenzene	10.73	112	13987	~~0.14 ug/L~~ #	1
70) Bromoform	11.71	173	8591	0.62 ug/L	84

12/13/2004

(#) = qualifier out of range (m) = manual integration (+) = signals summed

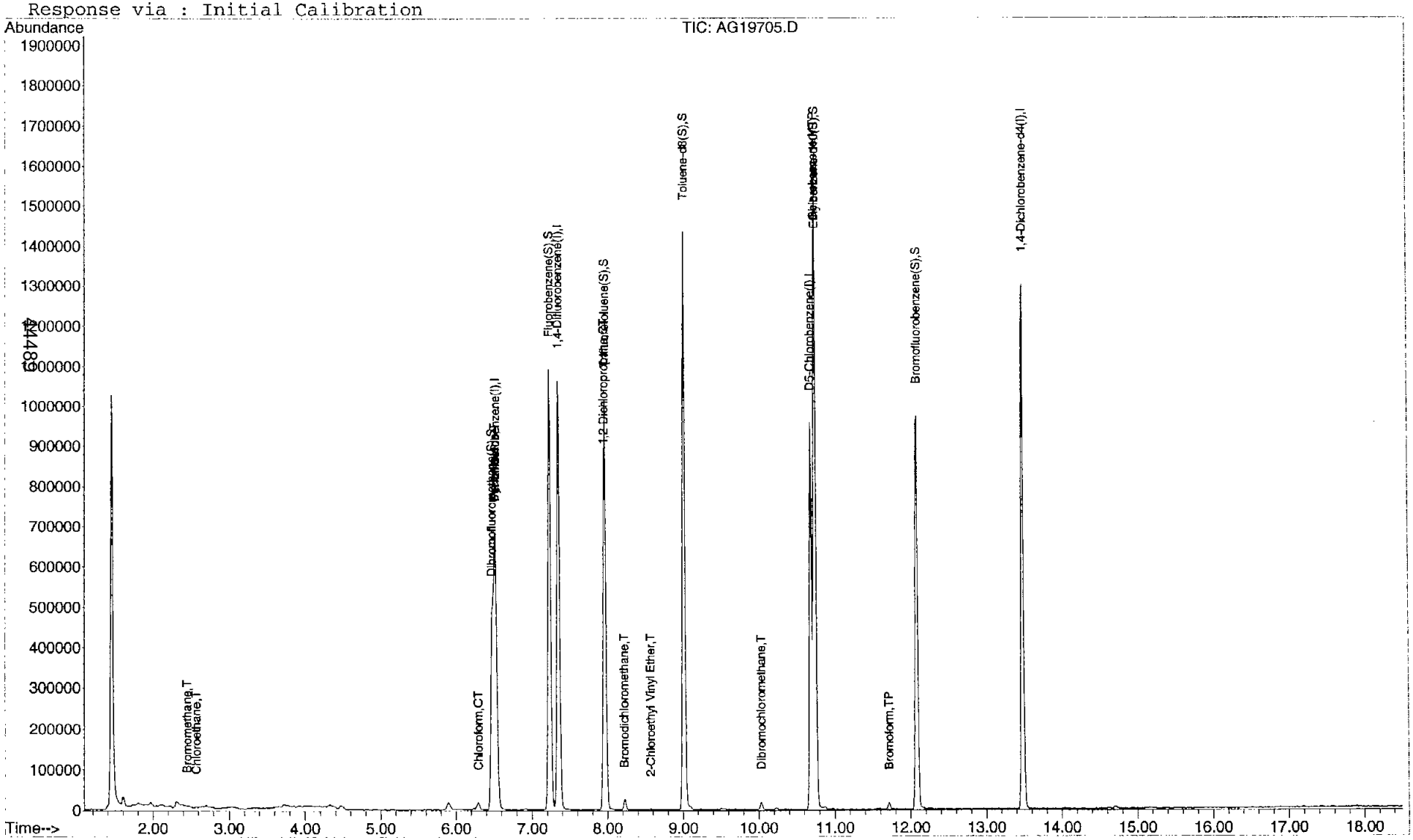
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19705.D
Acq On : 2 Dec 2004 3:40 am
Sample : 125060-1 voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:21 2004

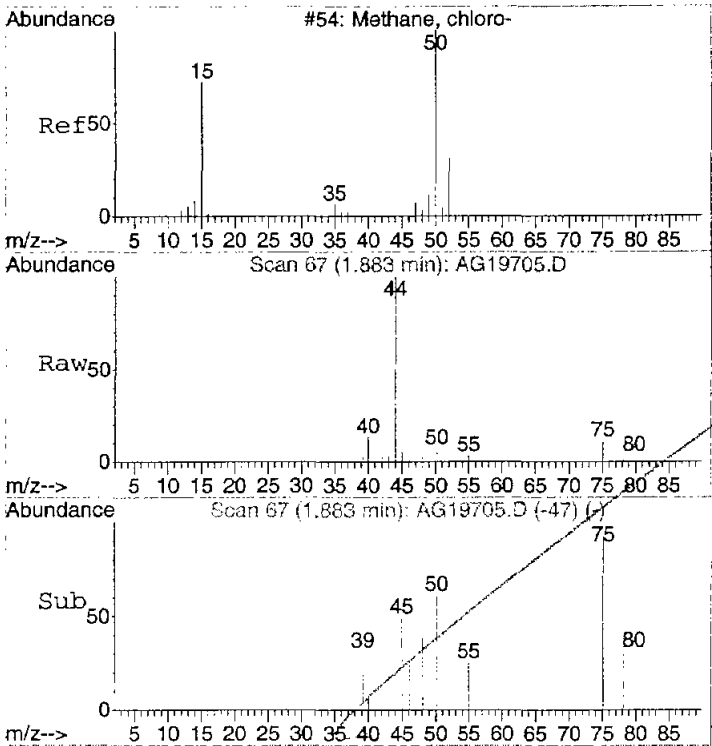
Vial: 36
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



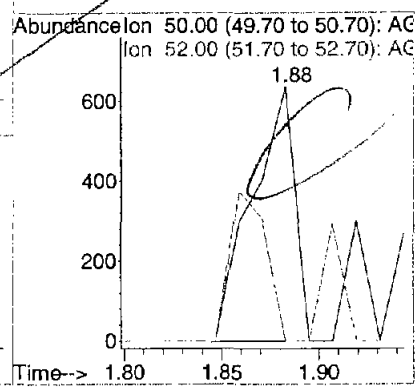
00224

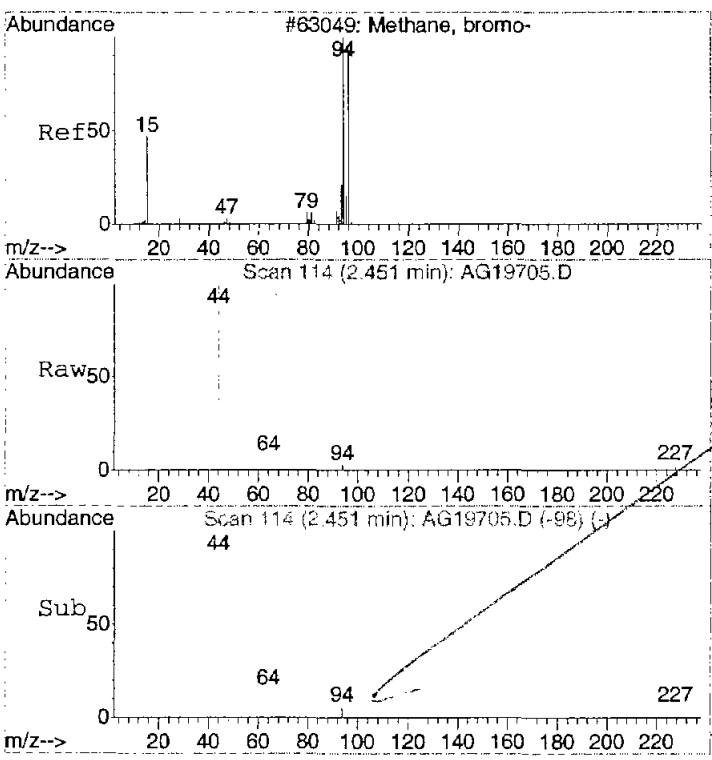


#3
Chloromethane
Concen: Below Cal
RT: 1.88 min Scan# 67
Delta R.T. 0.00 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion: 50 Resp: 970

Ion	Ratio	Lower	Upper
50	100		
52	50.7	1.8	61.8

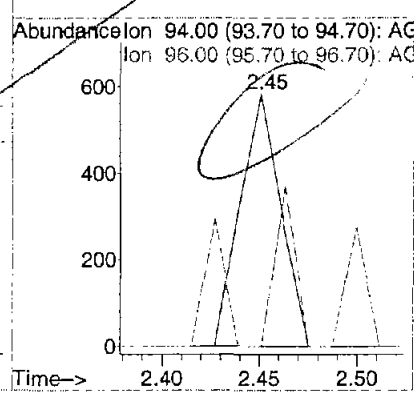


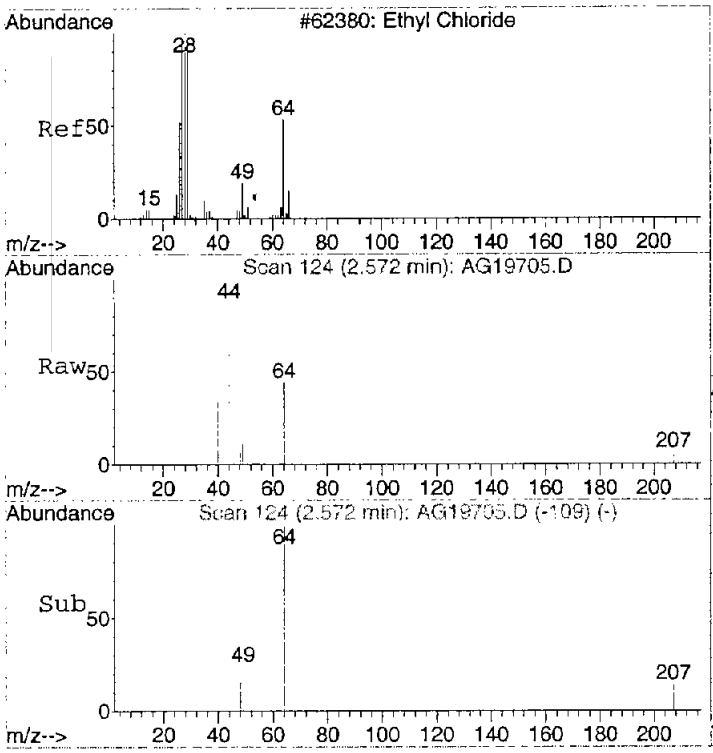


#5
Bromomethane
Concen: 0.15 ug/L
RT: 2.45 min Scan# 114
Delta R.T. 0.01 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion: 94 Resp: 846

Ion	Ratio	Lower	Upper
94	100		
96	31.7	61.3	121.3#

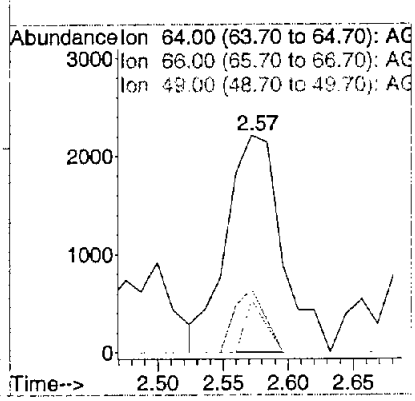


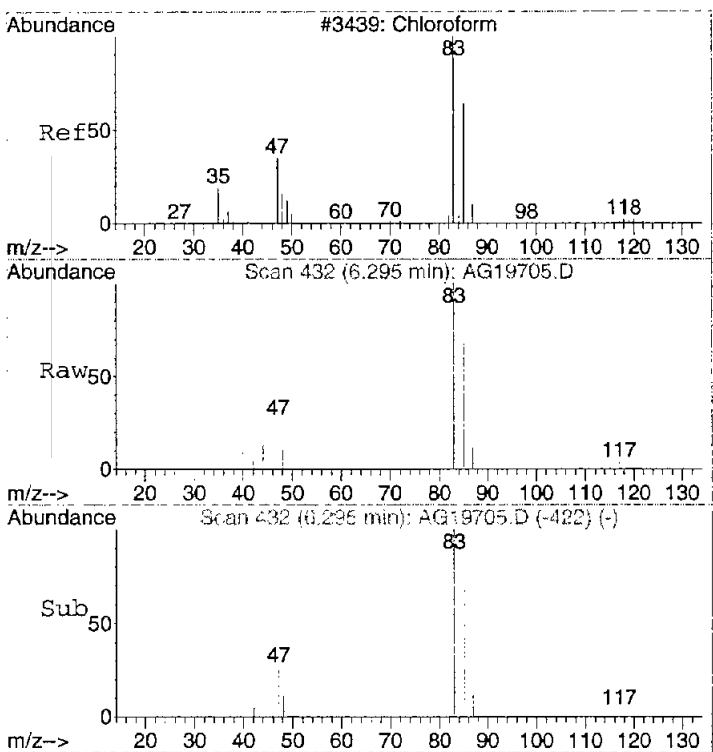


#6
Chloroethane
Concen: 0.34 ug/L
RT: 2.57 min Scan# 124
Delta R.T. -0.00 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion: 64 Resp: 6636

Ion	Ratio	Lower	Upper
64	100		
66	16.0	0.0	55.5
49	8.8	4.9	44.9

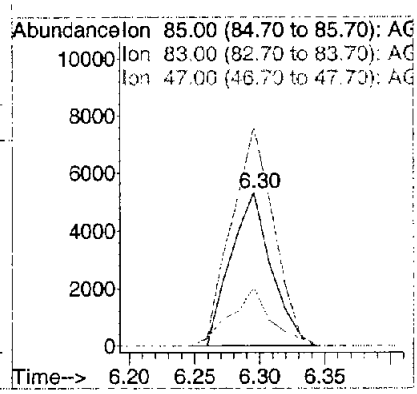


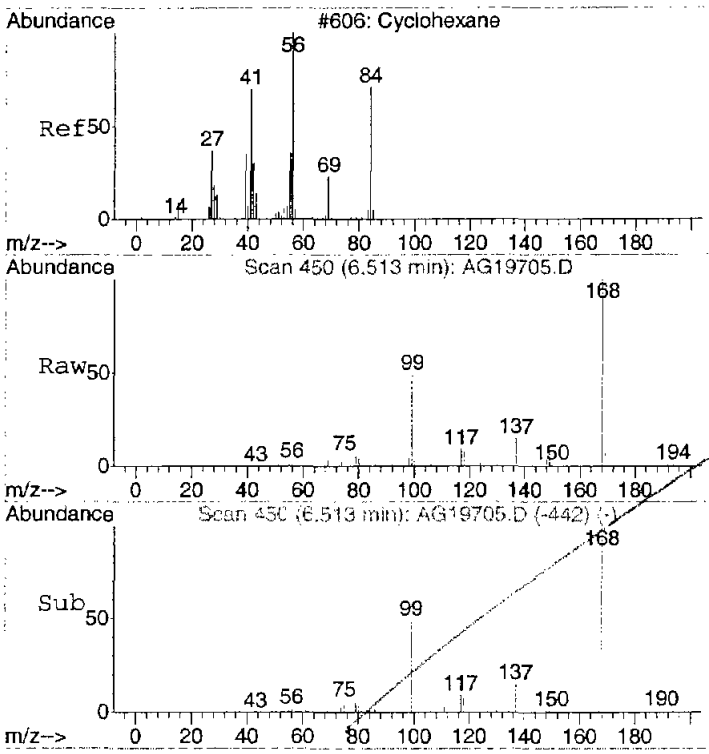


#30
Chloroform
Concen: 0.33 ug/L
RT: 6.30 min Scan# 432
Delta R.T. -0.00 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion: 85 Resp: 11624

Ion	Ratio	Lower	Upper
85	100		
83	147.8	110.6	170.6
47	38.4	2.7	62.7

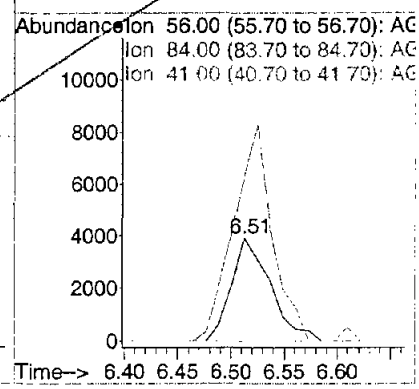


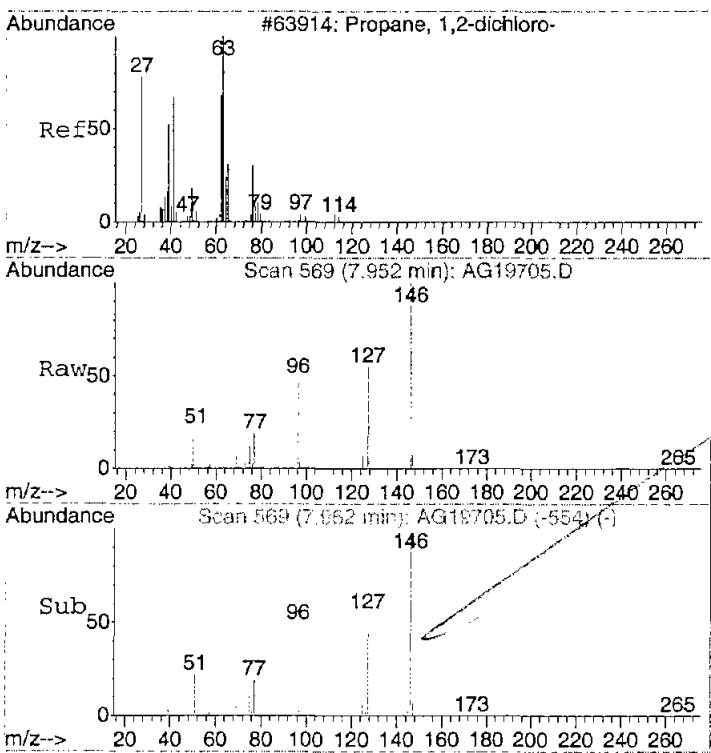


#32
Cyclohexane
Concen: 0.18 ug/L
RT: 6.51 min Scan# 450
Delta R.T. -0.02 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion: 56 Resp: 10057

Ion	Ratio	Lower	Upper
56	100		
84	207.7	53.0	113.0#
41	0.0	17.6	77.6#

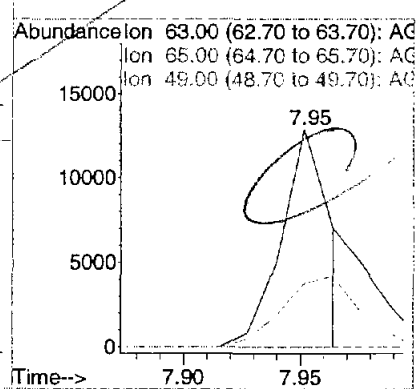


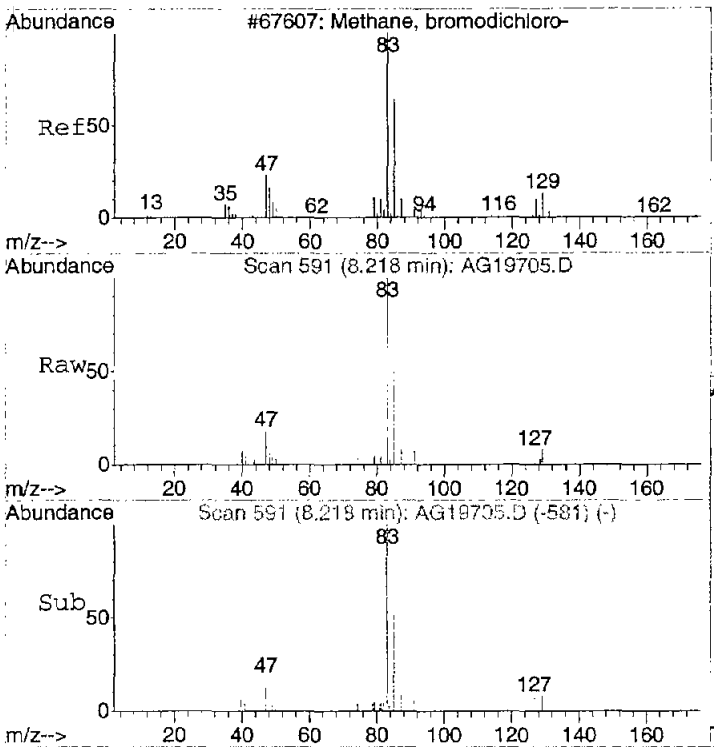


#46
1,2-Dichloropropane
Concen: 0.56 ug/L
RT: 7.95 min Scan# 569
Delta R.T. 0.06 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion: 63 Resp: 18660

Ion	Ratio	Lower	Upper
63	100		
65	0.0	0.5	60.5#
49	0.0	0.0	44.0

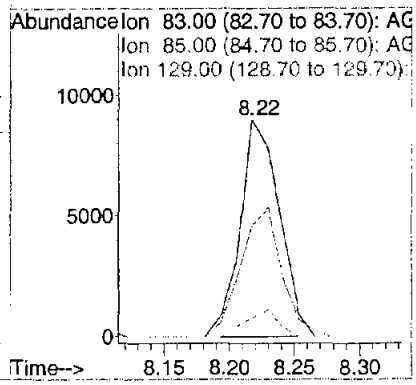


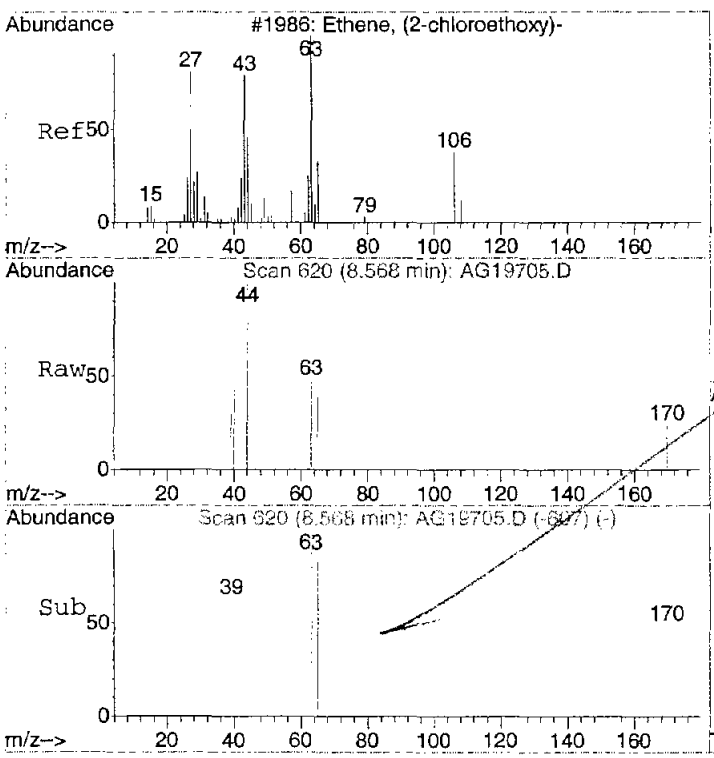


#49
Bromodichloromethane
Concen: 0.47 ug/L
RT: 8.22 min Scan# 591
Delta R.T. 0.00 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion: 83 Resp: 19006

Ion	Ratio	Lower	Upper
83	100		
85	62.1	36.5	96.5
129	10.3	0.0	43.7

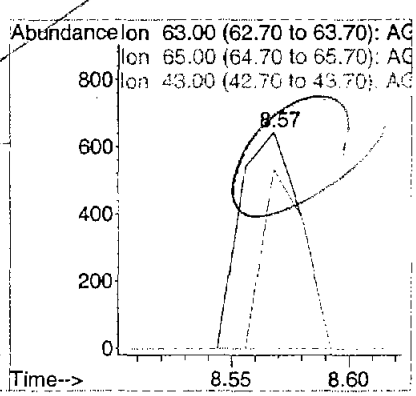


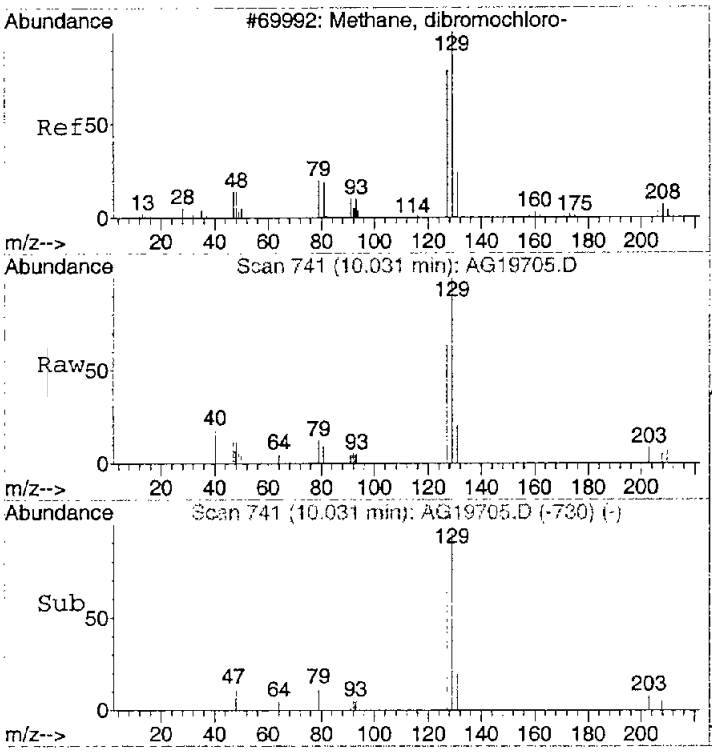


#50
2-Chloroethyl Vinyl Ether
Concen: 2.07 ug/L
RT: 8.57 min Scan# 620
Delta R.T. 0.04 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion: 63 Resp: 1143

Ion	Ratio	Lower	Upper
63	100		
65	58.5	3.8	63.8
43	0.0	39.7	99.7#

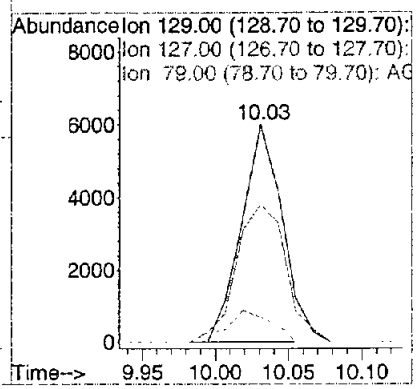


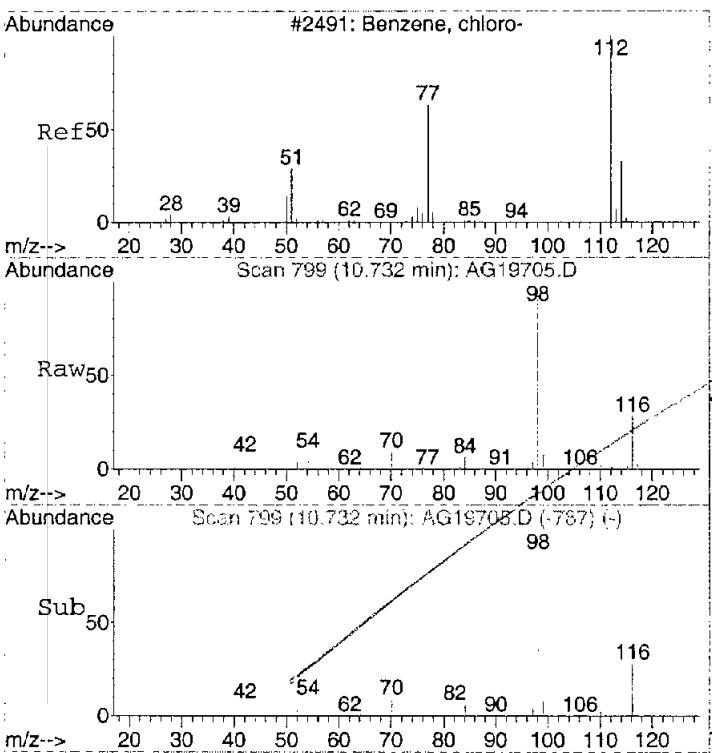


#60
Dibromochloromethane
Concen: 0.41 ug/L
RT: 10.03 min Scan# 741
Delta R.T. 0.02 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion:129 Resp: 11793

Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.3	113.3
79	16.4	0.0	42.0

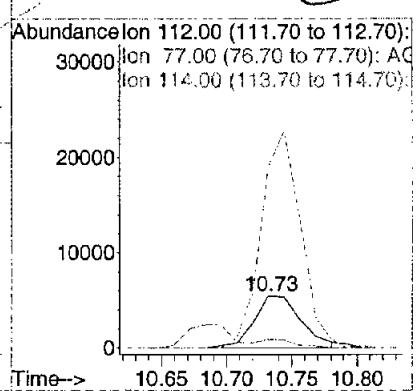


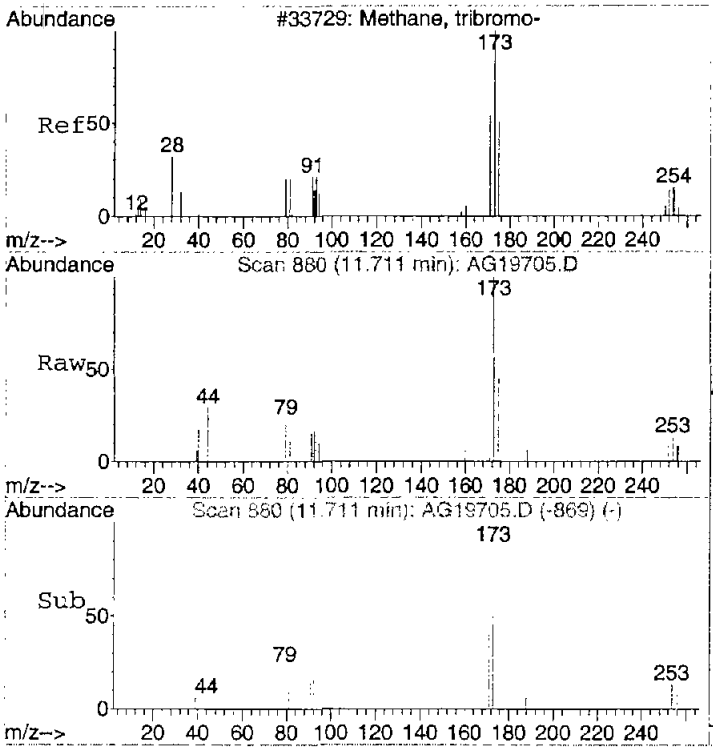


#64
Chlorobenzene
Concen: 0.14 ug/L
RT: 10.73 min Scan# 799
Delta R.T. 0.02 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion:112 Resp: 13987

Ion	Ratio	Lower	Upper
112	100		
77	12.4	24.7	84.7#
114	346.5	4.7	64.7#

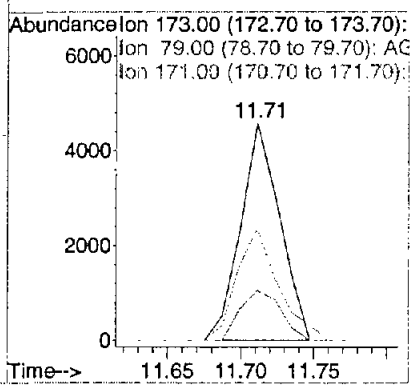




#70
Bromoform
Concen: 0.62 ug/L
RT: 11.71 min Scan# 880
Delta R.T. 0.01 min
Lab File: AG19705.D
Acq: 2 Dec 2004 3:40 am

Tgt Ion:173 Resp: 8591

Ion	Ratio	Lower	Upper
173	100		
79	24.1	0.0	44.3
171	55.0	16.2	76.2



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19700.D Vial: 31
Acq On : 2 Dec 2004 1:30 am Operator: crf
Sample : 125060-2 voa1052 Inst : VOAInst#3
Misc : Liquid Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:20:20 2004 Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	793191	10.00 ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1217741	10.00 ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	228756	10.00 ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	508940	10.00 ug/L	0.00

System Monitoring Compounds					
33) Dibromofluoromethane(S)	6.48	111	344102	10.34 ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	= 103.40%	
40) Fluorobenzene(S)	7.23	96	1339059	10.82 ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	= 108.20%#	
42) Trifluorotoluene(S)	7.96	146	602607	10.08 ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery	= 100.80%	
53) Toluene-d8(S)	9.02	98	1272513	10.58 ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	= 105.80%	
63) Ethylbenzene-d10(S)	10.74	98	1604037	11.40 ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	= 114.00%#	
72) Bromofluorobenzene(S)	12.09	174	422267	10.02 ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	= 100.20%	

Target Compounds					Qvalue
3) Chloromethane	1.88	50	2257	Below Cal	60
5) Bromomethane	2.44	94	691	~~0.12 ug/L~~ #UD	56
6) Chloroethane	2.57	64	4987	~~0.25 ug/L~~	78
24) 2,2-Dichloropropane	5.90	77	3137	~~0.08 ug/L~~ #	47
30) Chloroform	6.30	85	12241	0.34 ug/L	95
32) Cyclohexane	6.53	56	12047	~~0.21 ug/L~~ #	10
46) 1,2-Dichloropropane	7.95	63	15775	~~0.46 ug/L #~~	36
48) 1,4-Dioxane	7.96	88	5645	~~19.67 ug/L #~~	1
49) Bromodichloromethane	8.23	83	16543	0.40 ug/L	96
50) 2-Chloroethyl Vinyl Ether	8.58	63	248	~~1.88 ug/L #~~	23
60) Dibromochloromethane	10.03	129	11636	0.40 ug/L	93
64) Chlorobenzene	10.73	112	14503	~~0.15 ug/L #~~	1
70) Bromoform	11.71	173	11453	0.78 ug/L	86

12/13/2004

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AG19700.D 11232004_AQUEOUS_8260.M Fri Dec 03 08:20:24 2004 Page 1

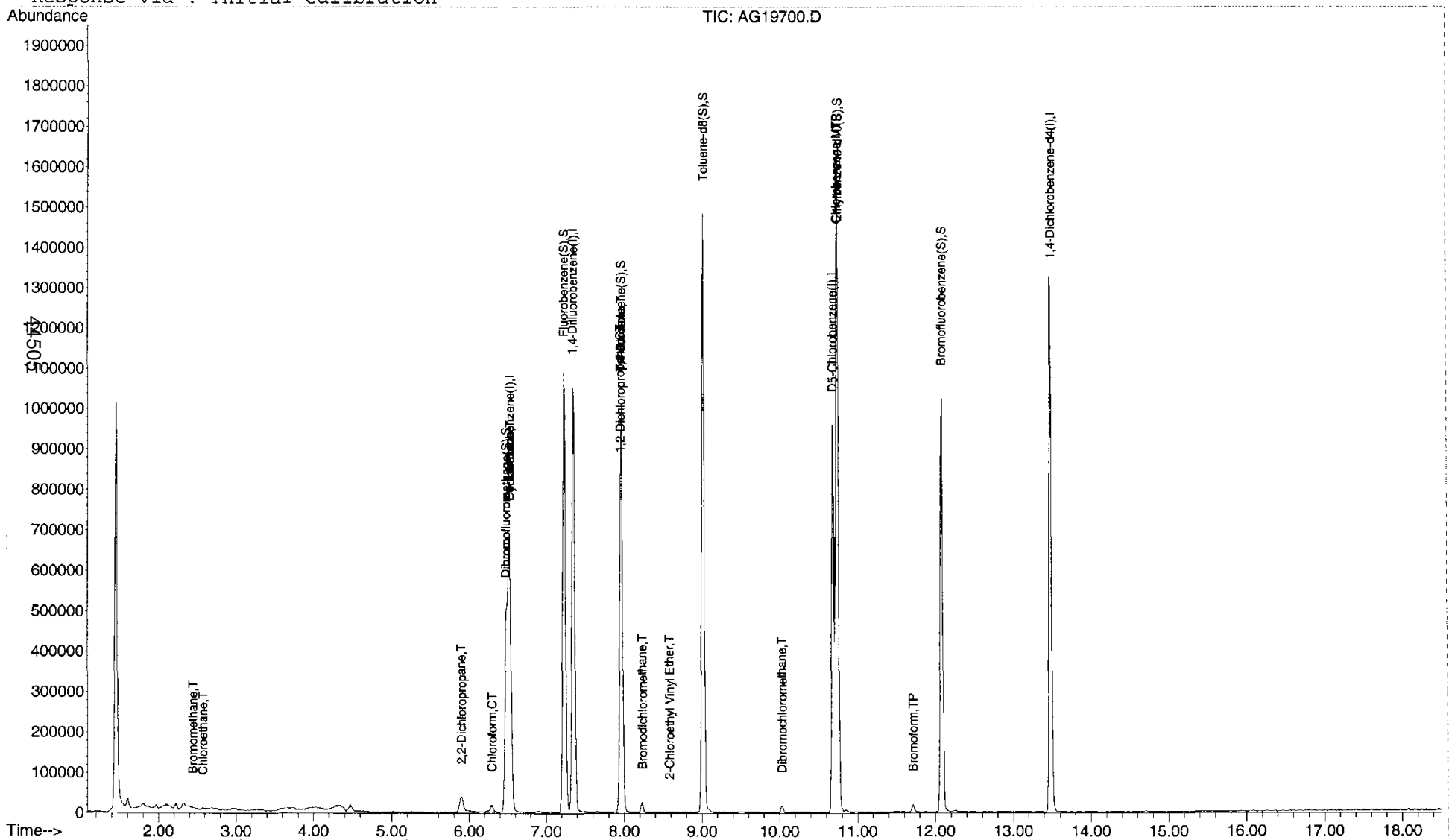
00231

Quantitation Report (Not Reviewed)

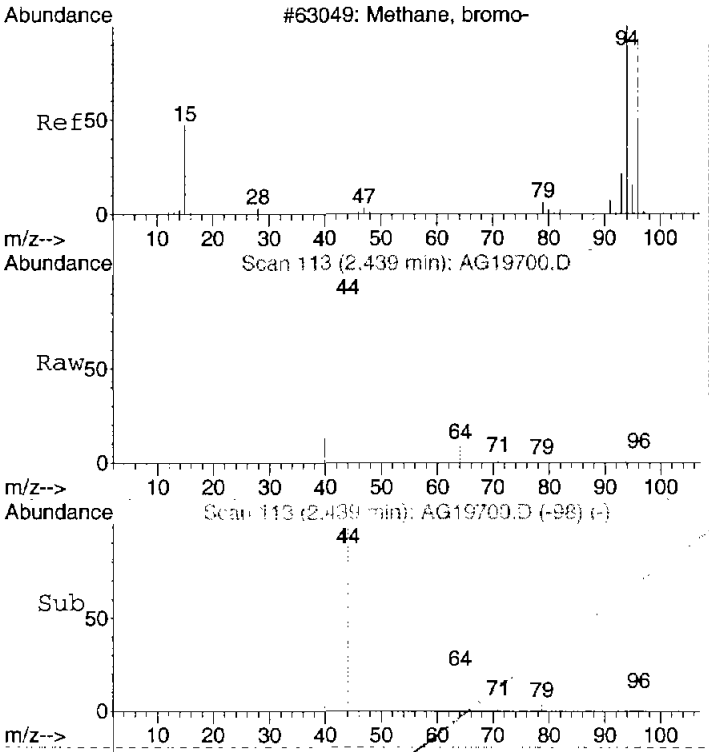
Data File : E:\DATA\12012004\AG19700.D
Acq On : 2 Dec 2004 1:30 am
Sample : 125060-2 voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:20 2004

Vial: 31
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



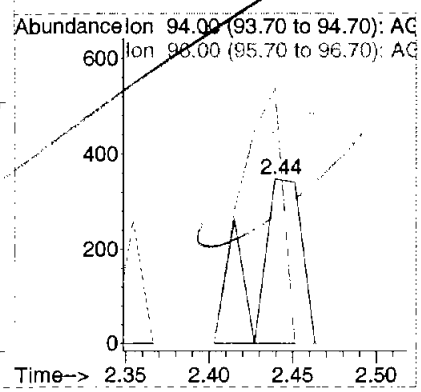
00232

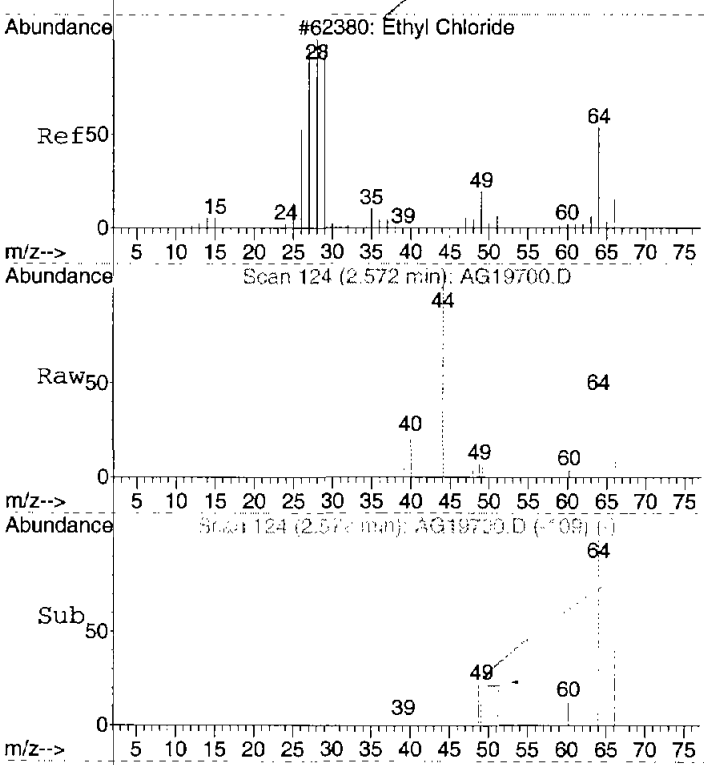


#5
Bromomethane
Concen: 0.12 ug/L
RT: 2.44 min Scan# 113
Delta R.T. 0.00 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion: 94 Resp: 691

Ion	Ratio	Lower	Upper
94	100		
96	133.3	61.3	121.3#

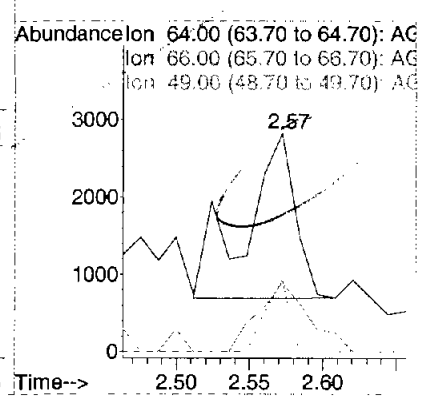


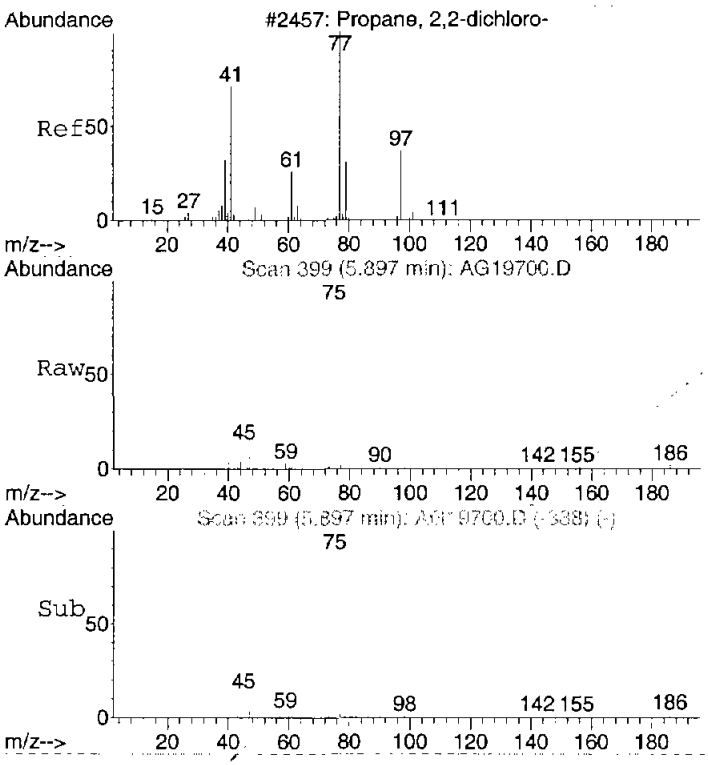


#6
Chloroethane
Concen: 0.25 ug/L
RT: 2.57 min Scan# 124
Delta R.T. 0.00 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion: 64 Resp: 4987

Ion	Ratio	Lower	Upper
64	100		
66	43.9	0.0	55.5
49	21.0	4.9	44.9

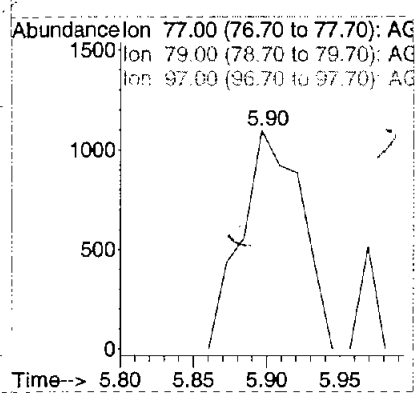


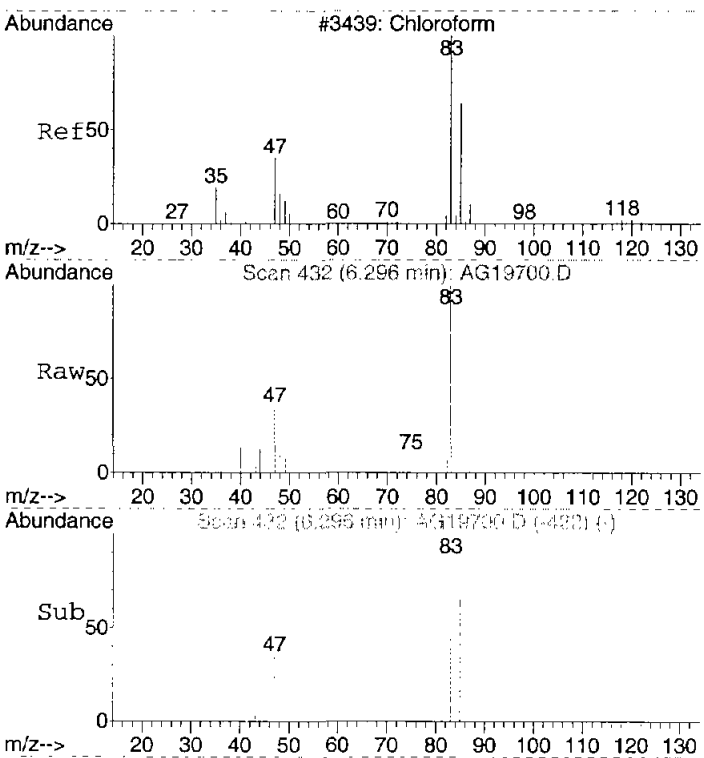


#24
2,2-Dichloropropane
Concen: 0.08 ug/L
RT: 5.90 min Scan# 399
Delta R.T. 0.01 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion: 77 Resp: 3137

Ion	Ratio	Lower	Upper
77	100		
79	0.0	1.7	61.7#
97	0.0	0.0	52.3

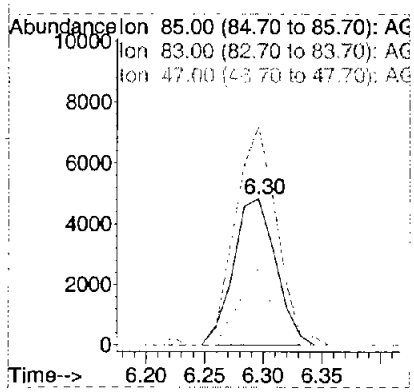


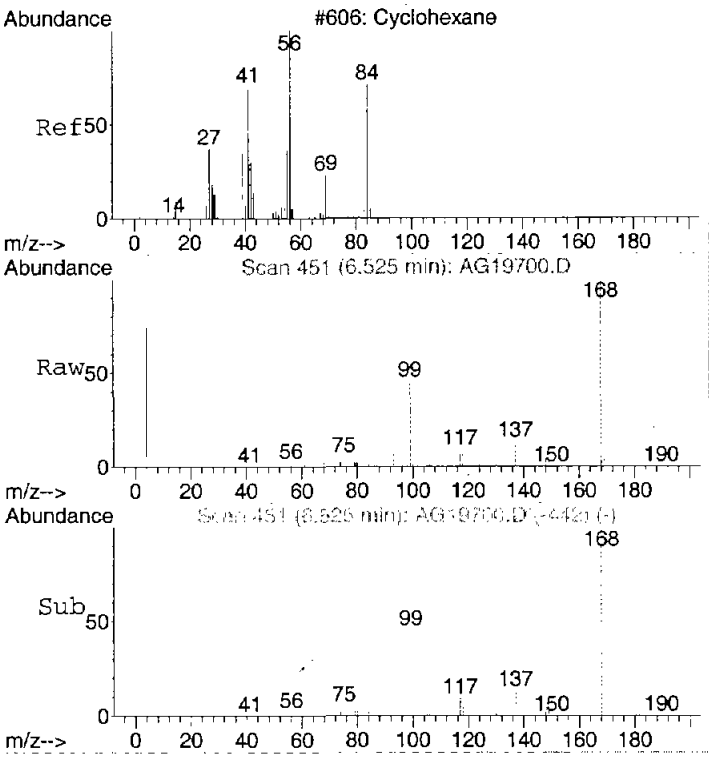


#30
Chloroform
Concen: 0.34 ug/L
RT: 6.30 min Scan# 432
Delta R.T. 0.00 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion: 85 Resp: 12241

Ion	Ratio	Lower	Upper
85	100		
83	145.4	110.6	170.6
47	39.6	2.7	62.7

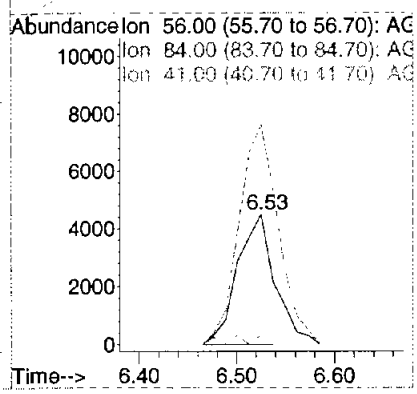


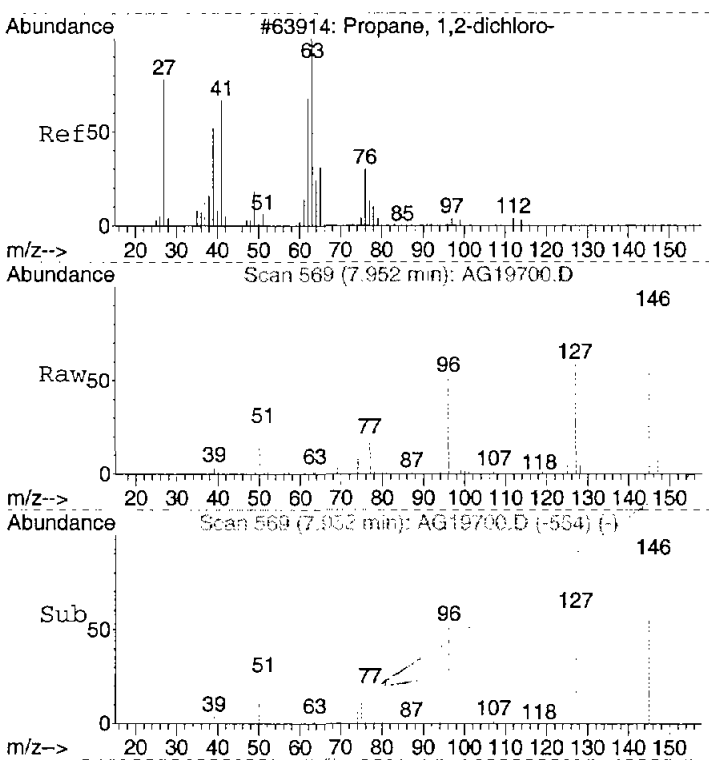


#32
Cyclohexane
Concen: 0.21 ug/L
RT: 6.53 min Scan# 451
Delta R.T. -0.01 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion: 56 Resp: 12047

Ion	Ratio	Lower	Upper
56	100		
84	176.6	53.0	113.0#
41	4.1	17.6	77.6#

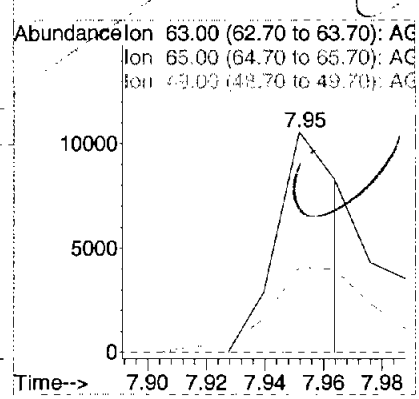


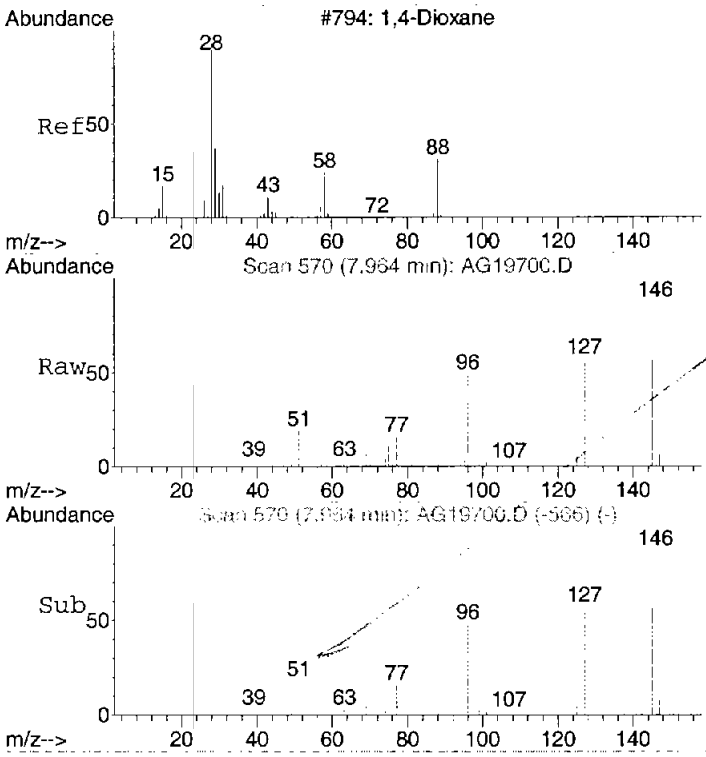


#46
1,2-Dichloropropane
Concen: 0.46 ug/L
RT: 7.95 min Scan# 569
Delta R.T. 0.06 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion: 63 Resp: 15775

Ion	Ratio	Lower	Upper
63	100		
65	0.0	0.5	60.5#
49	47.5	0.0	44.0#

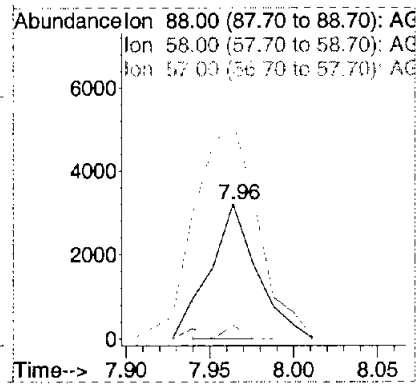


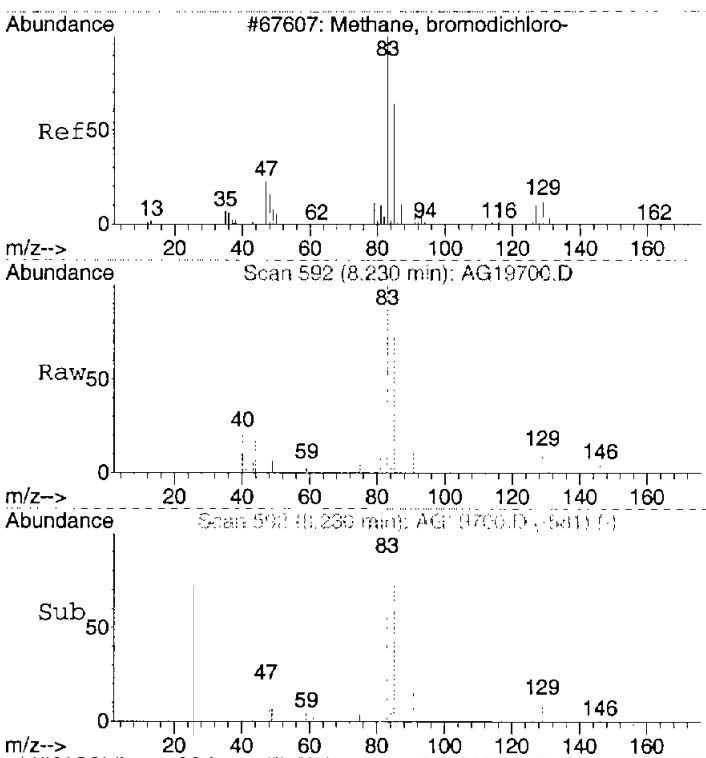


#48
1,4-Dioxane
Concen: 19.67 ug/L
RT: 7.96 min Scan# 570
Delta R.T. -0.07 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion: 88 Resp: 5645

Ion	Ratio	Lower	Upper
88	100		
58	0.0	24.5	84.5#
57	190.4	0.0	51.2#

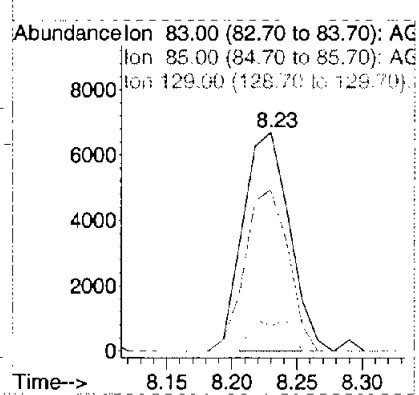


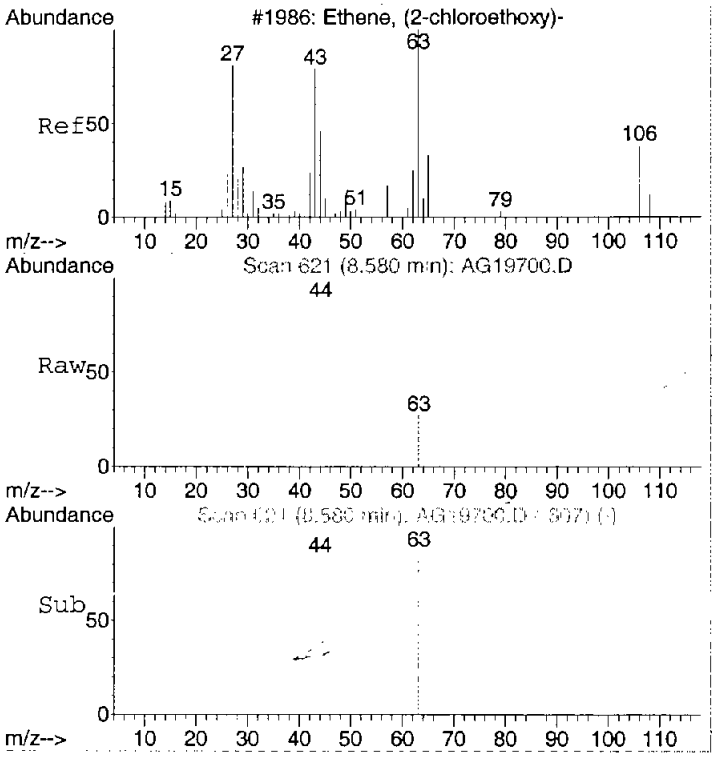


#49
Bromodichloromethane
Concen: 0.40 ug/L
RT: 8.23 min Scan# 592
Delta R.T. 0.01 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion: 83 Resp: 16543

Ion	Ratio	Lower	Upper
83	100		
85	69.1	36.5	96.5
129	11.8	0.0	43.7

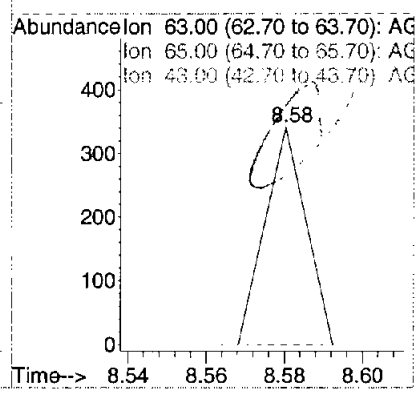


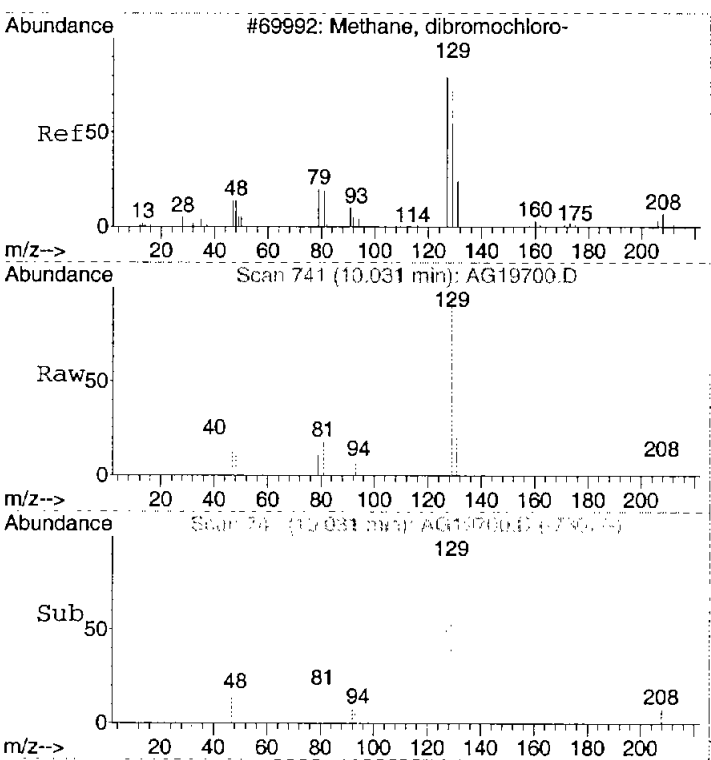


#50
2-Chloroethyl Vinyl Ether
Concen: 1.88 ug/L
RT: 8.58 min Scan# 621
Delta R.T. 0.05 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion: 63 Resp: 248

Ion	Ratio	Lower	Upper
63	100		
65	0.0	3.8	63.8#
43	0.0	39.7	99.7#

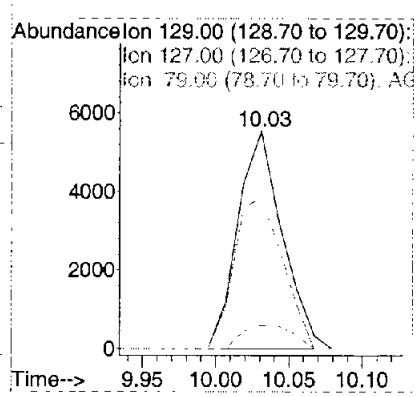


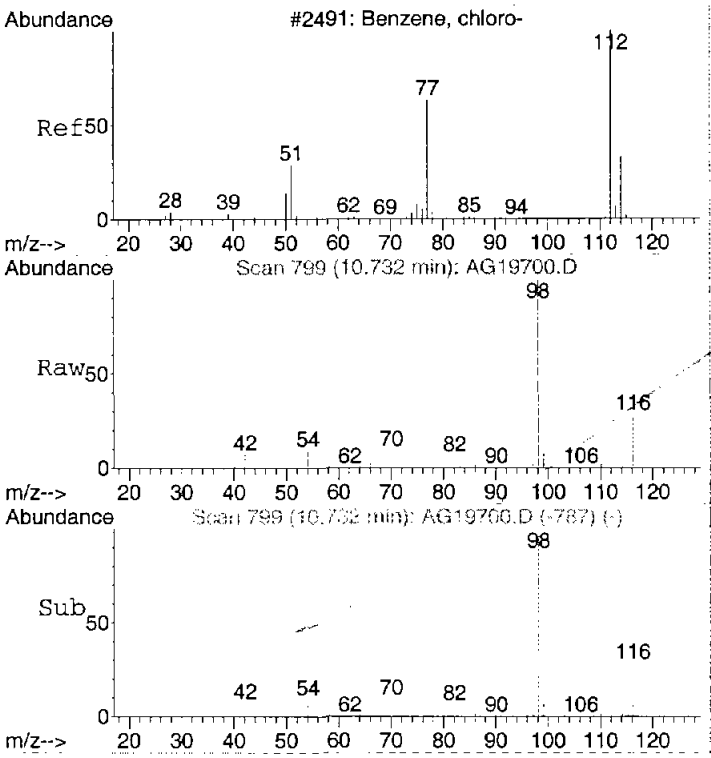


#60
Dibromochloromethane
Concen: 0.40 ug/L
RT: 10.03 min Scan# 741
Delta R.T. 0.02 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion:129 Resp: 11636

Ion	Ratio	Lower	Upper
129	100		
127	76.3	53.3	113.3
79	12.2	0.0	42.0

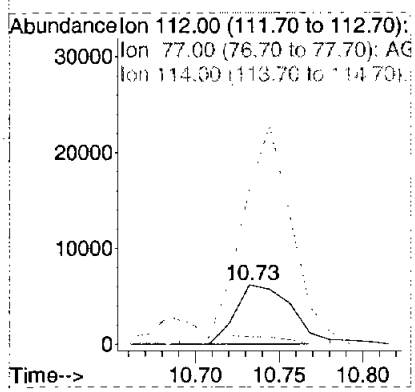


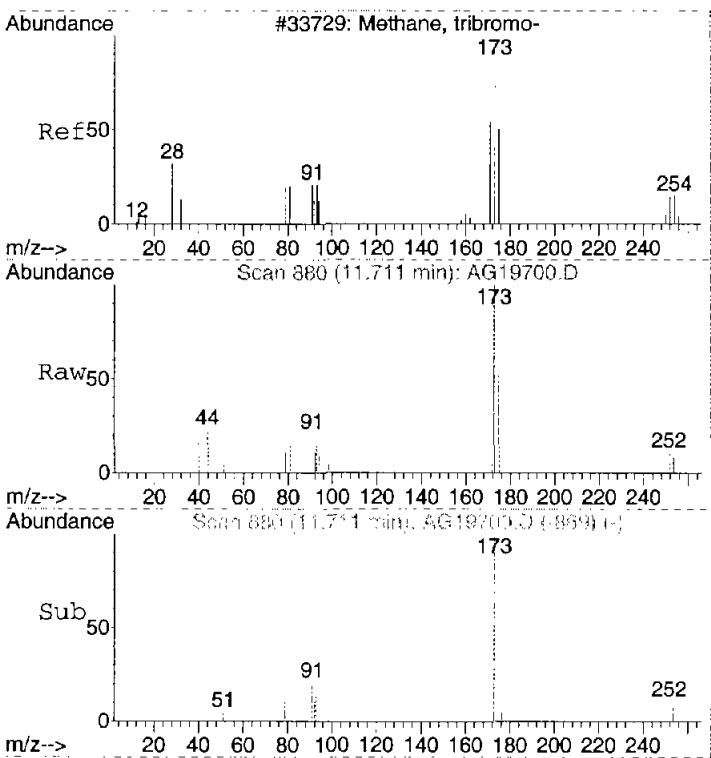


#64
Chlorobenzene
Concen: 0.15 ug/L
RT: 10.73 min Scan# 799
Delta R.T. 0.02 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion:112 Resp: 14503

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.7	84.7#
114	329.2	4.7	64.7#

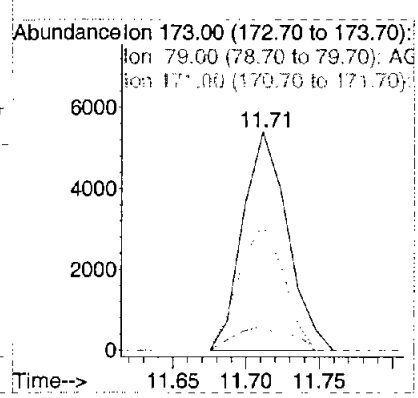




#70
Bromoform
Concen: 0.78 ug/L
RT: 11.71 min Scan# 880
Delta R.T. 0.01 min
Lab File: AG19700.D
Acq: 2 Dec 2004 1:30 am

Tgt Ion:173 Resp: 11453

Ion	Ratio	Lower	Upper
173	100		
79	13.5	0.0	44.3
171	57.9	16.2	76.2



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19760.D
Acq On : 3 Dec 2004 4:21 pm
Sample : 125060-3 voa1056
Misc : Soil #4.043
MS Integration Params: RTEINT.P
Quant Time: Dec 06 11:04:27 2004

Vial: 10
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	783603	10.00 ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1191450	10.00 ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	218517	10.00 ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.48	152	401434	10.00 ug/Kg	-0.01
System Monitoring Compounds					
28) Dibromofluoromethane(S)	6.48	111	378617	10.25 ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 102.50%		
34) Fluorobenzene(S)	7.23	96	1295099	9.10 ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 91.00%#		
36) Trifluorotoluene(S)	7.96	146	1530815	24.69 ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 123.45%#		
45) Toluene-d8(S)	9.02	98	1248885	9.57 ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 95.70%		
55) Ethylbenzene-d10(S)	10.73	98	1515931	9.47 ug/Kg	0.00
Spiked Amount 10.000	Range 89 - 109		Recovery = 94.70%		
64) Bromofluorobenzene(S)	12.09	174	387196	9.40 ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 94.00%		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.68	85	6790	~~0.16 ug/Kg#~~	1
3) Chloromethane	1.87	50	9616	Below Cal	92
5) Bromomethane	2.40	94	8567	0.72 ug/Kg#	58
7) Trichlorofluoromethane	2.91	101	1433	Below Cal #	38
11) Acetone	3.73	43	410515	63.02 ug/Kg	98
13) Methylene Chloride	4.31	49	110543	1.72 ug/Kg	98
16) Hexane	5.00	56	35375127	1242.07 ug/Kg#	1
21) 2,2-Dichloropropane	5.92	77	20634	0.40 ug/Kg#	54
23) 2-Butanone	5.92	57	6203	6.29 ug/Kg#	26
27) Cyclohexane	6.51	56	17491	0.24 ug/Kg#	50
32) Benzene	6.91	78	23747	0.17 ug/Kg	95
37) Trichloroethene	7.65	130	1788	0.04 ug/Kg#	69
39) 1,2-Dichloropropane	7.95	63	41694	1.15 ug/Kg	41
46) Toluene	9.09	91	46260	0.31 ug/Kg	97
47) trans-1,3-Dichloropropene	9.33	75	2549	0.06 ug/Kg#	1
48) 1,1,2-Trichloroethane	9.52	97	4562	0.17 ug/Kg#	18
56) Chlorobenzene	10.73	112	16085	0.16 ug/Kg#	1
58) Ethylbenzene	10.83	91	11111	0.07 ug/Kg	96
59) m,p-Xylene	10.97	106	9214	0.14 ug/Kg	91
60) o-Xylene	11.43	91	6595	0.05 ug/Kg	78
61) Styrene	11.46	104	9191	0.09 ug/Kg	84
65) Bromobenzene	12.27	156	1689	0.04 ug/Kg#	79
66) 1,1,2,2-Tetrachloroethane	12.24	83	3403+	0.07 ug/Kg#	44
67) 1,2,3-Trichloropropane	12.30	110	624	Below Cal #	45
73) 1,2,4-Trimethylbenzene	13.04	105	19630	0.15 ug/Kg	56
75) 4-Isopropyltoluene	13.42	119	25523	0.18 ug/Kg	96
76) 1,3-Dichlorobenzene	13.42	146	2998	0.04 ug/Kg#	50
78) 1,4-Dichlorobenzene	13.51	146	3897	0.06 ug/Kg#	1
81) 1,2-Dibromo-3-chloropropan	14.93	75	1132	0.31 ug/Kg#	32
84) Hexachlorobutadiene	16.15	225	1020	Below Cal	71

Rejected

(#) = qualifier out of range (m) = manual integration (+) = signals summed

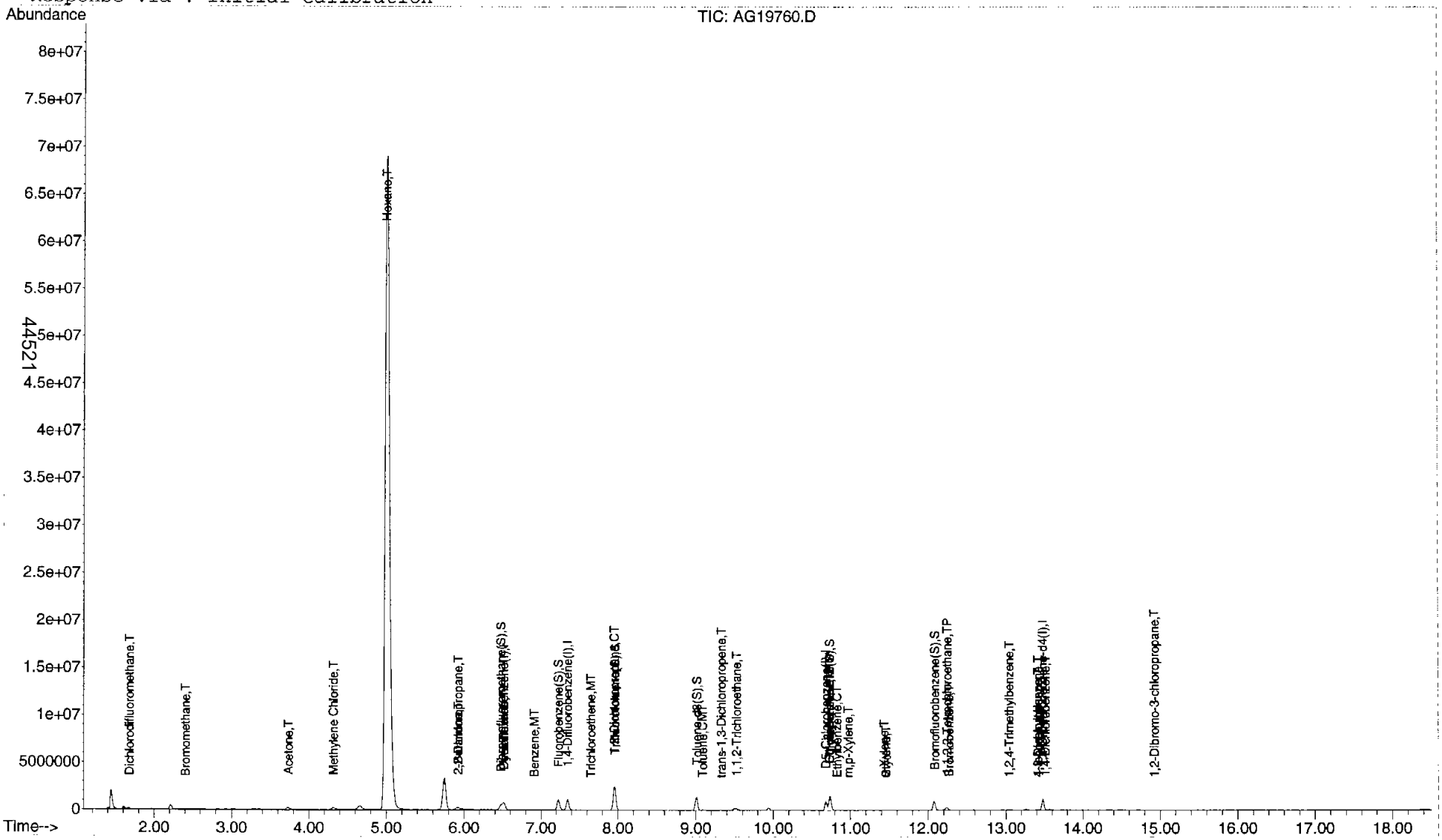
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19760.D
Acq On : 3 Dec 2004 4:21 pm
Sample : 125060-3 voa1056
Misc : Soil #4.043
MS Integration Params: RTEINT.P
Quant Time: Dec 6 11:04 2004

Vial: 10
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

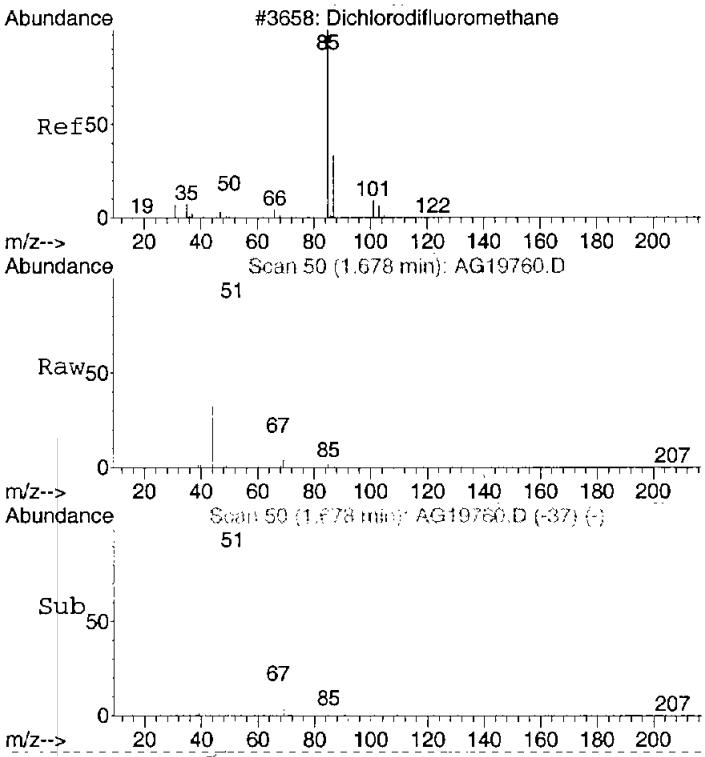
Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



44521

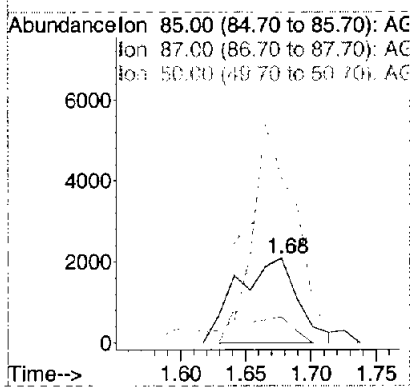
00240

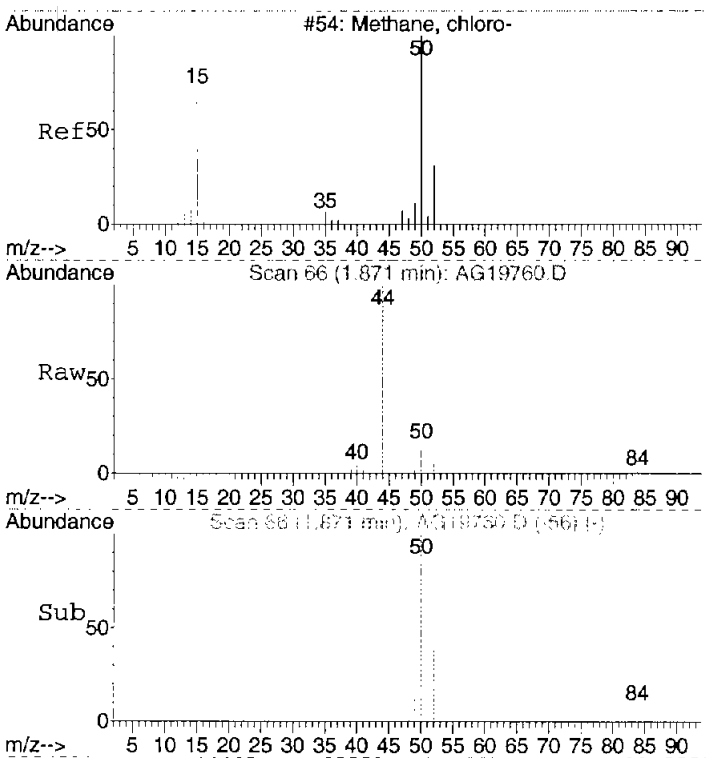


#2
Dichlorodifluoromethane
Concen: 0.16 ug/Kg
RT: 1.68 min Scan# 50
Delta R.T. 0.04 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 85 Resp: 6790

Ion	Ratio	Lower	Upper
85	100		
87	30.4	1.5	61.5
50	167.5	0.0	40.1#

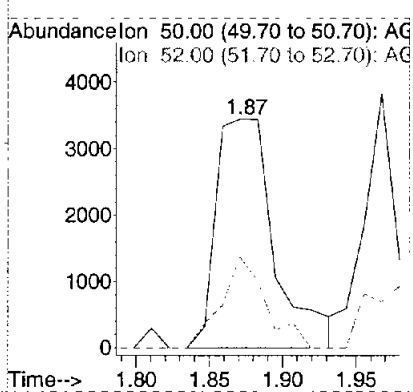


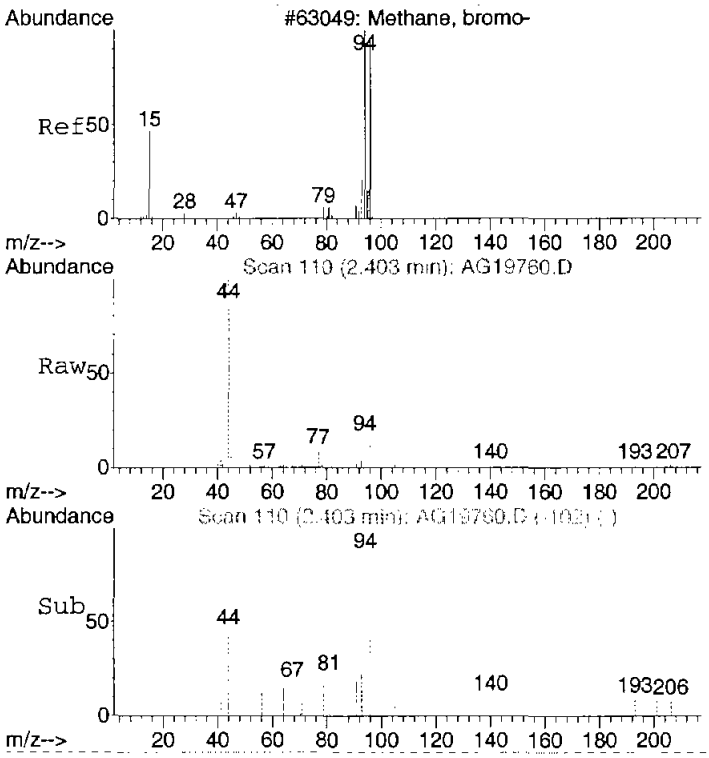


#3
Chloromethane
Concen: Below Cal
RT: 1.87 min Scan# 66
Delta R.T. 0.00 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 50 Resp: 9616

Ion	Ratio	Lower	Upper
50	100		
52	30.5	5.5	65.5

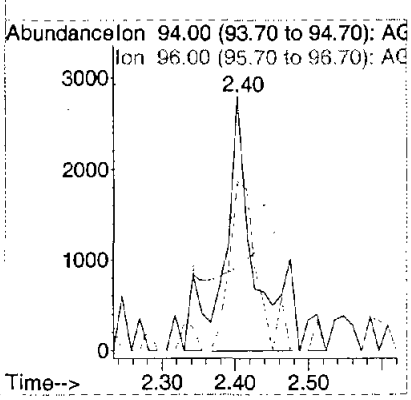


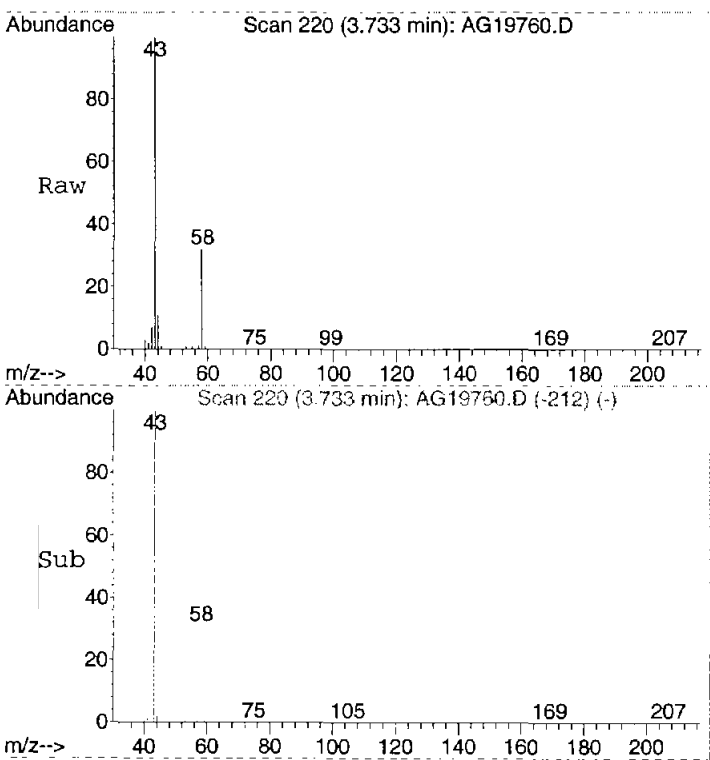


#5
Bromomethane
Concen: 0.72 ug/Kg
RT: 2.40 min Scan# 110
Delta R.T. -0.02 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 94 Resp: 8567

Ion	Ratio	Lower	Upper
94	100		
96	52.5	62.5	122.5#

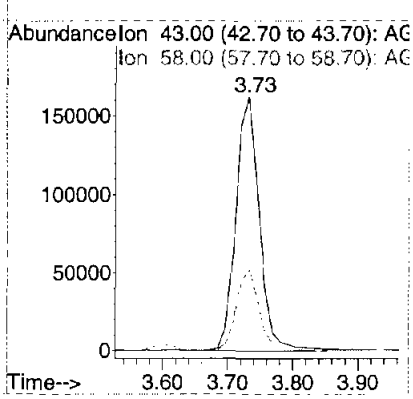


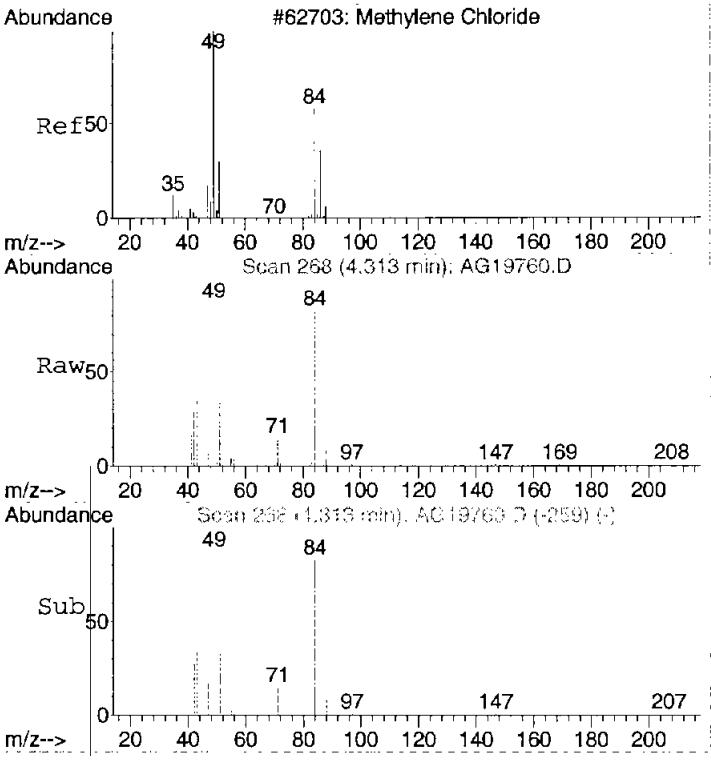


#11
Acetone
Concen: 63.02 ug/Kg
RT: 3.73 min Scan# 220
Delta R.T. 0.01 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 43 Resp: 410515

Ion	Ratio	Lower	Upper
43	100		
58	31.6	2.4	62.4

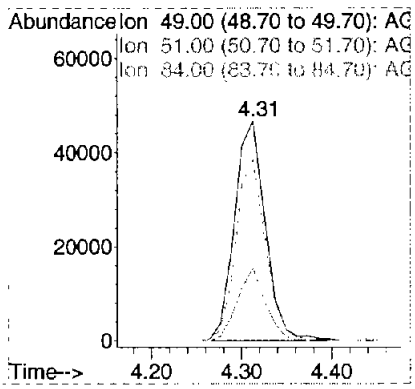


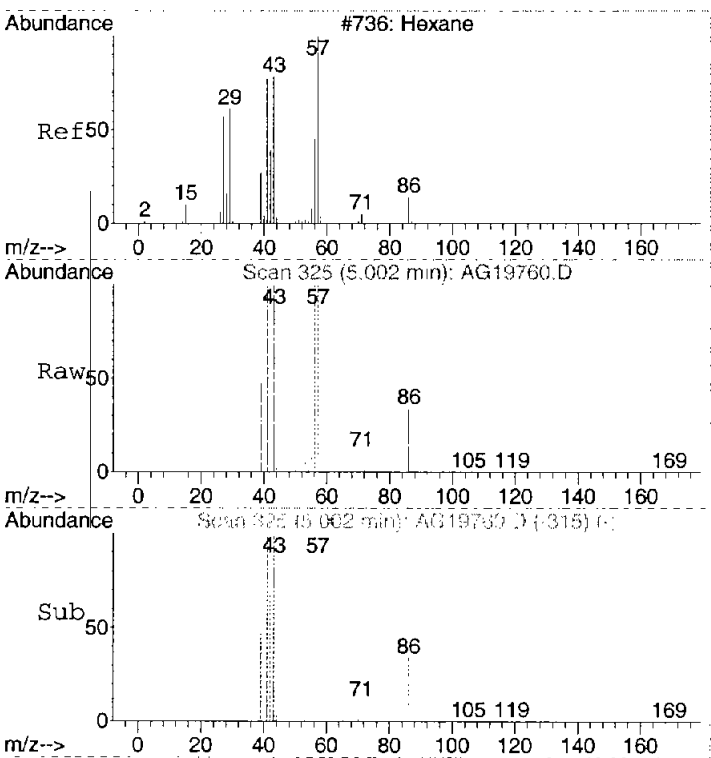


#13
Methylene Chloride
Concen: 1.72 ug/Kg
RT: 4.31 min Scan# 268
Delta R.T. -0.01 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 49 Resp: 110543

Ion	Ratio	Lower	Upper
49	100		
51	30.6	0.0	59.0
84	80.1	49.0	109.0

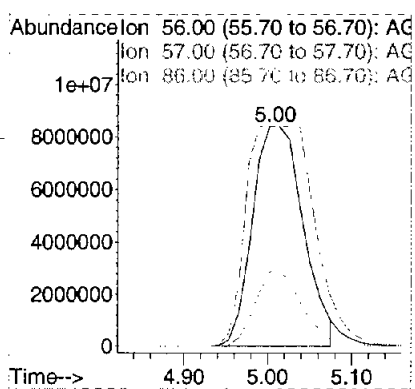


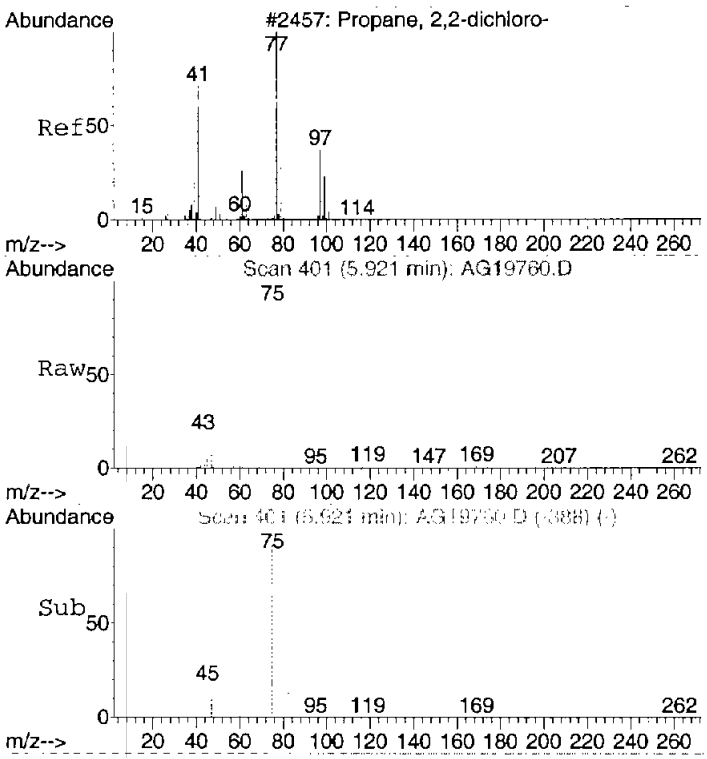


#16
Hexane
Concen: 1242.07 ug/Kg
RT: 5.00 min Scan# 325
Delta R.T. -0.00 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 56 Resp:35375127

Ion	Ratio	Lower	Upper
56	100		
57	0.0	147.6	207.6#
86	32.0	1.8	61.8

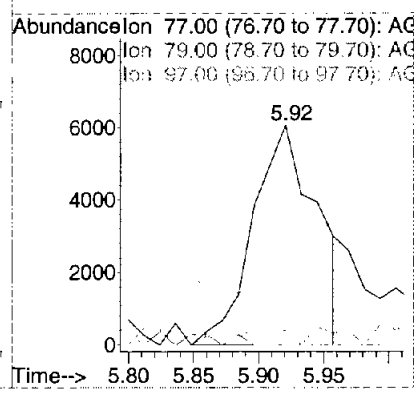


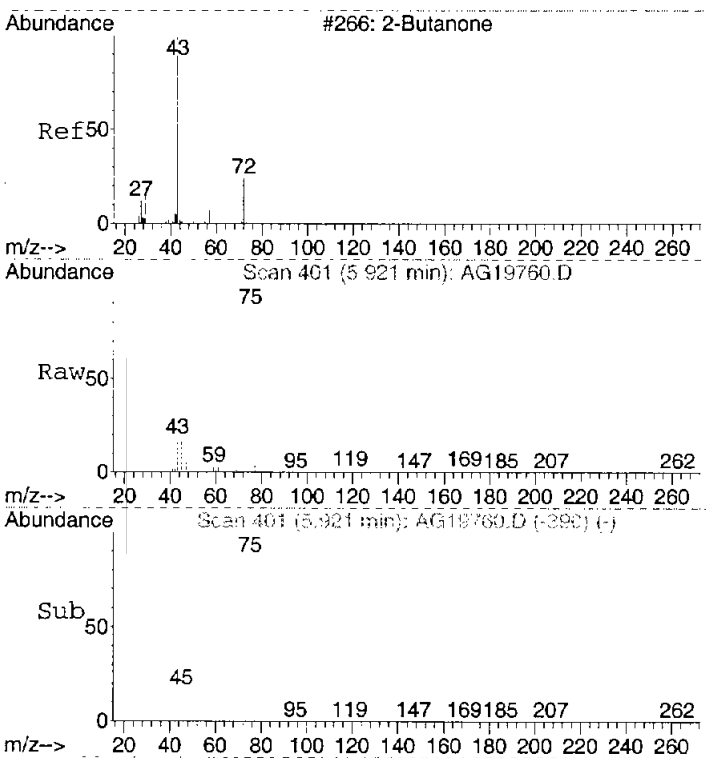


#21
2,2-Dichloropropane
Concen: 0.40 ug/Kg
RT: 5.92 min Scan# 401
Delta R.T. 0.04 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 77 Resp: 20634

Ion	Ratio	Lower	Upper
77	100		
79	3.0	3.0	63.0#
97	6.2	0.0	53.9

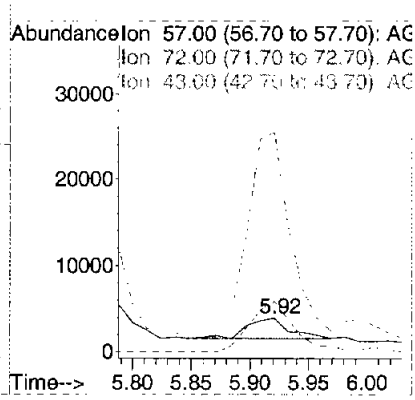


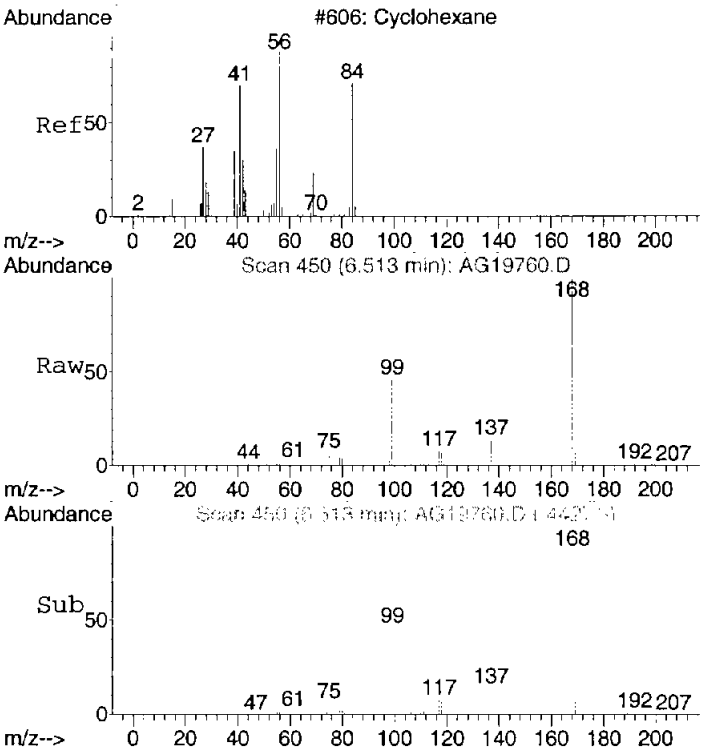


#23
2-Butanone
Concen: 6.29 ug/Kg
RT: 5.92 min Scan# 401
Delta R.T. 0.01 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 57 Resp: 6203

Ion	Ratio	Lower	Upper
57	100		
72	247.8	339.1	399.1#
43	983.5	1410.1	1470.1#

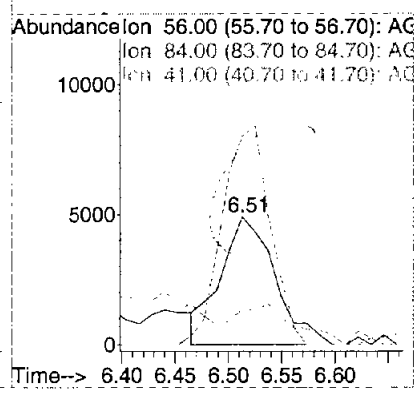


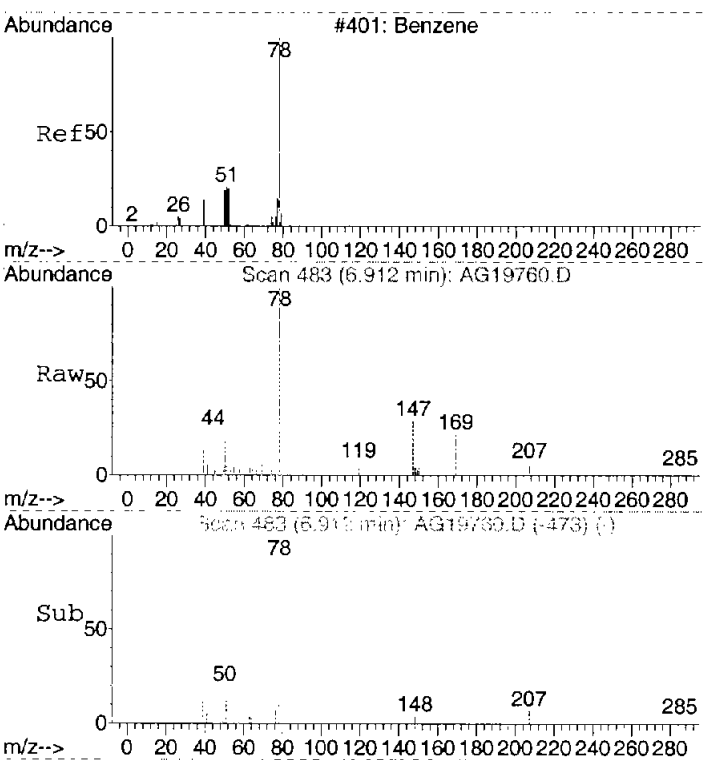


#27
Cyclohexane
Concen: 0.24 ug/Kg
RT: 6.51 min Scan# 450
Delta R.T. -0.02 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 56 Resp: 17491

Ion	Ratio	Lower	Upper
56	100		
84	150.5	59.6	119.6#
41	34.9	21.7	81.7

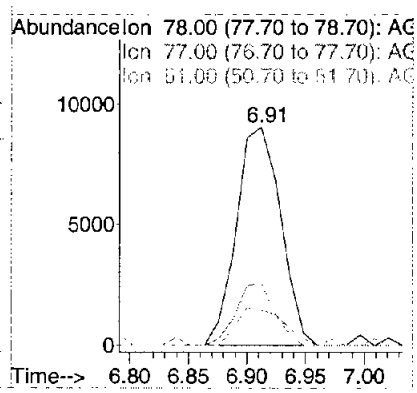


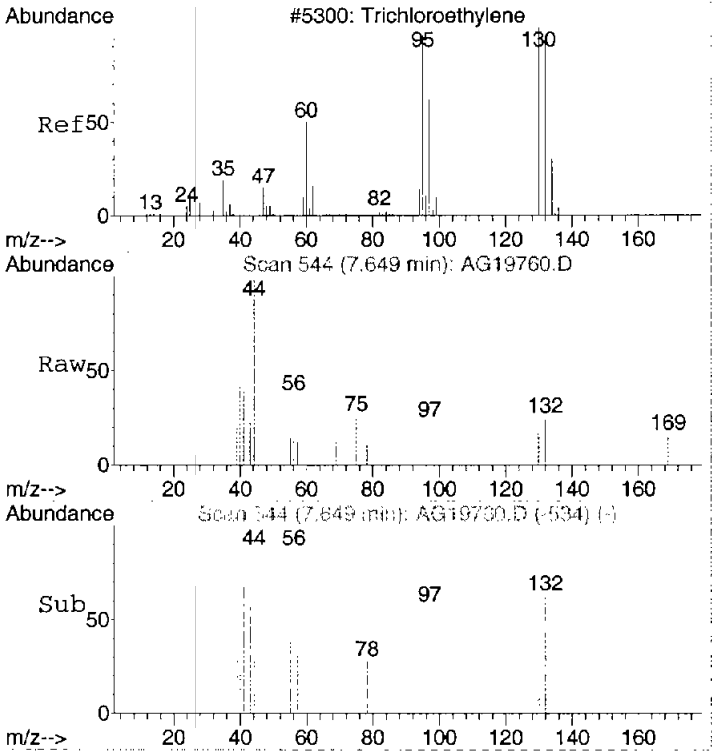


#32
Benzene
Concen: 0.17 ug/Kg
RT: 6.91 min Scan# 483
Delta R.T. 0.00 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 78 Resp: 23747

Ion	Ratio	Lower	Upper
78	100		
77	27.3	0.0	53.2
51	16.6	0.0	46.6

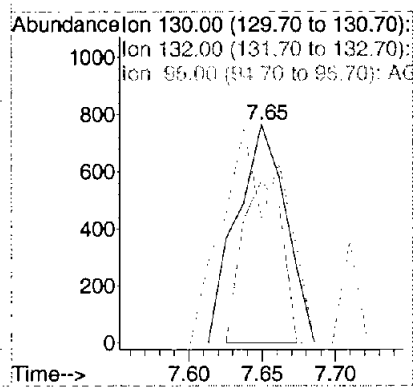


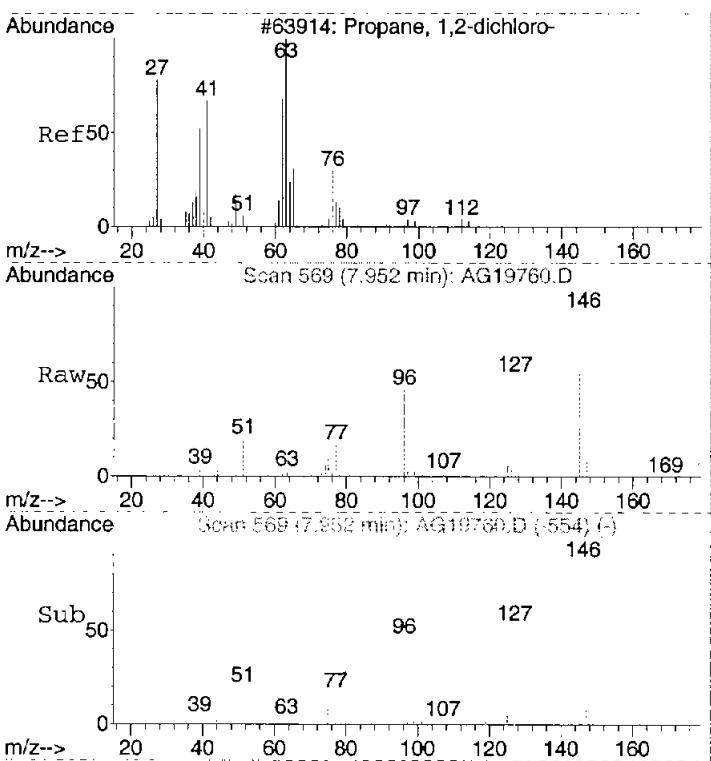


#37
Trichloroethene
Concen: 0.04 ug/Kg
RT: 7.65 min Scan# 544
Delta R.T. 0.00 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:130 Resp: 1788

Ion	Ratio	Lower	Upper
130	100		
132	60.4	69.6	129.6#
95	117.3	64.7	124.7

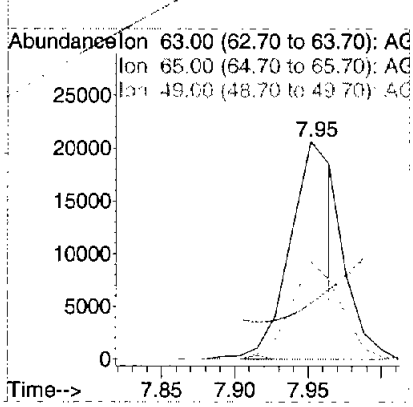


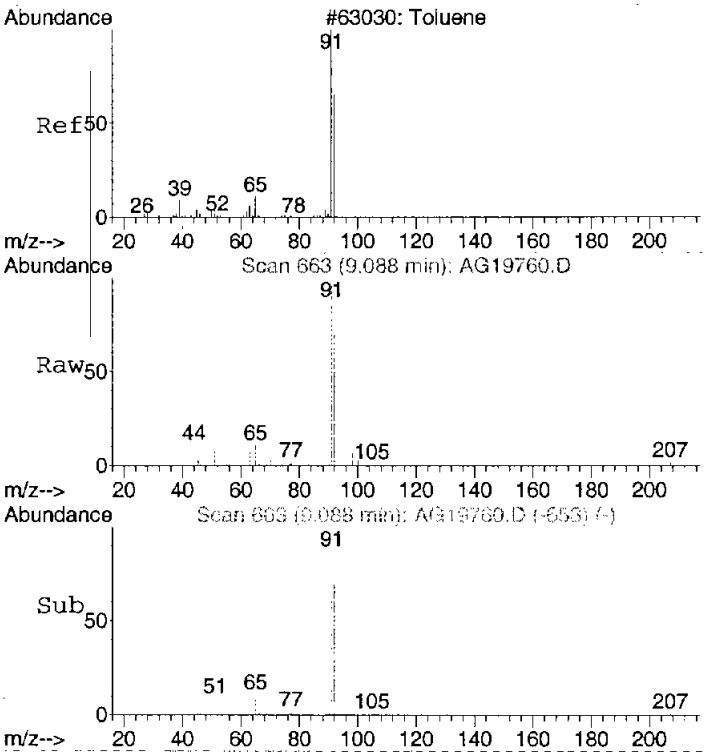


#39
1,2-Dichloropropane
Concen: 1.15 ug/Kg
RT: 7.95 min Scan# 569
Delta R.T. 0.06 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 63 Resp: 41694

Ion	Ratio	Lower	Upper
63	100		
65	0.6	0.0	57.0
49	43.1	0.0	43.4

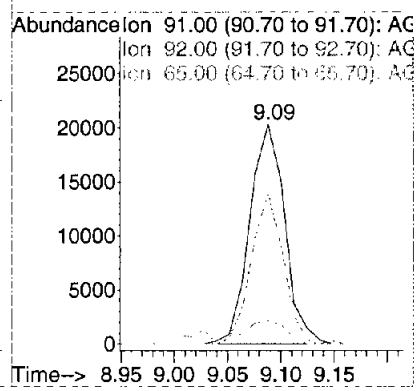


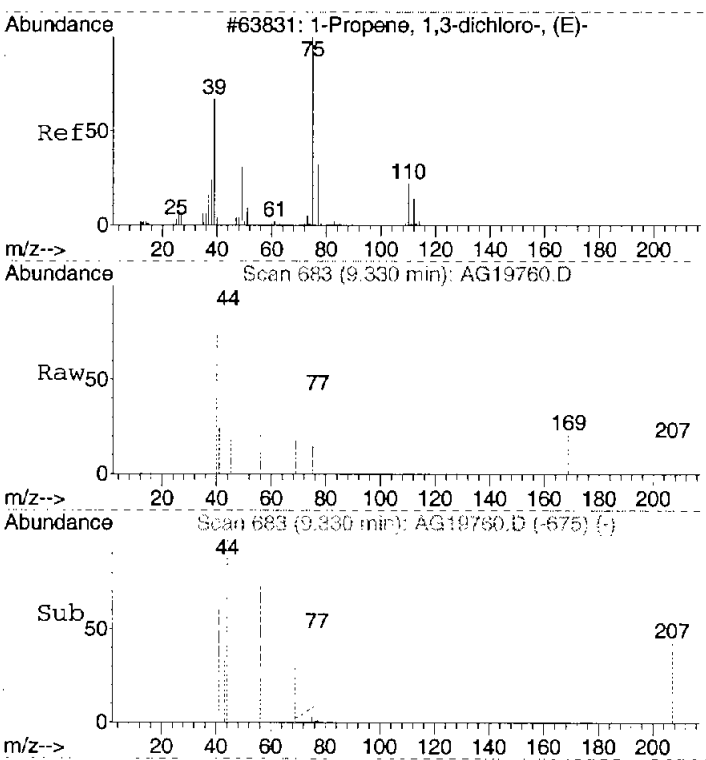


#46
Toluene
Concen: 0.31 ug/Kg
RT: 9.09 min Scan# 663
Delta R.T. -0.00 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 91 Resp: 46260

Ion	Ratio	Lower	Upper
91	100		
92	63.0	31.1	91.1
65	12.5	0.0	41.0

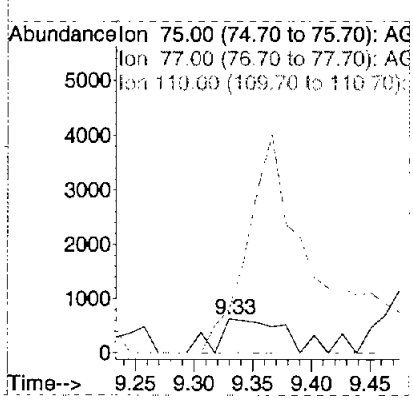


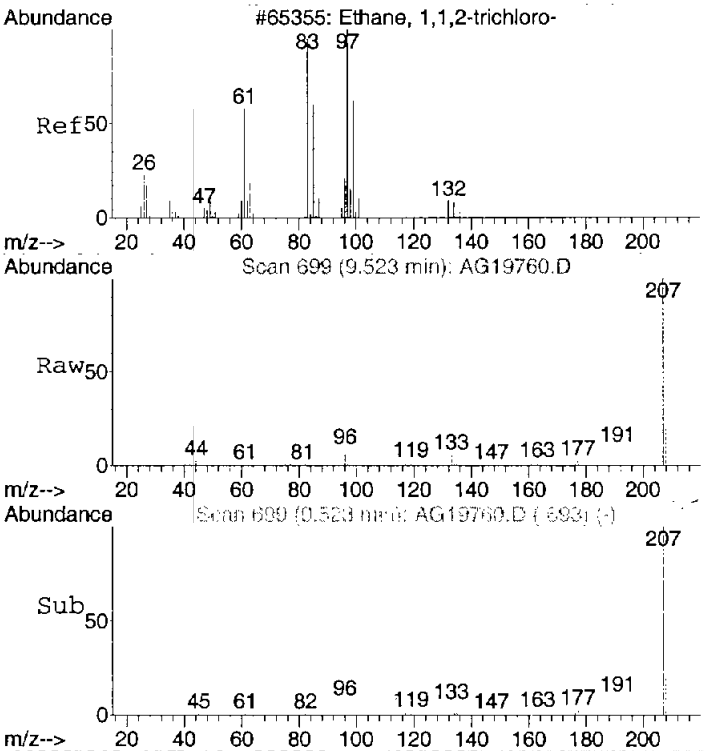


#47
trans-1,3-Dichloropropene
Concen: 0.06 ug/Kg
RT: 9.33 min Scan# 683
Delta R.T. -0.02 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 75 Resp: 2549

Ion	Ratio	Lower	Upper
75	100		
77	521.8	3.9	63.9#
110	0.0	0.0	57.9

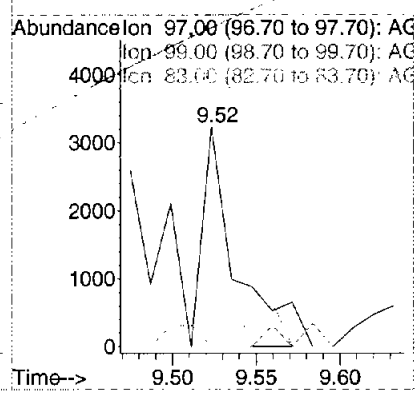


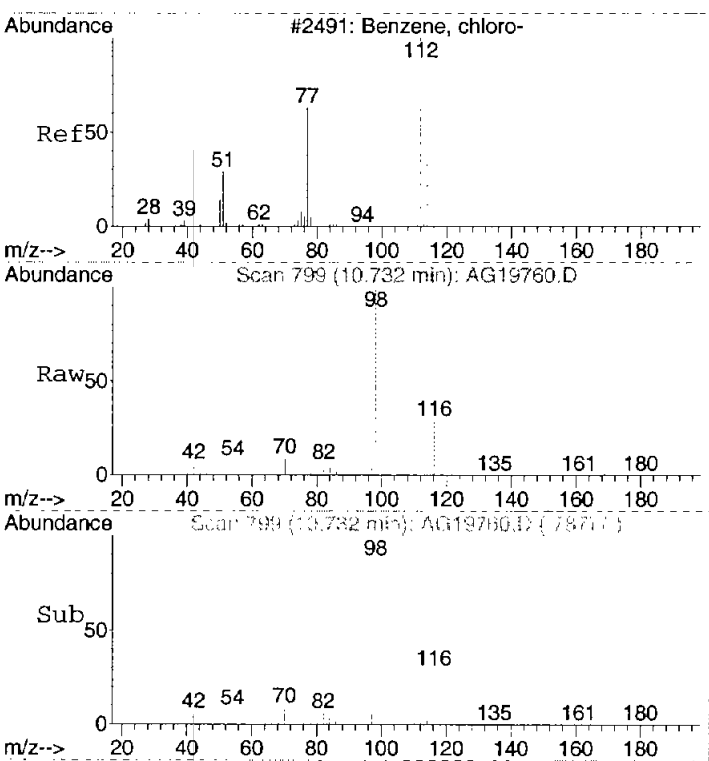


#48
1,1,2-Trichloroethane
Concen: 0.17 ug/Kg
RT: 9.52 min Scan# 699
Delta R.T. -0.05 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 97 Resp: 4562

Ion	Ratio	Lower	Upper
97	100		
99	0.0	37.2	97.2#
83	9.8	53.2	113.2#

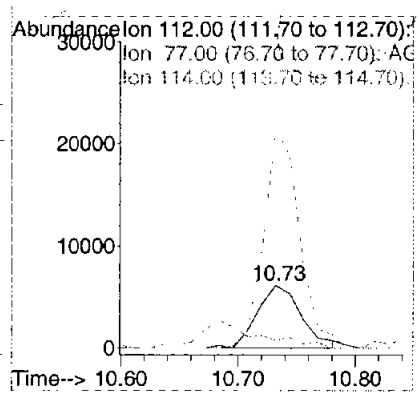


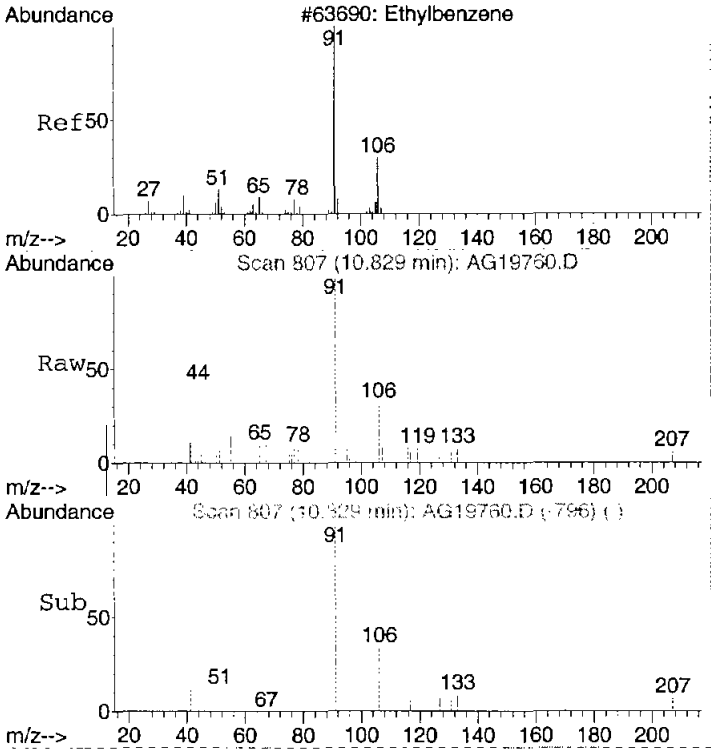


#56
Chlorobenzene
Concen: 0.16 ug/Kg
RT: 10.73 min Scan# 799
Delta R.T. 0.03 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:112 Resp: 16085

Ion	Ratio	Lower	Upper
112	100		
77	59.2	24.8	84.8
114	282.1	3.0	63.0#

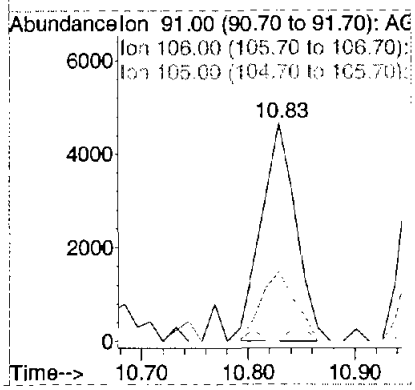


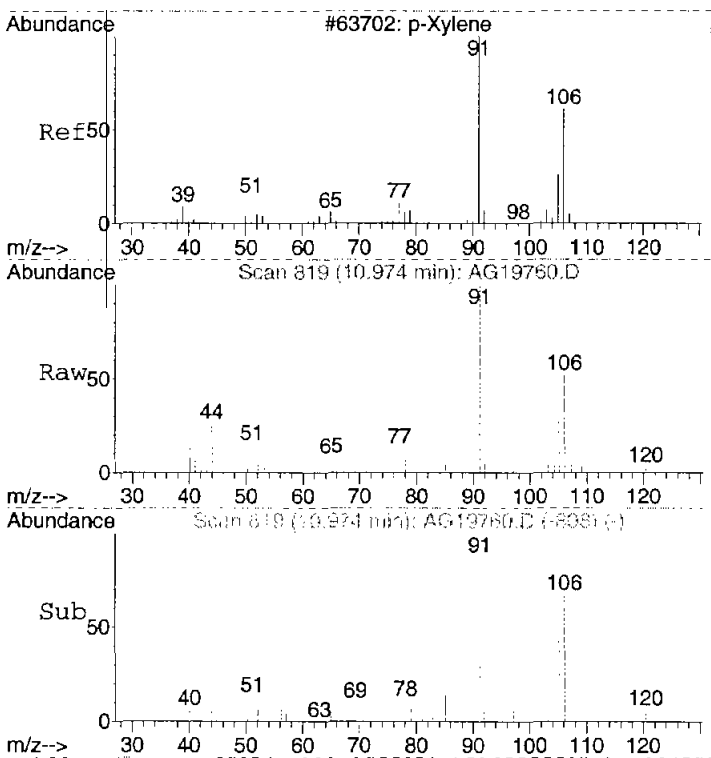


#58
Ethylbenzene
Concen: 0.07 ug/Kg
RT: 10.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 91 Resp: 11111

Ion	Ratio	Lower	Upper
91	100		
106	29.8	2.3	62.3
105	3.4	0.0	34.8

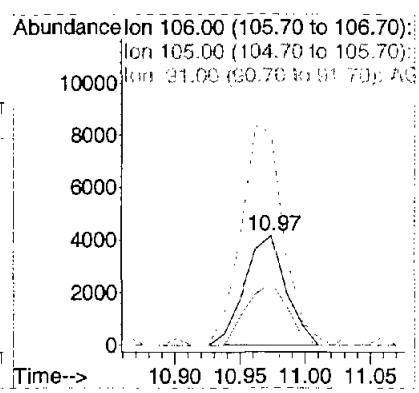


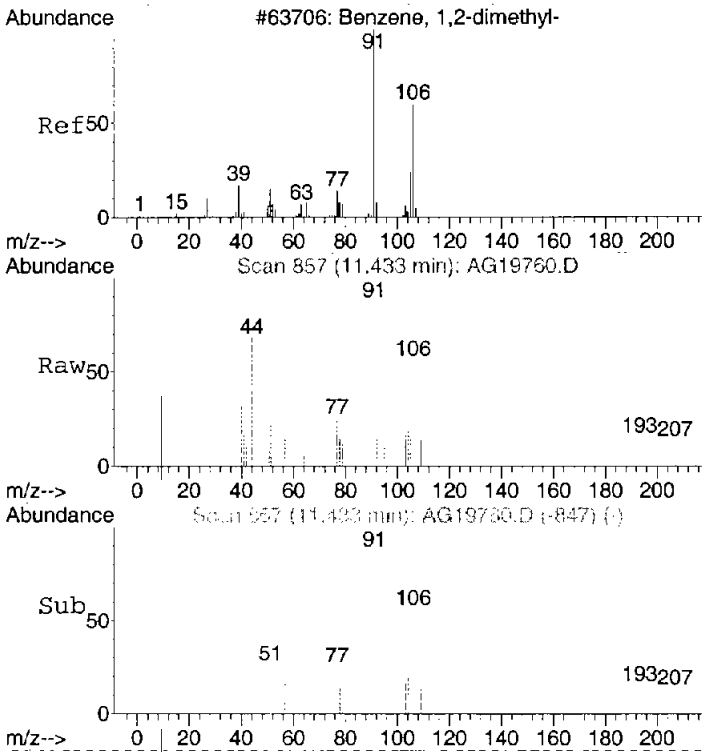


#59
m,p-Xylene
Concen: 0.14 ug/Kg
RT: 10.97 min Scan# 819
Delta R.T. 0.01 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:106 Resp: 9214

Ion	Ratio	Lower	Upper
106	100		
105	56.4	15.7	75.7
91	207.2	165.6	225.6

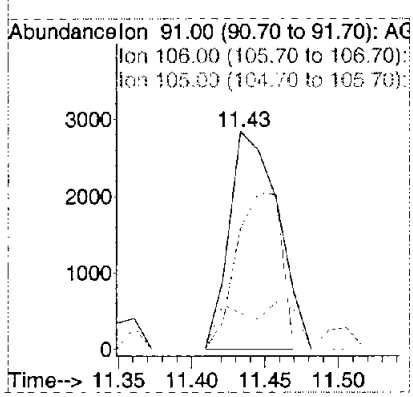


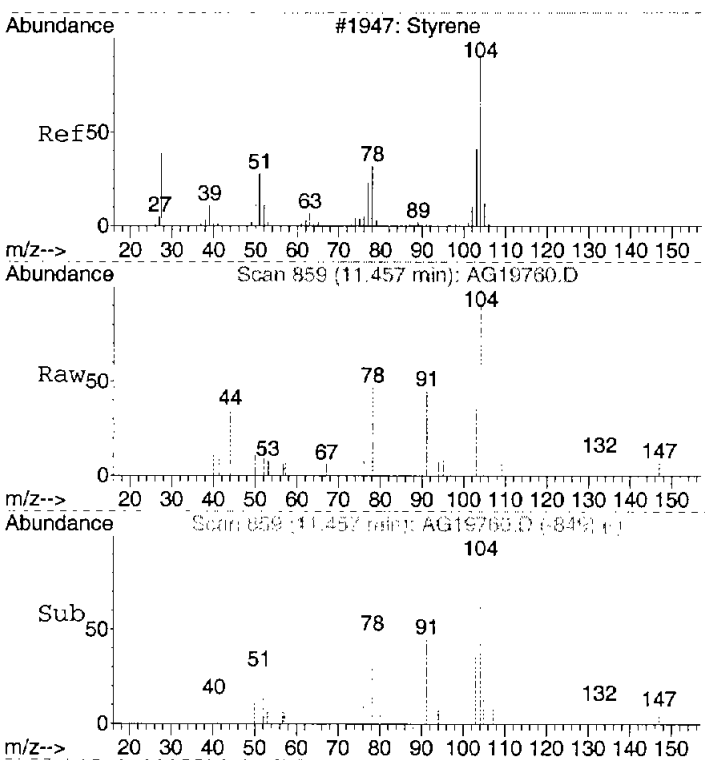


#60
o-Xylene
Concen: 0.05 ug/Kg
RT: 11.43 min Scan# 857
Delta R.T. 0.00 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 91 Resp: 6595

Ion	Ratio	Lower	Upper
91	100		
106	66.2	18.7	78.7
105	16.0	0.0	51.7

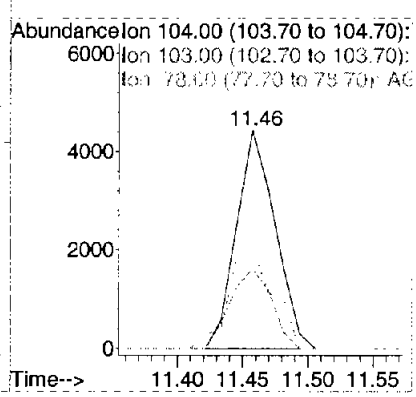


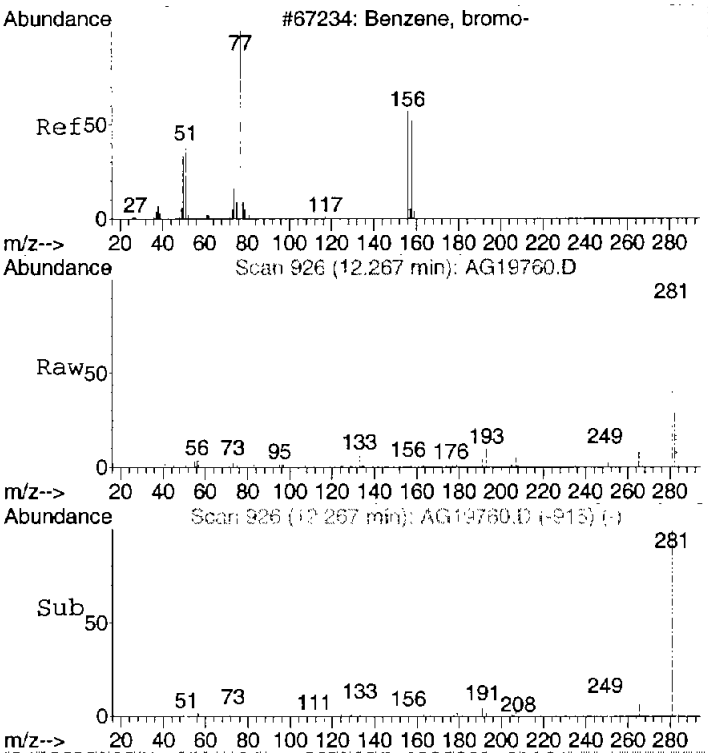


#61
Styrene
Concen: 0.09 ug/Kg
RT: 11.46 min Scan# 859
Delta R.T. 0.00 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:104 Resp: 9191

Ion	Ratio	Lower	Upper
104	100		
103	38.7	16.9	76.9
78	53.2	10.4	70.4

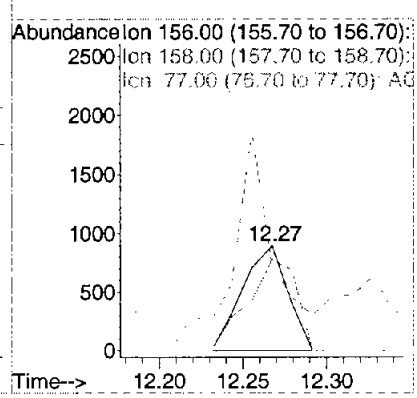


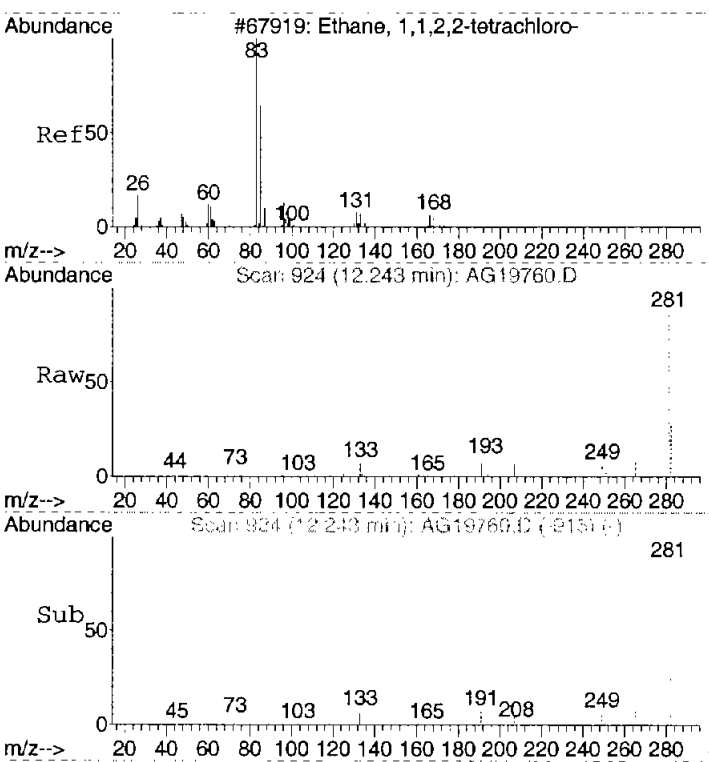


#65
Bromobenzene
Concen: 0.04 ug/Kg
RT: 12.27 min Scan# 926
Delta R.T. 0.01 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:156 Resp: 1689

Ion	Ratio	Lower	Upper
156	100		
158	94.1	69.2	129.2
77	191.6	122.4	182.4#

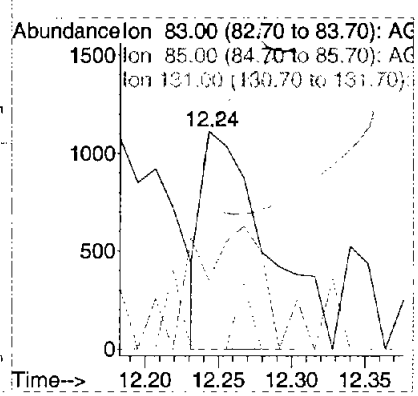


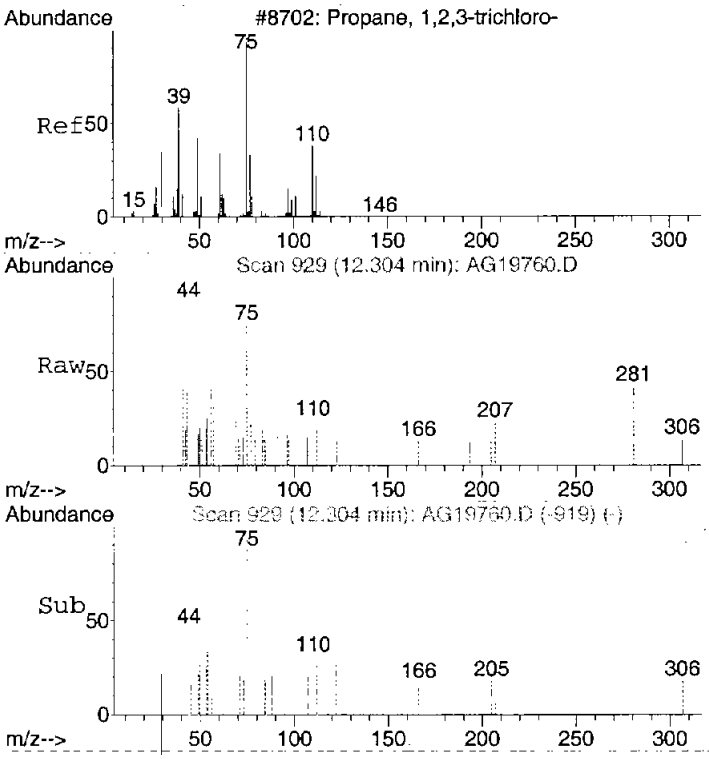


#66
1,1,2,2-Tetrachloroethane
Concen: 0.07 ug/Kg
RT: 12.24 min Scan# 924
Delta R.T. -0.01 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 83 Resp: 3403

Ion	Ratio	Lower	Upper
83	100		
85	0.0	9.9	69.9#
131	8.7	0.0	37.0

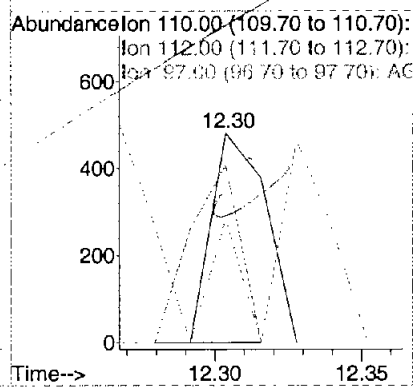


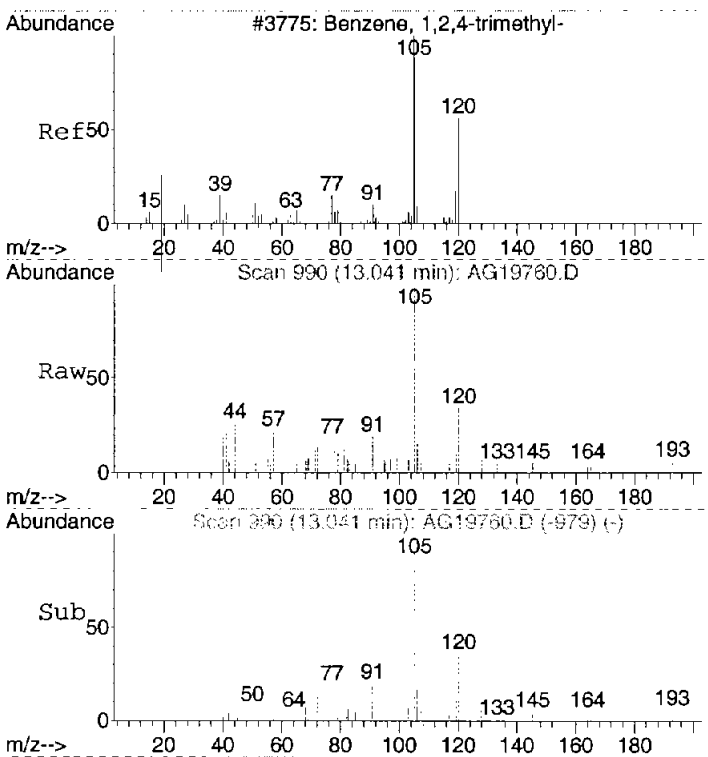


#67
1,2,3-Trichloropropane
Concen: Below Cal
RT: 12.30 min Scan# 929
Delta R.T. 0.00 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:110 Resp: 624

Ion	Ratio	Lower	Upper
110	100		
112	77.7	30.1	90.1
97	118.1	23.6	83.6#

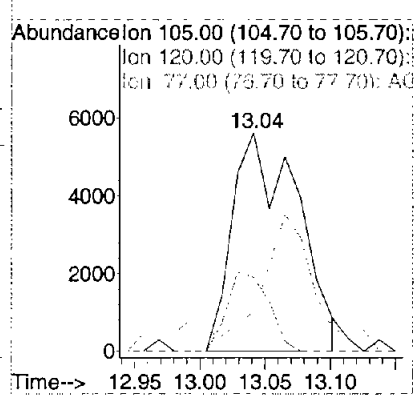


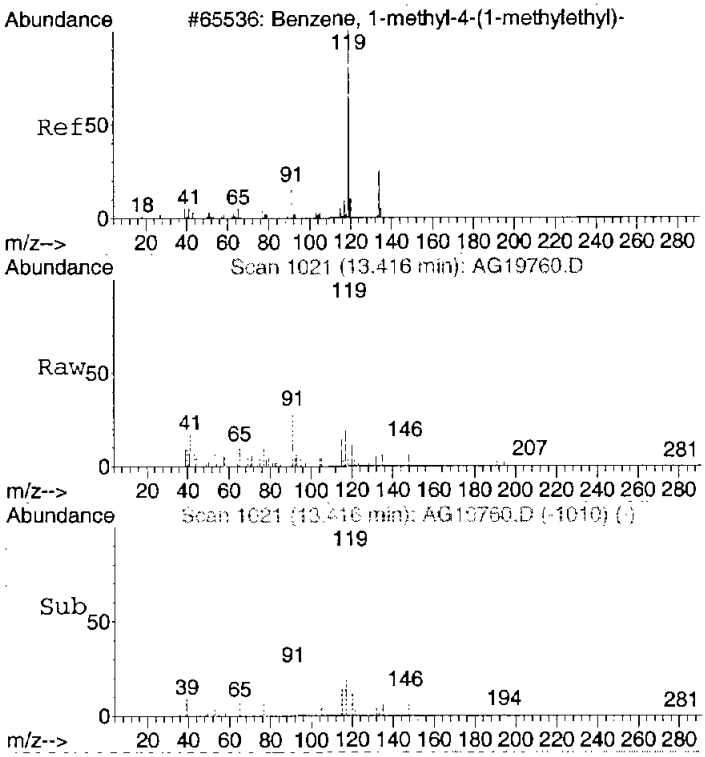


#73
1,2,4-Trimethylbenzene
Concen: 0.15 ug/Kg
RT: 13.04 min Scan# 990
Delta R.T. 0.01 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:105 Resp: 19630

Ion	Ratio	Lower	Upper
105	100		
120	23.1	19.2	79.2
77	37.4	0.0	41.5

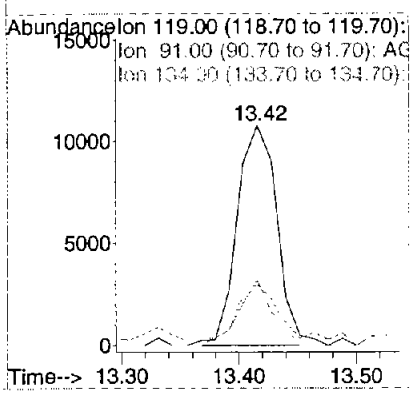


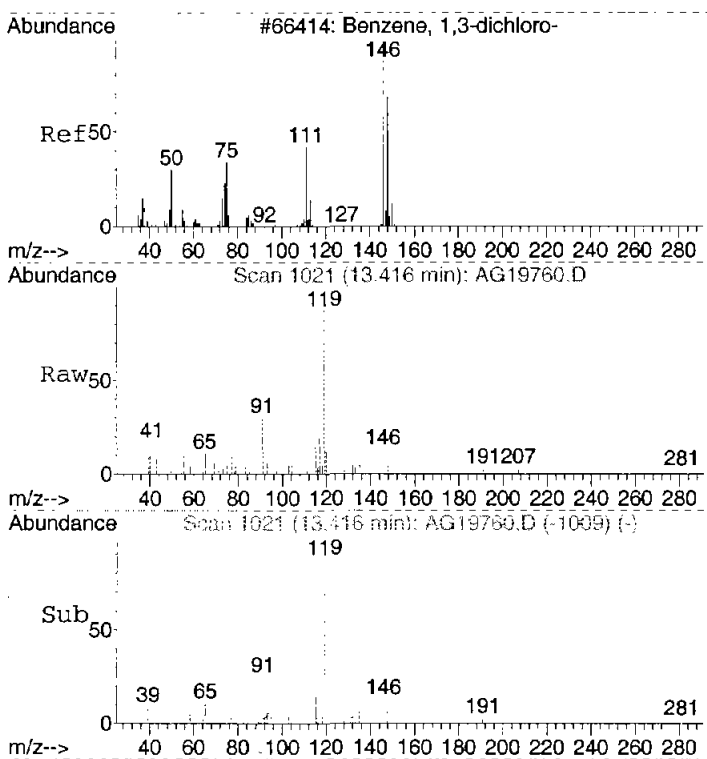


#75
4-Isopropyltoluene
Concen: 0.18 ug/Kg
RT: 13.42 min Scan# 1021
Delta R.T. 0.02 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:119 Resp: 25523

Ion	Ratio	Lower	Upper
119	100		
91	23.6	0.0	51.9
134	28.1	0.0	55.6

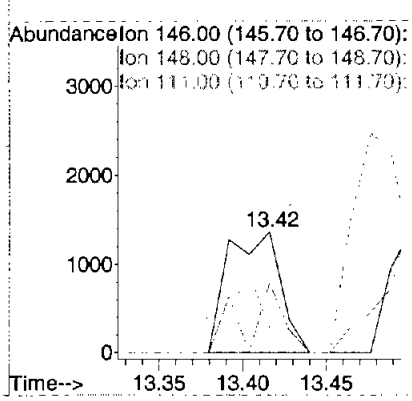


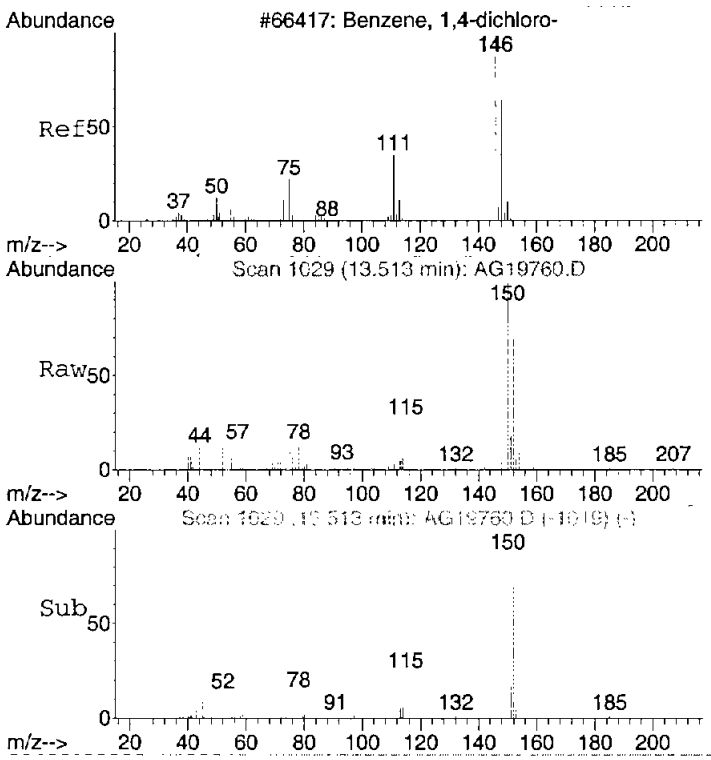


#76
1,3-Dichlorobenzene
Concen: 0.04 ug/Kg
RT: 13.42 min Scan# 1021
Delta R.T. 0.03 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:146 Resp: 2998

Ion	Ratio	Lower	Upper
146	100		
148	15.5	32.5	92.5#
111	57.9	8.3	68.3

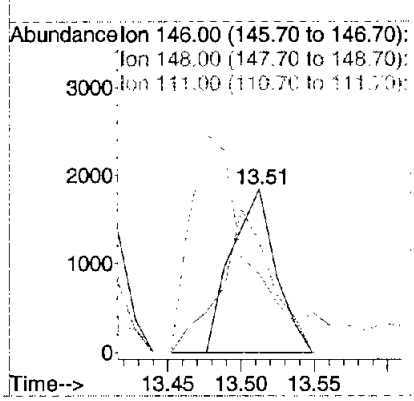


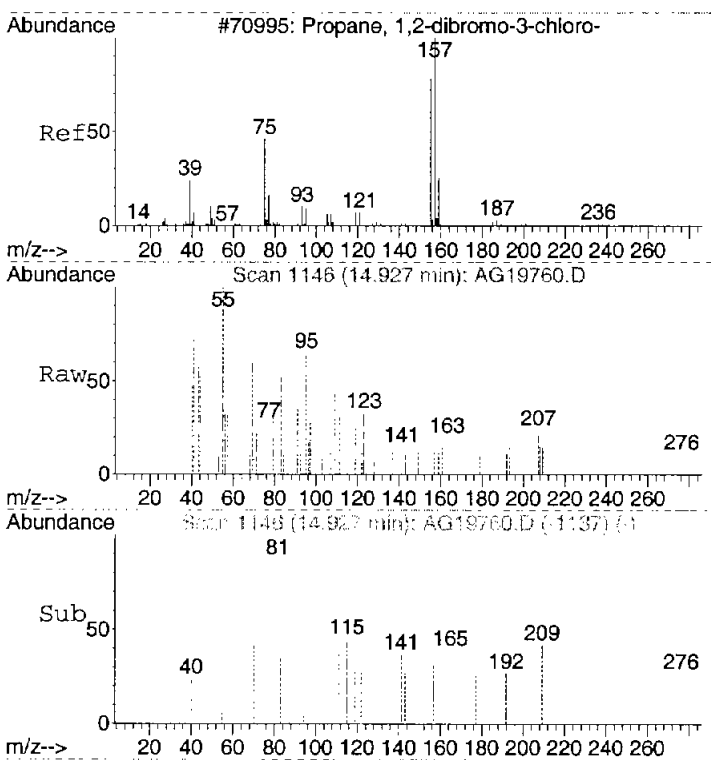


#78
1,4-Dichlorobenzene
Concen: 0.06 ug/Kg
RT: 13.51 min Scan# 1029
Delta R.T. -0.00 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:146 Resp: 3897

Ion	Ratio	Lower	Upper
146	100		
148	100.1	33.3	93.3#
111	183.2	6.8	66.8#

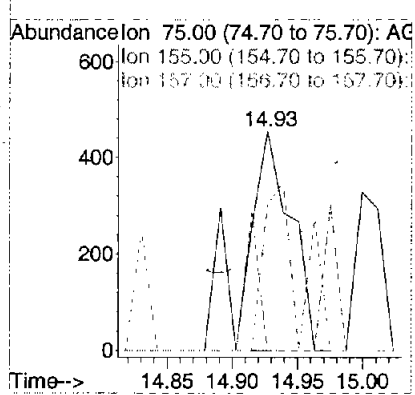


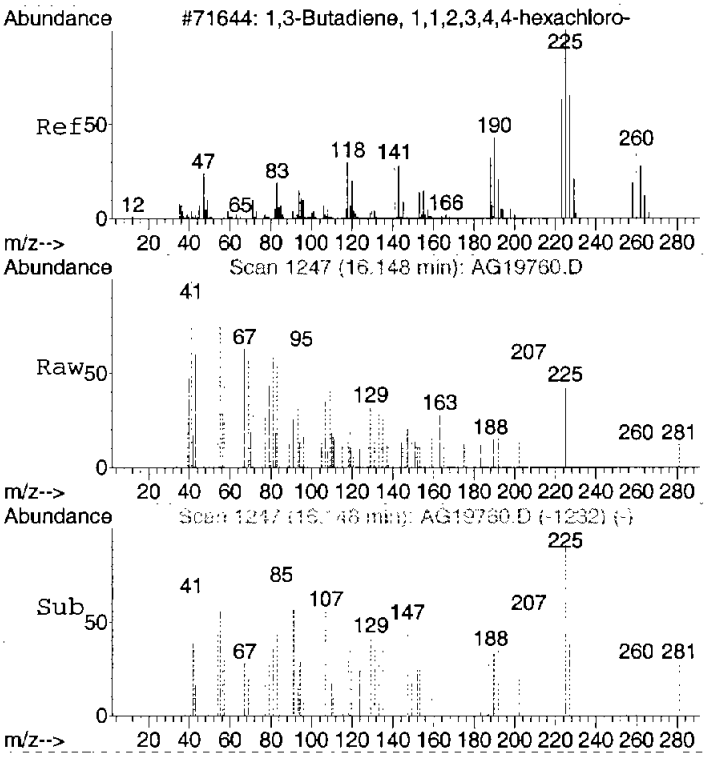


#81
1,2-Dibromo-3-chloropropane
Concen: 0.31 ug/Kg
RT: 14.93 min Scan# 1146
Delta R.T. -0.01 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion: 75 Resp: 1132

Ion	Ratio	Lower	Upper
75	100		
155	18.4	64.6	124.6#
157	59.2	99.7	159.7#

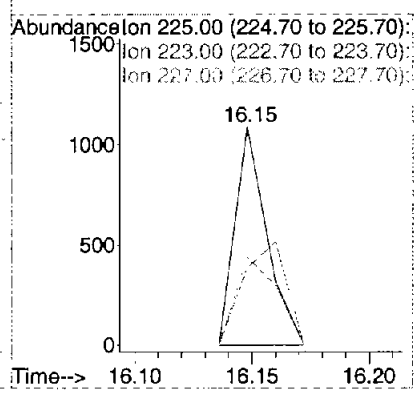




#84
Hexachlorobutadiene
Concen: Below Cal
RT: 16.15 min Scan# 1247
Delta R.T. -0.00 min
Lab File: AG19760.D
Acq: 3 Dec 2004 4:21 pm

Tgt Ion:225 Resp: 1020

Ion	Ratio	Lower	Upper
225	100		
223	35.7	33.4	93.4
227	40.4	26.3	86.3



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19761.D
Acq On : 3 Dec 2004 4:47 pm
Sample : 125060-4 voa1056
Misc : Soil #3.918
MS Integration Params: RTEINT.P
Quant Time: Dec 06 11:04:34 2004

Vial: 11
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	848133	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1215509	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	233192	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.48	152	509834	10.00	ug/Kg	-0.01

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	393700	9.85	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	98.50%	
34) Fluorobenzene(S)	7.23	96	1352799	8.78	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	87.80%#	
36) Trifluorotoluene(S)	7.96	146	1137357	17.98	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery	=	89.90%	
45) Toluene-d8(S)	9.02	98	1313727	9.87	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	98.70%	
55) Ethylbenzene-d10(S)	10.73	98	1651448	9.66	ug/Kg	0.00
Spiked Amount 10.000	Range 89 - 109		Recovery	=	96.60%	
64) Bromofluorobenzene(S)	12.09	174	434966	9.90	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	99.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.67	85	7068	0.15	ug/Kg#	1
3) Chloromethane	1.87	50	8242	Below Cal		89
7) Trichlorofluoromethane	2.90	101	1993	Below Cal #		32
11) Acetone	3.73	43	726282	104.73	ug/Kg	97
13) Methylene Chloride	4.31	49	189057	3.17	ug/Kg	99
16) Hexane	4.99	56	39044471	1266.61	ug/Kg#	1
21) 2,2-Dichloropropane	5.93	77	5459	0.10	ug/Kg#	53
23) 2-Butanone	5.92	57	8044	7.80	ug/Kg#	34
27) Cyclohexane	6.53	56	40342	0.51	ug/Kg	81
32) Benzene	6.91	78	12171	0.08	ug/Kg	91
46) Toluene	9.09	91	26466	0.17	ug/Kg	98
56) Chlorobenzene	10.74	112	16272	0.15	ug/Kg#	1
58) Ethylbenzene	10.83	91	5873	0.03	ug/Kg#	96
59) m,p-Xylene	10.96	106	6821	0.10	ug/Kg	88
60) o-Xylene	11.45	91	4720	0.04	ug/Kg#	65
61) Styrene	11.46	104	7734	0.07	ug/Kg	87
66) 1,1,2,2-Tetrachloroethane	12.23	83	4944+	0.10	ug/Kg	56
67) 1,2,3-Trichloropropane	12.23	110	3641	0.14	ug/Kg#	68
73) 1,2,4-Trimethylbenzene	13.07	105	14144	0.10	ug/Kg#	33

(#) = qualifier out of range (m) = manual integration (+) = signals summed

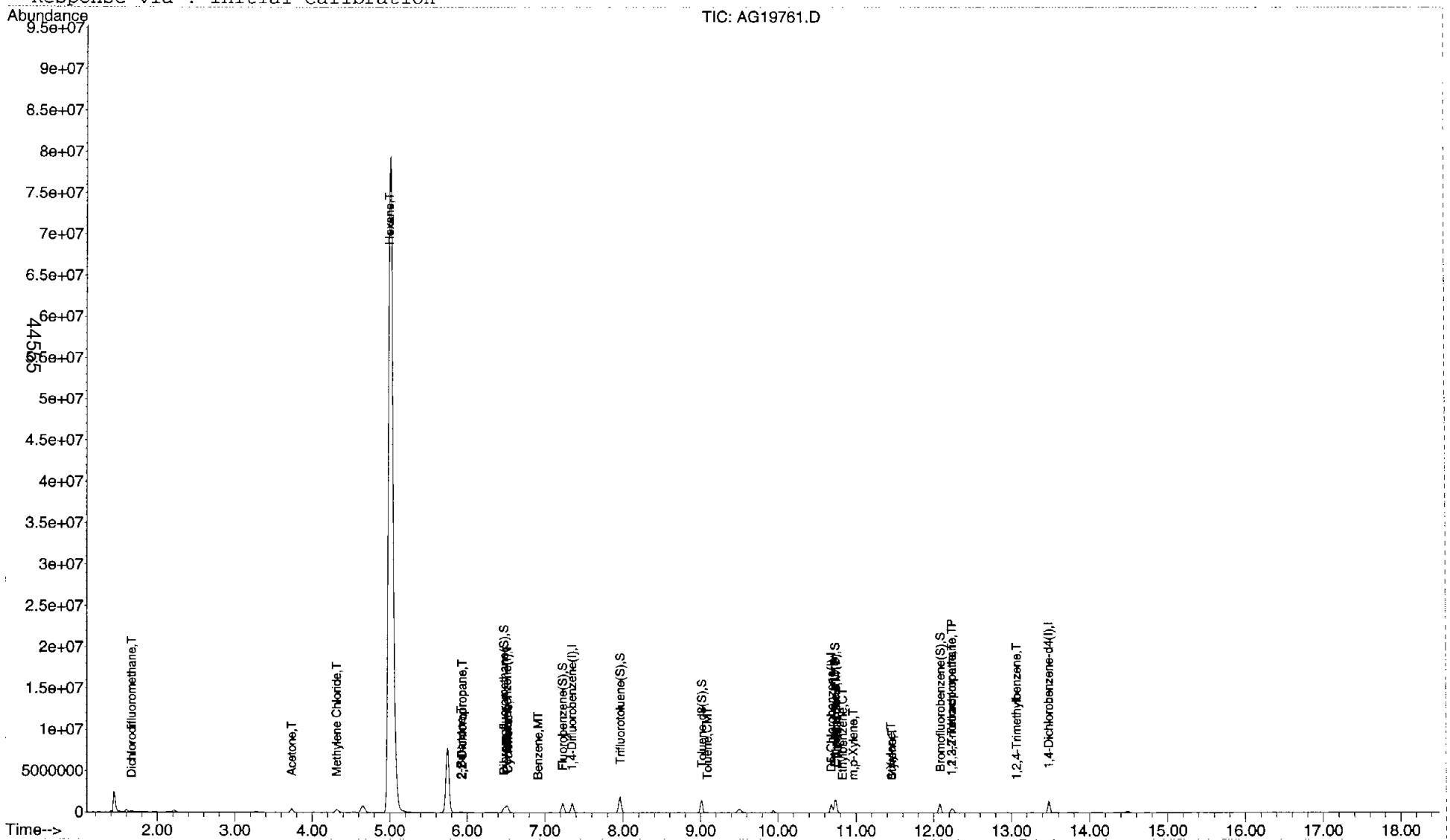
00256

Quantitation Report (Not Reviewed)

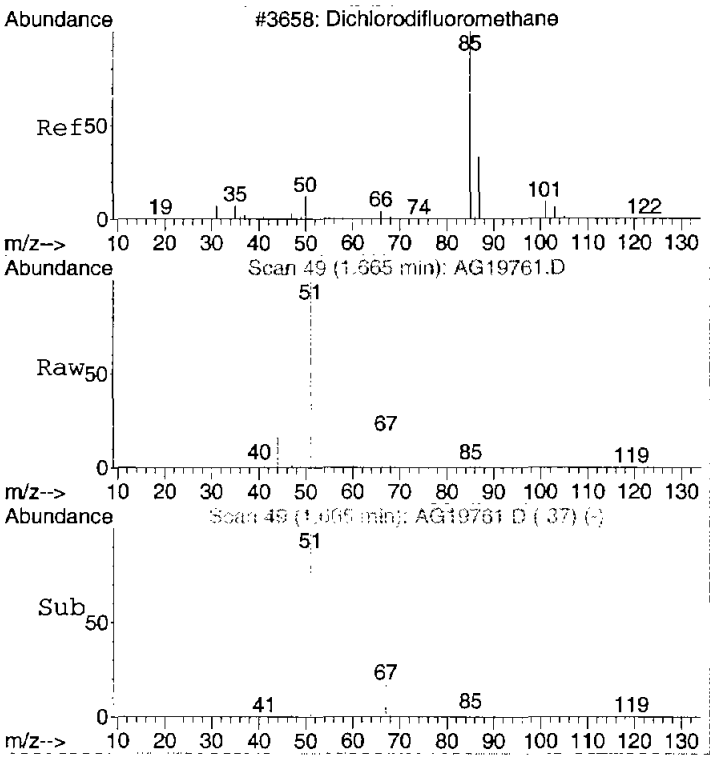
Data File : E:\DATA\12032004\AG19761.D
Acq On : 3 Dec 2004 4:47 pm
Sample : 125060-4 voa1056
Misc : Soil #3.918
MS Integration Params: RTEINT.P
Quant Time: Dec 6 11:04 2004

Vial: 11
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



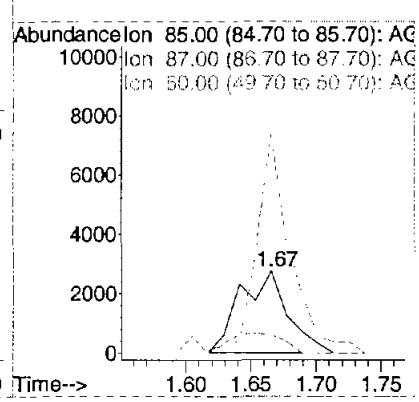
44555
00257

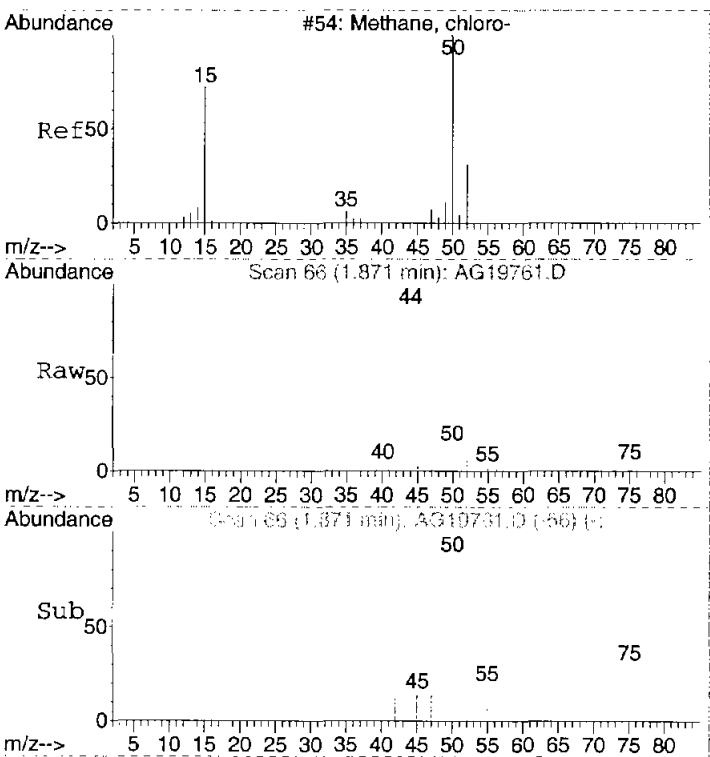


#2
Dichlorodifluoromethane
Concen: 0.15 ug/Kg
RT: 1.67 min Scan# 49
Delta R.T. 0.02 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 85 Resp: 7068

Ion	Ratio	Lower	Upper
85	100		
87	27.4	1.5	61.5
50	185.2	0.0	40.1#

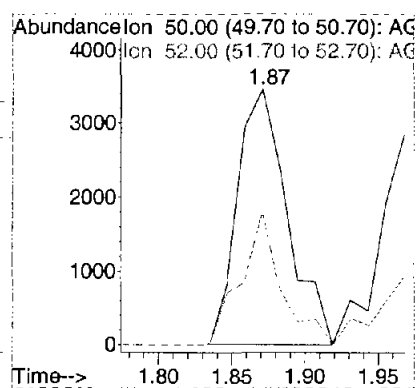


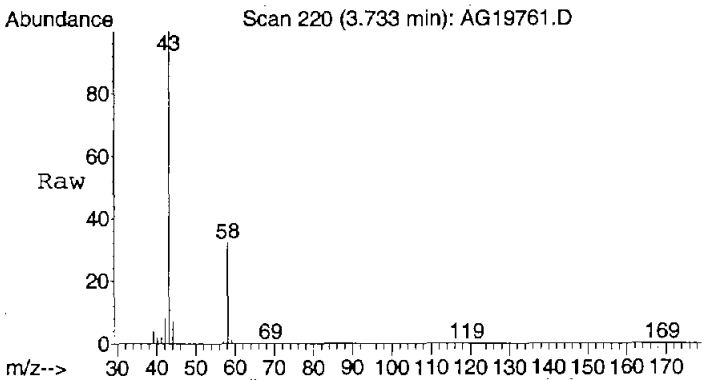


#3
Chloromethane
Concen: Below Cal
RT: 1.87 min Scan# 66
Delta R.T. 0.00 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 50 Resp: 8242

Ion	Ratio	Lower	Upper
50	100		
52	42.1	5.5	65.5

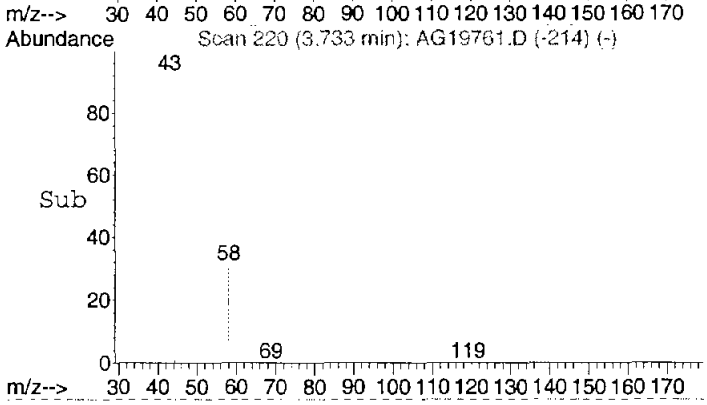


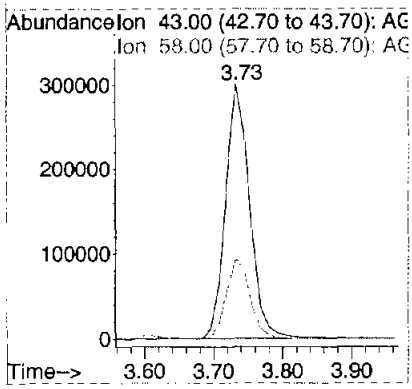


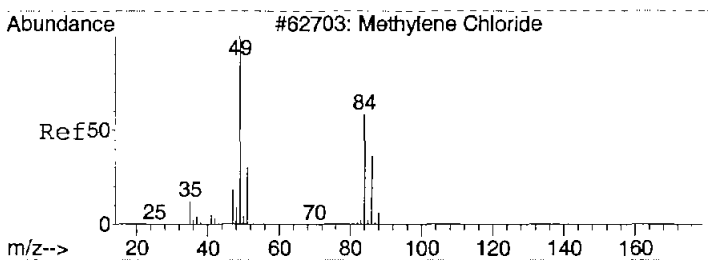
#11
Acetone
Concen: 104.73 ug/Kg
RT: 3.73 min Scan# 220
Delta R.T. 0.01 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 43 Resp: 726282

Ion	Ratio	Lower	Upper
43	100		
58	30.8	2.4	62.4



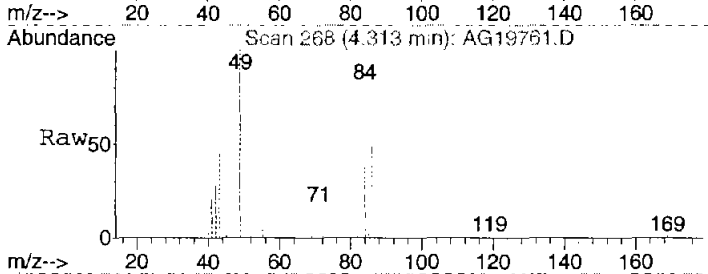


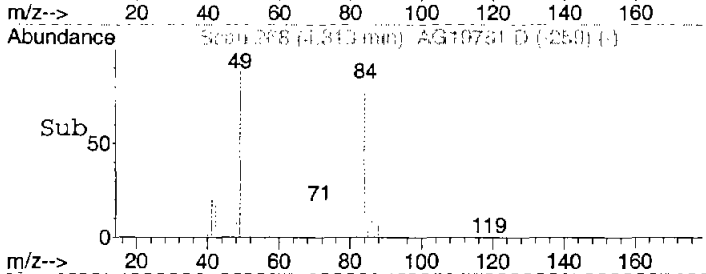


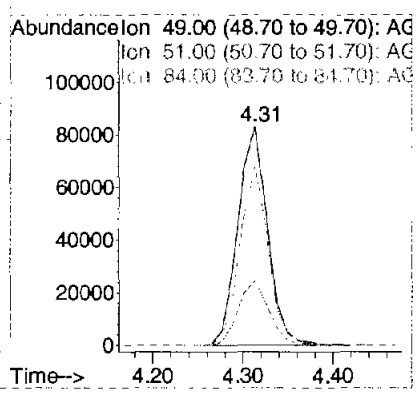
#13
Methylene Chloride
Concen: 3.17 ug/Kg
RT: 4.31 min Scan# 268
Delta R.T. -0.01 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

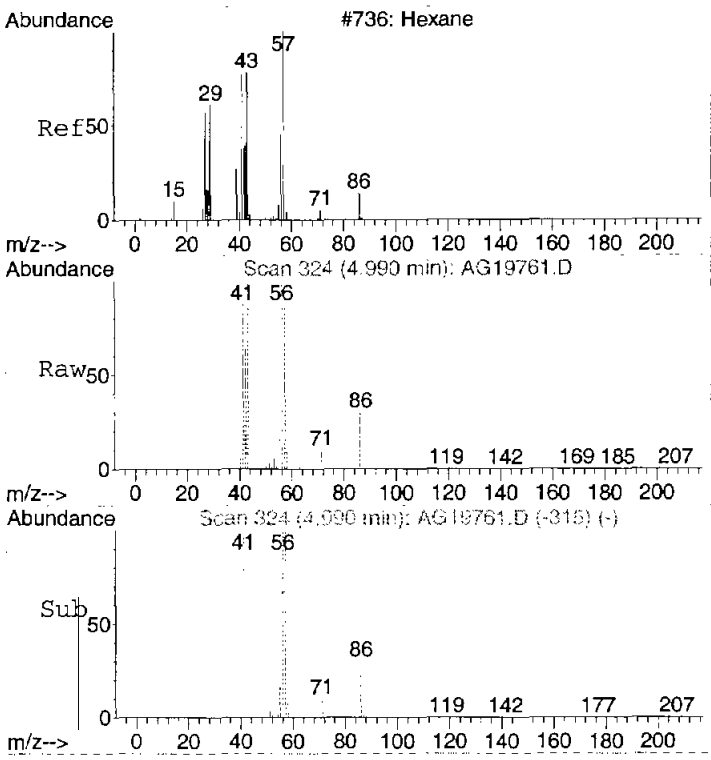
Tgt Ion: 49 Resp: 189057

Ion	Ratio	Lower	Upper
49	100		
51	30.7	0.0	59.0
84	79.5	49.0	109.0





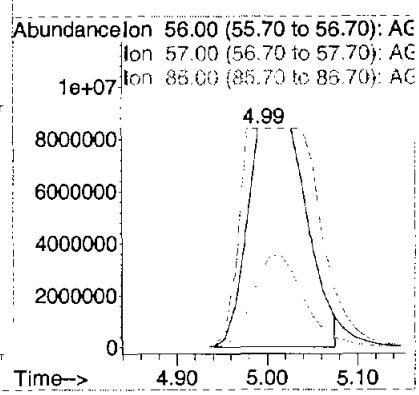


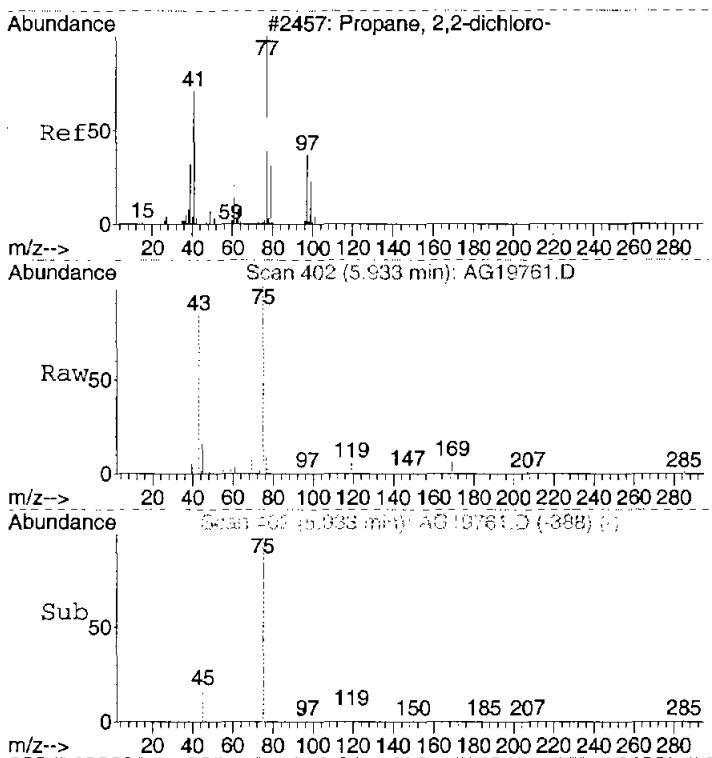


#16
Hexane
Concen: 1266.61 ug/Kg
RT: 4.99 min Scan# 324
Delta R.T. -0.01 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 56 Resp:39044471

Ion	Ratio	Lower	Upper
56	100		
57	0.0	147.6	207.6#
86	35.1	1.8	61.8

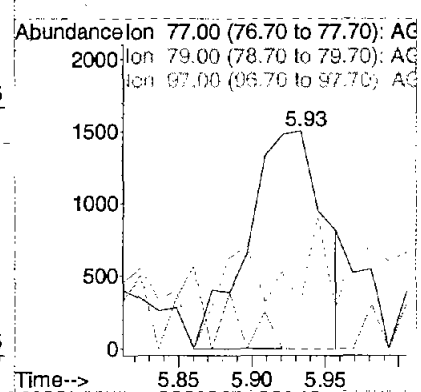


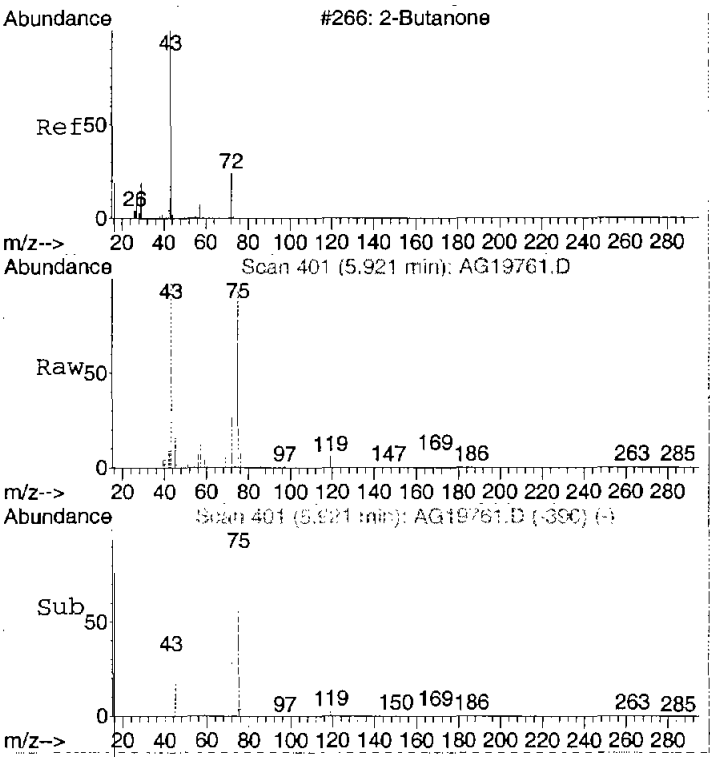


#21
2,2-Dichloropropane
Concen: 0.10 ug/Kg
RT: 5.93 min Scan# 402
Delta R.T. 0.05 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 77 Resp: 5459

Ion	Ratio	Lower	Upper
77	100		
79	0.0	3.0	63.0#
97	9.0	0.0	53.9

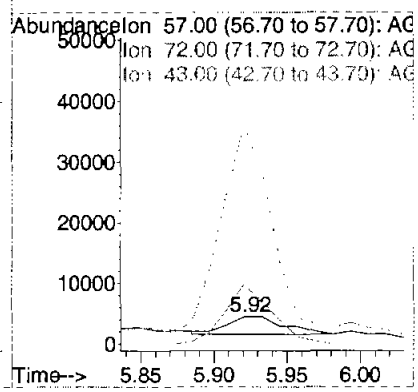


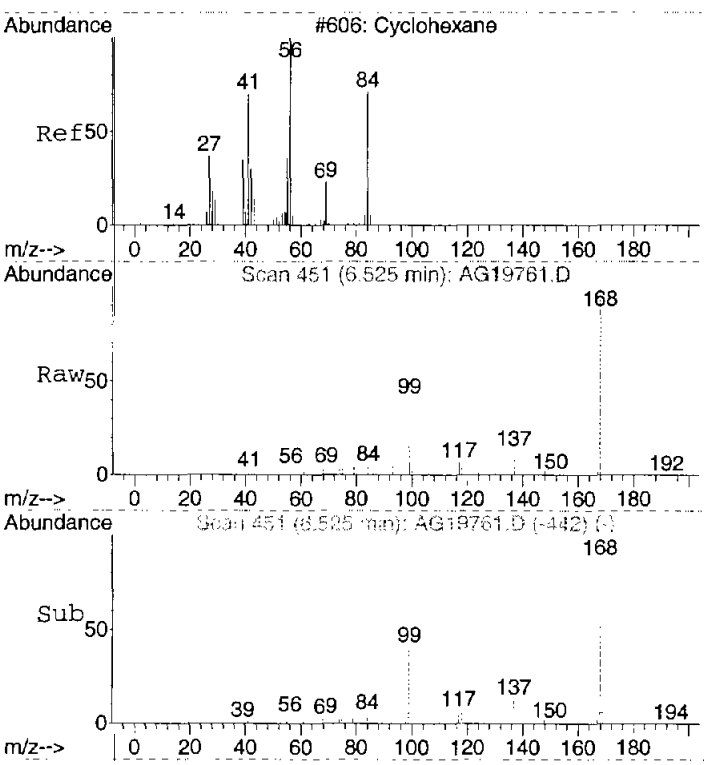


#23
2-Butanone
Concen: 7.80 ug/Kg
RT: 5.92 min Scan# 401
Delta R.T. 0.01 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 57 Resp: 8044

Ion	Ratio	Lower	Upper
57	100		
72	275.8	339.1	399.1#
43	1021.0	1410.1	1470.1#

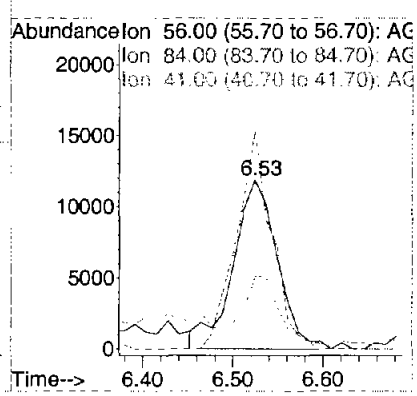


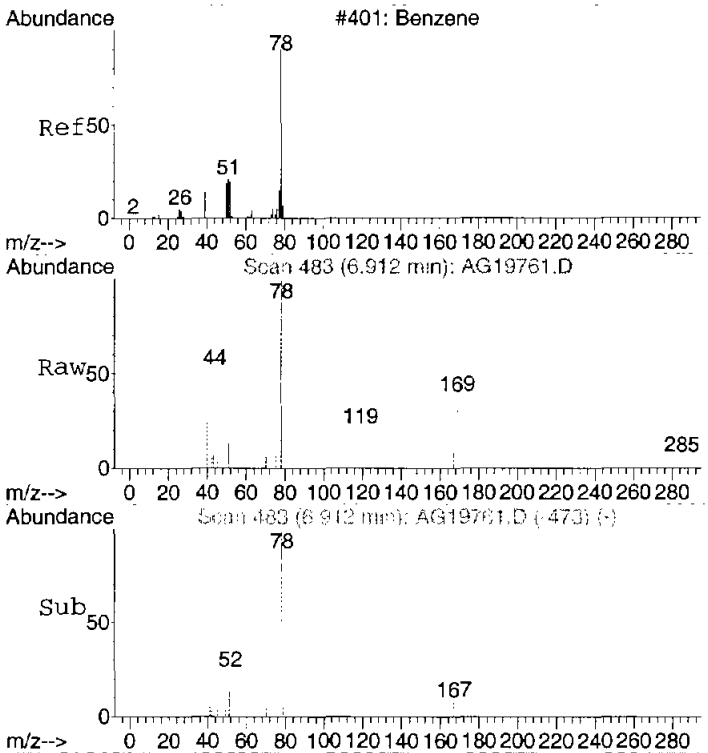


#27
Cyclohexane
Concen: 0.51 ug/Kg
RT: 6.53 min Scan# 451
Delta R.T. -0.01 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 56 Resp: 40342

Ion	Ratio	Lower	Upper
56	100		
84	103.4	59.6	119.6
41	33.4	21.7	81.7

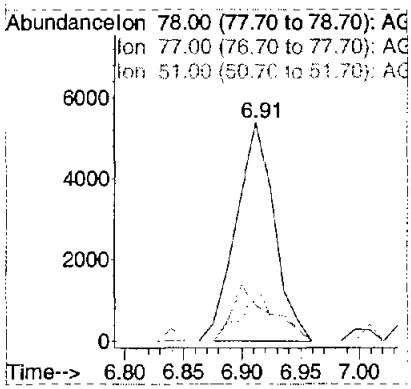


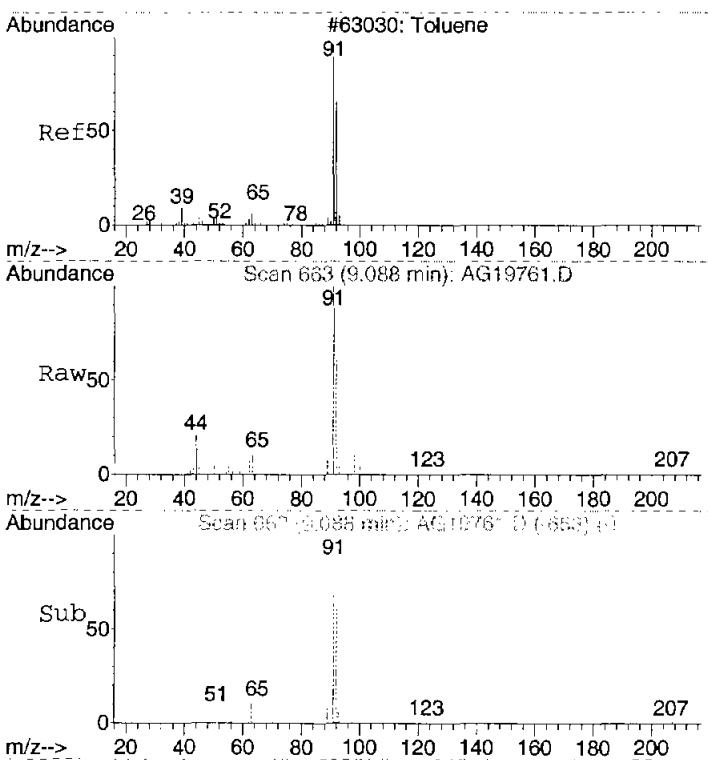


#32
Benzene
Concen: 0.08 ug/Kg
RT: 6.91 min Scan# 483
Delta R.T. 0.00 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 78 Resp: 12171

Ion	Ratio	Lower	Upper
78	100		
77	25.8	0.0	53.2
51	22.8	0.0	46.6

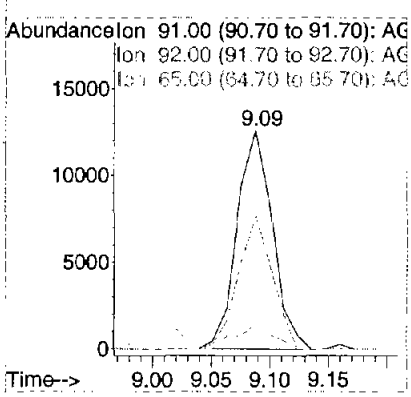


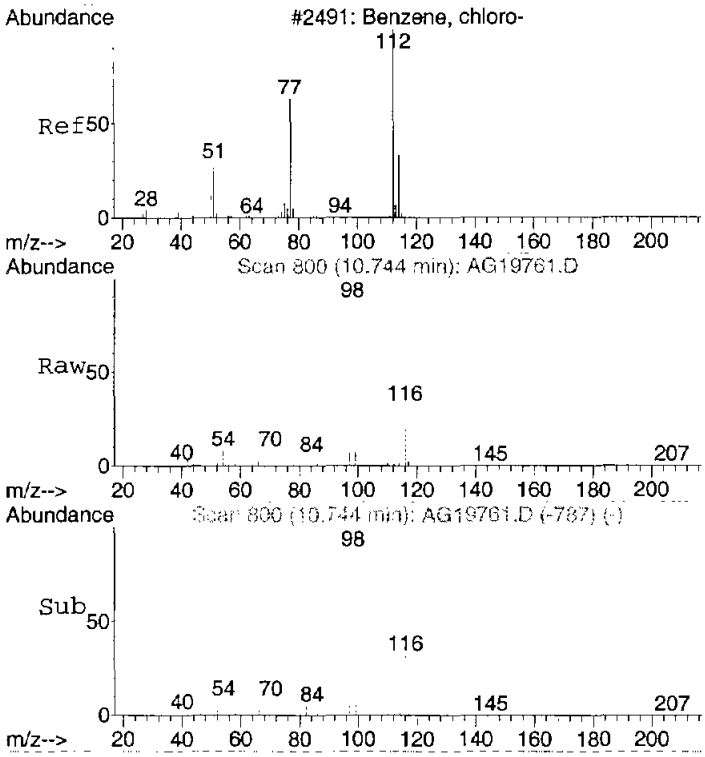


#46
Toluene
Concen: 0.17 ug/Kg
RT: 9.09 min Scan# 663
Delta R.T. -0.00 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 91 Resp: 26466

Ion	Ratio	Lower	Upper
91	100		
92	59.2	31.1	91.1
65	11.7	0.0	41.0

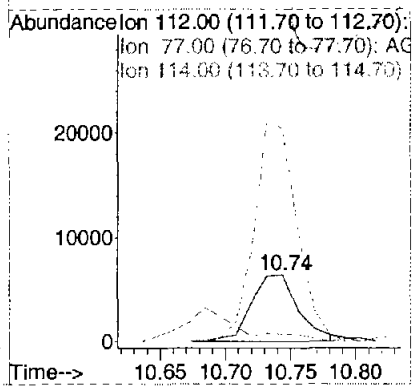


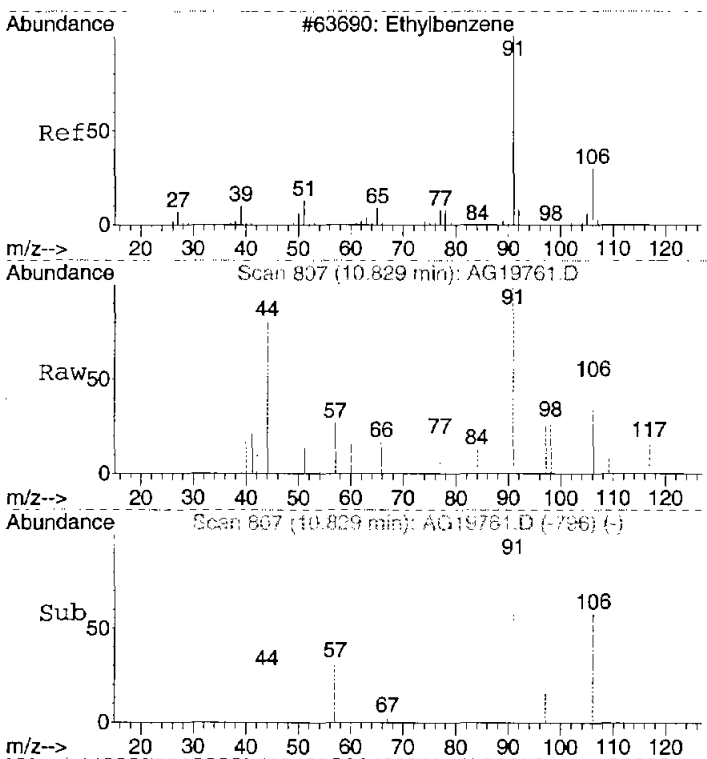


#56
Chlorobenzene
Concen: 0.15 ug/Kg
RT: 10.74 min Scan# 800
Delta R.T. 0.04 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion:112 Resp: 16272

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.8	84.8#
114	297.4	3.0	63.0#

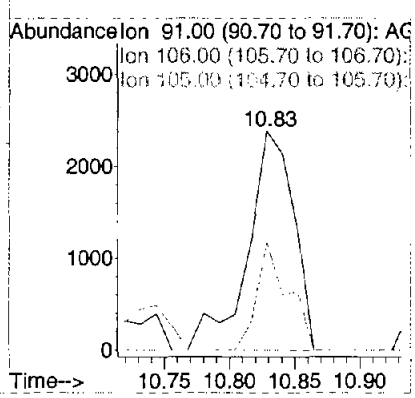


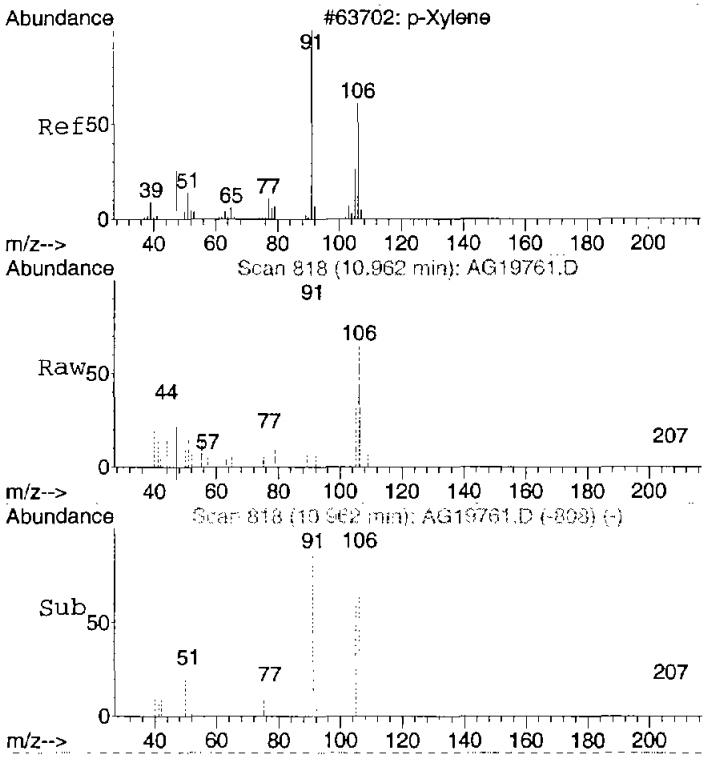


#58
Ethylbenzene
Concen: 0.03 ug/Kg
RT: 10.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 91 Resp: 5873

Ion	Ratio	Lower	Upper
91	100		
106	33.5	2.3	62.3
105	0.0	0.0	34.8

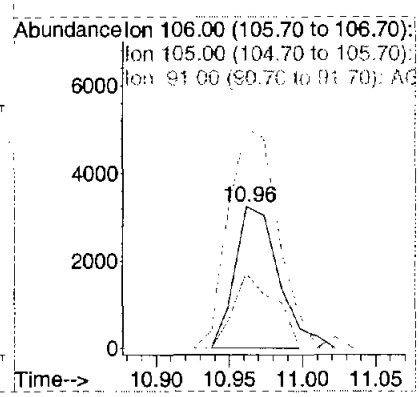


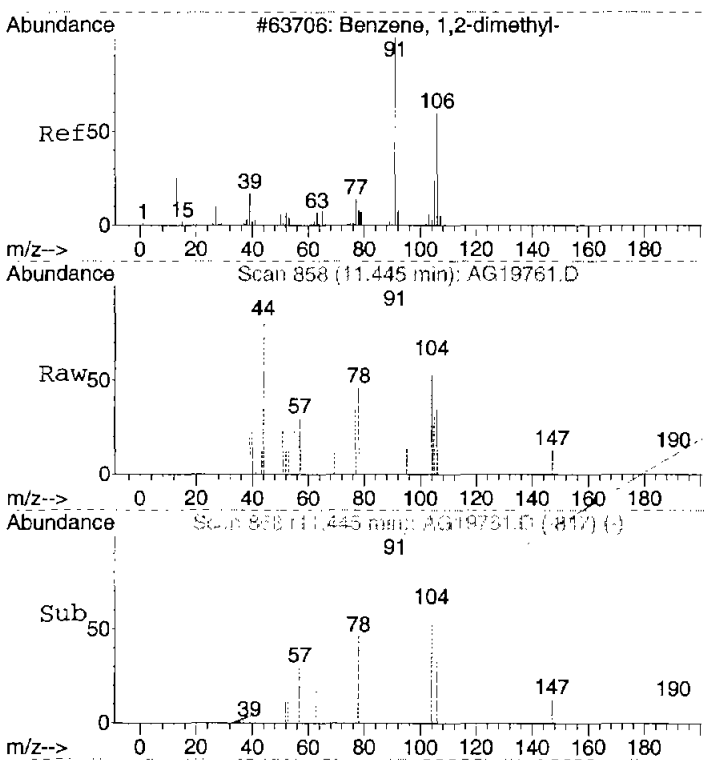


#59
m,p-Xylene
Concen: 0.10 ug/Kg
RT: 10.96 min Scan# 818
Delta R.T. 0.00 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion:106 Resp: 6821

Ion	Ratio	Lower	Upper
106	100		
105	49.7	15.7	75.7
91	175.3	165.6	225.6

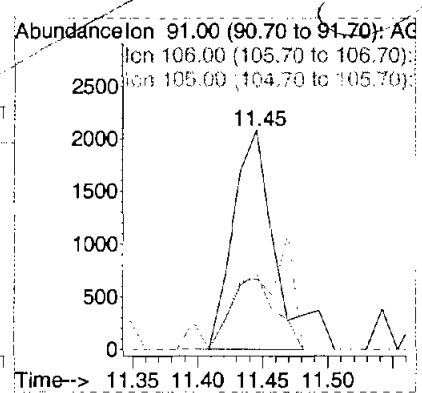


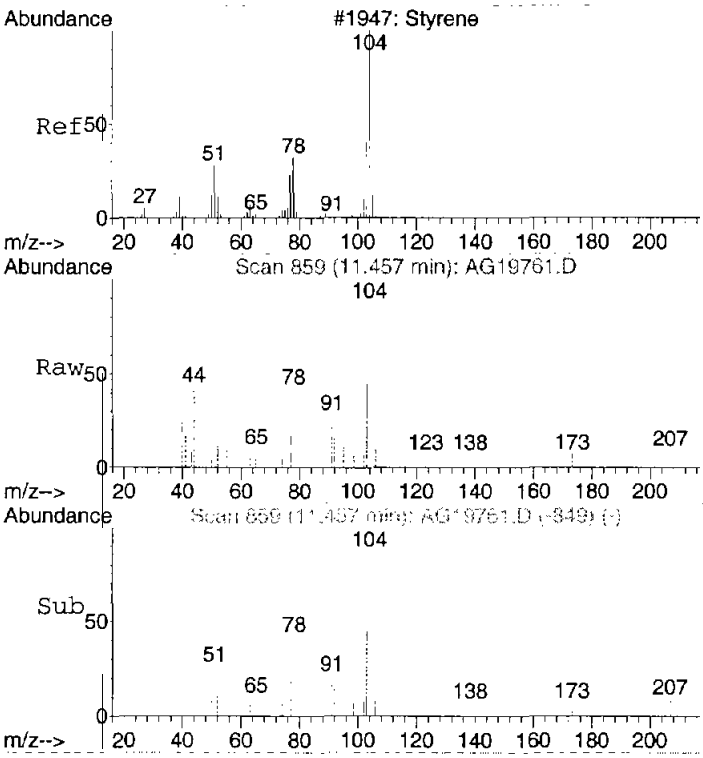


#60
o-Xylene
Concen: 0.04 ug/Kg
RT: 11.45 min Scan# 858
Delta R.T. 0.01 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 91 Resp: 4720

Ion	Ratio	Lower	Upper
91	100		
106	35.0	18.7	78.7
105	53.7	0.0	51.7#

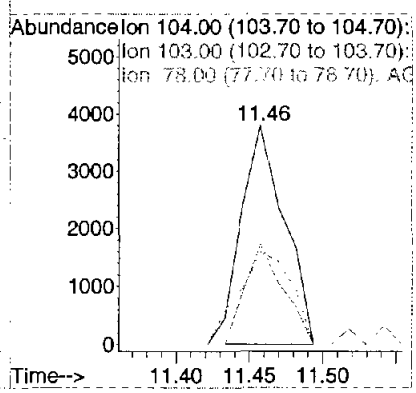


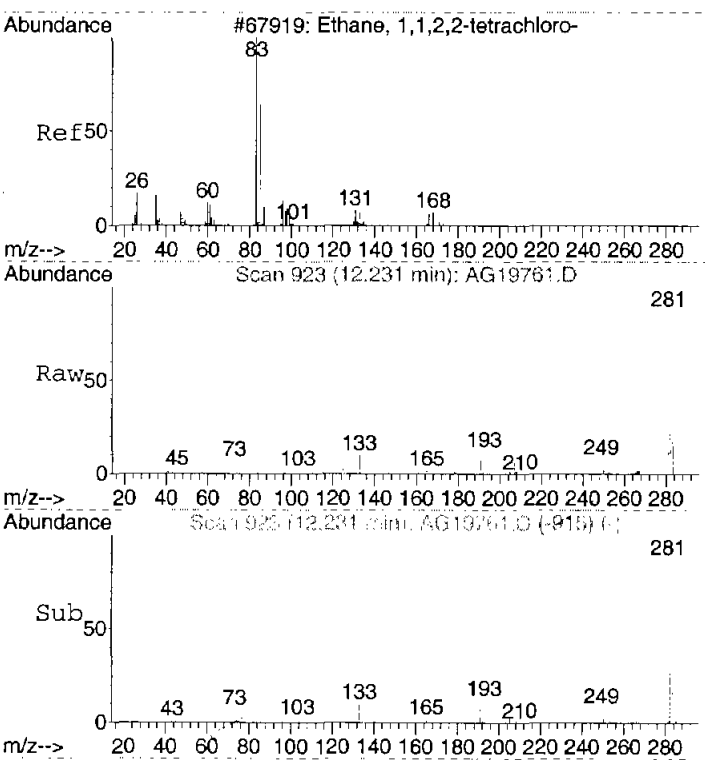


#61
Styrene
Concen: 0.07 ug/Kg
RT: 11.46 min Scan# 859
Delta R.T. 0.00 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion:104 Resp: 7734

Ion	Ratio	Lower	Upper
104	100		
103	40.7	16.9	76.9
78	51.7	10.4	70.4

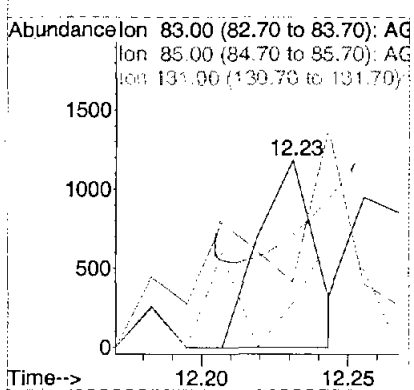


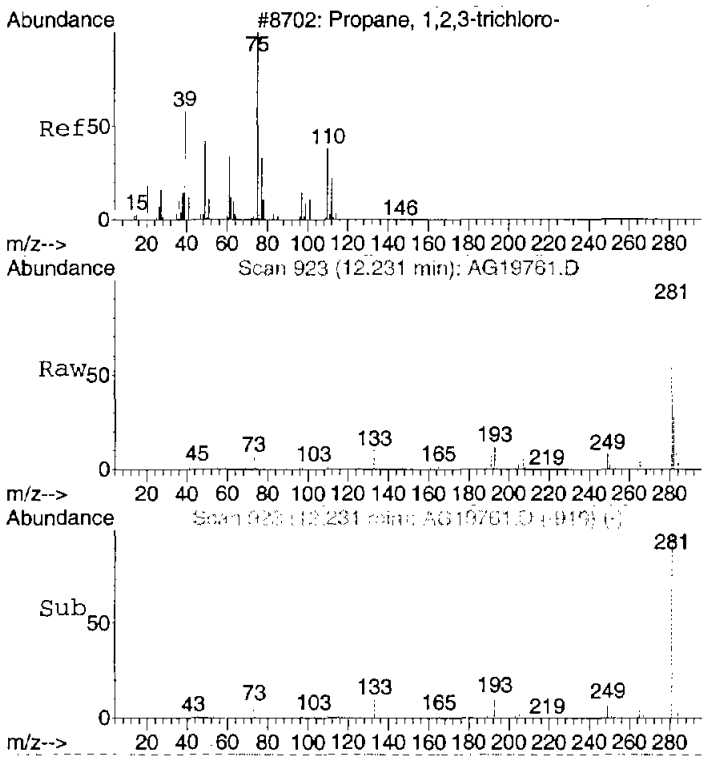


#66
1,1,2,2-Tetrachloroethane
Concen: 0.10 ug/Kg
RT: 12.23 min Scan# 923
Delta R.T. -0.02 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion: 83 Resp: 4944

Ion	Ratio	Lower	Upper
83	100		
85	67.5	9.9	69.9
131	21.2	0.0	37.0

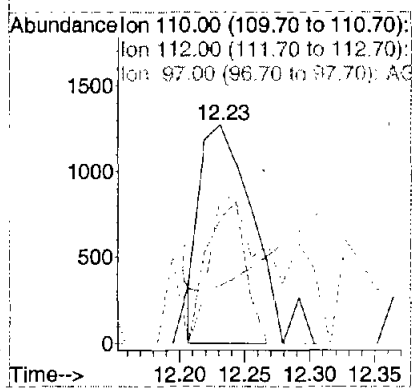


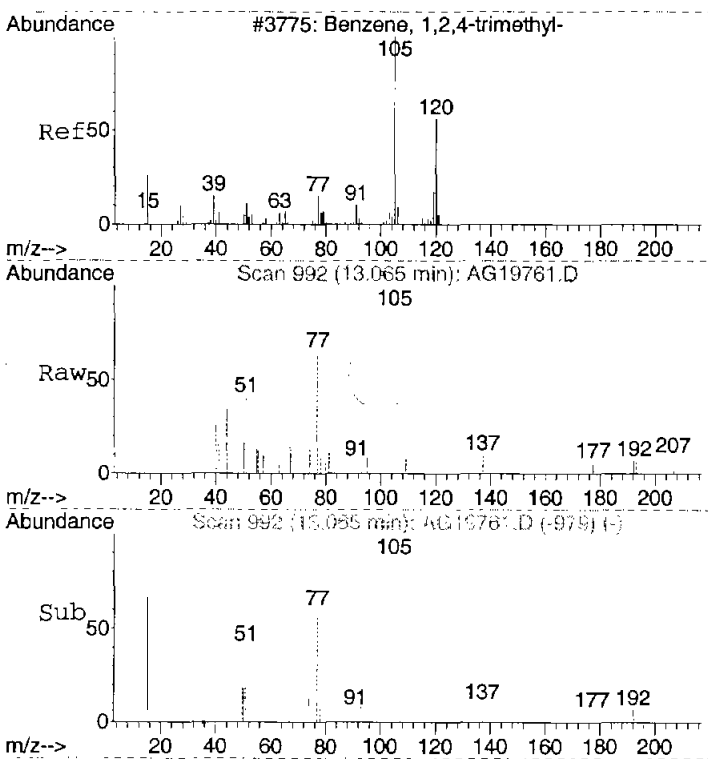


#67
1,2,3-Trichloropropane
Concen: 0.14 ug/Kg
RT: 12.23 min Scan# 923
Delta R.T. -0.07 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion:110 Resp: 3641

Ion	Ratio	Lower	Upper
110	100		
112	46.3	30.1	90.1
97	87.9	23.6	83.6#

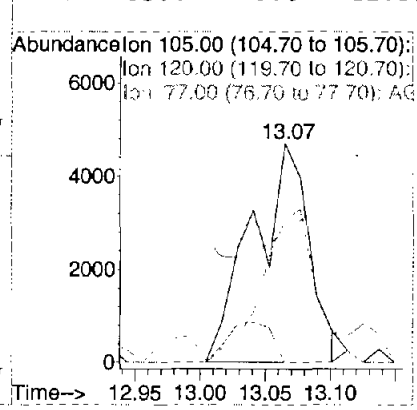




#73
1,2,4-Trimethylbenzene
Concen: 0.10 ug/Kg
RT: 13.07 min Scan# 992
Delta R.T. 0.04 min
Lab File: AG19761.D
Acq: 3 Dec 2004 4:47 pm

Tgt Ion:105 Resp: 14144

Ion	Ratio	Lower	Upper
105	100		
120	14.6	19.2	79.2#
77	65.0	0.0	41.5#



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19762.D
Acq On : 3 Dec 2004 5:13 pm
Sample : 125060-5 voa1056
Misc : Soil #3.744
MS Integration Params: RTEINT.P
Quant Time: Dec 06 11:04:45 2004

Vial: 12
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	751614	10.00 ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1078463	10.00 ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	192758	10.00 ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	320383	10.00 ug/Kg	0.00
System Monitoring Compounds					
28) Dibromofluoromethane(S)	6.48	111	352213	9.94 ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	= 99.40%	
34) Fluorobenzene(S)	7.23	96	1196830	8.76 ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	= 87.60%#	
36) Trifluorotoluene(S)	7.96	146	850260	15.15 ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery	= 75.75%#	
45) Toluene-d8(S)	9.02	98	1126182	9.54 ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	= 95.40%	
55) Ethylbenzene-d10(S)	10.74	98	1312235	9.29 ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	= 92.90%	
64) Bromofluorobenzene(S)	12.09	174	309081	8.51 ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	= 85.10%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.67	85	7755	0.19 ug/Kg#	1
5) Bromomethane	2.41	94	9483	0.87 ug/Kg#	55
7) Trichlorofluoromethane	2.90	101	2295	Below Cal #	30
10) Carbon Disulfide	3.91	76	42080	0.33 ug/Kg	95
11) Acetone	3.73	43	1215518	196.06 ug/Kg	97
13) Methylene Chloride	4.31	49	168898	3.21 ug/Kg	96
16) Hexane	4.99	56	39791047	1456.61 ug/Kg#	1
21) 2,2-Dichloropropane	5.92	77	7201	~~0.14 ug/Kg#~~	57
23) 2-Butanone	5.92	57	10026	11.51 ug/Kg#	52
27) Cyclohexane	6.56	56	138971	2.00 ug/Kg#	39
32) Benzene	6.91	78	38683	0.28 ug/Kg	93
38) Methylcyclohexane	7.84	55	9477	0.21 ug/Kg#	11
41) Bromodichloromethane	8.24	83	16213	~~0.42 ug/Kg#~~	28
46) Toluene	9.09	91	64051	0.47 ug/Kg	93
48) 1,1,2-Trichloroethane	9.56	97	4418	~~0.18 ug/Kg#~~	1
56) Chlorobenzene	10.73	112	11866	0.13 ug/Kg#	1
58) Ethylbenzene	10.83	91	14800	0.11 ug/Kg	96
59) m,p-Xylene	10.97	106	10118	0.18 ug/Kg	93
60) o-Xylene	11.45	91	6702	0.06 ug/Kg	78
61) Styrene	11.46	104	5322	~~0.06 ug/Kg~~	74
66) 1,1,2,2-Tetrachloroethane	12.23	83	3295+	0.08 ug/Kg	72
67) 1,2,3-Trichloropropane	12.32	110	736	Below Cal #	1
73) 1,2,4-Trimethylbenzene	13.08	105	17058	~~0.15 ug/Kg#~~	43
75) 4-Isopropyltoluene	13.42	119	11402	0.09 ug/Kg	81

44575

(#) = qualifier out of range (m) = manual integration (+) = signals summed

00267

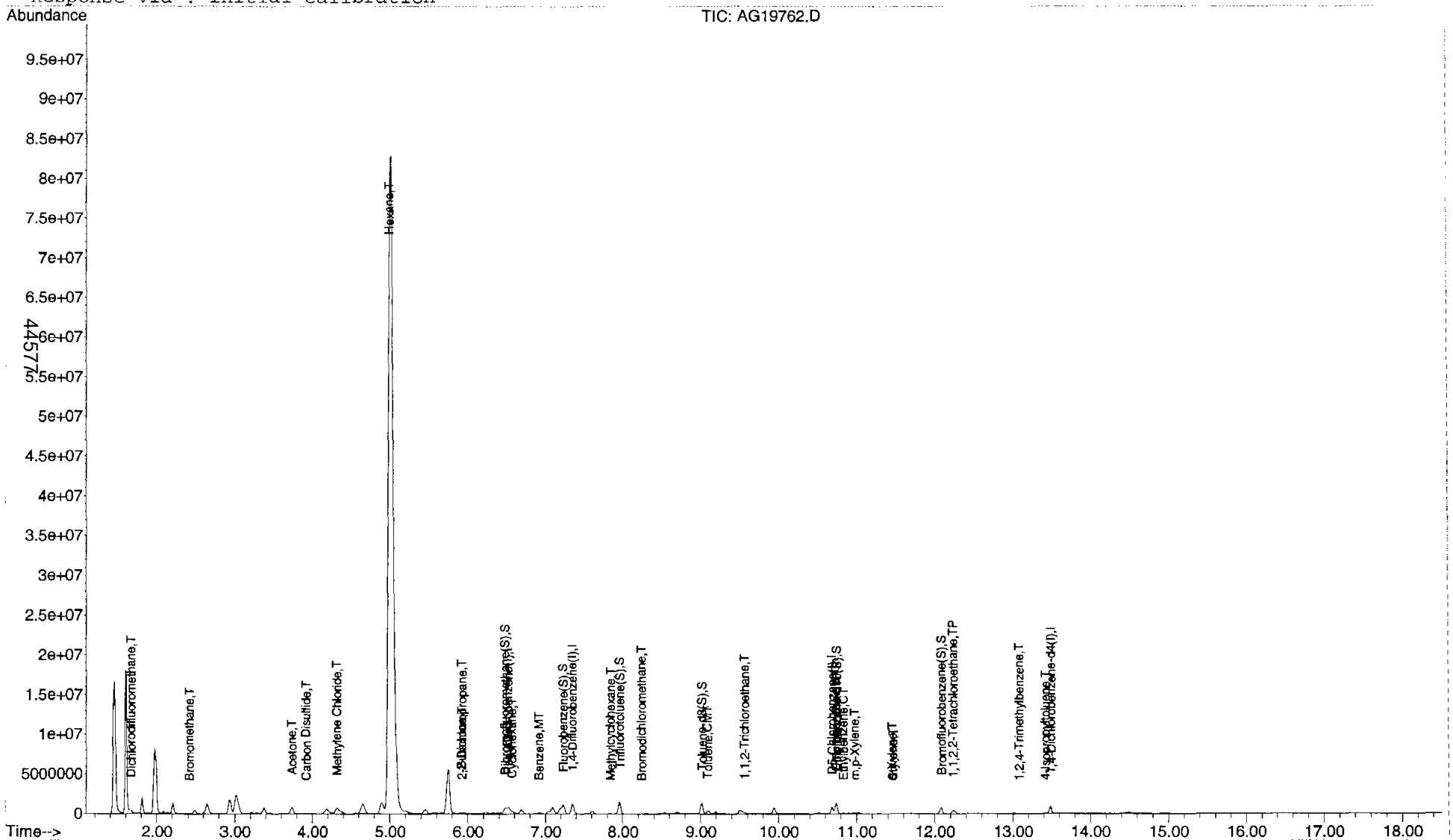
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19762.D
Acq On : 3 Dec 2004 5:13 pm
Sample : 125060-5 voa1056
Misc : Soil #3.744
MS Integration Params: RTEINT.P
Quant Time: Dec 6 11:04 2004

Vial: 12
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

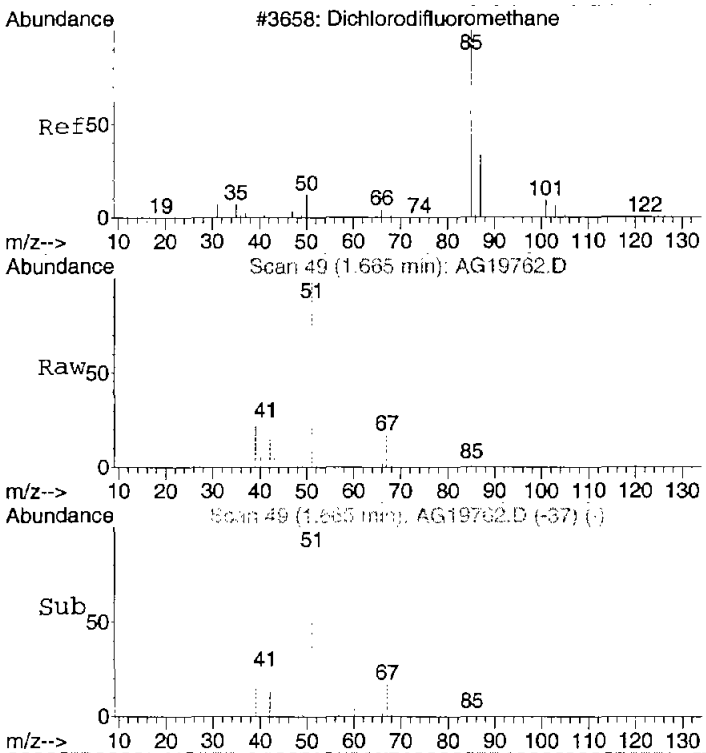
Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



4457

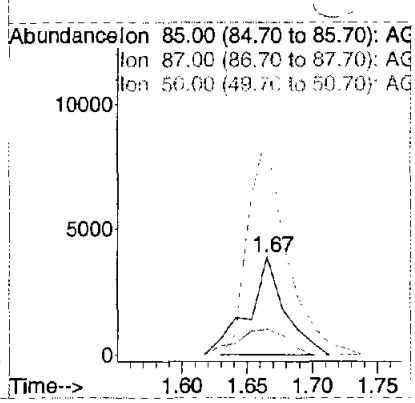
00268

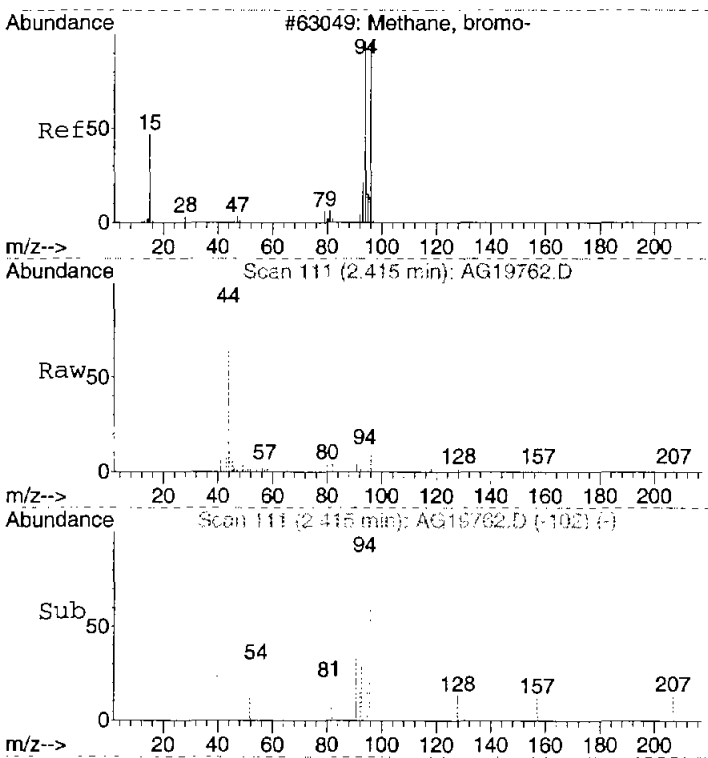


#2
Dichlorodifluoromethane
Concen: 0.19 ug/Kg
RT: 1.67 min Scan# 49
Delta R.T. 0.02 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 85 Resp: 7755

Ion	Ratio	Lower	Upper
85	100		
87	35.5	1.5	61.5
50	226.6	0.0	40.1#

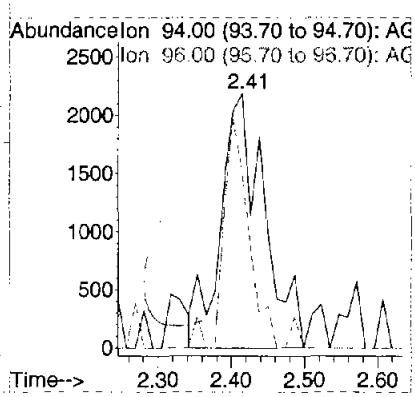


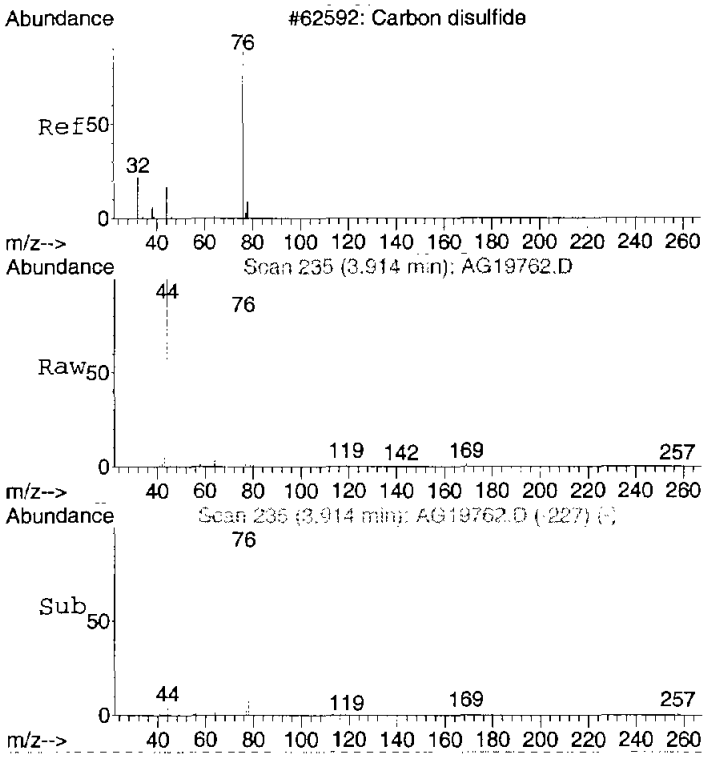


#5
Bromomethane
Concen: 0.87 ug/Kg
RT: 2.41 min Scan# 111
Delta R.T. -0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 94 Resp: 9483

Ion	Ratio	Lower	Upper
94	100		
96	49.9	62.5	122.5#

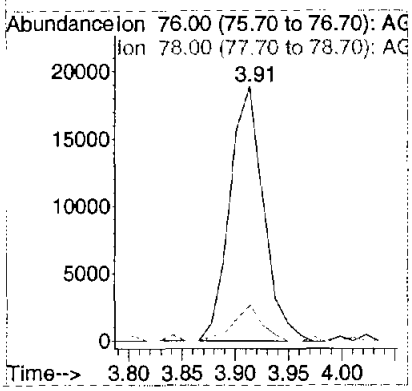


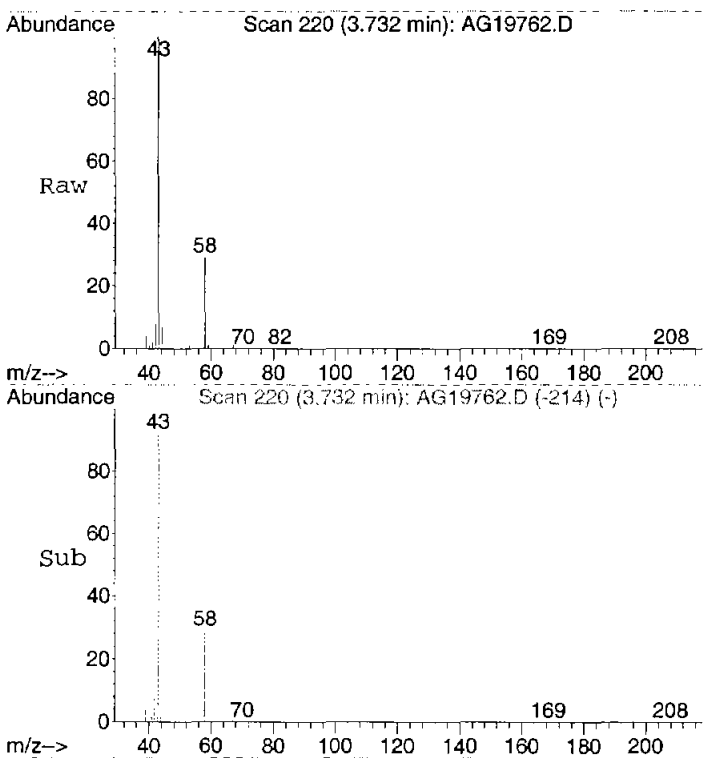


#10
Carbon Disulfide
Concen: 0.33 ug/Kg
RT: 3.91 min Scan# 235
Delta R.T. -0.02 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 76 Resp: 42080

Ion	Ratio	Lower	Upper
76	100		
78	11.7	0.0	39.7

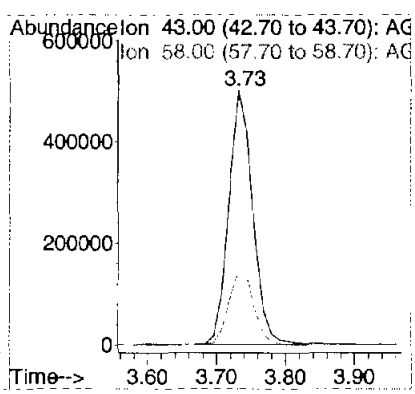


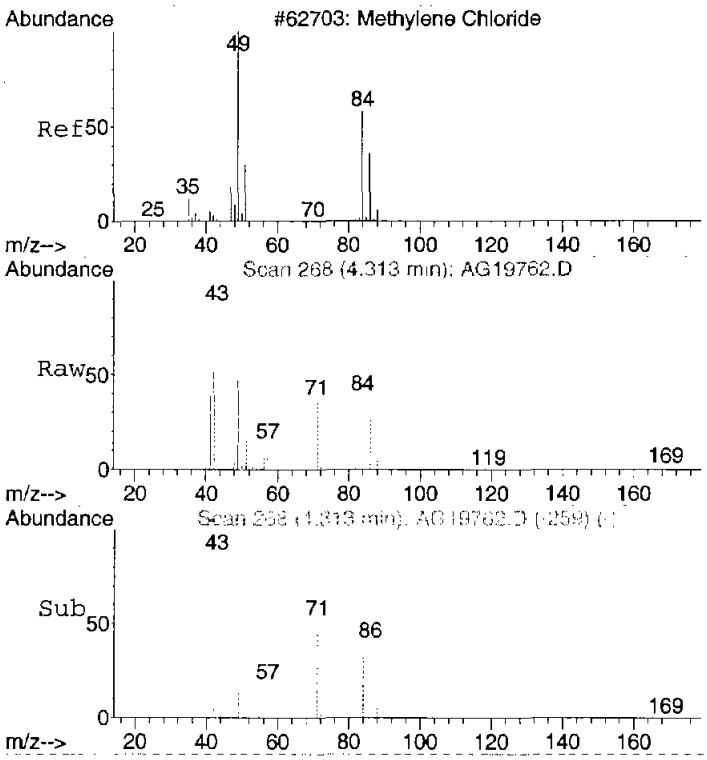


#11
Acetone
Concen: 196.06 ug/Kg
RT: 3.73 min Scan# 220
Delta R.T. 0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 43 Resp: 1215518

Ion	Ratio	Lower	Upper
43	100		
58	30.6	2.4	62.4

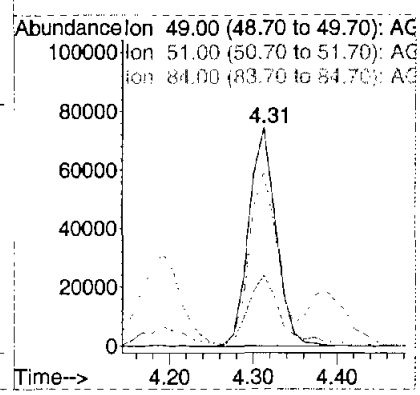


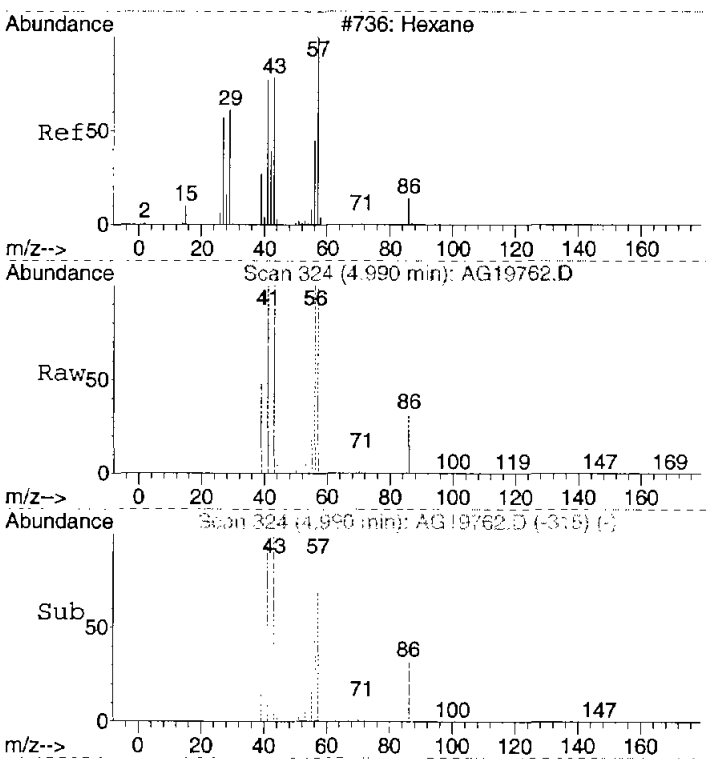


#13
Methylene Chloride
Concen: 3.21 ug/Kg
RT: 4.31 min Scan# 268
Delta R.T. -0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 49 Resp: 168898

Ion	Ratio	Lower	Upper
49	100		
51	34.3	0.0	59.0
84	80.5	49.0	109.0

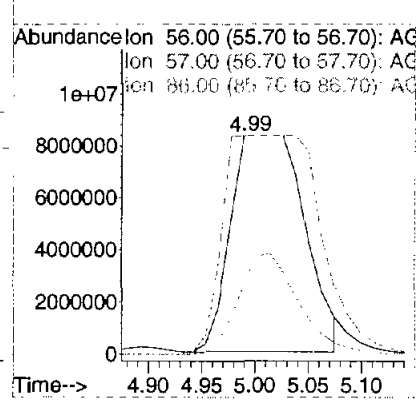


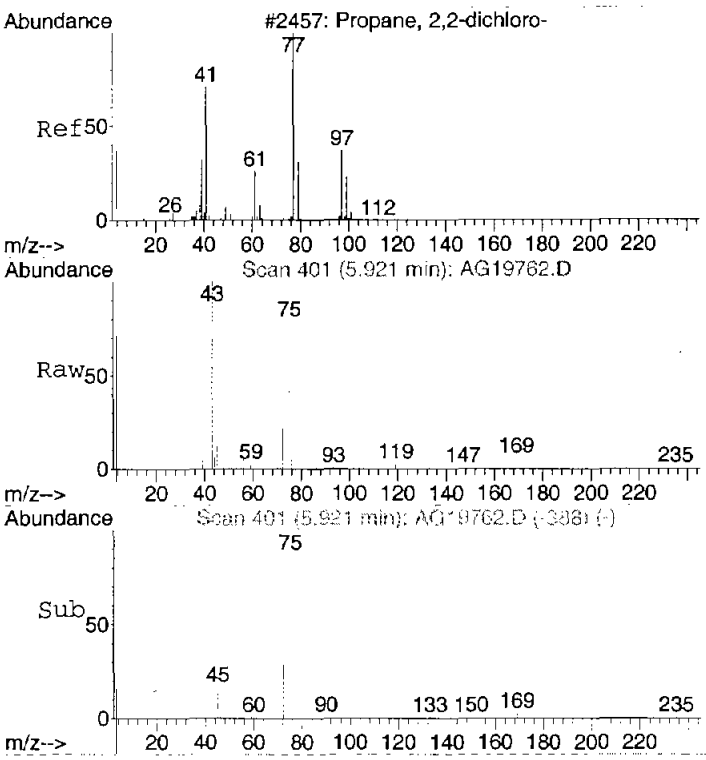


#16
Hexane
Concen: 1456.61 ug/Kg
RT: 4.99 min Scan# 324
Delta R.T. -0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 56 Resp:39791047

Ion	Ratio	Lower	Upper
56	100		
57	0.0	147.6	207.6#
86	37.3	1.8	61.8

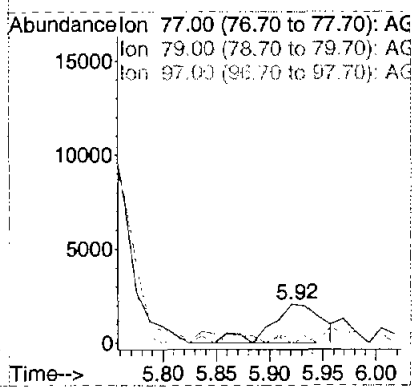


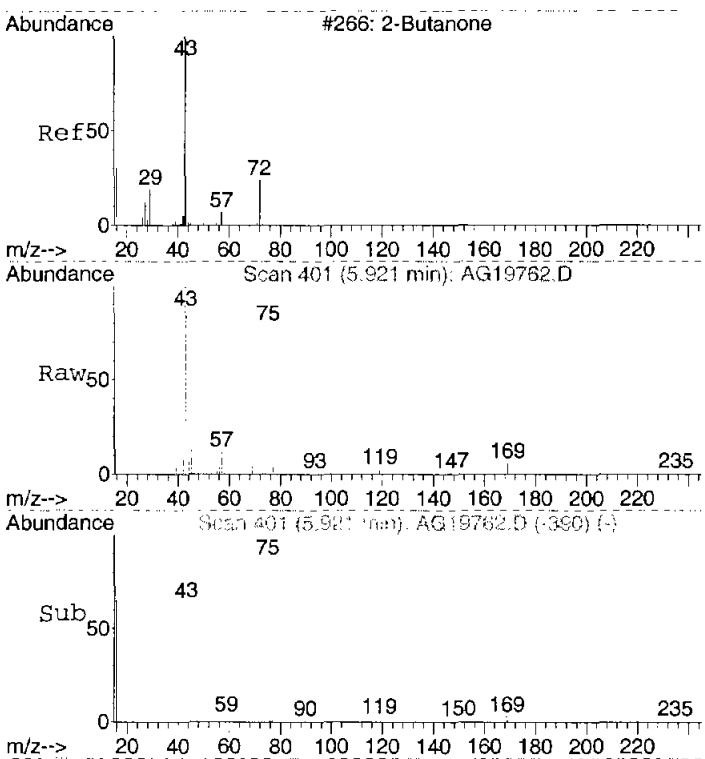


#21
2,2-Dichloropropane
Concen: 0.14 ug/Kg
RT: 5.92 min Scan# 401
Delta R.T. 0.04 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 77 Resp: 7201

Ion	Ratio	Lower	Upper
77	100		
79	0.0	3.0	63.0#
97	12.7	0.0	53.9

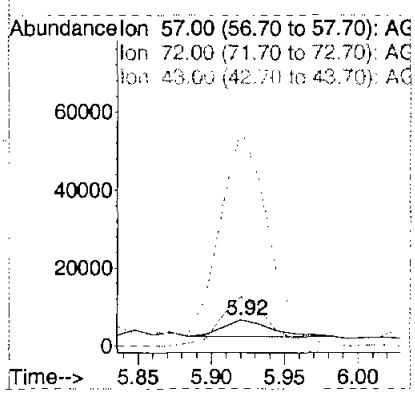


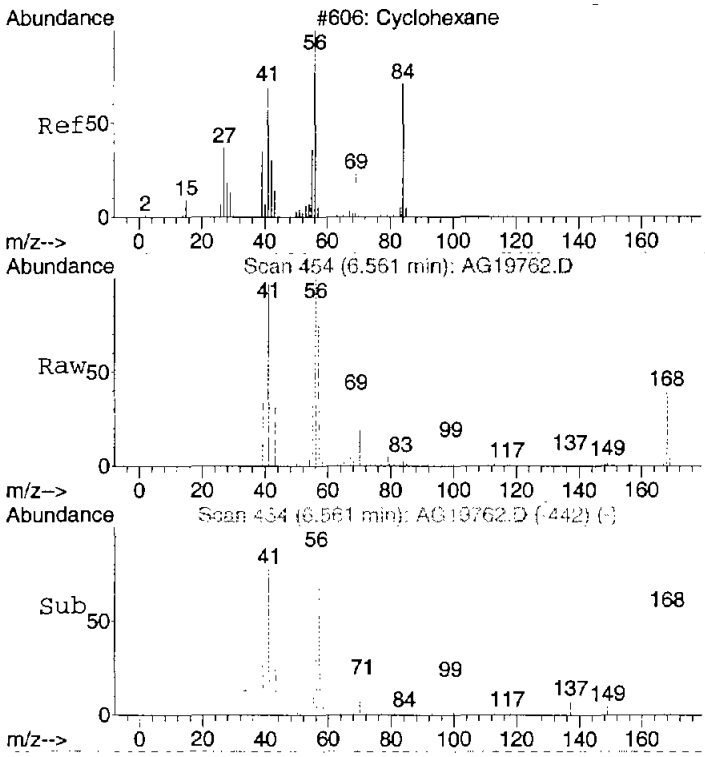


#23
2-Butanone
Concen: 11.51 ug/Kg
RT: 5.92 min Scan# 401
Delta R.T. 0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 57 Resp: 10026

Ion	Ratio	Lower	Upper
57	100		
72	295.5	339.1	399.1#
43	1135.7	1410.1	1470.1#

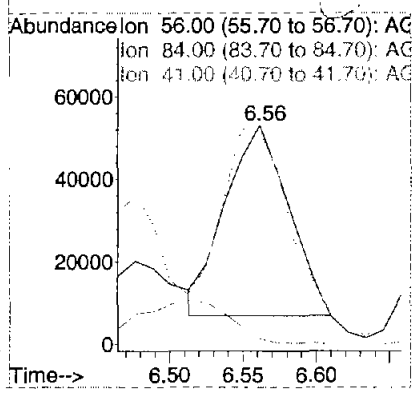


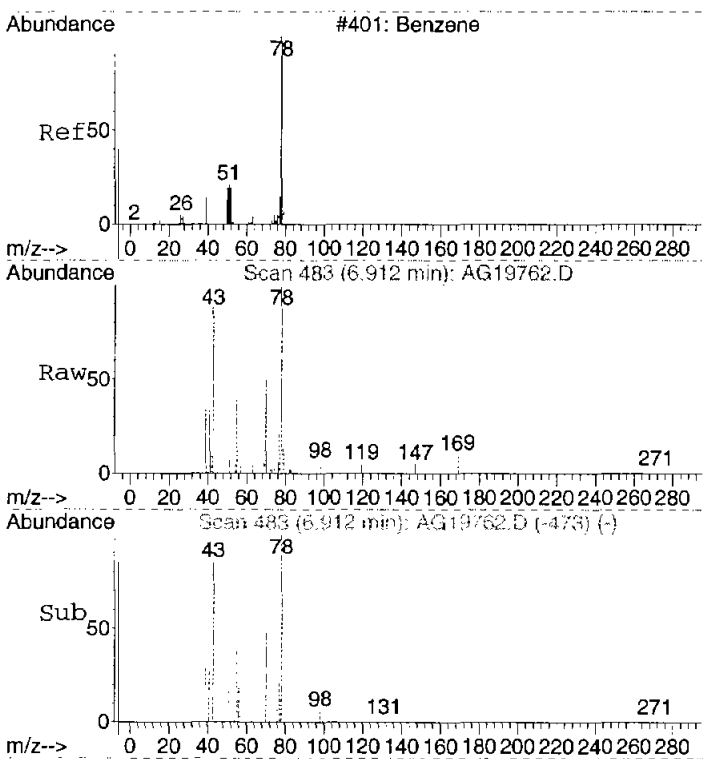


#27
Cyclohexane
Concen: 2.00 ug/Kg
RT: 6.56 min Scan# 454
Delta R.T. 0.02 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 56 Resp: 138971

Ion	Ratio	Lower	Upper
56	100		
84	34.9	59.6	119.6#
41	98.7	21.7	81.7#

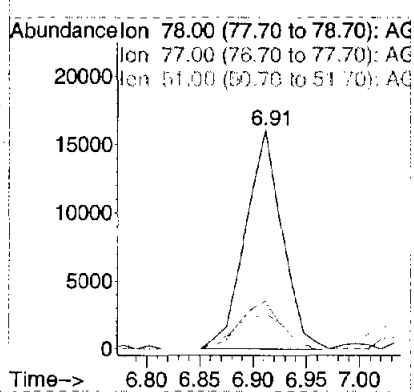


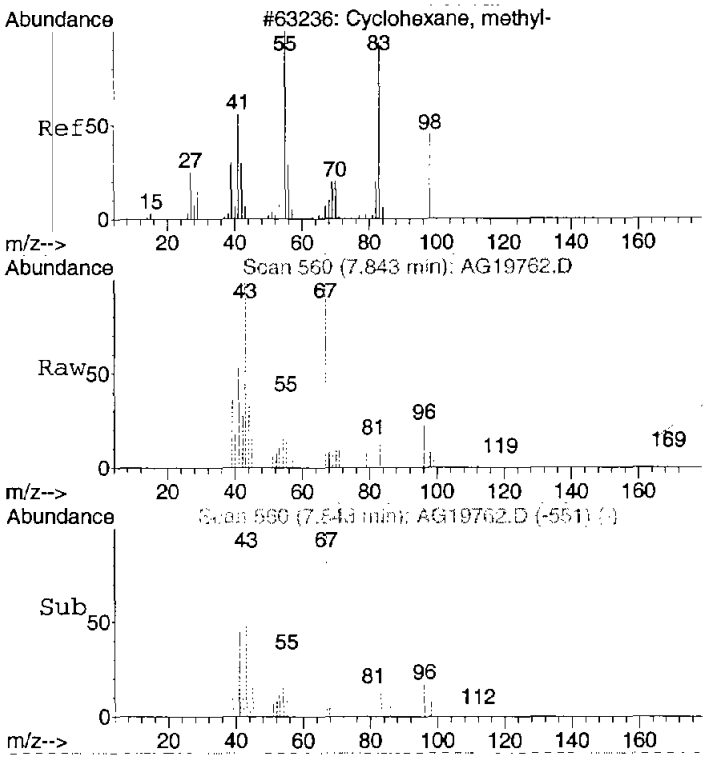


#32
Benzene
Concen: 0.28 ug/Kg
RT: 6.91 min Scan# 483
Delta R.T. 0.00 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 78 Resp: 38683

Ion	Ratio	Lower	Upper
78	100		
77	24.3	0.0	53.2
51	22.3	0.0	46.6

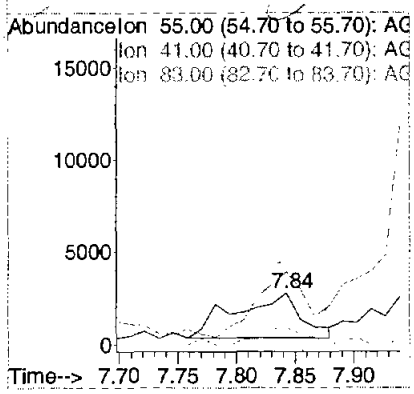


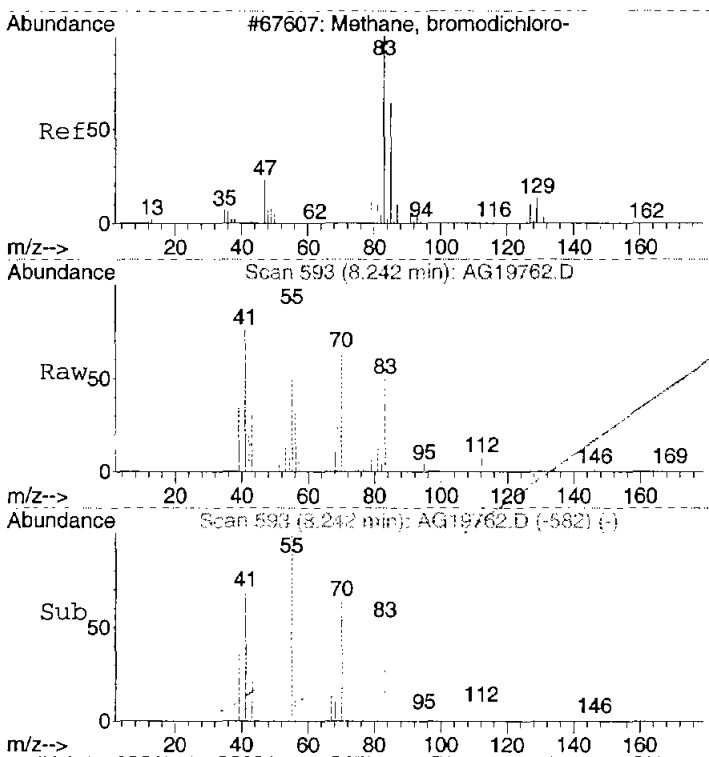


#38
Methylcyclohexane
Concen: 0.21 ug/Kg
RT: 7.84 min Scan# 560
Delta R.T. -0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 55 Resp: 9477

Ion	Ratio	Lower	Upper
55	100		
41	104.6	17.1	77.1#
83	26.0	102.6	162.6#

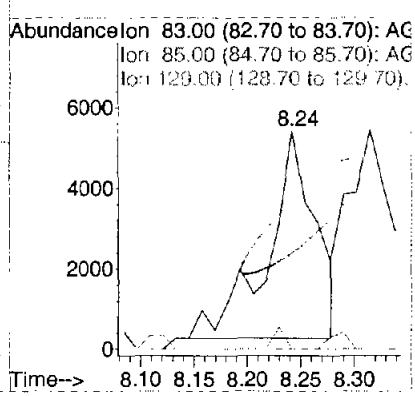


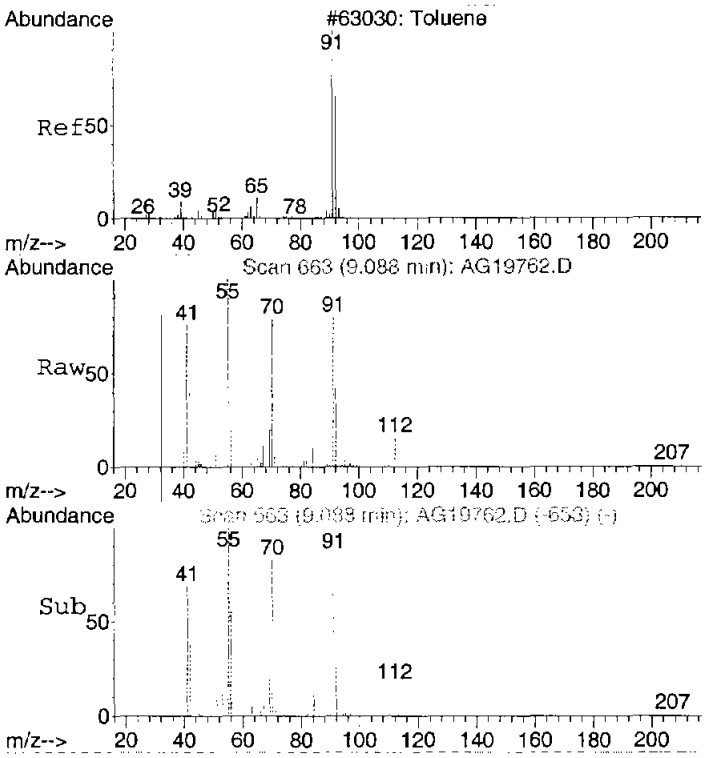


#41
Bromodichloromethane
Concen: 0.42 ug/Kg
RT: 8.24 min Scan# 593
Delta R.T. 0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 83 Resp: 16213

Ion	Ratio	Lower	Upper
83	100		
85	2.4	34.6	94.6#
129	0.0	0.0	41.2

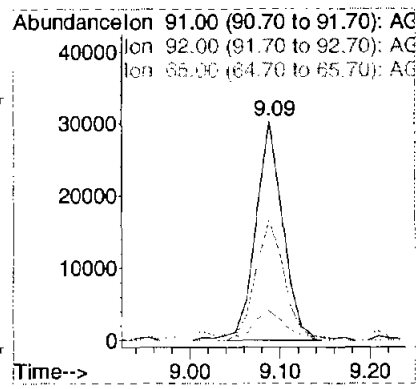


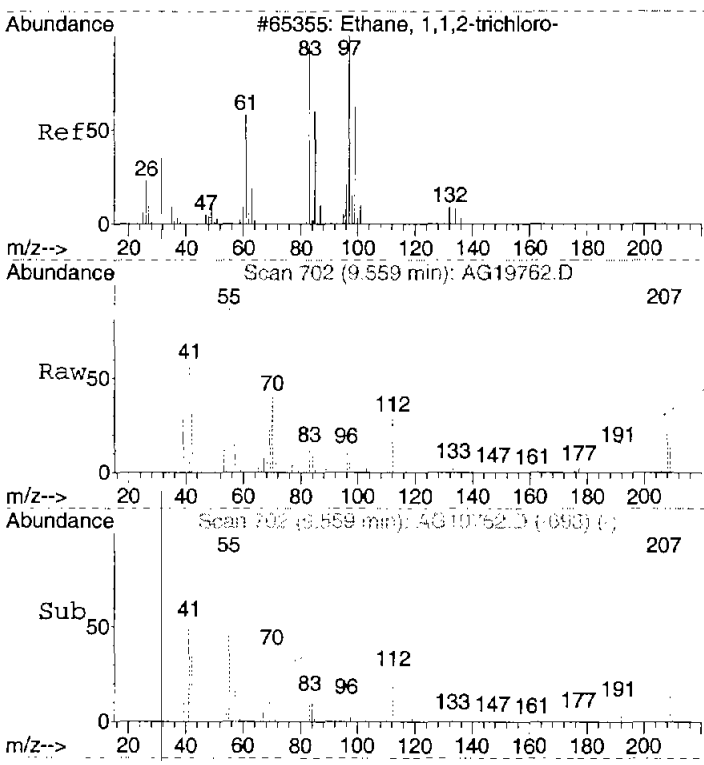


#46
Toluene
Concen: 0.47 ug/Kg
RT: 9.09 min Scan# 663
Delta R.T. -0.00 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 91 Resp: 64051

Ion	Ratio	Lower	Upper
91	100		
92	56.9	31.1	91.1
65	16.3	0.0	41.0

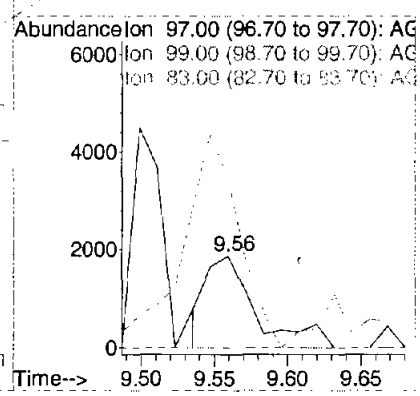


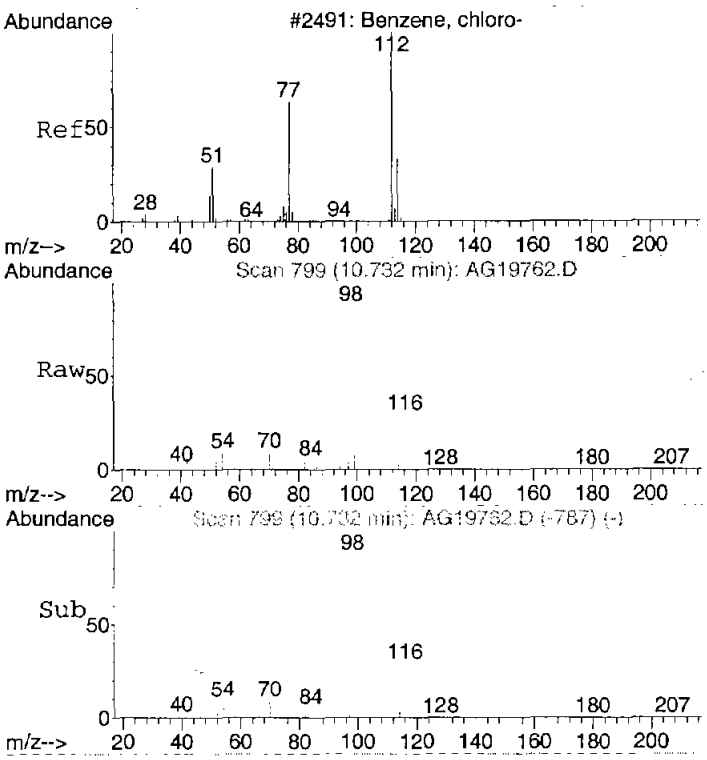


#48
1,1,2-Trichloroethane
Concen: 0.18 ug/Kg
RT: 9.56 min Scan# 702
Delta R.T. -0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 97 Resp: 4418

Ion	Ratio	Lower	Upper
97	100		
99	0.0	37.2	97.2#
83	262.7	53.2	113.2#

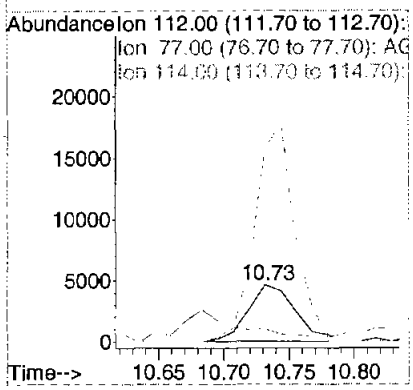


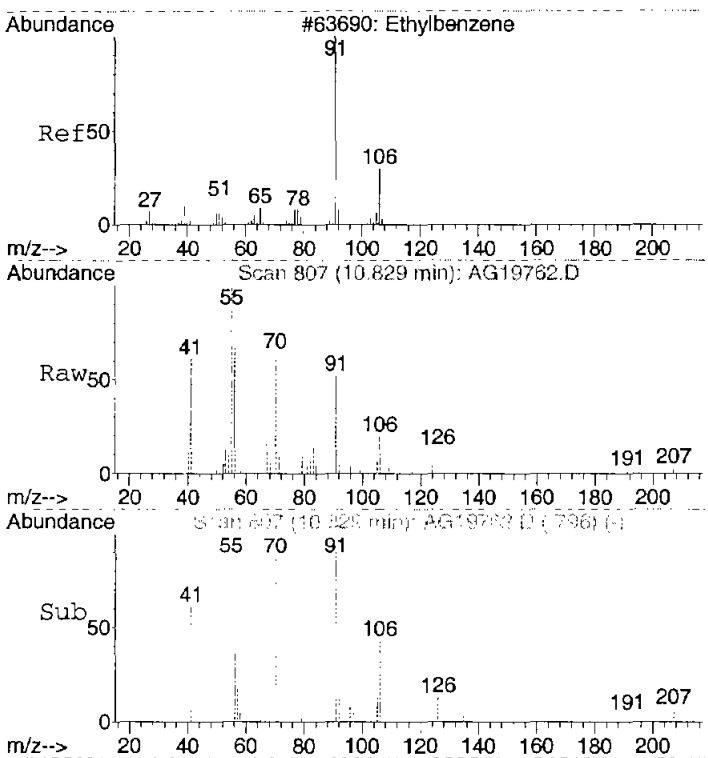


#56
Chlorobenzene
Concen: 0.13 ug/Kg
RT: 10.73 min Scan# 799
Delta R.T. 0.02 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion:112 Resp: 11866

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.8	84.8#
114	321.7	3.0	63.0#

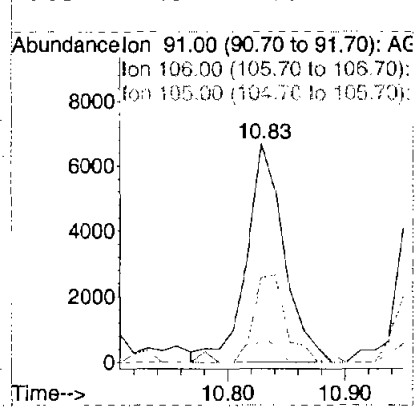


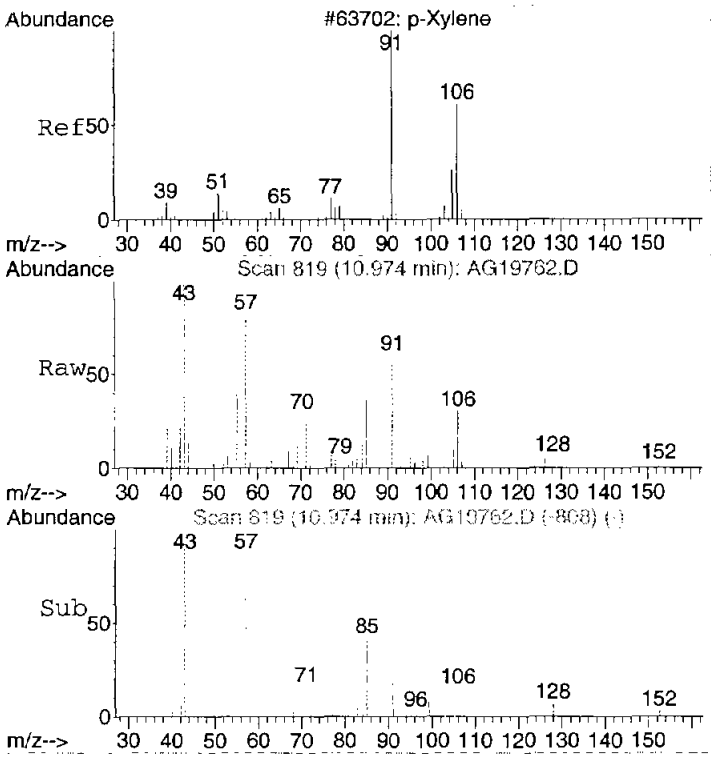


#58
Ethylbenzene
Concen: 0.11 ug/Kg
RT: 10.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 91 Resp: 14800

Ion	Ratio	Lower	Upper
91	100		
106	33.8	2.3	62.3
105	7.9	0.0	34.8

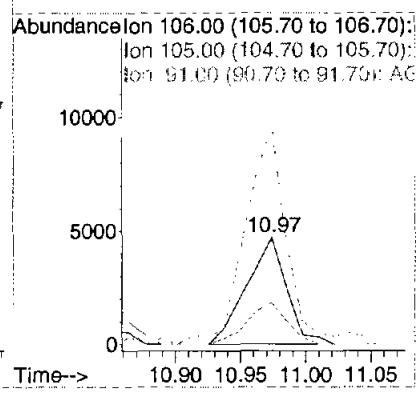


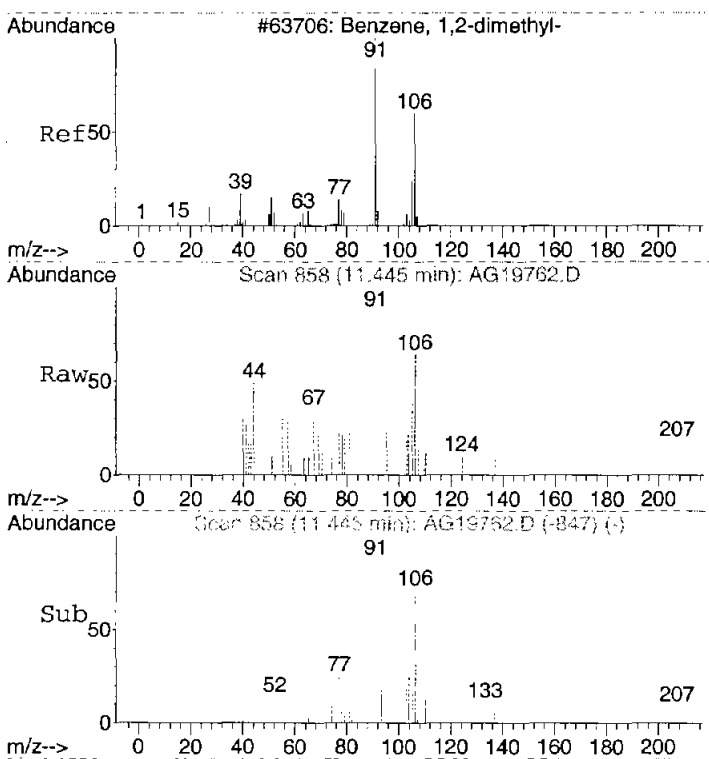


#59
m,p-Xylene
Concen: 0.18 ug/Kg
RT: 10.97 min Scan# 819
Delta R.T. 0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion:106 Resp: 10118

Ion	Ratio	Lower	Upper
106	100		
105	38.7	15.7	75.7
91	205.6	165.6	225.6

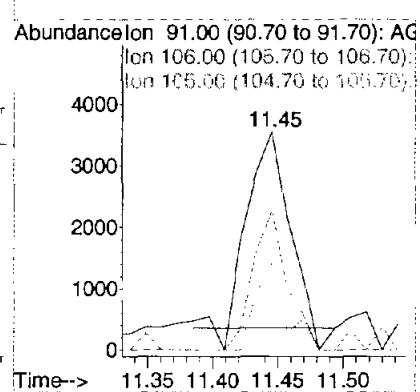


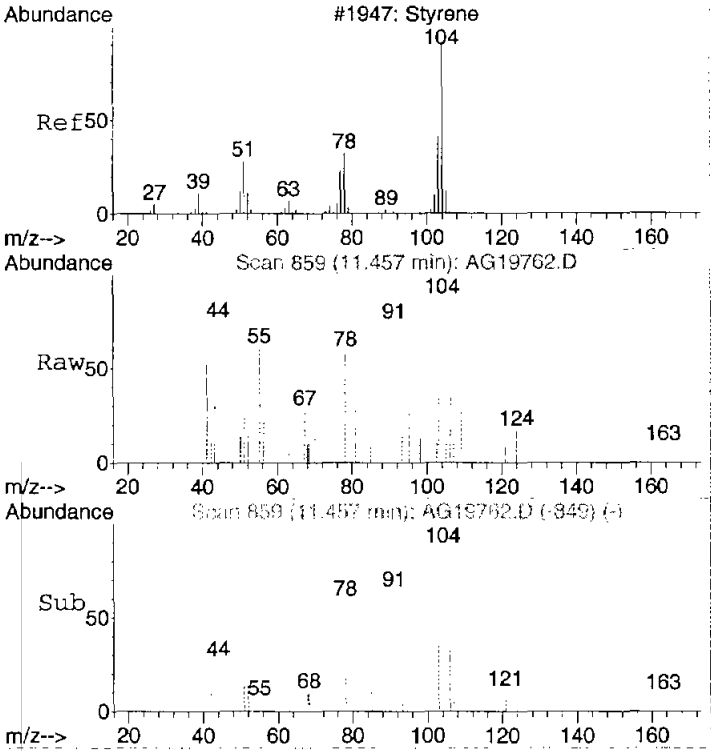


#60
o-Xylene
Concen: 0.06 ug/Kg
RT: 11.45 min Scan# 858
Delta R.T. 0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 91 Resp: 6702

Ion	Ratio	Lower	Upper
91	100		
106	62.7	18.7	78.7
105	33.7	0.0	51.7

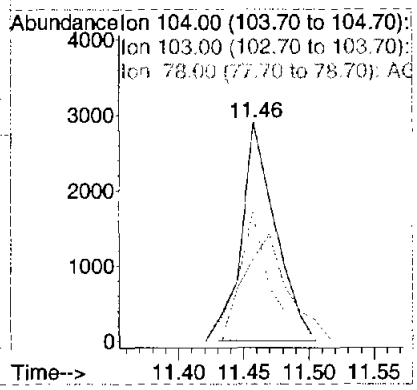


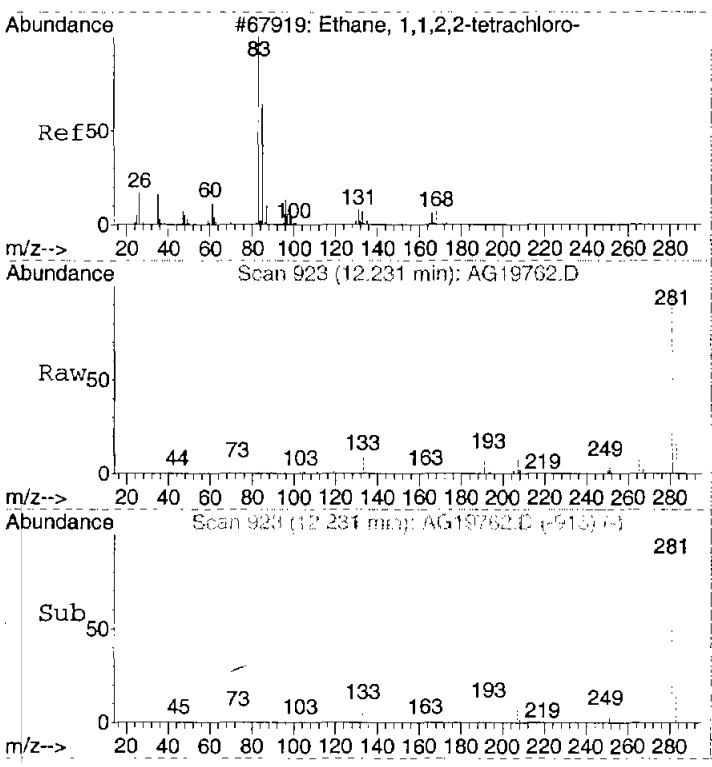


#61
Styrene
Concen: 0.06 ug/Kg
RT: 11.46 min Scan# 859
Delta R.T. 0.00 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion:104 Resp: 5322

Ion	Ratio	Lower	Upper
104	100		
103	63.0	16.9	76.9
78	58.1	10.4	70.4

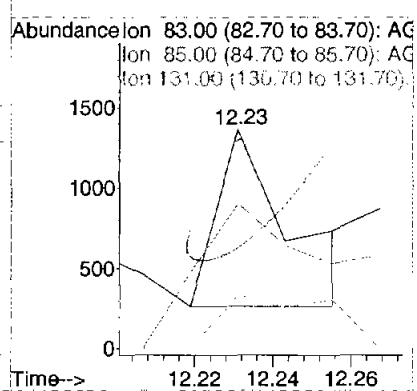


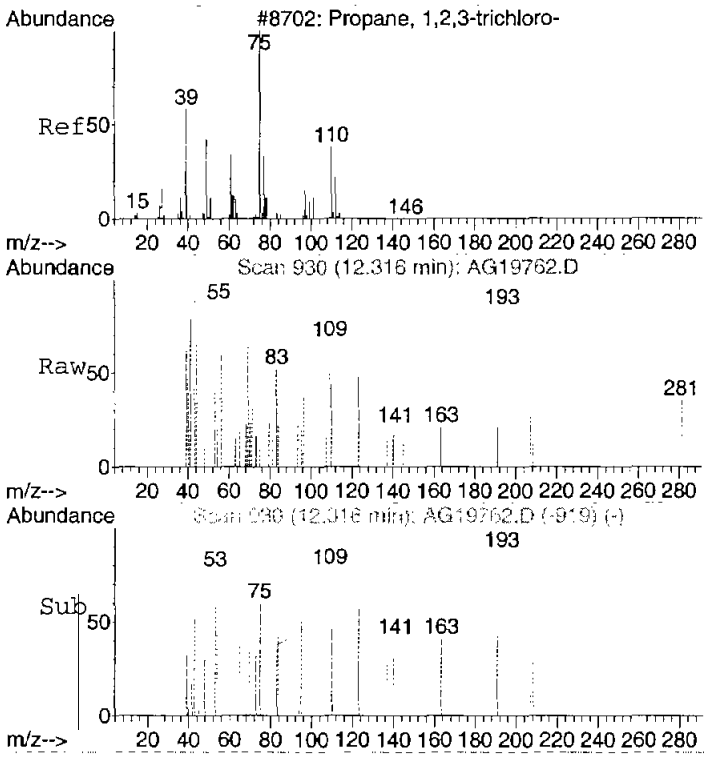


#66
1,1,2,2-Tetrachloroethane
Concen: 0.08 ug/Kg
RT: 12.23 min Scan# 923
Delta R.T. -0.02 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion: 83 Resp: 3295

Ion	Ratio	Lower	Upper
83	100		
85	56.3	9.9	69.9
131	19.9	0.0	37.0

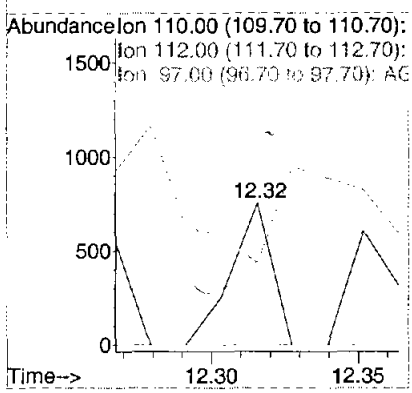


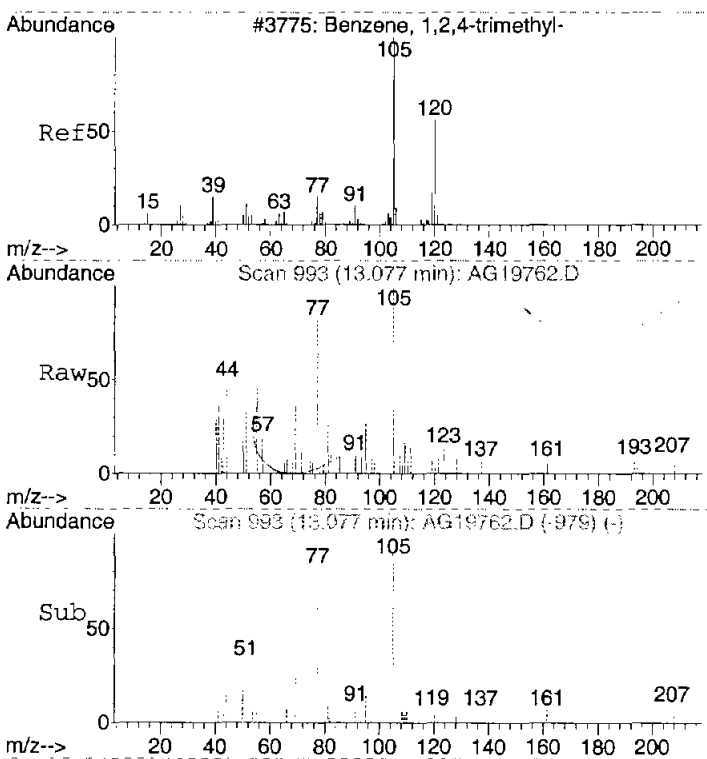


#67
1,2,3-Trichloropropane
Concen: Below Cal
RT: 12.32 min Scan# 930
Delta R.T. 0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion:110 Resp: 736

Ion	Ratio	Lower	Upper
110	100		
112	0.0	30.1	90.1#
97	149.2	23.6	83.6#

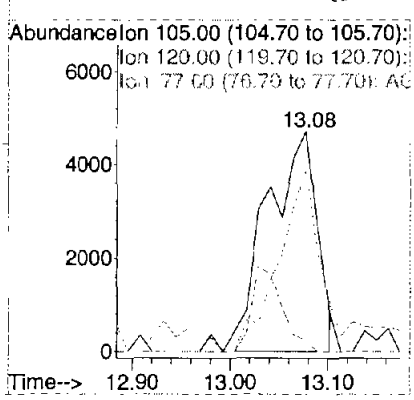


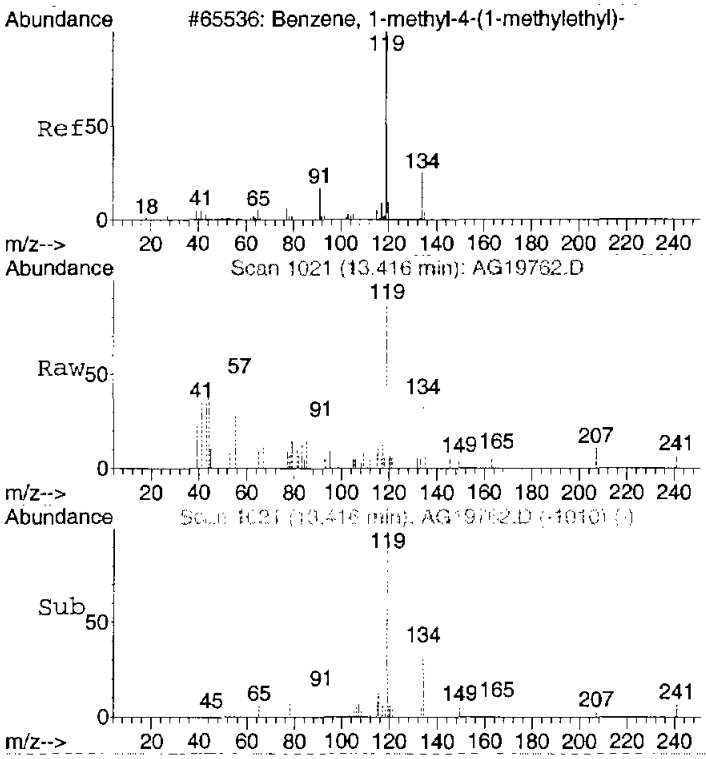


#73
1,2,4-Trimethylbenzene
Concen: 0.15 ug/Kg
RT: 13.08 min Scan# 993
Delta R.T. 0.05 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion:105 Resp: 17058

Ion	Ratio	Lower	Upper
105	100		
120	23.1	19.2	79.2
77	64.3	0.0	41.5#

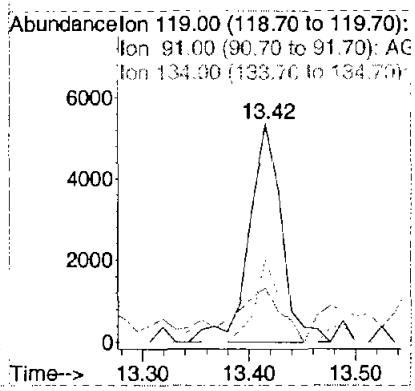




#75
4-Isopropyltoluene
Concen: 0.09 ug/Kg
RT: 13.42 min Scan# 1021
Delta R.T. 0.01 min
Lab File: AG19762.D
Acq: 3 Dec 2004 5:13 pm

Tgt Ion:119 Resp: 11402

Ion	Ratio	Lower	Upper
119	100		
91	37.6	0.0	51.9
134	28.9	0.0	55.6



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19773.D Vial: 23
Acq On : 3 Dec 2004 9:55 pm Operator: crf
Sample : 125060-6 voa1056 Inst : VOAInst#3
Misc : Soil #2.705 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 06 11:07:26 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	685735	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1032746	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	198302	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	366077	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	352816	10.91	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	109.10%	
34) Fluorobenzene(S)	7.23	96	1141057	9.16	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	91.60%#	
36) Trifluorotoluene(S)	7.96	146	1074678	19.99	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery	=	99.95%	
45) Toluene-d8(S)	9.02	98	1089397	9.63	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	96.30%	
55) Ethylbenzene-d10(S)	10.74	98	1327359	9.13	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	=	91.30%	
64) Bromofluorobenzene(S)	12.09	174	338688	9.06	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	90.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.67	85	7204	~~0.19~~	~~ug/Kg#~~	1
3) Chloromethane	1.87	50	7627	Below Cal		91
5) Bromomethane	2.40	94	5047	~~0.39~~	~~ug/Kg~~	91
7) Trichlorofluoromethane	2.90	101	3019	Below Cal		63
11) Acetone	3.73	43	683888	122.07	ug/Kg	89
13) Methylene Chloride	4.31	49	184398	3.99	ug/Kg	97
16) Hexane	4.99	56	40906202	1641.31	ug/Kg#	1
23) 2-Butanone	5.92	57	9656	12.23	ug/Kg#	50
27) Cyclohexane	6.52	56	21025	0.33	ug/Kg#	60
32) Benzene	6.91	78	26881	0.22	ug/Kg	98
37) Trichloroethene	7.64	130	1394	~~0.04~~	~~ug/Kg#~~	63
46) Toluene	9.09	91	72888	0.56	ug/Kg	96
48) 1,1,2-Trichloroethane	9.50	97	3187	~~0.14~~	~~ug/Kg#~~	30
56) Chlorobenzene	10.74	112	16348	~~0.18~~	~~ug/Kg#~~	1
58) Ethylbenzene	10.83	91	6115	0.04	ug/Kg	95
59) m,p-Xylene	10.97	106	6890	0.12	ug/Kg	90
60) o-Xylene	11.45	91	4265	0.04	ug/Kg	88
61) Styrene	11.46	104	5150	0.06	ug/Kg	90
63) Isopropylbenzene	11.86	105	40230	~~0.29~~	~~ug/Kg#~~	1
67) 1,2,3-Trichloropropane	12.33	110	244	Below Cal	#	1
73) 1,2,4-Trimethylbenzene	13.08	105	27547	~~0.24~~	~~ug/Kg#~~	1
75) 4-Isopropyltoluene	13.42	119	60297	0.46	ug/Kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

00281

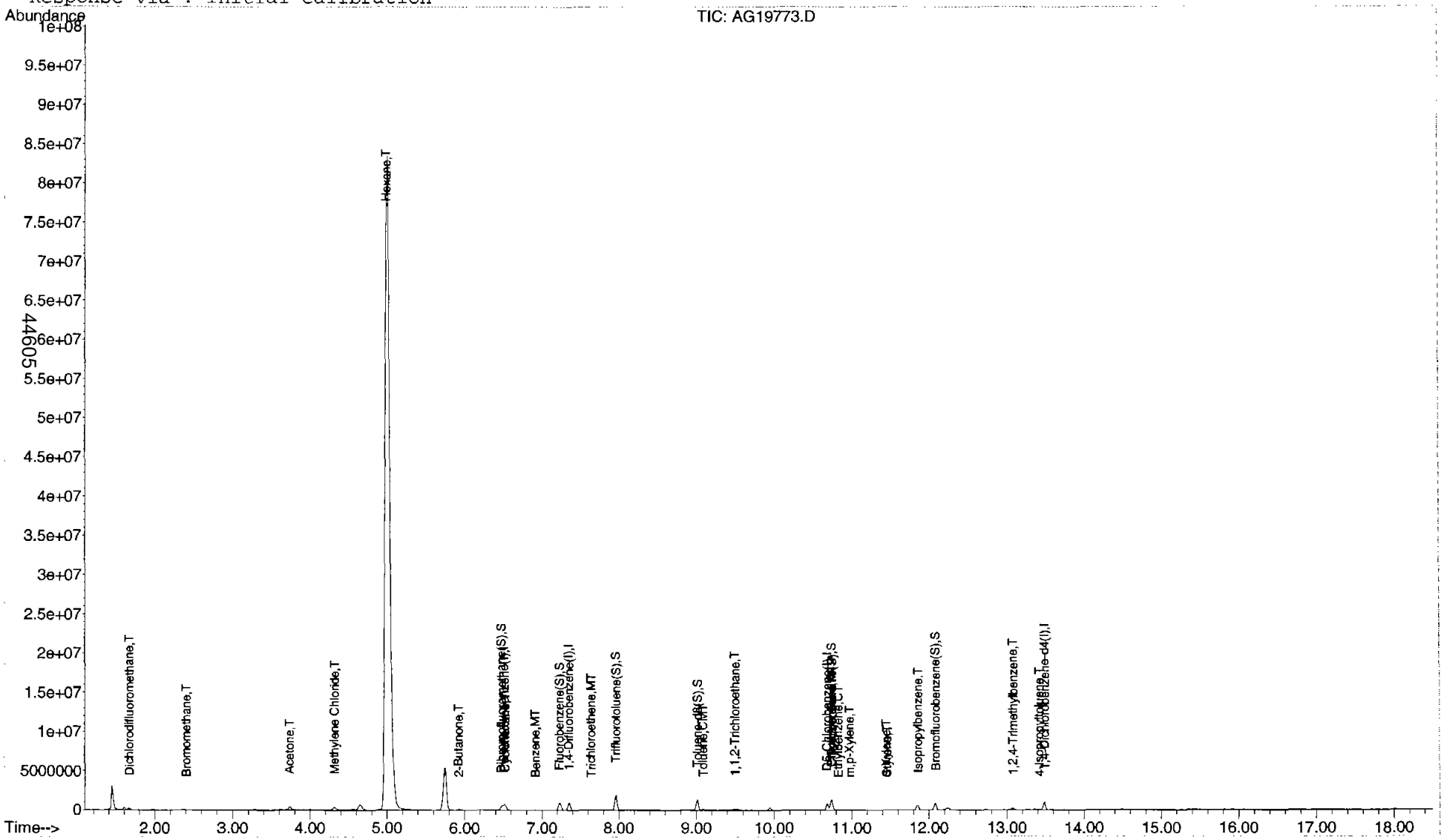
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19773.D
Acq On : 3 Dec 2004 9:55 pm
Sample : 125060-6 voa1056
Misc : Soil #2.705
MS Integration Params: RTEINT.P
Quant Time: Dec 6 11:07 2004

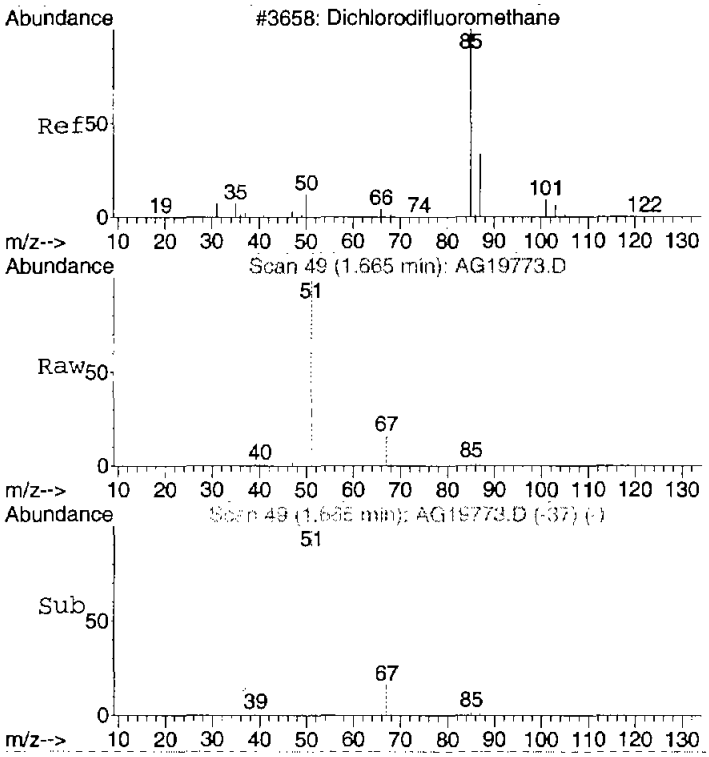
Vial: 23
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



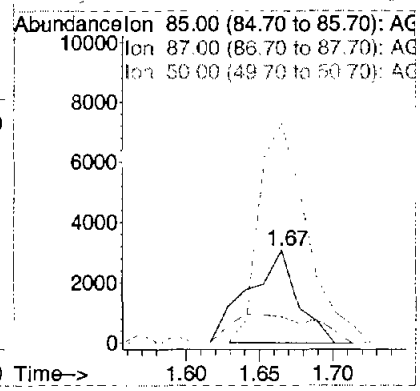
00282

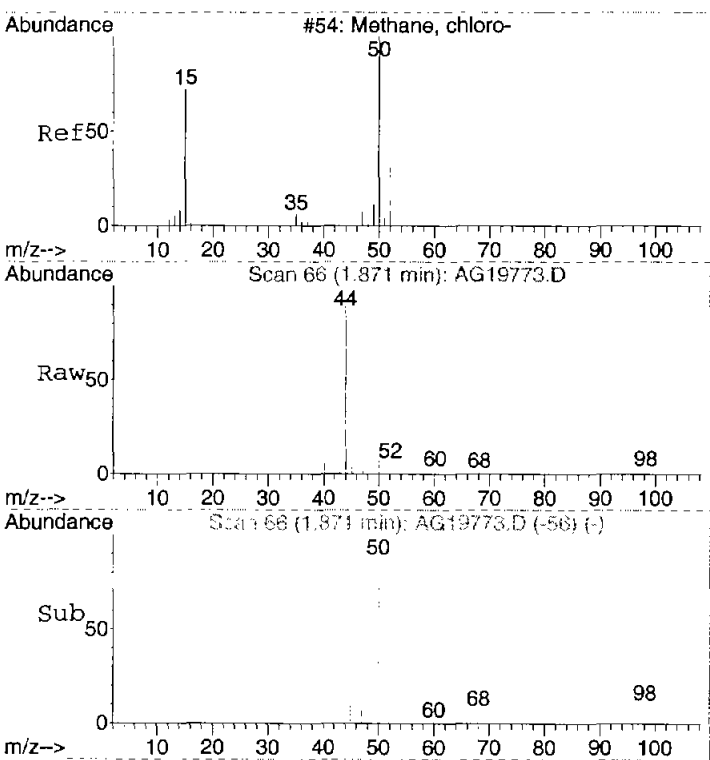


#2
Dichlorodifluoromethane
Concen: 0.19 ug/Kg
RT: 1.67 min Scan# 49
Delta R.T. 0.02 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 85 Resp: 7204

Ion	Ratio	Lower	Upper
85	100		
87	52.3	1.5	61.5
50	231.8	0.0	40.1#

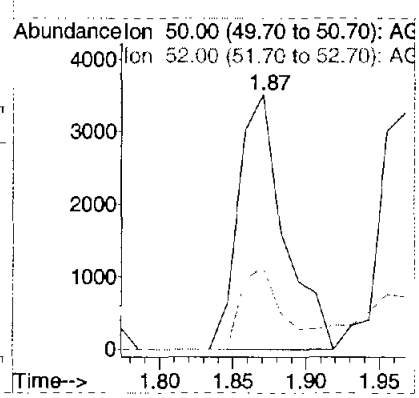


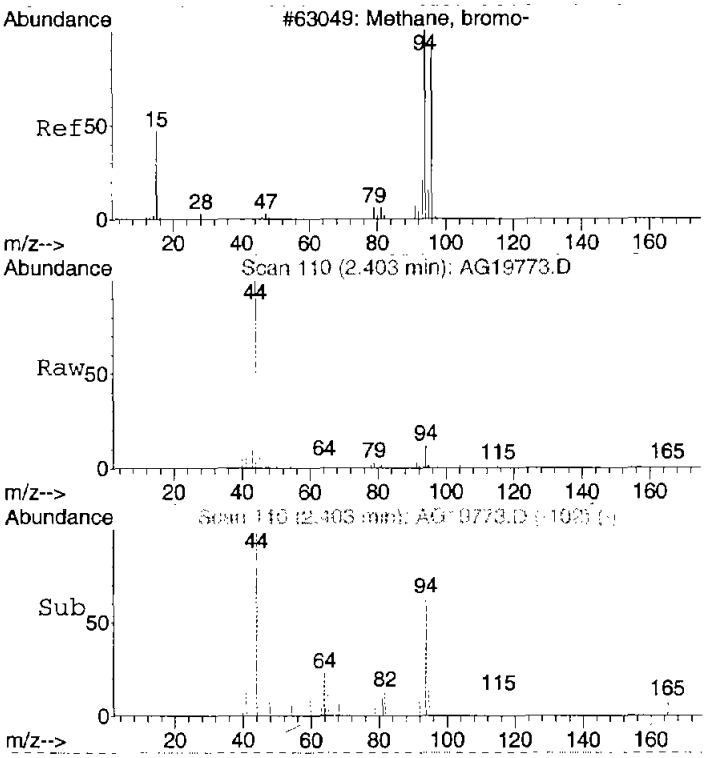


#3
Chloromethane
Concen: Below Cal
RT: 1.87 min Scan# 66
Delta R.T. 0.00 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 50 Resp: 7627

Ion	Ratio	Lower	Upper
50	100		
52	30.2	5.5	65.5

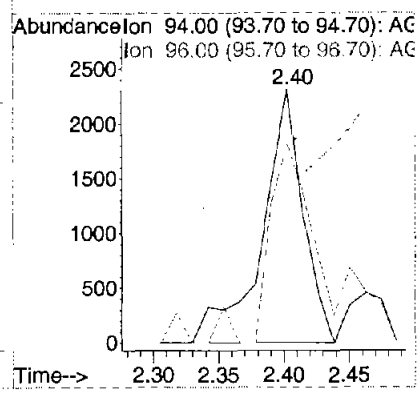


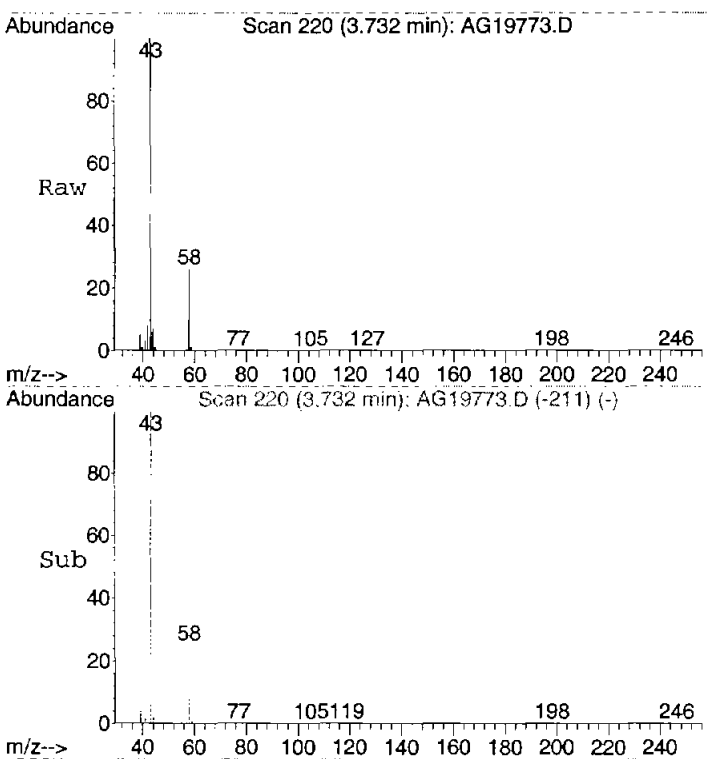


#5
Bromomethane
Concen: 0.39 ug/Kg
RT: 2.40 min Scan# 110
Delta R.T. -0.02 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 94 Resp: 5047

Ion	Ratio	Lower	Upper
94	100		
96	83.7	62.5	122.5

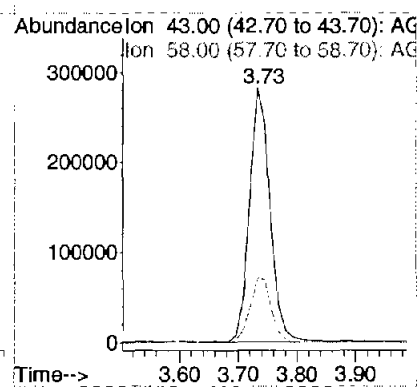


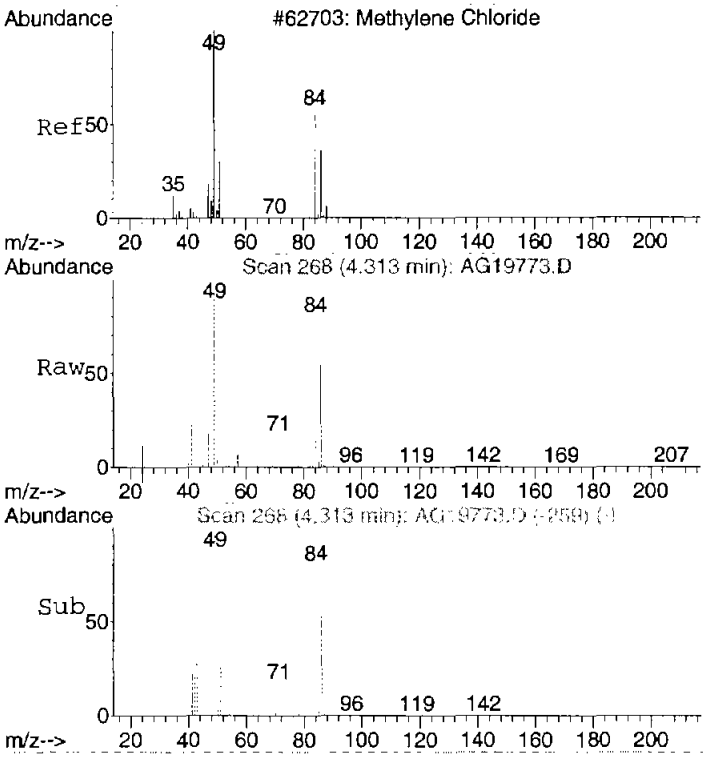


#11
Acetone
Concen: 122.07 ug/Kg
RT: 3.73 min Scan# 220
Delta R.T. 0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 43 Resp: 683888

Ion	Ratio	Lower	Upper
43	100		
58	26.5	2.4	62.4

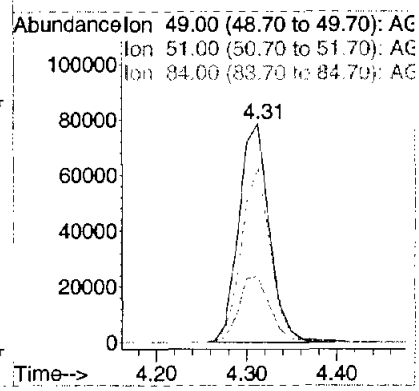


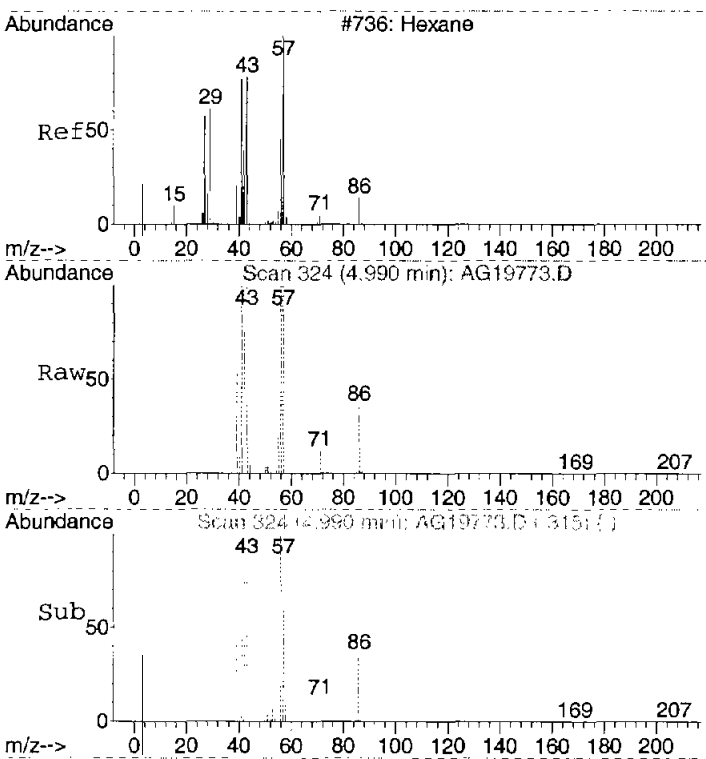


#13
Methylene Chloride
Concen: 3.99 ug/Kg
RT: 4.31 min Scan# 268
Delta R.T. -0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 49 Resp: 184398

Ion	Ratio	Lower	Upper
49	100		
51	31.8	0.0	59.0
84	77.1	49.0	109.0

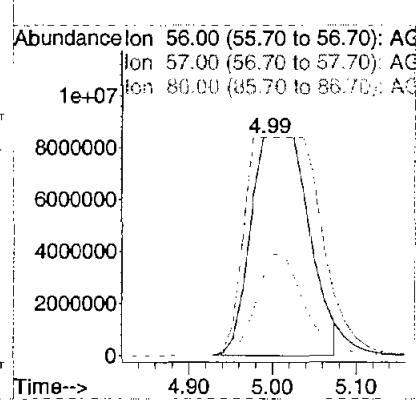


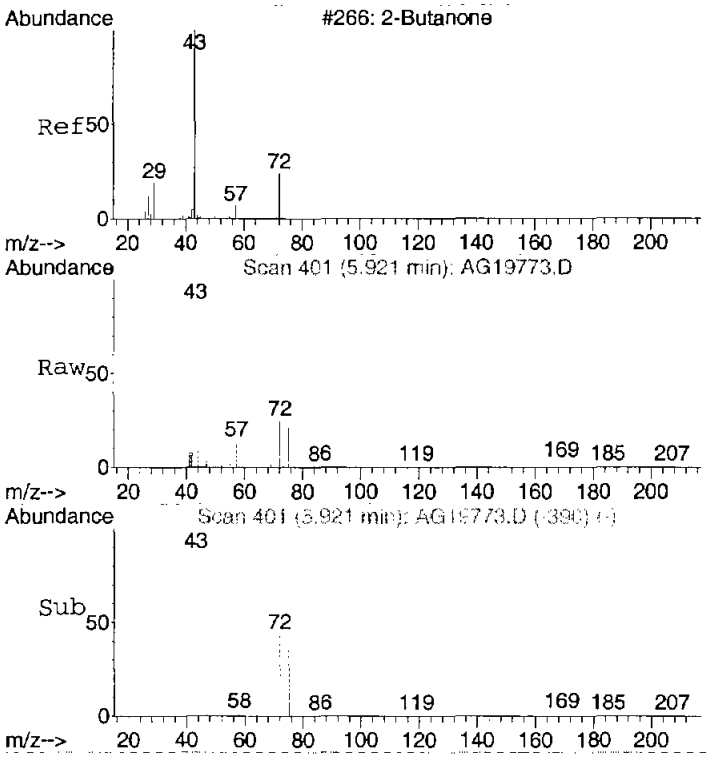


#16
Hexane
Concen: 1641.31 ug/Kg
RT: 4.99 min Scan# 324
Delta R.T. -0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 56 Resp:40906202

Ion	Ratio	Lower	Upper
56	100		
57	0.0	147.6	207.6#
86	37.0	1.8	61.8

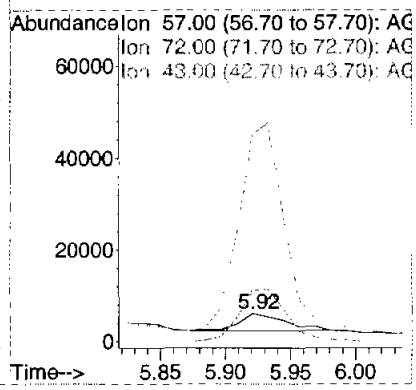


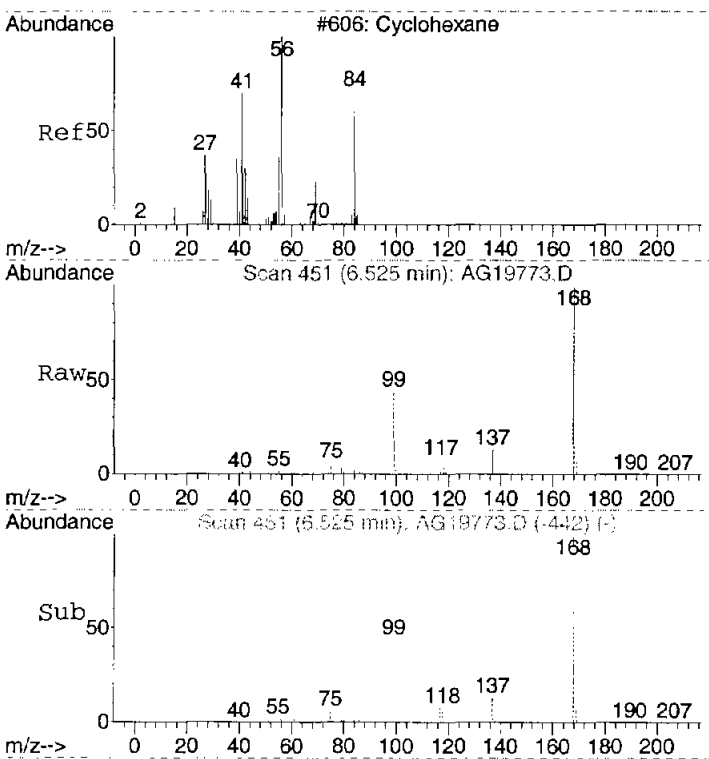


#23
2-Butanone
Concen: 12.23 ug/Kg
RT: 5.92 min Scan# 401
Delta R.T. 0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 57 Resp: 9656

Ion	Ratio	Lower	Upper
57	100		
72	297.4	339.1	399.1#
43	1122.5	1410.1	1470.1#

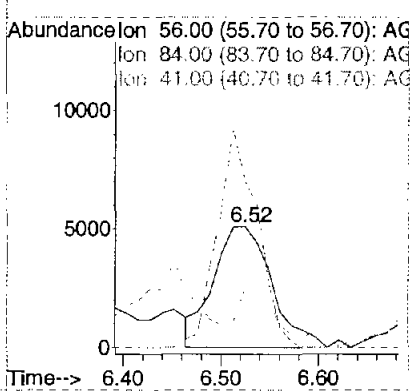


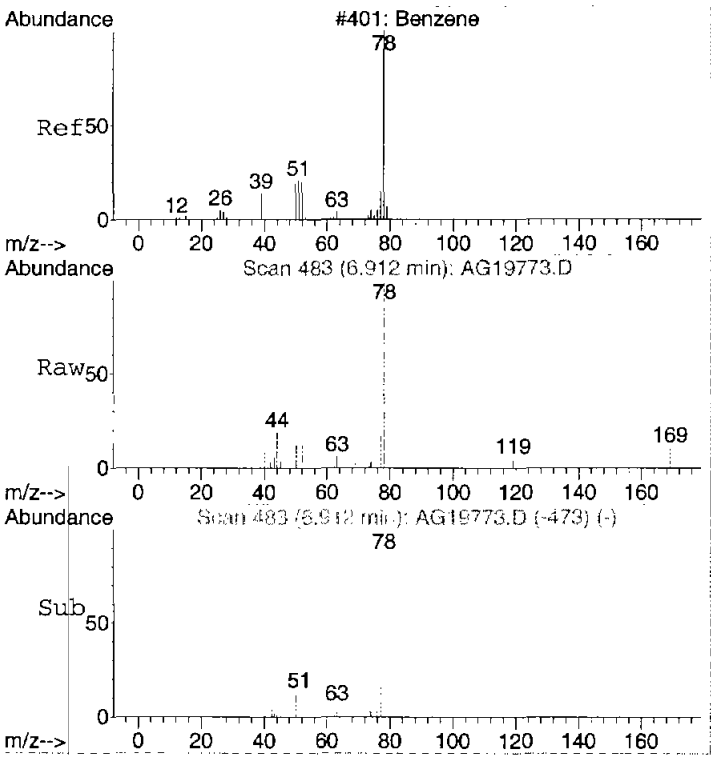


#27
Cyclohexane
Concen: 0.33 ug/Kg
RT: 6.52 min Scan# 451
Delta R.T. -0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 56 Resp: 21025

Ion	Ratio	Lower	Upper
56	100		
84	125.3	59.6	119.6#
41	20.6	21.7	81.7#

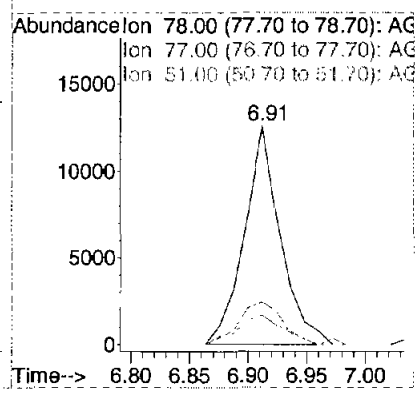


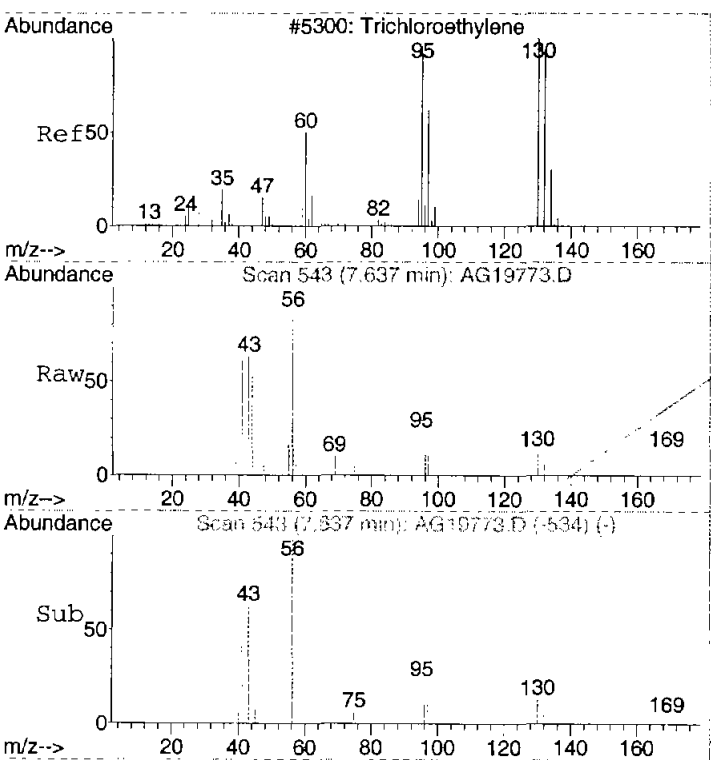


#32
Benzene
Concen: 0.22 ug/Kg
RT: 6.91 min Scan# 483
Delta R.T. 0.00 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 78 Resp: 26881

Ion	Ratio	Lower	Upper
78	100		
77	24.6	0.0	53.2
51	17.4	0.0	46.6

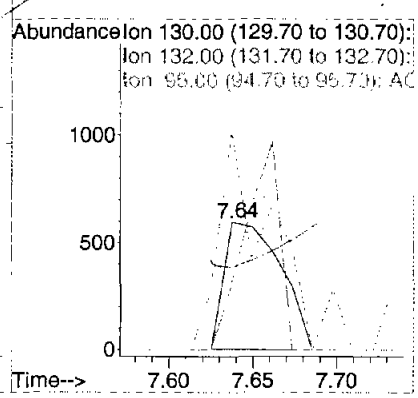


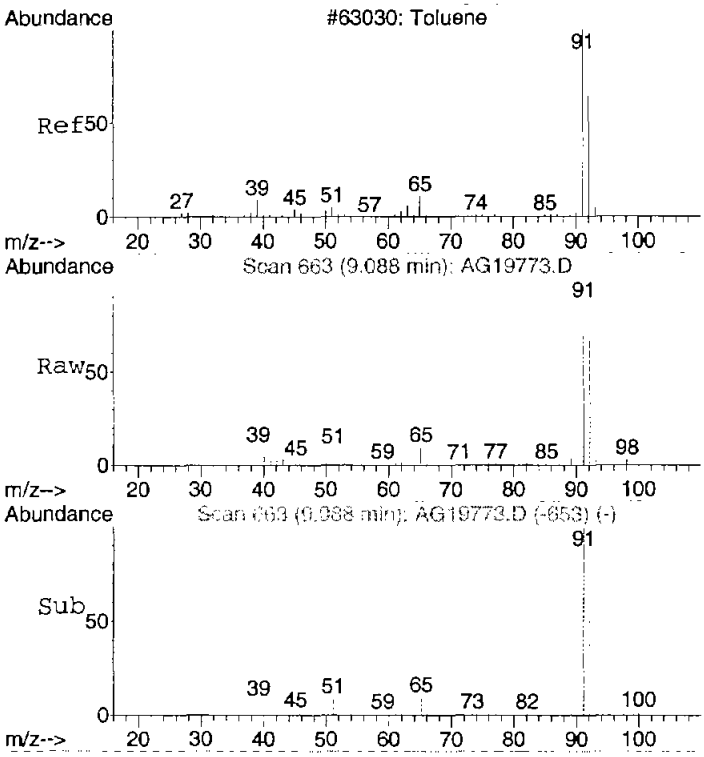


#37
Trichloroethene
Concen: 0.04 ug/Kg
RT: 7.64 min Scan# 543
Delta R.T. -0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion:130 Resp: 1394

Ion	Ratio	Lower	Upper
130	100		
132	101.6	69.6	129.6
95	165.4	64.7	124.7#

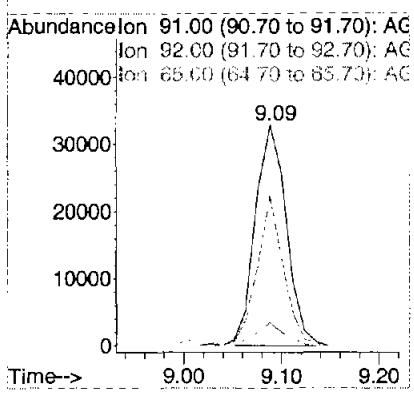


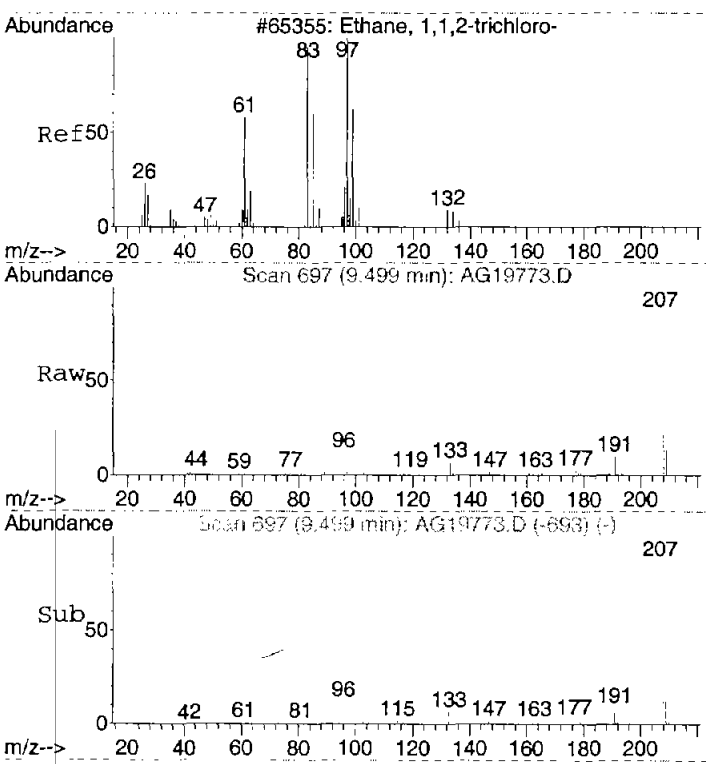


#46
Toluene
Concen: 0.56 ug/Kg
RT: 9.09 min Scan# 663
Delta R.T. -0.00 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 91 Resp: 72888

Ion	Ratio	Lower	Upper
91	100		
92	57.8	31.1	91.1
65	9.9	0.0	41.0

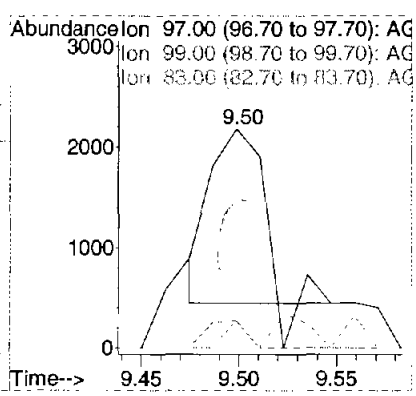


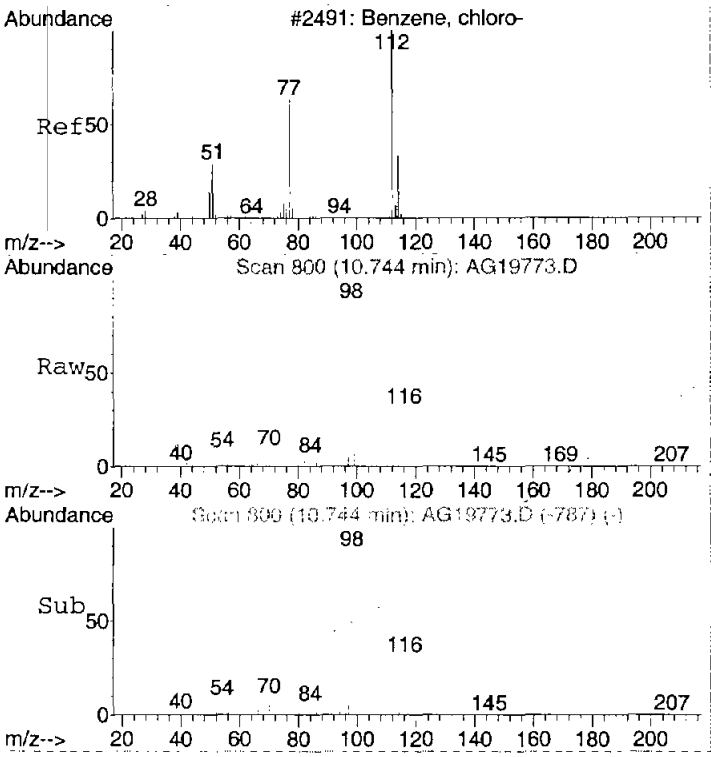


#48
1,1,2-Trichloroethane
Concen: 0.14 ug/Kg
RT: 9.50 min Scan# 697
Delta R.T. -0.07 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 97 Resp: 3187

Ion	Ratio	Lower	Upper
97	100		
99	12.0	37.2	97.2#
83	19.9	53.2	113.2#

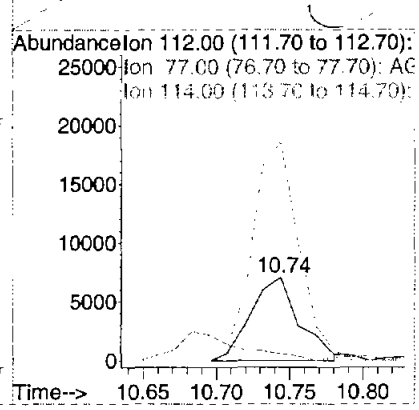


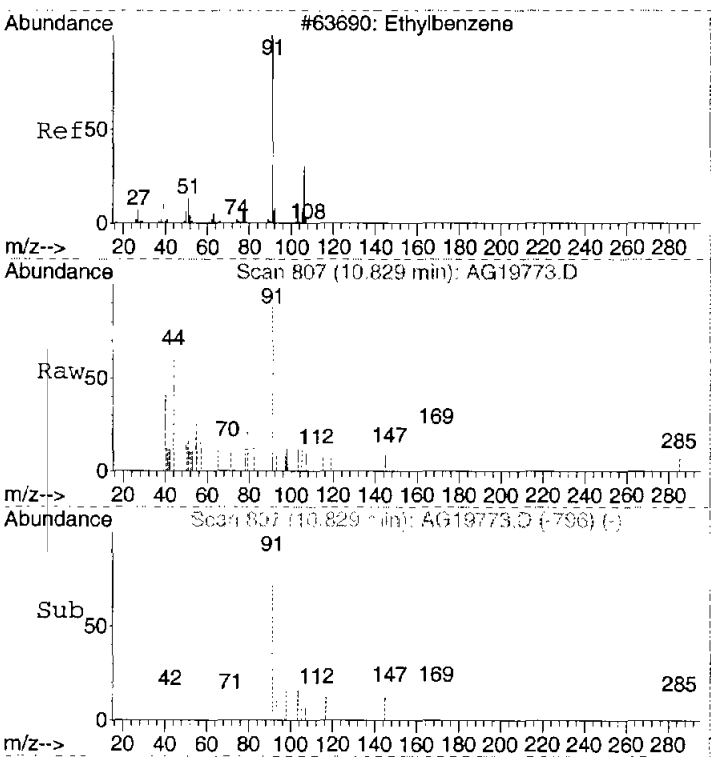


#56
Chlorobenzene
Concen: 0.18 ug/Kg
RT: 10.74 min Scan# 800
Delta R.T. 0.04 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion:112 Resp: 16348

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.8	84.8#
114	249.7	3.0	63.0#

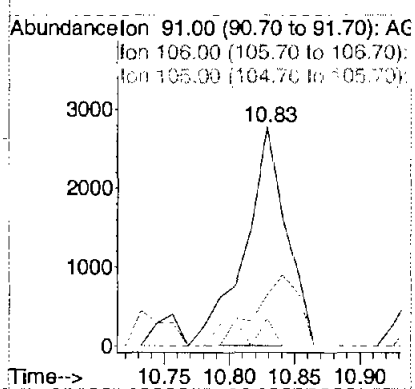


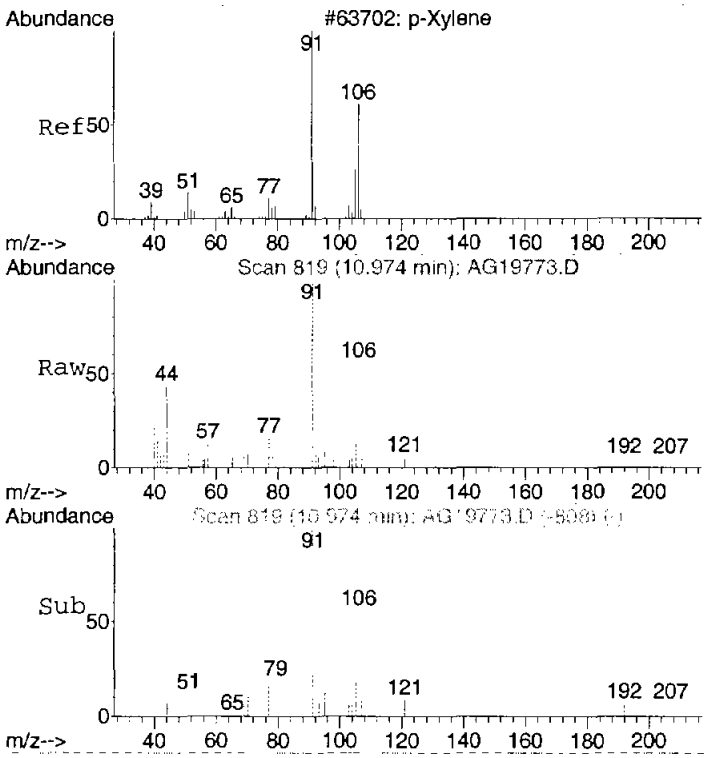


#58
Ethylbenzene
Concen: 0.04 ug/Kg
RT: 10.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 91 Resp: 6115

Ion	Ratio	Lower	Upper
91	100		
106	34.1	2.3	62.3
105	11.3	0.0	34.8

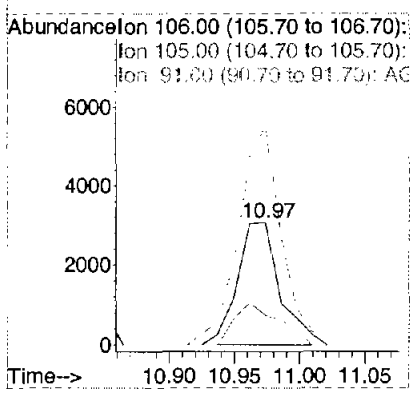


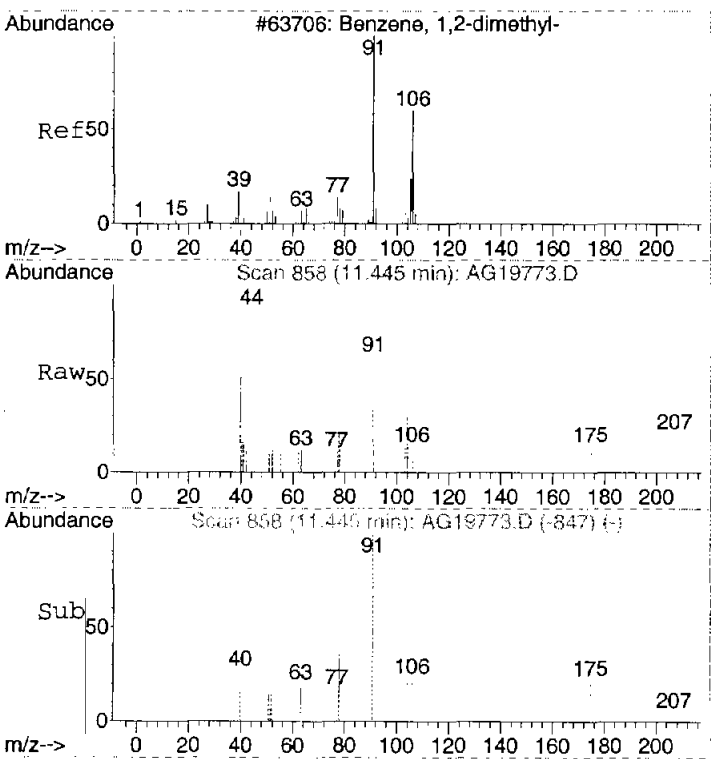


#59
m,p-Xylene
Concen: 0.12 ug/Kg
RT: 10.97 min Scan# 819
Delta R.T. 0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion:106 Resp: 6890

Ion	Ratio	Lower	Upper
106	100		
105	36.0	15.7	75.7
91	181.4	165.6	225.6

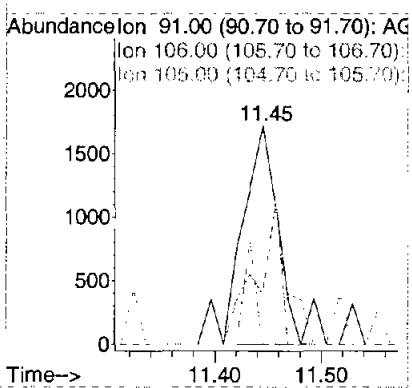


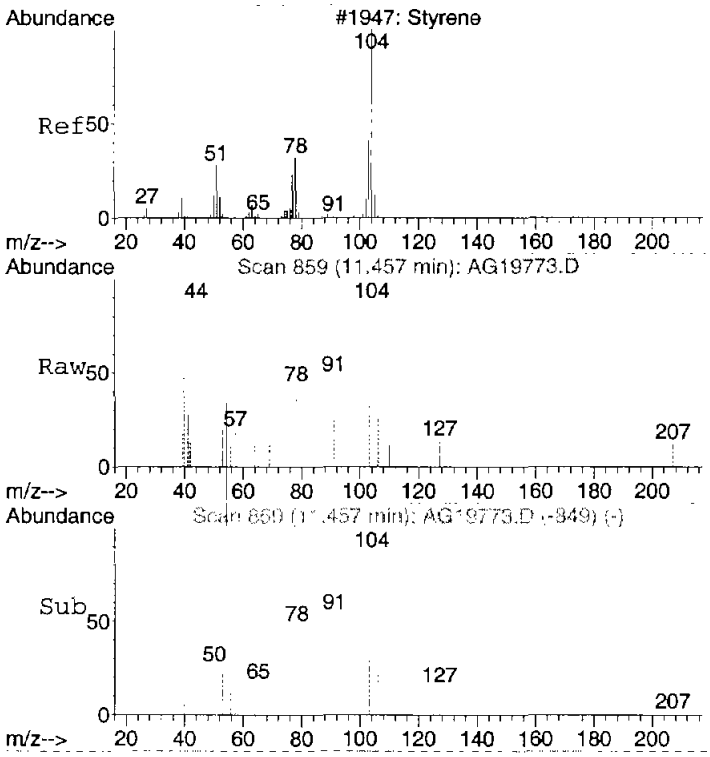


#60
o-Xylene
Concen: 0.04 ug/Kg
RT: 11.45 min Scan# 858
Delta R.T. 0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion: 91 Resp: 4265

Ion	Ratio	Lower	Upper
91	100		
106	41.6	18.7	78.7
105	14.0	0.0	51.7

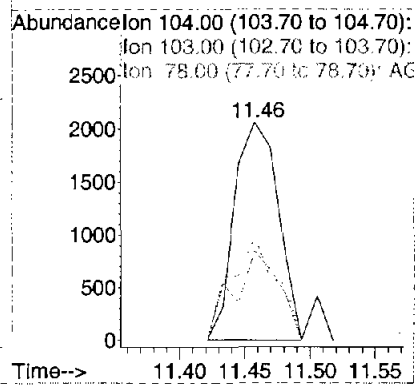


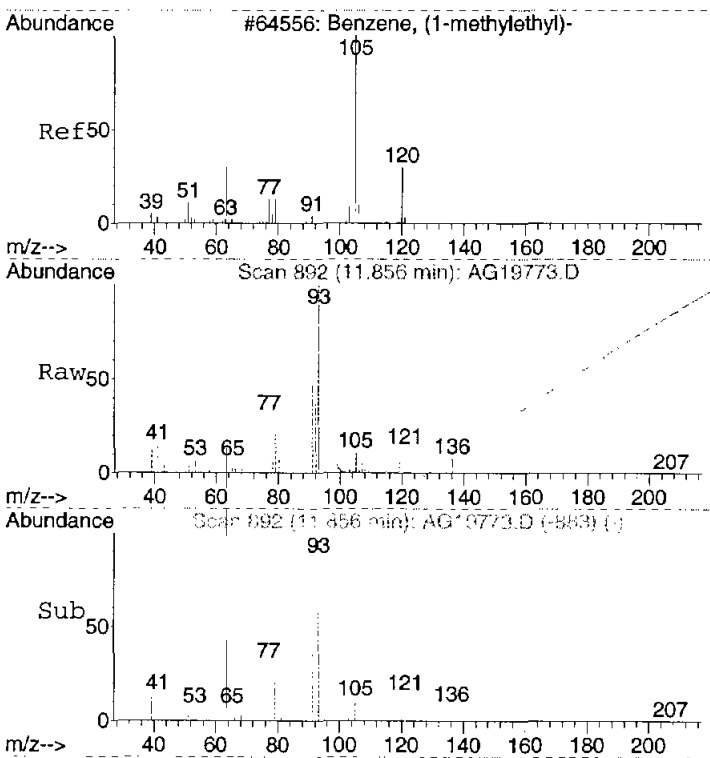


#61
Styrene
Concen: 0.06 ug/Kg
RT: 11.46 min Scan# 859
Delta R.T. 0.00 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion:104 Resp: 5150

Ion	Ratio	Lower	Upper
104	100		
103	40.3	16.9	76.9
78	46.6	10.4	70.4

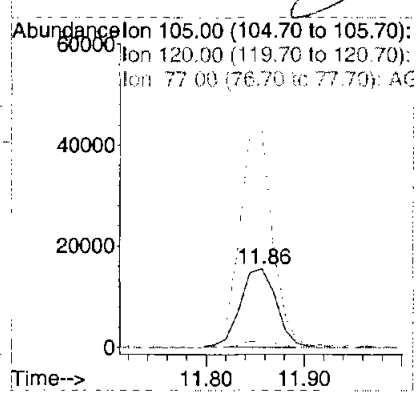


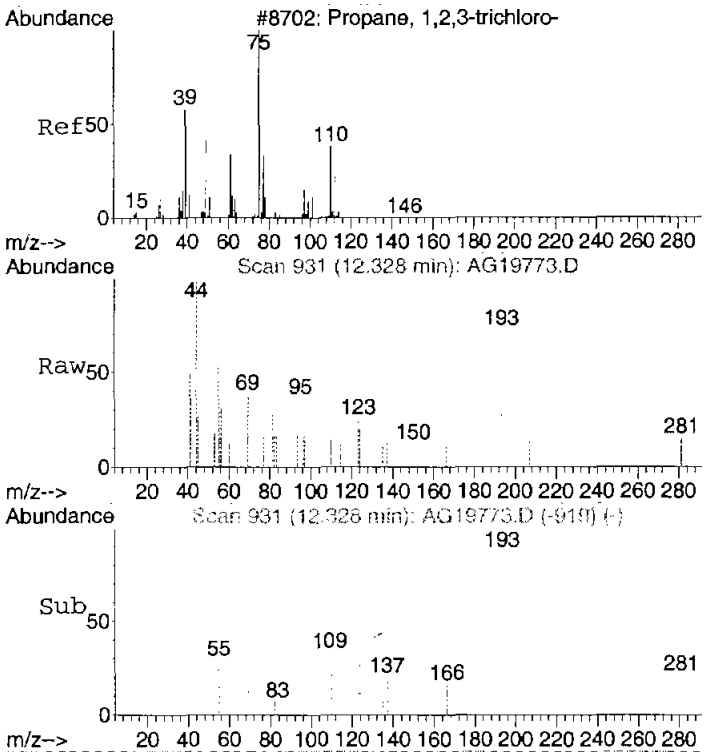


#63
Isopropylbenzene
Concen: 0.29 ug/Kg
RT: 11.86 min Scan# 892
Delta R.T. -0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion:105 Resp: 40230

Ion	Ratio	Lower	Upper
105	100		
120	7.1	0.0	56.5
77	255.3	0.0	43.0#

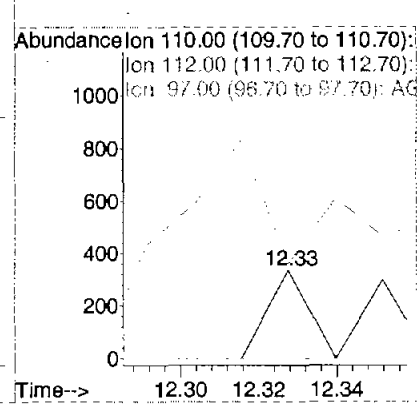


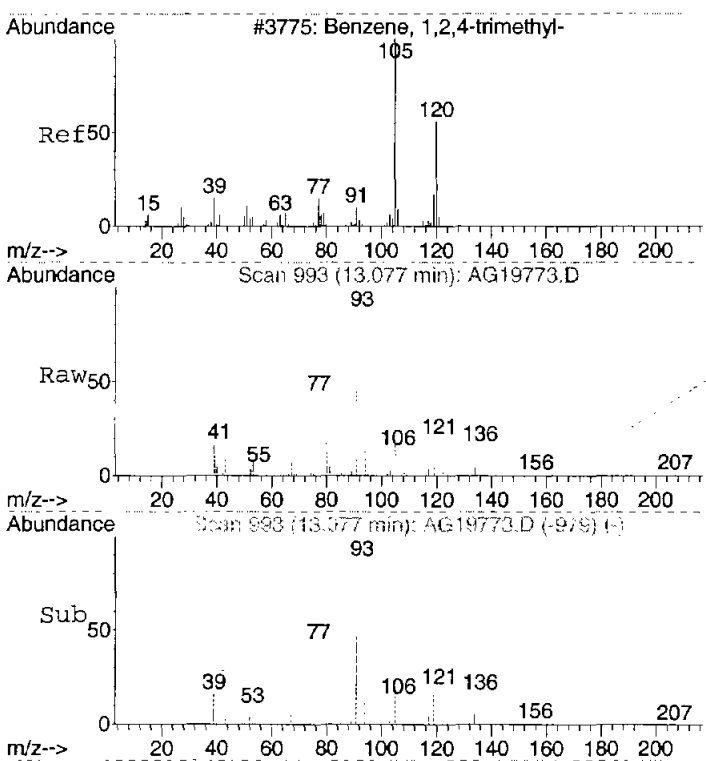


#67
1,2,3-Trichloropropane
Concen: Below Cal
RT: 12.33 min Scan# 931
Delta R.T. 0.03 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion:110 Resp: 244

Ion	Ratio	Lower	Upper
110	100		
112	0.0	30.1	90.1#
97	1263.9	23.6	83.6#

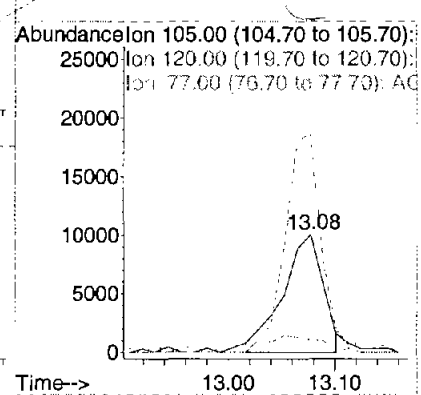


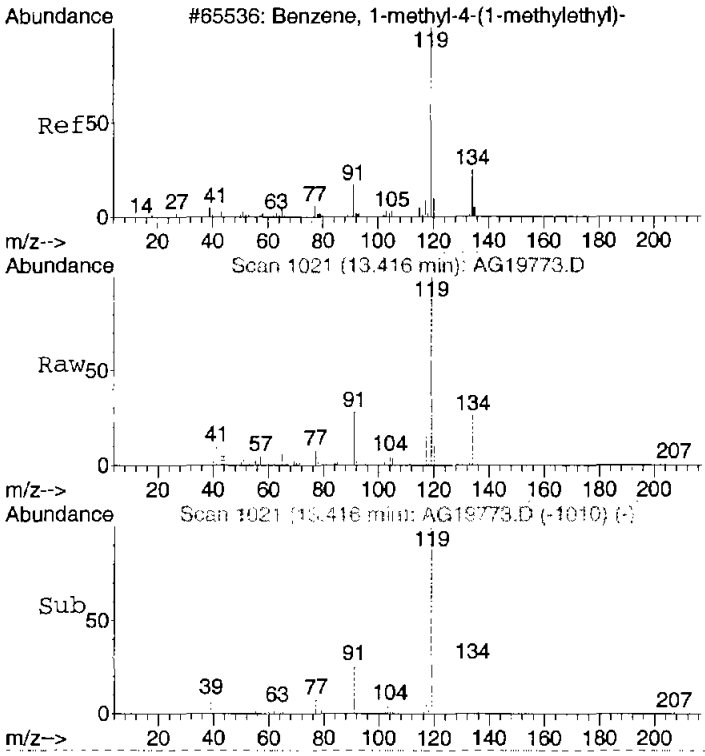


#73
1,2,4-Trimethylbenzene
Concen: 0.24 ug/Kg
RT: 13.08 min Scan# 993
Delta R.T. 0.05 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion:105 Resp: 27547

Ion	Ratio	Lower	Upper
105	100		
120	17.9	19.2	79.2#
77	160.0	0.0	41.5#

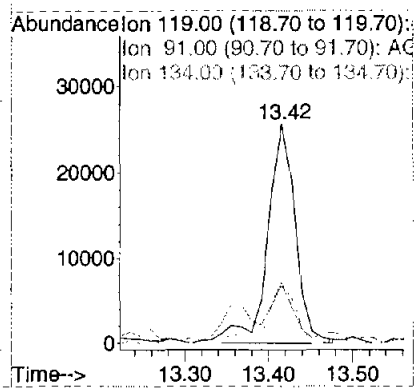




#75
4-Isopropyltoluene
Concen: 0.46 ug/Kg
RT: 13.42 min Scan# 1021
Delta R.T. 0.01 min
Lab File: AG19773.D
Acq: 3 Dec 2004 9:55 pm

Tgt Ion:119 Resp: 60297

Ion	Ratio	Lower	Upper
119	100		
91	18.8	0.0	51.9
134	26.7	0.0	55.6



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19763.D
Acq On : 3 Dec 2004 5:39 pm
Sample : 125060-8 voa1056
Misc : Soil #5.093
MS Integration Params: RTEINT.P
Quant Time: Dec 06 11:04:55 2004

Vial: 13
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	803765	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1210777	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	228600	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	453804	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	385061	10.16	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	101.60%	
34) Fluorobenzene(S)	7.23	96	1317722	9.02	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	90.20%#	
36) Trifluorotoluene(S)	7.96	146	1374114	21.81	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery	=	109.05%	
45) Toluene-d8(S)	9.02	98	1288801	9.72	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	97.20%	
55) Ethylbenzene-d10(S)	10.74	98	1606811	9.59	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	=	95.90%	
64) Bromofluorobenzene(S)	12.09	174	401412	9.32	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	93.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.67	85	6939	~~0.16~~	~~ug/Kg#~~	1
3) Chloromethane	1.86	50	8144	Below Cal		94
5) Bromomethane	2.40	94	7713	0.60	ug/Kg	89
7) Trichlorofluoromethane	2.89	101	1614	Below Cal	#	1
11) Acetone	3.73	43	423125	63.34	ug/Kg	92
13) Methylene Chloride	4.31	49	115873	1.77	ug/Kg	95
16) Hexane	4.99	56	40741754	1394.64	ug/Kg#	1
23) 2-Butanone	5.93	57	8414	8.75	ug/Kg#	1
27) Cyclohexane	6.51	56	22496	~~0.30~~	~~ug/Kg#~~	57
32) Benzene	6.91	78	47951	0.33	ug/Kg	95
37) Trichloroethene	7.65	130	1559	0.04	ug/Kg	83
46) Toluene	9.09	91	46081	0.30	ug/Kg	95
49) Tetrachloroethene	9.73	164	26677	0.79	ug/Kg	97
56) Chlorobenzene	10.73	112	15945	~~0.15~~	~~ug/Kg#~~	1
58) Ethylbenzene	10.83	91	8776	0.05	ug/Kg#	92
59) m,p-Xylene	10.97	106	8233	0.12	ug/Kg	94
60) o-Xylene	11.45	91	5022	0.04	ug/Kg	81
61) Styrene	11.46	104	8367	0.08	ug/Kg	85
66) 1,1,2,2-Tetrachloroethane	12.27	83	5544+	0.11	ug/Kg	92
67) 1,2,3-Trichloropropane	12.36	110	221	Below Cal	#	1
73) 1,2,4-Trimethylbenzene	13.07	105	15520	0.12	ug/Kg#	38

Unreviewed

44629

(#) = qualifier out of range (m) = manual integration (+) = signals summed

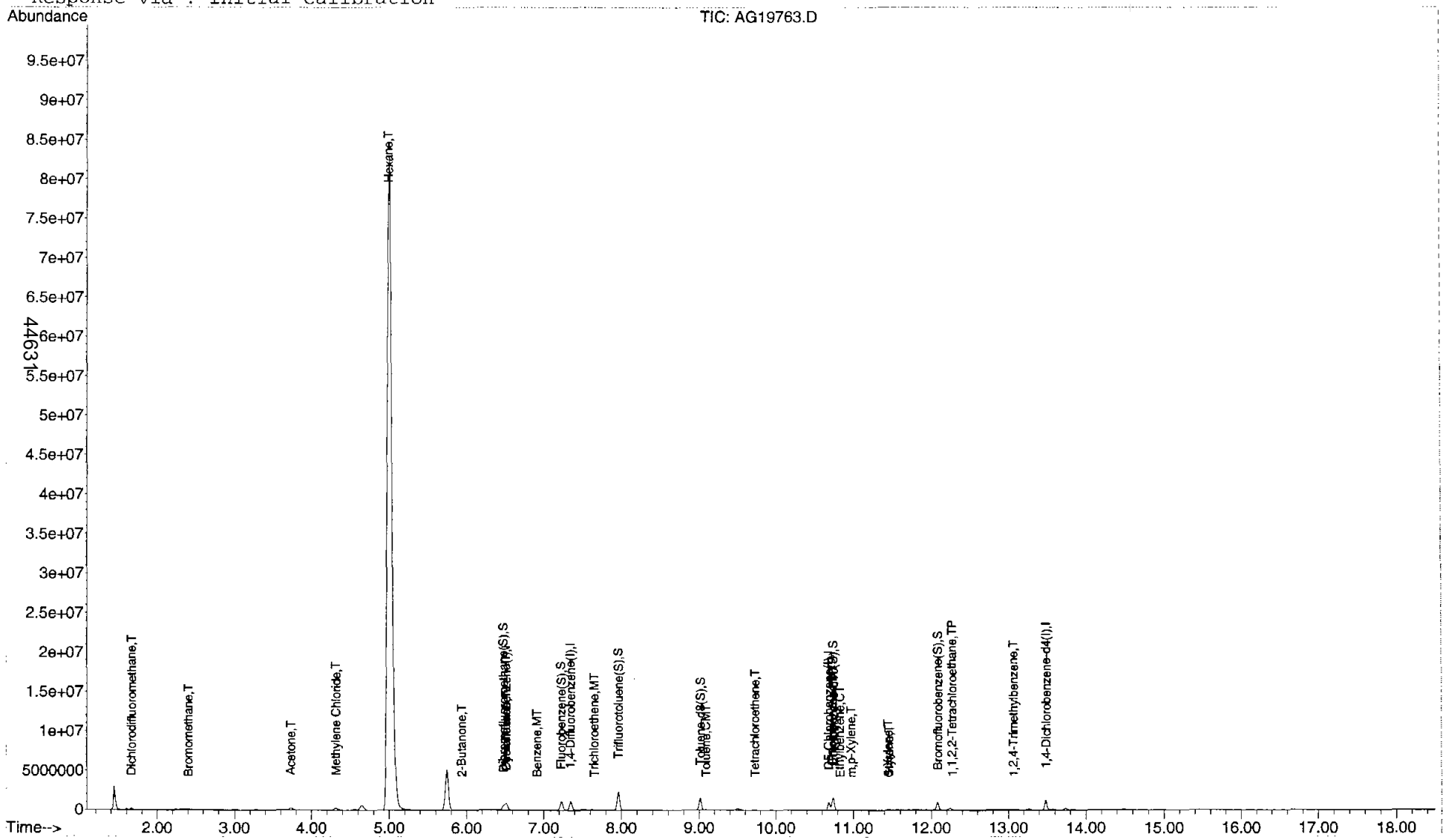
00294

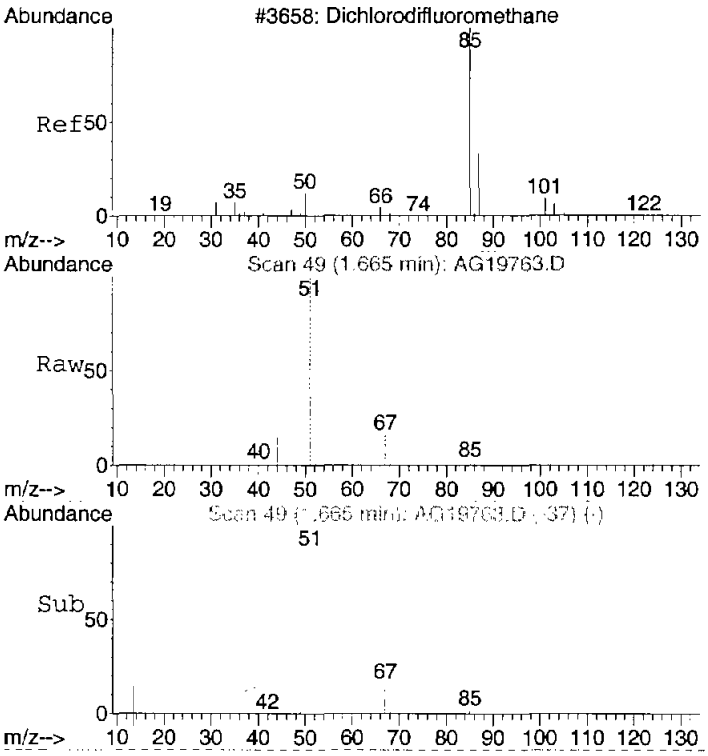
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19763.D
Acq On : 3 Dec 2004 5:39 pm
Sample : 125060-8 voa1056
Misc : Soil #5.093
MS Integration Params: RTEINT.P
Quant Time: Dec 6 11:04 2004

Vial: 13
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration

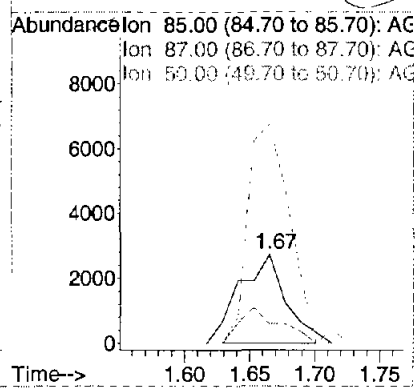


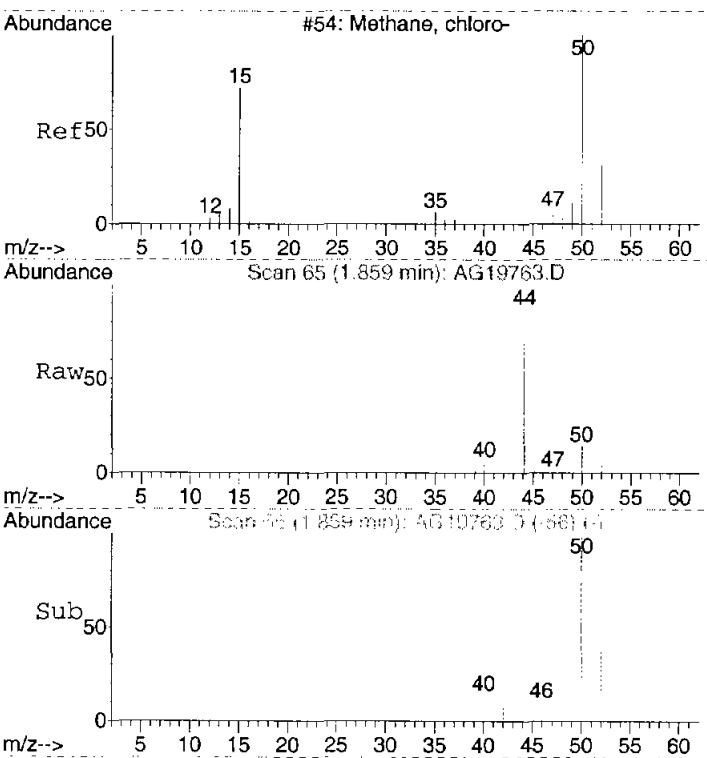


#2
Dichlorodifluoromethane
Concen: 0.16 ug/Kg
RT: 1.67 min Scan# 49
Delta R.T. 0.02 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 85 Resp: 6939

Ion	Ratio	Lower	Upper
85	100		
87	34.7	1.5	61.5
50	215.8	0.0	40.1#

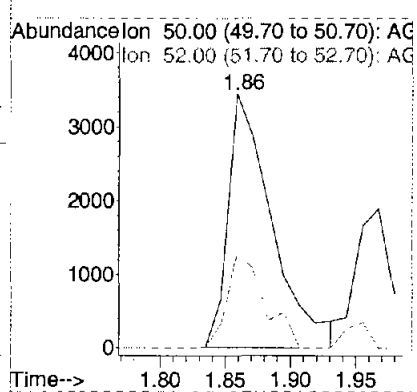


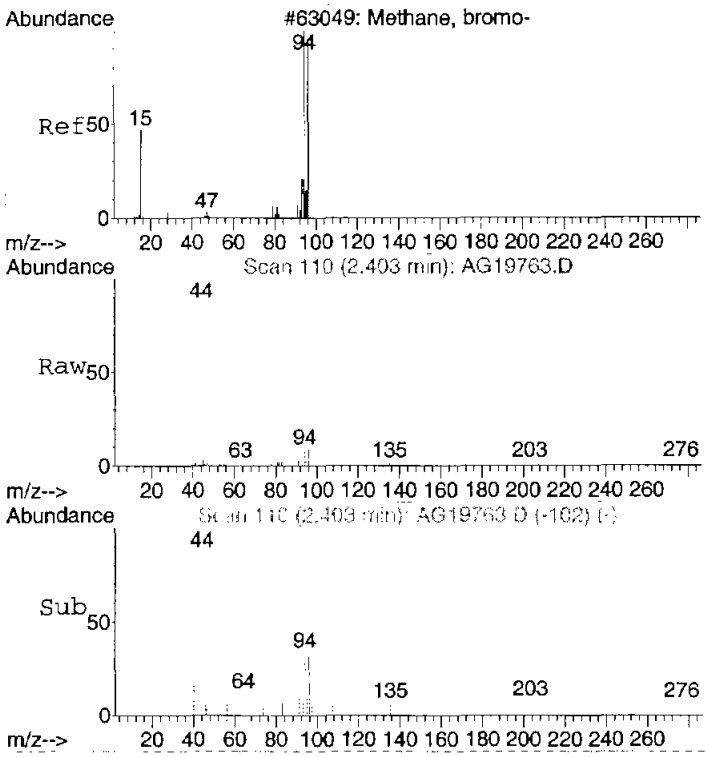


#3
Chloromethane
Concen: Below Cal
RT: 1.86 min Scan# 65
Delta R.T. -0.01 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 50 Resp: 8144

Ion	Ratio	Lower	Upper
50	100		
52	31.9	5.5	65.5

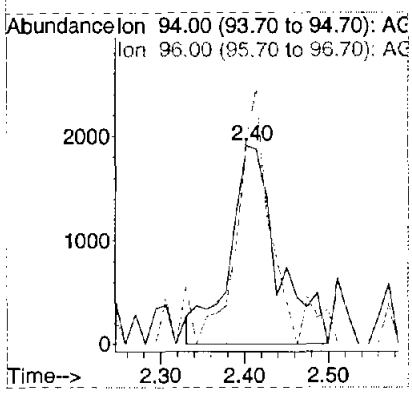


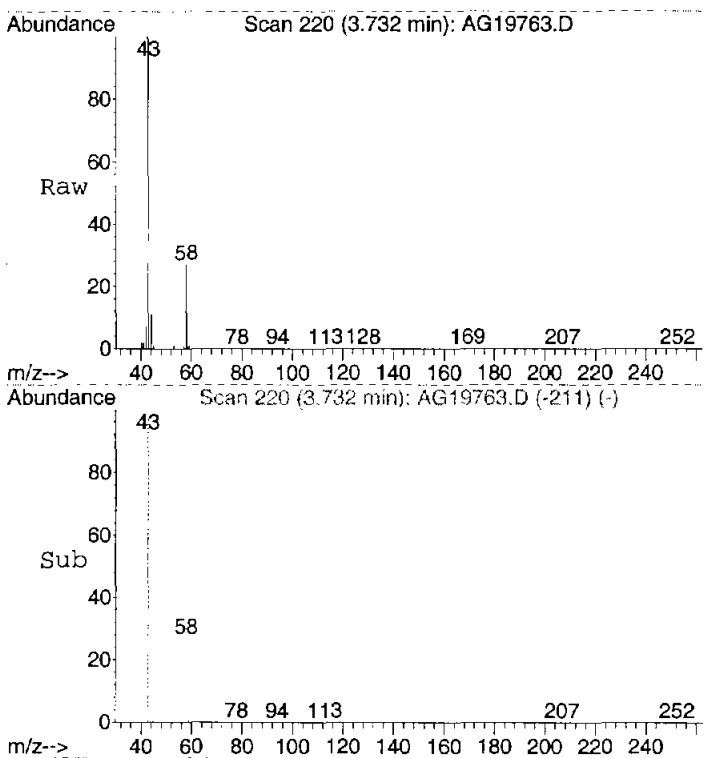


#5
Bromomethane
Concen: 0.60 ug/Kg
RT: 2.40 min Scan# 110
Delta R.T. -0.02 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 94 Resp: 7713

Ion	Ratio	Lower	Upper
94	100		
96	82.3	62.5	122.5

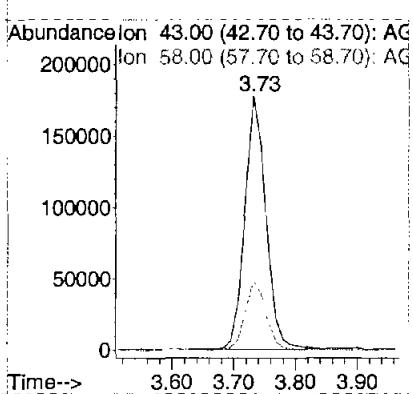


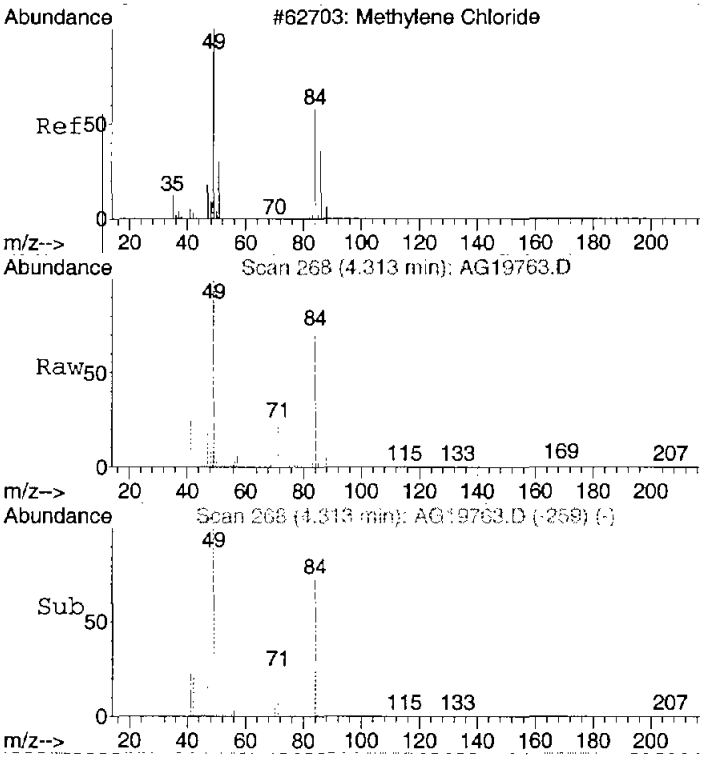


#11
Acetone
Concen: 63.34 ug/Kg
RT: 3.73 min Scan# 220
Delta R.T. 0.01 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 43 Resp: 423125

Ion	Ratio	Lower	Upper
43	100		
58	27.8	2.4	62.4

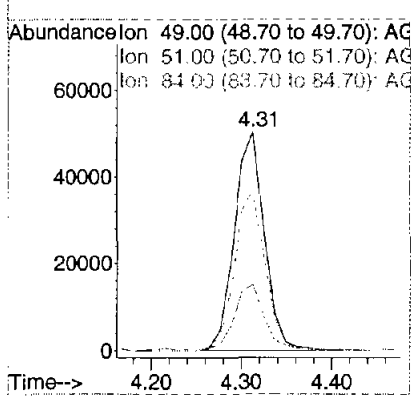


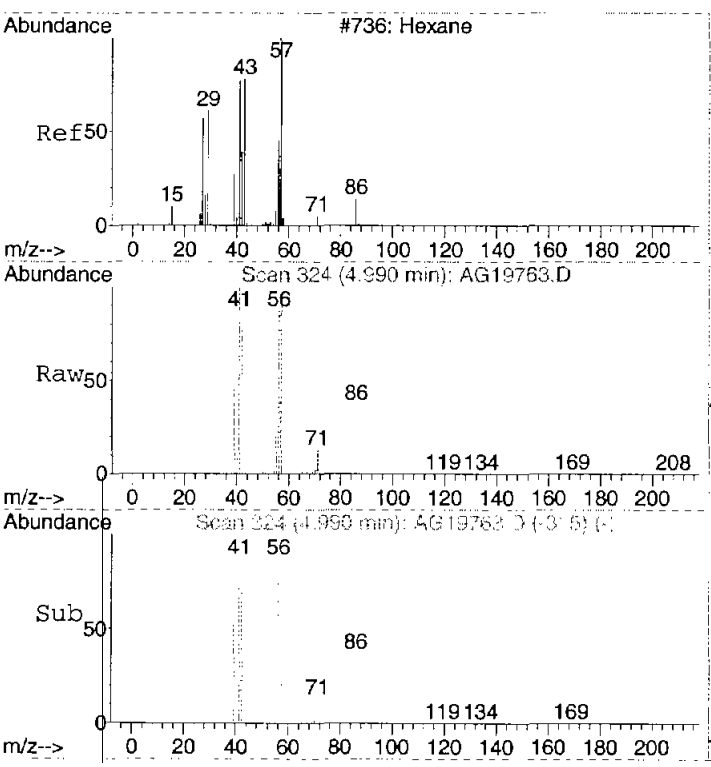


#13
Methylene Chloride
Concen: 1.77 ug/Kg
RT: 4.31 min Scan# 268
Delta R.T. -0.01 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 49 Resp: 115873

Ion	Ratio	Lower	Upper
49	100		
51	30.8	0.0	59.0
84	74.5	49.0	109.0

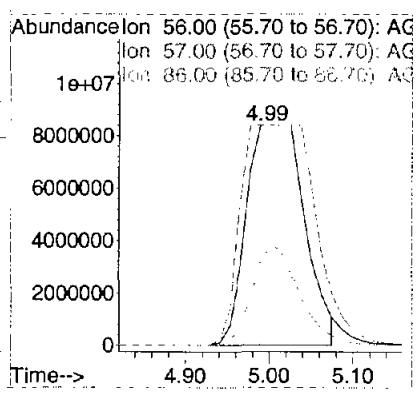


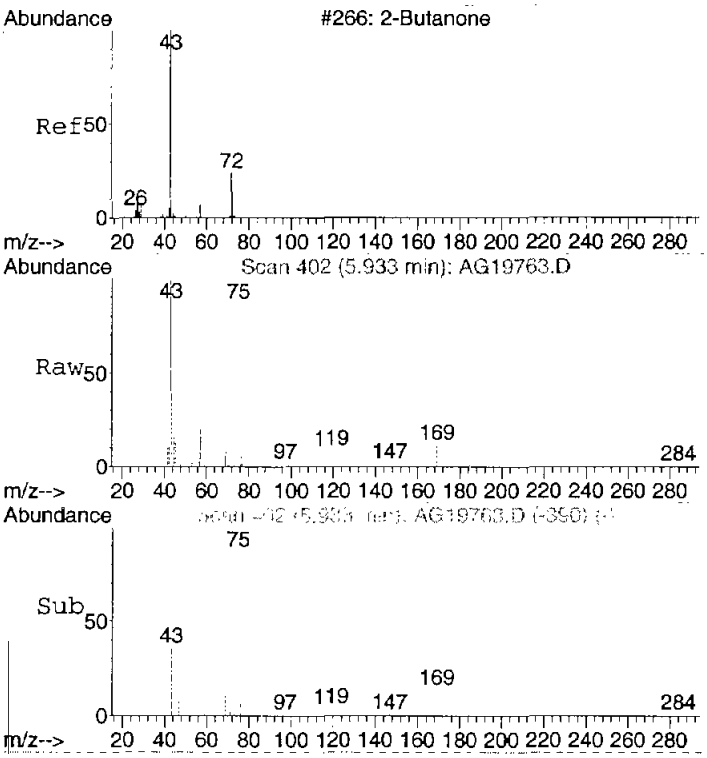


#16
Hexane
Concen: 1394.64 ug/Kg
RT: 4.99 min Scan# 324
Delta R.T. -0.01 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 56 Resp:40741754

Ion	Ratio	Lower	Upper
56	100		
57	0.0	147.6	207.6#
86	36.0	1.8	61.8

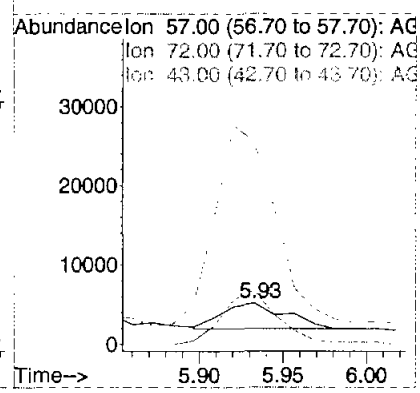


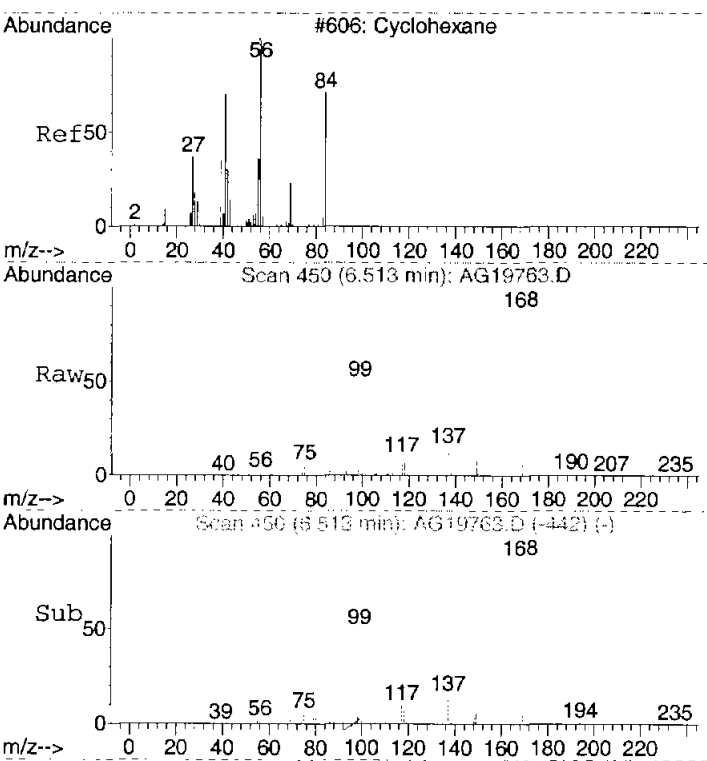


#23
2-Butanone
Concen: 8.75 ug/Kg
RT: 5.93 min Scan# 402
Delta R.T. 0.02 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 57 Resp: 8414

Ion	Ratio	Lower	Upper
57	100		
72	186.1	339.1	399.1#
43	743.2	1410.1	1470.1#

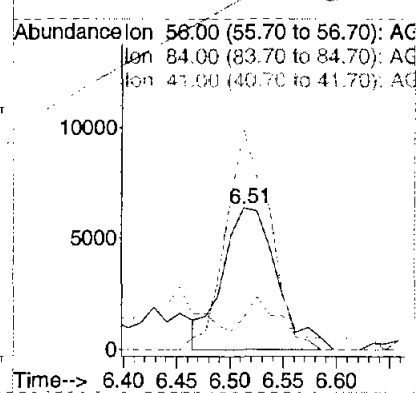


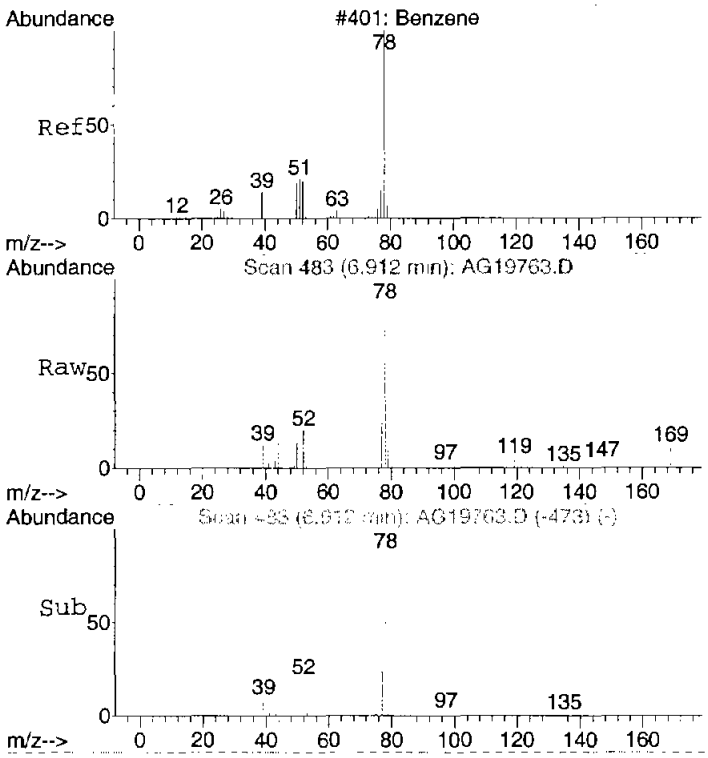


#27
Cyclohexane
Concen: 0.30 ug/Kg
RT: 6.51 min Scan# 450
Delta R.T. -0.02 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 56 Resp: 22496

Ion	Ratio	Lower	Upper
56	100		
84	125.8	59.6	119.6#
41	16.0	21.7	81.7#

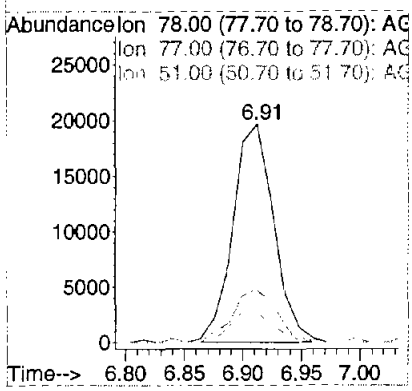


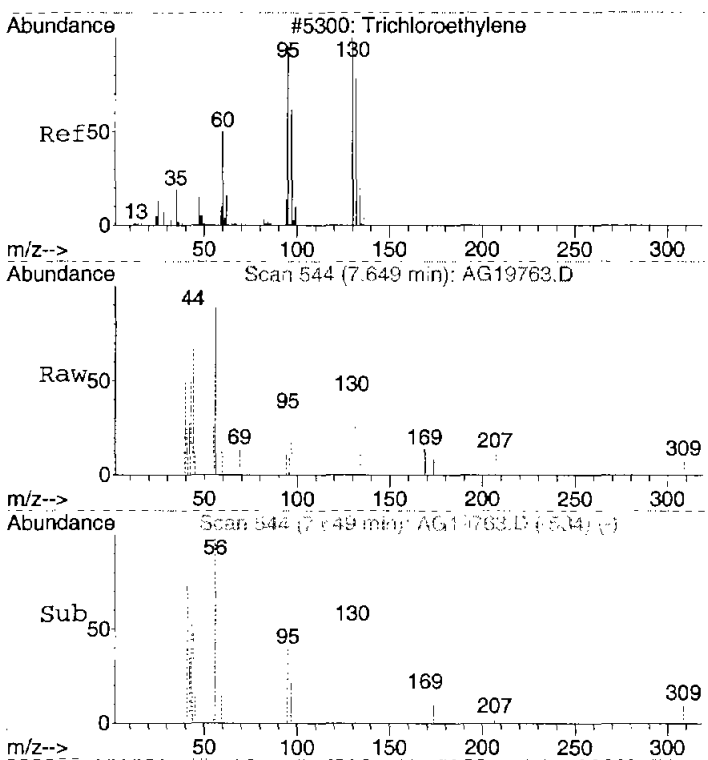


#32
Benzene
Concen: 0.33 ug/Kg
RT: 6.91 min Scan# 483
Delta R.T. 0.00 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 78 Resp: 47951

Ion	Ratio	Lower	Upper
78	100		
77	26.5	0.0	53.2
51	15.4	0.0	46.6

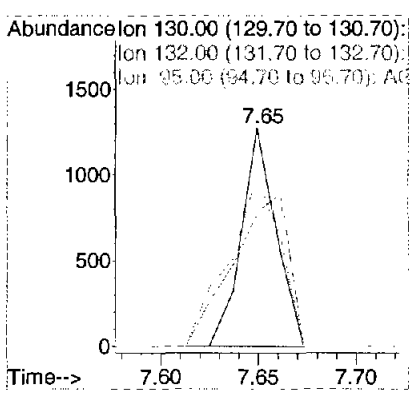


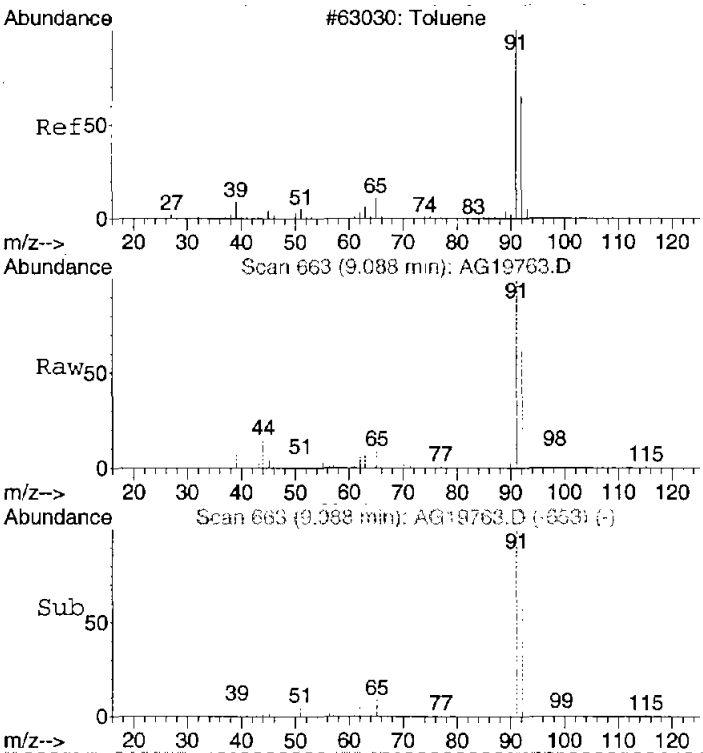


#37
Trichloroethene
Concen: 0.04 ug/Kg
RT: 7.65 min Scan# 544
Delta R.T. 0.00 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion:130 Resp: 1559

Ion	Ratio	Lower	Upper
130	100		
132	112.2	69.6	129.6
95	115.7	64.7	124.7

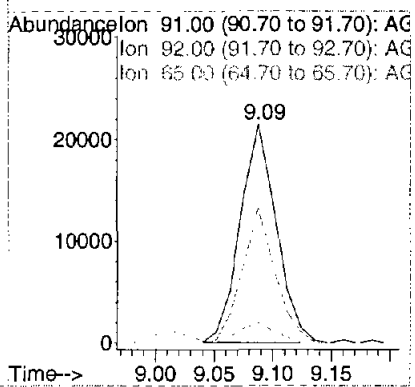


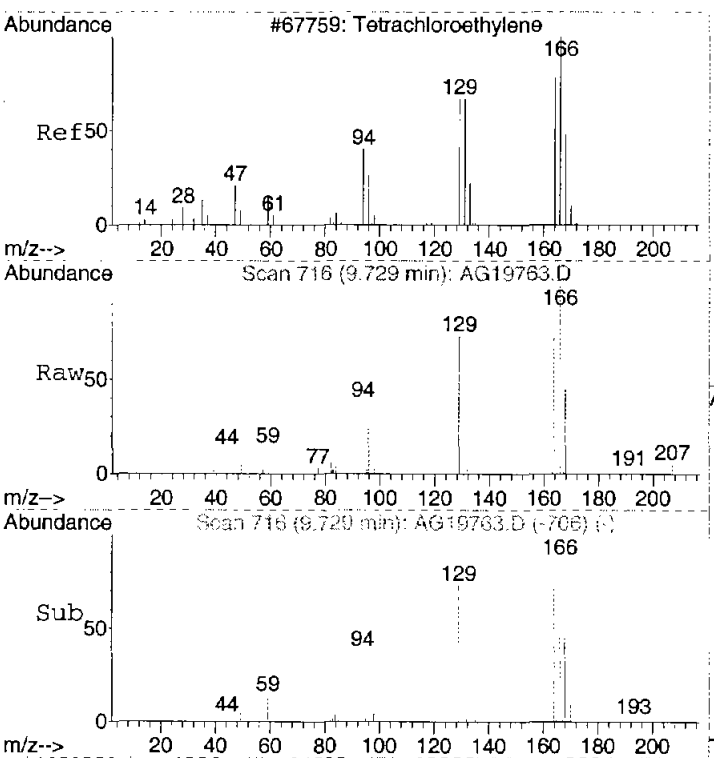


#46
Toluene
Concen: 0.30 ug/Kg
RT: 9.09 min Scan# 663
Delta R.T. -0.00 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 91 Resp: 46081

Ion	Ratio	Lower	Upper
91	100		
92	57.3	31.1	91.1
65	9.3	0.0	41.0

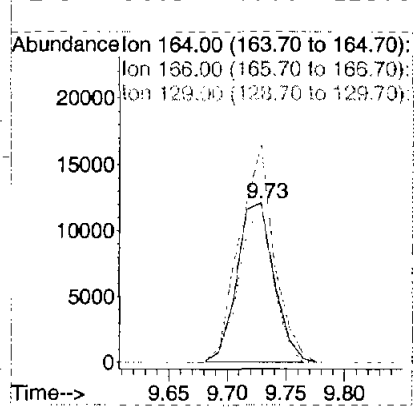


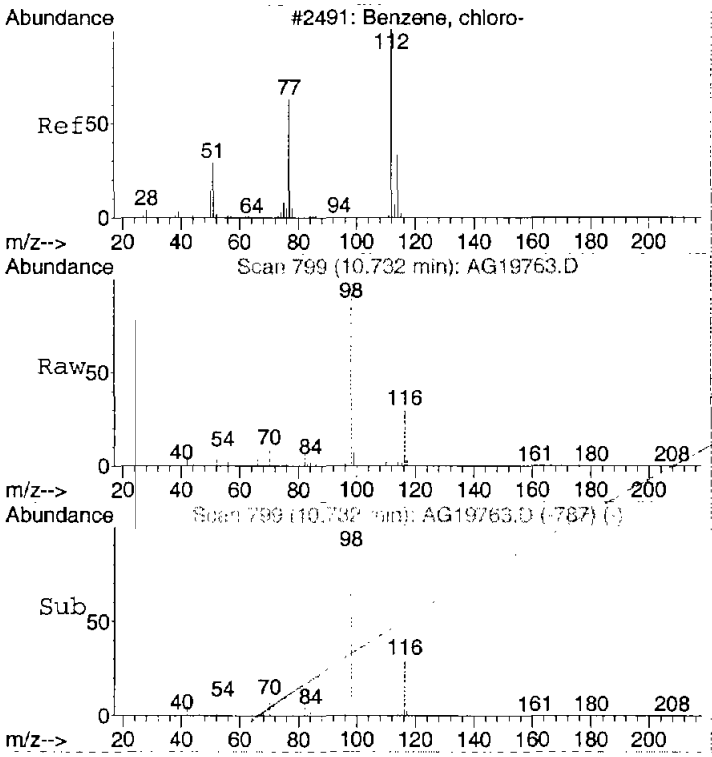


#49
Tetrachloroethene
Concen: 0.79 ug/Kg
RT: 9.73 min Scan# 716
Delta R.T. -0.00 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion:164 Resp: 26677

Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.0	161.0
129	90.3	63.0	123.0

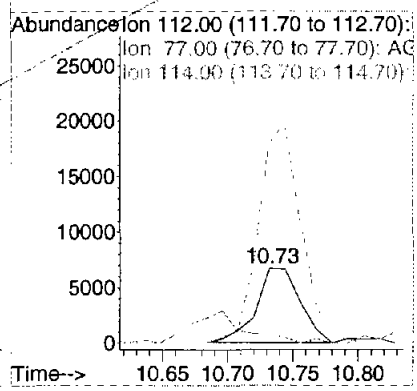


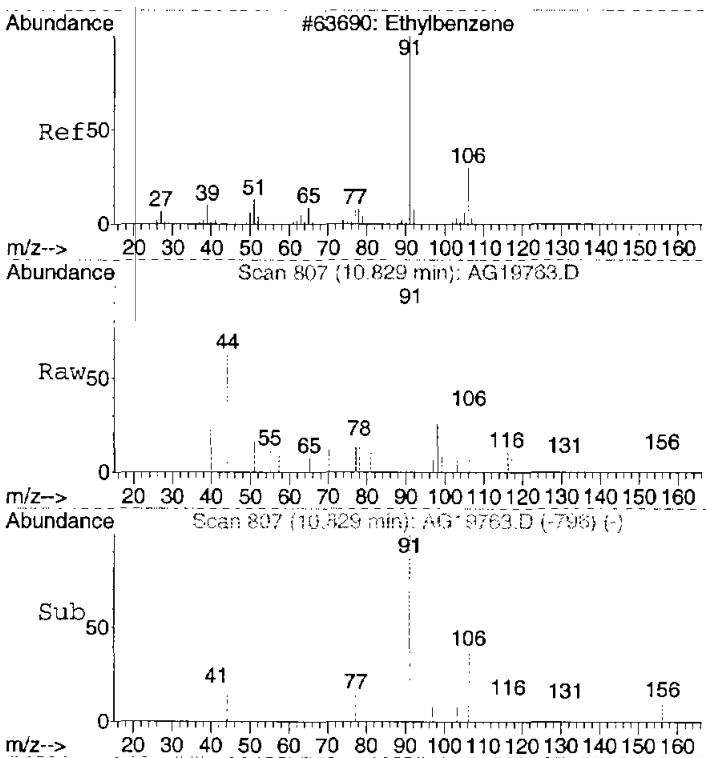


#56
Chlorobenzene
Concen: 0.15 ug/Kg
RT: 10.73 min Scan# 799
Delta R.T. 0.02 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion:112 Resp: 15945

Ion	Ratio	Lower	Upper
112	100		
77	53.2	24.8	84.8
114	279.0	3.0	63.0#

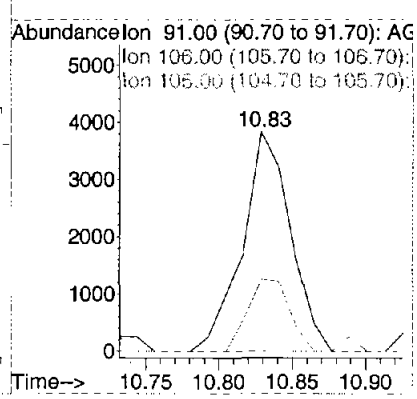


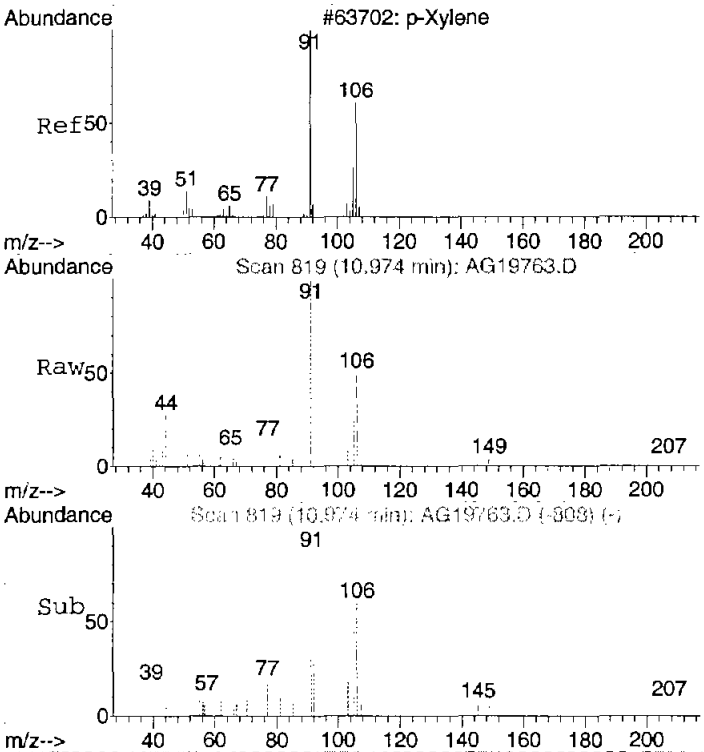


#58
Ethylbenzene
Concen: 0.05 ug/Kg
RT: 10.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 91 Resp: 8776

Ion	Ratio	Lower	Upper
91	100		
106	28.5	2.3	62.3
105	0.0	0.0	34.8

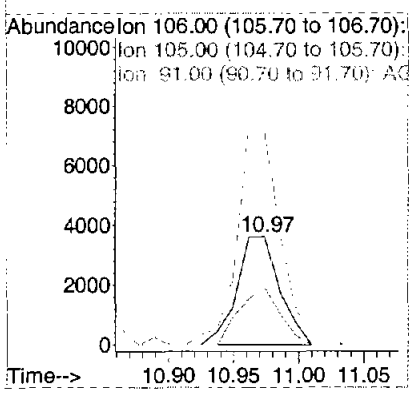


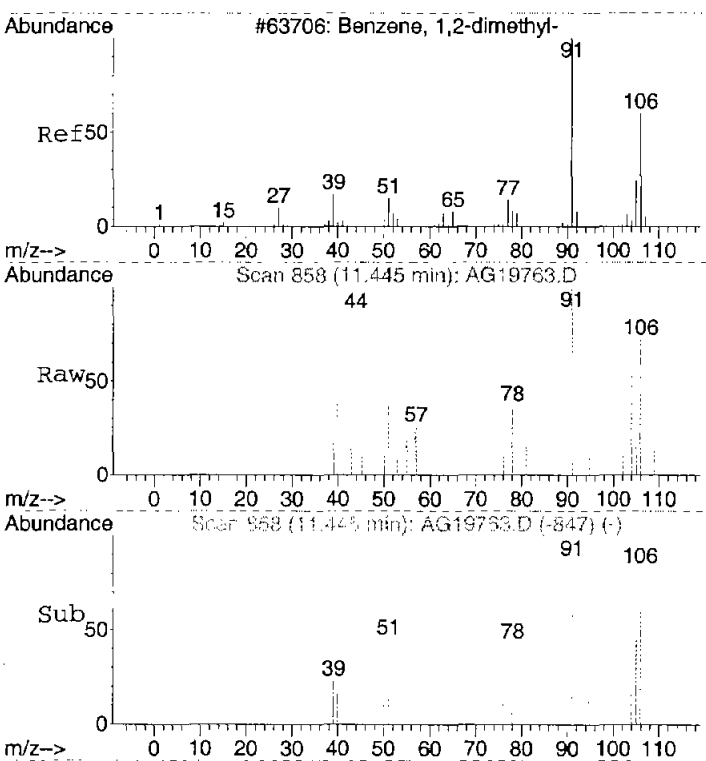


#59
m,p-Xylene
Concen: 0.12 ug/Kg
RT: 10.97 min Scan# 819
Delta R.T. 0.01 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion:106 Resp: 8233

Ion	Ratio	Lower	Upper
106	100		
105	50.9	15.7	75.7
91	204.0	165.6	225.6

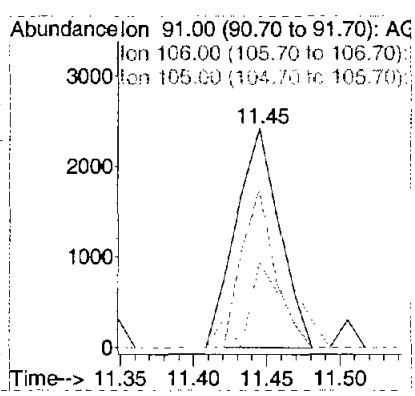


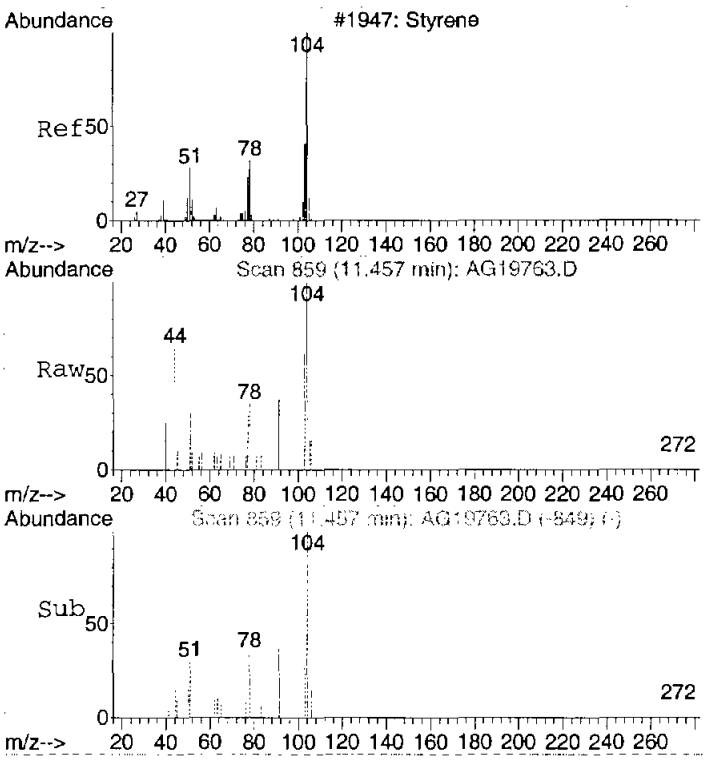


#60
o-Xylene
Concen: 0.04 ug/Kg
RT: 11.45 min Scan# 858
Delta R.T. 0.01 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 91 Resp: 5022

Ion	Ratio	Lower	Upper
91	100		
106	54.9	18.7	78.7
105	40.6	0.0	51.7

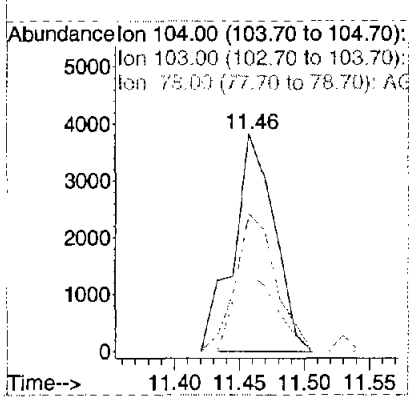


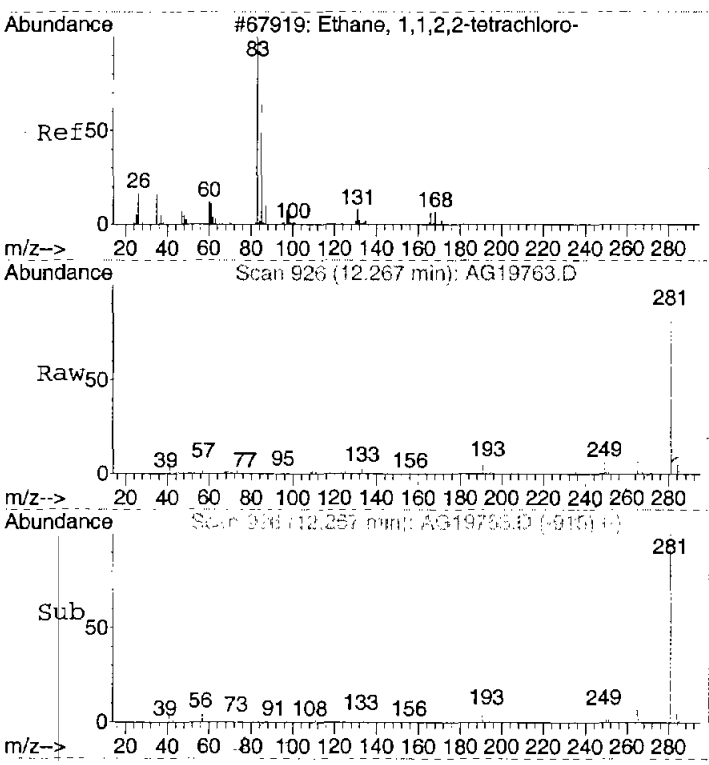


#61
Styrene
Concen: 0.08 ug/Kg
RT: 11.46 min Scan# 859
Delta R.T. 0.00 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion:104 Resp: 8367

Ion	Ratio	Lower	Upper
104	100		
103	62.9	16.9	76.9
78	37.5	10.4	70.4

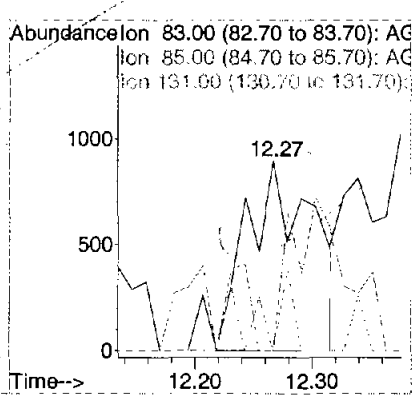


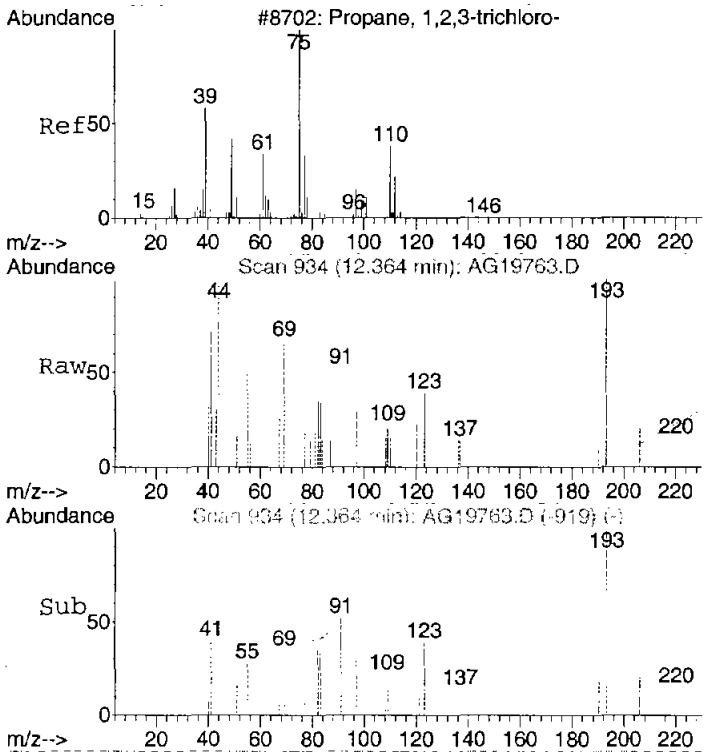


#66
1,1,2,2-Tetrachloroethane
Concen: 0.11 ug/Kg
RT: 12.27 min Scan# 926
Delta R.T. 0.01 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion: 83 Resp: 5544

Ion	Ratio	Lower	Upper
83	100		
85	34.2	9.9	69.9
131	8.4	0.0	37.0

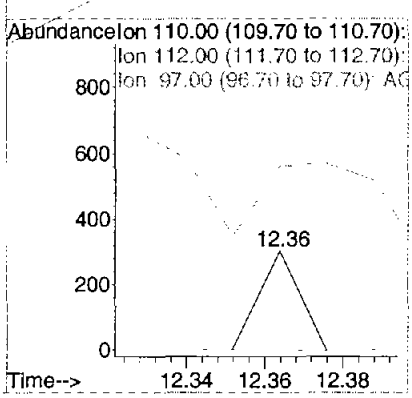


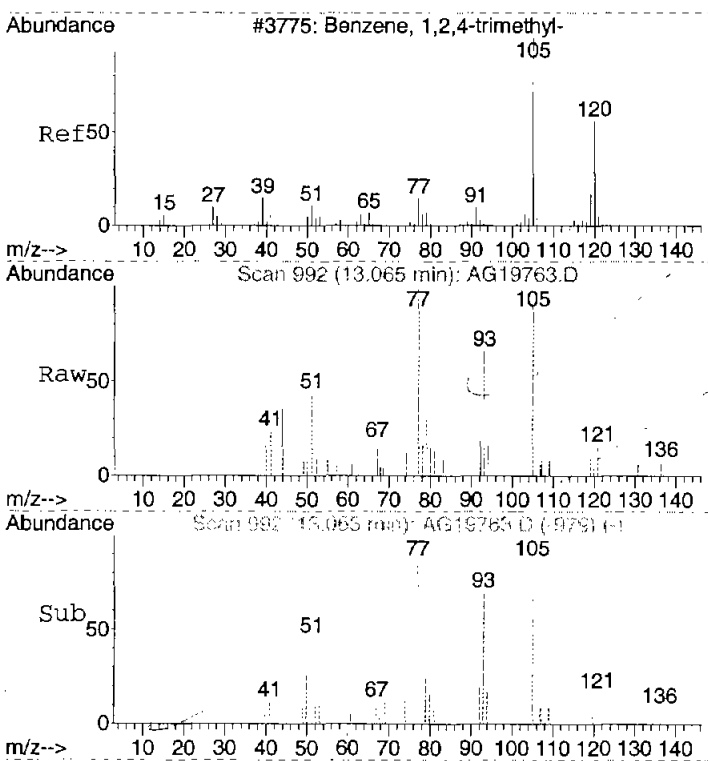


#67
1,2,3-Trichloropropane
Concen: Below Cal
RT: 12.36 min Scan# 934
Delta R.T. 0.06 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion:110 Resp: 221

Ion	Ratio	Lower	Upper
110	100		
112	0.0	30.1	90.1#
97	525.3	23.6	83.6#

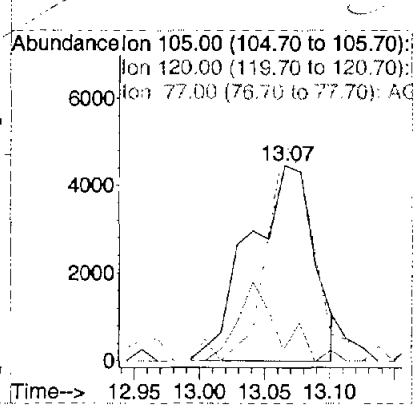




#73
1,2,4-Trimethylbenzene
Concen: 0.12 ug/Kg
RT: 13.07 min Scan# 992
Delta R.T. 0.04 min
Lab File: AG19763.D
Acq: 3 Dec 2004 5:39 pm

Tgt Ion:105 Resp: 15520

Ion	Ratio	Lower	Upper
105	100		
120	24.4	19.2	79.2
77	78.3	0.0	41.5#



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19701.D
Acq On : 2 Dec 2004 1:56 am
Sample : 125060-9 voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:20:31 2004

Vial: 32
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	792708	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1202104	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	238154	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	508914	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	344723	10.37	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	103.70%	
40) Fluorobenzene(S)	7.23	96	1346483	10.89	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	108.90%#	
42) Trifluorotoluene(S)	7.96	146	532790	9.03	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery	=	90.30%	
53) Toluene-d8(S)	9.02	98	1269872	10.69	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	=	106.90%	
63) Ethylbenzene-d10(S)	10.74	98	1616990	11.04	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	=	110.40%#	
72) Bromofluorobenzene(S)	12.09	174	427789	9.75	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	97.50%	

Target Compounds						Qvalue
3) Chloromethane	1.88	50	14444	0.28	ug/L	94
32) Cyclohexane	6.53	56	11341	~~0.20 ug~~/L	#	1
46) 1,2-Dichloropropane	7.95	63	17369	~~0.52 ug~~/L	#	51
48) 1,4-Dioxane	7.96	88	3843	~~13.57 ug~~/L	#	1
64) Chlorobenzene	10.74	112	15044	~~0.15 ug/L~~	#	1

44653

(#) = qualifier out of range (m) = manual integration (+) = signals summed

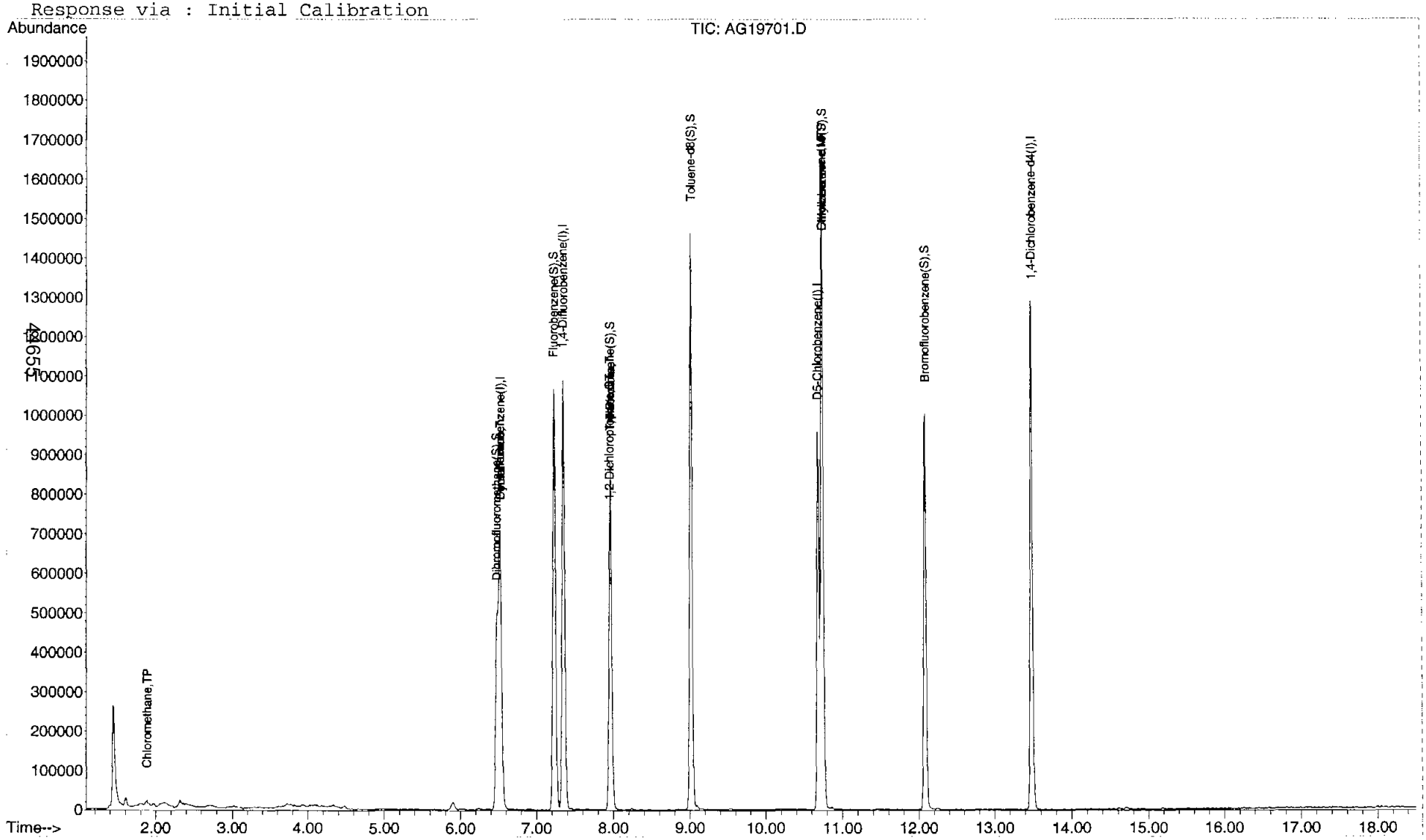
00306

Quantitation Report (Not Reviewed)

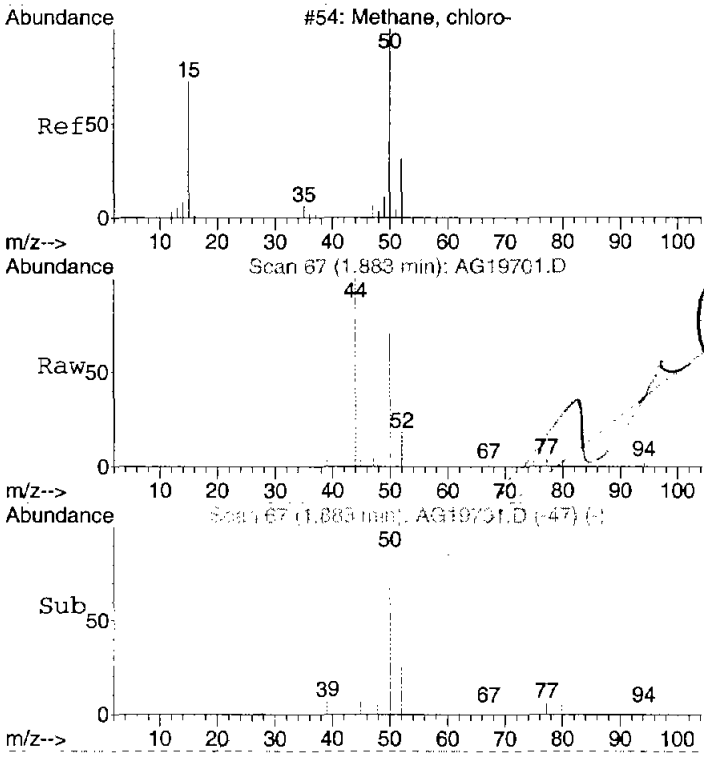
Data File : E:\DATA\12012004\AG19701.D
Acq On : 2 Dec 2004 1:56 am
Sample : 125060-9 voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:20 2004

Vial: 32
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



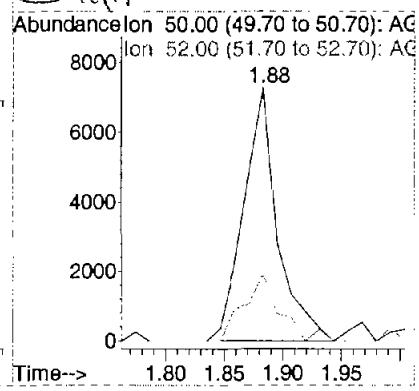
00307

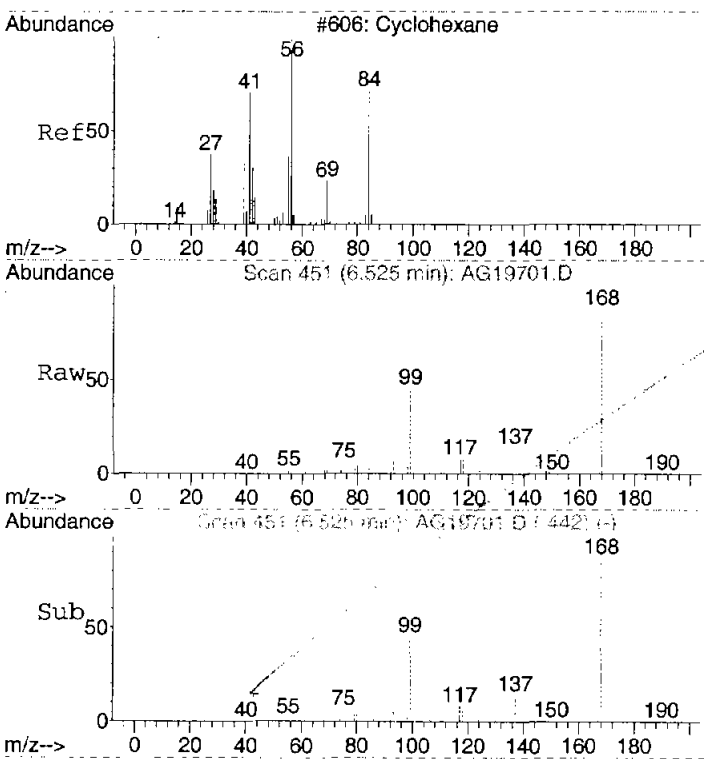


#3
Chloromethane
Concen: 0.28 ug/L
RT: 1.88 min Scan# 67
Delta R.T. 0.00 min
Lab File: AG19701.D
Acq: 2 Dec 2004 1:56 am

Tgt Ion: 50 Resp: 14444

Ion	Ratio	Lower	Upper
50	100		
52	28.4	1.8	61.8

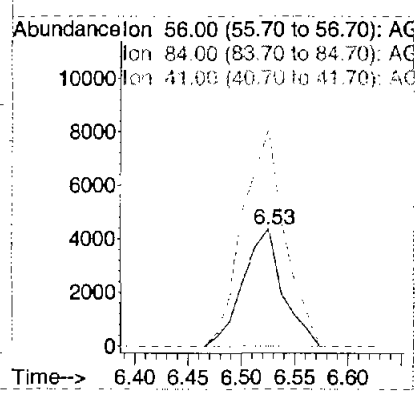


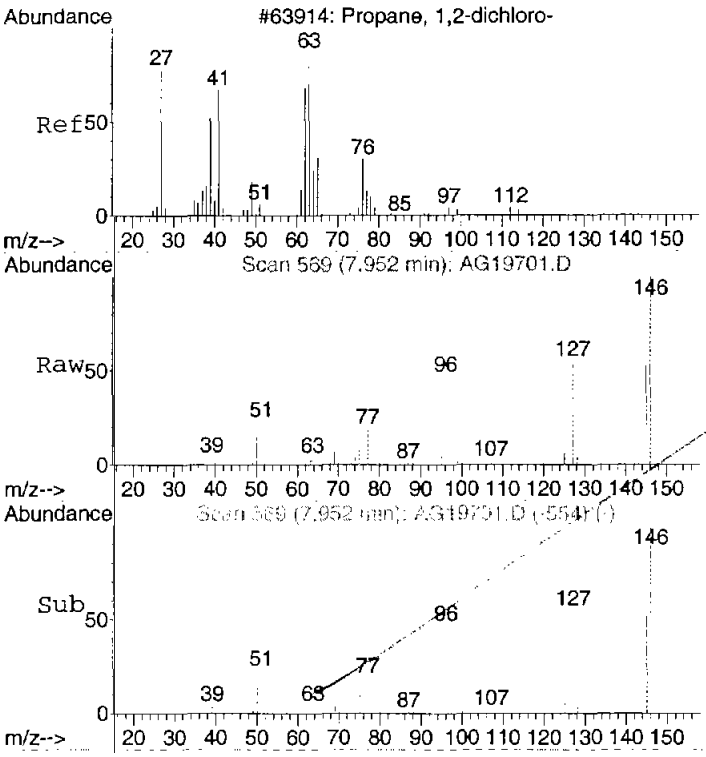


#32
Cyclohexane
Concen: 0.20 ug/L
RT: 6.53 min Scan# 451
Delta R.T. -0.01 min
Lab File: AG19701.D
Acq: 2 Dec 2004 1:56 am

Tgt Ion: 56 Resp: 11341

Ion	Ratio	Lower	Upper
56	100		
84	196.3	53.0	113.0#
41	0.0	17.6	77.6#

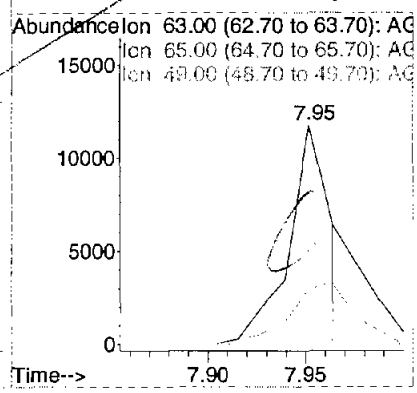


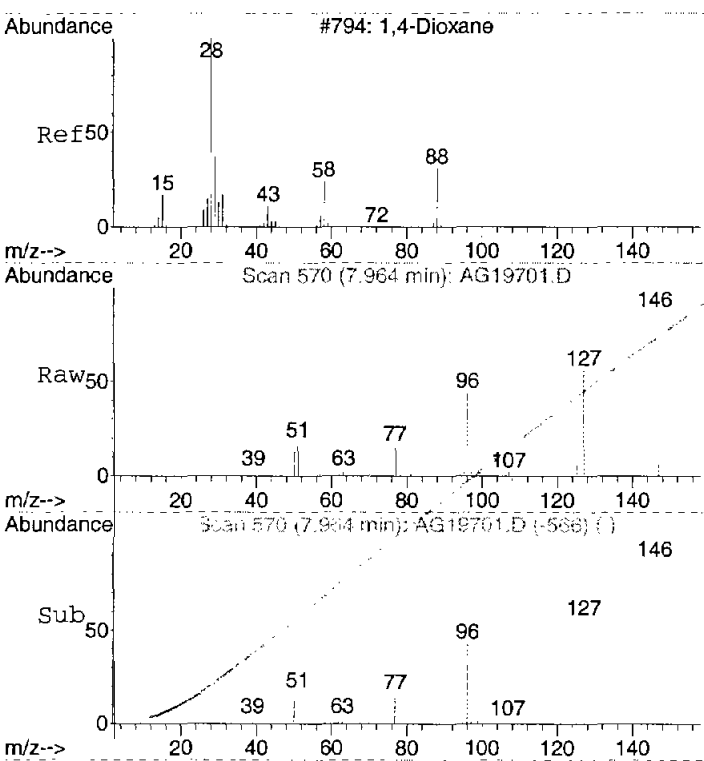


#46
1,2-Dichloropropane
Concen: 0.52 ug/L
RT: 7.95 min Scan# 569
Delta R.T. 0.06 min
Lab File: AG19701.D
Acq: 2 Dec 2004 1:56 am

Tgt Ion: 63 Resp: 17369

Ion	Ratio	Lower	Upper
63	100		
65	0.0	0.5	60.5#
49	0.0	0.0	44.0

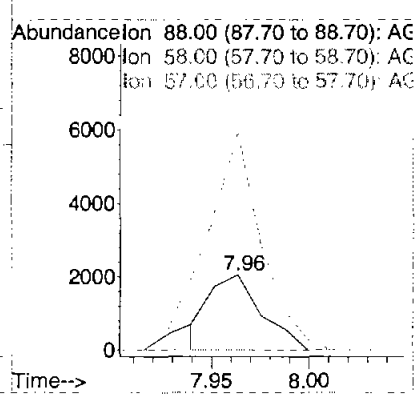


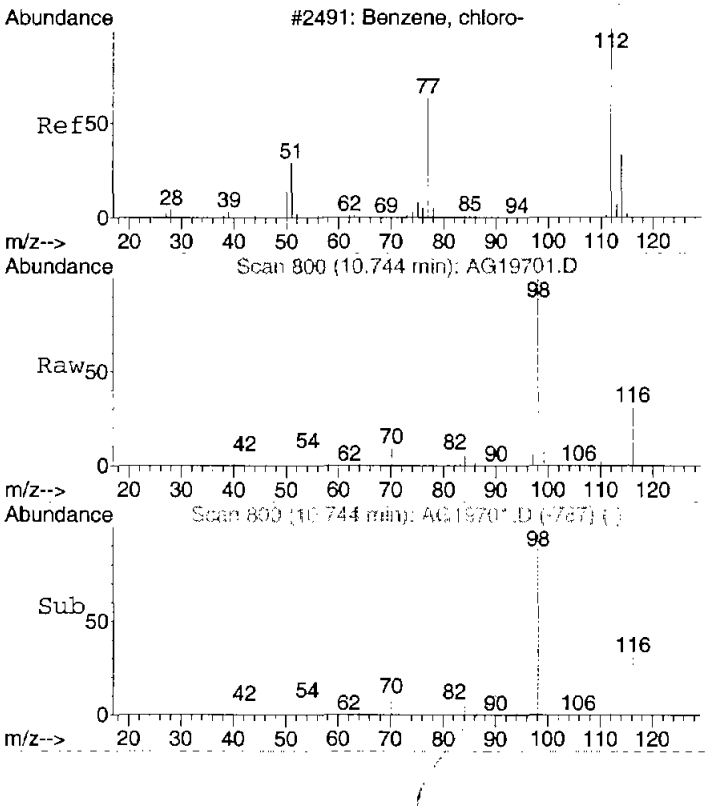


#48
1,4-Dioxane
Concen: 13.57 ug/L
RT: 7.96 min Scan# 570
Delta R.T. -0.07 min
Lab File: AG19701.D
Acq: 2 Dec 2004 1:56 am

Tgt Ion: 88 Resp: 3843

Ion	Ratio	Lower	Upper
88	100		
58	0.0	24.5	84.5#
57	260.5	0.0	51.2#

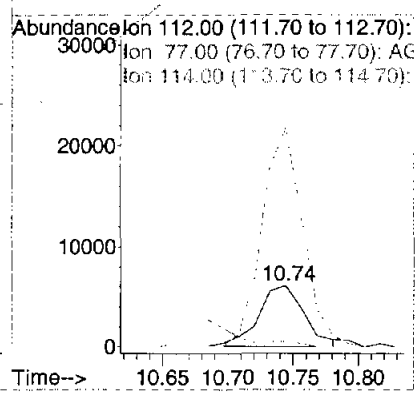




#64
Chlorobenzene
Concen: 0.15 ug/L
RT: 10.74 min Scan# 800
Delta R.T. 0.04 min
Lab File: AG19701.D
Acq: 2 Dec 2004 1:56 am

Tgt Ion:112 Resp: 15044

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.7	84.7#
114	317.2	4.7	64.7#



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19702.D Vial: 33
Acq On : 2 Dec 2004 2:22 am Operator: crf
Sample : 125060-10 voa1052 Inst : VOAInst#3
Misc : Liquid Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:20:40 2004 Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	784159	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1210300	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	232854	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	498289	10.00	ug/L	0.00

System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	343783	10.45	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 104.50%			
40) Fluorobenzene(S)	7.23	96	1347133	11.01	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 110.10%#			
42) Trifluorotoluene(S)	7.96	146	530807	8.93	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 89.30%			
53) Toluene-d8(S)	9.02	98	1282019	10.72	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 107.20%#			
63) Ethylbenzene-d10(S)	10.74	98	1636625	11.43	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 114.30%#			
72) Bromofluorobenzene(S)	12.09	174	423446	9.87	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 98.70%			

Target Compounds						Qvalue
3) Chloromethane	1.88	50	9113	0.13	ug/L	98
5) Bromomethane	2.45	94	905	~~0.16 ug~~/L	MS	91
15) Methylene Chloride	4.32	49	64800	1.57	ug/L	95
32) Cyclohexane	6.51	56	12146	~~0.22 ug~~/L	#	18
48) 1,4-Dioxane	7.96	88	4077	~~14.30 ug/L~~	#	1
54) Toluene	9.09	91	8869	0.06	ug/L	86
64) Chlorobenzene	10.73	112	15066	~~0.15 ug/L~~	#	1

12/10/2004

44663

(#) = qualifier out of range (m) = manual integration (+) = signals summed

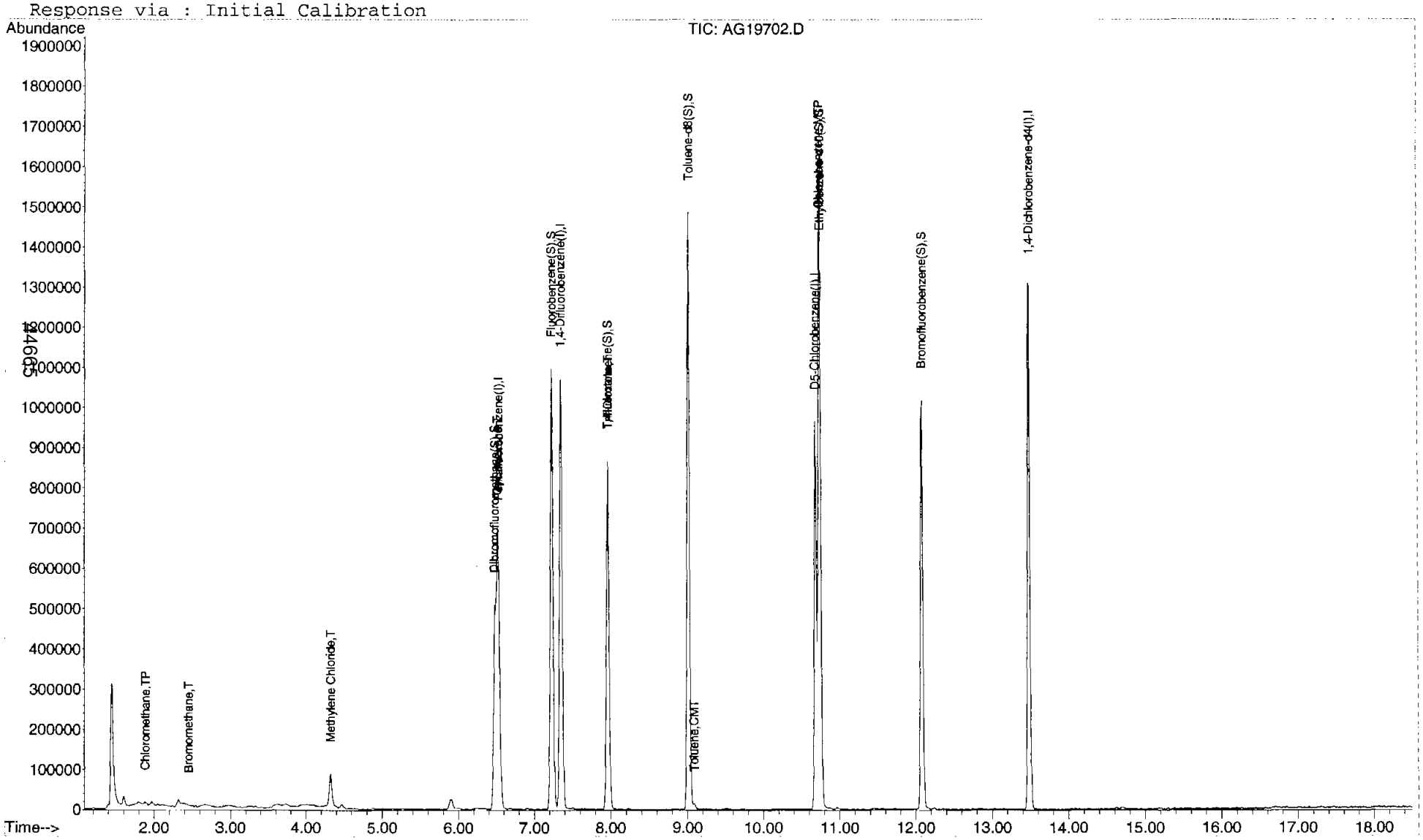
00311

Quantitation Report (Not Reviewed)

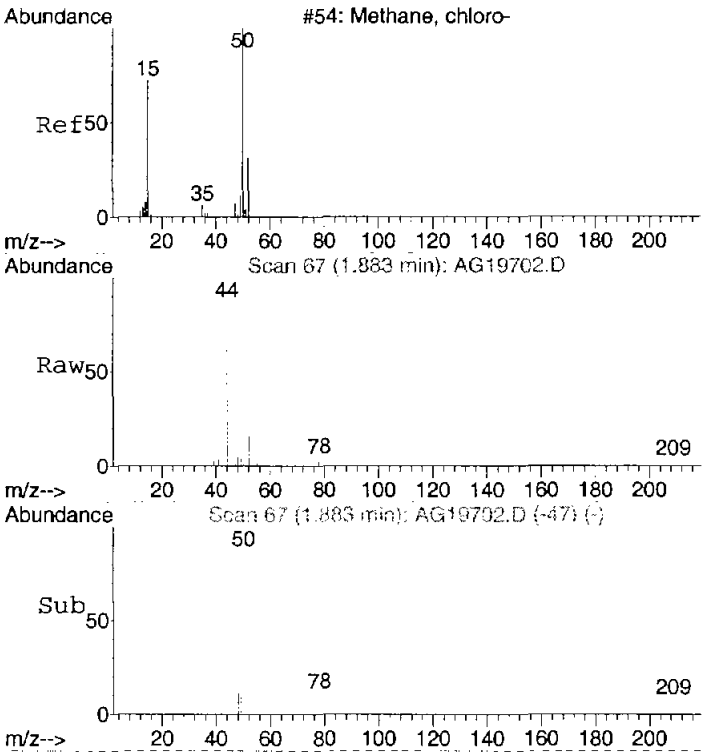
Data File : E:\DATA\12012004\AG19702.D
Acq On : 2 Dec 2004 2:22 am
Sample : 125060-10 voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:20 2004

Vial: 33
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



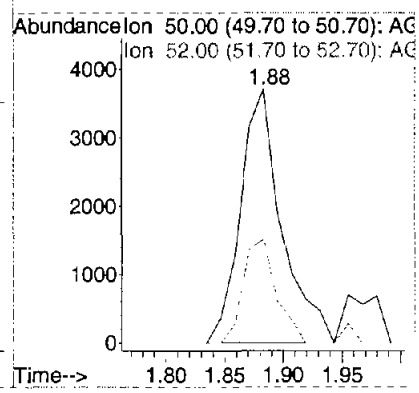
00312

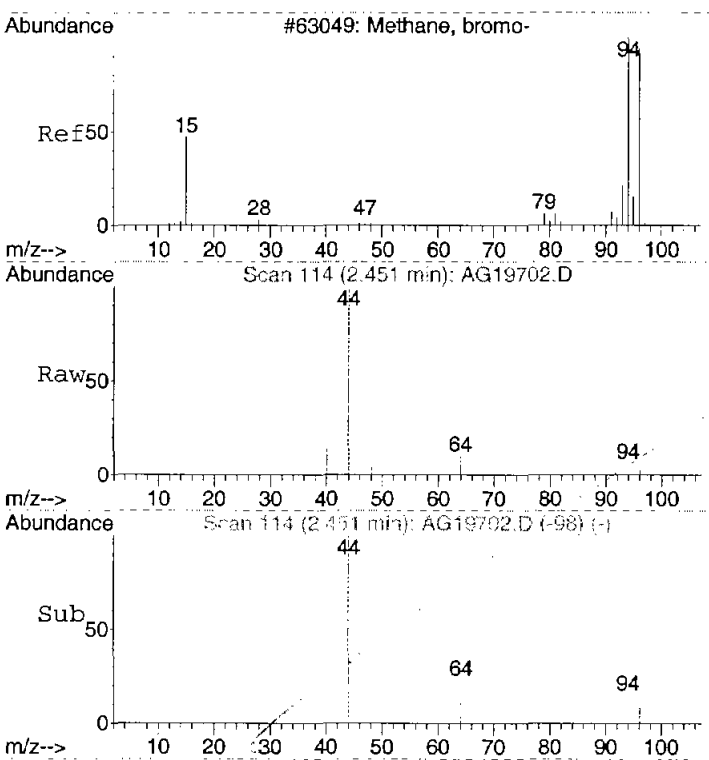


#3
Chloromethane
Concen: 0.13 ug/L
RT: 1.88 min Scan# 67
Delta R.T. 0.00 min
Lab File: AG19702.D
Acq: 2 Dec 2004 2:22 am

Tgt Ion: 50 Resp: 9113

Ion	Ratio	Lower	Upper
50	100		
52	32.7	1.8	61.8

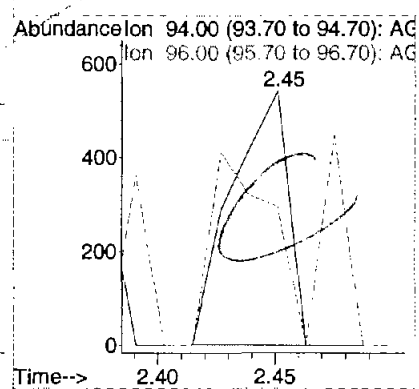


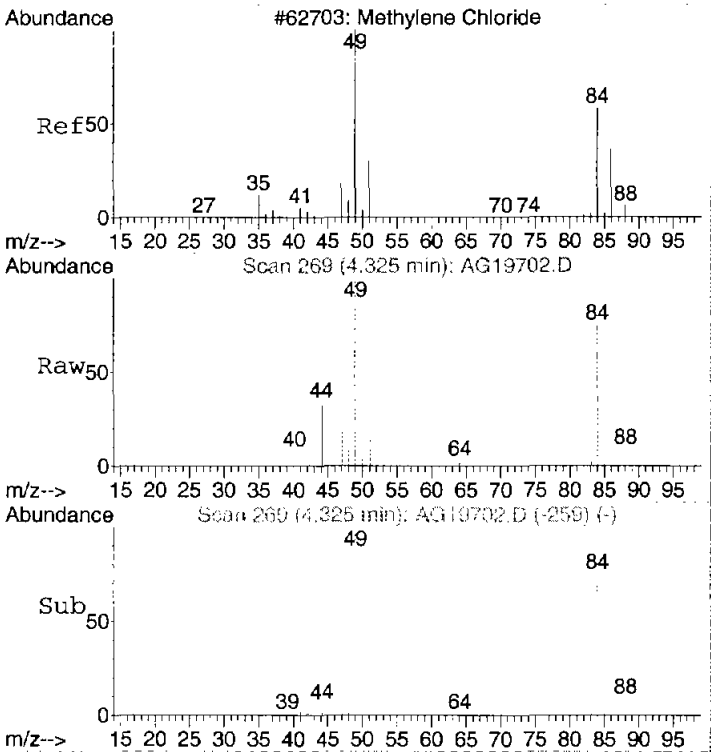


#5
Bromomethane
Concen: 0.16 ug/L
RT: 2.45 min Scan# 114
Delta R.T. 0.01 min
Lab File: AG19702.D
Acq: 2 Dec 2004 2:22 am

Tgt Ion: 94 Resp: 905

Ion	Ratio	Lower	Upper
94	100		
96	82.4	61.3	121.3

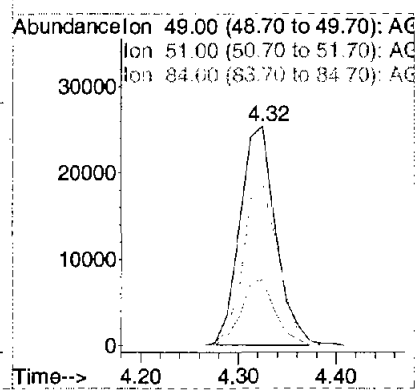


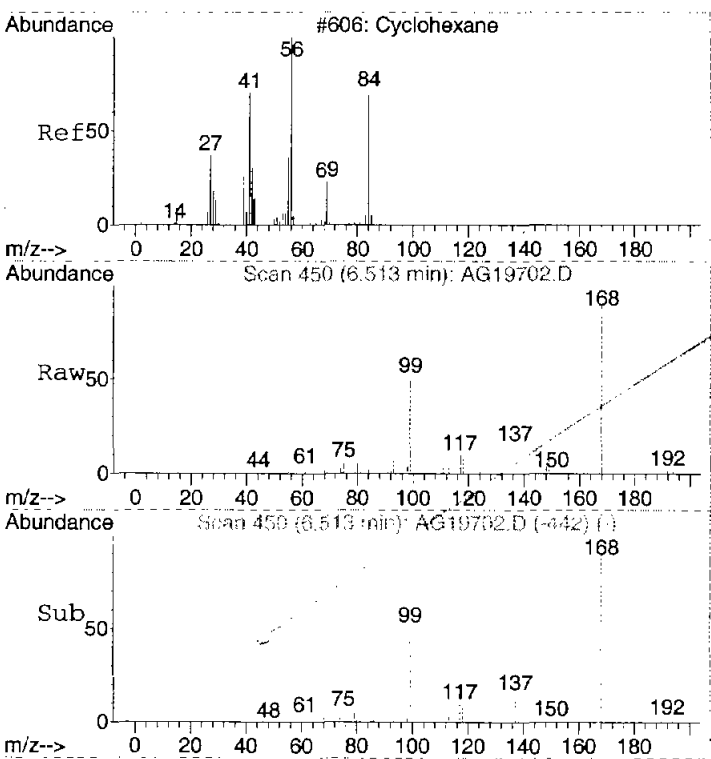


#15
Methylene Chloride
Concen: 1.57 ug/L
RT: 4.32 min Scan# 269
Delta R.T. -0.00 min
Lab File: AG19702.D
Acq: 2 Dec 2004 2:22 am

Tgt Ion: 49 Resp: 64800

Ion	Ratio	Lower	Upper
49	100		
51	28.8	0.0	57.5
84	73.4	48.3	108.3

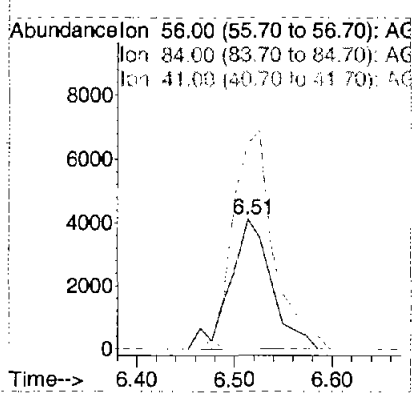


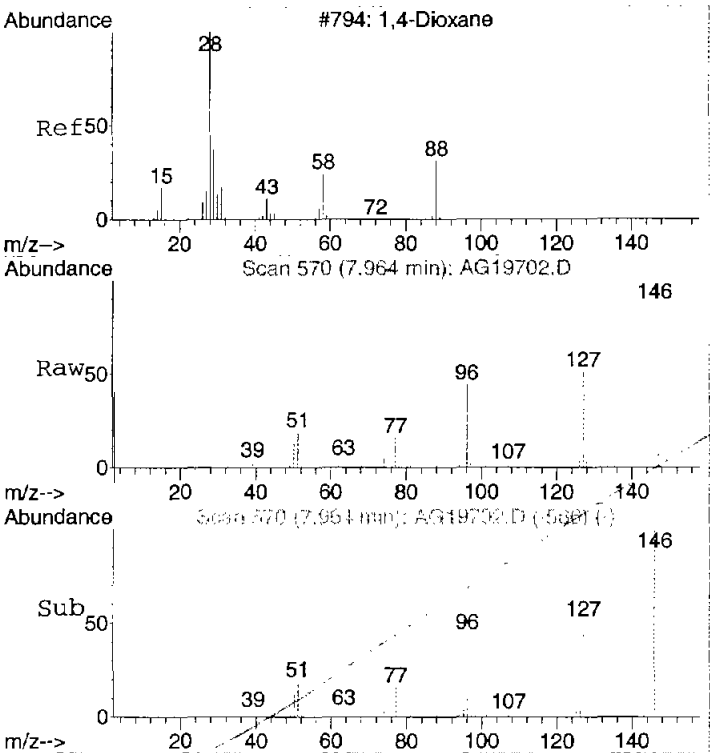


#32
Cyclohexane
Concen: 0.22 ug/L
RT: 6.51 min Scan# 450
Delta R.T. -0.02 min
Lab File: AG19702.D
Acq: 2 Dec 2004 2:22 am

Tgt Ion: 56 Resp: 12146

Ion	Ratio	Lower	Upper
56	100		
84	163.8	53.0	113.0#
41	1.6	17.6	77.6#

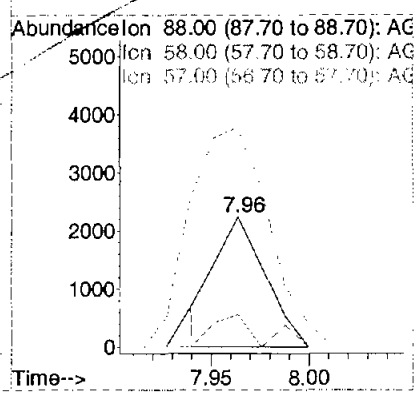


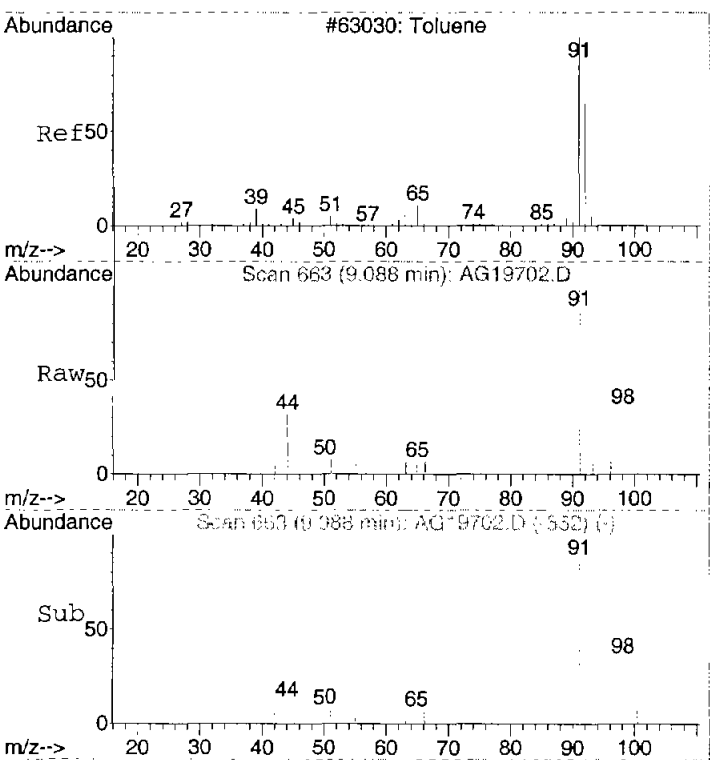


#48
1,4-Dioxane
Concen: 14.30 ug/L
RT: 7.96 min Scan# 570
Delta R.T. -0.07 min
Lab File: AG19702.D
Acq: 2 Dec 2004 2:22 am

Tgt Ion: 88 Resp: 4077

Ion	Ratio	Lower	Upper
88	100		
58	24.4	24.5	84.5#
57	206.1	0.0	51.2#

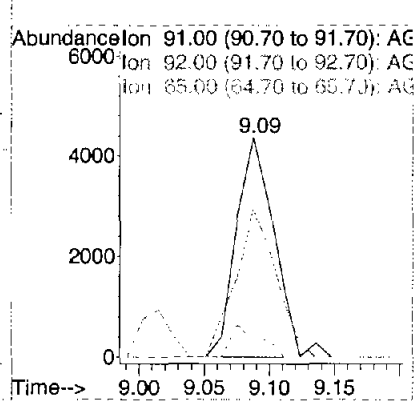


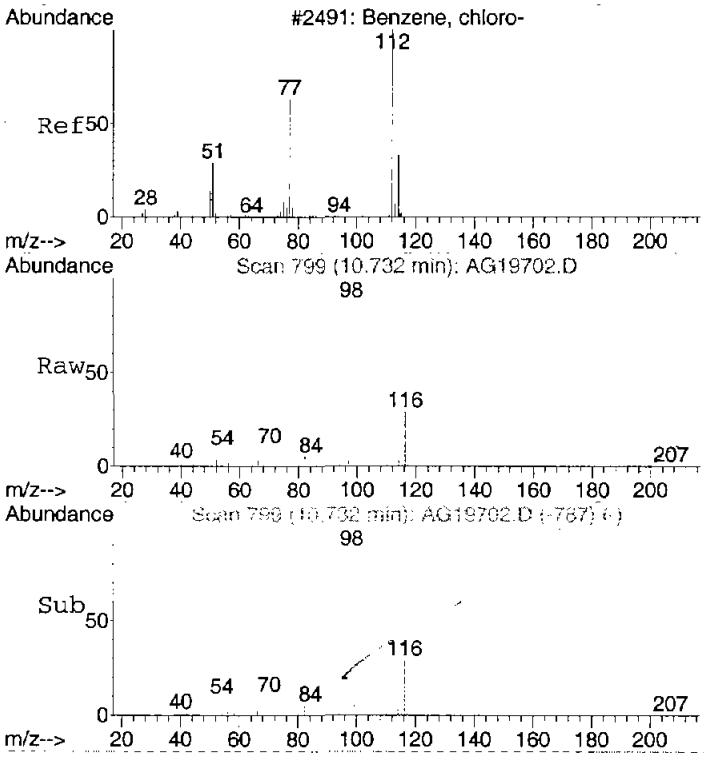


#54
Toluene
Concen: 0.06 ug/L
RT: 9.09 min Scan# 663
Delta R.T. 0.01 min
Lab File: AG19702.D
Acq: 2 Dec 2004 2:22 am

Tgt Ion: 91 Resp: 8869

Ion	Ratio	Lower	Upper
91	100		
92	72.5	30.2	90.2
65	10.8	0.0	41.1

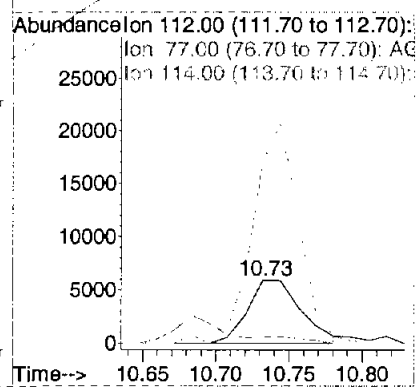




#64
Chlorobenzene
Concen: 0.15 ug/L
RT: 10.73 min Scan# 799
Delta R.T. 0.02 min
Lab File: AG19702.D
Acq: 2 Dec 2004 2:22 am

Tgt Ion:112 Resp: 15066

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.7	84.7#
114	297.8	4.7	64.7#



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19703.D Vial: 34
Acq On : 2 Dec 2004 2:48 am Operator: crf
Sample : 125060-11 voa1052 Inst : VOAInst#3
Misc : Liquid Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:20:48 2004 Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	777534	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1187965	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	226487	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	495903	10.00	ug/L	0.00

System Monitoring Compounds

33) Dibromofluoromethane(S)	6.48	111	344894	10.57	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	105.70%	
40) Fluorobenzene(S)	7.23	96	1333161	10.99	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	109.90%#	
42) Trifluorotoluene(S)	7.96	146	511551	8.77	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery	=	87.70%#	
53) Toluene-d8(S)	9.02	98	1250449	10.65	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	=	106.50%	
63) Ethylbenzene-d10(S)	10.74	98	1595533	11.45	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	=	114.50%#	
72) Bromofluorobenzene(S)	12.09	174	420768	10.09	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	100.90%	

Target Compounds						Qvalue
3) Chloromethane	1.87	50	10835	0.18	ug/L	96
15) Methylene Chloride	4.33	49	72087	1.76	ug/L	98
32) Cyclohexane	6.51	56	11752	~~0.21 ug/L #~~		17
48) 1,4-Dioxane	7.98	88	4113	~~14.69 ug/L #~~		1
64) Chlorobenzene	10.74	112	14523	~~0.15 ug/L #~~		1

Qualifiers

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AG19703.D 11232004_AQUEOUS_8260.M Fri Dec 03 08:20:54 2004

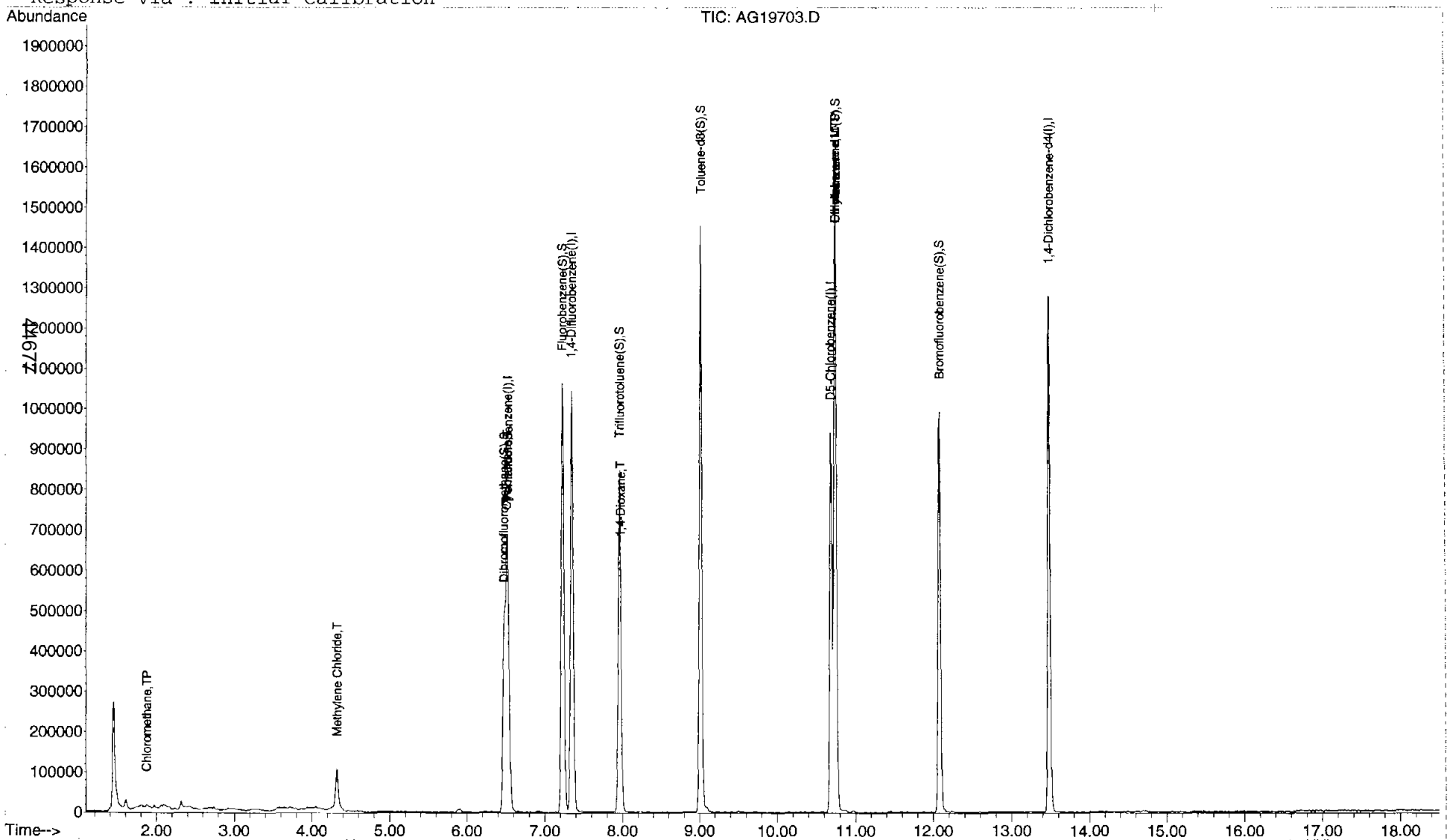
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19703.D
Acq On : 2 Dec 2004 2:48 am
Sample : 125060-11 voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:20 2004

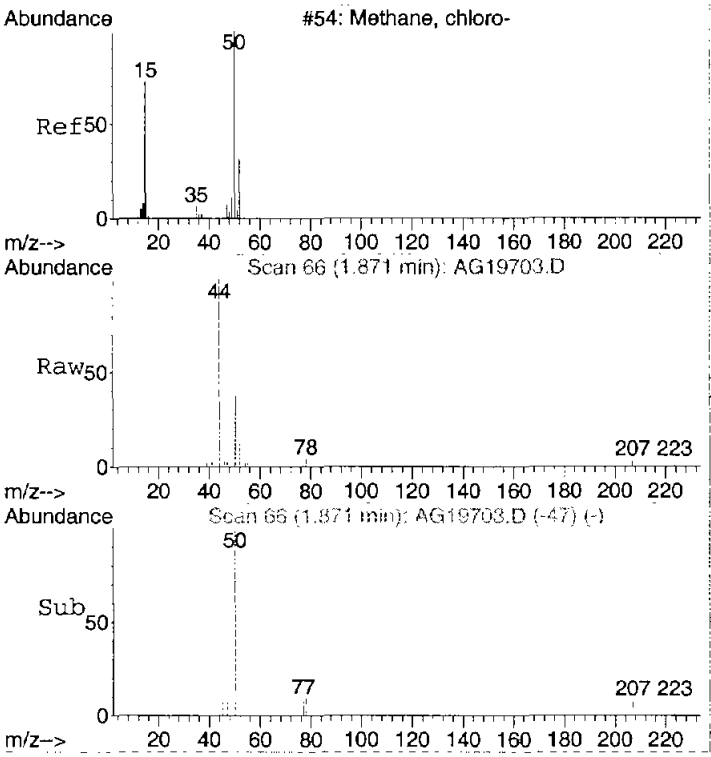
Vial: 34
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



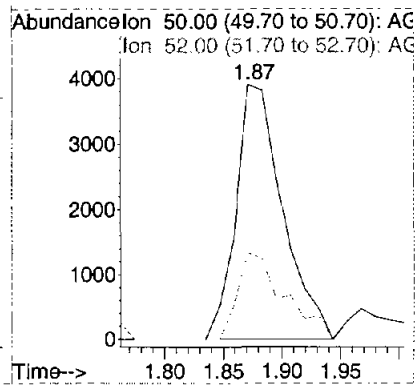
00318

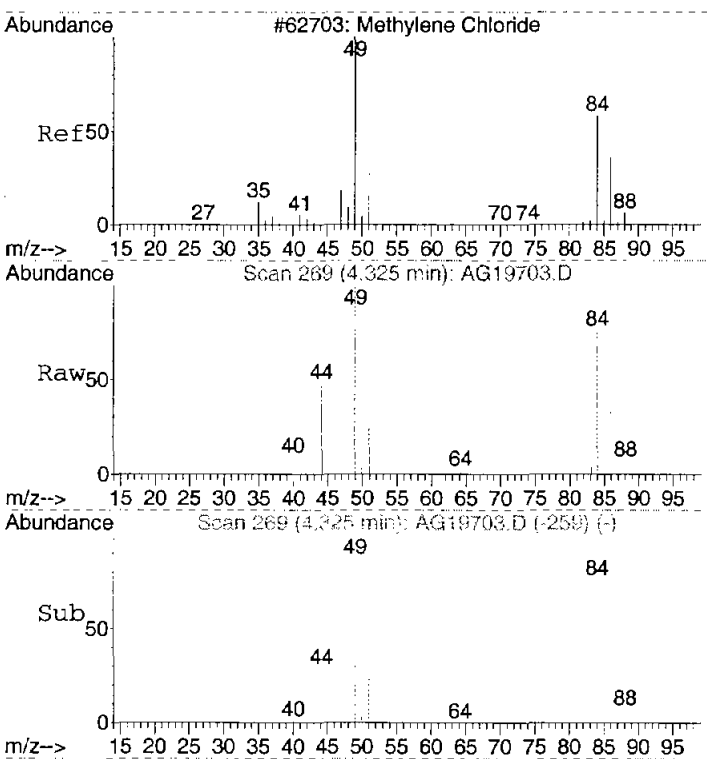


#3
Chloromethane
Concen: 0.18 ug/L
RT: 1.87 min Scan# 66
Delta R.T. -0.01 min
Lab File: AG19703.D
Acq: 2 Dec 2004 2:48 am

Tgt Ion: 50 Resp: 10835

Ion	Ratio	Lower	Upper
50	100		
52	34.0	1.8	61.8

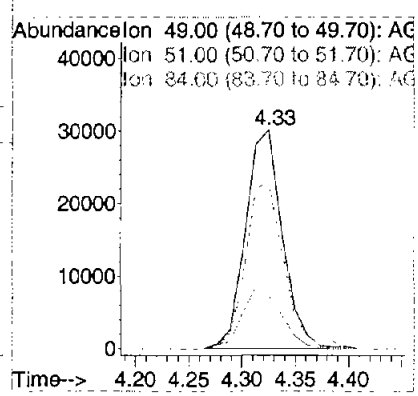


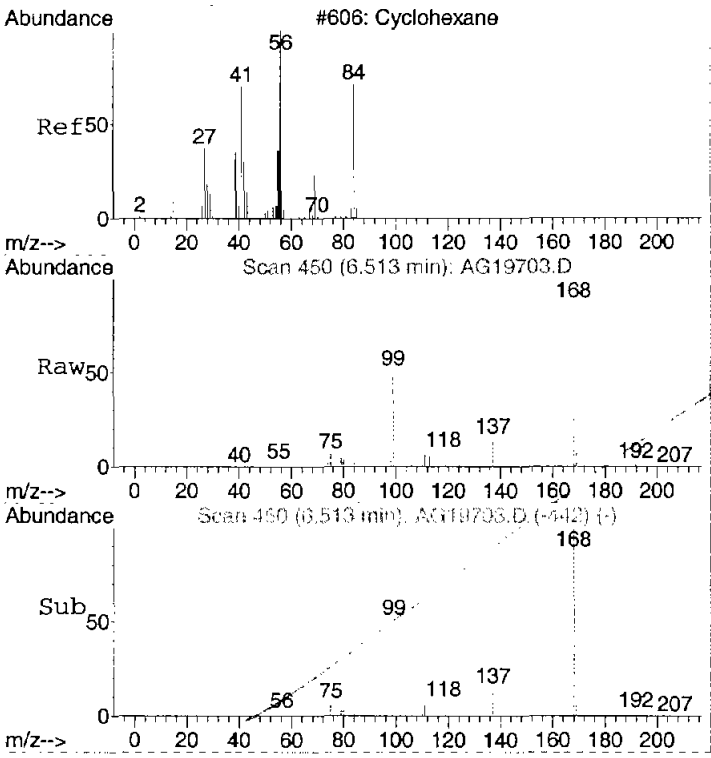


#15
Methylene Chloride
Concen: 1.76 ug/L
RT: 4.33 min Scan# 269
Delta R.T. 0.00 min
Lab File: AG19703.D
Acq: 2 Dec 2004 2:48 am

Tgt Ion: 49 Resp: 72087

Ion	Ratio	Lower	Upper
49	100		
51	29.9	0.0	57.5
84	78.9	48.3	108.3

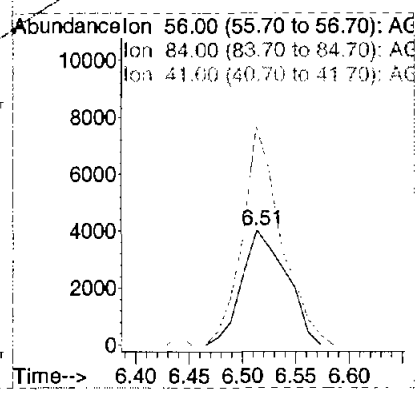


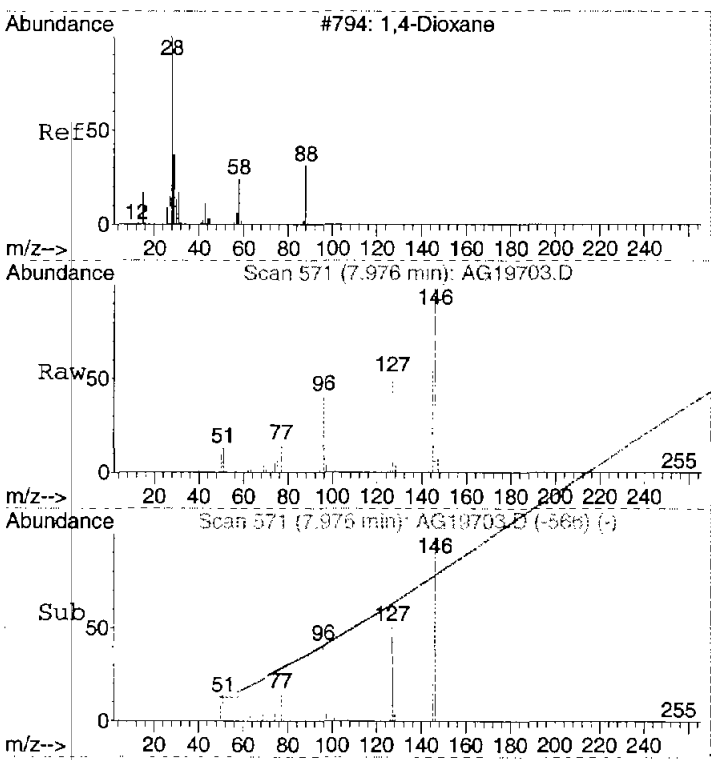


#32
Cyclohexane
Concen: 0.21 ug/L
RT: 6.51 min Scan# 450
Delta R.T. -0.02 min
Lab File: AG19703.D
Acq: 2 Dec 2004 2:48 am

Tgt Ion: 56 Resp: 11752

Ion	Ratio	Lower	Upper
56	100		
84	164.6	53.0	113.0#
41	0.0	17.6	77.6#

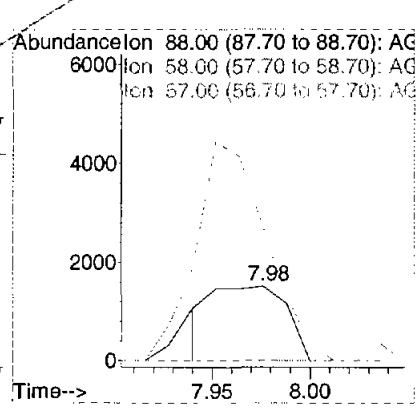


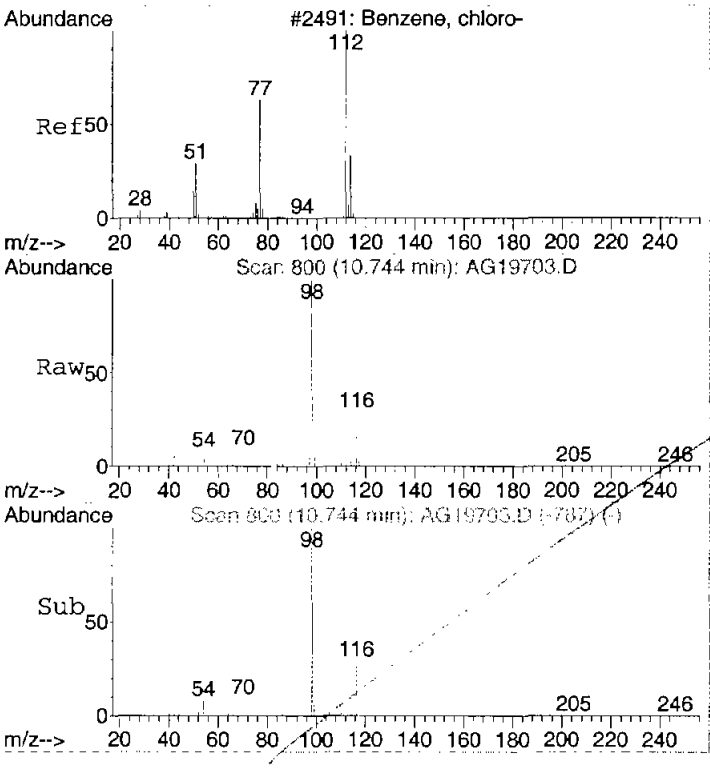


#48
1,4-Dioxane
Concen: 14.69 ug/L
RT: 7.98 min Scan# 571
Delta R.T. -0.06 min
Lab File: AG19703.D
Acq: 2 Dec 2004 2:48 am

Tgt Ion: 88 Resp: 4113

Ion	Ratio	Lower	Upper
88	100		
58	0.0	24.5	84.5#
57	228.7	0.0	51.2#

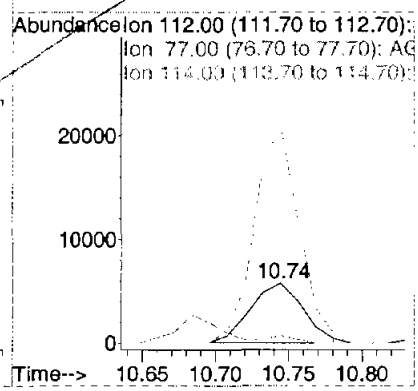




#64
Chlorobenzene
Concen: 0.15 ug/L
RT: 10.74 min Scan# 800
Delta R.T. 0.04 min
Lab File: AG19703.D
Acq: 2 Dec 2004 2:48 am

Tgt Ion:112 Resp: 14523

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.7	84.7#
114	303.9	4.7	64.7#



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19704.D Vial: 35
Acq On : 2 Dec 2004 3:14 am Operator: crf
Sample : 125060-12 voa1052 Inst : VOAInst#3
Misc : Liquid Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:20:57 2004 Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	789178	10.00 ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1211458	10.00 ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	236335	10.00 ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	507123	10.00 ug/L	0.00
System Monitoring Compounds					
33) Dibromofluoromethane(S)	6.48	111	345639	10.44 ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 104.40%		
40) Fluorobenzene(S)	7.23	96	1338167	10.87 ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 108.70%#		
42) Trifluorotoluene(S)	7.96	146	616323	10.36 ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 103.60%		
53) Toluene-d8(S)	9.02	98	1261766	10.54 ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 105.40%		
63) Ethylbenzene-d10(S)	10.74	98	1607525	11.06 ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 110.60%#		
72) Bromofluorobenzene(S)	12.09	174	420222	9.65 ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 96.50%		

Target Compounds					Qvalue
3) Chloromethane	1.88	50	11469	0.20 ug/L	91
5) Bromomethane	2.45	94	1050	~~0.18 ug/L #~~ ND	57
24) 2,2-Dichloropropane	5.90	77	15300	~~0.39 ug/L #~~	47
32) Cyclohexane	6.51	56	11147	~~0.20 ug/L #~~	1
48) 1,4-Dioxane	7.96	88	5296	~~18.55 ug/L #~~	1
64) Chlorobenzene	10.74	112	16164	~~0.16 ug/L #~~	1

(1) 12/13/2004

44685

(#) = qualifier out of range (m) = manual integration (+) = signals summed

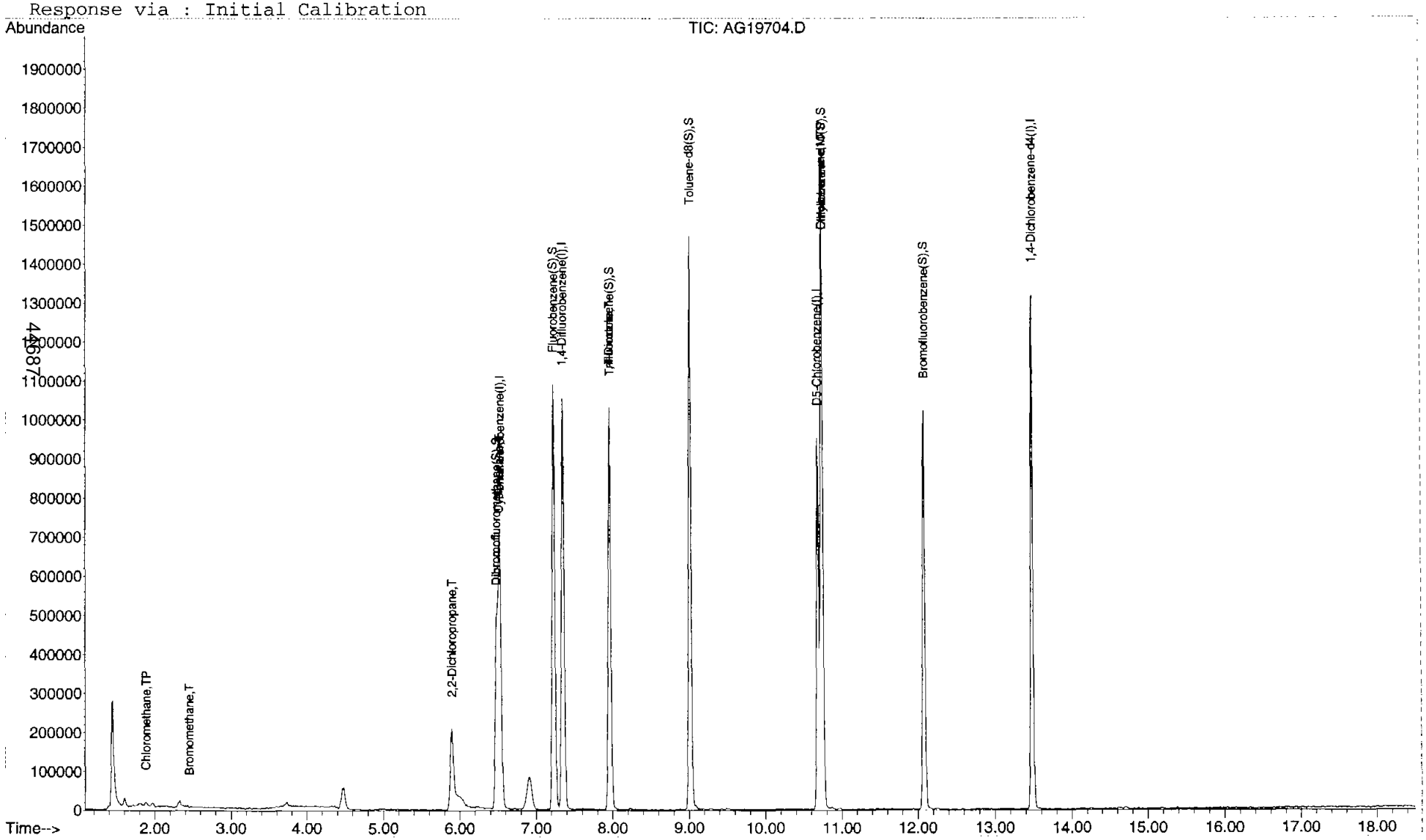
00322

Quantitation Report (Not Reviewed)

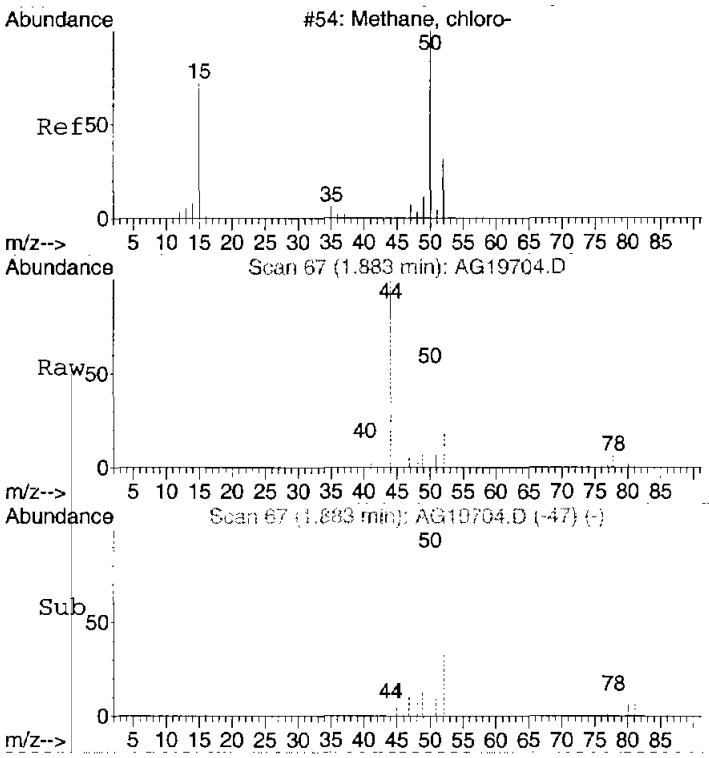
Data File : E:\DATA\12012004\AG19704.D
Acq On : 2 Dec 2004 3:14 am
Sample : 125060-12 voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:21 2004

Vial: 35
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



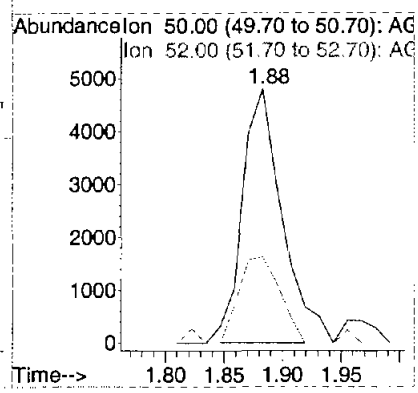
00323

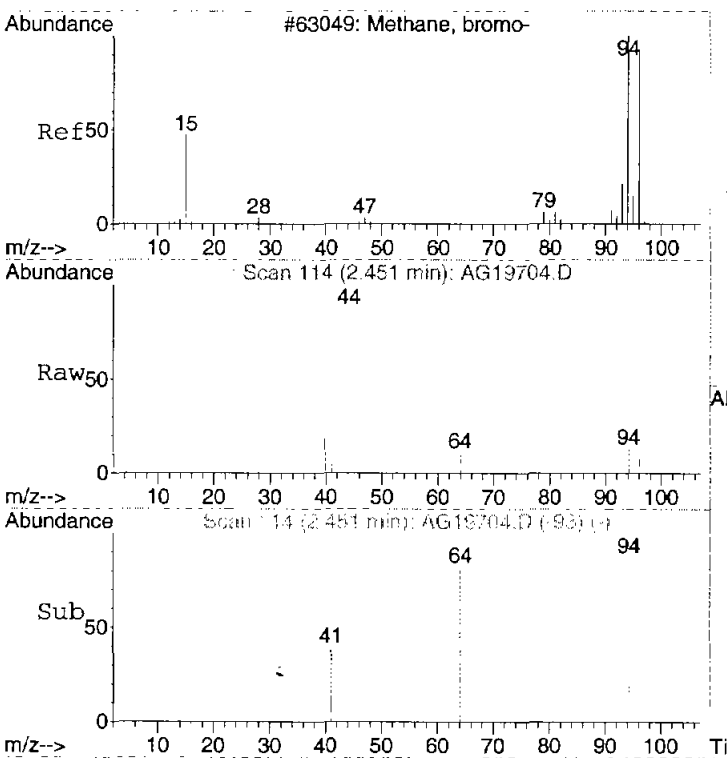


#3
Chloromethane
Concen: 0.20 ug/L
RT: 1.88 min Scan# 67
Delta R.T. 0.00 min
Lab File: AG19704.D
Acq: 2 Dec 2004 3:14 am

Tgt Ion: 50 Resp: 11469

Ion	Ratio	Lower	Upper
50	100		
52	36.8	1.8	61.8

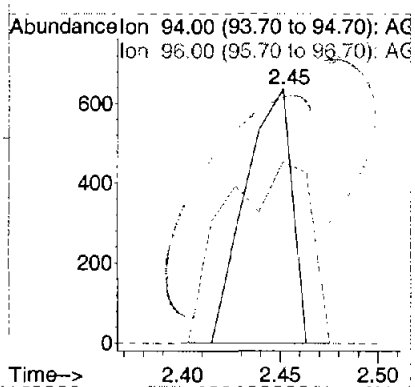


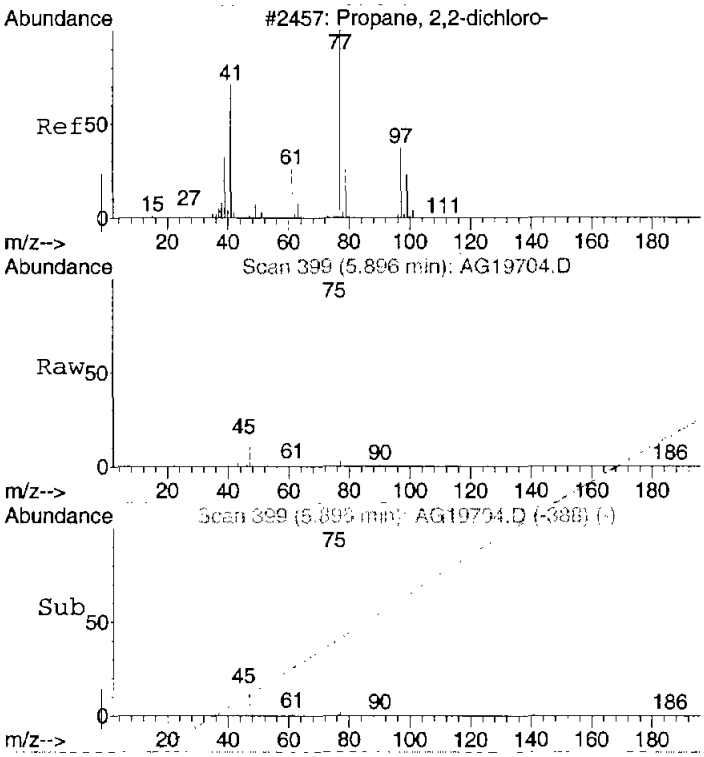


#5
Bromomethane
Concen: 0.18 ug/L
RT: 2.45 min Scan# 114
Delta R.T. 0.01 min
Lab File: AG19704.D
Acq: 2 Dec 2004 3:14 am

Tgt Ion: 94 Resp: 1050

Ion	Ratio	Lower	Upper
94	100		
96	131.7	61.3	121.3#

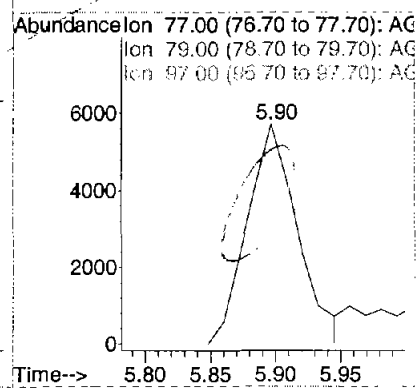


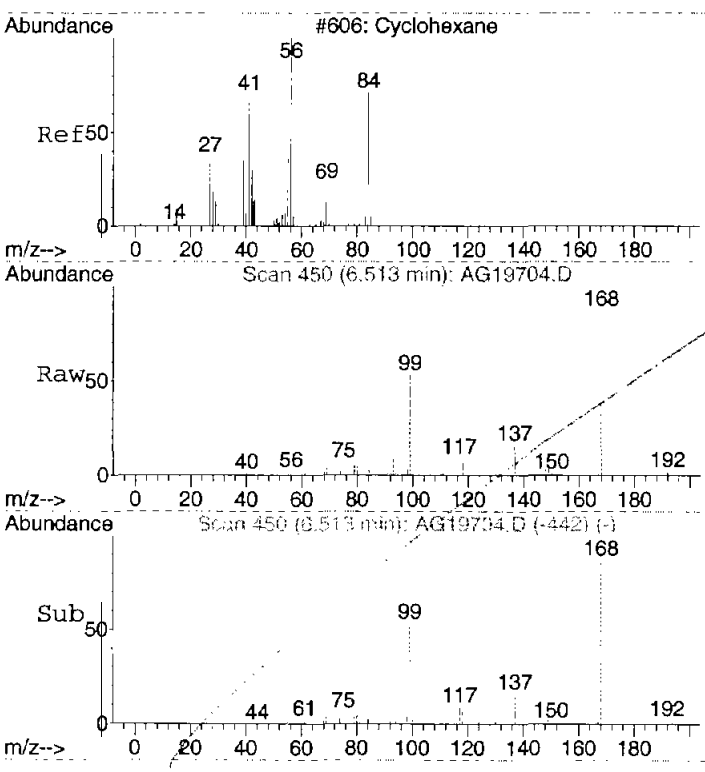


#24
2,2-Dichloropropane
Concen: 0.39 ug/L
RT: 5.90 min Scan# 399
Delta R.T. 0.01 min
Lab File: AG19704.D
Acq: 2 Dec 2004 3:14 am

Tgt Ion: 77 Resp: 15300

Ion	Ratio	Lower	Upper
77	100		
79	0.0	1.7	61.7#
97	0.0	0.0	52.3

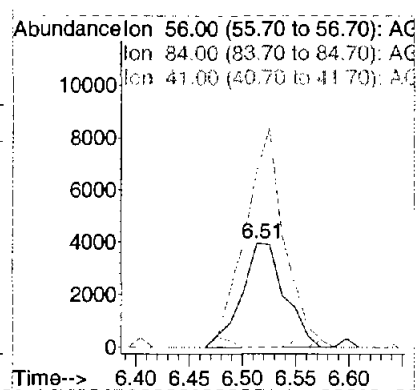


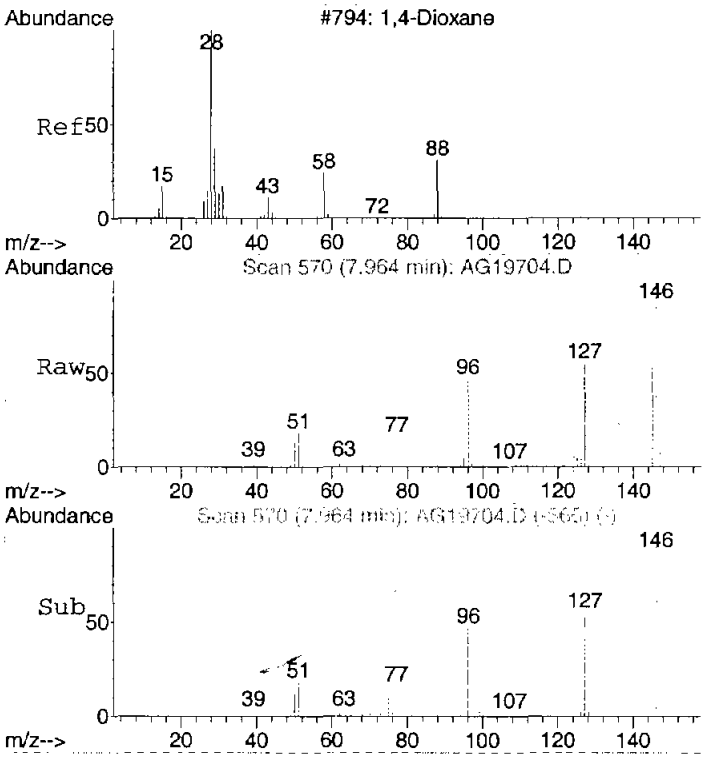


#32
Cyclohexane
Concen: 0.20 ug/L
RT: 6.51 min Scan# 450
Delta R.T. -0.02 min
Lab File: AG19704.D
Acq: 2 Dec 2004 3:14 am

Tgt Ion: 56 Resp: 11147

Ion	Ratio	Lower	Upper
56	100		
84	191.4	53.0	113.0#
41	4.2	17.6	77.6#

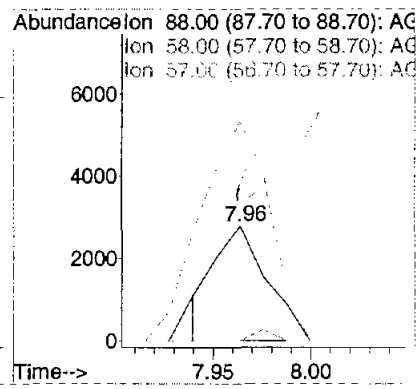


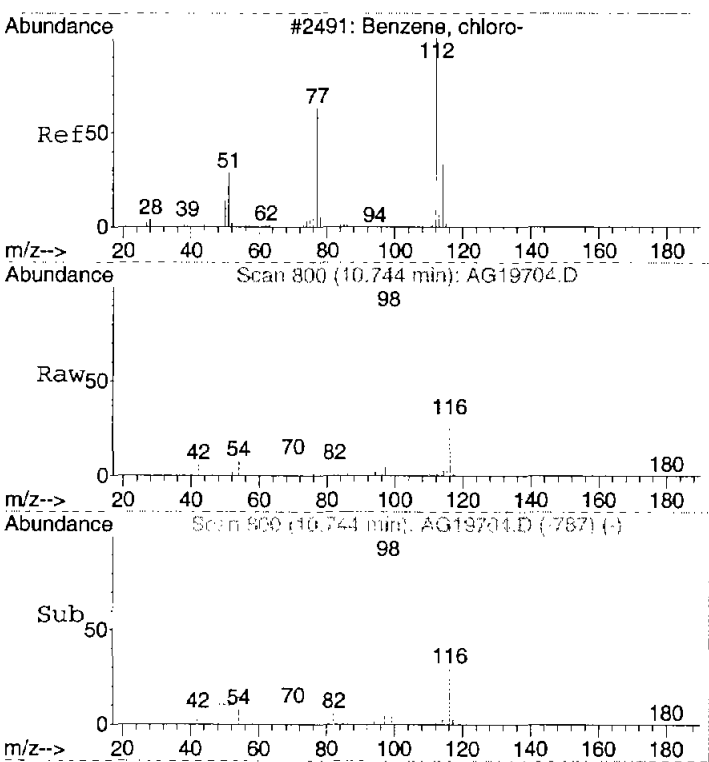


#48
1,4-Dioxane
Concen: 18.55 ug/L
RT: 7.96 min Scan# 570
Delta R.T. -0.07 min
Lab File: AG19704.D
Acq: 2 Dec 2004 3:14 am

Tgt Ion: 88 Resp: 5296

Ion	Ratio	Lower	Upper
88	100		
58	3.8	24.5	84.5#
57	201.3	0.0	51.2#

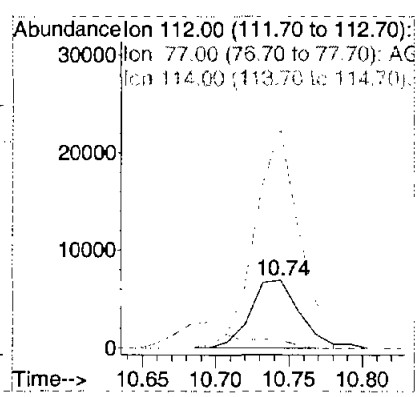




#64
Chlorobenzene
Concen: 0.16 ug/L
RT: 10.74 min Scan# 800
Delta R.T. 0.04 min
Lab File: AG19704.D
Acq: 2 Dec 2004 3:14 am

Tgt Ion:112 Resp: 16164

Ion	Ratio	Lower	Upper
112	100		
77	51.3	24.7	84.7
114	294.5	4.7	64.7#



INITIAL CALIBRATION

Calibration Status Report VOAInst#3

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.2	-1	10	E:\DATA\11232004\AG19600.D
2	0.4	0	10	E:\DATA\11232004\AG19601.D
3	1.0	1	10	E:\DATA\11232004\AG19602.D
4	2.0	2	10	E:\DATA\11232004\AG19603.D
5	5.0	5	10	E:\DATA\11232004\AG19604.D
6	10	10	10	E:\DATA\11232004\AG19605.D
7	20	20	10	E:\DATA\11232004\AG19606.D
8	40	40	10	E:\DATA\11232004\AG19607.D
9	100	100	10	E:\DATA\11232004\AG19608.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.2	Nov 24 09:34 2004	Nov 24 09:34 2004	23 Nov 2004 11:54 am
2	0.4	Nov 24 09:34 2004	Nov 24 09:34 2004	23 Nov 2004 12:20 pm
3	1.0	Nov 24 09:34 2004	Nov 24 09:34 2004	23 Nov 2004 12:46 pm
4	2.0	Nov 24 09:34 2004	Nov 24 09:34 2004	23 Nov 2004 1:12 pm
5	5.0	Nov 24 09:34 2004	Nov 24 09:34 2004	23 Nov 2004 1:38 pm
6	10	Nov 24 09:35 2004	Nov 24 09:35 2004	23 Nov 2004 2:04 pm
7	20	Nov 24 09:35 2004	Nov 24 09:35 2004	23 Nov 2004 2:30 pm
8	40	Nov 24 09:35 2004	Nov 24 09:35 2004	23 Nov 2004 2:56 pm
9	100	Nov 24 09:35 2004	Nov 24 09:35 2004	23 Nov 2004 3:22 pm

11232004_AQUEOUS_8260.M Wed Dec 01 15:54:15 2004

Sequence Log

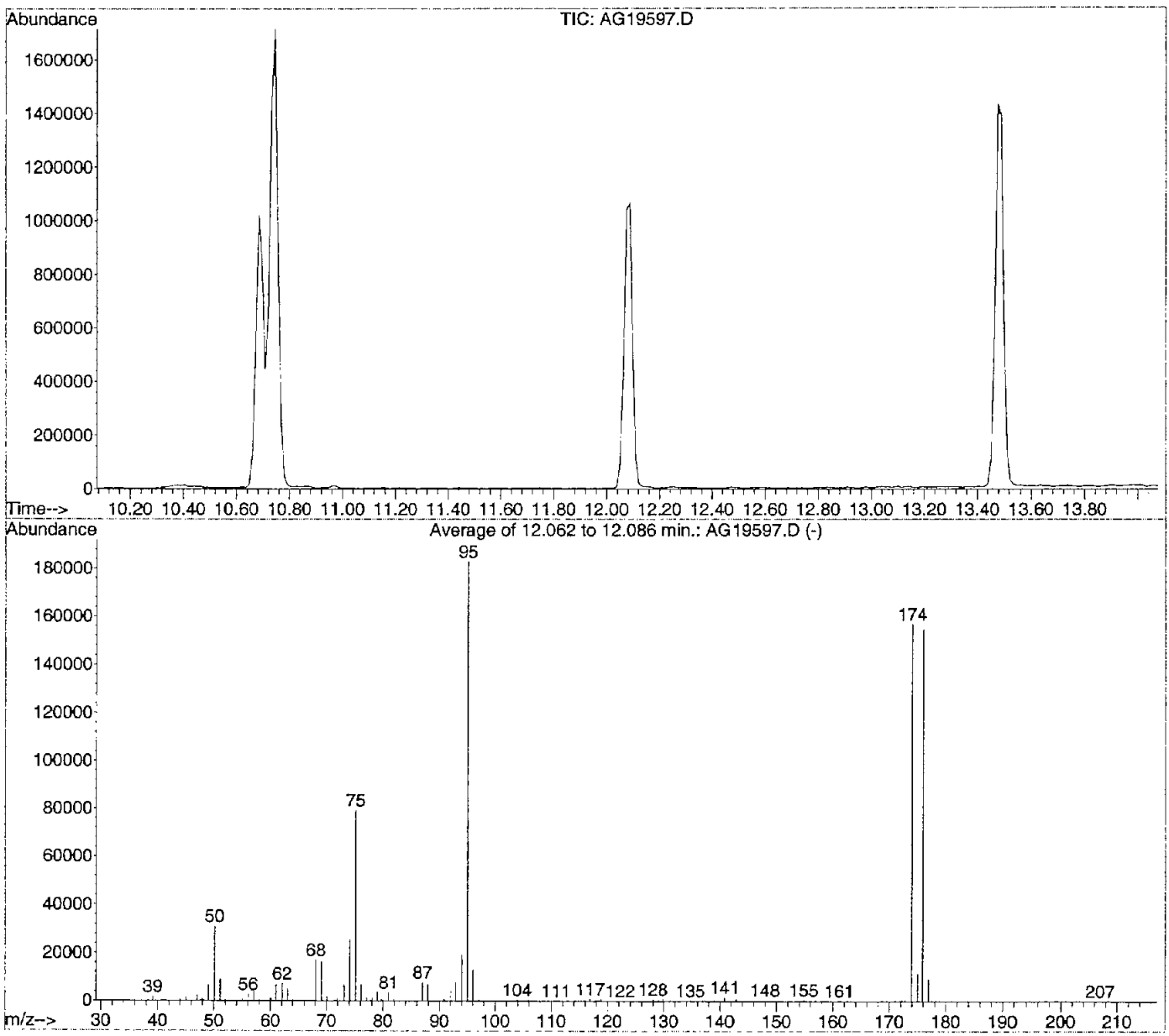
irectory : g:\DATA\11232004

	Filename	Sample Name	Date/Time
	ag19597.d	bfb tune	11/23/04 10:36
	ag19598.d	prime	11/23/04 11:02
	ag19599.d	0.1 ug/L MDL check	11/23/04 11:28
	ag19600.d	0.2 ug/L MDL check / I-cal	11/23/04 11:54
	ag19601.d	0.4 ug/L I-cal	11/23/04 12:20
	ag19602.d	1.0 ug/L I-cal	11/23/04 12:46
	ag19603.d	2.0 ug/L I-cal	11/23/04 13:12
	ag19604.d	5.0 ug/L I-cal	11/23/04 13:38
	ag19605.d	10 ug/L I-cal	11/23/04 14:04
0	ag19606.d	20 ug/L I-cal	11/23/04 14:30
1	ag19607.d	40 ug/L I-cal	11/23/04 14:56
2	ag19608.d	100 ug/L I-cal	11/23/04 15:22
3	ag19612.d	5.0 ug/L ICV/bs voa	11/23/04 17:06

CLPBFB

Data File : E:\DATA\11232004\AG19597.D
Acq On : 23 Nov 2004 10:36 am
Sample : bfb tune
Misc : water
MS Integration Params: RTEINT.P
Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction

Vial: 2
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00



Spectrum Information: Average of 12.062 to 12.086 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	30914	PASS
75	95	30	60	43.3	79133	PASS
95	95	100	100	100.0	182701	PASS
96	95	5	9	7.1	13012	PASS
173	174	0.00	2	0.3	415	PASS
174	95	50	100	85.7	156605	PASS
175	174	5	9	7.3	11368	PASS
176	174	95	101	98.5	154328	PASS
177	176	5	9	6.0	9286	PASS

44701

Response Factor Report VOAInst#3

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration

Calibration Files
0.2 =AG19600.D 0.4 =AG19601.D 1.0 =AG19602.D
2.0 =AG19603.D 5.0 =AG19604.D 10 =AG19605.D

		Compound	0.2	0.4	1.0	2.0	5.0	10	Avg	%RSD
1)	I	Pentafluorobenzene(I)	----------ISTD----------							
2)	T	Dichlorodifluor		0.401	0.403	0.389	0.429	0.419	0.403	3.80
3)	TP	Chloromethane		0.657	0.493	0.448	0.398	0.393	0.453	19.78
4)	CT	Vinyl Chloride	0.424	0.408	0.485	0.414	0.461	0.444	0.428	9.01
5)	T	Bromomethane		0.060	0.077	0.070	0.075	0.081	0.072#	11.28
6)	T	Chloroethane		0.309	0.247	0.252	0.239	0.238	0.251	9.62
7)	T	Trichlorofluoro		0.538	0.572	0.570	0.616	0.604	0.583	4.13
8)	T	Acrolein		0.043	0.041	0.041	0.042	0.042	0.041#	2.36
9)	T	Ethyl ether		0.332	0.337	0.332	0.348	0.339	0.331	4.14
10)	CMT	1,1-Dichloroeth	0.354	0.412	0.367	0.343	0.365	0.354	0.362	5.68
11)	T	1,1,2-Trichloro		0.276	0.352	0.334	0.348	0.354	0.333	7.49
12)	T	Carbon Disulfid		1.253	1.340	1.225	1.320	1.315	1.299	3.00
13)	T	Acetone		0.240	0.257	0.262	0.219	0.234	0.231	9.70
14)	t	tert-Butyl alco		0.231	0.210	0.222	0.232	0.230	0.229	3.92
15)	T	Methylene Chlor	0.565	0.583	0.538	0.513	0.528	0.528	0.528	5.84
16)	T	Methyl tert-But		0.910	0.951	1.032	1.026	0.993	0.975	4.15
17)	T	trans-1,2-Dichl		0.411	0.443	0.414	0.429	0.417	0.416	3.51
18)	T	Acrylonitrile		0.131	0.128	0.133	0.134	0.132	0.129	3.14
19)	T	Hexane		0.230	0.252	0.242	0.244	0.248	0.241	3.20
20)	t	Diisopropyl eth		1.243	1.300	1.337	1.387	1.349	1.317	3.55
21)	TP	1,1-Dichloroeth		0.695	0.724	0.659	0.699	0.697	0.690	2.84
22)	T	Vinyl Acetate		0.807	0.754	0.777	0.876	0.839	0.766	14.10
23)	t	Ethyl tert-buty		0.514	0.459	0.510	0.499	0.487	0.494	3.61
24)	T	2,2-Dichloropro		0.510	0.499	0.477	0.512	0.507	0.501	2.35
25)	T	cis-1,2-Dichlor		0.488	0.428	0.448	0.468	0.459	0.454	4.26
26)	T	2-Butanone		0.021	0.017	0.021	0.019	0.020	0.019#	8.87
27)	T	Ethyl acetate		0.055	0.044	0.050	0.049	0.049	0.048#	7.17
28)	T	Tetrahydrofuran		0.034	0.039	0.041	0.042	0.041	0.039#	5.99
29)	T	Bromochlorometh		0.331	0.361	0.365	0.360	0.357	0.337	10.32
30)	CT	Chloroform		0.447	0.494	0.452	0.461	0.451	0.453	4.15
31)	T	1,1,1-Trichloro	0.615	0.534	0.609	0.561	0.596	0.591	0.585	4.36
32)	T	Cyclohexane		0.872	0.780	0.698	0.697	0.688	0.710	11.04
33)	S	Dibromofluorome	0.444	0.441	0.422	0.399	0.419	0.423	0.420	3.86
34)	T	Carbon Tetrachl	0.427	0.408	0.481	0.459	0.477	0.484	0.467	6.43
35)	T	1,1-Dichloropro		0.534	0.545	0.524	0.536	0.537	0.532	1.86
36)	t	tert-Amyl methy		1.036	0.910	0.994	1.044	1.033	1.027	5.15
37)	MT	Benzene	1.595	1.731	1.659	1.598	1.665	1.644	1.630	3.17
38)	T	iso-Butyl alcoh		0.011	0.011	0.012	0.013	0.013	0.012#	6.48
39)	T	1,2-Dichloroeth	0.467	0.560	0.565	0.540	0.562	0.551	0.541	5.55
40)	S	Fluorobenzene(S	1.498	1.667	1.651	1.601	1.621	1.622	1.560	9.28
41)	I	1,4-Difluorobenzene(I	----------ISTD----------							
42)	S	Trifluorotoluen	0.504	0.462	0.506	0.481	0.497	0.508	0.491	3.01
43)	MT	Trichloroethene	0.305	0.314	0.317	0.313	0.315	0.319	0.314	1.70
44)	T	n-Butyl alcohol		0.003	0.003	0.003	0.004	0.004	0.003#	13.44
45)	T	Methylcyclohexa		0.271	0.293	0.297	0.296	0.314	0.293	4.01
46)	CT	1,2-Dichloropro	0.266	0.262	0.323	0.273	0.277	0.283	0.280	6.27
47)	T	Dibromomethane		0.171	0.210	0.187	0.194	0.207	0.194	6.28
48)	T	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002#	7.64
49)	T	Bromodichlorome	0.325	0.340	0.330	0.314	0.336	0.348	0.337	3.53
50)	T	2-Chloroethyl V		0.015	0.020	0.027	0.039	0.046	0.032#	41.55
51)	T	cis-1,3-Dichlor		0.352	0.374	0.360	0.393	0.416	0.392	6.75
52)	T	4-Methyl-2-pent		0.031	0.038	0.039	0.041	0.042	0.039#	9.28
53)	S	Toluene-d8(S)	0.960	0.978	1.016	1.013	1.051	1.072	0.988	9.23
54)	CMT	Toluene		1.181	1.204	1.177	1.199	1.247	1.202	1.80
55)	T	trans-1,3-Dichl		0.283	0.336	0.325	0.371	0.379	0.356	10.48
56)	T	1,1,2-Trichloro		0.273	0.240	0.242	0.258	0.248	0.248	4.87

(#) = Out of Range ### Number of calibration levels exceeded format ###

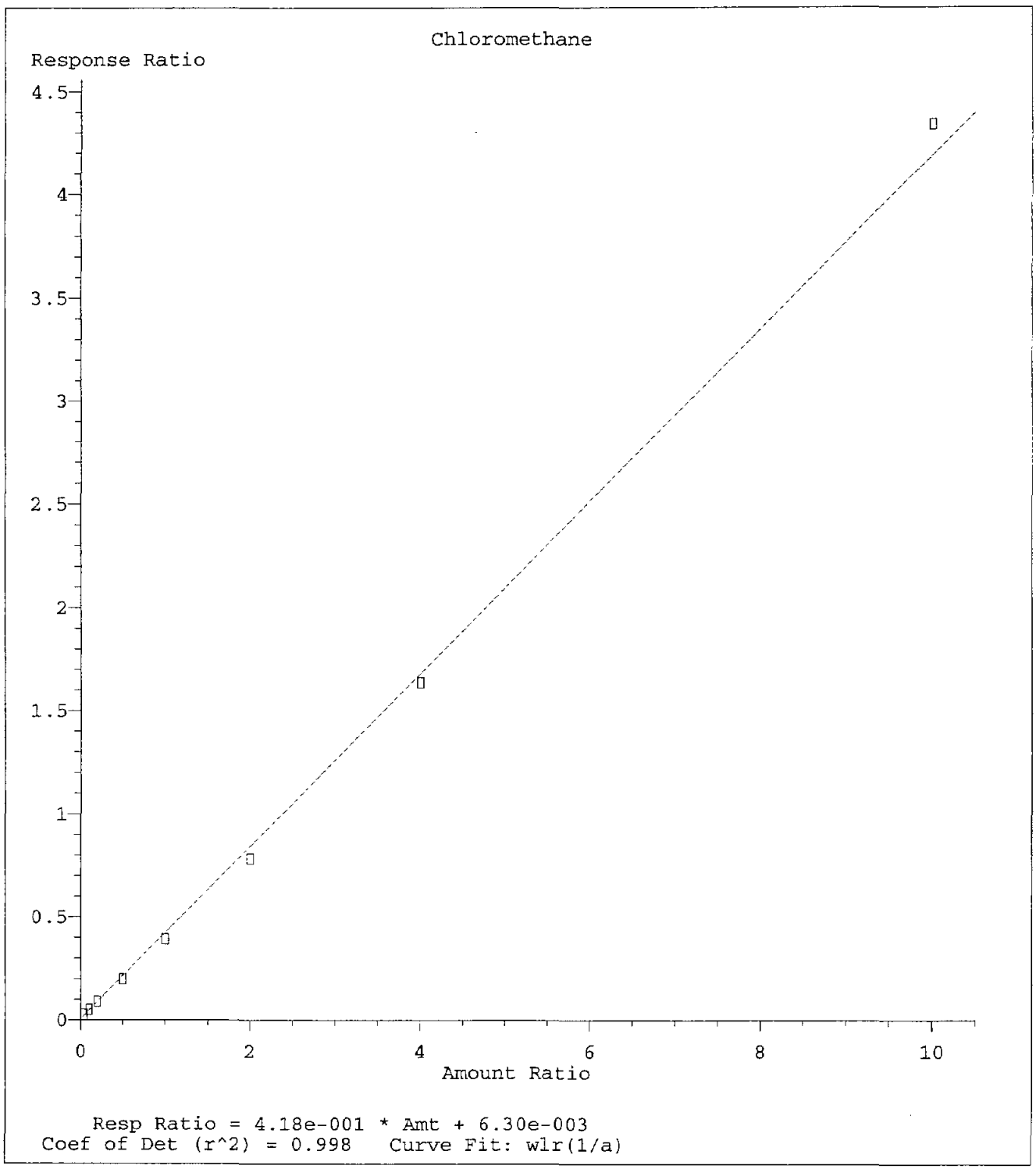
Response Factor Report VOAInst#3

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration

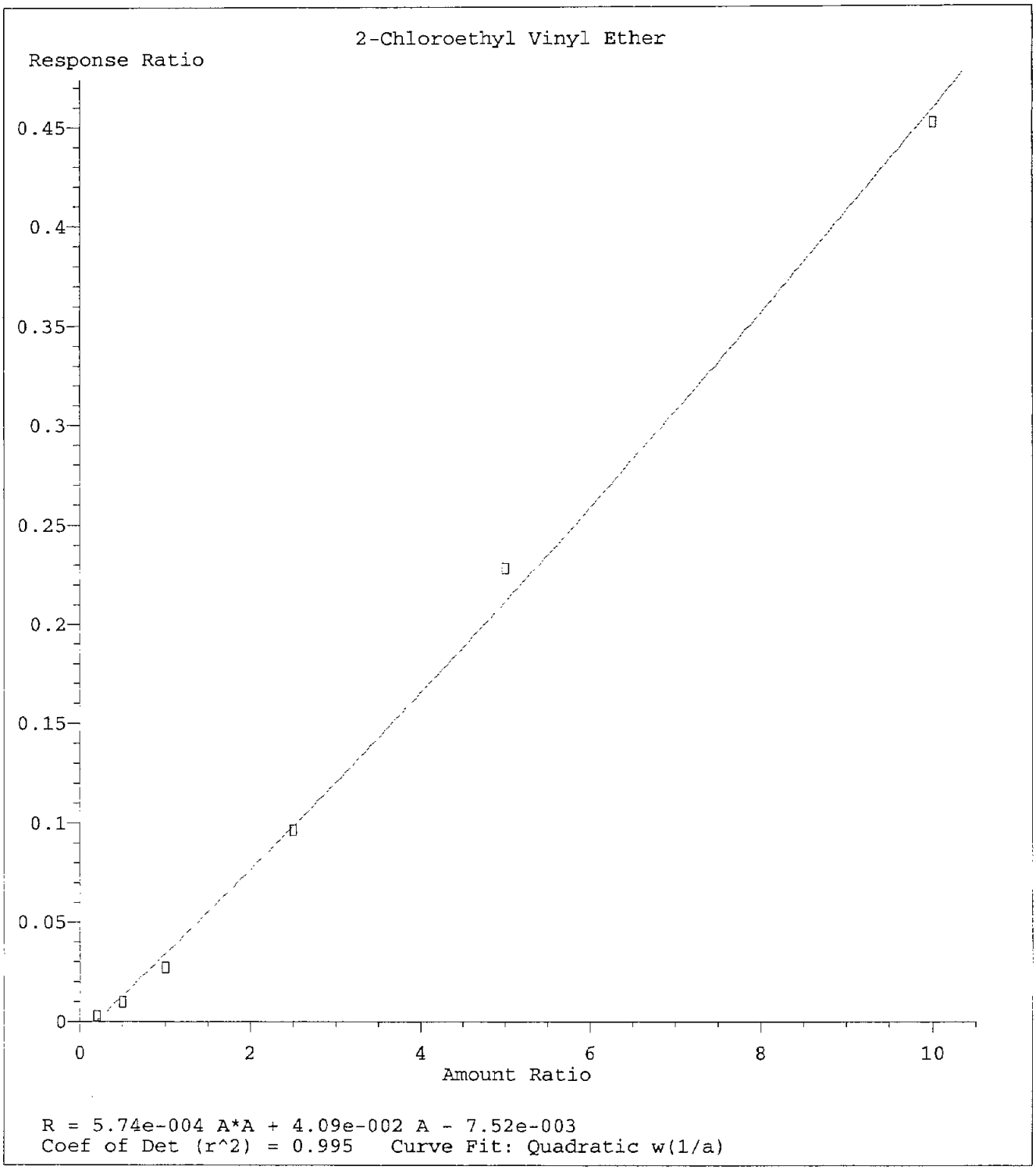
Calibration Files
0.2 =AG19600.D 0.4 =AG19601.D 1.0 =AG19602.D
2.0 =AG19603.D 5.0 =AG19604.D 10 =AG19605.D

		Compound	0.2	0.4	1.0	2.0	5.0	10	Avg	%RSD
57)	T	Tetrachloroethe	0.230	0.243	0.270	0.234	0.262	0.270	0.253	5.75
58)	T	1,3-Dichloropro	0.436	0.395	0.390	0.401	0.406	0.417	0.404	3.53
59)	T	2-Hexanone		0.017	0.016	0.018	0.019	0.020	0.018#	8.83
60)	T	Dibromochlorome		0.187	0.212	0.226	0.241	0.258	0.241	12.84
61)	T	1,2-Dibromoetha	0.209	0.241	0.231	0.235	0.253	0.256	0.242	6.24
62)	I	D5-Chlorobenzene(I)	----------ISTD----------							
63)	S	Ethylbenzene-d1	6.270	6.191	6.542	6.254	6.431	6.739	6.151	13.24
64)	MTP	Chlorobenzene		4.382	4.611	4.167	4.268	4.314	4.260	4.35
65)	T	1,1,1,2-Tetrach		1.267	1.278	1.258	1.296	1.367	1.330	4.69
66)	CT	Ethylbenzene		6.049	6.663	6.540	6.747	6.907	6.621	4.00
67)	T	m,p-Xylene		2.385	2.561	2.544	2.693	2.813	2.635	5.08
68)	T	o-Xylene		4.724	5.005	5.016	5.199	5.441	5.171	4.79
69)	T	Styrene		3.060	3.475	3.618	4.014	4.402	3.975	13.39
70)	TP	Bromoform	0.539	0.419	0.585	0.643	0.732	0.783	0.712	25.51
71)	T	Isopropylbenzen		4.863	5.644	5.578	6.141	6.409	6.002	9.84
72)	S	Bromofluorobenz	1.787	1.758	1.847	1.831	1.879	1.894	1.842	2.57
73)	T	Bromobenzene		1.706	1.857	1.781	1.800	1.854	1.802	2.76
74)	TP	1,1,2,2-Tetrach	2.238	2.456	2.349	2.360	2.501	2.550	2.394	4.58
75)	T	1,2,3-Trichloro	0.301	0.489	0.458	0.466	0.476	0.489	0.444	12.93
76)	T	n-Propylbenzene		6.517	7.272	7.121	7.766	8.087	7.556	7.14
77)	T	2-Chlorotoluene		1.670	1.663	1.547	1.649	1.673	1.648	2.63
78)	T	4-Chlorotoluene		1.608	1.694	1.694	1.705	1.787	1.716	3.34
79)	T	1,3,5-Trimethyl		4.003	4.531	4.560	5.105	5.320	4.934	10.30
80)	T	t-Butylbenzene		3.511	3.970	3.949	4.116	4.415	4.159	8.23
81)	T	1,2,4-Trimethyl		4.090	4.668	4.753	5.334	5.414	5.087	10.33
82)	T	sec-Butylbenzen		4.546	5.005	5.214	5.546	5.876	5.497	9.65
83)	T	4-Isopropyltolu		3.744	4.363	4.580	5.036	5.271	4.861	11.94
84)	T	1,3-Dichloroben		3.010	3.259	3.275	3.286	3.405	3.263	3.48
85)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
86)	T	1,4-Dichloroben		1.575	1.621	1.447	1.531	1.501	1.506	4.49
87)	T	n-Butylbenzene		0.386	0.457	0.403	0.519	0.518	0.482	12.20
88)	T	1,2-Dichloroben		1.468	1.449	1.380	1.463	1.434	1.421	2.88
89)	T	1,2-Dibromo-3-c		0.080	0.105	0.088	0.093	0.099	0.098#	10.52
90)	T	1,3,5-Trichloro		0.908	0.956	0.869	0.969	0.974	0.947	4.17
91)	T	1,2,4-Trichloro		0.854	0.864	0.855	0.932	0.928	0.909	4.96
92)	T	Hexachlorobutad		0.366	0.366	0.346	0.339	0.349	0.347	3.84
93)	T	Naphthalene		1.848	1.771	1.723	1.972	2.130	1.993	9.71
94)	T	1,2,3-Trichloro		0.890	0.859	0.849	0.863	0.886	0.875	2.30

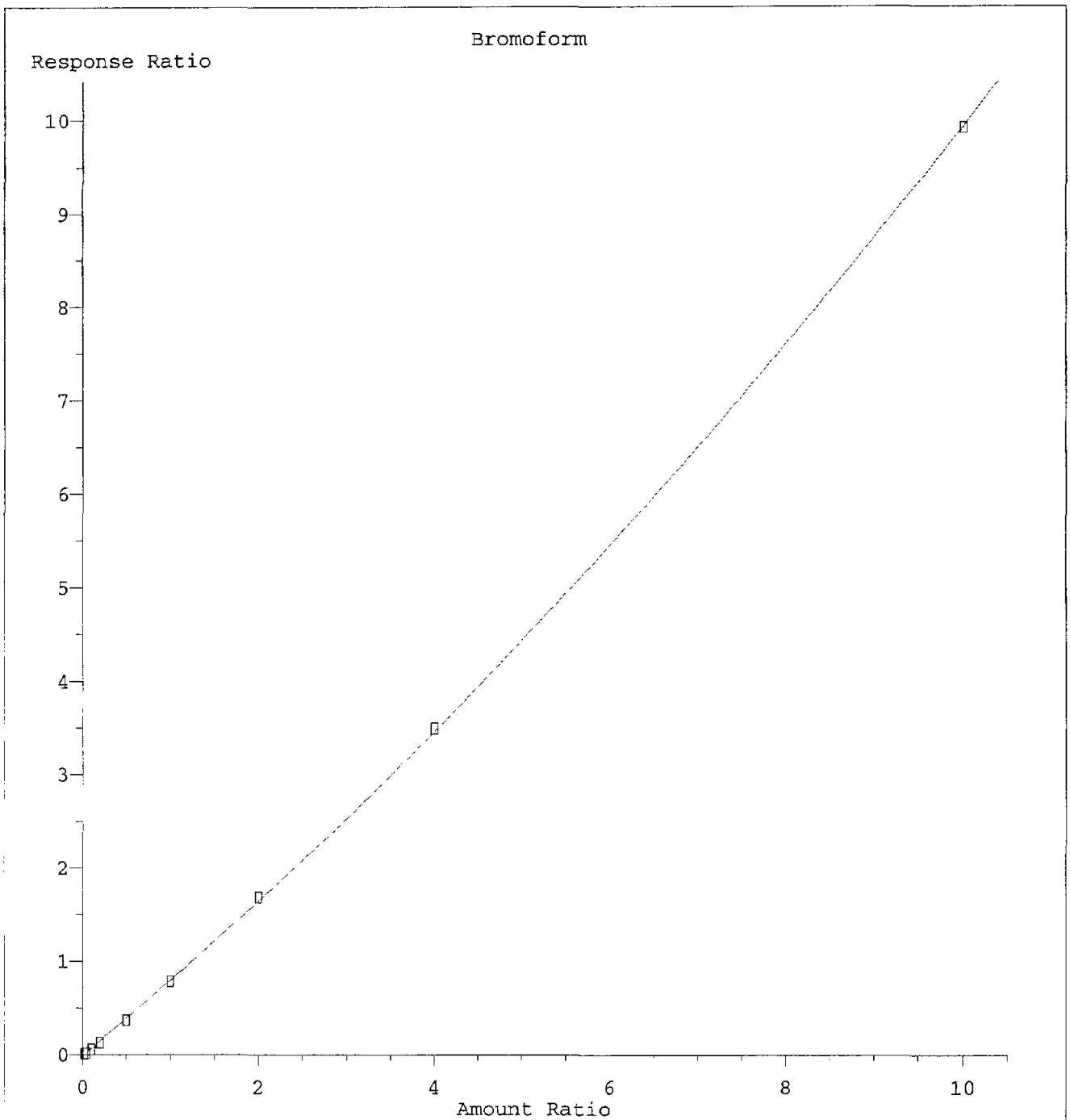
(#) = Out of Range ### Number of calibration levels exceeded format ###



Method Name: E:\METHODS\11232004_AQUEOUS_8260.M
Calibration Table Last Updated: Wed Nov 24 09:40:26 2004



Method Name: E:\METHODS\11232004_AQUEOUS_8260.M
Calibration Table Last Updated: Wed Nov 24 09:40:26 2004



R = 2.11e-002 A*A + 7.84e-001 A - 1.09e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a)

Method Name: E:\METHODS\11232004_AQUEOUS_8260.M
Calibration Table Last Updated: Wed Nov 24 09:40:26 2004

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19599.D
Acq On : 23 Nov 2004 11:28 am
Sample : 0.1 ug/L MDL check
Misc : water 12496308
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:49:55 2004

Vial: 4
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	820503	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1214833	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	242500	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	532082	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	8928	0.26	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	2.60%#	
40) Fluorobenzene(S)	7.23	96	30432	0.24	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	2.40%#	
42) Trifluorotoluene(S)	7.96	146	13696	0.23	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery	=	2.30%#	
53) Toluene-d8(S)	9.02	98	29099	0.24	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	=	2.40%#	
63) Ethylbenzene-d10(S)	10.74	98	38002	0.25	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	=	2.50%#	
72) Bromofluorobenzene(S)	12.09	174	11936	0.27	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	2.70%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	2532	0.08	ug/L #	84
3) Chloromethane	1.88	50	10849	0.17	ug/L	75
4) Vinyl Chloride	2.00	62	3233	0.09	ug/L	93
7) Trichlorofluoromethane	2.92	101	3501	0.07	ug/L	88
8) Acrolein	3.50	56	1929	0.57	ug/L	83
9) Ethyl ether	3.35	59	12886	0.47	ug/L	90
10) 1,1-Dichloroethene	3.65	96	3440	0.12	ug/L	93
11) 1,1,2-Trichlorotrifluoroet	3.68	151	2228	0.08	ug/L	83
12) Carbon Disulfide	3.94	76	10360	0.10	ug/L	90
14) tert-Butyl alcohol	5.72	59	6531	0.35	ug/L #	75
15) Methylene Chloride	4.33	49	5959	0.14	ug/L	94
16) Methyl tert-Butyl ether	4.65	73	7103	0.09	ug/L	95
17) trans-1,2-Dichloroethene	4.68	96	2937	0.09	ug/L	97
18) Acrylonitrile	4.63	53	3874	0.37	ug/L	84
19) Hexane	5.03	56	2082	0.11	ug/L	89
20) Diisopropyl ether	5.28	45	8734	0.08	ug/L #	89
21) 1,1-Dichloroethane	5.21	63	5410	0.10	ug/L	93
22) Vinyl Acetate	5.26	43	29284	0.47	ug/L #	93
23) Ethyl tert-butyl ether	5.73	87	3904	0.10	ug/L #	59
24) 2,2-Dichloropropane	5.88	77	3884	0.09	ug/L	81
25) cis-1,2-Dichloroethene	5.91	96	3794	0.10	ug/L	89
27) Ethyl acetate	5.99	45	1601	0.41	ug/L	77
29) Bromochloromethane	6.19	49	2741	0.10	ug/L	91
30) Chloroform	6.31	85	3960	0.11	ug/L	82
31) 1,1,1-Trichloroethane	6.49	97	4510	0.09	ug/L #	1
32) Cyclohexane	6.53	56	16036	0.28	ug/L #	33
35) 1,1-Dichloropropene	6.68	75	4659	0.11	ug/L	92
36) tert-Amyl methyl ether	7.02	73	5827	0.07	ug/L	96
37) Benzene	6.91	78	12424	0.09	ug/L	95
39) 1,2-Dichloroethane	6.94	62	4603	0.10	ug/L	95
43) Trichloroethene	7.65	130	3074	0.08	ug/L	80
46) 1,2-Dichloropropane	7.90	63	3971	0.12	ug/L	92
47) Dibromomethane	8.05	174	2391	0.10	ug/L	92
49) Bromodichloromethane	8.23	83	4908	0.12	ug/L	74
50) 2-Chloroethyl Vinyl Ether	8.54	63	503	1.94	ug/L #	23
51) cis-1,3-Dichloropropene	8.73	75	3335	0.07	ug/L	72

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19599.D
Acq On : 23 Nov 2004 11:28 am
Sample : 0.1 ug/L MDL check
Misc : water 12496308
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:49:55 2004

Vial: 4
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
52)	4-Methyl-2-pentanone	8.87	85	2639	0.56 ug/L	#	51
54)	Toluene	9.09	91	13817	0.09 ug/L		92
55)	trans-1,3-Dichloropropene	9.35	75	3588	0.08 ug/L	#	61
56)	1,1,2-Trichloroethane	9.56	97	2538	0.08 ug/L		97
57)	Tetrachloroethene	9.73	164	2601	0.08 ug/L	#	80
58)	1,3-Dichloropropane	9.75	76	4803	0.10 ug/L		95
60)	Dibromochloromethane	10.03	129	2536	0.09 ug/L		97
61)	1,2-Dibromoethane	10.16	107	2217	0.08 ug/L	#	72
64)	Chlorobenzene	10.72	112	9246	0.09 ug/L	#	51
65)	1,1,1,2-Tetrachloroethane	10.82	131	2905	0.09 ug/L	#	64
66)	Ethylbenzene	10.83	91	13434	0.08 ug/L		92
67)	m,p-Xylene	10.96	106	11526	0.18 ug/L		97
68)	o-Xylene	11.45	91	10120	0.08 ug/L		94
69)	Styrene	11.46	104	8027	0.08 ug/L		90
70)	Bromoform	11.72	173	1614	0.22 ug/L		98
71)	Isopropylbenzene	11.88	105	10285	0.07 ug/L		89
73)	Bromobenzene	12.27	156	3786	0.09 ug/L	#	70
74)	1,1,2,2-Tetrachloroethane	12.26	83	5786+	0.10 ug/L		96
76)	n-Propylbenzene	12.38	91	13858	0.08 ug/L		97
78)	4-Chlorotoluene	12.62	126	2945	0.07 ug/L	#	45
79)	1,3,5-Trimethylbenzene	12.58	105	9382	0.08 ug/L		83
80)	t-Butylbenzene	12.98	119	9300	0.09 ug/L		97
81)	1,2,4-Trimethylbenzene	13.04	105	10002	0.08 ug/L		98
82)	sec-Butylbenzene	13.23	105	9917	0.07 ug/L		95
83)	4-Isopropyltoluene	13.42	119	7660	0.06 ug/L		87
84)	1,3-Dichlorobenzene	13.40	146	7305	0.09 ug/L		93
86)	1,4-Dichlorobenzene	13.51	146	8618	0.11 ug/L	#	37
87)	n-Butylbenzene	13.92	134	1867	0.07 ug/L	#	79
88)	1,2-Dichlorobenzene	13.97	146	6599	0.09 ug/L		97
90)	1,3,5-Trichlorobenzene	15.18	180	4512	0.09 ug/L	#	64
91)	1,2,4-Trichlorobenzene	15.94	180	4900	0.10 ug/L		95
93)	Naphthalene	16.26	128	12120	0.11 ug/L		89
94)	1,2,3-Trichlorobenzene	16.56	180	4351	0.09 ug/L		93

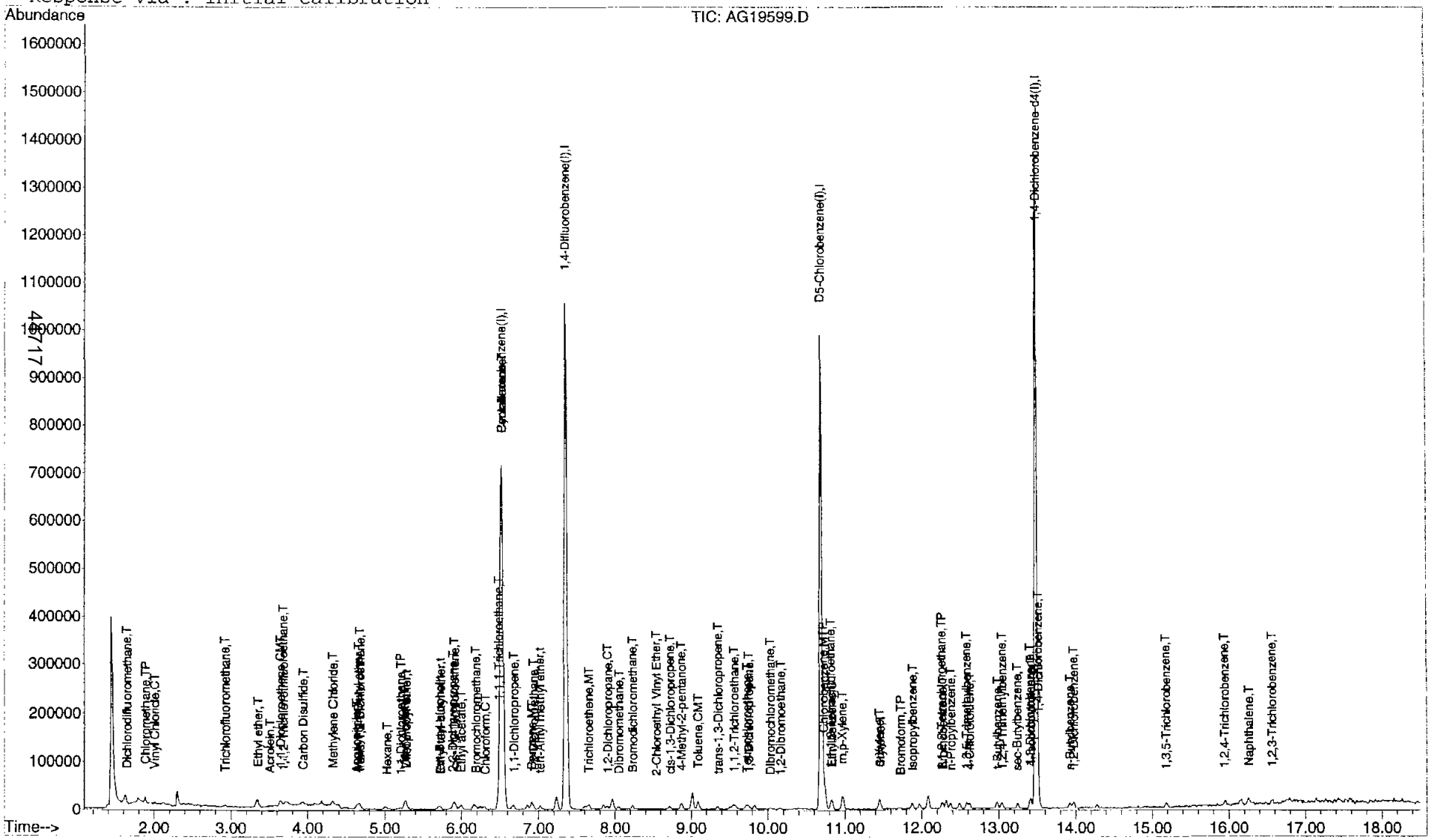
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19599.D
Acq On : 23 Nov 2004 11:28 am
Sample : 0.1 ug/L MDL check
Misc : water 12496308
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:49 2004

Vial: 4
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



00338

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19600.D
Acq On : 23 Nov 2004 11:54 am
Sample : 0.2 ug/L MDL check / I-cal
Misc : water 12496309
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:03 2004

Vial: 5
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.52	168	817874	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1206310	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	231831	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	525886	10.00	ug/L	0.00

System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	18140	0.53	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	5.30%#	
40) Fluorobenzene(S)	7.23	96	61275	0.48	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	4.80%#	
42) Trifluorotoluene(S)	7.96	146	30416	0.51	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery	=	5.10%#	
53) Toluene-d8(S)	9.02	98	57901	0.49	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	=	4.90%#	
63) Ethylbenzene-d10(S)	10.74	98	72678	0.51	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	=	5.10%#	
72) Bromofluorobenzene(S)	12.09	174	20710	0.49	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	4.90%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	6299	0.19	ug/L	89
3) Chloromethane	1.88	50	15064	0.29	ug/L	99
4) Vinyl Chloride	2.00	62	6938	0.20	ug/L	77
5) Bromomethane	2.43	94	807	0.14	ug/L #	38
6) Chloroethane	2.57	64	5306	0.26	ug/L	84
7) Trichlorofluoromethane	2.92	101	8854	0.19	ug/L	83
8) Acrolein	3.50	56	3226	0.95	ug/L	87
9) Ethyl ether	3.33	59	24847	0.92	ug/L	88
10) 1,1-Dichloroethene	3.65	96	5797	0.20	ug/L	91
11) 1,1,2-Trichlorotrifluoroet	3.67	151	4390	0.16	ug/L	95
12) Carbon Disulfide	3.93	76	21222	0.20	ug/L	99
14) tert-Butyl alcohol	5.72	59	16789	0.90	ug/L #	88
15) Methylene Chloride	4.31	49	9234	0.21	ug/L	89
16) Methyl tert-Butyl ether	4.65	73	15031	0.19	ug/L	91
17) trans-1,2-Dichloroethene	4.68	96	7138	0.21	ug/L	94
18) Acrylonitrile	4.63	53	11282	1.07	ug/L	94
19) Hexane	5.01	56	4588	0.23	ug/L #	86
20) Diisopropyl ether	5.28	45	19643	0.18	ug/L #	95
21) 1,1-Dichloroethane	5.20	63	10518	0.19	ug/L	91
22) Vinyl Acetate	5.27	43	60193	0.96	ug/L #	92
23) Ethyl tert-butyl ether	5.72	87	6335	0.16	ug/L #	79
24) 2,2-Dichloropropane	5.90	77	7836	0.19	ug/L	88
25) cis-1,2-Dichloroethene	5.91	96	7520	0.20	ug/L	95
27) Ethyl acetate	5.99	45	4038	1.03	ug/L	73
28) Tetrahydrofuran	6.25	71	3717	1.16	ug/L	95
29) Bromochloromethane	6.19	49	5972	0.22	ug/L	90
30) Chloroform	6.30	85	6773	0.18	ug/L #	71
31) 1,1,1-Trichloroethane	6.49	97	10061	0.21	ug/L #	1
32) Cyclohexane	6.54	56	20602	0.35	ug/L #	49
34) Carbon Tetrachloride	6.67	119	6985	0.18	ug/L	93
35) 1,1-Dichloropropene	6.67	75	8218	0.19	ug/L	94
36) tert-Amyl methyl ether	7.03	73	14000	0.17	ug/L #	87
37) Benzene	6.91	78	26097	0.20	ug/L	96
38) iso-Butyl alcohol	6.86	43	17898	17.87	ug/L	93
39) 1,2-Dichloroethane	6.94	62	7643	0.17	ug/L	95
43) Trichloroethene	7.65	130	7348	0.19	ug/L	96

44719

(#) = qualifier out of range (m) = manual integration

00339

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19600.D
Acq On : 23 Nov 2004 11:54 am
Sample : 0.2 ug/L MDL check / I-cal
Misc : water 12496309
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:03 2004

Vial: 5
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
44)	n-Butyl alcohol	7.60	41	6698	16.24 ug/L		92
45)	Methylcyclohexane	7.85	55	7684	0.22 ug/L		87
46)	1,2-Dichloropropane	7.89	63	6429	0.19 ug/L		89
47)	Dibromomethane	8.05	174	3361	0.14 ug/L	#	68
48)	1,4-Dioxane	8.06	88	1468	5.16 ug/L	#	72
49)	Bromodichloromethane	8.23	83	7844	0.19 ug/L		87
50)	2-Chloroethyl Vinyl Ether	8.54	63	1926	2.22 ug/L	#	62
51)	cis-1,3-Dichloropropene	8.71	75	8849	0.19 ug/L		96
52)	4-Methyl-2-pentanone	8.88	85	4023	0.85 ug/L	#	89
54)	Toluene	9.09	91	29423	0.20 ug/L		93
55)	trans-1,3-Dichloropropene	9.35	75	6798	0.16 ug/L		74
56)	1,1,2-Trichloroethane	9.57	97	5664	0.19 ug/L		95
57)	Tetrachloroethene	9.72	164	5538	0.18 ug/L		88
58)	1,3-Dichloropropane	9.75	76	10524	0.22 ug/L		97
60)	Dibromochloromethane	10.03	129	4982	0.17 ug/L		96
61)	1,2-Dibromoethane	10.16	107	5044	0.17 ug/L	#	82
64)	Chlorobenzene	10.72	112	18671	0.19 ug/L		63
65)	1,1,1,2-Tetrachloroethane	10.82	131	6766	0.22 ug/L		86
66)	Ethylbenzene	10.83	91	28514	0.19 ug/L		99
67)	m,p-Xylene	10.97	106	20743	0.34 ug/L		91
68)	o-Xylene	11.45	91	22177	0.18 ug/L		92
69)	Styrene	11.46	104	13334	0.14 ug/L		79
70)	Bromoform	11.72	173	2497	0.28 ug/L		75
71)	Isopropylbenzene	11.88	105	21437	0.15 ug/L		98
73)	Bromobenzene	12.27	156	7617	0.18 ug/L		96
74)	1,1,2,2-Tetrachloroethane	12.27	83	10378+	0.19 ug/L		91
75)	1,2,3-Trichloropropane	12.30	110	1396	0.14 ug/L	#	29
76)	n-Propylbenzene	12.38	91	28567	0.16 ug/L		99
77)	2-Chlorotoluene	12.48	126	7246	0.19 ug/L		89
78)	4-Chlorotoluene	12.62	126	6670	0.17 ug/L	#	81
79)	1,3,5-Trimethylbenzene	12.58	105	17476	0.15 ug/L		99
80)	t-Butylbenzene	12.98	119	16864	0.17 ug/L	#	92
81)	1,2,4-Trimethylbenzene	13.04	105	19893	0.17 ug/L		93
82)	sec-Butylbenzene	13.25	105	19577	0.15 ug/L		95
83)	4-Isopropyltoluene	13.42	119	14483	0.13 ug/L		83
84)	1,3-Dichlorobenzene	13.40	146	14912	0.20 ug/L		94
86)	1,4-Dichlorobenzene	13.51	146	17084	0.22 ug/L	#	67
87)	n-Butylbenzene	13.91	134	4140	0.16 ug/L	#	78
88)	1,2-Dichlorobenzene	13.97	146	13888	0.19 ug/L		97
89)	1,2-Dibromo-3-chloropropan	14.94	75	1370	0.27 ug/L	#	55
90)	1,3,5-Trichlorobenzene	15.19	180	8793	0.18 ug/L		93
91)	1,2,4-Trichlorobenzene	15.95	180	8449	0.18 ug/L		92
92)	Hexachlorobutadiene	16.15	225	2935	0.16 ug/L	#	44
93)	Naphthalene	16.26	128	17991	0.17 ug/L		91
94)	1,2,3-Trichlorobenzene	16.56	180	9498	0.21 ug/L		82

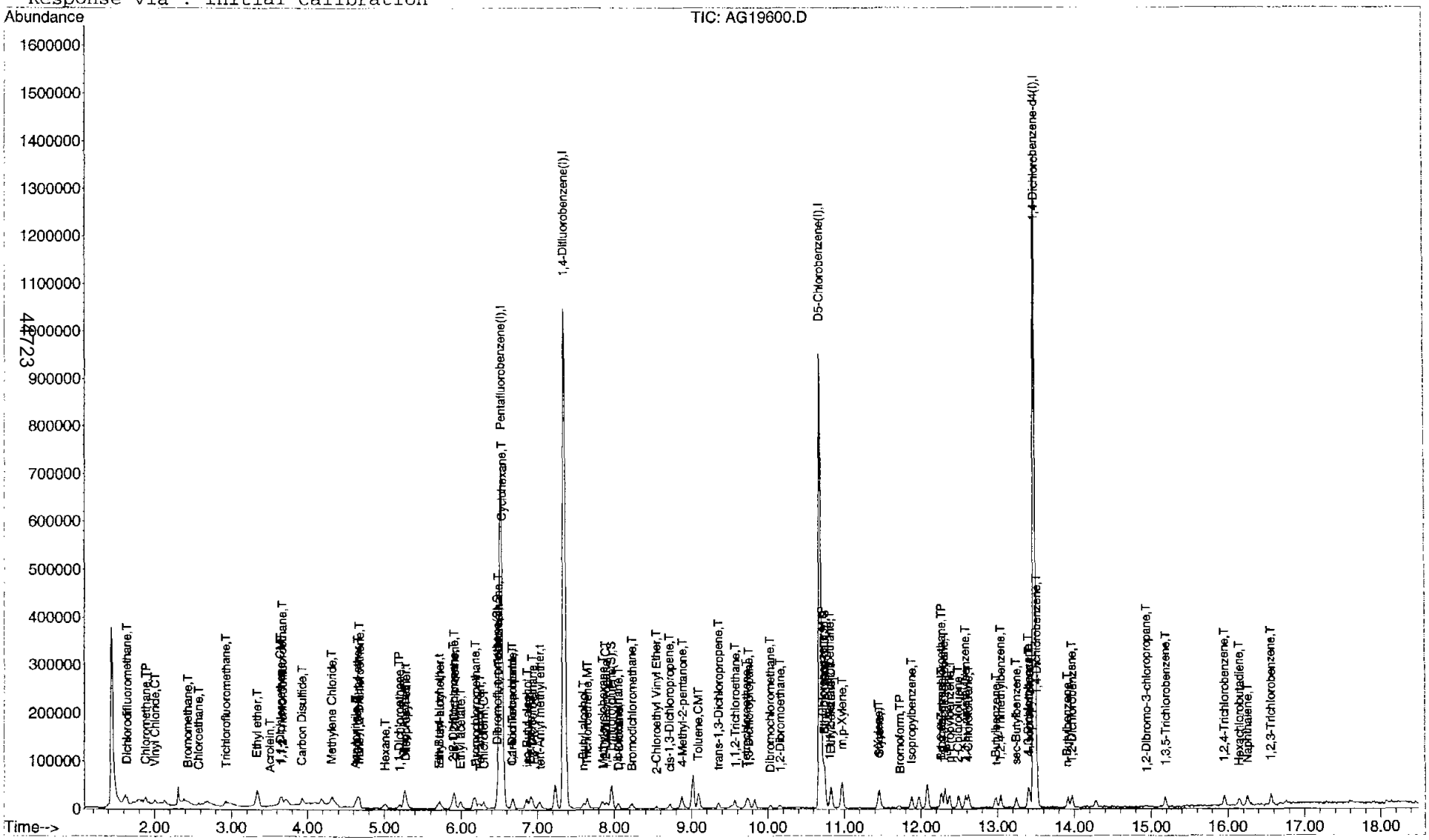
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19600.D
Acq On : 23 Nov 2004 11:54 am
Sample : 0.2 ug/L MDL check / I-cal
Misc : water 12496309
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:50 2004

Vial: 5
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



44723

00341

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19601.D
Acq On : 23 Nov 2004 12:20 pm
Sample : 0.4 ug/L I-cal
Misc : water 12496310
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:09 2004

Vial: 6
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	807978	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1208262	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	231403	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	522091	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	35630	1.05	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	10.50%#	
40) Fluorobenzene(S)	7.23	96	134683	1.07	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	10.70%#	
42) Trifluorotoluene(S)	7.96	146	55817	0.94	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery	=	9.40%#	
53) Toluene-d8(S)	9.02	98	118172	0.99	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	=	9.90%#	
63) Ethylbenzene-d10(S)	10.74	98	143255	1.01	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	=	10.10%#	
72) Bromofluorobenzene(S)	12.09	174	40686	0.95	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	9.50%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	12972	0.40	ug/L	93
3) Chloromethane	1.88	50	21244	0.48	ug/L	95
4) Vinyl Chloride	2.00	62	13194	0.38	ug/L	98
5) Bromomethane	2.43	94	1934	0.33	ug/L #	53
6) Chloroethane	2.57	64	9999	0.49	ug/L	96
7) Trichlorofluoromethane	2.92	101	17375	0.37	ug/L	98
8) Acrolein	3.50	56	6972	2.09	ug/L	79
9) Ethyl ether	3.33	59	53660	2.01	ug/L	94
10) 1,1-Dichloroethene	3.66	96	13319	0.46	ug/L	87
11) 1,1,2-Trichlorotrifluoroet	3.66	151	8925	0.33	ug/L	97
12) Carbon Disulfide	3.93	76	40509	0.39	ug/L	98
13) Acetone	3.72	43	38739	2.07	ug/L	97
14) tert-Butyl alcohol	5.73	59	37374	2.02	ug/L #	91
15) Methylene Chloride	4.32	49	18832	0.44	ug/L	99
16) Methyl tert-Butyl ether	4.66	73	29395	0.37	ug/L	91
17) trans-1,2-Dichloroethene	4.66	96	13288	0.40	ug/L	95
18) Acrylonitrile	4.63	53	21099	2.02	ug/L	94
19) Hexane	5.01	56	7426	0.38	ug/L	87
20) Diisopropyl ether	5.27	45	40185	0.38	ug/L	97
21) 1,1-Dichloroethane	5.20	63	22458	0.40	ug/L	98
22) Vinyl Acetate	5.27	43	130487	2.11	ug/L #	98
23) Ethyl tert-butyl ether	5.72	87	16596	0.42	ug/L #	92
24) 2,2-Dichloropropane	5.90	77	16471	0.41	ug/L	97
25) cis-1,2-Dichloroethene	5.91	96	15758	0.43	ug/L	93
26) 2-Butanone	5.91	57	3401	2.22	ug/L #	88
27) Ethyl acetate	5.99	45	8865	2.28	ug/L	86
28) Tetrahydrofuran	6.23	71	5510	1.73	ug/L #	71
29) Bromochloromethane	6.19	49	10691	0.39	ug/L	97
30) Chloroform	6.30	85	14440	0.39	ug/L	94
31) 1,1,1-Trichloroethane	6.49	97	17243	0.36	ug/L #	5
32) Cyclohexane	6.54	56	28194	0.49	ug/L #	61
34) Carbon Tetrachloride	6.67	119	13202	0.35	ug/L	89
35) 1,1-Dichloropropene	6.67	75	17245	0.40	ug/L	98
36) tert-Amyl methyl ether	7.02	73	33476	0.40	ug/L	95
37) Benzene	6.91	78	55950	0.42	ug/L	97
38) iso-Butyl alcohol	6.85	43	36157	36.54	ug/L	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19601.D
Acq On : 23 Nov 2004 12:20 pm
Sample : 0.4 ug/L I-cal
Misc : water 12496310
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:09 2004

Vial: 6
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	18095	0.41 ug/L		99
43)	Trichloroethene	7.65	130	15167	0.40 ug/L		92
44)	n-Butyl alcohol	7.60	41	13115	31.74 ug/L		97
45)	Methylcyclohexane	7.84	55	13104	0.37 ug/L		95
46)	1,2-Dichloropropane	7.90	63	12649	0.37 ug/L		97
47)	Dibromomethane	8.05	174	8263	0.35 ug/L		96
48)	1,4-Dioxane	8.06	88	2433	8.55 ug/L		69
49)	Bromodichloromethane	8.23	83	16438	0.40 ug/L		86
50)	2-Chloroethyl Vinyl Ether	8.54	63	3533	2.55 ug/L		77
51)	cis-1,3-Dichloropropene	8.71	75	17001	0.36 ug/L		97
52)	4-Methyl-2-pentanone	8.87	85	7481	1.59 ug/L	#	81
54)	Toluene	9.09	91	57073	0.39 ug/L		99
55)	trans-1,3-Dichloropropene	9.35	75	13695	0.32 ug/L		91
56)	1,1,2-Trichloroethane	9.57	97	13189	0.44 ug/L		87
57)	Tetrachloroethene	9.73	164	11763	0.38 ug/L		91
58)	1,3-Dichloropropane	9.75	76	19107	0.39 ug/L		96
59)	2-Hexanone	9.81	85	3996	1.79 ug/L	#	62
60)	Dibromochloromethane	10.03	129	9061	0.31 ug/L		99
61)	1,2-Dibromoethane	10.16	107	11649	0.40 ug/L		98
64)	Chlorobenzene	10.72	112	40561	0.41 ug/L		85
65)	1,1,1,2-Tetrachloroethane	10.82	131	11726	0.38 ug/L		93
66)	Ethylbenzene	10.83	91	55991	0.37 ug/L		100
67)	m,p-Xylene	10.97	106	44153	0.72 ug/L		94
68)	o-Xylene	11.45	91	43725	0.37 ug/L		96
69)	Styrene	11.47	104	28323	0.31 ug/L		83
70)	Bromoform	11.71	173	3874	0.35 ug/L		68
71)	Isopropylbenzene	11.88	105	45016	0.32 ug/L		94
73)	Bromobenzene	12.27	156	15792	0.38 ug/L	#	75
74)	1,1,2,2-Tetrachloroethane	12.26	83	22735+	0.41 ug/L		96
75)	1,2,3-Trichloropropane	12.30	110	4525	0.44 ug/L		87
76)	n-Propylbenzene	12.38	91	60324	0.35 ug/L		92
77)	2-Chlorotoluene	12.48	126	15462	0.41 ug/L		98
78)	4-Chlorotoluene	12.62	126	14883	0.37 ug/L		92
79)	1,3,5-Trimethylbenzene	12.58	105	37049	0.32 ug/L		95
80)	t-Butylbenzene	12.97	119	32498	0.34 ug/L		97
81)	1,2,4-Trimethylbenzene	13.04	105	37856	0.32 ug/L		97
82)	sec-Butylbenzene	13.25	105	42080	0.33 ug/L		96
83)	4-Isopropyltoluene	13.42	119	34653	0.31 ug/L		97
84)	1,3-Dichlorobenzene	13.40	146	27857	0.37 ug/L		94
86)	1,4-Dichlorobenzene	13.51	146	32889	0.42 ug/L		83
87)	n-Butylbenzene	13.92	134	8053	0.32 ug/L		93
88)	1,2-Dichlorobenzene	13.97	146	30653	0.41 ug/L		91
89)	1,2-Dibromo-3-chloropropan	14.94	75	1676	0.33 ug/L		90
90)	1,3,5-Trichlorobenzene	15.19	180	18962	0.38 ug/L		93
91)	1,2,4-Trichlorobenzene	15.95	180	17830	0.38 ug/L		96
92)	Hexachlorobutadiene	16.15	225	7635	0.42 ug/L	#	66
93)	Naphthalene	16.26	128	38603	0.37 ug/L		97
94)	1,2,3-Trichlorobenzene	16.56	180	18592	0.41 ug/L		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

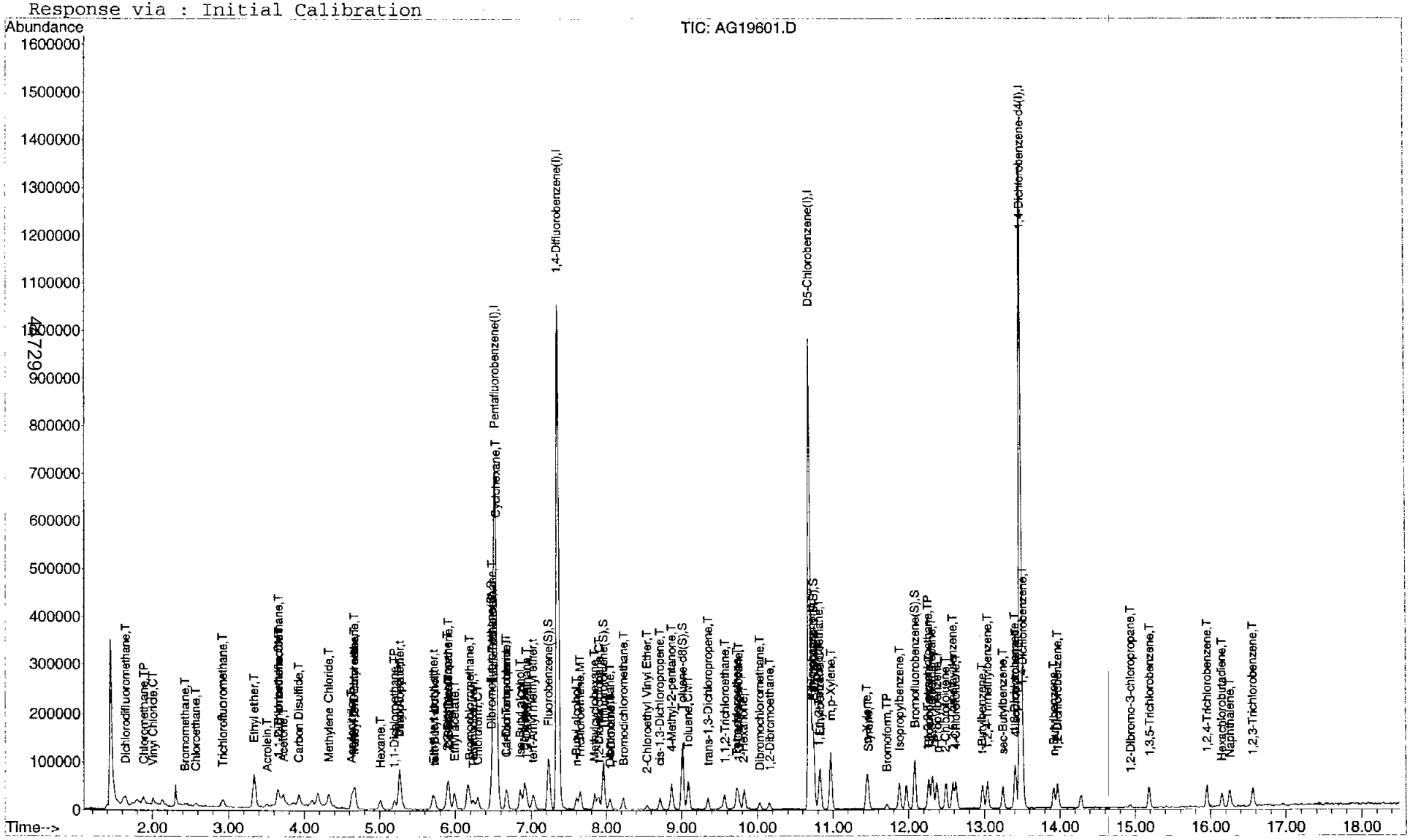
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19601.D
Acq On : 23 Nov 2004 12:20 pm
Sample : 0.4 ug/L I-cal
Misc : water 12496310
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:50 2004

Vial: 6
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19602.D
Acq On : 23 Nov 2004 12:46 pm
Sample : 1.0 ug/L I-cal
Misc : water 12496311
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:16 2004

Vial: 7
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	825179	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1221664	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	234751	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	522989	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	87010	2.51	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 25.10%#			
40) Fluorobenzene(S)	7.23	96	340656	2.65	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 26.50%#			
42) Trifluorotoluene(S)	7.96	146	154486	2.58	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 25.80%#			
53) Toluene-d8(S)	9.02	98	310154	2.57	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 25.70%#			
63) Ethylbenzene-d10(S)	10.74	98	383910	2.66	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 26.60%#			
72) Bromofluorobenzene(S)	12.09	174	108375	2.51	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 25.10%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	33227	1.00	ug/L	96
3) Chloromethane	1.88	50	40706	1.03	ug/L	97
4) Vinyl Chloride	2.00	62	40022	1.13	ug/L	93
5) Bromomethane	2.44	94	6348	1.06	ug/L	86
6) Chloroethane	2.57	64	20403	0.99	ug/L	93
7) Trichlorofluoromethane	2.92	101	47231	0.98	ug/L	97
8) Acrolein	3.52	56	16913	4.95	ug/L	96
9) Ethyl ether	3.33	59	139017	5.09	ug/L	93
10) 1,1-Dichloroethene	3.65	96	30302	1.02	ug/L	99
11) 1,1,2-Trichlorotrifluoroet	3.66	151	29034	1.06	ug/L	92
12) Carbon Disulfide	3.94	76	110601	1.03	ug/L	100
13) Acetone	3.72	43	105921	5.55	ug/L	95
14) tert-Butyl alcohol	5.70	59	86711	4.59	ug/L	99
15) Methylene Chloride	4.32	49	44419	1.02	ug/L	93
16) Methyl tert-Butyl ether	4.66	73	78506	0.98	ug/L	97
17) trans-1,2-Dichloroethene	4.68	96	36518	1.06	ug/L	96
18) Acrylonitrile	4.63	53	52833	4.96	ug/L	98
19) Hexane	5.01	56	20835	1.05	ug/L	91
20) Diisopropyl ether	5.28	45	107271	0.99	ug/L	97
21) 1,1-Dichloroethane	5.20	63	59770	1.05	ug/L	96
22) Vinyl Acetate	5.27	43	311103	4.92	ug/L #	97
23) Ethyl tert-butyl ether	5.72	87	37914	0.93	ug/L	96
24) 2,2-Dichloropropane	5.88	77	41173	1.00	ug/L	96
25) cis-1,2-Dichloroethene	5.91	96	35294	0.94	ug/L	83
26) 2-Butanone	5.91	57	7139	4.57	ug/L #	49
27) Ethyl acetate	5.99	45	18090	4.56	ug/L	95
28) Tetrahydrofuran	6.24	71	16051	4.95	ug/L	93
29) Bromochloromethane	6.19	49	29768	1.07	ug/L	98
30) Chloroform	6.30	85	40787	1.09	ug/L	92
31) 1,1,1-Trichloroethane	6.48	97	50231	1.04	ug/L #	63
32) Cyclohexane	6.54	56	64336	1.10	ug/L	85
34) Carbon Tetrachloride	6.67	119	39727	1.03	ug/L	97
35) 1,1-Dichloropropene	6.67	75	44976	1.02	ug/L	96
36) tert-Amyl methyl ether	7.02	73	75097	0.89	ug/L	96
37) Benzene	6.91	78	136896	1.02	ug/L	96
38) iso-Butyl alcohol	6.85	43	92898	91.94	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19602.D
Acq On : 23 Nov 2004 12:46 pm
Sample : 1.0 ug/L I-cal
Misc : water 12496311
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:16 2004

Vial: 7
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	46617	1.04 ug/L		96
43)	Trichloroethene	7.65	130	38786	1.01 ug/L		97
44)	n-Butyl alcohol	7.60	41	35150	84.13 ug/L		94
45)	Methylcyclohexane	7.85	55	35759	1.00 ug/L	#	77
46)	1,2-Dichloropropane	7.90	63	39457	1.15 ug/L		94
47)	Dibromomethane	8.05	174	25650	1.08 ug/L		98
48)	1,4-Dioxane	8.05	88	7603	26.41 ug/L		96
49)	Bromodichloromethane	8.23	83	40355	0.98 ug/L		95
50)	2-Chloroethyl Vinyl Ether	8.54	63	12141	4.24 ug/L		80
51)	cis-1,3-Dichloropropene	8.71	75	45716	0.95 ug/L		98
52)	4-Methyl-2-pentanone	8.87	85	22992	4.82 ug/L		97
54)	Toluene	9.09	91	147093	1.00 ug/L		99
55)	trans-1,3-Dichloropropene	9.34	75	41068	0.95 ug/L		95
56)	1,1,2-Trichloroethane	9.57	97	29287	0.97 ug/L		98
57)	Tetrachloroethene	9.73	164	32993	1.07 ug/L		99
58)	1,3-Dichloropropane	9.75	76	47655	0.97 ug/L		95
59)	2-Hexanone	9.83	85	9830	4.35 ug/L		96
60)	Dibromochloromethane	10.03	129	25845	0.88 ug/L		97
61)	1,2-Dibromoethane	10.16	107	28188	0.95 ug/L		94
64)	Chlorobenzene	10.72	112	108239	1.08 ug/L		95
65)	1,1,1,2-Tetrachloroethane	10.82	131	30002	0.96 ug/L		93
66)	Ethylbenzene	10.83	91	156420	1.01 ug/L		95
67)	m,p-Xylene	10.97	106	120253	1.94 ug/L		96
68)	o-Xylene	11.45	91	117496	0.97 ug/L		96
69)	Styrene	11.47	104	81566	0.87 ug/L		89
70)	Bromoform	11.71	173	13732	0.88 ug/L		86
71)	Isopropylbenzene	11.88	105	132504	0.94 ug/L		98
73)	Bromobenzene	12.27	156	43583	1.03 ug/L		93
74)	1,1,2,2-Tetrachloroethane	12.27	83	55142+	0.98 ug/L		99
75)	1,2,3-Trichloropropane	12.30	110	10744	1.03 ug/L		88
76)	n-Propylbenzene	12.38	91	170705	0.96 ug/L		96
77)	2-Chlorotoluene	12.50	126	39041	1.01 ug/L		95
78)	4-Chlorotoluene	12.62	126	39758	0.99 ug/L		90
79)	1,3,5-Trimethylbenzene	12.58	105	106371	0.92 ug/L		97
80)	t-Butylbenzene	12.98	119	93194	0.95 ug/L		96
81)	1,2,4-Trimethylbenzene	13.04	105	109588	0.92 ug/L		98
82)	sec-Butylbenzene	13.25	105	117484	0.91 ug/L		98
83)	4-Isopropyltoluene	13.42	119	102417	0.90 ug/L		97
84)	1,3-Dichlorobenzene	13.40	146	76502	1.00 ug/L		98
86)	1,4-Dichlorobenzene	13.51	146	84794	1.08 ug/L		95
87)	n-Butylbenzene	13.92	134	23900	0.95 ug/L		99
88)	1,2-Dichlorobenzene	13.97	146	75783	1.02 ug/L		99
89)	1,2-Dibromo-3-chloropropan	14.93	75	5501	1.07 ug/L	#	72
90)	1,3,5-Trichlorobenzene	15.18	180	49983	1.01 ug/L		98
91)	1,2,4-Trichlorobenzene	15.95	180	45211	0.95 ug/L		97
92)	Hexachlorobutadiene	16.15	225	19153	1.06 ug/L		91
93)	Naphthalene	16.26	128	92630	0.89 ug/L		98
94)	1,2,3-Trichlorobenzene	16.56	180	44925	0.98 ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

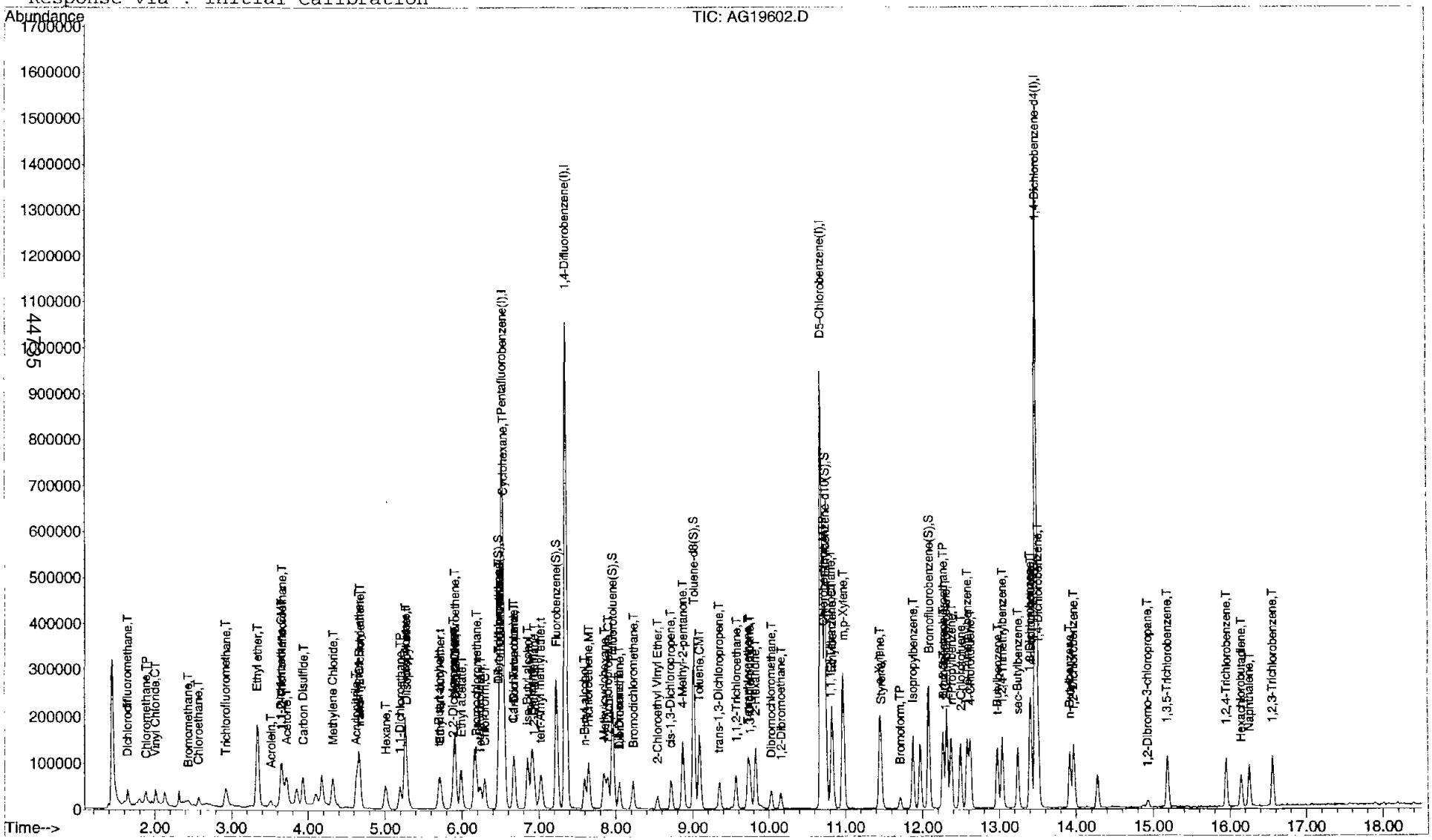
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19602.D
Acq On : 23 Nov 2004 12:46 pm
Sample : 1.0 ug/L I-cal
Misc : water 12496311
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:50 2004

Vial: 7
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



00347

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19603.D Vial: 8
Acq On : 23 Nov 2004 1:12 pm Operator: frz
Sample : 2.0 ug/L I-cal Inst : VOAInst#3
Misc : water 12496312 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:24 2004 Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	817055	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.36	114	1221400	10.00	ug/L	0.01
62) D5-Chlorobenzene(I)	10.68	119	233977	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	537608	10.00	ug/L	0.00

System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	163034	4.76	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	47.60%#	
40) Fluorobenzene(S)	7.23	96	653969	5.13	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	51.30%#	
42) Trifluorotoluene(S)	7.96	146	293613	4.90	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery	=	49.00%#	
53) Toluene-d8(S)	9.02	98	618923	5.13	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	=	51.30%#	
63) Ethylbenzene-d10(S)	10.74	98	731626	5.08	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	=	50.80%#	
72) Bromofluorobenzene(S)	12.09	174	214214	4.97	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	49.70%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	63642	1.93	ug/L	97
3) Chloromethane	1.88	50	73238	1.99	ug/L	94
4) Vinyl Chloride	2.00	62	67625	1.93	ug/L	99
5) Bromomethane	2.44	94	11392	1.92	ug/L	84
6) Chloroethane	2.57	64	41168	2.01	ug/L	97
7) Trichlorofluoromethane	2.92	101	93104	1.95	ug/L	95
8) Acrolein	3.50	56	33647	9.95	ug/L	99
9) Ethyl ether	3.33	59	270907	10.03	ug/L	97
10) 1,1-Dichloroethene	3.65	96	56055	1.90	ug/L	98
11) 1,1,2-Trichlorotrifluoroet	3.66	151	54554	2.00	ug/L	90
12) Carbon Disulfide	3.94	76	200225	1.89	ug/L	99
13) Acetone	3.72	43	213922	11.32	ug/L	98
14) tert-Butyl alcohol	5.72	59	181431	9.71	ug/L	99
15) Methylene Chloride	4.33	49	83910	1.95	ug/L	96
16) Methyl tert-Butyl ether	4.66	73	168598	2.12	ug/L	95
17) trans-1,2-Dichloroethene	4.68	96	67667	1.99	ug/L	98
18) Acrylonitrile	4.63	53	108476	10.29	ug/L	100
19) Hexane	5.01	56	39569	2.01	ug/L	94
20) Diisopropyl ether	5.28	45	218449	2.03	ug/L	99
21) 1,1-Dichloroethane	5.20	63	107639	1.91	ug/L	98
22) Vinyl Acetate	5.27	43	635043	10.15	ug/L #	100
23) Ethyl tert-butyl ether	5.72	87	83294	2.06	ug/L	89
24) 2,2-Dichloropropane	5.90	77	77897	1.90	ug/L	98
25) cis-1,2-Dichloroethene	5.91	96	73236	1.97	ug/L	88
26) 2-Butanone	5.91	57	17244	11.15	ug/L #	82
27) Ethyl acetate	5.99	45	40573	10.33	ug/L	90
28) Tetrahydrofuran	6.24	71	33359	10.38	ug/L	96
29) Bromochloromethane	6.19	49	59668	2.17	ug/L	99
30) Chloroform	6.30	85	73834	2.00	ug/L	93
31) 1,1,1-Trichloroethane	6.48	97	91691	1.92	ug/L	81
32) Cyclohexane	6.54	56	114102	1.97	ug/L	89
34) Carbon Tetrachloride	6.68	119	74941	1.96	ug/L	99
35) 1,1-Dichloropropene	6.67	75	85633	1.97	ug/L	98
36) tert-Amyl methyl ether	7.02	73	162481	1.94	ug/L	97
37) Benzene	6.91	78	261066	1.96	ug/L	97
38) iso-Butyl alcohol	6.85	43	189827	189.73	ug/L	98

44737

(#) = qualifier out of range (m) = manual integration

00348

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19603.D
Acq On : 23 Nov 2004 1:12 pm
Sample : 2.0 ug/L I-cal
Misc : water 12496312
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:24 2004

Vial: 8
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	88215	2.00 ug/L		95
43)	Trichloroethene	7.65	130	76345	1.99 ug/L		97
44)	n-Butyl alcohol	7.60	41	76451	183.03 ug/L		97
45)	Methylcyclohexane	7.85	55	72566	2.03 ug/L		94
46)	1,2-Dichloropropane	7.90	63	66809	1.96 ug/L		96
47)	Dibromomethane	8.05	174	45722	1.93 ug/L		98
48)	1,4-Dioxane	8.05	88	13269	46.10 ug/L		85
49)	Bromodichloromethane	8.23	83	76609	1.86 ug/L		96
50)	2-Chloroethyl Vinyl Ether	8.54	63	33152	8.38 ug/L		85
51)	cis-1,3-Dichloropropene	8.71	75	88047	1.84 ug/L		98
52)	4-Methyl-2-pentanone	8.87	85	47043	9.86 ug/L	#	91
54)	Toluene	9.09	91	287583	1.96 ug/L		99
55)	trans-1,3-Dichloropropene	9.35	75	79285	1.83 ug/L		97
56)	1,1,2-Trichloroethane	9.56	97	59213	1.96 ug/L		97
57)	Tetrachloroethene	9.73	164	57162	1.85 ug/L		89
58)	1,3-Dichloropropane	9.75	76	97858	1.98 ug/L		99
59)	2-Hexanone	9.83	85	22113	9.79 ug/L	#	89
60)	Dibromochloromethane	10.03	129	55317	1.88 ug/L		94
61)	1,2-Dibromoethane	10.16	107	57369	1.94 ug/L		98
64)	Chlorobenzene	10.72	112	195017	1.96 ug/L		92
65)	1,1,1,2-Tetrachloroethane	10.82	131	58887	1.89 ug/L		100
66)	Ethylbenzene	10.83	91	306045	1.98 ug/L		99
67)	m,p-Xylene	10.97	106	238049	3.86 ug/L		98
68)	o-Xylene	11.45	91	234740	1.94 ug/L		95
69)	Styrene	11.47	104	169291	1.82 ug/L		87
70)	Bromoform	11.71	173	30073	1.77 ug/L		93
71)	Isopropylbenzene	11.88	105	261039	1.86 ug/L		99
73)	Bromobenzene	12.27	156	83329	1.98 ug/L		97
74)	1,1,2,2-Tetrachloroethane	12.26	83	110428+	1.97 ug/L		98
75)	1,2,3-Trichloropropane	12.32	110	21830	2.10 ug/L		94
76)	n-Propylbenzene	12.38	91	333238	1.88 ug/L		98
77)	2-Chlorotoluene	12.50	126	72386	1.88 ug/L		96
78)	4-Chlorotoluene	12.63	126	79255	1.97 ug/L		91
79)	1,3,5-Trimethylbenzene	12.58	105	213382	1.85 ug/L		98
80)	t-Butylbenzene	12.98	119	184792	1.90 ug/L		96
81)	1,2,4-Trimethylbenzene	13.04	105	222403	1.87 ug/L		98
82)	sec-Butylbenzene	13.25	105	243992	1.90 ug/L		100
83)	4-Isopropyltoluene	13.42	119	214327	1.88 ug/L		99
84)	1,3-Dichlorobenzene	13.40	146	153237	2.01 ug/L		99
86)	1,4-Dichlorobenzene	13.51	146	155552	1.92 ug/L		94
87)	n-Butylbenzene	13.92	134	43376	1.67 ug/L	#	85
88)	1,2-Dichlorobenzene	13.97	146	148354	1.94 ug/L		99
89)	1,2-Dibromo-3-chloropropan	14.93	75	9449	1.80 ug/L	#	76
90)	1,3,5-Trichlorobenzene	15.19	180	93455	1.84 ug/L		97
91)	1,2,4-Trichlorobenzene	15.95	180	91980	1.88 ug/L		100
92)	Hexachlorobutadiene	16.15	225	37166	1.99 ug/L		98
93)	Naphthalene	16.26	128	185309	1.73 ug/L		95
94)	1,2,3-Trichlorobenzene	16.56	180	91248	1.94 ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

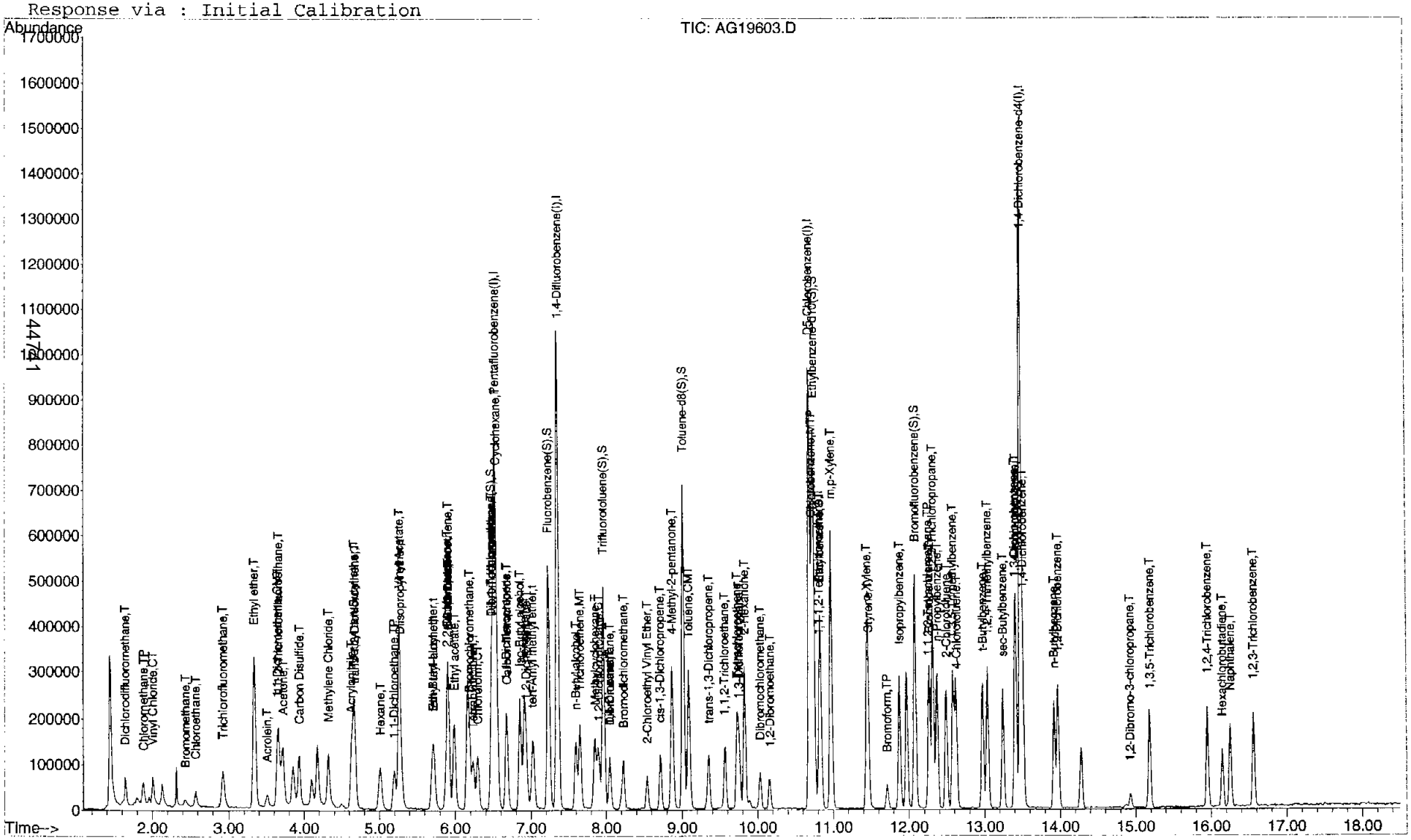
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19603.D
Acq On : 23 Nov 2004 1:12 pm
Sample : 2.0 ug/L I-cal
Misc : water 12496312
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:50 2004

Vial: 8
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19604.D Vial: 9
Acq On : 23 Nov 2004 1:38 pm Operator: frz
Sample : 5.0 ug/L I-cal Inst : VOAInst#3
Misc : water 12496313 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:31 2004 Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	829262	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.36	114	1232526	10.00	ug/L	0.01
62) D5-Chlorobenzene(I)	10.68	119	239965	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	535287	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	434734	12.50	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 125.00%#			
40) Fluorobenzene(S)	7.23	96	1679857	12.98	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 129.80%#			
42) Trifluorotoluene(S)	7.96	146	765052	12.64	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 126.40%#			
53) Toluene-d8(S)	9.02	98	1619246	13.30	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 133.00%#			
63) Ethylbenzene-d10(S)	10.74	98	1929039	13.07	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 130.70%#			
72) Bromofluorobenzene(S)	12.09	174	563707	12.75	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 127.50%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	177742	5.32	ug/L	98
3) Chloromethane	1.88	50	165177	4.61	ug/L	99
4) Vinyl Chloride	2.00	62	190939	5.38	ug/L	100
5) Bromomethane	2.43	94	30901	5.14	ug/L	91
6) Chloroethane	2.57	64	99099	4.76	ug/L	92
7) Trichlorofluoromethane	2.92	101	255315	5.28	ug/L	97
8) Acrolein	3.50	56	86745	25.29	ug/L	98
9) Ethyl ether	3.33	59	720646	26.28	ug/L	98
10) 1,1-Dichloroethene	3.65	96	151319	5.04	ug/L	99
11) 1,1,2-Trichlorotrifluoroet	3.67	151	144207	5.22	ug/L	92
12) Carbon Disulfide	3.94	76	547463	5.08	ug/L	98
13) Acetone	3.71	43	454406	23.70	ug/L	98
14) tert-Butyl alcohol	5.72	59	481151	25.37	ug/L	96
15) Methylene Chloride	4.32	49	219098	5.00	ug/L	97
16) Methyl tert-Butyl ether	4.66	73	425474	5.26	ug/L	95
17) trans-1,2-Dichloroethene	4.68	96	177771	5.16	ug/L	96
18) Acrylonitrile	4.63	53	277851	25.96	ug/L	98
19) Hexane	5.01	56	100996	5.06	ug/L	90
20) Diisopropyl ether	5.28	45	575132	5.27	ug/L	99
21) 1,1-Dichloroethane	5.20	63	289714	5.06	ug/L	98
22) Vinyl Acetate	5.27	43	1816780	28.61	ug/L #	99
23) Ethyl tert-butyl ether	5.72	87	206959	5.05	ug/L	96
24) 2,2-Dichloropropane	5.88	77	212494	5.12	ug/L	98
25) cis-1,2-Dichloroethene	5.91	96	194002	5.15	ug/L	91
26) 2-Butanone	5.91	57	39332	25.05	ug/L #	76
27) Ethyl acetate	5.98	45	102619	25.73	ug/L	96
28) Tetrahydrofuran	6.23	71	86537	26.54	ug/L	92
29) Bromochloromethane	6.19	49	149188	5.34	ug/L	98
30) Chloroform	6.30	85	191106	5.09	ug/L	91
31) 1,1,1-Trichloroethane	6.48	97	247199	5.10	ug/L	91
32) Cyclohexane	6.54	56	288890	4.90	ug/L	95
34) Carbon Tetrachloride	6.68	119	197666	5.10	ug/L	99
35) 1,1-Dichloropropene	6.67	75	222274	5.04	ug/L	97
36) tert-Amyl methyl ether	7.02	73	432946	5.09	ug/L	97
37) Benzene	6.91	78	690473	5.11	ug/L	96
38) iso-Butyl alcohol	6.85	43	532170	524.06	ug/L	99

44743

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19604.D
Acq On : 23 Nov 2004 1:38 pm
Sample : 5.0 ug/L I-cal
Misc : water 12496313
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:31 2004

Vial: 9
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39)	1,2-Dichloroethane	6.94	62	232938	5.19	ug/L	95
43)	Trichloroethene	7.65	130	193932	5.01	ug/L	96
44)	n-Butyl alcohol	7.59	41	222647	528.23	ug/L	97
45)	Methylcyclohexane	7.85	55	182693	5.06	ug/L	98
46)	1,2-Dichloropropane	7.90	63	170937	4.96	ug/L	95
47)	Dibromomethane	8.05	174	119614	5.00	ug/L	97
48)	1,4-Dioxane	8.05	88	36134	124.41	ug/L	83
49)	Bromodichloromethane	8.23	83	206776	4.98	ug/L	98
50)	2-Chloroethyl Vinyl Ether	8.54	63	118744	24.55	ug/L	99
51)	cis-1,3-Dichloropropene	8.71	75	242377	5.02	ug/L	99
52)	4-Methyl-2-pentanone	8.87	85	127748	26.54	ug/L	98
54)	Toluene	9.09	91	738629	4.98	ug/L	99
55)	trans-1,3-Dichloropropene	9.35	75	228334	5.21	ug/L	97
56)	1,1,2-Trichloroethane	9.57	97	158721	5.20	ug/L	97
57)	Tetrachloroethene	9.73	164	161339	5.18	ug/L	97
58)	1,3-Dichloropropane	9.75	76	250004	5.02	ug/L	98
59)	2-Hexanone	9.83	85	57535	25.23	ug/L	99
60)	Dibromochloromethane	10.03	129	148781	5.00	ug/L	92
61)	1,2-Dibromoethane	10.15	107	156182	5.24	ug/L	98
64)	Chlorobenzene	10.72	112	512083	5.01	ug/L	95
65)	1,1,1,2-Tetrachloroethane	10.82	131	155532	4.87	ug/L	98
66)	Ethylbenzene	10.83	91	809572	5.10	ug/L	100
67)	m,p-Xylene	10.97	106	646302	10.22	ug/L	98
68)	o-Xylene	11.45	91	623777	5.03	ug/L	95
69)	Styrene	11.47	104	481653	5.05	ug/L	88
70)	Bromoform	11.71	173	87770	4.74	ug/L	96
71)	Isopropylbenzene	11.88	105	736766	5.12	ug/L	100
73)	Bromobenzene	12.27	156	215994	4.99	ug/L	98
74)	1,1,2,2-Tetrachloroethane	12.27	83	300033+	5.22	ug/L	100
75)	1,2,3-Trichloropropane	12.32	110	57112	5.36	ug/L	93
76)	n-Propylbenzene	12.38	91	931839	5.14	ug/L	97
77)	2-Chlorotoluene	12.50	126	197864	5.00	ug/L	97
78)	4-Chlorotoluene	12.62	126	204573	4.97	ug/L	85
79)	1,3,5-Trimethylbenzene	12.58	105	612543	5.17	ug/L	99
80)	t-Butylbenzene	12.98	119	493836	4.95	ug/L	96
81)	1,2,4-Trimethylbenzene	13.04	105	639952	5.24	ug/L	97
82)	sec-Butylbenzene	13.25	105	665371	5.04	ug/L	98
83)	4-Isopropyltoluene	13.42	119	604181	5.18	ug/L	98
84)	1,3-Dichlorobenzene	13.40	146	394276	5.04	ug/L	99
86)	1,4-Dichlorobenzene	13.51	146	409633	5.08	ug/L	97
87)	n-Butylbenzene	13.92	134	138964	5.39	ug/L	99
88)	1,2-Dichlorobenzene	13.97	146	391476	5.15	ug/L	98
89)	1,2-Dibromo-3-chloropropan	14.93	75	25021	4.77	ug/L	90
90)	1,3,5-Trichlorobenzene	15.18	180	259233	5.12	ug/L	96
91)	1,2,4-Trichlorobenzene	15.95	180	249396	5.12	ug/L	98
92)	Hexachlorobutadiene	16.15	225	90819	4.89	ug/L	99
93)	Naphthalene	16.26	128	527667	4.95	ug/L	97
94)	1,2,3-Trichlorobenzene	16.56	180	231039	4.93	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

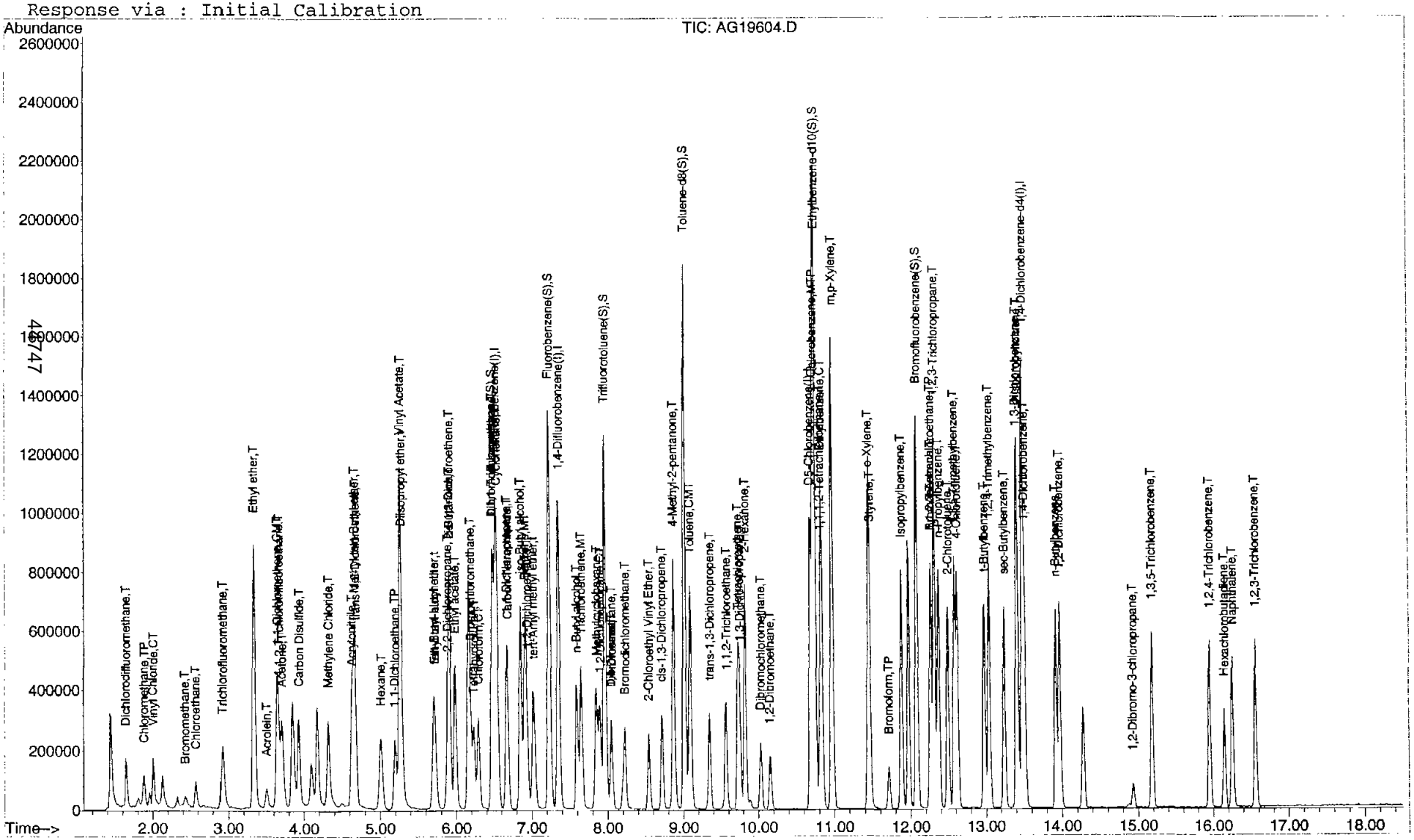
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19604.D
Acq On : 23 Nov 2004 1:38 pm
Sample : 5.0 ug/L I-cal
Misc : water 12496313
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:50 2004

Vial: 9
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19605.D Vial: 10
Acq On : 23 Nov 2004 2:04 pm Operator: frz
Sample : 10 ug/L I-cal Inst : VOAInst#3
Misc : water 12496314 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:39 2004 Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	839713	10.00 ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.36	114	1223111	10.00 ug/L	0.01
62) D5-Chlorobenzene(I)	10.68	119	238128	10.00 ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	551530	10.00 ug/L	0.00
System Monitoring Compounds					
33) Dibromofluoromethane(S)	6.48	111	887425	25.19 ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 251.90%#		
40) Fluorobenzene(S)	7.24	96	3404192	25.99 ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 259.90%#		
42) Trifluorotoluene(S)	7.96	146	1553912	25.88 ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 258.80%#		
53) Toluene-d8(S)	9.02	98	3278298	27.13 ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 271.30%#		
63) Ethylbenzene-d10(S)	10.74	98	4011597	27.39 ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 273.90%#		
72) Bromofluorobenzene(S)	12.09	174	1127826	25.71 ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 257.10%#		

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.64	85	351526	10.39 ug/L	98
3) Chloromethane	1.88	50	329737	9.24 ug/L	99
4) Vinyl Chloride	2.00	62	373131	10.38 ug/L	98
5) Bromomethane	2.43	94	68157	11.21 ug/L	95
6) Chloroethane	2.57	64	199900	9.49 ug/L	92
7) Trichlorofluoromethane	2.92	101	506898	10.35 ug/L	98
8) Acrolein	3.50	56	177547	51.11 ug/L	98
9) Ethyl ether	3.33	59	1422577	51.23 ug/L	96
10) 1,1-Dichloroethene	3.65	96	297295	9.79 ug/L	97
11) 1,1,2-Trichlorotrifluoroet	3.67	151	297620	10.64 ug/L	89
12) Carbon Disulfide	3.94	76	1104167	10.12 ug/L	100
13) Acetone	3.71	43	982663	50.61 ug/L	100
14) tert-Butyl alcohol	5.72	59	965268	50.27 ug/L	95
15) Methylene Chloride	4.32	49	443670	10.01 ug/L	97
16) Methyl tert-Butyl ether	4.66	73	834093	10.19 ug/L	96
17) trans-1,2-Dichloroethene	4.68	96	350010	10.03 ug/L	96
18) Acrylonitrile	4.63	53	555621	51.27 ug/L	100
19) Hexane	5.01	56	207892	10.28 ug/L	87
20) Diisopropyl ether	5.28	45	1133162	10.25 ug/L	98
21) 1,1-Dichloroethane	5.20	63	585629	10.11 ug/L	98
22) Vinyl Acetate	5.27	43	3520532	54.76 ug/L	99
23) Ethyl tert-butyl ether	5.72	87	409130	9.86 ug/L	98
24) 2,2-Dichloropropane	5.90	77	425796	10.13 ug/L	97
25) cis-1,2-Dichloroethene	5.91	96	385111	10.10 ug/L	88
26) 2-Butanone	5.91	57	83087	52.25 ug/L #	78
27) Ethyl acetate	5.99	45	204701	50.69 ug/L	95
28) Tetrahydrofuran	6.23	71	172279	52.18 ug/L	97
29) Bromochloromethane	6.19	49	299943	10.60 ug/L	99
30) Chloroform	6.30	85	378892	9.96 ug/L	90
31) 1,1,1-Trichloroethane	6.49	97	496211	10.10 ug/L	96
32) Cyclohexane	6.54	56	577368	9.68 ug/L	94
34) Carbon Tetrachloride	6.68	119	406507	10.36 ug/L	99
35) 1,1-Dichloropropene	6.67	75	451321	10.10 ug/L	99
36) tert-Amyl methyl ether	7.02	73	867387	10.06 ug/L	96
37) Benzene	6.91	78	1380156	10.08 ug/L	96
38) iso-Butyl alcohol	6.85	43	1086221	1056.36 ug/L	97

44749

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19605.D
Acq On : 23 Nov 2004 2:04 pm
Sample : 10 ug/L I-cal
Misc : water 12496314
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:39 2004

Vial: 10
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39)	1,2-Dichloroethane	6.94	62	462346	10.18	ug/L	97
43)	Trichloroethene	7.65	130	390678	10.17	ug/L	96
44)	n-Butyl alcohol	7.59	41	470386	1124.58	ug/L	100
45)	Methylcyclohexane	7.85	55	383802	10.71	ug/L	94
46)	1,2-Dichloropropane	7.90	63	346597	10.13	ug/L	96
47)	Dibromomethane	8.05	174	252890	10.65	ug/L	96
48)	1,4-Dioxane	8.05	88	75470	261.85	ug/L	90
49)	Bromodichloromethane	8.23	83	425834	10.34	ug/L	97
50)	2-Chloroethyl Vinyl Ether	8.54	63	279021	53.58	ug/L	96
51)	cis-1,3-Dichloropropene	8.71	75	508850	10.61	ug/L	100
52)	4-Methyl-2-pentanone	8.87	85	257446	53.89	ug/L	94
54)	Toluene	9.09	91	1525806	10.38	ug/L	99
55)	trans-1,3-Dichloropropene	9.35	75	463165	10.65	ug/L	99
56)	1,1,2-Trichloroethane	9.56	97	303733	10.03	ug/L	99
57)	Tetrachloroethene	9.73	164	330453	10.68	ug/L	98
58)	1,3-Dichloropropane	9.75	76	509511	10.31	ug/L	99
59)	2-Hexanone	9.83	85	123531	54.60	ug/L	98
60)	Dibromochloromethane	10.03	129	315887	10.70	ug/L	94
61)	1,2-Dibromoethane	10.16	107	313370	10.59	ug/L	98
64)	Chlorobenzene	10.72	112	1027187	10.13	ug/L	94
65)	1,1,1,2-Tetrachloroethane	10.82	131	325439	10.28	ug/L	97
66)	Ethylbenzene	10.83	91	1644856	10.43	ug/L	100
67)	m,p-Xylene	10.97	106	1339729	21.35	ug/L	99
68)	o-Xylene	11.45	91	1295699	10.52	ug/L	95
69)	Styrene	11.47	104	1048166	11.07	ug/L	90
70)	Bromoform	11.71	173	186396	9.86	ug/L	92
71)	Isopropylbenzene	11.88	105	1526107	10.68	ug/L	99
73)	Bromobenzene	12.27	156	441465	10.29	ug/L	97
74)	1,1,2,2-Tetrachloroethane	12.27	83	607208+	10.65	ug/L	99
75)	1,2,3-Trichloropropane	12.32	110	116399	11.01	ug/L	96
76)	n-Propylbenzene	12.38	91	1925701	10.70	ug/L	97
77)	2-Chlorotoluene	12.50	126	398446	10.15	ug/L	98
78)	4-Chlorotoluene	12.62	126	425533	10.41	ug/L	91
79)	1,3,5-Trimethylbenzene	12.58	105	1266897	10.78	ug/L	97
80)	t-Butylbenzene	12.98	119	1051310	10.61	ug/L	94
81)	1,2,4-Trimethylbenzene	13.04	105	1289190	10.64	ug/L	98
82)	sec-Butylbenzene	13.25	105	1399196	10.69	ug/L	99
83)	4-Isopropyltoluene	13.42	119	1255064	10.84	ug/L	99
84)	1,3-Dichlorobenzene	13.40	146	810790	10.44	ug/L	99
86)	1,4-Dichlorobenzene	13.51	146	827889	9.97	ug/L	98
87)	n-Butylbenzene	13.92	134	285832	10.75	ug/L	96
88)	1,2-Dichlorobenzene	13.97	146	791066	10.09	ug/L	98
89)	1,2-Dibromo-3-chloropropan	14.93	75	54427	10.08	ug/L	88
90)	1,3,5-Trichlorobenzene	15.18	180	537236	10.29	ug/L	98
91)	1,2,4-Trichlorobenzene	15.95	180	511888	10.21	ug/L	98
92)	Hexachlorobutadiene	16.15	225	192703	10.07	ug/L	96
93)	Naphthalene	16.26	128	1174900	10.69	ug/L	98
94)	1,2,3-Trichlorobenzene	16.56	180	488878	10.13	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

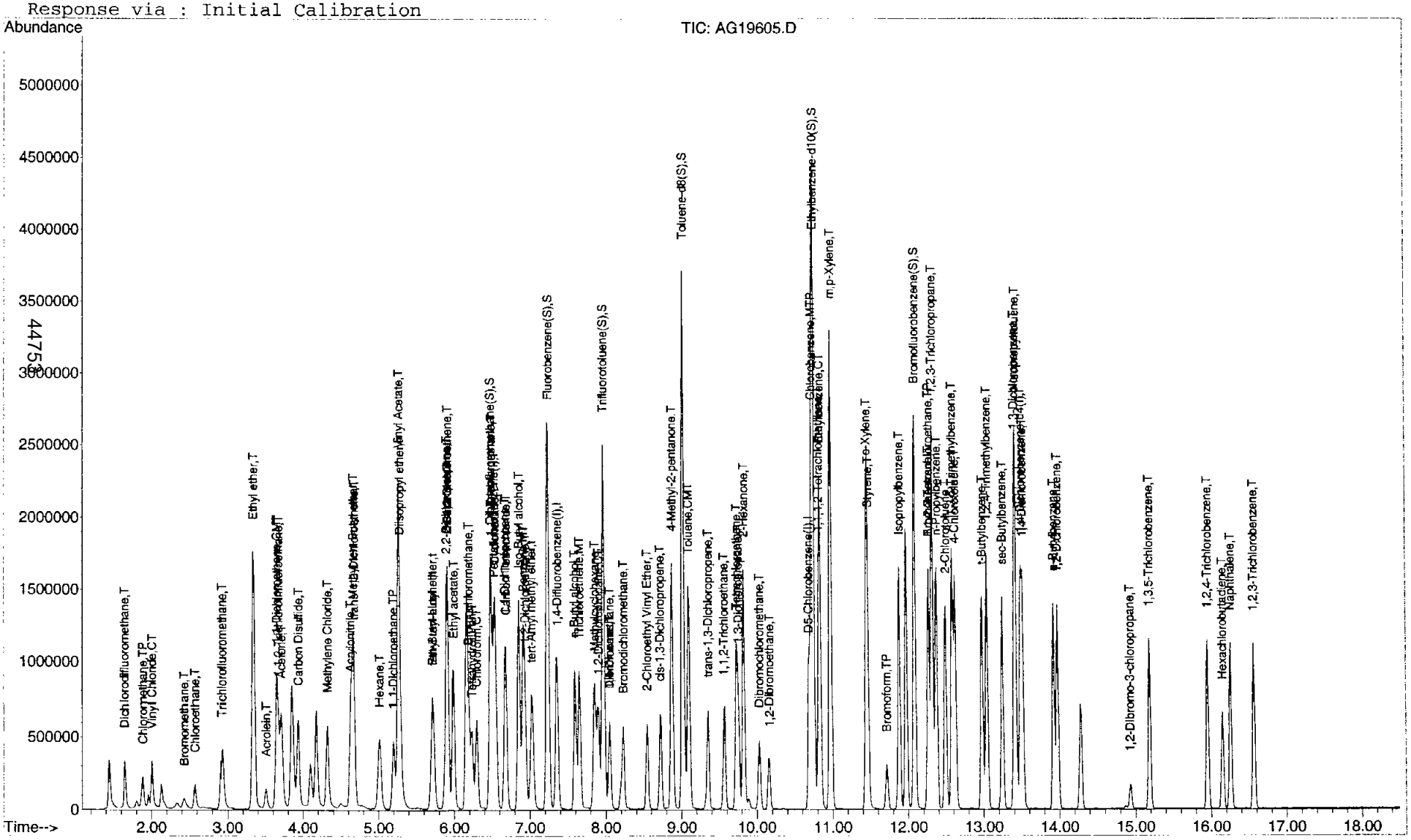
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19605.D
Acq On : 23 Nov 2004 2:04 pm
Sample : 10 ug/L I-cal
Misc : water 12496314
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:50 2004

Vial: 10
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



00356

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19606.D
Acq On : 23 Nov 2004 2:30 pm
Sample : 20 ug/L I-cal
Misc : water 12496315
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:47 2004

Vial: 11
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	847801	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.36	114	1264535	10.00	ug/L	0.01
62) D5-Chlorobenzene(I)	10.68	119	243856	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	555038	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	1794770	50.46	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 504.60%#			
40) Fluorobenzene(S)	7.24	96	6830778	51.64	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 516.40%#			
42) Trifluorotoluene(S)	7.96	146	3102228	49.98	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 499.80%#			
53) Toluene-d8(S)	9.02	98	6527167	52.24	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 522.40%#			
63) Ethylbenzene-d10(S)	10.74	98	7989343	53.27	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 532.70%#			
72) Bromofluorobenzene(S)	12.09	174	2302483	51.26	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 512.60%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	686923	20.11	ug/L	99
3) Chloromethane	1.88	50	662523	18.53	ug/L	100
4) Vinyl Chloride	2.00	62	737070	20.31	ug/L	99
5) Bromomethane	2.41	94	215883	35.15	ug/L	98
6) Chloroethane	2.56	64	411607	19.35	ug/L	90
7) Trichlorofluoromethane	2.92	101	1007452	20.37	ug/L	97
8) Acrolein	3.50	56	343267	97.87	ug/L	97
9) Ethyl ether	3.33	59	2853966	101.80	ug/L	96
10) 1,1-Dichloroethene	3.65	96	613668	20.01	ug/L	98
11) 1,1,2-Trichlorotrifluoroet	3.66	151	578216	20.48	ug/L	90
12) Carbon Disulfide	3.94	76	2240510	20.34	ug/L	99
13) Acetone	3.71	43	1850724	94.40	ug/L	100
14) tert-Butyl alcohol	5.72	59	2003575	103.34	ug/L	94
15) Methylene Chloride	4.32	49	871243	19.47	ug/L	97
16) Methyl tert-Butyl ether	4.66	73	1630889	19.73	ug/L	97
17) trans-1,2-Dichloroethene	4.68	96	701205	19.90	ug/L	96
18) Acrylonitrile	4.63	53	1081775	98.87	ug/L	99
19) Hexane	5.01	56	406290	19.90	ug/L	89
20) Diisopropyl ether	5.28	45	2249698	20.15	ug/L	99
21) 1,1-Dichloroethane	5.20	63	1175600	20.10	ug/L	98
22) Vinyl Acetate	5.27	43	7312869	112.66	ug/L	100
23) Ethyl tert-butyl ether	5.72	87	848883	20.26	ug/L	97
24) 2,2-Dichloropropane	5.90	77	861830	20.30	ug/L	97
25) cis-1,2-Dichloroethene	5.91	96	786729	20.43	ug/L	91
26) 2-Butanone	5.91	57	156602	97.55	ug/L #	73
27) Ethyl acetate	5.99	45	398707	97.80	ug/L	96
28) Tetrahydrofuran	6.23	71	332081	99.62	ug/L	92
29) Bromochloromethane	6.19	49	591193	20.69	ug/L	98
30) Chloroform	6.30	85	759280	19.77	ug/L	92
31) 1,1,1-Trichloroethane	6.49	97	1015849	20.49	ug/L	99
32) Cyclohexane	6.54	56	1115076	18.51	ug/L	94
34) Carbon Tetrachloride	6.68	119	836739	21.13	ug/L	98
35) 1,1-Dichloropropene	6.67	75	919306	20.37	ug/L	98
36) tert-Amyl methyl ether	7.03	73	1800346	20.68	ug/L	95
37) Benzene	6.91	78	2769827	20.04	ug/L	96
38) iso-Butyl alcohol	6.85	43	2171560	2091.72	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19606.D
Acq On : 23 Nov 2004 2:30 pm
Sample : 20 ug/L I-cal
Misc : water 12496315
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:47 2004

Vial: 11
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39)	1,2-Dichloroethane	6.94	62	941146	20.53	ug/L	99
43)	Trichloroethene	7.65	130	784742	19.76	ug/L	95
44)	n-Butyl alcohol	7.59	41	941094	2176.23	ug/L	99
45)	Methylcyclohexane	7.85	55	735984	19.87	ug/L	96
46)	1,2-Dichloropropane	7.90	63	708479	20.03	ug/L	99
47)	Dibromomethane	8.05	174	505589	20.60	ug/L	96
48)	1,4-Dioxane	8.05	88	150790	506.04	ug/L	93
49)	Bromodichloromethane	8.23	83	874446	20.53	ug/L	97
50)	2-Chloroethyl Vinyl Ether	8.54	63	571353	98.64	ug/L	99
51)	cis-1,3-Dichloropropene	8.71	75	1041215	21.00	ug/L	99
52)	4-Methyl-2-pentanone	8.87	85	526921	106.68	ug/L	98
54)	Toluene	9.09	91	3067456	20.18	ug/L	99
55)	trans-1,3-Dichloropropene	9.35	75	968448	21.54	ug/L	97
56)	1,1,2-Trichloroethane	9.57	97	612741	19.57	ug/L	99
57)	Tetrachloroethene	9.73	164	649515	20.31	ug/L	96
58)	1,3-Dichloropropane	9.75	76	1013219	19.83	ug/L	99
59)	2-Hexanone	9.83	85	243819	104.23	ug/L	97
60)	Dibromochloromethane	10.03	129	652649	21.39	ug/L	95
61)	1,2-Dibromoethane	10.15	107	632536	20.68	ug/L	99
64)	Chlorobenzene	10.72	112	2069015	19.92	ug/L	93
65)	1,1,1,2-Tetrachloroethane	10.82	131	674079	20.79	ug/L	98
66)	Ethylbenzene	10.83	91	3333372	20.65	ug/L	100
67)	m,p-Xylene	10.97	106	2670227	41.55	ug/L	97
68)	o-Xylene	11.45	91	2661729	21.11	ug/L	96
69)	Styrene	11.47	104	2154438	22.22	ug/L	90
70)	Bromoform	11.71	173	410642	20.49	ug/L	94
71)	Isopropylbenzene	11.88	105	3154850	21.56	ug/L	100
73)	Bromobenzene	12.27	156	887590	20.20	ug/L	96
74)	1,1,2,2-Tetrachloroethane	12.27	83	1201896+	20.59	ug/L	100
75)	1,2,3-Trichloropropane	12.32	110	217349	20.08	ug/L	93
76)	n-Propylbenzene	12.38	91	3899801	21.17	ug/L	97
77)	2-Chlorotoluene	12.50	126	808407	20.11	ug/L	100
78)	4-Chlorotoluene	12.62	126	864912	20.66	ug/L	91
79)	1,3,5-Trimethylbenzene	12.58	105	2605328	21.65	ug/L	99
80)	t-Butylbenzene	12.98	119	2166217	21.36	ug/L	94
81)	1,2,4-Trimethylbenzene	13.04	105	2688092	21.67	ug/L	97
82)	sec-Butylbenzene	13.25	105	2892498	21.58	ug/L	99
83)	4-Isopropyltoluene	13.42	119	2574122	21.72	ug/L	99
84)	1,3-Dichlorobenzene	13.40	146	1625639	20.43	ug/L	99
86)	1,4-Dichlorobenzene	13.51	146	1662676	19.89	ug/L	98
87)	n-Butylbenzene	13.92	134	586057	21.91	ug/L	93
88)	1,2-Dichlorobenzene	13.97	146	1586641	20.12	ug/L	97
89)	1,2-Dibromo-3-chloropropan	14.93	75	114119	21.00	ug/L	91
90)	1,3,5-Trichlorobenzene	15.18	180	1091912	20.78	ug/L	97
91)	1,2,4-Trichlorobenzene	15.95	180	1071820	21.23	ug/L	98
92)	Hexachlorobutadiene	16.15	225	382842	19.88	ug/L	94
93)	Naphthalene	16.26	128	2396312	21.66	ug/L	97
94)	1,2,3-Trichlorobenzene	16.56	180	1003699	20.66	ug/L	93

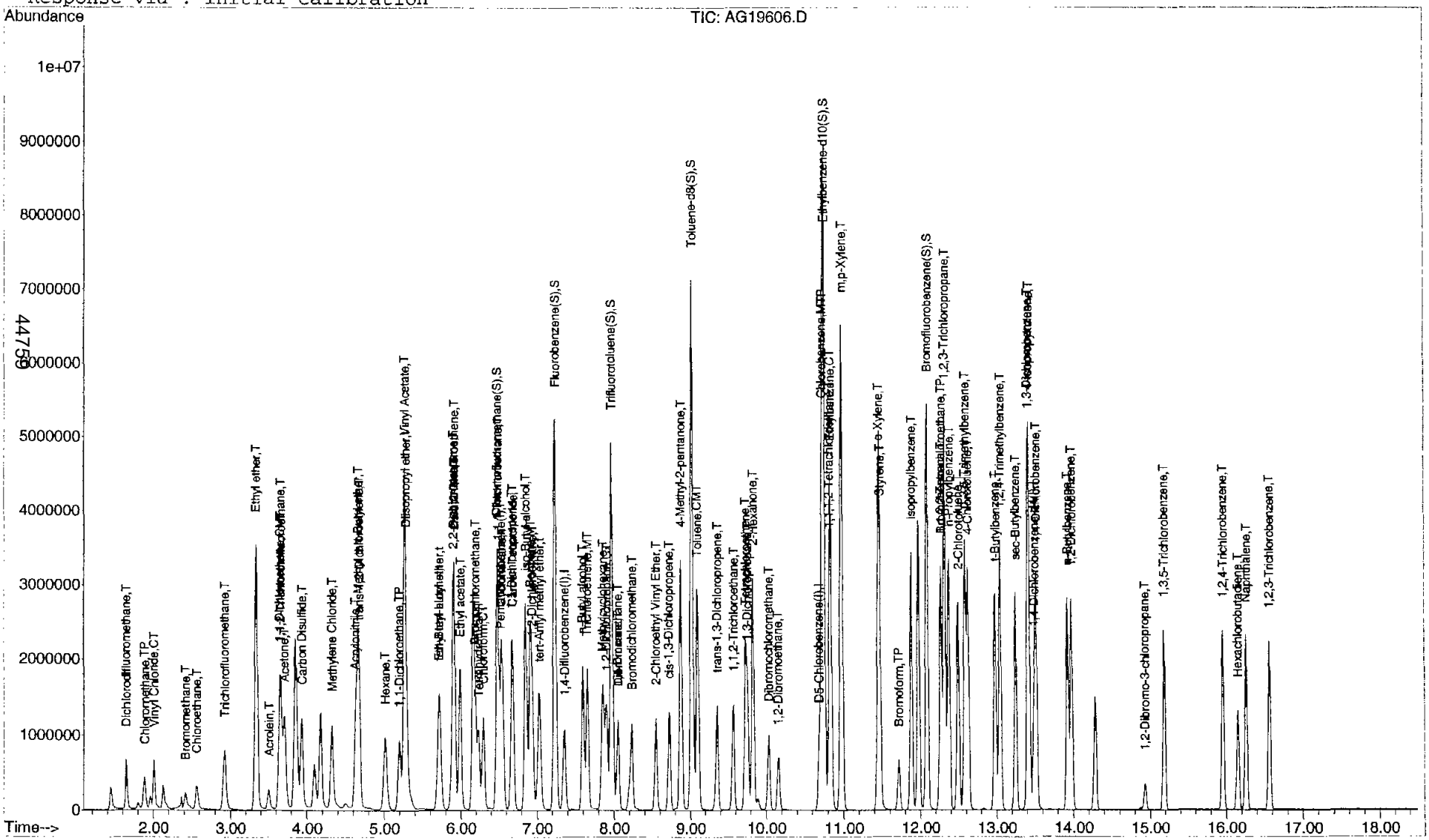
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19606.D
Acq On : 23 Nov 2004 2:30 pm
Sample : 20 ug/L I-cal
Misc : water 12496315
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:50 2004

Vial: 11
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



447559

00359

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19607.D Vial: 12
Acq On : 23 Nov 2004 2:56 pm Operator: frz
Sample : 40 ug/L I-cal Inst : VOAInst#3
Misc : water 12496316 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:55 2004 Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	881545	10.00 ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.36	114	1307039	10.00 ug/L	0.01
62) D5-Chlorobenzene(I)	10.68	119	254965	10.00 ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	591194	10.00 ug/L	0.00
System Monitoring Compounds					
33) Dibromofluoromethane(S)	6.48	111	3579325	96.78 ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	= 967.80%#	
40) Fluorobenzene(S)	7.24	96	13870622	100.86 ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	= 1008.60%#	
42) Trifluorotoluene(S)	7.96	146	6349721	98.97 ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery	= 989.70%#	
53) Toluene-d8(S)	9.02	98	13175618	102.02 ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	= 1020.20%#	
63) Ethylbenzene-d10(S)	10.74	98	16185608	103.21 ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	= 1032.10%#	
72) Bromofluorobenzene(S)	12.09	174	4640189	98.81 ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	= 988.10%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.64	85	1400511	39.43 ug/L	99
3) Chloromethane	1.88	50	1441531	38.93 ug/L	99
4) Vinyl Chloride	2.00	62	1532519	40.62 ug/L	99
5) Bromomethane	2.41	94	406135	63.60 ug/L	93
6) Chloroethane	2.55	64	857369	38.75 ug/L	91
7) Trichlorofluoromethane	2.91	101	2089865	40.63 ug/L	98
8) Acrolein	3.50	56	714724	195.98 ug/L	95
9) Ethyl ether	3.33	59	5609161	192.41 ug/L	97
10) 1,1-Dichloroethene	3.65	96	1235518	38.75 ug/L	99
11) 1,1,2-Trichlorotrifluoroet	3.66	151	1155563	39.36 ug/L	91
12) Carbon Disulfide	3.93	76	4598719	40.16 ug/L	99
13) Acetone	3.71	43	4021980	197.30 ug/L	100
14) tert-Butyl alcohol	5.72	59	4206921	208.68 ug/L #	93
15) Methylene Chloride	4.31	49	1733059	37.24 ug/L	97
16) Methyl tert-Butyl ether	4.66	73	3397475	39.52 ug/L	96
17) trans-1,2-Dichloroethene	4.68	96	1419774	38.75 ug/L	95
18) Acrylonitrile	4.63	53	2177944	191.43 ug/L	99
19) Hexane	5.01	56	813628	38.33 ug/L	89
20) Diisopropyl ether	5.28	45	4683788	40.35 ug/L	99
21) 1,1-Dichloroethane	5.20	63	2389399	39.28 ug/L	99
22) Vinyl Acetate	5.27	43	10978070	162.65 ug/L	100
23) Ethyl tert-butyl ether	5.72	87	1778529	40.81 ug/L #	97
24) 2,2-Dichloropropane	5.88	77	1766231	40.01 ug/L	98
25) cis-1,2-Dichloroethene	5.91	96	1564633	39.08 ug/L	91
26) 2-Butanone	5.91	57	325460	194.97 ug/L #	69
27) Ethyl acetate	5.98	45	797219	188.06 ug/L	98
28) Tetrahydrofuran	6.23	71	688330	198.58 ug/L	96
29) Bromochloromethane	6.19	49	1089686	36.68 ug/L	96
30) Chloroform	6.30	85	1542851	38.64 ug/L	90
31) 1,1,1-Trichloroethane	6.49	97	2068807	40.12 ug/L	99
32) Cyclohexane	6.54	56	2277078	36.36 ug/L	94
34) Carbon Tetrachloride	6.68	119	1716709	41.68 ug/L	98
35) 1,1-Dichloropropene	6.67	75	1845002	39.32 ug/L	97
36) tert-Amyl methyl ether	7.02	73	3767626	41.63 ug/L	94
37) Benzene	6.91	78	5577258	38.81 ug/L	96
38) iso-Butyl alcohol	6.85	43	4301795	3985.02 ug/L	98

(#) = qualifier out of range (m) = manual integration

00360

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19607.D
Acq On : 23 Nov 2004 2:56 pm
Sample : 40 ug/L I-cal
Misc : water 12496316
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:55 2004

Vial: 12
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	1891165	39.67	ug/L		97
43)	Trichloroethene	7.65	130	1687013	41.09	ug/L		94
44)	n-Butyl alcohol	7.59	41	1832846	4100.53	ug/L		98
45)	Methylcyclohexane	7.85	55	1507933	39.39	ug/L		95
46)	1,2-Dichloropropane	7.90	63	1452669	39.73	ug/L		99
47)	Dibromomethane	8.05	174	1009122	39.77	ug/L		96
48)	1,4-Dioxane	8.05	88	316311	1026.99	ug/L		92
49)	Bromodichloromethane	8.23	83	1809779	41.10	ug/L		96
50)	2-Chloroethyl Vinyl Ether	8.54	63	948723	148.38	ug/L		97
51)	cis-1,3-Dichloropropene	8.71	75	2162846	42.21	ug/L		99
52)	4-Methyl-2-pentanone	8.87	85	1053563	206.37	ug/L		96
54)	Toluene	9.09	91	6255750	39.81	ug/L		99
55)	trans-1,3-Dichloropropene	9.35	75	1989450	42.81	ug/L		99
56)	1,1,2-Trichloroethane	9.57	97	1248134	38.57	ug/L		99
57)	Tetrachloroethene	9.73	164	1336964	40.44	ug/L		96
58)	1,3-Dichloropropane	9.75	76	2081922	39.42	ug/L		98
59)	2-Hexanone	9.83	85	543895	224.95	ug/L	#	92
60)	Dibromochloromethane	10.03	129	1402315	44.46	ug/L		94
61)	1,2-Dibromoethane	10.16	107	1306609	41.32	ug/L		99
64)	Chlorobenzene	10.72	112	4123455	37.96	ug/L		93
65)	1,1,1,2-Tetrachloroethane	10.82	131	1392148	41.06	ug/L		97
66)	Ethylbenzene	10.83	91	6665971	39.49	ug/L		100
67)	m,p-Xylene	10.97	106	5417216	80.63	ug/L		98
68)	o-Xylene	11.45	91	5317553	40.33	ug/L		94
69)	Styrene	11.47	104	4412586	43.53	ug/L		90
70)	Bromoform	11.71	173	891270	40.35	ug/L		94
71)	Isopropylbenzene	11.88	105	6474277	42.31	ug/L		99
73)	Bromobenzene	12.27	156	1806098	39.31	ug/L		96
74)	1,1,2,2-Tetrachloroethane	12.26	83	2282882+	37.40	ug/L		99
75)	1,2,3-Trichloropropane	12.30	110	438661	38.75	ug/L		94
76)	n-Propylbenzene	12.38	91	8027701	41.67	ug/L		96
77)	2-Chlorotoluene	12.50	126	1671678	39.78	ug/L		98
78)	4-Chlorotoluene	12.62	126	1745001	39.87	ug/L		89
79)	1,3,5-Trimethylbenzene	12.58	105	5321283	42.30	ug/L		99
80)	t-Butylbenzene	12.98	119	4423278	41.71	ug/L		95
81)	1,2,4-Trimethylbenzene	13.04	105	5477608	42.23	ug/L		97
82)	sec-Butylbenzene	13.25	105	5920475	42.24	ug/L		99
83)	4-Isopropyltoluene	13.42	119	5337630	43.07	ug/L		98
84)	1,3-Dichlorobenzene	13.40	146	3319809	39.91	ug/L		99
86)	1,4-Dichlorobenzene	13.51	146	3369011	37.84	ug/L		98
87)	n-Butylbenzene	13.92	134	1220962	42.85	ug/L		94
88)	1,2-Dichlorobenzene	13.97	146	3213108	38.25	ug/L		98
89)	1,2-Dibromo-3-chloropropan	14.93	75	242409	41.88	ug/L		89
90)	1,3,5-Trichlorobenzene	15.18	180	2227754	39.80	ug/L		97
91)	1,2,4-Trichlorobenzene	15.95	180	2179712	40.54	ug/L		99
92)	Hexachlorobutadiene	16.15	225	777298	37.89	ug/L		98
93)	Naphthalene	16.26	128	4967323	42.16	ug/L		98
94)	1,2,3-Trichlorobenzene	16.56	180	2031044	39.25	ug/L		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

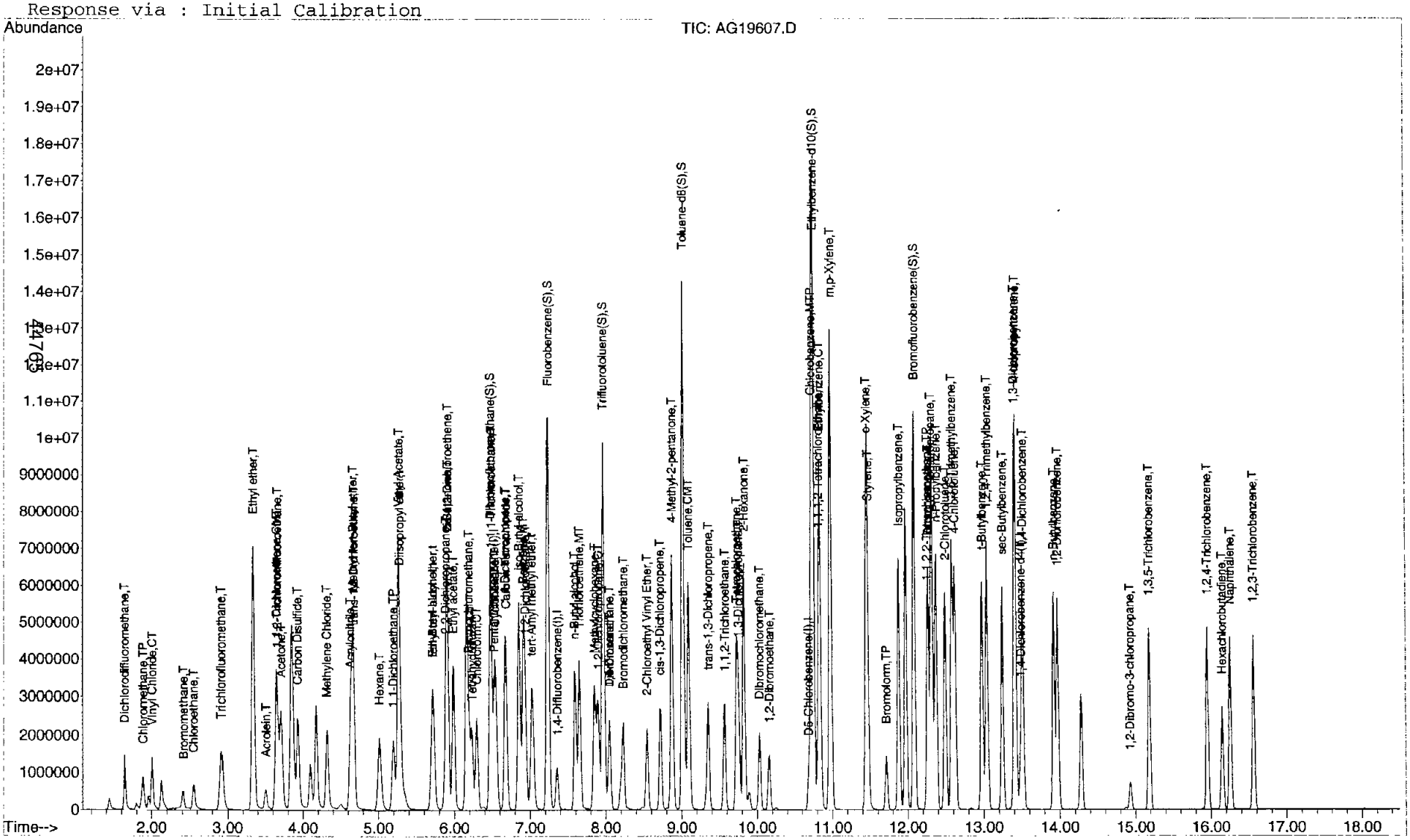
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19607.D
Acq On : 23 Nov 2004 2:56 pm
Sample : 40 ug/L I-cal
Misc : water 12496316
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:50 2004

Vial: 12
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19608.D
Acq On : 23 Nov 2004 3:22 pm
Sample : 100 ug/L I-cal
Misc : water 12496317
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:51:02 2004

Vial: 13
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	918715	10.00 ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.36	114	1359241	10.00 ug/L	0.01
62) D5-Chlorobenzene(I)	10.68	119	259463	10.00 ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	619319	10.00 ug/L	0.00

System Monitoring Compounds

33) Dibromofluoromethane(S)	6.48	111	9161607	237.69 ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	= 2376.90%#	
40) Fluorobenzene(S)	7.23	96	27481041	191.73 ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	= 1917.30%#	
42) Trifluorotoluene(S)	7.96	146	16444262	246.45 ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery	= 2464.50%#	
53) Toluene-d8(S)	9.00	98	25908700	192.91 ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	= 1929.10%#	
63) Ethylbenzene-d10(S)	10.73	98	26129292	163.73 ug/L	0.00
Spiked Amount 10.000	Range 89 - 109		Recovery	= 1637.30%#	
72) Bromofluorobenzene(S)	12.09	174	12141660	254.07 ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	= 2540.70%#	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.64	85	3495092	94.41 ug/L	99
3) Chloromethane	1.88	50	3987648	103.59 ug/L	100
4) Vinyl Chloride	2.00	62	3184035	80.98 ug/L	98
5) Bromomethane	2.39	94	527938	79.33 ug/L	97
6) Chloroethane	2.52	64	2169843	94.11 ug/L	93
7) Trichlorofluoromethane	2.90	101	5345577	99.72 ug/L	97
8) Acrolein	3.50	56	1859411	489.24 ug/L	98
9) Ethyl ether	3.33	59	13950961	459.21 ug/L	97
10) 1,1-Dichloroethene	3.64	96	3191076	96.03 ug/L	99
11) 1,1,2-Trichlorotrifluoroet	3.65	151	3044617	99.51 ug/L	90
12) Carbon Disulfide	3.93	76	12061225	101.06 ug/L	99
13) Acetone	3.72	43	8822223	415.26 ug/L	100
14) tert-Butyl alcohol	5.72	59	10522516	500.84 ug/L #	92
15) Methylene Chloride	4.31	49	4502261	92.83 ug/L	97
16) Methyl tert-Butyl ether	4.66	73	8856816	98.86 ug/L	96
17) trans-1,2-Dichloroethene	4.66	96	3635369	95.20 ug/L	95
18) Acrylonitrile	4.63	53	5678445	478.91 ug/L	99
19) Hexane	5.01	56	2206910	99.77 ug/L	91
20) Diisopropyl ether	5.28	45	11594440	95.85 ug/L	99
21) 1,1-Dichloroethane	5.20	63	6204051	97.86 ug/L	98
22) Vinyl Acetate	5.26	43	26928060	382.83 ug/L	96
23) Ethyl tert-butyl ether	5.72	87	4414754	97.21 ug/L #	96
24) 2,2-Dichloropropane	5.88	77	4523355	98.31 ug/L	98
25) cis-1,2-Dichloroethene	5.91	96	3999176	95.86 ug/L	89
26) 2-Butanone	5.91	57	750680	431.50 ug/L #	73
27) Ethyl acetate	5.99	45	2105982	476.69 ug/L	96
28) Tetrahydrofuran	6.24	71	1825519	505.36 ug/L	93
29) Bromochloromethane	6.19	49	2432025	78.55 ug/L	97
30) Chloroform	6.30	85	3979082	95.62 ug/L	90
31) 1,1,1-Trichloroethane	6.48	97	5263348	97.95 ug/L	98
32) Cyclohexane	6.54	56	5929260	90.85 ug/L	94
34) Carbon Tetrachloride	6.67	119	4482247	104.43 ug/L	99
35) 1,1-Dichloropropene	6.67	75	4750116	97.13 ug/L	98
36) tert-Amyl methyl ether	7.03	73	9793039	103.82 ug/L #	92
37) Benzene	6.91	78	14374588	95.98 ug/L	96
38) iso-Butyl alcohol	6.86	43	12057801	10717.97 ug/L	98

44767

(#) = qualifier out of range (m) = manual integration

00363

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19608.D
Acq On : 23 Nov 2004 3:22 pm
Sample : 100 ug/L I-cal
Misc : water 12496317
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:51:02 2004

Vial: 13
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	1,2-Dichloroethane	6.94	62	4883588	98.29 ug/L	97
43)	Trichloroethene	7.65	130	4233539	99.16 ug/L	93
44)	n-Butyl alcohol	7.60	41	5371994	11556.91 ug/L	98
45)	Methylcyclohexane	7.85	55	3977696	99.91 ug/L	93
46)	1,2-Dichloropropane	7.90	63	3725881	97.99 ug/L	99
47)	Dibromomethane	8.05	174	2596885	98.42 ug/L	95
48)	1,4-Dioxane	8.05	88	869022	2713.16 ug/L	91
49)	Bromodichloromethane	8.23	83	4717231	103.02 ug/L	97
50)	2-Chloroethyl Vinyl Ether	8.54	63	1422824	201.02 ug/L	98
51)	cis-1,3-Dichloropropene	8.73	75	5642812	105.89 ug/L	99
52)	4-Methyl-2-pentanone	8.87	85	2707595	509.98 ug/L	97
54)	Toluene	9.10	91	16327133	99.90 ug/L	99
55)	trans-1,3-Dichloropropene	9.35	75	5272888	109.10 ug/L	98
56)	1,1,2-Trichloroethane	9.57	97	3242032	96.35 ug/L	99
57)	Tetrachloroethene	9.73	164	3461921	100.70 ug/L	96
58)	1,3-Dichloropropane	9.75	76	5349580	97.39 ug/L	98
59)	2-Hexanone	9.83	85	1243618	494.59 ug/L #	93
60)	Dibromochloromethane	10.03	129	3792883	115.64 ug/L	94
61)	1,2-Dibromoethane	10.16	107	3423931	104.13 ug/L	99
64)	Chlorobenzene	10.72	112	10514454	95.13 ug/L	93
65)	1,1,1,2-Tetrachloroethane	10.82	131	3696769	107.14 ug/L	98
66)	Ethylbenzene	10.84	91	17361239	101.06 ug/L	100
67)	m,p-Xylene	10.97	106	13968037	204.29 ug/L	86
68)	o-Xylene	11.45	91	13785561	102.74 ug/L	94
69)	Styrene	11.47	104	11652507	112.97 ug/L	91
70)	Bromoform	11.71	173	2572658	99.84 ug/L	94
71)	Isopropylbenzene	11.88	105	17028265	109.35 ug/L	100
73)	Bromobenzene	12.27	156	4744088	101.46 ug/L	94
74)	1,1,2,2-Tetrachloroethane	12.27	83	6198830+	99.80 ug/L	99
75)	1,2,3-Trichloropropane	12.32	110	1144617	99.36 ug/L	96
76)	n-Propylbenzene	12.38	91	20275256	103.42 ug/L	99
77)	2-Chlorotoluene	12.50	126	4373465	102.27 ug/L	98
78)	4-Chlorotoluene	12.62	126	4565799	102.52 ug/L	89
79)	1,3,5-Trimethylbenzene	12.58	105	13999201	109.35 ug/L	98
80)	t-Butylbenzene	12.98	119	11767730	109.04 ug/L	94
81)	1,2,4-Trimethylbenzene	13.04	105	14420009	109.24 ug/L	98
82)	sec-Butylbenzene	13.25	105	15715820	110.18 ug/L	99
83)	4-Isopropyltoluene	13.42	119	13961799	110.71 ug/L	98
84)	1,3-Dichlorobenzene	13.40	146	8508109	100.50 ug/L	99
86)	1,4-Dichlorobenzene	13.51	146	8981257	96.30 ug/L	99
87)	n-Butylbenzene	13.92	134	3271280	109.59 ug/L	94
88)	1,2-Dichlorobenzene	13.97	146	8588608	97.59 ug/L	98
89)	1,2-Dibromo-3-chloropropan	14.93	75	696445	114.86 ug/L	92
90)	1,3,5-Trichlorobenzene	15.18	180	6025324	102.76 ug/L	98
91)	1,2,4-Trichlorobenzene	15.95	180	5911601	104.96 ug/L	99
92)	Hexachlorobutadiene	16.15	225	2080593	96.82 ug/L	97
93)	Naphthalene	16.26	128	13874241	112.40 ug/L	98
94)	1,2,3-Trichlorobenzene	16.56	180	5520959	101.85 ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

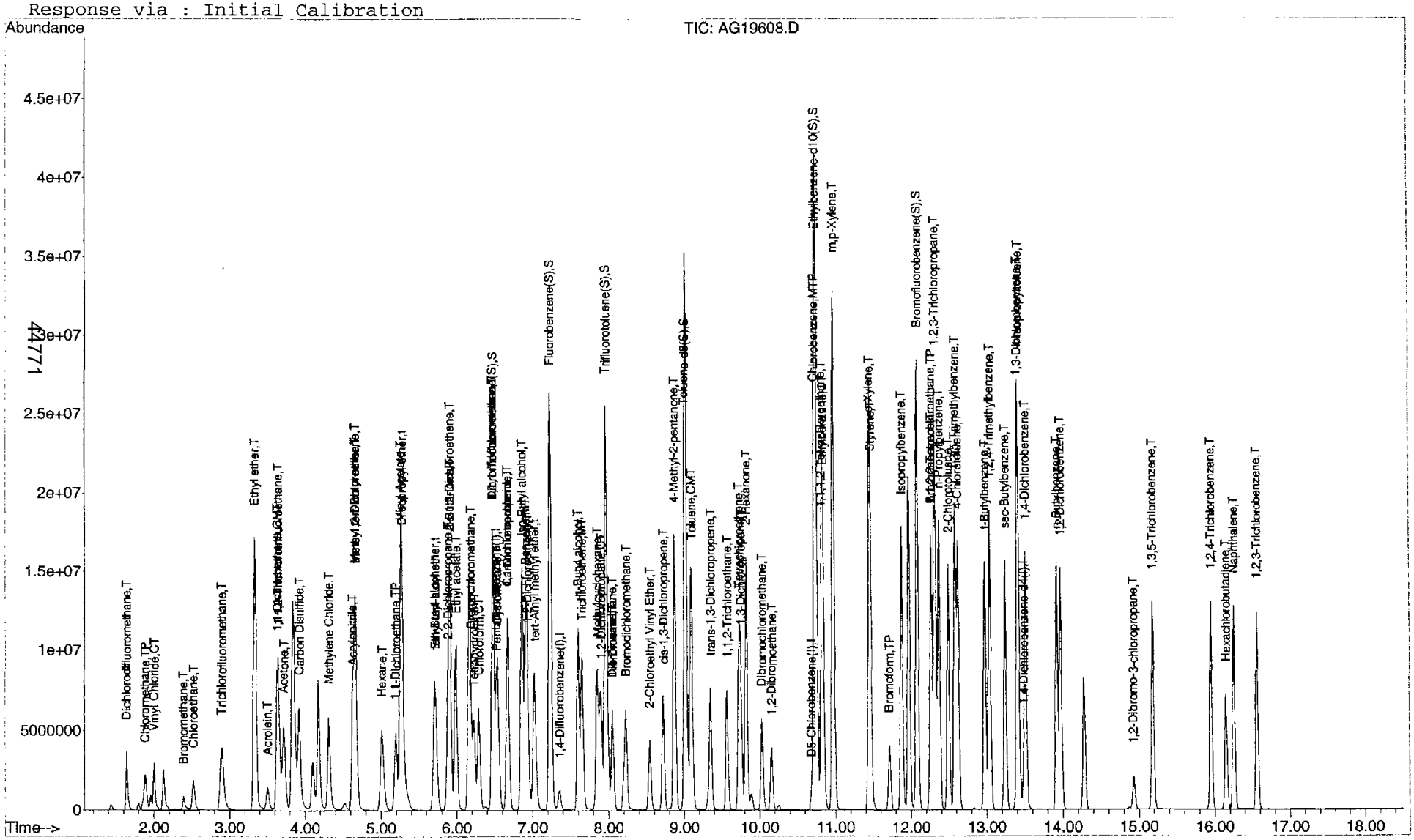
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19608.D
Acq On : 23 Nov 2004 3:22 pm
Sample : 100 ug/L I-cal
Misc : water 12496317
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:51 2004

Vial: 13
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



00365

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19612.D
Acq On : 23 Nov 2004 5:06 pm
Sample : 5.0 ug/L ICV/bs voa
Misc : water 12496318
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:51:10 2004

Vial: 17
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	872542	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.36	114	1271031	10.00	ug/L	0.01
62) D5-Chlorobenzene(I)	10.68	119	244999	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	564170	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	360916	9.86	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 98.60%			
40) Fluorobenzene(S)	7.24	96	1438956	10.57	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 105.70%			
42) Trifluorotoluene(S)	7.96	146	616056	9.87	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 98.70%			
53) Toluene-d8(S)	9.02	98	1368562	10.90	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 109.00%#			
63) Ethylbenzene-d10(S)	10.74	98	1720692	11.42	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 114.20%#			
72) Bromofluorobenzene(S)	12.09	174	477786	10.59	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 105.90%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	184865	5.26	ug/L	99
3) Chloromethane	1.88	50	188147	5.00	ug/L	99
4) Vinyl Chloride	2.00	62	200001	5.36	ug/L	100
5) Bromomethane	2.43	94	82734	13.09	ug/L	99
6) Chloroethane	2.57	64	113471	5.18	ug/L	93
7) Trichlorofluoromethane	2.92	101	253214	4.97	ug/L	99
8) Acrolein	3.51	56	17683	4.90	ug/L	96
9) Ethyl ether	3.33	59	713888	24.74	ug/L	97
10) 1,1-Dichloroethene	3.65	96	139620	4.42	ug/L	96
11) 1,1,2-Trichlorotrifluoroet	3.67	151	135893	4.68	ug/L	89
12) Carbon Disulfide	3.94	76	2331964	20.57	ug/L	100
13) Acetone	3.72	43	195485	9.69	ug/L	100
14) tert-Butyl alcohol	5.72	59	515965	25.86	ug/L	96
15) Methylene Chloride	4.31	49	222518	4.83	ug/L	98
16) Methyl tert-Butyl ether	4.66	73	454547	5.34	ug/L	98
17) trans-1,2-Dichloroethene	4.68	96	171468	4.73	ug/L	97
18) Acrylonitrile	4.63	53	267462	23.75	ug/L	98
19) Hexane	5.01	56	97427	4.64	ug/L	89
20) Diisopropyl ether	5.28	45	581933	5.07	ug/L	98
21) 1,1-Dichloroethane	5.20	63	283495	4.71	ug/L	98
22) Vinyl Acetate	5.27	43	1348160	20.18	ug/L	99
23) Ethyl tert-butyl ether	5.72	87	214047	4.96	ug/L	97
24) 2,2-Dichloropropane	5.90	77	203149	4.65	ug/L	97
25) cis-1,2-Dichloroethene	5.91	96	189563	4.78	ug/L	91
26) 2-Butanone	5.92	57	24284	14.70	ug/L #	79
27) Ethyl acetate	5.99	45	101427	24.17	ug/L	98
28) Tetrahydrofuran	6.23	71	81675	23.81	ug/L	86
29) Bromochloromethane	6.19	49	150267	5.11	ug/L	99
30) Chloroform	6.30	85	187682	4.75	ug/L	90
31) 1,1,1-Trichloroethane	6.49	97	244000	4.78	ug/L	93
32) Cyclohexane	6.54	56	278319	4.49	ug/L	91
34) Carbon Tetrachloride	6.68	119	196753	4.83	ug/L	99
35) 1,1-Dichloropropene	6.67	75	210226	4.53	ug/L	98
36) tert-Amyl methyl ether	7.02	73	475599	5.31	ug/L	97
37) Benzene	6.91	78	697183	4.90	ug/L	96
38) iso-Butyl alcohol	6.85	43	525236	491.58	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19612.D
Acq On : 23 Nov 2004 5:06 pm
Sample : 5.0 ug/L ICV/bs voa
Misc : water 12496318
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:51:10 2004

Vial: 17
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	229434	4.86 ug/L		98
43)	Trichloroethene	7.65	130	191033	4.78 ug/L		95
44)	n-Butyl alcohol	7.60	41	217718	500.89 ug/L		99
45)	Methylcyclohexane	7.85	55	181980	4.89 ug/L		97
46)	1,2-Dichloropropane	7.90	63	170592	4.80 ug/L		96
47)	Dibromomethane	8.05	174	122950	4.98 ug/L		92
48)	1,4-Dioxane	8.05	88	38085	127.16 ug/L		89
49)	Bromodichloromethane	8.23	83	210800	4.92 ug/L		96
50)	2-Chloroethyl Vinyl Ether	8.54	63	210519	40.08 ug/L		98
51)	cis-1,3-Dichloropropene	8.71	75	255700	5.13 ug/L		100
52)	4-Methyl-2-pentanone	8.87	85	120497	24.27 ug/L		97
54)	Toluene	9.09	91	748834	4.90 ug/L		99
55)	trans-1,3-Dichloropropene	9.35	75	213578	4.73 ug/L		98
56)	1,1,2-Trichloroethane	9.57	97	152036	4.83 ug/L		99
57)	Tetrachloroethene	9.73	164	157429	4.90 ug/L		96
58)	1,3-Dichloropropane	9.75	76	250065	4.87 ug/L		99
59)	2-Hexanone	9.83	85	42763	18.19 ug/L	#	95
60)	Dibromochloromethane	10.03	129	148314	4.84 ug/L		95
61)	1,2-Dibromoethane	10.16	107	153685	5.00 ug/L		97
64)	Chlorobenzene	10.72	112	509303	4.88 ug/L		95
65)	1,1,1,2-Tetrachloroethane	10.82	131	164766	5.06 ug/L		99
66)	Ethylbenzene	10.83	91	795345	4.90 ug/L		99
67)	m,p-Xylene	10.97	106	645697	10.00 ug/L		98
68)	o-Xylene	11.45	91	614133	4.85 ug/L		93
69)	Styrene	11.47	104	480088	4.93 ug/L		88
70)	Bromoform	11.71	173	87708	4.65 ug/L		90
71)	Isopropylbenzene	11.88	105	690107	4.69 ug/L		100
73)	Bromobenzene	12.27	156	212791	4.82 ug/L		99
74)	1,1,2,2-Tetrachloroethane	12.26	83	305469+	5.21 ug/L		99
75)	1,2,3-Trichloropropane	12.32	110	54148	4.98 ug/L		89
76)	n-Propylbenzene	12.38	91	933549	5.04 ug/L		96
77)	2-Chlorotoluene	12.50	126	200563	4.97 ug/L		95
78)	4-Chlorotoluene	12.62	126	206012	4.90 ug/L		91
79)	1,3,5-Trimethylbenzene	12.58	105	602495	4.98 ug/L		98
80)	t-Butylbenzene	12.98	119	509276	5.00 ug/L		95
81)	1,2,4-Trimethylbenzene	13.04	105	659665	5.29 ug/L		97
82)	sec-Butylbenzene	13.25	105	687870	5.11 ug/L		98
83)	4-Isopropyltoluene	13.42	119	569495	4.78 ug/L		98
84)	1,3-Dichlorobenzene	13.40	146	403518	5.05 ug/L		98
86)	1,4-Dichlorobenzene	13.51	146	413583	4.87 ug/L		95
87)	n-Butylbenzene	13.92	134	133040	4.89 ug/L		91
88)	1,2-Dichlorobenzene	13.97	146	389703	4.86 ug/L		96
89)	1,2-Dibromo-3-chloropropan	14.93	75	26962	4.88 ug/L		85
90)	1,3,5-Trichlorobenzene	15.18	180	278511	5.21 ug/L		97
91)	1,2,4-Trichlorobenzene	15.95	180	251372	4.90 ug/L		97
92)	Hexachlorobutadiene	16.15	225	98950	5.05 ug/L		95
93)	Naphthalene	16.26	128	595026	5.29 ug/L		98
94)	1,2,3-Trichlorobenzene	16.56	180	249322	5.05 ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

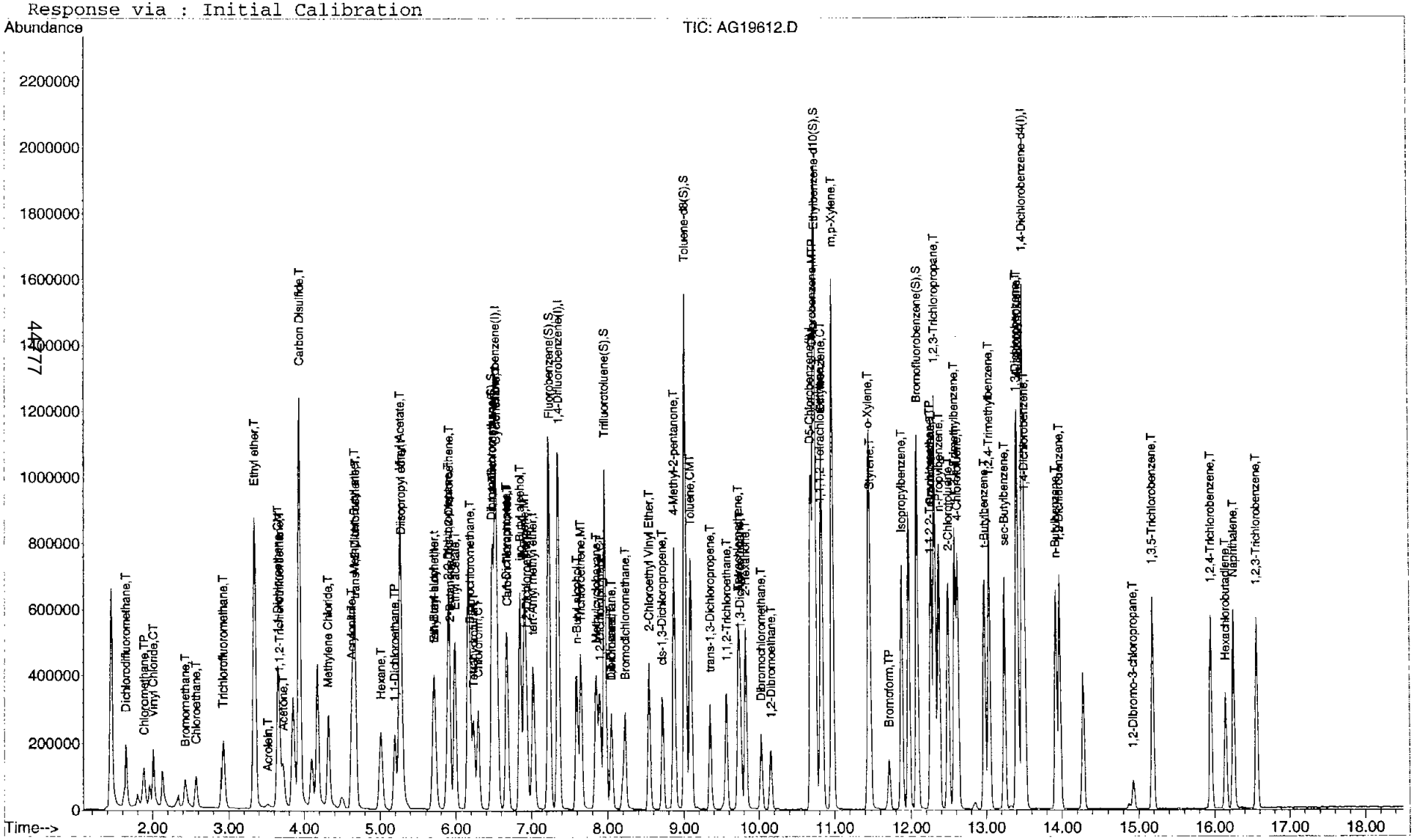
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19612.D
Acq On : 23 Nov 2004 5:06 pm
Sample : 5.0 ug/L ICV/bs voa
Misc : water 12496318
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:51 2004

Vial: 17
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : E:\DATA\11232004\AG19612.D Vial: 17
Acq On : 23 Nov 2004 5:06 pm Operator: frz
Sample : 5.0 ug/L ICV/bs voa Inst : VOAInst#3
Misc : water 12496318 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene(I)	1.000	1.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	0.403	0.424	-5.2	104	-0.01
3	TP	Chloromethane	0.453	0.431	4.9	114	0.00
4	CT	Vinyl Chloride	0.428	0.458	-7.0	105	-0.01
5	T	Bromomethane	0.072	0.190	-163.9#	268#	-0.01
6	T	Chloroethane	0.251	0.260	-3.6	115	0.00
7	T	Trichlorofluoromethane	0.583	0.580	0.5	99	0.00
8	T	Acrolein	0.041	0.008#	80.5#	20#	0.00
9	T	Ethyl ether	0.331	0.327	1.2	99	0.00
10	CMT	1,1-Dichloroethene	0.362	0.320	11.6	92	0.00
11	T	1,1,2-Trichlorotrifluoroeth	0.333	0.311	6.6	94	0.01
12	T	Carbon Disulfide	1.299	5.345	-311.5#	426#	0.00
13	T	Acetone	0.231	0.090#	61.0#	43#	0.01
14	t	tert-Butyl alcohol	0.229	0.237	-3.5	107	0.00
15	T	Methylene Chloride	0.528	0.510	3.4	102	-0.01
16	T	Methyl tert-Butyl ether	0.975	1.042	-6.9	107	0.01
17	T	trans-1,2-Dichloroethene	0.416	0.393	5.5	96	0.00
18	T	Acrylonitrile	0.129	0.123	4.7	96	-0.01
19	T	Hexane	0.241	0.223	7.5	96	0.00
20	t	Diisopropyl ether	1.317	1.334	-1.3	101	0.01
21	TP	1,1-Dichloroethane	0.690	0.650	5.8	98	0.00
22	T	Vinyl Acetate	0.766	0.618	19.3	74	0.00
23	t	Ethyl tert-butyl ether	0.494	0.491	0.6	103	0.00
24	T	2,2-Dichloropropane	0.501	0.466	7.0	96	0.01
25	T	cis-1,2-Dichloroethene	0.454	0.435	4.2	98	0.00
26	T	2-Butanone	0.019	0.011#	42.1#	62	0.01
27	T	Ethyl acetate	0.048	0.046#	4.2	99	0.01
28	T	Tetrahydrofuran	0.039	0.037#	5.1	94	0.00
29	T	Bromochloromethane	0.337	0.344	-2.1	101	0.00
30	CT	Chloroform	0.453	0.430	5.1	98	0.00
31	T	1,1,1-Trichloroethane	0.585	0.559	4.4	99	0.01
32	T	Cyclohexane	0.710	0.638	10.1	96	0.00
33	S	Dibromofluoromethane(S)	0.420	0.331	21.2#	83	0.00
34	T	Carbon Tetrachloride	0.467	0.451	3.4	100	0.00
35	T	1,1-Dichloropropene	0.532	0.482	9.4	95	0.00
36	t	tert-Amyl methyl ether	1.027	1.090	-6.1	110	0.00
37	MT	Benzene	1.630	1.598	2.0	101	0.00
38	T	iso-Butyl alcohol	0.012	0.012#	0.0	99	0.00
39	T	1,2-Dichloroethane	0.541	0.526	2.8	98	0.00
40	S	Fluorobenzene(S)	1.560	1.319	15.4	86	0.01
41	I	1,4-Difluorobenzene(I)	1.000	1.000	0.0	103	0.01
42	S	Trifluorotoluene(S)	0.491	0.388	21.0#	81	0.01
43	MT	Trichloroethene	0.314	0.301	4.1	99	0.01
44	T	n-Butyl alcohol	0.003	0.003#	0.0	98	0.01
45	T	Methylcyclohexane	0.293	0.286	2.4	100	0.01
46	CT	1,2-Dichloropropane	0.280	0.268	4.3	100	0.01
47	T	Dibromomethane	0.194	0.193	0.5	103	0.01
48	T	1,4-Dioxane	0.002	0.002#	0.0	105	0.01
49	T	Bromodichloromethane	0.337	0.332	1.5	102	0.01
50	T	2-Chloroethyl Vinyl Ether	0.032	0.066#	-106.3#	177	0.01
51	T	cis-1,3-Dichloropropene	0.392	0.402	-2.6	105	0.00
52	T	4-Methyl-2-pentanone	0.039	0.038#	2.6	94	0.01
53	S	Toluene-d8(S)	0.988	0.861	12.9	85	0.01
54	CMT	Toluene	1.202	1.178	2.0	101	0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\DATA\11232004\AG19612.D Vial: 17
Acq On : 23 Nov 2004 5:06 pm Operator: frz
Sample : 5.0 ug/L ICV/bs voa Inst : VOAInst#3
Misc : water 12496318 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
55	T	trans-1,3-Dichloropropene	0.356	0.336	5.6	94	0.02
56	T	1,1,2-Trichloroethane	0.248	0.239	3.6	96	0.02
57	T	Tetrachloroethene	0.253	0.248	2.0	98	0.02
58	T	1,3-Dichloropropane	0.404	0.393	2.7	100	0.02
59	T	2-Hexanone	0.018	0.013#	27.8#	74	0.02
60	T	Dibromochloromethane	0.241	0.233	3.3	100	0.02
61	T	1,2-Dibromoethane	0.242	0.242	0.0	98	0.02
62	I	D5-Chlorobenzene(I)	1.000	1.000	0.0	102	0.00
63	S	Ethylbenzene-d10(S)	6.151	5.619	8.6	89	0.01
64	MTP	Chlorobenzene	4.260	4.158	2.4	99	0.01
65	T	1,1,1,2-Tetrachloroethane	1.330	1.345	-1.1	106	0.01
66	CT	Ethylbenzene	6.621	6.493	1.9	98	0.00
67	T	m,p-Xylene	2.635	2.636	-0.0	100	0.01
68	T	o-Xylene	5.171	5.013	3.1	98	0.01
69	T	Styrene	3.975	3.919	1.4	100	0.01
70	TP	Bromoform	0.712	0.716	-0.6	100	0.01
71	T	Isopropylbenzene	6.002	5.634	6.1	94	0.01
72	S	Bromofluorobenzene(S)	1.842	1.560	15.3	85	0.01
73	T	Bromobenzene	1.802	1.737	3.6	99	0.01
74	TP	1,1,2,2-Tetrachloroethane	2.394	2.494	-4.2	102	0.00
75	T	1,2,3-Trichloropropane	0.444	0.442	0.5	95	0.01
76	T	n-Propylbenzene	7.556	7.621	-0.9	100	0.01
77	T	2-Chlorotoluene	1.648	1.637	0.7	101	0.01
78	T	4-Chlorotoluene	1.716	1.682	2.0	101	0.01
79	T	1,3,5-Trimethylbenzene	4.934	4.918	0.3	98	0.01
80	T	t-Butylbenzene	4.159	4.157	0.0	103	0.01
81	T	1,2,4-Trimethylbenzene	5.087	5.385	-5.9	103	0.01
82	T	sec-Butylbenzene	5.497	5.615	-2.1	103	0.01
83	T	4-Isopropyltoluene	4.861	4.649	4.4	94	0.02
84	T	1,3-Dichlorobenzene	3.263	3.294	-1.0	102	0.02
85	I	1,4-Dichlorobenzene-d4(I)	1.000	1.000	0.0	105	0.00
86	T	1,4-Dichlorobenzene	1.506	1.466	2.7	101	0.00
87	T	n-Butylbenzene	0.482	0.472	2.1	96	0.00
88	T	1,2-Dichlorobenzene	1.421	1.382	2.7	100	0.00
89	T	1,2-Dibromo-3-chloropropane	0.098	0.096#	2.0	108	-0.01
90	T	1,3,5-Trichlorobenzene	0.947	0.987	-4.2	107	-0.01
91	T	1,2,4-Trichlorobenzene	0.909	0.891	2.0	101	0.00
92	T	Hexachlorobutadiene	0.347	0.351	-1.2	109	0.00
93	T	Naphthalene	1.993	2.109	-5.8	113	0.00
94	T	1,2,3-Trichlorobenzene	0.875	0.884	-1.0	108	0.00

Evaluate Continuing Calibration Report

Data File : E:\DATA\11232004\AG19612.D Vial: 17
Acq On : 23 Nov 2004 5:06 pm Operator: frz
Sample : 5.0 ug/L ICV/bs voa Inst : VOAInst#3
Misc : water 12496318 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene(I)	10.000	10.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	5.000	5.258	-5.2	104	-0.01
3	TP	Chloromethane	5.000	5.003	-0.1	114	0.00
4	CT	Vinyl Chloride	5.000	5.356	-7.1	105	-0.01
5	T	Bromomethane	5.000	13.090	-161.8#	268	-0.01
6	T	Chloroethane	5.000	5.182	-3.6	115	0.00
7	T	Trichlorofluoromethane	5.000	4.974	0.5	99	0.00
8	T	Acrolein	25.000	4.899	80.4#	20	0.00
9	T	Ethyl ether	25.000	24.742	1.0	99	0.00
10	CMT	1,1-Dichloroethene	5.000	4.424	11.5	92	0.00
11	T	1,1,2-Trichlorotrifluoroeth	5.000	4.677	6.5	94	0.01
12	T	Carbon Disulfide	5.000	20.573	-311.5#	426	0.00
13	T	Acetone	25.000	9.688	61.2#	43	0.01
14	t	tert-Butyl alcohol	25.000	25.858	-3.4	107	0.00
15	T	Methylene Chloride	5.000	4.831	3.4	102	-0.01
16	T	Methyl tert-Butyl ether	5.000	5.342	-6.8	107	0.01
17	T	trans-1,2-Dichloroethene	5.000	4.728	5.4	96	0.00
18	T	Acrylonitrile	25.000	23.751	5.0	96	-0.01
19	T	Hexane	5.000	4.638	7.2	96	0.00
20	t	Diisopropyl ether	5.000	5.065	-1.3	101	0.01
21	TP	1,1-Dichloroethane	5.000	4.709	5.8	98	0.00
22	T	Vinyl Acetate	25.000	20.181	19.3	74	0.00
23	t	Ethyl tert-butyl ether	5.000	4.963	0.7	103	0.00
24	T	2,2-Dichloropropane	5.000	4.649	7.0	96	0.01
25	T	cis-1,2-Dichloroethene	5.000	4.784	4.3	98	0.00
26	T	2-Butanone	25.000	14.697	41.2#	62	0.01
27	T	Ethyl acetate	25.000	24.173	3.3	99	0.01
28	T	Tetrahydrofuran	25.000	23.807	4.8	94	0.00
29	T	Bromochloromethane	5.000	5.110	-2.2	101	0.00
30	CT	Chloroform	5.000	4.749	5.0	98	0.00
31	T	1,1,1-Trichloroethane	5.000	4.781	4.4	99	0.01
32	T	Cyclohexane	5.000	4.490	10.2	96	0.00
33	S	Dibromofluoromethane(S)	12.500	9.859	21.1#	83	0.00
34	T	Carbon Tetrachloride	5.000	4.827	3.5	100	0.00
35	T	1,1-Dichloropropene	5.000	4.526	9.5	95	0.00
36	t	tert-Amyl methyl ether	5.000	5.309	-6.2	110	0.00
37	MT	Benzene	5.000	4.901	2.0	101	0.00
38	T	iso-Butyl alcohol	500.000	491.579	1.7	99	0.00
39	T	1,2-Dichloroethane	5.000	4.862	2.8	98	0.00
40	S	Fluorobenzene(S)	12.500	10.571	15.4	86	0.01
41	I	1,4-Difluorobenzene(I)	10.000	10.000	0.0	103	0.01
42	S	Trifluorotoluene(S)	12.500	9.874	21.0#	81	0.01
43	MT	Trichloroethene	5.000	4.785	4.3	99	0.01
44	T	n-Butyl alcohol	500.000	500.888	-0.2	98	0.01
45	T	Methylcyclohexane	5.000	4.888	2.2	100	0.01
46	CT	1,2-Dichloropropane	5.000	4.798	4.0	100	0.01
47	T	Dibromomethane	5.000	4.983	0.3	103	0.01
48	T	1,4-Dioxane	125.000	127.157	-1.7	105	0.01
49	T	Bromodichloromethane	5.000	4.923	1.5	102	0.01
50	T	2-Chloroethyl Vinyl Ether	25.000	40.078	-60.3#	177	0.01
51	T	cis-1,3-Dichloropropene	5.000	5.132	-2.6	105	0.00
52	T	4-Methyl-2-pentanone	25.000	24.271	2.9	94	0.01
53	S	Toluene-d8(S)	12.500	10.897	12.8	85	0.01
54	CMT	Toluene	5.000	4.900	2.0	101	0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\DATA\11232004\AG19612.D Vial: 17
Acq On : 23 Nov 2004 5:06 pm Operator: frz
Sample : 5.0 ug/L ICV/bs voa Inst : VOAInst#3
Misc : water 12496318 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
55	T	trans-1,3-Dichloropropene	5.000	4.726	5.5	94	0.02
56	T	1,1,2-Trichloroethane	5.000	4.832	3.4	96	0.02
57	T	Tetrachloroethene	5.000	4.897	2.1	98	0.02
58	T	1,3-Dichloropropane	5.000	4.869	2.6	100	0.02
59	T	2-Hexanone	25.000	18.187	27.3#	74	0.02
60	T	Dibromochloromethane	5.000	4.836	3.3	100	0.02
61	T	1,2-Dibromoethane	5.000	4.998	0.0	98	0.02
62	I	D5-Chlorobenzene(I)	10.000	10.000	0.0	102	0.00
63	S	Ethylbenzene-d10(S)	12.500	11.419	8.6	89	0.01
64	MTP	Chlorobenzene	5.000	4.880	2.4	99	0.01
65	T	1,1,1,2-Tetrachloroethane	5.000	5.057	-1.1	106	0.01
66	CT	Ethylbenzene	5.000	4.903	1.9	98	0.00
67	T	m,p-Xylene	10.000	10.001	-0.0	100	0.01
68	T	o-Xylene	5.000	4.847	3.1	98	0.01
69	T	Styrene	5.000	4.929	1.4	100	0.01
70	TP	Bromoform	5.000	4.648	7.0	100	0.01
71	T	Isopropylbenzene	5.000	4.693	6.1	94	0.01
72	S	Bromofluorobenzene(S)	12.500	10.588	15.3	85	0.01
73	T	Bromobenzene	5.000	4.820	3.6	99	0.01
74	TP	1,1,2,2-Tetrachloroethane	5.000	5.208	-4.2	102	0.00
75	T	1,2,3-Trichloropropane	5.000	4.978	0.4	95	0.01
76	T	n-Propylbenzene	5.000	5.043	-0.9	100	0.01
77	T	2-Chlorotoluene	5.000	4.967	0.7	101	0.01
78	T	4-Chlorotoluene	5.000	4.899	2.0	101	0.01
79	T	1,3,5-Trimethylbenzene	5.000	4.984	0.3	98	0.01
80	T	t-Butylbenzene	5.000	4.998	0.0	103	0.01
81	T	1,2,4-Trimethylbenzene	5.000	5.293	-5.9	103	0.01
82	T	sec-Butylbenzene	5.000	5.107	-2.1	103	0.01
83	T	4-Isopropyltoluene	5.000	4.782	4.4	94	0.02
84	T	1,3-Dichlorobenzene	5.000	5.048	-1.0	102	0.02
85	I	1,4-Dichlorobenzene-d4(I)	10.000	10.000	0.0	105	0.00
86	T	1,4-Dichlorobenzene	5.000	4.868	2.6	101	0.00
87	T	n-Butylbenzene	5.000	4.893	2.1	96	0.00
88	T	1,2-Dichlorobenzene	5.000	4.861	2.8	100	0.00
89	T	1,2-Dibromo-3-chloropropane	5.000	4.881	2.4	108	-0.01
90	T	1,3,5-Trichlorobenzene	5.000	5.214	-4.3	107	-0.01
91	T	1,2,4-Trichlorobenzene	5.000	4.899	2.0	101	0.00
92	T	Hexachlorobutadiene	5.000	5.055	-1.1	109	0.00
93	T	Naphthalene	5.000	5.292	-5.8	113	0.00
94	T	1,2,3-Trichlorobenzene	5.000	5.049	-1.0	108	0.00

Quantitation Report (QT Reviewed)

Data File : E:\DATA\12032004\AG19756.D
Acq On : 3 Dec 2004 1:12 pm
Sample : IB
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 03 14:15:10 2004

Vial: 6
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	902981	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1380990	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	240593	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	477637	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	386371	9.08	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	90.80%	
34) Fluorobenzene(S)	7.23	96	1514406	9.23	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	92.30%	
36) Trifluorotoluene(S)	7.96	146	1057	0.01	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery	=	0.05%#	
45) Toluene-d8(S)	9.02	98	1366040	9.03	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	90.30%#	
55) Ethylbenzene-d10(S)	10.74	98	1704996	9.67	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	=	96.70%	
64) Bromofluorobenzene(S)	12.09	174	427124	9.42	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	94.20%	

Target Compounds						Qvalue
3) Chloromethane	1.87	50	10421	Below Cal		89
7) Trichlorofluoromethane	2.85	101	186	Below Cal	#	1
11) Acetone	3.73	43	27588	Below Cal		76
13) Methylene Chloride	4.30	49	5702	Below Cal		88
46) Toluene	9.09	91	14948	0.09	ug/Kg	95
58) Ethylbenzene	10.83	91	6412	0.04	ug/Kg	96
59) m,p-Xylene	10.96	106	6935	0.10	ug/Kg	85
60) o-Xylene	11.45	91	5648	0.04	ug/Kg	87
73) 1,2,4-Trimethylbenzene	13.03	105	9096	0.06	ug/Kg	98
84) Hexachlorobutadiene	16.15	225	567	Below Cal	#	43
85) Naphthalene	16.26	128	53210	0.55	ug/Kg	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

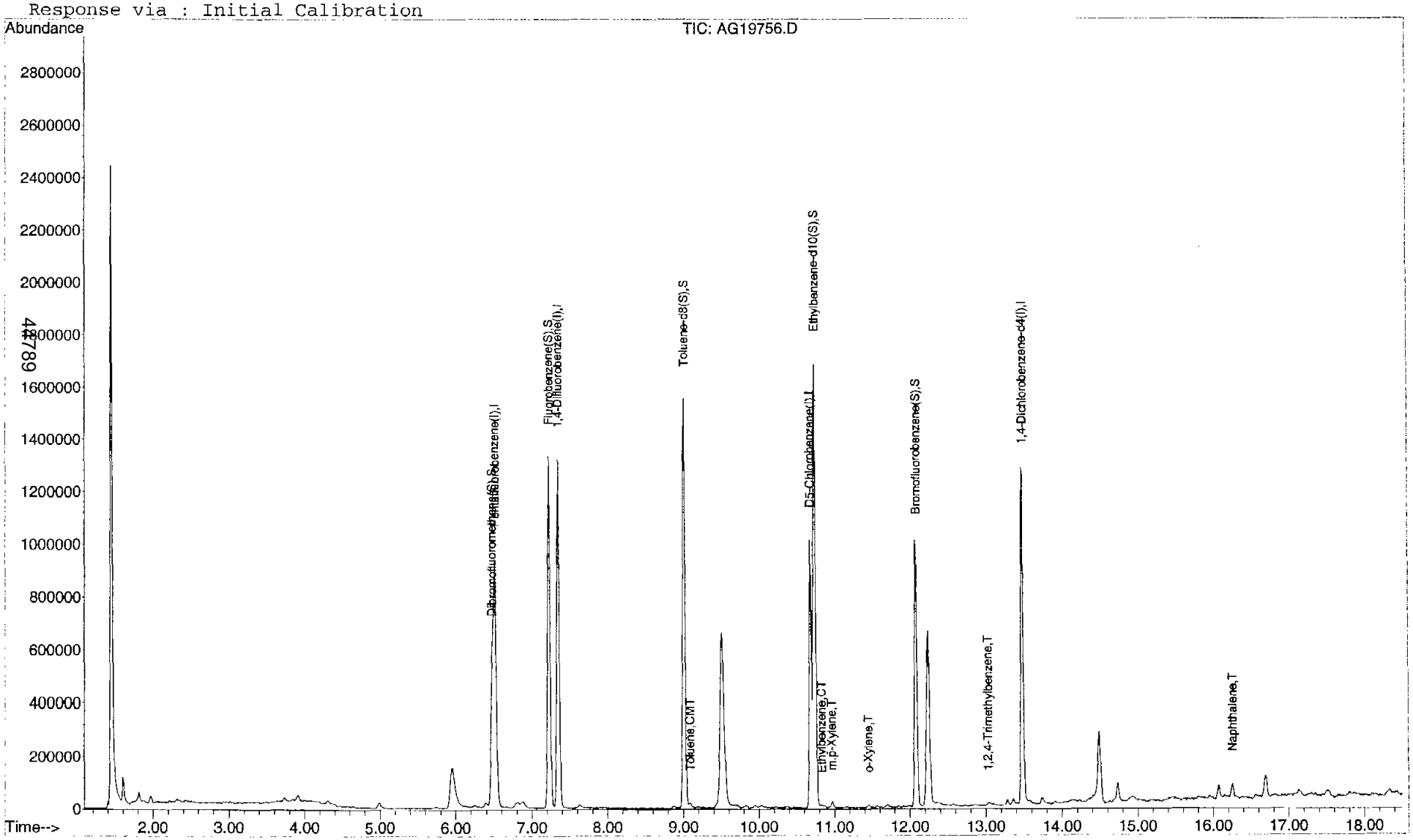
Quantitation Report (QT Reviewed)

Data File : E:\DATA\12032004\AG19756.D
Acq On : 3 Dec 2004 1:12 pm
Sample : IB
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 20 12:34 2004

Vial: 6
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

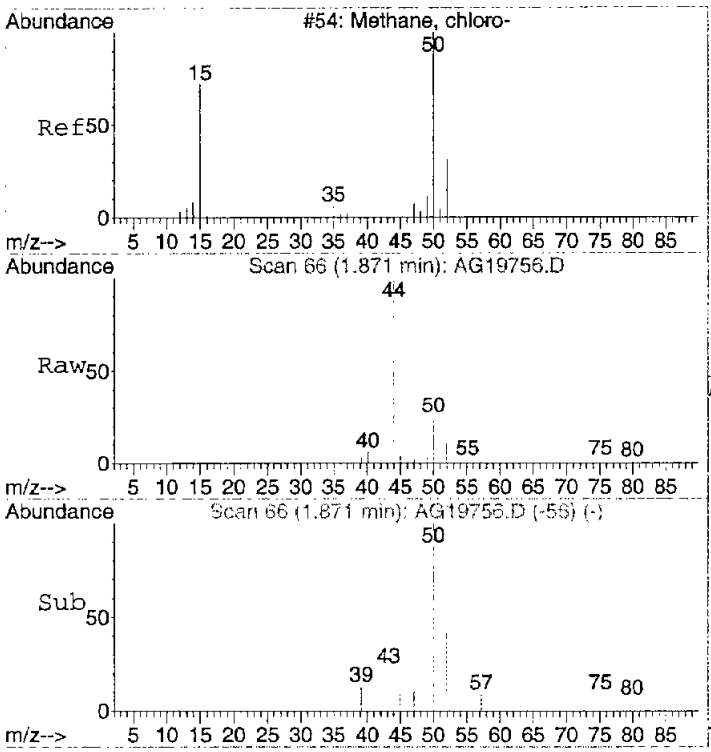
Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



#7789

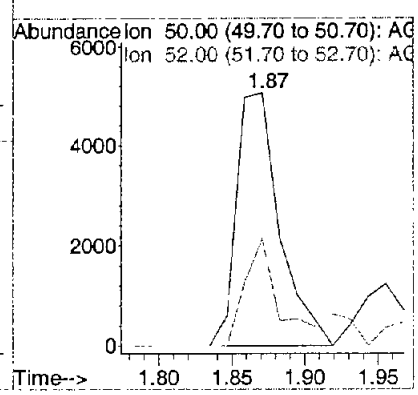
00374

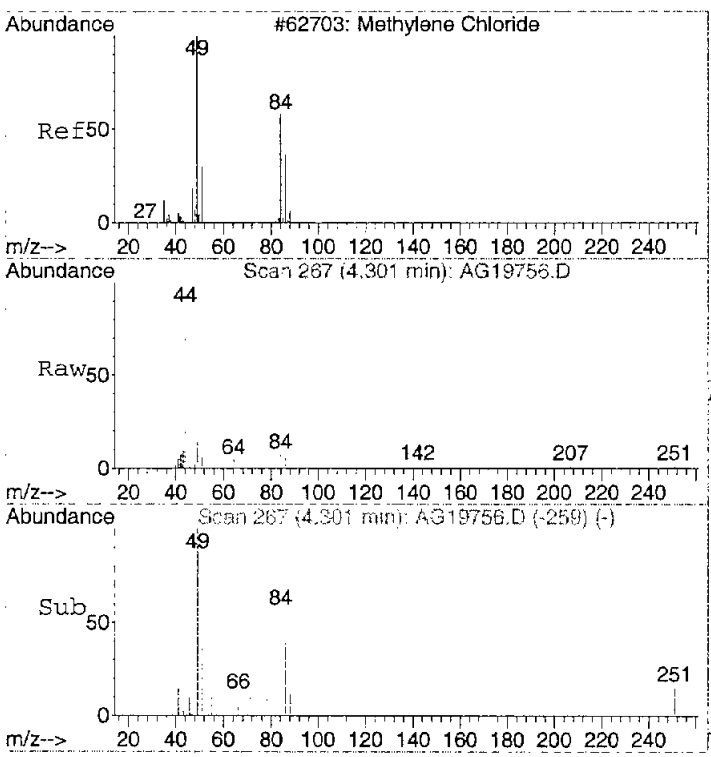


#3
Chloromethane
Concen: Below Cal
RT: 1.87 min Scan# 66
Delta R.T. 0.00 min
Lab File: AG19756.D
Acq: 3 Dec 2004 1:12 pm

Tgt Ion: 50 Resp: 10421

Ion	Ratio	Lower	Upper
50	100		
52	42.0	5.5	65.5

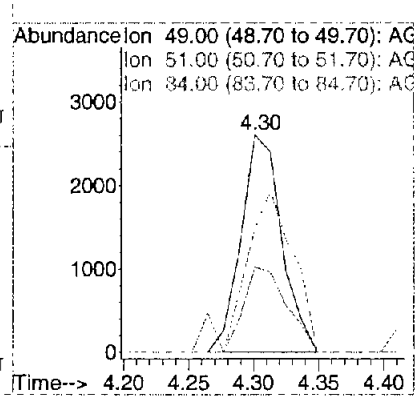


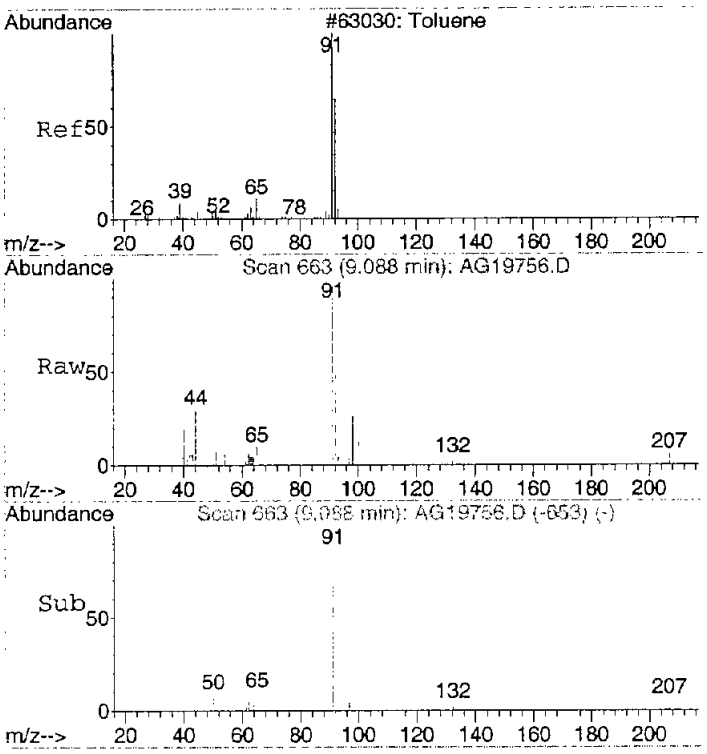


#13
Methylene Chloride
Concen: Below Cal
RT: 4.30 min Scan# 267
Delta R.T. -0.02 min
Lab File: AG19756.D
Acq: 3 Dec 2004 1:12 pm

Tgt Ion: 49 Resp: 5702

Ion	Ratio	Lower	Upper
49	100		
51	47.7	0.0	59.0
84	82.7	49.0	109.0

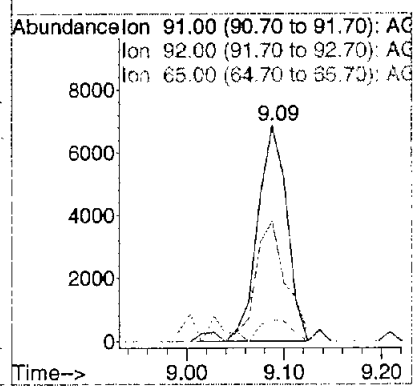


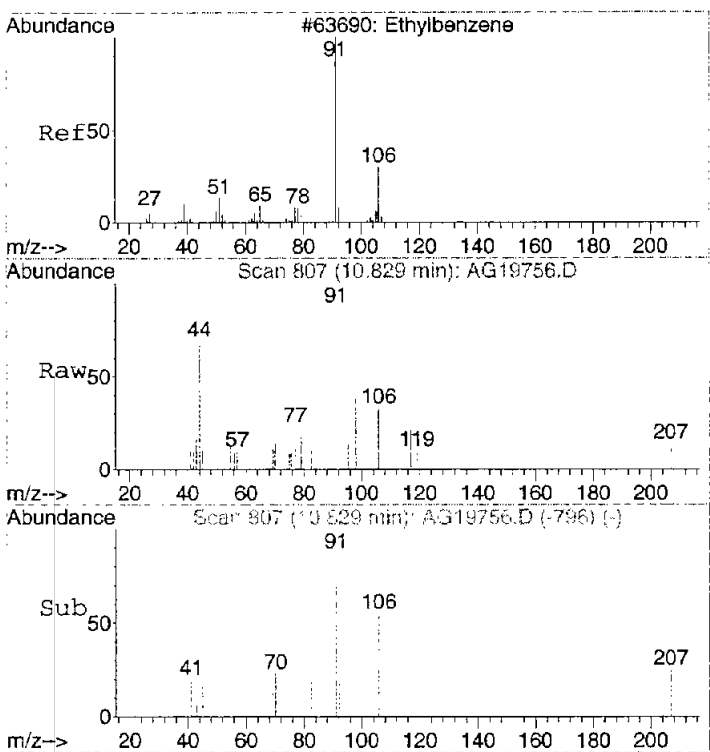


#46
Toluene
Concen: 0.09 ug/Kg
RT: 9.09 min Scan# 663
Delta R.T. -0.00 min
Lab File: AG19756.D
Acq: 3 Dec 2004 1:12 pm

Tgt Ion: 91 Resp: 14948

Ion	Ratio	Lower	Upper
91	100		
92	57.2	31.1	91.1
65	10.1	0.0	41.0

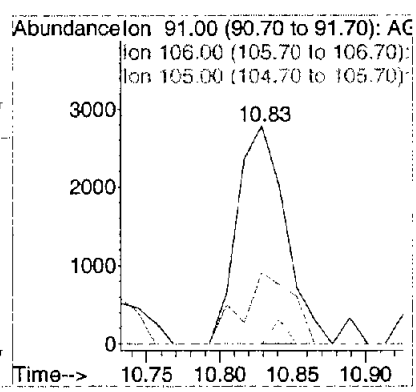


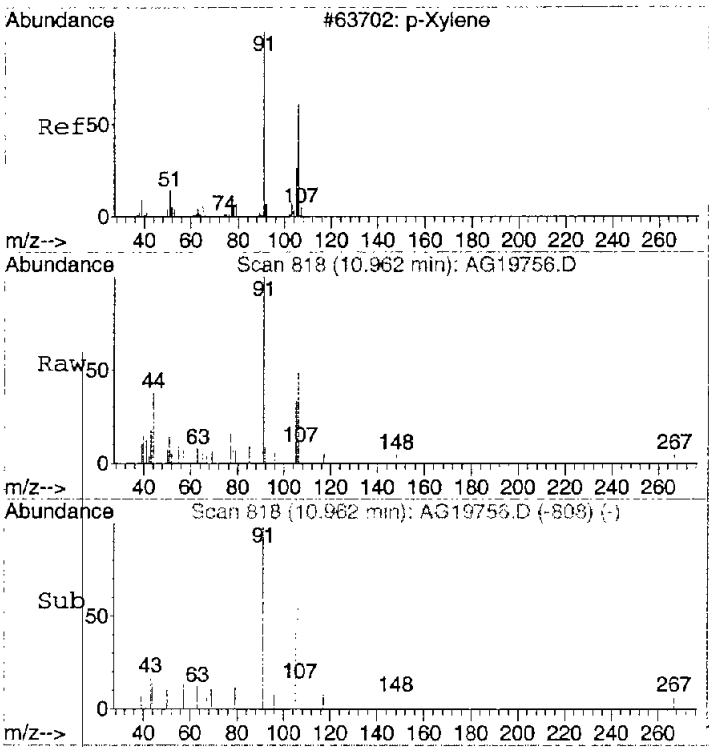


#58
Ethylbenzene
Concen: 0.04 ug/Kg
RT: 10.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: AG19756.D
Acq: 3 Dec 2004 1:12 pm

Tgt Ion: 91 Resp: 6412

Ion	Ratio	Lower	Upper
91	100		
106	34.5	2.3	62.3
105	3.5	0.0	34.8

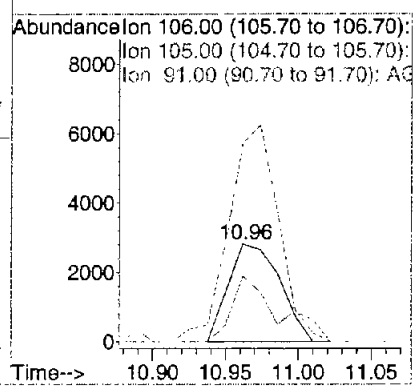


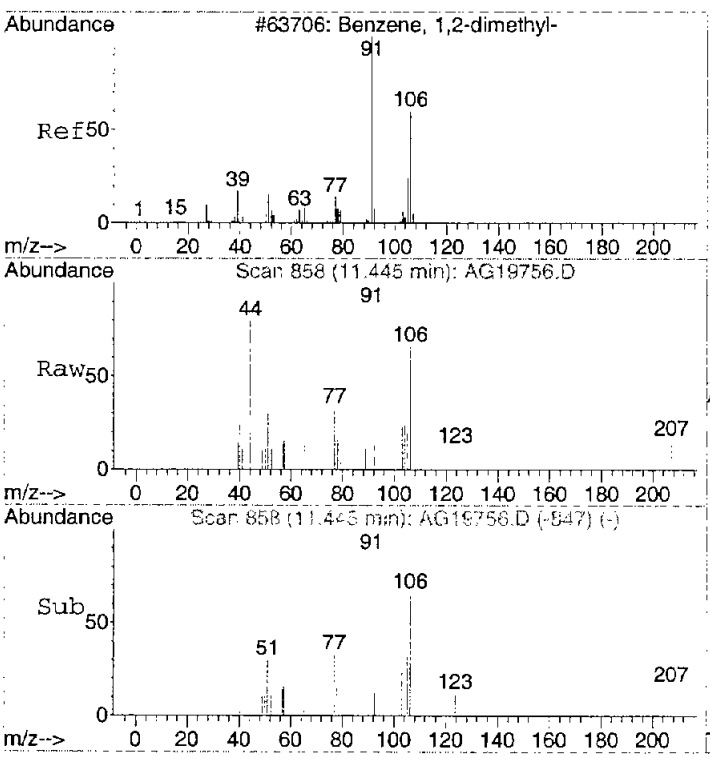


#59
m,p-Xylene
Concen: 0.10 ug/Kg
RT: 10.96 min Scan# 818
Delta R.T. 0.00 min
Lab File: AG19756.D
Acq: 3 Dec 2004 1:12 pm

Tgt Ion:106 Resp: 6935

Ion	Ratio	Lower	Upper
106	100		
105	56.9	15.7	75.7
91	217.8	165.6	225.6

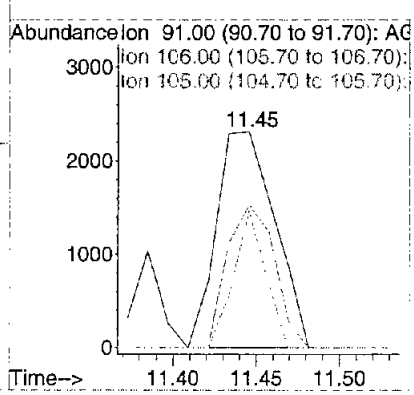


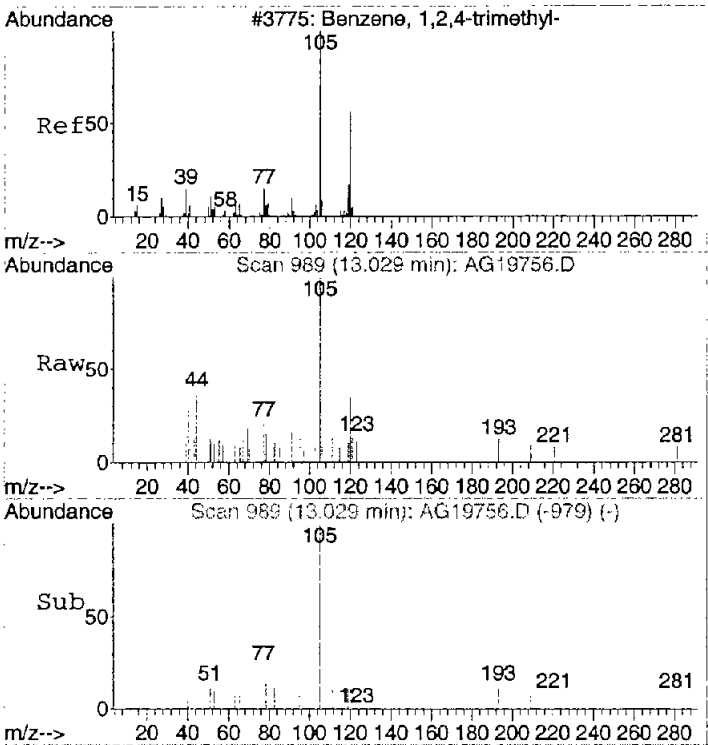


#60
o-Xylene
Concen: 0.04 ug/Kg
RT: 11.45 min Scan# 858
Delta R.T. 0.01 min
Lab File: AG19756.D
Acq: 3 Dec 2004 1:12 pm

Tgt Ion: 91 Resp: 5648

Ion	Ratio	Lower	Upper
91	100		
106	53.7	18.7	78.7
105	34.6	0.0	51.7

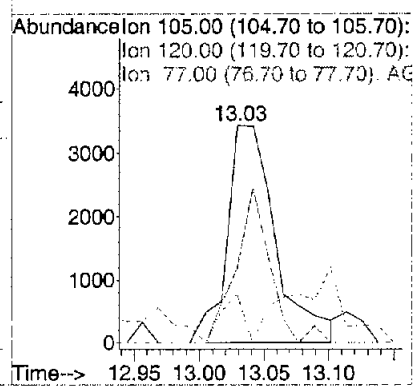


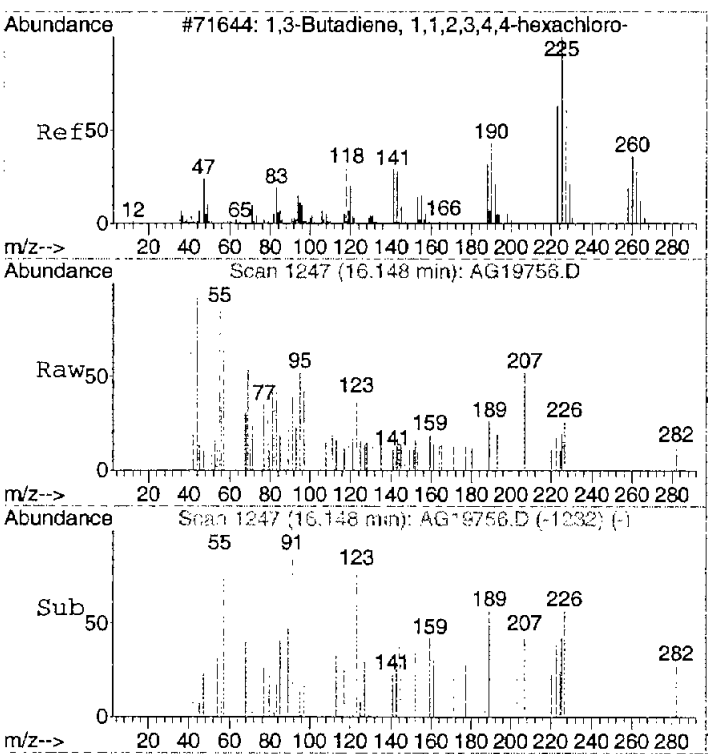


#73
1,2,4-Trimethylbenzene
Concen: 0.06 ug/Kg
RT: 13.03 min Scan# 989
Delta R.T. 0.00 min
Lab File: AG19756.D
Acq: 3 Dec 2004 1:12 pm

Tgt Ion:105 Resp: 9096

Ion	Ratio	Lower	Upper
105	100		
120	50.3	19.2	79.2
77	10.2	0.0	41.5

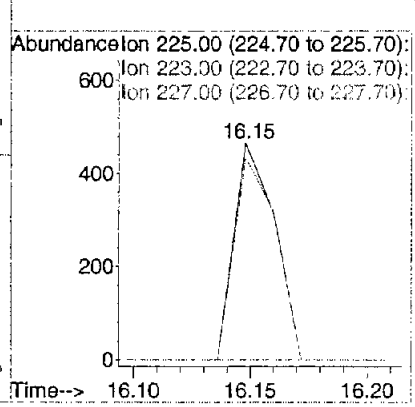


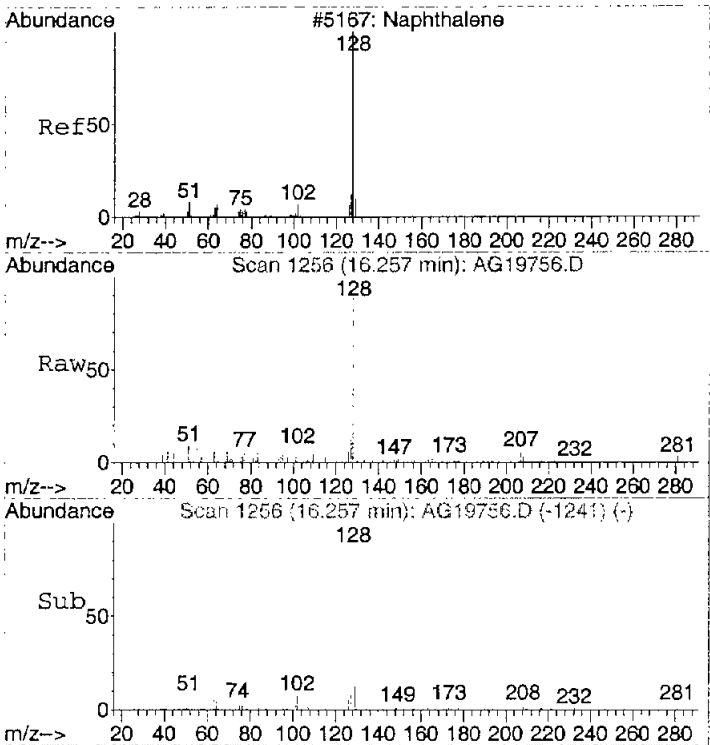


#84
Hexachlorobutadiene
Concen: Below Cal
RT: 16.15 min Scan# 1247
Delta R.T. -0.00 min
Lab File: AG19756.D
Acq: 3 Dec 2004 1:12 pm

Tgt Ion:225 Resp: 567

Ion	Ratio	Lower	Upper
225	100		
223	93.3	33.4	93.4
227	0.0	26.3	86.3#

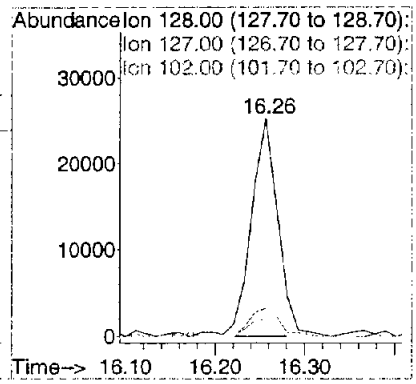




#85
Naphthalene
Concen: 0.55 ug/Kg
RT: 16.26 min Scan# 1256
Delta R.T. -0.00 min
Lab File: AG19756.D
Acq: 3 Dec 2004 1:12 pm

Tgt Ion:128 Resp: 53210

Ion	Ratio	Lower	Upper
128	100		
127	14.7	0.0	44.4
102	7.8	0.0	38.1



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19754.D
Acq On : 3 Dec 2004 12:21 pm
Sample : 4.0 ug/kg BS 8260 voa1056
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 06 10:53:55 2004

Vial: 4
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	930878	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1354685	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	254778	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	565021	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	425208	9.69	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 96.90%			
34) Fluorobenzene(S)	7.23	96	1504044	8.89	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 88.90%#			
36) Trifluorotoluene(S)	7.96	146	1500755	21.29	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 106.45%			
45) Toluene-d8(S)	9.02	98	1456993	9.82	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 98.20%			
55) Ethylbenzene-d10(S)	10.74	98	1804206	9.66	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 96.60%			
64) Bromofluorobenzene(S)	12.09	174	498254	10.38	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 103.80%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	208137	4.12	ug/Kg	92
3) Chloromethane	1.87	50	176551	3.32	ug/Kg	95
4) Vinyl Chloride	2.00	62	136550	3.92	ug/Kg	98
5) Bromomethane	2.40	94	51956	4.57	ug/Kg	96
6) Chloroethane	2.55	64	62368	3.83	ug/Kg	93
7) Trichlorofluoromethane	2.90	101	187987	3.69	ug/Kg	97
8) 1,1-Dichloroethene	3.64	96	153856	3.64	ug/Kg	97
9) 1,1,2-Trichlorotrifluoroet	3.65	151	157598	3.86	ug/Kg	88
10) Carbon Disulfide	3.91	76	2563833	16.09	ug/Kg	99
11) Acetone	3.73	43	955326	125.61	ug/Kg	99
12) tert-Butyl alcohol	5.73	59	434430	19.59	ug/Kg#	1
13) Methylene Chloride	4.31	49	373119	6.34	ug/Kg	98
14) Methyl tert-Butyl ether	4.66	73	470935	5.07	ug/Kg#	1
15) trans-1,2-Dichloroethene	4.66	96	173123	3.71	ug/Kg	97
16) Hexane	5.00	56	37813415	1117.62	ug/Kg#	1
17) Diisopropyl ether	5.29	45	521841	3.97	ug/Kg	98
18) 1,1-Dichloroethane	5.20	63	289563	3.69	ug/Kg	99
19) Vinyl Acetate	5.27	43	661501	8.67	ug/Kg	94
20) Ethyl tert-butyl ether	5.73	87	169035	3.68	ug/Kg#	1
21) 2,2-Dichloropropane	5.88	77	232165	3.76	ug/Kg	98
22) cis-1,2-Dichloroethene	5.91	96	187926	3.71	ug/Kg	94
23) 2-Butanone	5.92	57	35800	35.72	ug/Kg#	75
24) Bromochloromethane	6.19	49	144491	4.40	ug/Kg	93
25) Chloroform	6.30	85	180782	3.64	ug/Kg	95
26) 1,1,1-Trichloroethane	6.48	97	248984	3.84	ug/Kg	94
27) Cyclohexane	6.54	56	312331	3.63	ug/Kg	97
29) Carbon Tetrachloride	6.67	119	191561	3.51	ug/Kg	98
30) 1,1-Dichloropropene	6.67	75	199085	3.44	ug/Kg	98
31) tert-Amyl methyl ether	7.03	73	418155	4.52	ug/Kg	96
32) Benzene	6.91	78	625963	3.69	ug/Kg	97
33) 1,2-Dichloroethane	6.94	62	221567	4.40	ug/Kg	94
37) Trichloroethene	7.65	130	175094	3.74	ug/Kg	96
38) Methylcyclohexane	7.84	55	229209	3.98	ug/Kg	92
39) 1,2-Dichloropropane	7.90	63	161418	3.92	ug/Kg	91
40) Dibromomethane	8.05	174	117738	4.79	ug/Kg	98
41) Bromodichloromethane	8.23	83	184388	3.84	ug/Kg	98

44801

(#) = qualifier out of range (m) = manual integration

00380

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19754.D
Acq On : 3 Dec 2004 12:21 pm
Sample : 4.0 ug/kg BS 8260 voa1056
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 06 10:53:55 2004

Vial: 4
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	cis-1,3-Dichloropropene	8.71	75	221812	4.06	ug/Kg	95
44)	4-Methyl-2-pentanone	8.87	85	152504	39.19	ug/Kg#	90
46)	Toluene	9.09	91	696640	4.06	ug/Kg	98
47)	trans-1,3-Dichloropropene	9.35	75	176791	3.91	ug/Kg	97
48)	1,1,2-Trichloroethane	9.57	97	150385	4.90	ug/Kg	90
49)	Tetrachloroethene	9.73	164	148661	3.92	ug/Kg	95
50)	1,3-Dichloropropane	9.75	76	227292	4.67	ug/Kg	95
51)	2-Hexanone	9.83	85	55723	38.49	ug/Kg#	86
52)	Dibromochloromethane	10.03	129	119271	3.88	ug/Kg	98
53)	1,2-Dibromoethane	10.16	107	139693	4.94	ug/Kg	99
56)	Chlorobenzene	10.72	112	457701	3.93	ug/Kg	92
57)	1,1,1,2-Tetrachloroethane	10.82	131	137917	3.66	ug/Kg	97
58)	Ethylbenzene	10.83	91	726517	3.91	ug/Kg	100
59)	m,p-Xylene	10.97	106	572995	7.71	ug/Kg	99
60)	o-Xylene	11.45	91	554345	3.87	ug/Kg	98
61)	Styrene	11.47	104	286407	2.53	ug/Kg	83
62)	Bromoform	11.71	173	73127	4.06	ug/Kg	100
63)	Isopropylbenzene	11.88	105	652021	3.61	ug/Kg	97
65)	Bromobenzene	12.27	156	182639	3.85	ug/Kg	99
66)	1,1,2,2-Tetrachloroethane	12.27	83	307906+	5.48	ug/Kg	100
67)	1,2,3-Trichloropropane	12.32	110	60478	6.58	ug/Kg	93
68)	n-Propylbenzene	12.38	91	884587	3.99	ug/Kg	99
69)	2-Chlorotoluene	12.50	126	172118	3.64	ug/Kg	95
70)	4-Chlorotoluene	12.62	126	173680	3.69	ug/Kg	91
71)	1,3,5-Trimethylbenzene	12.58	105	547688	3.70	ug/Kg	98
72)	t-Butylbenzene	12.98	119	503256	3.67	ug/Kg	95
73)	1,2,4-Trimethylbenzene	13.04	105	602798	4.01	ug/Kg	96
74)	sec-Butylbenzene	13.25	105	778618	4.08	ug/Kg	98
75)	4-Isopropyltoluene	13.42	119	618222	3.71	ug/Kg	98
76)	1,3-Dichlorobenzene	13.40	146	331440	3.68	ug/Kg	98
78)	1,4-Dichlorobenzene	13.51	146	339567	3.59	ug/Kg	99
79)	n-Butylbenzene	13.92	134	158535	3.65	ug/Kg	99
80)	1,2-Dichlorobenzene	13.97	146	319642	3.66	ug/Kg	97
81)	1,2-Dibromo-3-chloropropan	14.93	75	29729	5.74	ug/Kg	99
82)	1,3,5-Trichlorobenzene	15.18	180	263177	3.56	ug/Kg	98
83)	1,2,4-Trichlorobenzene	15.95	180	224928	3.49	ug/Kg	91
84)	Hexachlorobutadiene	16.15	225	146375	3.59	ug/Kg	95
85)	Naphthalene	16.26	128	613089	5.39	ug/Kg	96
86)	1,2,3-Trichlorobenzene	16.56	180	213667	3.49	ug/Kg	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

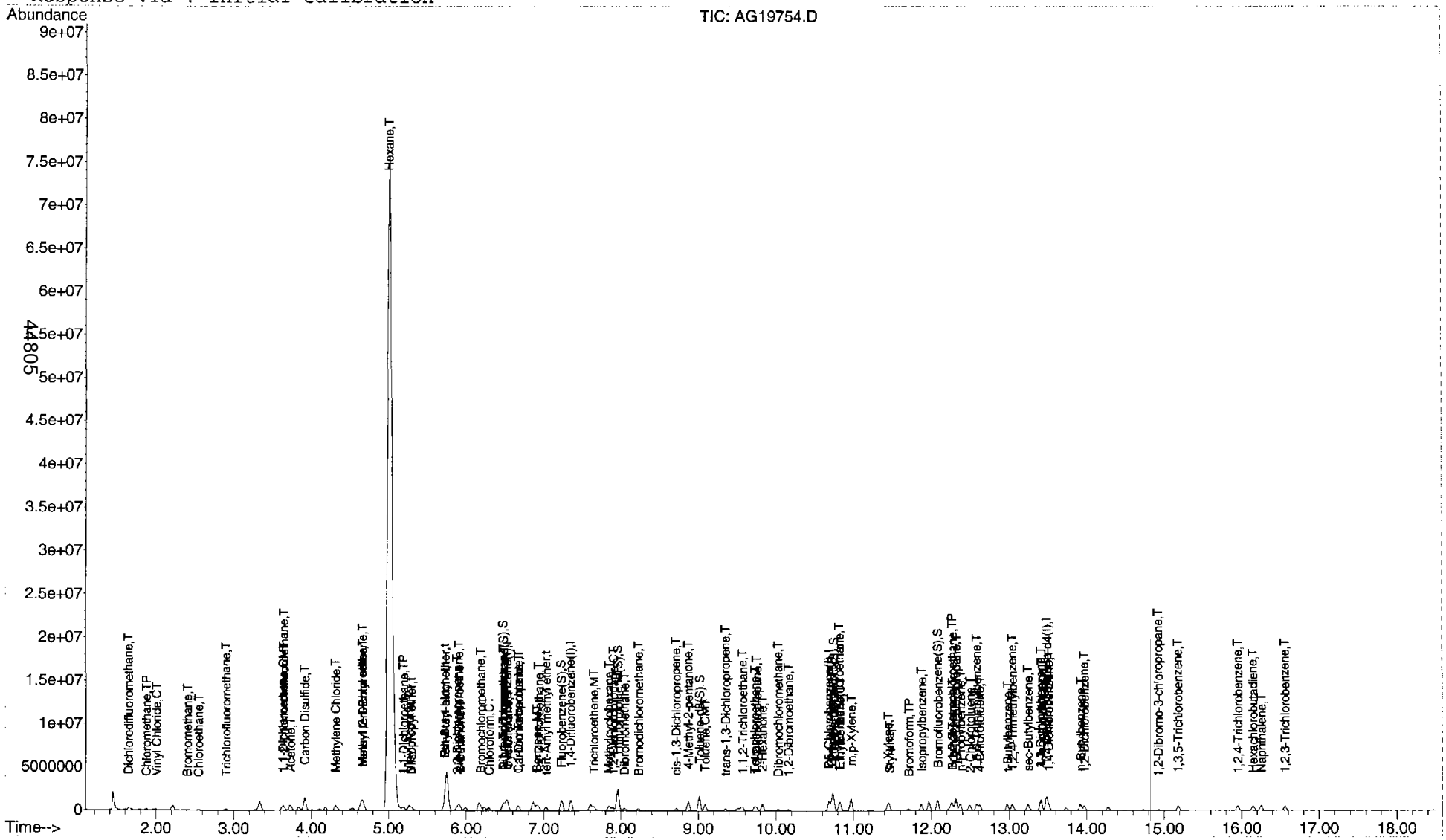
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19754.D
Acq On : 3 Dec 2004 12:21 pm
Sample : 4.0 ug/kg BS 8260 voa1056
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 6 10:53 2004

Vial: 4
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



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Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19755.D Vial: 5
Acq On : 3 Dec 2004 12:47 pm Operator: crf
Sample : 4.0 ug/kg BSD 8260 voa1056 Inst : VOAInst#3
Misc : Low soil Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 06 10:54:01 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	914464	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1348782	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	255058	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	570677	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	423517	9.82	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 98.20%			
34) Fluorobenzene(S)	7.23	96	1479154	8.90	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 89.00%#			
36) Trifluorotoluene(S)	7.96	146	1659356	23.64	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 118.20%			
45) Toluene-d8(S)	9.02	98	1425086	9.65	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 96.50%			
55) Ethylbenzene-d10(S)	10.74	98	1773324	9.49	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 94.90%			
64) Bromofluorobenzene(S)	12.09	174	487565	10.14	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 101.40%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	223882	4.52	ug/Kg	97
3) Chloromethane	1.87	50	186747	3.63	ug/Kg	95
4) Vinyl Chloride	1.99	62	146186	4.27	ug/Kg	99
5) Bromomethane	2.40	94	65258	5.83	ug/Kg	100
6) Chloroethane	2.55	64	73172	4.58	ug/Kg	98
7) Trichlorofluoromethane	2.90	101	198332	3.99	ug/Kg	94
8) 1,1-Dichloroethene	3.64	96	122367	2.94	ug/Kg	96
9) 1,1,2-Trichlorotrifluoroet	3.65	151	141431	3.53	ug/Kg	93
10) Carbon Disulfide	3.91	76	2638235	16.85	ug/Kg	98
11) Acetone	3.73	43	781506	104.52	ug/Kg	98
12) tert-Butyl alcohol	5.73	59	462262	21.22	ug/Kg#	1
13) Methylene Chloride	4.31	49	340588	5.84	ug/Kg	98
14) Methyl tert-Butyl ether	4.66	73	511052	5.60	ug/Kg#	43
15) trans-1,2-Dichloroethene	4.66	96	186617	4.07	ug/Kg	96
16) Hexane	5.00	56	25181575	757.58	ug/Kg	87
17) Diisopropyl ether	5.29	45	552823	4.28	ug/Kg	99
18) 1,1-Dichloroethane	5.20	63	317164	4.12	ug/Kg	98
19) Vinyl Acetate	5.27	43	724047	9.66	ug/Kg	96
20) Ethyl tert-butyl ether	5.73	87	195922	4.35	ug/Kg#	1
21) 2,2-Dichloropropane	5.88	77	258466	4.26	ug/Kg	98
22) cis-1,2-Dichloroethene	5.91	96	204081	4.11	ug/Kg	93
23) 2-Butanone	5.92	57	39189	39.95	ug/Kg#	73
24) Bromochloromethane	6.19	49	157419	4.88	ug/Kg	93
25) Chloroform	6.30	85	203351	4.17	ug/Kg	97
26) 1,1,1-Trichloroethane	6.48	97	263025	4.13	ug/Kg	92
27) Cyclohexane	6.53	56	333417	3.94	ug/Kg	99
29) Carbon Tetrachloride	6.67	119	201694	3.76	ug/Kg	100
30) 1,1-Dichloropropene	6.67	75	219467	3.87	ug/Kg	98
31) tert-Amyl methyl ether	7.03	73	449003	4.94	ug/Kg	97
32) Benzene	6.91	78	666512	4.00	ug/Kg	96
33) 1,2-Dichloroethane	6.94	62	236832	4.79	ug/Kg	94
37) Trichloroethene	7.65	130	186925	4.01	ug/Kg	97
38) Methylcyclohexane	7.84	55	235823	4.12	ug/Kg	95
39) 1,2-Dichloropropane	7.89	63	159765	3.90	ug/Kg	88
40) Dibromomethane	8.05	174	130171	5.32	ug/Kg	96
41) Bromodichloromethane	8.23	83	193238	4.04	ug/Kg	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19755.D
Acq On : 3 Dec 2004 12:47 pm
Sample : 4.0 ug/kg BSD 8260 voa1056
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 06 10:54:01 2004

Vial: 5
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	cis-1,3-Dichloropropene	8.71	75	233963	4.30	ug/Kg	97
44)	4-Methyl-2-pentanone	8.87	85	177258	45.75	ug/Kg	96
46)	Toluene	9.09	91	720594	4.22	ug/Kg	99
47)	trans-1,3-Dichloropropene	9.35	75	186347	4.14	ug/Kg	94
48)	1,1,2-Trichloroethane	9.57	97	157093	5.14	ug/Kg	95
49)	Tetrachloroethene	9.73	164	158870	4.20	ug/Kg	94
50)	1,3-Dichloropropane	9.75	76	238299	4.92	ug/Kg	97
51)	2-Hexanone	9.83	85	61325	42.54	ug/Kg#	93
52)	Dibromochloromethane	10.03	129	124791	4.08	ug/Kg	98
53)	1,2-Dibromoethane	10.16	107	149225	5.30	ug/Kg	97
56)	Chlorobenzene	10.72	112	475713	4.08	ug/Kg	92
57)	1,1,1,2-Tetrachloroethane	10.82	131	146879	3.90	ug/Kg	95
58)	Ethylbenzene	10.83	91	763598	4.11	ug/Kg	98
59)	m,p-Xylene	10.97	106	605420	8.13	ug/Kg	99
60)	o-Xylene	11.45	91	580750	4.05	ug/Kg	97
61)	Styrene	11.46	104	364280	3.22	ug/Kg	86
62)	Bromoform	11.71	173	82902	4.60	ug/Kg	97
63)	Isopropylbenzene	11.88	105	697171	3.85	ug/Kg	98
65)	Bromobenzene	12.27	156	192911	4.07	ug/Kg	99
66)	1,1,2,2-Tetrachloroethane	12.26	83	352430+	6.27	ug/Kg	99
67)	1,2,3-Trichloropropane	12.32	110	66852	7.30	ug/Kg#	69
68)	n-Propylbenzene	12.36	91	940672	4.24	ug/Kg	98
69)	2-Chlorotoluene	12.50	126	186098	3.93	ug/Kg	95
70)	4-Chlorotoluene	12.62	126	182161	3.87	ug/Kg	85
71)	1,3,5-Trimethylbenzene	12.58	105	583528	3.94	ug/Kg	100
72)	t-Butylbenzene	12.98	119	533297	3.88	ug/Kg	93
73)	1,2,4-Trimethylbenzene	13.04	105	624161	4.15	ug/Kg	98
74)	sec-Butylbenzene	13.25	105	827887	4.33	ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	659559	3.95	ug/Kg	98
76)	1,3-Dichlorobenzene	13.40	146	350784	3.89	ug/Kg	97
78)	1,4-Dichlorobenzene	13.51	146	357130	3.74	ug/Kg	97
79)	n-Butylbenzene	13.92	134	175447	4.00	ug/Kg	94
80)	1,2-Dichlorobenzene	13.97	146	343699	3.90	ug/Kg	97
81)	1,2-Dibromo-3-chloropropan	14.93	75	39446	7.54	ug/Kg	89
82)	1,3,5-Trichlorobenzene	15.18	180	292233	3.91	ug/Kg	99
83)	1,2,4-Trichlorobenzene	15.95	180	259132	3.98	ug/Kg	95
84)	Hexachlorobutadiene	16.15	225	169303	4.14	ug/Kg	94
85)	Naphthalene	16.26	128	807677	7.03	ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	266685	4.31	ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

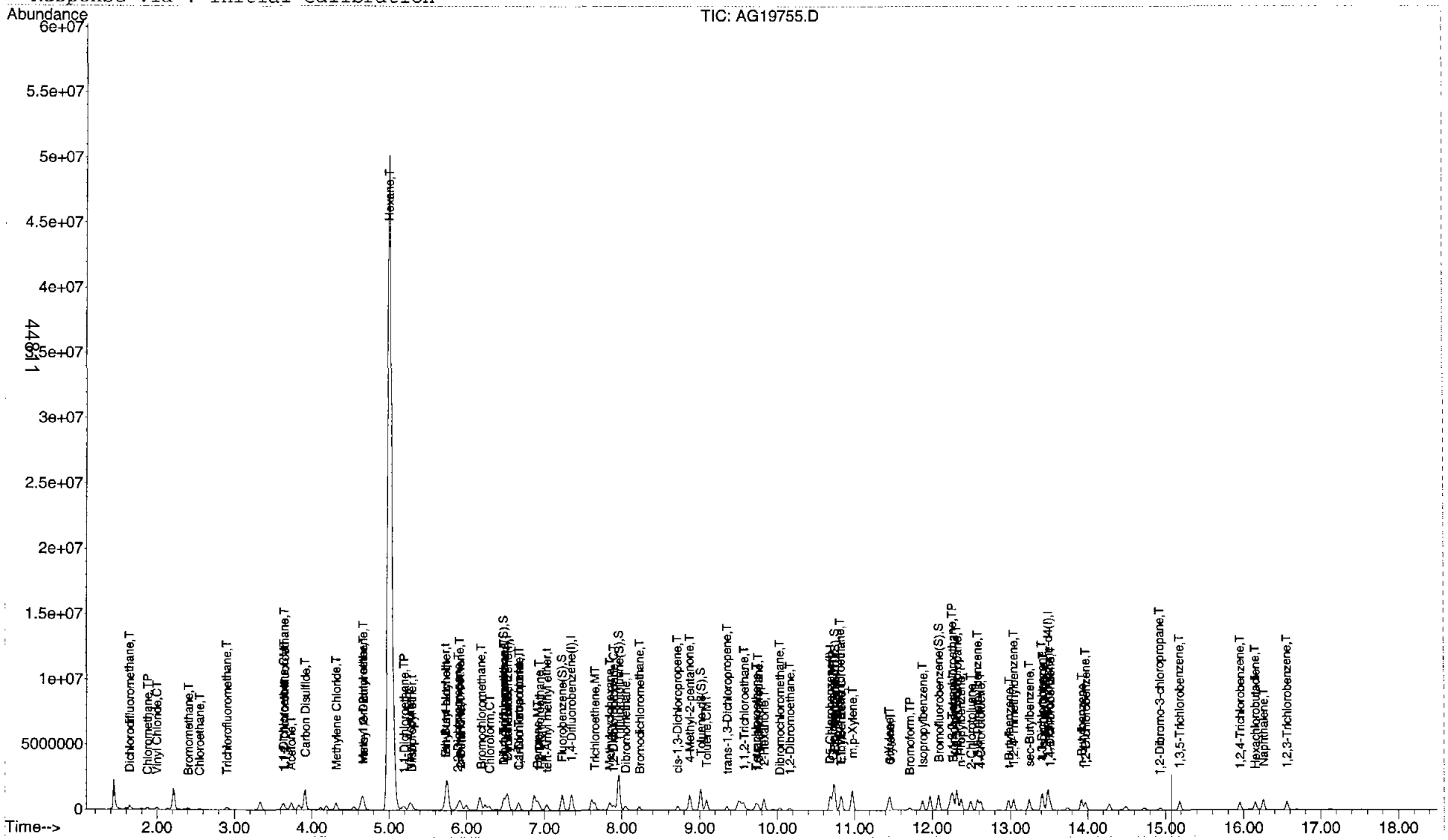
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19755.D
Acq On : 3 Dec 2004 12:47 pm
Sample : 4.0 ug/kg BSD 8260 voa1056
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 6 10:54 2004

Vial: 5
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



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The following conditions apply to initial calibration 11022004_lowsoil_8260 for direct soil purge analysis:

1. All standards and QC samples are prepared in 5 grams Ottawa sand. Calibration is based on 5gram sample size.
2. The upper quantitation limit for Bromomethane is 20 ug/Kg.
3. The upper quantitation limit for Chloroethane is 100 ug/Kg.
4. The upper quantitation limit for Vinyl acetate is 500 ug/Kg.

Sequence Log

Directory : g:\DATA\11022004

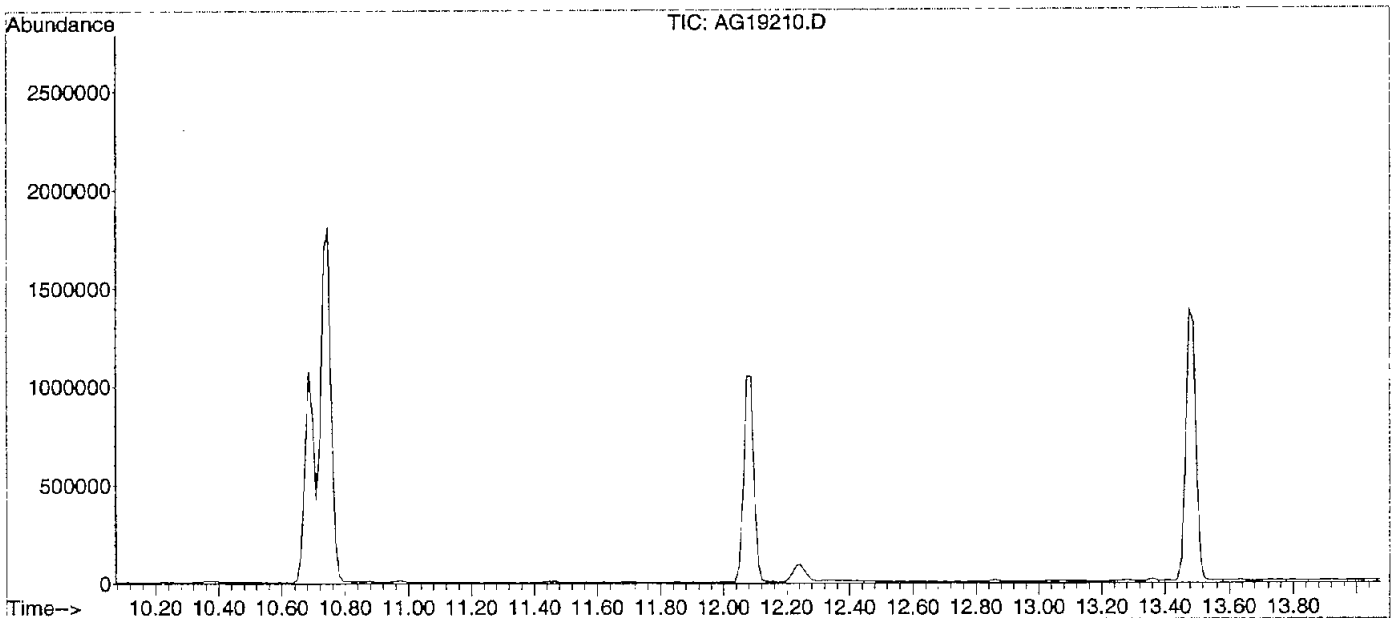
11/3/2004

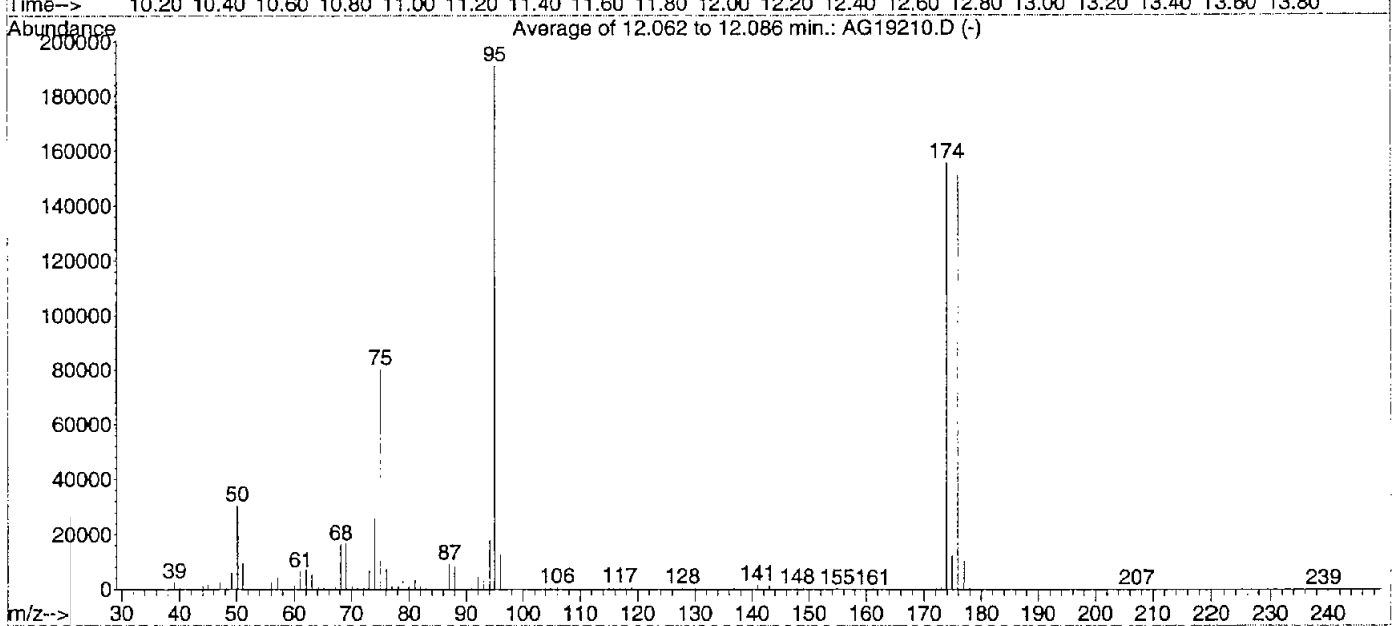
#	Filename	Sample Name	Date/Time
1	ag19210.d	bfb tune	11/02/04 12:01
2	ag19211.d	prime	11/02/04 12:26
3	ag19212.d	0.4 ug/Kg MDL check / initial calibration	11/02/04 12:52
4	ag19213.d	0.8 ug/Kg initial calibration	11/02/04 13:18
5	ag19214.d	2.0 ug/Kg initial calibration	11/02/04 13:43
6	ag19215.d	4.0 ug/Kg initial calibration	11/02/04 14:09
7	ag19216.d	10 ug/Kg initial calibration	11/02/04 14:34
8	ag19217.d	20 ug/Kg initial calibration	11/02/04 15:00
9	ag19218.d	40 ug/Kg initial calibration	11/02/04 15:26
10	ag19219.d	100 ug/Kg initial calibration	11/02/04 15:51
11	ag19220.d	200 ug/Kg initial calibration	11/02/04 16:17
12	ag19221.d	bfb tune	11/02/04 16:42
13	ag19222.d	bfb tune	11/02/04 17:08
14	ag19223.d	4.0 ug/Kg ccal	11/02/04 17:34
15	ag19224.d	4.0 ug/Kg ICV/bs voa1008	11/02/04 17:59
16	ag19224.d	4.0 ug/Kg ICV/bs voa1008	11/02/04 17:59
17	ag19225.d	4.0 ug/Kg ICV/bsd voa1008	11/02/04 18:25
18	ag19226.d	4.0 ug/Kg bs voa1010	11/02/04 18:50
19	ag19227.d	4.0 ug/Kg bsd voa1010	11/02/04 19:16
20	ag19228.d	Instr. blank	11/02/04 19:42
21	ag19229.d	Reagent MB voa1008	11/02/04 20:07
22	ag19230.d	Reagent MB voa1010	11/02/04 20:33
23	ag19231.d	124525-01 voa1010	11/02/04 20:58
24	ag19232.d	124525-02 voa1010	11/02/04 21:24
25	ag19233.d	124525-03 voa1010	11/02/04 21:49
26	ag19234.d	124525-04 voa1010	11/02/04 22:15
27	ag19235.d	124525-05 voa1010	11/02/04 22:41
28	ag19236.d	124525-06 voa1010	11/02/04 23:07
29	ag19237.d	124525-07 voa1010	11/02/04 23:32
30	ag19238.d	124525-08 voa1010	11/02/04 23:58
31	ag19239.d	124533-01 voa1010	11/03/04 00:24
32	ag19240.d	124533-02 voa1010	11/03/04 00:49
33	ag19241.d	124533-03 voa1010	11/03/04 01:15
34	ag19242.d	124533-04 voa1010	11/03/04 01:41
35	ag19243.d	124533-05 voa1010	11/03/04 02:06
36	ag19244.d	124533-06 voa1010	11/03/04 02:32
37	ag19245.d	124541-01 voa1008	11/03/04 02:58
38	ag19246.d	124541-01 dup voa1008	11/03/04 03:23
39	ag19247.d	124541-01 ms voa1008	11/03/04 03:49
40	ag19248.d	rinse	11/03/04 04:15
41	ag19249.d	rinse	11/03/04 04:40

CLPBFB

Data File : E:\DATA\11022004\AG19210.D
Acq On : 2 Nov 2004 12:01 pm
Sample : bfb tune
Misc : solid #5.000
MS Integration Params: RTEINT.P
Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge

Vial: 2
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00





AutoFind: Scans 909, 910, 911; Background Corrected with Scan 901

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.9	30389	PASS
75	95	30	60	42.1	80394	PASS
95	95	100	100	100.0	191058	PASS
96	95	5	9	6.7	12794	PASS
173	174	0.00	2	0.4	626	PASS
174	95	50	100	81.4	155432	PASS
175	174	5	9	7.8	12073	PASS
176	174	95	101	97.1	150973	PASS
177	176	5	9	6.8	10277	PASS

AG19210.D 11022004_LOWSOIL_8260.M Fri Nov 05 16:19:31 2004

Response Factor Report VOAInst#3

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration

Calibration Files
0.4 =AG19212.D 0.8 =AG19213.D 2.0 =AG19214.D
4.0 =AG19215.D 10 =AG19216.D 20 =AG19217.D

		Compound	0.4	0.8	2.0	4.0	10	20	Avg	%RSD
1)	I	Pentafluorobenzene(I)	----------ISTD----------							
2)	T	Dichlorodifluor	0.537	0.590	0.548	0.533	0.578	0.565	0.542	5.59
3)	TP	Chloromethane	1.224	0.866	0.659	0.582	0.517	0.500	0.643	39.15
4)	CT	Vinyl Chloride	0.353	0.379	0.345	0.385	0.378	0.371	0.374	5.51
5)	T	Bromomethane	0.209	0.143	0.102	0.125	0.132	0.136	0.141	25.46
6)	T	Chloroethane	0.168	0.153	0.191	0.196	0.177	0.176	0.175	8.07
7)	T	Trichlorofluoro	0.755	0.606	0.737	0.533	0.566	0.544	0.586	16.51
8)	CMT	1,1-Dichloroeth	0.474	0.502	0.484	0.453	0.439	0.448	0.455	6.47
9)	T	1,1,2-Trichloro	0.497	0.444	0.418	0.435	0.441	0.429	0.439	5.42
10)	T	Carbon Disulfid	2.028	1.790	1.752	1.665	1.683	1.681	1.712	10.42
11)	T	Acetone	0.252	0.178	0.086	0.124	0.119	0.071	0.122	48.07
12)	t	tert-Butyl alco	0.214	0.232	0.227	0.250	0.245	0.243	0.238	5.07
13)	T	Methylene Chlor	1.600	1.109	0.787	0.680	0.634	0.608	0.794	43.72
14)	T	Methyl tert-But	0.927	0.985	0.945	1.042	1.042	1.043	0.997	4.42
15)	T	trans-1,2-Dichl	0.546	0.490	0.513	0.508	0.512	0.503	0.502	5.68
16)	T	Hexane	0.523	0.416	0.343	0.430	0.403	0.373	0.393	16.02
17)	t	Diisopropyl eth	1.295	1.327	1.449	1.563	1.504	1.473	1.411	7.13
18)	TP	1,1-Dichloroeth	0.866	0.872	0.866	0.817	0.848	0.831	0.842	3.47
19)	T	Vinyl Acetate	0.739	0.792	0.818	0.881	0.911	0.906	0.819	13.11
20)	t	Ethyl tert-buty	0.449	0.460	0.472	0.507	0.510	0.509	0.493	5.24
21)	T	2,2-Dichloropro	0.758	0.675	0.662	0.627	0.624	0.632	0.663	6.11
22)	T	cis-1,2-Dichlor	0.610	0.544	0.570	0.538	0.534	0.534	0.544	6.05
23)	T	2-Butanone	0.017	0.013	0.010	0.012	0.013	0.010	0.012#	20.50
24)	T	Bromochlorometh	0.362	0.366	0.373	0.378	0.363	0.361	0.353	7.75
25)	CT	Chloroform	0.557	0.551	0.537	0.533	0.526	0.524	0.533	3.18
26)	T	1,1,1-Trichloro	0.710	0.719	0.691	0.674	0.694	0.681	0.696	2.81
27)	T	Cyclohexane	1.199	1.034	0.882	0.895	0.871	0.858	0.925	12.75
28)	S	Dibromofluorome	0.493	0.491	0.474	0.470	0.474	0.475	0.471	4.67
29)	T	Carbon Tetrachl	0.575	0.556	0.582	0.576	0.573	0.573	0.586	3.86
30)	T	1,1-Dichloropro	0.667	0.589	0.623	0.617	0.625	0.622	0.621	3.79
31)	t	tert-Amyl methy	0.892	0.902	0.937	1.019	1.042	1.040	0.994	6.64
32)	MT	Benzene	2.030	2.023	1.939	1.827	1.860	1.814	1.821	12.00
33)	T	1,2-Dichloroeth	0.517	0.526	0.553	0.544	0.544	0.548	0.540	2.46
34)	S	Fluorobenzene(S	1.912	1.824	1.847	1.777	1.790	1.766	1.817	2.76
35)	I	1,4-Difluorobenzene(I	----------ISTD----------							
36)	S	Trifluorotoluen	0.578	0.549	0.524	0.554	0.536	0.534	0.520	11.78
37)	MT	Trichloroethene	0.382	0.352	0.348	0.347	0.344	0.344	0.346	5.73
38)	T	Methylcyclohexa	0.435	0.452	0.405	0.440	0.442	0.428	0.425	4.87
39)	CT	1,2-Dichloropro	0.344	0.324	0.318	0.302	0.293	0.300	0.304	7.49
40)	T	Dibromomethane	0.191	0.166	0.176	0.188	0.179	0.186	0.181	4.60
41)	T	Bromodichlorome	0.344	0.336	0.337	0.357	0.357	0.365	0.354	4.35
42)	T	2-Chloroethyl V	0.046	0.056	0.057	0.070	0.070	0.067	0.060#	14.70
43)	T	cis-1,3-Dichlor	0.373	0.374	0.404	0.385	0.411	0.421	0.403	5.54
44)	T	4-Methyl-2-pent	0.026	0.028	0.026	0.029	0.031	0.031	0.029#	7.00
45)	S	Toluene-d8(S)	1.109	1.110	1.125	1.089	1.070	1.076	1.095	1.82
46)	CMT	Toluene	1.489	1.365	1.302	1.284	1.274	1.271	1.267	13.24
47)	T	trans-1,3-Dichl	0.290	0.299	0.312	0.323	0.343	0.363	0.334	8.71
48)	T	1,1,2-Trichloro	0.251	0.257	0.225	0.224	0.224	0.228	0.227	7.91
49)	T	Tetrachloroethe	0.340	0.270	0.282	0.278	0.279	0.275	0.280	8.68
50)	T	1,3-Dichloropro	0.367	0.347	0.366	0.370	0.363	0.371	0.359	4.01
51)	T	2-Hexanone	0.013	0.011	0.008	0.012	0.012	0.010	0.011#	11.54
52)	T	Dibromochlorome	0.193	0.212	0.207	0.215	0.224	0.242	0.227	9.58
53)	T	1,2-Dibromoetha	0.189	0.208	0.199	0.219	0.214	0.220	0.209	4.98
54)	I	D5-Chlorobenzene(I)	----------ISTD----------							
55)	S	Ethylbenzene-d1	7.528	7.441	7.527	7.212	7.276	7.181	7.329	2.26

(#) = Out of Range ### Number of calibration levels exceeded format ###

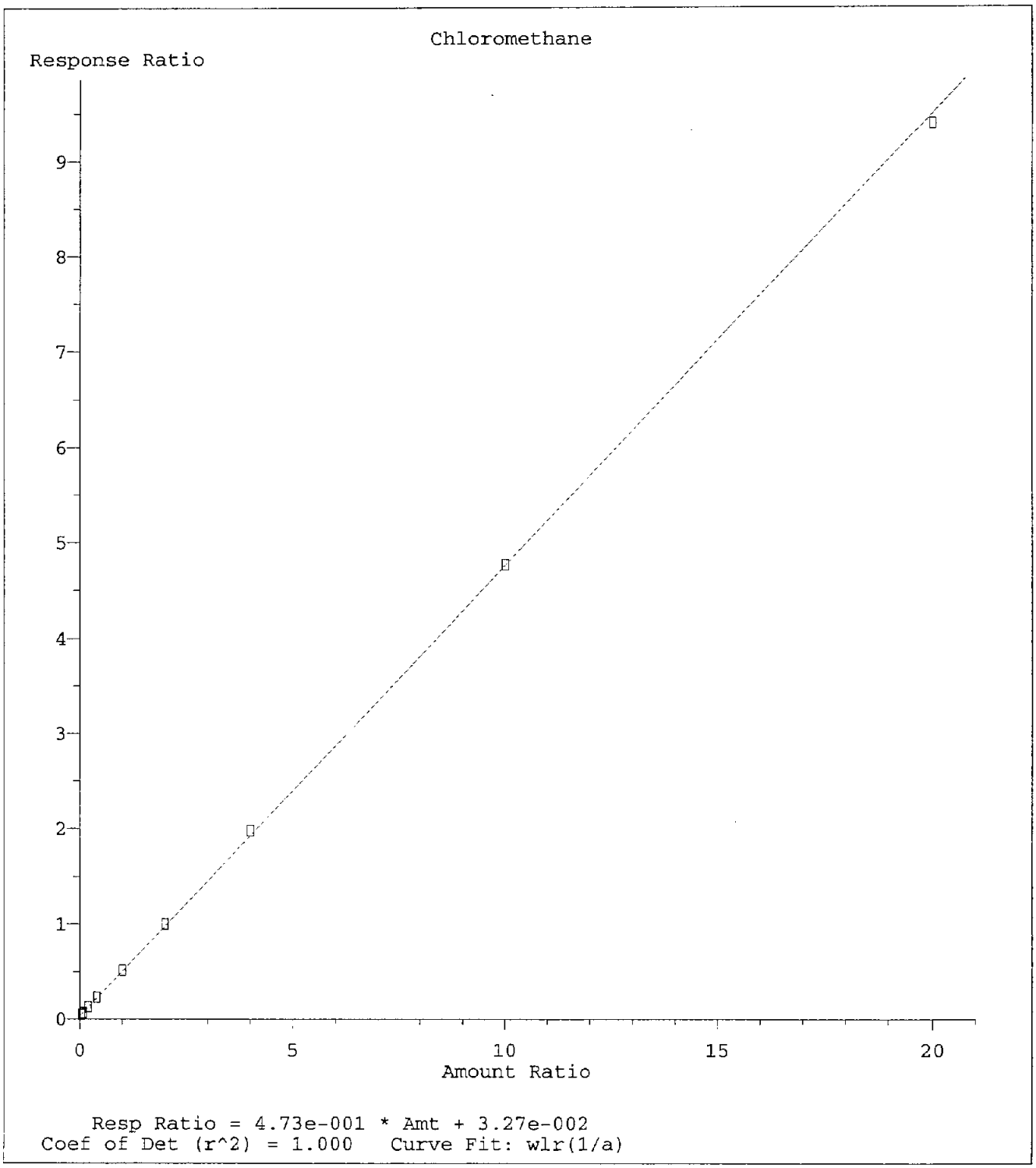
Response Factor Report VOAInst#3

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration

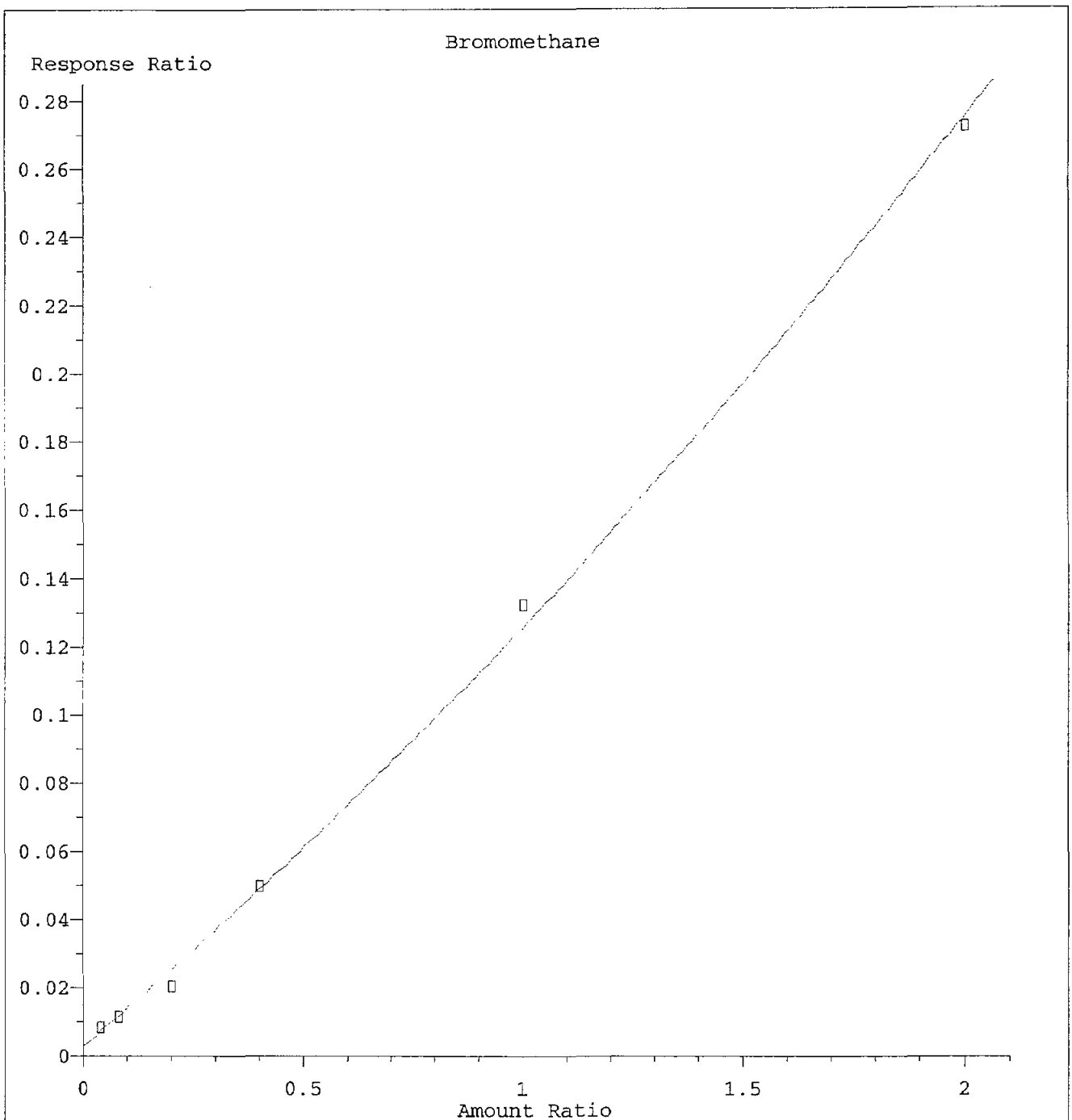
Calibration Files
0.4 =AG19212.D 0.8 =AG19213.D 2.0 =AG19214.D
4.0 =AG19215.D 10 =AG19216.D 20 =AG19217.D

		Compound	0.4	0.8	2.0	4.0	10	20	Avg	%RSD
56)	MTP	Chlorobenzene	5.106	4.870	4.939	4.709	4.609	4.450	4.570	9.52
57)	T	1,1,1,2-Tetrach	1.414	1.572	1.467	1.413	1.492	1.481	1.477	4.42
58)	CT	Ethylbenzene	7.843	7.585	7.708	7.571	7.548	7.459	7.293	12.91
59)	T	m,p-Xylene	3.022	2.954	3.086	2.987	3.022	2.975	2.919	8.69
60)	T	o-Xylene	5.454	5.783	5.918	5.617	5.803	5.750	5.618	8.42
61)	T	Styrene	4.087	4.233	4.424	4.423	4.628	4.668	4.439	7.37
62)	TP	Bromoform	0.665	0.627	0.603	0.604	0.688	0.728	0.707	13.01
63)	T	Isopropylbenzen	7.167	6.977	7.423	7.240	7.421	7.404	7.096	12.22
64)	S	Bromofluorobenz	1.884	1.986	2.010	1.908	1.890	1.884	1.884	6.52
65)	T	Bromobenzene	2.080	1.825	1.893	1.790	1.844	1.816	1.860	5.11
66)	TP	1,1,2,2-Tetrach	2.460	2.464	2.192	2.211	2.252	2.172	2.203	8.19
67)	T	1,2,3-Trichloro	0.576	0.410	0.381	0.407	0.403	0.374	0.400	17.69
68)	T	n-Propylbenzene	9.242	9.140	9.029	9.268	9.257	9.292	8.699	14.90
69)	T	2-Chlorotoluene	1.938	1.855	1.895	1.861	1.807	1.819	1.855	3.14
70)	T	4-Chlorotoluene	1.826	1.786	1.941	1.841	1.864	1.843	1.847	2.88
71)	T	1,3,5-Trimethyl	5.532	5.664	6.132	5.799	6.073	6.082	5.807	10.40
72)	T	t-Butylbenzene	5.396	5.397	5.506	5.303	5.482	5.437	5.386	7.51
73)	T	1,2,4-Trimethyl	5.999	5.817	5.990	5.980	6.128	6.126	5.900	9.91
74)	T	sec-Butylbenzen	7.551	7.478	7.748	7.783	7.975	7.967	7.488	13.06
75)	T	4-Isopropyltolu	6.989	6.520	6.568	6.692	6.919	6.892	6.539	11.95
76)	T	1,3-Dichloroben	3.698	3.666	3.698	3.598	3.526	3.513	3.532	4.94
77)	I	1,4-Dichlorobenzene-d ----------ISTD----------								
78)	T	1,4-Dichloroben	2.042	1.721	1.706	1.612	1.657	1.651	1.674	9.24
79)	T	n-Butylbenzene	0.759	0.718	0.714	0.773	0.836	0.800	0.768	5.32
80)	T	1,2-Dichloroben	1.639	1.615	1.584	1.527	1.550	1.533	1.544	4.18
81)	T	1,2-Dibromo-3-c	0.116	0.090	0.082	0.079	0.088	0.091	0.092#	11.60
82)	T	1,3,5-Trichloro	1.687	1.359	1.314	1.266	1.286	1.266	1.309	11.61
83)	T	1,2,4-Trichloro	1.409	1.134	1.151	1.107	1.121	1.134	1.142	9.16
84)	T	Hexachlorobutad	1.048	0.771	0.721	0.735	0.744	0.719	0.753	15.40
85)	T	Naphthalene	2.325	2.187	1.901	1.926	1.940	2.048	2.014	8.04
86)	T	1,2,3-Trichloro	1.461	1.135	1.018	1.031	1.043	1.060	1.085	13.55

(#) = Out of Range ### Number of calibration levels exceeded format ###

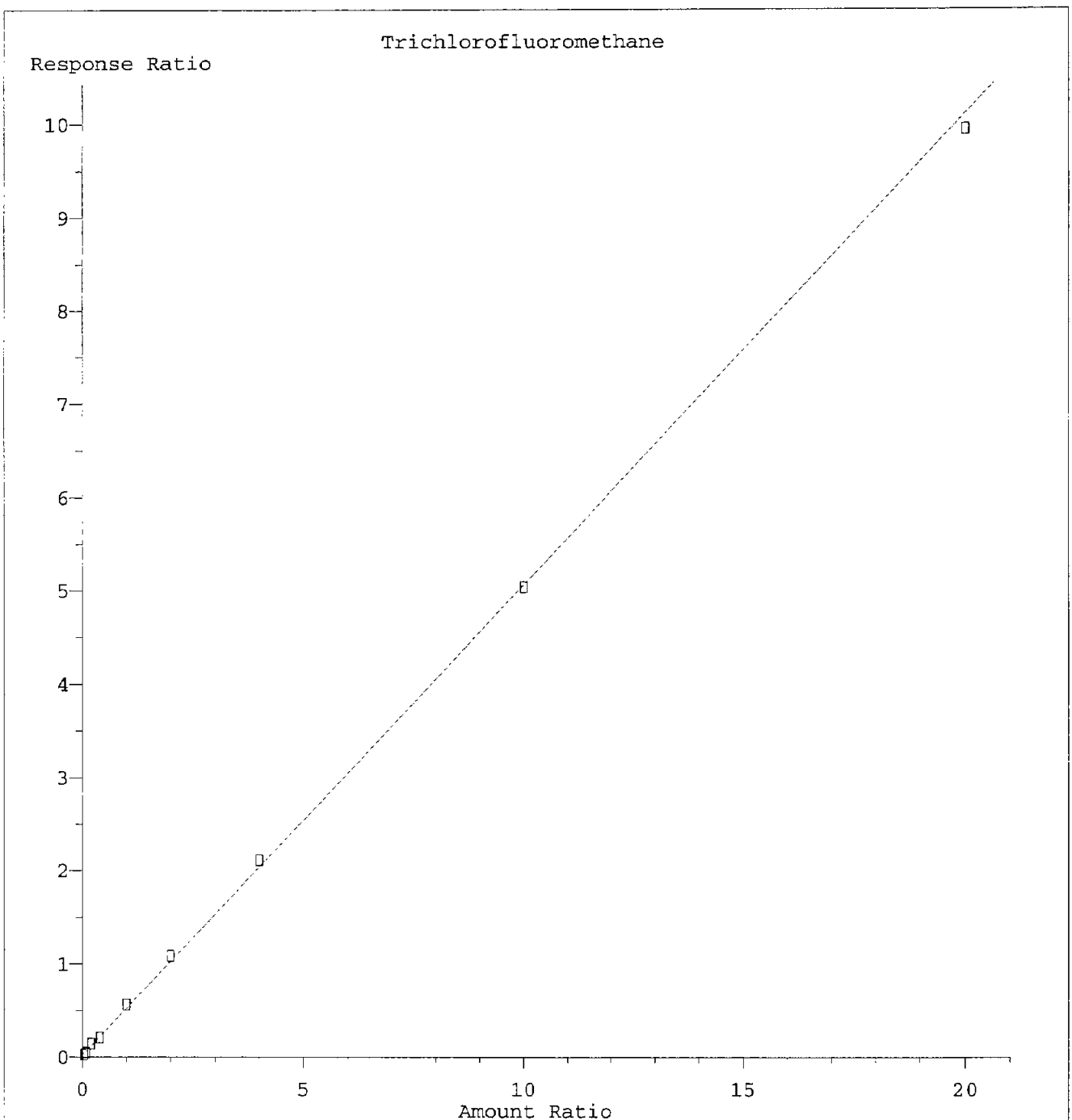


Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004



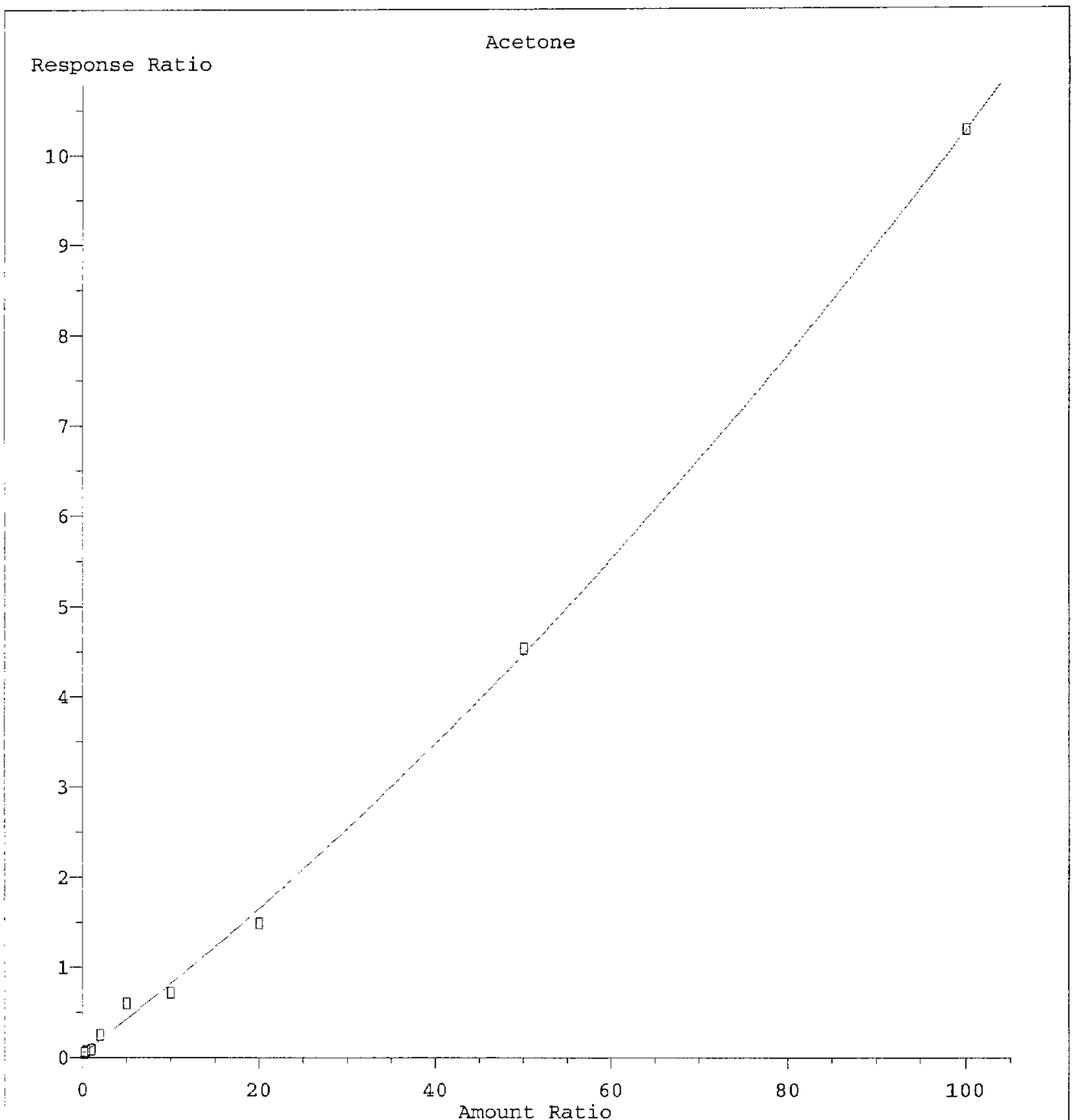
R = 1.34e-002 A*A + 1.09e-001 A + 3.04e-003
Coef of Det (r^2) = 0.996 Curve Fit: Quadratic w(1/a)

Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004



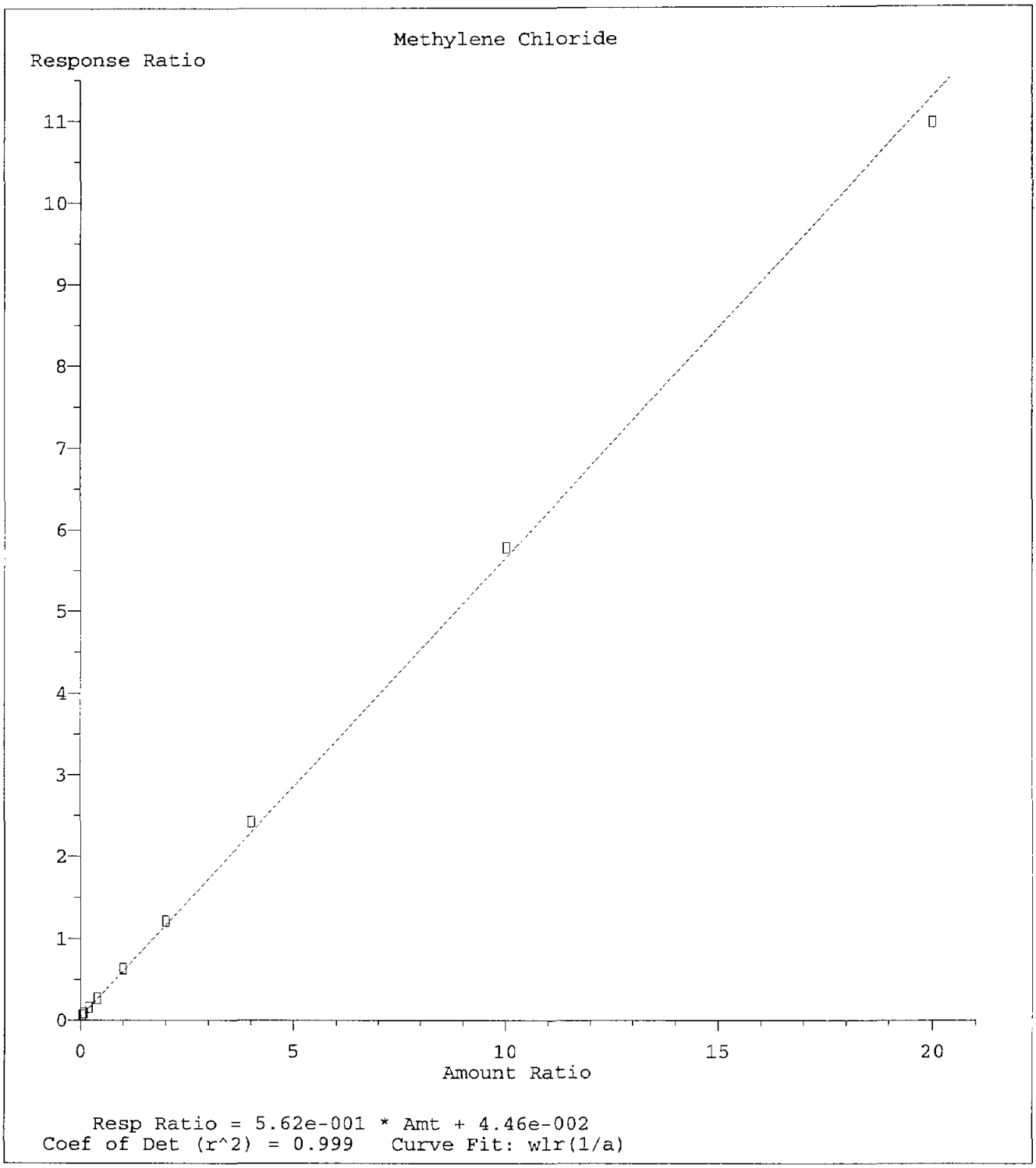
Resp Ratio = 5.05e-001 * Amt + 1.55e-002
Coef of Det (r^2) = 0.999 Curve Fit: wlr(1/a)

Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004

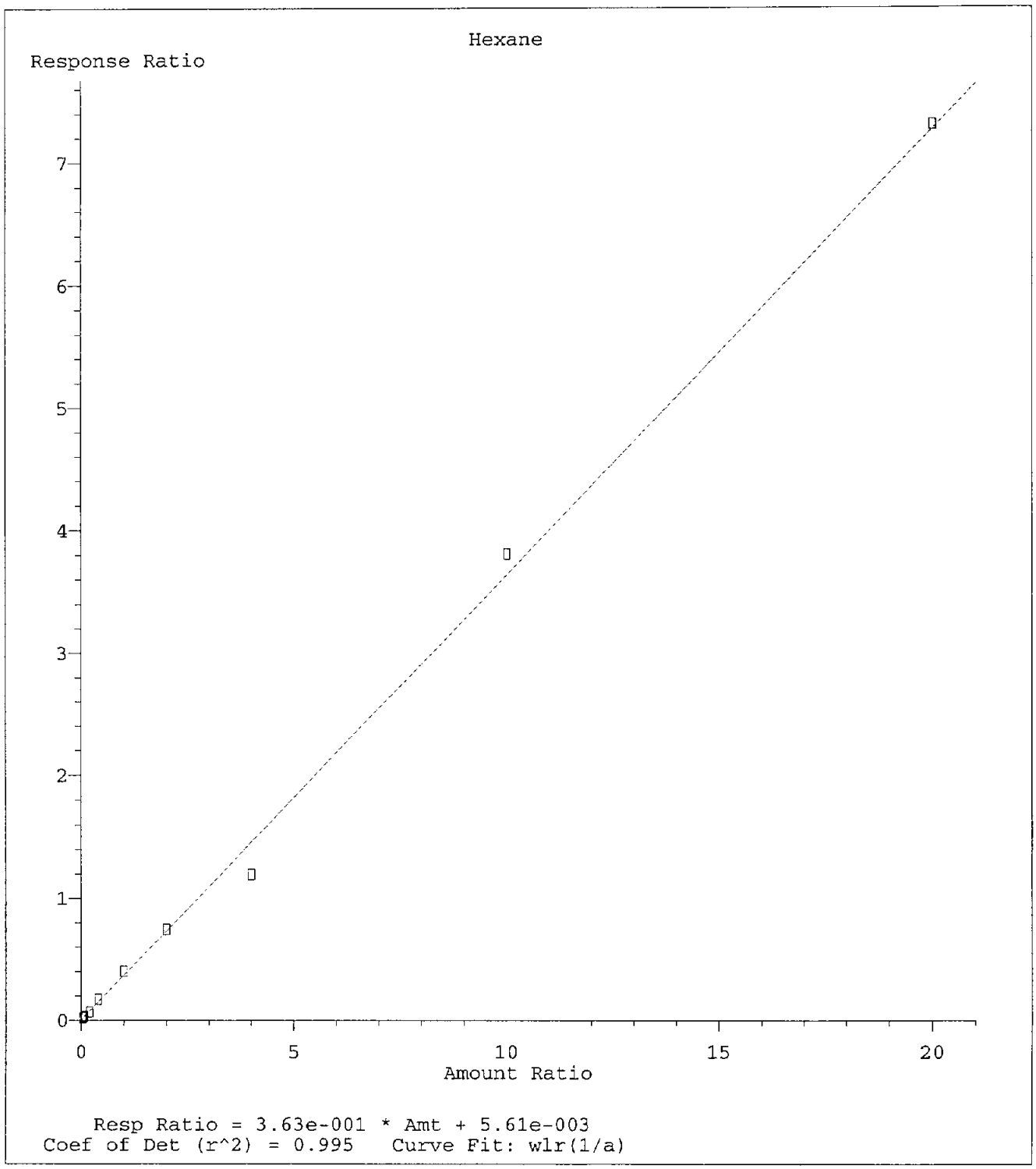


R = 2.71e-004 A*A + 7.51e-002 A + 3.96e-002
Coef of Det (r^2) = 0.993 Curve Fit: Quadratic w(1/a)

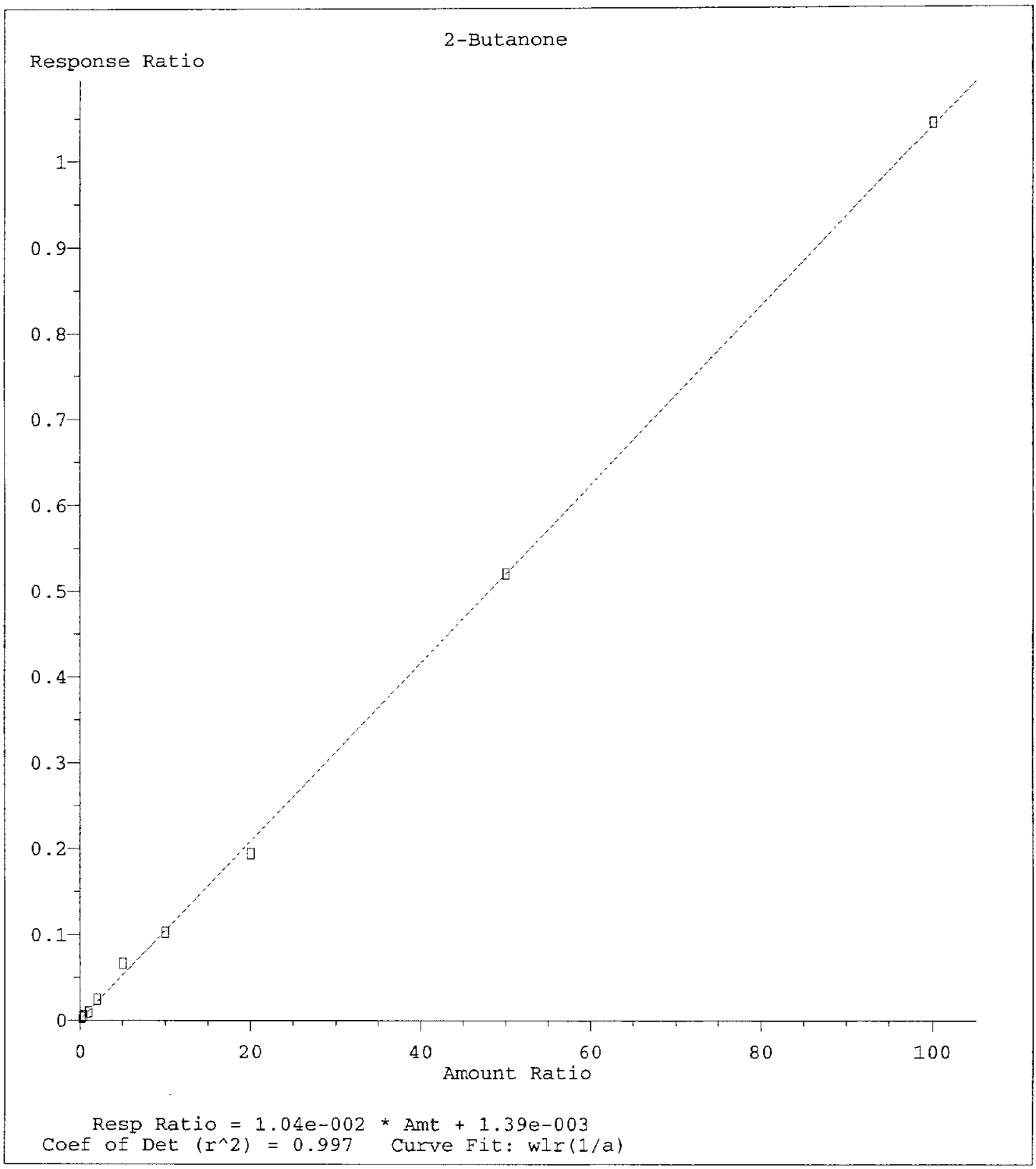
Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004



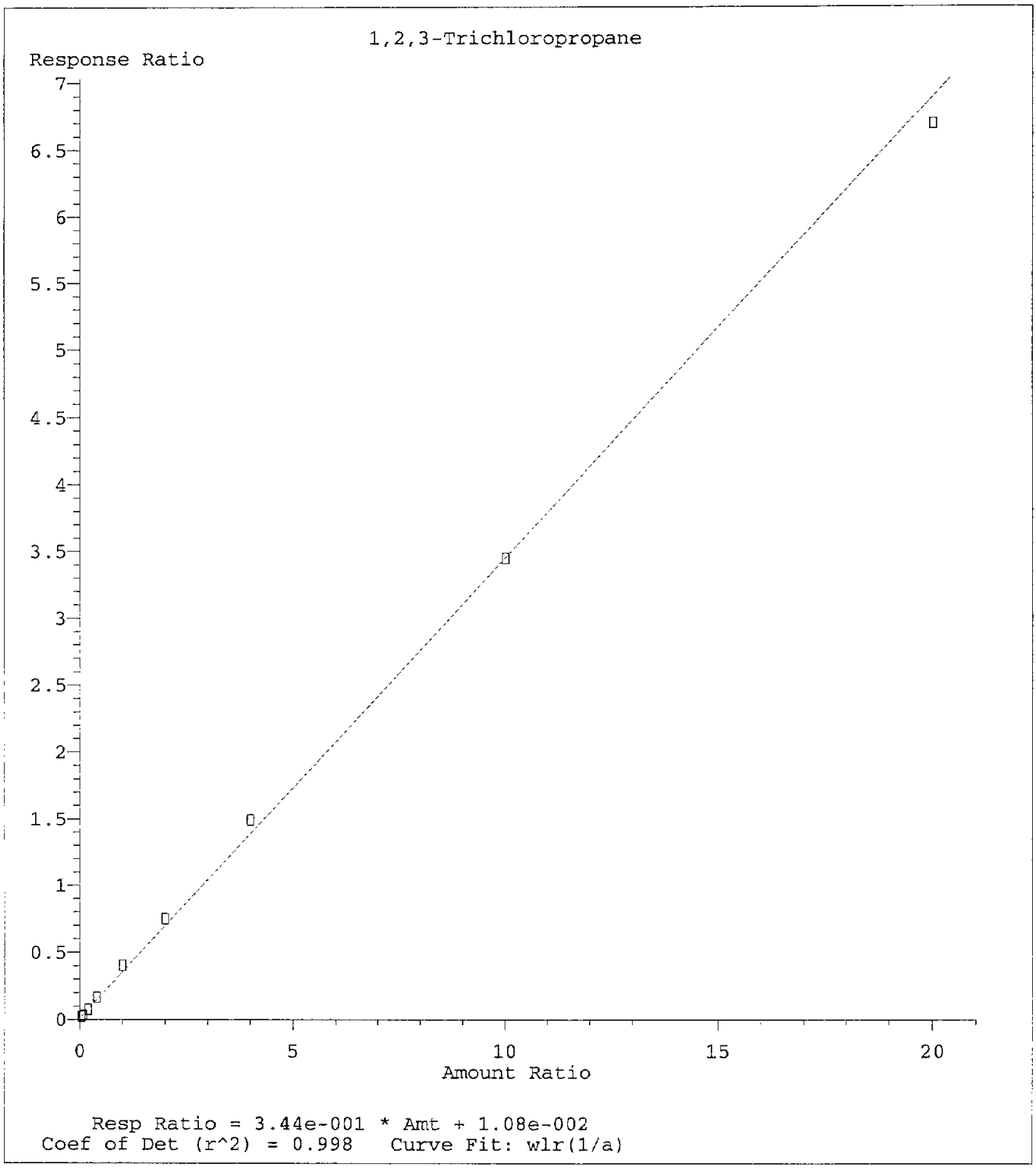
Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004



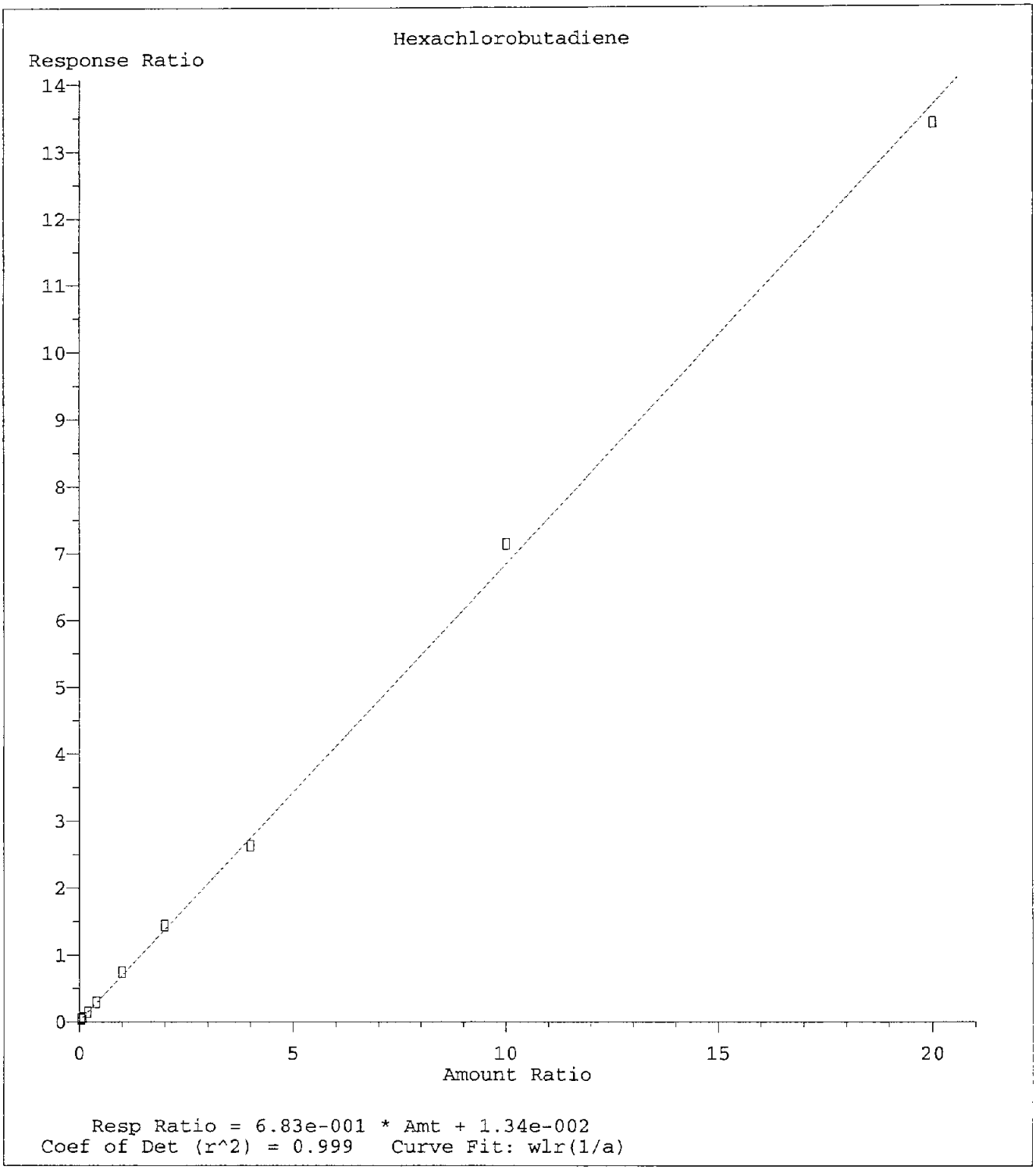
Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004



Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004



Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004



Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19212.D Vial: 4
Acq On : 2 Nov 2004 12:52 pm Operator: frz
Sample : 0.4 ug/Kg MDL check / initial calibratio Inst : VOAInst#3
Misc : solid #5.000 12496101 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:20:57 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	928515	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1396975	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	250262	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	520248	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	45801	1.05	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 10.50%#			
34) Fluorobenzene(S)	7.23	96	177522	1.05	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 10.50%#			
36) Trifluorotoluene(S)	7.96	146	80705	1.11	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 5.55%#			
45) Toluene-d8(S)	9.02	98	154862	1.01	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 10.10%#			
55) Ethylbenzene-d10(S)	10.74	98	188389	1.03	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 10.30%#			
64) Bromofluorobenzene(S)	12.09	174	47144	1.00	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 10.00%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	19955	0.40	ug/Kg	92
3) Chloromethane	1.87	50	45475	0.34	ug/Kg	95
4) Vinyl Chloride	2.00	62	13099	0.38	ug/Kg	70
5) Bromomethane	2.43	94	7746	0.48	ug/Kg	92
6) Chloroethane	2.56	64	6237	0.38	ug/Kg	71
7) Trichlorofluoromethane	2.91	101	28053	0.29	ug/Kg	87
8) 1,1-Dichloroethene	3.65	96	17599	0.42	ug/Kg	96
9) 1,1,2-Trichlorotrifluoroet	3.66	151	18448	0.45	ug/Kg	82
10) Carbon Disulfide	3.93	76	75304	0.47	ug/Kg	100
11) Acetone	3.73	43	46832	1.45	ug/Kg	93
12) tert-Butyl alcohol	5.72	59	39710	1.80	ug/Kg#	90
13) Methylene Chloride	4.31	49	59407	0.34	ug/Kg	98
14) Methyl tert-Butyl ether	4.66	73	34442	0.37	ug/Kg	94
15) trans-1,2-Dichloroethene	4.66	96	20284	0.44	ug/Kg	97
16) Hexane	5.00	56	19431	0.42	ug/Kg	98
17) Diisopropyl ether	5.27	45	48093	0.37	ug/Kg	98
18) 1,1-Dichloroethane	5.20	63	32174	0.41	ug/Kg	97
19) Vinyl Acetate	5.27	43	137171	1.80	ug/Kg#	94
20) Ethyl tert-butyl ether	5.72	87	16681	0.36	ug/Kg#	86
21) 2,2-Dichloropropane	5.88	77	28140	0.46	ug/Kg	91
22) cis-1,2-Dichloroethene	5.91	96	22640	0.45	ug/Kg	92
23) 2-Butanone	5.91	57	3171	1.95	ug/Kg#	57
24) Bromochloromethane	6.19	49	13448	0.41	ug/Kg	98
25) Chloroform	6.30	85	20672	0.42	ug/Kg	97
26) 1,1,1-Trichloroethane	6.48	97	26355	0.41	ug/Kg#	49
27) Cyclohexane	6.54	56	44520	0.52	ug/Kg#	75
29) Carbon Tetrachloride	6.68	119	21370	0.39	ug/Kg	97
30) 1,1-Dichloropropene	6.67	75	24780	0.43	ug/Kg	97
31) tert-Amyl methyl ether	7.03	73	33117	0.36	ug/Kg#	95
32) Benzene	6.91	78	75403	0.45	ug/Kg	96
33) 1,2-Dichloroethane	6.94	62	19220	0.38	ug/Kg	84
37) Trichloroethene	7.65	130	21337	0.44	ug/Kg	91
38) Methylcyclohexane	7.84	55	24324	0.41	ug/Kg	89
39) 1,2-Dichloropropane	7.89	63	19221	0.45	ug/Kg	98
40) Dibromomethane	8.05	174	10699	0.42	ug/Kg	97
41) Bromodichloromethane	8.23	83	19198	0.39	ug/Kg	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19212.D Vial: 4
Acq On : 2 Nov 2004 12:52 pm Operator: frz
Sample : 0.4 ug/Kg MDL check / initial calibratio Inst : VOAInst#3
Misc : solid #5.000 12496101 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:20:57 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

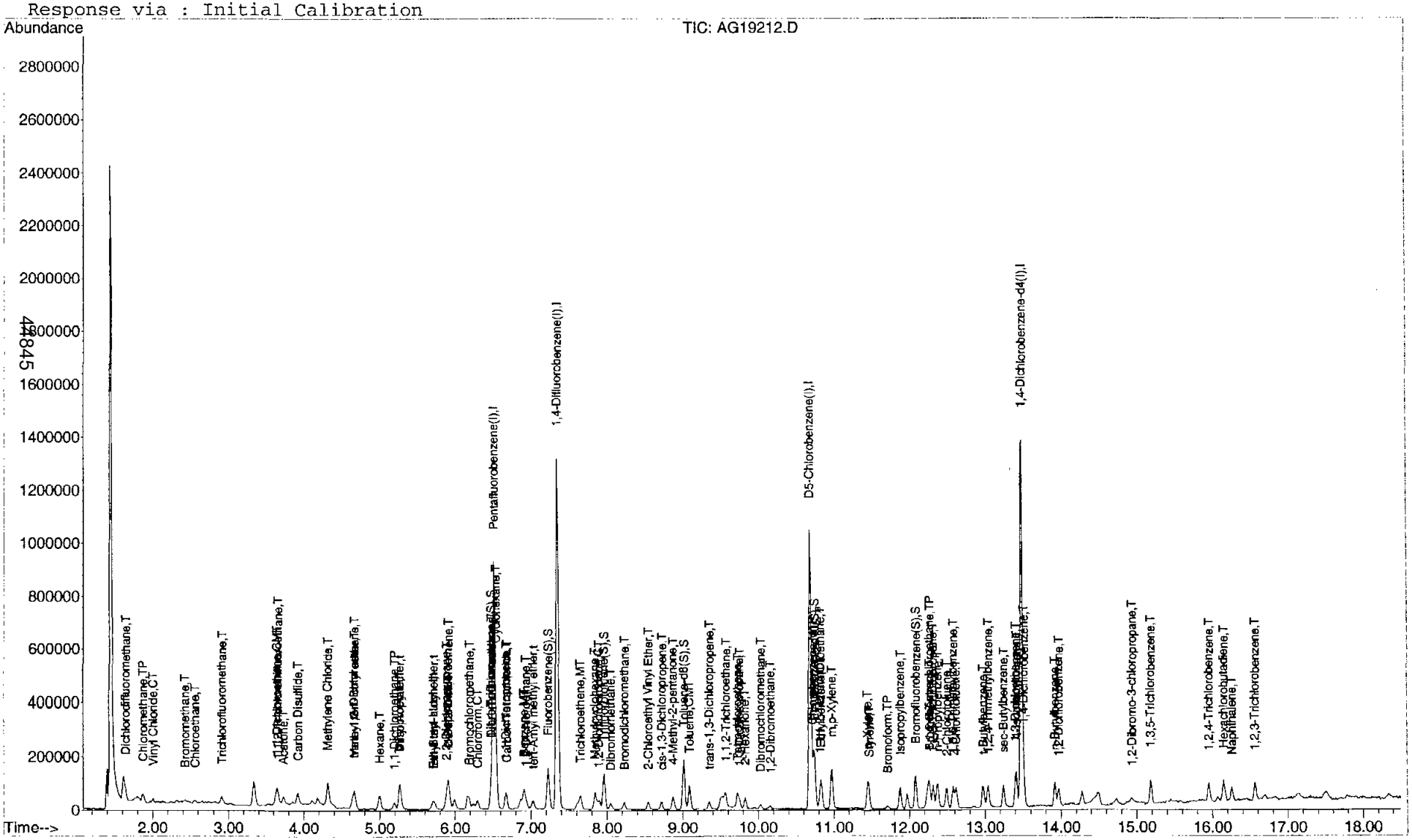
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	12987	1.54 ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.73	75	20848	0.37 ug/Kg	97
44)	4-Methyl-2-pentanone	8.87	85	7375	1.84 ug/Kg	93
46)	Toluene	9.09	91	83215	0.47 ug/Kg	96
47)	trans-1,3-Dichloropropene	9.35	75	16205	0.35 ug/Kg#	44
48)	1,1,2-Trichloroethane	9.57	97	14013	0.44 ug/Kg	84
49)	Tetrachloroethene	9.73	164	19004	0.49 ug/Kg	90
50)	1,3-Dichloropropane	9.75	76	20509	0.41 ug/Kg	99
51)	2-Hexanone	9.83	85	3510	2.35 ug/Kg#	63
52)	Dibromochloromethane	10.03	129	10804	0.34 ug/Kg	98
53)	1,2-Dibromoethane	10.16	107	10571	0.36 ug/Kg	80
56)	Chlorobenzene	10.72	112	51116	0.45 ug/Kg	82
57)	1,1,1,2-Tetrachloroethane	10.82	131	14151	0.38 ug/Kg	97
58)	Ethylbenzene	10.83	91	78511	0.43 ug/Kg	98
59)	m,p-Xylene	10.97	106	60507	0.83 ug/Kg	97
60)	o-Xylene	11.45	91	54601	0.39 ug/Kg	92
61)	Styrene	11.47	104	40911	0.37 ug/Kg	86
62)	Bromoform	11.71	173	6659	0.38 ug/Kg	91
63)	Isopropylbenzene	11.88	105	71741	0.40 ug/Kg	96
65)	Bromobenzene	12.27	156	20821	0.45 ug/Kg	90
66)	1,1,2,2-Tetrachloroethane	12.27	83	24628+	0.45 ug/Kg	97
67)	1,2,3-Trichloropropane	12.32	110	5764	0.36 ug/Kg	91
68)	n-Propylbenzene	12.38	91	92516	0.42 ug/Kg	100
69)	2-Chlorotoluene	12.50	126	19405	0.42 ug/Kg	99
70)	4-Chlorotoluene	12.62	126	18282	0.40 ug/Kg#	73
71)	1,3,5-Trimethylbenzene	12.58	105	55378	0.38 ug/Kg	97
72)	t-Butylbenzene	12.98	119	54013	0.40 ug/Kg	92
73)	1,2,4-Trimethylbenzene	13.04	105	60050	0.41 ug/Kg	98
74)	sec-Butylbenzene	13.25	105	75592	0.40 ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	69965	0.43 ug/Kg	95
76)	1,3-Dichlorobenzene	13.40	146	37023	0.42 ug/Kg	96
78)	1,4-Dichlorobenzene	13.51	146	42490	0.49 ug/Kg	90
79)	n-Butylbenzene	13.92	134	15794	0.40 ug/Kg#	84
80)	1,2-Dichlorobenzene	13.97	146	34105	0.42 ug/Kg	96
81)	1,2-Dibromo-3-chloropropan	14.94	75	2424	0.51 ug/Kg	91
82)	1,3,5-Trichlorobenzene	15.18	180	35103	0.52 ug/Kg	97
83)	1,2,4-Trichlorobenzene	15.95	180	29312	0.49 ug/Kg	90
84)	Hexachlorobutadiene	16.15	225	21817	0.42 ug/Kg	91
85)	Naphthalene	16.26	128	48379	0.46 ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	30396	0.54 ug/Kg	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19212.D Vial: 4
Acq On : 2 Nov 2004 12:52 pm Operator: frz
Sample : 0.4 ug/Kg MDL check / initial calibratio Inst : VOAInst#3
Misc : solid #5.000 12496101 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:20 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



00402

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19213.D Vial: 5
Acq On : 2 Nov 2004 1:18 pm Operator: frz
Sample : 0.8 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496102 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:03 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	929366	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1369682	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	244411	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	529183	10.00	ug/Kg	0.00
System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	91206	2.08	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	=	20.80%#	
34) Fluorobenzene(S)	7.23	96	339108	2.01	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	20.10%#	
36) Trifluorotoluene(S)	7.96	146	150527	2.11	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery	=	10.55%#	
45) Toluene-d8(S)	9.02	98	303945	2.03	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	=	20.30%#	
55) Ethylbenzene-d10(S)	10.74	98	363743	2.03	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	=	20.30%#	
64) Bromofluorobenzene(S)	12.09	174	97068	2.11	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	=	21.10%#	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	43867	0.87	ug/Kg	94
3) Chloromethane	1.87	50	64389	0.77	ug/Kg	94
4) Vinyl Chloride	2.00	62	28151	0.81	ug/Kg	82
5) Bromomethane	2.43	94	10646	0.76	ug/Kg	88
6) Chloroethane	2.56	64	11359	0.70	ug/Kg	71
7) Trichlorofluoromethane	2.91	101	45027	0.65	ug/Kg	87
8) 1,1-Dichloroethene	3.65	96	37357	0.88	ug/Kg	89
9) 1,1,2-Trichlorotrifluoroet	3.66	151	33030	0.81	ug/Kg	87
10) Carbon Disulfide	3.93	76	133069	0.84	ug/Kg	99
11) Acetone	3.73	43	66058	4.19	ug/Kg	99
12) tert-Butyl alcohol	5.72	59	86416	3.90	ug/Kg#	95
13) Methylene Chloride	4.31	49	82486	0.79	ug/Kg	100
14) Methyl tert-Butyl ether	4.66	73	73258	0.79	ug/Kg	94
15) trans-1,2-Dichloroethene	4.66	96	36442	0.78	ug/Kg	96
16) Hexane	5.00	56	30914	0.76	ug/Kg	96
17) Diisopropyl ether	5.28	45	98670	0.75	ug/Kg	95
18) 1,1-Dichloroethane	5.20	63	64835	0.83	ug/Kg	97
19) Vinyl Acetate	5.27	43	294313	3.87	ug/Kg#	96
20) Ethyl tert-butyl ether	5.70	87	34198	0.75	ug/Kg#	94
21) 2,2-Dichloropropane	5.88	77	50210	0.82	ug/Kg	94
22) cis-1,2-Dichloroethene	5.91	96	40456	0.80	ug/Kg	89
23) 2-Butanone	5.92	57	4900	3.74	ug/Kg#	94
24) Bromochloromethane	6.19	49	27231	0.83	ug/Kg	95
25) Chloroform	6.30	85	40966	0.83	ug/Kg	96
26) 1,1,1-Trichloroethane	6.48	97	53480	0.83	ug/Kg	66
27) Cyclohexane	6.54	56	76891	0.89	ug/Kg	87
29) Carbon Tetrachloride	6.67	119	41344	0.76	ug/Kg	98
30) 1,1-Dichloropropene	6.67	75	43761	0.76	ug/Kg	89
31) tert-Amyl methyl ether	7.02	73	67075	0.73	ug/Kg#	90
32) Benzene	6.91	78	150389	0.89	ug/Kg	98
33) 1,2-Dichloroethane	6.94	62	39097	0.78	ug/Kg	85
37) Trichloroethene	7.65	130	38541	0.81	ug/Kg	97
38) Methylcyclohexane	7.84	55	49504	0.85	ug/Kg	93
39) 1,2-Dichloropropane	7.89	63	35459	0.85	ug/Kg	94
40) Dibromomethane	8.05	174	18141	0.73	ug/Kg	88
41) Bromodichloromethane	8.23	83	36866	0.76	ug/Kg	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19213.D Vial: 5
Acq On : 2 Nov 2004 1:18 pm Operator: frz
Sample : 0.8 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496102 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:03 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	30848	3.73 ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	40988	0.74 ug/Kg	96
44)	4-Methyl-2-pentanone	8.87	85	15613	3.97 ug/Kg	97
46)	Toluene	9.09	91	149591	0.86 ug/Kg	96
47)	trans-1,3-Dichloropropene	9.35	75	32736	0.72 ug/Kg#	69
48)	1,1,2-Trichloroethane	9.57	97	28187	0.91 ug/Kg	86
49)	Tetrachloroethene	9.73	164	29608	0.77 ug/Kg	94
50)	1,3-Dichloropropane	9.75	76	38042	0.77 ug/Kg	97
51)	2-Hexanone	9.83	85	6007	4.10 ug/Kg#	78
52)	Dibromochloromethane	10.03	129	23223	0.75 ug/Kg	98
53)	1,2-Dibromoethane	10.16	107	22818	0.80 ug/Kg	91
56)	Chlorobenzene	10.72	112	95223	0.85 ug/Kg	88
57)	1,1,1,2-Tetrachloroethane	10.82	131	30733	0.85 ug/Kg	92
58)	Ethylbenzene	10.83	91	148306	0.83 ug/Kg	98
59)	m,p-Xylene	10.97	106	115532	1.62 ug/Kg	98
60)	o-Xylene	11.45	91	113068	0.82 ug/Kg	96
61)	Styrene	11.47	104	82767	0.76 ug/Kg	88
62)	Bromoform	11.71	173	12260	0.71 ug/Kg	95
63)	Isopropylbenzene	11.88	105	136429	0.79 ug/Kg	96
65)	Bromobenzene	12.27	156	35683	0.79 ug/Kg#	71
66)	1,1,2,2-Tetrachloroethane	12.27	83	48188+	0.89 ug/Kg	96
67)	1,2,3-Trichloropropane	12.32	110	8018	0.64 ug/Kg	94
68)	n-Propylbenzene	12.38	91	178722	0.84 ug/Kg	96
69)	2-Chlorotoluene	12.48	126	36278	0.80 ug/Kg	98
70)	4-Chlorotoluene	12.62	126	34926	0.77 ug/Kg#	81
71)	1,3,5-Trimethylbenzene	12.58	105	110754	0.78 ug/Kg	98
72)	t-Butylbenzene	12.98	119	105527	0.80 ug/Kg	97
73)	1,2,4-Trimethylbenzene	13.04	105	113743	0.79 ug/Kg	94
74)	sec-Butylbenzene	13.25	105	146218	0.80 ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	127476	0.80 ug/Kg	95
76)	1,3-Dichlorobenzene	13.40	146	71673	0.83 ug/Kg	95
78)	1,4-Dichlorobenzene	13.51	146	72837	0.82 ug/Kg	88
79)	n-Butylbenzene	13.92	134	30411	0.75 ug/Kg	94
80)	1,2-Dichlorobenzene	13.97	146	68383	0.84 ug/Kg	98
81)	1,2-Dibromo-3-chloropropan	14.94	75	3802	0.78 ug/Kg	91
82)	1,3,5-Trichlorobenzene	15.18	180	57522	0.83 ug/Kg	97
83)	1,2,4-Trichlorobenzene	15.95	180	48026	0.79 ug/Kg	96
84)	Hexachlorobutadiene	16.15	225	32638	0.71 ug/Kg	93
85)	Naphthalene	16.26	128	92604	0.87 ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	48047	0.84 ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

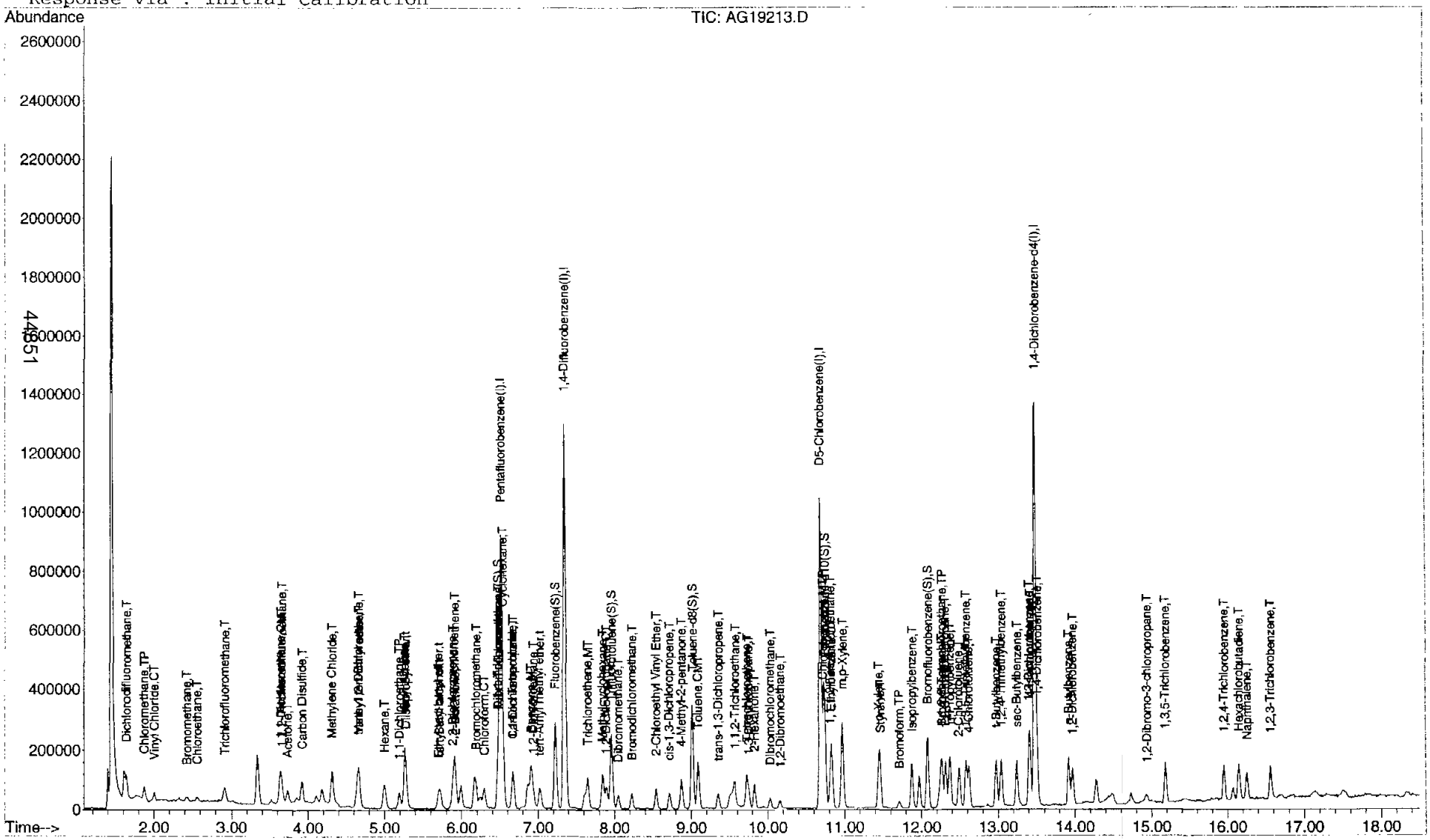
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19213.D
Acq On : 2 Nov 2004 1:18 pm
Sample : 0.8 ug/Kg initial calibration
Misc : solid #5.000 12496102
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:21 2004

Vial: 5
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



00405

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19214.D Vial: 6
Acq On : 2 Nov 2004 1:43 pm Operator: frz
Sample : 2.0 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496103 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:10 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	917890	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1394900	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	246870	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	533885	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	217696	5.03	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 50.30%#			
34) Fluorobenzene(S)	7.23	96	847875	5.08	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 50.80%#			
36) Trifluorotoluene(S)	7.96	146	365733	5.04	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 25.20%#			
45) Toluene-d8(S)	9.02	98	784444	5.14	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 51.40%#			
55) Ethylbenzene-d10(S)	10.74	98	929109	5.13	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 51.30%#			
64) Bromofluorobenzene(S)	12.09	174	248086	5.33	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 53.30%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	100542	2.02	ug/Kg	97
3) Chloromethane	1.87	50	120976	2.10	ug/Kg	92
4) Vinyl Chloride	2.00	62	63250	1.84	ug/Kg	93
5) Bromomethane	2.43	94	18733	1.56	ug/Kg	92
6) Chloroethane	2.56	64	35116	2.19	ug/Kg	97
7) Trichlorofluoromethane	2.91	101	135291	2.61	ug/Kg	93
8) 1,1-Dichloroethene	3.64	96	88861	2.13	ug/Kg	95
9) 1,1,2-Trichlorotrifluoroet	3.65	151	76787	1.91	ug/Kg	88
10) Carbon Disulfide	3.93	76	321621	2.05	ug/Kg	98
11) Acetone	3.73	43	78730	6.14	ug/Kg	100
12) tert-Butyl alcohol	5.72	59	208186	9.52	ug/Kg#	95
13) Methylene Chloride	4.31	49	144459	2.01	ug/Kg	97
14) Methyl tert-Butyl ether	4.66	73	173443	1.89	ug/Kg	96
15) trans-1,2-Dichloroethene	4.66	96	94261	2.05	ug/Kg	98
16) Hexane	5.00	56	62925	1.73	ug/Kg	99
17) Diisopropyl ether	5.28	45	266063	2.05	ug/Kg	99
18) 1,1-Dichloroethane	5.20	63	158996	2.06	ug/Kg	98
19) Vinyl Acetate	5.27	43	750656	9.98	ug/Kg#	97
20) Ethyl tert-butyl ether	5.72	87	86640	1.91	ug/Kg	90
21) 2,2-Dichloropropane	5.88	77	121524	2.00	ug/Kg	99
22) cis-1,2-Dichloroethene	5.91	96	104618	2.10	ug/Kg	97
23) 2-Butanone	5.92	57	8942	8.05	ug/Kg#	81
24) Bromochloromethane	6.19	49	68479	2.12	ug/Kg	95
25) Chloroform	6.30	85	98510	2.01	ug/Kg	95
26) 1,1,1-Trichloroethane	6.48	97	126882	1.99	ug/Kg	84
27) Cyclohexane	6.54	56	161958	1.91	ug/Kg	90
29) Carbon Tetrachloride	6.67	119	106807	1.98	ug/Kg	97
30) 1,1-Dichloropropene	6.67	75	114421	2.01	ug/Kg	95
31) tert-Amyl methyl ether	7.02	73	172010	1.88	ug/Kg#	94
32) Benzene	6.91	78	355939	2.13	ug/Kg	97
33) 1,2-Dichloroethane	6.94	62	101591	2.05	ug/Kg	94
37) Trichloroethene	7.65	130	97014	2.01	ug/Kg	98
38) Methylcyclohexane	7.84	55	112910	1.91	ug/Kg	95
39) 1,2-Dichloropropane	7.90	63	88697	2.09	ug/Kg	90
40) Dibromomethane	8.05	174	49181	1.94	ug/Kg	97
41) Bromodichloromethane	8.23	83	93969	1.90	ug/Kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19214.D
Acq On : 2 Nov 2004 1:43 pm
Sample : 2.0 ug/Kg initial calibration
Misc : solid #5.000 12496103
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:10 2004

Vial: 6
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	79839	9.48 ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	112833	2.01 ug/Kg	93
44)	4-Methyl-2-pentanone	8.87	85	36376	9.08 ug/Kg#	83
46)	Toluene	9.09	91	363277	2.06 ug/Kg	98
47)	trans-1,3-Dichloropropene	9.35	75	87096	1.87 ug/Kg	88
48)	1,1,2-Trichloroethane	9.57	97	62870	1.99 ug/Kg	96
49)	Tetrachloroethene	9.73	164	78761	2.01 ug/Kg	96
50)	1,3-Dichloropropane	9.75	76	102116	2.04 ug/Kg	98
51)	2-Hexanone	9.83	85	11450	7.68 ug/Kg#	88
52)	Dibromochloromethane	10.03	129	57805	1.83 ug/Kg	97
53)	1,2-Dibromoethane	10.15	107	55419	1.90 ug/Kg	95
56)	Chlorobenzene	10.72	112	243838	2.16 ug/Kg	94
57)	1,1,1,2-Tetrachloroethane	10.82	131	72446	1.99 ug/Kg	94
58)	Ethylbenzene	10.83	91	380552	2.11 ug/Kg	98
59)	m,p-Xylene	10.97	106	304709	4.23 ug/Kg	98
60)	o-Xylene	11.45	91	292177	2.11 ug/Kg	97
61)	Styrene	11.47	104	218422	1.99 ug/Kg	91
62)	Bromoform	11.71	173	29776	1.71 ug/Kg	99
63)	Isopropylbenzene	11.88	105	366517	2.09 ug/Kg	98
65)	Bromobenzene	12.27	156	93454	2.04 ug/Kg	91
66)	1,1,2,2-Tetrachloroethane	12.27	83	108208+	1.99 ug/Kg	98
67)	1,2,3-Trichloropropane	12.30	110	18813	1.90 ug/Kg#	64
68)	n-Propylbenzene	12.38	91	445815	2.08 ug/Kg	99
69)	2-Chlorotoluene	12.50	126	93541	2.04 ug/Kg	97
70)	4-Chlorotoluene	12.62	126	95831	2.10 ug/Kg	90
71)	1,3,5-Trimethylbenzene	12.58	105	302762	2.11 ug/Kg	99
72)	t-Butylbenzene	12.98	119	271843	2.04 ug/Kg	95
73)	1,2,4-Trimethylbenzene	13.04	105	295767	2.03 ug/Kg	99
74)	sec-Butylbenzene	13.25	105	382535	2.07 ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	324272	2.01 ug/Kg	99
76)	1,3-Dichlorobenzene	13.40	146	182585	2.09 ug/Kg	98
78)	1,4-Dichlorobenzene	13.51	146	182160	2.04 ug/Kg	96
79)	n-Butylbenzene	13.92	134	76204	1.86 ug/Kg	95
80)	1,2-Dichlorobenzene	13.97	146	169118	2.05 ug/Kg	96
81)	1,2-Dibromo-3-chloropropan	14.93	75	8795	1.80 ug/Kg	91
82)	1,3,5-Trichlorobenzene	15.18	180	140329	2.01 ug/Kg	97
83)	1,2,4-Trichlorobenzene	15.95	180	122857	2.02 ug/Kg	91
84)	Hexachlorobutadiene	16.15	225	77037	1.91 ug/Kg	88
85)	Naphthalene	16.26	128	203011	1.89 ug/Kg	96
86)	1,2,3-Trichlorobenzene	16.56	180	108751	1.88 ug/Kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

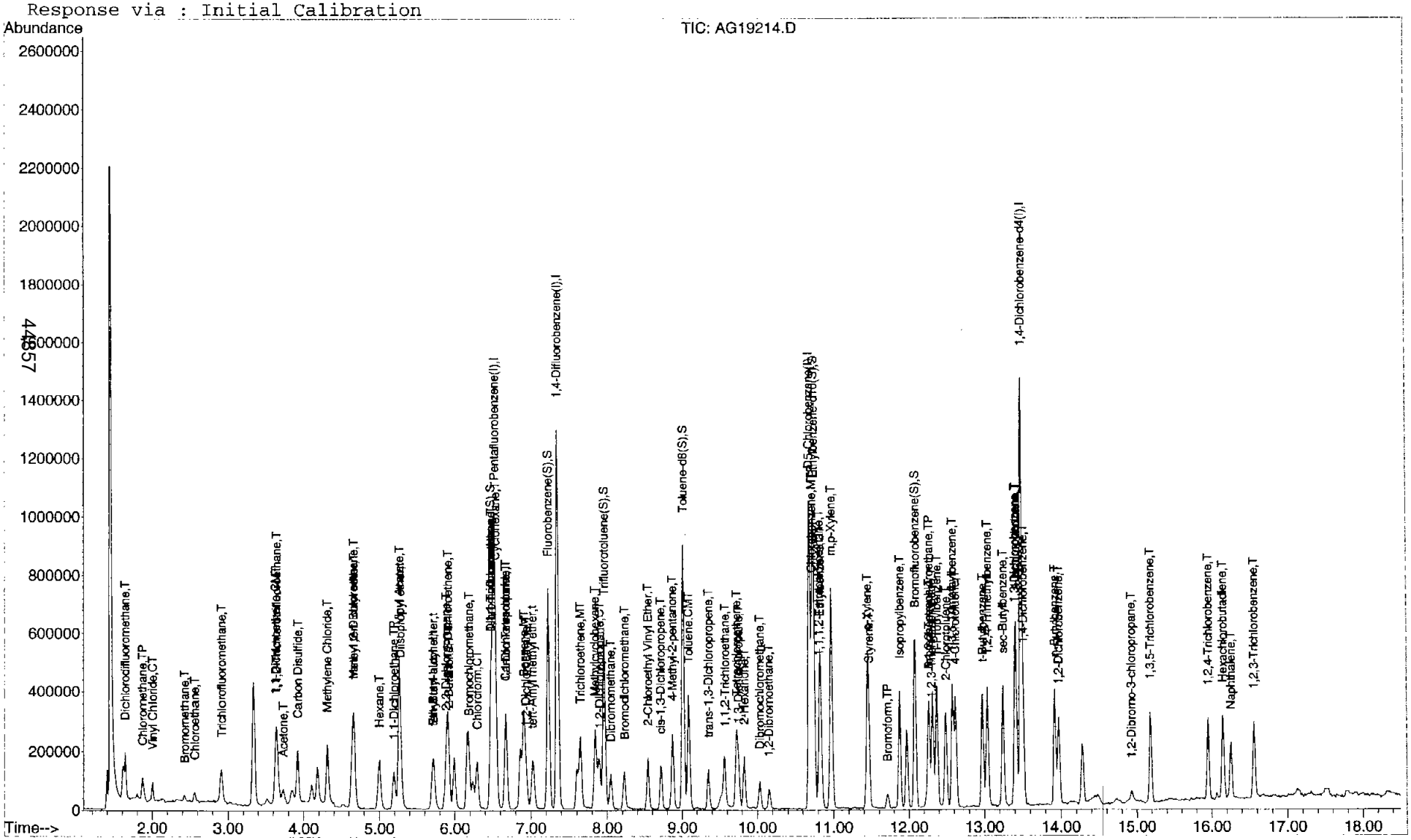
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19214.D
Acq On : 2 Nov 2004 1:43 pm
Sample : 2.0 ug/Kg initial calibration
Misc : solid #5.000 12496103
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:21 2004

Vial: 6
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



00408

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19215.D
Acq On : 2 Nov 2004 2:09 pm
Sample : 4.0 ug/Kg initial calibration
Misc : solid #5.000 12496104
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:18 2004

Vial: 7
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	926020	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1387624	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	253144	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	552544	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	435093	9.97	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 99.70%			
34) Fluorobenzene(S)	7.23	96	1645527	9.78	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 97.80%			
36) Trifluorotoluene(S)	7.96	146	768417	10.64	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 53.20%#			
45) Toluene-d8(S)	9.02	98	1511559	9.95	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 99.50%			
55) Ethylbenzene-d10(S)	10.74	98	1825736	9.84	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 98.40%			
64) Bromofluorobenzene(S)	12.09	174	483088	10.13	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 101.30%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	197578	3.93	ug/Kg	97
3) Chloromethane	1.87	50	215658	4.23	ug/Kg	94
4) Vinyl Chloride	2.00	62	142596	4.11	ug/Kg	95
5) Bromomethane	2.43	94	46135	4.08	ug/Kg	99
6) Chloroethane	2.56	64	72603	4.48	ug/Kg	96
7) Trichlorofluoromethane	2.91	101	197525	3.92	ug/Kg	91
8) 1,1-Dichloroethene	3.64	96	167627	3.98	ug/Kg	97
9) 1,1,2-Trichlorotrifluoroet	3.65	151	161185	3.97	ug/Kg	88
10) Carbon Disulfide	3.91	76	616762	3.89	ug/Kg	99
11) Acetone	3.73	43	230323	27.56	ug/Kg	100
12) tert-Butyl alcohol	5.72	59	463747	21.02	ug/Kg	97
13) Methylene Chloride	4.31	49	251873	4.05	ug/Kg	97
14) Methyl tert-Butyl ether	4.66	73	386014	4.18	ug/Kg	96
15) trans-1,2-Dichloroethene	4.66	96	188080	4.05	ug/Kg	98
16) Hexane	4.99	56	159460	4.58	ug/Kg	96
17) Diisopropyl ether	5.28	45	578981	4.43	ug/Kg	98
18) 1,1-Dichloroethane	5.20	63	302785	3.88	ug/Kg	98
19) Vinyl Acetate	5.27	43	1631695	21.51	ug/Kg	98
20) Ethyl tert-butyl ether	5.72	87	187880	4.12	ug/Kg	94
21) 2,2-Dichloropropane	5.88	77	232425	3.79	ug/Kg	98
22) cis-1,2-Dichloroethene	5.91	96	199363	3.96	ug/Kg	95
23) 2-Butanone	5.91	57	22853	22.44	ug/Kg#	92
24) Bromochloromethane	6.19	49	140187	4.29	ug/Kg	97
25) Chloroform	6.30	85	197328	4.00	ug/Kg	96
26) 1,1,1-Trichloroethane	6.48	97	249599	3.87	ug/Kg	91
27) Cyclohexane	6.54	56	331429	3.87	ug/Kg	99
29) Carbon Tetrachloride	6.67	119	213320	3.93	ug/Kg	95
30) 1,1-Dichloropropene	6.67	75	228503	3.97	ug/Kg	97
31) tert-Amyl methyl ether	7.02	73	377295	4.10	ug/Kg	95
32) Benzene	6.91	78	676649	4.01	ug/Kg	96
33) 1,2-Dichloroethane	6.94	62	201629	4.03	ug/Kg	94
37) Trichloroethene	7.65	130	192543	4.01	ug/Kg	98
38) Methylcyclohexane	7.84	55	244482	4.15	ug/Kg	95
39) 1,2-Dichloropropane	7.89	63	167418	3.97	ug/Kg	93
40) Dibromomethane	8.05	174	104436	4.15	ug/Kg	96
41) Bromodichloromethane	8.23	83	198247	4.03	ug/Kg	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19215.D
Acq On : 2 Nov 2004 2:09 pm
Sample : 4.0 ug/Kg initial calibration
Misc : solid #5.000 12496104
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:18 2004

Vial: 7
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	195355	23.31	ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	213641	3.82	ug/Kg	96
44)	4-Methyl-2-pentanone	8.87	85	80595	20.22	ug/Kg#	88
46)	Toluene	9.09	91	712620	4.05	ug/Kg	97
47)	trans-1,3-Dichloropropene	9.35	75	179071	3.87	ug/Kg	93
48)	1,1,2-Trichloroethane	9.57	97	124441	3.96	ug/Kg	95
49)	Tetrachloroethene	9.73	164	154445	3.97	ug/Kg	98
50)	1,3-Dichloropropane	9.75	76	205619	4.13	ug/Kg	96
51)	2-Hexanone	9.83	85	32213	21.72	ug/Kg#	83
52)	Dibromochloromethane	10.03	129	119197	3.78	ug/Kg	97
53)	1,2-Dibromoethane	10.15	107	121575	4.20	ug/Kg	99
56)	Chlorobenzene	10.72	112	476800	4.12	ug/Kg	93
57)	1,1,1,2-Tetrachloroethane	10.82	131	143089	3.83	ug/Kg	95
58)	Ethylbenzene	10.83	91	766638	4.15	ug/Kg	99
59)	m,p-Xylene	10.97	106	604957	8.19	ug/Kg	98
60)	o-Xylene	11.45	91	568743	4.00	ug/Kg	95
61)	Styrene	11.46	104	447816	3.98	ug/Kg	91
62)	Bromoform	11.71	173	61135	3.41	ug/Kg	99
63)	Isopropylbenzene	11.88	105	733079	4.08	ug/Kg	98
65)	Bromobenzene	12.27	156	181269	3.85	ug/Kg	91
66)	1,1,2,2-Tetrachloroethane	12.27	83	223887+	4.01	ug/Kg	98
67)	1,2,3-Trichloropropane	12.32	110	41233	4.42	ug/Kg	97
68)	n-Propylbenzene	12.38	91	938444	4.26	ug/Kg	98
69)	2-Chlorotoluene	12.50	126	188463	4.01	ug/Kg	94
70)	4-Chlorotoluene	12.62	126	186416	3.99	ug/Kg	84
71)	1,3,5-Trimethylbenzene	12.58	105	587203	3.99	ug/Kg	98
72)	t-Butylbenzene	12.98	119	536941	3.94	ug/Kg	93
73)	1,2,4-Trimethylbenzene	13.04	105	605481	4.05	ug/Kg	98
74)	sec-Butylbenzene	13.25	105	788110	4.16	ug/Kg	98
75)	4-Isopropyltoluene	13.42	119	677655	4.09	ug/Kg	98
76)	1,3-Dichlorobenzene	13.40	146	364349	4.08	ug/Kg	99
78)	1,4-Dichlorobenzene	13.51	146	356306	3.85	ug/Kg	96
79)	n-Butylbenzene	13.92	134	170900	4.03	ug/Kg	96
80)	1,2-Dichlorobenzene	13.97	146	337532	3.96	ug/Kg	95
81)	1,2-Dibromo-3-chloropropan	14.93	75	17462	3.45	ug/Kg	94
82)	1,3,5-Trichlorobenzene	15.18	180	279820	3.87	ug/Kg	100
83)	1,2,4-Trichlorobenzene	15.95	180	244559	3.88	ug/Kg	98
84)	Hexachlorobutadiene	16.15	225	162495	4.11	ug/Kg	96
85)	Naphthalene	16.26	128	425713	3.83	ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	227844	3.80	ug/Kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

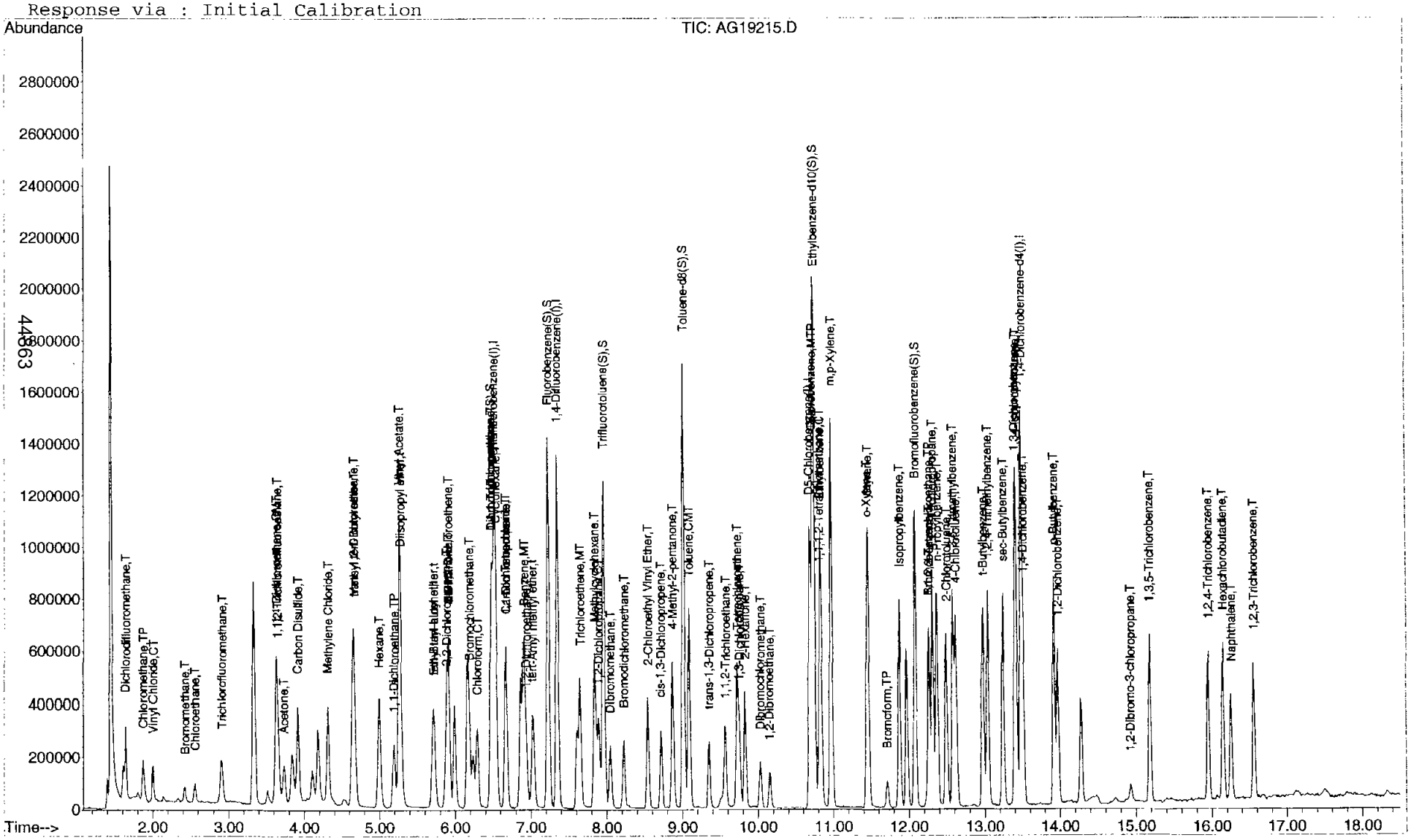
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19215.D
Acq On : 2 Nov 2004 2:09 pm
Sample : 4.0 ug/Kg initial calibration
Misc : solid #5.000 12496104
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:21 2004

Vial: 7
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19216.D
Acq On : 2 Nov 2004 2:34 pm
Sample : 10 ug/Kg initial calibration
Misc : solid #5.000 12496105
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:26 2004

Vial: 8
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	925798	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1406857	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	254387	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	541334	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	1097133	25.14	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 251.40%#			
34) Fluorobenzene(S)	7.23	96	4143735	24.63	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 246.30%#			
36) Trifluorotoluene(S)	7.96	146	1883782	25.73	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 128.65%#			
45) Toluene-d8(S)	9.02	98	3762455	24.43	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 244.30%#			
55) Ethylbenzene-d10(S)	10.74	98	4627368	24.82	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 248.20%#			
64) Bromofluorobenzene(S)	12.09	174	1201818	25.07	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 250.70%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	534650	10.65	ug/Kg	99
3) Chloromethane	1.87	50	478980	10.25	ug/Kg	95
4) Vinyl Chloride	2.00	62	349693	10.09	ug/Kg	99
5) Bromomethane	2.41	94	122466	10.48	ug/Kg	94
6) Chloroethane	2.56	64	163432	10.09	ug/Kg	96
7) Trichlorofluoromethane	2.91	101	523631	10.89	ug/Kg	92
8) 1,1-Dichloroethene	3.64	96	406694	9.66	ug/Kg	99
9) 1,1,2-Trichlorotrifluoroet	3.65	151	408479	10.06	ug/Kg	92
10) Carbon Disulfide	3.91	76	1557950	9.83	ug/Kg	98
11) Acetone	3.73	43	551151	72.08	ug/Kg	99
12) tert-Butyl alcohol	5.72	59	1134438	51.43	ug/Kg	99
13) Methylene Chloride	4.31	49	586719	10.49	ug/Kg	99
14) Methyl tert-Butyl ether	4.66	73	965020	10.45	ug/Kg	95
15) trans-1,2-Dichloroethene	4.66	96	474264	10.21	ug/Kg	98
16) Hexane	5.00	56	373424	10.94	ug/Kg	96
17) Diisopropyl ether	5.28	45	1392225	10.66	ug/Kg	98
18) 1,1-Dichloroethane	5.20	63	785508	10.07	ug/Kg	99
19) Vinyl Acetate	5.27	43	4217497	55.61	ug/Kg#	98
20) Ethyl tert-butyl ether	5.72	87	471974	10.34	ug/Kg	91
21) 2,2-Dichloropropane	5.88	77	577775	9.42	ug/Kg	99
22) cis-1,2-Dichloroethene	5.91	96	493956	9.81	ug/Kg	95
23) 2-Butanone	5.92	57	61586	62.76	ug/Kg#	83
24) Bromochloromethane	6.19	49	336346	10.30	ug/Kg	92
25) Chloroform	6.30	85	487042	9.87	ug/Kg	98
26) 1,1,1-Trichloroethane	6.48	97	642100	9.96	ug/Kg	98
27) Cyclohexane	6.54	56	806298	9.42	ug/Kg	98
29) Carbon Tetrachloride	6.67	119	530769	9.78	ug/Kg	97
30) 1,1-Dichloropropene	6.67	75	578822	10.07	ug/Kg	97
31) tert-Amyl methyl ether	7.02	73	964621	10.48	ug/Kg	98
32) Benzene	6.91	78	1722276	10.21	ug/Kg	98
33) 1,2-Dichloroethane	6.94	62	503363	10.06	ug/Kg	93
37) Trichloroethene	7.65	130	484141	9.95	ug/Kg	96
38) Methylcyclohexane	7.84	55	621410	10.40	ug/Kg	96
39) 1,2-Dichloropropane	7.89	63	412455	9.66	ug/Kg	91
40) Dibromomethane	8.05	174	252408	9.89	ug/Kg	97
41) Bromodichloromethane	8.23	83	502702	10.08	ug/Kg	99

44865

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19216.D Vial: 8
Acq On : 2 Nov 2004 2:34 pm Operator: frz
Sample : 10 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496105 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:26 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	494656	58.21 ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	578749	10.21 ug/Kg	97
44)	4-Methyl-2-pentanone	8.87	85	219387	54.28 ug/Kg#	88
46)	Toluene	9.09	91	1792046	10.06 ug/Kg	97
47)	trans-1,3-Dichloropropene	9.35	75	482461	10.28 ug/Kg	99
48)	1,1,2-Trichloroethane	9.56	97	314739	9.87 ug/Kg	95
49)	Tetrachloroethene	9.73	164	391983	9.94 ug/Kg	97
50)	1,3-Dichloropropane	9.75	76	510911	10.12 ug/Kg	97
51)	2-Hexanone	9.83	85	81925	54.49 ug/Kg#	95
52)	Dibromochloromethane	10.03	129	315110	9.87 ug/Kg	96
53)	1,2-Dibromoethane	10.15	107	300963	10.25 ug/Kg	97
56)	Chlorobenzene	10.72	112	1172420	10.09 ug/Kg	94
57)	1,1,1,2-Tetrachloroethane	10.82	131	379507	10.10 ug/Kg	95
58)	Ethylbenzene	10.83	91	1920199	10.35 ug/Kg	100
59)	m,p-Xylene	10.97	106	1537413	20.71 ug/Kg	98
60)	o-Xylene	11.45	91	1476177	10.33 ug/Kg	97
61)	Styrene	11.47	104	1177334	10.43 ug/Kg	90
62)	Bromoform	11.71	173	174934	9.72 ug/Kg	99
63)	Isopropylbenzene	11.88	105	1887803	10.46 ug/Kg	97
65)	Bromobenzene	12.27	156	469128	9.92 ug/Kg	92
66)	1,1,2,2-Tetrachloroethane	12.26	83	572856+	10.22 ug/Kg	98
67)	1,2,3-Trichloropropane	12.32	110	102445	11.39 ug/Kg	96
68)	n-Propylbenzene	12.38	91	2354885	10.64 ug/Kg	99
69)	2-Chlorotoluene	12.50	126	459614	9.74 ug/Kg	98
70)	4-Chlorotoluene	12.62	126	474262	10.10 ug/Kg#	83
71)	1,3,5-Trimethylbenzene	12.58	105	1544951	10.46 ug/Kg	99
72)	t-Butylbenzene	12.98	119	1394590	10.18 ug/Kg	95
73)	1,2,4-Trimethylbenzene	13.04	105	1558975	10.39 ug/Kg	96
74)	sec-Butylbenzene	13.25	105	2028745	10.65 ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	1760178	10.58 ug/Kg	99
76)	1,3-Dichlorobenzene	13.40	146	896896	9.98 ug/Kg	98
78)	1,4-Dichlorobenzene	13.51	146	897031	9.90 ug/Kg	99
79)	n-Butylbenzene	13.92	134	452414	10.88 ug/Kg	96
80)	1,2-Dichlorobenzene	13.97	146	839231	10.04 ug/Kg	96
81)	1,2-Dibromo-3-chloropropan	14.93	75	47633	9.60 ug/Kg	97
82)	1,3,5-Trichlorobenzene	15.18	180	696331	9.82 ug/Kg	99
83)	1,2,4-Trichlorobenzene	15.95	180	606646	9.81 ug/Kg	96
84)	Hexachlorobutadiene	16.15	225	402983	10.70 ug/Kg	95
85)	Naphthalene	16.26	128	1050194	9.63 ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	564698	9.62 ug/Kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

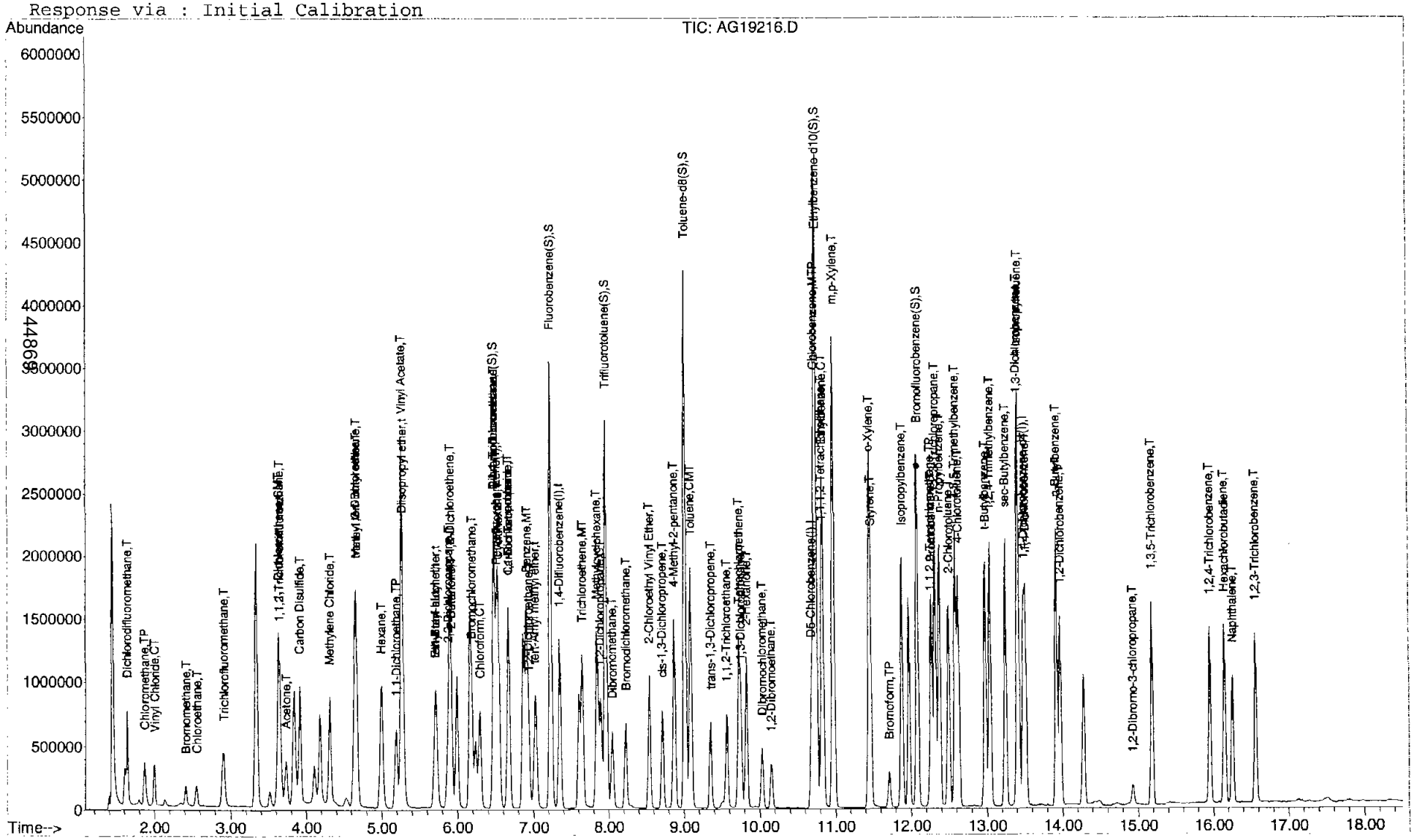
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19216.D
Acq On : 2 Nov 2004 2:34 pm
Sample : 10 ug/Kg initial calibration
Misc : solid #5.000 12496105
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:21 2004

Vial: 8
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



00414

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19217.D Vial: 9
Acq On : 2 Nov 2004 3:00 pm Operator: frz
Sample : 20 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496106 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:34 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	940066	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1416590	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	260636	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	554314	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	2231015	50.34	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 503.40%#			
34) Fluorobenzene(S)	7.23	96	8302194	48.61	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 486.10%#			
36) Trifluorotoluene(S)	7.96	146	3784539	51.33	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 256.65%#			
45) Toluene-d8(S)	9.02	98	7619367	49.13	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 491.30%#			
55) Ethylbenzene-d10(S)	10.74	98	9357828	48.99	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 489.90%#			
64) Bromofluorobenzene(S)	12.09	174	2455509	50.00	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 500.00%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	1061432	20.82	ug/Kg	98
3) Chloromethane	1.87	50	940803	20.47	ug/Kg	93
4) Vinyl Chloride	1.99	62	697419	19.82	ug/Kg	99
5) Bromomethane	2.40	94	255924	19.82	ug/Kg	99
6) Chloroethane	2.55	64	331281	20.15	ug/Kg	95
7) Trichlorofluoromethane	2.90	101	1023720	21.26	ug/Kg	93
8) 1,1-Dichloroethene	3.64	96	842301	19.71	ug/Kg	96
9) 1,1,2-Trichlorotrifluoroet	3.65	151	806712	19.56	ug/Kg	90
10) Carbon Disulfide	3.91	76	3159619	19.64	ug/Kg	99
11) Acetone	3.73	43	671268	87.02	ug/Kg	100
12) tert-Butyl alcohol	5.72	59	2283839	101.98	ug/Kg	99
13) Methylene Chloride	4.31	49	1142482	20.84	ug/Kg	98
14) Methyl tert-Butyl ether	4.66	73	1961537	20.93	ug/Kg	94
15) trans-1,2-Dichloroethene	4.66	96	944937	20.04	ug/Kg	100
16) Hexane	5.00	56	700426	20.35	ug/Kg	93
17) Diisopropyl ether	5.28	45	2768579	20.87	ug/Kg	96
18) 1,1-Dichloroethane	5.20	63	1562041	19.72	ug/Kg	99
19) Vinyl Acetate	5.27	43	8515676	110.58	ug/Kg#	98
20) Ethyl tert-butyl ether	5.72	87	957558	20.66	ug/Kg	90
21) 2,2-Dichloropropane	5.88	77	1188324	19.07	ug/Kg	99
22) cis-1,2-Dichloroethene	5.91	96	1004136	19.65	ug/Kg	94
23) 2-Butanone	5.92	57	96637	97.72	ug/Kg#	82
24) Bromochloromethane	6.19	49	678507	20.47	ug/Kg	94
25) Chloroform	6.30	85	985413	19.67	ug/Kg	99
26) 1,1,1-Trichloroethane	6.48	97	1279729	19.55	ug/Kg	98
27) Cyclohexane	6.54	56	1612937	18.56	ug/Kg	97
29) Carbon Tetrachloride	6.67	119	1076997	19.53	ug/Kg	99
30) 1,1-Dichloropropene	6.67	75	1169834	20.04	ug/Kg	97
31) tert-Amyl methyl ether	7.02	73	1954776	20.91	ug/Kg	98
32) Benzene	6.91	78	3411186	19.92	ug/Kg	98
33) 1,2-Dichloroethane	6.94	62	1029605	20.26	ug/Kg	94
37) Trichloroethene	7.65	130	973912	19.89	ug/Kg	97
38) Methylcyclohexane	7.84	55	1211831	20.13	ug/Kg	95
39) 1,2-Dichloropropane	7.89	63	849201	19.74	ug/Kg	91
40) Dibromomethane	8.05	174	526966	20.51	ug/Kg	97
41) Bromodichloromethane	8.23	83	1034853	20.61	ug/Kg	99

44871

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19217.D
Acq On : 2 Nov 2004 3:00 pm
Sample : 20 ug/Kg initial calibration
Misc : solid #5.000 12496106
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:34 2004

Vial: 9
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

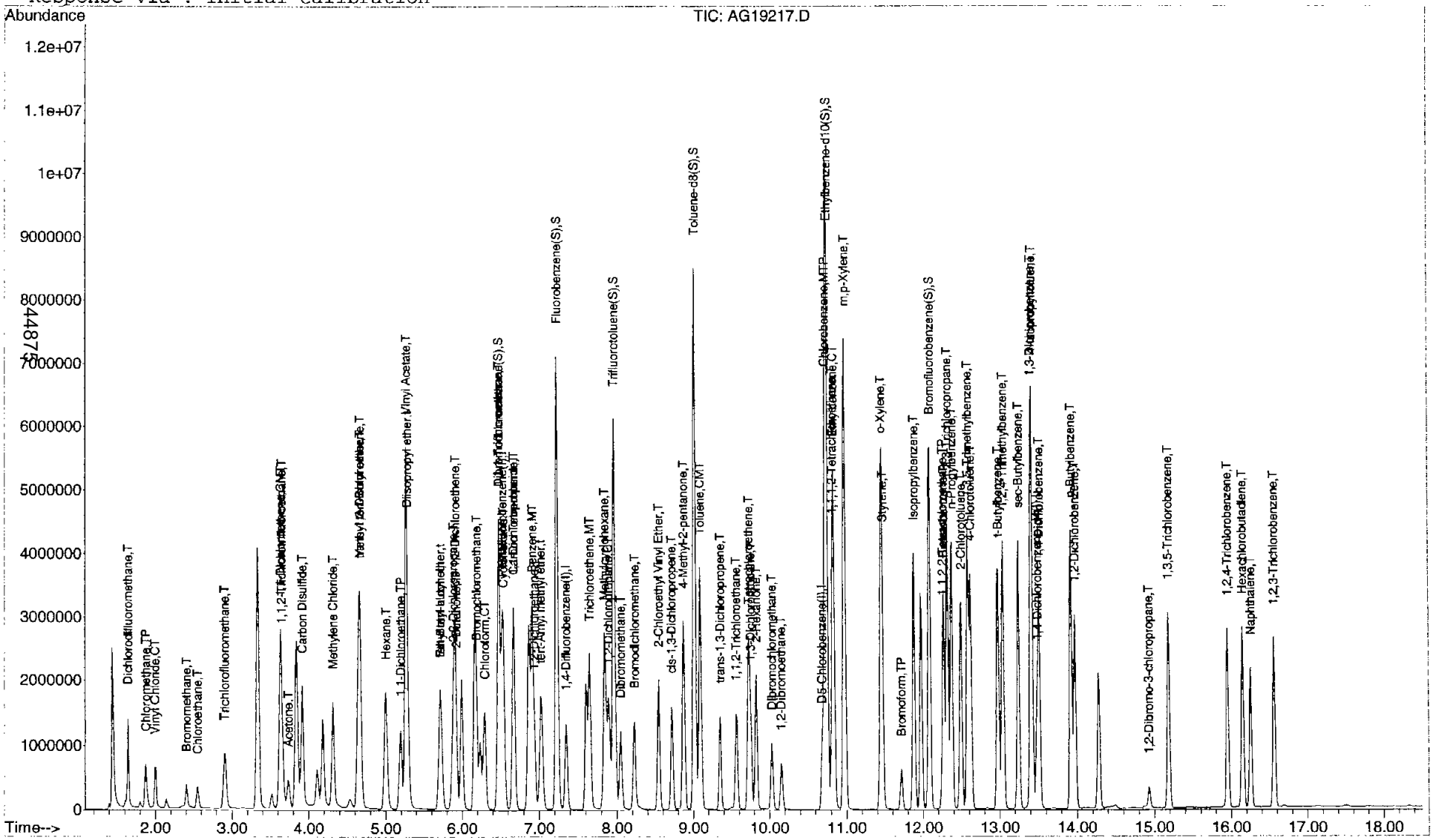
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	955693	111.70	ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	1193984	20.91	ug/Kg	97
44)	4-Methyl-2-pentanone	8.87	85	444954	109.34	ug/Kg	92
46)	Toluene	9.09	91	3600402	20.06	ug/Kg	98
47)	trans-1,3-Dichloropropene	9.35	75	1029263	21.78	ug/Kg	98
48)	1,1,2-Trichloroethane	9.56	97	644999	20.08	ug/Kg	95
49)	Tetrachloroethene	9.73	164	780141	19.65	ug/Kg	95
50)	1,3-Dichloropropane	9.75	76	1050933	20.66	ug/Kg	97
51)	2-Hexanone	9.83	85	147521	97.44	ug/Kg#	92
52)	Dibromochloromethane	10.03	129	686762	21.36	ug/Kg	99
53)	1,2-Dibromoethane	10.15	107	622914	21.07	ug/Kg	99
56)	Chlorobenzene	10.72	112	2319891	19.48	ug/Kg	93
57)	1,1,1,2-Tetrachloroethane	10.82	131	771776	20.05	ug/Kg	94
58)	Ethylbenzene	10.83	91	3888136	20.46	ug/Kg	99
59)	m,p-Xylene	10.97	106	3101435	40.77	ug/Kg	98
60)	o-Xylene	11.45	91	2997511	20.47	ug/Kg	96
61)	Styrene	11.47	104	2433165	21.03	ug/Kg	90
62)	Bromoform	11.71	173	379497	20.59	ug/Kg	98
63)	Isopropylbenzene	11.88	105	3859428	20.87	ug/Kg	98
65)	Bromobenzene	12.27	156	946862	19.53	ug/Kg	94
66)	1,1,2,2-Tetrachloroethane	12.26	83	1132287+	19.72	ug/Kg	99
67)	1,2,3-Trichloropropane	12.32	110	195051	21.43	ug/Kg	95
68)	n-Propylbenzene	12.38	91	4843554	21.36	ug/Kg	98
69)	2-Chlorotoluene	12.50	126	948416	19.62	ug/Kg	96
70)	4-Chlorotoluene	12.62	126	960850	19.96	ug/Kg#	82
71)	1,3,5-Trimethylbenzene	12.58	105	3170148	20.95	ug/Kg	100
72)	t-Butylbenzene	12.98	119	2834221	20.19	ug/Kg	95
73)	1,2,4-Trimethylbenzene	13.04	105	3193566	20.77	ug/Kg	97
74)	sec-Butylbenzene	13.25	105	4153165	21.28	ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	3592495	21.08	ug/Kg	98
76)	1,3-Dichlorobenzene	13.40	146	1831120	19.89	ug/Kg	99
78)	1,4-Dichlorobenzene	13.51	146	1830632	19.73	ug/Kg	100
79)	n-Butylbenzene	13.92	134	887213	20.83	ug/Kg	98
80)	1,2-Dichlorobenzene	13.97	146	1699741	19.86	ug/Kg	97
81)	1,2-Dibromo-3-chloropropan	14.93	75	100636	19.81	ug/Kg	97
82)	1,3,5-Trichlorobenzene	15.18	180	1403987	19.34	ug/Kg	99
83)	1,2,4-Trichlorobenzene	15.95	180	1256928	19.86	ug/Kg	95
84)	Hexachlorobutadiene	16.15	225	797511	20.86	ug/Kg	93
85)	Naphthalene	16.26	128	2270874	20.34	ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	1175307	19.55	ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19217.D Vial: 9
Acq On : 2 Nov 2004 3:00 pm Operator: frz
Sample : 20 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496106 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:21 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



00417

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19218.D Vial: 10
Acq On : 2 Nov 2004 3:26 pm Operator: frz
Sample : 40 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496107 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:41 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	956940	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1447919	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	262518	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	573489	10.00	ug/Kg	0.00
System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	4670314	103.52	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	= 1035.20%#		
34) Fluorobenzene(S)	7.23	96	17236857	99.14	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	= 991.40%#		
36) Trifluorotoluene(S)	7.96	146	7522860	99.83	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery	= 499.15%#		
45) Toluene-d8(S)	9.02	98	15730019	99.23	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	= 992.30%#		
55) Ethylbenzene-d10(S)	10.74	98	18746732	97.43	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	= 974.30%#		
64) Bromofluorobenzene(S)	12.09	174	5039952	101.88	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	= 1018.80%#		

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	1950446	37.59	ug/Kg	98
3) Chloromethane	1.87	50	1893354	41.14	ug/Kg	93
4) Vinyl Chloride	1.99	62	1438962	40.16	ug/Kg	98
5) Bromomethane	2.39	94	295740	22.04	ug/Kg	93
6) Chloroethane	2.54	64	670293	40.05	ug/Kg	96
7) Trichlorofluoromethane	2.90	101	2021611	41.53	ug/Kg	92
8) 1,1-Dichloroethene	3.64	96	1739171	39.97	ug/Kg	97
9) 1,1,2-Trichlorotrifluoroet	3.64	151	1637098	39.00	ug/Kg	92
10) Carbon Disulfide	3.91	76	6727258	41.07	ug/Kg	98
11) Acetone	3.73	43	1426545	181.25	ug/Kg	99
12) tert-Butyl alcohol	5.72	59	4803735	210.71	ug/Kg	99
13) Methylene Chloride	4.31	49	2317409	42.32	ug/Kg	98
14) Methyl tert-Butyl ether	4.66	73	3933872	41.23	ug/Kg	95
15) trans-1,2-Dichloroethene	4.66	96	1974157	41.14	ug/Kg	99
16) Hexane	5.00	56	1144875	32.77	ug/Kg	92
17) Diisopropyl ether	5.28	45	5599516	41.47	ug/Kg	96
18) 1,1-Dichloroethane	5.20	63	3310621	41.07	ug/Kg	98
19) Vinyl Acetate	5.27	43	17303686	220.73	ug/Kg#	98
20) Ethyl tert-butyl ether	5.72	87	1990476	42.19	ug/Kg	91
21) 2,2-Dichloropropane	5.88	77	2582658	40.72	ug/Kg	98
22) cis-1,2-Dichloroethene	5.91	96	2108948	40.54	ug/Kg	93
23) 2-Butanone	5.92	57	185781	185.74	ug/Kg#	91
24) Bromochloromethane	6.19	49	1363637	40.41	ug/Kg	93
25) Chloroform	6.30	85	2089900	40.97	ug/Kg	99
26) 1,1,1-Trichloroethane	6.48	97	2766165	41.52	ug/Kg	99
27) Cyclohexane	6.54	56	3393090	38.35	ug/Kg	97
29) Carbon Tetrachloride	6.67	119	2367576	42.18	ug/Kg	98
30) 1,1-Dichloropropene	6.67	75	2423720	40.79	ug/Kg	97
31) tert-Amyl methyl ether	7.03	73	4094975	43.04	ug/Kg	99
32) Benzene	6.91	78	7143788	40.99	ug/Kg	98
33) 1,2-Dichloroethane	6.94	62	2139238	41.36	ug/Kg	94
37) Trichloroethene	7.65	130	2035837	40.67	ug/Kg	97
38) Methylcyclohexane	7.84	55	2390915	38.87	ug/Kg	97
39) 1,2-Dichloropropane	7.89	63	1749526	39.80	ug/Kg	92
40) Dibromomethane	8.05	174	1092634	41.61	ug/Kg	96
41) Bromodichloromethane	8.23	83	2206610	43.00	ug/Kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19218.D
Acq On : 2 Nov 2004 3:26 pm
Sample : 40 ug/Kg initial calibration
Misc : solid #5.000 12496107
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:41 2004

Vial: 10
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	1951522	223.15	ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	2532897	43.40	ug/Kg	97
44)	4-Methyl-2-pentanone	8.87	85	887858	213.45	ug/Kg	93
46)	Toluene	9.09	91	7493038	40.85	ug/Kg	98
47)	trans-1,3-Dichloropropene	9.35	75	2146855	44.44	ug/Kg	98
48)	1,1,2-Trichloroethane	9.56	97	1283941	39.11	ug/Kg	97
49)	Tetrachloroethene	9.73	164	1579972	38.94	ug/Kg	95
50)	1,3-Dichloropropane	9.75	76	2141153	41.19	ug/Kg	97
51)	2-Hexanone	9.83	85	301775	195.01	ug/Kg#	94
52)	Dibromochloromethane	10.03	129	1476159	44.92	ug/Kg	100
53)	1,2-Dibromoethane	10.15	107	1264136	41.83	ug/Kg	98
56)	Chlorobenzene	10.72	112	4756972	39.65	ug/Kg	93
57)	1,1,1,2-Tetrachloroethane	10.82	131	1646771	42.47	ug/Kg	95
58)	Ethylbenzene	10.83	91	8046156	42.03	ug/Kg	99
59)	m,p-Xylene	10.97	106	6325816	82.56	ug/Kg	99
60)	o-Xylene	11.45	91	6256785	42.43	ug/Kg	97
61)	Styrene	11.47	104	5086930	43.65	ug/Kg	90
62)	Bromoform	11.71	173	830893	44.75	ug/Kg	97
63)	Isopropylbenzene	11.88	105	8118581	43.58	ug/Kg	98
65)	Bromobenzene	12.27	156	1986057	40.68	ug/Kg	94
66)	1,1,2,2-Tetrachloroethane	12.27	83	2260050+	39.07	ug/Kg	100
67)	1,2,3-Trichloropropane	12.32	110	391621	43.03	ug/Kg	94
68)	n-Propylbenzene	12.38	91	9875269	43.25	ug/Kg	98
69)	2-Chlorotoluene	12.50	126	1961065	40.27	ug/Kg	97
70)	4-Chlorotoluene	12.62	126	1943951	40.10	ug/Kg#	81
71)	1,3,5-Trimethylbenzene	12.58	105	6565894	43.07	ug/Kg	99
72)	t-Butylbenzene	12.98	119	6081200	43.01	ug/Kg	97
73)	1,2,4-Trimethylbenzene	13.04	105	6640310	42.87	ug/Kg	97
74)	sec-Butylbenzene	13.25	105	8516683	43.33	ug/Kg	100
75)	4-Isopropyltoluene	13.42	119	7261481	42.30	ug/Kg	99
76)	1,3-Dichlorobenzene	13.40	146	3674788	39.63	ug/Kg	100
78)	1,4-Dichlorobenzene	13.51	146	3676166	38.29	ug/Kg	100
79)	n-Butylbenzene	13.92	134	1745231	39.61	ug/Kg	98
80)	1,2-Dichlorobenzene	13.97	146	3519425	39.74	ug/Kg	95
81)	1,2-Dibromo-3-chloropropan	14.93	75	207565	39.49	ug/Kg	97
82)	1,3,5-Trichlorobenzene	15.18	180	2726257	36.30	ug/Kg	98
83)	1,2,4-Trichlorobenzene	15.95	180	2424351	37.02	ug/Kg	97
84)	Hexachlorobutadiene	16.15	225	1507190	38.26	ug/Kg	92
85)	Naphthalene	16.26	128	4674216	40.47	ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	2315057	37.22	ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

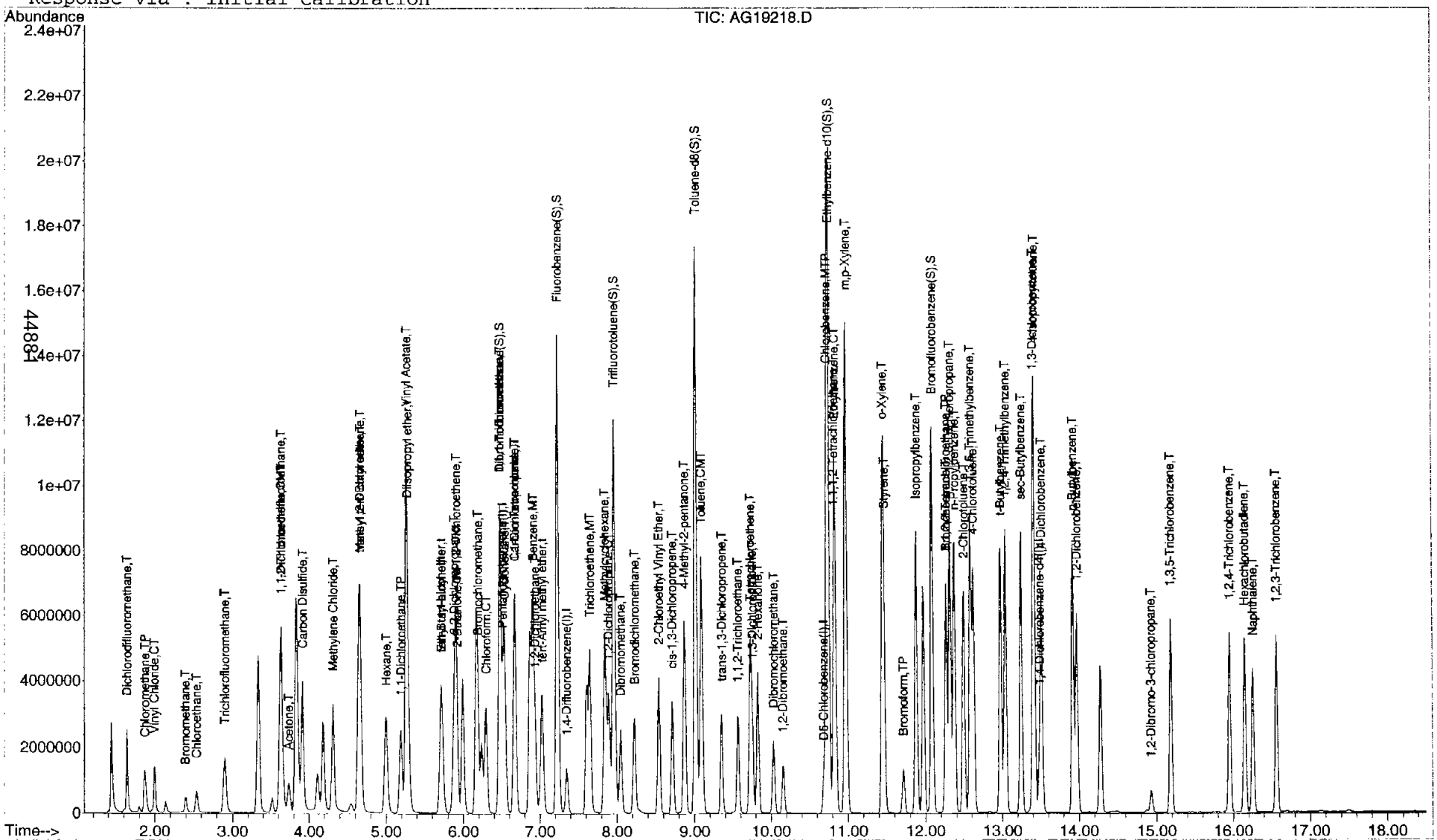
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19218.D
Acq On : 2 Nov 2004 3:26 pm
Sample : 40 ug/Kg initial calibration
Misc : solid #5.000 12496107
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:21 2004

Vial: 10
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



00420

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19219.D
Acq On : 2 Nov 2004 3:51 pm
Sample : 100 ug/Kg initial calibration
Misc : solid #5.000 12496108
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:49 2004

Vial: 11
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	946485	10.00 ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1438905	10.00 ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.70	119	257825	10.00 ug/Kg	0.01
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	577585	10.00 ug/Kg	0.00

System Monitoring Compounds					
28) Dibromofluoromethane(S)	6.48	111	10808085	242.21 ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	= 2422.10%#	
34) Fluorobenzene(S)	7.21	96	27697245	161.06 ug/Kg	-0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	= 1610.60%#	
36) Trifluorotoluene(S)	7.96	146	18884503	252.17 ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery	= 1260.85%#	
45) Toluene-d8(S)	9.00	98	26206127	166.35 ug/Kg	-0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	= 1663.50%#	
55) Ethylbenzene-d10(S)	10.73	98	27154966	143.70 ug/Kg	0.00
Spiked Amount 10.000	Range 89 - 109		Recovery	= 1437.00%#	
64) Bromofluorobenzene(S)	12.09	174	12233745	251.81 ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	= 2518.10%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.64	85	4776707	93.08 ug/Kg	99
3) Chloromethane	1.87	50	4513490	100.13 ug/Kg	94
4) Vinyl Chloride	2.00	62	3473229	98.01 ug/Kg	100
5) Bromomethane	2.39	94	671119	42.48 ug/Kg	99
6) Chloroethane	2.52	64	1544651	93.32 ug/Kg	96
7) Trichlorofluoromethane	2.89	101	4769146	99.47 ug/Kg	93
8) 1,1-Dichloroethene	3.62	96	4121694	95.78 ug/Kg	97
9) 1,1,2-Trichlorotrifluoroet	3.64	151	4154382	100.05 ug/Kg	91
10) Carbon Disulfide	3.91	76	16218560	100.11 ug/Kg	98
11) Acetone	3.74	43	4296789	506.31 ug/Kg	100
12) tert-Butyl alcohol	5.72	59	11271423	499.87 ug/Kg	98
13) Methylene Chloride	4.31	49	5470015	102.09 ug/Kg	99
14) Methyl tert-Butyl ether	4.66	73	9207221	97.56 ug/Kg	94
15) trans-1,2-Dichloroethene	4.66	96	4576321	96.41 ug/Kg	98
16) Hexane	4.99	56	3605460	104.67 ug/Kg	94
17) Diisopropyl ether	5.28	45	12653324	94.75 ug/Kg	97
18) 1,1-Dichloroethane	5.20	63	7874906	98.76 ug/Kg	99
19) Vinyl Acetate	5.26	43	28559420	368.33 ug/Kg#	89
20) Ethyl tert-butyl ether	5.72	87	4705838	100.84 ug/Kg	90
21) 2,2-Dichloropropane	5.88	77	6259387	99.78 ug/Kg	99
22) cis-1,2-Dichloroethene	5.91	96	4941276	96.04 ug/Kg	93
23) 2-Butanone	5.92	57	492375	499.97 ug/Kg#	80
24) Bromochloromethane	6.19	49	3002664	89.96 ug/Kg	92
25) Chloroform	6.30	85	4946419	98.05 ug/Kg	100
26) 1,1,1-Trichloroethane	6.48	97	6688651	101.50 ug/Kg	98
27) Cyclohexane	6.54	56	8214827	93.88 ug/Kg	98
29) Carbon Tetrachloride	6.67	119	5888659	106.08 ug/Kg	98
30) 1,1-Dichloropropene	6.67	75	5893729	100.29 ug/Kg	98
31) tert-Amyl methyl ether	7.03	73	9587806	101.89 ug/Kg	98
32) Benzene	6.91	78	16416090	95.22 ug/Kg	98
33) 1,2-Dichloroethane	6.94	62	5130638	100.29 ug/Kg	94
37) Trichloroethene	7.65	130	4880439	98.12 ug/Kg	96
38) Methylcyclohexane	7.84	55	6089437	99.61 ug/Kg	97
39) 1,2-Dichloropropane	7.89	63	4084307	93.49 ug/Kg	92
40) Dibromomethane	8.05	174	2627364	100.68 ug/Kg	95
41) Bromodichloromethane	8.23	83	5301369	103.96 ug/Kg	99

44883

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19219.D
Acq On : 2 Nov 2004 3:51 pm
Sample : 100 ug/Kg initial calibration
Misc : solid #5.000 12496108
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:49 2004

Vial: 11
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	4168157	479.60	ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	6059932	104.50	ug/Kg	97
44)	4-Methyl-2-pentanone	8.87	85	2021348	488.99	ug/Kg	93
46)	Toluene	9.09	91	18131195	99.47	ug/Kg	98
47)	trans-1,3-Dichloropropene	9.35	75	5154906	107.37	ug/Kg	98
48)	1,1,2-Trichloroethane	9.57	97	3033083	92.98	ug/Kg	96
49)	Tetrachloroethene	9.73	164	3953846	98.05	ug/Kg	95
50)	1,3-Dichloropropane	9.75	76	4991949	96.63	ug/Kg	96
51)	2-Hexanone	9.83	85	732148	476.09	ug/Kg#	94
52)	Dibromochloromethane	10.03	129	3623179	110.94	ug/Kg	99
53)	1,2-Dibromoethane	10.16	107	2994248	99.71	ug/Kg	99
56)	Chlorobenzene	10.72	112	11048644	93.77	ug/Kg	92
57)	1,1,1,2-Tetrachloroethane	10.82	131	3866294	101.52	ug/Kg	95
58)	Ethylbenzene	10.83	91	19220950	102.23	ug/Kg	99
59)	m,p-Xylene	10.97	106	15250534	202.67	ug/Kg#	79
60)	o-Xylene	11.45	91	15087043	104.16	ug/Kg	97
61)	Styrene	11.47	104	12317834	107.62	ug/Kg	91
62)	Bromoform	11.71	173	2109010	115.67	ug/Kg	99
63)	Isopropylbenzene	11.88	105	19682871	107.58	ug/Kg	97
65)	Bromobenzene	12.27	156	4779167	99.67	ug/Kg	96
66)	1,1,2,2-Tetrachloroethane	12.26	83	5194261+	91.43	ug/Kg	99
67)	1,2,3-Trichloropropane	12.32	110	888609	99.83	ug/Kg	95
68)	n-Propylbenzene	12.36	91	21403620	95.44	ug/Kg	96
69)	2-Chlorotoluene	12.50	126	4917038	102.81	ug/Kg	95
70)	4-Chlorotoluene	12.62	126	4899224	102.90	ug/Kg#	83
71)	1,3,5-Trimethylbenzene	12.58	105	16385258	109.45	ug/Kg	100
72)	t-Butylbenzene	12.98	119	14860918	107.01	ug/Kg	96
73)	1,2,4-Trimethylbenzene	13.04	105	16315133	107.26	ug/Kg	97
74)	sec-Butylbenzene	13.23	105	20212558	104.70	ug/Kg	97
75)	4-Isopropyltoluene	13.42	119	17675641	104.84	ug/Kg	97
76)	1,3-Dichlorobenzene	13.40	146	8910079	97.84	ug/Kg	99
78)	1,4-Dichlorobenzene	13.51	146	9207041	95.22	ug/Kg	100
79)	n-Butylbenzene	13.92	134	4669167	105.22	ug/Kg	98
80)	1,2-Dichlorobenzene	13.97	146	8598623	96.41	ug/Kg	95
81)	1,2-Dibromo-3-chloropropan	14.93	75	529445	100.01	ug/Kg	98
82)	1,3,5-Trichlorobenzene	15.18	180	7098781	93.86	ug/Kg	99
83)	1,2,4-Trichlorobenzene	15.95	180	6346701	96.22	ug/Kg	95
84)	Hexachlorobutadiene	16.15	225	4123888	104.28	ug/Kg	95
85)	Naphthalene	16.26	128	11433719	98.29	ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	5821916	92.93	ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

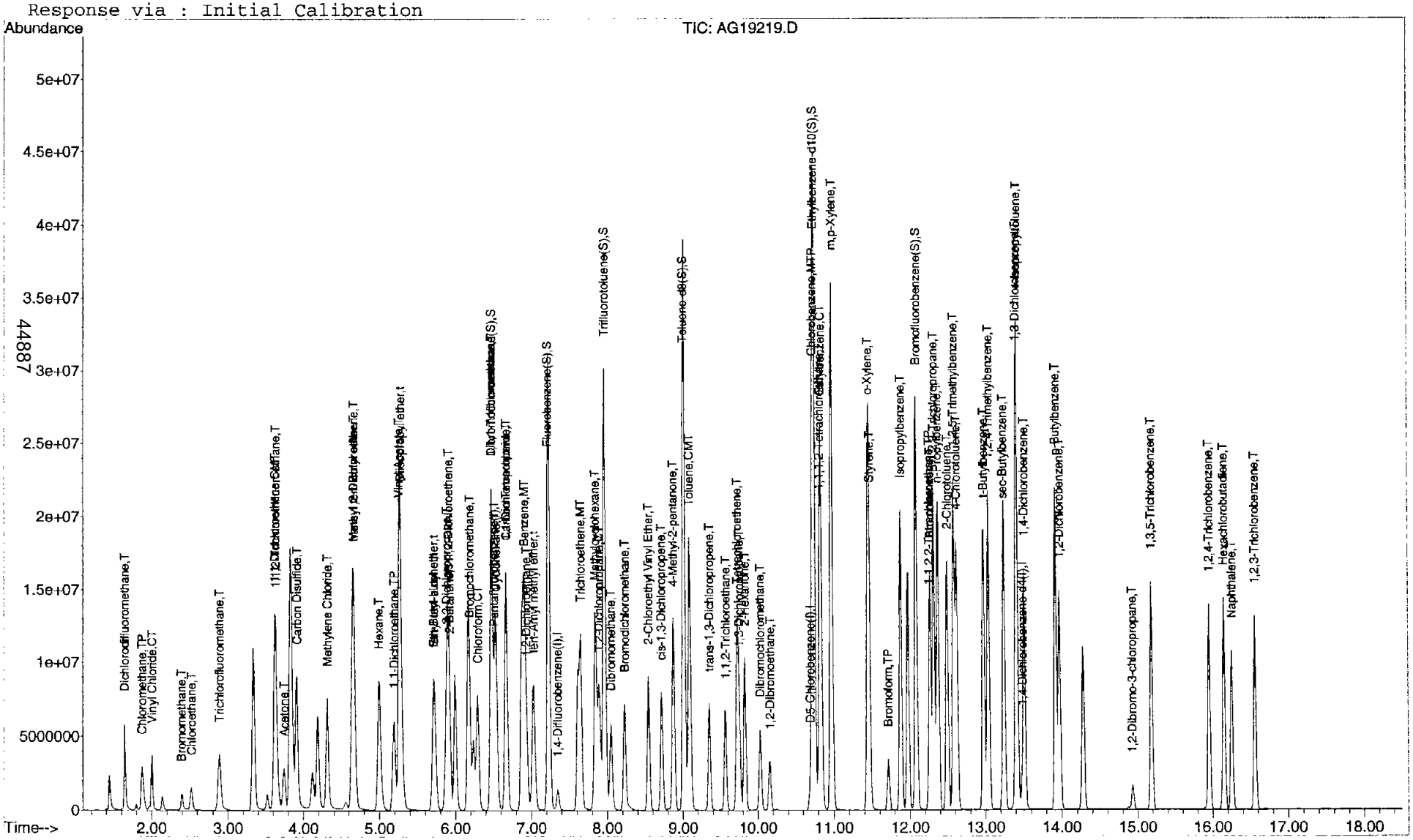
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19219.D
Acq On : 2 Nov 2004 3:51 pm
Sample : 100 ug/Kg initial calibration
Misc : solid #5.000 12496108
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:21 2004

Vial: 11
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



00423

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19220.D Vial: 12
Acq On : 2 Nov 2004 4:17 pm Operator: frz
Sample : 200 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496109 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:57 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	949462	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1494557	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	264194	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	586618	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	20004712	446.91	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	= 4469.10%#		
34) Fluorobenzene(S)	7.21	96	34048864	197.37	ug/Kg	-0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	= 1973.70%#		
36) Trifluorotoluene(S)	7.95	146	27219990	349.94	ug/Kg	-0.01
Spiked Amount 20.000	Range 89 - 120		Recovery	= 1749.70%#		
45) Toluene-d8(S)	9.00	98	32909819	201.12	ug/Kg	-0.01
Spiked Amount 10.000	Range 92 - 107		Recovery	= 2011.20%#		
55) Ethylbenzene-d10(S)	10.72	98	31959721	165.05	ug/Kg	-0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	= 1650.50%#		
64) Bromofluorobenzene(S)	12.09	174	20867993	419.17	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	= 4191.70%#		

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	9786360	190.09	ug/Kg	99
3) Chloromethane	1.87	50	8912254	197.77	ug/Kg	95
4) Vinyl Chloride	2.00	62	7922036	222.86	ug/Kg	99
5) Bromomethane	2.39	94	1366225	70.49	ug/Kg	98
6) Chloroethane	2.51	64	800830	48.23	ug/Kg	87
7) Trichlorofluoromethane	2.86	101	9439482	196.57	ug/Kg	94
8) 1,1-Dichloroethene	3.61	96	7635254	176.86	ug/Kg	96
9) 1,1,2-Trichlorotrifluoroet	3.62	151	7916677	190.07	ug/Kg	91
10) Carbon Disulfide	3.89	76	25374882	156.14	ug/Kg	97
11) Acetone	3.76	43	9748687	1000.05	ug/Kg	99
12) tert-Butyl alcohol	5.72	59	23112515	1021.80	ug/Kg	98
13) Methylene Chloride	4.30	49	10403508	194.27	ug/Kg	98
14) Methyl tert-Butyl ether	4.66	73	18774057	198.30	ug/Kg	93
15) trans-1,2-Dichloroethene	4.65	96	8392811	176.26	ug/Kg	98
16) Hexane	4.99	56	6939915	200.98	ug/Kg	94
17) Diisopropyl ether	5.28	45	24450326	182.52	ug/Kg	97
18) 1,1-Dichloroethane	5.18	63	14886974	186.12	ug/Kg	98
20) Ethyl tert-butyl ether	5.72	87	9735721	207.98	ug/Kg	88
21) 2,2-Dichloropropane	5.88	77	12355034	196.33	ug/Kg	99
22) cis-1,2-Dichloroethene	5.91	96	9305518	180.29	ug/Kg	93
23) 2-Butanone	5.93	57	990166	1003.63	ug/Kg#	83
24) Bromochloromethane	6.19	49	5628133	168.09	ug/Kg	93
25) Chloroform	6.30	85	9521722	188.15	ug/Kg	100
26) 1,1,1-Trichloroethane	6.48	97	12692933	192.02	ug/Kg	97
27) Cyclohexane	6.53	56	15716059	179.04	ug/Kg	98
29) Carbon Tetrachloride	6.67	119	11440349	205.45	ug/Kg	99
30) 1,1-Dichloropropene	6.67	75	11178713	189.63	ug/Kg	98
31) tert-Amyl methyl ether	7.03	73	19639984	208.05	ug/Kg	98
32) Benzene	6.90	78	24667261	142.64	ug/Kg	88
33) 1,2-Dichloroethane	6.94	62	10084375	196.51	ug/Kg	95
37) Trichloroethene	7.65	130	9099655	176.13	ug/Kg	96
38) Methylcyclohexane	7.84	55	11539963	181.74	ug/Kg	97
39) 1,2-Dichloropropane	7.89	63	7966018	175.56	ug/Kg	92
40) Dibromomethane	8.05	174	5202873	191.96	ug/Kg	95
41) Bromodichloromethane	8.23	83	10269629	193.89	ug/Kg	99
42) 2-Chloroethyl Vinyl Ether	8.54	63	7482726	828.93	ug/Kg#	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19220.D
Acq On : 2 Nov 2004 4:17 pm
Sample : 200 ug/Kg initial calibration
Misc : solid #5.000 12496109
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:57 2004

Vial: 12
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43)	cis-1,3-Dichloropropene	8.71	75	11940926	198.24 ug/Kg	96
44)	4-Methyl-2-pentanone	8.88	85	4063440	946.39 ug/Kg	93
46)	Toluene	9.08	91	25775512	136.14 ug/Kg	81
47)	trans-1,3-Dichloropropene	9.35	75	10285215	206.26 ug/Kg	97
48)	1,1,2-Trichloroethane	9.57	97	5948637	175.56 ug/Kg	96
49)	Tetrachloroethene	9.73	164	7465319	178.24 ug/Kg	95
50)	1,3-Dichloropropane	9.75	76	9857712	183.71 ug/Kg	96
51)	2-Hexanone	9.83	85	1522434	953.13 ug/Kg#	91
52)	Dibromochloromethane	10.03	129	7248210	213.67 ug/Kg	99
53)	1,2-Dibromoethane	10.16	107	6069314	194.58 ug/Kg	99
56)	Chlorobenzene	10.72	112	19184594	158.90 ug/Kg	92
57)	1,1,1,2-Tetrachloroethane	10.82	131	7336829	188.00 ug/Kg	95
58)	Ethylbenzene	10.83	91	25380937	131.73 ug/Kg	77
59)	m,p-Xylene	10.96	106	23789899	308.53 ug/Kg#	59
60)	o-Xylene	11.43	91	23383387	157.55 ug/Kg	83
61)	Styrene	11.46	104	20451494	174.37 ug/Kg	80
62)	Bromoform	11.71	173	4443095	237.80 ug/Kg	98
63)	Isopropylbenzene	11.87	105	25714075	137.16 ug/Kg	77
65)	Bromobenzene	12.27	156	9214323	187.54 ug/Kg	98
66)	1,1,2,2-Tetrachloroethane	12.27	83	10106009+	173.60 ug/Kg	99
67)	1,2,3-Trichloropropane	12.32	110	1768710	194.21 ug/Kg	96
68)	n-Propylbenzene	12.36	91	28280359	123.06 ug/Kg	75
69)	2-Chlorotoluene	12.50	126	9219738	188.12 ug/Kg#	76
70)	4-Chlorotoluene	12.62	126	9331808	191.28 ug/Kg	87
71)	1,3,5-Trimethylbenzene	12.57	105	23083450	150.47 ug/Kg	79
72)	t-Butylbenzene	12.97	119	23257793	163.44 ug/Kg	82
73)	1,2,4-Trimethylbenzene	13.03	105	23272159	149.31 ug/Kg	83
74)	sec-Butylbenzene	13.23	105	26079121	131.83 ug/Kg	79
75)	4-Isopropyltoluene	13.40	119	23788928	137.70 ug/Kg	78
76)	1,3-Dichlorobenzene	13.40	146	16559053	177.46 ug/Kg	99
78)	1,4-Dichlorobenzene	13.51	146	17385889	177.03 ug/Kg	98
79)	n-Butylbenzene	13.92	134	8741692	193.96 ug/Kg#	71
80)	1,2-Dichlorobenzene	13.97	146	16724924	184.64 ug/Kg	95
81)	1,2-Dibromo-3-chloropropan	14.93	75	1130354	210.23 ug/Kg	95
82)	1,3,5-Trichlorobenzene	15.18	180	13948833	181.59 ug/Kg	98
83)	1,2,4-Trichlorobenzene	15.95	180	12527857	187.01 ug/Kg	95
84)	Hexachlorobutadiene	16.15	225	7863424	195.96 ug/Kg	95
85)	Naphthalene	16.24	128	20891504	176.83 ug/Kg	99
86)	1,2,3-Trichlorobenzene	16.56	180	11688085	183.70 ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

00425

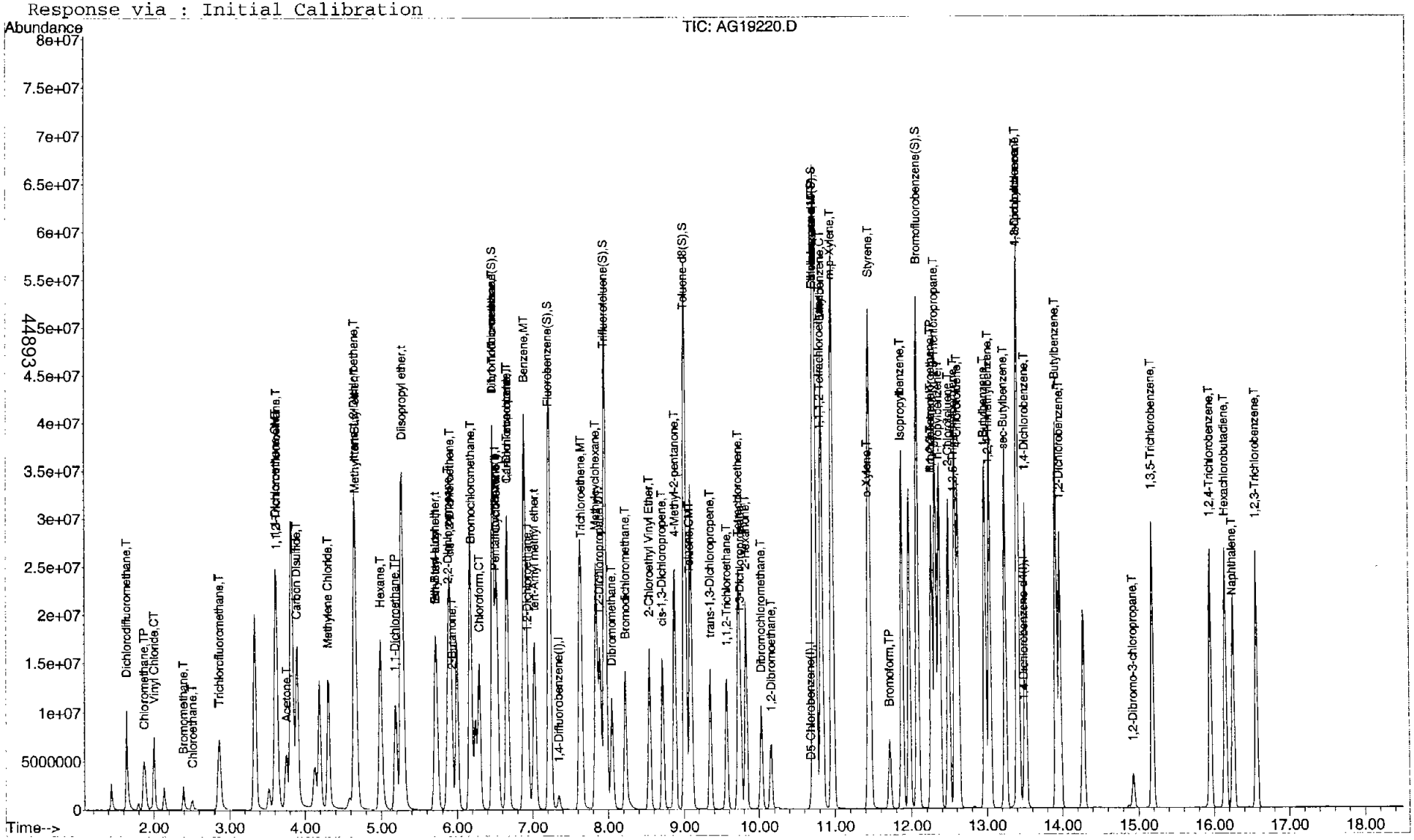
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19220.D
Acq On : 2 Nov 2004 4:17 pm
Sample : 200 ug/Kg initial calibration
Misc : solid #5.000 12496109
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:21 2004

Vial: 12
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



00426

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19224.D
Acq On : 2 Nov 2004 5:59 pm
Sample : 4.0 ug/Kg ICV/bs voa1008
Misc : solid #5.000 12496110
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:22:05 2004

Vial: 16
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	930869	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1393227	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	254304	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	544263	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	421113	9.60	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 96.00%			
34) Fluorobenzene(S)	7.23	96	1578657	9.33	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 93.30%			
36) Trifluorotoluene(S)	7.96	146	1546384	21.33	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 106.65%			
45) Toluene-d8(S)	9.02	98	1456992	9.55	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 95.50%			
55) Ethylbenzene-d10(S)	10.74	98	1799015	9.65	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 96.50%			
64) Bromofluorobenzene(S)	12.09	174	466841	9.74	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 97.40%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	202668	4.02	ug/Kg	98
3) Chloromethane	1.87	50	226761	4.46	ug/Kg	97
4) Vinyl Chloride	2.00	62	147247	4.22	ug/Kg	97
5) Bromomethane	2.41	94	56088	4.94	ug/Kg	99
6) Chloroethane	2.56	64	72127	4.43	ug/Kg	97
7) Trichlorofluoromethane	2.90	101	191845	3.77	ug/Kg	93
8) 1,1-Dichloroethene	3.64	96	165034	3.90	ug/Kg	98
9) 1,1,2-Trichlorotrifluoroet	3.65	151	122526	3.00	ug/Kg	86
10) Carbon Disulfide	3.91	76	2684139	16.85	ug/Kg	99
11) Acetone	3.73	43	151811	16.34	ug/Kg	98
12) tert-Butyl alcohol	5.72	59	482692	21.77	ug/Kg	97
13) Methylene Chloride	4.31	49	261557	4.21	ug/Kg	100
14) Methyl tert-Butyl ether	4.66	73	407566	4.39	ug/Kg	94
15) trans-1,2-Dichloroethene	4.66	96	187924	4.03	ug/Kg	99
16) Hexane	4.99	56	56895	1.53	ug/Kg	94
17) Diisopropyl ether	5.28	45	560181	4.27	ug/Kg	97
18) 1,1-Dichloroethane	5.20	63	330421	4.21	ug/Kg	98
19) Vinyl Acetate	5.27	43	834719	10.95	ug/Kg#	96
20) Ethyl tert-butyl ether	5.72	87	199195	4.34	ug/Kg	92
21) 2,2-Dichloropropane	5.88	77	239024	3.87	ug/Kg	97
22) cis-1,2-Dichloroethene	5.91	96	203085	4.01	ug/Kg	91
23) 2-Butanone	5.92	57	19395	18.74	ug/Kg#	91
24) Bromochloromethane	6.19	49	144796	4.41	ug/Kg	94
25) Chloroform	6.30	85	203131	4.09	ug/Kg	97
26) 1,1,1-Trichloroethane	6.48	97	276314	4.26	ug/Kg	94
27) Cyclohexane	6.54	56	311658	3.62	ug/Kg	99
29) Carbon Tetrachloride	6.67	119	226575	4.15	ug/Kg	98
30) 1,1-Dichloropropene	6.67	75	221890	3.84	ug/Kg	98
31) tert-Amyl methyl ether	7.02	73	405860	4.39	ug/Kg	96
32) Benzene	6.91	78	727713	4.29	ug/Kg	97
33) 1,2-Dichloroethane	6.94	62	216004	4.29	ug/Kg	92
37) Trichloroethene	7.65	130	197028	4.09	ug/Kg	96
38) Methylcyclohexane	7.84	55	181798	3.07	ug/Kg	93
39) 1,2-Dichloropropane	7.89	63	175050	4.14	ug/Kg	93
40) Dibromomethane	8.05	174	113023	4.47	ug/Kg	93
41) Bromodichloromethane	8.23	83	213579	4.33	ug/Kg	97

44895

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19224.D
Acq On : 2 Nov 2004 5:59 pm
Sample : 4.0 ug/Kg ICV/bs voa1008
Misc : solid #5.000 12496110
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:22:05 2004

Vial: 16
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	230956	27.45	ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	240917	4.29	ug/Kg	97
44)	4-Methyl-2-pentanone	8.87	85	99354	24.82	ug/Kg	96
46)	Toluene	9.09	91	732546	4.15	ug/Kg	99
47)	trans-1,3-Dichloropropene	9.35	75	181153	3.90	ug/Kg	91
48)	1,1,2-Trichloroethane	9.56	97	133280	4.22	ug/Kg	96
49)	Tetrachloroethene	9.73	164	144788	3.71	ug/Kg	97
50)	1,3-Dichloropropane	9.75	76	226672	4.53	ug/Kg	96
51)	2-Hexanone	9.83	85	31232	20.98	ug/Kg#	85
52)	Dibromochloromethane	10.03	129	129353	4.09	ug/Kg	99
53)	1,2-Dibromoethane	10.15	107	127805	4.40	ug/Kg	96
56)	Chlorobenzene	10.72	112	484336	4.17	ug/Kg	94
57)	1,1,1,2-Tetrachloroethane	10.82	131	155699	4.14	ug/Kg	96
58)	Ethylbenzene	10.83	91	785931	4.24	ug/Kg	100
59)	m,p-Xylene	10.97	106	606666	8.17	ug/Kg	96
60)	o-Xylene	11.45	91	593765	4.16	ug/Kg	97
61)	Styrene	11.47	104	410151	3.63	ug/Kg	88
62)	Bromoform	11.71	173	72556	4.03	ug/Kg	99
63)	Isopropylbenzene	11.88	105	672123	3.72	ug/Kg	97
65)	Bromobenzene	12.27	156	191876	4.06	ug/Kg#	76
66)	1,1,2,2-Tetrachloroethane	12.27	83	248381+	4.43	ug/Kg	98
67)	1,2,3-Trichloropropane	12.32	110	44424	4.76	ug/Kg	96
68)	n-Propylbenzene	12.38	91	871815	3.94	ug/Kg	98
69)	2-Chlorotoluene	12.50	126	182649	3.87	ug/Kg	100
70)	4-Chlorotoluene	12.62	126	177899	3.79	ug/Kg	84
71)	1,3,5-Trimethylbenzene	12.58	105	569652	3.86	ug/Kg	96
72)	t-Butylbenzene	12.98	119	551355	4.03	ug/Kg	94
73)	1,2,4-Trimethylbenzene	13.04	105	602892	4.02	ug/Kg	97
74)	sec-Butylbenzene	13.25	105	779802	4.10	ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	606966	3.65	ug/Kg	96
76)	1,3-Dichlorobenzene	13.40	146	344343	3.83	ug/Kg	99
78)	1,4-Dichlorobenzene	13.51	146	343153	3.77	ug/Kg	96
79)	n-Butylbenzene	13.92	134	141547	3.39	ug/Kg	99
80)	1,2-Dichlorobenzene	13.97	146	326076	3.88	ug/Kg	97
81)	1,2-Dibromo-3-chloropropan	14.93	75	21590	4.33	ug/Kg	95
82)	1,3,5-Trichlorobenzene	15.18	180	216107	3.03	ug/Kg	98
83)	1,2,4-Trichlorobenzene	15.95	180	217786	3.50	ug/Kg	99
84)	Hexachlorobutadiene	16.15	225	142457	3.63	ug/Kg	89
85)	Naphthalene	16.26	128	517876	4.72	ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	222412	3.77	ug/Kg	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

STL-Seattle

Instrument:	ITS-40/HP5973N
Method:	5035/8260b
Matrix:	solid
Analyst:	frz/st
Date Prepared:	3/24/2003
Date Analyzed:	
Units:	ug/Kg

its_40_h
5035_826
solid
frz_st
0
its_40_h.xls
e:\md\solid\5035_826

5ml spike factor = 2

Parameter Name	Spiked Amt.	Data stdev	Data ave %R	Mean of Spk Amount	+ 3 Sigma UAL	+ 2 Sigma UWL	- 2 Sigma LWL	- 3 Sigma LAL	Percent Recovery xxxxxx	RESULTS fail	Datafile ag19224 xxxxxx
Dichlorodifluoromethane	4	0.86	85.69	3.43	149.91	128.50	42.88	21.48	100.38	pass	4.0153
Chloromethane	4	0.62	101.15	4.05	147.51	132.06	70.25	54.80	111.48	pass	4.4591
Vinyl chloride	4	0.56	96.87	3.87	138.75	124.79	68.96	55.00	105.63	pass	4.225
Bromomethane @	4	1.05	98.11	3.92	176.77	150.55	45.67	19.45	123.41	pass	4.9365
Chloroethane	4	0.41	92.39	3.70	123.05	112.83	71.95	61.73	110.77	pass	4.4306
Trichlorofluoromethane	4	0.48	87.08	3.48	123.20	111.16	62.99	50.95	94.37	pass	3.7748
1,1-Dichloroethene	4	0.48	98.17	3.93	132.93	121.34	75.00	63.42	97.48	pass	3.8992
1,1,2-Trichlorotrifluoroethane	4	0.40	92.38	3.70	122.62	112.54	72.23	62.15	75.01	pass	3.0004
Acrolein @	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Carbon disulfide	20	2.09	80.61	16.12	111.98	101.52	59.70	49.24	84.23	pass	16.846
Acetone @	20	10.21	65.66	13.13	218.87	167.80	-36.48	-87.55	81.71	pass	16.3422
Iodomethane	20	2.64	53.42	10.68	93.01	79.82	27.03	13.84	0.00	fail	
Methylene chloride	4	1.33	101.48	4.06	201.54	168.19	34.78	1.42	105.19	pass	4.2077
Methyl tert-butyl ether	4	0.60	124.88	5.00	169.52	154.64	95.11	80.23	109.77	pass	4.3908
trans-1,2-Dichloroethene	4	0.42	97.33	3.89	128.74	118.27	76.40	65.93	100.64	pass	4.0254
Acrylonitrile	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Hexane	4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	38.19	#DIV/0!	1.5276
1,1-Dichloroethane	4	0.42	98.61	3.94	130.09	119.60	77.61	67.12	105.34	pass	4.2134
Vinyl acetate	20	9.98	73.92	14.78	223.63	173.72	-25.89	-75.79	54.73	pass	10.9459
2,2-Dichloropropane	4	0.43	101.90	4.08	134.21	123.44	80.36	69.58	96.85	pass	3.8741
2-Butanone	20	4.37	66.95	13.39	132.57	110.70	23.21	1.33	93.68	pass	18.7357
cis-1,2-Dichloroethene	4	0.40	97.62	3.90	127.37	117.45	77.78	67.86	100.33	pass	4.0133
Tetrahydrofuran	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Bromochloromethane	4	0.53	109.13	4.37	148.51	135.38	82.88	69.75	110.27	pass	4.4108
Methacrylonitrile	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Chloroform	4	0.40	97.01	3.88	126.92	116.95	77.08	67.11	102.35	pass	4.094
1,1,1-Trichloroethane	4	0.43	99.62	3.98	131.88	121.13	78.10	67.35	106.59	pass	4.2636
Carbon Tetrachloride	4	0.44	97.62	3.90	130.42	119.48	75.75	64.82	103.75	pass	4.1501
1,1-Dichloropropene	4	0.38	95.73	3.83	123.97	114.56	76.91	67.49	95.98	pass	3.8392
Benzene	4	0.36	99.70	3.99	126.57	117.61	81.79	72.84	107.30	pass	4.292
1,2-Dichloroethane	4	0.41	99.68	3.99	130.14	119.99	79.38	69.22	107.33	pass	4.2932
Trichloroethene	4	0.48	100.30	4.01	136.12	124.18	76.42	64.48	102.27	pass	4.0909
1,2-Dichloropropane	4	0.65	105.93	4.24	154.86	138.55	73.30	56.99	103.46	pass	4.1383
1,4-Dioxane @	40	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Dibromomethane	4	0.33	103.73	4.15	128.45	120.21	87.25	79.01	111.83	pass	4.4732
Bromodichloromethane	4	0.36	103.06	4.12	129.88	120.94	85.18	76.24	108.14	pass	4.3256
2-Chloroethyl vinyl ether @	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	137.23	#DIV/0!	27.4458
cis-1,3-Dichloropropene	4	0.26	97.91	3.92	117.62	111.05	84.77	78.20	107.26	pass	4.2905
4-Methyl-2-pentanone	20	4.21	100.78	20.16	164.00	142.92	58.64	37.57	124.12	pass	24.823
Toluene	4	0.34	99.37	3.97	125.18	116.58	82.17	73.57	103.77	pass	4.1506
trans-1,3-Dichloropropene	4	0.27	92.45	3.70	112.65	105.92	78.98	72.25	97.43	pass	3.8971
1,1,2-Trichloroethane	4	0.32	101.17	4.05	125.22	117.20	85.14	77.12	105.49	pass	4.2195
Tetrachloroethene	4	0.36	97.08	3.88	123.95	115.00	79.17	70.21	92.71	pass	3.7083
1,3-Dichloropropane	4	0.33	101.84	4.07	126.76	118.45	85.22	76.92	113.29	pass	4.5316
2-Hexanone	20	5.06	79.29	15.86	155.15	129.87	28.71	3.43	104.88	pass	20.9751
Dibromochloromethane	4	0.34	94.50	3.78	120.10	111.57	77.43	68.89	102.26	pass	4.0905
1,2-Dibromoethane	4	0.38	102.98	4.12	131.28	121.84	84.12	74.68	109.89	pass	4.3955
Chlorobenzene	4	0.31	101.16	4.05	124.21	116.53	85.80	78.11	104.19	pass	4.1676
Ethylbenzene	4	0.36	101.80	4.07	128.93	119.88	83.71	74.66	105.95	pass	4.2378
1,1,1,2-Tetrachloroethane	4	0.27	101.10	4.04	121.06	114.41	87.79	81.13	103.62	pass	4.1448
m,p-Xylene	8	0.79	99.92	7.99	129.38	119.56	80.27	70.45	102.17	pass	8.1739
o-Xylene	4	0.35	100.55	4.02	126.63	117.94	83.16	74.46	103.91	pass	4.1562
Styrene	4	0.47	97.43	3.90	132.92	121.09	73.77	61.94	90.83	pass	3.633
Bromoform	4	0.35	99.62	3.98	126.03	117.23	82.02	73.22	100.86	pass	4.0343
Isopropylbenzene	4	0.38	92.78	3.71	121.54	111.95	73.60	64.01	93.12	pass	3.7246
cis-1,4-Dichloro-2-butene	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Bromobenzene	4	0.36	101.09	4.04	127.75	118.86	83.33	74.44	101.43	pass	4.0572
n-Propylbenzene	4	0.43	100.48	4.02	132.50	121.83	79.13	68.45	98.53	pass	3.9412
1,1,2,2-Tetrachloroethane	4	0.78	105.39	4.22	163.52	144.15	66.63	47.25	110.82	pass	4.4326
trans-1,4-Dichloro-2-butene	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
1,2,3-Trichloropropane	4	0.69	107.32	4.29	159.35	142.01	72.63	55.28	119.06	pass	4.7623
2-Chlorotoluene	4	0.39	100.76	4.03	130.15	120.35	81.17	71.37	96.80	pass	3.8718

00426

STL-Seattle

1,3,5-Trimethylbenzene	4	0.45	98.89	3.96	132.30	121.16	76.62	65.48	96.45	pass	3.8578
4-Chlorotoluene	4	0.47	97.91	3.92	133.37	121.55	74.28	62.46	94.71	pass	3.7883
1-Butylbenzene	4	0.41	98.31	3.93	128.97	118.75	77.87	67.65	100.63	pass	4.0252
1,2,4-Trimethylbenzene	4	0.48	103.52	4.14	139.67	127.62	79.43	67.38	100.46	pass	4.0185
sec-Butylbenzene	4	0.51	102.07	4.08	140.36	127.60	76.55	63.79	102.38	pass	4.0953
1,3-Dichlorobenzene	4	0.49	98.68	3.95	135.27	123.08	74.28	62.09	95.84	pass	3.8337
4-Isopropyltoluene	4	0.51	94.19	3.77	132.22	119.54	68.83	56.15	91.25	pass	3.6499
1,4-Dichlorobenzene	4	0.47	101.48	4.06	136.65	124.92	78.03	66.31	94.15	pass	3.7661
Benzyl chloride	4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	84.63	#DIV/0!	3.3851
n-Butylbenzene	4	0.58	97.52	3.90	141.21	126.65	68.39	53.82	97.00	pass	3.88
1,2-Dichlorobenzene	4	0.38	99.81	3.99	128.35	118.83	80.79	71.28	108.20	pass	4.3278
1,2-Dibromo-3-chloropropane	4	0.88	105.17	4.21	171.19	149.19	61.16	39.15	75.81	pass	3.0323
1,3,5-Trichlorobenzene	4	0.73	103.78	4.15	158.81	140.47	67.09	48.74	87.60	pass	3.5039
1,2,4-Trichlorobenzene	4	0.59	101.18	4.05	145.79	130.92	71.45	56.58	94.19	pass	3.7676
Hexachlorobutadiene	4	0.57	99.79	3.99	142.62	128.34	71.25	56.97	90.84	pass	3.6334
Naphthalene	4	0.63	111.60	4.46	158.56	142.91	80.28	64.63	118.11	pass	4.7245
1,2,3-Trichlorobenzene	4	0.47	102.60	4.10	137.98	126.19	79.02	67.22	90.54	pass	3.6214

00430

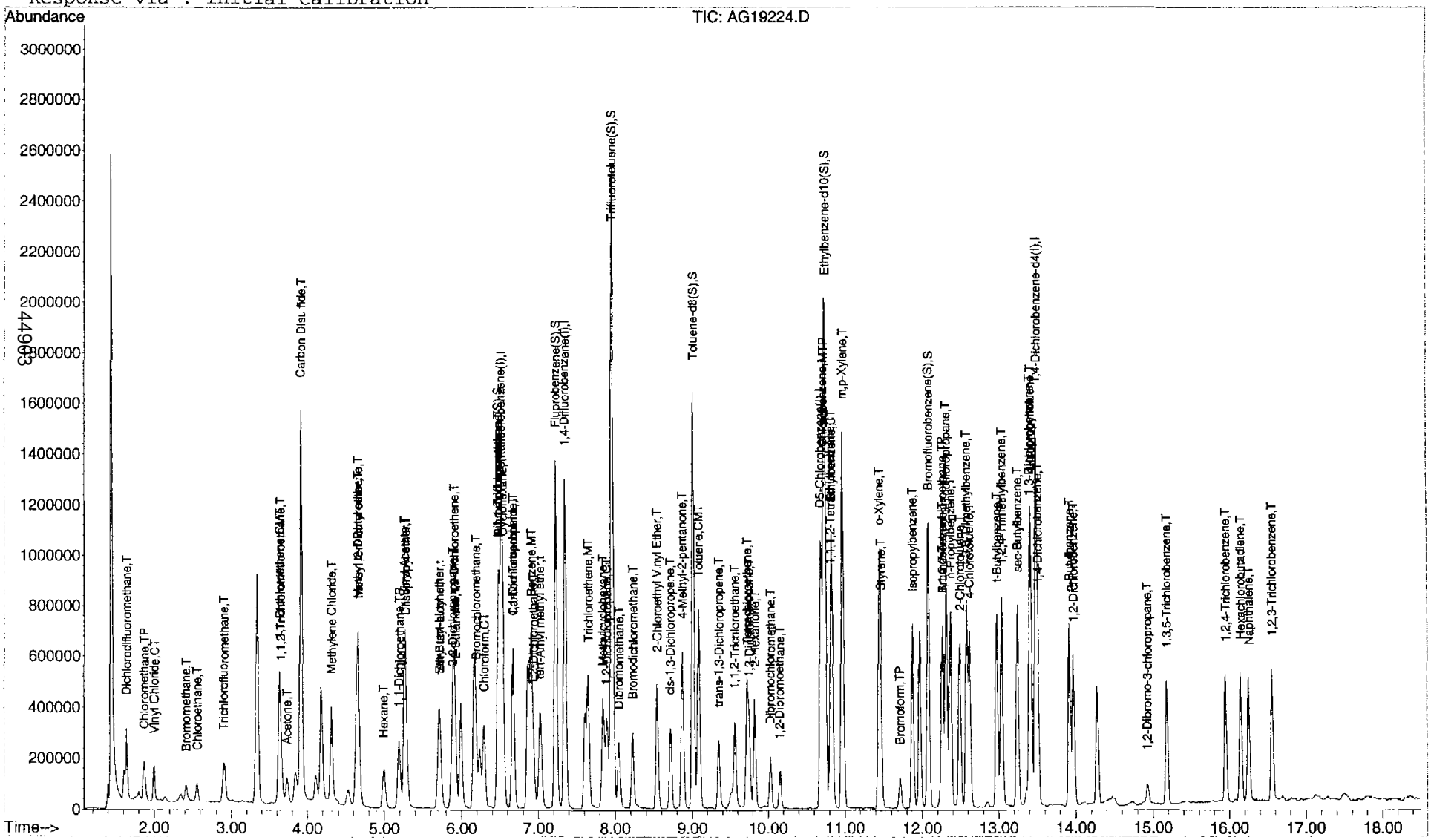
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19224.D
Acq On : 2 Nov 2004 5:59 pm
Sample : 4.0 ug/Kg ICV/bs voa1008
Misc : solid #5.000 12496110
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:22 2004

Vial: 16
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



00431

Evaluate Continuing Calibration Report

Data File : E:\DATA\11022004\AG19224.D
Acq On : 2 Nov 2004 5:59 pm
Sample : 4.0 ug/Kg ICV/bs voa1008
Misc : solid #5.000 12496110
MS Integration Params: RTEINT.P

Vial: 16
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene(I)	10.000	10.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	4.000	4.015	-0.4	103	0.00
3	TP	Chloromethane	4.000	4.459	-11.5	105	0.00
4	CT	Vinyl Chloride	4.000	4.225	-5.6	103	0.00
5	T	Bromomethane	4.000	4.936	-23.4#	122	-0.01
6	T	Chloroethane	4.000	4.431	-10.8	99	0.00
7	T	Trichlorofluoromethane	4.000	3.775	5.6	97	-0.01
8	CMT	1,1-Dichloroethene	4.000	3.899	2.5	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	4.000	3.000	25.0#	76	-0.01
10	T	Carbon Disulfide	4.000	16.846	-321.1#	435	-0.02
11	T	Acetone	20.000	16.342	18.3	66	0.01
12	t	tert-Butyl alcohol	20.000	21.766	-8.8	104	0.00
13	T	Methylene Chloride	4.000	4.208	-5.2	104	-0.01
14	T	Methyl tert-Butyl ether	4.000	4.391	-9.8	106	0.01
15	T	trans-1,2-Dichloroethene	4.000	4.025	-0.6	100	0.00
16	T	Hexane	4.000	1.528	61.8#	36	-0.01
17	t	Diisopropyl ether	4.000	4.265	-6.6	97	0.01
18	TP	1,1-Dichloroethane	4.000	4.213	-5.3	109	0.00
19	T	Vinyl Acetate	20.000	10.946	45.3#	51	0.00
20	t	Ethyl tert-butyl ether	4.000	4.340	-8.5	106	0.00
21	T	2,2-Dichloropropane	4.000	3.874	3.1	103	0.00
22	T	cis-1,2-Dichloroethene	4.000	4.013	-0.3	102	0.00
23	T	2-Butanone	20.000	18.736	6.3	85	0.01
24	T	Bromochloromethane	4.000	4.411	-10.3	103	0.00
25	CT	Chloroform	4.000	4.094	-2.4	103	0.00
26	T	1,1,1-Trichloroethane	4.000	4.264	-6.6	111	0.00
27	T	Cyclohexane	4.000	3.621	9.5	94	0.00
28	S	Dibromofluoromethane(S)	10.000	9.596	4.0	97	0.00
29	T	Carbon Tetrachloride	4.000	4.150	-3.8	106	0.00
30	T	1,1-Dichloropropene	4.000	3.839	4.0	97	0.00
31	t	tert-Amyl methyl ether	4.000	4.385	-9.6	108	0.00
32	MT	Benzene	4.000	4.292	-7.3	108	0.00
33	T	1,2-Dichloroethane	4.000	4.293	-7.3	107	0.00
34	S	Fluorobenzene(S)	10.000	9.334	6.7	96	0.00
35	I	1,4-Difluorobenzene(I)	10.000	10.000	0.0	100	0.00
36	S	Trifluorotoluene(S)	10.000	21.326	-113.3#	201	0.00
37	MT	Trichloroethene	4.000	4.091	-2.3	102	0.00
38	T	Methylcyclohexane	4.000	3.071	23.2#	74	-0.01
39	CT	1,2-Dichloropropane	4.000	4.138	-3.4	105	0.00
40	T	Dibromomethane	4.000	4.473	-11.8	108	0.00
41	T	Bromodichloromethane	4.000	4.326	-8.1	108	0.00
42	T	2-Chloroethyl Vinyl Ether	20.000	27.446	-37.2#	118	0.04
43	T	cis-1,3-Dichloropropene	4.000	4.290	-7.3	113	-0.01
44	T	4-Methyl-2-pentanone	20.000	24.823	-24.1#	123	0.00
45	S	Toluene-d8(S)	10.000	9.552	4.5	96	0.00
46	CMT	Toluene	4.000	4.151	-3.8	103	0.00
47	T	trans-1,3-Dichloropropene	4.000	3.897	2.6	101	0.00
48	T	1,1,2-Trichloroethane	4.000	4.220	-5.5	107	-0.01
49	T	Tetrachloroethene	4.000	3.708	7.3	94	0.00
50	T	1,3-Dichloropropane	4.000	4.532	-13.3	110	0.00
51	T	2-Hexanone	20.000	20.975	-4.9	97	0.00
52	T	Dibromochloromethane	4.000	4.090	-2.2	109	0.00
53	T	1,2-Dibromoethane	4.000	4.395	-9.9	105	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\DATA\11022004\AG19224.D Vial: 16
Acq On : 2 Nov 2004 5:59 pm Operator: frz
Sample : 4.0 ug/Kg ICV/bs voa1008 Inst : VOAInst#3
Misc : solid #5.000 12496110 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
55	S	Ethylbenzene-d10(S)	10.000	9.652	3.5	99	0.01
56	MTP	Chlorobenzene	4.000	4.168	-4.2	102	0.01
57	T	1,1,1,2-Tetrachloroethane	4.000	4.145	-3.6	109	0.01
58	CT	Ethylbenzene	4.000	4.238	-6.0	103	0.01
59	T	m,p-Xylene	8.000	8.174	-2.2	100	0.01
60	T	o-Xylene	4.000	4.156	-3.9	104	0.01
61	T	Styrene	4.000	3.633	9.2	92	0.01
62	TP	Bromoform	4.000	4.034	-0.8	119	0.01
63	T	Isopropylbenzene	4.000	3.725	6.9	92	0.01
64	S	Bromofluorobenzene(S)	10.000	9.742	2.6	97	0.01
65	T	Bromobenzene	4.000	4.057	-1.4	106	0.01
66	TP	1,1,2,2-Tetrachloroethane	4.000	4.433	-10.8	111	0.01
67	T	1,2,3-Trichloropropane	4.000	4.762	-19.0	108	0.01
68	T	n-Propylbenzene	4.000	3.941	1.5	93	0.01
69	T	2-Chlorotoluene	4.000	3.872	3.2	97	0.01
70	T	4-Chlorotoluene	4.000	3.788	5.3	95	0.01
71	T	1,3,5-Trimethylbenzene	4.000	3.858	3.5	97	0.01
72	T	t-Butylbenzene	4.000	4.025	-0.6	103	0.01
73	T	1,2,4-Trimethylbenzene	4.000	4.018	-0.4	100	0.01
74	T	sec-Butylbenzene	4.000	4.095	-2.4	99	0.02
75	T	4-Isopropyltoluene	4.000	3.650	8.8	90	0.01
76	T	1,3-Dichlorobenzene	4.000	3.834	4.1	95	0.01
77	I	1,4-Dichlorobenzene-d4(I)	10.000	10.000	0.0	99	0.00
78	T	1,4-Dichlorobenzene	4.000	3.766	5.8	96	0.00
79	T	n-Butylbenzene	4.000	3.385	15.4	83	0.00
80	T	1,2-Dichlorobenzene	4.000	3.880	3.0	97	0.00
81	T	1,2-Dibromo-3-chloropropane	4.000	4.328	-8.2	124	-0.01
82	T	1,3,5-Trichlorobenzene	4.000	3.032	24.2#	77	-0.01
83	T	1,2,4-Trichlorobenzene	4.000	3.504	12.4	89	0.00
84	T	Hexachlorobutadiene	4.000	3.633	9.2	88	0.00
85	T	Naphthalene	4.000	4.725	-18.1	122	0.00
86	T	1,2,3-Trichlorobenzene	4.000	3.768	5.8	98	0.00

Evaluate Continuing Calibration Report

Data File : E:\DATA\11022004\AG19224.D Vial: 16
Acq On : 2 Nov 2004 5:59 pm Operator: frz
Sample : 4.0 ug/Kg ICV/bs voa1008 Inst : VOAInst#3
Misc : solid #5.000 12496110 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene(I)	1.000	1.000	0.0	101	0.00
2	T	Dichlorodifluoromethane	0.542	0.544	-0.4	103	0.00
3	TP	Chloromethane	0.643	0.609	5.3	105	0.00
4	CT	Vinyl Chloride	0.374	0.395	-5.6	103	0.00
5	T	Bromomethane	0.141	0.151	-7.1	122	-0.01
6	T	Chloroethane	0.175	0.194	-10.9	99	0.00
7	T	Trichlorofluoromethane	0.586	0.515	12.1	97	-0.01
8	CMT	1,1-Dichloroethene	0.455	0.443	2.6	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.439	0.329	25.1#	76	-0.01
10	T	Carbon Disulfide	1.712	7.209	-321.1#	435#	-0.02
11	T	Acetone	0.122	0.082#	32.8#	66	0.01
12	t	tert-Butyl alcohol	0.238	0.259	-8.8	104	0.00
13	T	Methylene Chloride	0.794	0.702	11.6	104	-0.01
14	T	Methyl tert-Butyl ether	0.997	1.095	-9.8	106	0.01
15	T	trans-1,2-Dichloroethene	0.502	0.505	-0.6	100	0.00
16	T	Hexane	0.393	0.153	61.1#	36#	-0.01
17	t	Diisopropyl ether	1.411	1.504	-6.6	97	0.01
18	TP	1,1-Dichloroethane	0.842	0.887	-5.3	109	0.00
19	T	Vinyl Acetate	0.819	0.448	45.3#	51	0.00
20	t	Ethyl tert-butyl ether	0.493	0.535	-8.5	106	0.00
21	T	2,2-Dichloropropane	0.663	0.642	3.2	103	0.00
22	T	cis-1,2-Dichloroethene	0.544	0.545	-0.2	102	0.00
23	T	2-Butanone	0.012	0.010#	16.7	85	0.01
24	T	Bromochloromethane	0.353	0.389	-10.2	103	0.00
25	CT	Chloroform	0.533	0.546	-2.4	103	0.00
26	T	1,1,1-Trichloroethane	0.696	0.742	-6.6	111	0.00
27	T	Cyclohexane	0.925	0.837	9.5	94	0.00
28	S	Dibromofluoromethane(S)	0.471	0.452	4.0	97	0.00
29	T	Carbon Tetrachloride	0.586	0.609	-3.9	106	0.00
30	T	1,1-Dichloropropene	0.621	0.596	4.0	97	0.00
31	t	tert-Amyl methyl ether	0.994	1.090	-9.7	108	0.00
32	MT	Benzene	1.821	1.954	-7.3	108	0.00
33	T	1,2-Dichloroethane	0.540	0.580	-7.4	107	0.00
34	S	Fluorobenzene(S)	1.817	1.696	6.7	96	0.00
35	I	1,4-Difluorobenzene(I)	1.000	1.000	0.0	100	0.00
36	S	Trifluorotoluene(S)	0.520	1.110	-113.5#	201#	0.00
37	MT	Trichloroethene	0.346	0.354	-2.3	102	0.00
38	T	Methylcyclohexane	0.425	0.326	23.3#	74	-0.01
39	CT	1,2-Dichloropropane	0.304	0.314	-3.3	105	0.00
40	T	Dibromomethane	0.181	0.203	-12.2	108	0.00
41	T	Bromodichloromethane	0.354	0.383	-8.2	108	0.00
42	T	2-Chloroethyl Vinyl Ether	0.060	0.083#	-38.3#	118	0.04
43	T	cis-1,3-Dichloropropene	0.403	0.432	-7.2	113	-0.01
44	T	4-Methyl-2-pentanone	0.029	0.036#	-24.1#	123	0.00
45	S	Toluene-d8(S)	1.095	1.046	4.5	96	0.00
46	CMT	Toluene	1.267	1.314	-3.7	103	0.00
47	T	trans-1,3-Dichloropropene	0.334	0.325	2.7	101	0.00
48	T	1,1,2-Trichloroethane	0.227	0.239	-5.3	107	-0.01
49	T	Tetrachloroethene	0.280	0.260	7.1	94	0.00
50	T	1,3-Dichloropropane	0.359	0.407	-13.4	110	0.00
51	T	2-Hexanone	0.011	0.011#	0.0	97	0.00
52	T	Dibromochloromethane	0.227	0.232	-2.2	109	0.00
53	T	1,2-Dibromoethane	0.209	0.229	-9.6	105	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\DATA\11022004\AG19224.D
Acq On : 2 Nov 2004 5:59 pm
Sample : 4.0 ug/Kg ICV/bs voa1008
Misc : solid #5.000 12496110
MS Integration Params: RTEINT.P

Vial: 16
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
55	S	Ethylbenzene-d10(S)	7.329	7.074	3.5	99	0.01
56	MTP	Chlorobenzene	4.570	4.761	-4.2	102	0.01
57	T	1,1,1,2-Tetrachloroethane	1.477	1.531	-3.7	109	0.01
58	CT	Ethylbenzene	7.293	7.726	-5.9	103	0.01
59	T	m,p-Xylene	2.919	2.982	-2.2	100	0.01
60	T	o-Xylene	5.618	5.837	-3.9	104	0.01
61	T	Styrene	4.439	4.032	9.2	92	0.01
62	TP	Bromoform	0.707	0.713	-0.8	119	0.01
63	T	Isopropylbenzene	7.096	6.607	6.9	92	0.01
64	S	Bromofluorobenzene(S)	1.884	1.836	2.5	97	0.01
65	T	Bromobenzene	1.860	1.886	-1.4	106	0.01
66	TP	1,1,2,2-Tetrachloroethane	2.203	2.442	-10.8	111	0.01
67	T	1,2,3-Trichloropropane	0.400	0.437	-9.2	108	0.01
68	T	n-Propylbenzene	8.699	8.571	1.5	93	0.01
69	T	2-Chlorotoluene	1.855	1.796	3.2	97	0.01
70	T	4-Chlorotoluene	1.847	1.749	5.3	95	0.01
71	T	1,3,5-Trimethylbenzene	5.807	5.600	3.6	97	0.01
72	T	t-Butylbenzene	5.386	5.420	-0.6	103	0.01
73	T	1,2,4-Trimethylbenzene	5.900	5.927	-0.5	100	0.01
74	T	sec-Butylbenzene	7.488	7.666	-2.4	99	0.02
75	T	4-Isopropyltoluene	6.539	5.967	8.7	90	0.01
76	T	1,3-Dichlorobenzene	3.532	3.385	4.2	95	0.01
77	I	1,4-Dichlorobenzene-d4(I)	1.000	1.000	0.0	99	0.00
78	T	1,4-Dichlorobenzene	1.674	1.576	5.9	96	0.00
79	T	n-Butylbenzene	0.768	0.650	15.4	83	0.00
80	T	1,2-Dichlorobenzene	1.544	1.498	3.0	97	0.00
81	T	1,2-Dibromo-3-chloropropane	0.092	0.099#	-7.6	124	-0.01
82	T	1,3,5-Trichlorobenzene	1.309	0.993	24.1#	77	-0.01
83	T	1,2,4-Trichlorobenzene	1.142	1.000	12.4	89	0.00
84	T	Hexachlorobutadiene	0.753	0.654	13.1	88	0.00
85	T	Naphthalene	2.014	2.379	-18.1	122	0.00
86	T	1,2,3-Trichlorobenzene	1.085	1.022	5.8	98	0.00

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19225.D
Acq On : 2 Nov 2004 6:25 pm
Sample : 4.0 ug/Kg ICV/bsd voa1008
Misc : solid #5.000 12496110
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:22:12 2004

Vial: 16
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	922274	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1355314	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	258185	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	548454	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	409922	9.43	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 94.30%			
34) Fluorobenzene(S)	7.23	96	1593963	9.51	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 95.10%			
36) Trifluorotoluene(S)	7.96	146	1441094	20.43	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 102.15%			
45) Toluene-d8(S)	9.02	98	1436259	9.68	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 96.80%			
55) Ethylbenzene-d10(S)	10.74	98	1782345	9.42	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 94.20%			
64) Bromofluorobenzene(S)	12.09	174	463320	9.52	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 95.20%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	228852	4.58	ug/Kg	98
3) Chloromethane	1.87	50	225419	4.48	ug/Kg	95
4) Vinyl Chloride	2.00	62	144766	4.19	ug/Kg	98
5) Bromomethane	2.41	94	42760	3.79	ug/Kg	79
6) Chloroethane	2.56	64	73295	4.54	ug/Kg	98
7) Trichlorofluoromethane	2.90	101	203836	4.07	ug/Kg	90
8) 1,1-Dichloroethene	3.64	96	172630	4.12	ug/Kg	98
9) 1,1,2-Trichlorotrifluoroet	3.65	151	152856	3.78	ug/Kg	86
10) Carbon Disulfide	3.91	76	2774076	17.57	ug/Kg	99
11) Acetone	3.73	43	138017	14.57	ug/Kg	98
12) tert-Butyl alcohol	5.72	59	462522	21.05	ug/Kg	97
13) Methylene Chloride	4.31	49	253520	4.10	ug/Kg	97
14) Methyl tert-Butyl ether	4.66	73	392431	4.27	ug/Kg	95
15) trans-1,2-Dichloroethene	4.66	96	197238	4.26	ug/Kg	98
16) Hexane	5.00	56	95611	2.70	ug/Kg	97
17) Diisopropyl ether	5.28	45	562703	4.32	ug/Kg	98
18) 1,1-Dichloroethane	5.20	63	330287	4.25	ug/Kg	99
19) Vinyl Acetate	5.27	43	870806	11.53	ug/Kg#	97
20) Ethyl tert-butyl ether	5.72	87	193560	4.26	ug/Kg	90
21) 2,2-Dichloropropane	5.88	77	232312	3.80	ug/Kg	99
22) cis-1,2-Dichloroethene	5.91	96	208456	4.16	ug/Kg	93
23) 2-Butanone	5.92	57	18257	17.73	ug/Kg#	89
24) Bromochloromethane	6.19	49	143760	4.42	ug/Kg	91
25) Chloroform	6.30	85	209024	4.25	ug/Kg	98
26) 1,1,1-Trichloroethane	6.48	97	269900	4.20	ug/Kg	91
27) Cyclohexane	6.54	56	337616	3.96	ug/Kg	98
29) Carbon Tetrachloride	6.67	119	224394	4.15	ug/Kg	98
30) 1,1-Dichloropropene	6.67	75	236649	4.13	ug/Kg	97
31) tert-Amyl methyl ether	7.02	73	400798	4.37	ug/Kg	96
32) Benzene	6.91	78	741041	4.41	ug/Kg	98
33) 1,2-Dichloroethane	6.94	62	209232	4.20	ug/Kg	91
37) Trichloroethene	7.65	130	209674	4.48	ug/Kg	95
38) Methylcyclohexane	7.84	55	230394	4.00	ug/Kg	98
39) 1,2-Dichloropropane	7.89	63	180593	4.39	ug/Kg	94
40) Dibromomethane	8.05	174	106135	4.32	ug/Kg	97
41) Bromodichloromethane	8.23	83	209444	4.36	ug/Kg	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19225.D
Acq On : 2 Nov 2004 6:25 pm
Sample : 4.0 ug/Kg ICV/bsd voa1008
Misc : solid #5.000 12496110
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:22:12 2004

Vial: 16
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	198292	24.22	ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	237394	4.35	ug/Kg	98
44)	4-Methyl-2-pentanone	8.87	85	85126	21.86	ug/Kg	91
46)	Toluene	9.09	91	752691	4.38	ug/Kg	98
47)	trans-1,3-Dichloropropene	9.35	75	185655	4.11	ug/Kg	93
48)	1,1,2-Trichloroethane	9.57	97	139034	4.52	ug/Kg	90
49)	Tetrachloroethene	9.73	164	167574	4.41	ug/Kg	94
50)	1,3-Dichloropropane	9.75	76	221940	4.56	ug/Kg	94
51)	2-Hexanone	9.83	85	27151	18.74	ug/Kg#	92
52)	Dibromochloromethane	10.03	129	126109	4.10	ug/Kg	98
53)	1,2-Dibromoethane	10.15	107	128069	4.53	ug/Kg	99
56)	Chlorobenzene	10.72	112	498664	4.23	ug/Kg	94
57)	1,1,1,2-Tetrachloroethane	10.82	131	157790	4.14	ug/Kg	94
58)	Ethylbenzene	10.83	91	815871	4.33	ug/Kg	100
59)	m,p-Xylene	10.97	106	641027	8.51	ug/Kg	98
60)	o-Xylene	11.45	91	608841	4.20	ug/Kg	97
61)	Styrene	11.47	104	421092	3.67	ug/Kg	89
62)	Bromoform	11.71	173	67723	3.71	ug/Kg	99
63)	Isopropylbenzene	11.88	105	689167	3.76	ug/Kg	96
65)	Bromobenzene	12.27	156	201417	4.19	ug/Kg#	78
66)	1,1,2,2-Tetrachloroethane	12.26	83	229962+	4.04	ug/Kg	98
67)	1,2,3-Trichloropropane	12.32	110	42168	4.43	ug/Kg	97
68)	n-Propylbenzene	12.38	91	960475	4.28	ug/Kg	99
69)	2-Chlorotoluene	12.50	126	200920	4.20	ug/Kg	94
70)	4-Chlorotoluene	12.62	126	192419	4.04	ug/Kg#	81
71)	1,3,5-Trimethylbenzene	12.58	105	635362	4.24	ug/Kg	100
72)	t-Butylbenzene	12.98	119	574949	4.13	ug/Kg	96
73)	1,2,4-Trimethylbenzene	13.04	105	661754	4.34	ug/Kg	98
74)	sec-Butylbenzene	13.25	105	864524	4.47	ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	687001	4.07	ug/Kg	98
76)	1,3-Dichlorobenzene	13.40	146	383855	4.21	ug/Kg	99
78)	1,4-Dichlorobenzene	13.51	146	375488	4.09	ug/Kg	96
79)	n-Butylbenzene	13.92	134	177441	4.21	ug/Kg	97
80)	1,2-Dichlorobenzene	13.97	146	346108	4.09	ug/Kg	97
81)	1,2-Dibromo-3-chloropropan	14.93	75	20816	4.14	ug/Kg	89
82)	1,3,5-Trichlorobenzene	15.18	180	279715	3.89	ug/Kg	100
83)	1,2,4-Trichlorobenzene	15.95	180	257180	4.11	ug/Kg	93
84)	Hexachlorobutadiene	16.15	225	167108	4.26	ug/Kg	89
85)	Naphthalene	16.26	128	505576	4.58	ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	237700	4.00	ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

STL-Seattle

Instrument:	ITS-40/HP5973N
Method:	5035/8260b
Matrix:	solid
Analyst:	frz/st
Date Prepared:	3/24/2003
Date Analyzed:	
Units:	ug/Kg

its_40_h
5035_826
solid
frz_st
0
its_40_h.xls
e:\md\solid\5035_826

5ml spike factor = 2

Parameter Name	Spiked Amt.	Data stdev	Data ave %R	Mean of Spk Amount	+ 3 Sigma UAL	+ 2 Sigma UWL	- 2 Sigma LWL	- 3 Sigma LAL	Percent Recovery xxxxxx	RESULTS fail	Datafile ag19225 xxxxxx
Dichlorodifluoromethane	4	0.86	85.69	3.43	149.91	128.50	42.88	21.48	114.41	pass	4.5763
Chloromethane	4	0.62	101.15	4.05	147.51	132.06	70.25	54.80	111.91	pass	4.4763
Vinyl chloride	4	0.56	96.87	3.87	138.75	124.79	68.96	55.00	104.81	pass	4.1925
Bromomethane @	4	1.05	98.11	3.92	176.77	150.55	45.67	19.45	94.71	pass	3.7884
Chloroethane	4	0.41	92.39	3.70	123.05	112.83	71.95	61.73	113.61	pass	4.5444
Trichlorofluoromethane	4	0.48	87.08	3.48	123.20	111.16	62.99	50.95	101.76	pass	4.0703
1,1-Dichloroethene	4	0.46	98.17	3.93	132.93	121.34	75.00	63.42	102.92	pass	4.1167
1,1,2-Trichlorotrifluoroethane	4	0.40	92.38	3.70	122.62	112.54	72.23	62.15	94.45	pass	3.778
Acrolein @	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Carbon disulfide	20	2.09	80.61	16.12	111.98	101.52	59.70	49.24	87.86	pass	17.5727
Acetone @	20	10.21	65.66	13.13	218.87	167.80	-36.48	-87.55	72.87	pass	14.5739
Iodomethane	20	2.64	53.42	10.68	93.01	79.82	27.03	13.84	0.00	fail	
Methylene chloride	4	1.33	101.48	4.06	201.54	168.19	34.78	1.42	102.48	pass	4.0992
Methyl tert-butyl ether	4	0.60	124.88	5.00	169.52	154.64	95.11	80.23	106.68	pass	4.2672
trans-1,2-Dichloroethene	4	0.42	97.33	3.89	128.74	118.27	76.40	65.93	106.61	pass	4.2643
Acrylonitrile	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Hexane	4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	67.46	#DIV/0!	2.6984
1,1-Dichloroethane	4	0.42	98.61	3.94	130.09	119.60	77.61	67.12	106.28	pass	4.251
Vinyl acetate	20	9.98	73.92	14.78	223.63	173.72	-25.89	-75.79	57.63	pass	11.5255
2,2-Dichloropropane	4	0.43	101.90	4.08	134.21	123.44	80.36	69.58	95.01	pass	3.8004
2-Butanone	20	4.37	66.95	13.39	132.57	110.70	23.21	1.33	88.67	pass	17.7337
cis-1,2-Dichloroethene	4	0.40	97.62	3.90	127.37	117.45	77.78	67.86	103.95	pass	4.1578
Tetrahydrofuran	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Bromochloromethane	4	0.53	109.13	4.37	148.51	135.38	82.88	69.75	110.50	pass	4.4201
Methacrylonitrile	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Chloroform	4	0.40	97.01	3.88	126.92	116.95	77.08	67.11	106.30	pass	4.252
1,1,1-Trichloroethane	4	0.43	99.62	3.98	131.88	121.13	78.10	67.35	105.09	pass	4.2034
Carbon Tetrachloride	4	0.44	97.62	3.90	130.42	119.48	75.75	64.82	103.71	pass	4.1485
1,1-Dichloropropene	4	0.38	95.73	3.83	123.97	114.56	76.91	67.49	103.32	pass	4.1327
Benzene	4	0.36	99.70	3.99	126.57	117.61	81.79	72.84	110.28	pass	4.4113
1,2-Dichloroethane	4	0.41	99.68	3.99	130.14	119.99	79.38	69.22	104.94	pass	4.1974
Trichloroethene	4	0.48	100.30	4.01	136.12	124.18	76.42	64.48	111.88	pass	4.4753
1,2-Dichloropropane	4	0.65	105.93	4.24	154.86	138.55	73.30	56.99	109.72	pass	4.3888
1,4-Dioxane @	40	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Dibromomethane	4	0.33	103.73	4.15	128.45	120.21	87.25	79.01	107.95	pass	4.3181
Bromodichloromethane	4	0.36	103.06	4.12	129.88	120.94	85.18	76.24	109.01	pass	4.3605
2-Chloroethyl vinyl ether @	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	121.12	#DIV/0!	24.2233
cis-1,3-Dichloropropene	4	0.26	97.91	3.92	117.62	111.05	84.77	78.20	108.65	pass	4.346
4-Methyl-2-pentanone	20	4.21	100.78	20.16	164.00	142.92	58.64	37.57	109.32	pass	21.8632
Toluene	4	0.34	99.37	3.97	125.18	116.58	82.17	73.57	109.60	pass	4.384
trans-1,3-Dichloropropene	4	0.27	92.45	3.70	112.65	105.92	78.98	72.25	102.64	pass	4.1056
1,1,2-Trichloroethane	4	0.32	101.17	4.05	125.22	117.20	85.14	77.12	113.12	pass	4.5248
Tetrachloroethene	4	0.36	97.08	3.88	123.95	115.00	79.17	70.21	110.30	pass	4.412
1,3-Dichloropropane	4	0.33	101.84	4.07	126.76	118.45	85.22	76.92	114.03	pass	4.5612
2-Hexanone	20	5.06	79.29	15.86	155.15	129.87	28.71	3.43	93.72	pass	18.7444
Dibromochloromethane	4	0.34	94.50	3.78	120.10	111.57	77.43	68.89	102.49	pass	4.0995
1,2-Dibromoethane	4	0.38	102.98	4.12	131.28	121.84	84.12	74.68	113.19	pass	4.5277
Chlorobenzene	4	0.31	101.16	4.05	124.21	116.53	85.80	78.11	105.66	pass	4.2264
Ethylbenzene	4	0.36	101.80	4.07	128.93	119.88	83.71	74.66	108.33	pass	4.3331
1,1,1,2-Tetrachloroethane	4	0.27	101.10	4.04	121.06	114.41	87.79	81.13	103.43	pass	4.1373
m,p-Xylene	8	0.79	99.92	7.99	129.38	119.56	80.27	70.45	106.34	pass	8.507
o-Xylene	4	0.35	100.55	4.02	126.63	117.94	83.16	74.46	104.94	pass	4.1976
Styrene	4	0.47	97.43	3.90	132.92	121.09	73.77	61.94	91.85	pass	3.6739
Bromoform	4	0.35	99.62	3.98	126.03	117.23	82.02	73.22	92.73	pass	3.709
Isopropylbenzene	4	0.38	92.78	3.71	121.54	111.95	73.60	64.01	94.04	pass	3.7617
cis-1,4-Dichloro-2-butene	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
Bromobenzene	4	0.36	101.09	4.04	127.75	118.86	83.33	74.44	104.87	pass	4.1949
n-Propylbenzene	4	0.43	100.48	4.02	132.50	121.83	79.13	68.45	106.92	pass	4.2767
1,1,2,2-Tetrachloroethane	4	0.78	105.39	4.22	163.52	144.15	66.63	47.25	101.06	pass	4.0423
trans-1,4-Dichloro-2-butene	20	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.00	#DIV/0!	
1,2,3-Trichloropropane	4	0.69	107.32	4.29	159.35	142.01	72.63	55.28	110.80	pass	4.4321
2-Chlorotoluene	4	0.39	100.76	4.03	130.15	120.35	81.17	71.37	104.88	pass	4.1951

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STL-Seattle

1,3,5-Trimethylbenzene	4	0.45	98.89	3.96	132.30	121.16	76.62	65.48	105.95	pass	4.2381
4-Chlorotoluene	4	0.47	97.91	3.92	133.37	121.55	74.28	62.46	100.90	pass	4.0359
t-Butylbenzene	4	0.41	98.31	3.93	128.97	118.75	77.87	67.65	103.36	pass	4.1343
1,2,4-Trimethylbenzene	4	0.48	103.52	4.14	139.67	127.62	79.43	67.38	108.61	pass	4.3445
sec-Butylbenzene	4	0.51	102.07	4.08	140.36	127.60	76.55	63.79	111.80	pass	4.472
1,3-Dichlorobenzene	4	0.49	98.68	3.95	135.27	123.08	74.28	62.09	105.23	pass	4.2093
4-Isopropyltoluene	4	0.51	94.19	3.77	132.22	119.54	68.83	56.15	101.73	pass	4.0691
1,4-Dichlorobenzene	4	0.47	101.48	4.06	136.65	124.92	78.03	66.31	102.24	pass	4.0894
Benzyl chloride	4	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	105.28	#DIV/0!	4.2111
n-Butylbenzene	4	0.58	97.52	3.90	141.21	126.65	68.39	53.82	102.17	pass	4.0868
1,2-Dichlorobenzene	4	0.38	99.81	3.99	128.35	118.83	80.79	71.28	103.52	pass	4.1408
1,2-Dibromo-3-chloropropane	4	0.88	105.17	4.21	171.19	149.19	61.16	39.15	97.37	pass	3.8948
1,3,5-Trichlorobenzene	4	0.73	103.78	4.15	158.81	140.47	67.09	48.74	102.65	pass	4.1061
1,2,4-Trichlorobenzene	4	0.59	101.18	4.05	145.79	130.92	71.45	56.58	99.90	pass	3.9958
Hexachlorobutadiene	4	0.57	99.79	3.99	142.62	128.34	71.25	56.97	106.55	pass	4.2618
Naphthalene	4	0.63	111.60	4.46	158.56	142.91	80.28	64.63	114.43	pass	4.5771
1,2,3-Trichlorobenzene	4	0.47	102.60	4.10	137.98	126.19	79.02	67.22	98.99	pass	3.9596

1/17/2011

00439

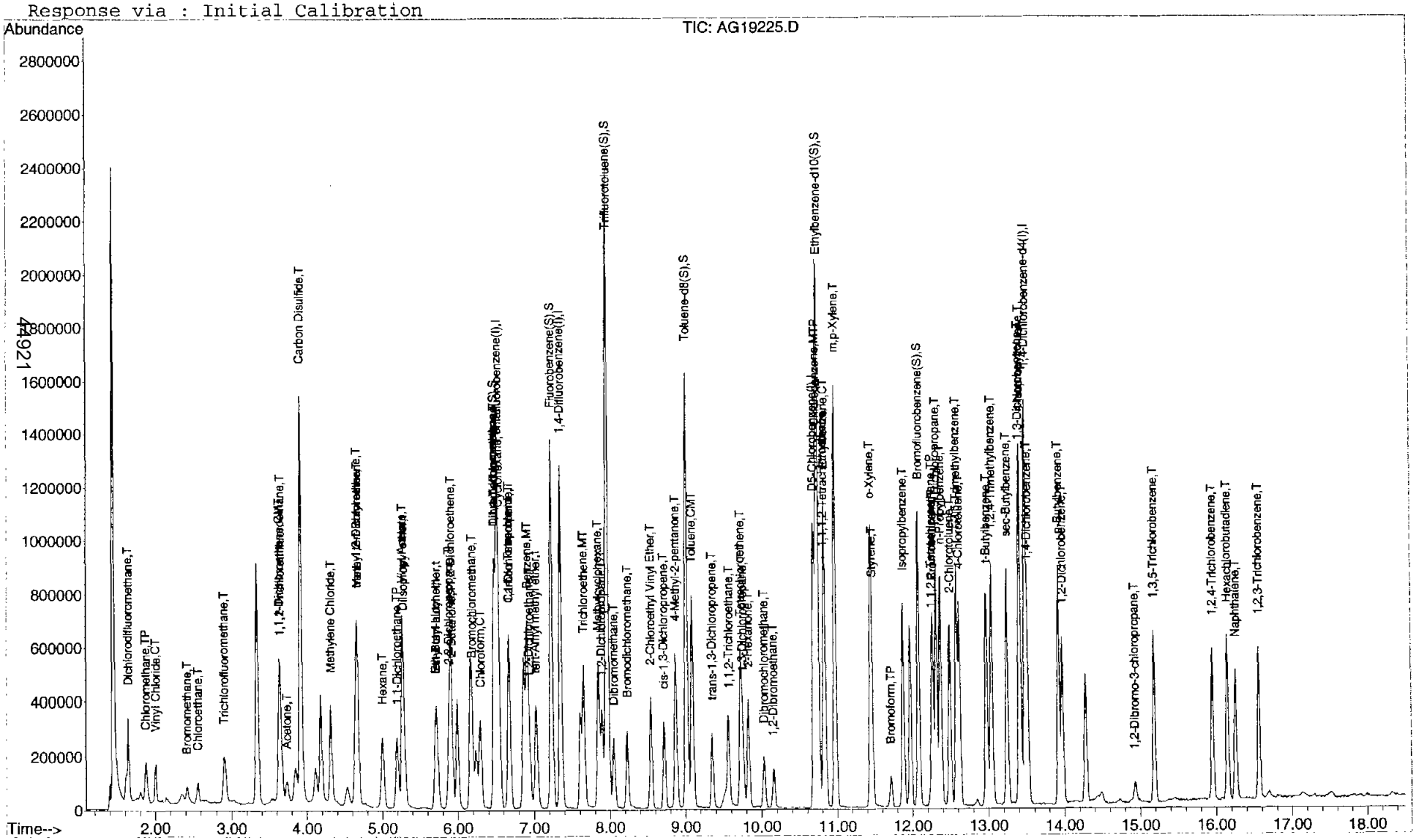
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19225.D
Acq On : 2 Nov 2004 6:25 pm
Sample : 4.0 ug/Kg ICV/bsd voa1008
Misc : solid #5.000 12496110
MS Integration Params: RTEINT.P
Quant Time: Nov 5 16:22 2004

Vial: 16
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : E:\DATA\11022004\AG19225.D Vial: 16
Acq On : 2 Nov 2004 6:25 pm Operator: frz
Sample : 4.0 ug/Kg ICV/bsd voa1008 Inst : VOAInst#3
Misc : solid #5.000 12496110 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene(I)	1.000	1.000	0.0	100	0.01
2	T	Dichlorodifluoromethane	0.542	0.620	-14.4	116	0.00
3	TP	Chloromethane	0.643	0.611	5.0	105	0.00
4	CT	Vinyl Chloride	0.374	0.392	-4.8	102	0.00
5	T	Bromomethane	0.141	0.116	17.7	93	-0.01
6	T	Chloroethane	0.175	0.199	-13.7	101	0.00
7	T	Trichlorofluoromethane	0.586	0.553	5.6	103	-0.01
8	CMT	1,1-Dichloroethene	0.455	0.468	-2.9	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.439	0.414	5.7	95	-0.01
10	T	Carbon Disulfide	1.712	7.520	-339.3#	450#	-0.02
11	T	Acetone	0.122	0.075#	38.5#	60	0.01
12	t	tert-Butyl alcohol	0.238	0.251	-5.5	100	0.00
13	T	Methylene Chloride	0.794	0.687	13.5	101	-0.01
14	T	Methyl tert-Butyl ether	0.997	1.064	-6.7	102	0.01
15	T	trans-1,2-Dichloroethene	0.502	0.535	-6.6	105	0.00
16	T	Hexane	0.393	0.259	34.1#	60	0.00
17	t	Diisopropyl ether	1.411	1.525	-8.1	97	0.01
18	TP	1,1-Dichloroethane	0.842	0.895	-6.3	109	0.00
19	T	Vinyl Acetate	0.819	0.472	42.4#	53	0.00
20	t	Ethyl tert-butyl ether	0.493	0.525	-6.5	103	0.00
21	T	2,2-Dichloropropane	0.663	0.630	5.0	100	0.00
22	T	cis-1,2-Dichloroethene	0.544	0.565	-3.9	105	0.00
23	T	2-Butanone	0.012	0.010#	16.7	80	0.01
24	T	Bromochloromethane	0.353	0.390	-10.5	103	0.00
25	CT	Chloroform	0.533	0.567	-6.4	106	0.00
26	T	1,1,1-Trichloroethane	0.696	0.732	-5.2	108	0.00
27	T	Cyclohexane	0.925	0.915	1.1	102	0.00
28	S	Dibromofluoromethane(S)	0.471	0.444	5.7	94	0.00
29	T	Carbon Tetrachloride	0.586	0.608	-3.8	105	0.00
30	T	1,1-Dichloropropene	0.621	0.641	-3.2	104	0.00
31	t	tert-Amyl methyl ether	0.994	1.086	-9.3	106	0.00
32	MT	Benzene	1.821	2.009	-10.3	110	0.00
33	T	1,2-Dichloroethane	0.540	0.567	-5.0	104	0.00
34	S	Fluorobenzene(S)	1.817	1.728	4.9	97	0.00
35	I	1,4-Difluorobenzene(I)	1.000	1.000	0.0	98	0.00
36	S	Trifluorotoluene(S)	0.520	1.063	-104.4#	188	0.00
37	MT	Trichloroethene	0.346	0.387	-11.8	109	0.00
38	T	Methylcyclohexane	0.425	0.425	0.0	94	-0.01
39	CT	1,2-Dichloropropane	0.304	0.333	-9.5	108	0.00
40	T	Dibromomethane	0.181	0.196	-8.3	102	0.00
41	T	Bromodichloromethane	0.354	0.386	-9.0	106	0.00
42	T	2-Chloroethyl Vinyl Ether	0.060	0.073#	-21.7#	102	0.04
43	T	cis-1,3-Dichloropropene	0.403	0.438	-8.7	111	-0.01
44	T	4-Methyl-2-pentanone	0.029	0.031#	-6.9	106	0.00
45	S	Toluene-d8(S)	1.095	1.060	3.2	95	0.00
46	CMT	Toluene	1.267	1.388	-9.6	106	0.00
47	T	trans-1,3-Dichloropropene	0.334	0.342	-2.4	104	0.00
48	T	1,1,2-Trichloroethane	0.227	0.256	-12.8	112	0.00
49	T	Tetrachloroethene	0.280	0.309	-10.4	109	0.00
50	T	1,3-Dichloropropane	0.359	0.409	-13.9	108	0.00
51	T	2-Hexanone	0.011	0.010#	9.1	84	0.00
52	T	Dibromochloromethane	0.227	0.233	-2.6	106	0.00
53	T	1,2-Dibromoethane	0.209	0.236	-12.9	105	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\DATA\11022004\AG19225.D Vial: 16
Acq On : 2 Nov 2004 6:25 pm Operator: frz
Sample : 4.0 ug/Kg ICV/bsd voa1008 Inst : VOAInst#3
Misc : solid #5.000 12496110 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
55	S	Ethylbenzene-d10(S)	7.329	6.903	5.8	98	0.01
56	MTP	Chlorobenzene	4.570	4.829	-5.7	105	0.01
57	T	1,1,1,2-Tetrachloroethane	1.477	1.528	-3.5	110	0.01
58	CT	Ethylbenzene	7.293	7.900	-8.3	106	0.01
59	T	m,p-Xylene	2.919	3.104	-6.3	106	0.01
60	T	o-Xylene	5.618	5.895	-4.9	107	0.01
61	T	Styrene	4.439	4.077	8.2	94	0.01
62	TP	Bromoform	0.707	0.656	7.2	111	0.01
63	T	Isopropylbenzene	7.096	6.673	6.0	94	0.01
64	S	Bromofluorobenzene(S)	1.884	1.795	4.7	96	0.01
65	T	Bromobenzene	1.860	1.950	-4.8	111	0.01
66	TP	1,1,2,2-Tetrachloroethane	2.203	2.227	-1.1	103	0.00
67	T	1,2,3-Trichloropropane	0.400	0.408	-2.0	102	0.01
68	T	n-Propylbenzene	8.699	9.300	-6.9	102	0.01
69	T	2-Chlorotoluene	1.855	1.946	-4.9	107	0.01
70	T	4-Chlorotoluene	1.847	1.863	-0.9	103	0.01
71	T	1,3,5-Trimethylbenzene	5.807	6.152	-5.9	108	0.01
72	T	t-Butylbenzene	5.386	5.567	-3.4	107	0.01
73	T	1,2,4-Trimethylbenzene	5.900	6.408	-8.6	109	0.01
74	T	sec-Butylbenzene	7.488	8.371	-11.8	110	0.02
75	T	4-Isopropyltoluene	6.539	6.652	-1.7	101	0.02
76	T	1,3-Dichlorobenzene	3.532	3.717	-5.2	105	0.02
77	I	1,4-Dichlorobenzene-d4(I)	1.000	1.000	0.0	99	0.00
78	T	1,4-Dichlorobenzene	1.674	1.712	-2.3	105	0.00
79	T	n-Butylbenzene	0.768	0.809	-5.3	104	0.00
80	T	1,2-Dichlorobenzene	1.544	1.578	-2.2	103	0.00
81	T	1,2-Dibromo-3-chloropropane	0.092	0.095#	-3.3	119	-0.01
82	T	1,3,5-Trichlorobenzene	1.309	1.275	2.6	100	-0.01
83	T	1,2,4-Trichlorobenzene	1.142	1.172	-2.6	105	0.00
84	T	Hexachlorobutadiene	0.753	0.762	-1.2	103	0.00
85	T	Naphthalene	2.014	2.305	-14.4	119	0.00
86	T	1,2,3-Trichlorobenzene	1.085	1.084	0.1	104	0.00

Evaluate Continuing Calibration Report

Data File : E:\DATA\11022004\AG19225.D Vial: 16
Acq On : 2 Nov 2004 6:25 pm Operator: frz
Sample : 4.0 ug/Kg ICV/bsd voa1008 Inst : VOAInst#3
Misc : solid #5.000 12496110 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene(I)	10.000	10.000	0.0	100	0.01
2	T	Dichlorodifluoromethane	4.000	4.576	-14.4	116	0.00
3	TP	Chloromethane	4.000	4.476	-11.9	105	0.00
4	CT	Vinyl Chloride	4.000	4.193	-4.8	102	0.00
5	T	Bromomethane	4.000	3.788	5.3	93	-0.01
6	T	Chloroethane	4.000	4.544	-13.6	101	0.00
7	T	Trichlorofluoromethane	4.000	4.070	-1.8	103	-0.01
8	CMT	1,1-Dichloroethene	4.000	4.117	-2.9	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	4.000	3.778	5.5	95	-0.01
10	T	Carbon Disulfide	4.000	17.573	-339.3#	450	-0.02
11	T	Acetone	20.000	14.574	27.1#	60	0.01
12	t	tert-Butyl alcohol	20.000	21.051	-5.3	100	0.00
13	T	Methylene Chloride	4.000	4.099	-2.5	101	-0.01
14	T	Methyl tert-Butyl ether	4.000	4.267	-6.7	102	0.01
15	T	trans-1,2-Dichloroethene	4.000	4.264	-6.6	105	0.00
16	T	Hexane	4.000	2.698	32.6#	60	0.00
17	t	Diisopropyl ether	4.000	4.324	-8.1	97	0.01
18	TP	1,1-Dichloroethane	4.000	4.251	-6.3	109	0.00
19	T	Vinyl Acetate	20.000	11.526	42.4#	53	0.00
20	t	Ethyl tert-butyl ether	4.000	4.257	-6.4	103	0.00
21	T	2,2-Dichloropropane	4.000	3.800	5.0	100	0.00
22	T	cis-1,2-Dichloroethene	4.000	4.158	-4.0	105	0.00
23	T	2-Butanone	20.000	17.734	11.3	80	0.01
24	T	Bromochloromethane	4.000	4.420	-10.5	103	0.00
25	CT	Chloroform	4.000	4.252	-6.3	106	0.00
26	T	1,1,1-Trichloroethane	4.000	4.203	-5.1	108	0.00
27	T	Cyclohexane	4.000	3.960	1.0	102	0.00
28	S	Dibromofluoromethane(S)	10.000	9.428	5.7	94	0.00
29	T	Carbon Tetrachloride	4.000	4.148	-3.7	105	0.00
30	T	1,1-Dichloropropene	4.000	4.133	-3.3	104	0.00
31	t	tert-Amyl methyl ether	4.000	4.371	-9.3	106	0.00
32	MT	Benzene	4.000	4.411	-10.3	110	0.00
33	T	1,2-Dichloroethane	4.000	4.197	-4.9	104	0.00
34	S	Fluorobenzene(S)	10.000	9.512	4.9	97	0.00
35	I	1,4-Difluorobenzene(I)	10.000	10.000	0.0	98	0.00
36	S	Trifluorotoluene(S)	10.000	20.430	-104.3#	188	0.00
37	MT	Trichloroethene	4.000	4.475	-11.9	109	0.00
38	T	Methylcyclohexane	4.000	4.001	-0.0	94	-0.01
39	CT	1,2-Dichloropropane	4.000	4.389	-9.7	108	0.00
40	T	Dibromomethane	4.000	4.318	-7.9	102	0.00
41	T	Bromodichloromethane	4.000	4.360	-9.0	106	0.00
42	T	2-Chloroethyl Vinyl Ether	20.000	24.223	-21.1#	102	0.04
43	T	cis-1,3-Dichloropropene	4.000	4.346	-8.7	111	-0.01
44	T	4-Methyl-2-pentanone	20.000	21.863	-9.3	106	0.00
45	S	Toluene-d8(S)	10.000	9.679	3.2	95	0.00
46	CMT	Toluene	4.000	4.384	-9.6	106	0.00
47	T	trans-1,3-Dichloropropene	4.000	4.106	-2.6	104	0.00
48	T	1,1,2-Trichloroethane	4.000	4.525	-13.1	112	0.00
49	T	Tetrachloroethene	4.000	4.412	-10.3	109	0.00
50	T	1,3-Dichloropropane	4.000	4.561	-14.0	108	0.00
51	T	2-Hexanone	20.000	18.744	6.3	84	0.00
52	T	Dibromochloromethane	4.000	4.099	-2.5	106	0.00
53	T	1,2-Dibromoethane	4.000	4.528	-13.2	105	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\DATA\11022004\AG19225.D Vial: 16
Acq On : 2 Nov 2004 6:25 pm Operator: frz
Sample : 4.0 ug/Kg ICV/bsd voa1008 Inst : VOAInst#3
Misc : solid #5.000 12496110 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
55	S	Ethylbenzene-d10(S)	10.000	9.419	5.8	98	0.01
56	MTP	Chlorobenzene	4.000	4.226	-5.6	105	0.01
57	T	1,1,1,2-Tetrachloroethane	4.000	4.137	-3.4	110	0.01
58	CT	Ethylbenzene	4.000	4.333	-8.3	106	0.01
59	T	m,p-Xylene	8.000	8.507	-6.3	106	0.01
60	T	o-Xylene	4.000	4.198	-5.0	107	0.01
61	T	Styrene	4.000	3.674	8.2	94	0.01
62	TP	Bromoform	4.000	3.709	7.3	111	0.01
63	T	Isopropylbenzene	4.000	3.762	5.9	94	0.01
64	S	Bromofluorobenzene(S)	10.000	9.523	4.8	96	0.01
65	T	Bromobenzene	4.000	4.195	-4.9	111	0.01
66	TP	1,1,2,2-Tetrachloroethane	4.000	4.042	-1.0	103	0.00
67	T	1,2,3-Trichloropropane	4.000	4.432	-10.8	102	0.01
68	T	n-Propylbenzene	4.000	4.277	-6.9	102	0.01
69	T	2-Chlorotoluene	4.000	4.195	-4.9	107	0.01
70	T	4-Chlorotoluene	4.000	4.036	-0.9	103	0.01
71	T	1,3,5-Trimethylbenzene	4.000	4.238	-6.0	108	0.01
72	T	t-Butylbenzene	4.000	4.134	-3.4	107	0.01
73	T	1,2,4-Trimethylbenzene	4.000	4.345	-8.6	109	0.01
74	T	sec-Butylbenzene	4.000	4.472	-11.8	110	0.02
75	T	4-Isopropyltoluene	4.000	4.069	-1.7	101	0.02
76	T	1,3-Dichlorobenzene	4.000	4.209	-5.2	105	0.02
77	I	1,4-Dichlorobenzene-d4(I)	10.000	10.000	0.0	99	0.00
78	T	1,4-Dichlorobenzene	4.000	4.089	-2.2	105	0.00
79	T	n-Butylbenzene	4.000	4.211	-5.3	104	0.00
80	T	1,2-Dichlorobenzene	4.000	4.087	-2.2	103	0.00
81	T	1,2-Dibromo-3-chloropropane	4.000	4.141	-3.5	119	-0.01
82	T	1,3,5-Trichlorobenzene	4.000	3.895	2.6	100	-0.01
83	T	1,2,4-Trichlorobenzene	4.000	4.106	-2.6	105	0.00
84	T	Hexachlorobutadiene	4.000	4.262	-6.5	103	0.00
85	T	Naphthalene	4.000	4.577	-14.4	119	0.00
86	T	1,2,3-Trichlorobenzene	4.000	3.996	0.1	104	0.00

CONTINUING CALIBRATION

Sequence Log

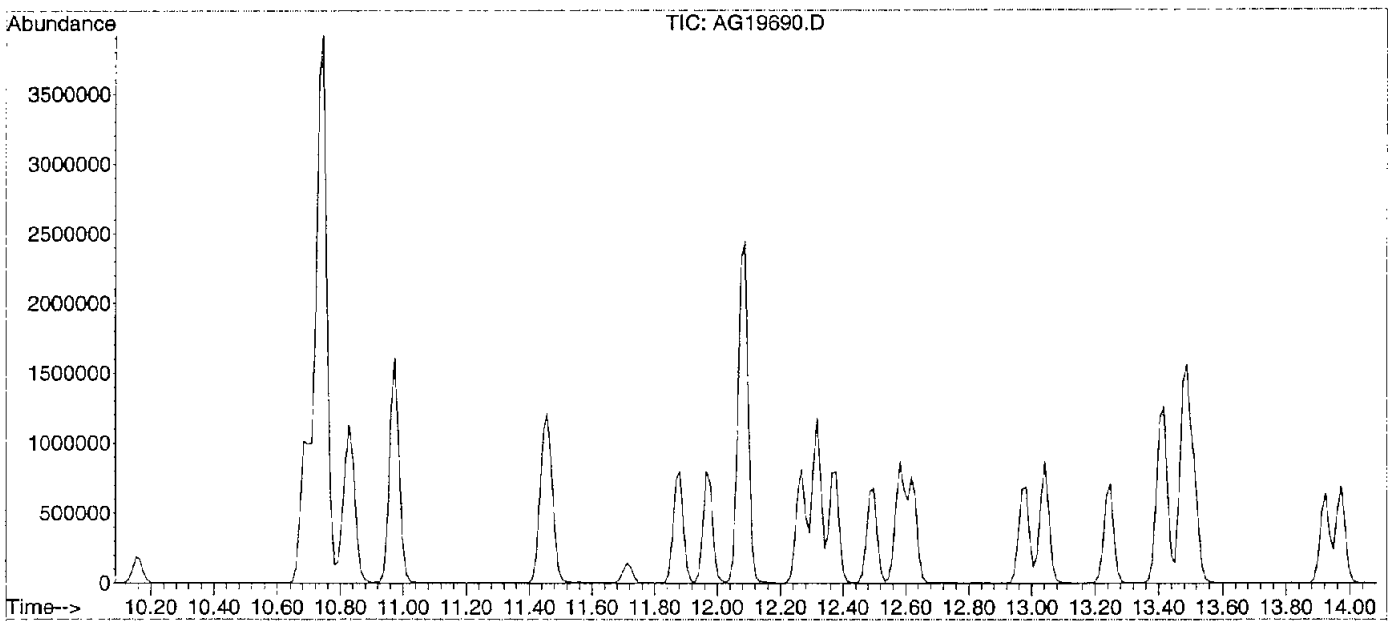
Directory : g:\DATA\12012004

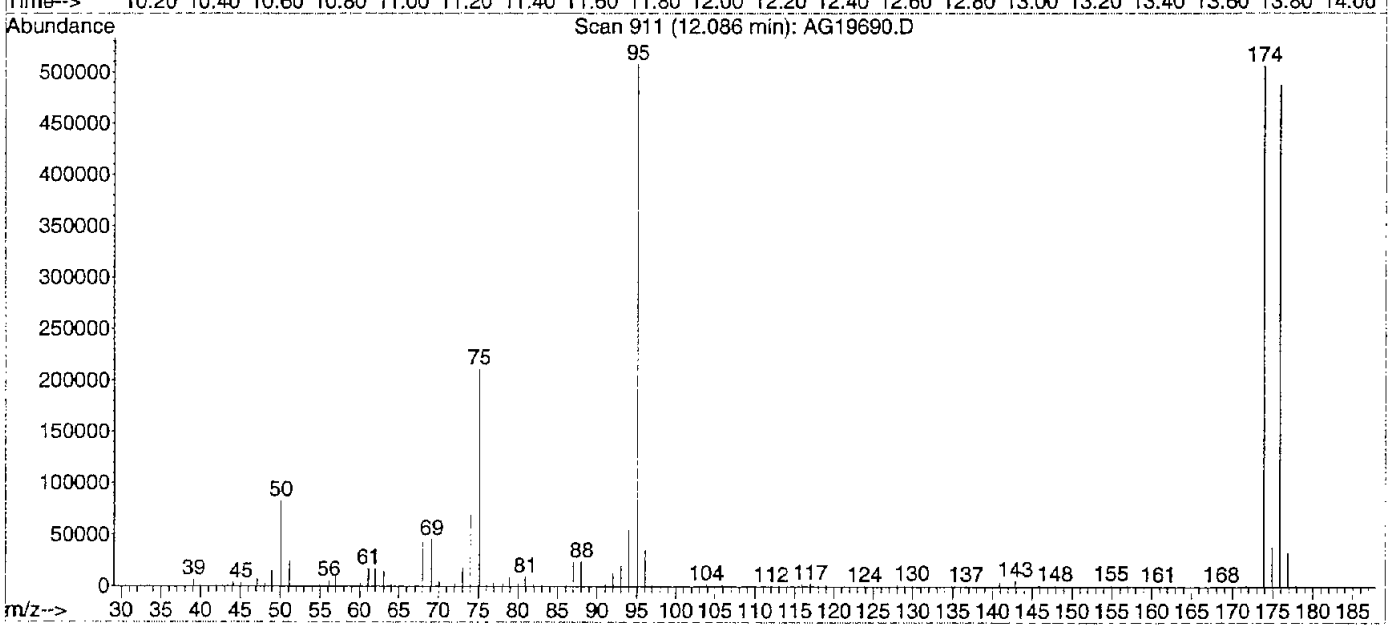
	Filename	Sample Name	Date/Time
	ag19672.d	5.0 ug/L 8260 ccal	12/01/04 12:06
	ag19673.d	5.0 ug/L LCS/BS voa1053	12/01/04 12:32
	ag19675.d	MB voa1053	12/01/04 13:24
	ag19676.d	124930-1 1:500 voa1053	12/01/04 15:06
	ag19677.d	124930-2 1:500 voa1053	12/01/04 15:32
	ag19678.d	124930-3 1:500 voa1053	12/01/04 15:58
	ag19679.d	124958-10 1:500 voa1053	12/01/04 16:24
	ag19680.d	124958-11 1:500 voa1053	12/01/04 16:50
	ag19681.d	124958-12 1:500 voa1053	12/01/04 17:16
0	ag19682.d	124958-13 1:500 voa1053	12/01/04 17:42
1	ag19683.d	124958-14 1:500 voa1053	12/01/04 18:08
2	ag19684.d	124958-15 1:500 voa1053	12/01/04 18:34
3	ag19685.d	124958-16 1:500 voa1053	12/01/04 19:00
4	ag19686.d	125032-42 1:500 voa1053	12/01/04 19:26
5	ag19687.d	125032-42 dup 1:500 voa1053	12/01/04 19:52
6	ag19688.d	125032-42 MS 1:500 voa1053	12/01/04 20:18
7	ag19690.d	5.0 ug/L 8260 ccal	12/01/04 21:10
8	ag19691.d	5.0 ug/L LCS/BS voa1052	12/01/04 21:36
9	ag19692.d	5.0 ug/L LCS/BSD voa1052	12/01/04 22:02
0	ag19694.d	.5 ug/L 524.2 LFB	12/01/04 22:54
1	ag19695.d	MB voa1052	12/01/04 23:20
2	ag19696.d	125100-1 voa1052	12/01/04 23:46
3	ag19697.d	125100-1 voa1052	12/02/04 00:12
4	ag19698.d	125054-1 voa1052	12/02/04 00:38
5	ag19699.d	125058-2 voa1052	12/02/04 01:04
6	ag19700.d	125060-2 voa1052	12/02/04 01:30
7	ag19701.d	125060-9 voa1052	12/02/04 01:56
8	ag19702.d	125060-10 voa1052	12/02/04 02:22
9	ag19703.d	125060-11 voa1052	12/02/04 02:48
0	ag19704.d	125060-12 voa1052	12/02/04 03:14
1	ag19705.d	125060-1 voa1052	12/02/04 03:40
2	ag19706.d	125060-1 MS voa1052	12/02/04 04:06
3	ag19707.d	125060-1 MSD voa1052	12/02/04 04:32

CLPBFB

Data File : E:\DATA\12012004\AG19690.D
Acq On : 1 Dec 2004 9:10 pm
Sample : 5.0 ug/L 8260 ccal
Misc : 1249-64-09
MS Integration Params: RTEINT.P
Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction

Vial: 21
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00





Spectrum Information: Scan 911

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.3	82608	PASS
75	95	30	60	41.6	211264	PASS
95	95	100	100	100.0	507392	PASS
96	95	5	9	6.9	34976	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	99.6	505600	PASS
175	174	5	9	7.5	37920	PASS
176	174	95	101	96.4	487168	PASS
177	176	5	9	6.7	32808	PASS

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19690.D
Acq On : 1 Dec 2004 9:10 pm
Sample : 5.0 ug/L 8260 ccal
Misc : 1249-64-09
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:09:24 2004

Vial: 21
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	842072	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.36	114	1234821	10.00	ug/L	0.01
62) D5-Chlorobenzene(I)	10.68	119	238619	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	549433	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	793733	22.47	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 224.70%#			
40) Fluorobenzene(S)	7.23	96	3136997	23.88	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 238.80%#			
42) Trifluorotoluene(S)	7.96	146	734744	12.12	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 121.20%#			
53) Toluene-d8(S)	9.02	98	2981937	24.44	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 244.40%#			
63) Ethylbenzene-d10(S)	10.74	98	3697614	25.19	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 251.90%#			
72) Bromofluorobenzene(S)	12.09	174	1029020	23.41	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 234.10%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	170034	5.01	ug/L	96
3) Chloromethane	1.88	50	199094	5.50	ug/L	98
4) Vinyl Chloride	2.00	62	196565	5.45	ug/L	98
5) Bromomethane	2.43	94	52359	8.58	ug/L	91
6) Chloroethane	2.57	64	107335	5.08	ug/L	94
7) Trichlorofluoromethane	2.92	101	247929	5.05	ug/L	97
8) Acrolein	3.50	56	93300	26.78	ug/L	100
9) Ethyl ether	3.33	59	716308	25.72	ug/L	95
10) 1,1-Dichloroethene	3.65	96	153034	5.02	ug/L	97
11) 1,1,2-Trichlorotrifluoroet	3.66	151	138136	4.93	ug/L	93
12) Carbon Disulfide	3.93	76	557556	5.10	ug/L	100
13) Acetone	3.72	43	425617	21.86	ug/L	100
14) tert-Butyl alcohol	5.72	59	482689	25.07	ug/L	95
15) Methylene Chloride	4.32	49	225985	5.08	ug/L	97
16) Methyl tert-Butyl ether	4.66	73	419283	5.11	ug/L	96
17) trans-1,2-Dichloroethene	4.68	96	181196	5.18	ug/L	96
18) Acrylonitrile	4.63	53	279564	25.72	ug/L	98
19) Hexane	5.01	56	82167	4.05	ug/L	94
20) Diisopropyl ether	5.28	45	550914	4.97	ug/L	97
21) 1,1-Dichloroethane	5.20	63	290353	5.00	ug/L	97
22) Vinyl Acetate	5.27	43	550685	8.54	ug/L #	96
23) Ethyl tert-butyl ether	5.72	87	198157	4.76	ug/L	96
24) 2,2-Dichloropropane	5.88	77	156180	3.70	ug/L	96
25) cis-1,2-Dichloroethene	5.91	96	192221	5.03	ug/L	92
26) 2-Butanone	5.91	57	38465	24.12	ug/L #	85
27) Ethyl acetate	5.98	45	99489	24.57	ug/L	88
28) Tetrahydrofuran	6.24	71	88477	26.72	ug/L	95
29) Bromochloromethane	6.19	49	154495	5.44	ug/L	98
30) Chloroform	6.30	85	189039	4.96	ug/L	87
31) 1,1,1-Trichloroethane	6.49	97	256345	5.20	ug/L	92
32) Cyclohexane	6.54	56	286716	4.79	ug/L	91
34) Carbon Tetrachloride	6.67	119	195756	4.98	ug/L	96
35) 1,1-Dichloropropene	6.67	75	226337	5.05	ug/L	99
36) tert-Amyl methyl ether	7.02	73	428583	4.96	ug/L	97
37) Benzene	6.91	78	711662	5.18	ug/L	96
38) iso-Butyl alcohol	6.85	43	518223	502.57	ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19690.D
Acq On : 1 Dec 2004 9:10 pm
Sample : 5.0 ug/L 8260 ccal
Misc : 1249-64-09
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:09:24 2004

Vial: 21
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	1,2-Dichloroethane	6.94	62	232339	5.10 ug/L	96
43)	Trichloroethene	7.65	130	215406	5.55 ug/L	96
44)	n-Butyl alcohol	7.59	41	219800	520.51 ug/L	98
45)	Methylcyclohexane	7.84	55	176215	4.87 ug/L	90
46)	1,2-Dichloropropane	7.89	63	175045	5.07 ug/L	95
47)	Dibromomethane	8.05	174	124508	5.19 ug/L	93
48)	1,4-Dioxane	8.05	88	37213	127.89 ug/L	90
49)	Bromodichloromethane	8.23	83	209250	5.03 ug/L	99
50)	2-Chloroethyl Vinyl Ether	8.54	63	142695	28.92 ug/L	98
51)	cis-1,3-Dichloropropene	8.71	75	231206	4.78 ug/L	99
52)	4-Methyl-2-pentanone	8.87	85	126452	26.22 ug/L	97
54)	Toluene	9.09	91	763623	5.14 ug/L	99
55)	trans-1,3-Dichloropropene	9.35	75	209331	4.77 ug/L	98
56)	1,1,2-Trichloroethane	9.57	97	156677	5.13 ug/L	99
57)	Tetrachloroethene	9.73	164	159071	5.09 ug/L	95
58)	1,3-Dichloropropane	9.75	76	255184	5.11 ug/L	98
59)	2-Hexanone	9.83	85	54631	23.92 ug/L #	88
60)	Dibromochloromethane	10.03	129	150708	5.06 ug/L	94
61)	1,2-Dibromoethane	10.15	107	159232	5.33 ug/L	98
64)	Chlorobenzene	10.72	112	526362	5.18 ug/L	88
65)	1,1,1,2-Tetrachloroethane	10.82	131	161183	5.08 ug/L	96
66)	Ethylbenzene	10.83	91	816645	5.17 ug/L	100
67)	m,p-Xylene	10.97	106	654068	10.40 ug/L	98
68)	o-Xylene	11.45	91	634871	5.14 ug/L	92
69)	Styrene	11.47	104	508858	5.36 ug/L	91
70)	Bromoform	11.71	173	85881	4.67 ug/L	90
71)	Isopropylbenzene	11.88	105	749598	5.23 ug/L	99
73)	Bromobenzene	12.27	156	219295	5.10 ug/L #	73
74)	1,1,2,2-Tetrachloroethane	12.27	83	278229+	4.87 ug/L	98
75)	1,2,3-Trichloropropane	12.30	110	59280	5.60 ug/L	96
76)	n-Propylbenzene	12.38	91	940609	5.22 ug/L	96
77)	2-Chlorotoluene	12.50	126	197694	5.03 ug/L	98
78)	4-Chlorotoluene	12.62	126	207906	5.08 ug/L	88
79)	1,3,5-Trimethylbenzene	12.58	105	618906	5.26 ug/L	98
80)	t-Butylbenzene	12.98	119	501160	5.05 ug/L	97
81)	1,2,4-Trimethylbenzene	13.04	105	634998	5.23 ug/L	98
82)	sec-Butylbenzene	13.25	105	676570	5.16 ug/L	99
83)	4-Isopropyltoluene	13.42	119	593899	5.12 ug/L	98
84)	1,3-Dichlorobenzene	13.40	146	398600	5.12 ug/L	99
86)	1,4-Dichlorobenzene	13.51	146	415881	5.03 ug/L	97
87)	n-Butylbenzene	13.92	134	128842	4.87 ug/L	93
88)	1,2-Dichlorobenzene	13.97	146	387148	4.96 ug/L	98
89)	1,2-Dibromo-3-chloropropan	14.93	75	24576	4.57 ug/L	87
90)	1,3,5-Trichlorobenzene	15.18	180	251969	4.84 ug/L	98
91)	1,2,4-Trichlorobenzene	15.95	180	234673	4.70 ug/L	99
92)	Hexachlorobutadiene	16.15	225	83237	4.37 ug/L	98
93)	Naphthalene	16.26	128	480446	4.39 ug/L	98
94)	1,2,3-Trichlorobenzene	16.56	180	224479	4.67 ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

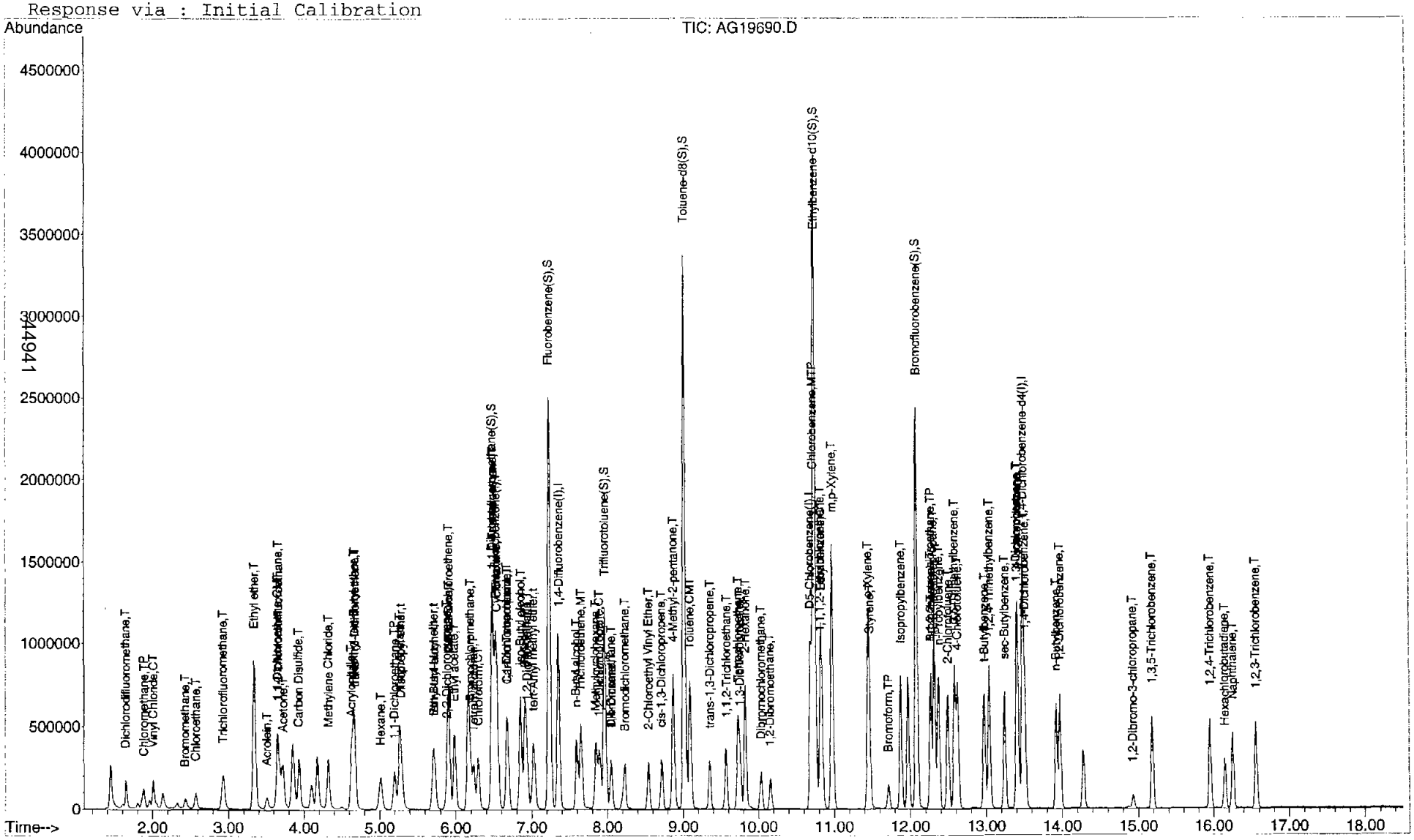
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19690.D
Acq On : 1 Dec 2004 9:10 pm
Sample : 5.0 ug/L 8260 ccal
Misc : 1249-64-09
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:09 2004

Vial: 21
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : E:\DATA\12012004\AG19690.D Vial: 21
Acq On : 1 Dec 2004 9:10 pm Operator: crf
Sample : 5.0 ug/L 8260 ccal Inst : VOAInst#3
Misc : 1249-64-09 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene(I)	1.000	1.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	0.403	0.404	-0.2	96	-0.01
3	TP	Chloromethane	0.453	0.473	-4.4	121	0.00
4	CT	Vinyl Chloride	0.428	0.467	-9.1	103	-0.01
5	T	Bromomethane	0.072	0.124	-72.2#	169	-0.01
6	T	Chloroethane	0.251	0.255	-1.6	108	0.00
7	T	Trichlorofluoromethane	0.583	0.589	-1.0	97	0.00
8	T	Acrolein	0.041	0.044#	-7.3	108	-0.01
9	T	Ethyl ether	0.331	0.340	-2.7	99	0.00
10	CMT	1,1-Dichloroethene	0.362	0.363	-0.3	101	0.00
11	T	1,1,2-Trichlorotrifluoroeth	0.333	0.328	1.5	96	0.00
12	T	Carbon Disulfide	1.299	1.324	-1.9	102	-0.01
13	T	Acetone	0.231	0.202	12.6	94	0.01
14	t	tert-Butyl alcohol	0.229	0.229	0.0	100	0.00
15	T	Methylene Chloride	0.528	0.537	-1.7	103	0.00
16	T	Methyl tert-Butyl ether	0.975	0.996	-2.2	99	0.01
17	T	trans-1,2-Dichloroethene	0.416	0.430	-3.4	102	0.00
18	T	Acrylonitrile	0.129	0.133	-3.1	101	-0.01
19	T	Hexane	0.241	0.195	19.1	81	0.00
20	t	Diisopropyl ether	1.317	1.308	0.7	96	0.01
21	TP	1,1-Dichloroethane	0.690	0.690	0.0	100	0.00
22	T	Vinyl Acetate	0.766	0.262	65.8#	30#	0.00
23	t	Ethyl tert-butyl ether	0.494	0.471	4.7	96	0.00
24	T	2,2-Dichloropropane	0.501	0.371	25.9#	73	0.00
25	T	cis-1,2-Dichloroethene	0.454	0.457	-0.7	99	0.00
26	T	2-Butanone	0.019	0.018#	5.3	98	0.00
27	T	Ethyl acetate	0.048	0.047#	2.1	97	0.00
28	T	Tetrahydrofuran	0.039	0.042#	-7.7	102	0.00
29	T	Bromochloromethane	0.337	0.367	-8.9	104	0.00
30	CT	Chloroform	0.453	0.449	0.9	99	0.00
31	T	1,1,1-Trichloroethane	0.585	0.609	-4.1	104	0.01
32	T	Cyclohexane	0.710	0.681	4.1	99	0.00
33	S	Dibromofluoromethane(S)	0.420	0.754	-79.5#	183	0.00
34	T	Carbon Tetrachloride	0.467	0.465	0.4	99	-0.01
35	T	1,1-Dichloropropene	0.532	0.538	-1.1	102	0.00
36	t	tert-Amyl methyl ether	1.027	1.018	0.9	99	0.00
37	MT	Benzene	1.630	1.690	-3.7	103	0.00
38	T	iso-Butyl alcohol	0.012	0.012#	0.0	97	0.00
39	T	1,2-Dichloroethane	0.541	0.552	-2.0	100	0.00
40	S	Fluorobenzene(S)	1.560	2.980	-91.0#	187	0.00
41	I	1,4-Difluorobenzene(I)	1.000	1.000	0.0	100	0.01
42	S	Trifluorotoluene(S)	0.491	0.476	3.1	96	0.01
43	MT	Trichloroethene	0.314	0.349	-11.1	111	0.01
44	T	n-Butyl alcohol	0.003	0.004#	-33.3#	99	0.00
45	T	Methylcyclohexane	0.293	0.285	2.7	96	0.00
46	CT	1,2-Dichloropropane	0.280	0.284	-1.4	102	0.00
47	T	Dibromomethane	0.194	0.202	-4.1	104	0.01
48	T	1,4-Dioxane	0.002	0.002#	0.0	103	0.01
49	T	Bromodichloromethane	0.337	0.339	-0.6	101	0.01
50	T	2-Chloroethyl Vinyl Ether	0.032	0.046#	-43.7#	120	0.02
51	T	cis-1,3-Dichloropropene	0.392	0.374	4.6	95	0.00
52	T	4-Methyl-2-pentanone	0.039	0.041#	-5.1	99	0.01
53	S	Toluene-d8(S)	0.988	1.932	-95.5#	184	0.01
54	CMT	Toluene	1.202	1.237	-2.9	103	0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\DATA\12012004\AG19690.D
Acq On : 1 Dec 2004 9:10 pm
Sample : 5.0 ug/L 8260 ccal
Misc : 1249-64-09
MS Integration Params: RTEINT.P

Vial: 21
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
55	T	trans-1,3-Dichloropropene	0.356	0.339	4.8	92	0.02
56	T	1,1,2-Trichloroethane	0.248	0.254	-2.4	99	0.02
57	T	Tetrachloroethene	0.253	0.258	-2.0	99	0.02
58	T	1,3-Dichloropropane	0.404	0.413	-2.2	102	0.02
59	T	2-Hexanone	0.018	0.018#	0.0	95	0.02
60	T	Dibromochloromethane	0.241	0.244	-1.2	101	0.02
61	T	1,2-Dibromoethane	0.242	0.258	-6.6	102	0.00
62	I	D5-Chlorobenzene(I)	1.000	1.000	0.0	99	0.00
63	S	Ethylbenzene-d10(S)	6.151	12.397	-101.5#	192	0.01
64	MTP	Chlorobenzene	4.260	4.412	-3.6	103	0.01
65	T	1,1,1,2-Tetrachloroethane	1.330	1.351	-1.6	104	0.01
66	CT	Ethylbenzene	6.621	6.845	-3.4	101	0.00
67	T	m,p-Xylene	2.635	2.741	-4.0	101	0.01
68	T	o-Xylene	5.171	5.321	-2.9	102	0.01
69	T	Styrene	3.975	4.265	-7.3	106	0.01
70	TP	Bromoform	0.712	0.720	-1.1	98	0.01
71	T	Isopropylbenzene	6.002	6.283	-4.7	102	0.01
72	S	Bromofluorobenzene(S)	1.842	3.450	-87.3#	183	0.01
73	T	Bromobenzene	1.802	1.838	-2.0	102	0.01
74	TP	1,1,2,2-Tetrachloroethane	2.394	2.332	2.6	93	0.01
75	T	1,2,3-Trichloropropane	0.444	0.497	-11.9	104	0.00
76	T	n-Propylbenzene	7.556	7.884	-4.3	101	0.01
77	T	2-Chlorotoluene	1.648	1.657	-0.5	100	0.01
78	T	4-Chlorotoluene	1.716	1.743	-1.6	102	0.01
79	T	1,3,5-Trimethylbenzene	4.934	5.187	-5.1	101	0.01
80	T	t-Butylbenzene	4.159	4.201	-1.0	101	0.01
81	T	1,2,4-Trimethylbenzene	5.087	5.322	-4.6	99	0.01
82	T	sec-Butylbenzene	5.497	5.671	-3.2	102	0.02
83	T	4-Isopropyltoluene	4.861	4.978	-2.4	98	0.02
84	T	1,3-Dichlorobenzene	3.263	3.341	-2.4	101	0.02
85	I	1,4-Dichlorobenzene-d4(I)	1.000	1.000	0.0	103	0.00
86	T	1,4-Dichlorobenzene	1.506	1.514	-0.5	102	0.00
87	T	n-Butylbenzene	0.482	0.469	2.7	93	0.00
88	T	1,2-Dichlorobenzene	1.421	1.409	0.8	99	0.00
89	T	1,2-Dibromo-3-chloropropane	0.098	0.089#	9.2	98	-0.01
90	T	1,3,5-Trichlorobenzene	0.947	0.917	3.2	97	-0.01
91	T	1,2,4-Trichlorobenzene	0.909	0.854	6.1	94	0.00
92	T	Hexachlorobutadiene	0.347	0.303	12.7	92	0.00
93	T	Naphthalene	1.993	1.749	12.2	91	0.00
94	T	1,2,3-Trichlorobenzene	0.875	0.817	6.6	97	0.00

Evaluate Continuing Calibration Report

Data File : E:\DATA\12012004\AG19690.D
Acq On : 1 Dec 2004 9:10 pm
Sample : 5.0 ug/L 8260 ccal
Misc : 1249-64-09
MS Integration Params: RTEINT.P

Vial: 21
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene(I)	10.000	10.000	0.0	102	0.00
2	T	Dichlorodifluoromethane	5.000	5.011	-0.2	96	-0.01
3	TP	Chloromethane	5.000	5.501	-10.0	121	0.00
4	CT	Vinyl Chloride	5.000	5.454	-9.1	103	-0.01
5	T	Bromomethane	5.000	8.584	-71.7#	169	-0.01
6	T	Chloroethane	5.000	5.079	-1.6	108	0.00
7	T	Trichlorofluoromethane	5.000	5.046	-0.9	97	0.00
8	T	Acrolein	25.000	26.783	-7.1	108	-0.01
9	T	Ethyl ether	25.000	25.724	-2.9	99	0.00
10	CMT	1,1-Dichloroethene	5.000	5.024	-0.5	101	0.00
11	T	1,1,2-Trichlorotrifluoroeth	5.000	4.926	1.5	96	0.00
12	T	Carbon Disulfide	5.000	5.097	-1.9	102	-0.01
13	T	Acetone	25.000	21.857	12.6	94	0.01
14	t	tert-Butyl alcohol	25.000	25.066	-0.3	100	0.00
15	T	Methylene Chloride	5.000	5.084	-1.7	103	0.00
16	T	Methyl tert-Butyl ether	5.000	5.106	-2.1	99	0.01
17	T	trans-1,2-Dichloroethene	5.000	5.177	-3.5	102	0.00
18	T	Acrylonitrile	25.000	25.724	-2.9	101	-0.01
19	T	Hexane	5.000	4.053	18.9	81	0.00
20	t	Diisopropyl ether	5.000	4.969	0.6	96	0.01
21	TP	1,1-Dichloroethane	5.000	4.997	0.1	100	0.00
22	T	Vinyl Acetate	25.000	8.542	65.8#	30	0.00
23	t	Ethyl tert-butyl ether	5.000	4.760	4.8	96	0.00
24	T	2,2-Dichloropropane	5.000	3.704	25.9#	73	0.00
25	T	cis-1,2-Dichloroethene	5.000	5.027	-0.5	99	0.00
26	T	2-Butanone	25.000	24.123	3.5	98	0.00
27	T	Ethyl acetate	25.000	24.569	1.7	97	0.00
28	T	Tetrahydrofuran	25.000	26.722	-6.9	102	0.00
29	T	Bromochloromethane	5.000	5.444	-8.9	104	0.00
30	CT	Chloroform	5.000	4.956	0.9	99	0.00
31	T	1,1,1-Trichloroethane	5.000	5.205	-4.1	104	0.01
32	T	Cyclohexane	5.000	4.793	4.1	99	0.00
33	S	Dibromofluoromethane(S)	12.500	22.467	-79.7#	183	0.00
34	T	Carbon Tetrachloride	5.000	4.976	0.5	99	-0.01
35	T	1,1-Dichloropropene	5.000	5.049	-1.0	102	0.00
36	t	tert-Amyl methyl ether	5.000	4.957	0.9	99	0.00
37	MT	Benzene	5.000	5.184	-3.7	103	0.00
38	T	iso-Butyl alcohol	500.000	502.566	-0.5	97	0.00
39	T	1,2-Dichloroethane	5.000	5.102	-2.0	100	0.00
40	S	Fluorobenzene(S)	12.500	23.879	-91.0#	187	0.00
41	I	1,4-Difluorobenzene(I)	10.000	10.000	0.0	100	0.01
42	S	Trifluorotoluene(S)	12.500	12.121	3.0	96	0.01
43	MT	Trichloroethene	5.000	5.554	-11.1	111	0.01
44	T	n-Butyl alcohol	500.000	520.507	-4.1	99	0.00
45	T	Methylcyclohexane	5.000	4.872	2.6	96	0.00
46	CT	1,2-Dichloropropane	5.000	5.068	-1.4	102	0.00
47	T	Dibromomethane	5.000	5.194	-3.9	104	0.01
48	T	1,4-Dioxane	125.000	127.889	-2.3	103	0.01
49	T	Bromodichloromethane	5.000	5.030	-0.6	101	0.01
50	T	2-Chloroethyl Vinyl Ether	25.000	28.918	-15.7	120	0.02
51	T	cis-1,3-Dichloropropene	5.000	4.776	4.5	95	0.00
52	T	4-Methyl-2-pentanone	25.000	26.217	-4.9	99	0.01
53	S	Toluene-d8(S)	12.500	24.439	-95.5#	184	0.01
54	CMT	Toluene	5.000	5.143	-2.9	103	0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\DATA\12012004\AG19690.D
Acq On : 1 Dec 2004 9:10 pm
Sample : 5.0 ug/L 8260 ccal
Misc : 1249-64-09
MS Integration Params: RTEINT.P

Vial: 21
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
55	T	trans-1,3-Dichloropropene	5.000	4.767	4.7	92	0.02
56	T	1,1,2-Trichloroethane	5.000	5.125	-2.5	99	0.02
57	T	Tetrachloroethene	5.000	5.094	-1.9	99	0.02
58	T	1,3-Dichloropropane	5.000	5.114	-2.3	102	0.02
59	T	2-Hexanone	25.000	23.916	4.3	95	0.02
60	T	Dibromochloromethane	5.000	5.058	-1.2	101	0.02
61	T	1,2-Dibromoethane	5.000	5.330	-6.6	102	0.00
62	I	D5-Chlorobenzene(I)	10.000	10.000	0.0	99	0.00
63	S	Ethylbenzene-d10(S)	12.500	25.195	-101.6#	192	0.01
64	MTP	Chlorobenzene	5.000	5.178	-3.6	103	0.01
65	T	1,1,1,2-Tetrachloroethane	5.000	5.080	-1.6	104	0.01
66	CT	Ethylbenzene	5.000	5.169	-3.4	101	0.00
67	T	m,p-Xylene	10.000	10.402	-4.0	101	0.01
68	T	o-Xylene	5.000	5.145	-2.9	102	0.01
69	T	Styrene	5.000	5.364	-7.3	106	0.01
70	TP	Bromoform	5.000	4.672	6.6	98	0.01
71	T	Isopropylbenzene	5.000	5.234	-4.7	102	0.01
72	S	Bromofluorobenzene(S)	12.500	23.414	-87.3#	183	0.01
73	T	Bromobenzene	5.000	5.100	-2.0	102	0.01
74	TP	1,1,2,2-Tetrachloroethane	5.000	4.871	2.6	93	0.01
75	T	1,2,3-Trichloropropane	5.000	5.595	-11.9	104	0.00
76	T	n-Propylbenzene	5.000	5.217	-4.3	101	0.01
77	T	2-Chlorotoluene	5.000	5.027	-0.5	100	0.01
78	T	4-Chlorotoluene	5.000	5.076	-1.5	102	0.01
79	T	1,3,5-Trimethylbenzene	5.000	5.256	-5.1	101	0.01
80	T	t-Butylbenzene	5.000	5.049	-1.0	101	0.01
81	T	1,2,4-Trimethylbenzene	5.000	5.231	-4.6	99	0.01
82	T	sec-Butylbenzene	5.000	5.158	-3.2	102	0.02
83	T	4-Isopropyltoluene	5.000	5.120	-2.4	98	0.02
84	T	1,3-Dichlorobenzene	5.000	5.120	-2.4	101	0.02
85	I	1,4-Dichlorobenzene-d4(I)	10.000	10.000	0.0	103	0.00
86	T	1,4-Dichlorobenzene	5.000	5.026	-0.5	102	0.00
87	T	n-Butylbenzene	5.000	4.865	2.7	93	0.00
88	T	1,2-Dichlorobenzene	5.000	4.959	0.8	99	0.00
89	T	1,2-Dibromo-3-chloropropane	5.000	4.569	8.6	98	-0.01
90	T	1,3,5-Trichlorobenzene	5.000	4.844	3.1	97	-0.01
91	T	1,2,4-Trichlorobenzene	5.000	4.697	6.1	94	0.00
92	T	Hexachlorobutadiene	5.000	4.366	12.7	92	0.00
93	T	Naphthalene	5.000	4.387	12.3	91	0.00
94	T	1,2,3-Trichlorobenzene	5.000	4.668	6.6	97	0.00

Sequence Log

Directory : g:\DATA\12032004

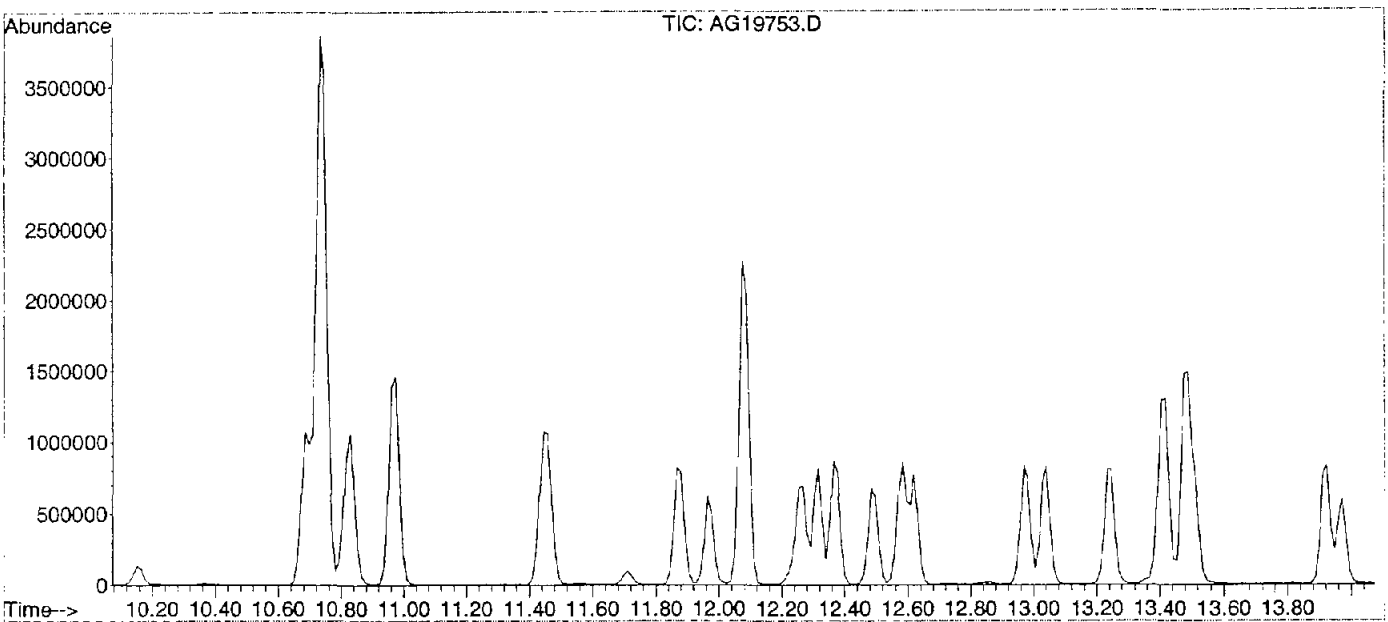
12/20/2004

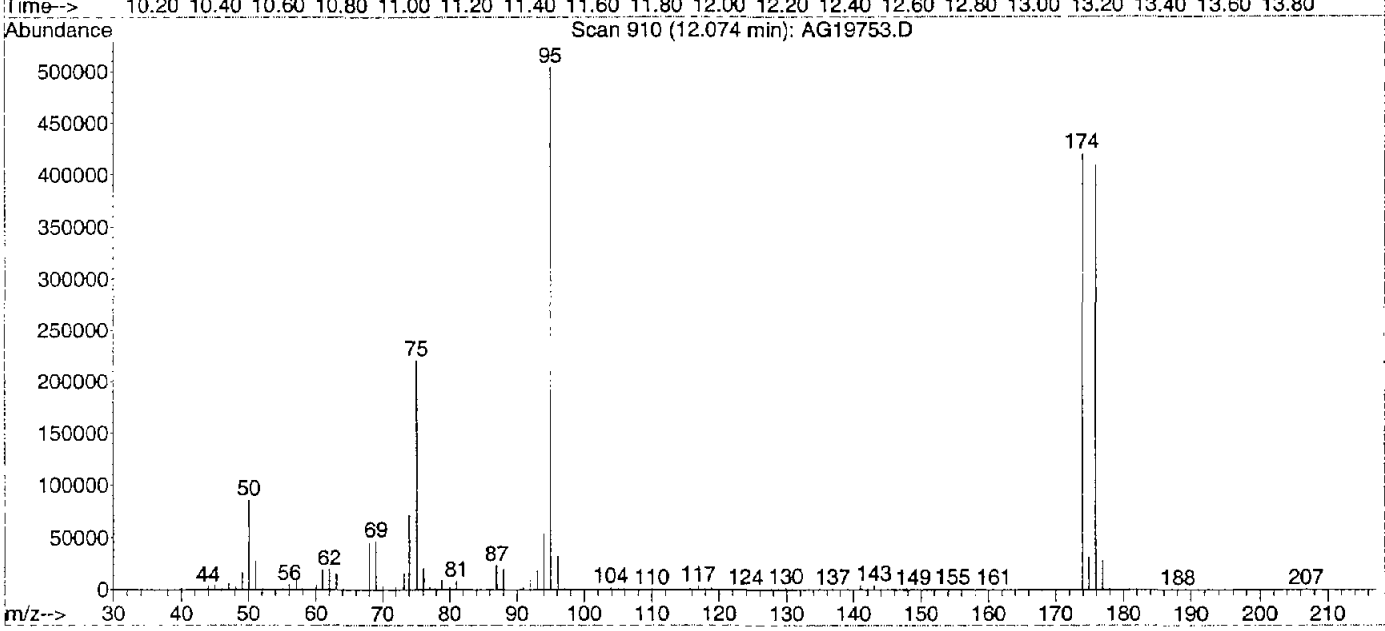
	Filename	Sample Name	Date/Time
1	ag19753.d	4.0 ug/kg 8260 ccal	12/03/04 11:29
2	ag19754.d	4.0 ug/kg BS 8260 voa1056	12/03/04 12:21
3	ag19755.d	4.0 ug/kg BSD 8260 voa1056	12/03/04 12:47
4	ag19756.d	IB	12/03/04 13:12
5	ag19757.d	MB voa1056	12/03/04 13:38
6	ag19758.d	Reagent MB voa1056	12/03/04 14:35
7	ag19759.d	Lot test	12/03/04 15:00
8	ag19760.d	125060-3 voa1056	12/03/04 16:21
9	ag19761.d	125060-4 voa1056	12/03/04 16:47
10	ag19762.d	125060-5 voa1056	12/03/04 17:13
11	ag19763.d	125060-8 voa1056	12/03/04 17:39
12	ag19764.d	125059-8 voa1056	12/03/04 18:04
13	ag19765.d	125059-10 voa1056	12/03/04 18:30
14	ag19766.d	125059-12 voa1056	12/03/04 18:55
15	ag19767.d	125059-13 voa1056	12/03/04 19:21
16	ag19768.d	125059-14 voa1056	12/03/04 19:47
17	ag19769.d	125059-15 voa1056	12/03/04 20:12
18	ag19770.d	125059-15 MS voa1056	12/03/04 20:38
19	ag19771.d	125059-15 MSD voa1056	12/03/04 21:04
20	ag19772.d	125059-16 voa1056	12/03/04 21:29
21	ag19773.d	125060-6 voa1056	12/03/04 21:55

CLPBFB

Data File : E:\DATA\12032004\AG19753.D
Acq On : 3 Dec 2004 11:29 am
Sample : 4.0 ug/kg 8260 ccal
Misc : Low soil
MS Integration Params: RTEINT.P
Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge

Vial: 3
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00





Spectrum Information: Scan 910

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.0	85840	PASS
75	95	30	60	43.8	220864	PASS
95	95	100	100	100.0	504128	PASS
96	95	5	9	6.4	32320	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.4	420544	PASS
175	174	5	9	7.4	31024	PASS
176	174	95	101	97.2	408960	PASS
177	176	5	9	6.8	27672	PASS

AG19753.D 11022004_LOWSOIL_8260.M Mon Dec 06 11:35:18 2004

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19753.D
Acq On : 3 Dec 2004 11:29 am
Sample : 4.0 ug/kg 8260 ccal
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 03 11:55:51 2004

Vial: 3
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.51	168	923575	10.00	ug/Kg	0.00
35) 1,4-Difluorobenzene(I)	7.35	114	1383200	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	249910	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	542103	10.00	ug/Kg	0.00

System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	838768	19.26	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 192.60%#			
34) Fluorobenzene(S)	7.23	96	3250132	19.37	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 193.70%#			
36) Trifluorotoluene(S)	7.96	146	789603	10.97	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 54.85%#			
45) Toluene-d8(S)	9.02	98	2983725	19.70	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 197.00%#			
55) Ethylbenzene-d10(S)	10.74	98	3705953	20.23	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 202.30%#			
64) Bromofluorobenzene(S)	12.09	174	932717	19.81	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 198.10%#			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	208161	4.16	ug/Kg	97
3) Chloromethane	1.87	50	191779	3.70	ug/Kg	95
4) Vinyl Chloride	1.99	62	141183	4.08	ug/Kg	96
5) Bromomethane	2.41	94	56731	5.03	ug/Kg	99
6) Chloroethane	2.56	64	65550	4.06	ug/Kg	96
7) Trichlorofluoromethane	2.90	101	189001	3.75	ug/Kg	88
8) 1,1-Dichloroethene	3.64	96	169525	4.04	ug/Kg	98
9) 1,1,2-Trichlorotrifluoroet	3.65	151	173510	4.28	ug/Kg	94
10) Carbon Disulfide	3.91	76	736012	4.66	ug/Kg	99
11) Acetone	3.73	43	165240	18.42	ug/Kg	99
12) tert-Butyl alcohol	5.72	59	410784	18.67	ug/Kg	97
13) Methylene Chloride	4.31	49	233461	3.71	ug/Kg	99
14) Methyl tert-Butyl ether	4.66	73	341745	3.71	ug/Kg	96
15) trans-1,2-Dichloroethene	4.66	96	194794	4.21	ug/Kg	99
16) Hexane	4.99	56	162220	4.68	ug/Kg	97
17) Diisopropyl ether	5.28	45	507721	3.90	ug/Kg#	96
18) 1,1-Dichloroethane	5.18	63	316618	4.07	ug/Kg	100
19) Vinyl Acetate	5.26	43	1384599	18.30	ug/Kg#	98
20) Ethyl tert-butyl ether	5.72	87	174064	3.82	ug/Kg	89
21) 2,2-Dichloropropane	5.88	77	248137	4.05	ug/Kg	99
22) cis-1,2-Dichloroethene	5.90	96	202775	4.04	ug/Kg	93
23) 2-Butanone	5.92	57	18282	17.73	ug/Kg#	66
24) Bromochloromethane	6.19	49	135066	4.15	ug/Kg	95
25) Chloroform	6.28	85	191662	3.89	ug/Kg	96
26) 1,1,1-Trichloroethane	6.48	97	264254	4.11	ug/Kg	92
27) Cyclohexane	6.53	56	340674	3.99	ug/Kg	99
29) Carbon Tetrachloride	6.67	119	197866	3.65	ug/Kg	98
30) 1,1-Dichloropropene	6.67	75	238523	4.16	ug/Kg	99
31) tert-Amyl methyl ether	7.02	73	342387	3.73	ug/Kg	97
32) Benzene	6.90	78	696794	4.14	ug/Kg	97
33) 1,2-Dichloroethane	6.94	62	194433	3.90	ug/Kg	90
37) Trichloroethene	7.65	130	200050	4.18	ug/Kg	96
38) Methylcyclohexane	7.84	55	252053	4.29	ug/Kg	98
39) 1,2-Dichloropropane	7.89	63	169861	4.04	ug/Kg	93
40) Dibromomethane	8.05	174	97511	3.89	ug/Kg	95
41) Bromodichloromethane	8.22	83	181930	3.71	ug/Kg	98

44955

(#) = qualifier out of range (m) = manual integration

00457

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19753.D
Acq On : 3 Dec 2004 11:29 am
Sample : 4.0 ug/kg 8260 ccal
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 03 11:55:51 2004

Vial: 3
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	132202	15.82	ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	215814	3.87	ug/Kg	98
44)	4-Methyl-2-pentanone	8.87	85	75940	19.11	ug/Kg#	83
46)	Toluene	9.09	91	736478	4.20	ug/Kg	99
47)	trans-1,3-Dichloropropene	9.34	75	178416	3.87	ug/Kg	96
48)	1,1,2-Trichloroethane	9.56	97	121195	3.86	ug/Kg	96
49)	Tetrachloroethene	9.72	164	160044	4.13	ug/Kg	97
50)	1,3-Dichloropropane	9.75	76	192748	3.88	ug/Kg	99
51)	2-Hexanone	9.83	85	25862	17.49	ug/Kg#	89
52)	Dibromochloromethane	10.03	129	107472	3.42	ug/Kg	99
53)	1,2-Dibromoethane	10.15	107	107838	3.74	ug/Kg	92
56)	Chlorobenzene	10.72	112	489409	4.29	ug/Kg	86
57)	1,1,1,2-Tetrachloroethane	10.82	131	141190	3.82	ug/Kg	96
58)	Ethylbenzene	10.83	91	783434	4.30	ug/Kg	99
59)	m,p-Xylene	10.97	106	625581	8.58	ug/Kg	98
60)	o-Xylene	11.45	91	598277	4.26	ug/Kg	98
61)	Styrene	11.46	104	437089	3.94	ug/Kg	89
62)	Bromoform	11.71	173	54854	3.10	ug/Kg	98
63)	Isopropylbenzene	11.88	105	768436	4.33	ug/Kg	97
65)	Bromobenzene	12.27	156	189584	4.08	ug/Kg#	80
66)	1,1,2,2-Tetrachloroethane	12.26	83	207540+	3.77	ug/Kg	99
67)	1,2,3-Trichloropropane	12.32	110	32541	3.47	ug/Kg	89
68)	n-Propylbenzene	12.36	91	966211	4.44	ug/Kg	98
69)	2-Chlorotoluene	12.50	126	189883	4.10	ug/Kg	96
70)	4-Chlorotoluene	12.62	126	191307	4.15	ug/Kg	86
71)	1,3,5-Trimethylbenzene	12.58	105	608636	4.19	ug/Kg	99
72)	t-Butylbenzene	12.97	119	567105	4.21	ug/Kg	94
73)	1,2,4-Trimethylbenzene	13.04	105	619792	4.20	ug/Kg	97
74)	sec-Butylbenzene	13.23	105	813278	4.35	ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	706695	4.32	ug/Kg	98
76)	1,3-Dichlorobenzene	13.40	146	359992	4.08	ug/Kg	99
78)	1,4-Dichlorobenzene	13.51	146	359125	3.96	ug/Kg	99
79)	n-Butylbenzene	13.92	134	172793	4.15	ug/Kg	98
80)	1,2-Dichlorobenzene	13.97	146	323670	3.87	ug/Kg	97
81)	1,2-Dibromo-3-chloropropan	14.93	75	14884	3.00	ug/Kg	89
82)	1,3,5-Trichlorobenzene	15.18	180	267433	3.77	ug/Kg	99
83)	1,2,4-Trichlorobenzene	15.95	180	229791	3.71	ug/Kg	97
84)	Hexachlorobutadiene	16.15	225	162130	4.18	ug/Kg	95
85)	Naphthalene	16.26	128	393733	3.61	ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	208840	3.55	ug/Kg	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

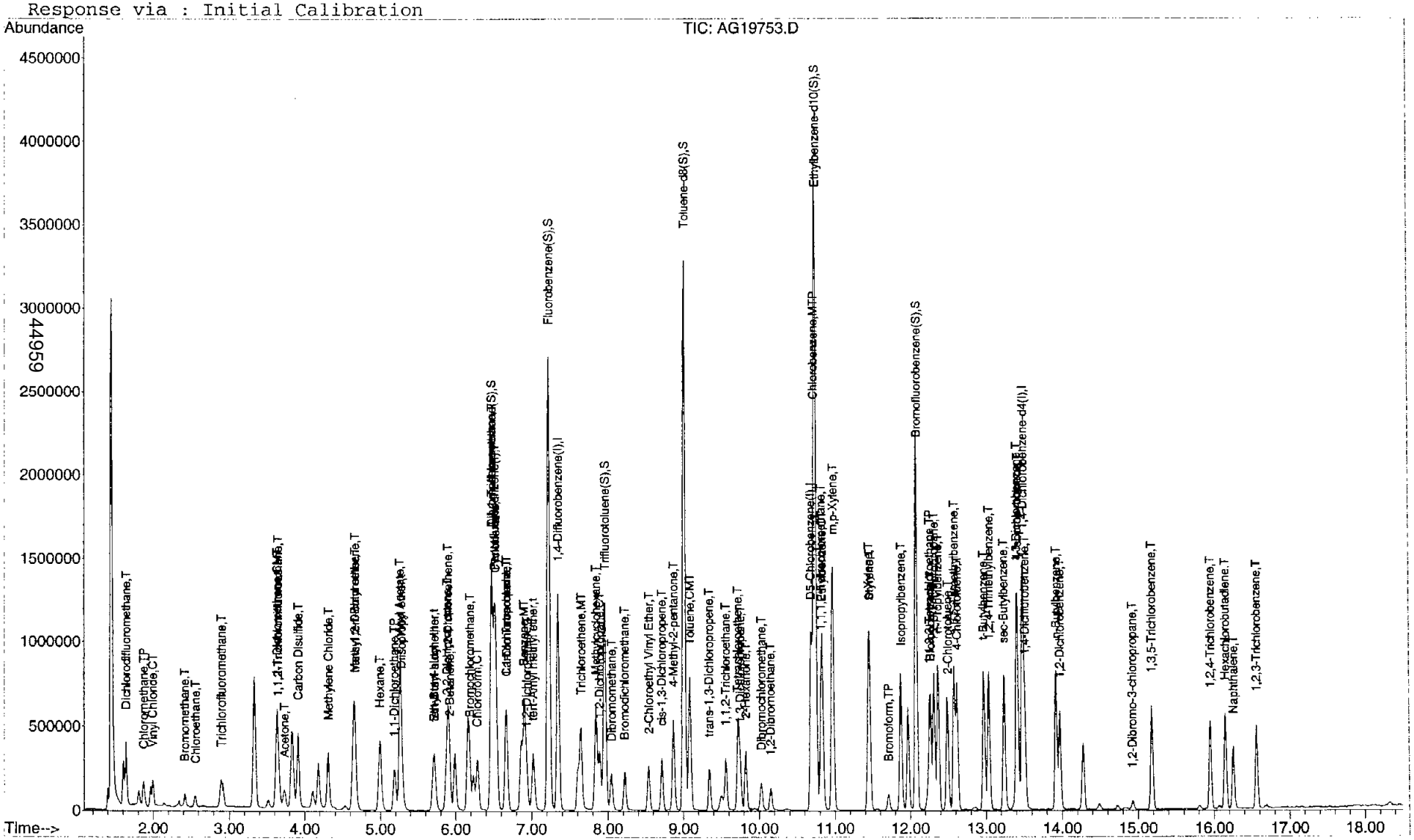
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19753.D
Acq On : 3 Dec 2004 11:29 am
Sample : 4.0 ug/kg 8260 ccal
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 3 11:55 2004

Vial: 3
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



00459

Evaluate Continuing Calibration Report

Data File : E:\DATA\12032004\AG19753.D
Acq On : 3 Dec 2004 11:29 am
Sample : 4.0 ug/kg 8260 ccal
Misc : Low soil
MS Integration Params: RTEINT.P

Vial: 3
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene(I)	10.000	10.000	0.0	100	0.00
2	T	Dichlorodifluoromethane	4.000	4.157	-3.9	105	0.00
3	TP	Chloromethane	4.000	3.699	7.5	89	0.00
4	CT	Vinyl Chloride	4.000	4.083	-2.1	99	-0.01
5	T	Bromomethane	4.000	5.032	-25.8#	123	-0.01
6	T	Chloroethane	4.000	4.058	-1.4	90	0.00
7	T	Trichlorofluoromethane	4.000	3.746	6.3	96	-0.01
8	CMT	1,1-Dichloroethene	4.000	4.037	-0.9	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	4.000	4.282	-7.1	108	-0.01
10	T	Carbon Disulfide	4.000	4.656	-16.4	119	-0.02
11	T	Acetone	20.000	18.422	7.9	72	0.01
12	t	tert-Butyl alcohol	20.000	18.670	6.6	89	0.00
13	T	Methylene Chloride	4.000	3.706	7.4	93	-0.01
14	T	Methyl tert-Butyl ether	4.000	3.711	7.2	89	0.01
15	T	trans-1,2-Dichloroethene	4.000	4.206	-5.2	104	0.00
16	T	Hexane	4.000	4.679	-17.0	102	-0.01
17	t	Diisopropyl ether	4.000	3.896	2.6	88	0.01
18	TP	1,1-Dichloroethane	4.000	4.069	-1.7	105	-0.01
19	T	Vinyl Acetate	20.000	18.300	8.5	85	-0.01
20	t	Ethyl tert-butyl ether	4.000	3.823	4.4	93	0.00
21	T	2,2-Dichloropropane	4.000	4.054	-1.4	107	0.00
22	T	cis-1,2-Dichloroethene	4.000	4.039	-1.0	102	-0.01
23	T	2-Butanone	20.000	17.733	11.3	80	0.01
24	T	Bromochloromethane	4.000	4.147	-3.7	96	0.00
25	CT	Chloroform	4.000	3.893	2.7	97	-0.01
26	T	1,1,1-Trichloroethane	4.000	4.110	-2.8	106	0.00
27	T	Cyclohexane	4.000	3.990	0.2	103	-0.01
28	S	Dibromofluoromethane(S)	10.000	19.264	-92.6#	193	0.00
29	T	Carbon Tetrachloride	4.000	3.653	8.7	93	0.00
30	T	1,1-Dichloropropene	4.000	4.160	-4.0	104	0.00
31	t	tert-Amyl methyl ether	4.000	3.729	6.8	91	0.00
32	MT	Benzene	4.000	4.142	-3.6	103	-0.01
33	T	1,2-Dichloroethane	4.000	3.895	2.6	96	0.00
34	S	Fluorobenzene(S)	10.000	19.368	-93.7#	198	0.00
35	I	1,4-Difluorobenzene(I)	10.000	10.000	0.0	100	0.00
36	S	Trifluorotoluene(S)	10.000	10.968	-9.7	103	0.00
37	MT	Trichloroethene	4.000	4.184	-4.6	104	0.00
38	T	Methylcyclohexane	4.000	4.289	-7.2	103	-0.01
39	CT	1,2-Dichloropropane	4.000	4.045	-1.1	101	0.00
40	T	Dibromomethane	4.000	3.887	2.8	93	0.00
41	T	Bromodichloromethane	4.000	3.711	7.2	92	-0.01
42	T	2-Chloroethyl Vinyl Ether	20.000	15.824	20.9#	68	0.04
43	T	cis-1,3-Dichloropropene	4.000	3.871	3.2	101	-0.01
44	T	4-Methyl-2-pentanone	20.000	19.111	4.4	94	0.00
45	S	Toluene-d8(S)	10.000	19.702	-97.0#	197	0.00
46	CMT	Toluene	4.000	4.203	-5.1	103	0.00
47	T	trans-1,3-Dichloropropene	4.000	3.866	3.3	100	-0.01
48	T	1,1,2-Trichloroethane	4.000	3.865	3.4	97	-0.01
49	T	Tetrachloroethene	4.000	4.129	-3.2	104	-0.01
50	T	1,3-Dichloropropane	4.000	3.881	3.0	94	0.00
51	T	2-Hexanone	20.000	17.495	12.5	80	0.00
52	T	Dibromochloromethane	4.000	3.423	14.4	90	0.00
53	T	1,2-Dibromoethane	4.000	3.736	6.6	89	-0.01

44961

(#) = Out of Range

00460

Evaluate Continuing Calibration Report

Data File : E:\DATA\12032004\AG19753.D Vial: 3
Acq On : 3 Dec 2004 11:29 am Operator: crf
Sample : 4.0 ug/kg 8260 ccal Inst : VOAInst#3
Misc : Low soil Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
55	S	Ethylbenzene-d10(S)	10.000	20.232	-102.3#	203	0.01
56	MTP	Chlorobenzene	4.000	4.285	-7.1	103	0.01
57	T	1,1,1,2-Tetrachloroethane	4.000	3.825	4.4	99	0.01
58	CT	Ethylbenzene	4.000	4.299	-7.5	102	0.01
59	T	m,p-Xylene	8.000	8.577	-7.2	103	0.01
60	T	o-Xylene	4.000	4.261	-6.5	105	0.01
61	T	Styrene	4.000	3.940	1.5	98	0.00
62	TP	Bromoform	4.000	3.104	22.4#	90	0.01
63	T	Isopropylbenzene	4.000	4.333	-8.3	105	0.01
64	S	Bromofluorobenzene(S)	10.000	19.806	-98.1#	193	0.01
65	T	Bromobenzene	4.000	4.079	-2.0	105	0.01
66	TP	1,1,2,2-Tetrachloroethane	4.000	3.769	5.8	93	0.00
67	T	1,2,3-Trichloropropane	4.000	3.470	13.2	79	0.01
68	T	n-Propylbenzene	4.000	4.445	-11.1	103	0.00
69	T	2-Chlorotoluene	4.000	4.096	-2.4	101	0.01
70	T	4-Chlorotoluene	4.000	4.145	-3.6	103	0.01
71	T	1,3,5-Trimethylbenzene	4.000	4.194	-4.8	104	0.01
72	T	t-Butylbenzene	4.000	4.213	-5.3	106	0.00
73	T	1,2,4-Trimethylbenzene	4.000	4.204	-5.1	102	0.01
74	T	sec-Butylbenzene	4.000	4.346	-8.7	103	0.00
75	T	4-Isopropyltoluene	4.000	4.324	-8.1	104	0.02
76	T	1,3-Dichlorobenzene	4.000	4.078	-2.0	99	0.02
77	I	1,4-Dichlorobenzene-d4(I)	10.000	10.000	0.0	98	0.00
78	T	1,4-Dichlorobenzene	4.000	3.957	1.1	101	0.00
79	T	n-Butylbenzene	4.000	4.149	-3.7	101	0.00
80	T	1,2-Dichlorobenzene	4.000	3.867	3.3	96	0.00
81	T	1,2-Dibromo-3-chloropropane	4.000	2.995	25.1#	85	-0.01
82	T	1,3,5-Trichlorobenzene	4.000	3.767	5.8	96	-0.01
83	T	1,2,4-Trichlorobenzene	4.000	3.712	7.2	94	0.00
84	T	Hexachlorobutadiene	4.000	4.180	-4.5	100	0.00
85	T	Naphthalene	4.000	3.606	9.9	92	0.00
86	T	1,2,3-Trichlorobenzene	4.000	3.552	11.2	92	0.00

Evaluate Continuing Calibration Report

Data File : E:\DATA\12032004\AG19753.D Vial: 3
Acq On : 3 Dec 2004 11:29 am Operator: crf
Sample : 4.0 ug/kg 8260 ccal Inst : VOAInst#3
Misc : Low soil Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene(I)	1.000	1.000	0.0	100	0.00
2	T	Dichlorodifluoromethane	0.542	0.563	-3.9	105	0.00
3	TP	Chloromethane	0.643	0.519	19.3	89	0.00
4	CT	Vinyl Chloride	0.374	0.382	-2.1	99	-0.01
5	T	Bromomethane	0.141	0.154	-9.2	123	-0.01
6	T	Chloroethane	0.175	0.177	-1.1	90	0.00
7	T	Trichlorofluoromethane	0.586	0.512	12.6	96	-0.01
8	CMT	1,1-Dichloroethene	0.455	0.459	-0.9	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.439	0.470	-7.1	108	-0.01
10	T	Carbon Disulfide	1.712	1.992	-16.4	119	-0.02
11	T	Acetone	0.122	0.089#	27.0#	72	0.01
12	t	tert-Butyl alcohol	0.238	0.222	6.7	89	0.00
13	T	Methylene Chloride	0.794	0.632	20.4#	93	-0.01
14	T	Methyl tert-Butyl ether	0.997	0.925	7.2	89	0.01
15	T	trans-1,2-Dichloroethene	0.502	0.527	-5.0	104	0.00
16	T	Hexane	0.393	0.439	-11.7	102	-0.01
17	t	Diisopropyl ether	1.411	1.374	2.6	88	0.01
18	TP	1,1-Dichloroethane	0.842	0.857	-1.8	105	-0.01
19	T	Vinyl Acetate	0.819	0.750	8.4	85	-0.01
20	t	Ethyl tert-butyl ether	0.493	0.471	4.5	93	0.00
21	T	2,2-Dichloropropane	0.663	0.672	-1.4	107	0.00
22	T	cis-1,2-Dichloroethene	0.544	0.549	-0.9	102	-0.01
23	T	2-Butanone	0.012	0.010#	16.7	80	0.01
24	T	Bromochloromethane	0.353	0.366	-3.7	96	0.00
25	CT	Chloroform	0.533	0.519	2.6	97	-0.01
26	T	1,1,1-Trichloroethane	0.696	0.715	-2.7	106	0.00
27	T	Cyclohexane	0.925	0.922	0.3	103	-0.01
28	S	Dibromofluoromethane(S)	0.471	0.908	-92.8#	193	0.00
29	T	Carbon Tetrachloride	0.586	0.536	8.5	93	0.00
30	T	1,1-Dichloropropene	0.621	0.646	-4.0	104	0.00
31	t	tert-Amyl methyl ether	0.994	0.927	6.7	91	0.00
32	MT	Benzene	1.821	1.886	-3.6	103	-0.01
33	T	1,2-Dichloroethane	0.540	0.526	2.6	96	0.00
34	S	Fluorobenzene(S)	1.817	3.519	-93.7#	198	0.00
35	I	1,4-Difluorobenzene(I)	1.000	1.000	0.0	100	0.00
36	S	Trifluorotoluene(S)	0.520	0.571	-9.8	103	0.00
37	MT	Trichloroethene	0.346	0.362	-4.6	104	0.00
38	T	Methylcyclohexane	0.425	0.456	-7.3	103	-0.01
39	CT	1,2-Dichloropropane	0.304	0.307	-1.0	101	0.00
40	T	Dibromomethane	0.181	0.176	2.8	93	0.00
41	T	Bromodichloromethane	0.354	0.329	7.1	92	-0.01
42	T	2-Chloroethyl Vinyl Ether	0.060	0.048#	20.0	68	0.04
43	T	cis-1,3-Dichloropropene	0.403	0.390	3.2	101	-0.01
44	T	4-Methyl-2-pentanone	0.029	0.027#	6.9	94	0.00
45	S	Toluene-d8(S)	1.095	2.157	-97.0#	197	0.00
46	CMT	Toluene	1.267	1.331	-5.1	103	0.00
47	T	trans-1,3-Dichloropropene	0.334	0.322	3.6	100	-0.01
48	T	1,1,2-Trichloroethane	0.227	0.219	3.5	97	-0.01
49	T	Tetrachloroethene	0.280	0.289	-3.2	104	-0.01
50	T	1,3-Dichloropropane	0.359	0.348	3.1	94	0.00
51	T	2-Hexanone	0.011	0.009#	18.2	80	0.00
52	T	Dibromochloromethane	0.227	0.194	14.5	90	0.00
53	T	1,2-Dibromoethane	0.209	0.195	6.7	89	-0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\DATA\12032004\AG19753.D
Acq On : 3 Dec 2004 11:29 am
Sample : 4.0 ug/kg 8260 ccal
Misc : Low soil
MS Integration Params: RTEINT.P

Vial: 3
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
55	S	Ethylbenzene-d10(S)	7.329	14.829	-102.3#	203#	0.01
56	MTP	Chlorobenzene	4.570	4.896	-7.1	103	0.01
57	T	1,1,1,2-Tetrachloroethane	1.477	1.412	4.4	99	0.01
58	CT	Ethylbenzene	7.293	7.837	-7.5	102	0.01
59	T	m,p-Xylene	2.919	3.129	-7.2	103	0.01
60	T	o-Xylene	5.618	5.985	-6.5	105	0.01
61	T	Styrene	4.439	4.372	1.5	98	0.00
62	TP	Bromoform	0.707	0.549	22.3#	90	0.01
63	T	Isopropylbenzene	7.096	7.687	-8.3	105	0.01
64	S	Bromofluorobenzene(S)	1.884	3.732	-98.1#	193	0.01
65	T	Bromobenzene	1.860	1.897	-2.0	105	0.01
66	TP	1,1,2,2-Tetrachloroethane	2.203	2.076	5.8	93	0.00
67	T	1,2,3-Trichloropropane	0.400	0.326	18.5	79	0.01
68	T	n-Propylbenzene	8.699	9.666	-11.1	103	0.00
69	T	2-Chlorotoluene	1.855	1.900	-2.4	101	0.01
70	T	4-Chlorotoluene	1.847	1.914	-3.6	103	0.01
71	T	1,3,5-Trimethylbenzene	5.807	6.089	-4.9	104	0.01
72	T	t-Butylbenzene	5.386	5.673	-5.3	106	0.00
73	T	1,2,4-Trimethylbenzene	5.900	6.200	-5.1	102	0.01
74	T	sec-Butylbenzene	7.488	8.136	-8.7	103	0.00
75	T	4-Isopropyltoluene	6.539	7.069	-8.1	104	0.02
76	T	1,3-Dichlorobenzene	3.532	3.601	-2.0	99	0.02
77	I	1,4-Dichlorobenzene-d4(I)	1.000	1.000	0.0	98	0.00
78	T	1,4-Dichlorobenzene	1.674	1.656	1.1	101	0.00
79	T	n-Butylbenzene	0.768	0.797	-3.8	101	0.00
80	T	1,2-Dichlorobenzene	1.544	1.493	3.3	96	0.00
81	T	1,2-Dibromo-3-chloropropane	0.092	0.069#	25.0#	85	-0.01
82	T	1,3,5-Trichlorobenzene	1.309	1.233	5.8	96	-0.01
83	T	1,2,4-Trichlorobenzene	1.142	1.060	7.2	94	0.00
84	T	Hexachlorobutadiene	0.753	0.748	0.7	100	0.00
85	T	Naphthalene	2.014	1.816	9.8	92	0.00
86	T	1,2,3-Trichlorobenzene	1.085	0.963	11.2	92	0.00

METHOD BLANK

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19695.D
Acq On : 1 Dec 2004 11:20 pm
Sample : MB voa1052
Misc : 1249-62-22
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:20:15 2004

Vial: 26
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	822803	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1241724	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	239707	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	523659	10.00	ug/L	0.00

System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	353900	10.25	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 102.50%			
40) Fluorobenzene(S)	7.23	96	1382515	10.77	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 107.70%#			
42) Trifluorotoluene(S)	7.96	146	580078	9.52	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 95.20%			
53) Toluene-d8(S)	9.02	98	1314633	10.71	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 107.10%#			
63) Ethylbenzene-d10(S)	10.74	98	1660000	11.26	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 112.60%#			
72) Bromofluorobenzene(S)	12.09	174	438465	9.93	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 99.30%			

Target Compounds						Qvalue
3) Chloromethane	1.88	50	11943	0.20	ug/L	93
5) Bromomethane	2.46	94	2064	~~0.35 ug/L~~	ND	42
32) Cyclohexane	6.53	56	11763	~~0.20 ug/L~~	#	11
64) Chlorobenzene	10.73	112	14061	~~0.14 ug/L~~	#	1
70) Bromoform	11.72	173	196	~~0.15 ug/L~~	#	4
86) 1,4-Dichlorobenzene	13.51	146	1575	~~0.02 ug/L~~	#	1
90) 1,3,5-Trichlorobenzene	15.19	180	1769	0.04	ug/L #	68
93) Naphthalene	16.26	128	13588	0.13	ug/L	84

(8) 12/13/2004

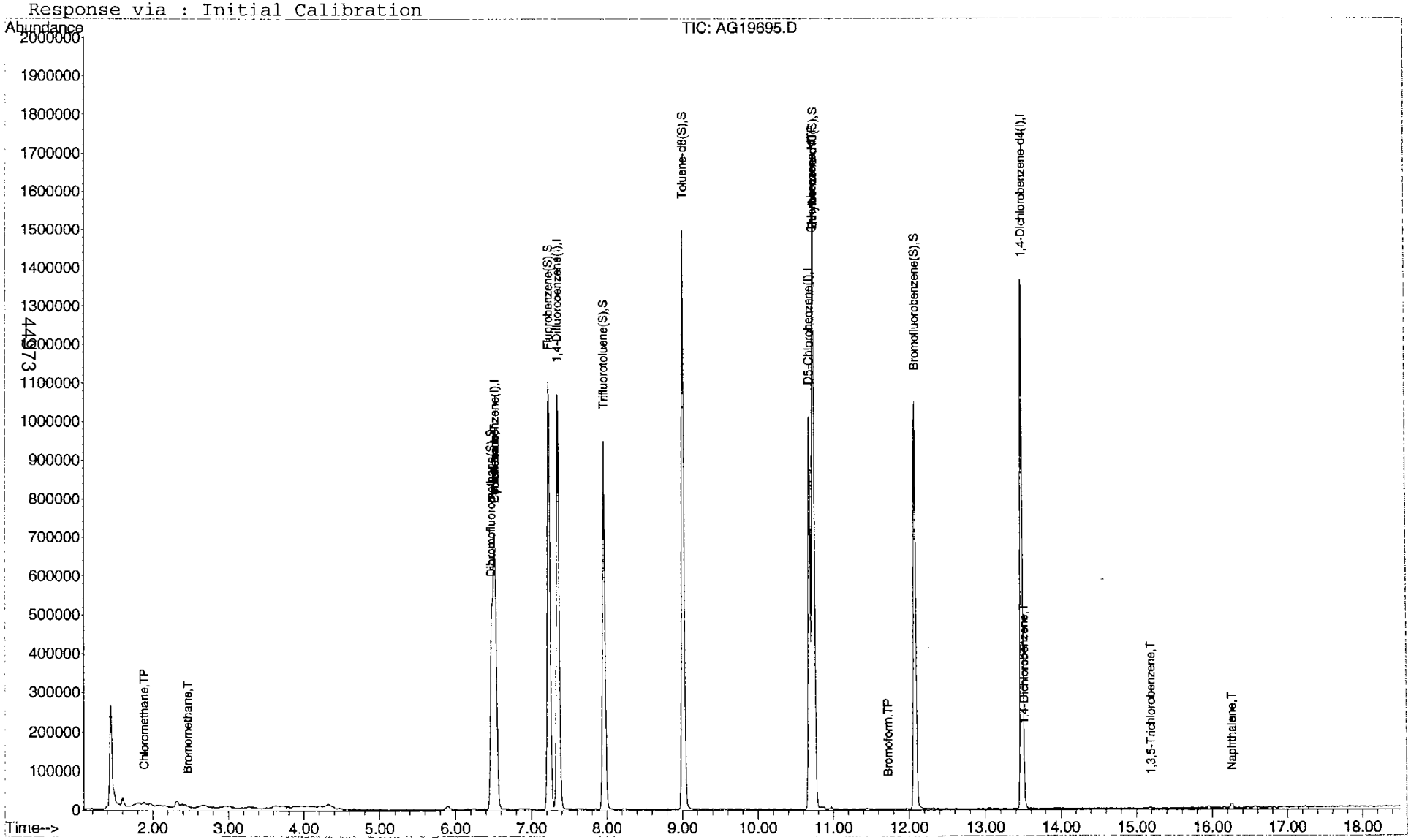
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

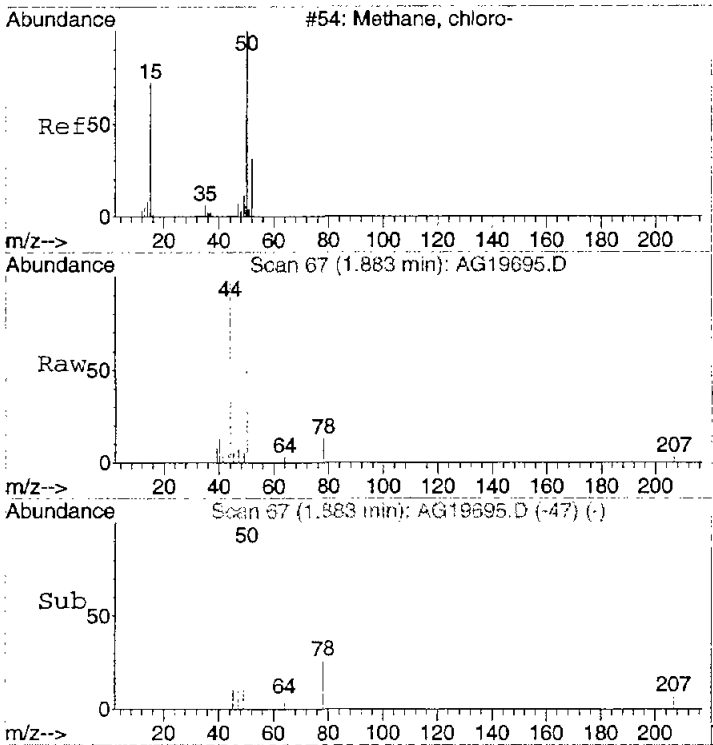
Data File : E:\DATA\12012004\AG19695.D
Acq On : 1 Dec 2004 11:20 pm
Sample : MB voa1052
Misc : 1249-62-22
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:20 2004

Vial: 26
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



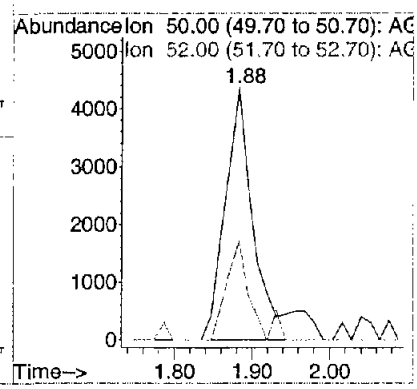
44473
00466

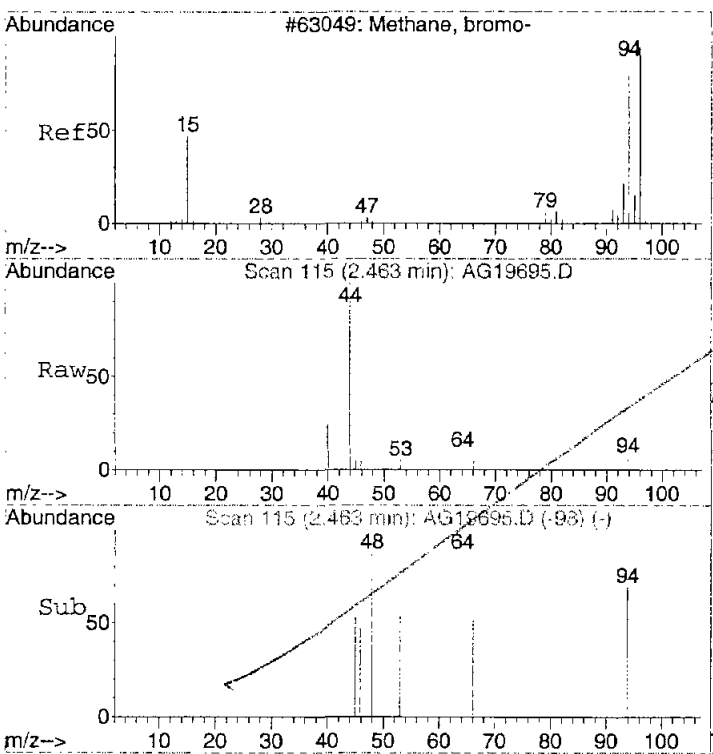


#3
Chloromethane
Concen: 0.20 ug/L
RT: 1.88 min Scan# 67
Delta R.T. 0.00 min
Lab File: AG19695.D
Acq: 1 Dec 2004 11:20 pm

Tgt Ion: 50 Resp: 11943

Ion	Ratio	Lower	Upper
50	100		
52	28.1	1.8	61.8

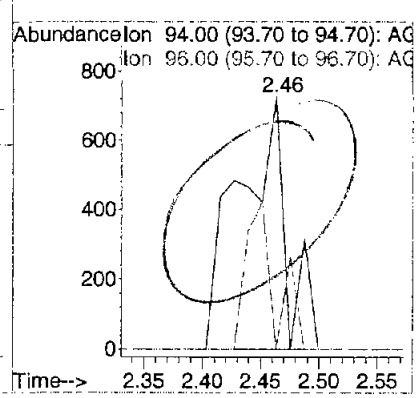


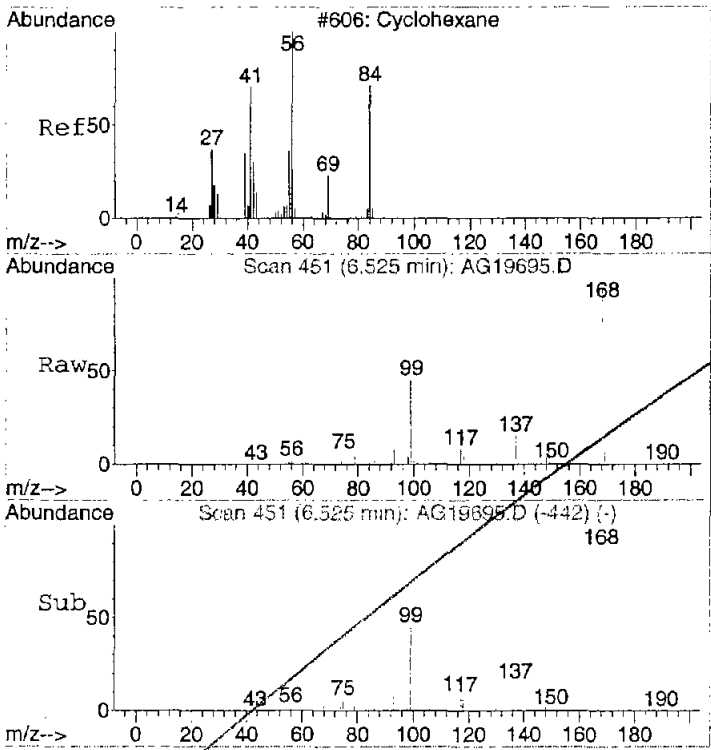


#5
Bromomethane
Concen: 0.35 ug/L
RT: 2.46 min Scan# 115
Delta R.T. 0.02 min
Lab File: AG19695.D
Acq: 1 Dec 2004 11:20 pm

Tgt Ion: 94 Resp: 2064

Ion	Ratio	Lower	Upper
94	100		
96	35.9	61.3	121.3#

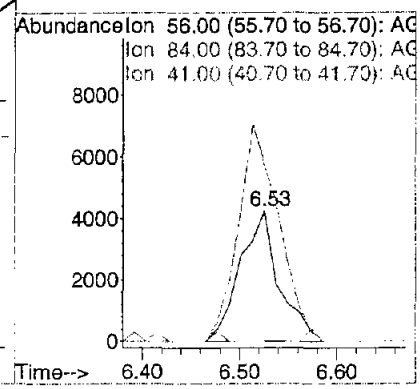


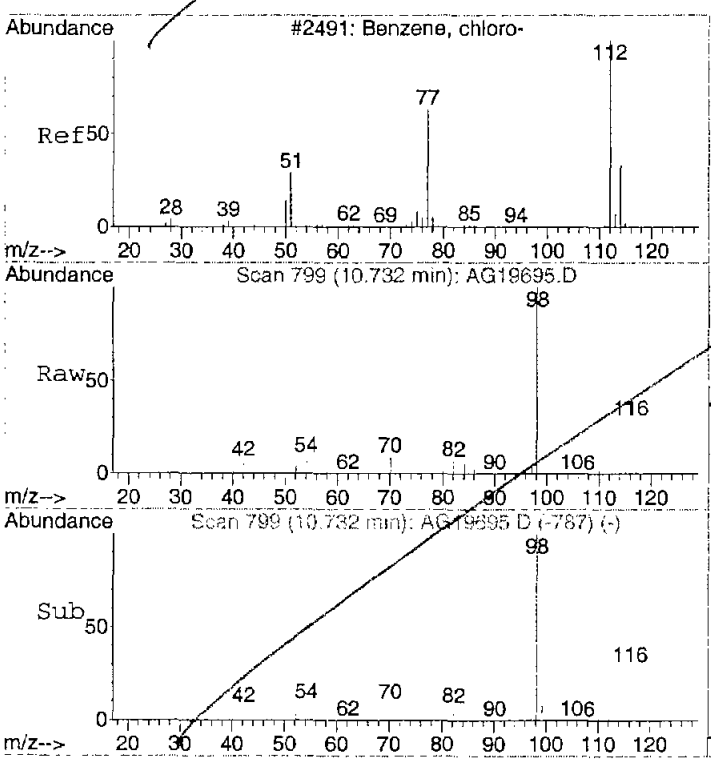


#32
Cyclohexane
Concen: 0.20 ug/L
RT: 6.53 min Scan# 451
Delta R.T. -0.01 min
Lab File: AG19695.D
Acq: 1 Dec 2004 11:20 pm

Tgt Ion: 56 Resp: 11763

Ion	Ratio	Lower	Upper
56	100		
84	173.4	53.0	113.0#
41	1.6	17.6	77.6#

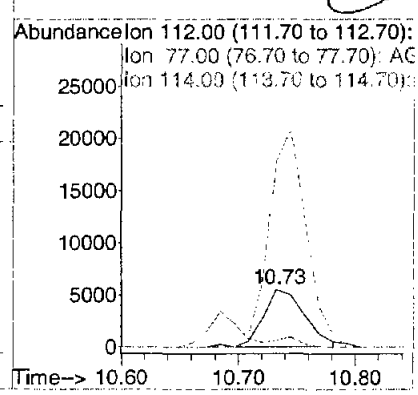


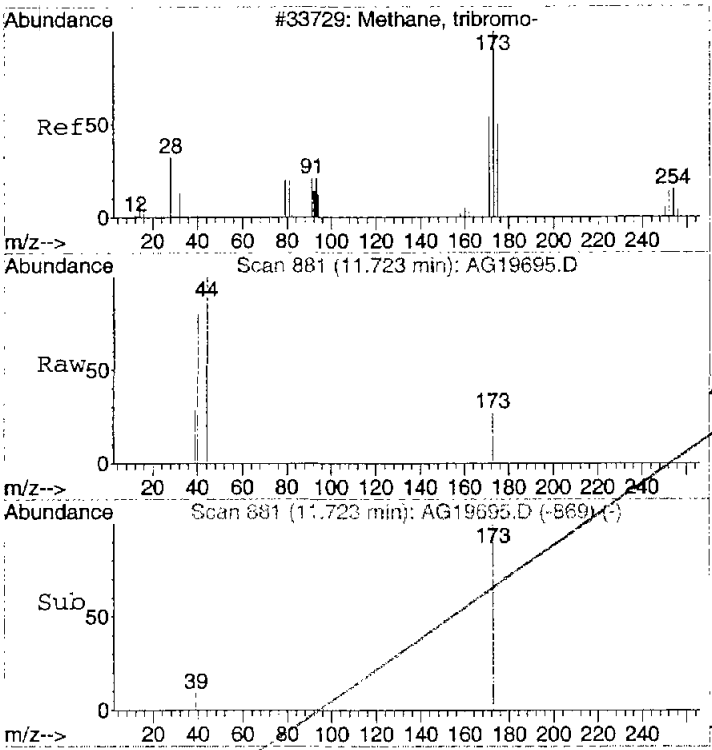


#64
Chlorobenzene
Concen: 0.14 ug/L
RT: 10.73 min Scan# 799
Delta R.T. 0.02 min
Lab File: AG19695.D
Acq: 1 Dec 2004 11:20 pm

Tgt Ion:112 Resp: 14061

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.7	84.7#
114	329.7	4.7	64.7#

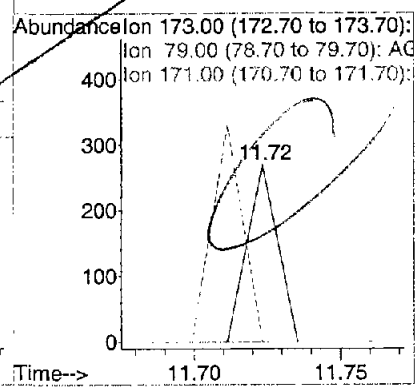


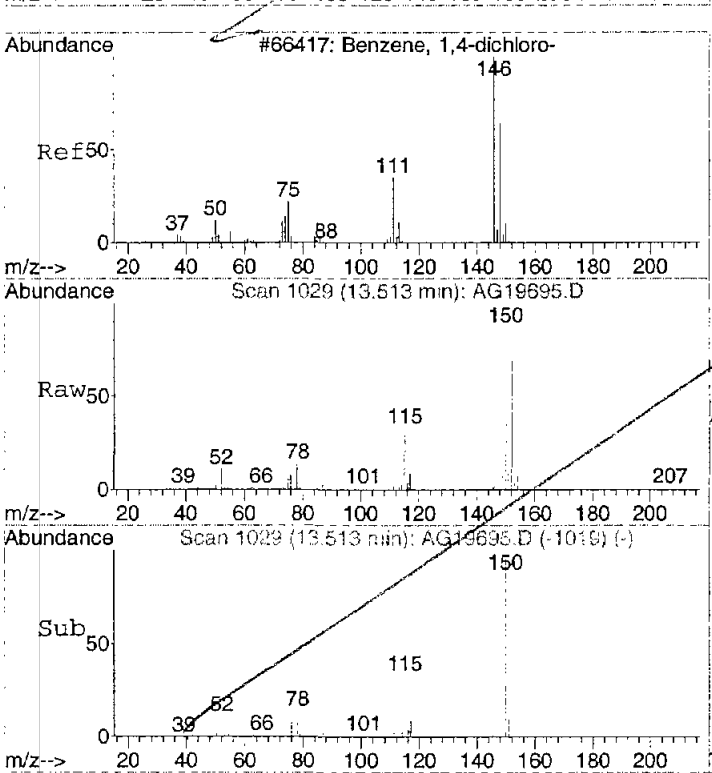


#70
Bromoform
Concen: 0.15 ug/L
RT: 11.72 min Scan# 881
Delta R.T. 0.03 min
Lab File: AG19695.D
Acq: 1 Dec 2004 11:20 pm

Tgt Ion:173 Resp: 196

Ion	Ratio	Lower	Upper
173	100		
79	0.0	0.0	44.3
171	122.4	16.2	76.2#

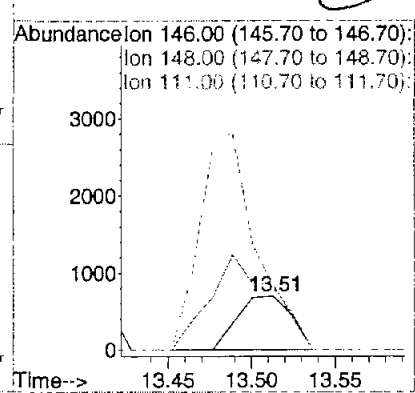


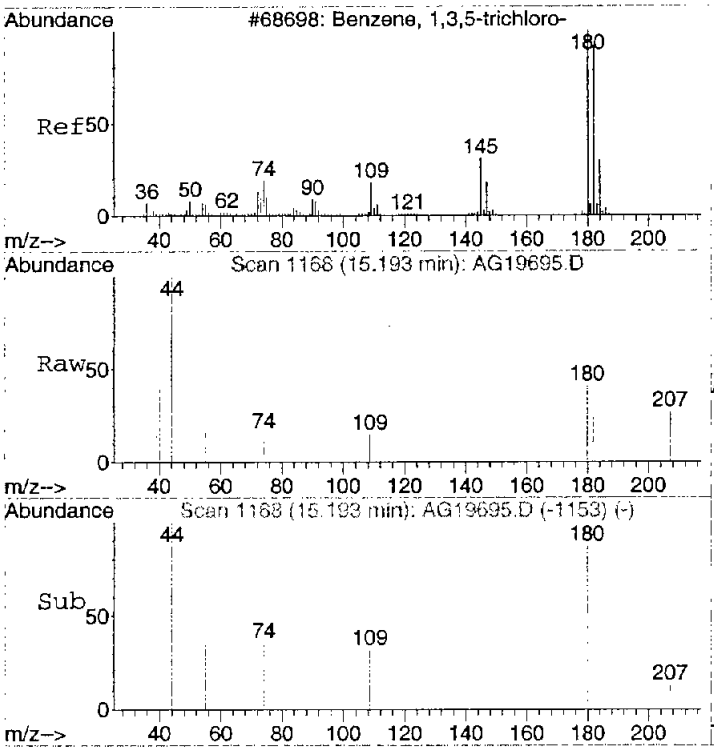


#86
1,4-Dichlorobenzene
Concen: 0.02 ug/L
RT: 13.51 min Scan# 1029
Delta R.T. 0.00 min
Lab File: AG19695.D
Acq: 1 Dec 2004 11:20 pm

Tgt Ion:146 Resp: 1575

Ion	Ratio	Lower	Upper
146	100		
148	204.6	32.0	92.0#
111	420.1	6.2	66.2#

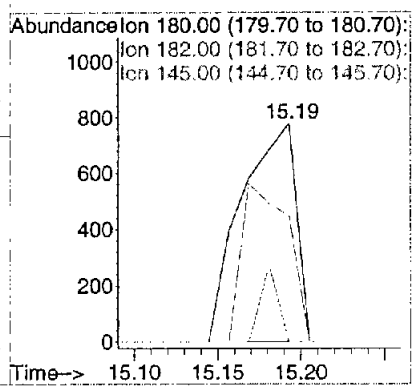


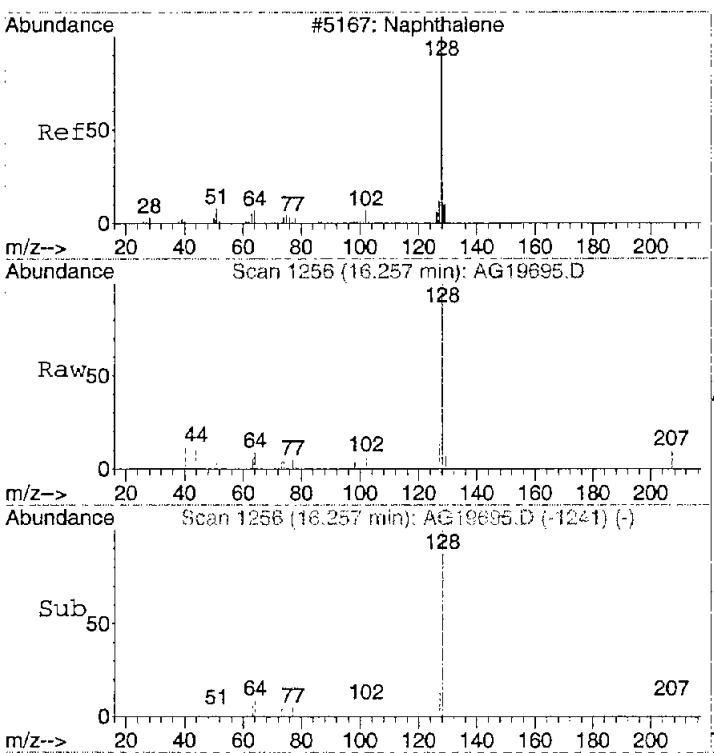


#90
1,3,5-Trichlorobenzene
Concen: 0.04 ug/L
RT: 15.19 min Scan# 1168
Delta R.T. 0.00 min
Lab File: AG19695.D
Acq: 1 Dec 2004 11:20 pm

Tgt Ion:180 Resp: 1769

Ion	Ratio	Lower	Upper
180	100		
182	61.6	63.3	123.3#
145	11.2	0.0	54.8

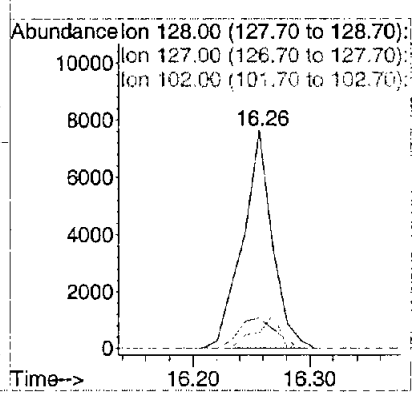




#93
Naphthalene
Concen: 0.13 ug/L
RT: 16.26 min Scan# 1256
Delta R.T. 0.00 min
Lab File: AG19695.D
Acq: 1 Dec 2004 11:20 pm

Tgt Ion:128 Resp: 13588

Ion	Ratio	Lower	Upper
128	100		
127	17.4	0.0	42.2
102	13.5	0.0	36.6



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19757.D Vial: 7
Acq On : 3 Dec 2004 1:38 pm Operator: crf
Sample : MB voa1056 Inst : VOAInst#3
Misc : Low soil Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 06 10:39:54 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	877525	10.00 ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1293590	10.00 ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	251458	10.00 ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	534199	10.00 ug/Kg	0.00

System Monitoring Compounds					
28) Dibromofluoromethane(S)	6.48	111	407806	9.86 ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery	= 98.60%	
34) Fluorobenzene(S)	7.23	96	1398940	8.77 ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	= 87.70%#	
36) Trifluorotoluene(S)	7.96	146	1454854	21.61 ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery	= 108.05%	
45) Toluene-d8(S)	9.02	98	1375357	9.71 ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery	= 97.10%	
55) Ethylbenzene-d10(S)	10.74	98	1717783	9.32 ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery	= 93.20%	
64) Bromofluorobenzene(S)	12.09	174	458605	9.68 ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery	= 96.80%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.67	85	6965	~~0.15 ug/Kg#~~	1
3) Chloromethane	1.87	50	9232	Below Cal	81
5) Bromomethane	2.40	94	8313	0.58 ug/Kg	91
7) Trichlorofluoromethane	2.91	101	1499	Below Cal #	55
11) Acetone	3.73	43	445360	60.93 ug/Kg	89
13) Methylene Chloride	4.31	49	137241	1.99 ug/Kg	98
16) Hexane	5.00	56	35540497	1114.30 ug/Kg#	1
21) 2,2-Dichloropropane	5.94	77	7726	~~0.13 ug/Kg#~~	49
23) 2-Butanone	5.93	57	5869	5.10 ug/Kg#	61
27) Cyclohexane	6.51	56	22759	~~0.28 ug/Kg#~~	50
32) Benzene	6.92	78	10212	0.06 ug/Kg	82
39) 1,2-Dichloropropane	7.95	63	49600	~~1.26 ug/Kg#~~	54
46) Toluene	9.09	91	24673	0.15 ug/Kg	94
48) 1,1,2-Trichloroethane	9.52	97	8543	~~0.29 ug/Kg#~~	17
56) Chlorobenzene	10.74	112	15686	~~0.14 ug/Kg#~~	1
58) Ethylbenzene	10.83	91	7691	0.04 ug/Kg	97
59) m,p-Xylene	10.97	106	9896	0.13 ug/Kg	94
60) o-Xylene	11.43	91	5360	0.04 ug/Kg	76
61) Styrene	11.47	104	9134	0.08 ug/Kg	96
67) 1,2,3-Trichloropropane	12.24	110	2612	Below Cal	78
73) 1,2,4-Trimethylbenzene	13.08	105	19567	~~0.13 ug/Kg#~~	40
81) 1,2-Dibromo-3-chloropropan	14.91	75	641	~~0.13 ug/Kg#~~	45
84) Hexachlorobutadiene	16.14	225	354	Below Cal #	51

(1) placed

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AG19757.D 11022004_LOWSOIL_8260.M Mon Dec 06 10:39:56 2004 Page 1

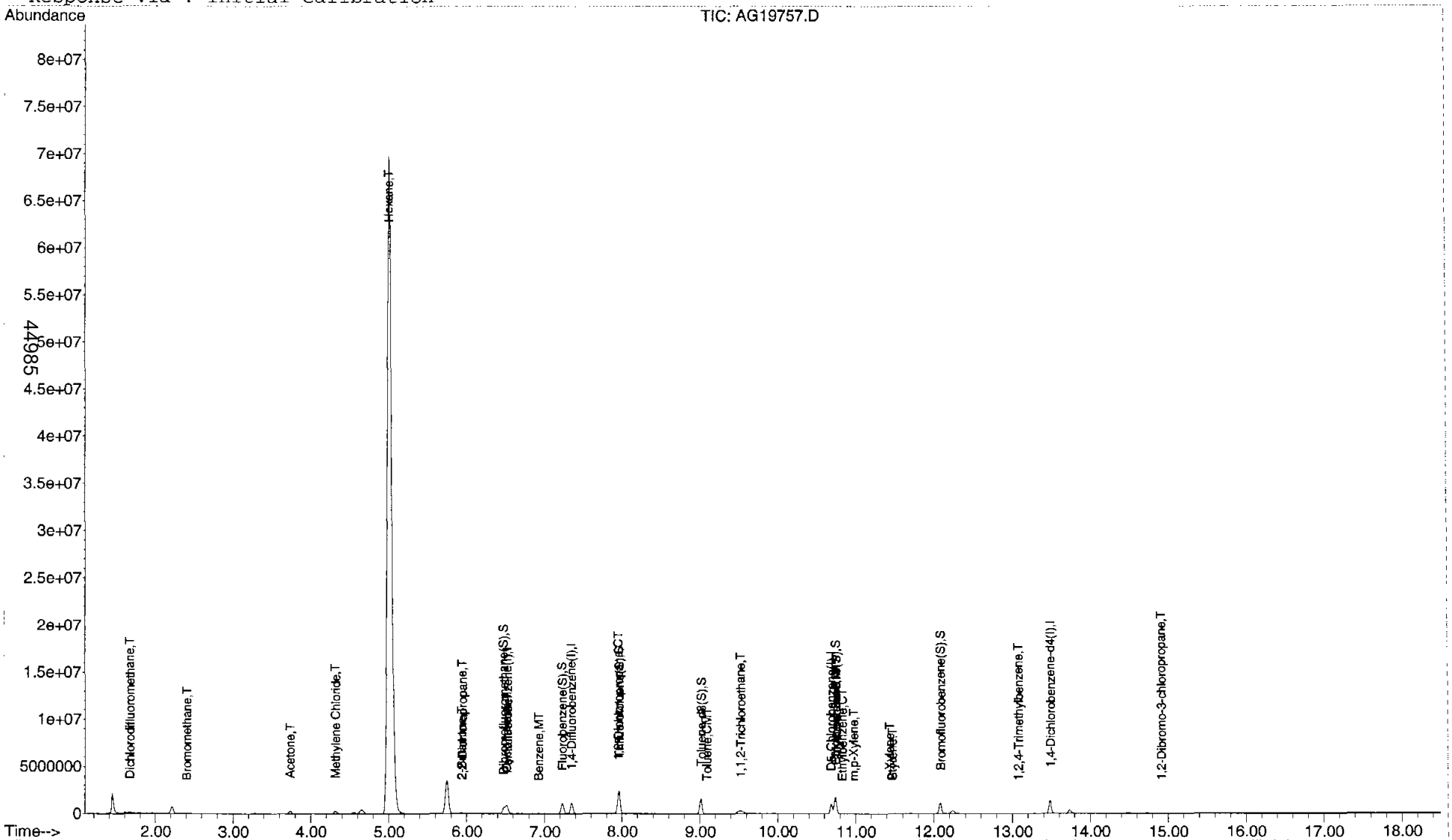
00471

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12032004\AG19757.D
Acq On : 3 Dec 2004 1:38 pm
Sample : MB voa1056
Misc : Low soil
MS Integration Params: RTEINT.P
Quant Time: Dec 6 10:39 2004

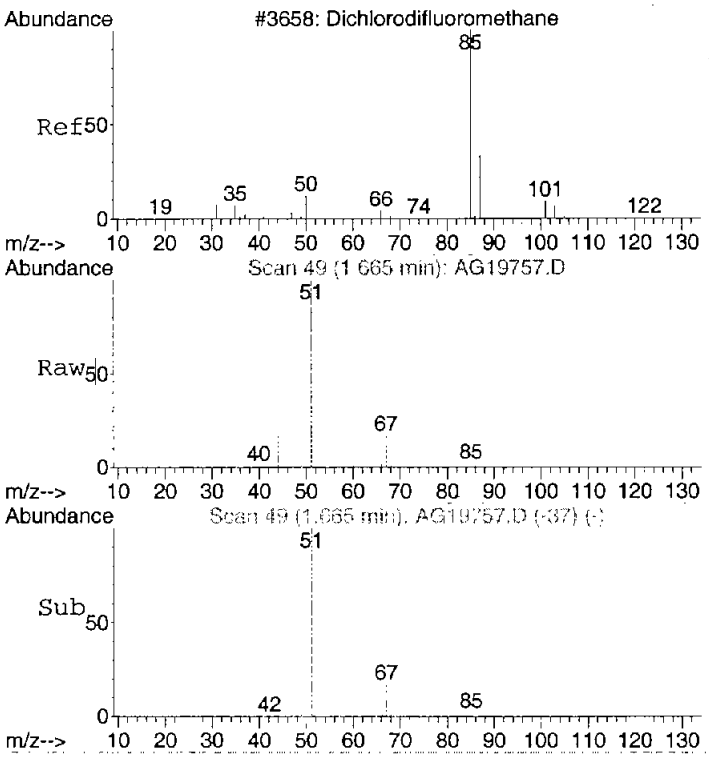
Vial: 7
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration



44685

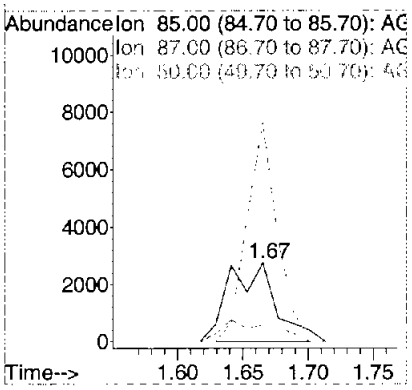
00472

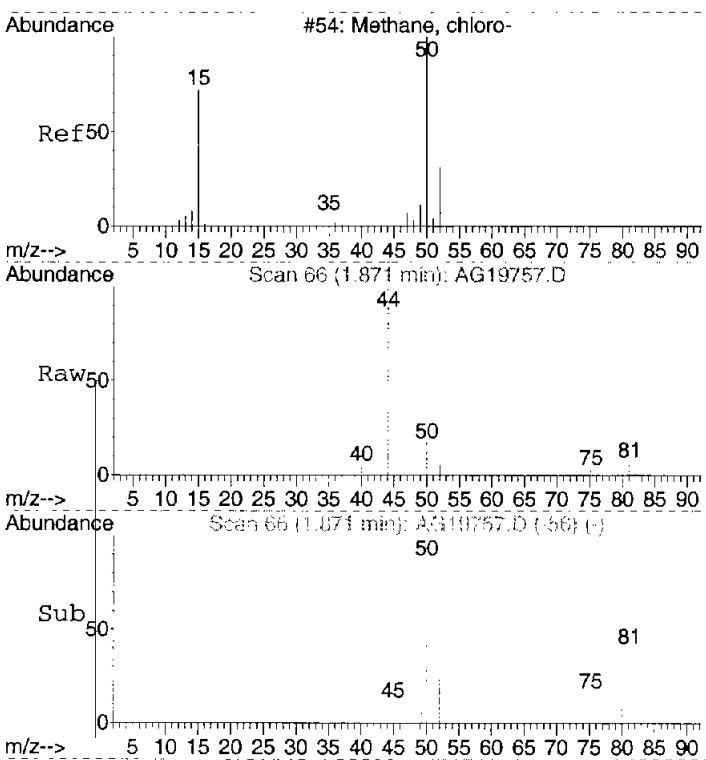


#2
Dichlorodifluoromethane
Concen: 0.15 ug/Kg
RT: 1.67 min Scan# 49
Delta R.T. 0.02 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 85 Resp: 6965

Ion	Ratio	Lower	Upper
85	100		
87	29.9	1.5	61.5
50	179.1	0.0	40.1#

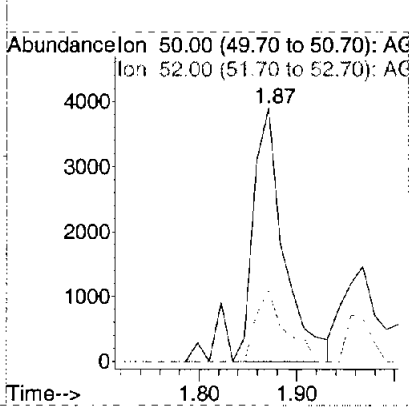


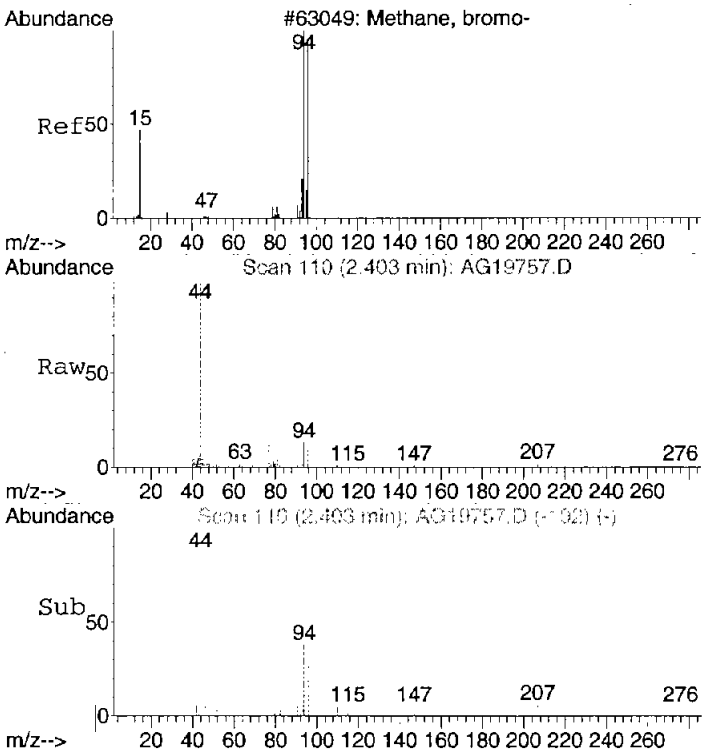


#3
Chloromethane
Concen: Below Cal
RT: 1.87 min Scan# 66
Delta R.T. 0.00 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 50 Resp: 9232

Ion	Ratio	Lower	Upper
50	100		
52	24.5	5.5	65.5

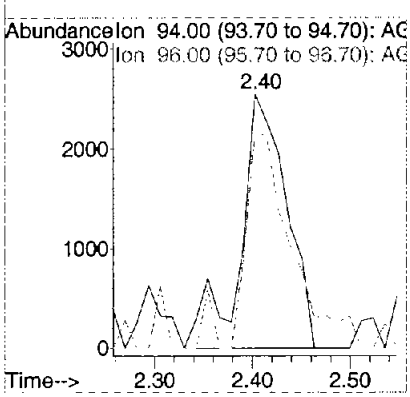


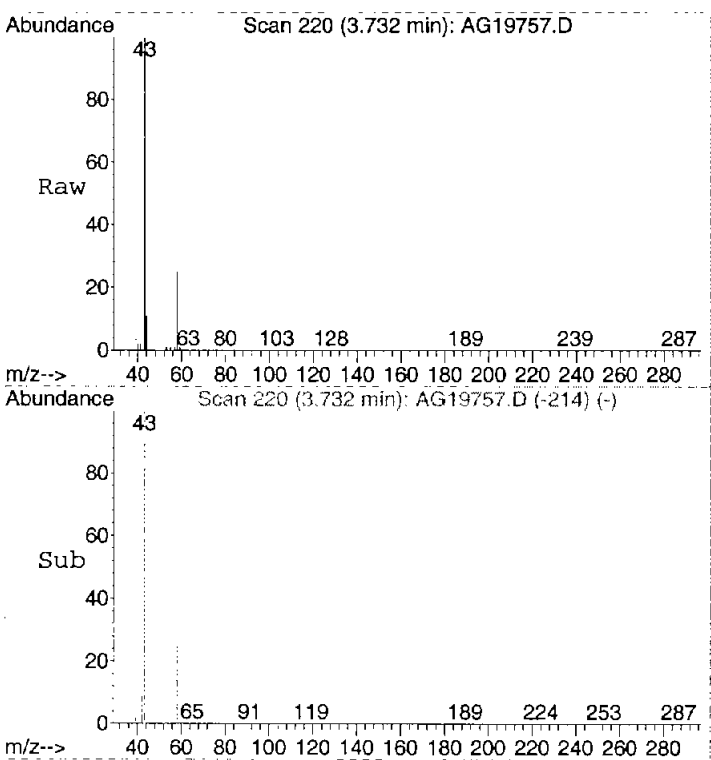


#5
Bromomethane
Concen: 0.58 ug/Kg
RT: 2.40 min Scan# 110
Delta R.T. -0.02 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 94 Resp: 8313

Ion	Ratio	Lower	Upper
94	100		
96	83.5	62.5	122.5

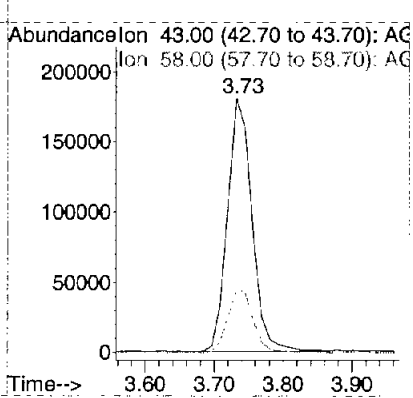


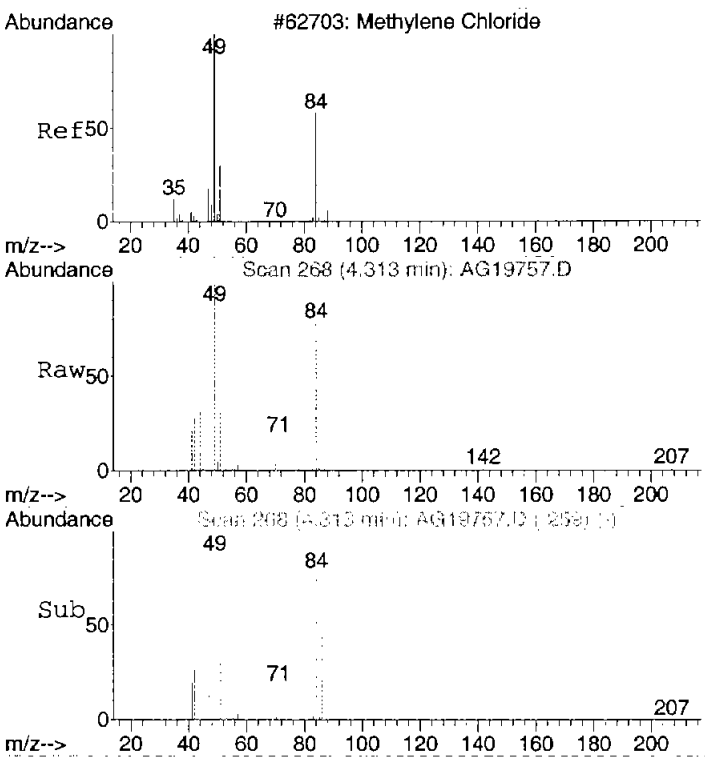


#11
Acetone
Concen: 60.93 ug/Kg
RT: 3.73 min Scan# 220
Delta R.T. 0.01 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 43 Resp: 445360

Ion	Ratio	Lower	Upper
43	100		
58	26.3	2.4	62.4

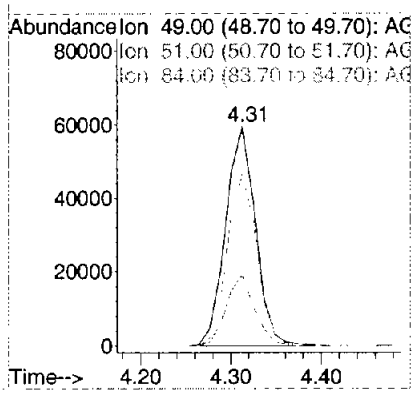


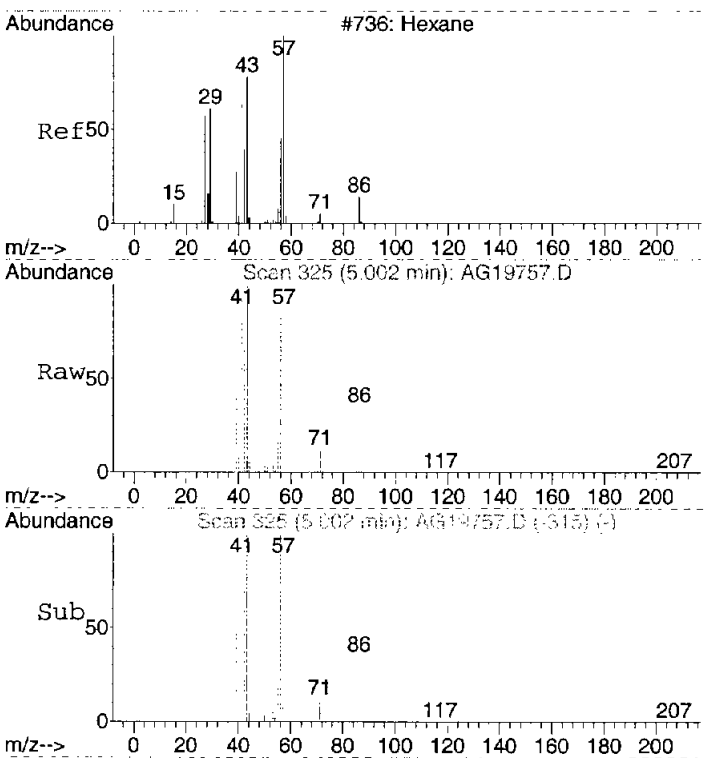


#13
Methylene Chloride
Concen: 1.99 ug/Kg
RT: 4.31 min Scan# 268
Delta R.T. -0.01 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 49 Resp: 137241

Ion	Ratio	Lower	Upper
49	100		
51	31.0	0.0	59.0
84	78.1	49.0	109.0

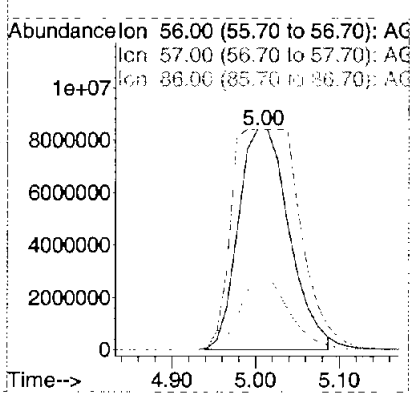


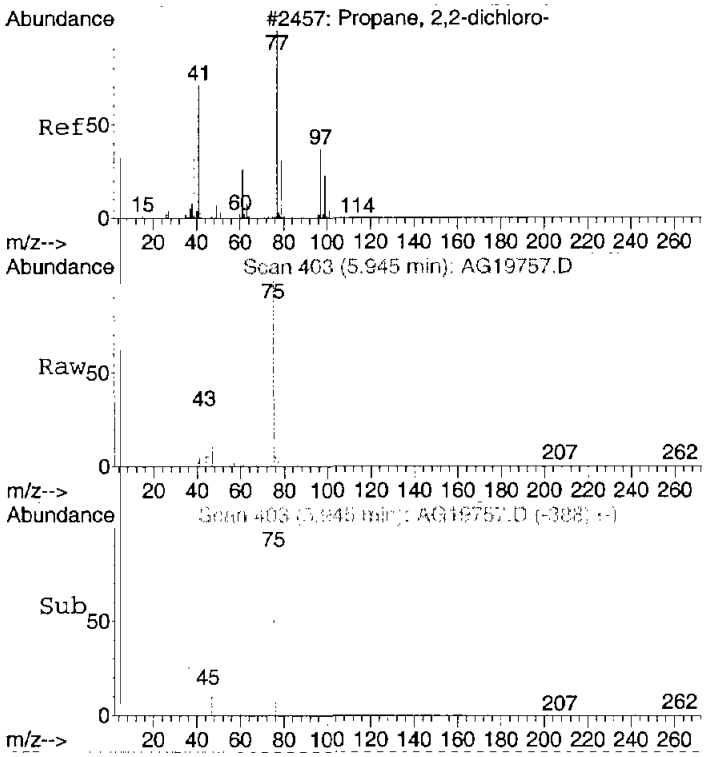


#16
Hexane
Concen: 1114.30 ug/Kg
RT: 5.00 min Scan# 325
Delta R.T. -0.00 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 56 Resp:35540497

Ion	Ratio	Lower	Upper
56	100		
57	0.0	147.6	207.6#
86	32.1	1.8	61.8

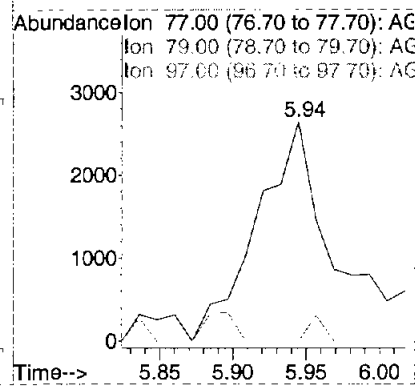


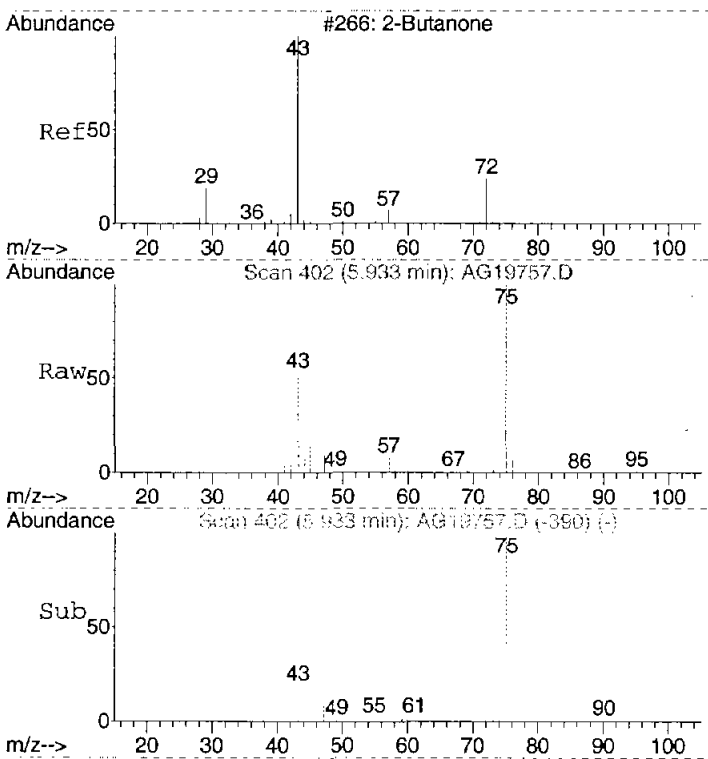


#21
2,2-Dichloropropane
Concen: 0.13 ug/Kg
RT: 5.94 min Scan# 403
Delta R.T. 0.06 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 77 Resp: 7726

Ion	Ratio	Lower	Upper
77	100		
79	3.0	3.0	63.0#
97	0.0	0.0	53.9

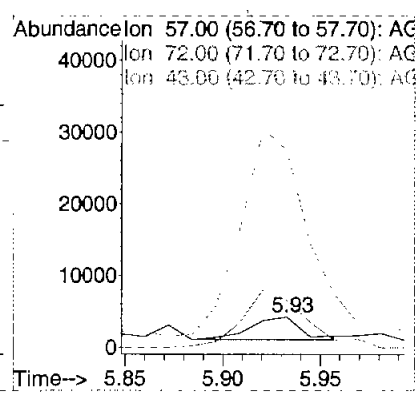


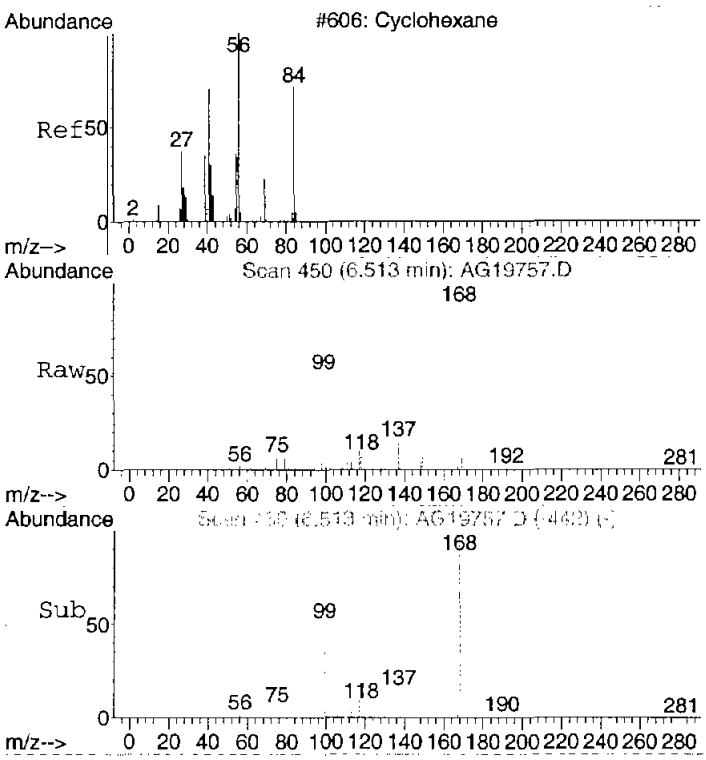


#23
2-Butanone
Concen: 5.10 ug/Kg
RT: 5.93 min Scan# 402
Delta R.T. 0.02 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 57 Resp: 5869

Ion	Ratio	Lower	Upper
57	100		
72	305.4	339.1	399.1#
43	1196.7	1410.1	1470.1#

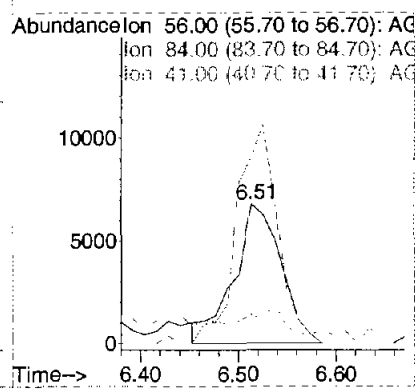


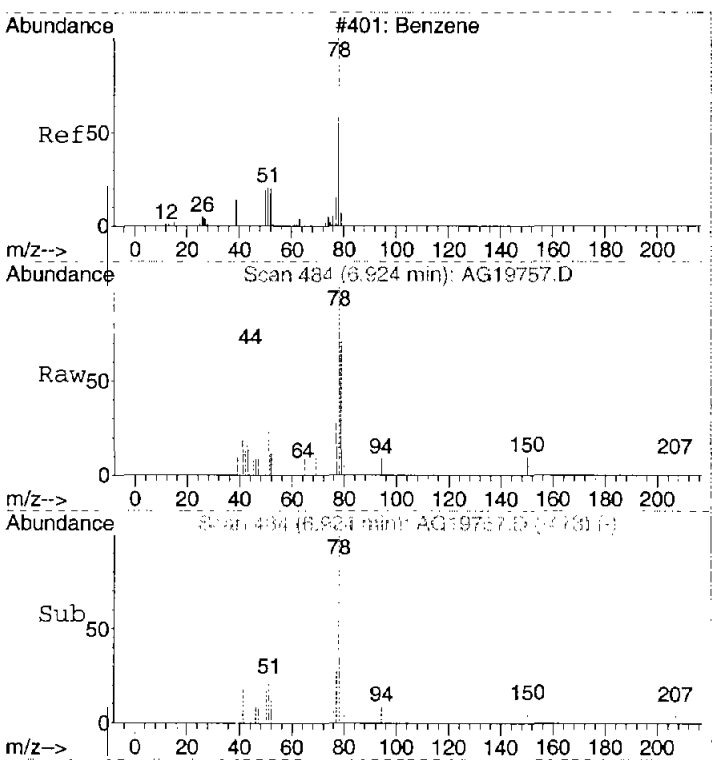


#27
Cyclohexane
Concen: 0.28 ug/Kg
RT: 6.51 min Scan# 450
Delta R.T. -0.02 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 56 Resp: 22759

Ion	Ratio	Lower	Upper
56	100		
84	135.8	59.6	119.6#
41	14.9	21.7	81.7#

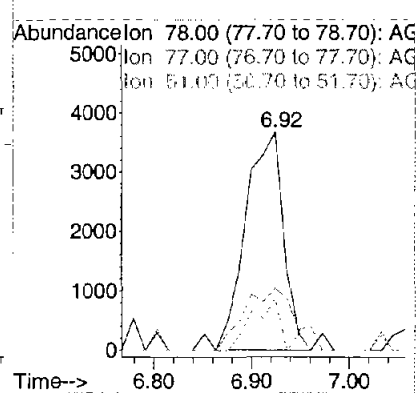


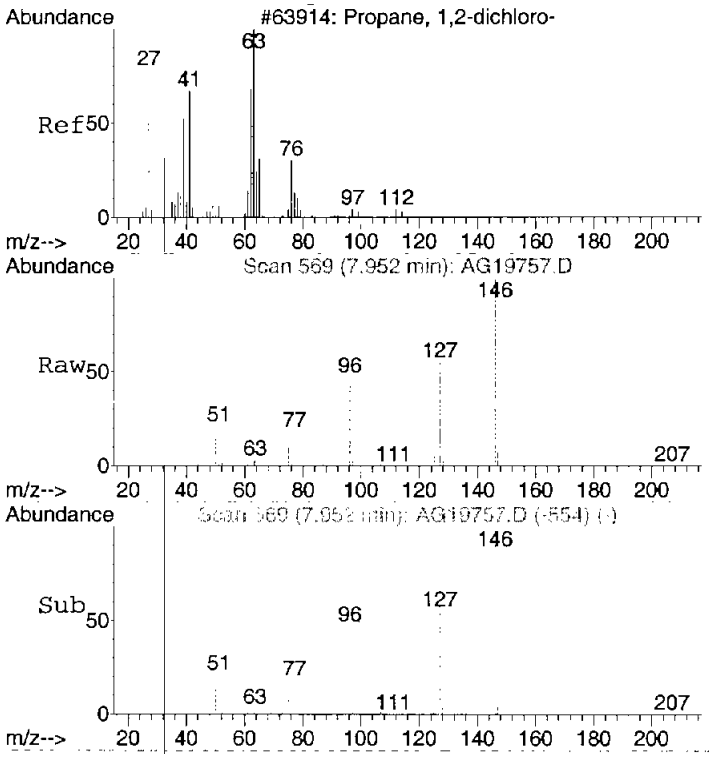


#32
Benzene
Concen: 0.06 ug/Kg
RT: 6.92 min Scan# 484
Delta R.T. 0.01 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 78 Resp: 10212

Ion	Ratio	Lower	Upper
78	100		
77	37.1	0.0	53.2
51	18.4	0.0	46.6

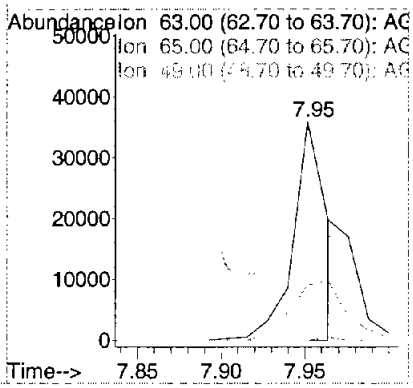


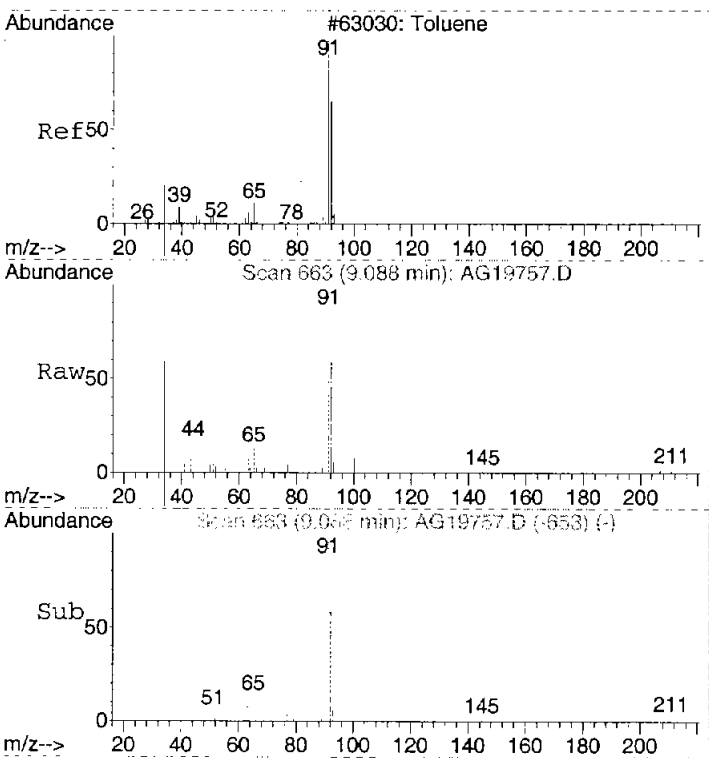


#39
1,2-Dichloropropane
Concen: 1.26 ug/Kg
RT: 7.95 min Scan# 569
Delta R.T. 0.06 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 63 Resp: 49600

Ion	Ratio	Lower	Upper
63	100		
65	0.0	0.0	57.0
49	0.0	0.0	43.4

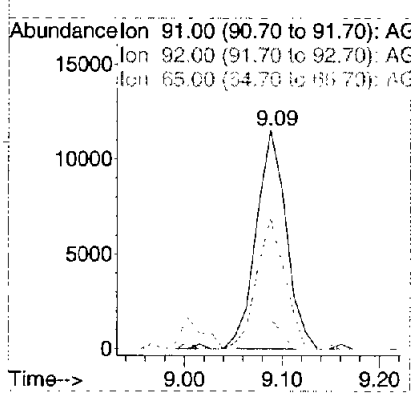


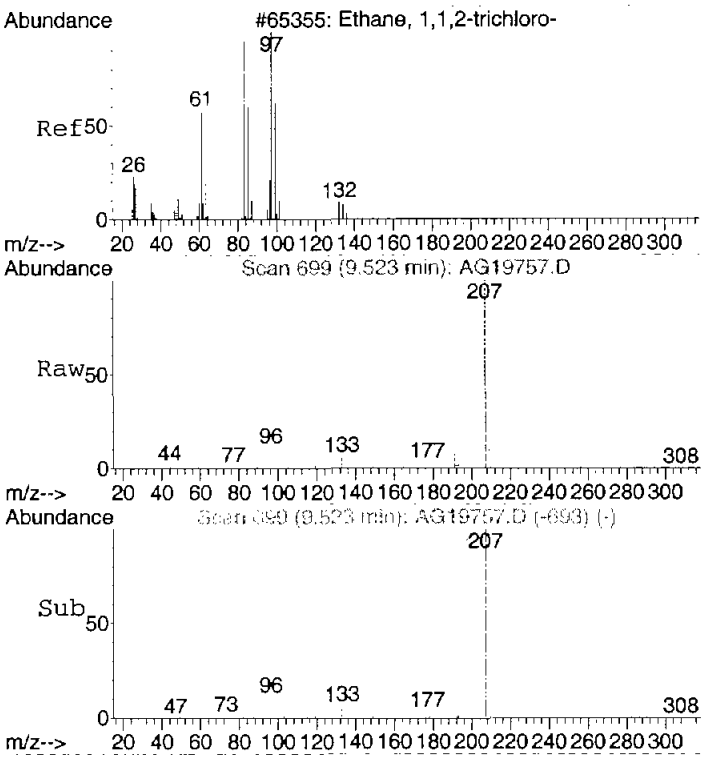


#46
Toluene
Concen: 0.15 ug/Kg
RT: 9.09 min Scan# 663
Delta R.T. -0.00 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 91 Resp: 24673

Ion	Ratio	Lower	Upper
91	100		
92	56.2	31.1	91.1
65	11.5	0.0	41.0

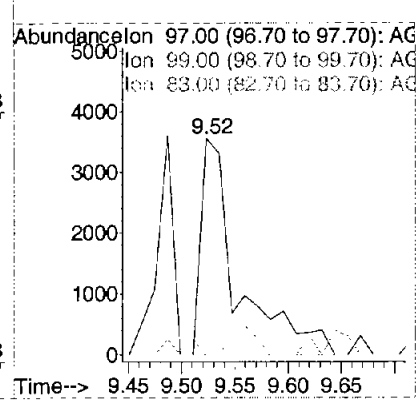


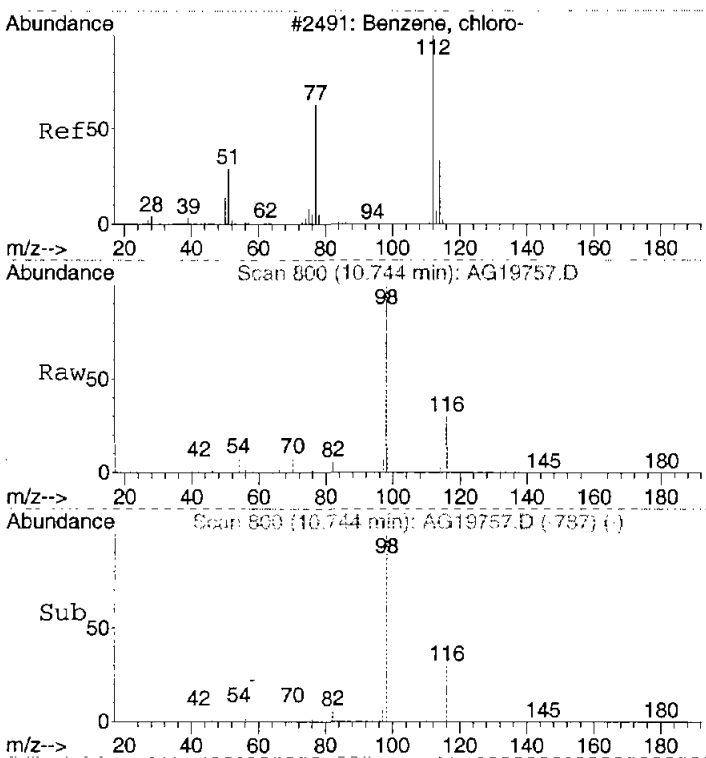


#48
1,1,2-Trichloroethane
Concen: 0.29 ug/Kg
RT: 9.52 min Scan# 699
Delta R.T. -0.05 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 97 Resp: 8543

Ion	Ratio	Lower	Upper
97	100		
99	0.0	37.2	97.2#
83	9.2	53.2	113.2#

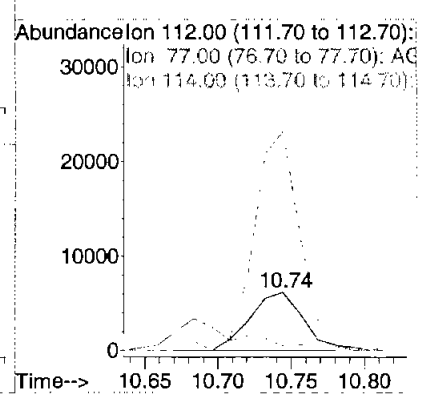


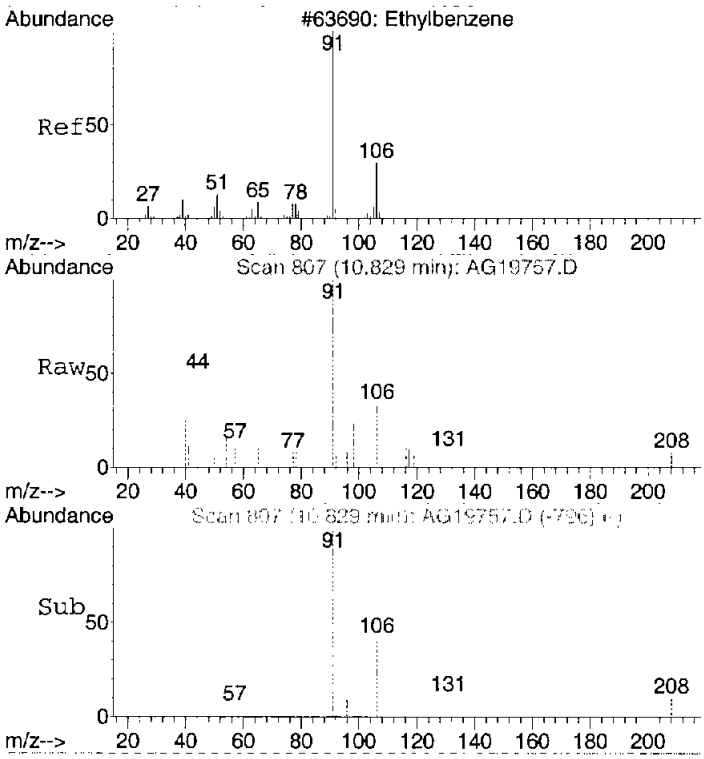


#56
Chlorobenzene
Concen: 0.14 ug/Kg
RT: 10.74 min Scan# 800
Delta R.T. 0.04 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion:112 Resp: 15686

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.8	84.8#
114	322.2	3[illegible].0	63.0#

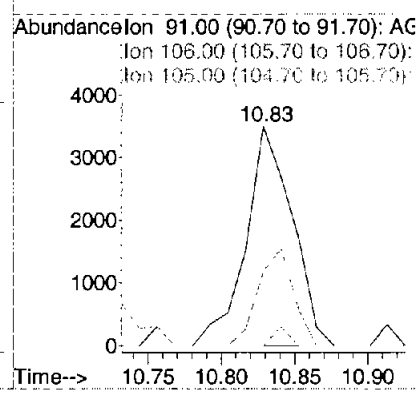


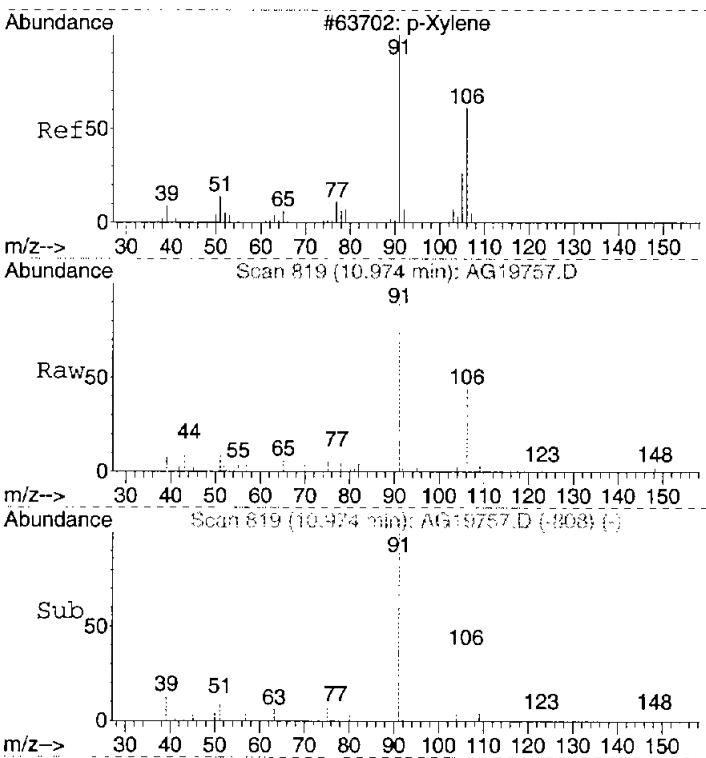


#58
Ethylbenzene
Concen: 0.04 ug/Kg
RT: 10.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 91 Resp: 7691

Ion	Ratio	Lower	Upper
91	100		
106	33.7	2.3	62.3
105	2.9	0.0	34.8

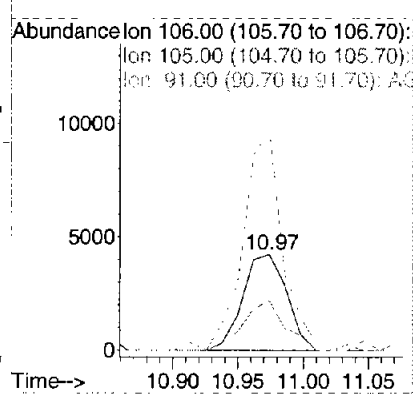


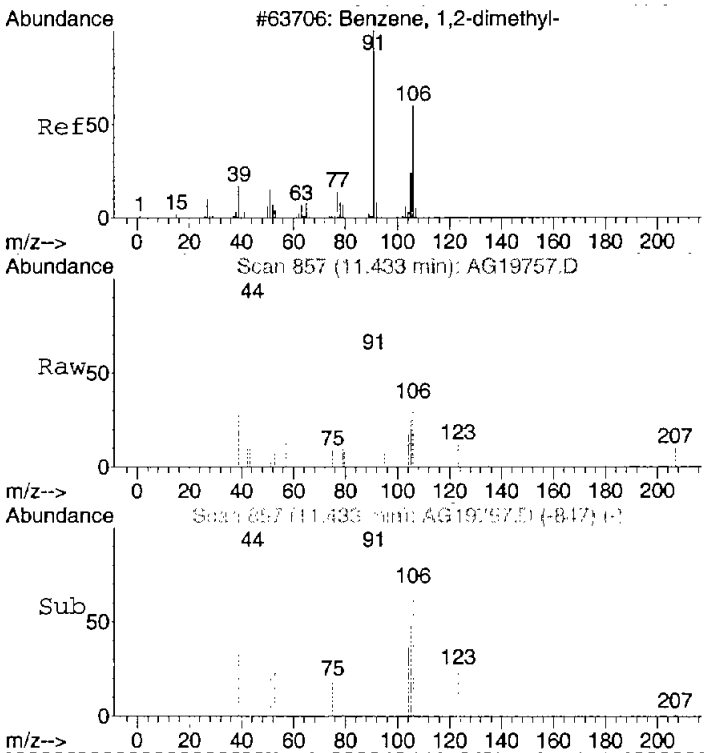


#59
m,p-Xylene
Concen: 0.13 ug/Kg
RT: 10.97 min Scan# 819
Delta R.T. 0.01 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion:106 Resp: 9896

Ion	Ratio	Lower	Upper
106	100		
105	50.0	15.7	75.7
91	204.7	165.6	225.6

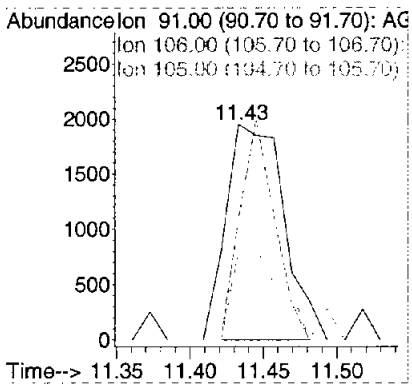


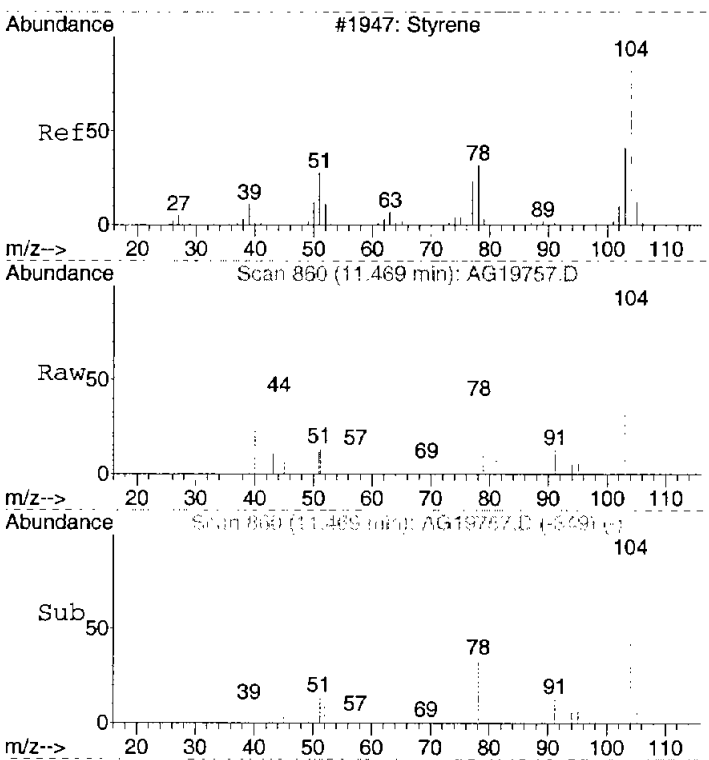


#60
o-Xylene
Concen: 0.04 ug/Kg
RT: 11.43 min Scan# 857
Delta R.T. 0.00 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 91 Resp: 5360

Ion	Ratio	Lower	Upper
91	100		
106	61.4	18.7	78.7
105	38.8	0.0	51.7

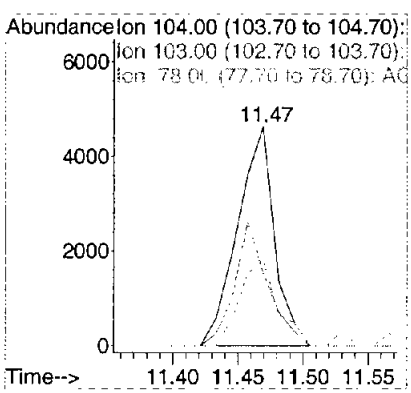


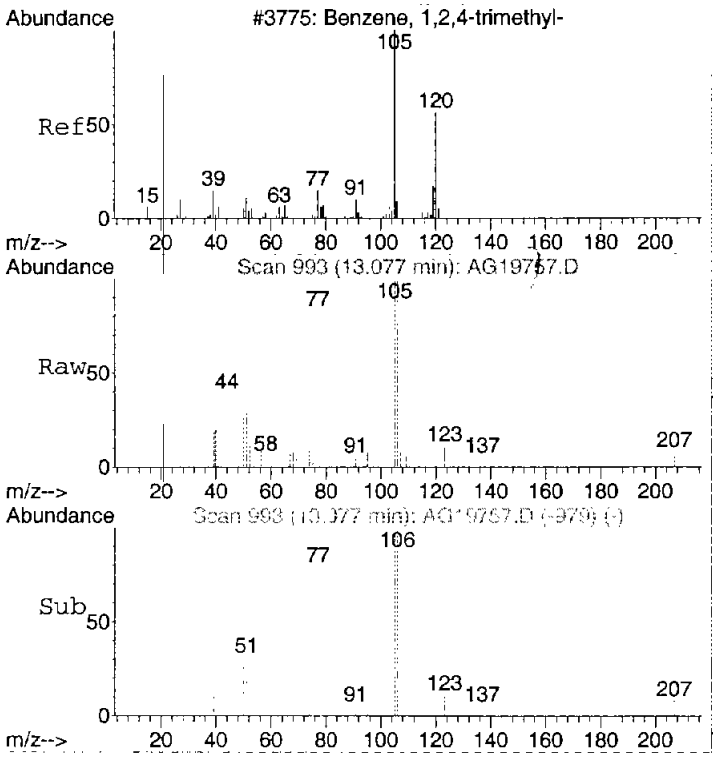


#61
Styrene
Concen: 0.08 ug/Kg
RT: 11.47 min Scan# 860
Delta R.T. 0.01 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion:104 Resp: 9134

Ion	Ratio	Lower	Upper
104	100		
103	51.1	16.9	76.9
78	40.1	10.4	70.4

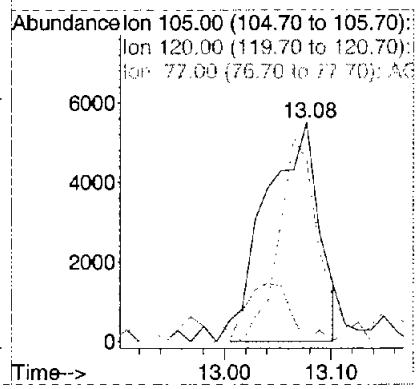


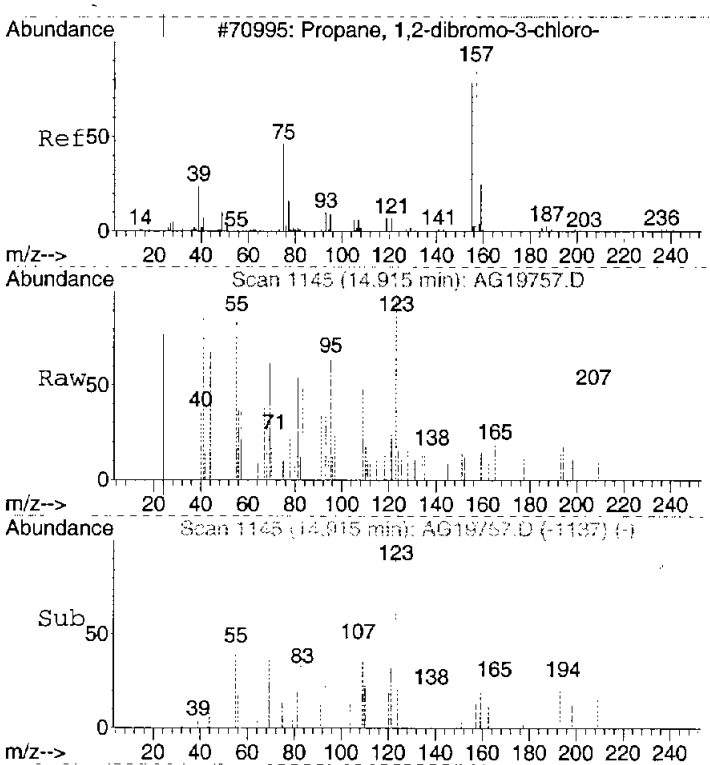


#73
1,2,4-Trimethylbenzene
Concen: 0.13 ug/Kg
RT: 13.08 min Scan# 993
Delta R.T. 0.05 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion:105 Resp: 19567

Ion	Ratio	Lower	Upper
105	100		
120	21.4	19.2	79.2
77	65.7	0.0	41.5#

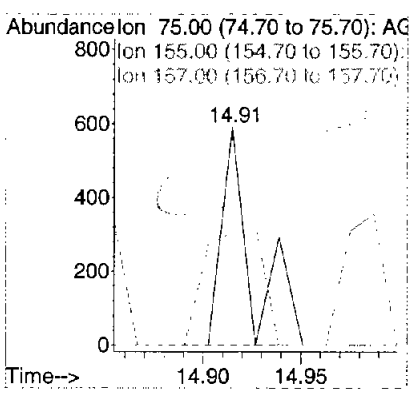


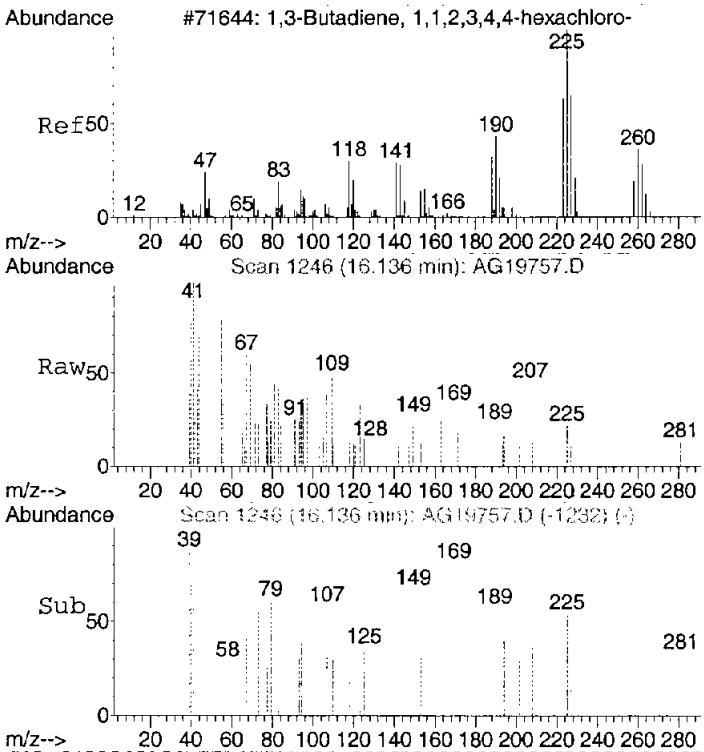


#81
1,2-Dibromo-3-chloropropane
Concen: 0.13 ug/Kg
RT: 14.91 min Scan# 1145
Delta R.T. -0.02 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion: 75 Resp: 641

Ion	Ratio	Lower	Upper
75	100		
155	0.0	64.6	124.6#
157	102.0	99.7	159.7

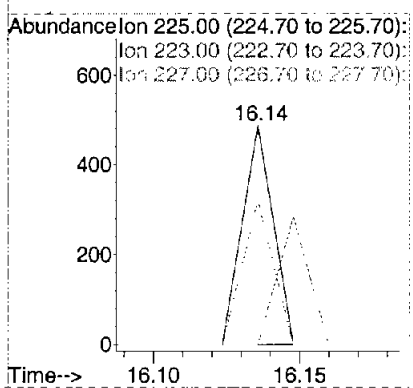




#84
Hexachlorobutadiene
Concen: Below Cal
RT: 16.14 min Scan# 1246
Delta R.T. -0.01 min
Lab File: AG19757.D
Acq: 3 Dec 2004 1:38 pm

Tgt Ion:225 Resp: 354

Ion	Ratio	Lower	Upper
225	100		
223	0.0	33.4	93.4#
227	65.6	26.3	86.3



BLANK SPIKE

00484

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19691.D
Acq On : 1 Dec 2004 9:36 pm
Sample : 5.0 ug/L LCS/BS voa1052
Misc : 1249-64-10
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:16:44 2004

Vial: 22
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	845300	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.36	114	1255077	10.00	ug/L	0.01
62) D5-Chlorobenzene(I)	10.68	119	245037	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.48	152	547785	10.00	ug/L	-0.01

System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	362640	10.23	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 102.30%			
40) Fluorobenzene(S)	7.23	96	1419302	10.76	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 107.60%#			
42) Trifluorotoluene(S)	7.96	146	602946	9.79	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 97.90%			
53) Toluene-d8(S)	9.02	98	1357899	10.95	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 109.50%#			
63) Ethylbenzene-d10(S)	10.74	98	1671010	11.09	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 110.90%#			
72) Bromofluorobenzene(S)	12.09	174	468576	10.38	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 103.80%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	193591	5.68	ug/L	97
3) Chloromethane	1.88	50	202590	5.58	ug/L	93
4) Vinyl Chloride	2.00	62	195096	5.39	ug/L	99
5) Bromomethane	2.43	94	46537	7.60	ug/L	91
6) Chloroethane	2.57	64	110695	5.22	ug/L	91
7) Trichlorofluoromethane	2.92	101	257167	5.21	ug/L	97
8) Acrolein	3.52	56	19595	5.60	ug/L	91
9) Ethyl ether	3.33	59	722126	25.83	ug/L	95
10) 1,1-Dichloroethene	3.65	96	146464	4.79	ug/L	97
11) 1,1,2-Trichlorotrifluoroet	3.67	151	132909	4.72	ug/L	93
12) Carbon Disulfide	3.94	76	2417993	22.02	ug/L	99
13) Acetone	3.72	43	222406	11.38	ug/L	95
14) tert-Butyl alcohol	5.72	59	509347	26.35	ug/L	96
15) Methylene Chloride	4.32	49	230559	5.17	ug/L	96
16) Methyl tert-Butyl ether	4.65	73	453558	5.50	ug/L	97
17) trans-1,2-Dichloroethene	4.68	96	169505	4.82	ug/L	95
18) Acrylonitrile	4.63	53	282419	25.89	ug/L	99
19) Hexane	5.01	56	93000	4.57	ug/L	89
20) Diisopropyl ether	5.28	45	583505	5.24	ug/L	98
21) 1,1-Dichloroethane	5.20	63	294526	5.05	ug/L	97
22) Vinyl Acetate	5.27	43	1275299	19.71	ug/L #	98
23) Ethyl tert-butyl ether	5.72	87	217834	5.21	ug/L	97
24) 2,2-Dichloropropane	5.90	77	167769	3.96	ug/L	95
25) cis-1,2-Dichloroethene	5.91	96	195242	5.09	ug/L	93
26) 2-Butanone	5.91	57	24920	15.57	ug/L #	75
27) Ethyl acetate	5.99	45	109619	26.97	ug/L	98
28) Tetrahydrofuran	6.24	71	89011	26.78	ug/L	94
29) Bromochloromethane	6.19	49	150445	5.28	ug/L	98
30) Chloroform	6.30	85	195214	5.10	ug/L	93
31) 1,1,1-Trichloroethane	6.49	97	242867	4.91	ug/L	90
32) Cyclohexane	6.54	56	279569	4.66	ug/L	92
34) Carbon Tetrachloride	6.67	119	200876	5.09	ug/L	99
35) 1,1-Dichloropropene	6.67	75	215485	4.79	ug/L	99
36) tert-Amyl methyl ether	7.02	73	463478	5.34	ug/L	98
37) Benzene	6.91	78	711420	5.16	ug/L	96
38) iso-Butyl alcohol	6.85	43	568828	549.53	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19691.D
Acq On : 1 Dec 2004 9:36 pm
Sample : 5.0 ug/L LCS/BS voa1052
Misc : 1249-64-10
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:16:44 2004

Vial: 22
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	230559	5.04 ug/L		96
43)	Trichloroethene	7.65	130	199019	5.05 ug/L		93
44)	n-Butyl alcohol	7.59	41	233202	543.33 ug/L		99
45)	Methylcyclohexane	7.84	55	176283	4.80 ug/L		97
46)	1,2-Dichloropropane	7.89	63	192743	5.49 ug/L		99
47)	Dibromomethane	8.05	174	118334	4.86 ug/L		99
48)	1,4-Dioxane	8.05	88	40225	136.01 ug/L		87
49)	Bromodichloromethane	8.23	83	217170	5.14 ug/L		96
50)	2-Chloroethyl Vinyl Ether	8.54	63	212013	40.80 ug/L		97
51)	cis-1,3-Dichloropropene	8.71	75	241640	4.91 ug/L		99
52)	4-Methyl-2-pentanone	8.87	85	128414	26.19 ug/L		99
54)	Toluene	9.09	91	758064	5.02 ug/L		100
55)	trans-1,3-Dichloropropene	9.35	75	202273	4.53 ug/L		98
56)	1,1,2-Trichloroethane	9.57	97	152245	4.90 ug/L		98
57)	Tetrachloroethene	9.73	164	153598	4.84 ug/L		96
58)	1,3-Dichloropropane	9.75	76	254901	5.03 ug/L		98
59)	2-Hexanone	9.83	85	45009	19.39 ug/L	#	95
60)	Dibromochloromethane	10.03	129	149475	4.94 ug/L		91
61)	1,2-Dibromoethane	10.15	107	155900	5.13 ug/L		99
64)	Chlorobenzene	10.72	112	507841	4.87 ug/L		97
65)	1,1,1,2-Tetrachloroethane	10.82	131	162783	5.00 ug/L		98
66)	Ethylbenzene	10.83	91	795187	4.90 ug/L		100
67)	m,p-Xylene	10.97	106	638409	9.89 ug/L		97
68)	o-Xylene	11.45	91	623857	4.92 ug/L		96
69)	Styrene	11.47	104	480466	4.93 ug/L		90
70)	Bromoform	11.71	173	90029	4.76 ug/L		95
71)	Isopropylbenzene	11.88	105	668834	4.55 ug/L		98
73)	Bromobenzene	12.27	156	210113	4.76 ug/L		99
74)	1,1,2,2-Tetrachloroethane	12.26	83	315013+	5.37 ug/L		99
75)	1,2,3-Trichloropropane	12.30	110	57647	5.30 ug/L		94
76)	n-Propylbenzene	12.38	91	926175	5.00 ug/L		97
77)	2-Chlorotoluene	12.50	126	199831	4.95 ug/L		99
78)	4-Chlorotoluene	12.62	126	196675	4.68 ug/L		85
79)	1,3,5-Trimethylbenzene	12.58	105	599983	4.96 ug/L		99
80)	t-Butylbenzene	12.98	119	493943	4.85 ug/L		97
81)	1,2,4-Trimethylbenzene	13.04	105	641479	5.15 ug/L		98
82)	sec-Butylbenzene	13.25	105	669927	4.97 ug/L		100
83)	4-Isopropyltoluene	13.42	119	555116	4.66 ug/L		99
84)	1,3-Dichlorobenzene	13.40	146	387958	4.85 ug/L		98
86)	1,4-Dichlorobenzene	13.51	146	404661	4.91 ug/L		96
87)	n-Butylbenzene	13.92	134	124194	4.70 ug/L	#	86
88)	1,2-Dichlorobenzene	13.97	146	376882	4.84 ug/L		98
89)	1,2-Dibromo-3-chloropropan	14.93	75	27212	5.07 ug/L	#	80
90)	1,3,5-Trichlorobenzene	15.18	180	259424	5.00 ug/L		94
91)	1,2,4-Trichlorobenzene	15.95	180	242575	4.87 ug/L		97
92)	Hexachlorobutadiene	16.15	225	86175	4.53 ug/L		98
93)	Naphthalene	16.26	128	557695	5.11 ug/L		98
94)	1,2,3-Trichlorobenzene	16.56	180	230367	4.80 ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

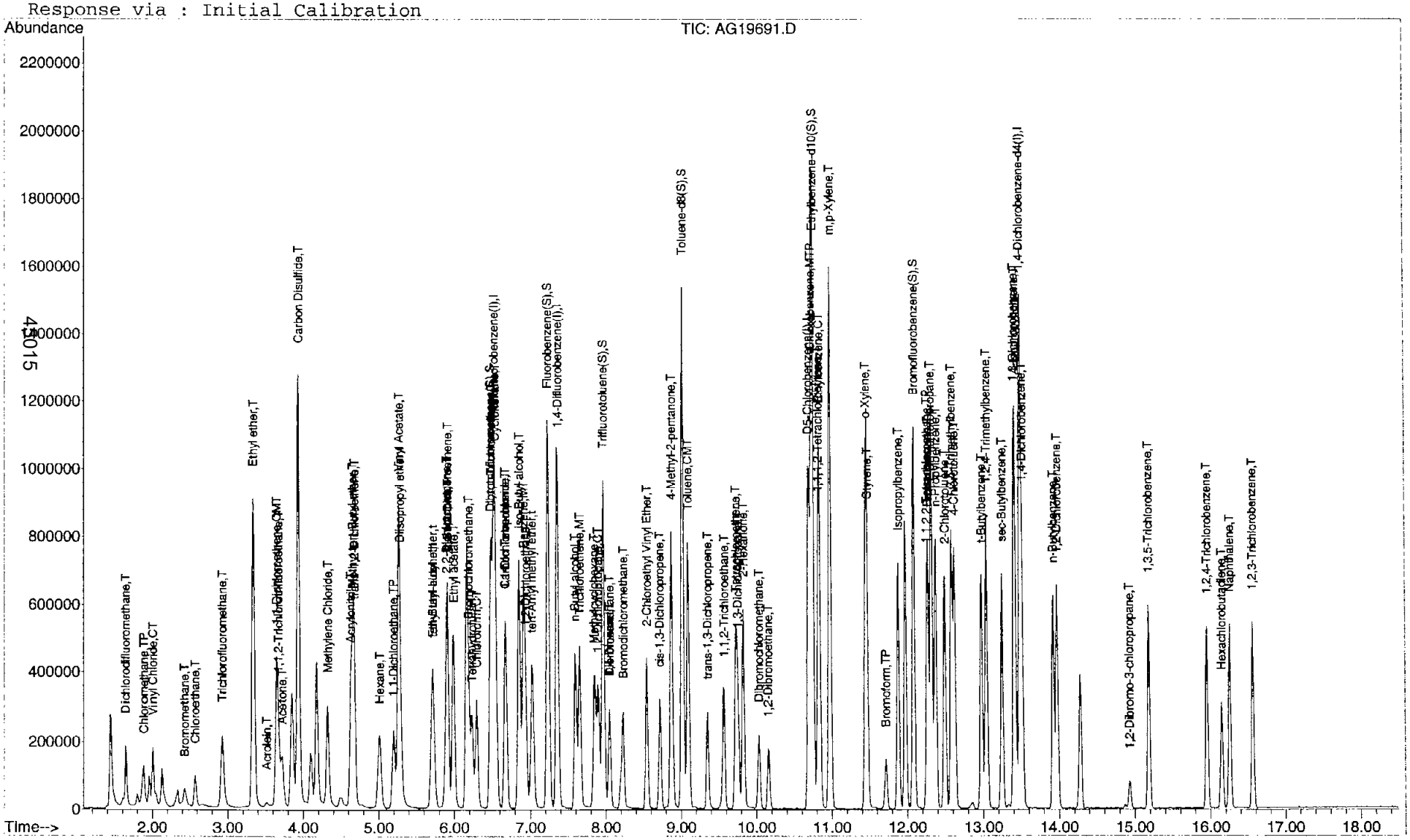
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19691.D
Acq On : 1 Dec 2004 9:36 pm
Sample : 5.0 ug/L LCS/BS voa1052
Misc : 1249-64-10
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:16 2004

Vial: 22
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19692.D
Acq On : 1 Dec 2004 10:02 pm
Sample : 5.0 ug/L LCS/BSD voa1052
Misc : 1249-64-10
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:17:56 2004

Vial: 23
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	835740	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1265436	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	243623	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	548814	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	362365	10.33	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 103.30%			
40) Fluorobenzene(S)	7.23	96	1415470	10.86	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 108.60%#			
42) Trifluorotoluene(S)	7.96	146	601068	9.68	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 96.80%			
53) Toluene-d8(S)	9.02	98	1344612	10.75	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 107.50%#			
63) Ethylbenzene-d10(S)	10.74	98	1712661	11.43	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 114.30%#			
72) Bromofluorobenzene(S)	12.09	174	467659	10.42	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 104.20%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	195138	5.79	ug/L	97
3) Chloromethane	1.88	50	197202	5.49	ug/L	97
4) Vinyl Chloride	2.00	62	205510	5.75	ug/L	97
5) Bromomethane	2.43	94	57192	9.45	ug/L	97
6) Chloroethane	2.57	64	114551	5.46	ug/L	92
7) Trichlorofluoromethane	2.92	101	257776	5.29	ug/L	97
8) Acrolein	3.50	56	21697	6.28	ug/L	90
9) Ethyl ether	3.33	59	727842	26.34	ug/L	97
10) 1,1-Dichloroethene	3.65	96	147510	4.88	ug/L	99
11) 1,1,2-Trichlorotrifluoroet	3.66	151	134709	4.84	ug/L	94
12) Carbon Disulfide	3.94	76	2443166	22.50	ug/L	99
13) Acetone	3.72	43	225064	11.65	ug/L	100
14) tert-Butyl alcohol	5.72	59	508968	26.63	ug/L	96
15) Methylene Chloride	4.31	49	237361	5.38	ug/L	98
16) Methyl tert-Butyl ether	4.66	73	446273	5.48	ug/L	98
17) trans-1,2-Dichloroethene	4.68	96	176384	5.08	ug/L	95
18) Acrylonitrile	4.63	53	277983	25.77	ug/L	98
19) Hexane	5.00	56	96557	4.80	ug/L	97
20) Diisopropyl ether	5.28	45	593808	5.40	ug/L	99
21) 1,1-Dichloroethane	5.20	63	292300	5.07	ug/L	98
22) Vinyl Acetate	5.27	43	1146496	17.92	ug/L	99
23) Ethyl tert-butyl ether	5.72	87	208514	5.05	ug/L	96
24) 2,2-Dichloropropane	5.88	77	164345	3.93	ug/L	96
25) cis-1,2-Dichloroethene	5.91	96	192155	5.06	ug/L	92
26) 2-Butanone	5.91	57	27496	17.37	ug/L #	91
27) Ethyl acetate	5.98	45	106524	26.51	ug/L	98
28) Tetrahydrofuran	6.24	71	90199	27.45	ug/L	96
29) Bromochloromethane	6.19	49	155094	5.51	ug/L	98
30) Chloroform	6.30	85	190159	5.02	ug/L	91
31) 1,1,1-Trichloroethane	6.48	97	247222	5.06	ug/L	92
32) Cyclohexane	6.54	56	283920	4.78	ug/L	92
34) Carbon Tetrachloride	6.68	119	195729	5.01	ug/L	98
35) 1,1-Dichloropropene	6.67	75	210428	4.73	ug/L	98
36) tert-Amyl methyl ether	7.02	73	470751	5.49	ug/L	97
37) Benzene	6.91	78	718104	5.27	ug/L	96
38) iso-Butyl alcohol	6.85	43	563486	550.60	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19692.D
Acq On : 1 Dec 2004 10:02 pm
Sample : 5.0 ug/L LCS/BSD voa1052
Misc : 1249-64-10
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:17:56 2004

Vial: 23
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	233107	5.16 ug/L		96
43)	Trichloroethene	7.65	130	191747	4.82 ug/L		97
44)	n-Butyl alcohol	7.59	41	234694	542.33 ug/L		98
45)	Methylcyclohexane	7.84	55	187742	5.07 ug/L		97
46)	1,2-Dichloropropane	7.89	63	174570	4.93 ug/L		95
47)	Dibromomethane	8.05	174	119311	4.86 ug/L		97
48)	1,4-Dioxane	8.05	88	41941	140.65 ug/L		85
49)	Bromodichloromethane	8.23	83	215915	5.07 ug/L		97
50)	2-Chloroethyl Vinyl Ether	8.54	63	217864	41.51 ug/L		97
51)	cis-1,3-Dichloropropene	8.71	75	248885	5.02 ug/L		97
52)	4-Methyl-2-pentanone	8.87	85	123558	25.00 ug/L		96
54)	Toluene	9.09	91	763710	5.02 ug/L		98
55)	trans-1,3-Dichloropropene	9.35	75	201565	4.48 ug/L		98
56)	1,1,2-Trichloroethane	9.56	97	156385	4.99 ug/L		99
57)	Tetrachloroethene	9.73	164	154319	4.82 ug/L		92
58)	1,3-Dichloropropane	9.75	76	253064	4.95 ug/L		99
59)	2-Hexanone	9.83	85	40907	17.47 ug/L	#	91
60)	Dibromochloromethane	10.03	129	147930	4.84 ug/L		92
61)	1,2-Dibromoethane	10.15	107	153720	5.02 ug/L		96
64)	Chlorobenzene	10.72	112	507300	4.89 ug/L		96
65)	1,1,1,2-Tetrachloroethane	10.82	131	162719	5.02 ug/L		98
66)	Ethylbenzene	10.83	91	796937	4.94 ug/L		99
67)	m,p-Xylene	10.97	106	641437	9.99 ug/L		98
68)	o-Xylene	11.45	91	618416	4.91 ug/L		93
69)	Styrene	11.47	104	466419	4.82 ug/L		86
70)	Bromoform	11.71	173	90673	4.82 ug/L		96
71)	Isopropylbenzene	11.88	105	675130	4.62 ug/L		100
73)	Bromobenzene	12.27	156	211738	4.82 ug/L		100
74)	1,1,2,2-Tetrachloroethane	12.26	83	298397+	5.12 ug/L		98
75)	1,2,3-Trichloropropane	12.30	110	56884	5.26 ug/L		94
76)	n-Propylbenzene	12.38	91	920604	5.00 ug/L		97
77)	2-Chlorotoluene	12.50	126	199737	4.97 ug/L		98
78)	4-Chlorotoluene	12.62	126	201668	4.82 ug/L		89
79)	1,3,5-Trimethylbenzene	12.58	105	604994	5.03 ug/L		98
80)	t-Butylbenzene	12.98	119	492071	4.86 ug/L		97
81)	1,2,4-Trimethylbenzene	13.04	105	648988	5.24 ug/L		97
82)	sec-Butylbenzene	13.25	105	682952	5.10 ug/L		100
83)	4-Isopropyltoluene	13.42	119	561574	4.74 ug/L		99
84)	1,3-Dichlorobenzene	13.40	146	384485	4.84 ug/L		99
86)	1,4-Dichlorobenzene	13.51	146	411057	4.97 ug/L		96
87)	n-Butylbenzene	13.92	134	122424	4.63 ug/L	#	84
88)	1,2-Dichlorobenzene	13.97	146	383275	4.91 ug/L		98
89)	1,2-Dibromo-3-chloropropan	14.93	75	27311	5.08 ug/L	#	78
90)	1,3,5-Trichlorobenzene	15.18	180	266212	5.12 ug/L		97
91)	1,2,4-Trichlorobenzene	15.95	180	241607	4.84 ug/L		98
92)	Hexachlorobutadiene	16.15	225	85556	4.49 ug/L		99
93)	Naphthalene	16.26	128	572320	5.23 ug/L		98
94)	1,2,3-Trichlorobenzene	16.56	180	238170	4.96 ug/L		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

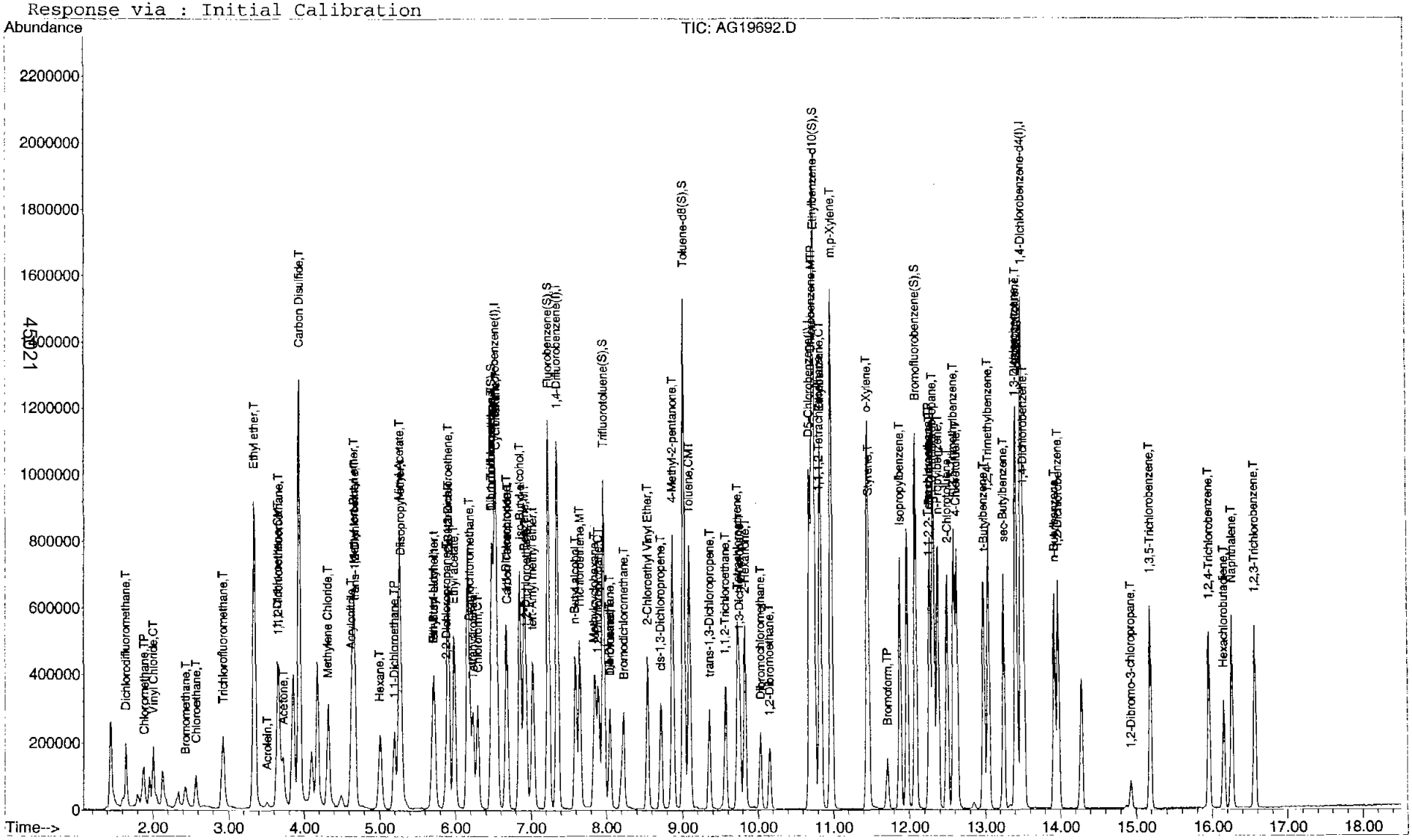
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19692.D
Acq On : 1 Dec 2004 10:02 pm
Sample : 5.0 ug/L LCS/BSD voa1052
Misc : 1249-64-10
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:17 2004

Vial: 23
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



MATIX SPIKE / MATRIX SPIKE DUPLICATE

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19706.D Vial: 37
Acq On : 2 Dec 2004 4:06 am Operator: crf
Sample : 125060-1 MS voa1052 Inst : VOAInst#3
Misc : Liquid Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:21:37 2004 Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	794421	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1209712	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.70	119	237286	10.00	ug/L	0.01
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	537028	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	353454	10.60	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 106.00%			
40) Fluorobenzene(S)	7.23	96	1378837	11.13	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 111.30%#			
42) Trifluorotoluene(S)	7.96	146	623993	10.51	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 105.10%			
53) Toluene-d8(S)	9.02	98	1333786	11.16	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 111.60%#			
63) Ethylbenzene-d10(S)	10.74	98	1650291	11.31	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 113.10%#			
72) Bromofluorobenzene(S)	12.09	174	450357	10.30	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 103.00%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	229891	7.18	ug/L	98
3) Chloromethane	1.88	50	292010	8.64	ug/L	96
4) Vinyl Chloride	2.00	62	218945	6.44	ug/L	97
5) Bromomethane	2.43	94	64813	11.26	ug/L	98
6) Chloroethane	2.57	64	129945	6.52	ug/L	93
7) Trichlorofluoromethane	2.92	101	295432	6.37	ug/L	97
8) Acrolein	3.52	56	14934	4.54	ug/L	96
9) Ethyl ether	3.33	59	769612	29.30	ug/L	96
10) 1,1-Dichloroethene	3.65	96	161599	5.62	ug/L	97
11) 1,1,2-Trichlorotrifluoroet	3.66	151	156071	5.90	ug/L	93
12) Carbon Disulfide	3.94	76	2606434	25.26	ug/L	100
13) Acetone	3.72	43	208150	11.33	ug/L	99
14) tert-Butyl alcohol	5.72	59	506088	27.86	ug/L	96
15) Methylene Chloride	4.31	49	234705	5.60	ug/L	99
16) Methyl tert-Butyl ether	4.66	73	446125	5.76	ug/L	96
17) trans-1,2-Dichloroethene	4.68	96	185643	5.62	ug/L	95
18) Acrylonitrile	4.63	53	291459	28.43	ug/L	98
19) Hexane	5.01	56	112179	5.86	ug/L	93
20) Diisopropyl ether	5.28	45	572031	5.47	ug/L	99
21) 1,1-Dichloroethane	5.20	63	308955	5.64	ug/L	98
22) Vinyl Acetate	5.27	43	302435	4.97	ug/L	93
23) Ethyl tert-butyl ether	5.72	87	213212	5.43	ug/L	99
24) 2,2-Dichloropropane	5.88	77	176415	4.43	ug/L	97
25) cis-1,2-Dichloroethene	5.91	96	198500	5.50	ug/L	92
26) 2-Butanone	5.91	57	24860	16.53	ug/L #	70
27) Ethyl acetate	5.98	45	83121	21.76	ug/L	96
28) Tetrahydrofuran	6.24	71	90896	29.10	ug/L	94
29) Bromochloromethane	6.19	49	159630	5.96	ug/L	98
30) Chloroform	6.30	85	217807	6.05	ug/L	93
31) 1,1,1-Trichloroethane	6.48	97	269723	5.80	ug/L	95
32) Cyclohexane	6.54	56	324267	5.75	ug/L	94
34) Carbon Tetrachloride	6.67	119	213313	5.75	ug/L	98
35) 1,1-Dichloropropene	6.67	75	225480	5.33	ug/L	99
36) tert-Amyl methyl ether	7.02	73	465103	5.70	ug/L	99
37) Benzene	6.91	78	749718	5.79	ug/L	96
38) iso-Butyl alcohol	6.85	43	515465	529.88	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19706.D
Acq On : 2 Dec 2004 4:06 am
Sample : 125060-1 MS voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:21:37 2004

Vial: 37
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	243346	5.66 ug/L		96
43)	Trichloroethene	7.65	130	203421	5.35 ug/L		96
44)	n-Butyl alcohol	7.59	41	206206	498.45 ug/L		98
45)	Methylcyclohexane	7.84	55	212076	5.99 ug/L		98
46)	1,2-Dichloropropane	7.89	63	184830	5.46 ug/L		97
47)	Dibromomethane	8.05	174	123326	5.25 ug/L		96
48)	1,4-Dioxane	8.05	88	39007	136.84 ug/L		91
49)	Bromodichloromethane	8.23	83	235619	5.78 ug/L		96
50)	2-Chloroethyl Vinyl Ether	8.56	63	470	1.93 ug/L	#	1
51)	cis-1,3-Dichloropropene	8.71	75	241814	5.10 ug/L		99
52)	4-Methyl-2-pentanone	8.87	85	120470	25.50 ug/L	#	91
54)	Toluene	9.09	91	780181	5.36 ug/L		100
55)	trans-1,3-Dichloropropene	9.35	75	199862	4.65 ug/L		98
56)	1,1,2-Trichloroethane	9.57	97	154821	5.17 ug/L		97
57)	Tetrachloroethene	9.73	164	160296	5.24 ug/L		93
58)	1,3-Dichloropropane	9.75	76	256922	5.26 ug/L		99
59)	2-Hexanone	9.83	85	38985	17.42 ug/L	#	81
60)	Dibromochloromethane	10.03	129	153155	5.25 ug/L		96
61)	1,2-Dibromoethane	10.15	107	157236	5.37 ug/L		100
64)	Chlorobenzene	10.72	112	528385	5.23 ug/L		95
65)	1,1,1,2-Tetrachloroethane	10.82	131	169703	5.38 ug/L		99
66)	Ethylbenzene	10.83	91	848158	5.40 ug/L		100
67)	m,p-Xylene	10.97	106	556497	8.90 ug/L		97
68)	o-Xylene	11.45	91	619918	5.05 ug/L		98
69)	Styrene	11.45	104	14602	0.15 ug/L	#	1
70)	Bromoform	11.71	173	95417	5.20 ug/L		92
71)	Isopropylbenzene	11.88	105	696065	4.89 ug/L		99
73)	Bromobenzene	12.27	156	220144	5.15 ug/L	#	79
74)	1,1,2,2-Tetrachloroethane	12.26	83	303180+	5.34 ug/L		98
75)	1,2,3-Trichloropropane	12.30	110	55702	5.29 ug/L		88
76)	n-Propylbenzene	12.38	91	924133	5.15 ug/L		98
77)	2-Chlorotoluene	12.50	126	198451	5.07 ug/L		96
78)	4-Chlorotoluene	12.62	126	193241	4.74 ug/L		93
79)	1,3,5-Trimethylbenzene	12.58	105	66678	0.57 ug/L		96
80)	t-Butylbenzene	12.98	119	538329	5.45 ug/L		92
81)	1,2,4-Trimethylbenzene	13.04	105	379824	3.15 ug/L		99
82)	sec-Butylbenzene	13.25	105	714799	5.48 ug/L		99
83)	4-Isopropyltoluene	13.42	119	566404	4.91 ug/L		99
84)	1,3-Dichlorobenzene	13.40	146	398938	5.15 ug/L		99
86)	1,4-Dichlorobenzene	13.51	146	404197	5.00 ug/L		95
87)	n-Butylbenzene	13.92	134	126525	4.89 ug/L	#	86
88)	1,2-Dichlorobenzene	13.97	146	372760	4.88 ug/L		98
89)	1,2-Dibromo-3-chloropropan	14.93	75	25963	4.94 ug/L	#	77
90)	1,3,5-Trichlorobenzene	15.18	180	283232	5.57 ug/L		97
91)	1,2,4-Trichlorobenzene	15.95	180	229264	4.69 ug/L		98
92)	Hexachlorobutadiene	16.15	225	86936	4.67 ug/L		96
93)	Naphthalene	16.26	128	407454	3.81 ug/L		97
94)	1,2,3-Trichlorobenzene	16.56	180	215085	4.58 ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

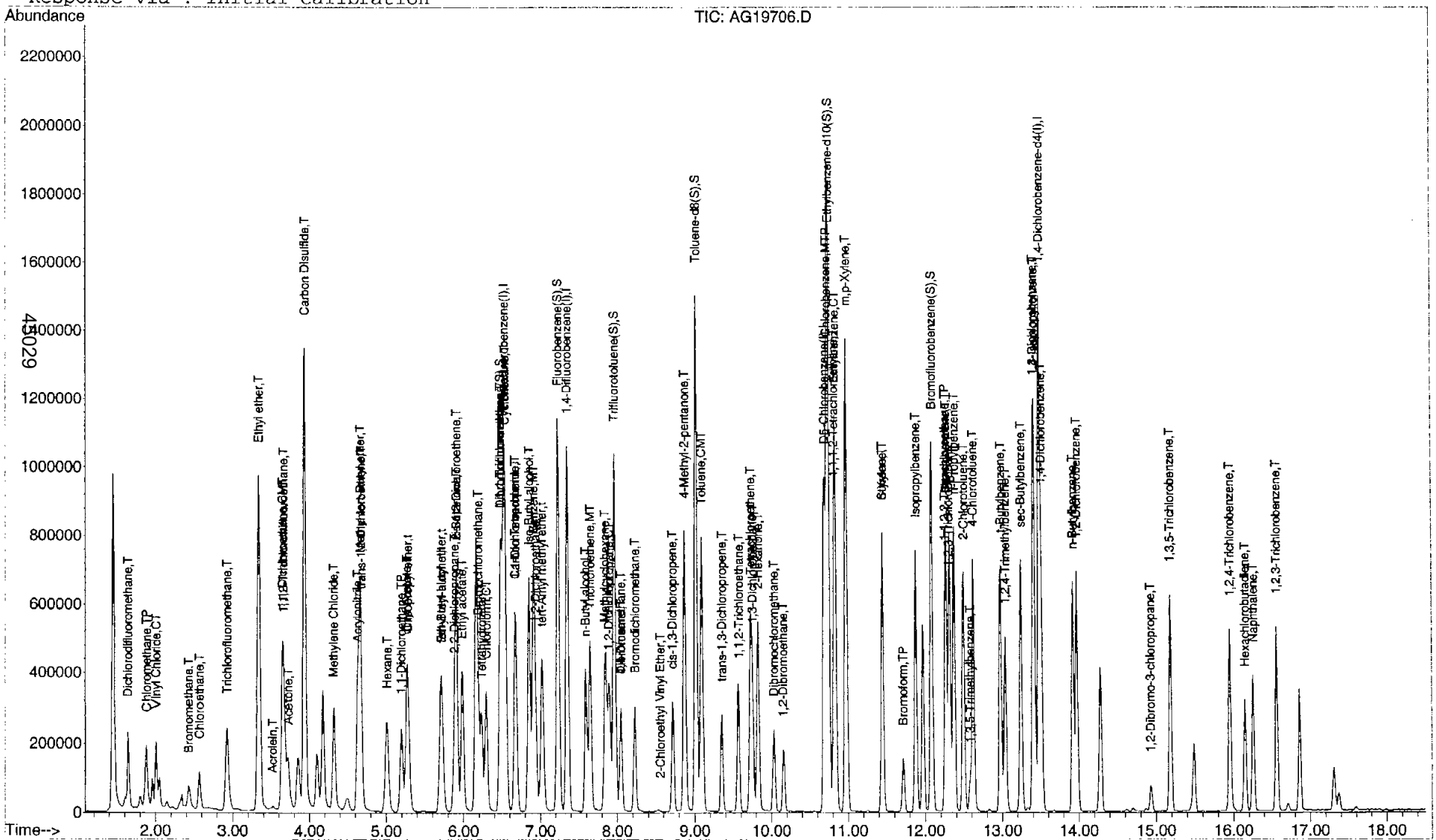
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19706.D
Acq On : 2 Dec 2004 4:06 am
Sample : 125060-1 MS voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:21 2004

Vial: 37
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



00494

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19707.D
Acq On : 2 Dec 2004 4:32 am
Sample : 125060-1 MSD voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:21:43 2004

Vial: 38
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	822687	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1222041	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	234194	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	542008	10.00	ug/L	0.00

System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	350173	10.15	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 101.50%			
40) Fluorobenzene(S)	7.23	96	1394606	10.87	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 108.70%#			
42) Trifluorotoluene(S)	7.96	146	668830	11.15	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 111.50%			
53) Toluene-d8(S)	9.02	98	1327978	11.00	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 110.00%#			
63) Ethylbenzene-d10(S)	10.74	98	1668642	11.58	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 115.80%#			
72) Bromofluorobenzene(S)	12.09	174	452845	10.50	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 105.00%			

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	234243	7.07	ug/L	98
3) Chloromethane	1.88	50	319487	9.13	ug/L	97
4) Vinyl Chloride	2.00	62	213768	6.07	ug/L	98
5) Bromomethane	2.44	94	58028	9.74	ug/L	89
6) Chloroethane	2.57	64	132038	6.40	ug/L	93
7) Trichlorofluoromethane	2.92	101	295194	6.15	ug/L	99
8) Acrolein	3.53	56	13479	3.96	ug/L	84
9) Ethyl ether	3.33	59	768156	28.24	ug/L	95
10) 1,1-Dichloroethene	3.65	96	157050	5.28	ug/L	97
11) 1,1,2-Trichlorotrifluoroet	3.66	151	160200	5.85	ug/L	92
12) Carbon Disulfide	3.94	76	2625949	24.57	ug/L	99
13) Acetone	3.72	43	212358	11.16	ug/L	98
14) tert-Butyl alcohol	5.72	59	507362	26.97	ug/L	96
15) Methylene Chloride	4.33	49	228862	5.27	ug/L	97
16) Methyl tert-Butyl ether	4.66	73	466056	5.81	ug/L	97
17) trans-1,2-Dichloroethene	4.68	96	184960	5.41	ug/L	96
18) Acrylonitrile	4.63	53	291585	27.46	ug/L	99
19) Hexane	5.00	56	116572	5.89	ug/L	95
20) Diisopropyl ether	5.28	45	579678	5.35	ug/L	98
21) 1,1-Dichloroethane	5.20	63	304108	5.36	ug/L	99
22) Vinyl Acetate	5.28	43	265144	4.21	ug/L	93
23) Ethyl tert-butyl ether	5.72	87	218721	5.38	ug/L	97
24) 2,2-Dichloropropane	5.88	77	174146	4.23	ug/L	98
25) cis-1,2-Dichloroethene	5.91	96	200695	5.37	ug/L	92
26) 2-Butanone	5.91	57	26582	17.06	ug/L #	78
27) Ethyl acetate	5.99	45	88303	22.32	ug/L	97
28) Tetrahydrofuran	6.24	71	91497	28.29	ug/L	92
29) Bromochloromethane	6.19	49	161291	5.82	ug/L	99
30) Chloroform	6.30	85	218477	5.86	ug/L	91
31) 1,1,1-Trichloroethane	6.49	97	267733	5.56	ug/L	93
32) Cyclohexane	6.54	56	325458	5.57	ug/L	91
34) Carbon Tetrachloride	6.68	119	214764	5.59	ug/L	97
35) 1,1-Dichloropropene	6.67	75	230700	5.27	ug/L	98
36) tert-Amyl methyl ether	7.02	73	470289	5.57	ug/L	97
37) Benzene	6.91	78	748055	5.58	ug/L	96
38) iso-Butyl alcohol	6.85	43	536326	532.38	ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19707.D
Acq On : 2 Dec 2004 4:32 am
Sample : 125060-1 MSD voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 03 08:21:43 2004

Vial: 38
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00
Quant Results File: 11232004_AQUEOUS_8260.RES

Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	242566	5.45	ug/L		96
43)	Trichloroethene	7.65	130	201516	5.25	ug/L		96
44)	n-Butyl alcohol	7.59	41	219184	524.48	ug/L		99
45)	Methylcyclohexane	7.85	55	211056	5.90	ug/L		97
46)	1,2-Dichloropropane	7.90	63	183402	5.37	ug/L		99
47)	Dibromomethane	8.05	174	124485	5.25	ug/L		98
48)	1,4-Dioxane	8.05	88	41203	143.08	ug/L		90
49)	Bromodichloromethane	8.23	83	235280	5.72	ug/L		97
50)	2-Chloroethyl Vinyl Ether	8.56	63	398	1.91	ug/L	#	1
51)	cis-1,3-Dichloropropene	8.71	75	246708	5.15	ug/L		98
52)	4-Methyl-2-pentanone	8.87	85	125581	26.31	ug/L		95
54)	Toluene	9.09	91	769922	5.24	ug/L		100
55)	trans-1,3-Dichloropropene	9.35	75	193623	4.46	ug/L		98
56)	1,1,2-Trichloroethane	9.56	97	162043	5.36	ug/L		97
57)	Tetrachloroethene	9.73	164	163387	5.29	ug/L		98
58)	1,3-Dichloropropane	9.75	76	253655	5.14	ug/L		97
59)	2-Hexanone	9.83	85	41861	18.52	ug/L	#	89
60)	Dibromochloromethane	10.03	129	157035	5.33	ug/L		96
61)	1,2-Dibromoethane	10.16	107	159277	5.39	ug/L		98
64)	Chlorobenzene	10.72	112	534276	5.36	ug/L		96
65)	1,1,1,2-Tetrachloroethane	10.82	131	164321	5.28	ug/L		97
66)	Ethylbenzene	10.83	91	841186	5.42	ug/L		100
67)	m,p-Xylene	10.97	106	595968	9.66	ug/L		99
68)	o-Xylene	11.45	91	629871	5.20	ug/L		98
69)	Styrene	11.45	104	13907	0.15	ug/L	#	1
70)	Bromoform	11.71	173	96152	5.30	ug/L		96
71)	Isopropylbenzene	11.88	105	684635	4.87	ug/L		99
73)	Bromobenzene	12.27	156	216272	5.12	ug/L	#	80
74)	1,1,2,2-Tetrachloroethane	12.26	83	311307+	5.55	ug/L		99
75)	1,2,3-Trichloropropane	12.30	110	54491	5.24	ug/L		91
76)	n-Propylbenzene	12.38	91	913469	5.16	ug/L		98
77)	2-Chlorotoluene	12.50	126	199474	5.17	ug/L		99
78)	4-Chlorotoluene	12.62	126	195297	4.86	ug/L		96
79)	1,3,5-Trimethylbenzene	12.58	105	112032	0.97	ug/L		97
80)	t-Butylbenzene	12.98	119	502513	5.16	ug/L		97
81)	1,2,4-Trimethylbenzene	13.04	105	457653	3.84	ug/L		97
82)	sec-Butylbenzene	13.25	105	696364	5.41	ug/L		99
83)	4-Isopropyltoluene	13.42	119	565868	4.97	ug/L		99
84)	1,3-Dichlorobenzene	13.40	146	394237	5.16	ug/L		98
86)	1,4-Dichlorobenzene	13.51	146	404768	4.96	ug/L		96
87)	n-Butylbenzene	13.92	134	123450	4.73	ug/L		89
88)	1,2-Dichlorobenzene	13.97	146	384441	4.99	ug/L		98
89)	1,2-Dibromo-3-chloropropan	14.93	75	28399	5.35	ug/L	#	74
90)	1,3,5-Trichlorobenzene	15.18	180	278548	5.43	ug/L		96
91)	1,2,4-Trichlorobenzene	15.95	180	238496	4.84	ug/L		97
92)	Hexachlorobutadiene	16.15	225	86107	4.58	ug/L		98
93)	Naphthalene	16.26	128	506122	4.69	ug/L		98
94)	1,2,3-Trichlorobenzene	16.56	180	235435	4.96	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

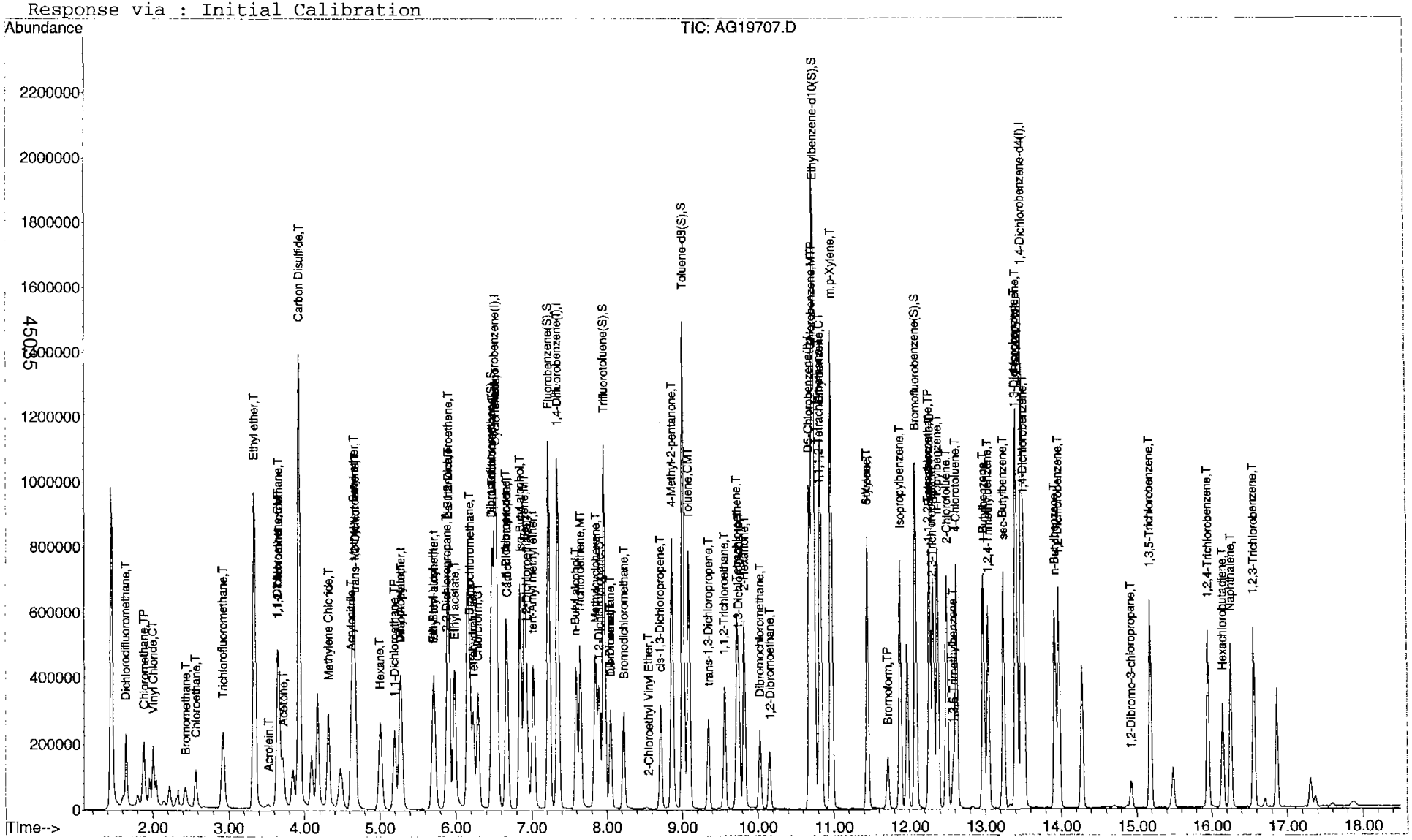
Quantitation Report (Not Reviewed)

Data File : E:\DATA\12012004\AG19707.D
Acq On : 2 Dec 2004 4:32 am
Sample : 125060-1 MSD voa1052
Misc : Liquid
MS Integration Params: RTEINT.P
Quant Time: Dec 3 8:21 2004

Vial: 38
Operator: crf
Inst : VOAInst#3
Multiplr: 1.00

Quant Results File: 11232004_AQUEOUS_8260.RES

Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration



00497

LABORATORY WORKSHEETS

00498

11/29

Volatile GCMS Worksheet - total

QC Level:Tier IV

Matrix:Liquid

URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-1	Client Sample ID	041123SGA13BDW
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**1/23/2004 10:10:00 AM**
VOCs - EPA 8260		
Sample number 125060-2	Client Sample ID	041123SGA14BDW
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**1/23/2004 10:30:00 AM**
VOCs - EPA 8260		
Sample number 125060-9	Client Sample ID	Trip Blank
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004**
VOCs - EPA 8260		
Sample number 125060-10	Client Sample ID	041123SGA15ERW
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 5:00:00 PM**
VOCs - EPA 8260		
Sample number 125060-11	Client Sample ID	041123SGA16ERW
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 5:20:00 PM**
VOCs - EPA 8260		
Sample number 125060-12	Client Sample ID	Trip Blank
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004**
VOCs - EPA 8260		

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date 12/12/2004

Reviewed by _____ Date 45039 12/12/2004

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

00499

VOLATILE EXTRACTION LOG

Date: 12/1/04
Analyst: [illegible]
Spike: STL VOA No.: 1249-55-03 & 04
Spike Amount (uL): 11 µl each
LCS No.: 1249-64-08
LCS Amount (ug/L): 5.0

QC Batch ID: VOA 1052
Methanol Lot No.: —
VOA IS/SMC Std. No.: 1249-56-01
Instrument ID: Sea 001
Surrogate No.: 1249-55-05
Surrogate Amount (uL): 11

MATRIX:
Aqueous: ✓ Leachate: ____ G / BTEX: Soil ____ Water ____

Low Soil: ____ Medium Soil: ____ 5035 preserved: ____ 5035 non-preserved: ____ 5035 enhanced detection ____

Sample No.:	Sample Size (g/ml)	Extract Volume (ml)	Extract Used (ul)	Final Volume (ml)	Prep Dil	Inst.Dil	Instr. Loaded By	Comments
Method Blank							[illegible]	
Blank Spike / LCS								
Blank Spike Duplicate / LCS								
1 .5 µg/L LFB								1249-64-22
2 125100-1								524.2
3 — -1 confirm								—
4 125054-1								624
5 125058-2								—
6 125060-1								
7 -1MS								
8 -1MSD								
9 -2								
10 -9								
11 -10								
12 -11								
13 -12								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								

[illegible] 12/1/04

SPIKE WITNESSING: (CHECK OFF, SIGN & DATE)

Method
Special Spiking Instructions

Matrix
Spike Soln.
Amount Spiked

Signature: [illegible]

Date: 12/1/04

38

00500

STL Seattle

6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**1**
QC Batch Number	**voa1052**
Client Sample ID	**41123SGA13BDW**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: voa1052

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Dibromofluoromethane	10.4657		105	**OK**	80	120
x	Fluorobenzene	11.1186		111	**OK**	80	120
x	Toluene-D8	10.5977		106	**OK**	80	120
x	Ethylbenzene-d10	11.3283		113	**OK**	80	120
x	Bromofluorobenzene	9.7934		97.9	**OK**	80	120
x	Trifluorotoluene	10.6604		107	**OK**	80	120

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**pql**
x	Chloroform	0.3327			0.333	J	1
x	Bromodichloromethane	0.4733			0.473	J	1
x	Dibromochloromethane	0.4099			0.41	J	1
x	Bromoform	0.62			0.62	J	1

STL Seattle

6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**1**
QC Batch Number	**voa1052**
Client Sample ID	**41123SGA13BDW**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**ms**

Related Blank: voa1052

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	10.605		106	**OK**	80	120
x	Fluorobenzene	11.1252		111	**OK**	80	120
x	Toluene-D8	11.1584		112	**OK**	80	120
x	Ethylbenzene-d10	11.3078		113	**OK**	80	120
x	Bromofluorobenzene	10.3047		103	**OK**	80	120
x	Trifluorotoluene	10.5079		105	**OK**	80	120

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	pql
x	Dichlorodifluoromethane	7.1817			7.18		1
x	Chloromethane	8.6351		0.3205	8.64	B2	1
x	Vinyl chloride	6.4394			6.44		1
x	Bromomethane	11.2632			11.3		1
x	Chloroethane	6.5178			6.52		1
x	Trichlorofluoromethane	6.3735			6.37		1
x	1,1-Dichloroethene	5.6238			5.62		1
	1,1,2-Trichlorotrifluoroethane	5.8992			5.9		1
	Acrolein	4.5441			4.54	J	5
x	Carbon disulfide	25.2556			25.3		1
x	Acetone	11.3305			11.3		5
x	Methylene chloride	5.5965			5.6		1
	Methyl tert-butyl ether	5.7586			5.76		1
x	trans-1,2-Dichloroethene	5.6221			5.62		1
	Acrylonitrile	28.4271			28.4		5
	Hexane	5.865			5.87		1
x	1,1-Dichloroethane	5.636			5.64		1
x	Vinyl acetate	4.9724			4.97	J	5
x	2,2-Dichloropropane	4.4343			4.43		1
x	2-Butanone	16.5257			16.5		5

x	cis-1,2-Dichloroethene	5.5022		5.5		1
	Tetrahydrofuran	29.0996		29.1		5
x	Bromochloromethane	5.9624		5.96		1
x	Chloroform	6.0532		6.05		1
x	1,1,1-Trichloroethane	5.8046		5.8		1
x	Carbon Tetrachloride	5.7476		5.75		1
x	1,1-Dichloropropene	5.3318		5.33		1
x	Benzene	5.789		5.79		1
x	1,2-Dichloroethane	5.6641		5.66		1
x	Trichloroethene	5.3535		5.35		1
x	1,2-Dichloropropane	5.4621		5.46		1
	1,4-Dioxane	136.8365		137		25
x	Dibromomethane	5.2518		5.25		1
x	Bromodichloromethane	5.7818		5.78		1
	2-Chloroethyl vinyl ether	1.9292		1.93	J	5
x	cis-1,3-Dichloropropene	5.0989		5.1		1
x	4-Methyl-2-pentanone	25.4954		25.5		5
x	Toluene	5.3639		5.36		1
x	trans-1,3-Dichloropropene	4.6463		4.65		1
x	1,1,2-Trichloroethane	5.1698		5.17		1
x	Tetrachloroethene	5.2393		5.24		1
x	1,3-Dichloropropane	5.2557		5.26		1
x	2-Hexanone	17.4208		17.4		5
x	Dibromochloromethane	5.2465		5.25		1
x	1,2-Dibromoethane	5.3729		5.37		1
x	Chlorobenzene	5.2272		5.23		1
x	Ethylbenzene	5.3985		5.4		1
x	1,1,1,2-Tetrachloroethane	5.3783		5.38		1
x	m,p-Xylene	8.8999		8.9		2
x	o-Xylene	5.052		5.05		1
x	Styrene	0.1548		0.155	J	1
x	Bromoform	5.196		5.2		1
x	Isopropylbenzene	4.8875		4.89		1
x	Bromobenzene	5.1482		5.15		1
x	n-Propylbenzene	5.1545		5.15		1
x	1,1,2,2-Tetrachloroethane	5.3372		5.34		1
x	1,2,3-Trichloropropane	5.2873		5.29		1
x	2-Chlorotoluene	5.0745		5.07		1
x	1,3,5-Trimethylbenzene	0.5695		0.57	J	1
x	4-Chlorotoluene	4.7447		4.74		1
x	t-Butylbenzene	5.4544		5.45		1
x	1,2,4-Trimethylbenzene	3.1465		3.15		1
x	sec-Butylbenzene	5.4797		5.48		1
x	1,3-Dichlorobenzene	5.153		5.15		1
x	4-Isopropyltoluene	4.9109		4.91		1
x	1,4-Dichlorobenzene	4.9981		5		1
x	n-Butylbenzene	4.8881		4.89		1
x	1,2-Dichlorobenzene	4.8845		4.88		1
x	1,2-Dibromo-3-chloropropane	4.9379		4.94		1
	1,3,5-Trichlorobenzene	5.5706	0.04	5.57	B2	1
x	1,2,4-Trichlorobenzene	4.6943		4.69		1

x	1,2,3-Trichlorobenzene	4.5759		4.58		1
x	Hexachlorobutadiene	4.6657		4.67		1
x	Naphthalene	3.8068	0.1302	3.81	B2	1
	Cyclohexane	5.7456		5.75		1
	Ethyl Ether	29.2959		29.3		5
	Ethyl Acetate	21.758		21.8		5
	iso-Butyl Alcohol	529.8753		530		100
	n-Butyl Alcohol	498.4505		498		100
	Methylcyclohexane	5.9853		5.99		1
	tert-Butyl alcohol	27.857		27.9		5
	Diisopropyl ether	5.4686		5.47		1
	Ethyl tert-Butyl ether	5.4293		5.43		1
	tert-Amyl methyl ether	5.7024		5.7		1

STL Seattle

6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**1**
QC Batch Number	**voa1052**
Client Sample ID	**41123SGA13BDW**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**msd**

Related Blank: voa1052

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Dibromofluoromethane	10.1456		101	**OK**	80	120
x	Fluorobenzene	10.8658		109	**OK**	80	120
x	Toluene-D8	10.9977		110	**OK**	80	120
x	Ethylbenzene-d10	11.5845		116	**OK**	80	120
x	Bromofluorobenzene	10.4984		105	**OK**	80	120
x	Trifluorotoluene	11.1493		111	**OK**	80	120

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**pql**
x	Dichlorodifluoromethane	7.0663			7.07		1
x	Chloromethane	9.1315		0.3205	9.13	B2	1
x	Vinyl chloride	6.0711			6.07		1
x	Bromomethane	9.7376			9.74		1
x	Chloroethane	6.3952			6.4		1
x	Trichlorofluoromethane	6.1496			6.15		1
x	1,1-Dichloroethene	5.2777			5.28		1
	1,1,2-Trichlorotrifluoroethane	5.8473			5.85		1
	Acrolein	3.9605			3.96	J	5
x	Carbon disulfide	24.5705			24.6		1
x	Acetone	11.1624			11.2		5
x	Methylene chloride	5.2697			5.27		1
	Methyl tert-butyl ether	5.8092			5.81		1
x	trans-1,2-Dichloroethene	5.4089			5.41		1
	Acrylonitrile	27.4622			27.5		5
	Hexane	5.8852			5.89		1
x	1,1-Dichloroethane	5.357			5.36		1
x	Vinyl acetate	4.2095			4.21	J	5
x	2,2-Dichloropropane	4.2269			4.23		1
x	2-Butanone	17.0633			17.1		5

STL Seattle

x	cis-1,2-Dichloroethene	5.3719		5.37		1
	Tetrahydrofuran	28.2856		28.3		5
x	Bromochloromethane	5.8174		5.82		1
x	Chloroform	5.8632		5.86		1
x	1,1,1-Trichloroethane	5.5638		5.56		1
x	Carbon Tetrachloride	5.5879		5.59		1
x	1,1-Dichloropropene	5.2678		5.27		1
x	Benzene	5.5777		5.58		1
x	1,2-Dichloroethane	5.452		5.45		1
x	Trichloroethene	5.2499		5.25		1
x	1,2-Dichloropropane	5.3652		5.37		1
	1,4-Dioxane	143.0818		143		25
x	Dibromomethane	5.2477		5.25		1
x	Bromodichloromethane	5.7153		5.72		1
	2-Chloroethyl vinyl ether	1.9139		1.91	J	5
x	cis-1,3-Dichloropropene	5.1496		5.15		1
x	4-Methyl-2-pentanone	26.3089		26.3		5
x	Toluene	5.24		5.24		1
x	trans-1,3-Dichloropropene	4.4558		4.46		1
x	1,1,2-Trichloroethane	5.3564		5.36		1
x	Tetrachloroethene	5.2864		5.29		1
x	1,3-Dichloropropane	5.1365		5.14		1
x	2-Hexanone	18.5172		18.5		5
x	Dibromochloromethane	5.3251		5.33		1
x	1,2-Dibromoethane	5.3877		5.39		1
x	Chlorobenzene	5.3553		5.36		1
x	Ethylbenzene	5.4248		5.42		1
x	1,1,1,2-Tetrachloroethane	5.2764		5.28		1
x	m,p-Xylene	9.6569		9.66		2
x	o-Xylene	5.2009		5.2		1
x	Styrene	0.1494		0.149	J	1
x	Bromoform	5.3008		5.3		1
x	Isopropylbenzene	4.8707		4.87		1
x	Bromobenzene	5.1244		5.12		1
x	n-Propylbenzene	5.1623		5.16		1
x	1,1,2,2-Tetrachloroethane	5.5526		5.55		1
x	1,2,3-Trichloropropane	5.2406		5.24		1
x	2-Chlorotoluene	5.168		5.17		1
x	1,3,5-Trimethylbenzene	0.9695		0.97	J	1
x	4-Chlorotoluene	4.8584		4.86		1
x	t-Butylbenzene	5.1588		5.16		1
x	1,2,4-Trimethylbenzene	3.8412		3.84		1
x	sec-Butylbenzene	5.4088		5.41		1
x	1,3-Dichlorobenzene	5.1595		5.16		1
x	4-Isopropyltoluene	4.971		4.97		1
x	1,4-Dichlorobenzene	4.9591		4.96		1
x	n-Butylbenzene	4.7255		4.73		1
x	1,2-Dichlorobenzene	4.9913		4.99		1
x	1,2-Dibromo-3-chloropropane	5.3516		5.35		1
	1,3,5-Trichlorobenzene	5.4282	0.04	5.43	B2	1
x	1,2,4-Trichlorobenzene	4.8384		4.84		1

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x	1,2,3-Trichlorobenzene	4.9628		4.96		1
x	Hexachlorobutadiene	4.5787		4.58		1
x	Naphthalene	4.6852	0.1302	4.69	B2	1
	Cyclohexane	5.5686		5.57		1
	Ethyl Ether	28.2358		28.2		5
	Ethyl Acetate	22.3203		22.3		5
	iso-Butyl Alcohol	532.3772		532		100
	n-Butyl Alcohol	524.4763		524		100
	Methylcyclohexane	5.8964		5.9		1
	tert-Butyl alcohol	26.9676		27		5
	Diisopropyl ether	5.3513		5.35		1
	Ethyl tert-Butyl ether	5.3783		5.38		1
	tert-Amyl methyl ether	5.5679		5.57		1

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6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**2**
QC Batch Number	**voa1052**
Client Sample ID	**41123SGA14BDW**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: voa1052

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	low	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	10.3404		103	**OK**	80	120
x	Fluorobenzene	10.821		108	**OK**	80	120
x	Toluene-D8	10.5756		106	**OK**	80	120
x	Ethylbenzene-d10	11.4007		114	**OK**	80	120
x	Bromofluorobenzene	10.0222		100	**OK**	80	120
x	Trifluorotoluene	10.0808		101	**OK**	80	120

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	pql
x	Chloroform	0.3407			0.341	J	1
x	Bromodichloromethane	0.4033			0.403	J	1
x	Dibromochloromethane	0.396			0.396	J	1
x	Bromoform	0.7764			0.776	J	1

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6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**9**
QC Batch Number	**voa1052**
Client Sample ID	**Trip Blank**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: voa1052

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Dibromofluoromethane	10.3654		104	**OK**	80	120
x	Fluorobenzene	10.8876		109	**OK**	80	120
x	Toluene-D8	10.6909		107	**OK**	80	120
x	Ethylbenzene-d10	11.0392		110	**OK**	80	120
x	Bromofluorobenzene	9.7526		97.5	**OK**	80	120
x	Trifluorotoluene	9.0288		90.3	**OK**	80	120

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**pql**
x	Chloromethane	0.2848		0.3205	0.285	J B1	1

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6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**10**
QC Batch Number	**voa1052**
Client Sample ID	**41123SGA15ERW**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: voa1052

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Dibromofluoromethane	10.4498		104	**OK**	80	120
x	Fluorobenzene	11.0117		110	**OK**	80	120
x	Toluene-D8	10.7201		107	**OK**	80	120
x	Ethylbenzene-d10	11.4276		114	**OK**	80	120
x	Bromofluorobenzene	9.8733		98.7	**OK**	80	120
x	Trifluorotoluene	8.9343		89.3	**OK**	80	120

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**pql**
x	Chloromethane	0.1271		0.3205	0.127	J B1	1
x	Methylene chloride	1.5654			1.57		1
x	Toluene	0.0609			0.0609	J	1

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6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**11**
QC Batch Number	**voa1052**
Client Sample ID	**41123SGA16ERW**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: voa1052

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Dibromofluoromethane	10.5729		106	**OK**	80	120
x	Fluorobenzene	10.9903		110	**OK**	80	120
x	Toluene-D8	10.6527		107	**OK**	80	120
x	Ethylbenzene-d10	11.4539		115	**OK**	80	120
x	Bromofluorobenzene	10.0867		101	**OK**	80	120
x	Trifluorotoluene	8.7721		87.7	**OK**	80	120

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**pql**
x	Chloromethane	0.1824		0.3205	0.182	J B1	1
x	Methylene chloride	1.7562			1.76		1

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6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**12**
QC Batch Number	**voa1052**
Client Sample ID	**Trip Blank**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: voa1052

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Dibromofluoromethane	10.4394		104	**OK**	80	120
x	Fluorobenzene	10.8688		109	**OK**	80	120
x	Toluene-D8	10.5406		105	**OK**	80	120
x	Ethylbenzene-d10	11.0591		111	**OK**	80	120
x	Bromofluorobenzene	9.6538		96.5	**OK**	80	120
x	Trifluorotoluene	10.3638		104	**OK**	80	120

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**pql**
x	Chloromethane	0.1967		0.3205	0.197	J B1	1

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6a **Sample Information** Analyst use only. Do not change! COE list

Related Blank: noblank

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**voa1052**
Client Sample ID	
Date Received	
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**blank**

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Dibromofluoromethane	10.2521		103	**OK**	80	120
x	Fluorobenzene	10.7701		108	**OK**	80	120
x	Toluene-D8	10.7146		107	**OK**	80	120
x	Ethylbenzene-d10	11.2594		113	**OK**	80	120
x	Bromofluorobenzene	9.9312		99.3	**OK**	80	120
x	Trifluorotoluene	9.5165		95.2	**OK**	80	120

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**pql**
x	Chloromethane	0.3205			0.321	J	1
	1,3,5-Trichlorobenzene	0.04			0.04	J	1
x	Naphthalene	0.1302			0.13	J	1

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6a **Sample Information** Analyst use only. Do not change! COE list

Related Blank: voa1052

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**voa1052**
Client Sample ID	
Date Received	
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**bs**

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	low	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	10.2257		102	**OK**	80	120
x	Fluorobenzene	10.7624		108	**OK**	80	120
x	Toluene-D8	10.9495		109	**OK**	80	120
x	Ethylbenzene-d10	11.0876		111	**OK**	80	120
x	Bromofluorobenzene	10.3824		104	**OK**	80	120
x	Trifluorotoluene	9.7865		97.9	**OK**	80	120

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	pql
x	Dichlorodifluoromethane	5.6837			5.68		1
x	Chloromethane	5.5778		0.3205	5.58	B2	1
x	Vinyl chloride	5.3926			5.39		1
x	Bromomethane	7.6004			7.6		1
x	Chloroethane	5.218			5.22		1
x	Trichlorofluoromethane	5.2141			5.21		1
x	1,1-Dichloroethene	4.7903			4.79		1
	1,1,2-Trichlorotrifluoroethane	4.7214			4.72		1
	Acrolein	5.6035			5.6		5
x	Carbon disulfide	22.0195			22		1
x	Acetone	11.3778			11.4		5
x	Methylene chloride	5.1667			5.17		1
	Methyl tert-butyl ether	5.5022			5.5		1
x	trans-1,2-Dichloroethene	4.8244			4.82		1
	Acrylonitrile	25.8874			25.9		5
	Hexane	4.5696			4.57		1
x	1,1-Dichloroethane	5.0494			5.05		1
x	Vinyl acetate	19.7053			19.7		5
x	2,2-Dichloropropane	3.9631			3.96		1
x	2-Butanone	15.5685			15.6		5

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x	cis-1,2-Dichloroethene	5.0862		5.09		1
	Tetrahydrofuran	26.781		26.8		5
x	Bromochloromethane	5.2811		5.28		1
x	Chloroform	5.0988		5.1		1
x	1,1,1-Trichloroethane	4.9121		4.91		1
x	Carbon Tetrachloride	5.0867		5.09		1
x	1,1-Dichloropropene	4.7888		4.79		1
x	Benzene	5.1626		5.16		1
x	1,2-Dichloroethane	5.0435		5.04		1
x	Trichloroethene	5.0484		5.05		1
x	1,2-Dichloropropane	5.4901		5.49		1
	1,4-Dioxane	136.0088		136		25
x	Dibromomethane	4.8571		4.86		1
x	Bromodichloromethane	5.1365		5.14		1
	2-Chloroethyl vinyl ether	40.8016		40.8		5
x	cis-1,3-Dichloropropene	4.911		4.91		1
x	4-Methyl-2-pentanone	26.1943		26.2		5
x	Toluene	5.0234		5.02		1
x	trans-1,3-Dichloropropene	4.5324		4.53		1
x	1,1,2-Trichloroethane	4.9001		4.9		1
x	Tetrachloroethene	4.8389		4.84		1
x	1,3-Dichloropropane	5.0259		5.03		1
x	2-Hexanone	19.3857		19.4		5
x	Dibromochloromethane	4.9354		4.94		1
x	1,2-Dibromoethane	5.1347		5.13		1
x	Chlorobenzene	4.8651		4.87		1
x	Ethylbenzene	4.9012		4.9		1
x	1,1,1,2-Tetrachloroethane	4.9958		5		1
x	m,p-Xylene	9.8869		9.89		2
x	o-Xylene	4.9233		4.92		1
x	Styrene	4.9323		4.93		1
x	Bromoform	4.7649		4.76		1
x	Isopropylbenzene	4.5478		4.55		1
x	Bromobenzene	4.7582		4.76		1
x	n-Propylbenzene	5.0025		5		1
x	1,1,2,2-Tetrachloroethane	5.3701		5.37		1
x	1,2,3-Trichloropropane	5.2988		5.3		1
x	2-Chlorotoluene	4.9481		4.95		1
x	1,3,5-Trimethylbenzene	4.9623		4.96		1
x	4-Chlorotoluene	4.6762		4.68		1
x	t-Butylbenzene	4.8464		4.85		1
x	1,2,4-Trimethylbenzene	5.1459		5.15		1
x	sec-Butylbenzene	4.9732		4.97		1
x	1,3-Dichlorobenzene	4.8526		4.85		1
x	4-Isopropyltoluene	4.6607		4.66		1
x	1,4-Dichlorobenzene	4.9055		4.91		1
x	n-Butylbenzene	4.7038		4.7		1
x	1,2-Dichlorobenzene	4.8416		4.84		1
x	1,2-Dibromo-3-chloropropane	5.0739		5.07		1
	1,3,5-Trichlorobenzene	5.0022	0.04	5	B2	1
x	1,2,4-Trichlorobenzene	4.8693		4.87		1

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x	1,2,3-Trichlorobenzene	4.8048		4.8		1
x	Hexachlorobutadiene	4.534		4.53		1
x	Naphthalene	5.1082	0.1302	5.11	B2	1
	Cyclohexane	4.6555		4.66		1
	Ethyl Ether	25.8338		25.8		5
	Ethyl Acetate	26.9671		27		5
	iso-Butyl Alcohol	549.535		550		100
	n-Butyl Alcohol	543.3312		543		100
	Methylcyclohexane	4.7953		4.8		1
	tert-Butyl alcohol	26.3488		26.3		5
	Diisopropyl ether	5.2425		5.24		1
	Ethyl tert-Butyl ether	5.2132		5.21		1
	tert-Amyl methyl ether	5.3405		5.34		1

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6a **Sample Information** Analyst use only. Do not change! COE list

Related Blank: voa1052

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**voa1052**
Client Sample ID	
Date Received	
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**bsd**

Sample volume (ml)		=	0.005 L	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	ug/L
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	10.3348		103	**OK**	80	120
x	Fluorobenzene	10.8561		109	**OK**	80	120
x	Toluene-D8	10.7536		108	**OK**	80	120
x	Ethylbenzene-d10	11.4299		114	**OK**	80	120
x	Bromofluorobenzene	10.4222		104	**OK**	80	120
x	Trifluorotoluene	9.6761		96.8	**OK**	80	120

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	pql
x	Dichlorodifluoromethane	5.7947			5.79		1
x	Chloromethane	5.4892		0.3205	5.49	B2	1
x	Vinyl chloride	5.7454			5.75		1
x	Bromomethane	9.4474			9.45		1
x	Chloroethane	5.4616			5.46		1
x	Trichlorofluoromethane	5.2862			5.29		1
x	1,1-Dichloroethene	4.8797			4.88		1
	1,1,2-Trichlorotrifluoroethane	4.84			4.84		1
	Acrolein	6.2756			6.28		5
x	Carbon disulfide	22.5032			22.5		1
x	Acetone	11.6455			11.6		5
x	Methylene chloride	5.38			5.38		1
	Methyl tert-butyl ether	5.4757			5.48		1
x	trans-1,2-Dichloroethene	5.0776			5.08		1
	Acrylonitrile	25.7722			25.8		5
	Hexane	4.7986			4.8		1
x	1,1-Dichloroethane	5.0686			5.07		1
x	Vinyl acetate	17.9177			17.9		5
x	2,2-Dichloropropane	3.9267			3.93		1
x	2-Butanone	17.3743			17.4		5

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x	cis-1,2-Dichloroethene	5.063		5.06		1
	Tetrahydrofuran	27.4488		27.4		5
x	Bromochloromethane	5.5065		5.51		1
x	Chloroform	5.0235		5.02		1
x	1,1,1-Trichloroethane	5.0573		5.06		1
x	Carbon Tetrachloride	5.0131		5.01		1
x	1,1-Dichloropropene	4.7299		4.73		1
x	Benzene	5.2707		5.27		1
x	1,2-Dichloroethane	5.1576		5.16		1
x	Trichloroethene	4.8241		4.82		1
x	1,2-Dichloropropane	4.9317		4.93		1
	1,4-Dioxane	140.6501		141		25
x	Dibromomethane	4.8571		4.86		1
x	Bromodichloromethane	5.065		5.07		1
	2-Chloroethyl vinyl ether	41.5119		41.5		5
x	cis-1,3-Dichloropropene	5.0169		5.02		1
x	4-Methyl-2-pentanone	24.9974		25		5
x	Toluene	5.0194		5.02		1
x	trans-1,3-Dichloropropene	4.4795		4.48		1
x	1,1,2-Trichloroethane	4.9921		4.99		1
x	Tetrachloroethene	4.8218		4.82		1
x	1,3-Dichloropropane	4.9488		4.95		1
x	2-Hexanone	17.4747		17.5		5
x	Dibromochloromethane	4.8444		4.84		1
x	1,2-Dibromoethane	5.0214		5.02		1
x	Chlorobenzene	4.8881		4.89		1
x	Ethylbenzene	4.9405		4.94		1
x	1,1,1,2-Tetrachloroethane	5.0228		5.02		1
x	m,p-Xylene	9.9914		9.99		2
x	o-Xylene	4.9087		4.91		1
x	Styrene	4.8159		4.82		1
x	Bromoform	4.8242		4.82		1
x	Isopropylbenzene	4.6172		4.62		1
x	Bromobenzene	4.8228		4.82		1
x	n-Propylbenzene	5.0013		5		1
x	1,1,2,2-Tetrachloroethane	5.1163		5.12		1
x	1,2,3-Trichloropropane	5.259		5.26		1
x	2-Chlorotoluene	4.9745		4.97		1
x	1,3,5-Trimethylbenzene	5.0328		5.03		1
x	4-Chlorotoluene	4.8228		4.82		1
x	t-Butylbenzene	4.8561		4.86		1
x	1,2,4-Trimethylbenzene	5.2364		5.24		1
x	sec-Butylbenzene	5.0993		5.1		1
x	1,3-Dichlorobenzene	4.8371		4.84		1
x	4-Isopropyltoluene	4.7423		4.74		1
x	1,4-Dichlorobenzene	4.9737		4.97		1
x	n-Butylbenzene	4.6281		4.63		1
x	1,2-Dichlorobenzene	4.9145		4.91		1
x	1,2-Dibromo-3-chloropropane	5.0828		5.08		1
	1,3,5-Trichlorobenzene	5.1234	0.04	5.12	B2	1
x	1,2,4-Trichlorobenzene	4.8408		4.84		1

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x	1,2,3-Trichlorobenzene	4.9582		4.96		1
x	Hexachlorobutadiene	4.493		4.49		1
x	Naphthalene	5.2323	0.1302	5.23	B2	1
	Cyclohexane	4.782		4.78		1
	Ethyl Ether	26.3361		26.3		5
	Ethyl Acetate	26.5055		26.5		5
	iso-Butyl Alcohol	550.6012		551		100
	n-Butyl Alcohol	542.3312		542		100
	Methylcyclohexane	5.0652		5.07		1
	tert-Butyl alcohol	26.6304		26.6		5
	Diisopropyl ether	5.3961		5.4		1
	Ethyl tert-Butyl ether	5.0472		5.05		1
	tert-Amyl methyl ether	5.4863		5.49		1

00519

Volatile GCMS Worksheet - total

QC Level:Tier IV | **Due: 12/08/04** | **Work Order - 125060**

Matrix:soli

URS Corpora Sample t | Proj. Manager:Katie Downie

Special Instructions

MS/MSD - Bradford Is Report & E Encores F Soil TOC s

Pounded w/ Plane

D.L.

ald

Sample number 125060-3

Sample Weight/Volume 5.16 dc

Client Sample ID: 041123SGA28SS

Date Received: 11/24/2004

Date Sampled: 1/23/2004 12:45:00 PM

VOCs - EPA 8260

Sample number 125060-4

Sample Weight/Volume 4.076 cc

Client Sample ID: 041123SGA29SS

Date Received: 11/24/2004

Date Sampled: 11/23/2004 1:15:00 PM

VOCs - EPA 8260 3.218

Sample number 125060-5

Sample Weight/Volume 4.3050

Client Sample ID: 041123SGA30SS

Date Received: 11/24/2004

Date Sampled: 11/23/2004 2:15:00 PM

VOCs - EPA 8260 3.744

Sample number 125060-6

Sample Weight/Volume 3.0000

Client Sample ID: 041123SGA31SS

Date Received: 11/24/2004

Date Sampled: 11/23/2004 2:30:00 PM

VOCs - EPA 8260 2.705

Sample number 125060-8

Sample Weight/Volume 5.648 cc

Client Sample ID: 041123SGA33SS

Date Received: 11/24/2004

Date Sampled: 11/23/2004 3:45:00 PM

VOCs - EPA 8260 5.093

-7 5.076 cc

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date _____

Reviewed by _____ Date 45081 _____

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

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VOLATILE EXTRACTION LOG

Date: 12/3/04
Analyst: [illegible]
Spike: STL VOA No.:
Spike Amount (uL):
LCS No.:
LCS Amount (ug/L):

QC Batch ID: VOA 1056
Methanol Lot No.: [illegible] N/A H SO4 Lot 010660 1N
VOA IS/SMC Std. No.: 1249-55-06
Instrument ID: 5ccvv1
Surrogate No.: 1249-55-05
Surrogate Amount (uL):

MATRIX:
Aqueous: _____ Leachate: _____ G / BTEX: Soil ____ Water ____

Low Soil: ✓ Medium Soil: _____ 5035 preserved: ✓ 5035 non-preserved: ✓ 5035 enhanced detection ____

Sample No.:	Sample Size (g/ml)	Extract Volume (ml)	Extract Used (ul)	Final Volume (ml)	Prep Dil	Inst.Dil	Instr. Loaded By	Comments
Method Blank	5	5					✓	
Blank Spike								
Blank Spike Duplicate								
1 125060-3	4.043							
2 -4	3.918							
3 -5	3.744							
4 -6	2.705							
5 -8	5.093							
6 125059-8	5.470 12/3/04							4.662
7 -10	5.180							2.610
8 -12	4.048							
9 -13	4.064							
10 -14	4.858							
11 -15	3.719							
12 -15ms	4.481							
13 -15msd	4.436							
14 -16	4.212							
15								
16								
17								
18								
19								
20								
21								
22								
23								

SPIKE WITNESSING: (CHECK OFF, SIGN & DATE)

Method
Special Spiking Instructions

Matrix
Spike Soln.
Amount Spiked

Signature: _____

Date: _____

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6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**3**
QC Batch Number	**voa1056**
Client Sample ID	**041123SGA28SS**
Date Received	**11-24-04**
Date Prepared	**12-03-04**
Date Analyzed	**12-03-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: voa1056

Sample weight (g)	**4.043**	=	0.00404 kg	Calc. Factor	1.41402403
Extract volume (ml)		=	10 ml	Dry Weight	3.5360078 g
Dilution Factor		=	1	Units	ug/kg
% Solids	**87.46**	=	0.8746	Spike Factor	1.41402403
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	10.2487		102	**OK**		
x	Fluorobenzene	9.0963		91	**OK**		
x	Toluene-D8	9.5739		95.7	**OK**		
x	Ethylbenzene-d10	9.465		94.7	**OK**		
x	Bromofluorobenzene	9.4033		94	**OK**		
x	Trifluorotoluene	24.6869		123	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Acetone	63.0167		60.9325	89.1	B1	7.07
x	Methylene chloride	1.7169		1.9898	2.43	B1	1.41
	Hexane	1242.073	e	1114.3	1760	B1 E	1.41
x	2-Butanone	6.2857		5.1025	8.89	B1	7.07
x	Benzene	0.1664		0.0639	0.235	J B1	1.41
x	Trichloroethene	0.0434			0.0614	J	1.41
x	Toluene	0.3065		0.1506	0.433	J B1	1.41
x	Ethylbenzene	0.0697		0.0419	0.0986	J B1	1.41
x	m,p-Xylene	0.1445		0.1348	0.204	J B1	2.83
x	o-Xylene	0.0537		0.0379	0.0759	J B1	1.41
x	Styrene	0.0947		0.0818	0.134	J B1	1.41
x	1,2,4-Trimethylbenzene	0.1523			0.215	J	1.41
x	4-Isopropyltoluene	0.1786			0.253	J	1.41

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6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**4**
QC Batch Number	**voa1056**
Client Sample ID	**041123SGA29SS**
Date Received	**11-24-04**
Date Prepared	**12-03-04**
Date Analyzed	**12-03-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: voa1056

Sample weight (g)	**3.918**	=	0.00392 kg	Calc. Factor	1.370300984
Extract volume (ml)		=	10 ml	Dry Weight	3.6488334 g
Dilution Factor		=	1	Units	ug/kg
% Solids	**93.13**	=	0.9313	Spike Factor	1.370300984
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	9.8462		98.5	**OK**		
x	Fluorobenzene	8.7786		87.8	**OK**		
x	Toluene-D8	9.8716		98.7	**OK**		
x	Ethylbenzene-d10	9.6623		96.6	**OK**		
x	Bromofluorobenzene	9.8986		99	**OK**		
x	Trifluorotoluene	17.9787		89.9	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Acetone	104.7303		60.9325	144	B1	6.85
x	Methylene chloride	3.1739		1.9898	4.35	B1	1.37
	Hexane	1266.607	e	1114.3	1740	B1 E	1.37
x	2-Butanone	7.7971		5.1025	10.7	B1	6.85
x	Benzene	0.0788		0.0639	0.108	J B1	1.37
x	Toluene	0.1719		0.1506	0.236	J B1	1.37
x	Ethylbenzene	0.0345		0.0419	0.0473	J B1	1.37
x	m,p-Xylene	0.1002		0.1348	0.137	J B1	2.74
x	Styrene	0.0747		0.0818	0.102	J B1	1.37
	Cyclohexane	0.5145			0.705	J	1.37

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6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**5**
QC Batch Number	**voa1056**
Client Sample ID	**041123SGA30SS**
Date Received	**11-24-04**
Date Prepared	**12-03-04**
Date Analyzed	**12-03-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: voa1056

Sample weight (g)	**3.744**	=	0.00374 kg	Calc. Factor	1.677094167
Extract volume (ml)		=	10 ml	Dry Weight	2.9813472 g
Dilution Factor		=	1	Units	ug/kg
% Solids	**79.63**	=	0.7963	Spike Factor	1.677094167
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	9.9398		99.4	**OK**		
x	Fluorobenzene	8.7639		87.6	**OK**		
x	Toluene-D8	9.5377		95.4	**OK**		
x	Ethylbenzene-d10	9.2881		92.9	**OK**		
x	Bromofluorobenzene	8.5093		85.1	**OK**		
x	Trifluorotoluene	15.1484		75.7	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Carbon disulfide	0.3271			0.549	J	1.68
x	Acetone	196.0646		60.9325	329	B1	8.39
x	Methylene chloride	3.206		1.9898	5.38	B1	1.68
	Hexane	1456.612	e	1114.3	2440	B1 E	1.68
x	2-Butanone	11.512		5.1025	19.3	B1	8.39
x	Benzene	0.2826		0.0639	0.474	J B1	1.68
x	Toluene	0.4688		0.1506	0.786	J B1	1.68
x	Ethylbenzene	0.1053		0.0419	0.177	J B1	1.68
x	m,p-Xylene	0.1799		0.1348	0.302	J B1	3.35
x	o-Xylene	0.0619		0.0379	0.104	J B1	1.68
x	1,2,4-Trimethylbenzene	0.15			0.252	J	1.68
x	4-Isopropyltoluene	0.0905			0.152	J	1.68

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6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**6**
QC Batch Number	**voa1056**
Client Sample ID	**041123SGA31SS**
Date Received	**11-24-04**
Date Prepared	**12-03-04**
Date Analyzed	**12-03-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: voa1056

Sample weight (g)	**2.705**	=	0.00271 kg	Calc. Factor	2.389694681
Extract volume (ml)		=	10 ml	Dry Weight	2.0923175 g
Dilution Factor		=	1	Units	ug/kg
% Solids	**77.35**	=	0.7735	Spike Factor	2.389694681
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	10.9133		109	**OK**		
x	Fluorobenzene	9.1582		91.6	**OK**		
x	Toluene-D8	9.6346		96.3	**OK**		
x	Ethylbenzene-d10	9.1325		91.3	**OK**		
x	Bromofluorobenzene	9.0637		90.6	**OK**		
x	Trifluorotoluene	19.9942		100	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Acetone	122.0705		60.9325	292	B1	11.9
x	Methylene chloride	3.9927		1.9898	9.54	B1	2.39
	Hexane	1641.312	e	1114.3	3920	B1 E	2.39
x	2-Butanone	12.227		5.1025	29.2	B1	11.9
x	Benzene	0.2152		0.0639	0.514	J B1	2.39
x	Toluene	0.5571		0.1506	1.33	J B1	2.39
x	Ethylbenzene	0.0423		0.0419	0.101	J B1	2.39
x	m,p-Xylene	0.119		0.1348	0.284	J B1	4.78
x	o-Xylene	0.0383		0.0379	0.0915	J B1	2.39
x	Styrene	0.0585		0.0818	0.14	J B1	2.39
x	4-Isopropyltoluene	0.465			1.11	J	2.39
	Cyclohexane	0.3316			0.792	J	2.39

STL Seattle

6a **Sample Information** Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**8**
QC Batch Number	**voa1056**
Client Sample ID	**041123SGA33SS**
Date Received	**11-24-04**
Date Prepared	**12-03-04**
Date Analyzed	**12-03-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: voa1056

Sample weight (g)	**5.093**	=	0.00509 kg	Calc. Factor	1.208592444
Extract volume (ml)		=	10 ml	Dry Weight	4.1370439 g
Dilution Factor		=	1	Units	ug/kg
% Solids	**81.23**	=	0.8123	Spike Factor	1.208592444
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	10.1617		102	**OK**		
x	Fluorobenzene	9.023		90.2	**OK**		
x	Toluene-D8	9.7222		97.2	**OK**		
x	Ethylbenzene-d10	9.59		95.9	**OK**		
x	Bromofluorobenzene	9.3185		93.2	**OK**		
x	Trifluorotoluene	21.8061		109	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Bromomethane	0.5959		0.5848	0.72	J B1	1.21
x	Acetone	63.3409		60.9325	76.6	B1	6.04
x	Methylene chloride	1.772		1.9898	2.14	B1	1.21
	Hexane	1394.639	e	1114.3	1690	B1 E	1.21
x	2-Butanone	8.7452		5.1025	10.6	B1	6.04
x	Benzene	0.3275		0.0639	0.396	J B1	1.21
x	Trichloroethene	0.0372			0.045	J	1.21
x	Toluene	0.3004		0.1506	0.363	J B1	1.21
x	Tetrachloroethene	0.7862			0.95	J	1.21
x	Ethylbenzene	0.0526		0.0419	0.0636	J B1	1.21
x	m,p-Xylene	0.1234		0.1348	0.149	J B1	2.42
x	o-Xylene	0.0391		0.0379	0.0473	J B1	1.21
x	Styrene	0.0824		0.0818	0.0996	J B1	1.21

STL Seattle

6a **Sample Information** Analyst use only. Do not change! COE list

Related Blank: noblank

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**voa1056**
Client Sample ID	
Date Received	
Date Prepared	**12-03-04**
Date Analyzed	**12-03-04**
Sample matrix type	**solid**
QC sample type	**blank**

Sample weight (g)		=	0.005 kg	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	5 g
Dilution Factor		=	1	Units	ug/kg
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	9.8573		98.6	**OK**		
x	Fluorobenzene	8.774		87.7	**OK**		
x	Toluene-D8	9.7109		97.1	**OK**		
x	Ethylbenzene-d10	9.3203		93.2	**OK**		
x	Bromofluorobenzene	9.6785		96.8	**OK**		
x	Trifluorotoluene	21.6094		108	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Bromomethane	0.5848			0.585	J	1
x	Acetone	60.9325	n		60.9	N	5
x	Methylene chloride	1.9898	n		1.99	N	1
	Hexane	1114.303	n		1110	N	1
x	2-Butanone	5.1025	n		5.1	N	5
x	Benzene	0.0639			0.0639	J	1
x	Toluene	0.1506			0.151	J	1
x	Ethylbenzene	0.0419			0.0419	J	1
x	m,p-Xylene	0.1348			0.135	J	2
x	o-Xylene	0.0379			0.0379	J	1
x	Styrene	0.0818			0.0818	J	1

STL Seattle

6a **Sample Information** Analyst use only. Do not change! COE list

Related Blank: voa1056

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**voa1056**
Client Sample ID	
Date Received	
Date Prepared	**12-03-04**
Date Analyzed	**12-03-04**
Sample matrix type	**solid**
QC sample type	**bs**

Sample weight (g)		=	0.005 kg	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	5 g
Dilution Factor		=	1	Units	ug/kg
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Dibromofluoromethane	9.6889		96.9	**OK**		
x	Fluorobenzene	8.8925		88.9	**OK**		
x	Toluene-D8	9.8234		98.2	**OK**		
x	Ethylbenzene-d10	9.6617		96.6	**OK**		
x	Bromofluorobenzene	10.3782		104	**OK**		
x	Trifluorotoluene	21.2859		106	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Dichlorodifluoromethane	4.1236			4.12		1
x	Chloromethane	3.3187			3.32		1
x	Vinyl chloride	3.918			3.92		1
x	Bromomethane	4.5727		0.5848	4.57	B1	1
x	Chloroethane	3.8311			3.83		1
x	Trichlorofluoromethane	3.6927			3.69		1
x	1,1-Dichloroethene	3.6351			3.64		1
	1,1,2-Trichlorotrifluoroethane	3.8592			3.86		1
x	Carbon disulfide	16.0908			16.1		1
x	Acetone	125.6076		60.9325	126	B1	5
x	Methylene chloride	6.3413		1.9898	6.34	B1	1
	Methyl tert-butyl ether	5.0735			5.07		1
x	trans-1,2-Dichloroethene	3.7083			3.71		1
	Hexane	1117.616		1114.3	1120	B1	1
x	1,1-Dichloroethane	3.6924			3.69		1
x	Vinyl acetate	8.6744			8.67		5
x	2,2-Dichloropropane	3.7629			3.76		1
x	2-Butanone	35.7183		5.1025	35.7	B1	5
x	cis-1,2-Dichloroethene	3.7137			3.71		1
x	Bromochloromethane	4.4015			4.4		1

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x	Chloroform	3.6435		3.64		1
x	1,1,1-Trichloroethane	3.8418		3.84		1
x	Carbon Tetrachloride	3.5087		3.51		1
x	1,1-Dichloropropene	3.4446		3.44		1
x	Benzene	3.6918	0.0639	3.69	B2	1
x	1,2-Dichloroethane	4.4038		4.4		1
x	Trichloroethene	3.7389		3.74		1
x	1,2-Dichloropropane	3.9246		3.92		1
x	Dibromomethane	4.7924		4.79		1
x	Bromodichloromethane	3.8406		3.84		1
x	cis-1,3-Dichloropropene	4.0626		4.06		1
x	4-Methyl-2-pentanone	39.1862		39.2		5
x	Toluene	4.0594	0.1506	4.06	B2	1
x	trans-1,3-Dichloropropene	3.9114		3.91		1
x	1,1,2-Trichloroethane	4.8965		4.9		1
x	Tetrachloroethene	3.9158		3.92		1
x	1,3-Dichloropropane	4.6733		4.67		1
x	2-Hexanone	38.4877		38.5		5
x	Dibromochloromethane	3.879		3.88		1
x	1,2-Dibromoethane	4.941		4.94		1
x	Chlorobenzene	3.9311		3.93		1
x	Ethylbenzene	3.9101	0.0419	3.91	B2	1
x	1,1,1,2-Tetrachloroethane	3.6646		3.66		1
x	m,p-Xylene	7.7059	0.1348	7.71	B2	2
x	o-Xylene	3.873	0.0379	3.87	B2	1
x	Styrene	2.5322	0.0818	2.53	B2	1
x	Bromoform	4.0585		4.06		1
x	Isopropylbenzene	3.6065		3.61		1
x	Bromobenzene	3.8547		3.85		1
x	n-Propylbenzene	3.9915		3.99		1
x	1,1,2,2-Tetrachloroethane	5.4847		5.48		1
x	1,2,3-Trichloropropane	6.5837		6.58		1
x	2-Chlorotoluene	3.6418		3.64		1
x	1,3,5-Trimethylbenzene	3.7021		3.7		1
x	4-Chlorotoluene	3.6916		3.69		1
x	t-Butylbenzene	3.6672		3.67		1
x	1,2,4-Trimethylbenzene	4.0104		4.01		1
x	sec-Butylbenzene	4.0815		4.08		1
x	1,3-Dichlorobenzene	3.6832		3.68		1
x	4-Isopropyltoluene	3.7107		3.71		1
x	1,4-Dichlorobenzene	3.5898		3.59		1
x	n-Butylbenzene	3.6521		3.65		1
x	1,2-Dichlorobenzene	3.6637		3.66		1
x	1,2-Dibromo-3-chloropropane	5.7404		5.74		1
	1,3,5-Trichlorobenzene	3.5571		3.56		1
x	1,2,4-Trichlorobenzene	3.4859		3.49		1
x	1,2,3-Trichlorobenzene	3.4865		3.49		1
x	Hexachlorobutadiene	3.5941		3.59		1
x	Naphthalene	5.3877		5.39		1
	Cyclohexane	3.6292		3.63		1
	Methylcyclohexane	3.9824		3.98		1

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tert-Butyl alcohol	19.5894	19.6	5
Diisopropyl ether	3.9733	3.97	1
Ethyl tert-Butyl ether	3.6831	3.68	1
tert-Amyl methyl ether	4.5181	4.52	1

STL Seattle

6a **Sample Information** Analyst use only. Do not change! COE list

Related Blank: voa1056

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**voa1056**
Client Sample ID	
Date Received	
Date Prepared	**12-03-04**
Date Analyzed	**12-03-04**
Sample matrix type	**solid**
QC sample type	**bsd**

Sample weight (g)		=	0.005 kg	Calc. Factor	1
Extract volume (ml)		=	10 ml	Dry Weight	5 g
Dilution Factor		=	1	Units	ug/kg
% Solids		=	1	Spike Factor	1
Medium Level	**low**	=	5	Rep. Dil. Fact.	1
Report in PPM		=	1	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	SMC / Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Dibromofluoromethane	9.8236		98.2	**OK**		
x	Fluorobenzene	8.9024		89	**OK**		
x	Toluene-D8	9.6503		96.5	**OK**		
x	Ethylbenzene-d10	9.4859		94.9	**OK**		
x	Bromofluorobenzene	10.1444		101	**OK**		
x	Trifluorotoluene	23.6384		118	**OK**		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Dichlorodifluoromethane	4.5152			4.52		1
x	Chloromethane	3.6264			3.63		1
x	Vinyl chloride	4.2698			4.27		1
x	Bromomethane	5.8344		0.5848	5.83	B1	1
x	Chloroethane	4.5755			4.58		1
x	Trichlorofluoromethane	3.9885			3.99		1
x	1,1-Dichloroethene	2.943			2.94		1
	1,1,2-Trichlorotrifluoroethane	3.5255			3.53		1
x	Carbon disulfide	16.8549			16.9		1
x	Acetone	104.5169		60.9325	105	B1	5
x	Methylene chloride	5.836		1.9898	5.84	B1	1
	Methyl tert-butyl ether	5.6045			5.6		1
x	trans-1,2-Dichloroethene	4.0691			4.07		1
	Hexane	757.5775		1114.3	758	B1	1
x	1,1-Dichloroethane	4.117			4.12		1
x	Vinyl acetate	9.665			9.67		5
x	2,2-Dichloropropane	4.2643			4.26		1
x	2-Butanone	39.9548		5.1025	40	B1	5
x	cis-1,2-Dichloroethene	4.1053			4.11		1
x	Bromochloromethane	4.8814			4.88		1

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x	Chloroform	4.172		4.17		1
x	1,1,1-Trichloroethane	4.1313		4.13		1
x	Carbon Tetrachloride	3.7606		3.76		1
x	1,1-Dichloropropene	3.8654		3.87		1
x	Benzene	4.0015	0.0639	4	B2	1
x	1,2-Dichloroethane	4.7916		4.79		1
x	Trichloroethene	4.009		4.01		1
x	1,2-Dichloropropane	3.9014		3.9		1
x	Dibromomethane	5.3216		5.32		1
x	Bromodichloromethane	4.0426		4.04		1
	2-Chloroethyl vinyl ether	0.0297	ND			5
x	cis-1,3-Dichloropropene	4.3039		4.3		1
x	4-Methyl-2-pentanone	45.7461		45.7		5
x	Toluene	4.2174	0.1506	4.22	B2	1
x	trans-1,3-Dichloropropene	4.1409		4.14		1
x	1,1,2-Trichloroethane	5.1373		5.14		1
x	Tetrachloroethene	4.2031		4.2		1
x	1,3-Dichloropropane	4.9211		4.92		1
x	2-Hexanone	42.5423		42.5		5
x	Dibromochloromethane	4.0763		4.08		1
x	1,2-Dibromoethane	5.3012		5.3		1
x	Chlorobenzene	4.0813		4.08		1
x	Ethylbenzene	4.1052	0.0419	4.11	B2	1
x	1,1,1,2-Tetrachloroethane	3.8984		3.9		1
x	m,p-Xylene	8.133	0.1348	8.13	B2	2
x	o-Xylene	4.0531	0.0379	4.05	B2	1
x	Styrene	3.2172	0.0818	3.22	B2	1
x	Bromoform	4.596		4.6		1
x	Isopropylbenzene	3.852		3.85		1
x	Bromobenzene	4.067		4.07		1
x	n-Propylbenzene	4.2399		4.24		1
x	1,1,2,2-Tetrachloroethane	6.2709		6.27		1
x	1,2,3-Trichloropropane	7.3022		7.3		1
x	2-Chlorotoluene	3.9332		3.93		1
x	1,3,5-Trimethylbenzene	3.9401		3.94		1
x	4-Chlorotoluene	3.8676		3.87		1
x	t-Butylbenzene	3.8818		3.88		1
x	1,2,4-Trimethylbenzene	4.1479		4.15		1
x	sec-Butylbenzene	4.335		4.34		1
x	1,3-Dichlorobenzene	3.8938		3.89		1
x	4-Isopropyltoluene	3.9545		3.95		1
x	1,4-Dichlorobenzene	3.738		3.74		1
x	n-Butylbenzene	4.0016		4		1
x	1,2-Dichlorobenzene	3.9004		3.9		1
x	1,2-Dibromo-3-chloropropane	7.5412		7.54		1
	1,3,5-Trichlorobenzene	3.9107		3.91		1
x	1,2,4-Trichlorobenzene	3.9762		3.98		1
x	1,2,3-Trichlorobenzene	4.3085		4.31		1
x	Hexachlorobutadiene	4.1445		4.14		1
x	Naphthalene	7.0273		7.03		1
	Cyclohexane	3.9437		3.94		1

STL Seattle

Methylcyclohexane	4.1152	4.12	1
tert-Butyl alcohol	21.2186	21.2	5
Diisopropyl ether	4.2847	4.28	1
Ethyl tert-Butyl ether	4.3455	4.35	1
tert-Amyl methyl ether	4.9385	4.94	1

00533

SEMIVOLATILE DATA PACKAGE

SAMPLE DATA

00535

Quantification Report (QT Reviewed)

Data File : U:\DATA\113004\B03582.D Vial: 0
Acq On : 30 Nov 2004 20:11 Operator: CLZ
Sample : 125060-1 SW0140 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 04 10:42:36 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration
DataAcq Meth :

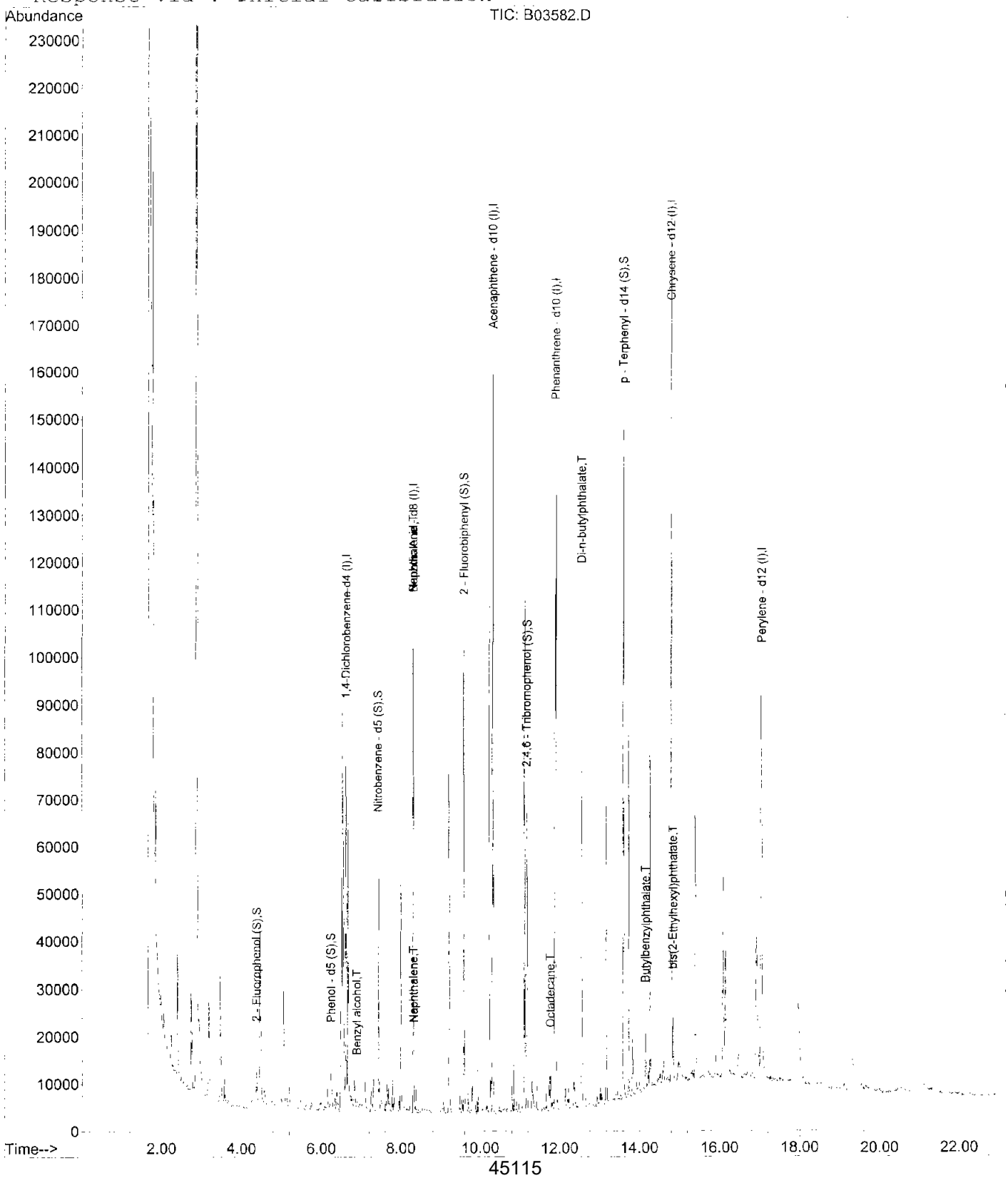
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.63	152	11353	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.31	136	54395	1000.00 ug/L	-0.01
36) Acenaphthene - d10 (I)	10.32	162	35931	1000.00 ug/L	-0.01
60) Phenanthrene - d10 (I)	11.90	188	49507	1000.00 ug/L	-0.01
77) Chrysene - d12 (I)	14.80	240	75031+	1000.00 ul/l	0.00
83) Perylene - d12 (I)	17.05	264	83651+	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.39	112	3402	283.67 ug/L	0.00
6) Phenol - d5 (S)	6.25	99	2294	162.10 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.44	82	17556	1172.44 ug/L	-0.03
41) 2 - Fluorobiphenyl (S)	9.59	172	28095	1015.51 ug/L	0.00
63) 2,4,6 - Tribromophenol (S)	11.18	330	8693	920.82 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.61	244	52698	1247.17 ug/L	-0.03
Target Compounds					Qvalue
13) Benzyl alcohol	6.90	79	865	50.57 ug/L #	43
27) Benzoic Acid	8.31	105	44	6.10 ug/L	100
30) Naphthalene	8.34	128	699	16.59 ug/L #	63
70) Octadecane	11.77	57	1449	110.73 ug/L	82
72) Di-n-butylphthalate	12.56	149	17058	413.91 ug/L	92
78) Butylbenzylphthalate	14.16	149	2758	125.58 ug/L	82
82) bis(2-Ethylhexyl)phthalate	14.85	149	5520	155.63 ug/L	96

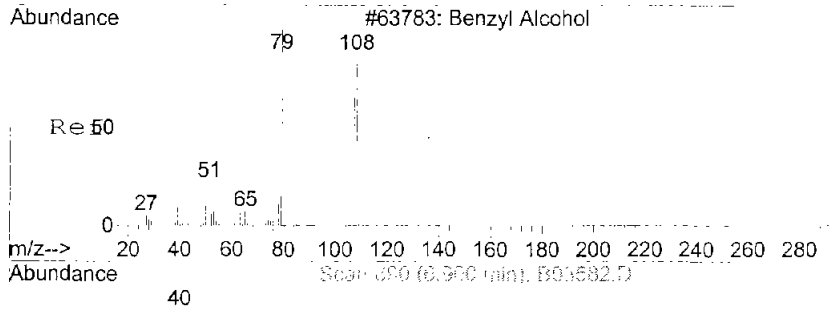
(#) = qualifier out of range (m) = manual integration (+) = signals summed
B03582.D 111604.M Sat Dec 04 10:45:33 2004 Page 1

00536

Data File : U:\DATA\113004\B03582.D Vial: 0
Acq On : 30 Nov 2004 20:11 Operator: CLZ
Sample : 125060-1 SW0140 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 4 10:45 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration

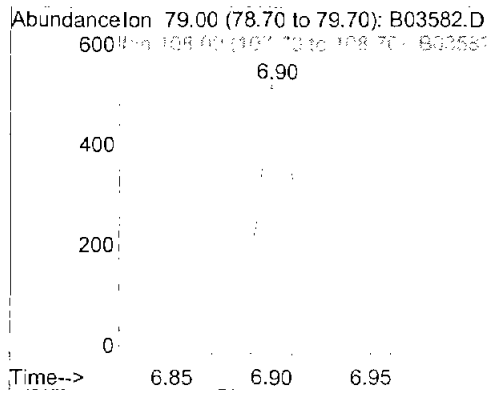


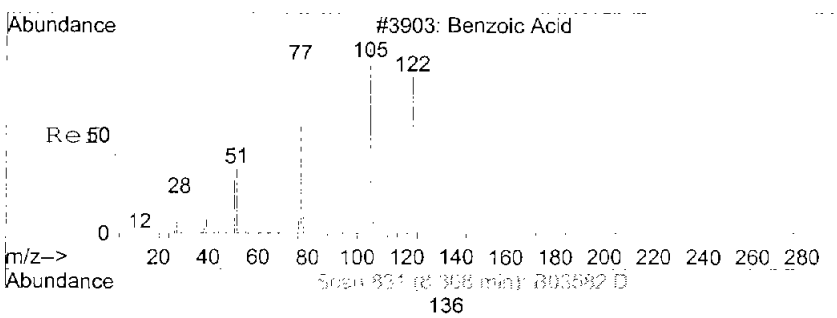


#13
Benzyl alcohol
Concen: 50.57 ug/L
RT: 6.90 min Scan# 690
Delta R.T. -0.01 min
Lab File: B03582.D
Acq: 30 Nov 2004 20:11

Tgt Ion: 79 Resp: 865

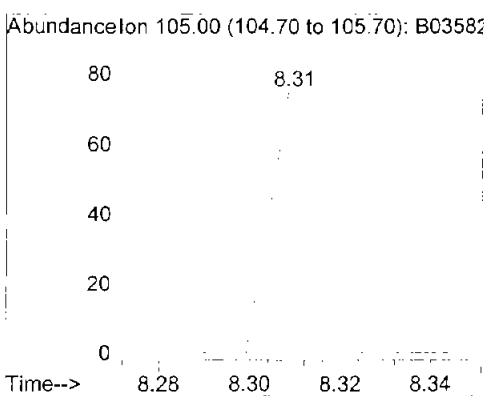
Ion	Ratio	Lower	Upper
79	100		
108	0.0	0.0	71.6

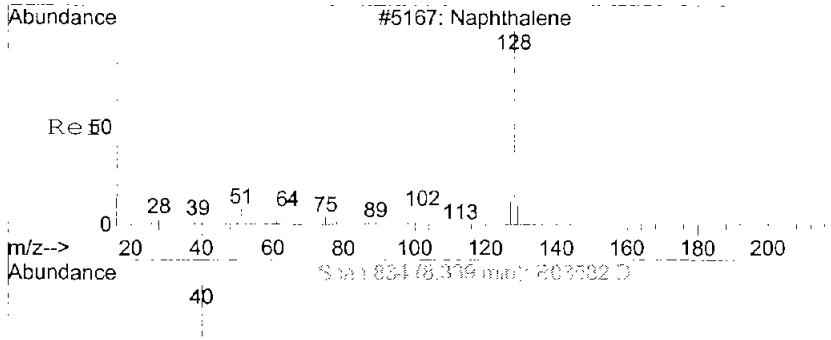




#27
Benzoic Acid
Concen: 6.10 ug/L
RT: 8.31 min Scan# 831
Delta R.T. 0.08 min
Lab File: B03582.D
Acq: 30 Nov 2004 20:11

Tgt Ion:105 Resp: 44

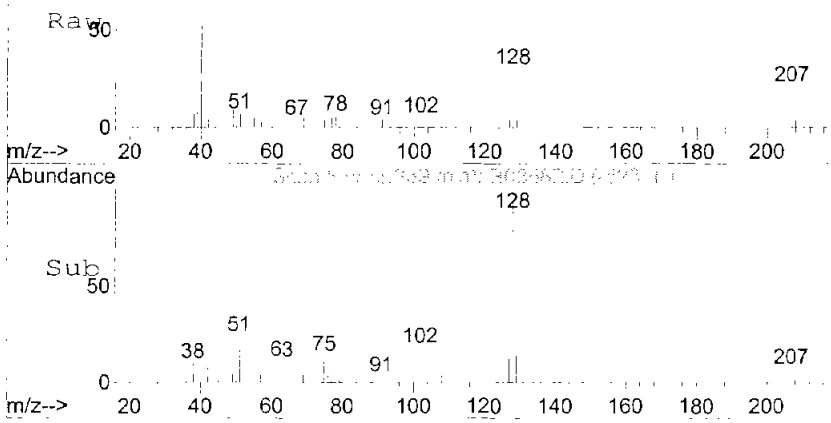


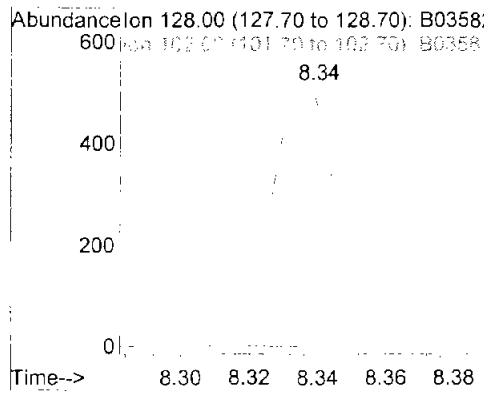


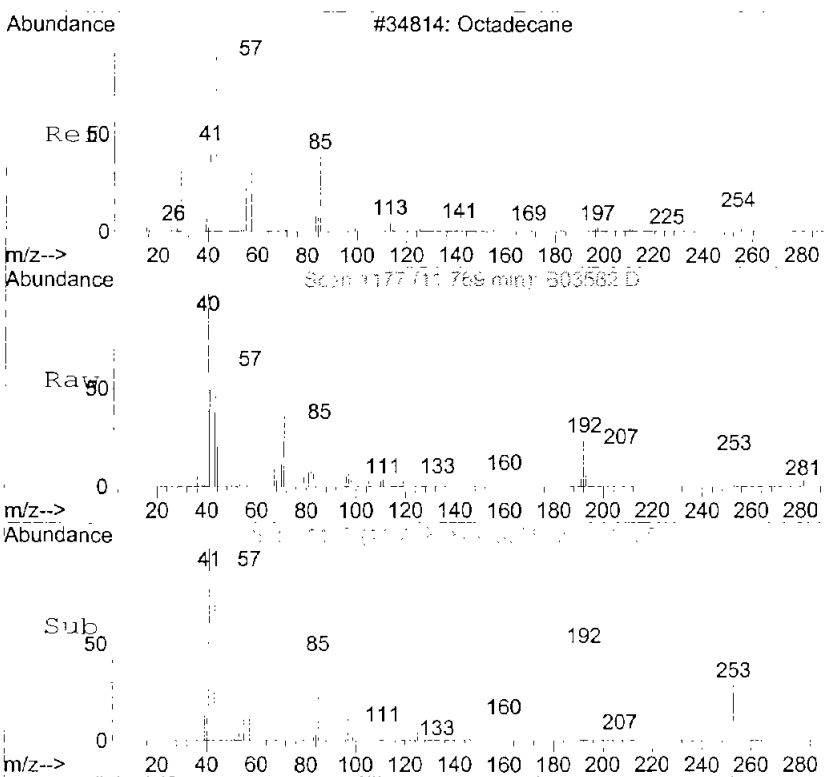
#30
Naphthalene
Concen: 16.59 ug/L
RT: 8.34 min Scan# 834
Delta R.T. 0.01 min
Lab File: B03582.D
Acq: 30 Nov 2004 20:11

Tgt Ion:128 Resp: 699

Ion	Ratio	Lower	Upper
128	100		
102	0.0	0.0	55.7



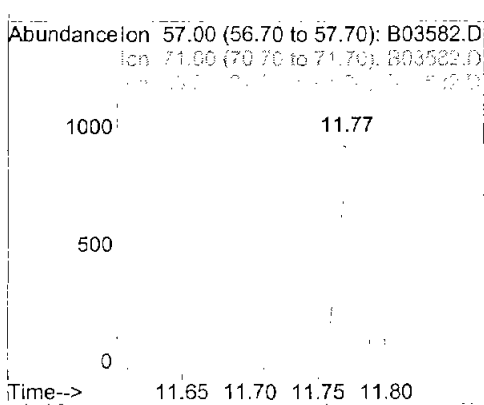




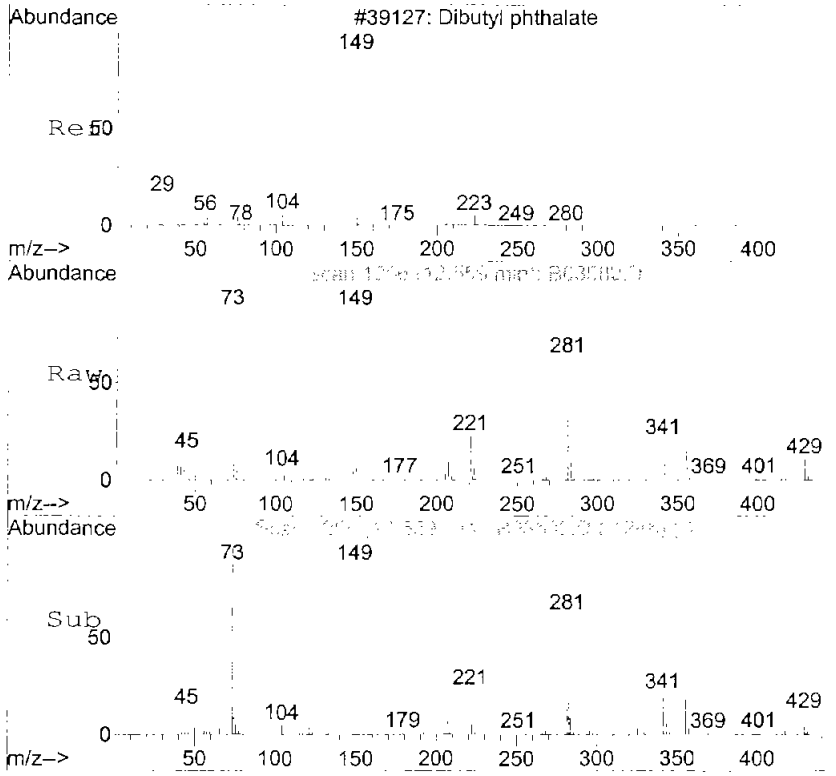
#70
Octadecane
Concen: 110.73 ug/L
RT: 11.77 min Scan# 1177
Delta R.T. 0.02 min
Lab File: B03582.D
Acq: 30 Nov 2004 20:11

Tgt Ion: 57 Resp: 1449

Ion	Ratio	Lower	Upper
57	100		
71	58.2	26.4	106.4
85	39.7	20.4	100.4



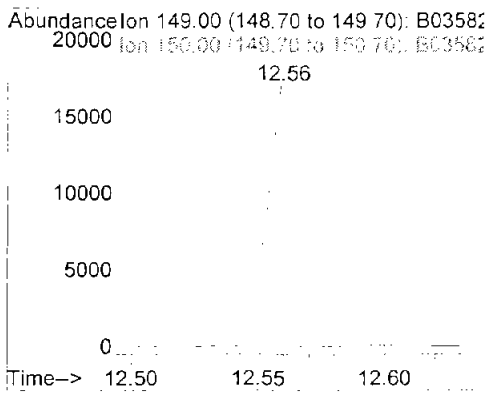
00539

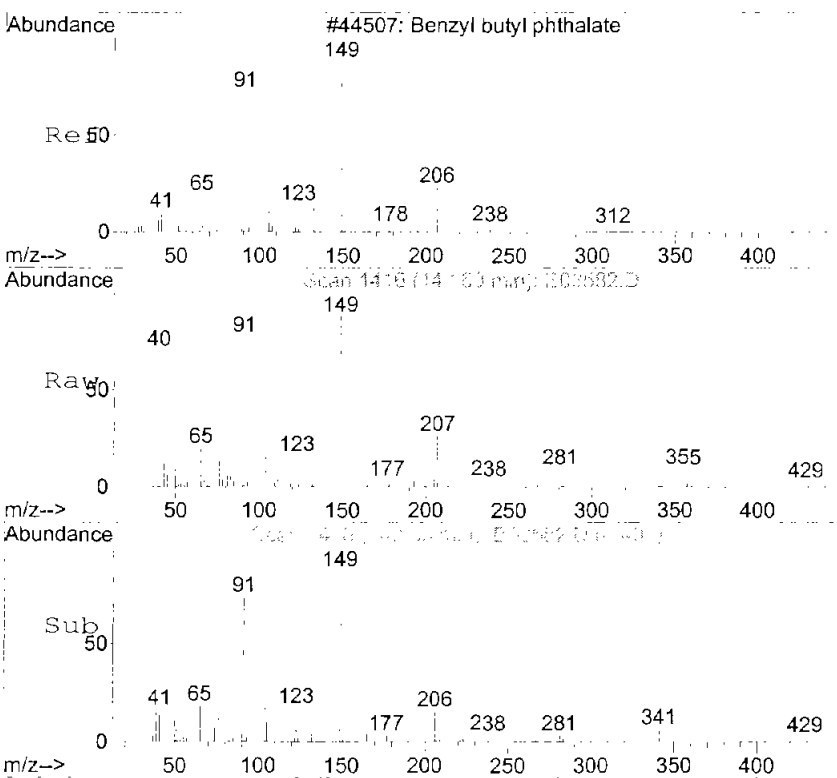


#72
Di-n-butylphthalate
Concen: 413.91 ug/L
RT: 12.56 min Scan# 1256
Delta R.T. 0.00 min
Lab File: B03582.D
Acq: 30 Nov 2004 20:11

Tgt Ion:149 Resp: 17058

Ion	Ratio	Lower	Upper
149	100		
150	7.1	0.0	50.0

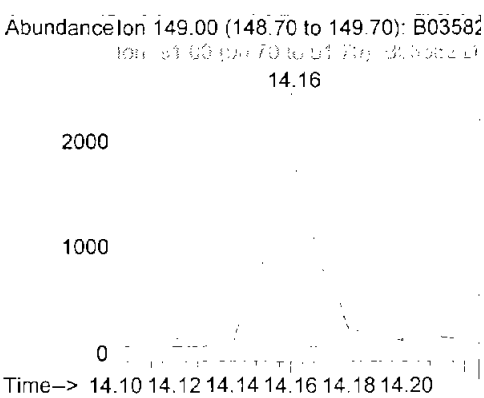


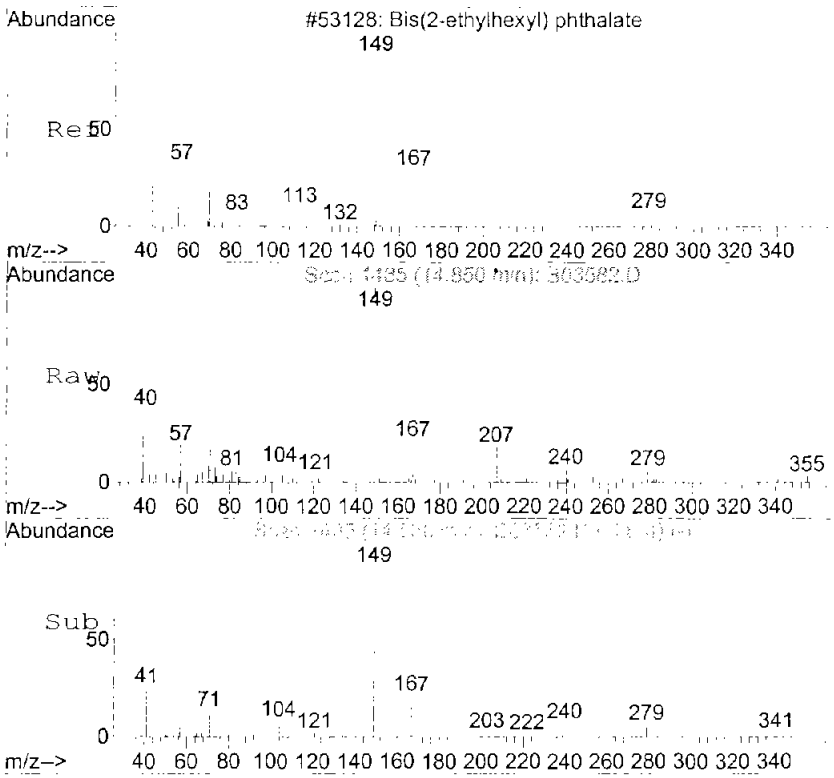


#78
Butylbenzylphthalate
Concen: 125.58 ug/L
RT: 14.16 min Scan# 1416
Delta R.T. 0.02 min
Lab File: B03582.D
Acq: 30 Nov 2004 20:11

Tgt Ion:149 Resp: 2758

Ion	Ratio	Lower	Upper
149	100		
91	68.6	45.0	125.0

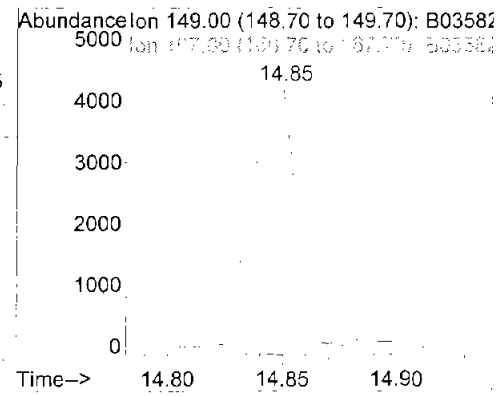




#62
bis(2-Ethylhexyl)phthalate
Concen: 155.63 ug/L
RT: 14.85 min Scan# 1485
Delta R.T. 0.01 min
Lab File: B03582.D
Acq: 30 Nov 2004 20:11

Tgt Ion:149 Resp: 5520

Ion	Ratio	Lower	Upper
149	100		
167	20.4	0.0	62.6



Data File : U:\DATA\113004\B03585.D Vial: 0
Acq On : 30 Nov 2004 21:36 Operator: CLZ
Sample : 125060-2 SW0140 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 04 10:48:33 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.63	152	13669	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.32	136	62774	1000.00 ug/L	0.00
36) Acenaphthene - d10 (I)	10.33	162	35968	1000.00 ug/L	0.00
60) Phenanthrene - d10 (I)	11.91	188	49904	1000.00 ug/L	0.00
77) Chrysene - d12 (I)	14.80	240	71905+	1000.00 ul/l	0.00
83) Perylene - d12 (I)	17.05	264	84764+	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.40	112	6308	436.86 ug/L	0.01
6) Phenol - d5 (S)	6.25	99	4373	256.64 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.45	82	15156	877.06 ug/L	-0.02
41) 2 - Fluorobiphenyl (S)	9.60	172	25670	926.91 ug/L	0.01
63) 2,4,6 - Tribromophenol (S)	11.19	330	11394	1197.33 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.61	244	50958	1196.39 ug/L	-0.03
Target Compounds					Qvalue
13) Benzyl alcohol	6.91	79	1966	95.47 ug/L #	43
30) Naphthalene	8.35	128	605	12.44 ug/L #	63
70) Octadecane	11.78	57	487	36.92 ug/L #	18
72) Di-n-butylphthalate	12.57	149	23605	568.21 ug/L	95
78) Butylbenzylphthalate	14.16	149	3741	177.74 ug/L	86
82) bis(2-Ethylhexyl)phthalate	14.85	149	6714	197.52 ug/L	95
84) Di-n-octylphthalate	15.69	149	2763	42.53 ug/L #	73

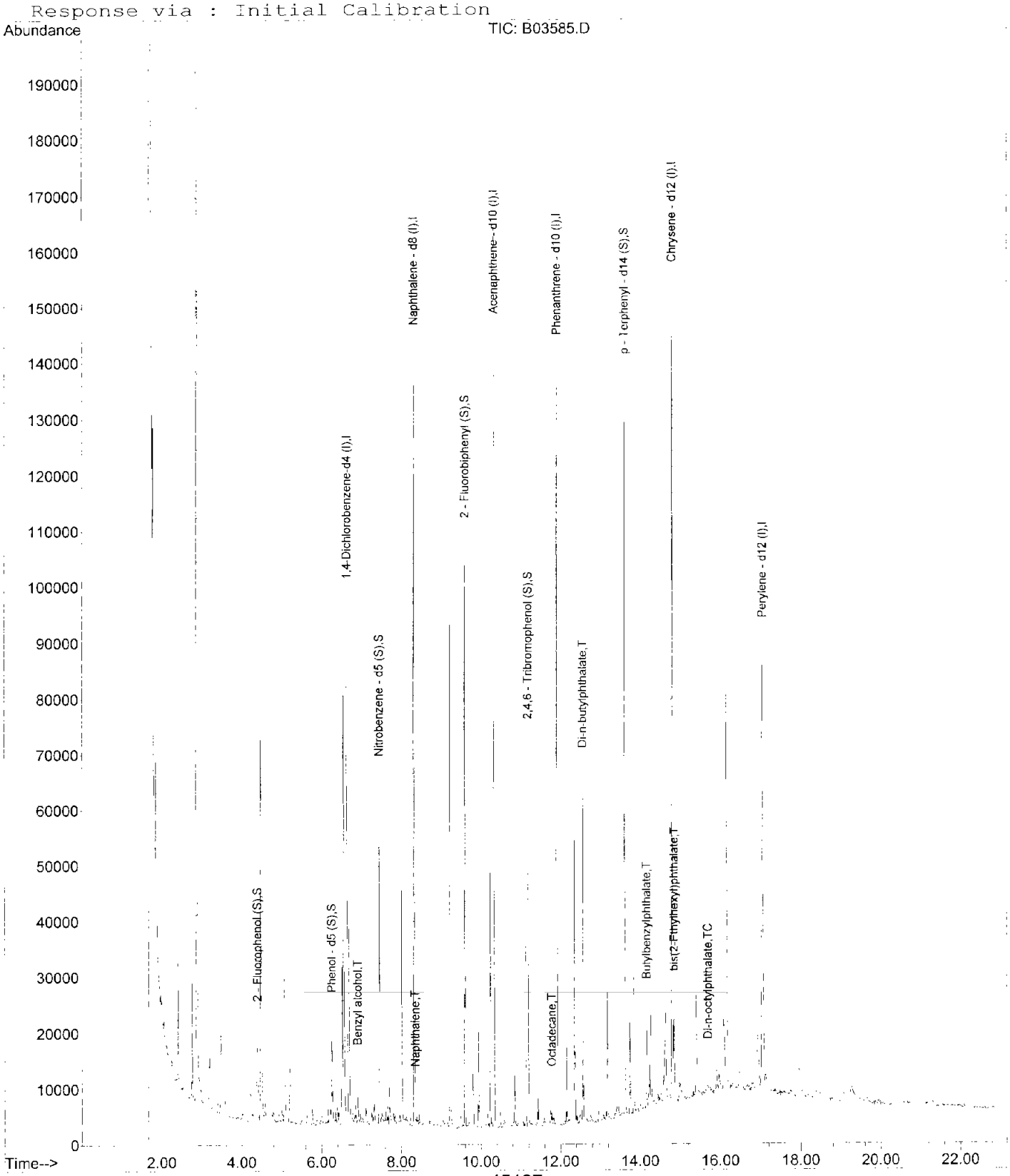
(#) = qualifier out of range (m) = manual integration (+) = signals summed
45125

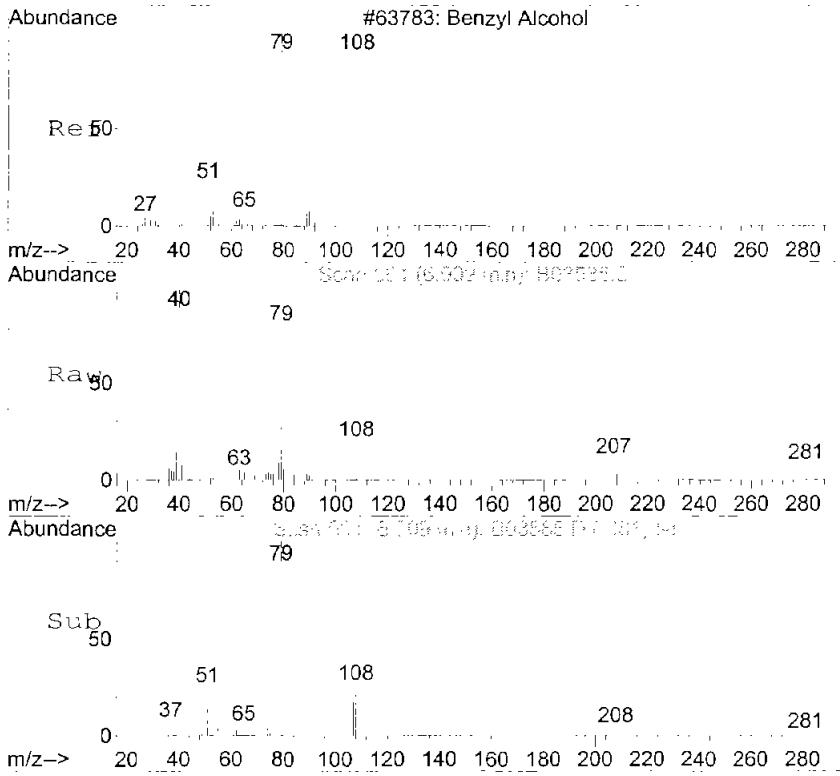
00542

Data File : U:\DATA\113004\B03585.D
Acq On : 30 Nov 2004 21:36
Sample : 125060-2 SW0140 &1.0 WATER
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 4 10:48 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration

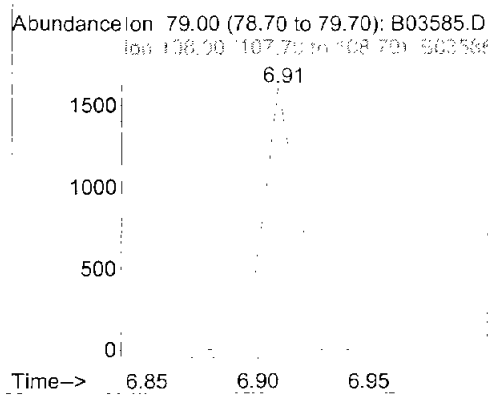


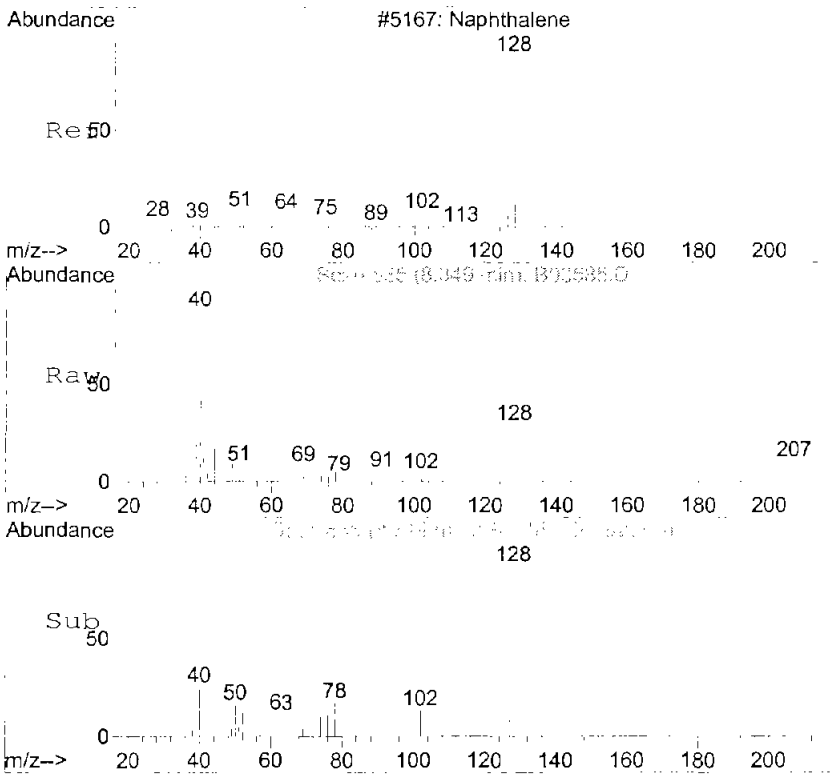


#13
Benzyl alcohol
Concen: 95.47 ug/L
RT: 6.91 min Scan# 691
Delta R.T. -0.00 min
Lab File: B03585.D
Acq: 30 Nov 2004 21:36

Tgt Ion: 79 Resp: 1966

Ion	Ratio	Lower	Upper
79	100		
108	0.0	0.0	71.6

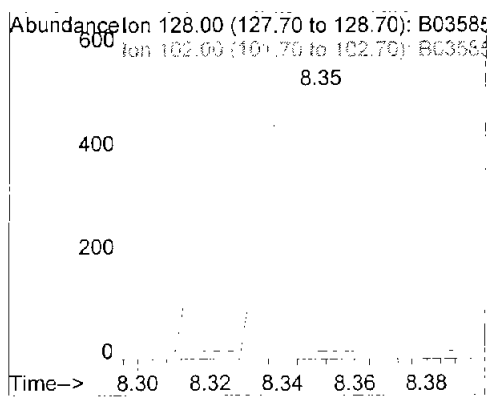


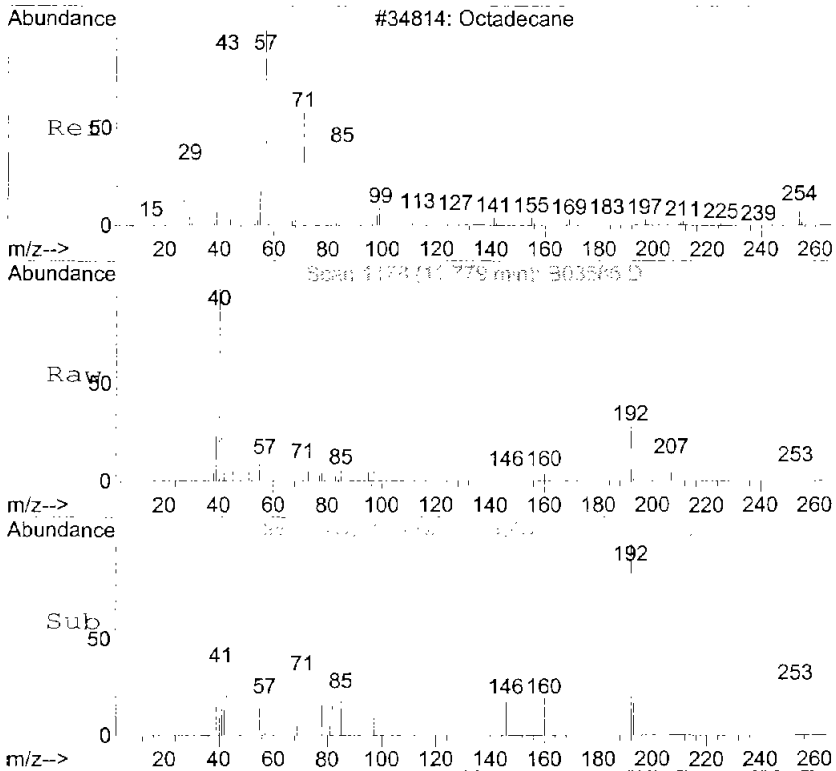


#30
Naphthalene
Concen: 12.44 ug/L
RT: 8.35 min Scan# 835
Delta R.T. 0.02 min
Lab File: B03585.D
Acq: 30 Nov 2004 21:36

Tgt Ion:128 Resp: 605

Ion	Ratio	Lower	Upper
128	100		
102	0.0	0.0	55.7

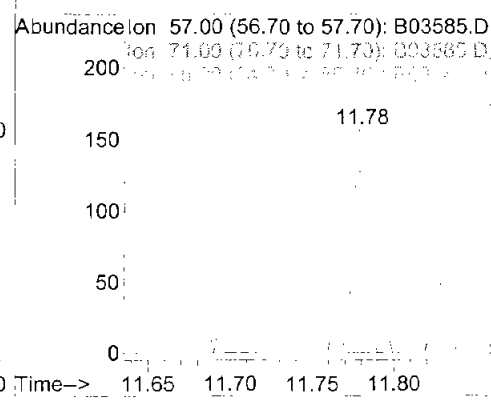


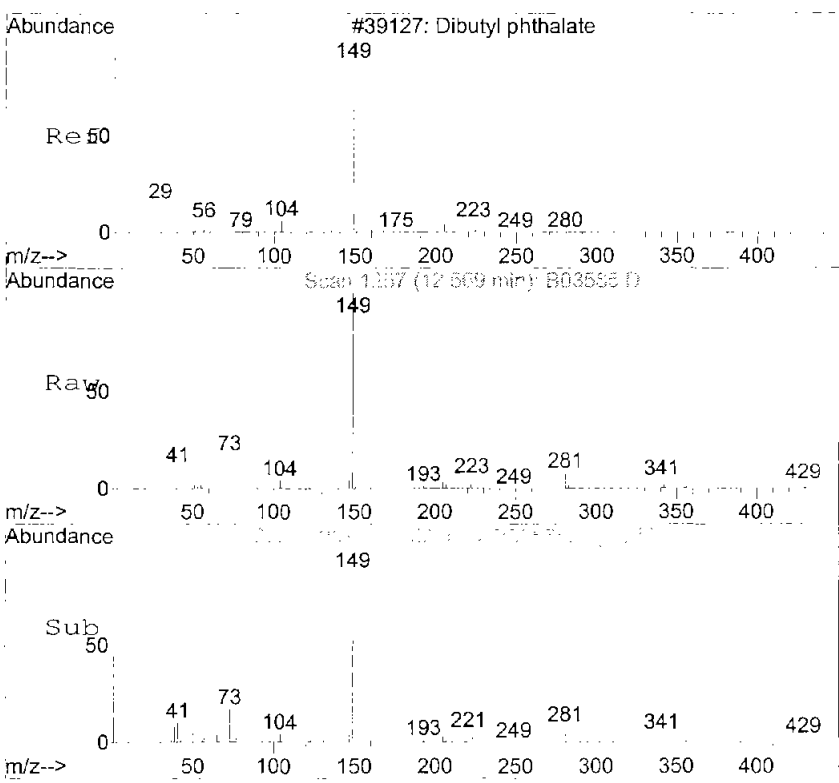


#70
Octadecane
Concen: 36.92 ug/L
RT: 11.78 min Scan# 1178
Delta R.T. 0.03 min
Lab File: B03585.D
Acq: 30 Nov 2004 21:36

Tgt Ion: 57 Resp: 487

Ion	Ratio	Lower	Upper
57	100		
71	0.0	26.4	106.4#
85	0.0	20.4	100.4#

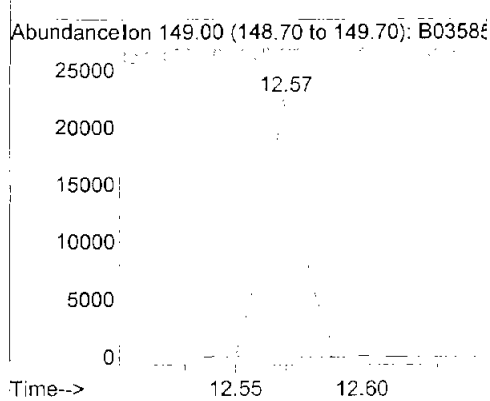


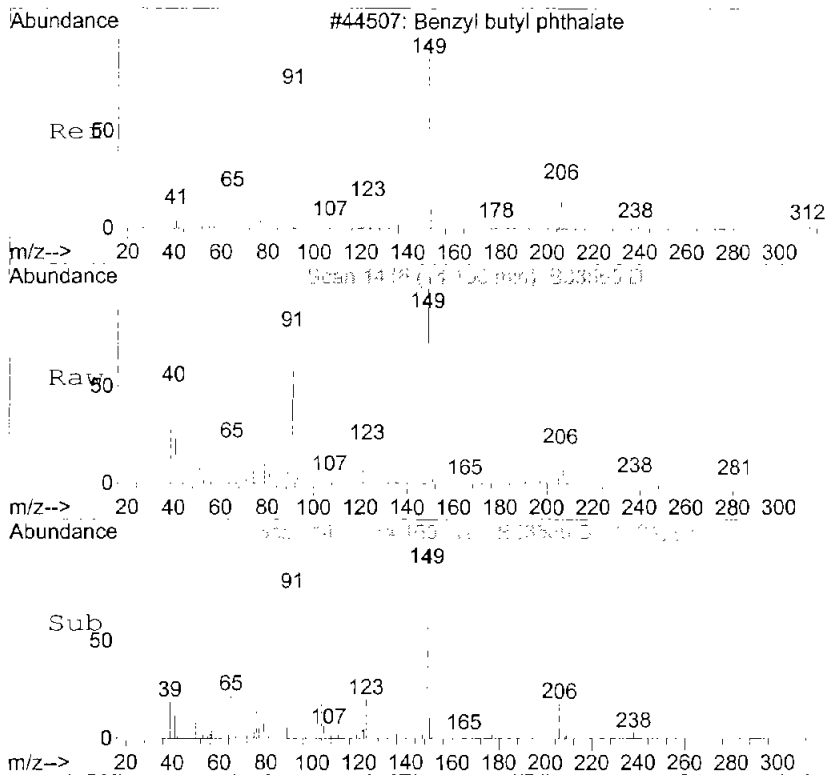


#72
Di-n-butylphthalate
Concen: 568.21 ug/L
RT: 12.57 min Scan# 1257
Delta R.T. 0.01 min
Lab File: B03585.D
Acq: 30 Nov 2004 21:36

Tgt Ion:149 Resp: 23605

Ion	Ratio	Lower	Upper
149	100		
150	8.1	0.0	50.0

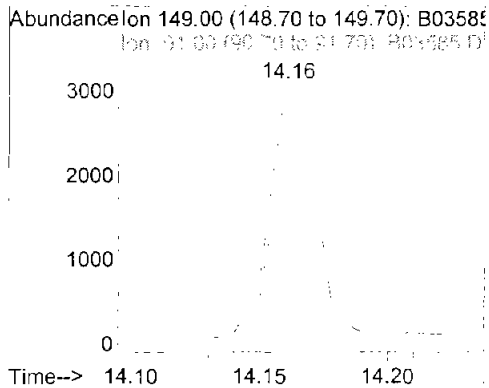


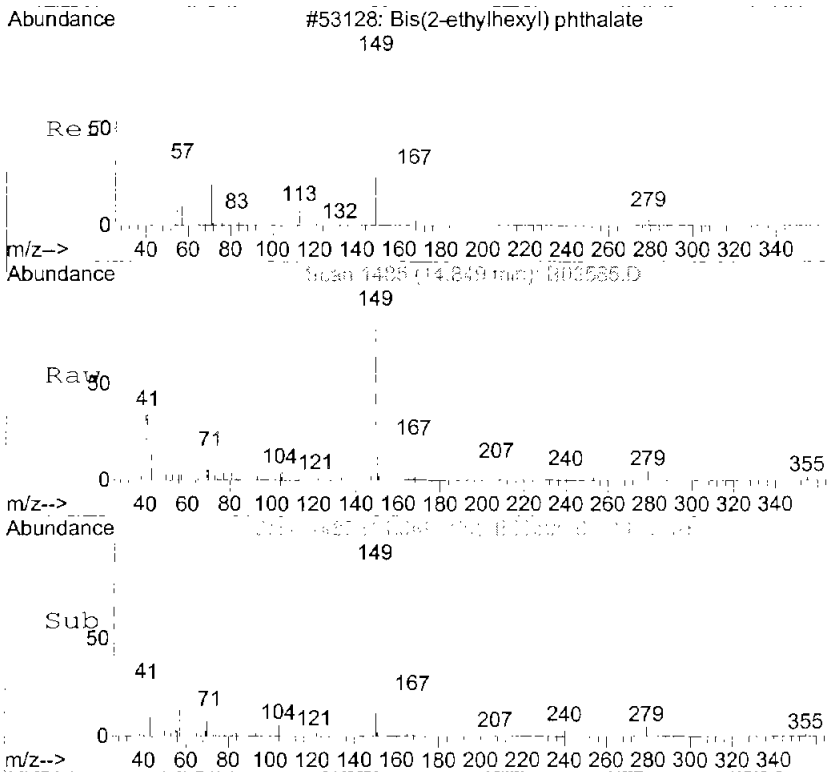


#78
Butylbenzylphthalate
Concen: 177.74 ug/L
RT: 14.16 min Scan# 1416
Delta R.T. 0.02 min
Lab File: B03585.D
Acq: 30 Nov 2004 21:36

Tgt Ion:149 Resp: 3741

Ion	Ratio	Lower	Upper
149	100		
91	72.0	45.0	125.0

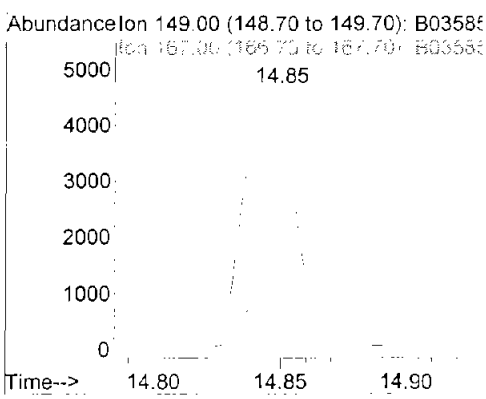


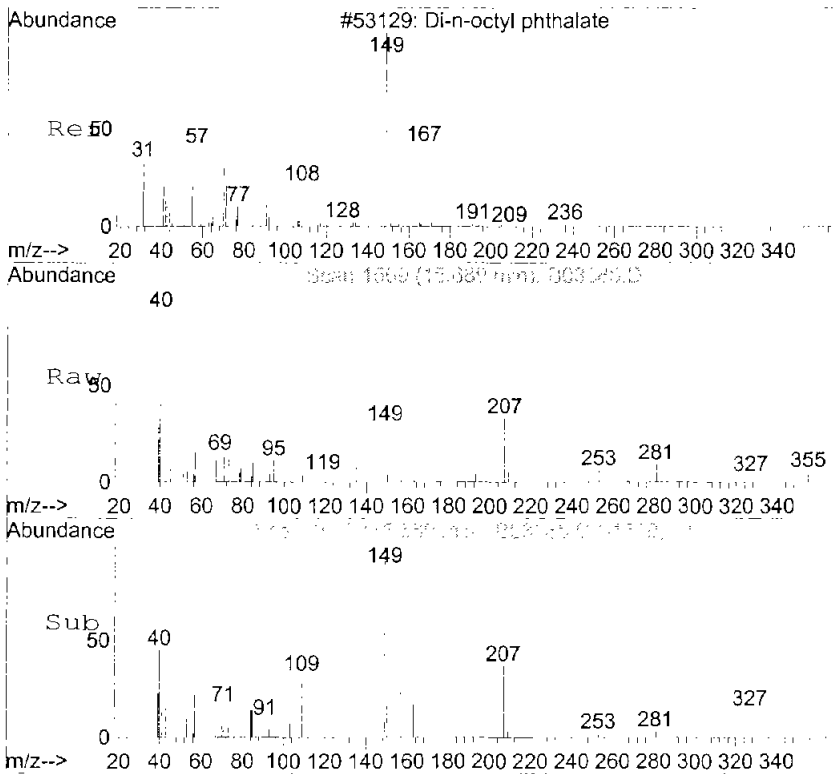


#82
bis(2-Ethylhexyl)phthalate
Concen: 197.52 ug/L
RT: 14.85 min Scan# 1485
Delta R.T. 0.01 min
Lab File: B03585.D
Acq: 30 Nov 2004 21:36

Tgt Ion:149 Resp: 6714

Ion	Ratio	Lower	Upper
149	100		
167	20.0	0.0	62.6

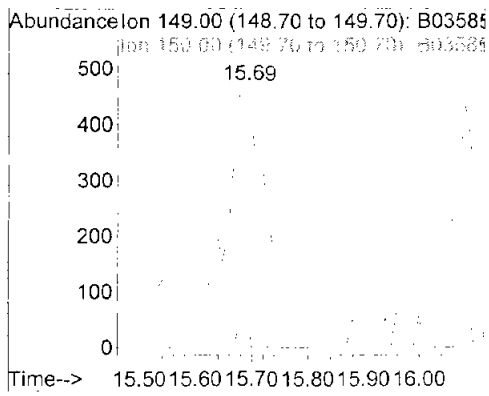




#84
Di-n-octylphthalate
Concen: 42.53 ug/L
RT: 15.69 min Scan# 1569
Delta R.T. 0.00 min
Lab File: B03585.D
Acq: 30 Nov 2004 21:36

Tgt Ion:149 Resp: 2763

Ion	Ratio	Lower	Upper
149	100		
150	0.0	0.0	50.0



Data File : W:\113004\A08299.D Vial: 0
Acq On : 30 Nov 2004 18:33 Operator: CLZ
Sample : 125060-3 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 14:07:52 2004 Quant Results File: SV5-111604.RES

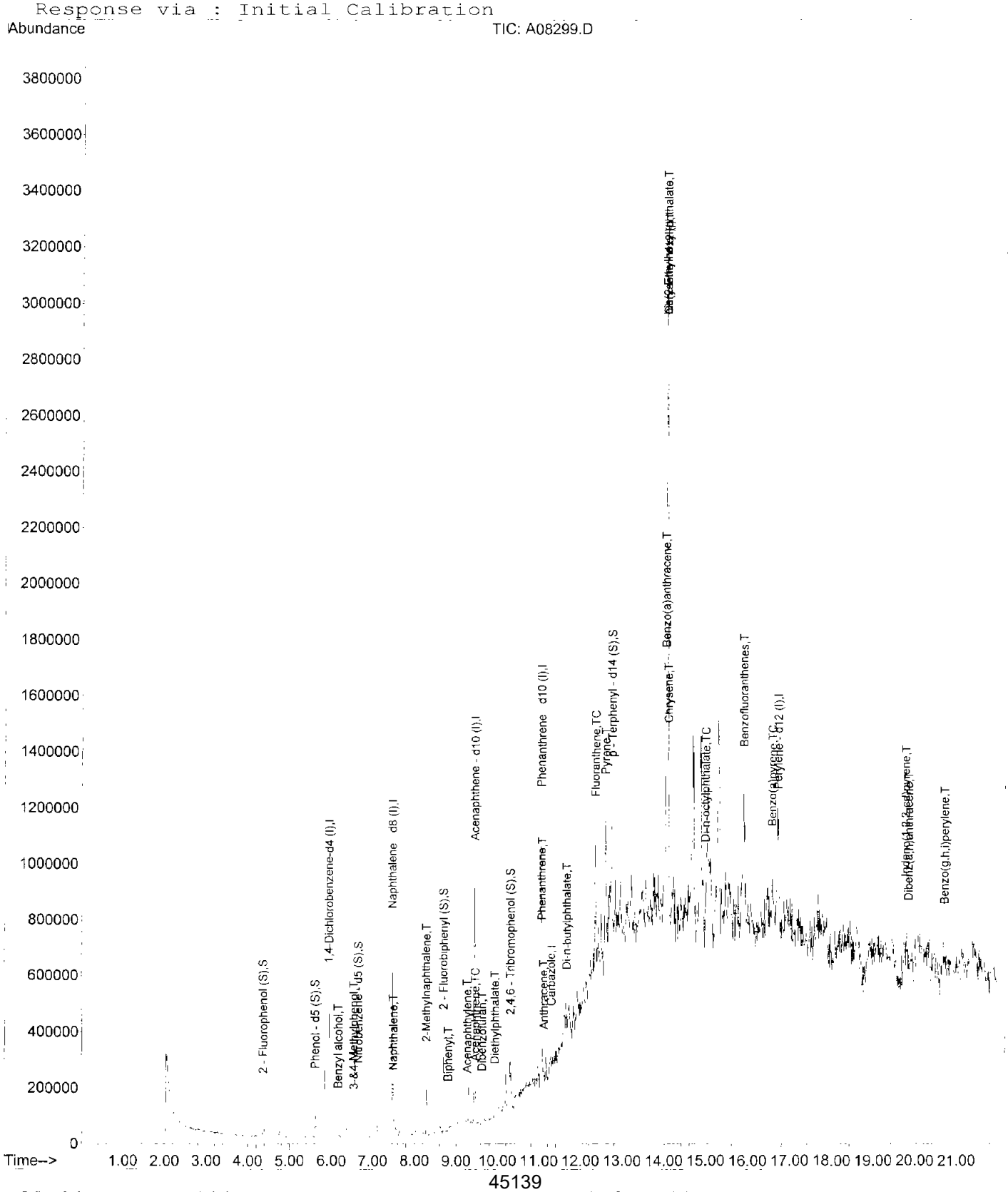
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration
DataAcq Meth :

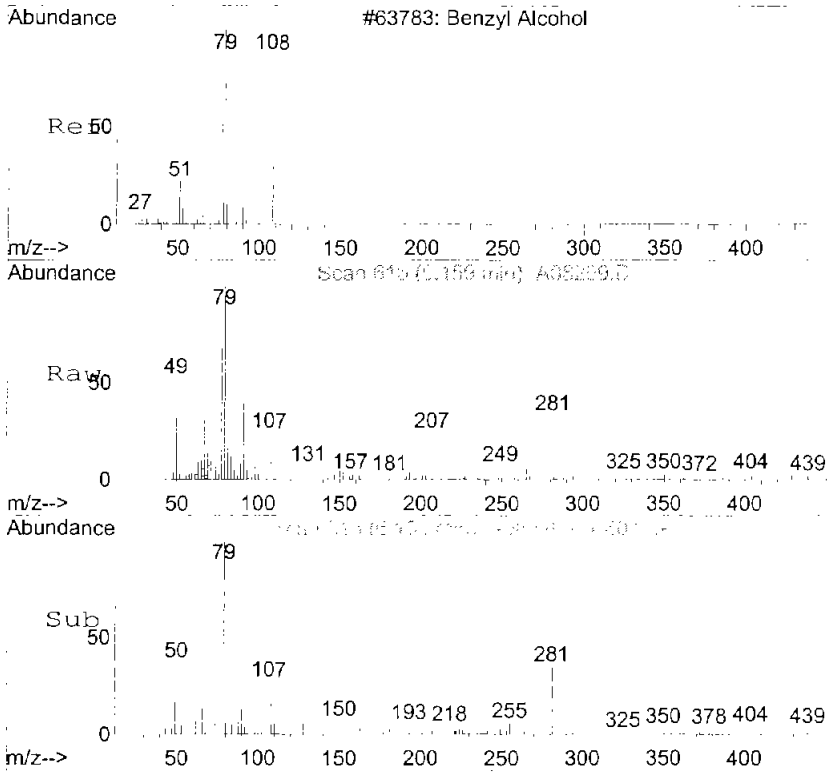
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.94	152	68465	1000.00 ug/L	0.00
22) Naphthalene - d8 (I)	7.47	136	433862	1000.00 ug/L	0.00
38) Acenaphthene - d10 (I)	9.45	162	384804	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.04	188	662559	1000.00 ug/L	0.00
79) Chrysene - d12 (I)	14.06	240	697080	1000.00 ul/l	0.01
85) Perylene - d12 (I)	16.71	264	707330	1000.00 ug/L	0.02
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.37	112	27216	498.12 ug/L	-0.02
7) Phenol - d5 (S)	5.61	99	45435	765.19 ug/L	-0.07
23) Nitrobenzene - d5 (S)	6.65	82	45469	413.69 ug/L	0.01
43) 2 - Fluorobiphenyl (S)	8.70	172	113729	388.68 ug/L	0.02
65) 2,4,6 - Tribromophenol (S)	10.31	330	36003	460.06 ug/L	-0.02
78) p - Terphenyl - d14 (S)	12.74	244	201709	427.04 ug/L	0.00
Target Compounds					Qvalue
14) Benzyl alcohol	6.16	79	4946	70.64 ug/L	94
18) 3-&4-Methylphenol	6.55	108	982	22.27 ug/L	73
32) Naphthalene	7.50	128	7823	23.15 ug/L	79
36) 2-Methylnaphthalene	8.28	141	2381	11.69 ug/L	100
45) Biphenyl	8.81	154	4530	14.07 ug/L	94
48) Acenaphthylene	9.28	152	5289	12.55 ug/L	13
51) Acenaphthene	9.48	153	15278	48.90 ug/L	100
54) Dibenzofuran	9.64	168	3429	9.01 ug/L	85
58) Diethylphthalate	9.93	149	7986	19.31 ug/L	92
70) Phenanthrene	11.06	178	174800	345.44 ug/L	91
71) Anthracene	11.11	178	21317m	45.50 ug/L	
73) Carbazole	11.29	167	18609	41.22 ug/L	63
74) Di-n-butylphthalate	11.67	149	61475	71.47 ug/L	48
75) Fluoranthene	12.35	202	355715	650.06 ug/L	97
76) Pyrene	12.59	202	396570	717.36 ug/L	95
81) Benzo(a)anthracene	14.03	228	287258	563.51 ug/L	100
83) Chrysene	14.09	228	301687	681.50 ug/L	56
84) bis(2-Ethylhexyl)phthalate	14.05	149	1264075	1987.40 ug/L	85
86) Di-n-octylphthalate	14.97	149	136839	145.83 ug/L	88
87) Benzofluoranthenes	15.89	252	651096	1222.97 ug/L	98
88) Benzo(a)pyrene	16.57	252	330554	670.01 ug/L	100
89) Indeno(1,2,3-cd)pyrene	19.77	276	308941	450.01 ug/L	100
90) Dibenz(a,h)anthracene	19.84	278	84662	149.63 ug/L	100
91) Benzo(g,h,i)perylene	20.71	276	334452	600.24 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\113004\A08299.D Vial: 0
Acq On : 30 Nov 2004 18:33 Operator: CLZ
Sample : 125060-3 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:09 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration

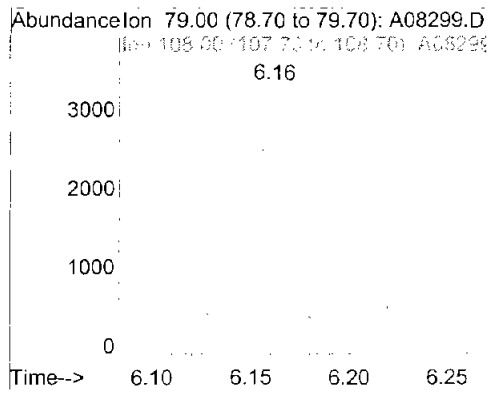


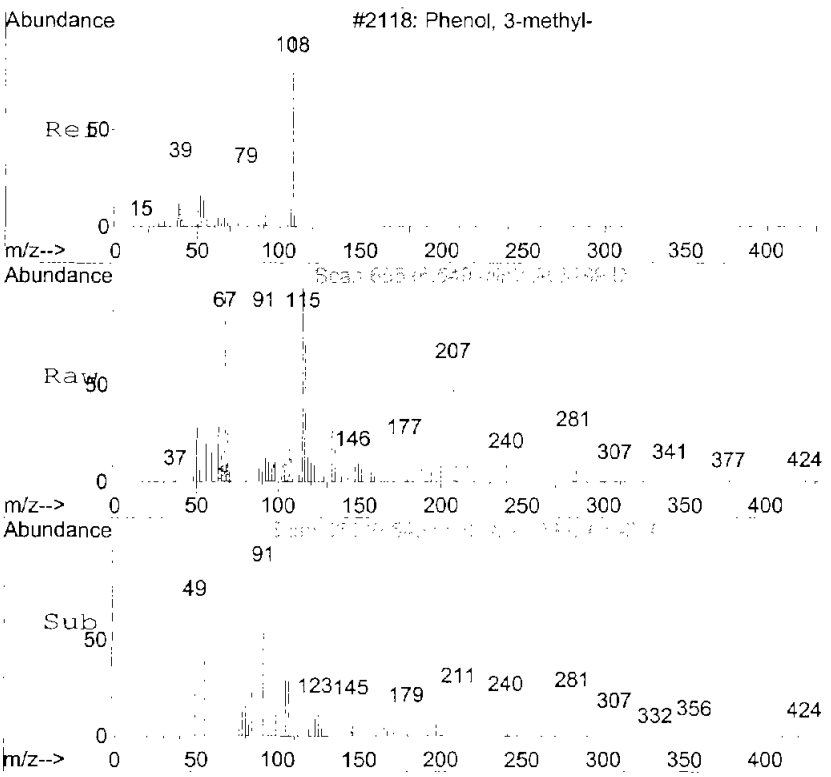


#14
Benzyl alcohol
Concen: 70.64 ug/L
RT: 6.16 min Scan# 616
Delta R.T. -0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion: 79 Resp: 4946

Ion	Ratio	Lower	Upper
79	100		
108	28.7	0.0	92.0

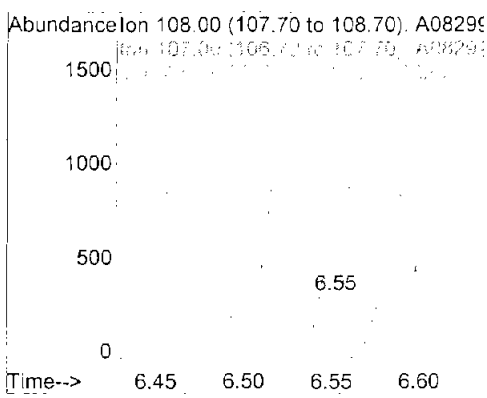


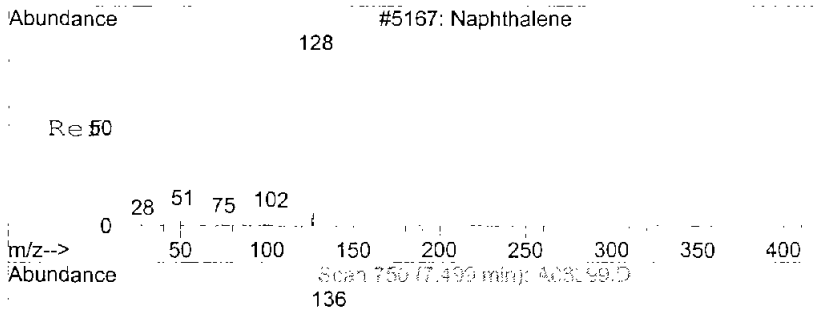


#18
3-&4-Methylphenol
Concen: 22.27 ug/L
RT: 6.55 min Scan# 655
Delta R.T. 0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:108 Resp: 982

Ion	Ratio	Lower	Upper
108	100		
107	186.6	93.8	213.8
79	162.5	90.0	170.0

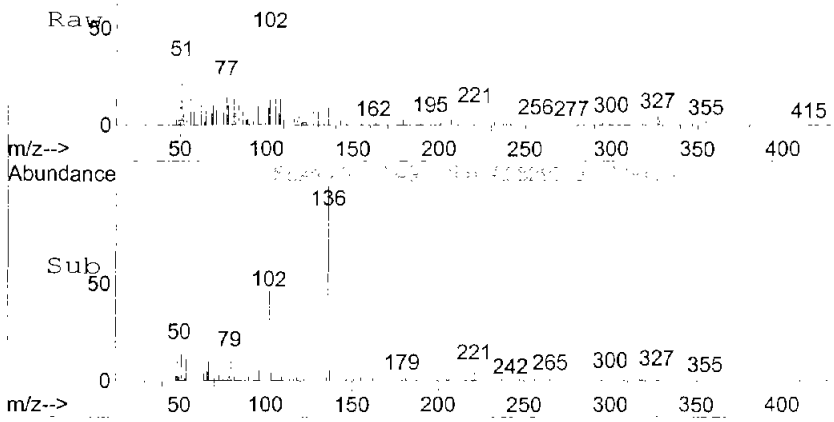


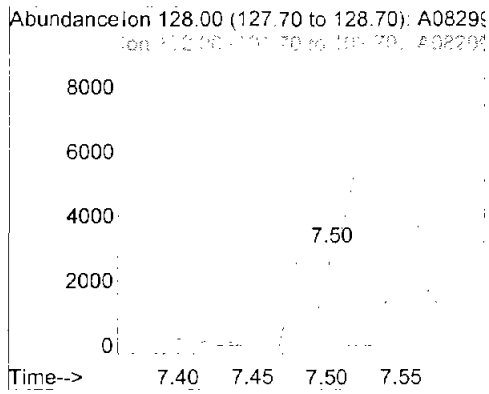


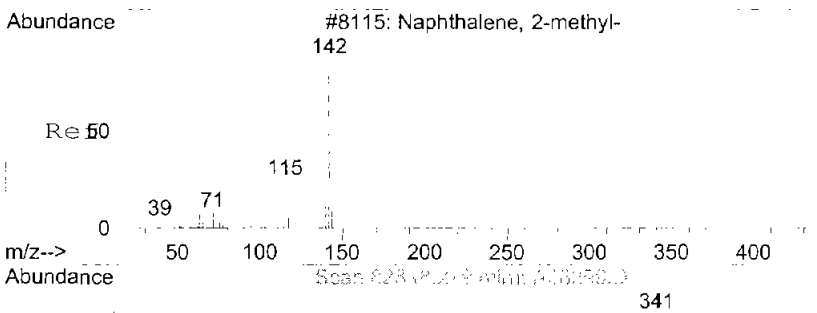
#32
Naphthalene
Concen: 23.15 ug/L
RT: 7.50 min Scan# 750
Delta R.T. 0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:128 Resp: 7823

Ion	Ratio	Lower	Upper
128	100		
102	24.3	0.0	75.6

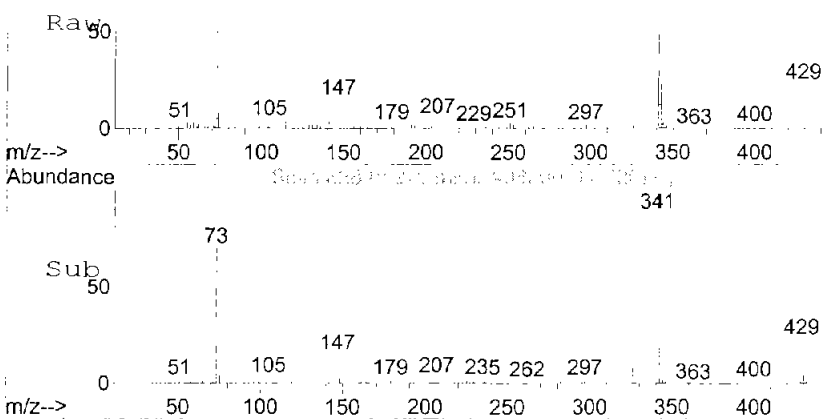


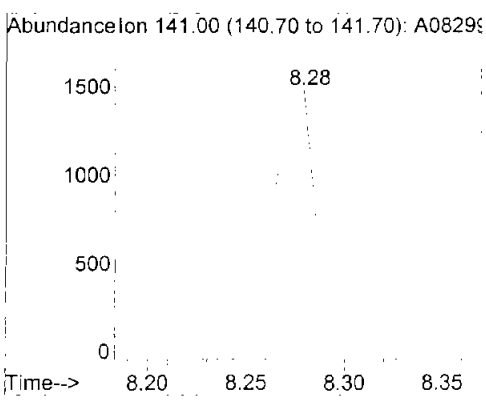


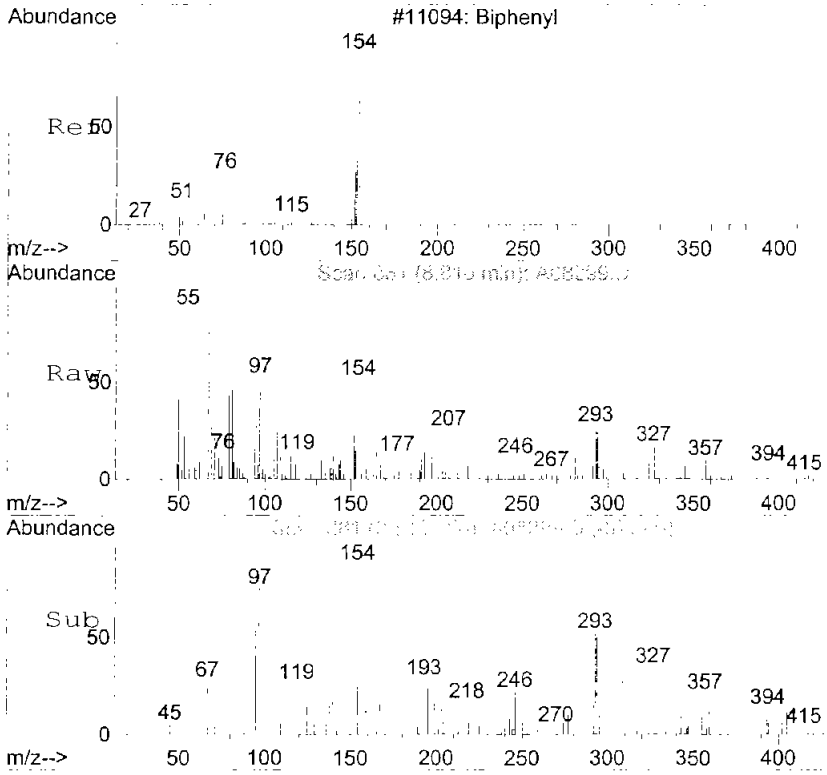


#36
2-Methylnaphthalene
Concen: 11.69 ug/L
RT: 8.28 min Scan# 828
Delta R.T. -0.02 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:141 Resp: 2381



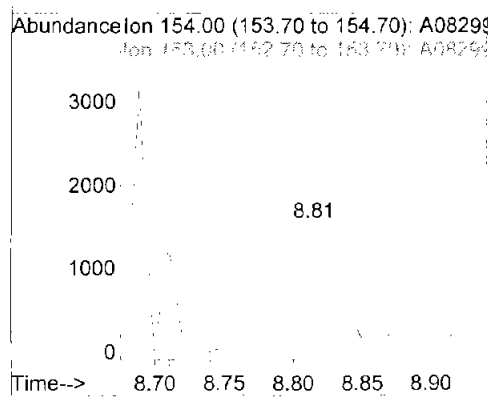


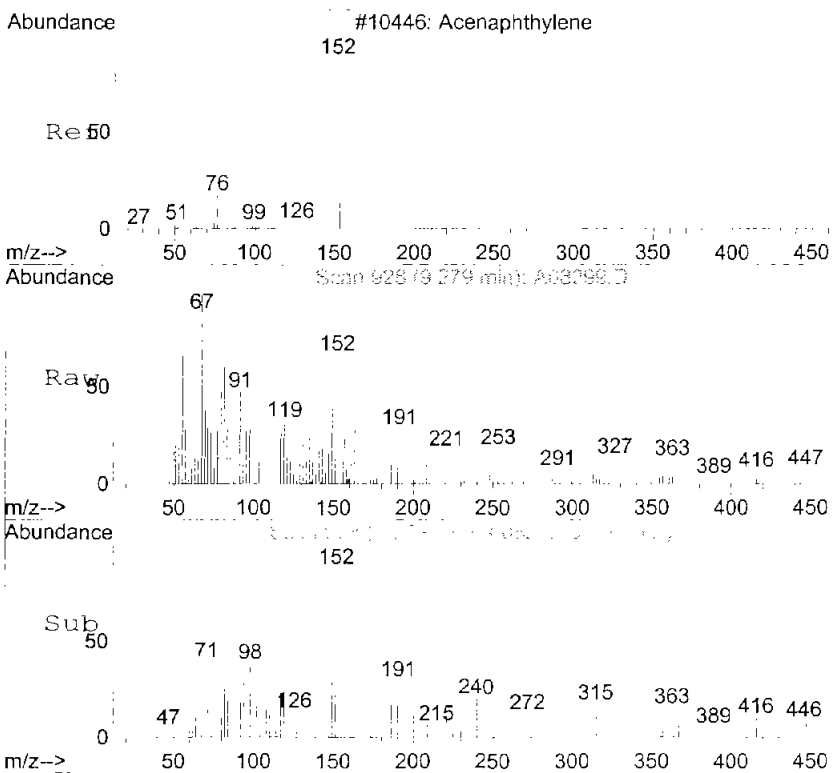


#45
Biphenyl
Concen: 14.07 ug/L
RT: 8.81 min Scan# 881
Delta R.T. 0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:154 Resp: 4530

Ion	Ratio	Lower	Upper
154	100		
153	39.4	0.0	76.2

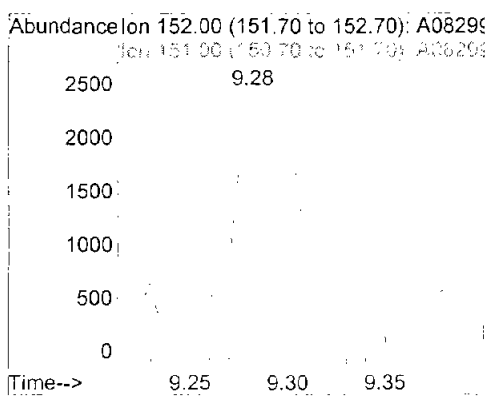


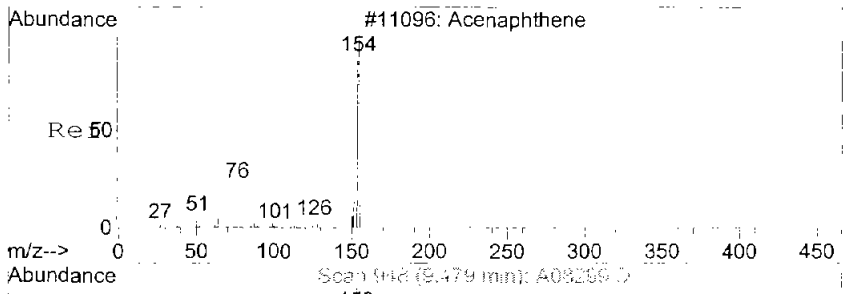


#48
Acenaphthylene
Concen: 12.55 ug/L
RT: 9.28 min Scan# 928
Delta R.T. -0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:152 Resp: 5289

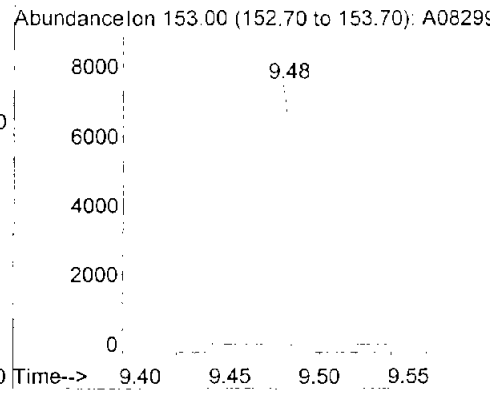
Ion	Ratio	Lower	Upper
152	100		
151	57.3	0.0	58.6

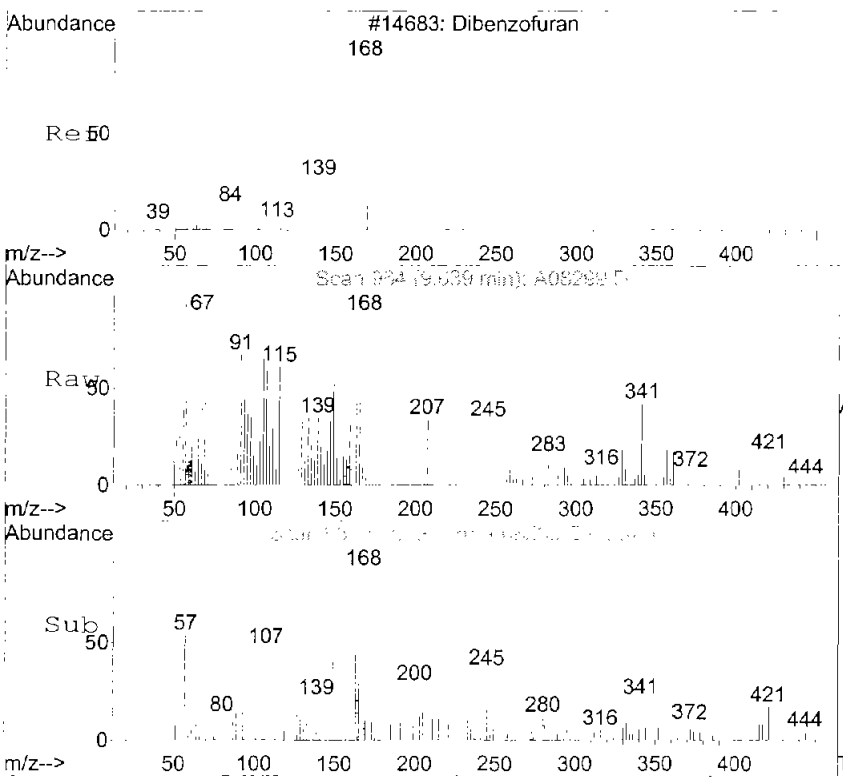




#51
Acenaphthene
Concen: 48.90 ug/L
RT: 9.48 min Scan# 948
Delta R.T. 0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:153 Resp: 15278

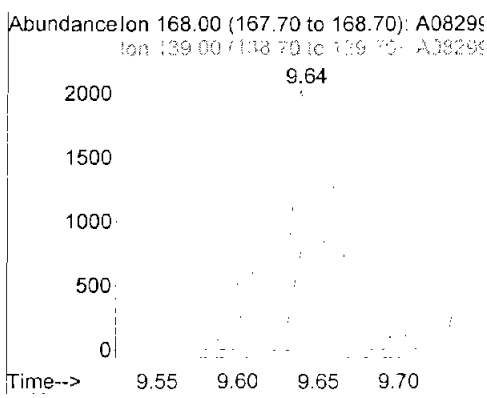


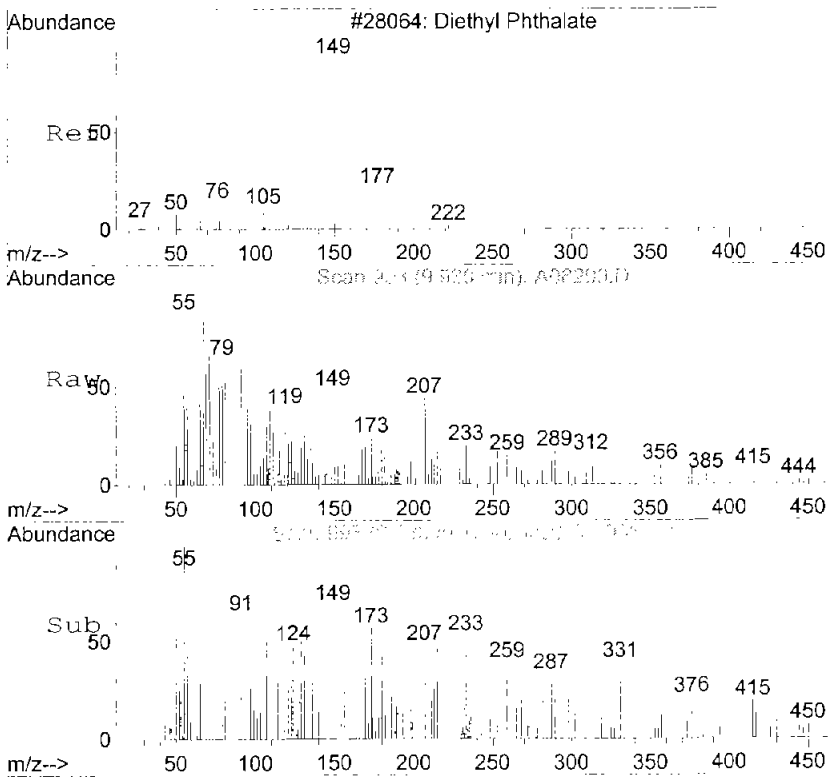


#54
Dibenzofuran
Concen: 9.01 ug/L
RT: 9.64 min Scan# 964
Delta R.T. -0.00 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:168 Resp: 3429

Ion	Ratio	Lower	Upper
168	100		
139	62.4	12.1	92.1

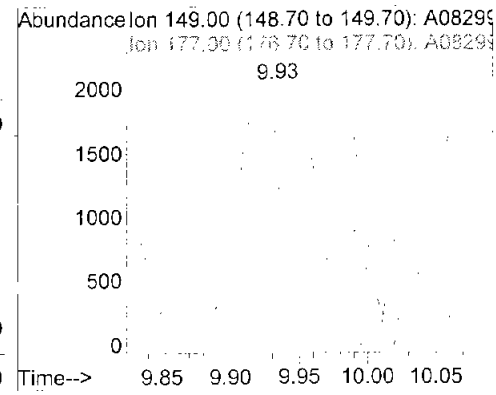


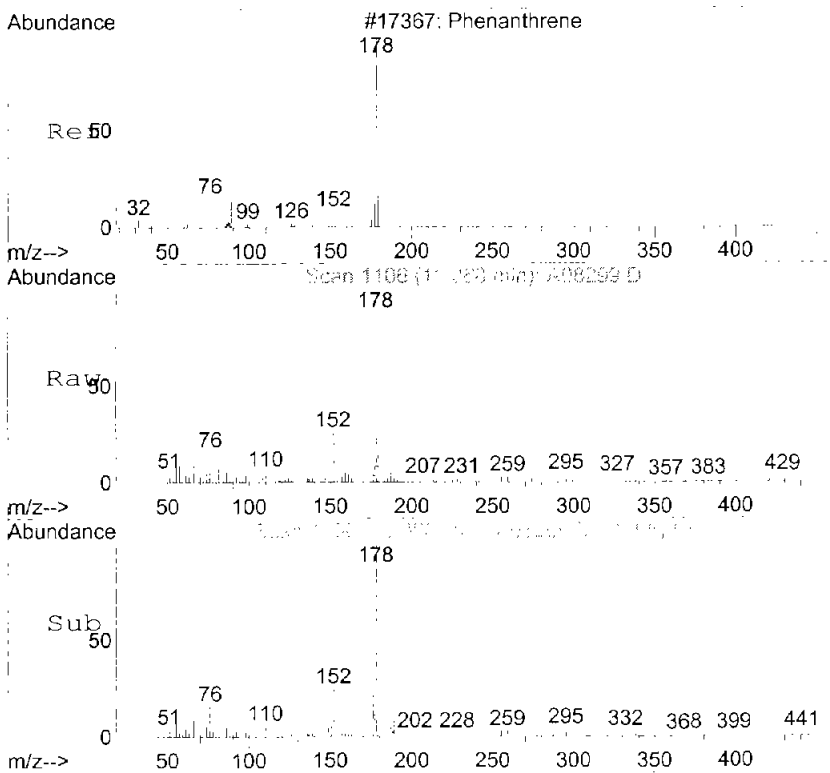


#58
Diethylphthalate
Concen: 19.31 ug/L
RT: 9.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:149 Resp: 7986

Ion	Ratio	Lower	Upper
149	100		
177	17.3	0.0	61.2

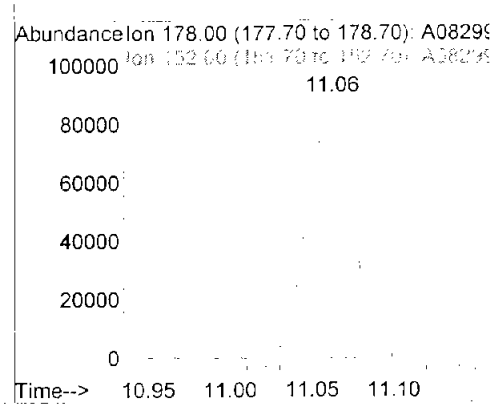


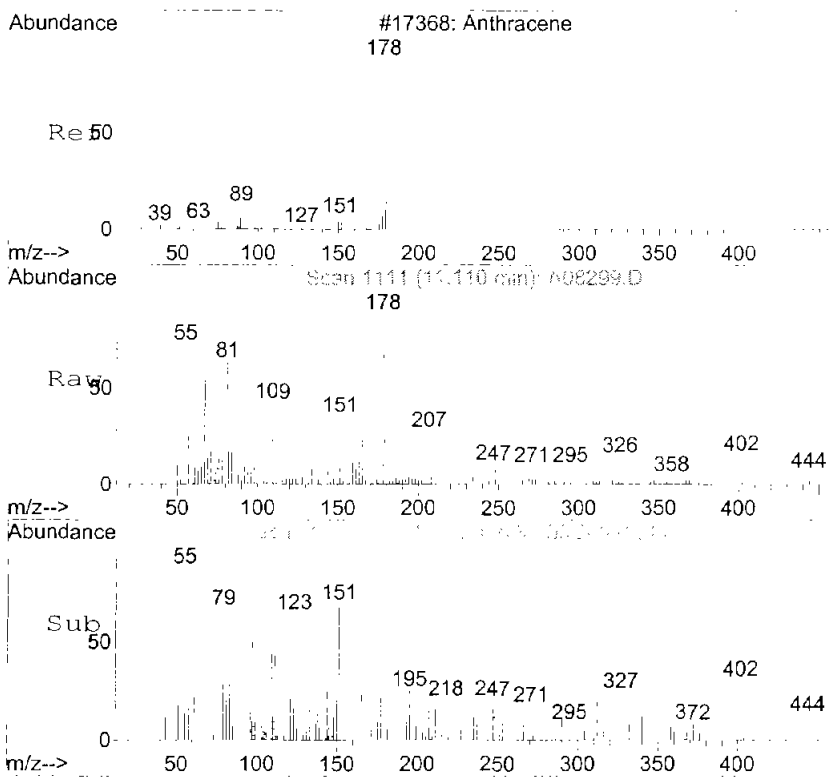


#70
Phenanthrene
Concen: 345.44 ug/L
RT: 11.06 min Scan# 1106
Delta R.T. 0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:178 Resp: 174800

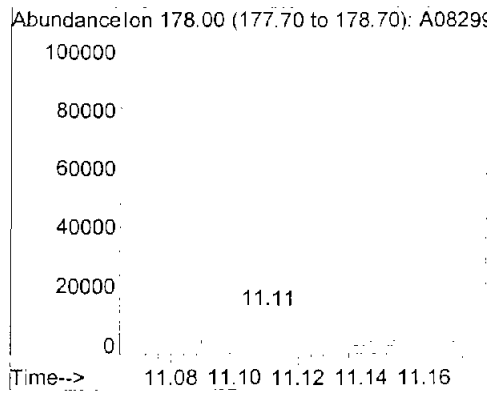
Ion	Ratio	Lower	Upper
178	100		
152	21.8	0.0	58.0

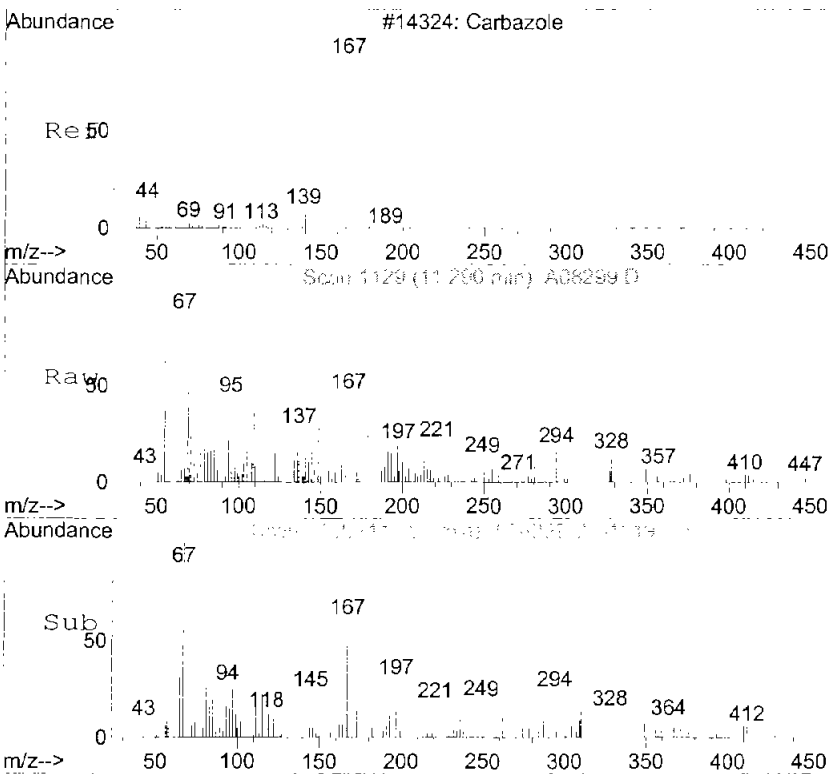




#71
Anthracene
Concen: 45.50 ug/L m
RT: 11.11 min Scan# 1111
Delta R.T. 0.00 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:178 Resp: 21317

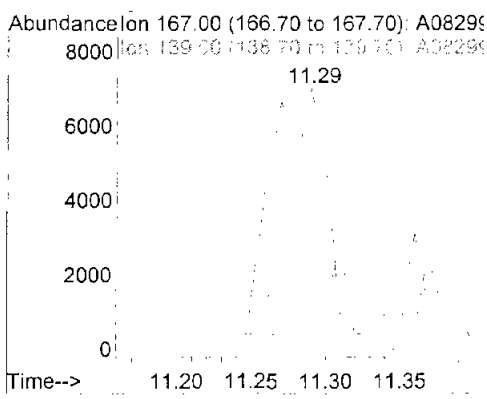


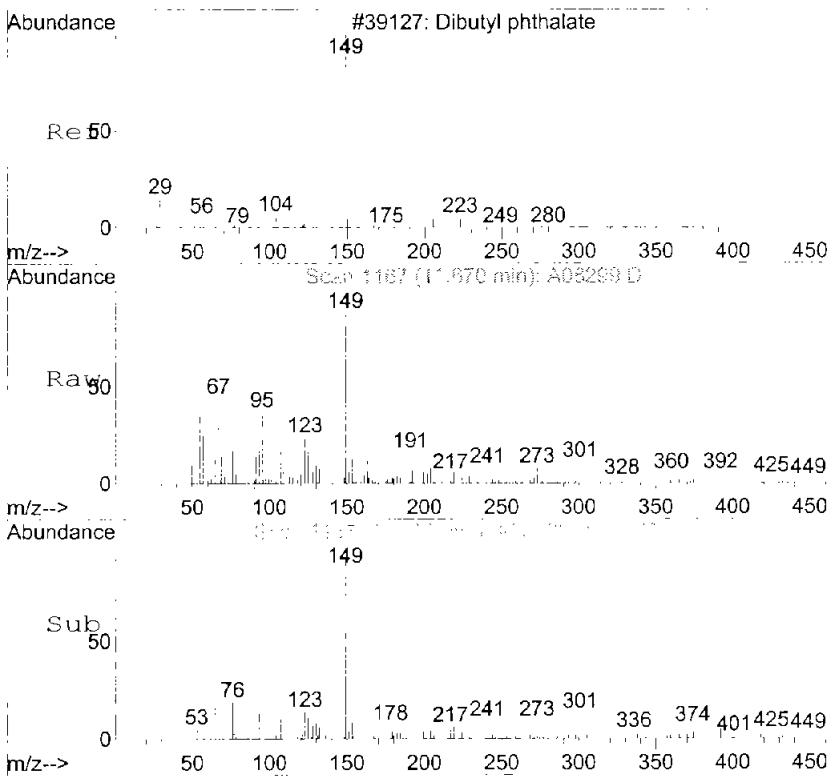


#73
Carbazole
Concen: 41.22 ug/L
RT: 11.29 min Scan# 1129
Delta R.T. 0.00 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:167 Resp: 18609

Ion	Ratio	Lower	Upper
167	100		
139	33.1	0.0	57.2

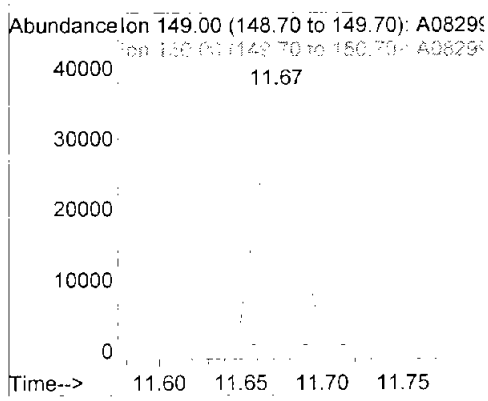


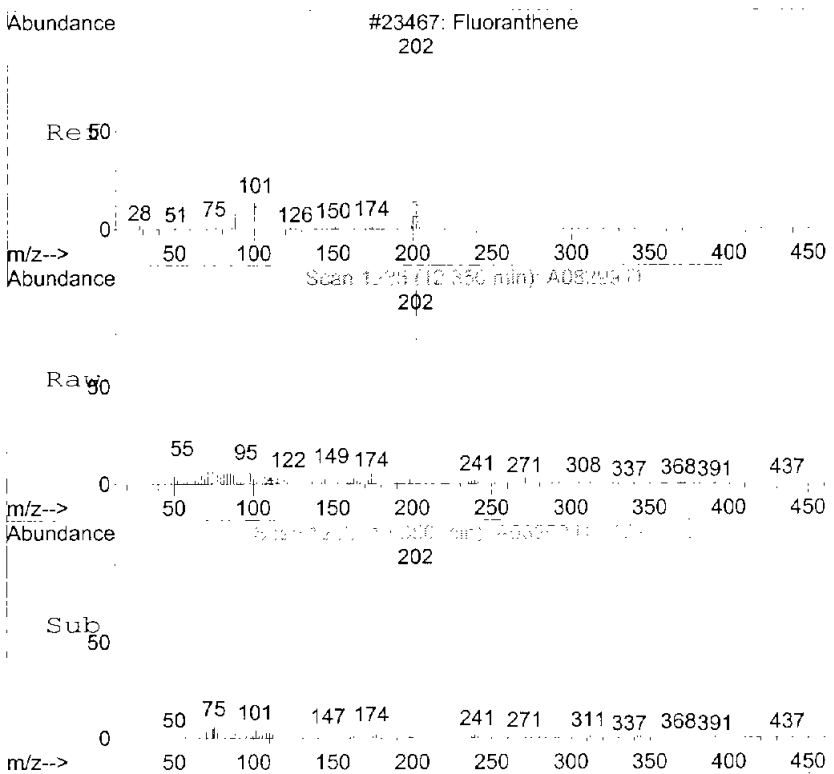


#74
Di-n-butylphthalate
Concen: 71.47 ug/L
RT: 11.67 min Scan# 1167
Delta R.T. -0.03 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:149 Resp: 61475

Ion	Ratio	Lower	Upper
149	100		
150	26.3	0.0	47.9

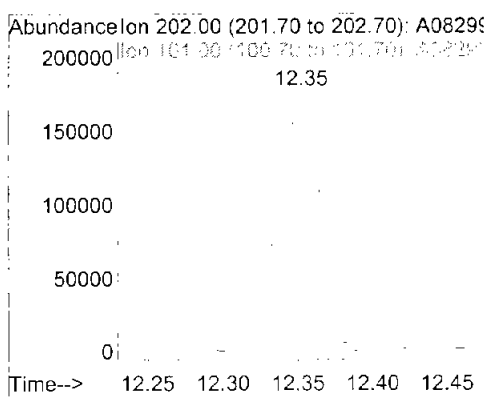


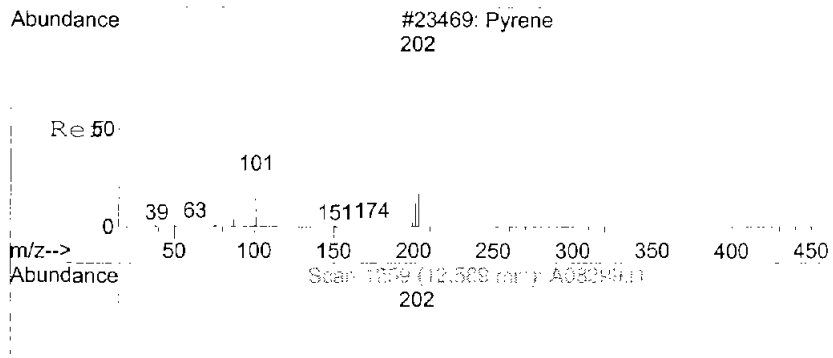


#75
Fluoranthene
Concen: 650.06 ug/L
RT: 12.35 min Scan# 1235
Delta R.T. 0.00 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:202 Resp: 355715

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	70.3

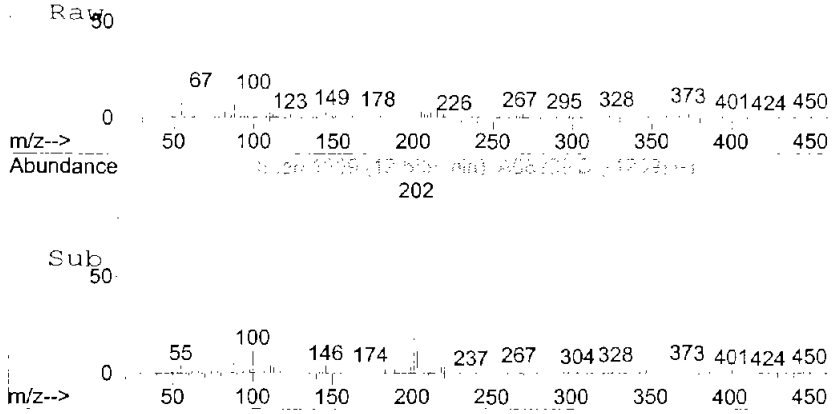


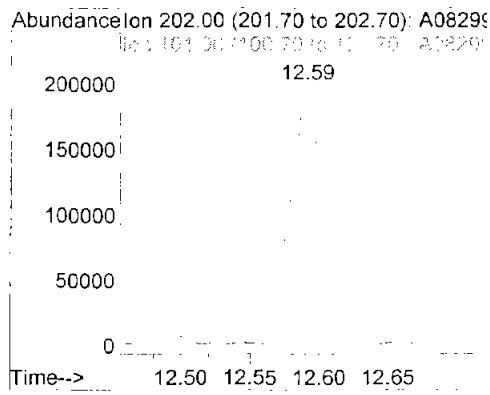


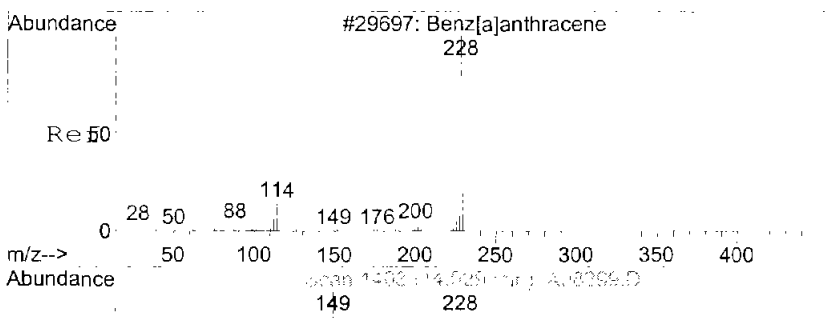
#76
Pyrene
Concen: 717.36 ug/L
RT: 12.59 min Scan# 1259
Delta R.T. -0.00 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:202 Resp: 396570

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	49.2

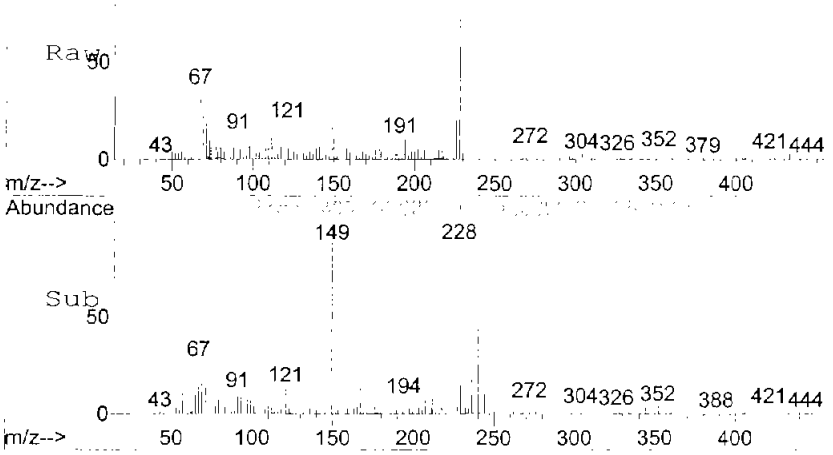


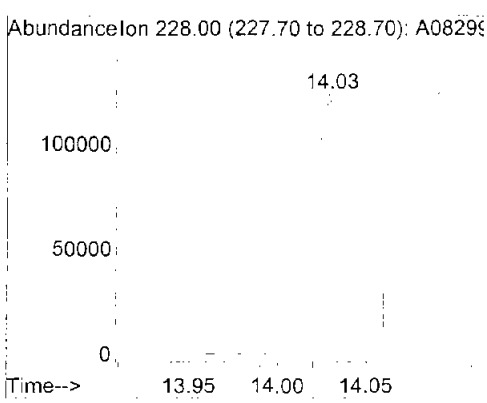


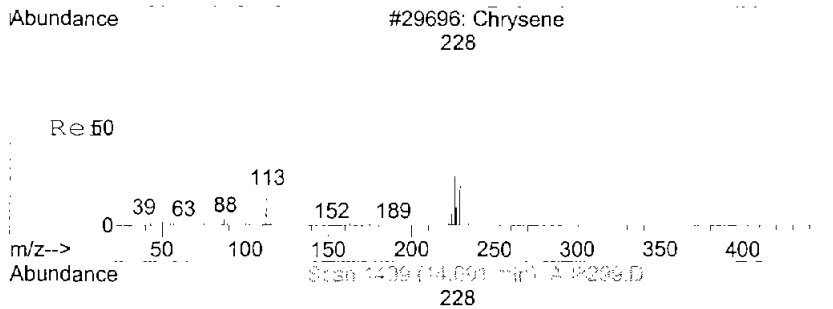


#81
Benzo(a)anthracene
Concen: 563.51 ug/L
RT: 14.03 min Scan# 1403
Delta R.T. 0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:228 Resp: 287258



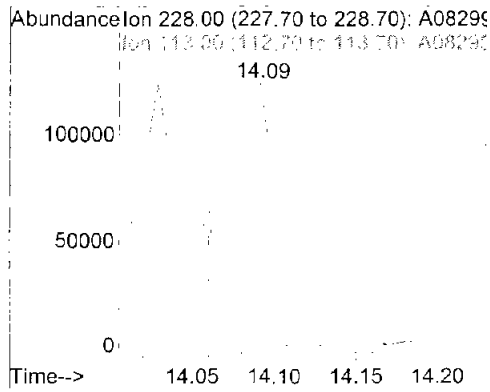


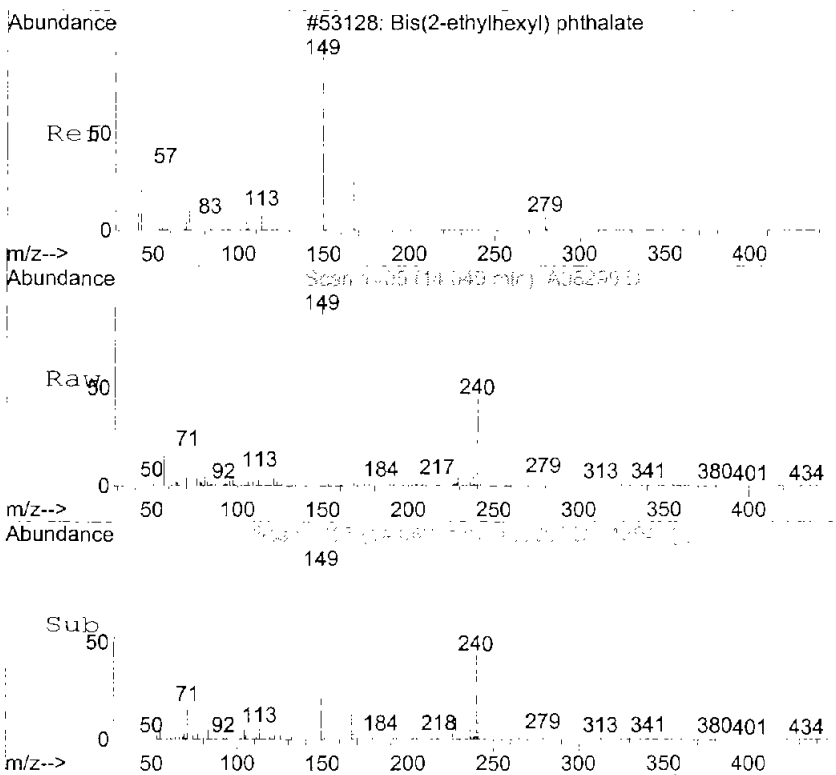


#83
Chrysene
Concen: 681.50 ug/L
RT: 14.09 min Scan# 1409
Delta R.T. 0.00 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:228 Resp: 301687

Ion	Ratio	Lower	Upper
228	100		
113	33.7	0.0	55.2

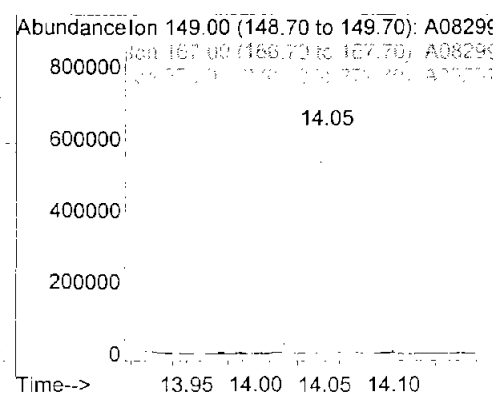


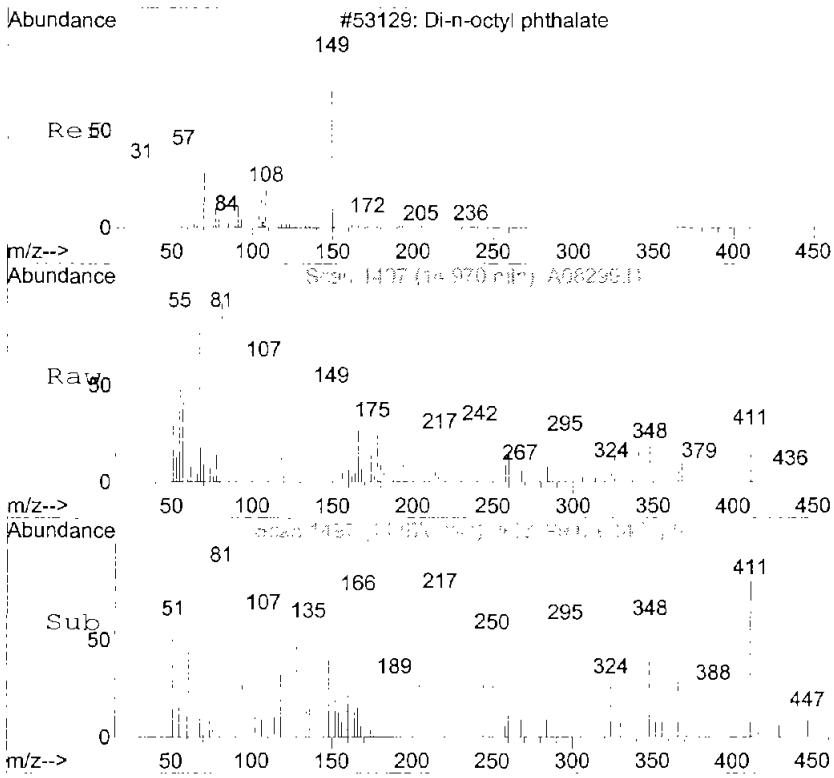


#84
bis(2-Ethylhexyl)phthalate
Concen: 1987.40 ug/L
RT: 14.05 min Scan# 1405
Delta R.T. 0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:149 Resp: 1264075

Ion	Ratio	Lower	Upper
149	100		
167	28.5	0.0	78.1
279	2.3	0.0	42.4

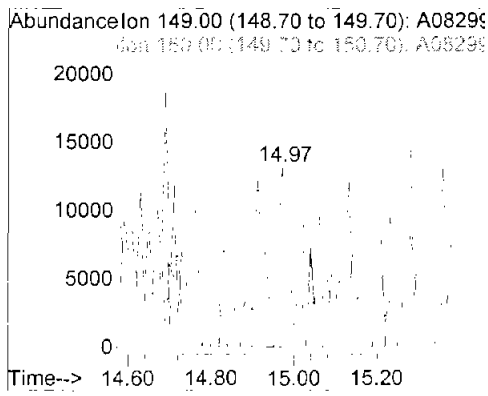


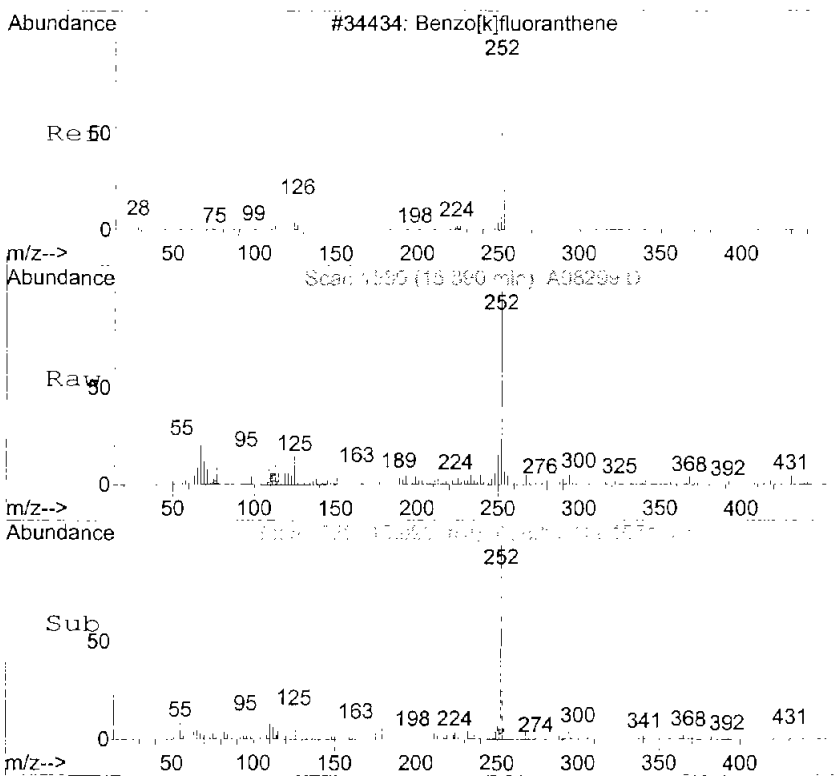


#86
Di-n-octylphthalate
Concen: 145.83 ug/L
RT: 14.97 min Scan# 1497
Delta R.T. -0.04 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:149 Resp: 136839

Ion	Ratio	Lower	Upper
149	100		
150	5.3	0.0	49.6

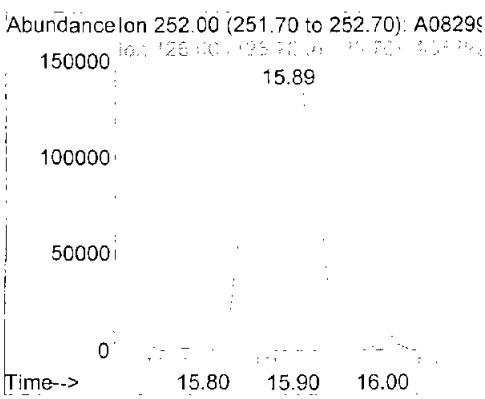


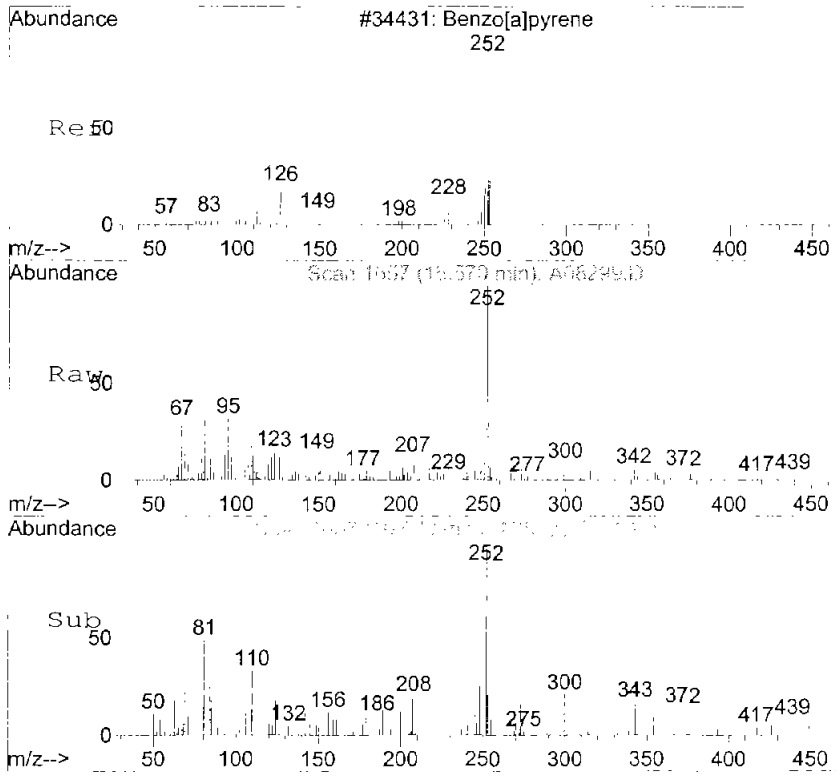


#87
Benzofluoranthenes
Concen: 1222.97 ug/L
RT: 15.89 min Scan# 1589
Delta R.T. 0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

Tgt Ion:252 Resp: 651096

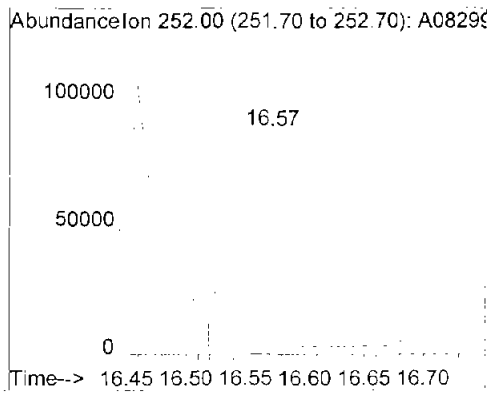
Ion	Ratio	Lower	Upper
252	100		
126	9.3	0.0	50.0

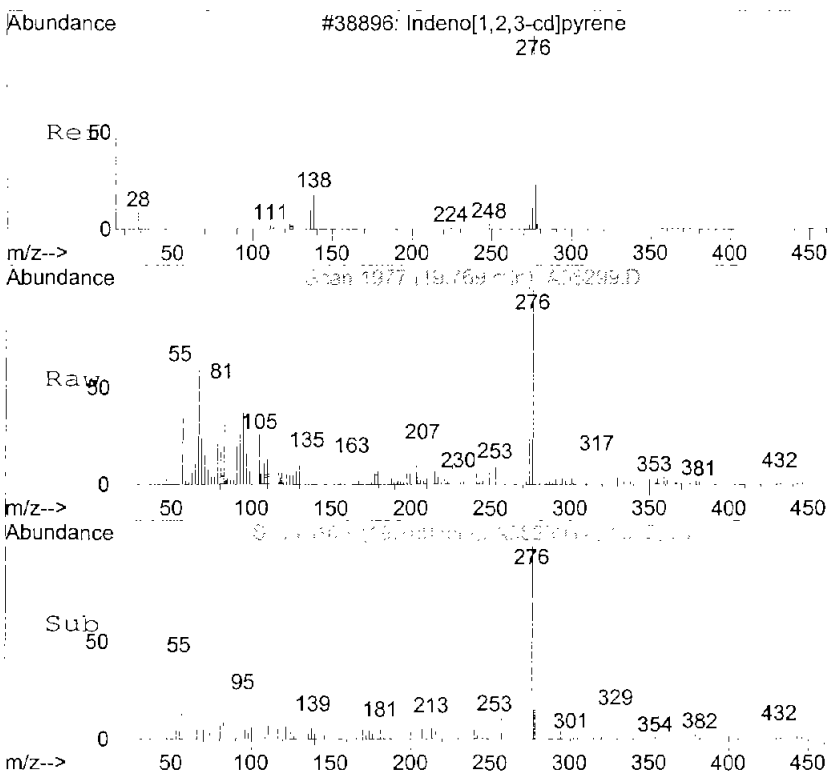




#88
Benzo(a)pyrene
Concen: 670.01 ug/L
RT: 16.57 min Scan# 1657
Delta R.T. 0.01 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

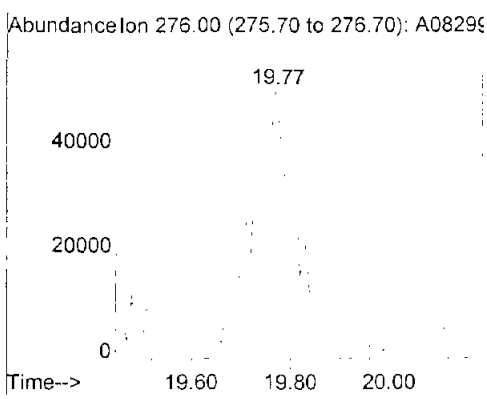
Tgt Ion:252 Resp: 330554

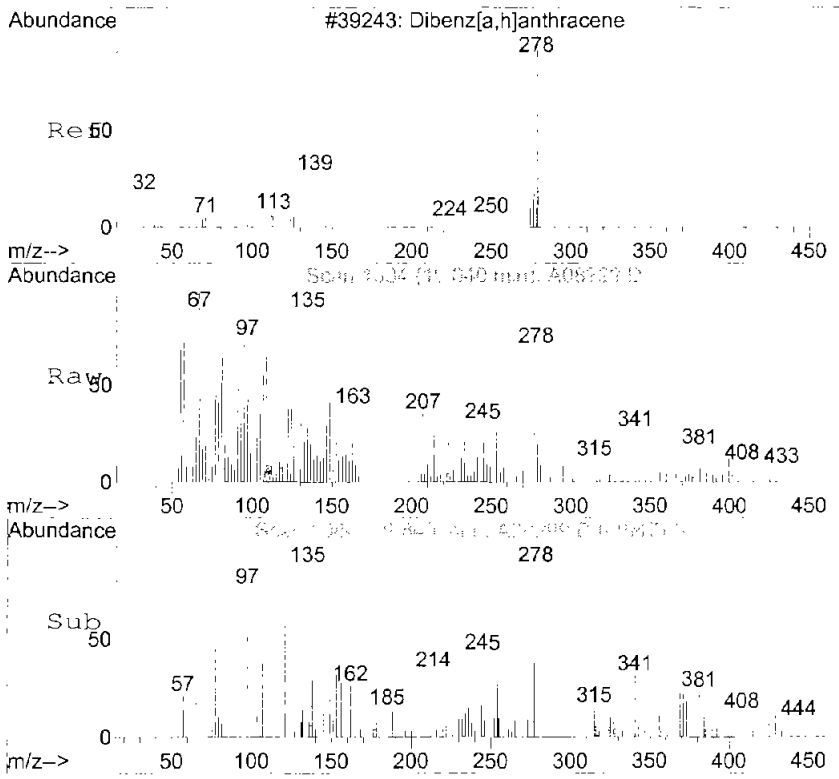




#89
Indeno(1,2,3-cd)pyrene
Concen: 450.01 ug/L
RT: 19.77 min Scan# 1977
Delta R.T. 0.02 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

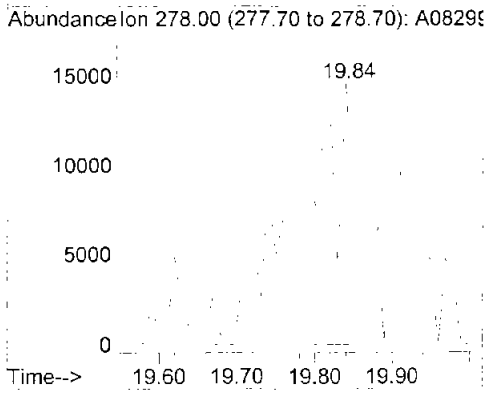
Tgt Ion:276 Resp: 308941

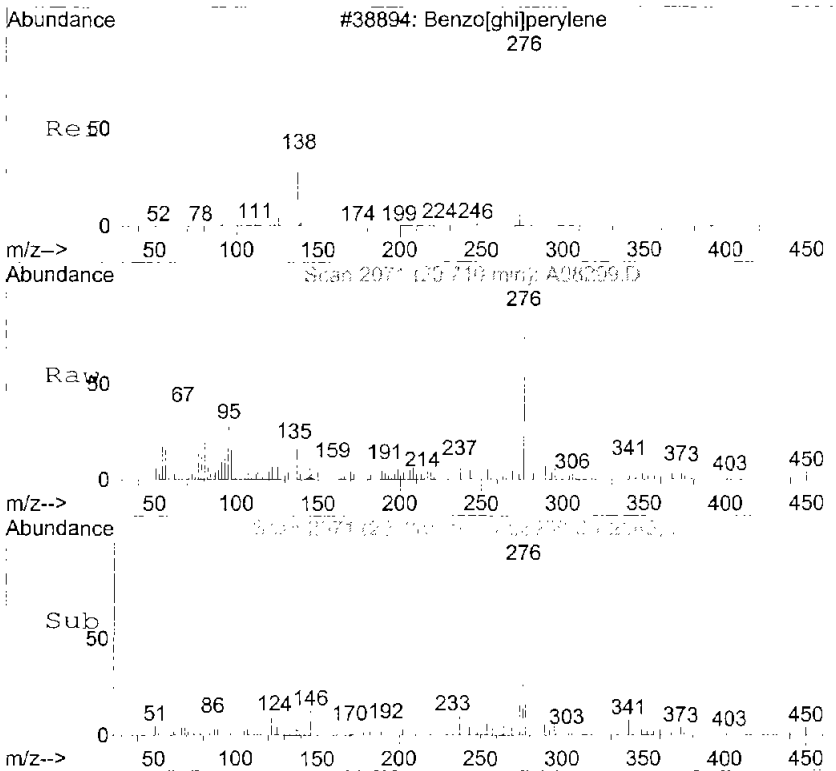




#90
Dibenz(a,h)anthracene
Concen: 149.63 ug/L
RT: 19.84 min Scan# 1984
Delta R.T. 0.07 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

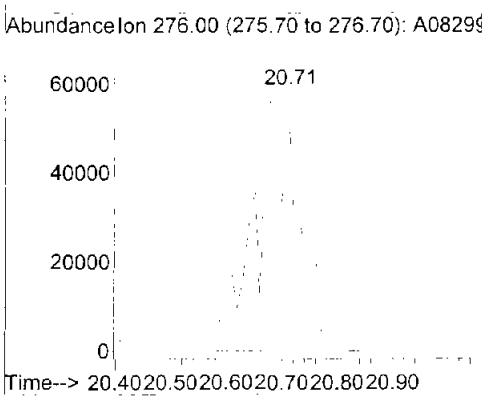
Tgt Ion:278 Resp: 84662





#91
Benzo(g,h,i)perylene
Concen: 600.24 ug/L
RT: 20.71 min Scan# 2071
Delta R.T. 0.06 min
Lab File: A08299.D
Acq: 30 Nov 2004 18:33

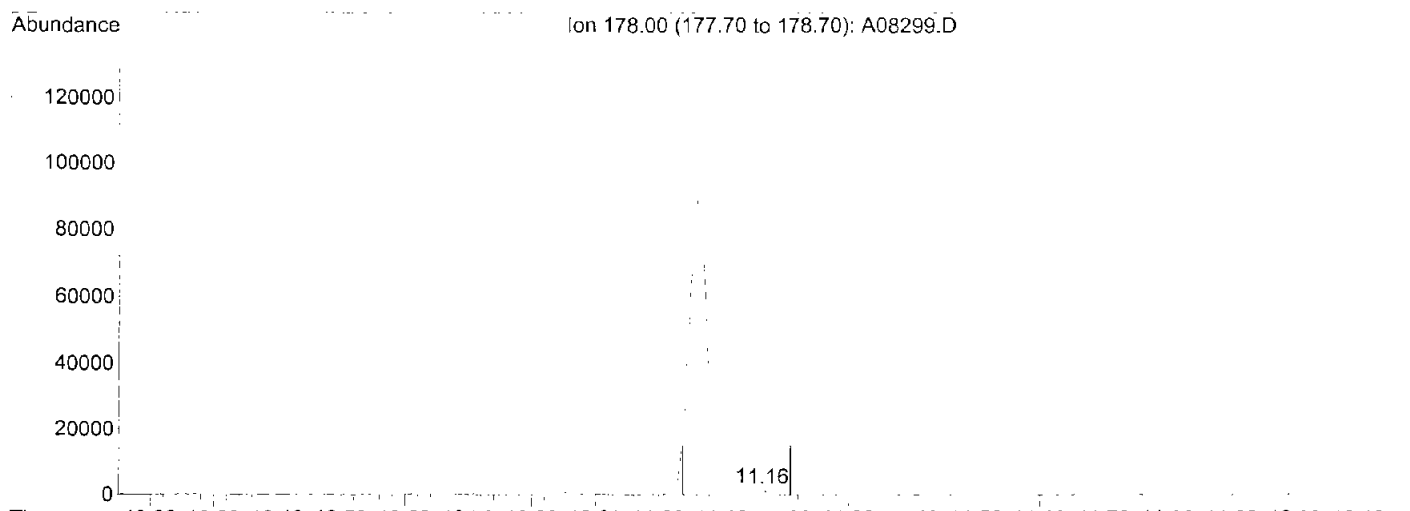
Tgt Ion:276 Resp: 334452

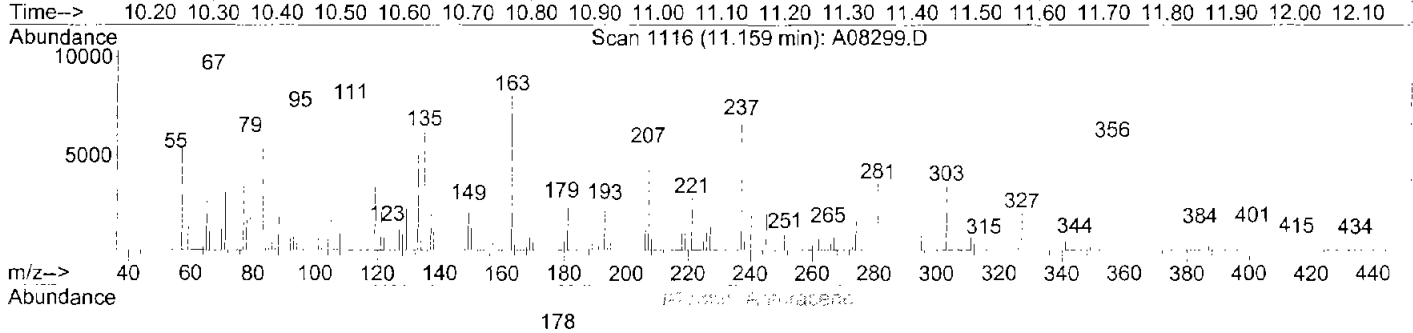


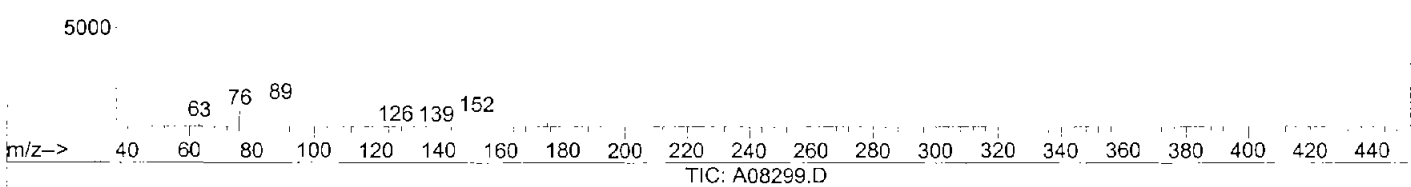
Quantitation Report (Qedit)

Data File : W:\113004\A08299.D Vial: 0
Acq On : 30 Nov 2004 18:33 Operator: CLZ
Sample : 125060-3 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:09 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration







(71) Anthracene (T)

11.16min 1.17ug/L

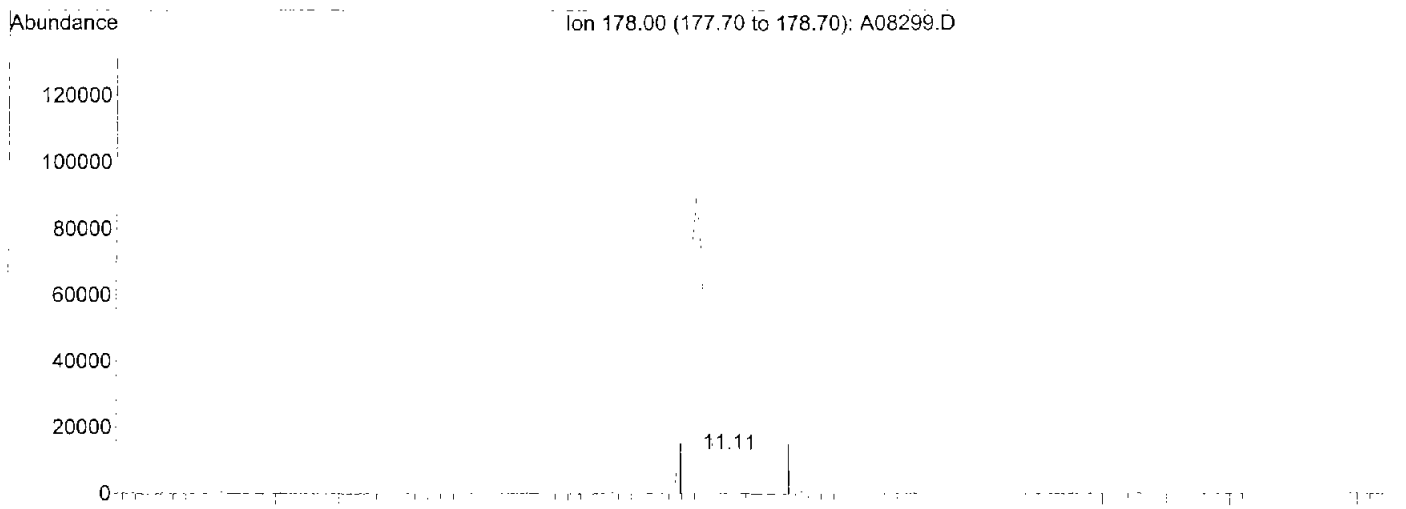
response 548

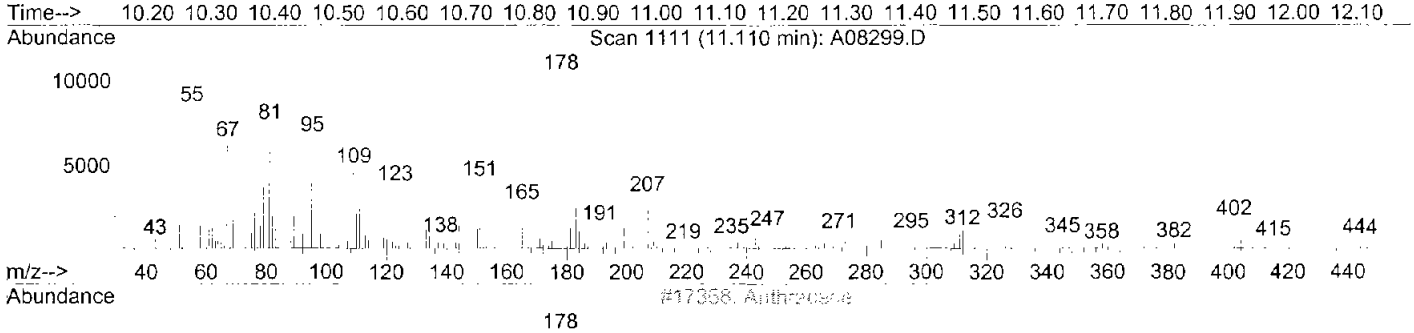
Ion	Exp%	Act%
178.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

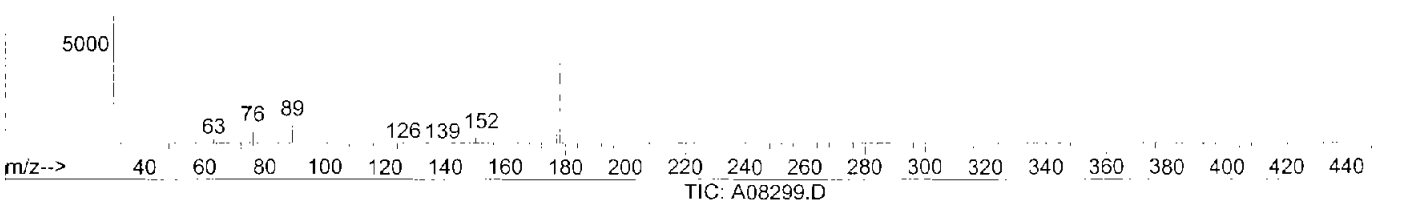
Quantitation Report (Qedit)

Data File : W:\113004\A08299.D Vial: 0
Acq On : 30 Nov 2004 18:33 Operator: CLZ
Sample : 125060-3 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:09 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration







(71) Anthracene (T)

11.11min 45.50ug/L m

response 21317

Ion	Exp%	Act%
178.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : W:\113004\A08307.D Vial: 0
Acq On : 30 Nov 2004 21:39 Operator: CLZ
Sample : 125060-4 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 14:12:38 2004 Quant Results File: SV5-111604.RES

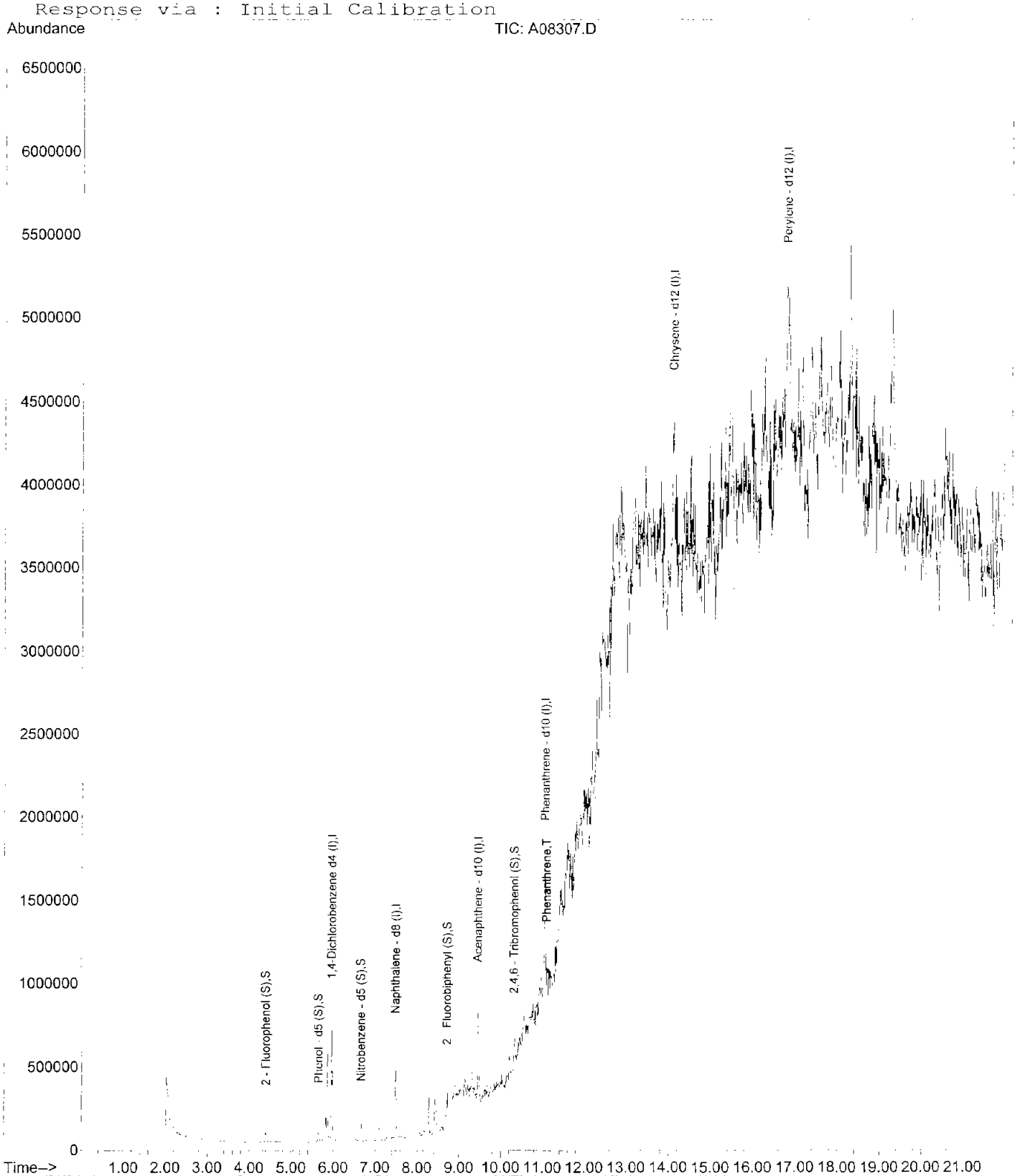
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration
DataAcq Meth :

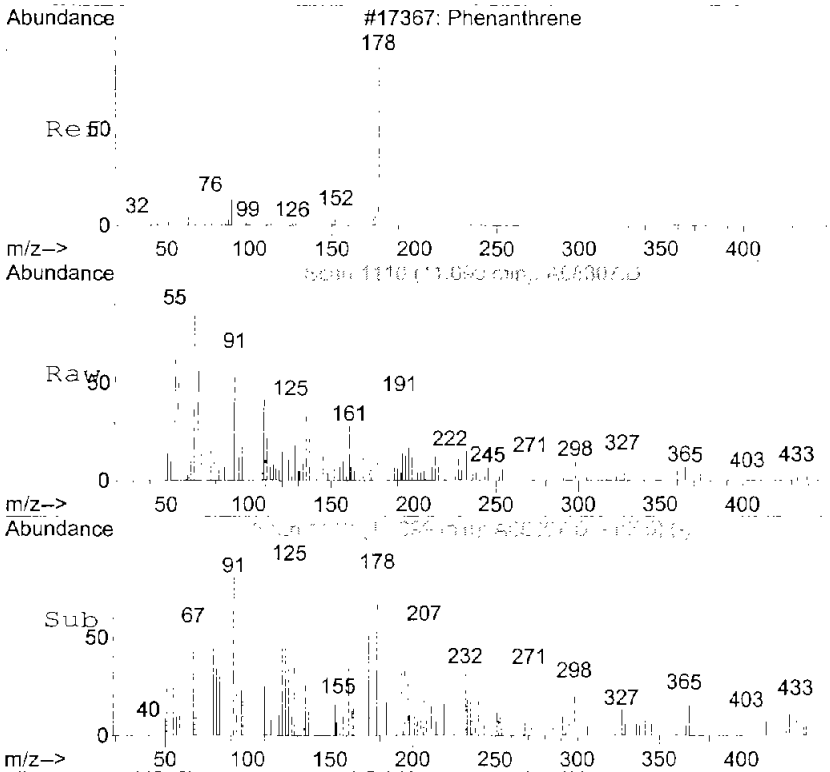
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.97	152	71678	1000.00 ug/L	0.02
22) Naphthalene - d8 (I)	7.49	136	334246	1000.00 ug/L	0.02
38) Acenaphthene - d10 (I)	9.47	162	255929	1000.00 ug/L	0.03
62) Phenanthrene - d10 (I)	11.07	188	485604	1000.00 ug/L	0.03
79) Chrysene - d12 (I)	14.09	240	518807	1000.00 ul/l	0.04
85) Perylene - d12 (I)	16.79	264	663739	1000.00 ug/L	0.10
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.40	112	24945	436.09 ug/L	0.00
7) Phenol - d5 (S)	5.65	99	32518	523.10 ug/L	-0.03
23) Nitrobenzene - d5 (S)	6.67	82	42904	506.69 ug/L	0.04
43) 2 - Fluorobiphenyl (S)	8.72	172	90335	464.19 ug/L	0.04
65) 2,4,6 - Tribromophenol (S)	10.33	330	29103	507.41 ug/L	0.00
78) p - Terphenyl - d14 (S)	12.77	244	163242	471.54 ug/L	0.02
Target Compounds					Qvalue
70) Phenanthrene	11.10	178	28144	75.88 ug/L	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\113004\A08307.D Vial: 0
Acq On : 30 Nov 2004 21:39 Operator: CLZ
Sample : 125060-4 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:14 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration

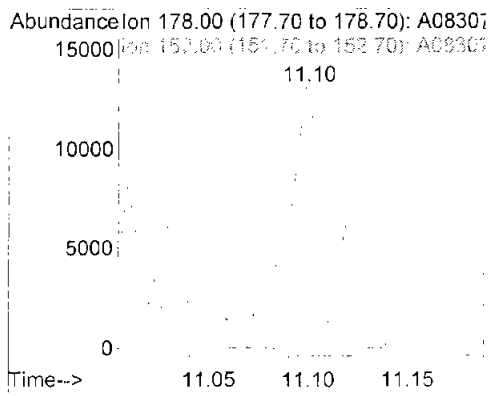




#70
Phenanthrene
Concen: 75.88 ug/L
RT: 11.10 min Scan# 1110
Delta R.T. 0.05 min
Lab File: A08307.D
Acq: 30 Nov 2004 21:39

Tgt Ion:178 Resp: 28144

Ion	Ratio	Lower	Upper
178	100		
152	25.7	0.0	58.0



Data File : W:\113004\A08308.D Vial: 0
Acq On : 30 Nov 2004 22:06 Operator: CLZ
Sample : 125060-5 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 14:15:24 2004 Quant Results File: SV5-111604.RES

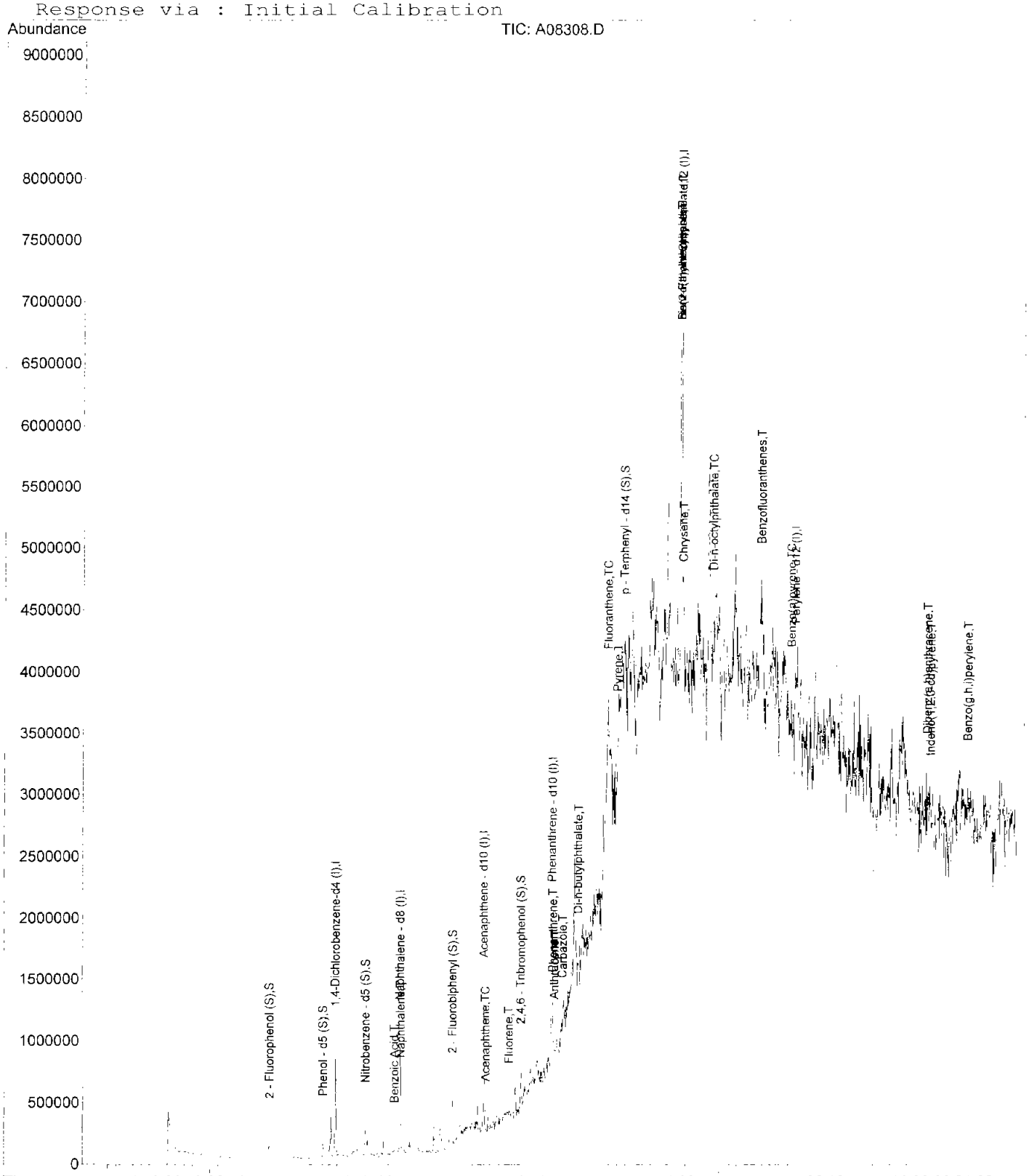
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.96	152	125487	1000.00	ug/L	0.01
22) Naphthalene - d8 (I)	7.49	136	614275	1000.00	ug/L	0.02
38) Acenaphthene - d10 (I)	9.46	162	459047	1000.00	ug/L	0.02
62) Phenanthrene - d10 (I)	11.06	188	741577	1000.00	ug/L	0.02
79) Chrysene - d12 (I)	14.10	240	743258	1000.00	ul/l	0.05
85) Perylene - d12 (I)	16.78	264	885956	1000.00	ug/L	0.09
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.41	112	47842	477.74	ug/L	0.02
7) Phenol - d5 (S)	5.67	99	71340	655.51	ug/L	-0.01
23) Nitrobenzene - d5 (S)	6.67	82	88301	567.43	ug/L	0.04
43) 2 - Fluorobiphenyl (S)	8.72	172	183154	524.71	ug/L	0.03
65) 2,4,6 - Tribromophenol (S)	10.34	330	45501	519.48	ug/L	0.02
78) p - Terphenyl - d14 (S)	12.76	244	267744	506.44	ug/L	0.01
Target Compounds						Qvalue
29) Benzoic Acid	7.34	105	23818	221.16	ug/L	100
32) Naphthalene	7.51	128	9693	20.26	ug/L	1
51) Acenaphthene	9.50	153	17793	47.74	ug/L	100
59) Fluorene	10.05	166	18862	57.87	ug/L	13
70) Phenanthrene	11.09	178	113831	200.98	ug/L	67
71) Anthracene	11.14	178	36398	69.41	ug/L	100
73) Carbazole	11.31	167	38911	77.00	ug/L	61
74) Di-n-butylphthalate	11.69	149	84552	87.82	ug/L	6
75) Fluoranthene	12.38	202	261698	427.29	ug/L	92
76) Pyrene	12.62	202	259211	418.93	ug/L	72
81) Benzo(a)anthracene	14.08	228	213041m	391.95	ug/L	
83) Chrysene	14.14	228	328609	696.20	ug/L	98
84) bis(2-Ethylhexyl)phthalate	14.09	149	1826952	2693.91	ug/L	91
86) Di-n-octylphthalate	14.85	149	587769	500.08	ug/L	79
87) Benzofluoranthenes	15.97	252	397056	595.43	ug/L	34
88) Benzo(a)pyrene	16.67	252	202814	328.21	ug/L	100
89) Indeno(1,2,3-cd)pyrene	19.95	276	184754m	214.86	ug/L	
90) Dibenz(a,h)anthracene	19.88	278	7084	10.00	ug/L	100
91) Benzo(g,h,i)perylene	20.84	276	168889	241.99	ug/L	100

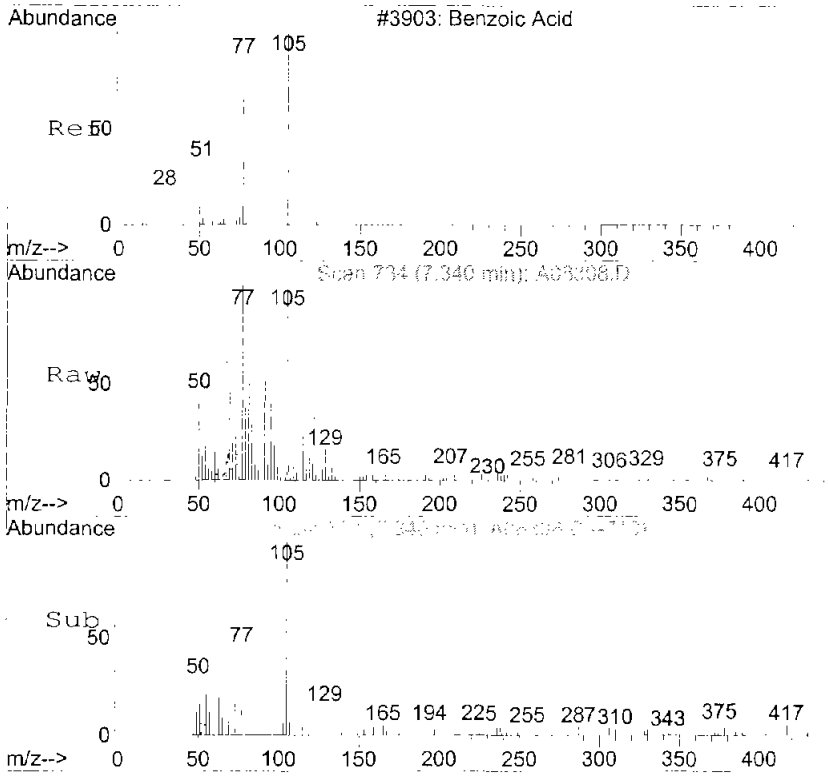
(#) = qualifier out of range (m) = manual integration (+) = signals summed
A08308.D SV5-111604.M Wed Dec 01 14:33:35 2004 Page 1

Data File : W:\113004\A08308.D Vial: 0
Acq On : 30 Nov 2004 22:06 Operator: CLZ
Sample : 125060-5 SSI285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:31 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration

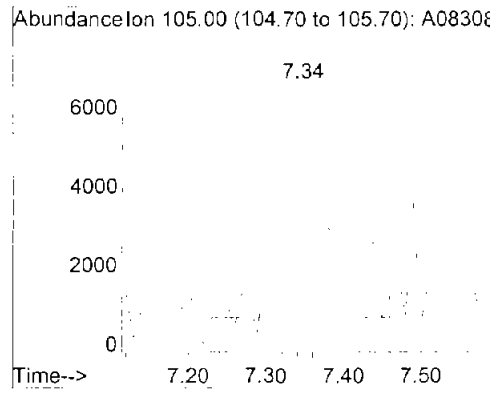


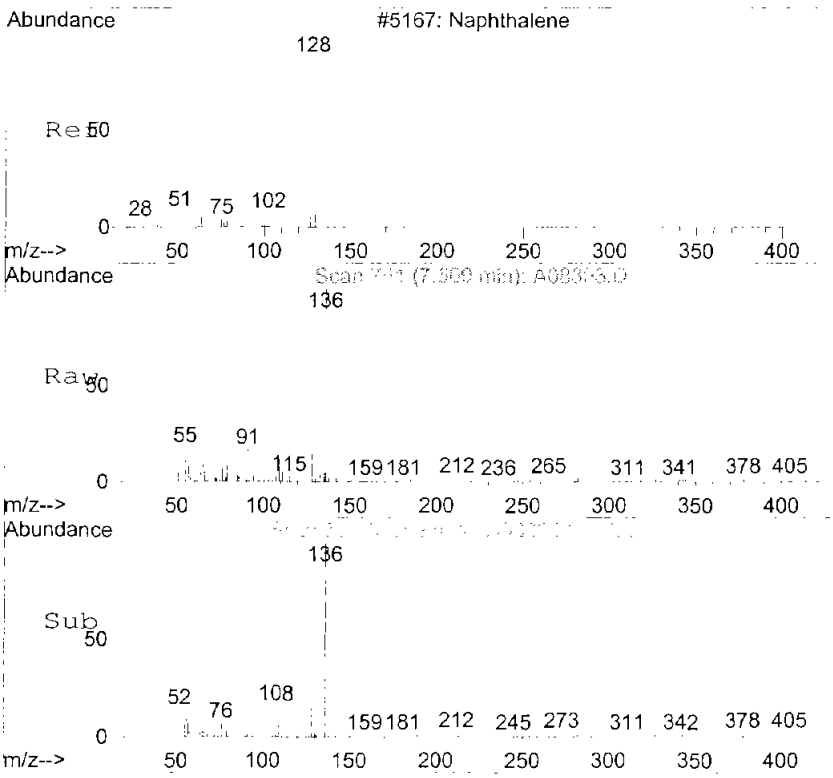
00568



#29
Benzoic Acid
Concen: 221.16 ug/L
RT: 7.34 min Scan# 734
Delta R.T. 0.05 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:105 Resp: 23818

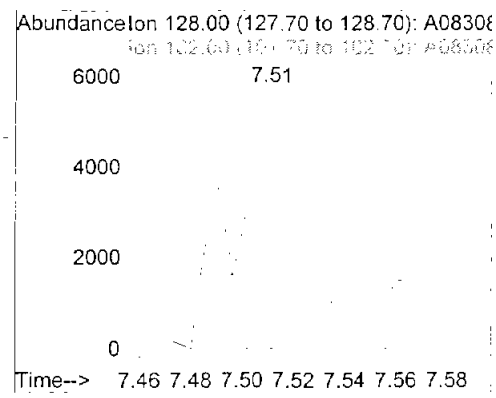


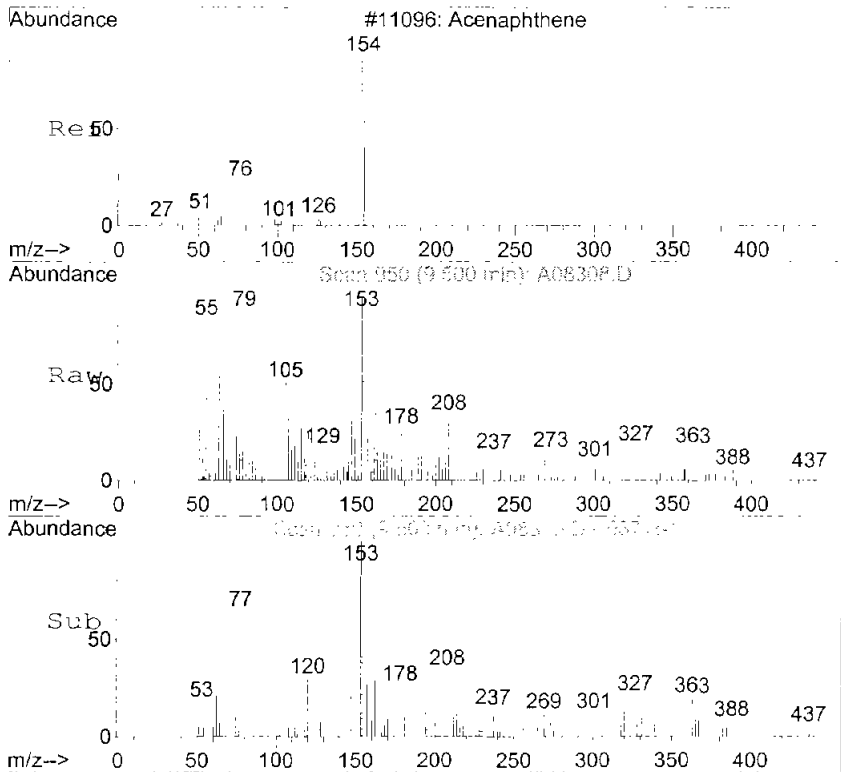


#32
Naphthalene
Concen: 20.26 ug/L
RT: 7.51 min Scan# 751
Delta R.T. 0.02 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:128 Resp: 9693

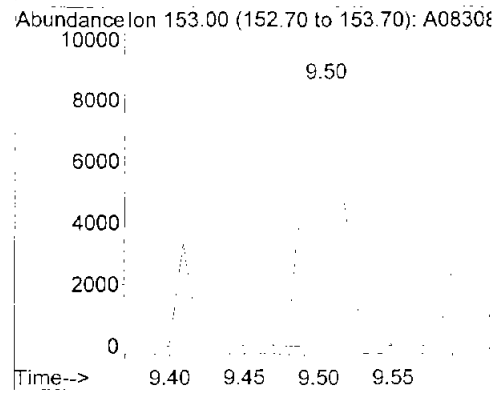
Ion	Ratio	Lower	Upper
128	100		
102	62.8	0.0	75.6

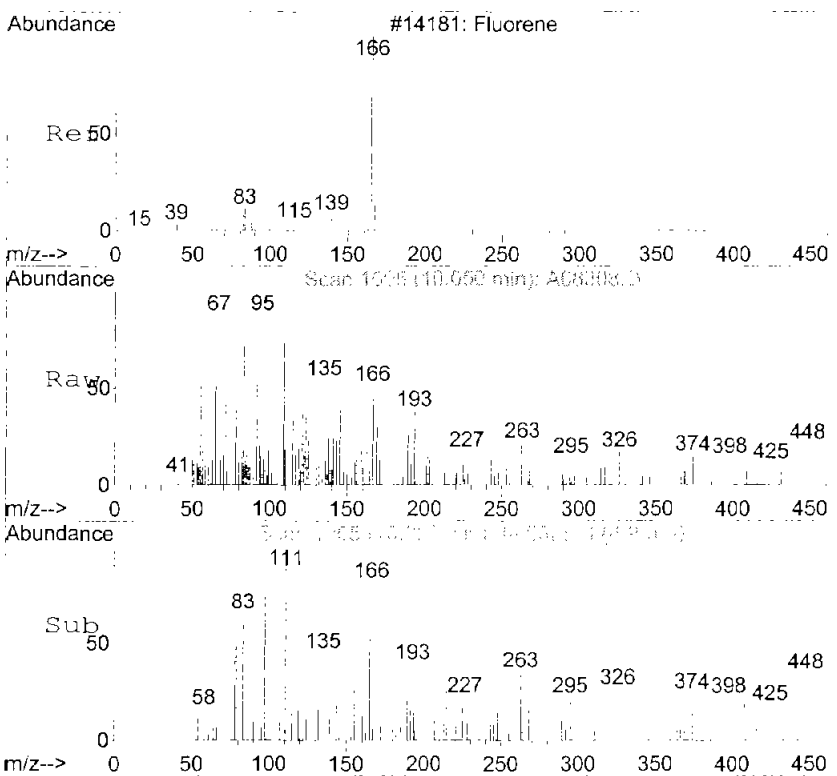




#51
Acenaphthene
Concen: 47.74 ug/L
RT: 9.50 min Scan# 950
Delta R.T. 0.03 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:153 Resp: 17793

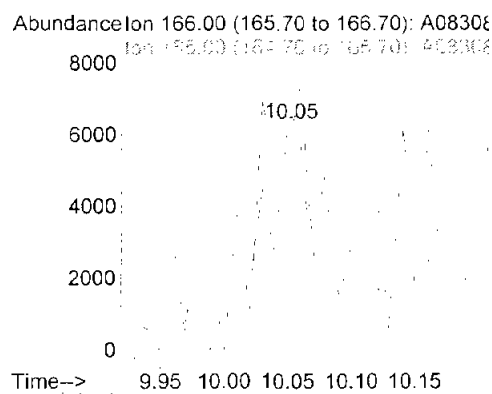


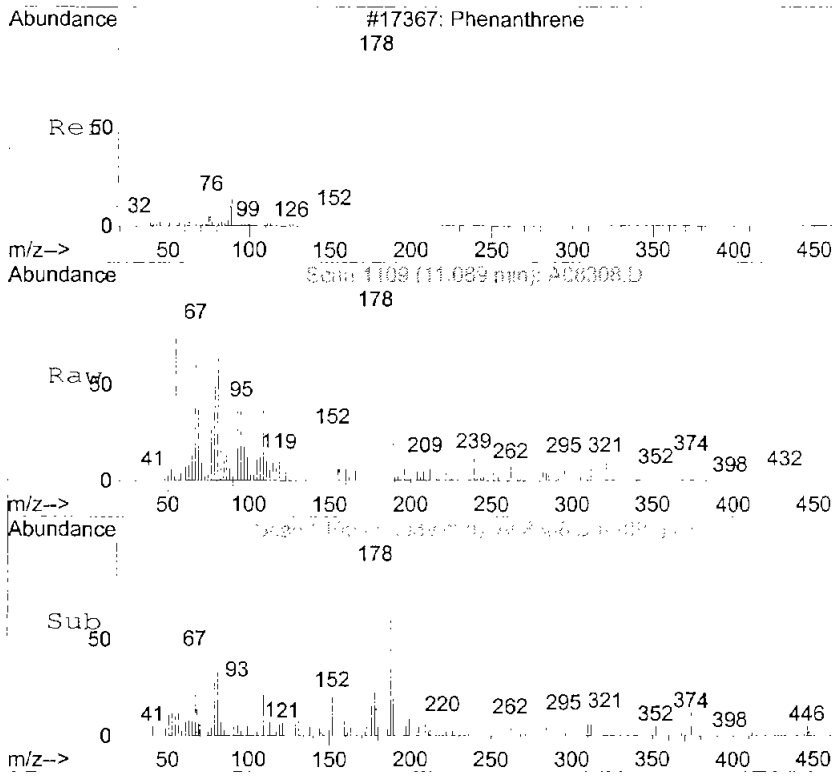


#59
Fluorene
Concen: 57.87 ug/L
RT: 10.05 min Scan# 1005
Delta R.T. 0.00 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:166 Resp: 18862

Ion	Ratio	Lower	Upper
166	100		
165	157.5	0.4	160.4

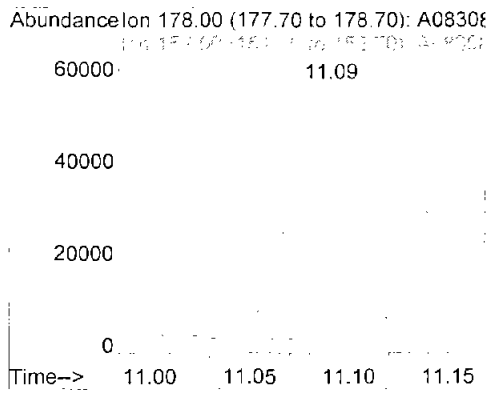


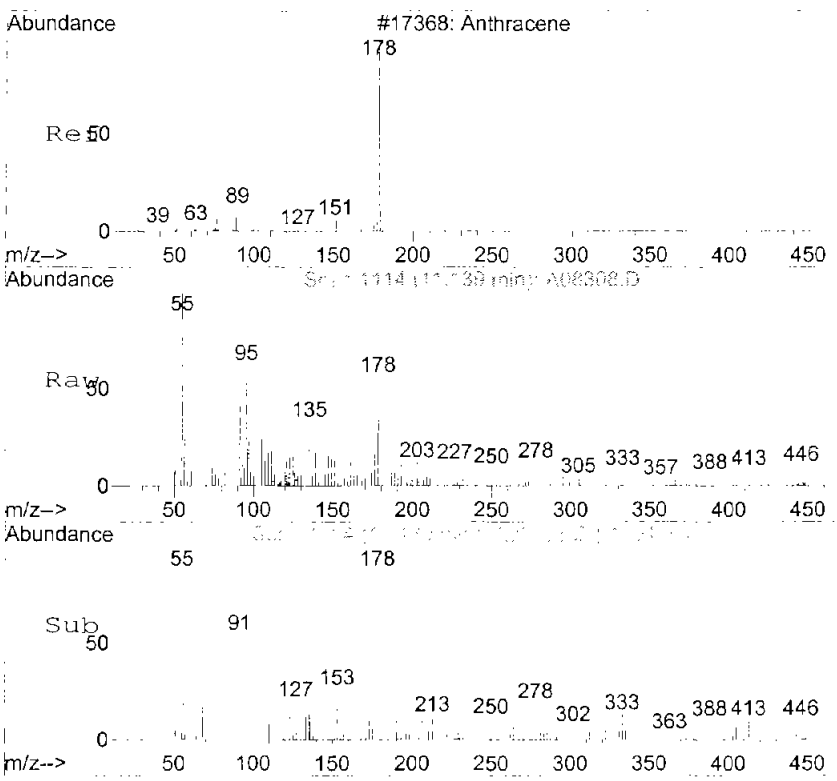


#70
Phenanthrene
Concen: 200.98 ug/L
RT: 11.09 min Scan# 1109
Delta R.T. 0.04 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:178 Resp: 113831

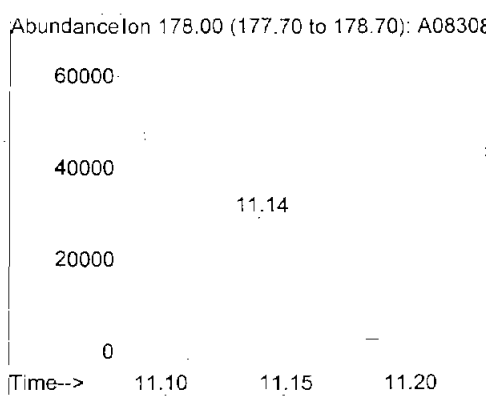
Ion	Ratio	Lower	Upper
178	100		
152	32.8	0.0	58.0

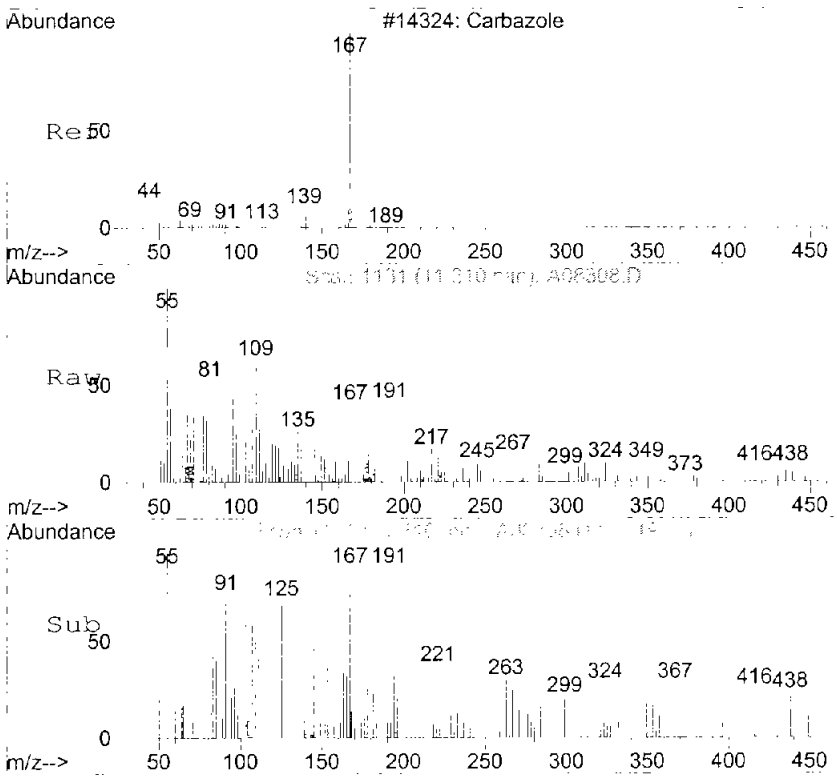




#71
Anthracene
Concen: 69.41 ug/L
RT: 11.14 min Scan# 1114
Delta R.T. 0.03 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:178 Resp: 36398

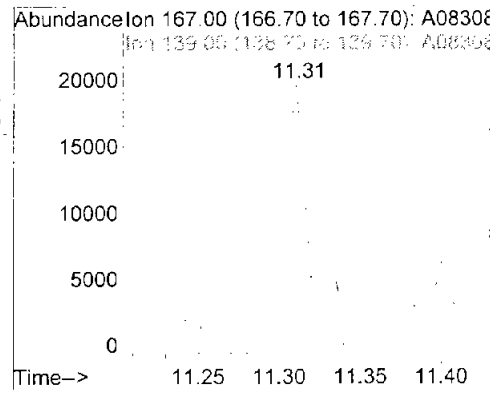


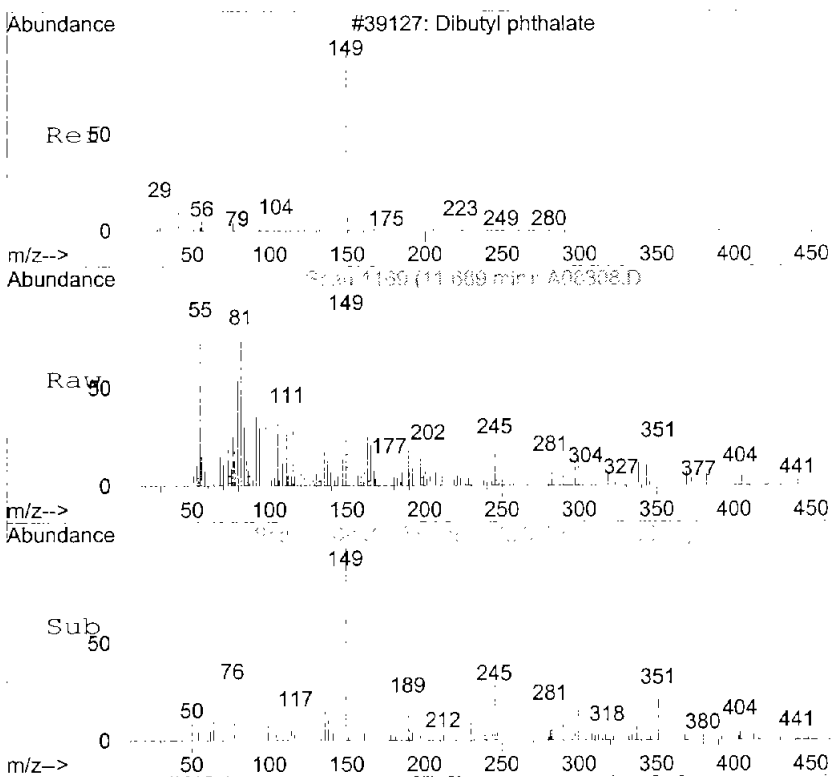


#73
Carbazole
Concen: 77.00 ug/L
RT: 11.31 min Scan# 1131
Delta R.T. 0.02 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:167 Resp: 38911

Ion	Ratio	Lower	Upper
167	100		
139	34.0	0.0	57.2

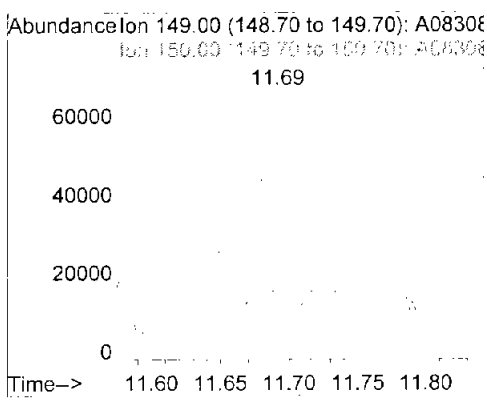


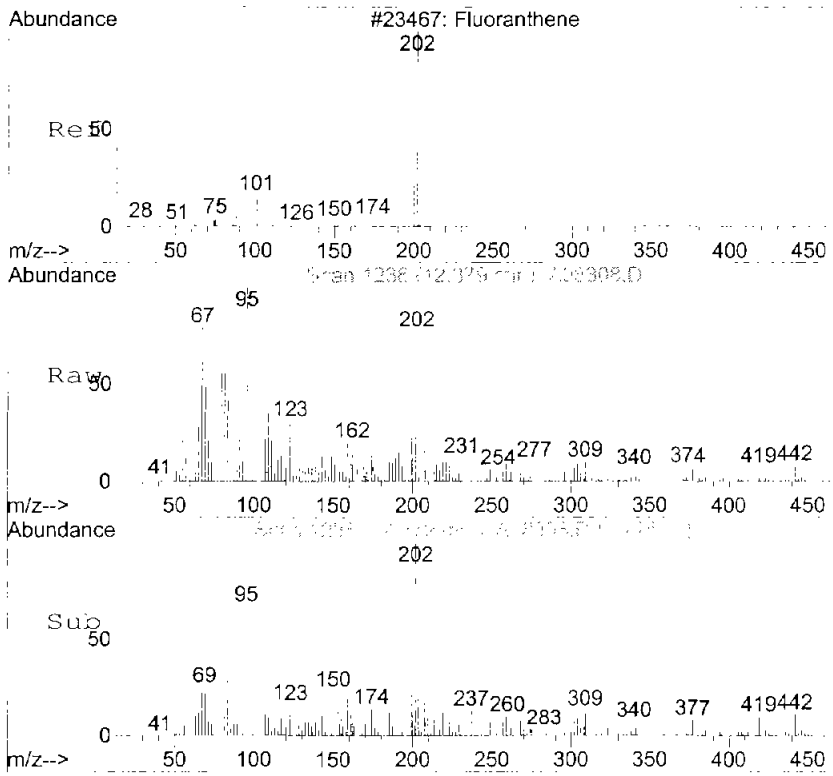


#74
Di-n-butylphthalate
Concen: 87.82 ug/L
RT: 11.69 min Scan# 1169
Delta R.T. -0.01 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:149 Resp: 84552

Ion	Ratio	Lower	Upper
149	100		
150	40.9	0.0	47.9

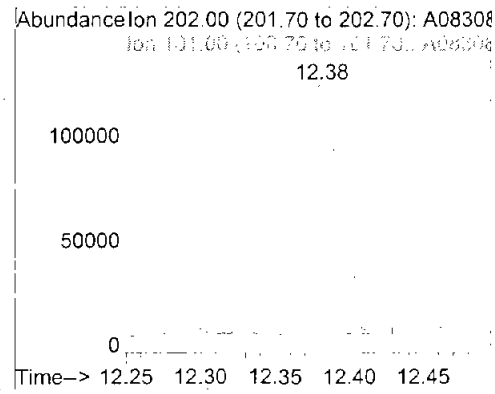


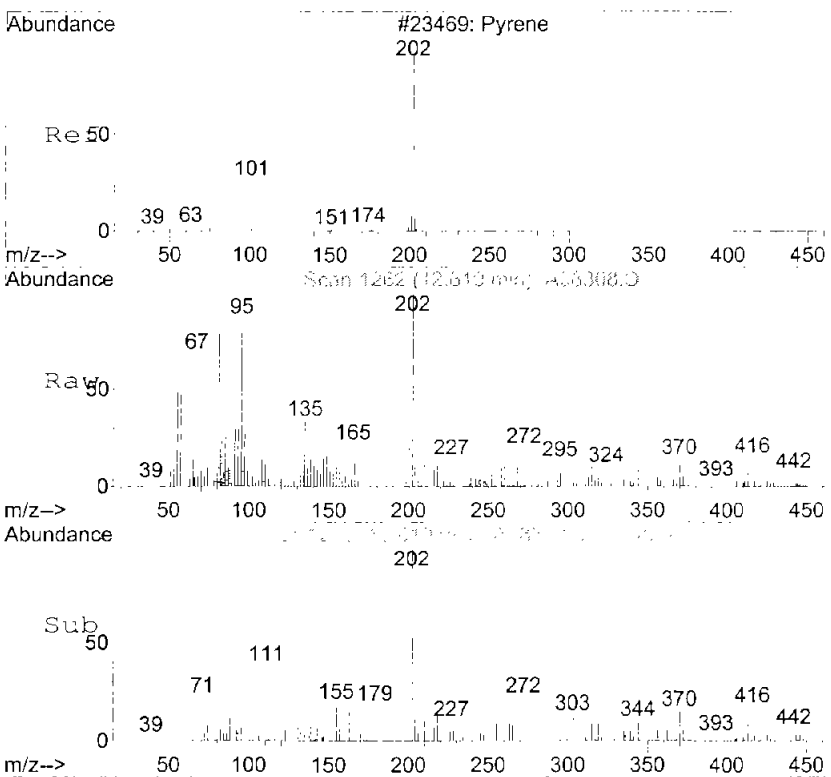


#75
Fluoranthene
Concen: 427.29 ug/L
RT: 12.38 min Scan# 1238
Delta R.T. 0.03 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:202 Resp: 261698

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	70.3

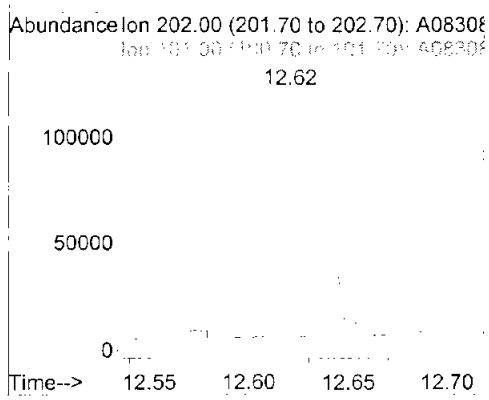


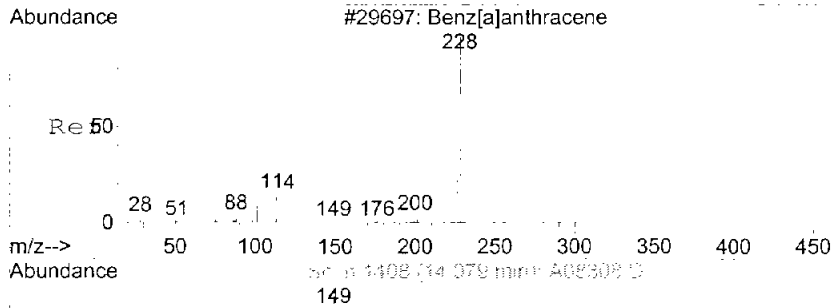


#76
Pyrene
Concen: 418.93 ug/L
RT: 12.62 min Scan# 1262
Delta R.T. 0.03 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:202 Resp: 259211

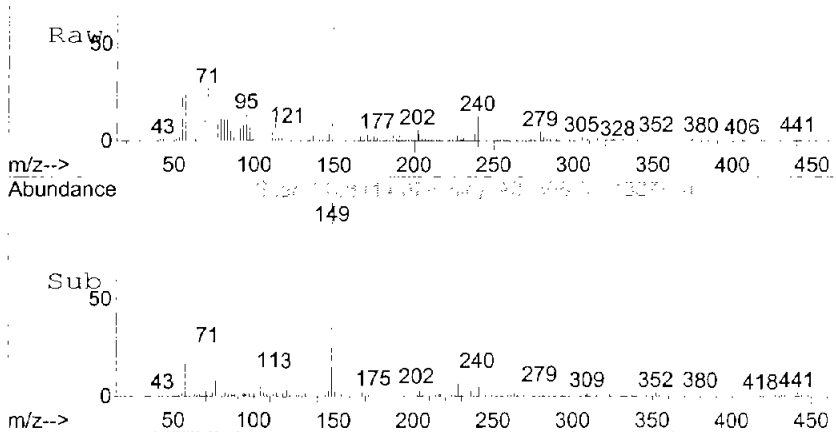
Ion	Ratio	Lower	Upper
202	100		
101	19.4	0.0	49.2

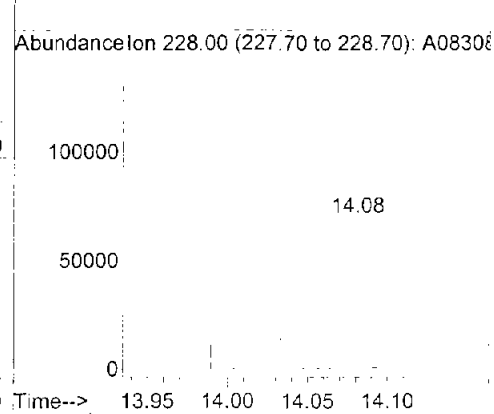


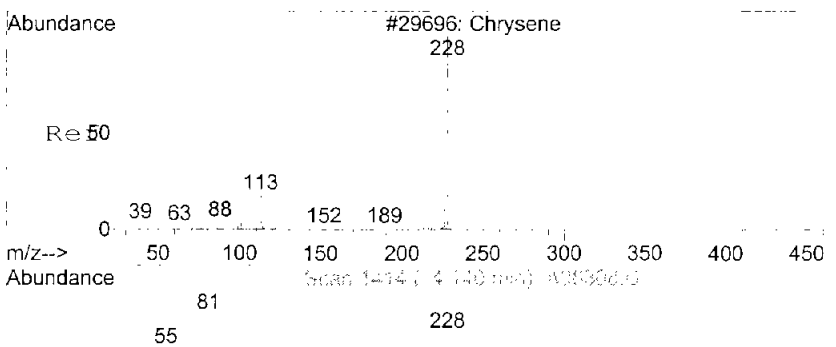


#81
Benzo(a)anthracene
Concen: 391.95 ug/L m
RT: 14.08 min Scan# 1408
Delta R.T. 0.06 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:228 Resp: 213041



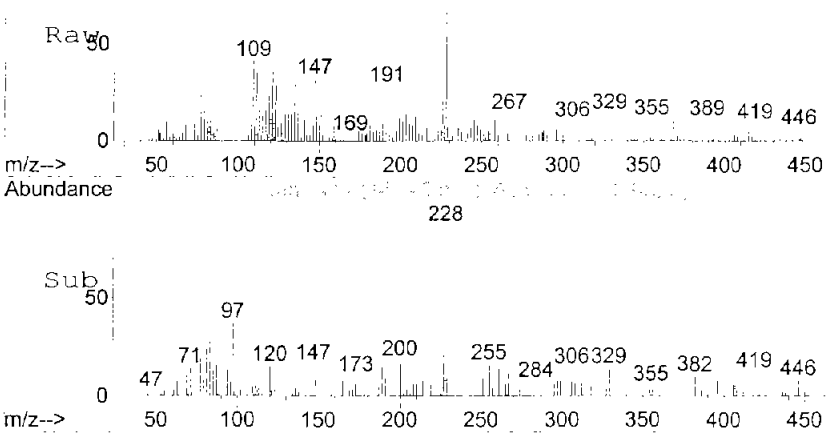


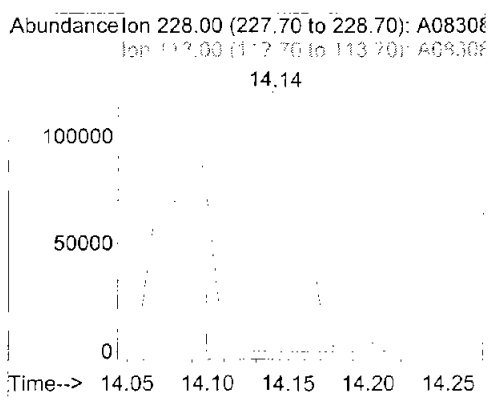


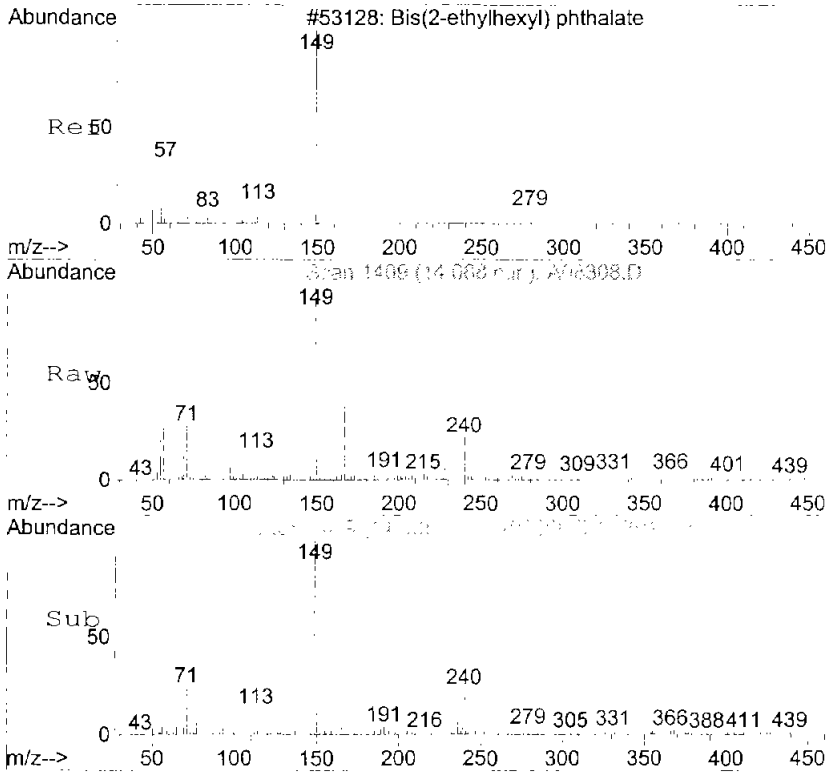
#83
Chrysene
Concen: 696.20 ug/L
RT: 14.14 min Scan# 1414
Delta R.T. 0.05 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:228 Resp: 328609

Ion	Ratio	Lower	Upper
228	100		
113	14.5	0.0	55.2



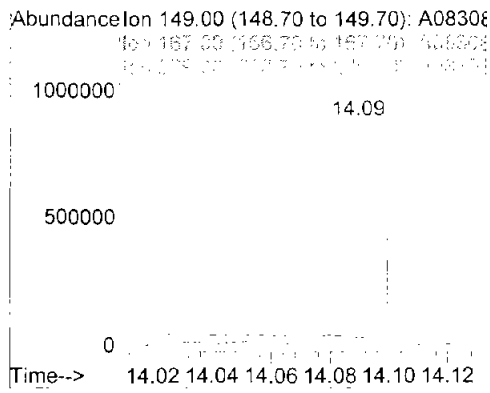


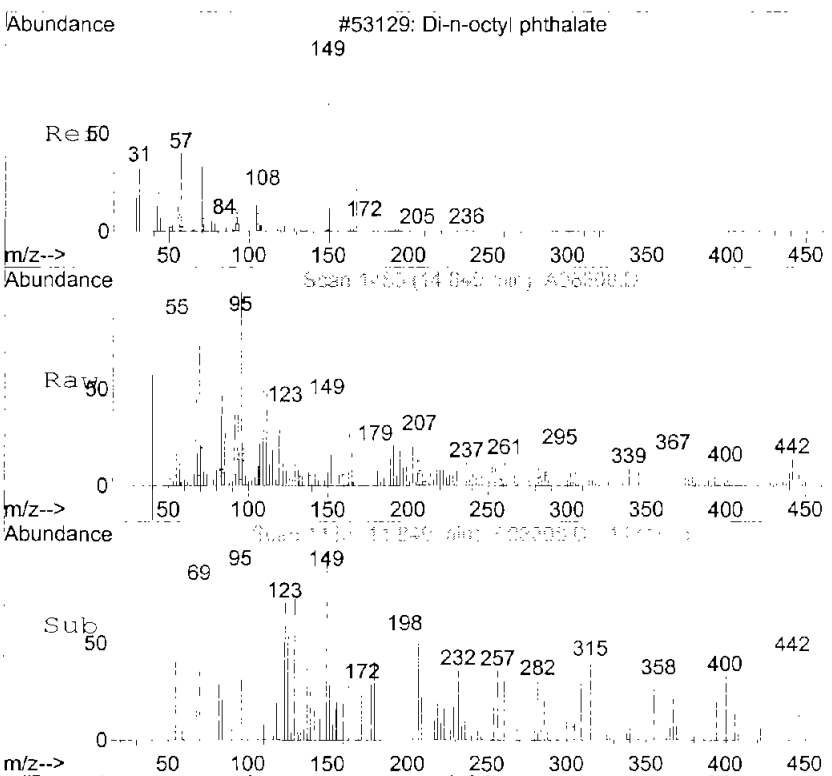


#84
bis(2-Ethylhexyl)phthalate
Concen: 2693.91 ug/L
RT: 14.09 min Scan# 1409
Delta R.T. 0.05 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:149 Resp: 1826952

Ion	Ratio	Lower	Upper
149	100		
167	32.3	0.0	78.1
279	3.1	0.0	42.4

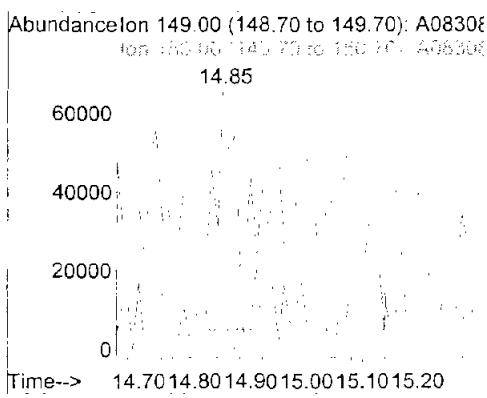


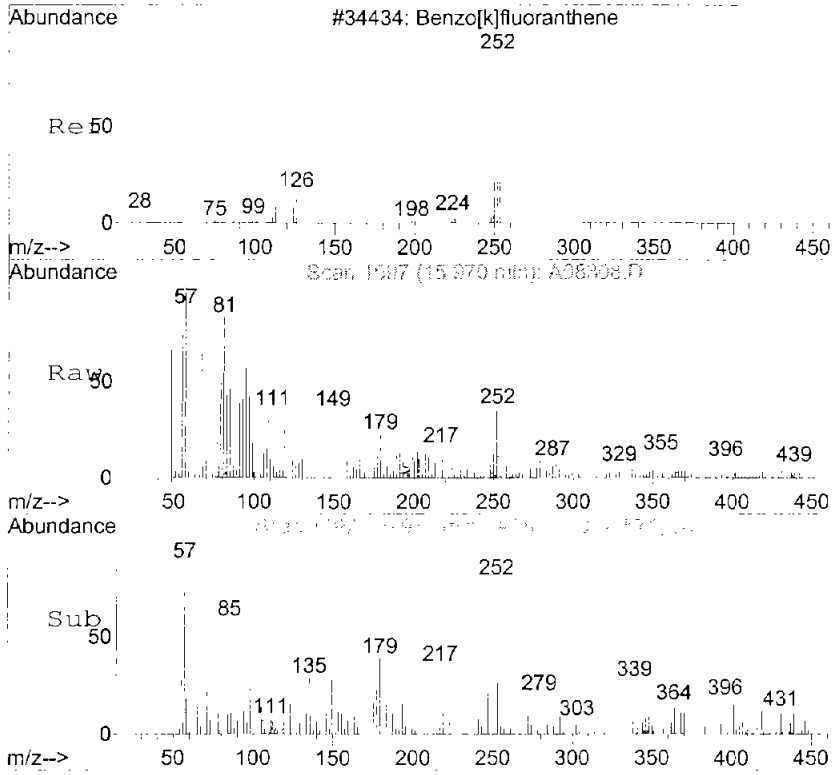


#86
Di-n-octylphthalate
Concen: 500.08 ug/L
RT: 14.85 min Scan# 1485
Delta R.T. -0.16 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:149 Resp: 587769

Ion	Ratio	Lower	Upper
149	100		
150	2.1	0.0	49.6

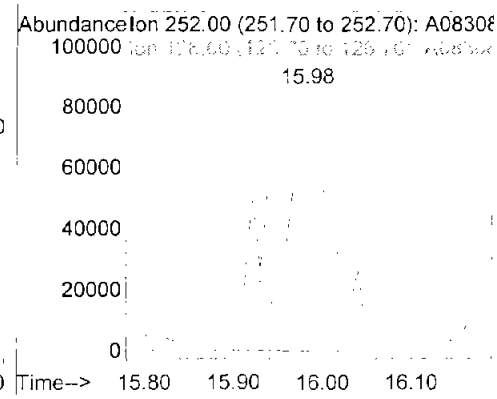


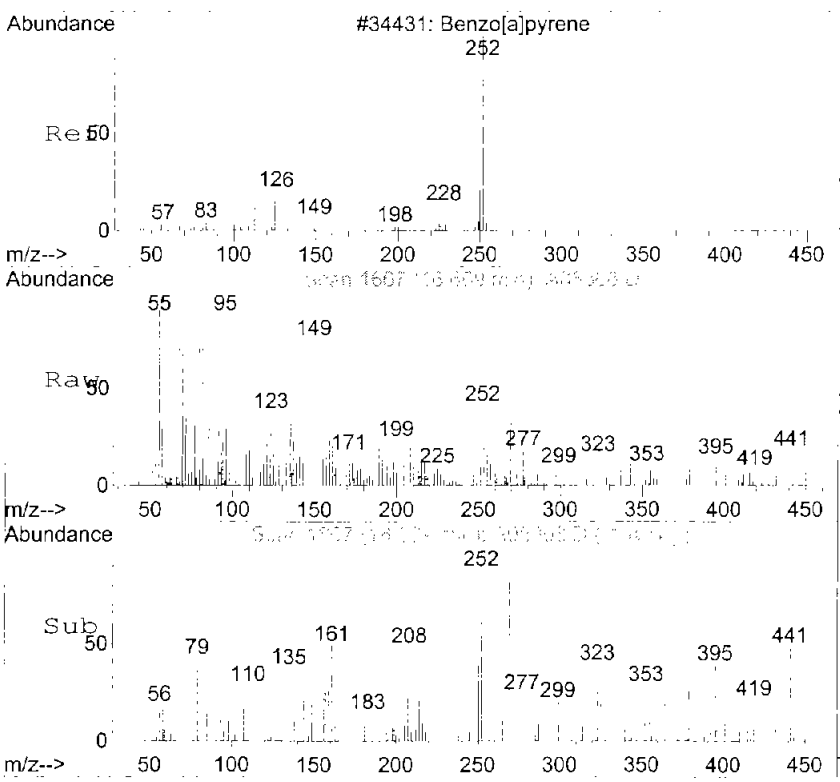


#87
Benzofluoranthenes
Concen: 595.43 ug/L
RT: 15.97 min Scan# 1597
Delta R.T. 0.09 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

Tgt Ion:252 Resp: 397056

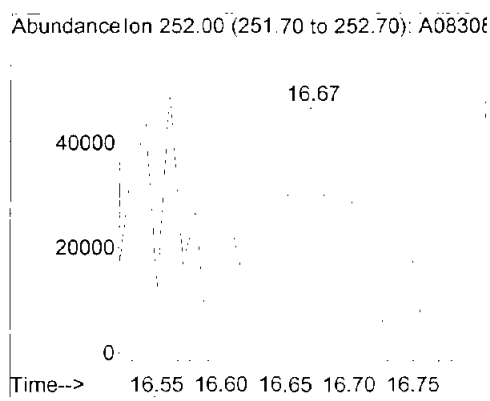
Ion	Ratio	Lower	Upper
252	100		
126	34.4	0.0	50.0

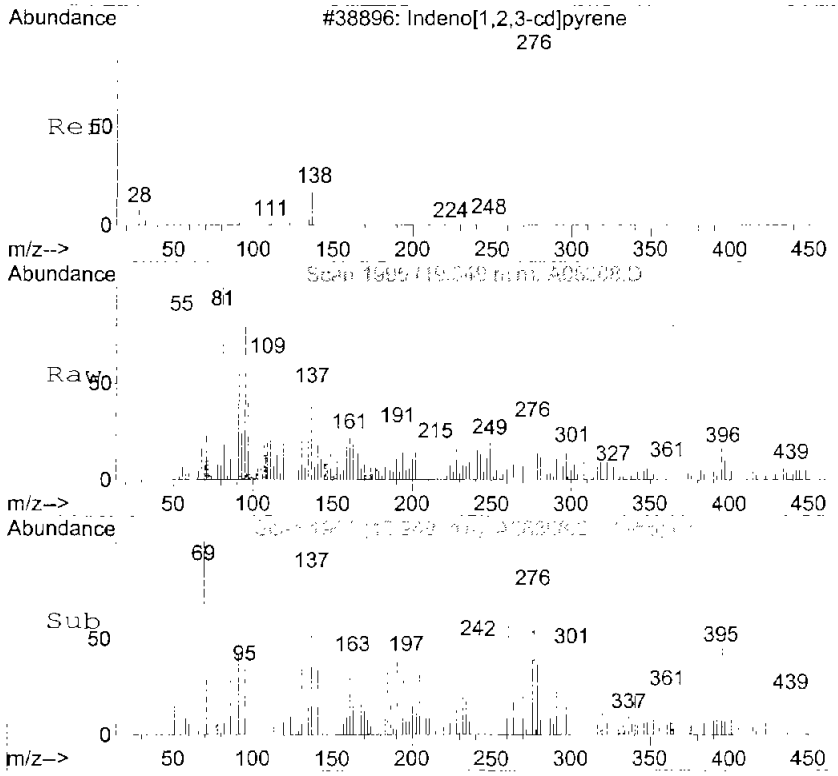




#88
Benzo(a)pyrene
Concen: 328.21 ug/L
RT: 16.67 min Scan# 1667
Delta R.T. 0.11 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

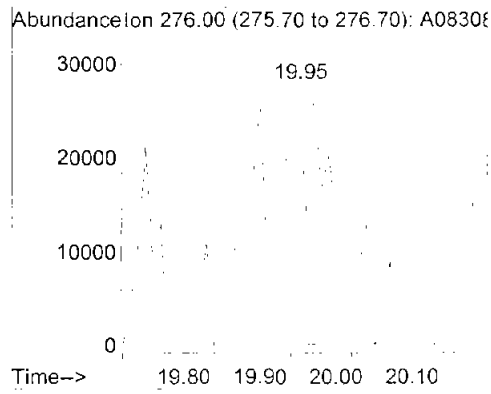
Tgt Ion:252 Resp: 202814

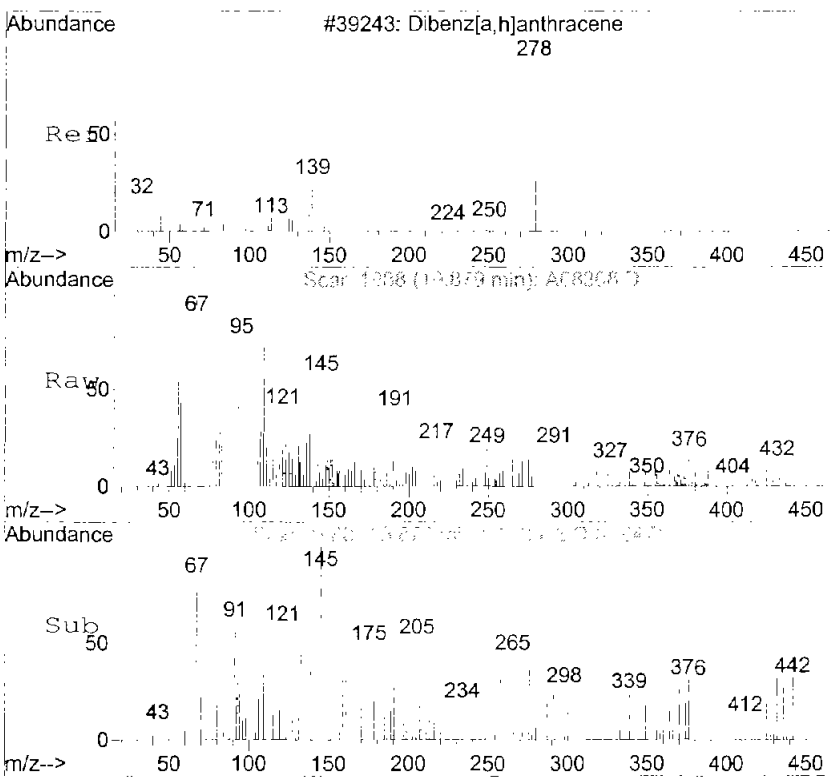




#89
Indeno(1,2,3-cd)pyrene
Concen: 214.86 ug/L m
RT: 19.95 min Scan# 1995
Delta R.T. 0.20 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

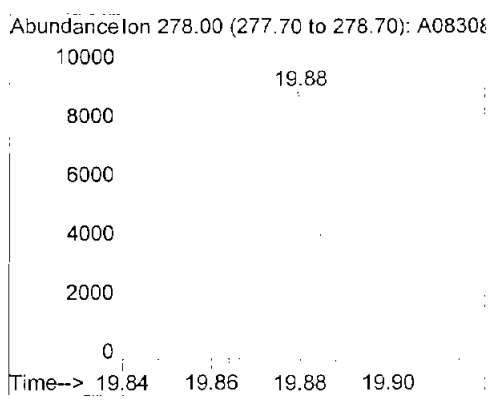
Tgt Ion:276 Resp: 184754

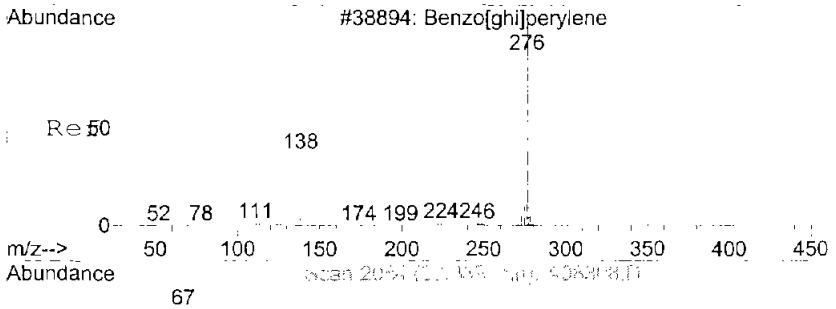




#90
Dibenz(a,h)anthracene
Concen: 10.00 ug/L
RT: 19.88 min Scan# 1988
Delta R.T. 0.11 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

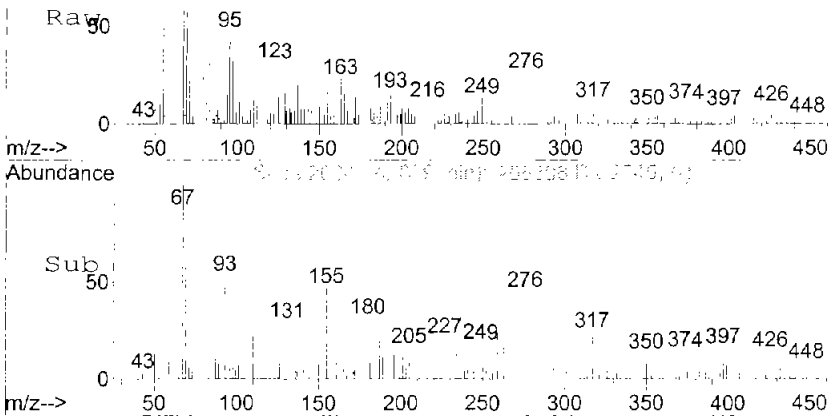
Tgt Ion:278 Resp: 7084

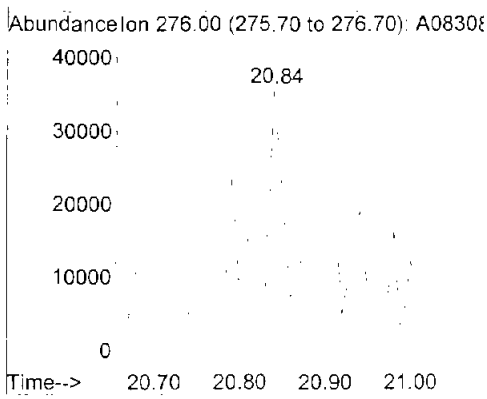




#91
Benzo(g,h,i)perylene
Concen: 241.99 ug/L
RT: 20.84 min Scan# 2084
Delta R.T. 0.19 min
Lab File: A08308.D
Acq: 30 Nov 2004 22:06

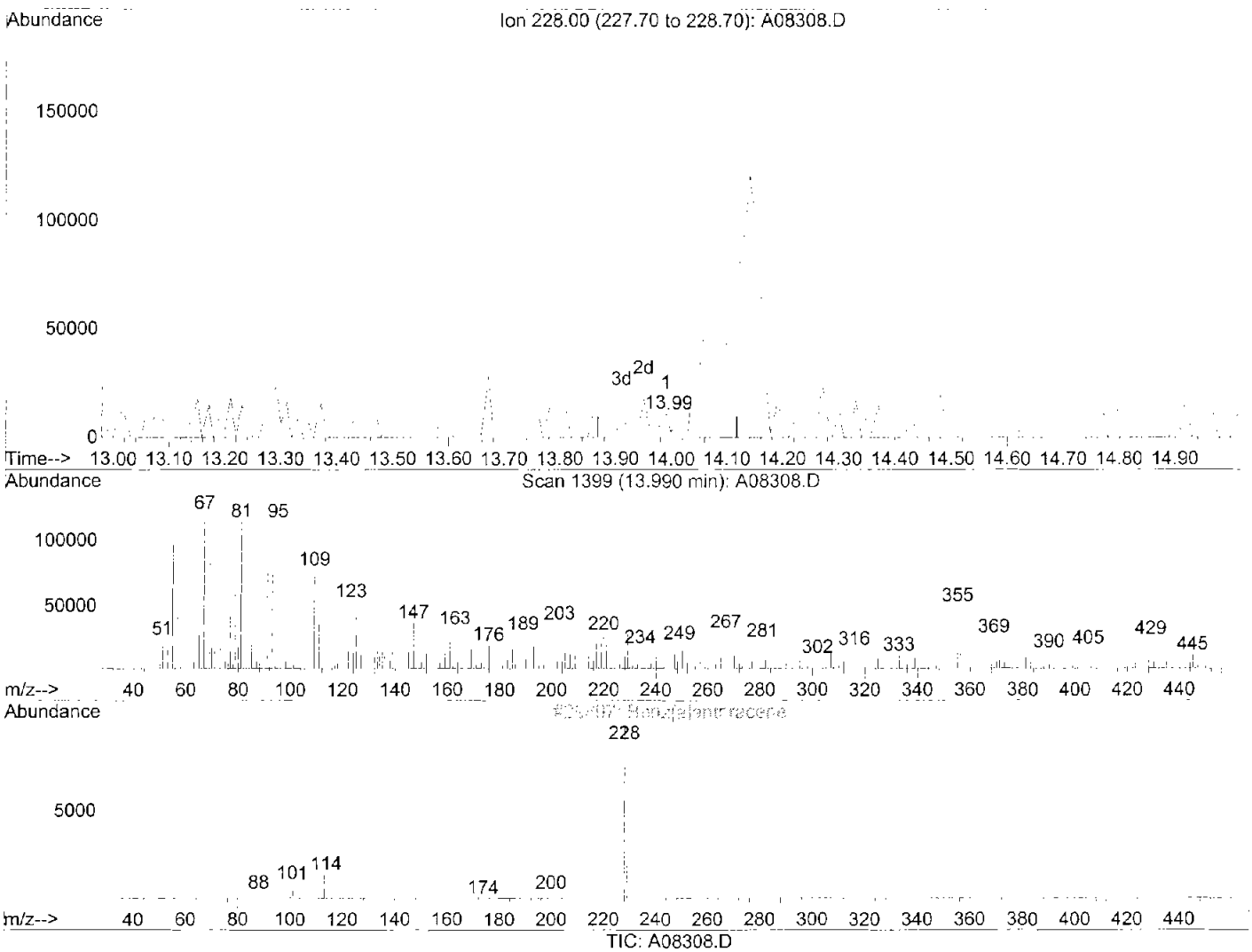
Tgt Ion:276 Resp: 168889





Data File : W:\113004\A08308.D Vial: 0
Acq On : 30 Nov 2004 22:06 Operator: CLZ
Sample : 125060-5 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:29 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration



(81) Benzo(a)anthracene (T)

13.99min 12.12ug/L

response 6589

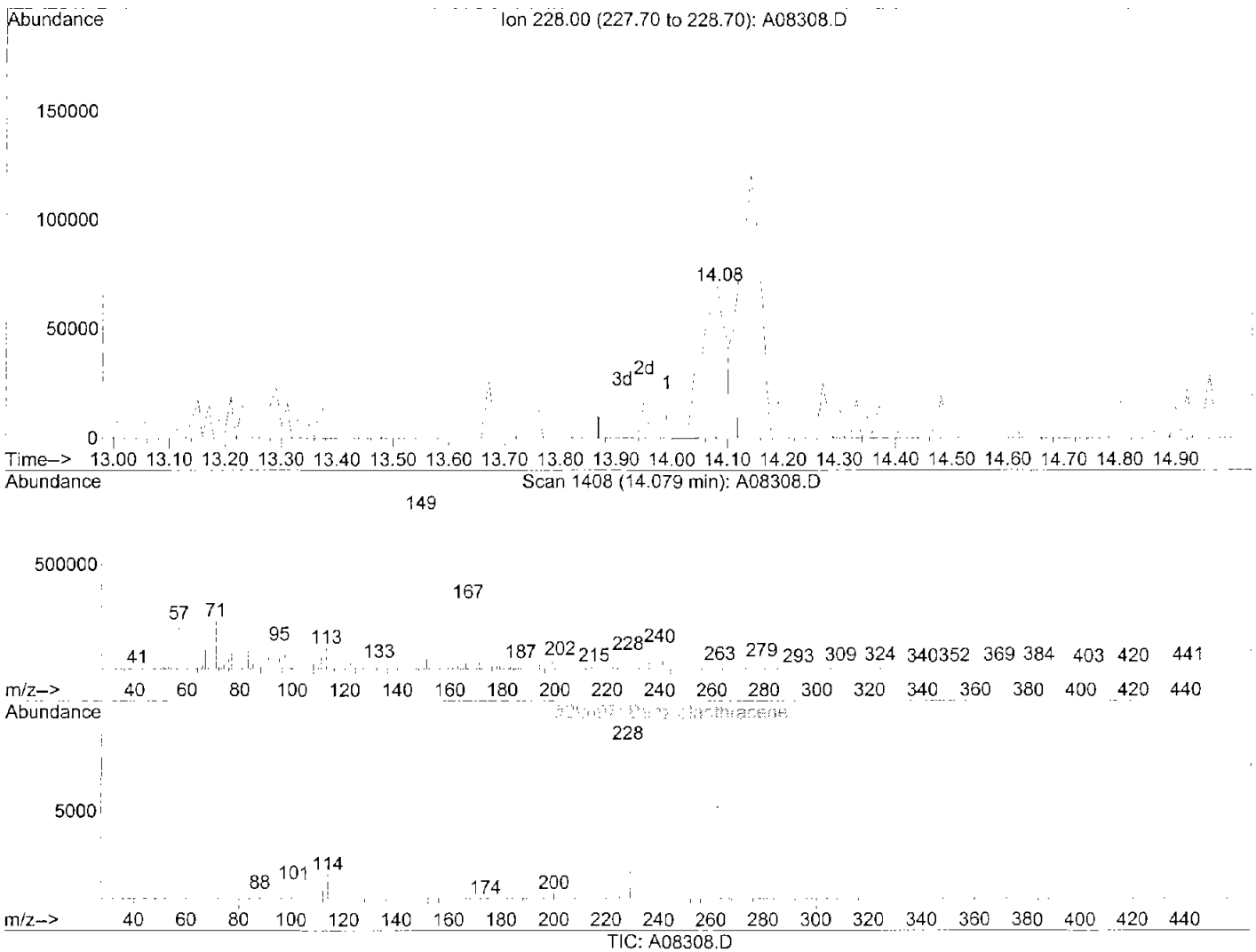
Ion	Exp%	Act%
228.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

A08308.D SV5-111604.M Wed Dec 01 14:29:26 2004

00578

Data File : W:\113004\A08308.D Vial: 0
Acq On : 30 Nov 2004 22:06 Operator: CLZ
Sample : 125060-5 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:29 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration



(81) Benzo(a)anthracene (T)

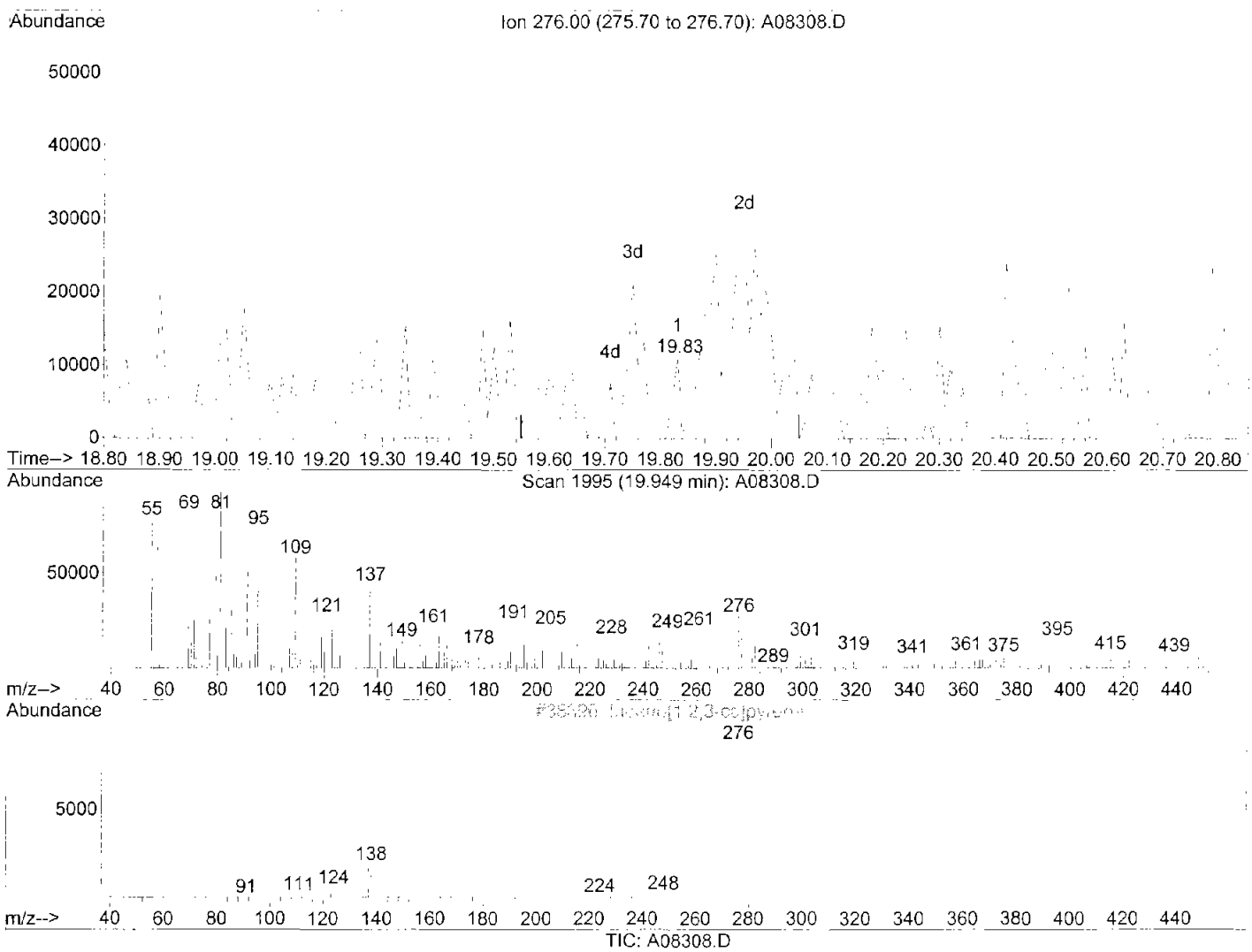
14.08min 391.95ug/L m

response 213041

Ion	Exp%	Act%
228.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : W:\113004\A08308.D Vial: 0
Acq On : 30 Nov 2004 22:06 Operator: CLZ
Sample : 125060-5 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:29 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration



(89) Indeno(1,2,3-cd)pyrene (T)

19.83min 11.21ug/L

response 9643

Ion	Exp%	Act%
276.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : W:\113004\A08302.D Vial: 0
Acq On : 30 Nov 2004 19:26 Operator: CLZ
Sample : 125060-6 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:12:57 2004 Quant Results File: SV5-111604.RES

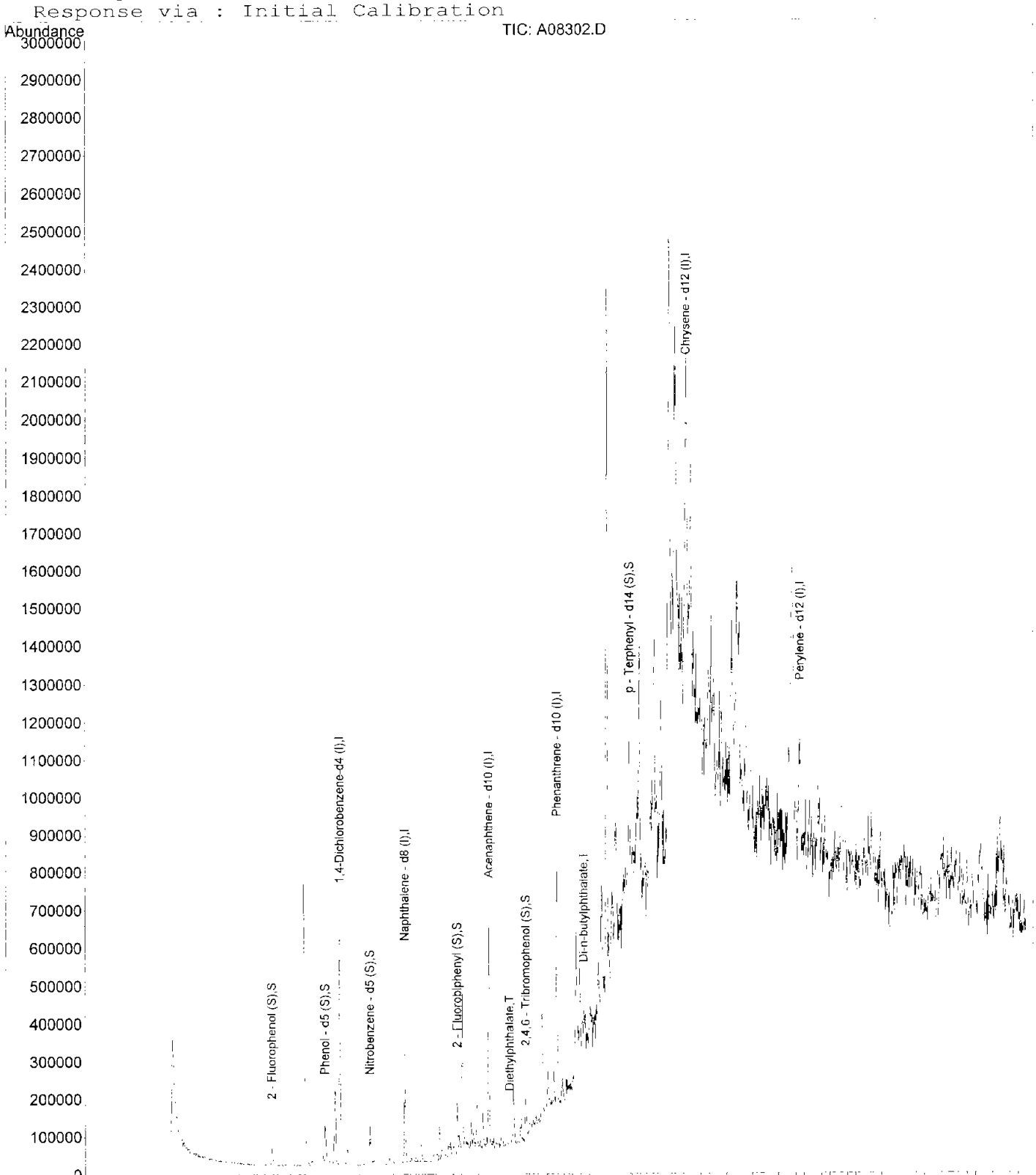
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration
DataAcq Meth :

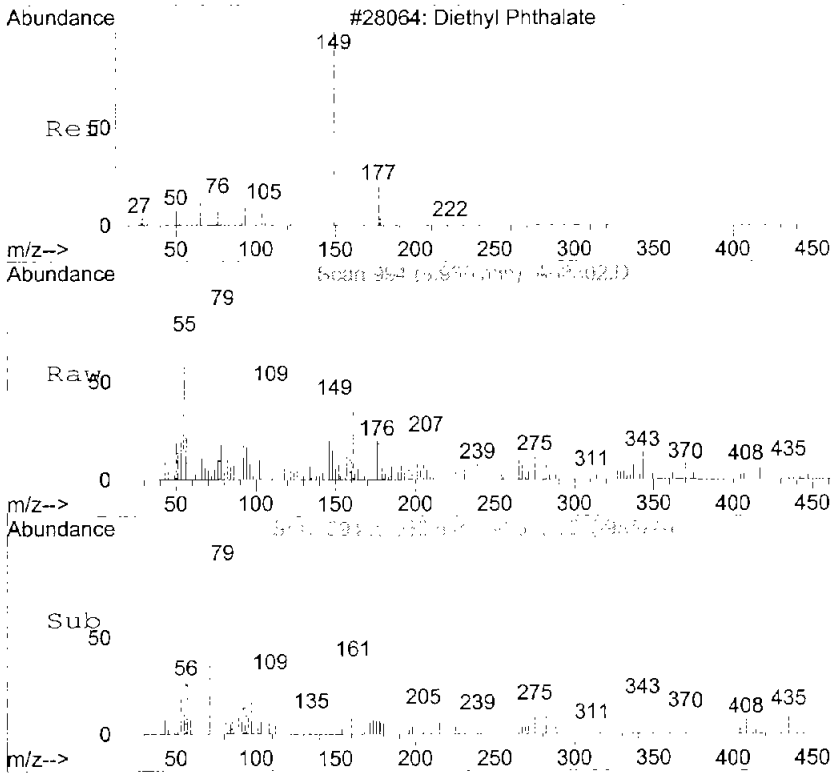
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.95	152	66075	1000.00 ug/L	0.00
22) Naphthalene - d8 (I)	7.47	136	306350	1000.00 ug/L	0.00
38) Acenaphthene - d10 (I)	9.44	162	273348	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.04	188	434394	1000.00 ug/L	0.00
79) Chrysene - d12 (I)	14.05	240	608069	1000.00 ul/l	0.00
85) Perylene - d12 (I)	16.71	264	494941	1000.00 ug/L	0.02
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.37	112	20175	382.61 ug/L	-0.02
7) Phenol - d5 (S)	5.61	99	27879	486.50 ug/L	-0.07
23) Nitrobenzene - d5 (S)	6.66	82	28898	372.36 ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.70	172	70889	341.05 ug/L	0.02
65) 2,4,6 - Tribromophenol (S)	10.31	330	24062	468.98 ug/L	-0.01
78) p - Terphenyl - d14 (S)	12.73	244	132408	427.56 ug/L	-0.01
Target Compounds					Qvalue
58) Diethylphthalate	9.94	149	4257	14.49 ug/L	60
74) Di-n-butylphthalate	11.67	149	58722	104.13 ug/L	95

Data File : W:\113004\A08302.D
Acq On : 30 Nov 2004 19:26
Sample : 125060-6 SS1285 &2.0 SOIL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:15 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration

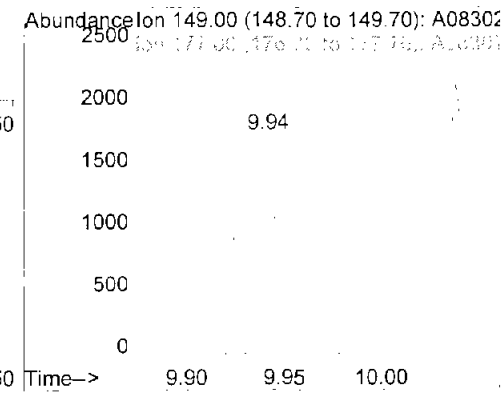


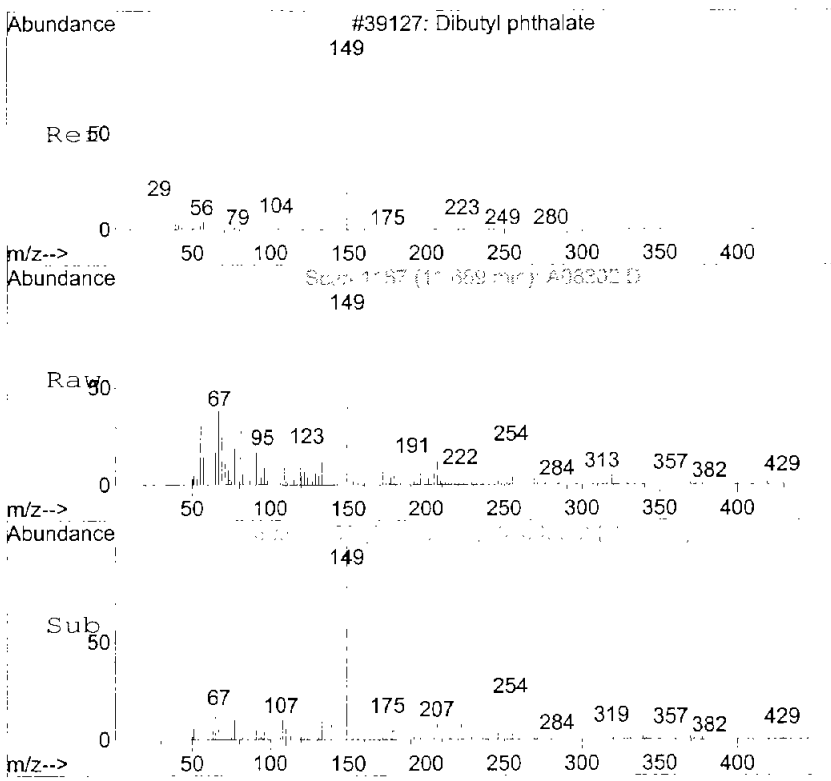


#58
Diethylphthalate
Concen: 14.49 ug/L
RT: 9.94 min Scan# 994
Delta R.T. -0.01 min
Lab File: A08302.D
Acq: 30 Nov 2004 19:26

Tgt Ion:149 Resp: 4257

Ion	Ratio	Lower	Upper
149	100		
177	39.9	0.0	61.2

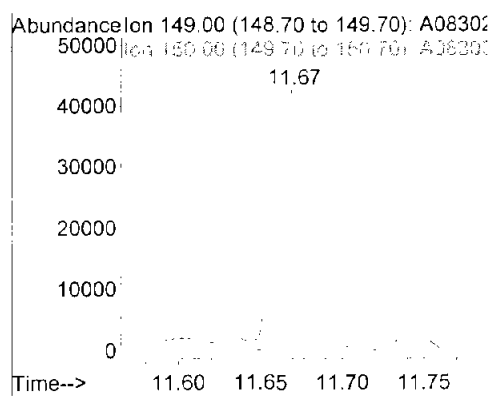




#74
Di-n-butylphthalate
Concen: 104.13 ug/L
RT: 11.67 min Scan# 1167
Delta R.T. -0.03 min
Lab File: A08302.D
Acq: 30 Nov 2004 19:26

Tgt Ion:149 Resp: 18722

Ion	Ratio	Lower	Upper
149	100		
150	6.1	0.0	47.9



Quantitation Report (QT Reviewed)

Data File : W:\113004\A08309.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 14:41:10 2004 Quant Results File: SV5-111604.RES

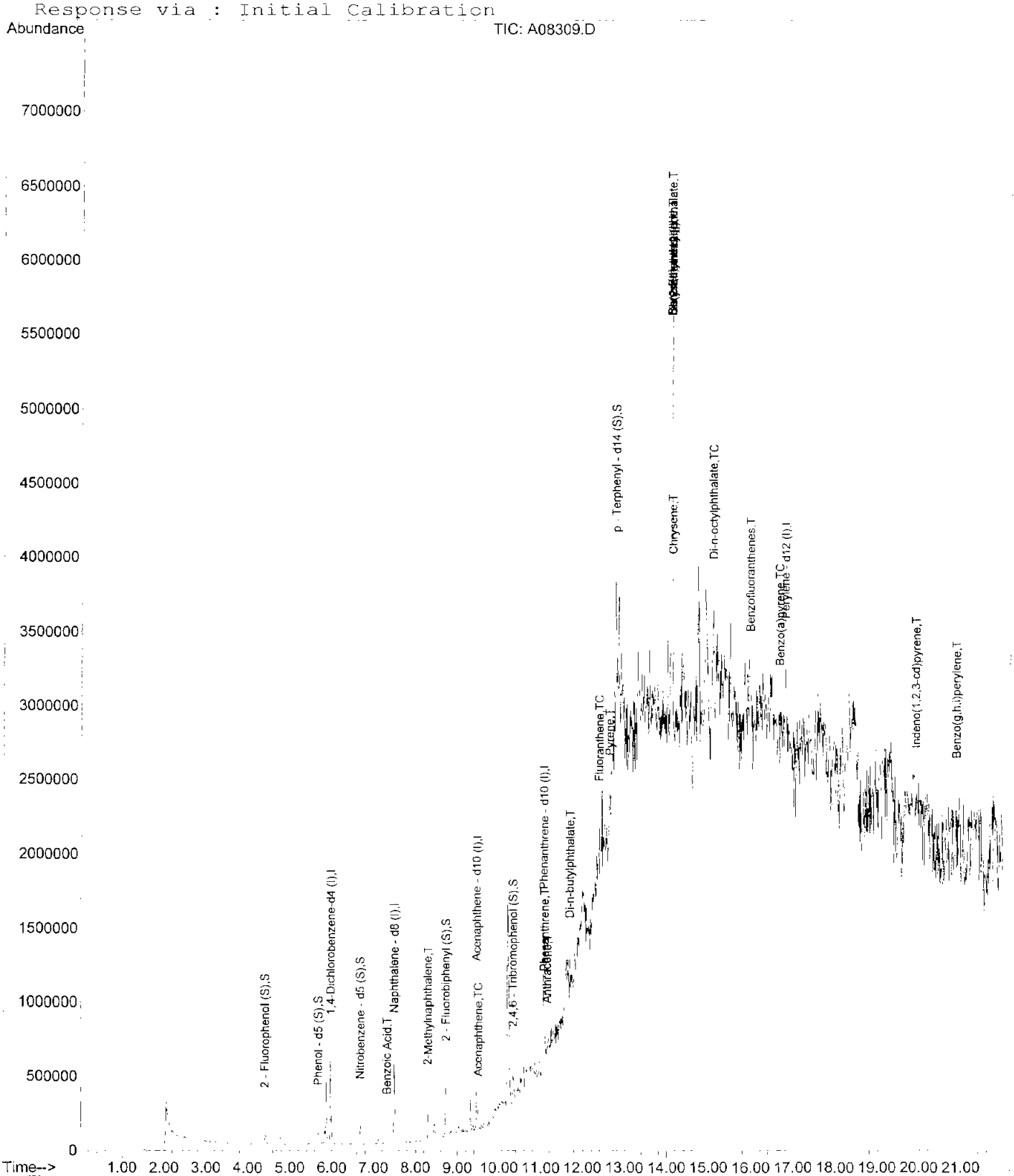
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration
DataAcq Meth :

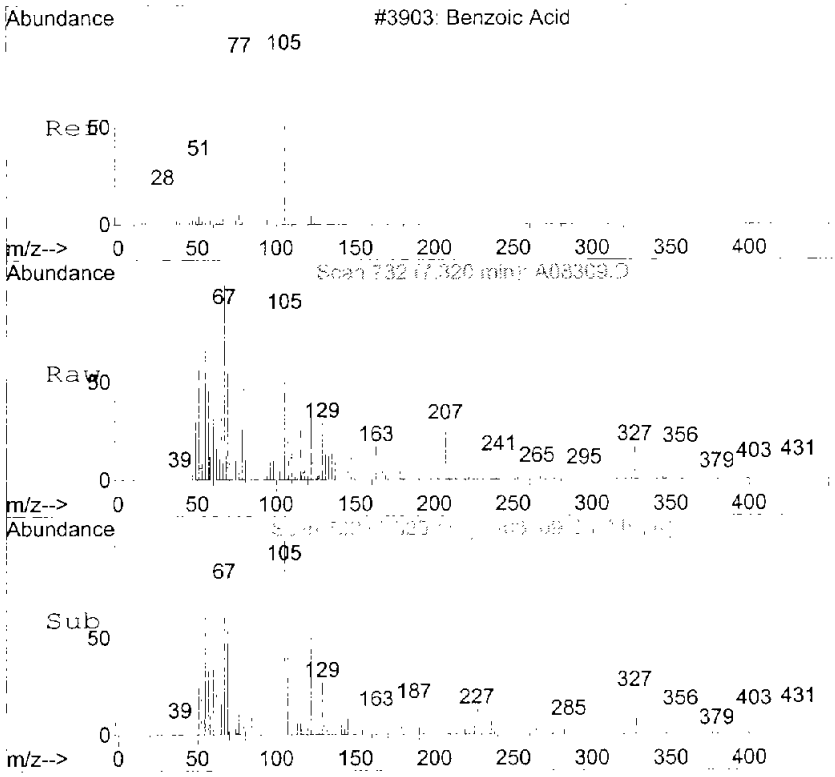
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.96	152	65935	1000.00 ug/L	0.01
22) Naphthalene - d8 (I)	7.49	136	413951	1000.00 ug/L	0.02
38) Acenaphthene - d10 (I)	9.46	162	411778	1000.00 ug/L	0.02
62) Phenanthrene - d10 (I)	11.06	188	656852	1000.00 ug/L	0.02
79) Chrysene - d12 (I)	14.10	240	842644	1000.00 ul/l	0.05
85) Perylene - d12 (I)	16.79	264	813679	1000.00 ug/L	0.10
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.40	112	31417	597.08 ug/L	0.00
7) Phenol - d5 (S)	5.67	99	47927	838.13 ug/L	-0.01
23) Nitrobenzene - d5 (S)	6.68	82	49881	475.66 ug/L	0.04
43) 2 - Fluorobiphenyl (S)	8.72	172	156127	498.63 ug/L	0.04
65) 2,4,6 - Tribromophenol (S)	10.33	330	46090	594.08 ug/L	0.00
78) p - Terphenyl - d14 (S)	12.77	244	322607	688.93 ug/L	0.03
Target Compounds					Qvalue
29) Benzoic Acid	7.32	105	10386	143.11 ug/L	100
36) 2-Methylnaphthalene	8.29	141	4318	22.22 ug/L	100
51) Acenaphthene	9.50	153	22735	68.00 ug/L	100
70) Phenanthrene	11.09	178	77009	153.51 ug/L	81
71) Anthracene	11.14	178	25044	53.92 ug/L	100
74) Di-n-butylphthalate	11.69	149	136213	159.73 ug/L	71
75) Fluoranthene	12.38	202	189874	350.00 ug/L	100
76) Pyrene	12.62	202	206354	376.52 ug/L	74
81) Benzo(a)anthracene	14.07	228	137233m	222.70 ug/L	
83) Chrysene	14.13	228	147051m	274.80 ug/L	
84) bis(2-Ethylhexyl)phthalate	14.09	149	2465227m	3206.33 ug/L	
86) Di-n-octylphthalate	15.07	149	799177	740.35 ug/L	57
87) Benzofluoranthenes	15.96	252	200833	327.93 ug/L	72
88) Benzo(a)pyrene	16.67	252	138079	243.30 ug/L	100
89) Indeno(1,2,3-cd)pyrene	19.90	276	101414	128.41 ug/L	100
91) Benzo(g,h,i)perylene	20.88	276	101815m	158.85 ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\113004\A08309.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:44 2004 Quant Results File: SV5-111604.RES

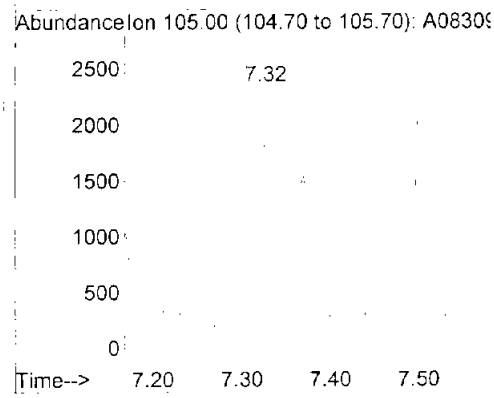
Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration

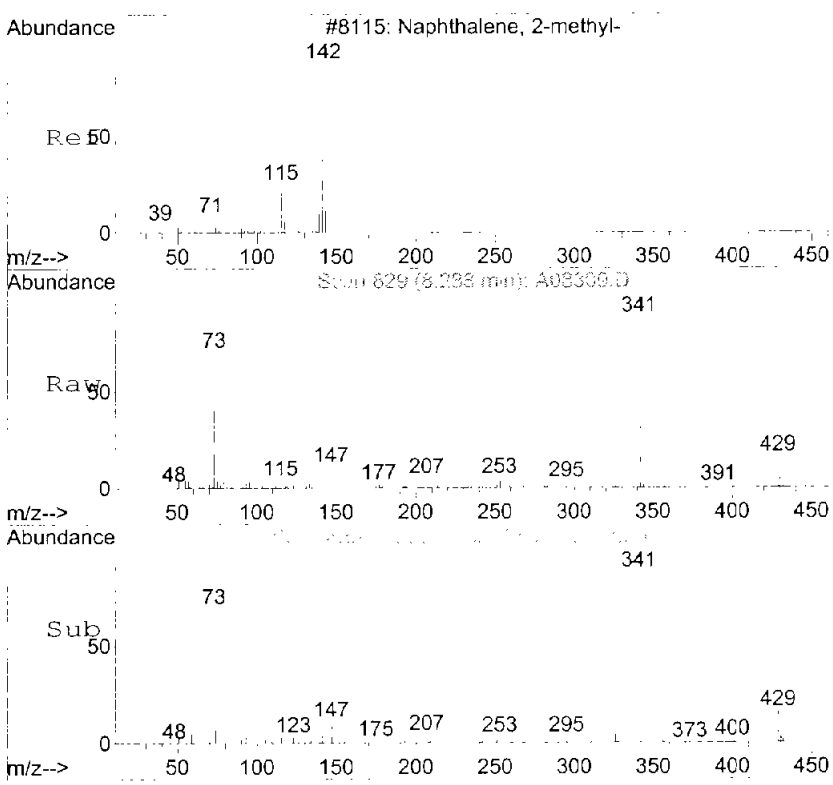




#29
Benzoic Acid
Concen: 143.11 ug/L
RT: 7.32 min Scan# 732
Delta R.T. 0.03 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

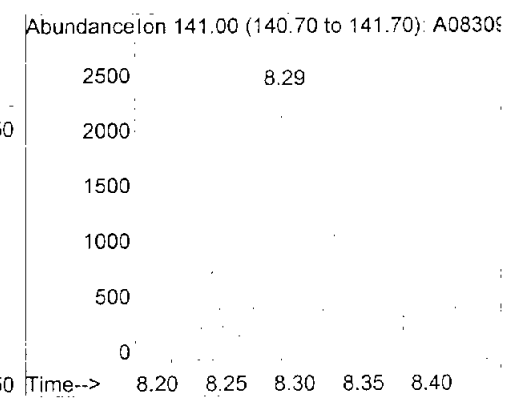
Tgt Ion:105 Resp: 10386

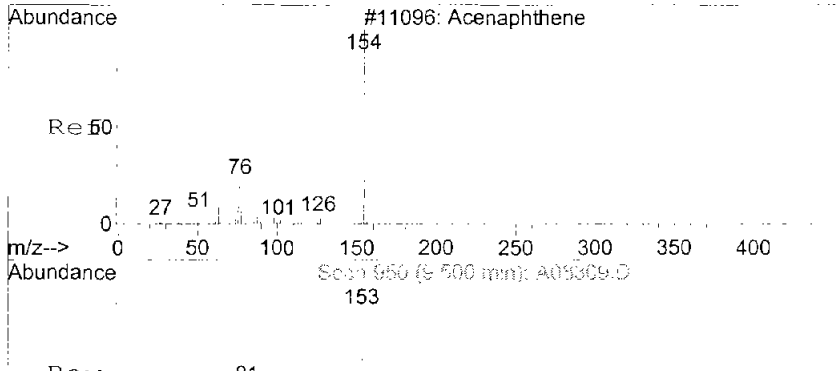




#36
2-Methylnaphthalene
Concen: 22.22 ug/L
RT: 8.29 min Scan# 829
Delta R.T. -0.01 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

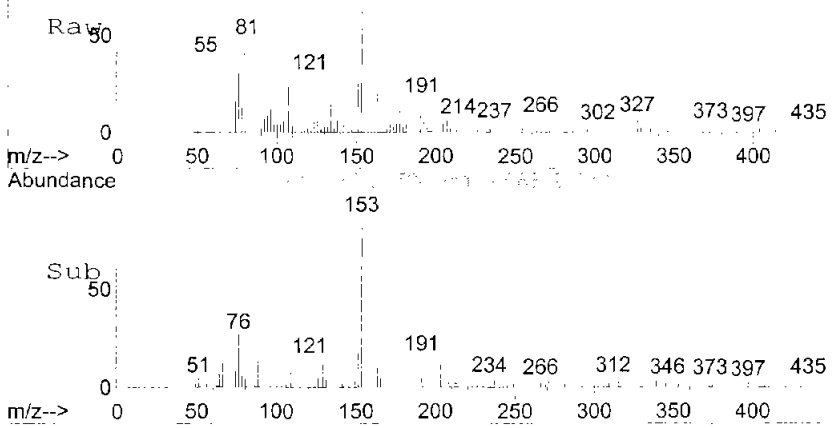
Tgt Ion:141 Resp: 4318

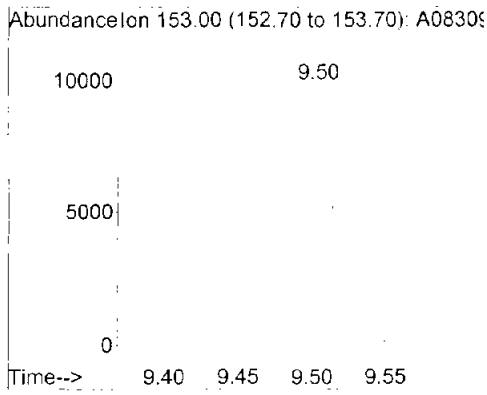


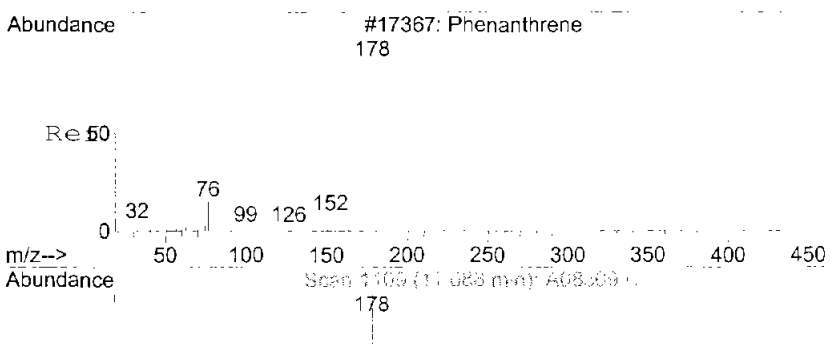


#51
Acenaphthene
Concen: 68.00 ug/L
RT: 9.50 min Scan# 950
Delta R.T. 0.03 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

Tgt Ion:153 Resp: 22735



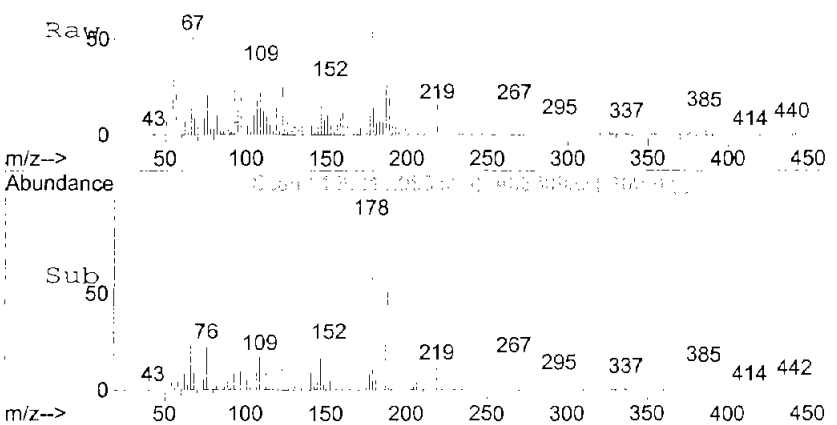


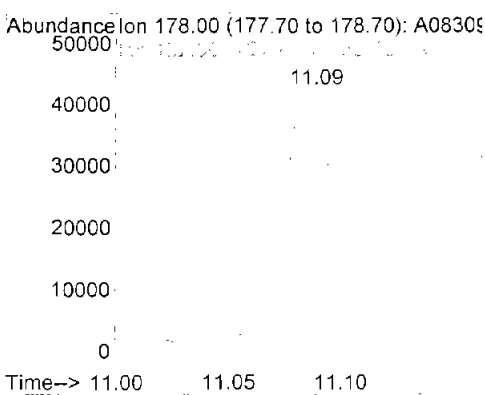


#70
Phenanthrene
Concen: 153.51 ug/L
RT: 11.09 min Scan# 1109
Delta R.T. 0.04 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

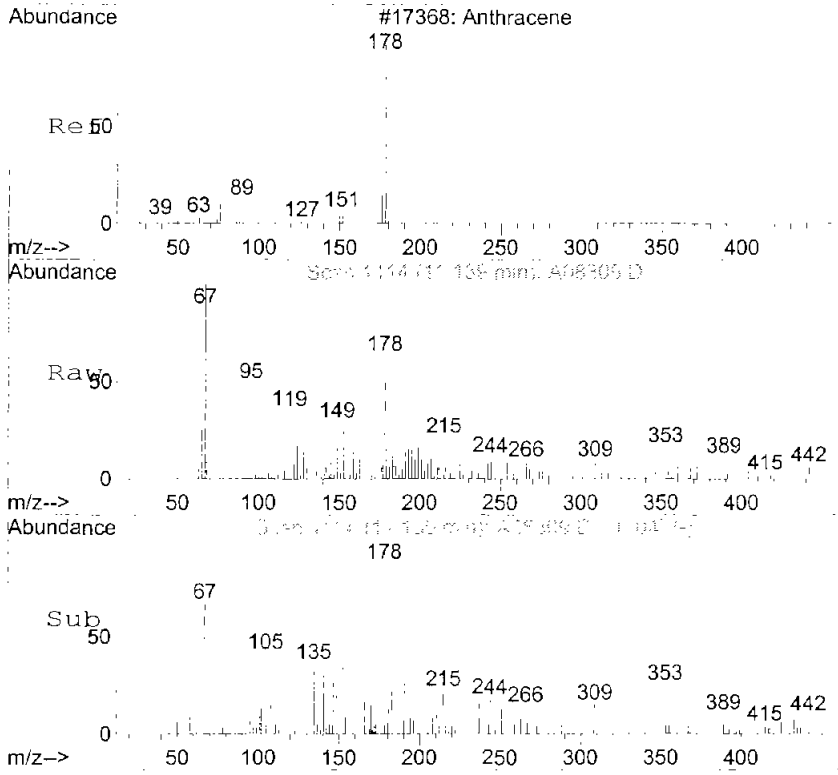
Tgt Ion:178 Resp: 77009

Ion	Ratio	Lower	Upper
178	100		
152	26.2	0.0	58.0



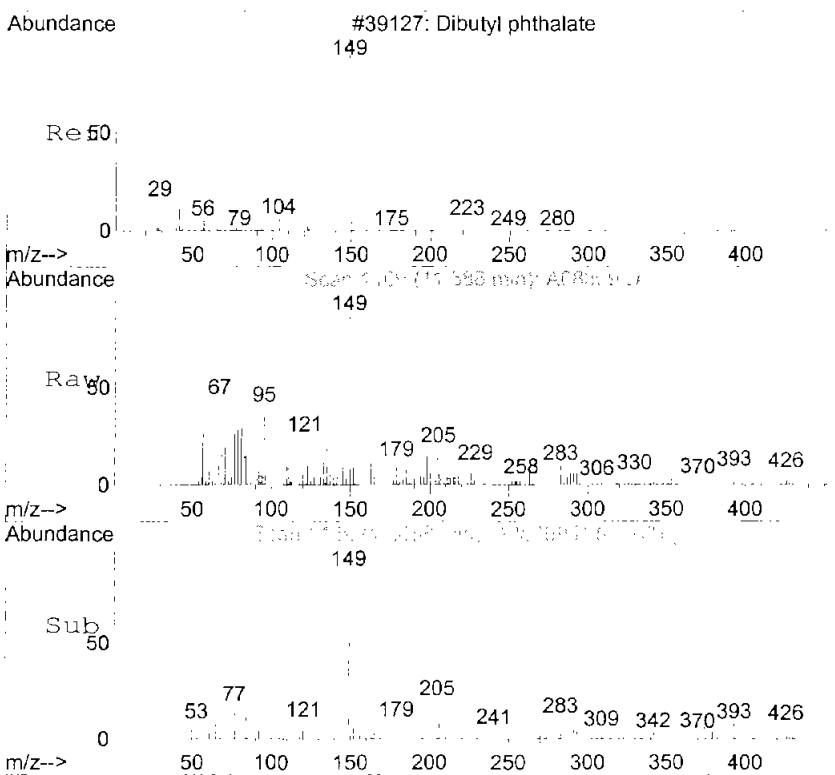


00588



#71
Anthracene
Concen: 53.92 ug/L
RT: 11.14 min Scan# 1114
Delta R.T. 0.03 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

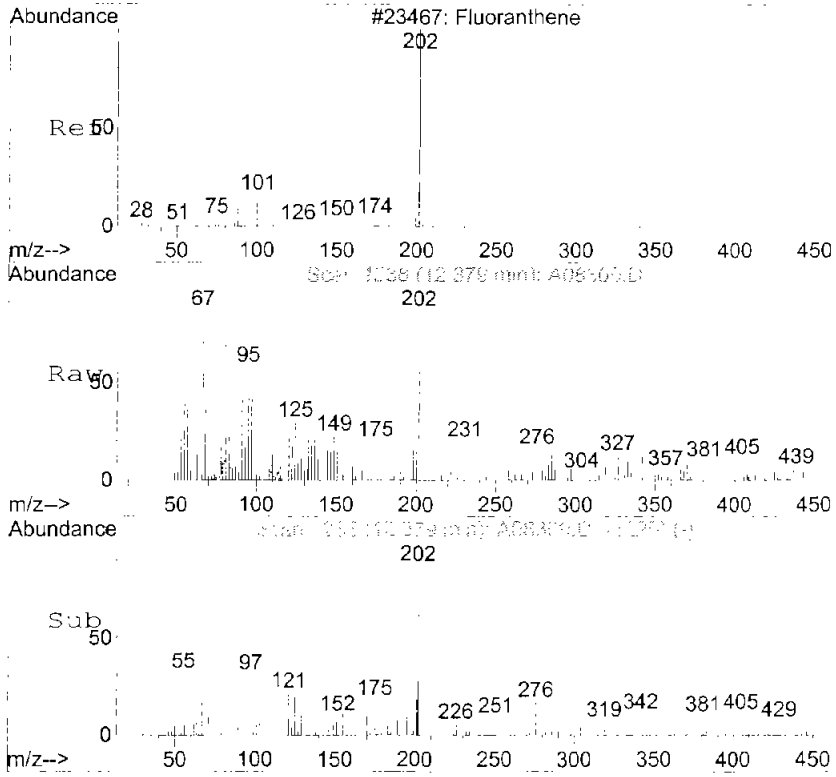
Tgt Ion:178 Resp: 25044



#74
Di-n-butylphthalate
Concen: 159.73 ug/L
RT: 11.69 min Scan# 1169
Delta R.T. -0.01 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

Tgt Ion:149 Resp: 136213

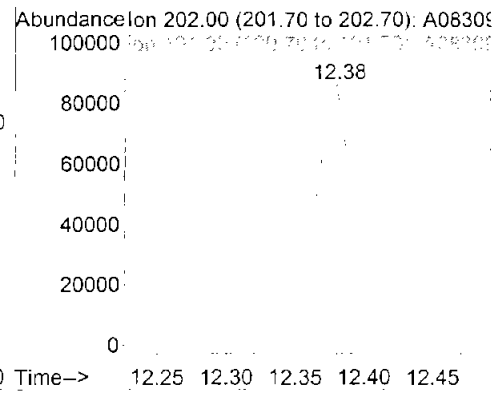
Ion	Ratio	Lower	Upper
149	100		
150	18.0	0.0	47.9

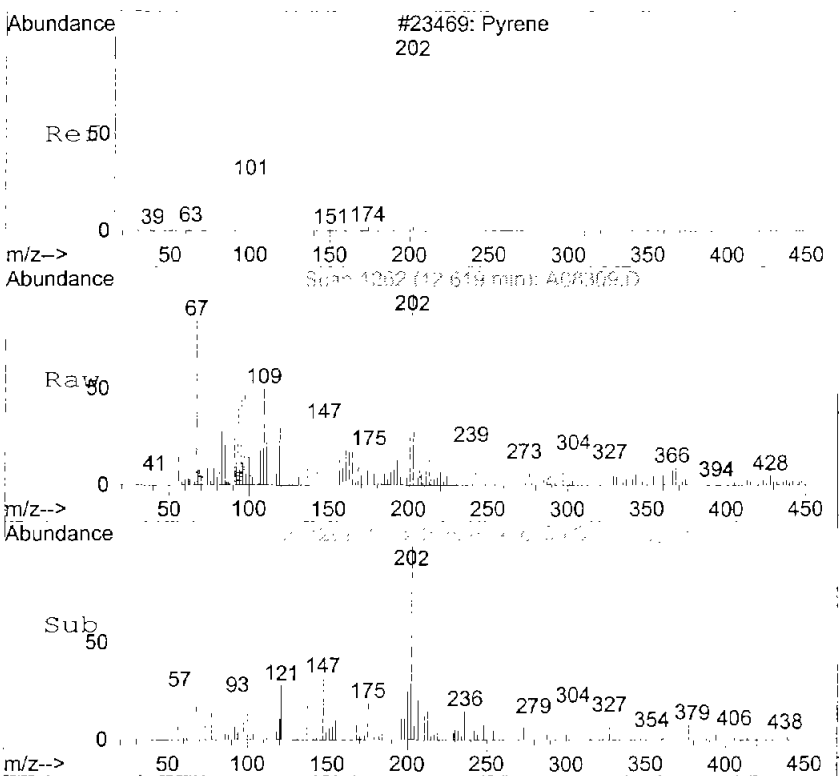


#75
Fluoranthene
Concen: 350.00 ug/L
RT: 12.38 min Scan# 1238
Delta R.T. 0.03 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

Tgt Ion:202 Resp: 189874

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	70.3

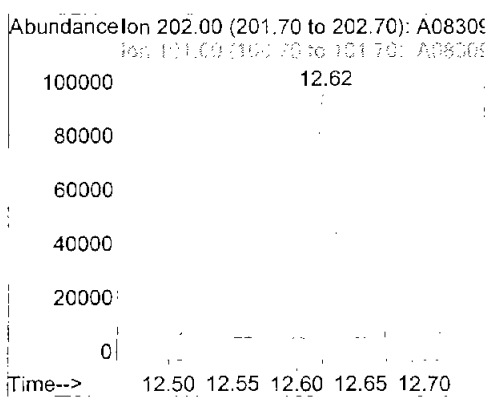


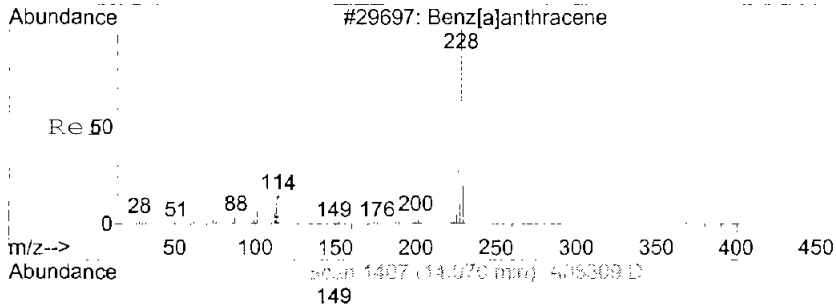


#76
Pyrene
Concen: 376.52 ug/L
RT: 12.62 min Scan# 1262
Delta R.T. 0.03 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

Tgt Ion:202 Resp: 206354

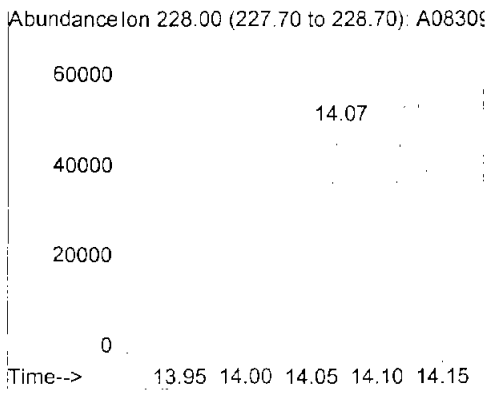
Ion	Ratio	Lower	Upper
202	100		
101	18.8	0.0	49.2

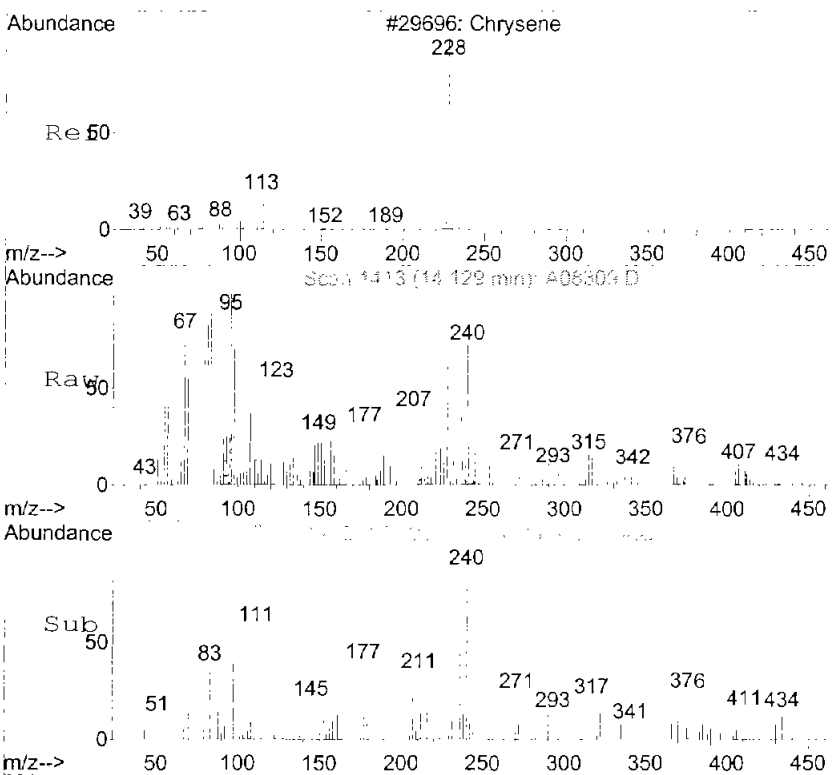




#81
Benzo(a)anthracene
Concen: 222.70 ug/L m
RT: 14.07 min Scan# 1407
Delta R.T. 0.05 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

Tgt Ion:228 Resp: 137233

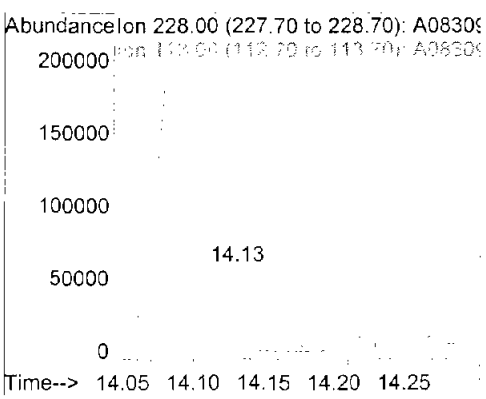


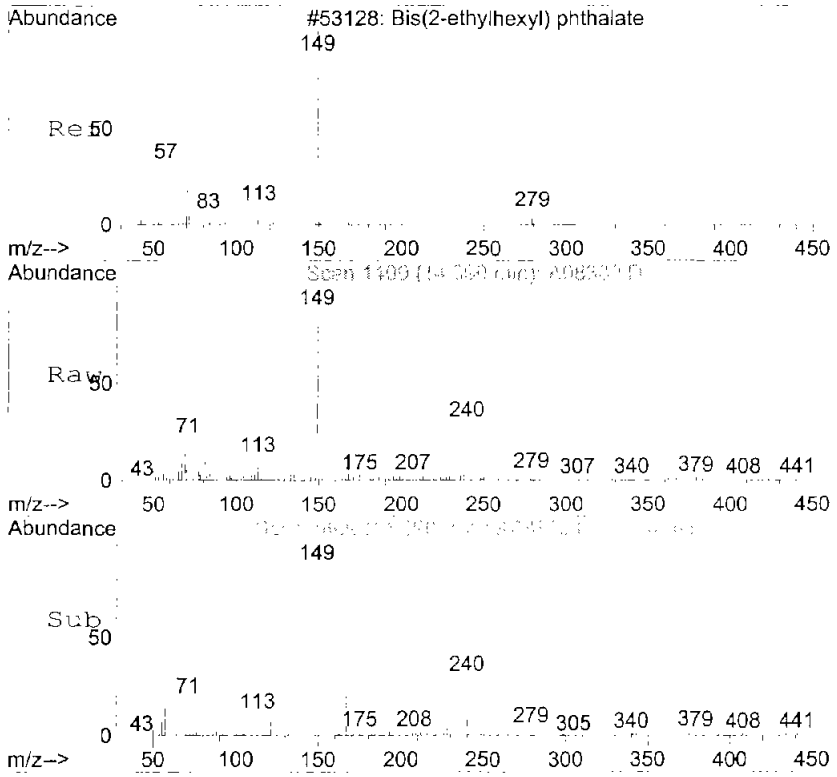


#83
Chrysene
Concen: 274.80 ug/L m
RT: 14.13 min Scan# 1413
Delta R.T. 0.04 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

Tgt Ion:228 Resp: 147051

Ion	Ratio	Lower	Upper
228	100		
113	192.6	0.0	55.2#

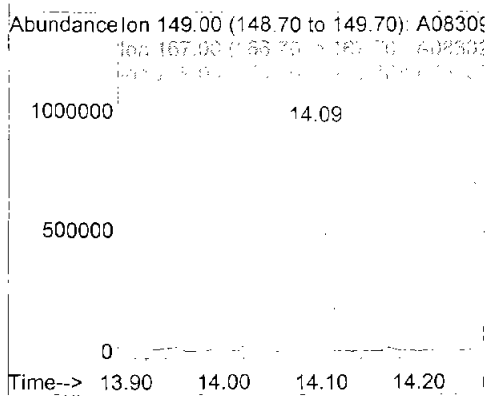


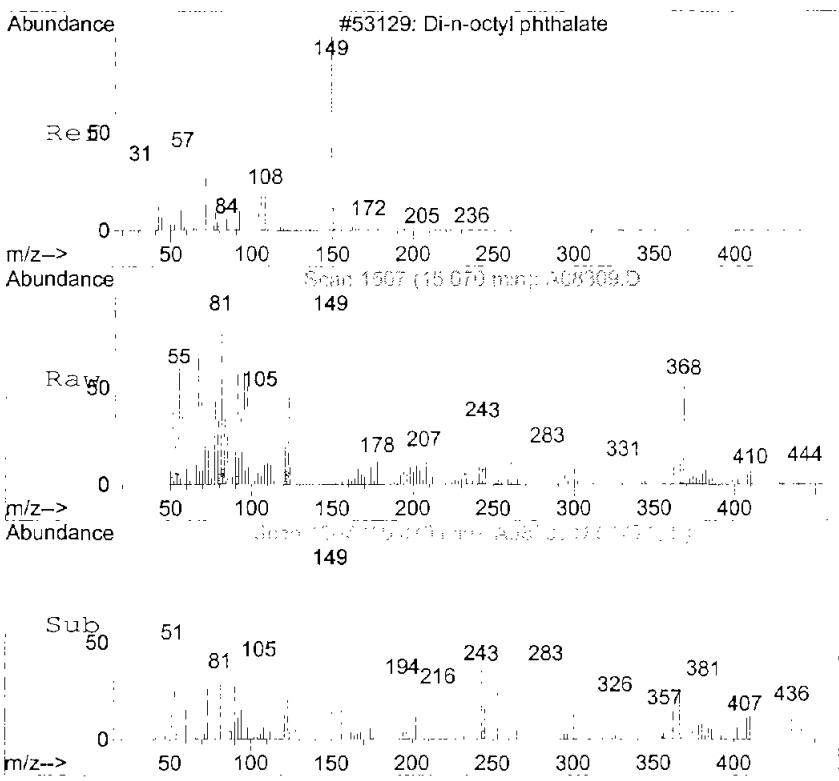


#84
bis(2-Ethylhexyl)phthalate
Concen: 3206.33 ug/L m
RT: 14.09 min Scan# 1409
Delta R.T. 0.05 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

Tgt Ion:149 Resp: 2465227

Ion	Ratio	Lower	Upper
149	100		
167	23.2	0.0	78.1
279	2.5	0.0	42.4

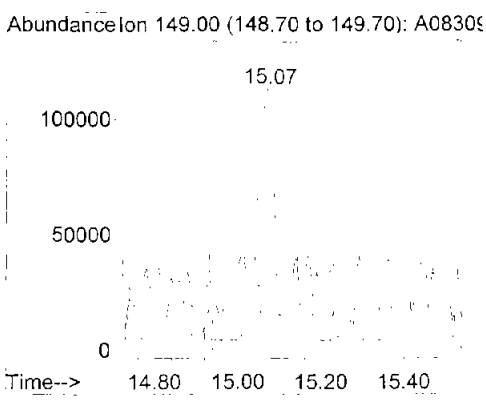


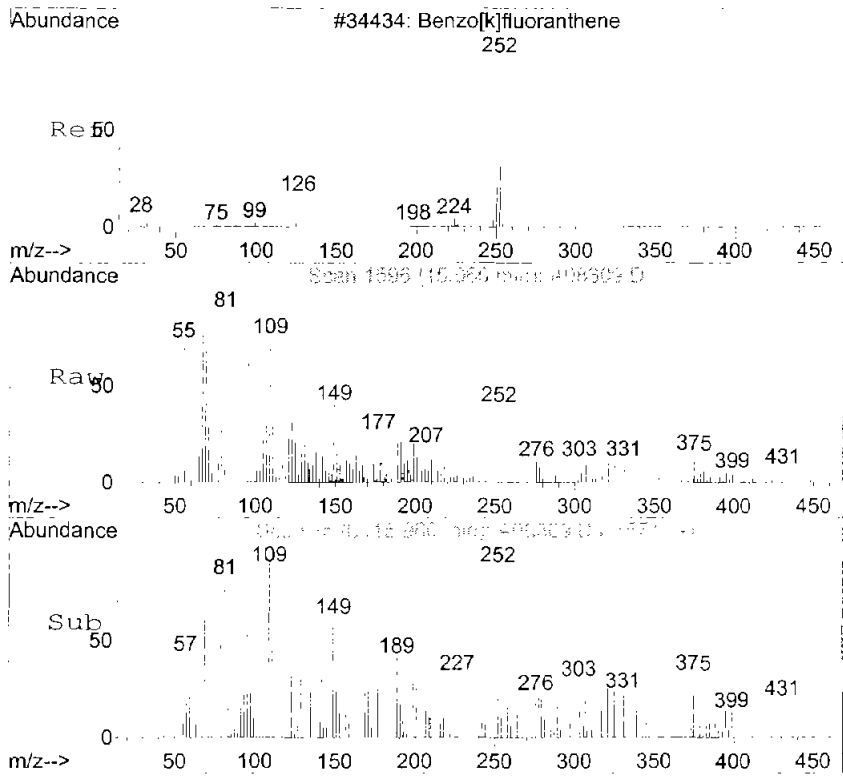


#86
Di-n-octylphthalate
Concen: 740.35 ug/L
RT: 15.07 min Scan# 1507
Delta R.T. 0.06 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

Tgt Ion:149 Resp: 799177

Ion	Ratio	Lower	Upper
149	100		
150	25.2	0.0	49.6

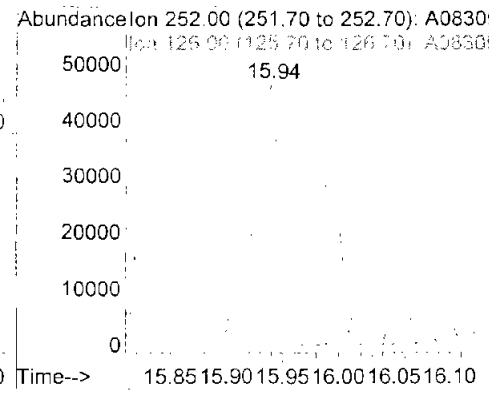


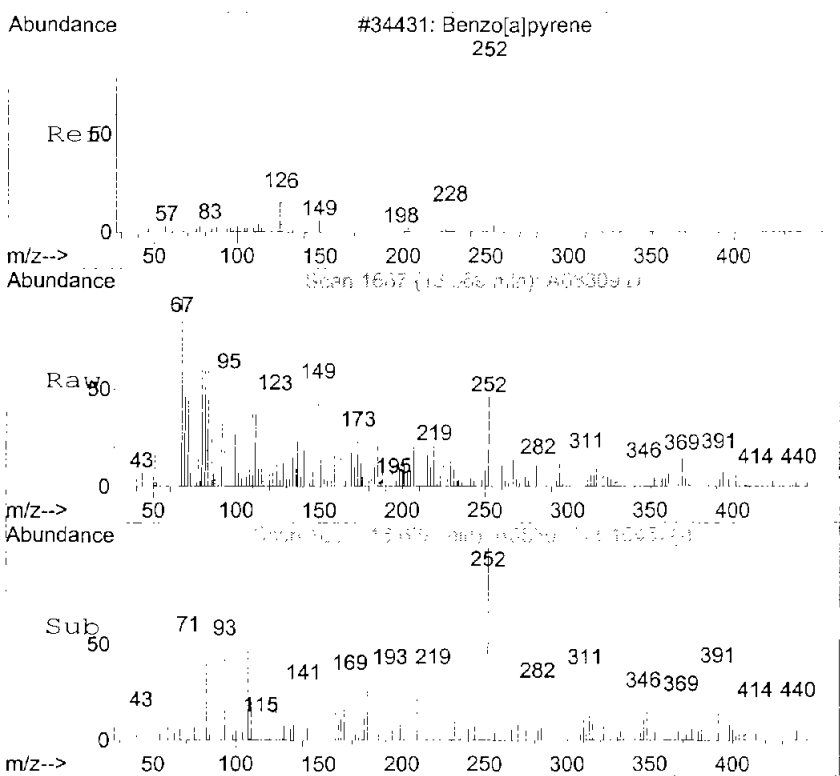


#87
Benzofluoranthenes
Concen: 327.93 ug/L
RT: 15.96 min Scan# 1596
Delta R.T. 0.08 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

Tgt Ion:252 Resp: 200833

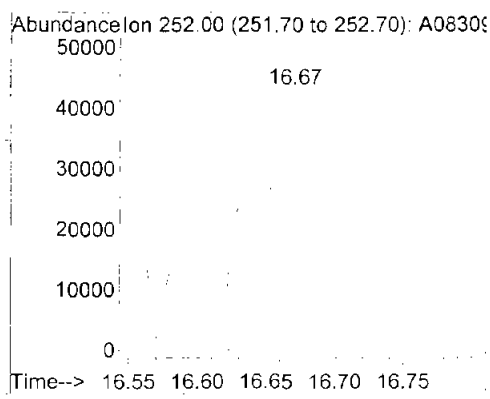
Ion	Ratio	Lower	Upper
252	100		
126	20.5	0.0	50.0

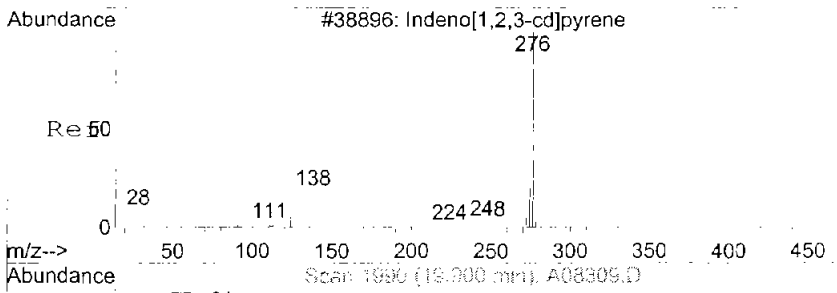




#88
Benzo(a)pyrene
Concen: 243.30 ug/L
RT: 16.67 min Scan# 1667
Delta R.T. 0.11 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

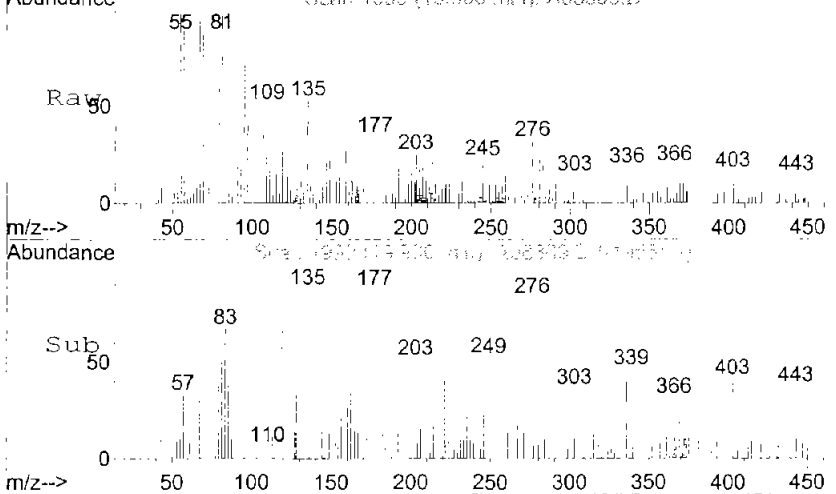
Tgt Ion:252 Resp: 138079

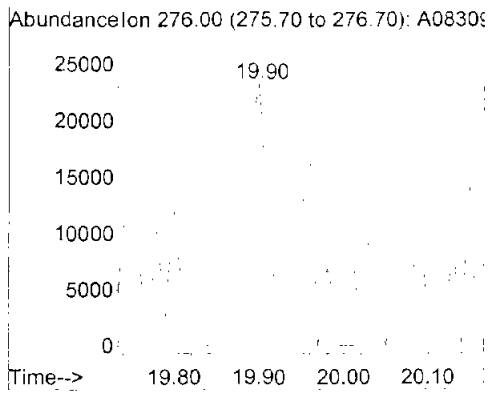


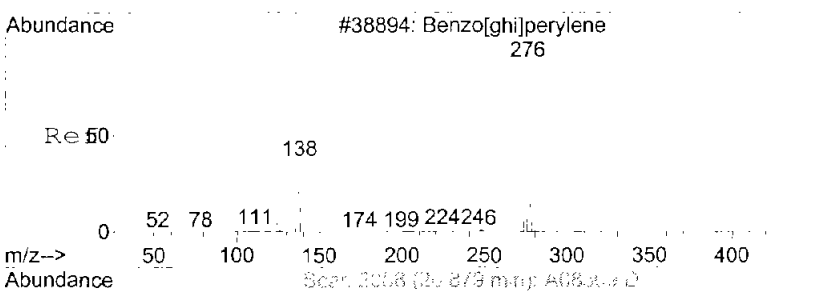


#89
Indeno(1,2,3-cd)pyrene
Concen: 128.41 ug/L
RT: 19.90 min Scan# 1990
Delta R.T. 0.15 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

Tgt Ion:276 Resp: 101414

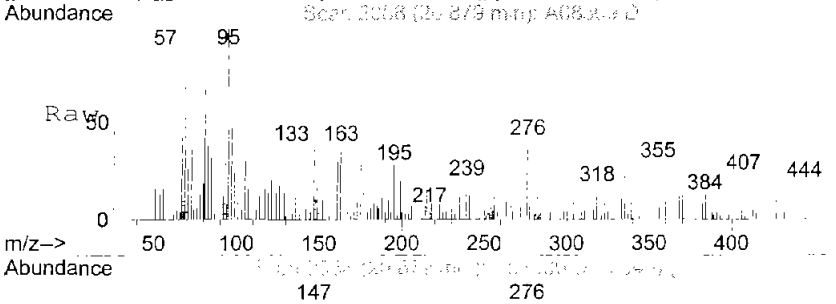


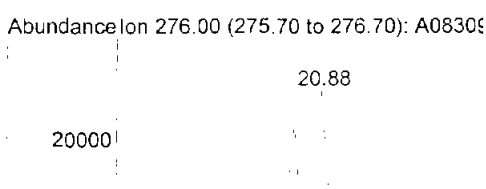




#91
Benzo(g,h,i)perylene
Concen: 158.85 ug/L m
RT: 20.88 min Scan# 2088
Delta R.T. 0.23 min
Lab File: A08309.D
Acq: 30 Nov 2004 22:33

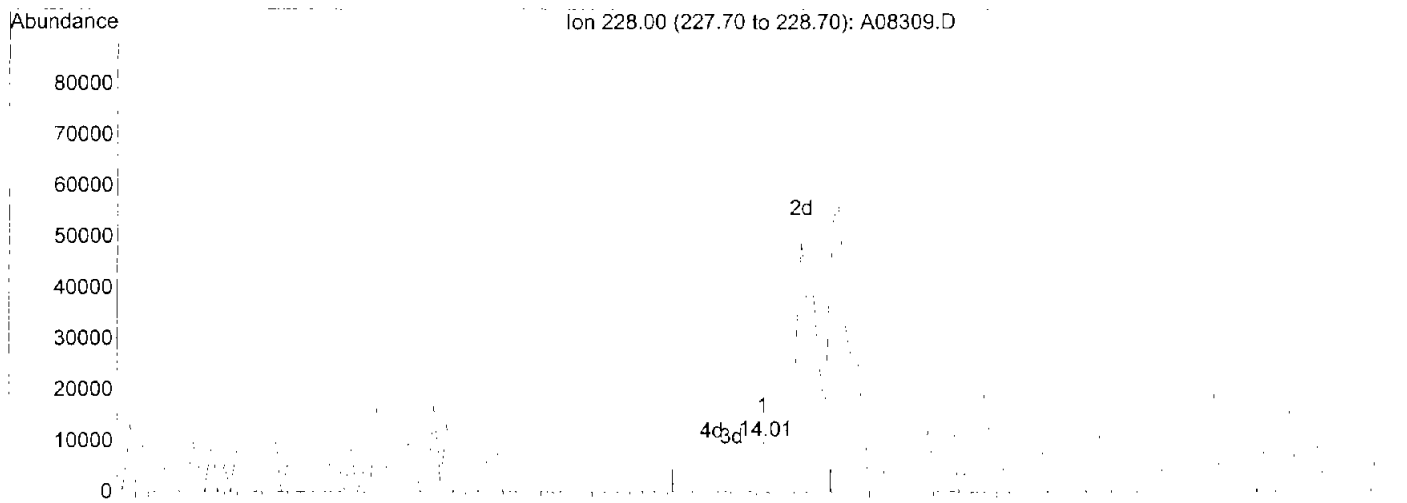
Tgt Ion:276 Resp: 101815

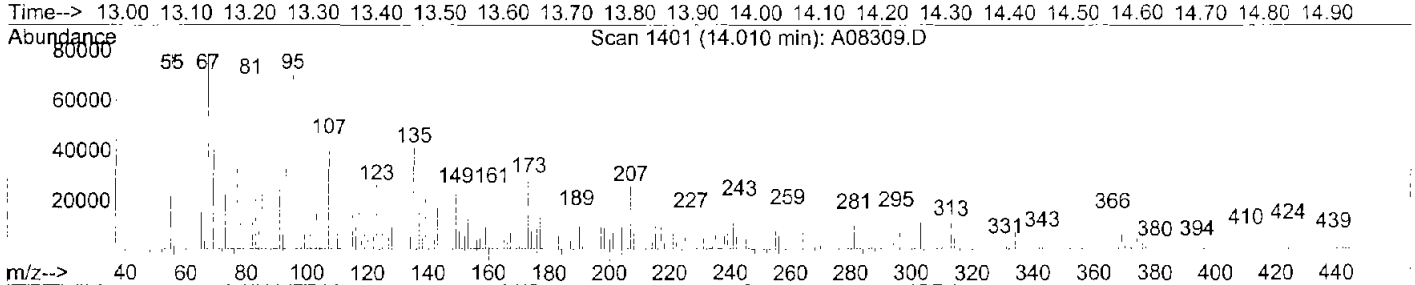


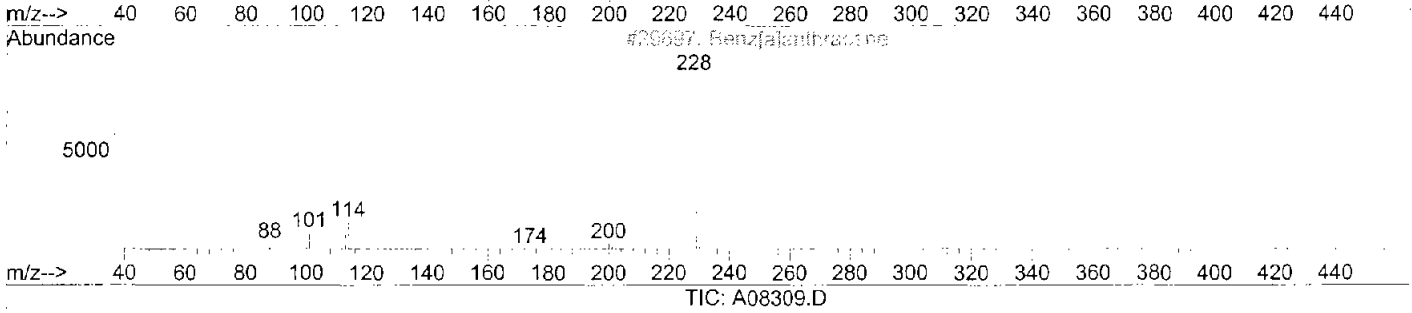


Data File : W:\113004\A08309.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:43 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration







TIC: A08309.D

(81) Benzo(a)anthracene (T)

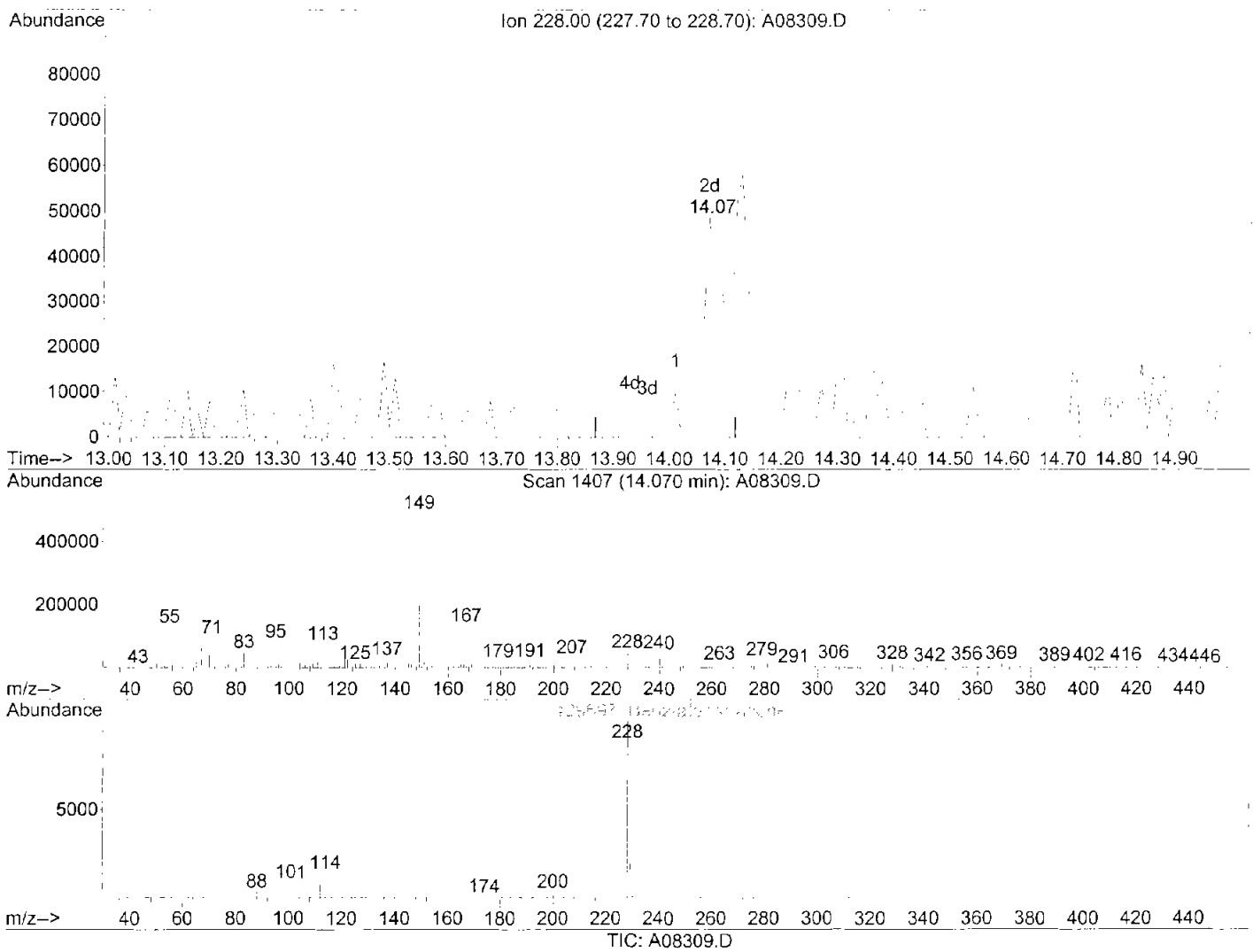
14.01min 13.17ug/L

response 8113

Ion	Exp%	Act%
228.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : W:\113004\A08309.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:43 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration



(81) Benzo(a)anthracene (T)

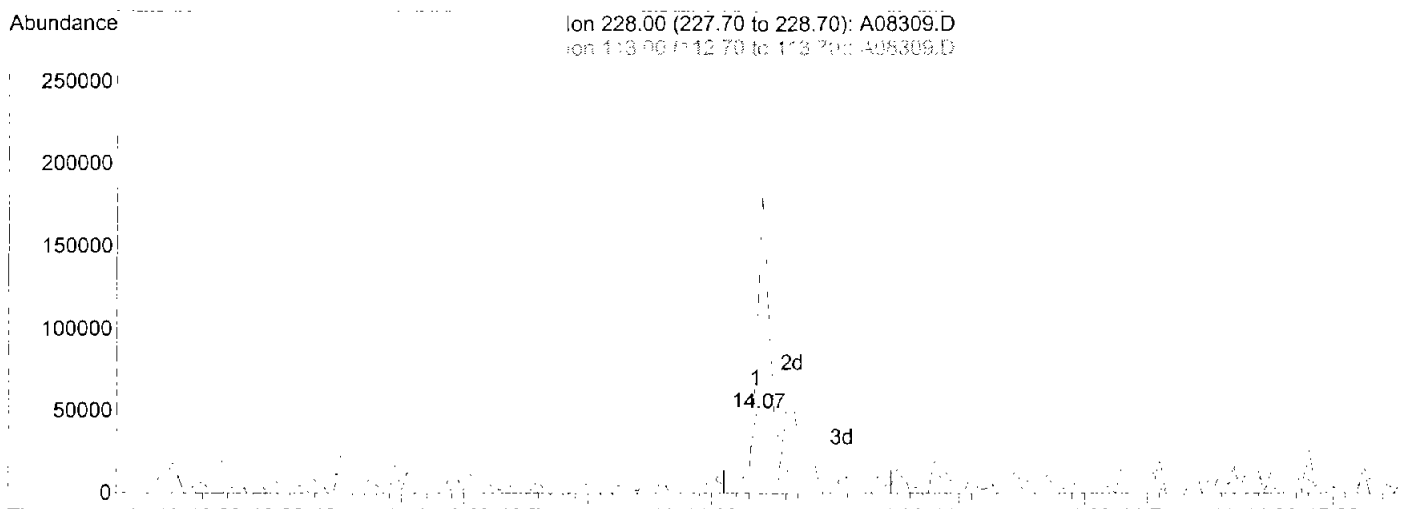
14.07min 222.70ug/L m

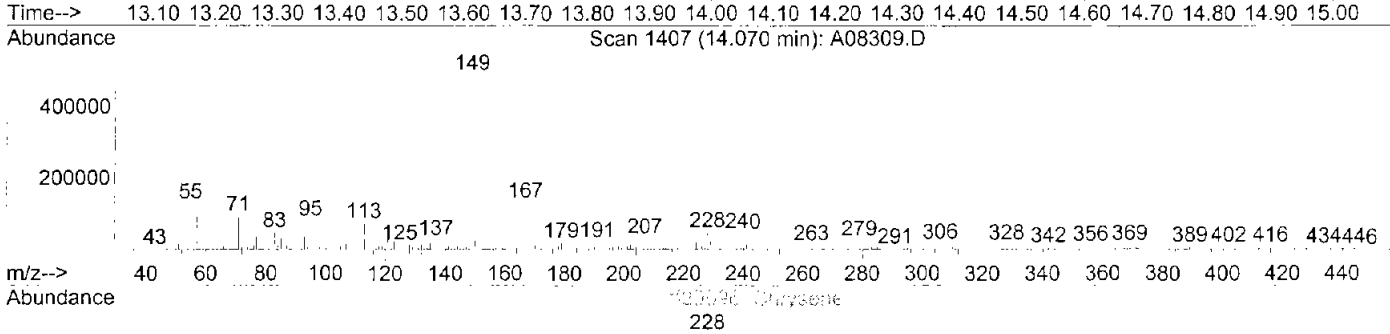
response 137233

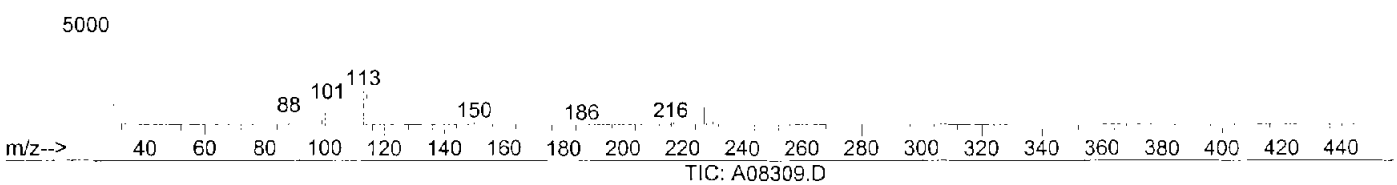
Ion	Exp%	Act%
228.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : W:\113004\A08309.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:43 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration







(83) Chrysene (T)

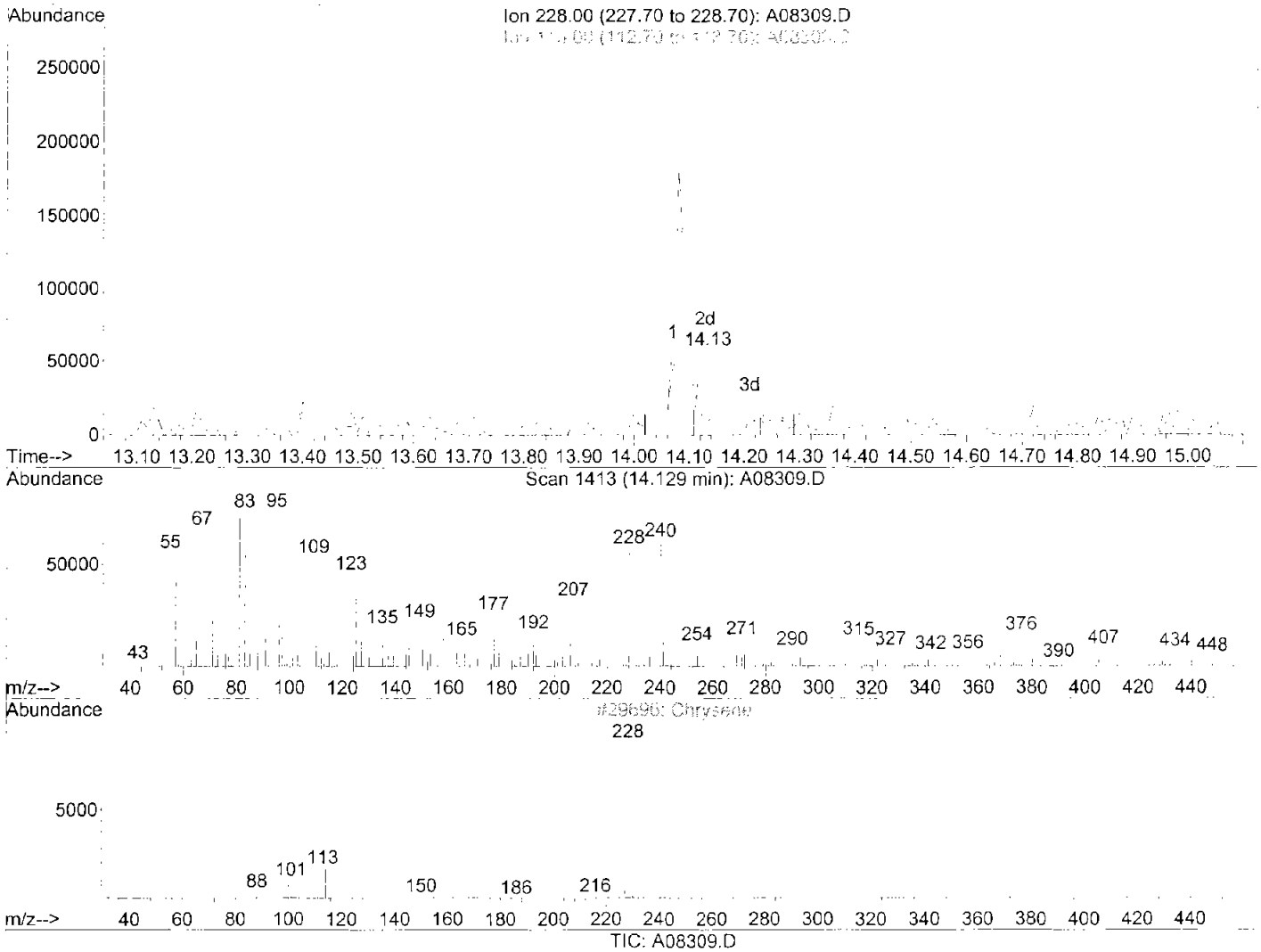
14.07min 155.14ug/L

response 83018

Ion	Exp%	Act%
228.00	100	100
113.00	15.20	341.09#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : W:\113004\A08309.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:43 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration



(83) Chrysene (T)

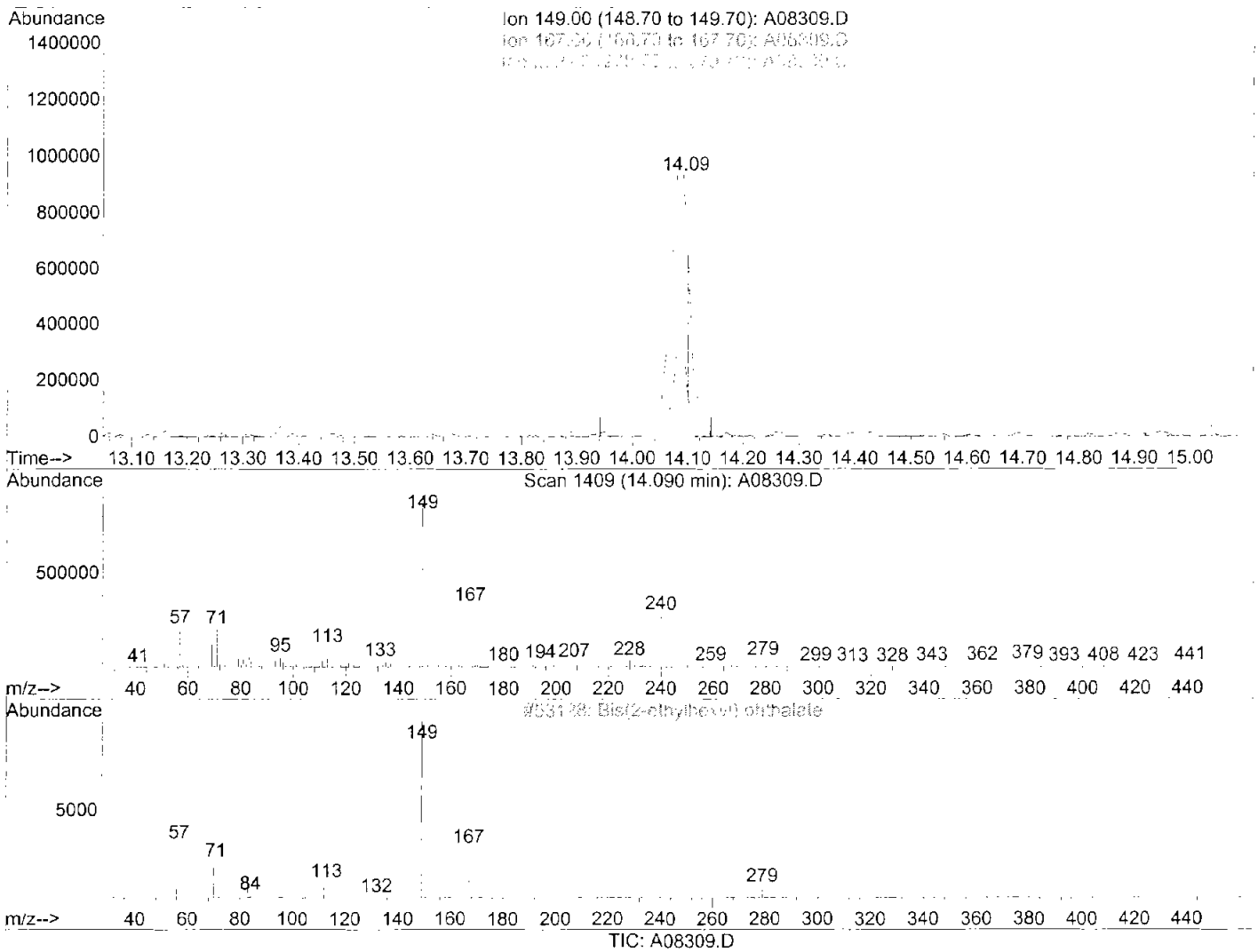
14.13min 274.80ug/L m

response 147051

Ion	Exp%	Act%
228.00	100	100
113.00	15.20	192.57#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : W:\113004\A08309.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:43 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration



(84) bis(2-Ethylhexyl)phthalate (T)

14.09min 2206.80ug/L

response 1696723

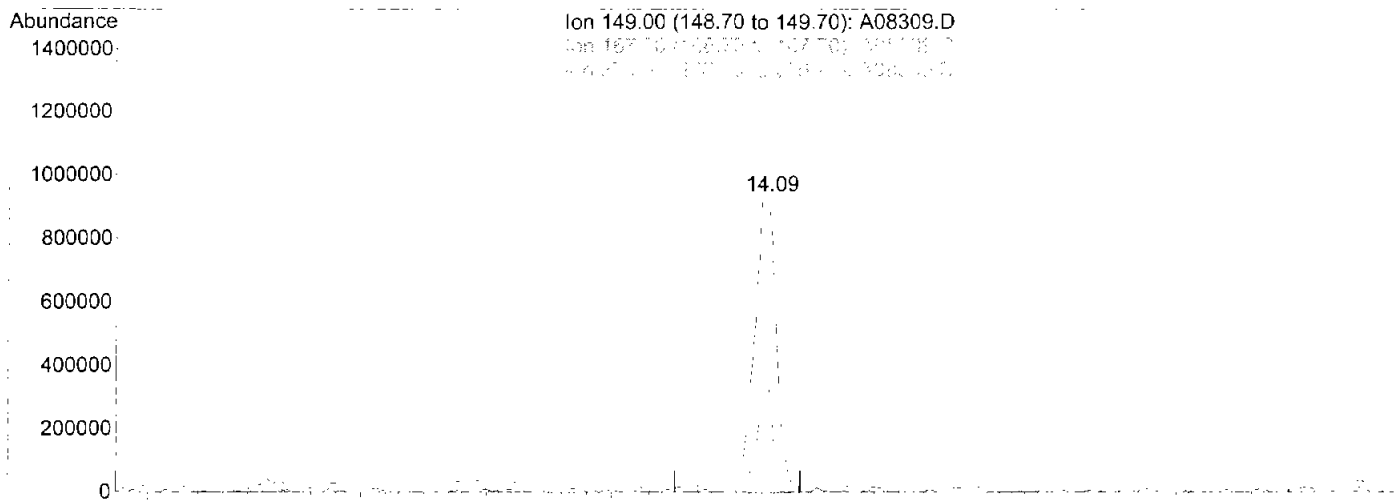
Ion	Exp%	Act%
149.00	100	100
167.00	38.10	33.67
279.00	2.40	3.60
0.00	0.00	0.00

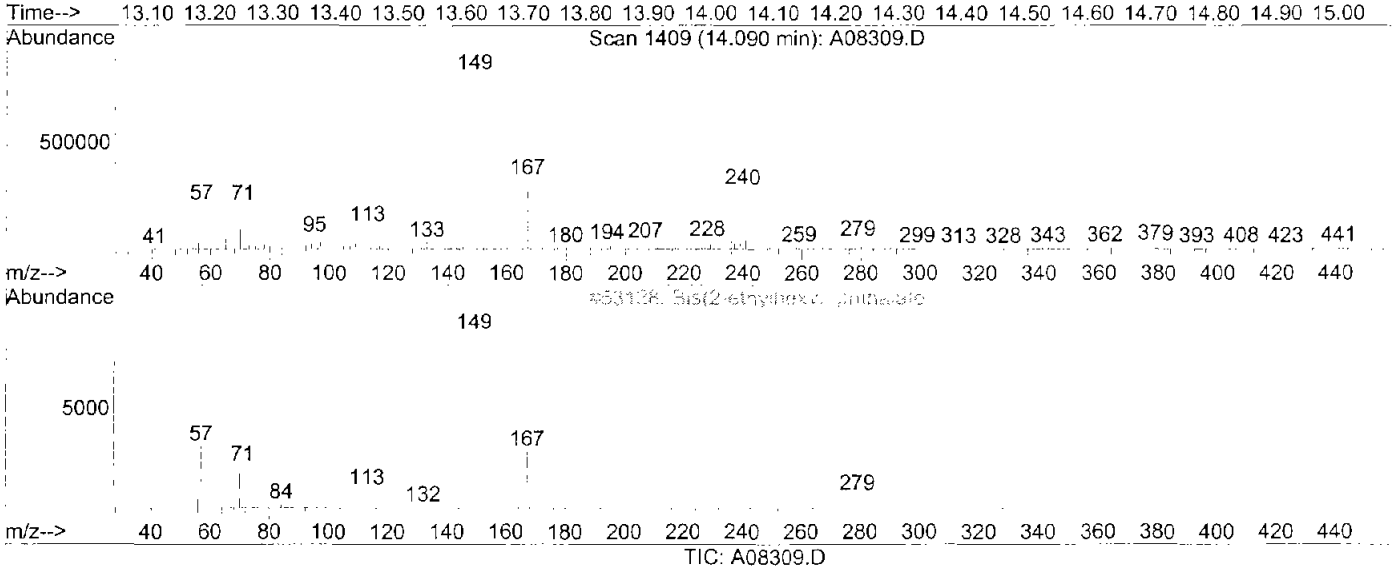
A08309.D SV5-111604.M Wed Dec 01 14:43:48 2004

00599

Data File : W:\113004\A08309.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:43 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration





(84) bis(2-Ethylhexyl)phthalate (T)

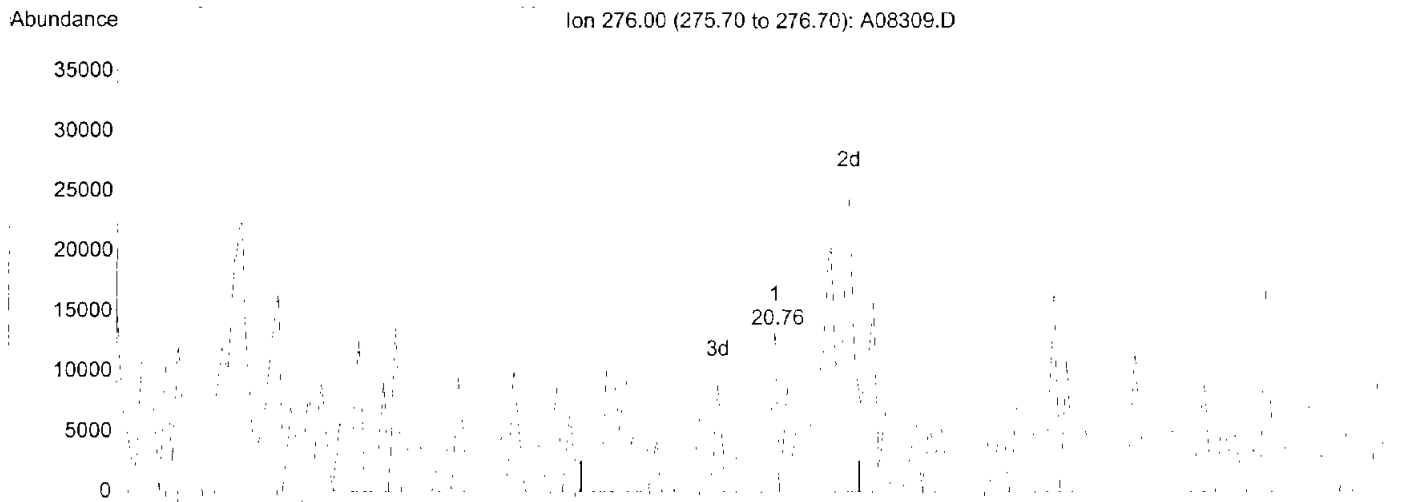
14.09min 3206.33ug/L m

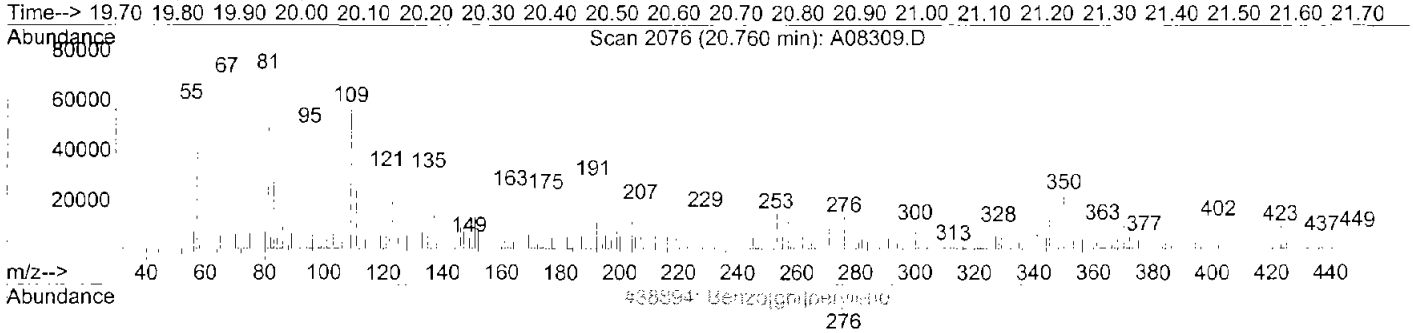
response 2465227

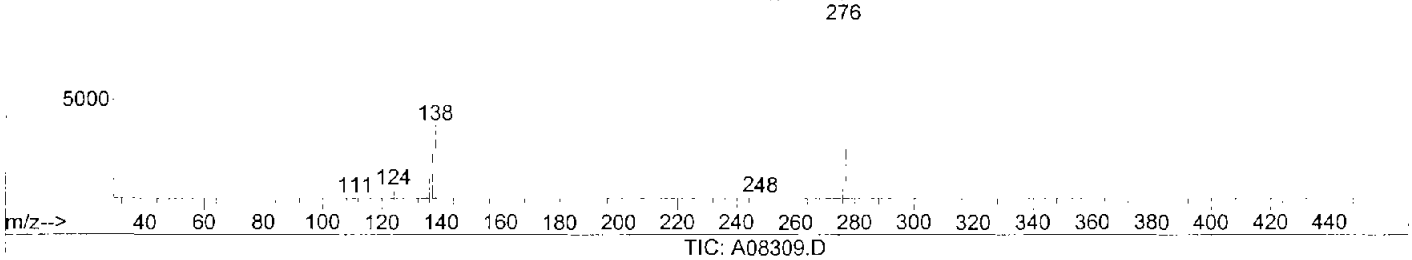
Ion	Exp%	Act%
149.00	100	100
167.00	38.10	23.17
279.00	2.40	2.48
0.00	0.00	0.00

Data File : W:\113004\A08309.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:44 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration







(91) Benzo(g,h,i)perylene (T)

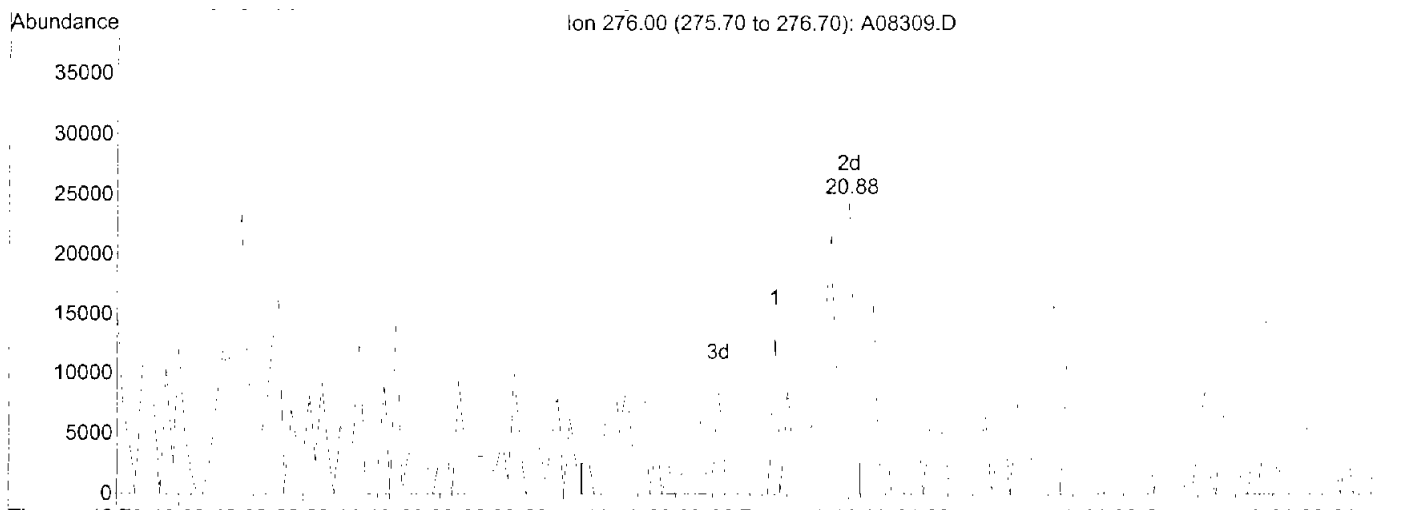
20.76min 12.30ug/L

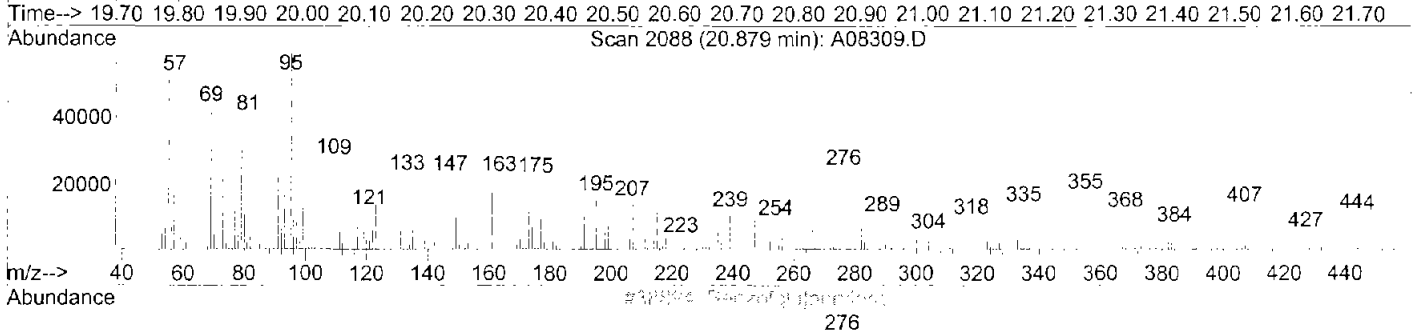
response 7881

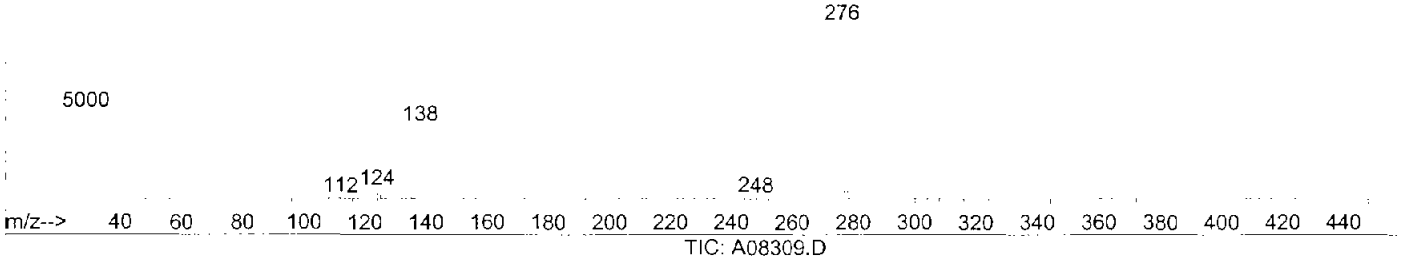
Ion	Exp%	Act%
276.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : W:\113004\A08309.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 14:44 2004 Quant Results File: temp.res

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Multiple Level Calibration







(91) Benzo(g,h,i)perylene (T)

20.88min 158.85ug/L m

response 101815

Ion	Exp%	Act%
276.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : W:\113004\A08303.D Vial: 0
Acq On : 30 Nov 2004 19:53 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL 1:10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:10:32 2004 Quant Results File: SV5-111604.RES

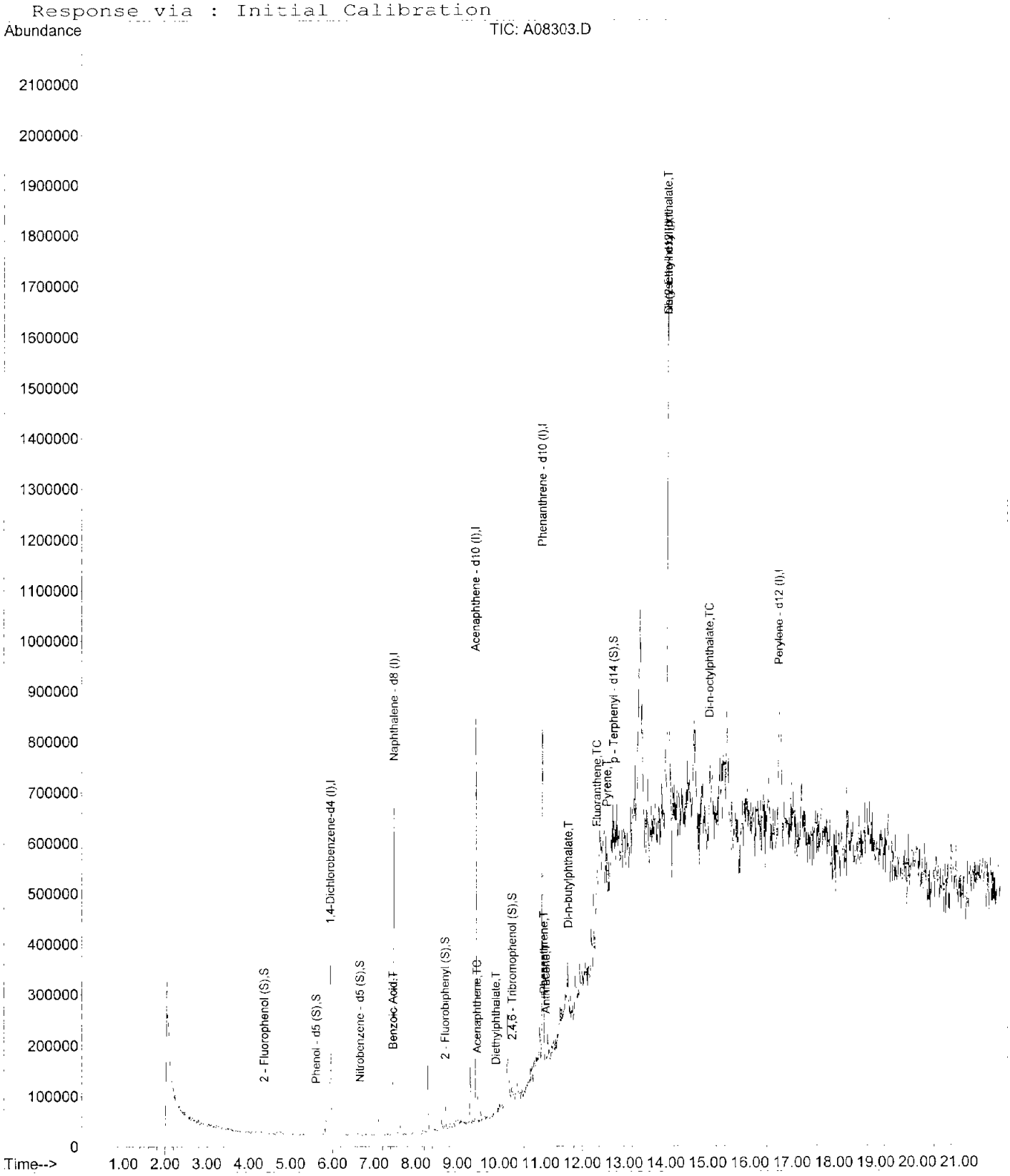
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration
DataAcq Meth :

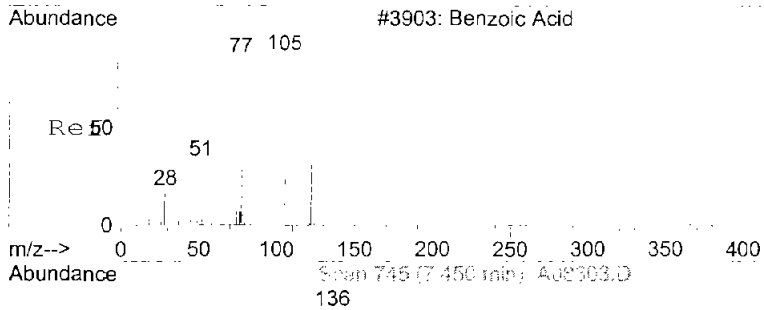
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.96	152	84699	1000.00 ug/L	0.01
22) Naphthalene - d8 (I)	7.48	136	402792	1000.00 ug/L	0.01
38) Acenaphthene - d10 (I)	9.45	162	394461	1000.00 ug/L	0.01
62) Phenanthrene - d10 (I)	11.05	188	653228	1000.00 ug/L	0.00
79) Chrysene - d12 (I)	14.06	240	727829	1000.00 ul/l	0.01
85) Perylene - d12 (I)	16.71	264	692852	1000.00 ug/L	0.02
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.38	112	4603	68.10 ug/L	-0.01
7) Phenol - d5 (S)	5.62	99	4481	61.00 ug/L	-0.06
23) Nitrobenzene - d5 (S)	6.66	82	6276	61.51 ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.71	172	17368	57.90 ug/L	0.03
65) 2,4,6 - Tribromophenol (S)	10.32	330	5309	68.81 ug/L	0.00
78) p - Terphenyl - d14 (S)	12.75	244	34674	74.46 ug/L	0.00
Target Compounds					Qvalue
29) Benzoic Acid	7.45	105	5405	76.54 ug/L	100
51) Acenaphthene	9.49	153	2809	8.77 ug/L	100
58) Diethylphthalate	9.94	149	3679	8.68 ug/L	46
70) Phenanthrene	11.08	178	14099	28.26 ug/L	85
71) Anthracene	11.13	178	1288	2.79 ug/L	100
74) Di-n-butylphthalate	11.68	149	24897	29.36 ug/L	58
75) Fluoranthene	12.36	202	29958	55.53 ug/L	61
76) Pyrene	12.61	202	19708	36.16 ug/L	57
84) bis(2-Ethylhexyl)phthalate	14.06	149	302617	455.68 ug/L	79
86) Di-n-octylphthalate	15.05	149	57189	62.22 ug/L	56

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\113004\A08303.D Vial: 0
Acq On : 30 Nov 2004 19:53 Operator: CLZ
Sample : 125060-8 SS1285 &2.0 SOIL 1:10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:11 2004 Quant Results File: SV5-111604.RES

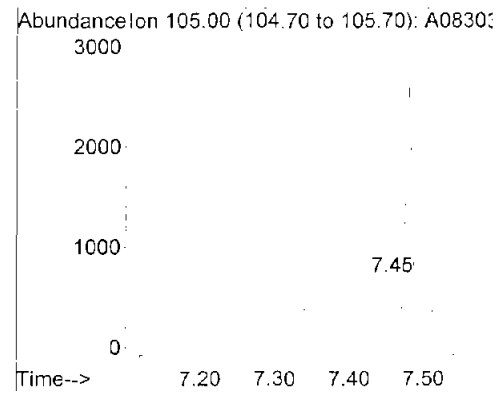
Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 13:53:17 2004
Response via : Initial Calibration

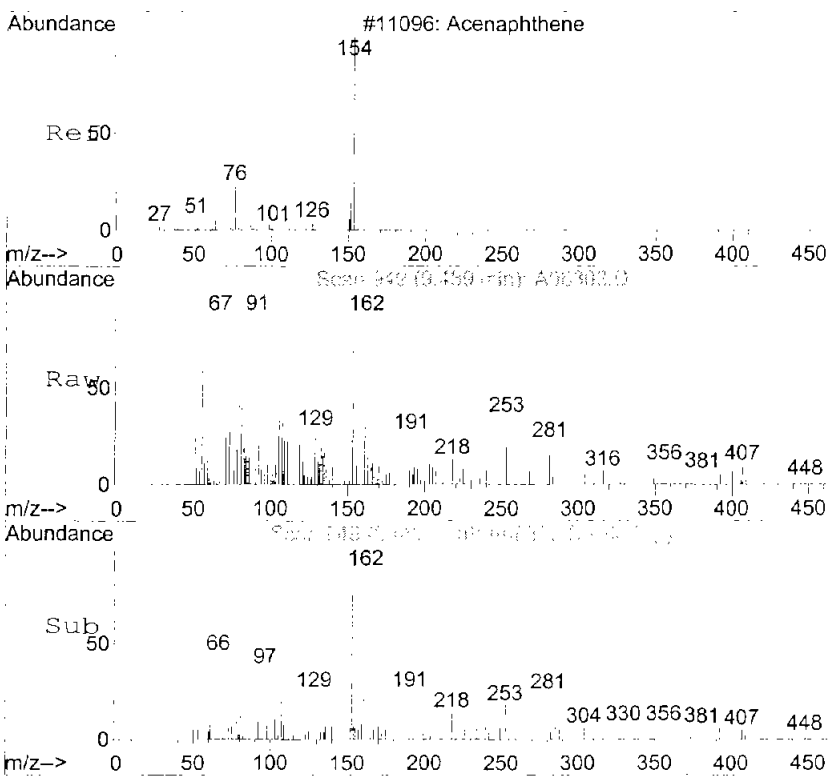




#29
Benzoic Acid
Concen: 76.54 ug/L
RT: 7.45 min Scan# 745
Delta R.T. 0.16 min
Lab File: A08303.D
Acq: 30 Nov 2004 19:53

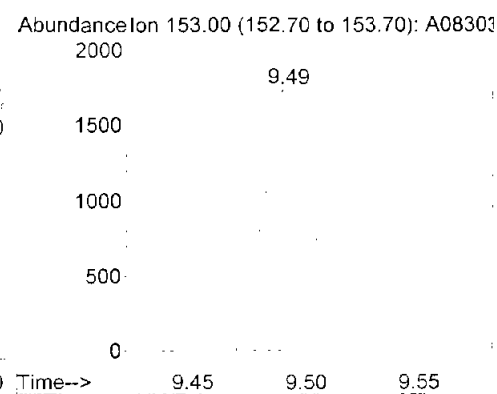
Tgt Ion:105 Resp: 5405

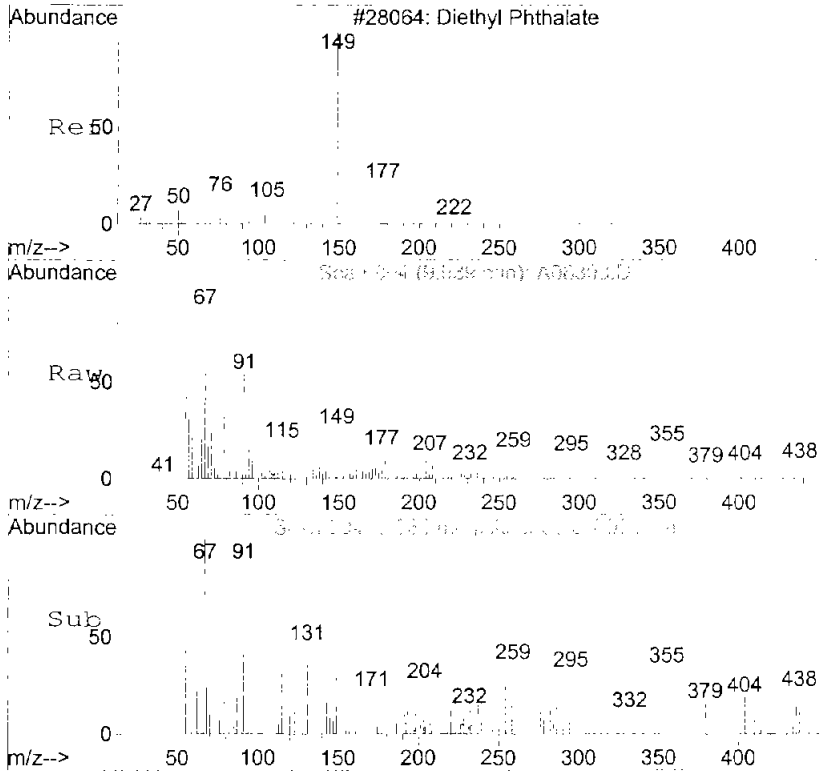




#51
Acenaphthene
Concen: 8.77 ug/L
RT: 9.49 min Scan# 949
Delta R.T. 0.02 min
Lab File: A08303.D
Acq: 30 Nov 2004 19:53

Tgt Ion:153 Resp: 2809

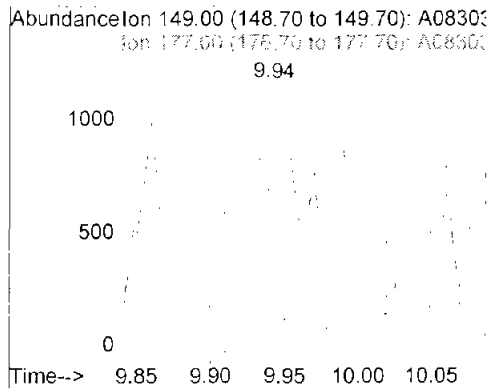


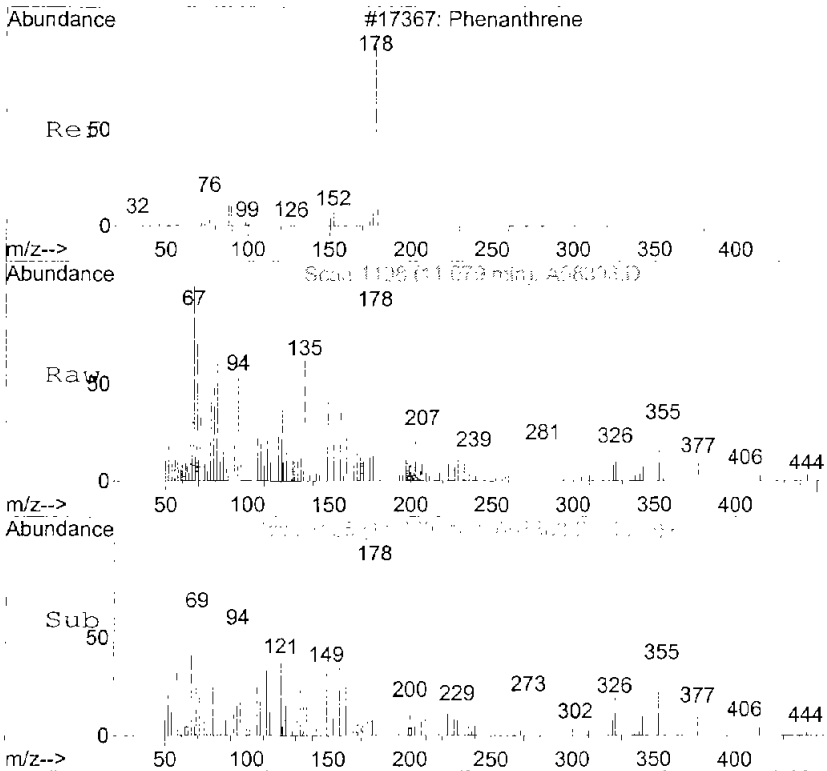


#58
Diethylphthalate
Concen: 8.68 ug/L
RT: 9.94 min Scan# 994
Delta R.T. -0.01 min
Lab File: A08303.D
Acq: 30 Nov 2004 19:53

Tgt Ion:149 Resp: 3679

Ion	Ratio	Lower	Upper
149	100		
177	46.8	0.0	61.2

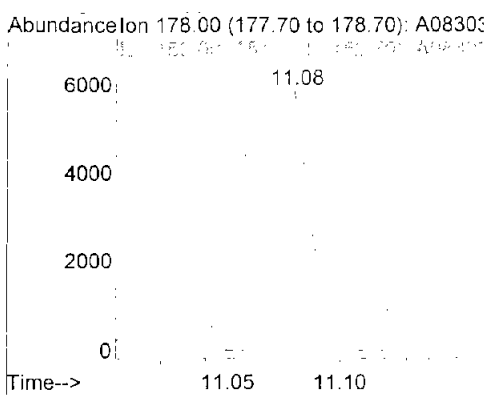


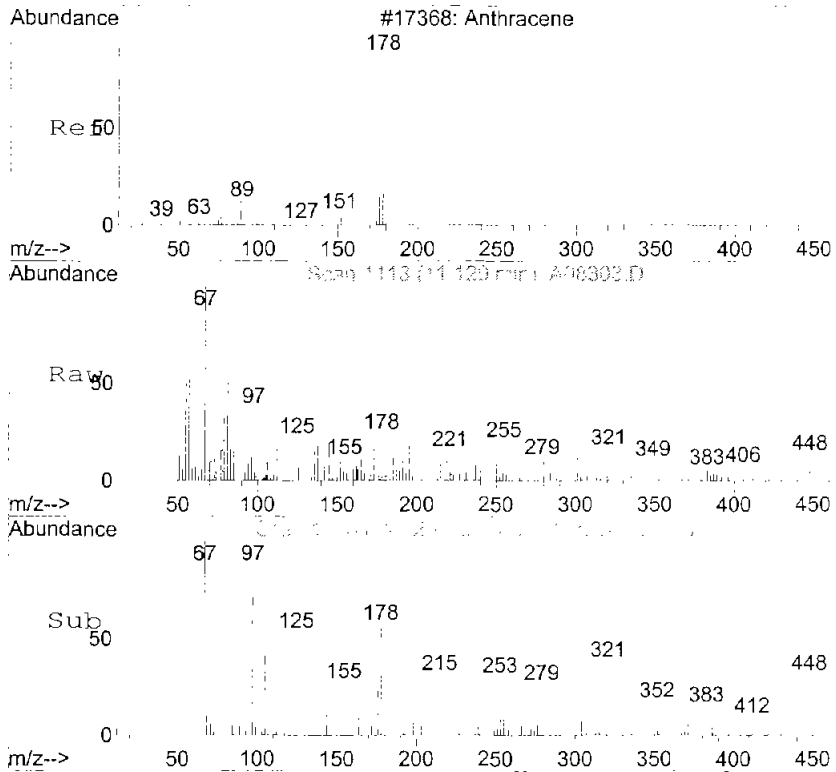


#70
Phenanthrene
Concen: 28.26 ug/L
RT: 11.08 min Scan# 1108
Delta R.T. 0.03 min
Lab File: A08303.D
Acq: 30 Nov 2004 19:53

Tgt Ion:178 Resp: 14099

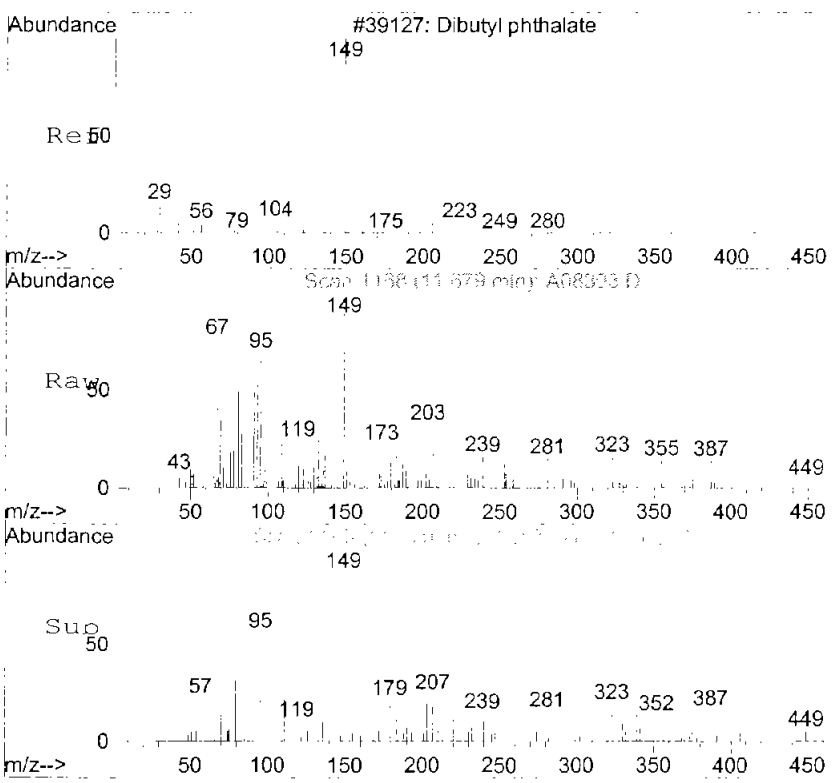
Ion	Ratio	Lower	Upper
178	100		
152	24.7	0.0	58.0





#71
Anthracene
Concen: 2.79 ug/L
RT: 11.13 min Scan# 1113
Delta R.T. 0.02 min
Lab File: A08303.D
Acq: 30 Nov 2004 19:53

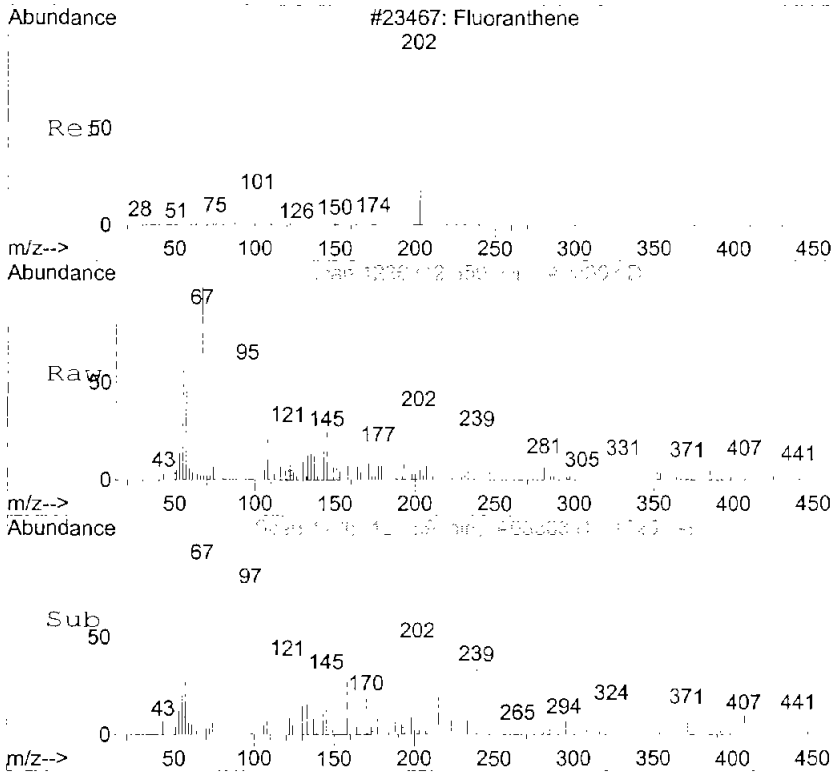
Tgt Ion:178 Resp: 1288



#74
Di-n-butylphthalate
Concen: 29.36 ug/L
RT: 11.68 min Scan# 1168
Delta R.T. -0.02 min
Lab File: A08303.D
Acq: 30 Nov 2004 19:53

Tgt Ion:149 Resp: 24897

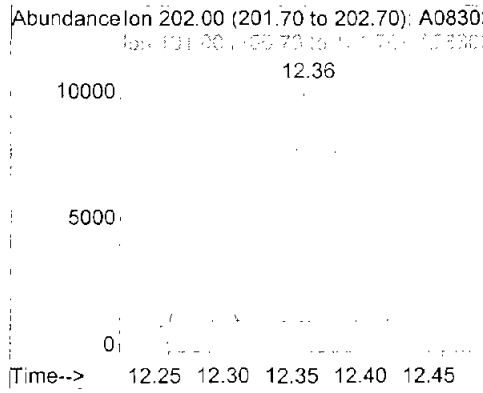
Ion	Ratio	Lower	Upper
149	100		
150	23.9	0.0	47.9

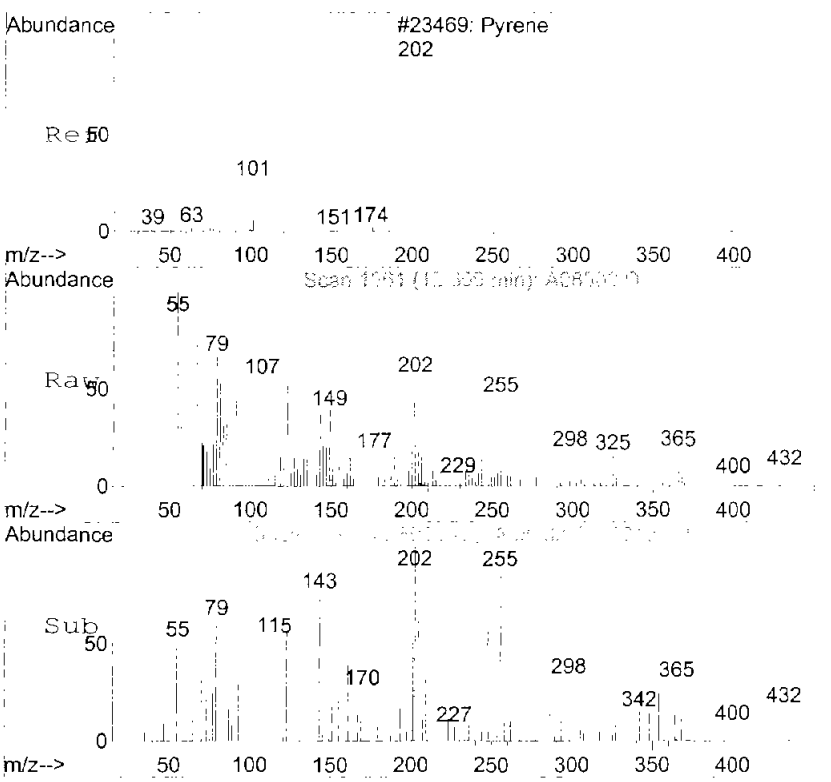


#75
Fluoranthene
Concen: 55.53 ug/L
RT: 12.36 min Scan# 1236
Delta R.T. 0.01 min
Lab File: A08303.D
Acq: 30 Nov 2004 19:53

Tgt Ion:202 Resp: 29958

Ion	Ratio	Lower	Upper
202	100		
101	24.8	0.0	70.3

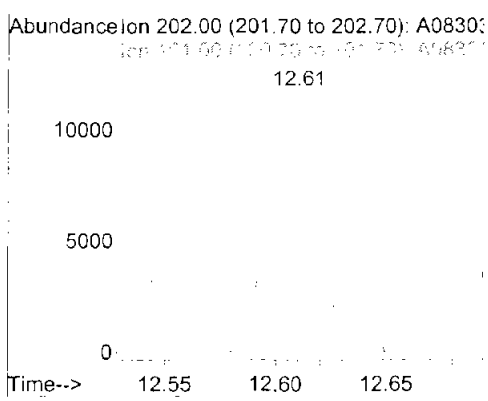


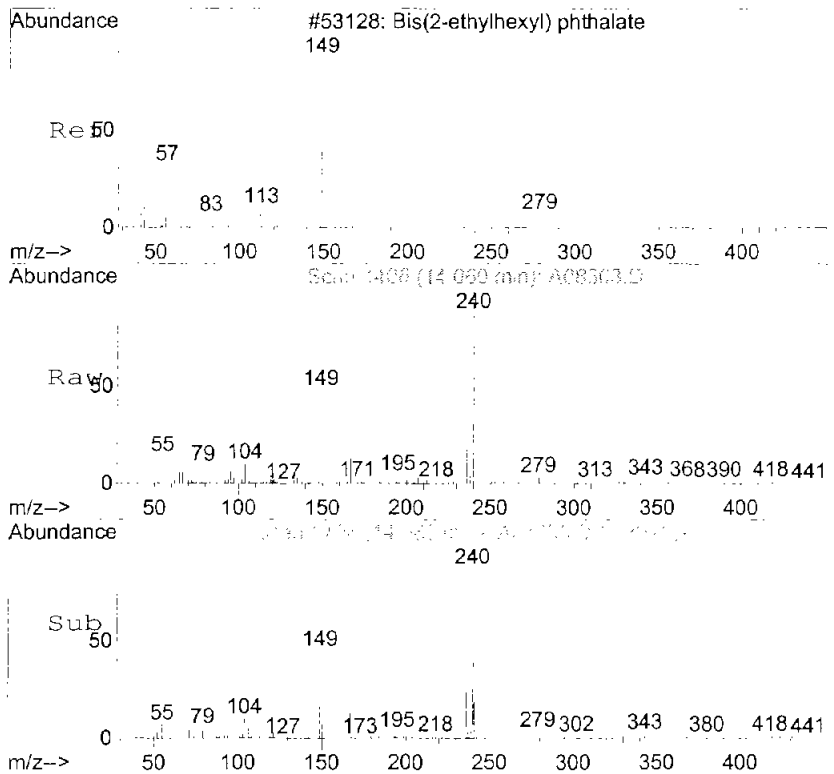


#76
Pyrene
Concen: 36.16 ug/L
RT: 12.61 min Scan# 1261
Delta R.T. 0.02 min
Lab File: A08303.D
Acq: 30 Nov 2004 19:53

Tgt Ion:202 Resp: 19708

Ion	Ratio	Lower	Upper
202	100		
101	24.7	0.0	49.2

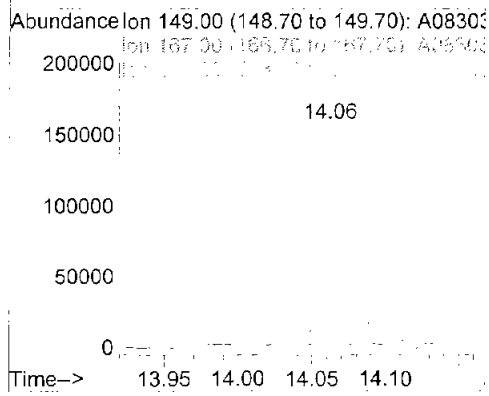


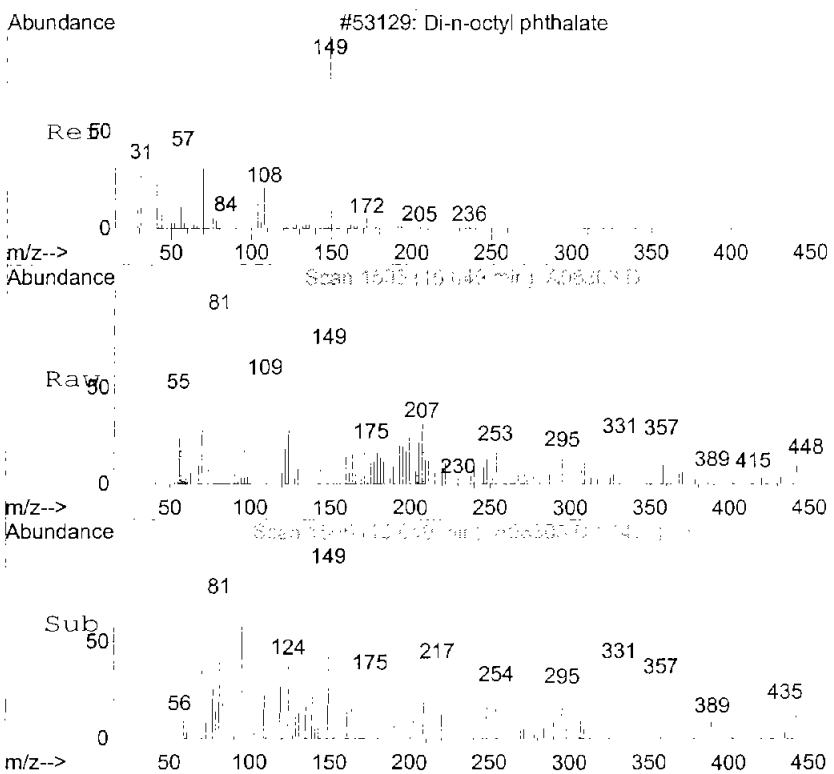


#84
bis(2-Ethylhexyl)phthalate
Concen: 455.68 ug/L
RT: 14.06 min Scan# 1406
Delta R.T. 0.02 min
Lab File: A08303.D
Acq: 30 Nov 2004 19:53

Tgt Ion:149 Resp: 302617

Ion	Ratio	Lower	Upper
149	100		
167	24.5	0.0	78.1
279	3.9	0.0	42.4

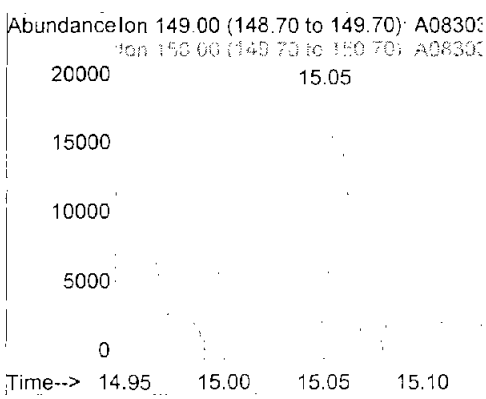




#86
Di-n-octylphthalate
Concen: 62.22 ug/L
RT: 15.05 min Scan# 1505
Delta R.T. 0.04 min
Lab File: A08303.D
Acq: 30 Nov 2004 19:53

Tgt Ion:149 Resp: 57189

Ion	Ratio	Lower	Upper
149	100		
150	25.8	0.0	49.6



Data File : U:\DATA\113004\B03586.D Vial: 0
Acq On : 30 Nov 2004 22:05 Operator: CLZ
Sample : 125060-10 SW0140 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 04 10:49:37 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.63	152	13371	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.32	136	55806	1000.00 ug/L	0.00
36) Acenaphthene - d10 (I)	10.32	162	32837	1000.00 ug/L	0.00
60) Phenanthrene - d10 (I)	11.90	188	51333	1000.00 ug/L	-0.01
77) Chrysene - d12 (I)	14.80	240	73749+	1000.00 ul/l	0.00
83) Perylene - d12 (I)	17.05	264	23277+	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.39	112	9742	689.71 ug/L	0.00
6) Phenol - d5 (S)	6.25	99	6707	402.40 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.45	82	19363	1260.43 ug/L	-0.02
41) 2 - Fluorobiphenyl (S)	9.60	172	33956	1343.01 ug/L	0.01
63) 2,4,6 - Tribromophenol (S)	11.18	330	13028	1330.92 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.61	244	54890	1252.84 ug/L	-0.03
Target Compounds					Qvalue
30) Naphthalene	8.34	128	10200	235.95 ug/L	96
34) 2-Methylnaphthalene	9.15	141	1951	98.16 ug/L #	1
35) 1-Methylnaphthalene	9.27	141	683	33.34 ul/l #	1
49) Acenaphthene	10.36	153	950	35.14 ug/L	100
52) Dibenzofuran	10.53	168	2464	88.17 ug/L	78
56) Diethylphthalate	10.84	149	552	25.20 ug/L #	55
57) Fluorene	10.90	166	1671	57.13 ug/L	95
68) Phenanthrene	11.93	178	9010	238.79 ug/L	90
69) Anthracene	11.98	178	1250	31.07 ug/L	100
70) Octadecane	11.78	57	476	35.08 ug/L #	26
72) Di-n-butylphthalate	12.57	149	19904	465.79 ug/L	94
73) Fluoranthene	13.20	202	2500	49.79 ug/L #	86
74) Pyrene	13.44	202	983	19.25 ug/L #	81
78) Butylbenzylphthalate	14.16	149	1590	73.65 ug/L	94
82) bis(2-Ethylhexyl)phthalate	14.85	149	8359	239.76 ug/L	93

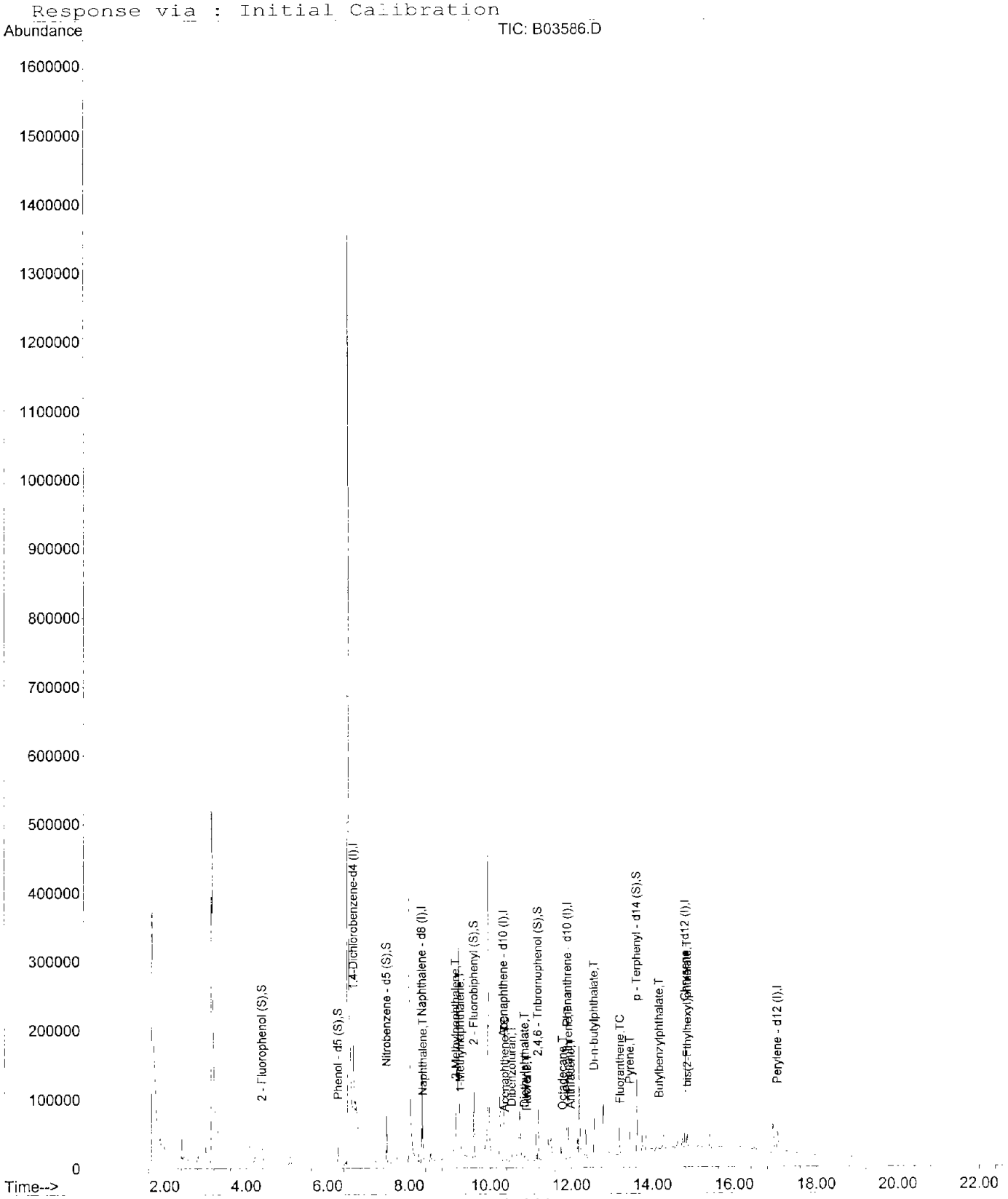
(#) = qualifier out of range (m) = manual integration (+) = signals summed

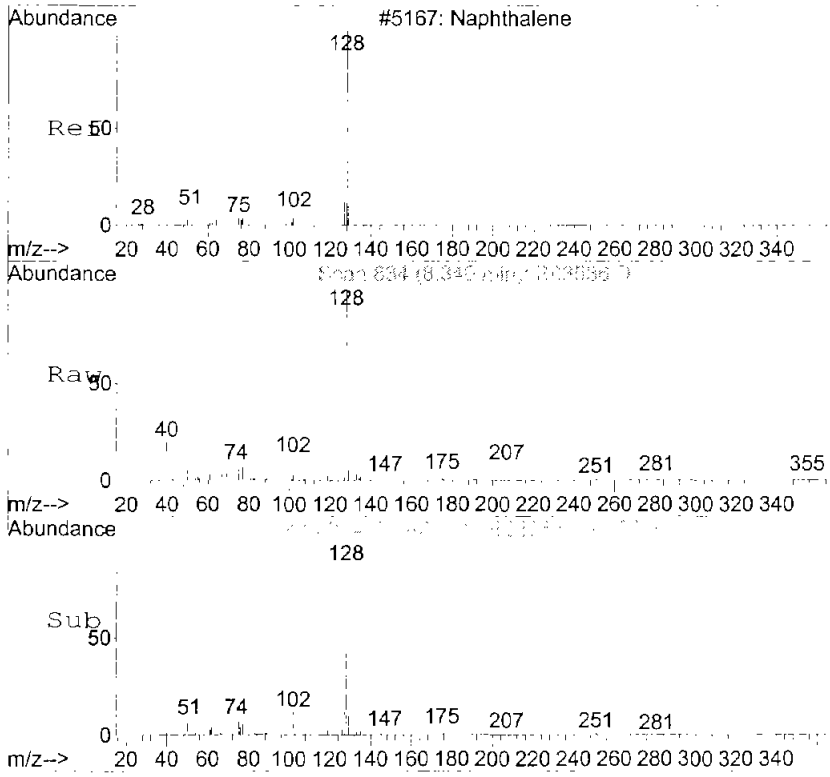
45264
00610

Data File : U:\DATA\113004\B03586.D
Acq On : 30 Nov 2004 22:05
Sample : 125060-10 SW0140 &1.0 WATER
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 4 10:50 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration

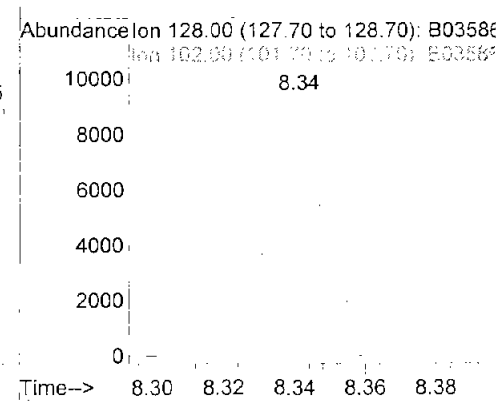


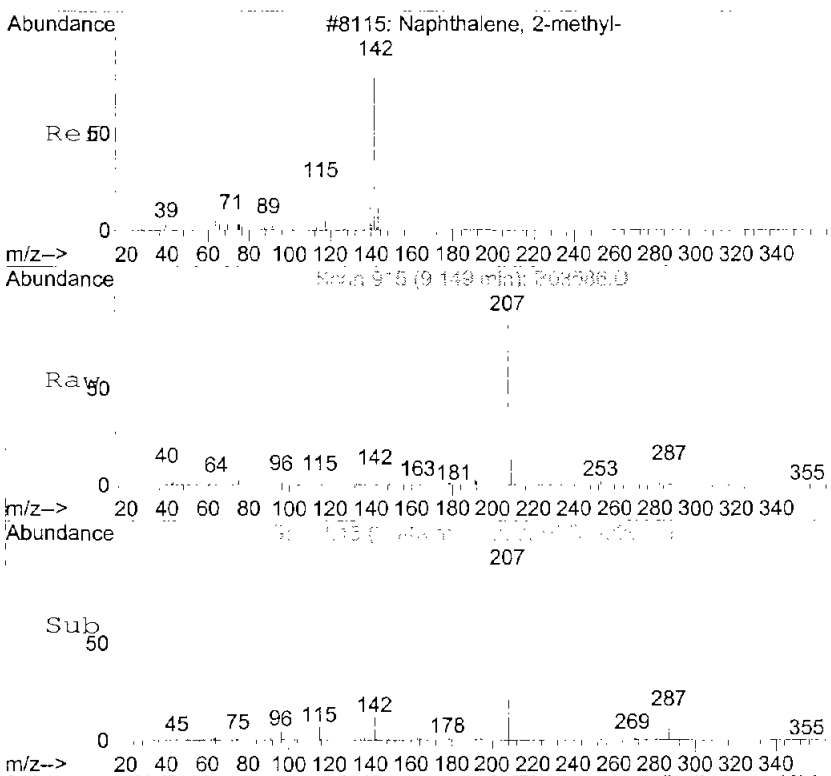


#30
Naphthalene
Concen: 235.95 ug/L
RT: 8.34 min Scan# 834
Delta R.T. 0.01 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:128 Resp: 10200

Ion	Ratio	Lower	Upper
128	100		
102	14.1	0.0	55.7

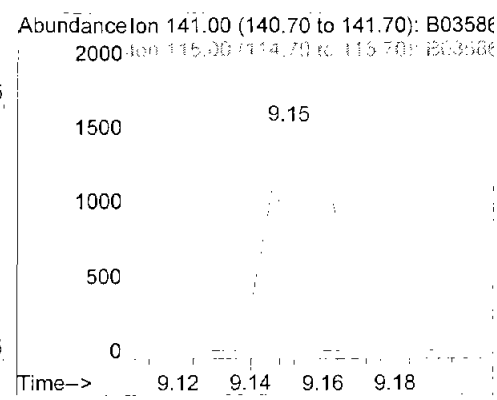


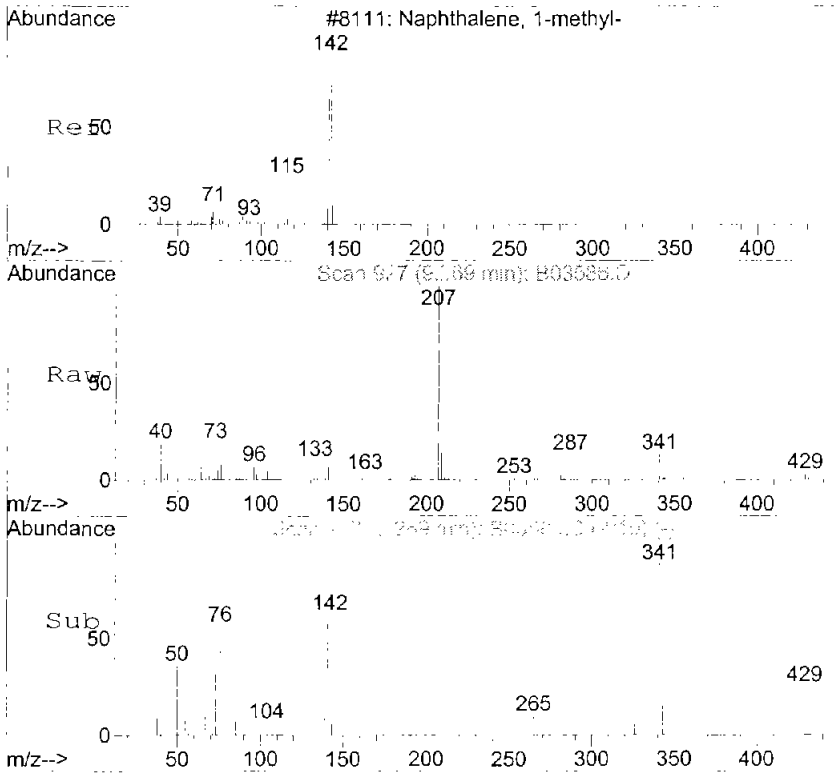


#34
2-Methylnaphthalene
Concen: 98.16 ug/L
RT: 9.15 min Scan# 915
Delta R.T. -0.01 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:141 Resp: 1951

Ion	Ratio	Lower	Upper
141	100		
115	183.6	0.0	70.0#

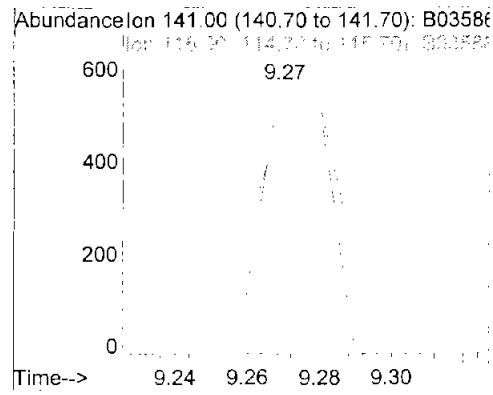


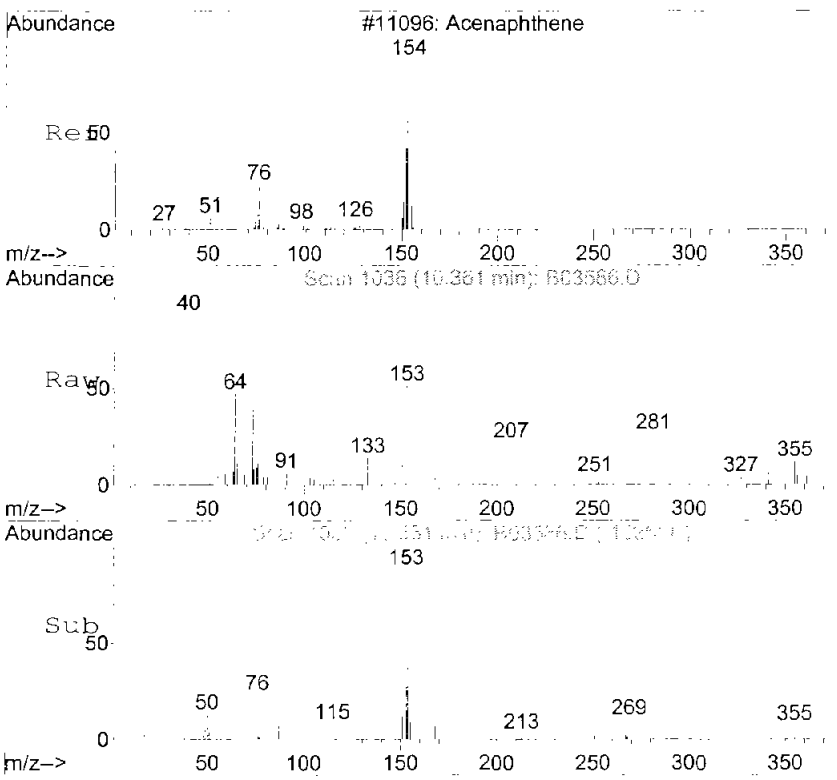


#35
1-Methylnaphthalene
Concen: 33.34 ul/l
RT: 9.27 min Scan# 927
Delta R.T. -0.02 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:141 Resp: 683

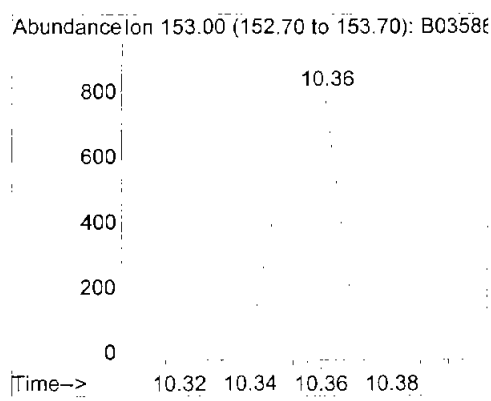
Ion	Ratio	Lower	Upper
141	100		
115	96.2	0.0	70.0#

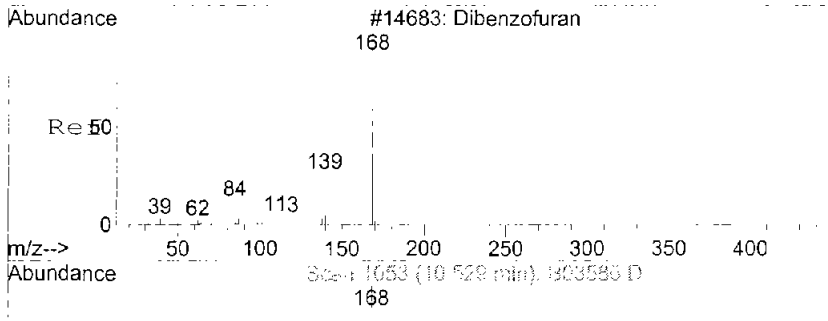




#49
Acenaphthene
Concen: 35.14 ug/L
RT: 10.36 min Scan# 1036
Delta R.T. 0.01 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:153 Resp: 950

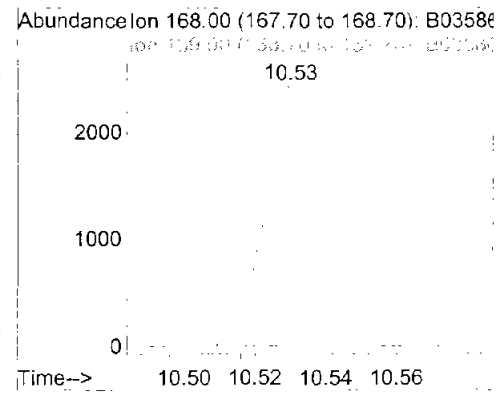


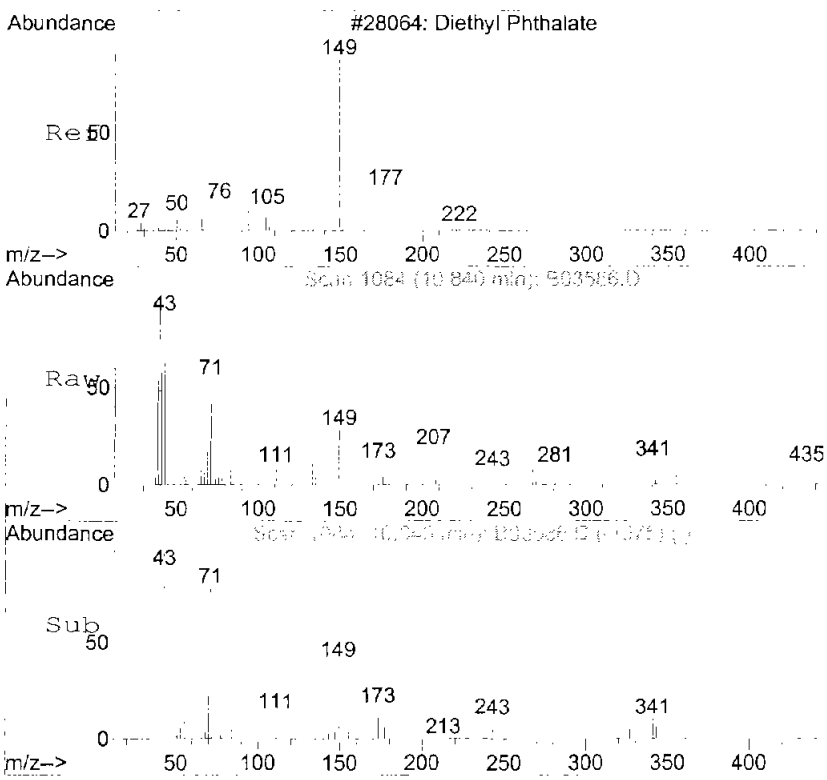


#52
Dibenzofuran
Concen: 88.17 ug/L
RT: 10.53 min Scan# 1053
Delta R.T. -0.01 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:168 Resp: 2464

Ion	Ratio	Lower	Upper
168	100		
139	54.8	33.0	113.0

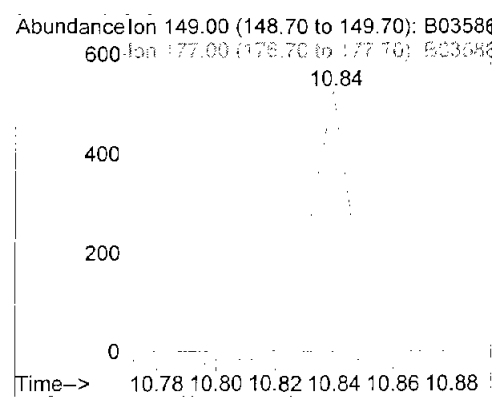


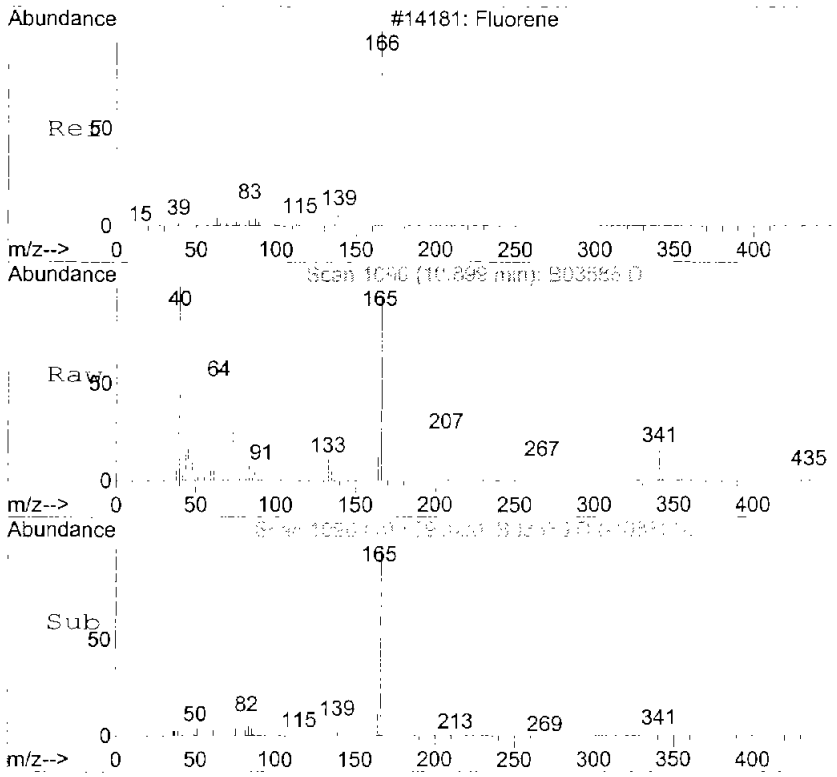


#56
Diethylphthalate
Concen: 25.20 ug/L
RT: 10.84 min Scan# 1084
Delta R.T. -0.01 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:149 Resp: 552

Ion	Ratio	Lower	Upper
149	100		
177	0.0	0.0	61.2

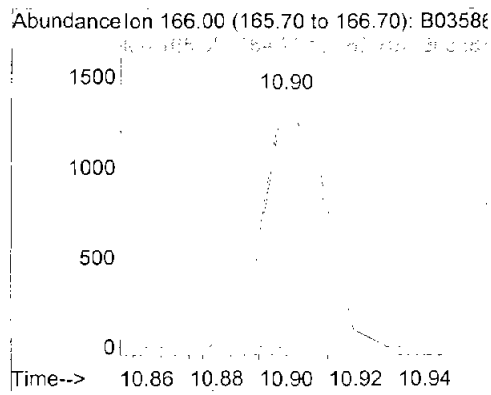


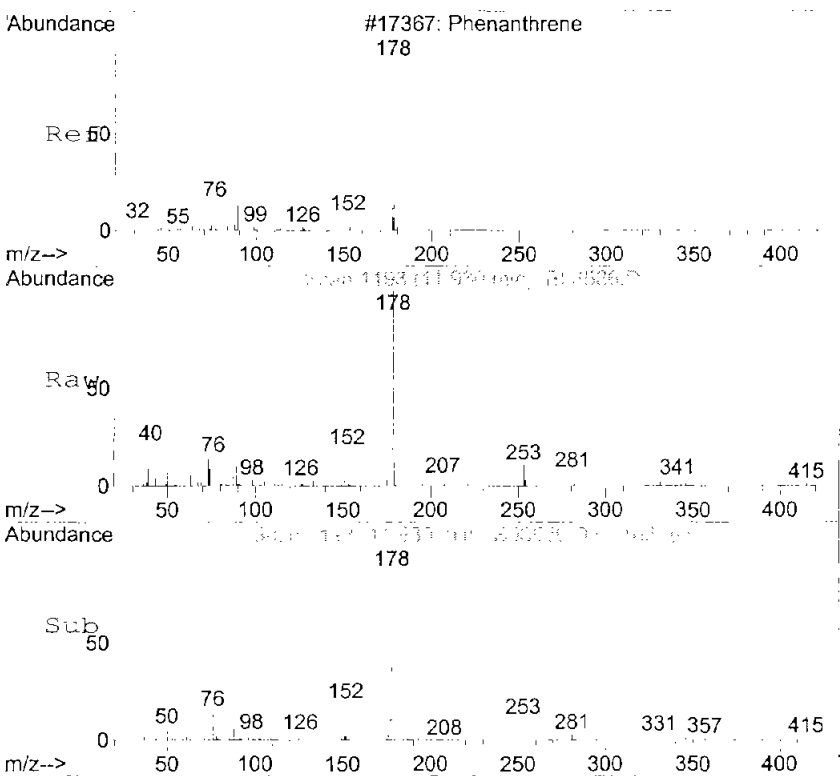


#57
Fluorene
Concen: 57.13 ug/L
RT: 10.90 min Scan# 1090
Delta R.T. -0.04 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:166 Resp: 1671

Ion	Ratio	Lower	Upper
166	100		
165	101.2	66.2	146.2

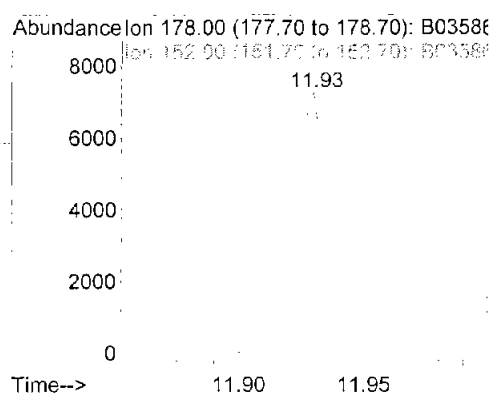


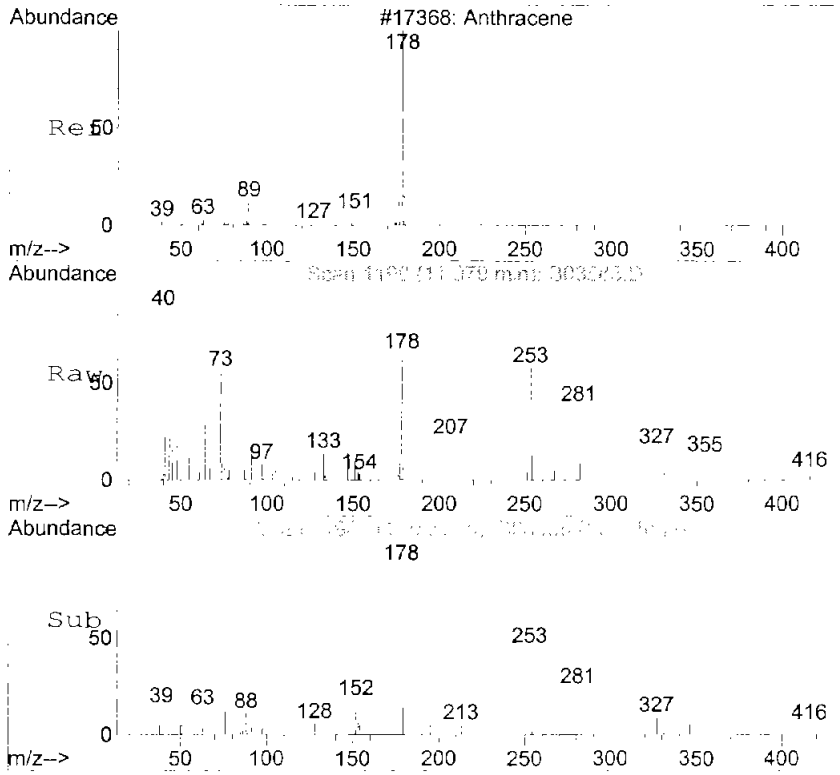


#68
Phenanthrene
Concen: 238.79 ug/L
RT: 11.93 min Scan# 1193
Delta R.T. -0.00 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:178 Resp: 9010

Ion	Ratio	Lower	Upper
178	100		
152	19.7	0.0	64.8

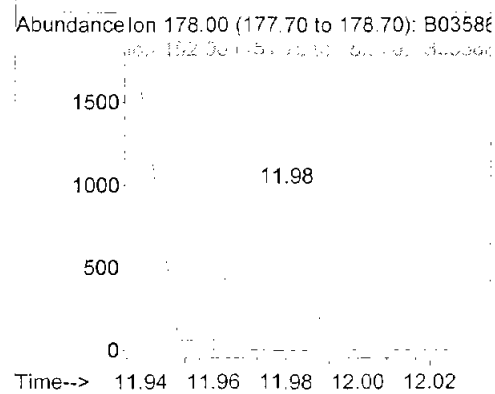


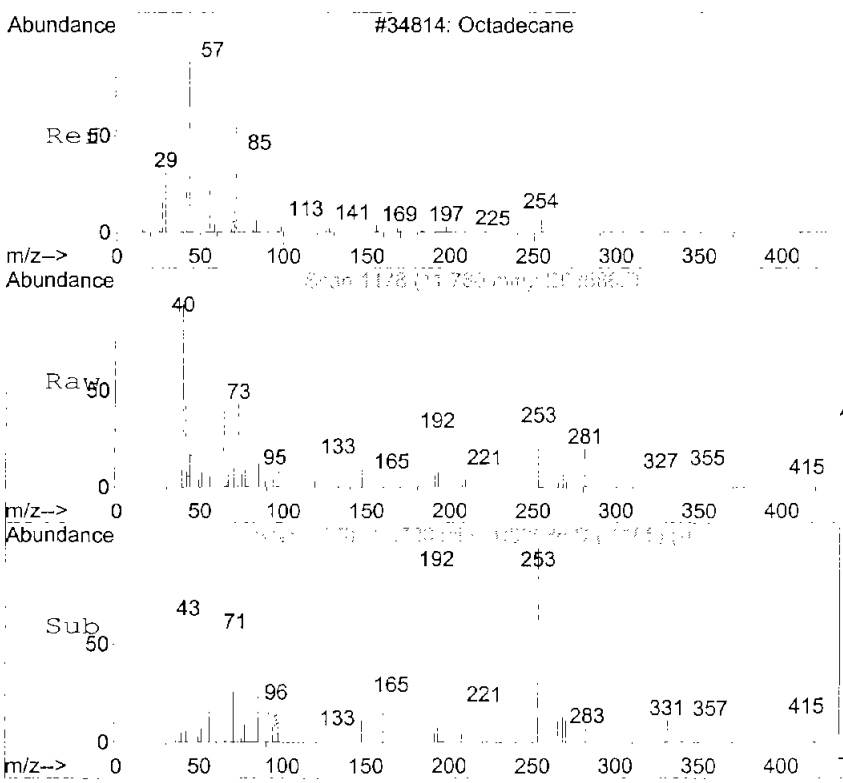


#69
Anthracene
Concen: 31.07 ug/L
RT: 11.98 min Scan# 1198
Delta R.T. -0.00 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:178 Resp: 1250

Ion	Ratio	Lower	Upper
178	100		
152	18.9	0.0	40.0

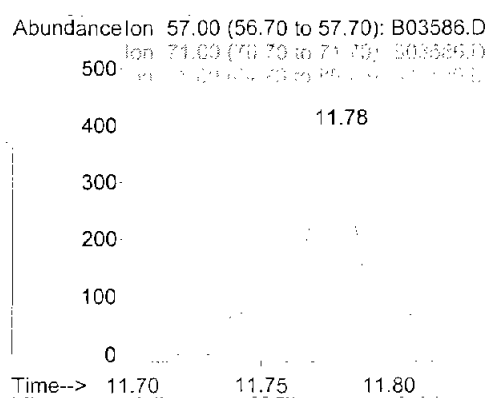


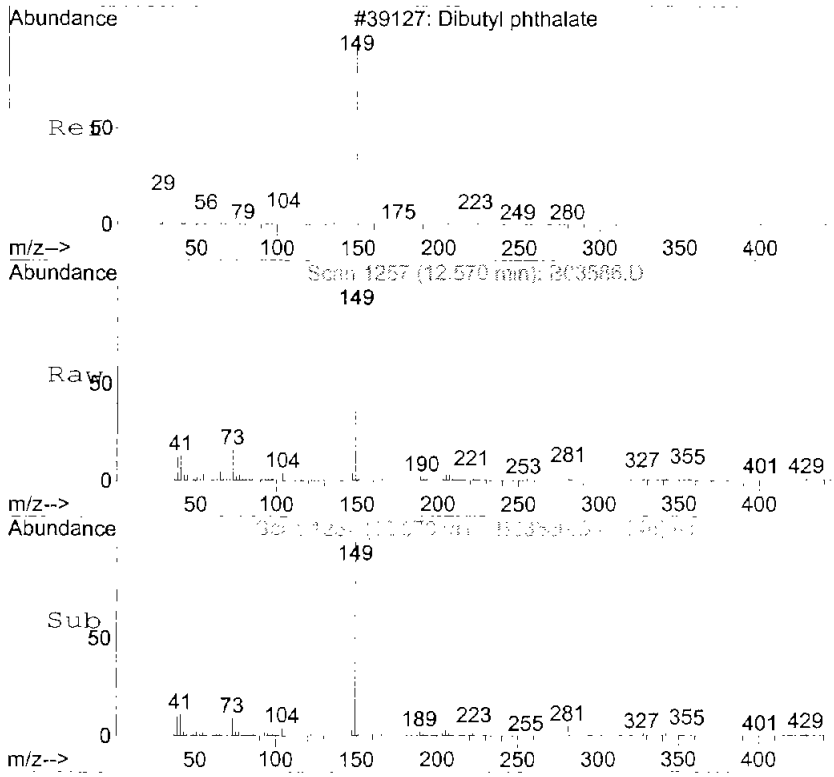


#70
Octadecane
Concen: 35.08 ug/L
RT: 11.78 min Scan# 1178
Delta R.T. 0.03 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion: 57 Resp: 476

Ion	Ratio	Lower	Upper
57	100		
71	131.1	26.4	106.4#
85	0.0	20.4	100.4#

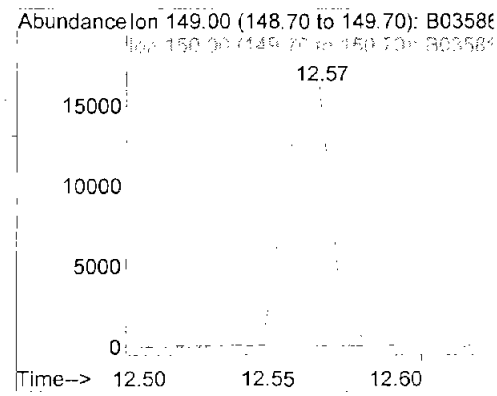


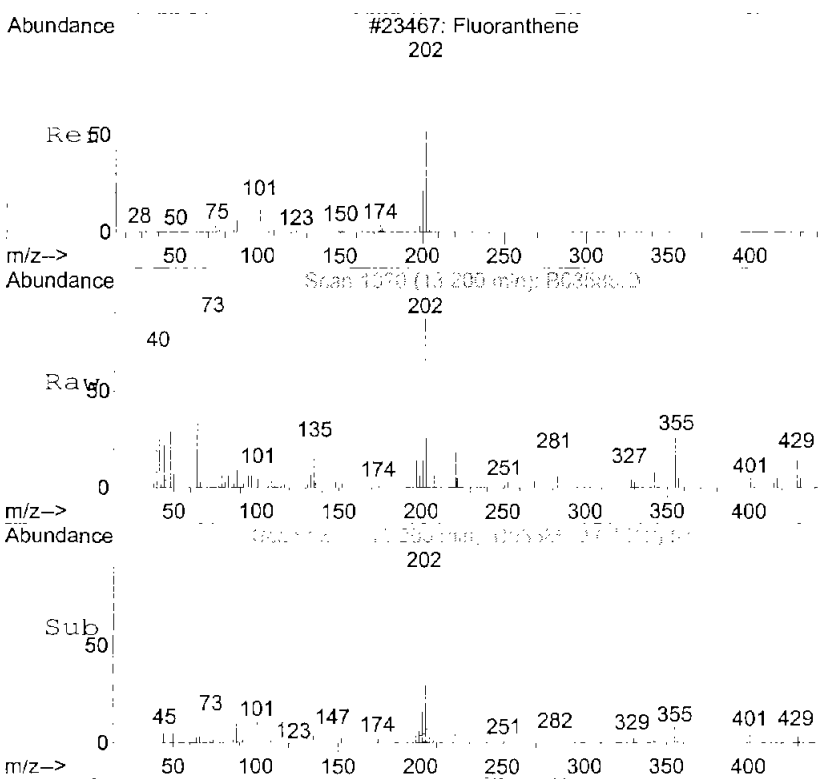


#72
Di-n-butylphthalate
Concen: 465.79 ug/L
RT: 12.57 min Scan# 1257
Delta R.T. 0.01 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:149 Resp: 19904

Ion	Ratio	Lower	Upper
149	100		
150	8.0	0.0	50.0

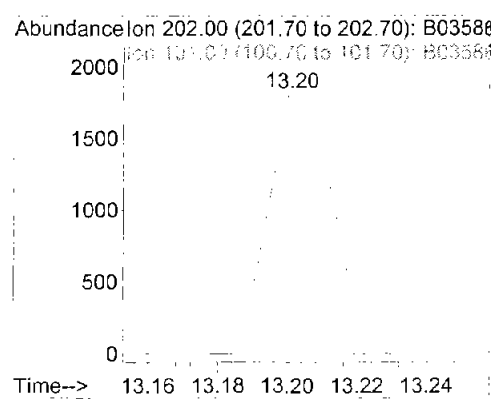


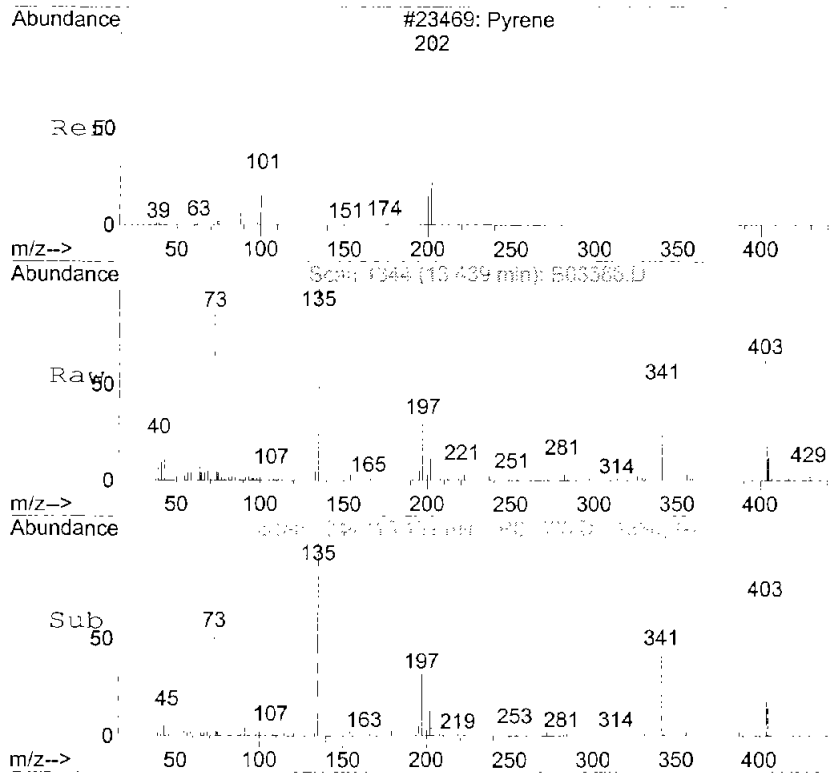


#73
Fluoranthene
Concen: 49.79 ug/L
RT: 13.20 min Scan# 1320
Delta R.T. -0.02 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:202 Resp: 2500

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	44.7

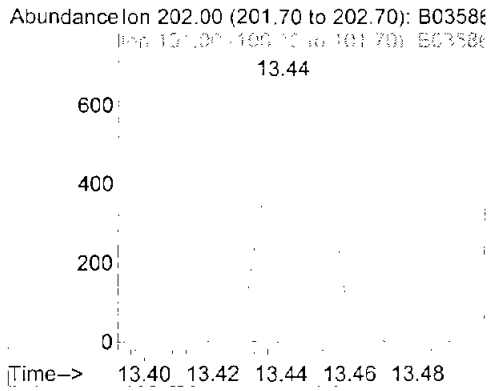


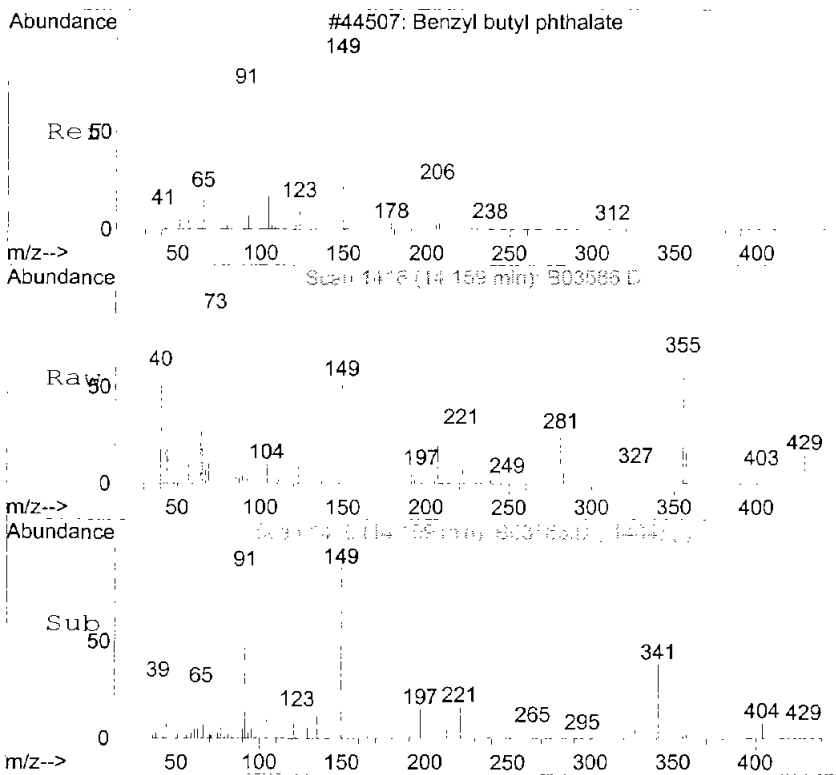


#74
Pyrene
Concen: 19.25 ug/L
RT: 13.44 min Scan# 1344
Delta R.T. -0.02 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:202 Resp: 983

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	46.3

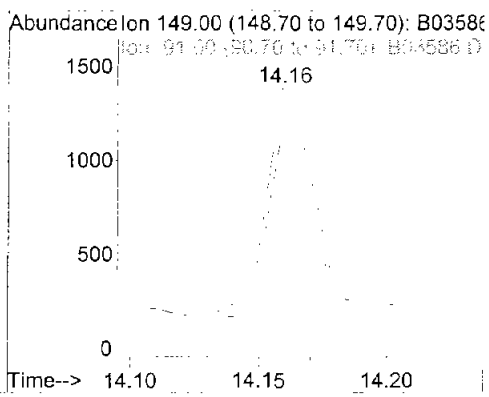


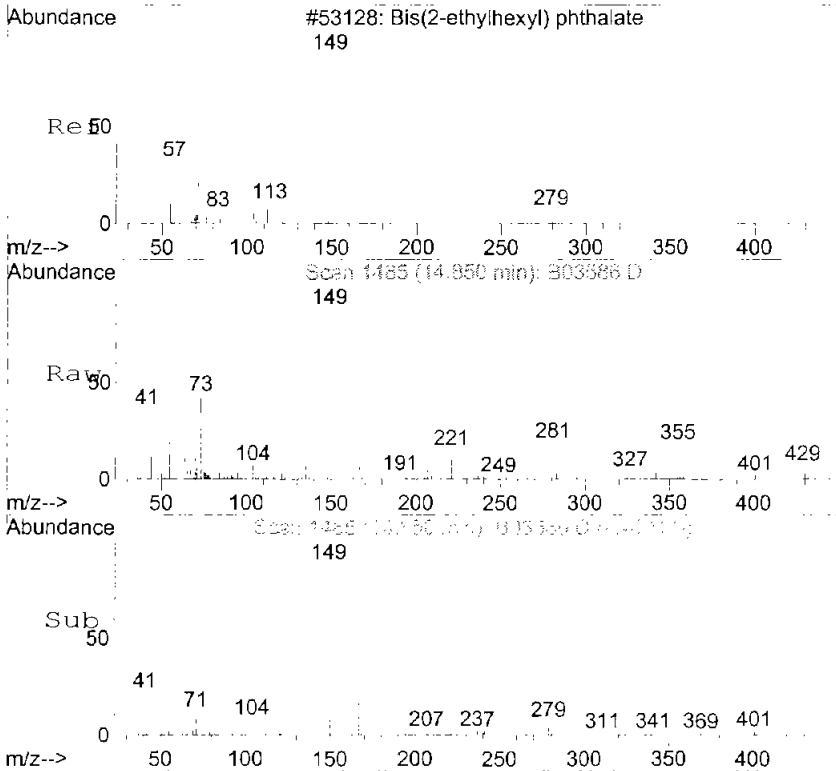


#78
Butylbenzylphthalate
Concen: 73.65 ug/L
RT: 14.16 min Scan# 1416
Delta R.T. 0.02 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:149 Resp: 1590

Ion	Ratio	Lower	Upper
149	100		
91	79.2	45.0	125.0

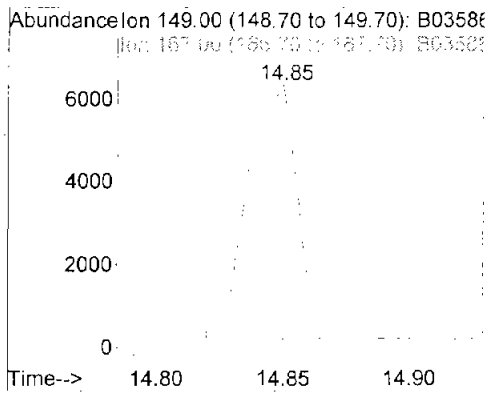




#82
bis(2-Ethylhexyl)phthalate
Concen: 239.76 ug/L
RT: 14.85 min Scan# 1485
Delta R.T. 0.01 min
Lab File: B03586.D
Acq: 30 Nov 2004 22:05

Tgt Ion:149 Resp: 8359

Ion	Ratio	Lower	Upper
149	100		
167	19.3	0.0	62.6



STL Seattle

6a **Sample Information**

Th	Client Name	**URS Corporation**
	Work Order Number	**125060**
	Sample Number	**11**
	QC Batch Number	**sw1040**
	Client Sample ID	**41123SGA16ERW**
	Date Received	**11-24-04**
	Date Prepared	**11-30-04**
	Date Analyzed	**11-30-04**
	Sample matrix type	**liquid**
	QC sample type	**sample**

Related Blank: sw1040

Sample volume (ml)	**855**	=	0.855 /L	Calc. Fact.	0.001169591
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.169590643
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	601.0193		60.1	**OK**	2	120
x	Phenol - d5	438.6218		43.9	**OK**	1	102
x	Nitrobenzene - d5	1080.395		108	**OK**	34	146
x	2 - Fluorobiphenyl	959.6264		96	**OK**	35	143
x	2,4,6 - Tribromophenol	1038.73		104	**OK**	29	151
x	p - Terphenyl - d14	1077.487		108	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Benzyl Alcohol	49.7732			0.0582	J	0.234
x	Naphthalene	23.1462			0.0271	J	0.0585
x	Diethylphthalate	21.3139			ND		0.234
x	Phenanthrene	7.9196			0.00926	J	0.0234
x	Di-n-butylphthalate	622.1419		149.994	0.728	B1	0.234
x	Butylbenzylphthalate	187.0901			0.219	J	0.351
x	bis(2-Ethylhexyl)phthalate	257.942			ND		1.75
x	Di-n-octylphthalate	29.1747			0.0341	J	0.234
	Octadecane	16.2589			ND		0.234

Data File : U:\DATA\113004\B03587.D Vial: 0
Acq On : 30 Nov 2004 22:33 Operator: CLZ
Sample : 125060-11 SW0140 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 04 10:50:57 2004 Quant Results File: 111604.RES

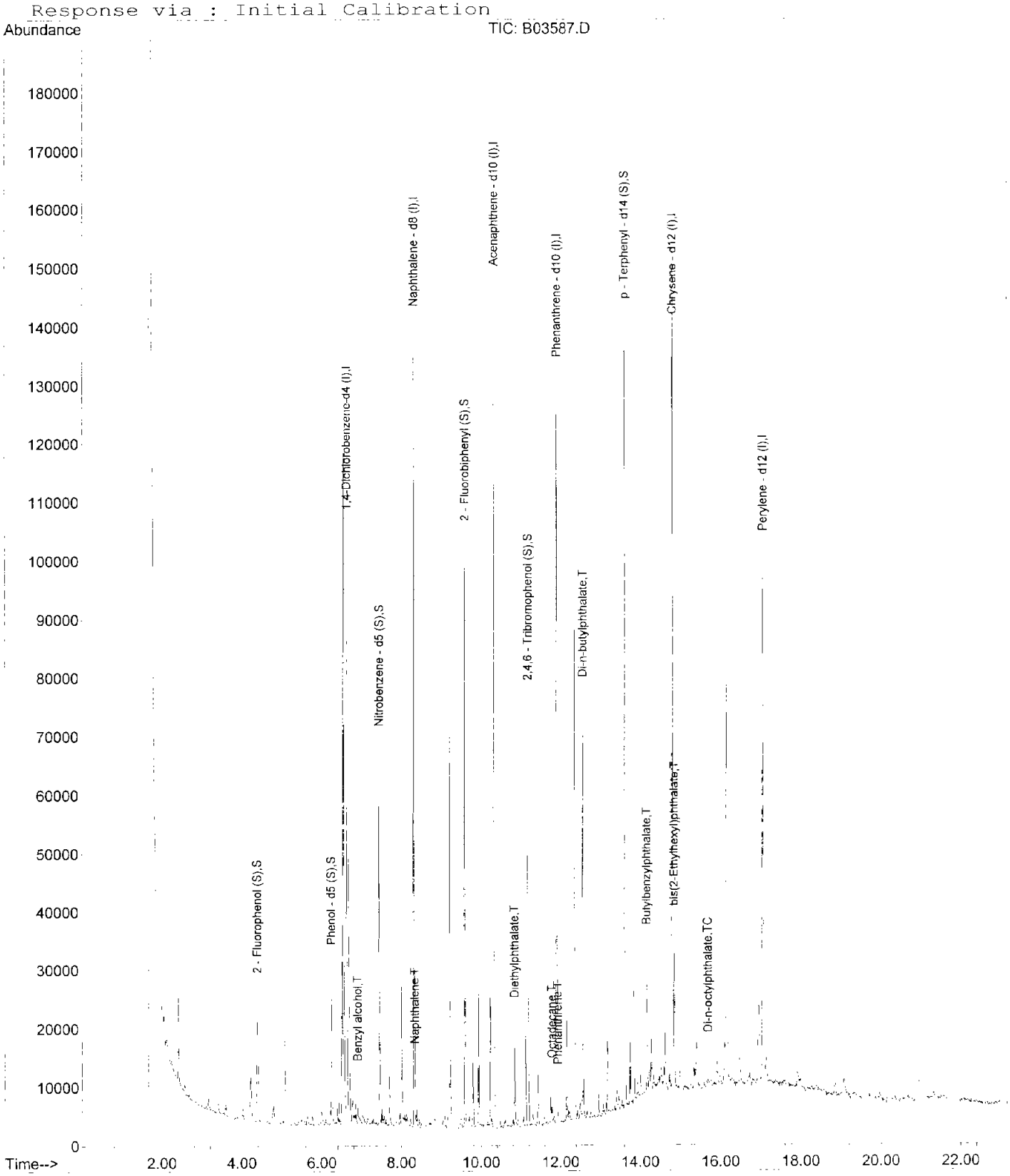
Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration
DataAcq Meth :

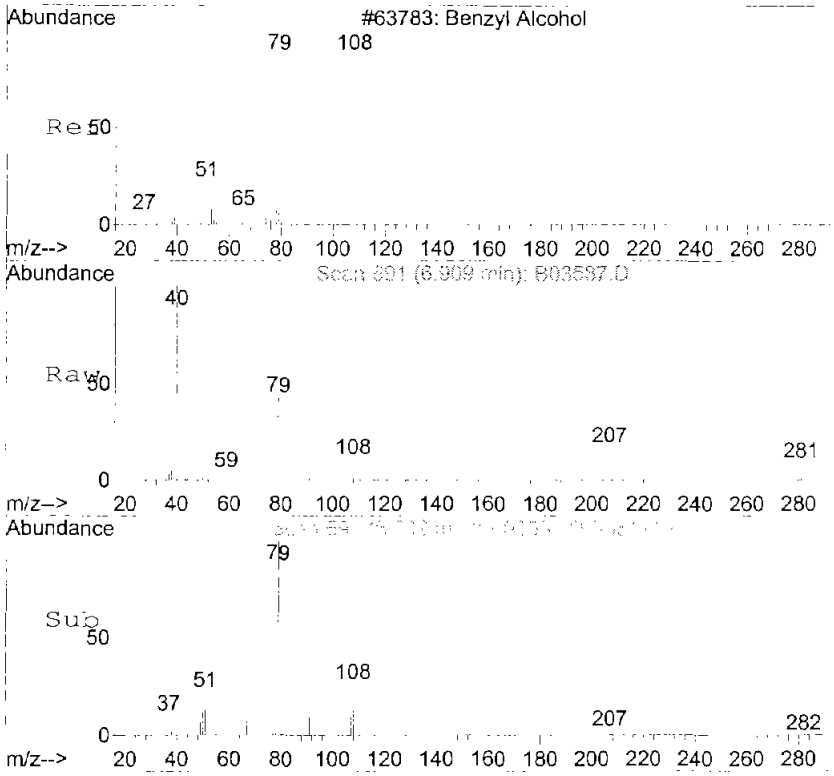
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.63	152	12402	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.32	136	52762	1000.00 ug/L	0.00
36) Acenaphthene - d10 (I)	10.33	162	36367	1000.00 ug/L	0.00
60) Phenanthrene - d10 (I)	11.91	188	58407	1000.00 ug/L	0.00
77) Chrysene - d12 (I)	14.81	240	85986+	1000.00 ul/l	0.01
83) Perylene - d12 (I)	17.06	264	95427+	1000.00 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.40	112	7874	601.02 ug/L	0.01
6) Phenol - d5 (S)	6.25	99	6781	438.62 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.45	82	15692	1080.40 ug/L	-0.02
41) 2 - Fluorobiphenyl (S)	9.60	172	26871	959.63 ug/L	0.01
63) 2,4,6 - Tribromophenol (S)	11.18	330	11569	1038.73 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.61	244	53713	1077.49 ug/L	-0.03
Target Compounds					Qvalue
13) Benzyl alcohol	6.91	79	930	49.77 ug/L #	43
30) Naphthalene	8.34	128	946	23.15 ug/L #	63
56) Diethylphthalate	10.84	149	517	21.31 ug/L #	55
68) Phenanthrene	11.93	178	340	7.92 ug/L #	50
70) Octadecane	11.78	57	251	16.26 ug/L #	18
72) Di-n-butylphthalate	12.57	149	30249	622.14 ug/L	94
78) Butylbenzylphthalate	14.17	149	4709	187.09 ug/L	90
82) bis(2-Ethylhexyl)phthalate	14.86	149	10485	257.94 ug/L	95
84) Di-n-octylphthalate	15.69	149	2134	29.17 ug/L #	73

Data File : U:\DATA\113004\B03587.D
Acq On : 30 Nov 2004 22:33
Sample : 125060-11 SW0140 &1.0 WATER
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 4 10:51 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration

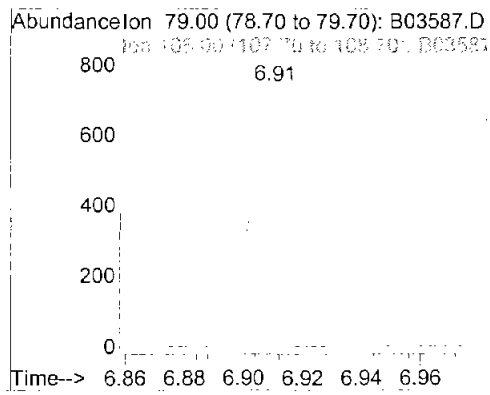


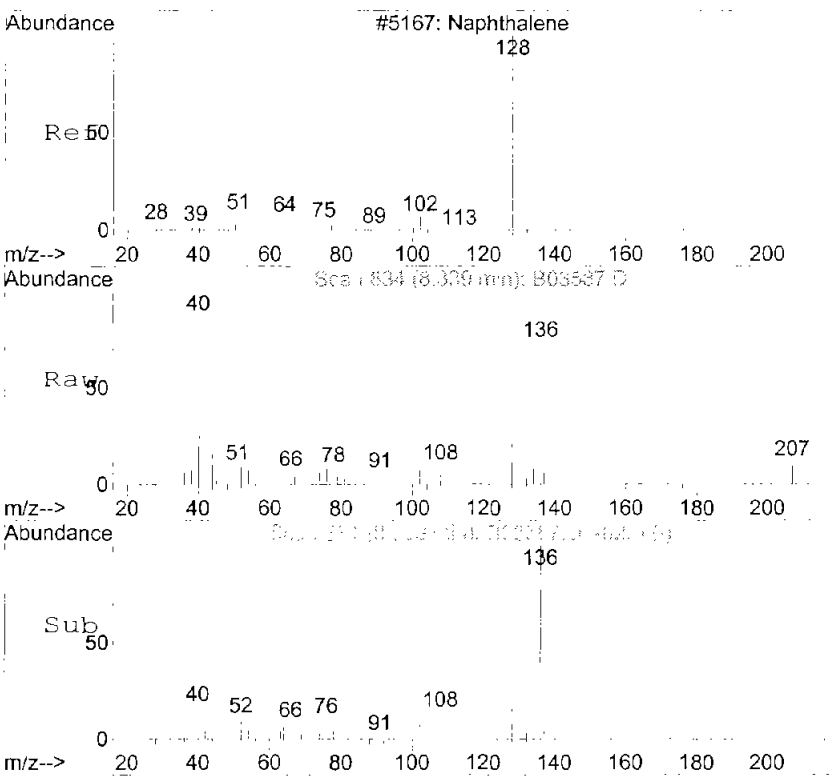


#13
Benzyl alcohol
Concen: 49.77 ug/L
RT: 6.91 min Scan# 691
Delta R.T. -0.00 min
Lab File: B03587.D
Acq: 30 Nov 2004 22:33

Tgt Ion: 79 Resp: 930

Ion	Ratio	Lower	Upper
79	100		
108	0.0	0.0	71.6

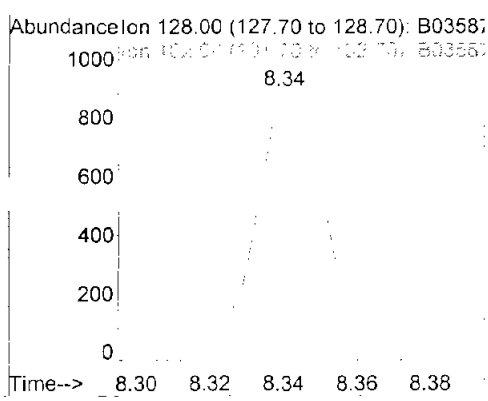


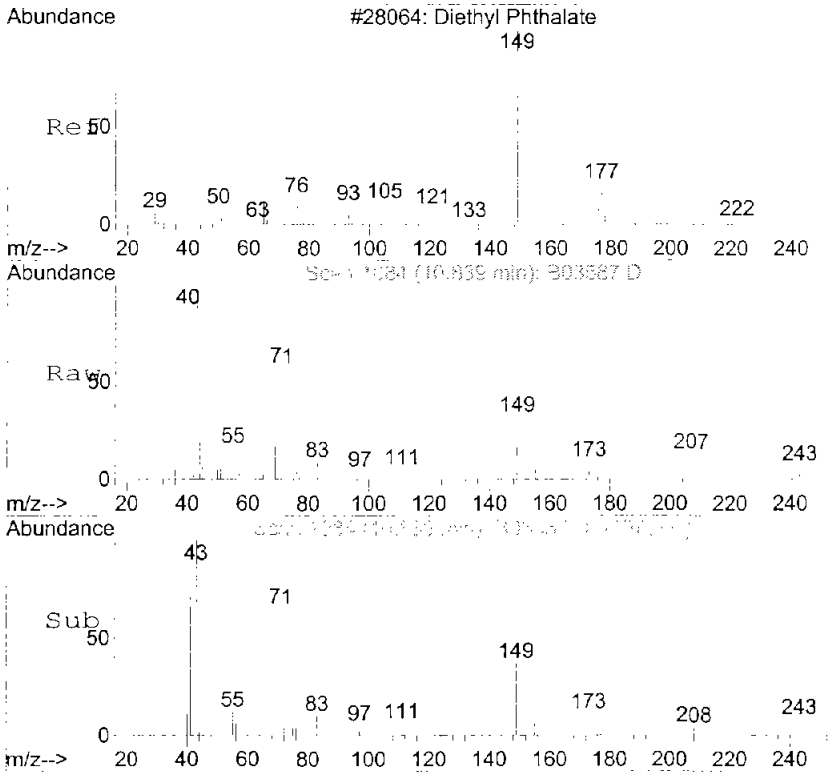


#30
Naphthalene
Concen: 23.15 ug/L
RT: 8.34 min Scan# 834
Delta R.T. 0.01 min
Lab File: B03587.D
Acq: 30 Nov 2004 22:33

Tgt Ion:128 Resp: 946

Ion	Ratio	Lower	Upper
128	100		
102	0.0	0.0	55.7

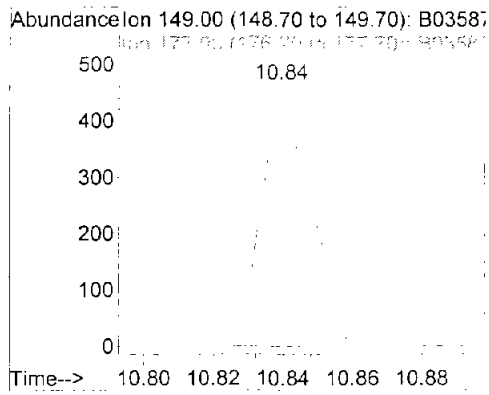


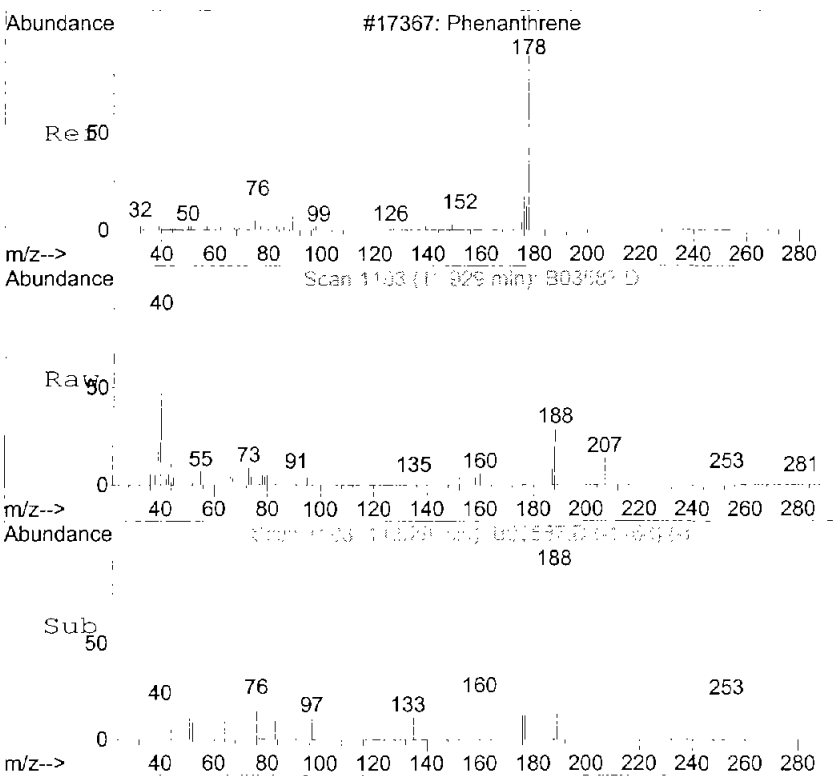


#56
Diethylphthalate
Concen: 21.31 ug/L
RT: 10.84 min Scan# 1084
Delta R.T. -0.01 min
Lab File: B03587.D
Acq: 30 Nov 2004 22:33

Tgt Ion:149 Resp: 517

Ion	Ratio	Lower	Upper
149	100		
177	0.0	0.0	61.2

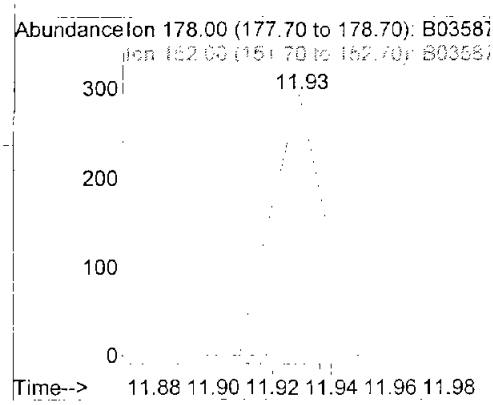


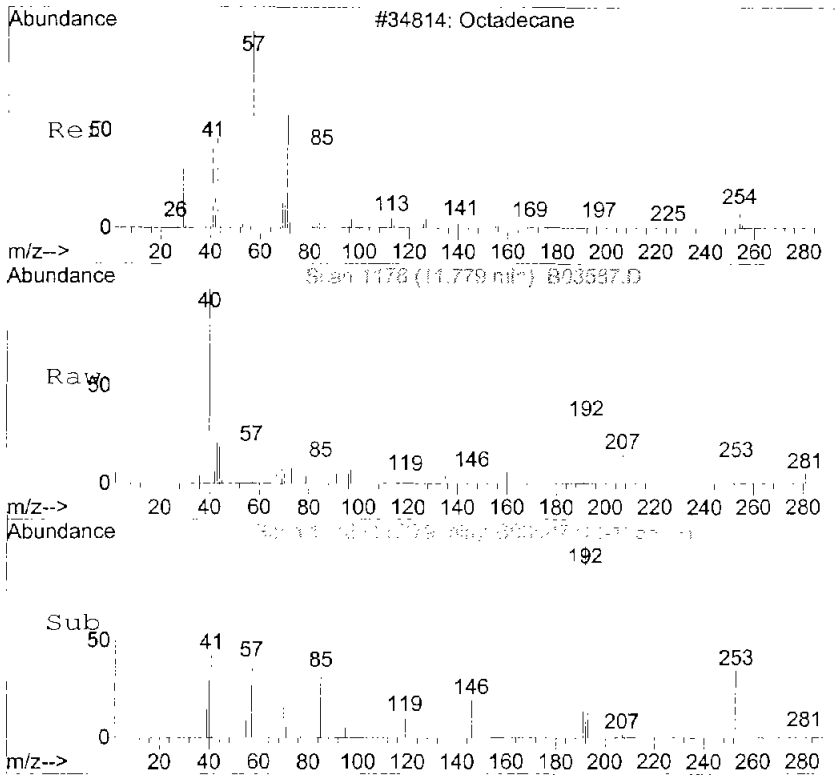


#68
Phenanthrene
Concen: 7.92 ug/L
RT: 11.93 min Scan# 1193
Delta R.T. -0.00 min
Lab File: B03587.D
Acq: 30 Nov 2004 22:33

Tgt Ion:178 Resp: 340

Ion	Ratio	Lower	Upper
178	100		
152	0.0	0.0	64.8

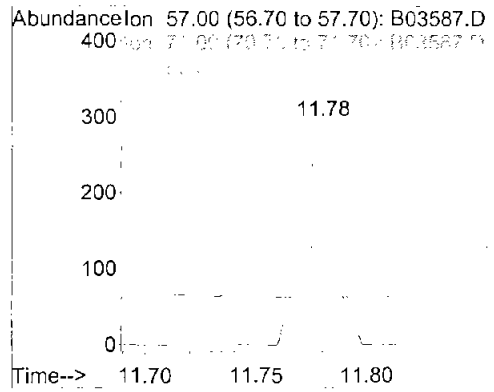


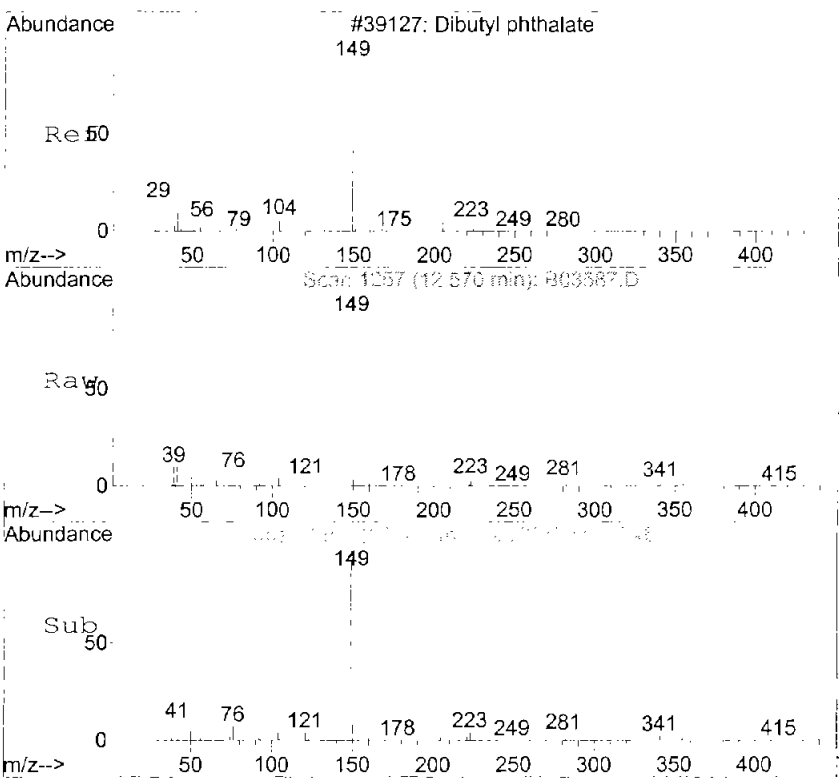


#70
Octadecane
Concen: 16.26 ug/L
RT: 11.78 min Scan# 1178
Delta R.T. 0.03 min
Lab File: B03587.D
Acq: 30 Nov 2004 22:33

Tgt Ion: 57 Resp: 251

Ion	Ratio	Lower	Upper
57	100		
71	0.0	26.4	106.4#
85	0.0	20.4	100.4#

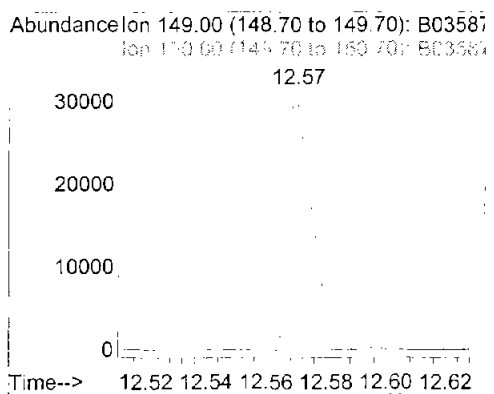


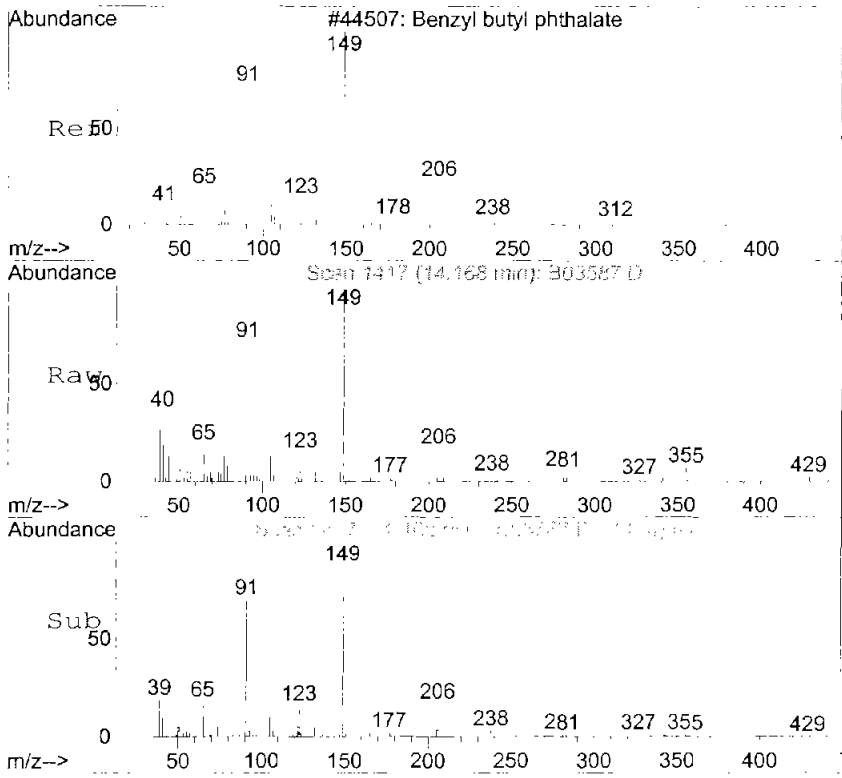


#72
Di-n-butylphthalate
Concen: 622.14 ug/L
RT: 12.57 min Scan# 1257
Delta R.T. 0.01 min
Lab File: B03587.D
Acq: 30 Nov 2004 22:33

Tgt Ion:149 Resp: 30249

Ion	Ratio	Lower	Upper
149	100		
150	7.7	0.0	50.0

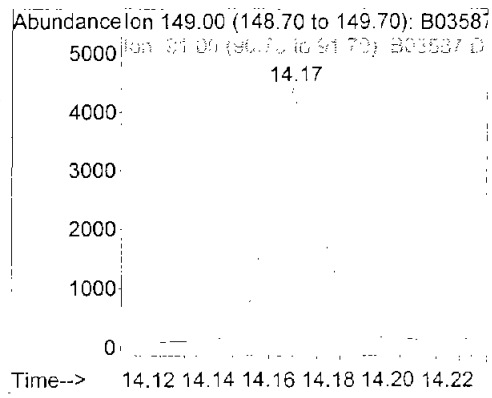


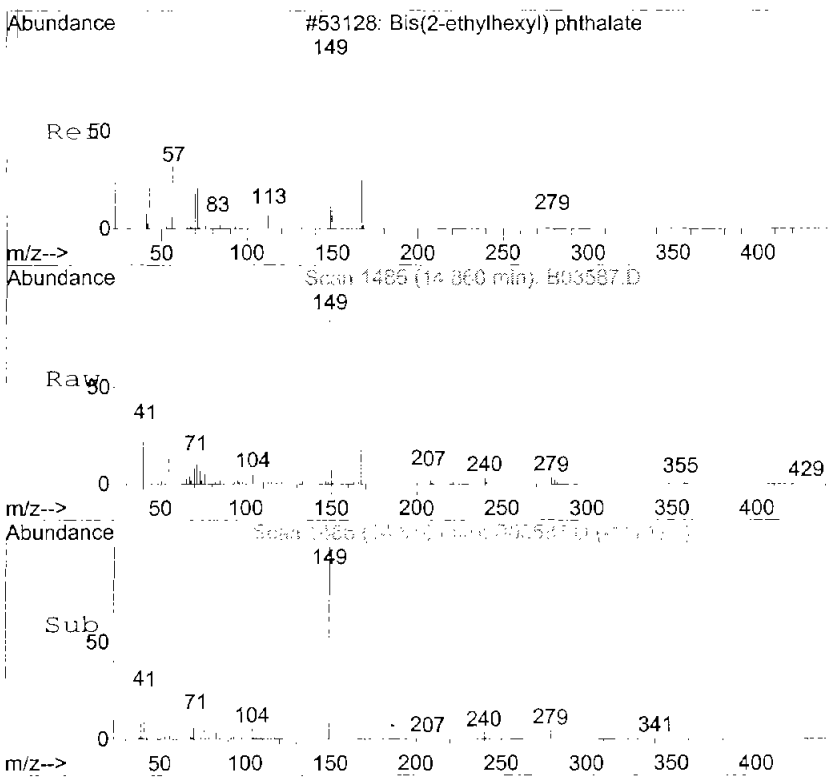


#78
Butylbenzylphthalate
Concen: 187.09 ug/L
RT: 14.17 min Scan# 1417
Delta R.T. 0.03 min
Lab File: B03587.D
Acq: 30 Nov 2004 22:33

Tgt Ion:149 Resp: 4709

Ion	Ratio	Lower	Upper
149	100		
91	75.5	45.0	125.0

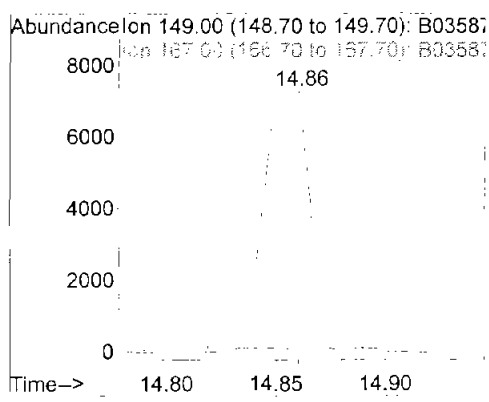


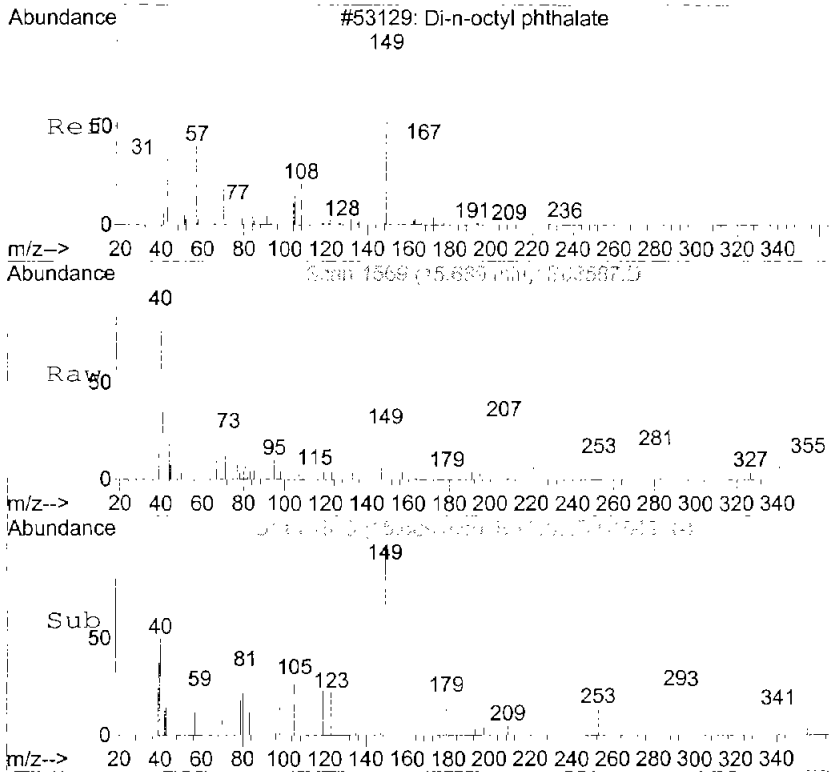


#82
bis(2-Ethylhexyl)phthalate
Concen: 257.94 ug/L
RT: 14.86 min Scan# 1486
Delta R.T. 0.02 min
Lab File: B03587.D
Acq: 30 Nov 2004 22:33

Tgt Ion:149 Resp: 10485

Ion	Ratio	Lower	Upper
149	100		
167	20.2	0.0	62.6

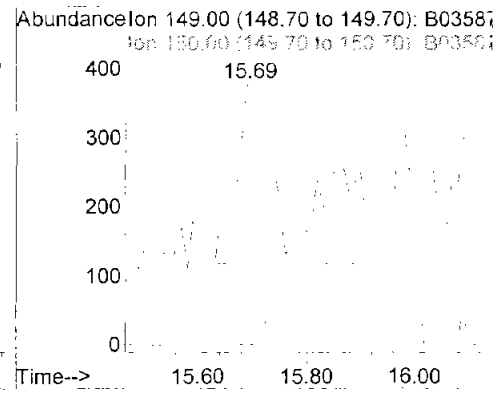




#84
Di-n-octylphthalate
Concen: 29.17 ug/L
RT: 15.69 min Scan# 1569
Delta R.T. 0.00 min
Lab File: B03587.D
Acq: 30 Nov 2004 22:33

Tgt Ion:149 Resp: 2134

Ion	Ratio	Lower	Upper
149	100		
150	0.0	0.0	50.0



INITIAL CALIBRATION

00628

Response Factor Report

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:52:51 2004
Response via : Initial Calibration

Calibration Files
50 =B03447.D 100 =B03448.D 200 =B03449.D
500 =B03450.D 20 =B03446.D 1000 =B03451.D

		Compound	50	100	200	500	20	1000	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	----------	ISTD	----------	----------	----------		
2)	T	N-Nitrosodimeth		0.434	0.478	0.263		0.294	0.327#	39.41
3)	T	Pyridine		1.433	1.713	1.479		1.680	1.559#	8.21
4)	S	2 - Fluorophenol		1.077	1.084	1.047		1.088	1.056#	4.01
5)	T	Aniline		0.967	1.082	1.349		1.391	1.315#	16.41
6)	S	Phenol - d5 (S)		1.214	1.285	1.224		1.357	1.247#	5.57
7)	TC	Phenol	1.215	1.347	1.351	1.331		1.510	1.318#	7.11
8)	T	bis(2-Chloroeth		1.570	1.540	1.105		1.408	1.394#	10.92
9)	T	2-Chlorophenol	1.350	1.164	1.269	1.220		1.264	1.247#	4.60
10)	T	Decane	0.715	0.546	0.738	0.666		0.792	0.604#	30.79
11)	T	1,3-Dichloroben	1.110	1.131	1.170	1.112		1.114	1.098#	5.17
12)	TC	1,4-Dichloroben	1.200	1.171	1.201	1.154		1.262	1.185#	3.82
13)	T	Benzyl alcohol	1.656	1.387	1.480	1.692		1.511	1.507#	7.77
14)	T	1,2-Dichloroben	1.091	0.993	0.938	0.989		1.056	0.962#	9.08
15)	T	2-Methylphenol	0.809	0.816	0.933	0.838		0.911	0.854#	6.08
16)	T	bis(2-chloroiso	1.486	1.541	1.378	1.454		1.445	1.387#	8.07
17)	T	3-&4-Methylphen	0.924	0.842	1.014	0.990		0.974	0.943#	7.05
18)	TP	n-Nitroso-di-n-	0.828	0.795	0.791	0.788		0.845	0.800	7.79
19)	T	Hexachloroethan	0.767	0.720	0.675	0.700		0.638	0.659#	10.45
20)	I	Naphthalene - d8 (I)	----------	----------	ISTD	----------	----------	----------		
21)	S	Nitrobenzene -	0.303	0.293	0.314	0.285	0.337	0.257	0.275#	15.74
22)	T	Nitrobenzene		0.242	0.296	0.256		0.230	0.236#	13.71
23)	T	Isophorone	0.376	0.408	0.460	0.412		0.348	0.376#	12.81
24)	TC	2-Nitrophenol	0.098	0.093	0.109	0.122		0.105	0.111#	12.62
25)	T	2,4-Dimethylphe	0.253	0.257	0.272	0.202		0.231	0.242#	9.29
26)	T	bis(2-Chloroeth		0.175	0.171	0.155		0.149	0.159#	7.12
27)	T	Benzoic Acid		0.114	0.104	0.134		0.133	0.133#	15.42
28)	TC	2,4-Dichlorophe	0.215	0.235	0.235	0.228		0.200	0.225#	8.29
29)	T	1,2,4-Trichloro	0.189	0.212	0.208	0.214		0.205	0.199#	5.97
30)	T	Naphthalene	0.831	0.767	0.925	0.823		0.760	0.773#	11.41
31)	T	4-Chloroaniline		0.179	0.220	0.253		0.258	0.245#	14.54
32)	TC	Hexachlorobutad	0.155	0.163	0.164	0.153		0.143	0.146#	11.23
33)	TC	4-Chloro-3-meth	0.416	0.424	0.445	0.463		0.369	0.393#	12.84
34)	T	2-Methylnaphtha	0.326	0.407	0.389	0.386	0.392	0.346	0.356#	10.78
35)	T	1-Methylnaphtha	0.378	0.428	0.438	0.444	0.363	0.322	0.367#	16.10
36)	I	Acenaphthene - d10 (I	----------	----------	ISTD	----------	----------	----------		
37)	TP	Hexachlorocyclo	0.564	0.457	0.496	0.477		0.419	0.468	9.73
38)	T	2,3-Dichloroani	0.478	0.355	0.426	0.411		0.460	0.463#	13.54
39)	TC	2,4,6-Trichloro	0.272	0.221	0.220	0.201		0.183	0.194#	22.90
40)	T	2,4,5-Trichloro	0.249	0.266	0.255	0.233		0.228	0.251#	6.95
41)	S	2 - Fluorobiphe	0.891	0.711	0.878	0.747	0.800	0.731	0.770#	9.34
42)	T	2-Chloronaphtha	0.665	0.590	0.721	0.552	0.512	0.548	0.567#	14.16
43)	T	Biphenyl	1.095	0.940	1.162	0.970	0.823	0.907	1.016#	11.19
44)	T	2-Nitroaniline	0.217	0.178	0.203	0.155		0.182	0.197#	7.40
45)	T	Dimethylphthala	0.995	0.800	1.040	0.983		0.869	0.934#	8.66
46)	T	Acenaphthylene	1.411	1.285	1.370	1.086	1.214	1.157	1.235#	8.18
47)	T	2,6-Dinitrotolu	0.216	0.178	0.169	0.150		0.130	0.153#	23.21
48)	T	3-Nitroaniline		0.138	0.183	0.146		0.150	0.157#	11.60
49)	TC	Acenaphthene	0.947	0.830	0.909	0.858		0.767	0.823#	9.51
50)	TP	2,4-Dinitrophen		0.191	0.206	0.184		0.152	0.172	13.01
51)	TP	4-Nitrophenol		0.148	0.142	0.089		0.078	0.097	39.99
52)	T	Dibenzofuran	0.937	0.834	0.956	0.826		0.810	0.851#	7.59
53)	T	2,4-Dinitrotolu		0.234	0.268	0.235		0.220	0.235#	8.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:52:51 2004
Response via : Initial Calibration

Calibration Files
50 =B03447.D 100 =B03448.D 200 =B03449.D
500 =B03450.D 20 =B03446.D 1000 =B03451.D

		Compound	50	100	200	500	20	1000	Avg	%RSD
54)	T	2,3,4,6-Tetrach		0.212	0.287	0.232		0.230	0.246#	9.77
55)	T	2,3,5,6-Tetrach		0.265	0.258	0.228		0.260	0.249#	6.54
56)	T	Diethylphthalat		0.829	0.846	0.736		0.617	0.667#	20.79
57)	T	Fluorene	0.977	0.760	0.855	0.876	0.718	0.793	0.891#	13.63
58)	T	4-Chlorophenylp		0.525	0.542	0.516		0.454	0.494#	7.53
59)	T	4-Nitroaniline		0.139	0.148	0.126		0.137	0.136#	5.35
60)	I	Phenanthrene - d10 (I	----------ISTD----------							
61)	T	4,6-Dinitro-2-m		0.131	0.147	0.134		0.147	0.146#	7.70
62)	T	n-Nitrosodiphen	0.460	0.403	0.420	0.404		0.424	0.447#	9.66
63)	S	2,4,6 - Tribrom	0.196	0.180	0.187	0.184		0.183	0.191#	4.99
64)	T	1,2-Diphenylhyd		0.143	0.165	0.127		0.164	0.161#	12.51
65)	T	4-Bromophenylph		0.291	0.286	0.265		0.257	0.276#	4.73
66)	T	Hexachlorobenze	0.280	0.242	0.240	0.202		0.221	0.230#	10.34
67)	TC	Pentachlorophen		0.157	0.169	0.159		0.155	0.162#	5.71
68)	T	Phenanthrene	0.817	0.768	0.726	0.656	0.678	0.706	0.735#	7.00
69)	T	Anthracene	0.817	0.695	0.802	0.756	0.757	0.794	0.784#	5.45
70)	T	Octadecane	0.287	0.249	0.256	0.229		0.286	0.264#	7.68
71)	T	Carbazole		0.750	0.705	0.700		0.652	0.682#	5.50
72)	T	Di-n-butylphtha		0.963	0.973	0.827		0.794	0.832#	12.6[illegible]
73)	TC	Fluoranthene	1.098	0.955	1.017	0.937	1.096	0.938	0.978#	8.16
74)	T	Pyrene	1.080	0.954	1.146	0.917	1.062	0.944	0.995#	8.74
75)	T	Benzidine		0.414	0.479	0.426		0.526	0.507#	13.93
76)	S	p - Terphenyl -	0.874	0.949	0.813	0.743	1.011	0.808	0.853#	9.58
77)	I	Chrysene - d12 (I)	----------ISTD----------							
78)	T	Butylbenzylphth		0.370	0.330	0.302		0.269	0.293#	14.88
79)	T	Benzo(a)anthrac	0.671	0.690	0.709	0.629	0.568	0.624	0.652#	6.33
80)	T	3,3'-Dichlorobe		0.221	0.245	0.222		0.251	0.247#	7.84
81)	T	Chrysene	0.623	0.582	0.606	0.550	0.595	0.578	0.588#	4.20
82)	T	bis(2-Ethylhexy		0.564	0.523	0.505		0.491	0.473#	14.08
83)	I	Perylene - d12 (I)	----------ISTD----------							
84)	TC	Di-n-octylphtha		0.889	0.836	0.773		0.741	0.767#	9.[illegible]
85)	T	Benzofluoranthe	0.626	0.656	0.634	0.601	0.625	0.593	0.621#	3.[illegible]
86)	TC	Benzo(a)pyrene	0.592	0.617	0.574	0.578	0.547	0.564	0.58[illegible]#	4.00
87)	T	Indeno(1,2,3-cd	0.643	0.725	0.714	0.721	0.617	0.611	0.6[illegible]1#	7.[illegible]
88)	T	Dibenz(a,h)anth	0.596	0.654	0.614	0.616	0.493	0.616	0.614#	8.1[illegible]
89)	T	Benzo(g,h,i)per	0.570	0.649	0.614	0.614	0.464	0.608	0.598#	9.1[illegible]

(#) = Out of Range ### Number of calibration levels exceeded format ###
111604.M Wed Nov 17 09:56:07 2004 Page 2

45301

00630

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03446.D Vial: 0
Acq On : 15 Nov 2004 15:43 Operator: CLZ
Sample : 20 UG/L 8270 ICAL STD NO 1281-1-1 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:19:36 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:19:32 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.58	152	49968	1000.00	ug/L	-0.01
20) Naphthalene - d8 (I)	8.27	136	227413	1000.00	ug/L	-0.02
36) Acenaphthene - d10 (I)	10.28	162	154663	1000.00	ug/L	0.00
60) Phenanthrene - d10 (I)	11.87	188	214688	1000.00	ug/L	-0.02
77) Chrysene - d12 (I)	14.80	240	359742+	1000.00	ug/L	-0.03
83) Perylene - d12 (I)	17.05	264	390564+	1000.00	ug/L	-0.04
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.34	112	999	17.87	ug/L	0.00
6) Phenol - d5 (S)	6.19	99	1373	20.84	ug/L	-0.01
21) Nitrobenzene - d5 (S)	7.40	82	1531	24.03	ug/L	-0.05
41) 2 - Fluorobiphenyl (S)	9.55	172	2474	18.98	ug/L	0.00
63) 2,4,6 - Tribromophenol (S)	11.15	330	891	23.13	ug/L	-0.02
76) p - Terphenyl - d14 (S)	13.60	244	4341	22.35	ug/L	0.00
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.14	42	561	33.62	ug/L #	1
5) Aniline	6.18	93	750	11.38	ug/L	100
7) Phenol	6.21	94	1511	21.25	ug/L	35
8) bis(2-Chloroethyl)ether	6.30	63	1705	23.72	ug/L #	52
9) 2-Chlorophenol	6.32	128	1212	18.13	ug/L	43
10) Decane	6.45	57	889	25.55	ug/L	32
11) 1,3-Dichlorobenzene	6.52	146	893	16.21	ug/L	68
12) 1,4-Dichlorobenzene	6.60	146	1414	23.29	ug/L #	1
13) Benzyl alcohol	6.88	79	1700	21.60	ug/L #	43
14) 1,2-Dichlorobenzene	6.87	146	1016	21.40	ug/L #	27
15) 2-Methylphenol	7.07	108	879	19.25	ug/L	79
16) bis(2-chloroisopropyl)ethe	7.10	45	1350	19.14	ug/L #	1
17) 3-&4-Methylphenol	7.27	108	1871	33.65	ug/L	72
18) n-Nitroso-di-n-propylamine	7.29	70	843	18.80	ug/L #	11
19) Hexachloroethane	7.29	117	1141	34.11	ug/L #	1
22) Nitrobenzene	7.43	77	1228	22.85	ug/L	94
23) Isophorone	7.78	82	1397	16.59	ug/L	1[illegible]
25) 2,4-Dimethylphenol	7.94	107	1245	28.75	ug/L	[illegible]
26) bis(2-Chloroethoxy)methane	8.06	93	753	20.44	ug/L #	7[illegible]
27) Benzoic Acid	8.20	105	134	5.20	ug/L	100
28) 2,4-Dichlorophenol	8.13	162	1062	20.03	ug/L #	65
29) 1,2,4-Trichlorobenzene	8.23	180	992	21.50	ug/L	100
30) Naphthalene	8.29	128	3918	21.46	ug/L	57
31) 4-Chloroaniline	8.42	127	973	17.36	ug/L	100
32) Hexachlorobutadiene	8.53	225	763	24.26	ug/L #	34
33) 4-Chloro-3-methylphenol	8.99	107	3556+	39.14	ug/L	75
34) 2-Methylnaphthalene	9.11	141	1784	20.72	ug/L	91
35) 1-Methylnaphthalene	9.23	141	1652	18.23	ug/L	94
37) Hexachlorocyclopentadiene	9.37	237	1370	19.58	ug/L	100
38) 2,3-Dichloroaniline	9.47	161	1125	14.72	ug/L	53
39) 2,4,6-Trichlorophenol	9.46	196	514	18.58	ug/L #	58
40) 2,4,5-Trichlorophenol	9.50	196	664	16.84	ug/L	91
42) 2-Chloronaphthalene	9.65	162	1584	16.91	ug/L	54
43) Biphenyl	9.64	154	2547	15.18	ug/L	78
44) 2-Nitroaniline	9.81	138	614	19.67	ug/L #	1[illegible]
45) Dimethylphthalate	10.05	163	2351	16.29	ug/L	100
46) Acenaphthylene	10.11	152	3756	18.15	ug/L	72
47) 2,6-Dinitrotoluene	10.11	165	690	27.75	ug/L	98

(#) = qualifier out of range (m) = manual integration

Data File : U:\DATA\111504\B03446.D Vial: 0
Acq On : 15 Nov 2004 15:43 Operator: CLZ
Sample : 20 UG/L 8270 ICAL STD NO 1281-1-1 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:19:36 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:19:32 2004
Response via : Initial Calibration
DataAcq Meth :

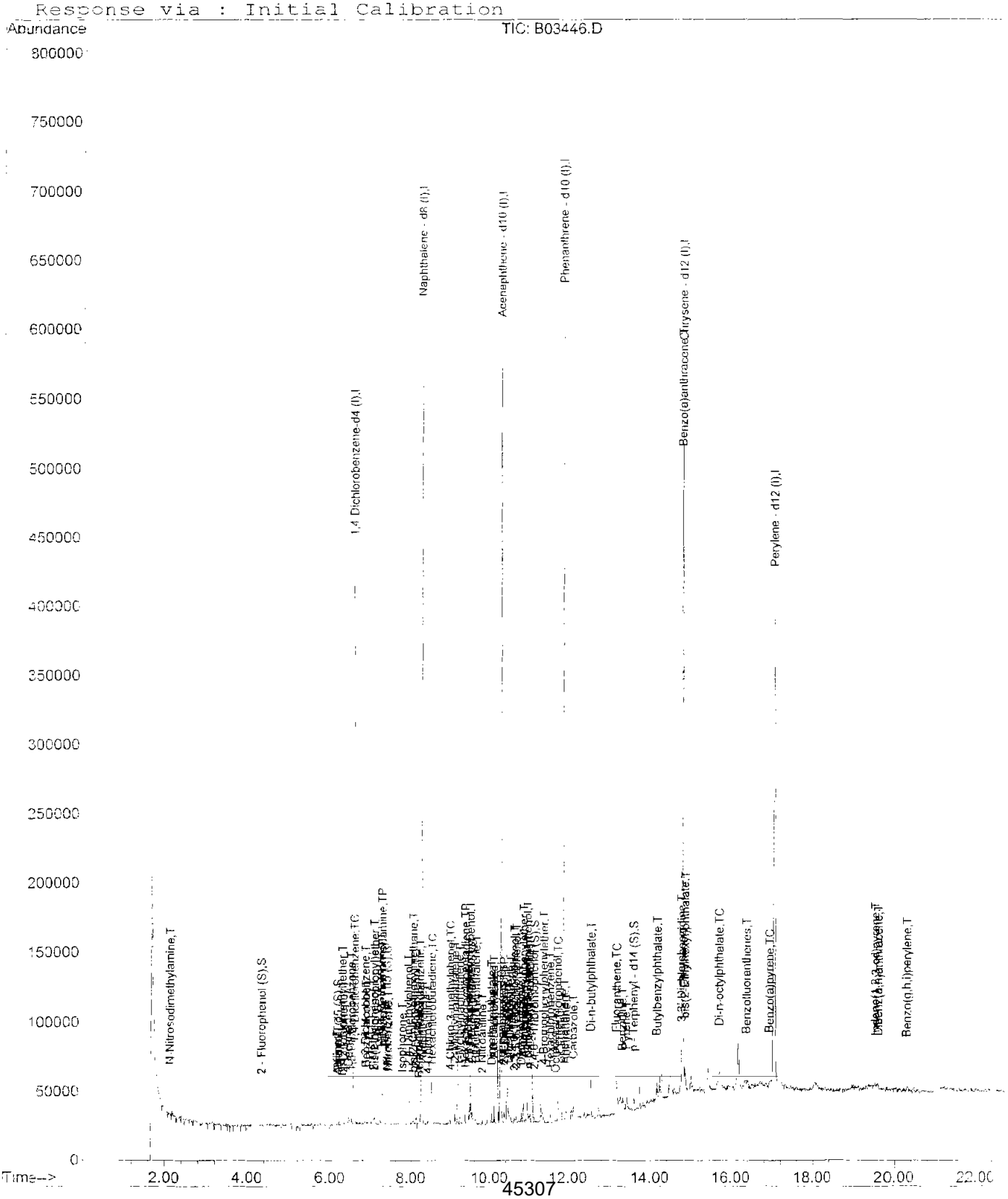
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
49)	Acenaphthene	10.31	153	2766	20.28	ug/L		100
50)	2,4-Dinitrophenol	10.37	184	2776+	119.74	ug/L		97
51)	4-Nitrophenol	10.44	109	2142	175.42	ug/L		83
52)	Dibenzofuran	10.49	168	2562	17.13	ug/L		91
53)	2,4-Dinitrotoluene	10.54	165	1095	28.65	ug/L		89
54)	2,3,4,6-Tetrachlorophenol	10.62	232	616	16.03	ug/L		70
55)	2,3,5,6-Tetrachlorophenol	10.68	232	650	17.71	ug/L	#	70
56)	Diethylphthalate	10.81	149	3236	27.64	ug/L		97
57)	Fluorene	10.86	166	2221	13.92	ug/L		88
58)	4-Chlorophenylphenylether	10.87	204	1687	20.56	ug/L		86
61)	4,6-Dinitro-2-methylphenol	10.97	198	3125	103.97	ug/L		92
62)	n-Nitrosodiphenylamine	11.00	169	2029	18.35	ug/L		79
64)	1,2-Diphenylhydrazine	11.04	182	612	19.08	ug/L	#	46
65)	4-Bromophenylphenylether	11.39	248	1299	21.84	ug/L		85
66)	Hexachlorobenzene	11.55	284	1036	21.23	ug/L	#	48
67)	Pentachlorophenol	11.74	266	991	40.32	ug/L		100
68)	Phenanthrene	11.90	178	2913	17.10	ug/L		93
69)	Anthracene	[illegible]	178	3251	18.28	ug/L		97
70)	Octadecane	11.68	57	226	3.68	ug/L	#	18
71)	Carbazole	12.12	167	3109	19.76	ug/L		99
72)	Di-n-butylphthalate	12.55	149	5658	29.71	ug/L	#	73
73)	Fluoranthene	13.18	202	4707	21.38	ug/L	#	89
74)	Pyrene	13.42	202	4561	20.78	ug/L		82
75)	Benzidine	13.32	184	6812	66.06	ug/L		100
78)	Butylbenzylphthalate	14.17	149	5384	51.70	ug/L		91
79)	Benzo(a)anthracene	14.78	228	4087	17.02	ug/L		35
80)	3,3'-Dichlorobenzidine	14.76	252	1964	20.39	ug/L		40
81)	Chrysene	14.83	228	4281	19.10	ug/L		68
82)	bis(2-Ethylhexyl)phthalate	14.86	149	5933	34.23	ug/L		90
84)	Di-n-octylphthalate	15.71	149	8200	28.21	ug/L		82
85)	Benzofluoranthenes	16.37	252	9761	38.86	ug/L		68
86)	Benzo(a)pyrene	16.94	252	4269	18.02	ug/L		100
87)	Indeno(1,2,3-cd)pyrene	19.56	276	4817	16.42	ug/L		63
88)	Dibenz(a,h)anthracene	19.62	278	3851	14.74	ug/L		87
89)	Benzo(g,h,i)perylene	20.31	276	3625	14.22	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03446.D Vial: 0
Acq On : 15 Nov 2004 15:43 Operator: CLZ
Sample : 20 UG/L 8270 ICAL STD NO 1281-1-1 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:19 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration



Data File : U:\DATA\111504\B03447.D Vial: 0
Acq On : 15 Nov 2004 16:11 Operator: CLZ
Sample : 50 UG/L 8270 ICAL STD NO 1281-1-2 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:21:03 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:21:00 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.58	152	51572	1000.00 ug/L	-0.01
20) Naphthalene - d8 (I)	8.28	136	228563	1000.00 ug/L	-0.01
36) Acenaphthene - d10 (I)	10.29	162	122513	1000.00 ug/L	0.01
60) Phenanthrene - d10 (I)	11.88	188	187073	1000.00 ug/L	0.00
77) Chrysene - d12 (I)	14.82	240	276049+	1000.00 ug/L	-0.01
83) Perylene - d12 (I)	17.08	264	301956+	1000.00 ug/L	-0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.33	112	2467	42.75 ug/L	0.00
6) Phenol - d5 (S)	6.19	99	5308	46.66 ug/L	-0.01
21) Nitrobenzene - d5 (S)	7.41	82	3468	54.27 ug/L	-0.04
41) 2 - Fluorobiphenyl (S)	9.36	172	5456	52.99 ug/L	0.00
63) 2,4,6 - Tribromophenol (S)	11.15	330	1936	54.69 ug/L	-0.02
76) p - Terphenyl - d14 (S)	13.60	244	8175	48.60 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.19	42	5522	320.63 ug/L	100
3) Pyridine	2.28	79	17403-	216.22 ug/L	96
5) Aniline	6.18	93	2311	33.97 ug/L	100
7) Phenol	6.21	94	3132	42.68 ug/L	46
8) bis(2-Chloroethyl)ether	6.30	63	3511	47.32 ug/L	100
9) 2-Chlorophenol	6.32	128	3480	50.45 ug/L	88
10) Decane	6.46	57	1843	51.32 ug/L	75
11) 1,3-Dichlorobenzene	6.52	146	2861	50.33 ug/L	94
12) 1,4-Dichlorobenzene	6.61	146	3095	49.40 ug/L #	39
13) Benzyl alcohol	6.87	79	4271	52.57 ug/L	91
14) 1,2-Dichlorobenzene	6.87	146	2813	57.41 ug/L	81
15) 2-Methylphenol	7.07	108	2086	44.26 ug/L	76
16) bis(2-chloroisopropyl)ethe	7.10	45	3833	52.66 ug/L	44
17) 3-&4-Methylphenol	7.28	108	4765	83.48 ug/L	76
18) n-Nitroso-di-n-propylamine	7.29	70	2136	46.15 ug/L	83
19) Hexachloroethane	7.29	117	1977	57.25 ug/L	76
22) Nitrobenzene	7.43	77	2870	53.14 ug/L	71
23) Isophorone	7.77	82	4293	50.74 ug/L	100
24) 2-Nitrophenol	7.85	139	1124	44.70 ug/L	68
25) 2,4-Dimethylphenol	7.84	107	2891	60.14 ug/L	98
26) bis(2-Chloroethoxy methane	8.06	93	1331	35.95 ug/L #	97
27) Benzoic Acid	8.28	105	928	31.89 ug/L	100
28) 2,4-Dichlorophenol	8.14	162	2453	46.03 ug/L	86
29) 1,2,4-Trichlorobenzene	8.23	180	2163	46.69 ug/L	100
30) Naphthalene	8.30	128	9501	51.79 ug/L	83
31) 4-Chloroaniline	8.42	127	2052	36.43 ug/L	100
32) Hexachlorobutadiene	8.54	225	1768	55.93 ug/L #	34
33) 4-Chloro-3-methylphenol	8.99	107	4750+	52.02 ug/L	96
34) 2-Methylnaphthalene	9.11	141	3726	43.65 ug/L	95
35) 1-Methylnaphthalene	9.23	141	4323	50.28 ug/L	89
37) Hexachlorocyclopentadiene	9.38	237	3455	62.35 ug/L	99
38) 2,3-Dichloroaniline	9.48	161	2926	48.34 ug/L	89
39) 2,4,6-Trichlorophenol	9.47	196	1668	76.10 ug/L #	57
40) 2,4,5-Trichlorophenol	9.51	196	1525	48.83 ug/L	93
42) 2-Chloronaphthalene	9.65	162	4072	56.32 ug/L	68
43) Biphenyl	9.65	154	6705	50.46 ug/L	80
44) 2-Nitroaniline	9.81	138	1332	53.86 ug/L	81
45) Dimethylphthalate	10.05	163	6097	53.33 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03447.D Vial: 0
Acq On : 15 Nov 2004 16:11 Operator: CLZ
Sample : 50 UG/L 8270 ICAL STD NO 1281-1-2 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:21:03 2004 Quant Results File: 111604.RES

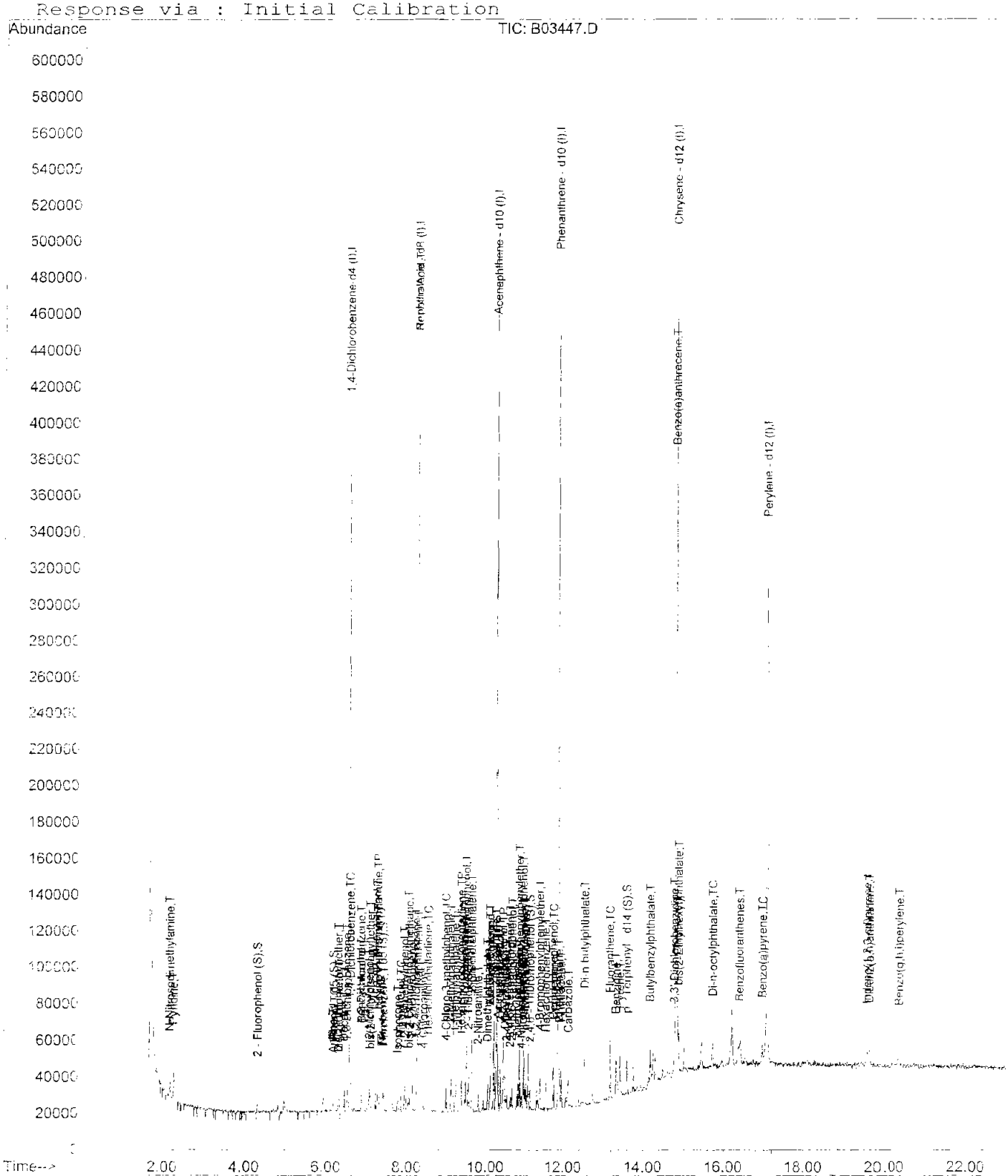
Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:21:00 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Acenaphthylene	10.12	152	8641	54.07	ug/L		96
47)	2,6-Dinitrotoluene	10.12	165	1322	67.11	ug/L		91
48)	3-Nitroaniline	10.27	138	893	45.22	ug/L	#	1
49)	Acenaphthene	10.32	153	5800	53.69	ug/L		100
50)	2,4-Dinitrophenol	10.38	184	4959+	270.03	ug/L		97
51)	4-Nitrophenol	10.45	109	4264	440.84	ug/L		86
52)	Dibenzofuran	10.50	168	5740	48.46	ug/L		84
53)	2,4-Dinitrotoluene	10.54	165	2030	67.05	ug/L		79
54)	2,3,4,6-Tetrachlorophenol	10.63	232	1230	40.41	ug/L		87
55)	2,3,5,6-Tetrachlorophenol	10.68	232	1584	54.50	ug/L		86
56)	Diethylphthalate	10.82	149	5481	59.09	ug/L		99
57)	Fluorene	10.87	166	5987	49.06	ug/L		93
58)	4-Chlorophenylphenylether	10.88	204	4053	62.37	ug/L		91
59)	4-Nitroaniline	10.93	138	846	51.05	ug/L		63
61)	4,6-Dinitro-2-methylphenol	10.98	198	6475	247.22	ug/L		88
62)	n-Nitrosodiphenylamine	11.01	169	4301	44.64	ug/L		90
64)	1,2-Diphenylhydrazine	11.04	182	1482	53.01	ug/L	#	51
65)	4-Bromophenylphenylether	11.40	248	2890	55.75	ug/L		90
66)	Hexachlorobenzene	11.55	284	2619	61.58	ug/L		84
67)	Pentachlorophenol	11.74	266	1339	62.47	ug/L		100
68)	Phenanthrene	11.90	178	7640	54.07	ug/L		91
69)	Anthracene	11.95	178	7642	49.38	ug/L		88
70)	Octadecane	11.75	57	2661	53.11	ug/L		78
71)	Carbazole	12.12	167	7358	52.93	ug/L		99
72)	Di-n-butylphthalate	12.55	149	[illegible]	[illegible]	ug/L		95
73)	Fluoranthene	13.19	202	10267	52.51	ug/L		80
74)	Pyrene	13.43	202	10094	50.93	ug/L		95
75)	Benzidine	13.33	184	15297	171.28	ug/L		100
78)	Butylbenzylphthalate	14.18	149	6161	47.19	ug/L		91
79)	Benzo(a)anthracene	14.80	228	9267	50.36	ug/L		68
80)	3,3'-Dichlorobenzidine	14.77	252	3296	44.59	ug/L		90
81)	Chrysene	14.85	228	8595	49.99	ug/L		78
82)	bis(2-Ethylhexyl)phthalate	14.88	149	10628	79.91	ug/L		94
84)	Di-n-octylphthalate	15.74	149	14617	65.05	ug/L		94
85)	Benzofluoranthenes	16.40	252	18891	96.31	ug/L		77
86)	Benzo(a)pyrene	16.97	252	8940	49.44	ug/L		100
87)	Indeno(1,2,3-cd)pyrene	19.59	276	9703	43.19	ug/L		85
88)	Dibenz(a,h)anthracene	19.64	278	8995	45.88	ug/L		99
89)	Benzo(g,h,i)perylene	20.34	276	8604	45.49	ug/L		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : U:\DATA\111504\B03447.D Vial: 0
Acq On : 15 Nov 2004 16:11 Operator: CLZ
Sample : 50 UG/L 8270 ICAL STD NO 1281-1-2 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:21 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03448.D Vial: 0
Acq On : 15 Nov 2004 16:39 Operator: CLZ
Sample : 100 UG/L 8270 ICAL STD NO 1281-1-3 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINI.P
Quant Time: Nov 17 09:22:09 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:22:03 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.59	152	48998	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.29	136	207282	1000.00 ug/L	0.00
36) Acenaphthene - d10 (I)	10.30	162	132627	1000.00 ug/L	0.02
60) Phenanthrene - d10 (I)	11.89	188	202926	1000.00 ug/L	0.00
77) Chrysene - d12 (I)	14.82	240	309328+	1000.00 ug/L	-0.01
83) Perylene - d12 (I)	17.08	264	338430+	1000.00 ug/L	-0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.34	112	5279	96.28 ug/L	0.00
6) Phenol - d5 (S)	6.20	99	5946	92.06 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.42	82	6064	104.63 ug/L	-0.03
41) 2 - Fluorobiphenyl (S)	9.57	172	9427	84.53 ug/L	0.03
63) 2,4,6 - Tribromophenol (S)	11.16	330	3659	100.48 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.62	244	19265	105.58 ug/L	0.02
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.18	42	10643	650.44 ug/L	92
3) Pyridine	2.26	79	35095+	458.94 ug/L	97
5) Aniline	6.18	93	4740	73.35 ug/L	100
7) Phenol	6.22	94	6600	94.67 ug/L	55
8) bis(2-Chloroethyl)ether	6.31	63	7695	109.16 ug/L	96
9) 2-Chlorophenol	6.33	128	5703	87.01 ug/L	89
10) Decane	6.47	57	2675	78.41 ug/L	72
11) 1,3-Dichlorobenzene	6.53	146	5540	102.58 ug/L	95
12) 1,4-Dichlorobenzene	6.61	146	5736	96.39 ug/L	71
13) Benzyl alcohol	6.88	79	6797	88.06 ug/L	96
14) 1,2-Dichlorobenzene	6.88	146	4866	104.53 ug/L	71
15) 2-Methylphenol	7.08	108	3996	89.24 ug/L	77
16) bis(2-chloroisopropyl)ethe	7.10	45	7553	109.23 ug/L	41
17) m-&4-Methylphenol	7.28	108	8256	152.24 ug/L	67
18) n-Nitroso-di-n-propylamine	7.30	70	3894	88.56 ug/L	91
19) Hexachloroethane	7.30	117	3529	107.55 ug/L	67
22) Nitrobenzene	7.44	77	5018	102.45 ug/L	54
23) Isophorone	7.77	82	8452	110.14 ug/L	100
24) 2-Nitrophenol	7.86	139	1925	84.41 ug/L	62
25) 2,4-Dimethylphenol	7.95	107	5331	122.29 ug/L	98
26) bis(2-Chloroethoxy)methane	8.07	93	3623	107.90 ug/L #	11
27) Benzoic Acid	8.04	105	11767	500.88 ug/L	100
28) 2,4-Dichlorophenol	8.15	162	4875	100.88 ug/L	98
29) 1,2,4-Trichlorobenzene	8.24	180	4396	104.54 ug/L	100
30) Naphthalene	8.31	128	15891	97.03 ug/L	99
31) 4-Chloroaniline	8.43	127	3707	72.58 ug/L	100
32) Hexachlorobutadiene	8.55	225	3378	117.77 ug/L	93
33) 4-Chloro-3-methylphenol	9.00	107	8781-	106.05 ug/L	94
34) 2-Methylnaphthalene	9.12	141	8439	109.01 ug/L	8[illegible]
35) 1-Methylnaphthalene	9.24	141	8863	113.66 ug/L	80
37) Hexachlorocyclopentadiene	9.39	237	6067	101.14 ug/L	95
38) 2,3-Dichloroaniline	9.49	161	4706	71.81 ug/L	76
39) 2,4,6-Trichlorophenol	9.48	196	2926	123.32 ug/L #	59
40) 2,4,5-Trichlorophenol	9.52	196	3790	111.15 ug/L	86
42) 2-Chloronaphthalene	9.66	162	7626	100.02 ug/L	85
43) Biphenyl	9.66	154	12467	96.67 ug/L	96
44) 2-Nitroaniline	9.82	138	2336	87.22 ug/L	87
45) Dimethylphthalate	10.06	163	10608	85.71 ug/L	100

'#' = Qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03448.D Vial: 0
Acq On : 15 Nov 2004 16:39 Operator: CLZ
Sample : 100 UG/L 8270 ICAL STD NO 1281-1-3 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:22:09 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:22:03 2004
Response via : Initial Calibration
DataAcq Meth :

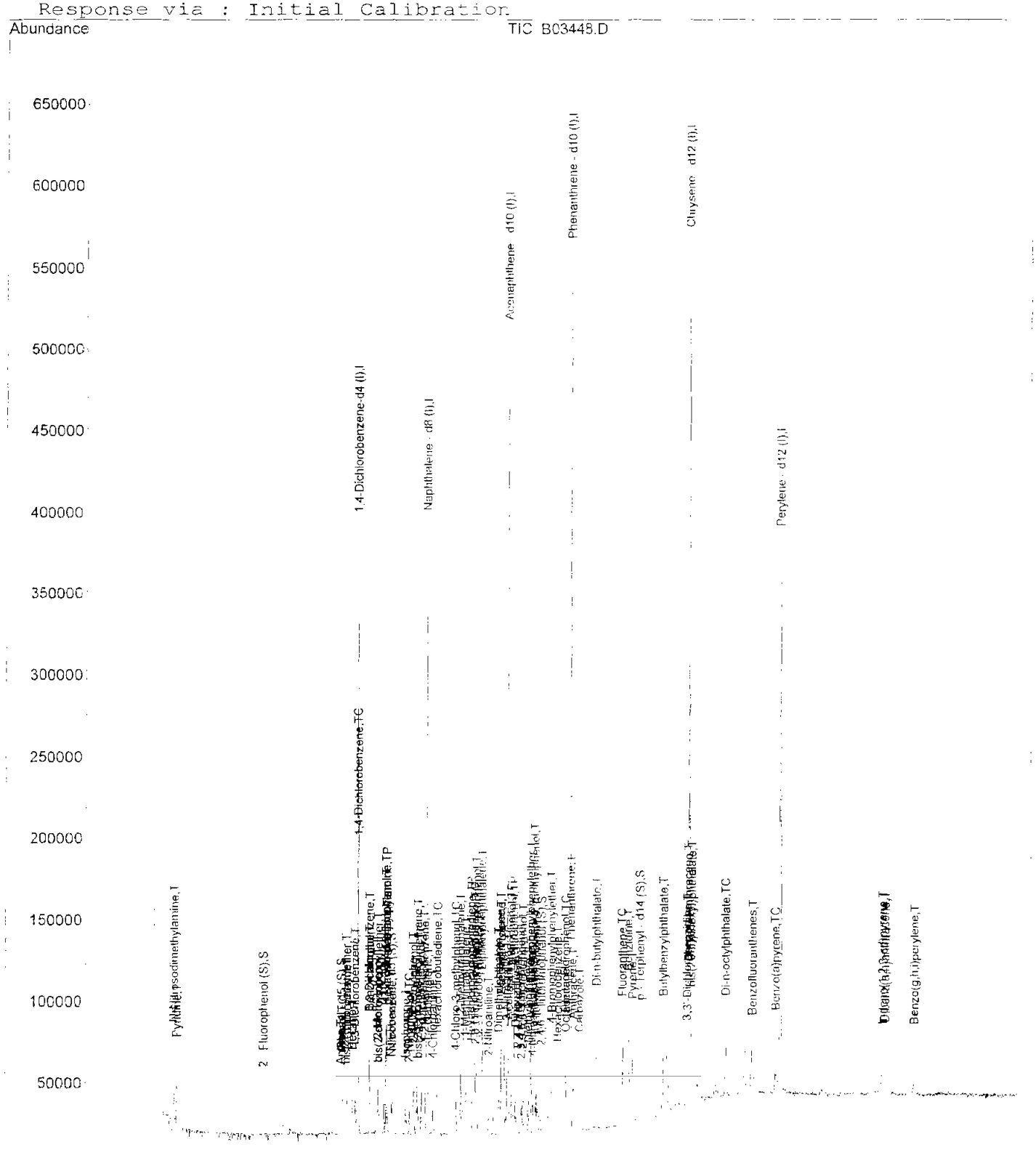
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) Acenaphthylene	10.13	152	16775	96.96	ug/L		95
47) 2,6-Dinitrotoluene	10.13	165	2330	109.27	ug/L		77
48) 5-Nitroaniline	10.28	138	1802	84.28	ug/L	#	6
49) Acenaphthene	10.33	153	11003	94.09	ug/L		100
50) 2,4-Dinitrophenol	10.39	184	12663+	636.95	ug/L		94
51) 4-Nitrophenol	10.46	109	9825	938.31	ug/L		76
52) Dibenzofuran	10.51	168	11066	86.31	ug/L		85
53) 2,4-Dinitrotoluene	10.55	165	3097	94.49	ug/L		96
54) 2,3,4,6-Tetrachlorophenol	10.64	232	2818	85.52	ug/L		96
55) 2,3,5,6-Tetrachlorophenol	10.69	232	3509	111.52	ug/L		90
56) Diethylphthalate	10.83	149	10989	109.44	ug/L		92
57) Fluorene	10.88	166	10075	76.26	ug/L		96
58) 4-Chlorophenylphenylether	10.89	204	6966	99.02	ug/L		89
59) 4-Nitroaniline	10.94	138	1847	102.96	ug/L		78
61) 4,6-Dinitro-2-methylphenol	10.99	198	13322	468.91	ug/L		86
62) n-Nitrosodiphenylamine	11.02	169	8179	78.26	ug/L		88
64) 1,2-Diphenylhydrazine	11.05	182	2897	95.53	ug/L	#	50
65) 4-Bromophenylphenylether	11.41	248	5911	105.12	ug/L		82
66) Hexachlorobenzene	11.56	284	4908	106.39	ug/L		91
67) Pentachlorophenol	11.75	266	3180	136.88	ug/L		100
68) Phenanthrene	11.91	178	15593	101.74	ug/L		98
69) Anthracene	11.96	178	14109	84.04	ug/L		99
70) Octadecane	11.77	57	5043	86.89	ug/L		82
71) Carbazole	12.14	167	15229	102.41	ug/L		98
72) Di-n-butylphthalate	12.56	149	19535	108.53	ug/L		94
73) Fluoranthene	13.20	202	19386	93.14	ug/L		81
74) Pyrene	13.44	202	19354	93.55	ug/L		88
75) Benzidine	13.34	184	41979	430.71	ug/L		100
78) Butylbenzylphthalate	14.19	149	11449	127.86	ug/L		100
79) Benzo(a)anthracene	14.80	228	21347	103.93	ug/L		89
80) 3,3'-Dichlorobenzidine	14.78	252	6827	82.41	ug/L		85
81) Chrysene	14.85	228	18015	93.48	ug/L		88
82) bis(2-Ethylhexyl)phthalate	14.89	149	17433	116.98	ug/L		99
84) Di-n-octylphthalate	15.74	149	30096	119.51	ug/L		97
85) Benzofluoranthenes	16.40	252	44406	206.20	ug/L		79
86) Benzo(a)pyrene	16.97	252	20876	103.01	ug/L		100
87) Indeno(1,2,3-cd)pyrene	19.60	276	24342	97.44	ug/L		91
88) Dibenz(a,h)anthracene	19.65	278	22139	100.72	ug/L		96
89) Benzo(g,h,i)perylene	20.34	276	21964	103.55	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03448.D Vial: 0
Acq On : 15 Nov 2004 16:39 Operator: CLZ
Sample : 100 UG/L 8270 ICAL STD NO 1281-1-3 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:22 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration



00639

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03449.D Vial: 0
Acq On : 15 Nov 2004 17:07 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:22:46 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:22:40 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.59	152	46116	1000.00	ug/L	0.00
20) Naphthalene - d8 (I)	8.29	136	191973	1000.00	ug/L	0.00
36) Acenaphthene - d10 (I)	10.30	162	121718	1000.00	ug/L	0.02
60) Phenanthrene - d10 (I)	11.89	188	186302	1000.00	ug/L	0.00
77) Chrysene - d12 (I)	14.82	240	318383+	1000.00	ul/l	-0.01
83) Perylene - d12 (I)	17.08	264	345867+	1000.00	ug/L	-0.01
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.33	112	9995	201.04	ug/L	0.00
6) Phenol - d5 (S)	6.20	99	11856	199.47	ug/L	0.00
21) Nitrobenzene - d5 (S)	7.42	82	12062	226.11	ug/L	-0.03
41) 2 - Fluorobiphenyl (S)	9.57	172	21375	215.82	ug/L	0.01
63) 2,4,6 - Tribromophenol (S)	11.16	330	6986	206.60	ug/L	0.00
76) p - Terphenyl - d14 (S)	13.62	244	30285	179.65	ug/L	0.01
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.17	42	22059	1521.85	ug/L	83
3) Pyridine	2.23	79	78992+	1152.09	ug/L	100
5) Aniline	6.18	93	9984	166.84	ug/L	100
7) Phenol	6.22	94	12464	197.34	ug/L	95
8) bis(2-Chloroethyl)ether	6.31	63	14207	215.81	ug/L	94
9) 2-Chlorophenol	6.33	128	11706	198.50	ug/L	81
10) Decane	6.46	57	6803	224.68	ug/L	65
11) 1,3-Dichlorobenzene	6.53	146	10791	216.37	ug/L	90
12) 1,4-Dichlorobenzene	6.61	146	11076	202.22	ug/L	94
13) Benzyl alcohol	6.88	79	13646	192.24	ug/L	100
14) 1,2-Dichlorobenzene	6.88	146	8653	204.19	ug/L	65
15) 2-Methylphenol	7.05	108	8608	210.02	ug/L	96
16) bis(2-chloroisopropyl)ethe	7.10	45	12710	202.08	ug/L	21
17) 3-&4-Methylphenol	7.29	108	18707	378.77	ug/L	89
18) n-Nitroso-di-n-propylamine	7.30	70	7293	184.02	ug/L	84
19) Hexachloroethane	7.36	117	6228	208.31	ug/L	78
22) Nitrobenzene	7.44	77	11347	254.41	ug/L	69
23) Isophorone	7.77	82	17660	241.16	ug/L	100
24) 2-Nitrophenol	7.86	139	4180	189.28	ug/L	95
25) 2,4-Dimethylphenol	7.95	107	10447	251.44	ug/L	94
26) bis(2-Chloroethoxy)methane	8.07	93	6584	214.99	ug/L #	23
27) Benzoic Acid	8.05	105	19924	915.72	ug/L	100
28) 2,4-Dichlorophenol	8.15	162	9024	201.51	ug/L	94
29) 1,2,4-Trichlorobenzene	8.24	180	7986	208.48	ug/L	100
30) Naphthalene	8.31	128	35520	238.89	ug/L	97
31) 4-Chloroaniline	8.43	127	8441	182.41	ug/L	100
32) Hexachlorobutadiene	8.53	225	6302	238.16	ug/L	93
33) 4-Chloro-3-methylphenol	9.00	107	17091+	221.26	ug/L	99
34) 2-Methylnaphthalene	9.12	141	14925	209.34	ug/L	85
35) 1-Methylnaphthalene	9.25	141	16823	230.72	ul/l	83
37) Hexachlorocyclopentadiene	9.39	237	12064	220.47	ug/L	99
38) 2,3-Dichloroaniline	9.43	161	10359	175.41	ug/L	96
39) 2,4,6-Trichlorophenol	9.48	196	5355	254.64	ug/L #	63
40) 2,4,5-Trichlorophenol	9.52	196	6219	200.08	ug/L	97
42) 2-Chloronaphthalene	9.67	162	17548	258.03	ug/L	62
43) Biphenyl	9.66	154	28290	222.59	ug/L	88
44) 2-Nitroaniline	9.82	138	4933	199.47	ug/L	75
45) Dimethylphthalate	10.06	163	25323	233.60	ug/L	100

(# = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03449.D Vial: 0
Acq On : 15 Nov 2004 17:07 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:22:46 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:22:40 2004
Response via : Initial Calibration
DataAcq Meth :

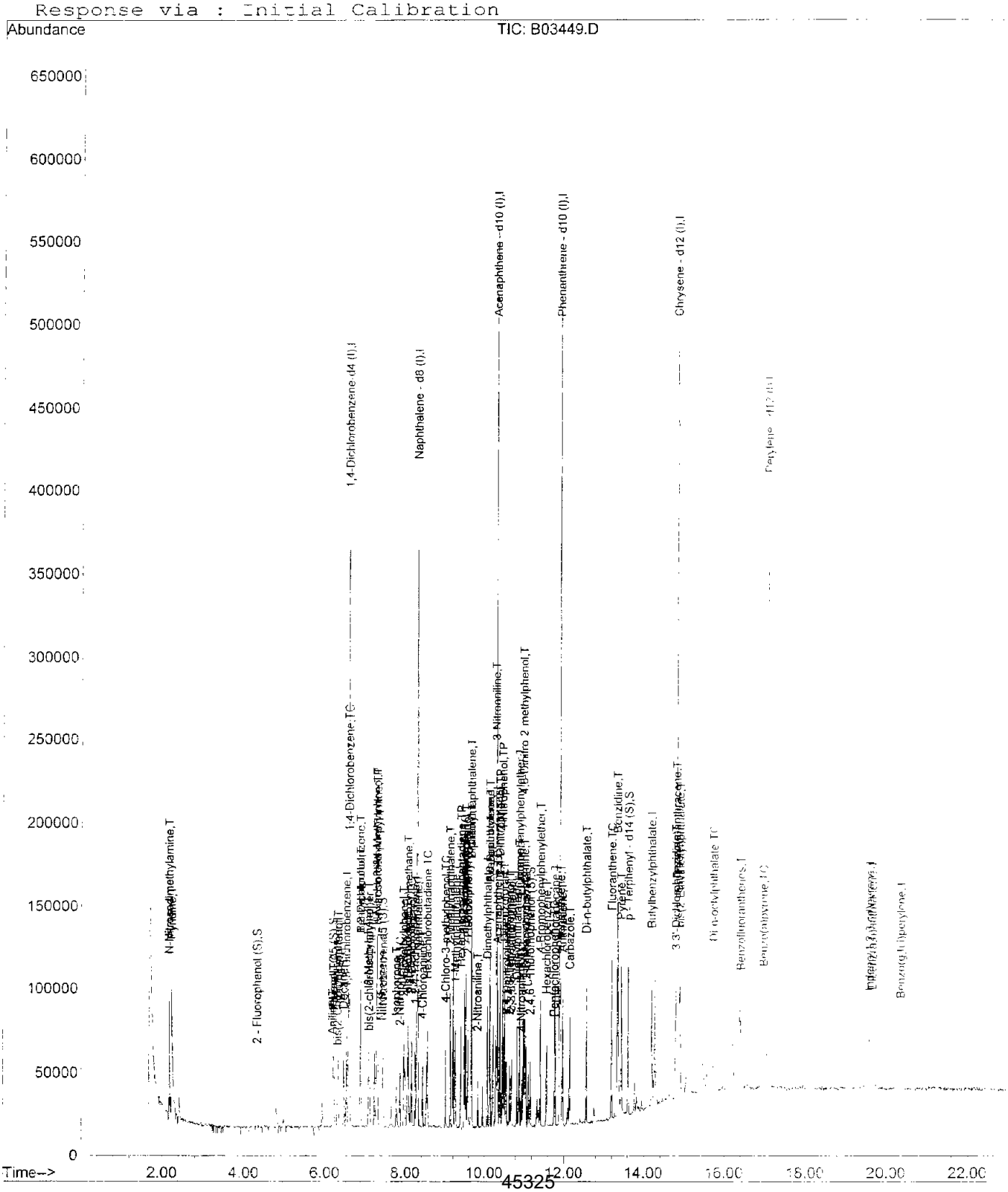
	Compound	R.T.	Qion	Response	Conc	Unit		Qvalue
46)	Acenaphthylene	10.13	152	33359	216.32	ug/L		98
47)	2,6-Dinitrotoluene	10.13	165	4103	216.45	ug/L		76
48)	3-Nitroaniline	10.28	138	4462	227.83	ug/L	#	30
49)	Acenaphthene	10.33	153	22138	212.35	ug/L		100
50)	2,4-Dinitrophenol	10.39	184	25052+	1253.98	ug/L		91
51)	4-Nitrophenol	10.46	109	17281	1653.71	ug/L		84
52)	Dibenzofuran	10.51	168	23276	201.03	ug/L		84
53)	2,4-Dinitrotoluene	10.56	165	6533	219.73	ug/L		80
54)	2,3,4,6-Tetrachlorophenol	10.65	232	6979	237.52	ug/L		97
55)	2,3,5,6-Tetrachlorophenol	10.69	232	6273	211.42	ul/L		94
56)	Diethylphthalate	10.83	149	20593	232.29	ug/L		88
57)	Fluorene	10.88	166	20823	176.03	ug/L		91
58)	4-Chlorophenylphenylether	10.89	204	13205	211.26	ug/L		90
59)	4-Nitroaniline	10.94	138	3611	218.67	ug/L		87
61)	4,6-Dinitro-2-methylphenol	10.99	198	27300	1014.10	ug/L		89
62)	n-Nitrosodiphenylamine	11.02	169	15653	167.38	ug/L		88
64)	1,2-Diphenylhydrazine	11.05	182	6137	220.09	ug/L	#	57
65)	4-Bromophenylphenylether	11.41	248	10674	210.86	ug/L		90
66)	Hexachlorobenzene	11.56	284	8952	208.20	ug/L		94
67)	Pentachlorophenol	11.75	266	6309	268.69	ug/L		100
68)	Phenanthrene	11.91	178	27069	194.90	ug/L		97
69)	Anthracene	11.96	178	29873	199.37	ug/L		98
70)	Octadecane	11.77	57	9544	187.11	ug/L	#	69
71)	Carbazole	12.14	167	26278	192.51	ug/L		99
72)	Di-n-butylphthalate	12.56	149	36257	223.05	ug/L		95
73)	Fluoranthene	13.20	202	37877	200.36	ug/L		86
74)	Pyrene	13.44	202	42684	228.07	ug/L		93
75)	Benzidine	13.34	184	69330	992.98	ug/L		100
78)	Butylbenzylphthalate	14.19	149	21018	226.43	ug/L		93
79)	Benzo(a)anthracene	14.80	228	45125	214.07	ug/L		79
80)	3,3'-Dichlorobenzidine	14.78	252	15621	167.21	ug/L		98
81)	Chrysene	14.85	228	38600	196.78	ug/L		85
82)	bis(2-Ethylhexyl)phthalate	14.89	149	33317	216.37	ug/L		99
84)	Di-n-octylphthalate	15.74	149	57795	220.94	ug/L		99
85)	Benzofluoranthenes	16.40	252	87739	396.30	ug/L		82
86)	Benzo(a)pyrene	16.97	252	39681	190.61	ug/L		100
87)	Indeno(1,2,3-cd)pyrene	19.59	276	49357	193.66	ug/L		90
88)	Dibenz(a,h)anthracene	19.65	278	42447	188.40	ug/L		99
89)	Benzo(g,h,i)perylene	20.35	276	42488	195.18	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed

Data File : U:\DATA\111504\B03449.D Vial: 0
Acq On : 15 Nov 2004 17:07 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:22 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration



Data File : U:\DATA\111504\B03450.D Vial: C
Acq On : 15 Nov 2004 17:35 Operator: CLZ
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 08:54:57 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 08:54:51 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.59	152	46638	1000.00	ug/L	0.00
20) Naphthalene - d8 (I)	8.29	136	188459	1000.00	ug/L	0.00
36) Acenaphthene - d10 (I)	10.30	162	130898	1000.00	ug/L	0.00
60) Phenanthrene - d10 (I)	11.89	188	201681	1000.00	ug/L	0.00
77) Chrysene - d12 (I)	14.83	240	306076+	1000.00	ul/l	0.00
83) Perylene - d12 (I)	17.09	264	320918+	1000.00	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.33	112	24408	459.29	ug/L	0.00
6) Phenol - d5 (S)	6.20	99	28532	458.28	ug/L	0.00
21) Nitrobenzene - d5 (S)	7.41	82	26850	507.03	ug/L	-0.04
41) 2 - Fluorobiphenyl (S)	9.57	172	48870	437.57	ug/L	0.00
61) 2,4,6 - Tribromophenol (S)	11.16	330	18553	515.92	ug/L	0.00
76) p - Terphenyl - d14 (S)	13.62	244	74936	405.40	ug/L	0.02
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.17	42	30688	1822.53	ug/L	100
3) Pyridine	2.21	79	172404+	2243.80	ug/L	98
5) Aniline	6.18	93	31448	507.53	ug/L	100
7) Phenol	6.22	94	31026	460.14	ug/L	95
8) bis(2-Chloroethyl)ether	6.33	63	25768	365.02	ug/L	90
9) 2-Chlorophenol	6.33	128	28459	448.93	ug/L	94
10) Decane	6.46	57	15527	468.07	ug/L	98
11) 1,3-Dichlorobenzene	6.53	146	25940	499.58	ug/L	98
12) 1,4-Dichlorobenzene	6.61	146	26921	469.45	ug/L	98
13) Benzyl alcohol	6.87	79	39449	539.78	ug/L	99
14) 1,2-Dichlorobenzene	6.88	146	23064	512.77	ug/L	93
15) 2-Methylphenol	7.08	108	19552	452.80	ug/L	94
16) bis(2-chloroisopropyl)ethe	7.10	45	33903	509.50	ug/L	39
17) 3-&4-Methylphenol	7.29	108	46172	877.09	ug/L	91
18) n-Nitroso-di-n-propylamine	7.29	70	18376	419.71	ug/L	82
19) Hexachloroethane	7.30	117	16330	512.99	ug/L	73
22) Nitrobenzene	7.44	77	24103	537.72	ug/L	64
23) Isophorone	7.76	82	38866	564.57	ug/L	100
24) 2-Nitrophenol	7.86	139	11464	553.78	ug/L	92
25) 2,4-Dimethylphenol	7.95	107	24678	648.13	ug/L	96
26) bis(2-Chloroethoxy)methane	8.07	93	14613	475.26	ug/L #	17
27) Benzoic Acid	8.08	105	63211	3201.42	ug/L	100
28) 2,4-Dichlorophenol	8.15	162	21467	499.08	ug/L	96
29) 1,2,4-Trichlorobenzene	8.24	180	20134	529.98	ug/L	100
30) Naphthalene	8.31	128	77595	513.22	ug/L	92
31) 4-Chloroaniline	8.43	127	23860	515.07	ug/L	100
32) Hexachlorobutadiene	8.55	225	14385	550.97	ug/L	88
33) 4-Chloro-3-methylphenol	9.00	107	43606+	588.58	ug/L	97
34) 2-Methylnaphthalene	9.12	141	36379	510.48	ug/L	86
35) 1-Methylnaphthalene	9.25	141	41850	575.03	ul/l	84
37) Hexachlorocyclopentadiene	9.39	237	31208	538.47	ug/L	91
38) 2,3-Dichloroaniline	9.49	161	26919	414.40	ug/L	94
39) 2,4,6-Trichlorophenol	9.48	196	13150	560.43	ug/L #	65
40) 2,4,5-Trichlorophenol	9.52	196	15231	452.81	ug/L	98
42) 2-Chloronaphthalene	9.67	162	36151	446.28	ug/L	89
43) Biphenyl	9.66	154	63458	444.82	ug/L	91
44) 2-Nitroaniline	9.62	138	12109	439.23	ug/L	77
45) Dimethylphthalate	10.07	163	64327	554.66	ug/L	100

= qualifier out of range (m) = manual integration

45327

00643

Data File : U:\DATA\111504\B03450.D Vial: 0
Acq On : 15 Nov 2004 17:35 Operator: CLZ
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 08:54:57 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 08:54:51 2004
Response via : Initial Calibration
DataAcq Meth :

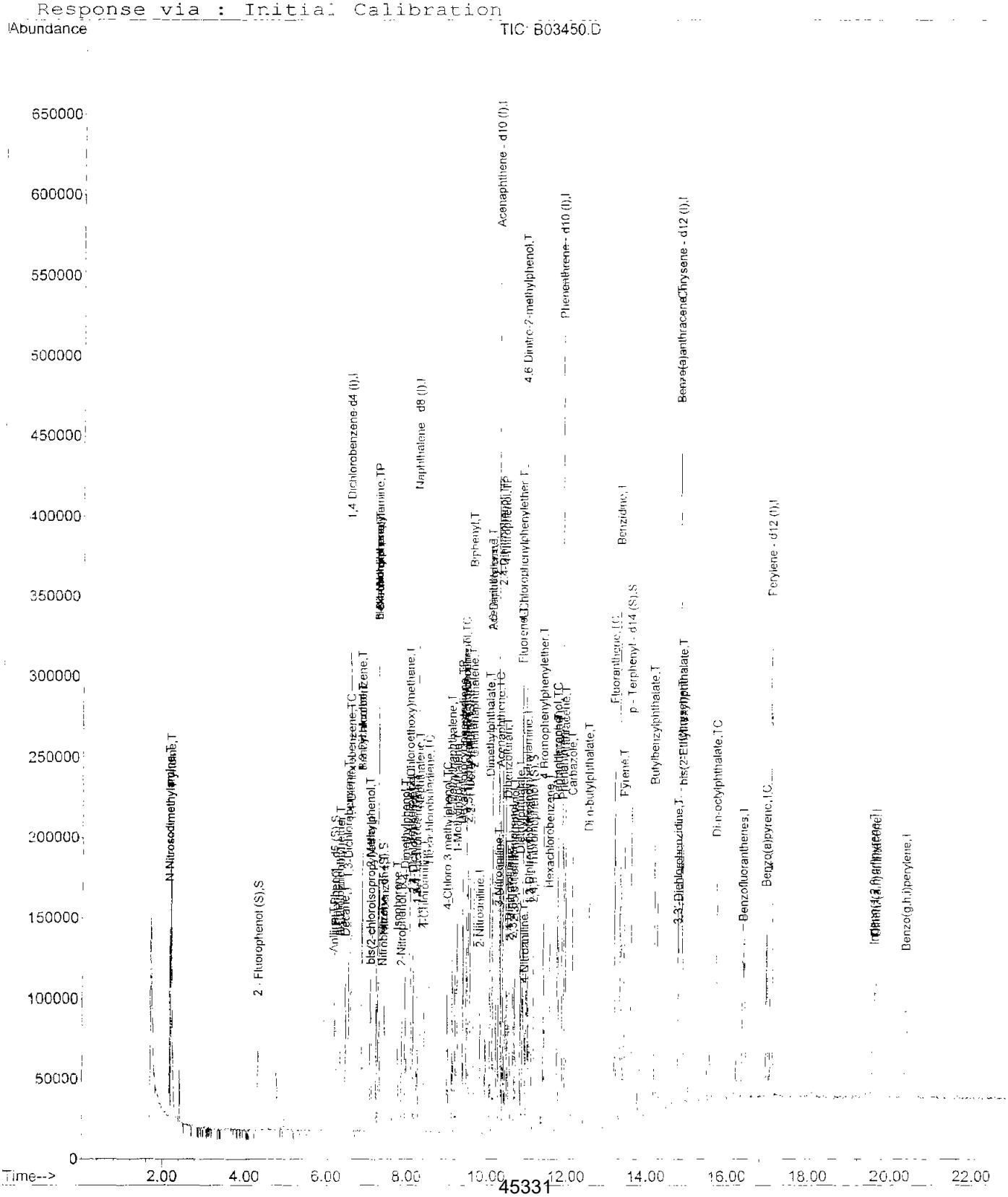
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Acenaphthylene	10.13	152	71095	396.92	ug/L		99
47)	2,6-Dinitrotoluene	10.13	165	9796	463.94	ug/L		87
48)	3-Nitroaniline	10.28	138	9565	437.54	ug/L	#	33
49)	Acenaphthene	10.33	153	56165	480.34	ug/L		100
50)	2,4-Dinitrophenol	10.39	184	60339+	3164.25	ug/L		95
51)	4-Nitrophenol	10.46	109	29228	2767.64	ug/L		65
52)	Dibenzofuran	10.51	168	54164	422.33	ug/L		85
53)	2,4-Dinitrotoluene	10.55	165	15395	477.05	ug/L		93
54)	2,3,4,6-Tetrachlorophenol	10.65	232	15200	472.44	ug/L		99
55)	2,3,5,6-Tetrachlorophenol	10.69	232	14937	481.03	ug/L		88
56)	Diethylphthalate	10.83	149	48154	486.18	ug/L		96
57)	Fluorene	10.86	166	57339	416.47	ug/L		94
58)	4-Chlorophenylphenylether	10.89	204	33753	488.36	ug/L		87
59)	4-Nitroaniline	10.94	138	8227	457.69	ug/L		93
61)	4,6-Dinitro-2-methylphenol	10.99	198	67528	2429.25	ug/L		90
62)	n-Nitrosodiphenylamine	11.02	169	40731	380.14	ug/L		87
64)	1,2-Diphenylhydrazine	11.06	182	12801	413.87	ug/L	#	47
65)	4-Bromophenylphenylether	11.41	248	26698	466.99	ug/L		87
66)	Hexachlorobenzene	11.56	284	20412	434.57	ug/L		91
67)	Pentachlorophenol	11.75	266	16048	753.35	ug/L		100
68)	Phenanthrene	11.91	178	66107	405.11	ug/L		96
69)	Anthracene	11.96	178	76283	455.31	ug/L		96
70)	Octadecane	11.77	57	23078	394.89	ug/L		82
71)	Carbazole	12.14	167	70548	476.27	ug/L		100
72)	Di-n-butylphthalate	12.56	149	83382	456.61	ug/L		97
73)	Fluoranthene	13.20	202	94533	453.31	ug/L		88
74)	Pyrene	13.44	202	92468	443.10	ug/L		90
75)	Benzidine	13.35	184	214882	2196.11	ug/L		100
78)	Butylbenzylphthalate	14.19	149	46163	519.64	ug/L		95
79)	Benzo(a)anthracene	14.81	228	96244	466.59	ug/L		92
80)	3,3'-Dichlorobenzidine	14.78	252	33951	407.97	ug/L		98
81)	Chrysene	14.86	228	84194	430.62	ug/L		88
82)	bis(2-Ethylhexyl)phthalate	14.89	149	77259	515.09	ug/L		97
84)	Di-n-octylphthalate	15.74	149	124058	515.56	ug/L		99
85)	Benzofluoranthenes	18.41	252	192810	923.56	ug/L		88
86)	Benzo(a)pyrene	16.97	252	92684	472.84	ug/L		100
87)	Indeno(1,2,3-cd)pyrene	19.61	276	115636	469.42	ug/L		99
88)	Dibenz(a,h)anthracene	19.67	278	98826	451.42	ug/L		97
89)	Benzo(g,h,i)perylene	20.36	276	98543	464.03	ug/L		91

#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03450.D Vial: 0
Acq On : 15 Nov 2004 17:35 Operator: CLZ
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 8:54 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration


Abundance
TIC: B03450.D
650000
600000
550000
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0
Time-->
2.00
4.00
6.00
8.00
10.00
12.00
14.00
16.00
18.00
20.00
22.00
2 - Fluorophenol (S),S
N-Nitrosodimethylamine,T
1,4 Dichlorobenzene-d4 (I),I
Naphthalene-d8 (I),I
Acenaphthene-d10 (I),I
4,6 Dinitro-2-methylphenol,T
Phenanthrene-d10 (I),I
Benzo(a)anthracene-Chrysene-d12 (I),I
Perylene-d12 (I),I
Benzo(g,h,i)perylene,I
Benzo(a)pyrene,TC
Benzo(b)fluoranthene,I
Di-n-octylphthalate,TC
Butylbenzylphthalate,T
Benzidine,I
p-Terphenyl-d14 (S),S
Fluoranthene,TC
Pyrene,T
Di-n-butylphthalate,T
Carbazole,T
Hexachlorobenzene,T
4-Bromophenylphenylether,T
Fluorene,T
4-Chlorophenylphenylether,T
Biphenyl,T
Dimethylphthalate,T
Acenaphthylene,T
2-Nitroaniline,I
3-Nitroaniline,T
4-Nitroaniline,T
4-Chloro-3-methylphenol,TC
2-Nitrophenol,TC
Dimethylphenol,T
Benzoic Acid,TC
Phenol,TC
Naphthalene,T
Hexachlorocyclopentadiene,T
Nitrobenzene-d5 (S),S
Aniline,T
Benzyl Alcohol,T
bis(2-chloroethoxy)methane,T
bis(2-chloroisopropyl)ether,T
Nitrobenzene,T
2-Nitrophenol,T
2,4-Dichlorophenol,T
1,2,4-Trichlorobenzene,T
Hexachloroethane,T
Benzaldehyde,T
Acetophenone,T
Phenol-d5 (S),S
Benzyl Alcohol-d7 (S),S
Phenol,T
Aniline,T
Benzoic Acid,TC
bis(2-chloroethyl)ether,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,T
1,2-Dichlorobenzene,T
Benzaldehyde,T
Acetophenone,T
Phenol-d5 (S),S
Benzyl Alcohol-d7 (S),S
Phenol,T
Aniline,T
Benzoic Acid,TC
bis(2-chloroethyl)ether,T
1,3-Dichlorobenzene,T
1,4-Dichlorobenzene,T
1,2-Dichlorobenzene,T
Hexachloroethane

Quantitation Report (Not Calibrated)

Data File : U:\DATA\111504\B03451.D Vial: 0
Acq On : 15 Nov 2004 18:03 Operator: CLZ
Sample : 1000 UG/L 8270 ICAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:23:29 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:23:24 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.59	152	43991	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.28	136	209813	1000.00 ug/L	-0.01
36) Acenaphthene - d10 (I)	10.30	162	132343	1000.00 ug/L	0.02
60) Phenanthrene - d10 (I)	11.89	188	184226	1000.00 ug/L	0.00
77) Chrysene - d12 (I)	14.82	240	303120+	1000.00 ul/l	-0.01
83) Perylene - d12 (I)	17.08	264	326619+	1000.00 ug/L	-0.01
System Monitoring Compounds					
4 2 - Fluorophenol (S)	4.34	112	47850	1010.83 ug/L	0.00
6 Phenol - d5 (S)	6.20	99	59675	1058.82 ug/L	0.00
11 Nitrobenzene - d5 (S)	7.41	82	53860	920.65 ug/L	-0.04
41 2 - Fluorobiphenyl (S)	9.56	172	96790	886.28 ug/L	0.02
63) 2,4,6 - Tribromophenol (S)	11.16	330	33718	1011.97 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.61	244	148805	916.58 ug/L	0.01
Target Compounds					Qvalue
1) N-Nitrosodimethylamine	2.17	42	64602	4465.57 ug/L	52
3) Pyridine	2.20	79	369522+	5646.51 ug/L	93
5) Aniline	6.18	93	61182	1099.32 ug/L	100
7 Phenol	6.22	94	66416	1106.74 ug/L	89
8 bis(2-Chloroethyl)ether	6.31	63	61955	999.76 ug/L	93
9) 2-Chlorophenol	6.33	128	55599	1004.63 ug/L	94
10) Decane	6.46	57	34832	1202.35 ug/L	72
11) 1,3-Dichlorobenzene	6.53	146	49019	1025.64 ug/L	97
12) 1,4-Dichlorobenzene	6.62	146	55503	1077.15 ug/L	97
13) Benzyl alcohol	6.87	79	66452	1000.16 ug/L	89
14) 1,2-Dichlorobenzene	6.88	146	46470	1185.32 ug/L	84
15 2-Methylphenol	7.08	108	40067	1014.01 ug/L	94
16) bis(2-chloroisopropyl)ethe	7.10	45	63545	1076.42 ug/L	39
17 3-&4-Methylphenol	7.29	108	85654	1824.79 ug/L	94
18 n-Nitroso-di-n-propylamine	7.29	70	37184	1003.34 ug/L	91
19) Hexachloroethane	7.30	117	28054	989.16 ug/L	87
21 Nitrobenzene	7.44	77	48174	956.32 ug/L	72
22 Isophorone	7.76	82	73027	879.37 ug/L	100
24 2-Nitrophenol	7.85	139	21967	899.62 ug/L	99
25 2,4-Dimethylphenol	7.95	107	48507	1015.59 ug/L	90
26) bis(2-Chloroethoxy)methane	8.07	93	31331	924.08 ug/L #	11
27) Benzoic Acid	8.11	105	139234	5435.80 ug/L	100
28) 2,4-Dichlorophenol	8.15	162	41976	845.69 ug/L	98
29) 1,2,4-Trichlorobenzene	8.24	180	43066	1017.94 ug/L	100
30) Naphthalene	8.31	128	159397	950.76 ug/L	90
31) 4-Chloroaniline	8.42	127	54144	1052.00 ug/L	100
32) Hexachlorobutadiene	8.55	225	29902	989.20 ug/L	93
33) 4-Chloro-3-methylphenol	8.00	107	77435+	899.15 ug/L	97
34 2-Methylnaphthalene	9.12	141	72591	926.54 ug/L	81
35 1-Methylnaphthalene	9.24	141	67461	821.63 ul/l	89
37 Hexachlorocyclopentadiene	9.39	237	55436	929.55 ug/L	98
38 2,3-Dichloroaniline	9.48	161	60863	940.78 ug/L	99
39) 2,4,6-Trichlorophenol	9.48	196	24203	1041.67 ug/L #	62
40) 2,4,5-Trichlorophenol	9.52	196	30221	903.57 ug/L	100
42) 2-Chloronaphthalene	9.66	162	72578	960.26 ug/L	88
43) Biphenyl	9.66	154	120052	851.00 ug/L	91
44) 2-Nitroaniline	9.82	138	24146	897.54 ug/L	66
45) Dimethylphthalate	10.06	163	115024	957.43 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03451.D Vial: 0
Acq On : 15 Nov 2004 18:03 Operator: CLZ
Sample : 1000 UG/L 8270 ICAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:23:29 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:23:24 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	Acenaphthylene	10.13	152	153085	913.04 ug/L		97
47)	2,6-Dinitrotoluene	10.13	165	17231	841.00 ug/L		95
48)	3-Nitroaniline	10.28	138	19843	920.85 ug/L	#	47
49)	Acenaphthene	10.33	153	101521	908.34 ug/L		100
50)	2,4-Dinitrophenol	10.39	184	100560+	4428.74 ug/L		87
51)	4-Nitrophenol	10.46	109	51774	4400.55 ug/L		68
52)	Dibenzofuran	10.51	168	107239	849.25 ug/L		81
53)	2,4-Dinitrotoluene	10.55	165	29155	896.73 ug/L		79
54)	2,3,4,6-Tetrachlorophenol	10.64	232	30458	931.75 ug/L		96
55)	2,3,5,6-Tetrachlorophenol	10.69	232	34471	1079.86 ul/l		95
56)	Diethylphthalate	10.83	149	81621	866.36 ug/L		84
57)	Fluorene	10.88	166	104889	820.77 ug/L		90
58)	4-Chlorophenylphenylether	10.89	204	60089	901.87 ug/L		97
59)	4-Nitroaniline	10.95	138	18149	988.06 ug/L		79
61)	4,6-Dinitro-2-methylphenol	10.99	198	135212	4982.60 ug/L		86
62	n-Nitrosodiphenylamine	11.02	169	78142	856.71 ug/L		84
64)	1,2-Diphenylhydrazine	11.05	182	30136	1089.67 ug/L		86
65	4-Bromophenylphenylether	11.41	248	47424	945.74 ug/L		89
66)	Hexachlorobenzene	11.56	284	40714	973.99 ug/L		96
67	Pentachlorophenol	11.75	266	28590	1139.84 ug/L		100
68)	Phenanthrene	11.91	178	130061	963.72 ug/L		98
69)	Anthracene	11.96	178	146297	1004.14 ug/L		92
70	Octadecane	11.77	57	52639	1082.42 ug/L		90
71	Carbazole	12.14	167	120034	901.63 ug/L		99
72)	Di-n-butylphthalate	12.56	149	146322	939.41 ug/L		96
73	Fluoranthene	13.20	202	170762	938.07 ug/L		87
74	Pyrene	13.44	202	173858	930.67 ug/L		96
75	Benzidine	13.35	184	484357	5381.62 ug/L		100
78	Butylbenzylphthalate	14.18	149	81590	917.71 ug/L		100
79)	Benzo(a)anthracene	14.80	228	189249	941.40 ug/L		83
80	3,3'-Dichlorobenzidine	14.77	252	76017	975.36 ug/L		93
81	Chrysene	14.85	228	175117	949.27 ug/L		89
82	bis(2-Ethylhexyl)phthalate	14.88	149	148772	1051.00 ug/L		94
84	Di-n-octylphthalate	15.73	149	242151	981.64 ug/L		100
85	Benzofluoranthenes	16.40	252	387461	1855.59 ug/L		83
86)	Benzo(a)pyrene	16.96	252	184199	942.93 ug/L		100
87)	Indeno(1,2,3-cd)pyrene	19.60	276	199419	834.77 ug/L		92
88)	Dibenz(a,h)anthracene	19.66	278	201140	961.61 ug/L		100
89	Benzo(g,h,i)perylene	20.36	276	198667	977.58 ug/L		85

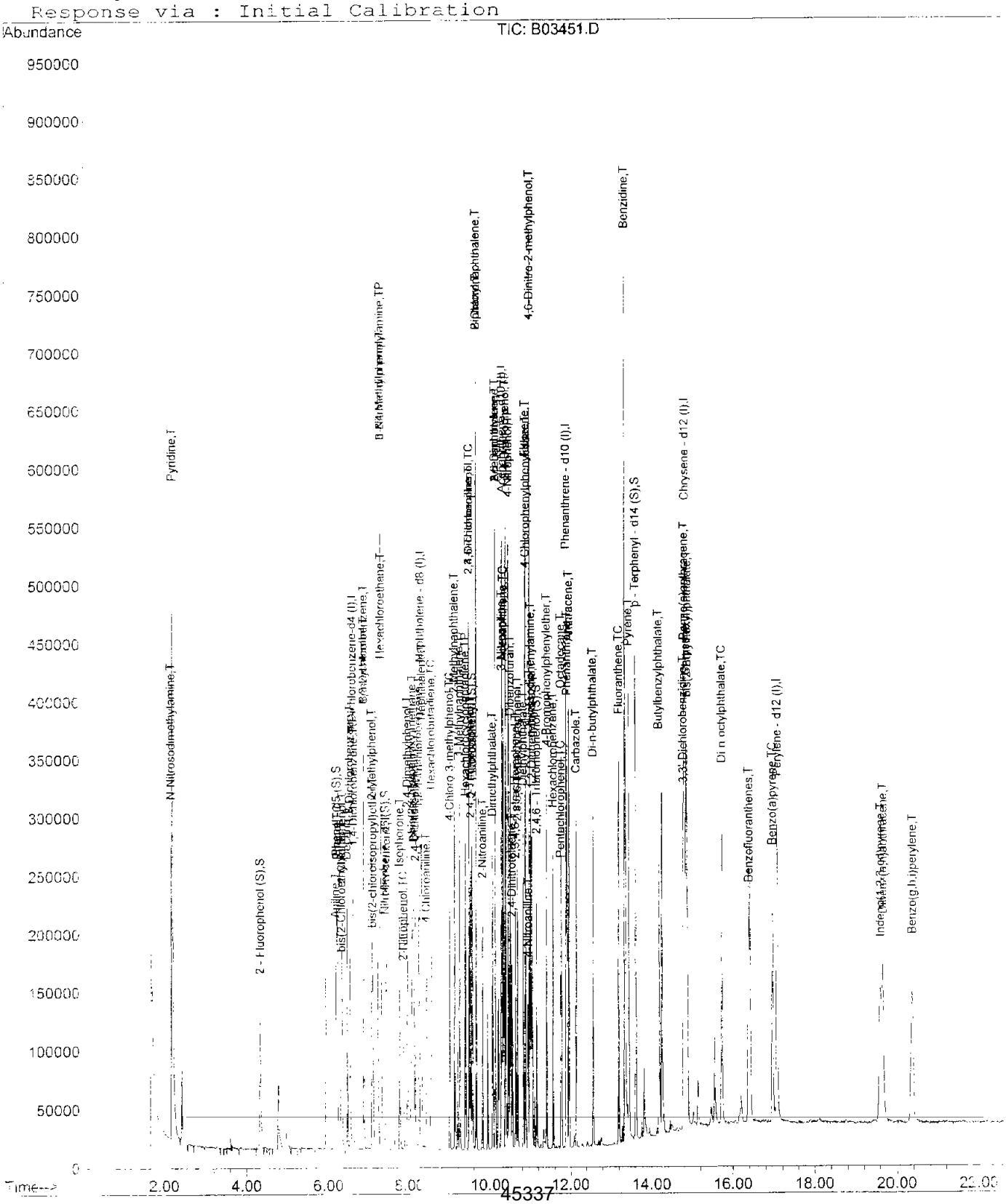
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03451.D
Acq On : 15 Nov 2004 18:03
Sample : 1000 UG/L 8270 ICAL STD NO 1281-1-6
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:23 2004

Vial: 9
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration



00648

Data File : U:\DATA\111504\B03452.D Vial: 0
Acq On : 15 Nov 2004 18:31 Operator: CLZ
Sample : 1500 UG/L 8270 ICAL STD NO 1281-1-7 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:24:42 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:24:38 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.58	152	45433	1000.00 ug/L	-0.01
20) Naphthalene - d8 (I)	8.28	136	212115	1000.00 ug/L	-0.01
36) Acenaphthene - d10 (I)	10.29	162	121615	1000.00 ug/L	0.01
60) Phenanthrene - d10 (I)	11.68	188	178640	1000.00 ug/L	0.00
77) Chrysene - d12 (I)	14.81	240	291161+	1000.00 ul/l	-0.02
83) Perylene - d12 (I)	17.06	264	312591+	1000.00 ug/L	-0.03
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.33	112	67219	1363.19 ug/L	0.00
6) Phenol - d5 (S)	6.20	99	77783	1343.40 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.41	82	68349	1168.89 ug/L	-0.03
41) 2 - Fluorobiphenyl (S)	9.56	172	128523	1315.22 ug/L	0.02
63) 2,4,6 - Tribromophenol (S)	11.16	330	51820	1591.71 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.60	244	220301	1400.08 ug/L	0.00

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.17	42	55769	3631.12 ug/L #	6
3) Pyridine	2.19	79	507776+	7305.71 ug/L	100
5) Aniline	6.17	93	93907	1618.44 ug/L	100
7) Phenol	6.21	94	86539	1362.62 ug/L	90
8) bis(2-Chloroethyl)ether	6.30	63	92318	1450.50 ug/L	79
9) 2-Chlorophenol	6.32	128	80945	1419.90 ug/L	93
10) Decane	6.46	57	20952	687.11 ug/L	55
11) 1,3-Dichlorobenzene	6.52	146	66338	1317.50 ug/L	96
12) 1,4-Dichlorobenzene	6.61	146	75351	1391.76 ug/L	92
13) Benzyl alcohol	6.66	79	98961	1431.72 ug/L	86
14) 1,2-Dichlorobenzene	6.86	146	62701	1600.43 ug/L	81
15) 2-Methylphenol	7.07	108	53708	1294.76 ug/L	97
16) bis(2-chloroisopropyl)ethe	7.10	45	85320	1366.27 ug/L	39
17) 3-&4-Methylphenol	7.28	108	116143	1445.71 ug/L	91
18) n-Nitroso-di-n-propylamine	7.28	70	46875	1212.81 ug/L	75
19) Hexachloroethane	7.30	117	42319	1455.17 ug/L #	48
22) Nitrobenzene	7.43	77	63365	1265.14 ug/L	68
23) Isophorone	7.75	82	100894	1219.24 ug/L	100
24) 2-Nitrophenol	7.85	139	34688	1441.57 ug/L	95
25) 2,4-Dimethylphenol	7.94	107	67109	1354.85 ug/L	93
26) bis(2-Chloroethoxy)methane	8.06	93	45861	1350.15 ug/L #	8
27) Benzoic Acid	8.12	105	205389	7731.72 ug/L	100
28) 2,4-Dichlorophenol	8.14	162	65194	1327.13 ug/L	94
29) 1,2,4-Trichlorobenzene	8.24	180	57520	1340.73 ug/L	100
30) Naphthalene	8.30	128	214536	1275.58 ug/L	89
31) 4-Chloroaniline	8.42	127	79112	1517.52 ug/L	100
32) Hexachlorobutadiene	8.54	225	38005	1245.45 ug/L	92
33) 4-Chloro-3-methylphenol	9.00	107	103845+	1201.47 ug/L	97
34) 2-Methylnaphthalene	9.12	141	97931	1243.00 ug/L	83
35) 1-Methylnaphthalene	9.24	141	98351	1201.66 ul/l	88
37) Hexachlorocyclopentadiene	9.38	237	82917	1508.29 ug/L	100
38) 2,3-Dichloroaniline	9.48	161	94743	1595.43 ug/L	100
39) 2,4,6-Trichlorophenol	9.47	196	30375	1413.49 ug/L #	72
40) 2,4,5-Trichlorophenol	9.51	196	45668	1494.24 ug/L	91
42) 2-Chloronaphthalene	9.66	162	95644	1376.36 ug/L	85
43) Biphenyl	9.65	154	187156	1462.21 ug/L	93
44) 2-Nitroaniline	9.82	138	37637	1536.42 ug/L	65
45) Dimethylphthalate	10.06	163	171246	1539.18 ug/L	100

(#) = qualifier out of range (m) = manual integration
B03452.D 111604.M Wed Nov 17 09:28:21 2004 Page 1

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03452.D Vial: 0
Acq On : 15 Nov 2004 18:31 Operator: CLZ
Sample : 1500 UG/L 8270 ICAL STD NC 1281-1-7 Inst :
Misc : Multipl'r: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:24:42 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:24:38 2004
Response via : Initial Calibration
DataAcq Meth :

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) Acenaphthylene	10.12	152	218940	1433.78	ug/L		93
47) 2,6-Dinitrotoluene	10.13	165	25042	1380.61	ug/L		95
48) 3-Nitroaniline	10.27	138	29019	1483.53	ug/L	#	68
49) Acenaphthene	10.33	153	135303	1335.22	ug/L		100
50) 2,4-Dinitrophenol	10.38	184	150892+	7291.86	ug/L		82
51) 4-Nitrophenol	10.46	109	61889	5749.96	ug/L	#	57
52) Dibenzofuran	10.50	168	151431	1322.38	ug/L		80
53) 2,4-Dinitrotoluene	10.55	165	45586	1354.85	ug/L		83
54) 2,3,4,6-Tetrachlorophenol	10.64	232	46612	1562.17	ug/L		96
55) 2,3,5,6-Tetrachlorophenol	10.69	232	48116	1617.16	ug/L		94
56) Diethylphthalate	10.82	149	109018	1284.00	ug/L		68
57) Fluorene	10.88	166	172022	1498.96	ug/L		77
58) 4-Chlorophenylphenylether	10.88	204	83227	1374.60	ug/L		99
59) 4-Nitroaniline	10.94	138	23668	1392.50	ug/L		81
61) 4,6-Dinitro-2-methylphenol	10.98	198	195690	7481.45	ug/L		85
62) n-Nitrosodiphenylamine	11.02	169	120649	1379.52	ug/L		84
64) 1,2-Diphenylhydrazine	11.05	182	43916	1601.93	ug/L		94
65) 4-Bromophenylphenylether	11.40	248	73253	1508.21	ug/L		89
66) Hexachlorobenzene	11.56	284	59427	1471.71	ug/L		95
67) Pentachlorophenol	11.75	266	40613	1585.86	ug/L		100
68) Phenanthrene	11.91	178	200019	1537.53	ug/L		94
69) Anthracene	11.95	178	208217	1467.54	ug/L		90
70) Octadecane	11.76	57	71550	1492.80	ug/L		86
71) Carbazole	12.13	167	174190	1368.19	ug/L		100
72) Di-n-butylphthalate	12.56	149	225329	1304.93	ug/L		96
73) Fluoranthene	13.19	202	236806	1332.67	ug/L		90
74) Pyrene	13.43	202	267142	1476.00	ug/L		93
75) Benzidine	13.34	184	722767	7967.07	ug/L		100
78) Butylbenzylphthalate	14.17	149	114586	1339.72	ug/L		92
79) Benzo(a)anthracene	14.78	228	284953	1479.99	ug/L		99
80) 3,3'-Dichlorobenzidine	14.76	252	113893	1538.41	ug/L		99
81) Chrysene	14.84	228	242576	1393.07	ug/L		99
82) bis(2-Ethylhexyl)phthalate	14.87	149	193534	1407.67	ug/L		96
84) Di-n-octylphthalate	15.72	149	332272	1393.63	ug/L		99
85) Benzofluoranthenes	16.38	252	562838	2813.71	ug/L		93
86) Benzo(a)pyrene	16.95	252	269455	1438.25	ug/L		100
87) Indeno(1,2,3-cd)pyrene	19.59	276	286811	1281.77	ug/L		96
88) Dibenz(a,h)anthracene	19.65	278	297287	1486.16	ug/L		99
89) Benzo(g,h,i)perylene	20.35	276	280770	1442.31	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

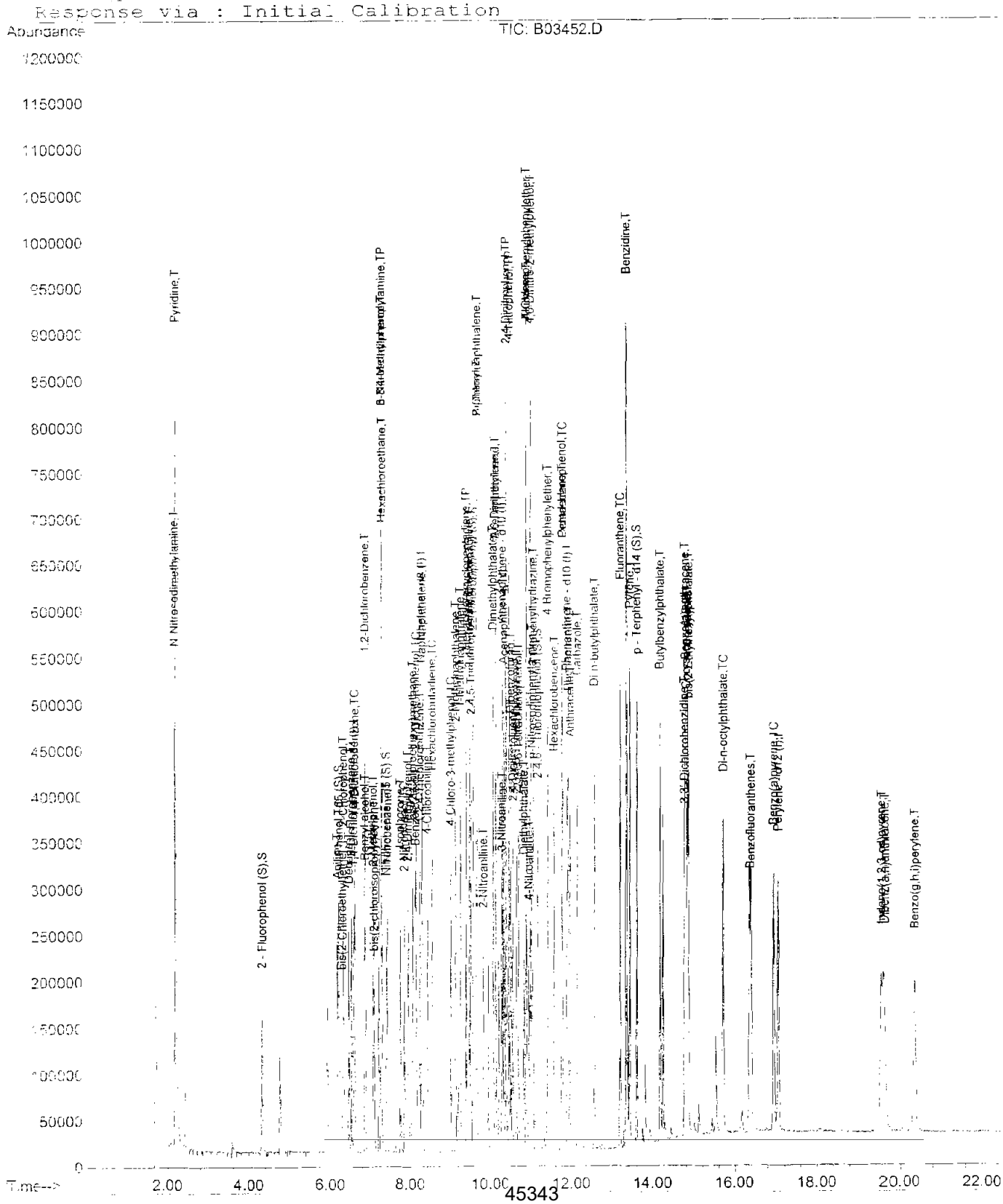
Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03452.D
Acq On : 15 Nov 2004 18:31
Sample : 1500 UG/L 8270 ICAL STD NO 1281-1-7
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:24 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00

Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration



B03452.D 111604.M Wed Nov 17 09:28:21 2004 Page 1

00651

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03453.D Vial: 6
Acq On : 15 Nov 2004 18:59 Operator: CLZ
Sample : 2000 UG/L 8270 ICAL STD NO 1281-1-8 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:25:11 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:25:05 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.58	152	44371	1000.00 ug/L	-0.01
20) Naphthalene - d8 (I)	8.28	136	193992	1000.00 ug/L	-0.01
36) Acenaphthene - d10 (I)	10.29	162	125447	1000.00 ug/L	0.01
60) Phenanthrene - d10 (I)	11.88	188	178523	1000.00 ug/L	0.00
77) Chrysene - d12 (I)	14.80	240	293754+	1000.00 ug/L	-0.03
83) Perylene - d12 (I)	17.05	264	317591+	1000.00 ug/L	-0.04
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.34	112	96428	2057.26 ug/L	0.00
6) Phenol - d5 (S)	6.20	99	108025	1941.09 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.41	82	103125	1946.40 ug/L	-0.04
41) 2 - Fluorobiphenyl (S)	9.56	172	191238	1927.96 ug/L	0.02
63) 2,4,6 - Tribromophenol (S)	11.15	330	74980	2288.67 ug/L	-0.01
76) p - Terphenyl - d14 (S)	13.60	244	305019	1952.65 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.18	42	69265	4778.69 ug/L #	1
3) Pyridine	2.19	79	587159-	8488.00 ug/L	99
5) Aniline	6.17	93	128861	2280.17 ug/L	100
7) Phenol	6.21	94	108582	1796.72 ug/L	91
8) bis(2-Chloroethyl)ether	6.30	63	121275	1973.37 ug/L	80
9) 2-Chlorophenol	6.32	128	110623	2013.44 ug/L	92
10) Decane	6.45	57	64268	2246.06 ug/L	86
11) 1,3-Dichlorobenzene	6.52	146	96639	2002.76 ug/L	90
12) 1,4-Dichlorobenzene	6.61	146	104632	2026.37 ug/L	97
13) Benzyl alcohol	6.86	79	120742	1819.48 ug/L	69
14) 1,2-Dichlorobenzene	6.87	146	74460	1813.38 ug/L	89
15) 2-Methylphenol	7.07	108	78965	2021.01 ug/L	95
16) bis(2-chloroisopropyl)ethe	7.09	45	112502	1863.02 ug/L	34
17) 3-&4-Methylphenol	7.28	108	167196	3742.60 ug/L	99
18) n-Nitroso-di-n-propylamine	7.28	70	67789	1875.00 ug/L	85
19) Hexachloroethane	7.29	117	51618	1818.76 ug/L	76
22) Nitrobenzene	7.43	77	84058	1859.15 ug/L	72
23) Isophorone	7.75	82	138176	1855.93 ug/L	100
24) 2-Nitrophenol	7.85	139	53432	2483.14 ug/L	93
25) 2,4-Dimethylphenol	7.94	107	92564	2013.73 ug/L	90
26) bis(2-Chloroethoxy)methane	8.06	93	63219	2066.74 ug/L #	5
27) Benzoic Acid	8.14	105	316986	12881.58 ug/L	100
28) 2,4-Dichlorophenol	8.14	162	100077	2269.40 ug/L	95
29) 1,2,4-Trichlorobenzene	8.23	180	75094	1925.68 ug/L	100
30) Naphthalene	8.30	128	298066	1964.03 ug/L	90
31) 4-Chloroaniline	8.42	127	110994	2350.10 ug/L	100
32) Hexachlorobutadiene	8.54	225	56639	2032.84 ug/L	93
33) 4-Chloro-3-methylphenol	8.99	107	141631+	1826.70 ug/L	98
34) 2-Methylnaphthalene	9.11	141	133529	1878.77 ug/L	86
35) 1-Methylnaphthalene	9.23	141	130845	1770.64 ug/L	85
37) Hexachlorocyclopentadiene	9.38	237	112268	1953.27 ug/L	95
38) 2,3-Dichloroaniline	9.47	161	129305	2095.34 ug/L	98
39) 2,4,6-Trichlorophenol	9.47	196	37136	1647.15 ug/L	80
40) 2,4,5-Trichlorophenol	9.51	196	62379	1985.71 ug/L	100
42) 2-Chloronaphthalene	9.66	162	130396	1819.62 ug/L	88
43) Biphenyl	9.65	154	284530	2159.16 ug/L	98
44) 2-Nitroaniline	9.81	138	49146	1939.17 ug/L	62
45) Dimethylphthalate	10.06	163	244955	2089.82 ug/L	100

(#) = qualifier out of range (m) = manual integration

45345

00652

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03453.D Vial: 0
Acq On : 15 Nov 2004 18:59 Operator: CLZ
Sample : 2000 UG/L 8270 ICAL STD NO 1281-1-8 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:25:11 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:25:05 2004
Response via : Initial Calibration
DataAcq Meth :

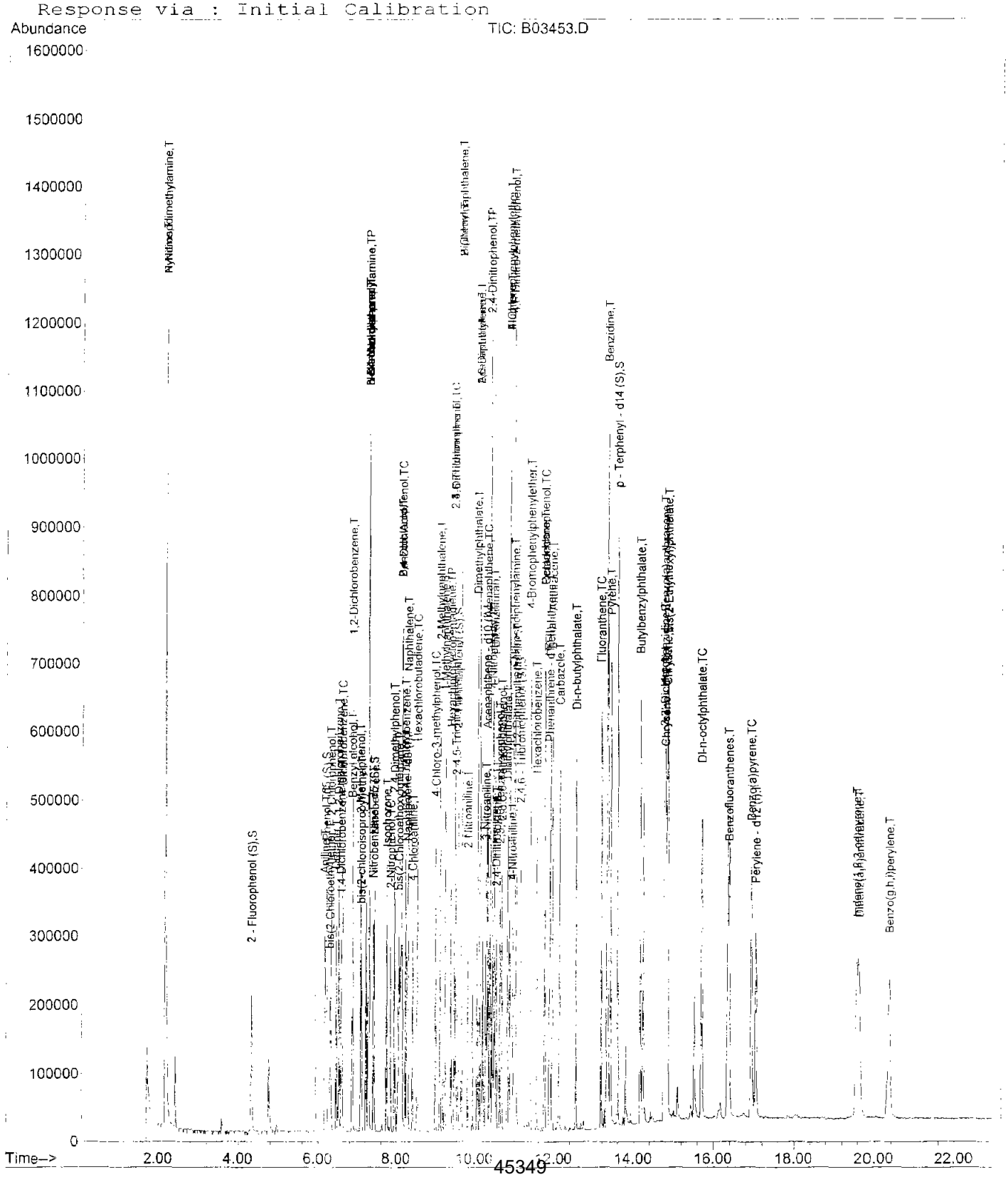
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	Acenaphthylene	10.12	152	304613	1932.24 ug/L	89
47)	2,6-Dinitrotoluene	10.12	165	30773	1653.29 ug/L	87
48)	3-Nitroaniline	10.27	138	45172	2226.48 ug/L #	[illegible]
49)	Acenaphthene	10.32	153	201435	1948.77 ug/L	100
50)	2,4-Dinitrophenol	10.38	184	192926+	9002.24 ug/L	76
51)	4-Nitrophenol	10.45	109	71316	6392.35 ug/L #	49
52)	Dibenzofuran	10.50	168	213252	1861.68 ug/L	75
53)	2,4-Dinitrotoluene	10.55	165	54601	1781.56 ug/L	82
54)	2,3,4,6-Tetrachlorophenol	10.63	232	61684	2008.86 ug/L	98
55)	2,3,5,6-Tetrachlorophenol	10.68	232	60393	1916.30 ug/L	91
56)	Diethylphthalate	10.82	149	141179	1632.59 ug/L	56
57)	Fluorene	10.87	166	259378	2212.87 ug/L	75
58)	4-Chlorophenylphenylether	10.88	204	127428	2036.94 ug/L	96
59)	4-Nitroaniline	10.94	138	33432	1891.09 ug/L	77
61)	4,6-Dinitro-2-methylphenol	10.98	198	291905	11148.26 ug/L	83
62)	n-Nitrosodiphenylamine	11.01	169	185255	2195.67 ug/L	90
64)	1,2-Diphenylhydrazine	11.05	182	66535	2407.93 ug/L	87
65)	4-Bromophenylphenylether	11.40	248	102788	2124.45 ug/L	91
66)	Hexachlorobenzene	11.55	284	79001	1967.61 ug/L	96
67)	Pentachlorophenol	11.75	266	58461	2179.92 ug/L	100
68)	Phenanthrene	11.90	178	285962	2210.26 ug/L	[illegible]
69)	Anthracene	11.95	178	297018	2101.46 ug/L	99
70)	Octadecane	11.76	57	100803	2124.82 ug/L	83
71)	Carbazole	12.13	167	234737	1868.68 ug/L	96
72)	Di-n-butylphthalate	12.55	149	260768	1738.82 ug/L	100
73)	Fluoranthene	13.18	202	353903	2030.95 ug/L	87
74)	Pyrene	13.43	202	351171	1953.64 ug/L	97
75)	Benzidine	13.35	184	1079885	11967.11 ug/L	110
78)	Butylbenzylphthalate	14.16	149	151521	1784.46 ug/L	96
79)	Benzo(a)anthracene	14.77	228	389986	2010.21 ug/L	94
80)	3,3'-Dichlorobenzidine	14.75	252	159279	2152.50 ug/L	96
81)	Chrysene	14.83	228	360178	2077.64 ug/L	95
82)	bis(2-Ethylhexyl)phthalate	14.85	149	239120	1719.58 ug/L	97
84)	Di-n-octylphthalate	15.70	149	453421	1879.43 ug/L	101
85)	Benzofluoranthenes	16.37	252	787644	3931.46 ug/L	84
86)	Benzo(a)pyrene	16.94	252	382120	2032.80 ug/L	100
87)	Indeno(1,2,3-cd)pyrene	19.58	276	397300	1815.22 ug/L	95
88)	Dibenz(a,h)anthracene	19.64	278	414907	2075.34 ug/L	99
89)	Benzo(g,h,i)perylene	20.35	276	396685	2037.87 ug/L	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03453.D Vial: 0
Acq On : 15 Nov 2004 18:59 Operator: CLZ
Sample : 2000 UG/L 8270 ICAL STD NO 1281-1-8 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:25 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration



B03453.D 111604.M Wed Nov 17 09:28:29 2004 Page 3

Data File : U:\DATA\111504\B03454.D Vial: 0
Acq On : 15 Nov 2004 19:28 Operator: CLZ
Sample : 2500 UG/L 8270 ICAL STD NO 1281-1-9 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:25:37 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:25:31 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.59	152	41996	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.28	136	206754	1000.00 ug/L	-0.01
36) Acenaphthene - d10 (I)	10.29	162	133030	1000.00 ug/L	0.01
60) Phenanthrene - d10 (I)	11.88	188	181884	1000.00 ug/L	-0.01
77) Chrysene - d12 (I)	14.81	240	271942+	1000.00 ug/L	-0.02
83) Perylene - d12 (I)	17.06	264	290744+	1000.00 ug/L	-0.03
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.34	112	114993	2592.08 ug/L	0.00
6) Phenol - d5 (S)	6.20	99	135247	2612.04 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.41	82	107758	1886.57 ug/L	-0.04
41) 2 - Fluorobiphenyl (S)	9.56	172	234502	2287.62 ug/L	0.02
63) 2,4,6 - Tribromophenol (S)	11.16	330	86865	2521.84 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.61	244	366981	2336.44 ug/L	0.01
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.17	42	74183	5407.43 ug/L #	1
3) Pyridine	2.19	79	570449-	8713.76 ug/L	83
5) Aniline	6.17	93	166803	3127.62 ug/L	100
7) Phenol	6.22	94	135859	2425.61 ug/L	91
8) bis(2-Chloroethyl)ether	6.30	63	148463	2582.27 ug/L	88
9) 2-Chlorophenol	6.32	128	133498	2593.33 ug/L	98
10) Decane	6.46	57	36208	1347.07 ug/L #	27
11) 1,3-Dichlorobenzene	6.53	146	114108	2508.79 ug/L	87
12) 1,4-Dichlorobenzene	6.61	146	126867	2601.71 ug/L	96
13) Benzyl alcohol	6.87	79	139026	2602.75 ug/L	65
14) 1,2-Dichlorobenzene	6.88	146	91215	2370.69 ug/L	79
15) 2-Methylphenol	7.08	108	89244	2439.88 ug/L	98
16) bis(2-chloroisopropyl)ethe	7.10	45	136415	2359.34 ug/L	36
17) 3-&4-Methylphenol	7.29	108	211344	5227.89 ug/L	90
18) n-Nitroso-di-n-propylamine	7.28	70	94572	2853.88 ug/L	95
19) Hexachloroethane	7.30	117	59790	2247.48 ug/L	87
22) Nitrobenzene	7.43	77	110088	2296.14 ug/L	85
23) Isophorone	7.75	82	170199	2140.94 ug/L	100
24) 2-Nitrophenol	7.85	139	58629	2498.72 ug/L	88
25) 2,4-Dimethylphenol	7.95	107	110472	2217.57 ug/L	86
26) bis(2-Chloroethoxy)methane	8.06	93	79943	2421.80 ug/L #	3
27) Benzoic Acid	8.16	105	391093	14310.43 ug/L	100
28) 2,4-Dichlorophenol	8.14	162	115506	2434.51 ug/L	92
29) 1,2,4-Trichlorobenzene	8.24	180	99781	2383.17 ug/L	100
30) Naphthalene	8.30	128	335018	2060.90 ug/L	89
31) 4-Chloroaniline	8.42	127	139959	2759.69 ug/L	100
32) Hexachlorobutadiene	8.54	225	64735	2147.41 ug/L	92
33) 4-Chloro-3-methylphenol	9.00	107	174755+	2152.03 ug/L	97
34) 2-Methylnaphthalene	9.12	141	158751	2105.17 ug/L	88
35) 1-Methylnaphthalene	9.24	141	146987	1894.34 ug/L	86
37) Hexachlorocyclopentadiene	9.38	237	143466	2347.30 ug/L	92
38) 2,3-Dichloroaniline	9.48	161	178807	2790.38 ug/L	90
39) 2,4,6-Trichlorophenol	9.47	196	45706	1914.01 ug/L #	75
40) 2,4,5-Trichlorophenol	9.51	196	85441	2576.45 ug/L	86
42) 2-Chloronaphthalene	9.66	162	155152	2068.39 ug/L	88
43) Biphenyl	9.65	154	361165	2590.69 ug/L	98
44) 2-Nitroaniline	9.82	138	69580	2670.51 ug/L	58
45) Dimethylphthalate	10.06	163	288757	2291.65 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03454.D Vial: 0
Acq On : 15 Nov 2004 19:28 Operator: CLZ
Sample : 2500 UG/L 8270 ICAL STD NO 1281-1-9 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:25:37 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:25:31 2004
Response via : Initial Calibration
DataAcq Meth :

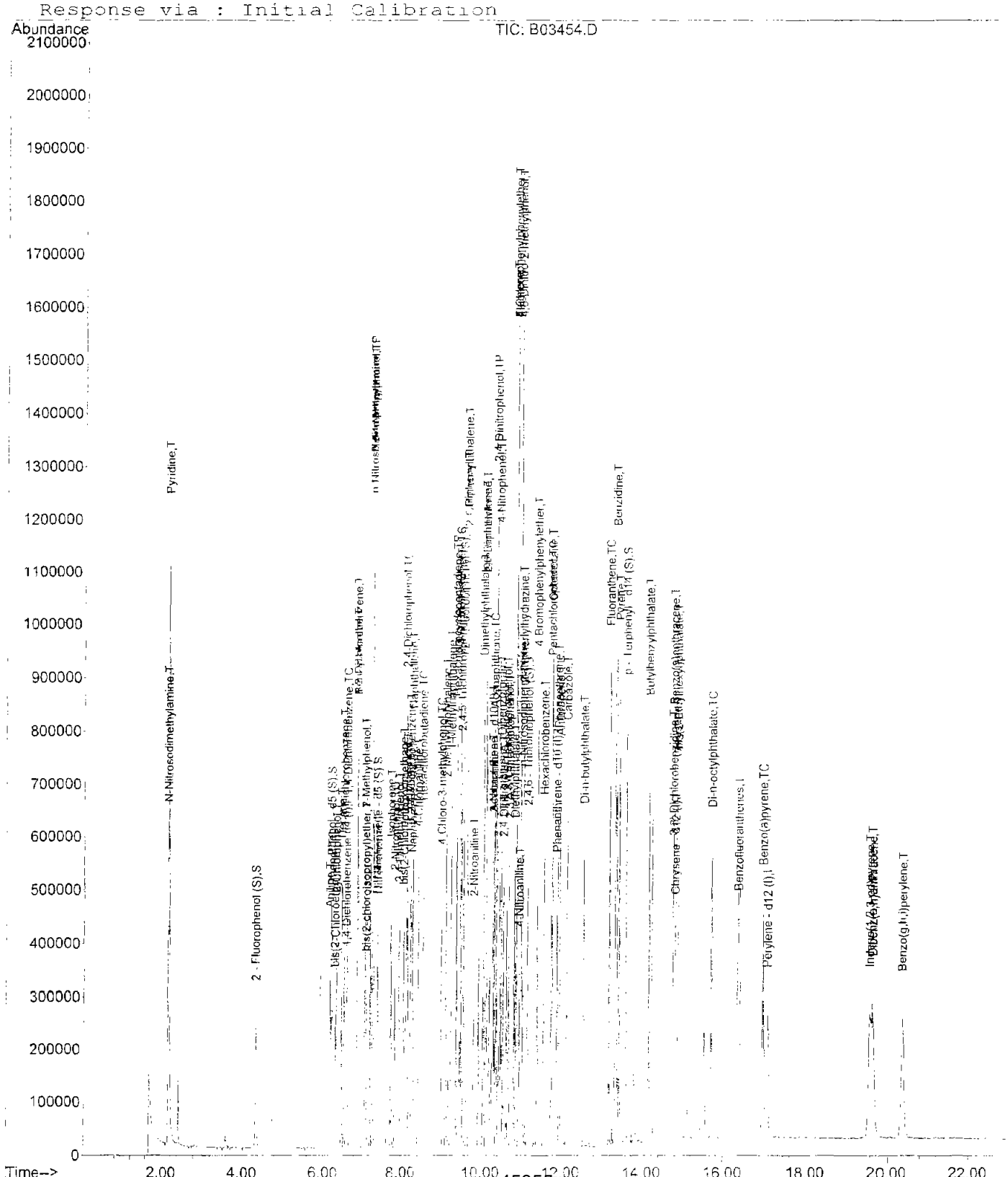
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	Acenaphthylene	10.12	152	398438	2405.52 ug/L	84
47)	2,6-Dinitrotoluene	10.13	165	40658	2094.77 ug/L	96
48)	3-Nitroaniline	10.28	138	48138	2235.97 ug/L #	73
49)	Acenaphthene	10.33	153	242796	2217.79 ug/L	100
50)	2,4-Dinitrophenol	10.39	184	246818+	10840.67 ug/L	72
51)	4-Nitrophenol	10.46	109	77720	6530.66 ug/L #	27
52)	Dibenzofuran	10.50	168	253610	2164.30 ug/L	79
53)	2,4-Dinitrotoluene	10.55	165	72745	2293.53 ug/L	82
54)	2,3,4,6-Tetrachlorophenol	10.64	232	85942	2656.96 ug/L	96
55)	2,3,5,6-Tetrachlorophenol	10.69	232	75958	2281.95 ug/L	95
56)	Diethylphthalate	10.83	149	160183	1772.46 ug/L	96
57)	Fluorene	10.88	166	352955	2912.30 ug/L	65
58)	4-Chlorophenylphenylether	10.88	204	152345	2297.29 ug/L	91
59)	4-Nitroaniline	10.95	138	45009	2458.68 ug/L	78
61)	4,6-Dinitro-2-methylphenol	10.99	198	353612	13122.53 ug/L	87
62)	n-Nitrosodiphenylamine	11.02	169	226928	2714.32 ug/L	91
64)	1,2-Diphenylhydrazine	11.05	182	80582	2787.90 ug/L	80
65)	4-Bromophenylphenylether	11.40	248	122048	2442.91 ug/L	90
66)	Hexachlorobenzene	11.56	284	97468	2391.95 ug/L	95
67)	Pentachlorophenol	11.75	266	81068	2871.93 ug/L	100
68)	Phenanthrene	11.91	178	325718	2439.08 ug/L	90
69)	Anthracene	11.95	178	374544	2608.95 ug/L	86
70)	Octadecane	11.76	57	117899	2429.10 ug/L	86
71)	Carbazole	12.13	167	299616	2377.16 ug/L	97
72)	Di-n-butylphthalate	12.56	149	317850	2100.17 ug/L	99
73)	Fluoranthene	13.19	202	403230	2270.05 ug/L	91
74)	Pyrene	13.43	202	395828	2166.83 ug/L	98
75)	Benzidine	13.35	184	1276035	13720.27 ug/L	100
78)	Butylbenzylphthalate	14.17	149	175232	2228.32 ug/L	99
79)	Benzo(a)anthracene	14.78	228	448813	2520.25 ug/L	96
80)	3,3'-Dichlorobenzidine	14.76	252	175972	2579.51 ug/L	96
81)	Chrysene	14.84	228	403305	2503.84 ug/L	94
82)	bis(2-Ethylhexyl)phthalate	14.87	149	256017	1982.28 ug/L	98
84)	Di-n-octylphthalate	15.72	149	511483	2314.92 ug/L	98
85)	Benzofluoranthenes	16.39	252	920421	5081.53 ug/L	88
86)	Benzo(a)pyrene	16.95	252	446178	2621.03 ug/L	10
87)	Indeno(1,2,3-cd)pyrene	19.59	276	439833	2232.12 ug/L	97
88)	Dibenz(a,h)anthracene	19.66	278	473443	2625.32 ug/L	99
89)	Benzo(g,h,i)perylene	20.37	276	463390	2636.57 ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03454.D Vial: 0
Acq On : 15 Nov 2004 19:28 Operator: CLZ
Sample : 2500 UG/L 8270 ICAL STD NO 1281-1-9 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:25 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration



00657

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03455.D Vial: 0
Acq On : 15 Nov 2004 19:56 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:28:45 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.58	152	41132	1000.00	ug/L	-0.01
20) Naphthalene - d8 (I)	8.28	136	184094	1000.00	ug/L	-0.01
36) Acenaphthene - d10 (I)	10.29	162	115493	1000.00	ug/L	0.01
60) Phenanthrene - d10 (I)	11.88	188	160682	1000.00	ug/L	0.00
77) Chrysene - d12 (I)	14.80	240	271723+	1000.00	ul/l	-0.03
83) Perylene - d12 (I)	17.05	264	295365+	1000.00	ug/L	-0.04
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	0.00	112	0	0.00	ug/L	
6) Phenol - d5 (S)	0.00	99	0	0.00	ug/L	
21) Nitrobenzene - d5 (S)	0.00	82	0	0.00	ug/L	
41) 2 - Fluorobiphenyl (S)	0.00	172	0	0.00	ug/L	
63) 2,4,6 - Tribromophenol (S)	0.00	330	0	0.00	ug/L	
76) p - Terphenyl - d14 (S)	0.00	244	0	0.00	ug/L	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.16	42	56387	4196.56	ug/L	42
3) Pyridine	2.19	79	299907+	4677.38	ug/L	94
5) Aniline	6.17	93	58495	1081.11	ug/L	100
7) Phenol	6.21	94	52305	954.47	ug/L	87
8) bis(2-Chloroethyl)ether	6.30	63	61169	1066.65	ug/L	79
9) 2-Chlorophenol	6.32	128	54808	1081.60	ug/L	95
10) Decane	6.46	57	8355	345.31	ug/L	99
11) 1,3-Dichlorobenzene	6.52	146	44360	983.43	ug/L	99
12) 1,4-Dichlorobenzene	6.61	146	48579	998.33	ug/L	99
13) Benzyl alcohol	6.86	79	56748	928.93	ug/L	88
14) 1,2-Dichlorobenzene	6.87	146	37042	954.48	ug/L	73
15) 2-Methylphenol	7.07	108	37253	1052.08	ug/L	95
16) bis(2-chloroisopropyl)ethe	7.09	45	54094	958.13	ug/L	21
17) 3-&4-Methylphenol	7.28	108	38610	992.45	ug/L	94
18) n-Nitroso-di-n-propylamine	7.28	70	37071	1132.40	ug/L	98
19) Hexachloroethane	7.29	117	26325	994.33	ug/L	82
22) Nitrobenzene	7.43	77	40345	928.73	ug/L	75
23) Isophorone	7.75	82	63782	921.88	ug/L	100
24) 2-Nitrophenol	7.85	139	19176	925.01	ug/L	96
25) 2,4-Dimethylphenol	7.94	107	43698	985.78	ug/L	60
26) bis(2-Chloroethoxy)methane	8.06	93	28889	987.47	ug/L #	18
27) Benzoic Acid	8.09	105	89322	3574.18	ug/L	100
28) 2,4-Dichlorophenol	8.14	162	41157	987.71	ug/L	98
29) 1,2,4-Trichlorobenzene	8.23	180	35147	950.28	ug/L	100
30) Naphthalene	8.30	128	137458	963.91	ug/L	90
31) 4-Chloroaniline	8.42	127	53234	1179.96	ug/L	100
32) Hexachlorobutadiene	8.54	225	23445	880.16	ug/L	96
33) 4-Chloro-3-methylphenol	8.99	107	68617+	955.67	ug/L	87
34) 2-Methylnaphthalene	9.11	141	64980	980.74	ug/L	97
35) 1-Methylnaphthalene	9.23	141	68220	1013.41	ul/l	98
37) Hexachlorocyclopentadiene	9.38	237	45694	870.25	ug/L	99
38) 2,3-Dichloroaniline	9.48	161	49467	929.98	ug/L	94
39) 2,4,6-Trichlorophenol	9.47	196	23344	1108.53	ug/L #	57
40) 2,4,5-Trichlorophenol	9.51	196	29928	1031.62	ug/L	90
42) 2-Chloronaphthalene	9.66	162	64102	1001.30	ug/L	78
43) Biphenyl	9.65	154	118289	992.34	ug/L	91
44) 2-Nitroaniline	9.81	138	25756	1149.85	ug/L	70
45) Dimethylphthalate	10.06	163	104903	981.89	ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : U:\DATA\111504\B03455.D Vial: 0
Acq On : 15 Nov 2004 19:56 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:28:45 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration
DataAcq Meth :

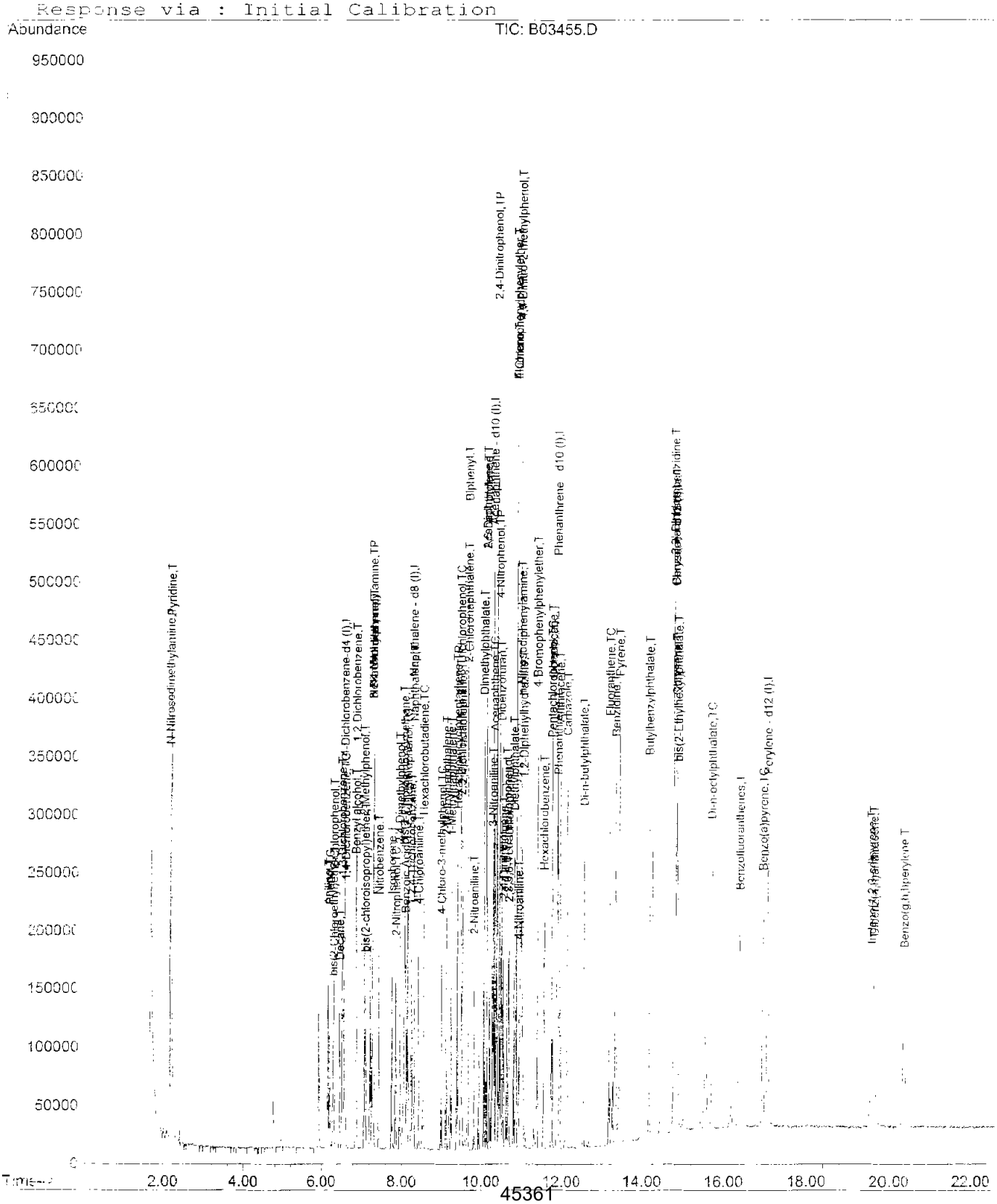
Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) Acenaphthylene	10.12	152	132832	948.10	ug/L		93
47) 2,6-Dinitrotoluene	10.12	165	19363	1166.26	ug/L		81
48) 3-Nitroaniline	10.27	138	19078	1052.05	ug/L	#	57
49) Acenaphthene	10.32	153	103427	1111.69	ug/L		100
50) 2,4-Dinitrophenol	10.38	184	105328+	5316.46	ug/L		87
51) 4-Nitrophenol	10.45	109	45500	4058.72	ug/L		71
52) Dibenzofuran	10.50	168	98260	1014.39	ug/L		80
53) 2,4-Dinitrotoluene	10.55	165	25984	958.16	ug/L		89
54) 2,3,4,6-Tetrachlorophenol	10.64	232	30965	1090.30	ug/L		96
55) 2,3,5,6-Tetrachlorophenol	10.68	232	32011	1112.60	ug/L		90
56) Diethylphthalate	10.82	149	81224	1054.41	ug/L		89
57) Fluorene	10.88	166	108168	1064.33	ug/L		79
58) 4-Chlorophenylphenylether	10.88	204	61064	1069.79	ug/L		87
59) 4-Nitroaniline	10.94	138	14782	944.32	ug/L		85
61) 4,6-Dinitro-2-methylphenol	10.98	198	130010	5532.90	ug/L		90
62) n-Nitrosodiphenylamine	11.01	169	87235	1218.29	ug/L		85
64) 1,2-Diphenylhydrazine	11.05	182	29578	1144.92	ug/L		97
65) 4-Bromophenylphenyletner	11.40	248	46892	1058.67	ug/L		88
66) Hexachlorobenzene	11.56	284	35054	977.08	ug/L		97
67) Pentachlorophenol	11.75	266	25817	991.85	ug/L		100
68) Phenanthrene	11.90	178	126265	1084.14	ug/L		99
69) Anthracene	11.95	178	131621	1050.62	ug/L		93
70) Octadecane	11.76	57	46539	1109.18	ug/L		90
71) Carbazole	12.13	167	109524	999.59	ug/L		99
72) Di-n-butylphthalate	12.55	149	141224	1055.81	ug/L		93
73) Fluoranthene	13.19	202	161222	1041.77	ug/L		86
74) Pyrene	13.43	202	156707	990.96	ug/L		94
75) Benzidine	13.33	184	169560	2080.28	ug/L		100
76) Butylbenzylphthalate	14.16	149	95437	1074.16	ug/L		99
79) Benzo(a)anthracene	14.78	228	184796	1047.01	ug/L		100
80) 3,3'-Dichlorobenzidine	14.75	252	168905	2516.08	ug/L		99
81) Chrysene	14.83	228	152655	961.75	ug/L		100
82) bis(2-Ethylhexyl)phthalate	14.86	149	129401	1007.38	ug/L		98
84) Di-n-octylphthalate	15.70	149	217329	959.94	ug/L		98
85) Benzofluoranthenes	16.37	252	361212	1971.55	ug/L		84
86) Benzo(a)pyrene	16.94	252	178062	1033.02	ug/L		100
87) Indeno(1,2,3-cd)pyrene	19.57	276	182569	945.69	ug/L		83
88) Dibenz(a,h)anthracene	19.63	278	190636	1047.14	ug/L		96
89) Benzo(g,h,i)perylene	20.33	276	181817	1023.70	ug/L		85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03455.D Vial: 0
Acq On : 15 Nov 2004 19:56 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:28 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Initial Calibration



00660

Evaluate Continuing Calibration Report

Data File : U:\DATA\111504\B03455.D Vial: 0
Acq On : 15 Nov 2004 19:56 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	94	-0.01
2	T	N-Nitrosodimethylamine	0.327	0.274#	16.2	87	-0.03
3	T	Pyridine	1.559	1.458#	6.5	81	-0.01
4	S	2 - Fluorophenol (S)	1.056	0.000#	100.0#	0#	-4.33#
5	T	Aniline	1.315	1.422#	-8.1	96	-0.02
6	S	Phenol - d5 (S)	1.247	0.000#	100.0#	0#	-6.20#
7	TC	Phenol	1.332	1.272#	4.5	79	0.00
8	T	bis(2-Chloroethyl)ether	1.394	1.487#	-6.7	99	0.00
9	T	2-Chlorophenol	1.232	1.332#	-8.1	99	-0.01
10	T	Decane	0.588	0.203#	65.5#	24#	0.00
11	T	1,3-Dichlorobenzene	1.097	1.078#	1.7	90	-0.01
12	TC	1,4-Dichlorobenzene	1.183	1.181#	0.2	88	0.00
13	T	Benzyl alcohol	1.485	1.380#	7.1	85	0.00
14	T	1,2-Dichlorobenzene	0.944	0.901#	4.6	80	-0.05
15	T	2-Methylphenol	0.861	0.906#	-5.2	93	-0.06
16	T	bis(2-chloroisopropyl)ether	1.373	1.315#	4.2	85	0.00
17	T	3-&4-Methylphenol	0.946	0.469#	50.4#	45#	-0.01
18	TP	n-Nitroso-di-n-propylamine	0.796	0.901	-13.2	100	-0.02
19	T	Hexachloroethane	0.644	0.640#	0.6	94	-0.05
20	I	Naphthalene - d8 (I)	1.000	1.000	0.0	88	-0.01
21	S	Nitrobenzene - d5 (S)	0.272	0.000#	100.0#	0#	-7.45#
22	T	Nitrobenzene	0.236	0.219#	7.2	84	0.00
23	T	Isophorone	0.376	0.346#	8.0	87	0.00
24	TC	2-Nitrophenol	0.113	0.104#	8.0	87	0.02
25	T	2,4-Dimethylphenol	0.241	0.237#	1.7	90	-0.03
26	T	bis(2-Chloroethoxy)methane	0.159	0.157#	1.3	92	-0.01
27	T	Benzoic Acid	0.136	0.097#	28.7#	64	-0.11
28	TC	2,4-Dichlorophenol	0.226	0.224#	0.9	98	0.00
29	T	1,2,4-Trichlorobenzene	0.201	0.191#	5.0	82	-0.01
30	T	Naphthalene	0.775	0.747#	3.6	86	0.00
31	T	4-Chloroaniline	0.245	0.289#	-18.0	98	0.00
32	TC	Hexachlorobutadiene	0.145	0.127#	12.4	78	-0.01
33	TC	4-Chloro-3-methylphenol	0.390	0.373#	4.4	89	-0.07
34	T	2-Methylnaphthalene	0.360	0.353#	1.9	90	-0.02
35	T	1-Methylnaphthalene	0.366	0.371#	-1.4	101	-0.03
36	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	87	0.01
37	TP	Hexachlorocyclopentadiene	0.455	0.396	13.0	82	0.00
38	T	2,3-Dichloroaniline	0.461	0.428#	7.2	81	0.00
39	TC	2,4,6-Trichlorophenol	0.182	0.202#	-11.0	96	0.00
40	T	2,4,5-Trichlorophenol	0.251	0.259#	-3.2	99	0.00
41	S	2 - Fluorobiphenyl (S)	0.755	0.000#	100.0#	0#	-9.54#
42	T	2-Chloronaphthalene	0.554	0.555#	-0.2	88	-0.01
43	T	Biphenyl	1.032	1.024#	0.8	99	0.00
44	T	2-Nitroaniline	0.194	0.223#	-14.9	107	0.00
45	T	Dimethylphthalate	0.925	0.906#	1.8	91	0.02
46	T	Acenaphthylene	1.213	1.150#	5.2	87	0.02
47	T	2,6-Dinitrotoluene	0.144	0.168#	-16.7	112	0.00
48	T	3-Nitroaniline	0.157	0.165#	-5.1	96	0.00
49	TC	Acenaphthene	0.806	0.896#	-11.2	102	0.02
50	TP	2,4-Dinitrophenol	0.172	0.182	-5.8	105	0.01
51	TP	4-Nitrophenol	0.097	0.079	18.6	88	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : U:\DATA\111504\B03455.D Vial: 0
Acq On : 15 Nov 2004 19:56 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	Dibenzofuran	0.839	0.851#	-1.4	92	0.00
53	T	2,4-Dinitrotoluene	0.235	0.225#	4.3	89	0.02
54	T	2,3,4,6-Tetrachlorophenol	0.246	0.268#	-8.9	102	0.02
55	T	2,3,5,6-Tetrachlorophenol	0.249	0.277#	-11.2	93	0.00
56	T	Diethylphthalate	0.667	0.703#	-5.4	100	0.02
57	T	Fluorene	0.880	0.937#	-6.5	103	0.00
58	T	4-Chlorophenylphenylether	0.494	0.529#	-7.1	102	0.00
59	T	4-Nitroaniline	0.136	0.128#	5.9	81	0.01
60	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	87	0.00
61	T	4,6-Dinitro-2-methylphenol	0.146	0.162#	-11.0	96	0.00
62	T	n-Nitrosodiphenylamine	0.446	0.543#	-21.7#	112	-0.03
63	S	2,4,6 - Tribromophenol (S)	0.190	0.000#	100.0#	0#	-11.16#
64	T	1,2-Diphenylhydrazine	0.161	0.184#	-14.3	96	-0.01
65	T	4-Bromophenylphenylether	0.276	0.292#	-5.8	99	0.00
66	T	Hexachlorobenzene	0.223	0.218#	2.2	86	-0.01
67	TC	Pentachlorophenol	0.162	0.161#	0.6	90	-0.02
68	T	Phenanthrene	0.725	0.786#	-8.4	97	-0.02
69	T	Anthracene	0.780	0.819#	-5.0	90	-0.01
70	T	Octadecane	0.261	0.290#	-11.1	88	0.04
71	T	Carbazole	0.682	0.682#	0.0	91	-0.04
72	T	Di-n-butylphthalate	0.832	0.879#	-5.6	97	0.02
73	TC	Fluoranthene	0.963	1.003#	-4.2	93	-0.02
74	T	Pyrene	0.984	0.975#	0.9	90	0.00
75	T	Benzidine	0.507	0.211#	58.4#	35#	0.00
76	S	p - Terphenyl - d14 (S)	0.851	0.000#	100.0#	0#	-13.60#
77	I	Chrysene - d12 (I)	1.000	1.000	0.0	90	-0.03
78	T	Butylbenzylphthalate	0.293	0.314#	-7.2	105	-0.01
79	T	Benzo(a)anthracene	0.650	0.680#	-4.6	98	0.00
80	T	3,3'-Dichlorobenzidine	0.247	0.622#	-151.8#	222#	-0.04
81	T	Chrysene	0.584	0.562#	3.8	87	-0.01
82	T	bis(2-Ethylhexyl)phthalate	0.473	0.476#	-0.6	87	-0.01
83	I	Perylene - d12 (I)	1.000	1.000	0.0	90	-0.04
84	TC	Di-n-octylphthalate	0.767	0.736#	4.0	90	-0.06
85	T	Benzofluoranthenes	0.620	0.611#	1.5	93	-0.04
86	TC	Benzo(a)pyrene	0.584	0.603#	-3.3	97	-0.08
87	T	Indeno(1,2,3-cd)pyrene	0.654	0.618#	5.5	92	0.04
88	T	Dibenz(a,h)anthracene	0.616	0.645#	-4.7	95	0.06
89	T	Benzo(g,h,i)perylene	0.601	0.616#	-2.5	92	-0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : U:\DATA\111504\B03455.D Vial: 0
Acq On : 15 Nov 2004 19:56 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	94	-0.01
2	T	N-Nitrosodimethylamine	5000.000	4196.559	16.1	87	-0.03
3	T	Pyridine	5000.000	4677.387	6.5	81	-0.01
4	S	2 - Fluorophenol (S)	1000.000	0.000	100.0#	0	-4.33#
5	T	Aniline	1000.000	1081.108	-8.1	96	-0.02
6	S	Phenol - d5 (S)	1000.000	0.000	100.0#	0	-6.20#
7	TC	Phenol	1000.000	954.467	4.6	79	0.00
8	T	bis(2-Chloroethyl)ether	1000.000	1066.649	-6.7	99	0.00
9	T	2-Chlorophenol	1000.000	1081.659	-8.2	99	-0.01
10	T	Decane	1000.000	345.310	65.5#	24	0.00
11	T	1,3-Dichlorobenzene	1000.000	983.425	1.7	90	-0.01
12	TC	1,4-Dichlorobenzene	1000.000	998.327	0.2	88	0.00
13	T	Benzyl alcohol	1000.000	928.935	7.1	85	0.00
14	T	1,2-Dichlorobenzene	1000.000	954.480	4.6	80	-0.05
15	T	2-Methylphenol	1000.000	1052.077	-5.2	93	-0.06
16	T	bis(2-chloroisopropyl)ether	1000.000	958.117	4.2	85	0.00
17	T	3-&4-Methylphenol	2000.000	992.446	50.4#	45	-0.01
18	TP	n-Nitroso-di-n-propylamine	1000.000	1132.405	-13.2	100	-0.02
19	T	Hexachloroethane	1000.000	994.334	0.6	94	-0.05
20	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	88	-0.01
21	S	Nitrobenzene - d5 (S)	1000.000	0.000	100.0#	0	-7.45#
22	T	Nitrobenzene	1000.000	928.729	7.1	84	0.00
23	T	Isophorone	1000.000	921.884	7.8	87	0.00
24	TC	2-Nitrophenol	1000.000	925.007	7.5	87	0.02
25	T	2,4-Dimethylphenol	1000.000	985.753	1.4	90	-0.03
26	T	bis(2-Chloroethoxy)methane	1000.000	987.466	1.3	92	-0.01
27	T	Benzoic Acid	5000.000	3574.178	28.5#	64	-0.11
28	TC	2,4-Dichlorophenol	1000.000	987.723	1.2	98	0.00
29	T	1,2,4-Trichlorobenzene	1000.000	950.283	5.0	82	-0.01
30	T	Naphthalene	1000.000	963.918	3.6	86	0.00
31	T	4-Chloroaniline	1000.000	1179.963	-18.0	94	0.00
32	TC	Hexachlorobutadiene	1000.000	880.159	12.0	78	-0.01
33	TC	4-Chloro-3-methylphenol	1000.000	955.674	4.4	89	-0.07
34	T	2-Methylnaphthalene	1000.000	980.742	1.9	90	-0.02
35	T	1-Methylnaphthalene	1000.000	1013.411	-1.3	101	-0.03
36	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	87	0.01
37	TP	Hexachlorocyclopentadiene	1000.000	870.346	13.0	82	0.00
38	T	2,3-Dichloroaniline	1000.000	929.984	7.0	81	0.00
39	TC	2,4,6-Trichlorophenol	1000.000	1108.532	-10.9	96	0.00
40	T	2,4,5-Trichlorophenol	1000.000	1031.621	-3.2	99	0.00
41	S	2 - Fluorobiphenyl (S)	1000.000	0.000	100.0#	0	-9.54#
42	T	2-Chloronaphthalene	1000.000	1001.303	-0.1	88	-0.01
43	T	Biphenyl	1000.000	992.341	0.8	99	0.00
44	T	2-Nitroaniline	1000.000	1149.847	-15.0	107	0.00
45	T	Dimethylphthalate	1000.000	981.895	1.8	91	0.01
46	T	Acenaphthylene	1000.000	948.097	5.2	87	0.01
47	T	2,6-Dinitrotoluene	1000.000	1166.263	-16.6	112	0.00
48	T	3-Nitroaniline	1000.000	1052.048	-5.2	96	0.01
49	TC	Acenaphthene	1000.000	1111.687	-11.2	102	0.01
50	TP	2,4-Dinitrophenol	5000.000	5316.459	-6.3	105	0.01
51	TP	4-Nitrophenol	5000.000	4058.723	18.8	88	0.00

(#) = Out of Range

45367

00663

Evaluate Continuing Calibration Report

Data File : U:\DATA\111504\B03455.D Vial: 0
Acq On : 15 Nov 2004 19:56 Operator: CLZ
Sample : 1000 UG/L 8270 CCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:26:46 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	T	Dibenzofuran	1000.000	1014.387	-1.4	92	0.00
53	T	2,4-Dinitrotoluene	1000.000	958.163	4.2	89	0.02
54	T	2,3,4,6-Tetrachlorophenol	1000.000	1090.304	-9.0	102	0.02
55	T	2,3,5,6-Tetrachlorophenol	1000.000	1112.603	-11.3	93	0.00
56	T	Diethylphthalate	1000.000	1054.407	-5.4	100	0.02
57	T	Fluorene	1000.000	1064.327	-6.4	103	0.00
58	T	4-Chlorophenylphenylether	1000.000	1069.787	-7.0	102	0.00
59	T	4-Nitroaniline	1000.000	944.316	5.6	81	0.01
60	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	87	0.00
61	T	4,6-Dinitro-2-methylphenol	5000.000	5532.897	-10.7	96	0.00
62	T	n-Nitrosodiphenylamine	1000.000	1218.291	-21.8#	112	-0.01
63	S	2,4,6 - Tribromophenol (S)	1000.000	0.000	100.0#	0	-11.16#
64	T	1,2-Diphenylhydrazine	1000.000	1144.919	-14.5	98	-0.01
65	T	4-Bromophenylphenylether	1000.000	1058.673	-5.9	99	0.00
66	T	Hexachlorobenzene	1000.000	977.080	2.3	86	-0.01
67	TC	Pentachlorophenol	1000.000	991.846	0.8	90	-0.02
68	T	Phenanthrene	1000.000	1084.143	-8.4	97	-0.02
69	T	Anthracene	1000.000	1050.622	-5.1	90	-0.01
70	T	Octadecane	1000.000	1109.181	-10.9	88	0.04
71	T	Carbazole	1000.000	999.589	0.0	91	-0.04
72	T	Di-n-butylphthalate	1000.000	1055.807	-5.6	97	0.02
73	TC	Fluoranthene	1000.000	1041.769	-4.2	93	-0.02
74	T	Pyrene	1000.000	990.964	0.9	90	0.00
75	T	Benzidine	5000.000	2080.281	58.4#	35	0.00
76	S	p - Terphenyl - d14 (S)	1000.000	0.000	100.0#	0	-13.60#
77	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	90	-0.03
78	T	Butylbenzylphthalate	1000.000	1074.161	-7.4	105	-0.01
79	T	Benzo(a)anthracene	1000.000	1047.007	-4.7	98	0.00
80	T	3,3'-Dichlorobenzidine	1000.000	2516.081	-151.6#	222	-0.04
81	T	Chrysene	1000.000	961.754	3.8	87	-0.01
82	T	bis(2-Ethylhexyl)phthalate	1000.000	1007.378	-0.7	87	-0.01
83	I	Perylene - d12 (I)	1000.000	1000.000	0.0	90	-0.04
84	TC	Di-n-octylphthalate	1000.000	959.935	4.0	90	-0.06
85	T	Benzofluoranthenes	2000.000	1971.546	1.4	93	-0.04
86	TC	Benzo(a)pyrene	1000.000	1033.016	-3.3	97	-0.08
87	T	Indeno(1,2,3-cd)pyrene	1000.000	945.693	5.4	92	0.04
88	T	Dibenz(a,h)anthracene	1000.000	1047.144	-4.7	95	0.06
89	T	Benzo(g,h,i)perylene	1000.000	1023.701	-2.4	92	-0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration

Calibration Files
50 =A08142.D 2000 =A08148.D 1500 =A08147.D
1000 =A08146.D 500 =A08145.D 200 =A08144.D

		Compound	50	2000	1500	1000	500	200	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------		
2)	T	N-Nitrosodimeth		0.306	0.309	0.284	0.306	0.304	0.290#	6.52
3)	T	Pyridine		1.322	1.415	1.297	1.392	1.436	1.341#	7.05
4)	S	2 - Fluorophenol		0.813	0.873	0.750	0.799	0.867	0.798#	7.18
5)	T	Cyclohexanone		0.428	0.431	0.362	0.410	0.479	0.370#	29.47
6)	T	Aniline		1.187	1.092	1.000	0.961	0.779	0.965#	17.26
7)	S	Phenol - d5 (S)		0.920	0.883	0.853	0.915	0.954	0.867#	9.25
8)	TC	Phenol	1.116	1.150	1.018	0.851	0.921	1.020	0.962#	14.84
9)	T	bis(2-Chloroeth		0.939	0.844	0.869	0.874	0.850	0.852#	7.71
10)	T	2-Chlorophenol	1.153	0.903	0.930	0.860	0.899	1.006	0.924#	11.95
11)	T	Decane	1.162	0.858	0.865	0.847	0.867	1.008	0.909#	12.92
12)	T	1,3-Dichloroben	1.150	1.156	1.179	1.123	1.041	1.302	1.115#	9.79
13)	TC	1,4-Dichloroben	1.131	1.244	1.100	0.998	1.046	1.202	1.090#	8.87
14)	T	Benzyl alcohol	0.991	1.115	1.018	0.962	1.061	1.058	1.023#	5.10
15)	T	1,2-Dichloroben	1.083	1.116	1.083	1.054	1.198	1.201	1.101#	6.33
16)	T	2-Methylphenol	0.848	0.700	0.672	0.592	0.735	0.788	0.696#	13.08
17)	T	bis(2-chloroiso		0.113	0.120	0.106	0.112	0.118	0.111#	7.58
18)	T	3-&4-Methylphen	0.662	0.703	0.661	0.644	0.701	0.659	0.644#	9.29
19)	TP	n-Nitroso-di-n-	0.617	0.632	0.587	0.566	0.613	0.692	0.599	9.76
20)	T	Acetophenone	1.862	1.986	1.913	1.709	1.745	2.155	1.903#	10.76
21)	T	Hexachloroethan	0.193	0.272	0.240	0.232	0.269	0.347	0.251#	18.52
22)	I	Naphthalene - d8 (I)	----------	----------	----------	ISTD	----------	----------		
23)	S	Nitrobenzene -	0.247	0.263	0.251	0.284	0.277	0.223	0.253#	10.74
24)	T	Nitrobenzene	0.232	0.236	0.235	0.269	0.286	0.219	0.257#	13.60
25)	T	Isophorone	0.450	0.390	0.412	0.436	0.431	0.448	0.430#	4.92
26)	TC	2-Nitrophenol	0.115	0.143	0.144	0.169	0.152	0.132	0.140#	15.01
27)	T	2,4-Dimethylphe	0.355	0.329	0.302	0.331	0.385	0.369	0.335#	8.88
28)	T	bis(2-Chloroeth		0.270	0.248	0.256	0.276	0.304	0.268#	8.62
29)	T	Benzoic Acid		0.184	0.235	0.173	0.177	0.130	0.175#	21.47
30)	TC	2,4-Dichlorophe	0.166	0.207	0.191	0.220	0.193	0.207	0.198#	8.68
31)	T	1,2,4-Trichloro	0.190	0.239	0.212	0.272	0.266	0.251	0.238#	11.42
32)	T	Naphthalene	0.721	0.713	0.690	0.795	0.784	0.773	0.779#	8.80
33)	T	4-Chloroaniline		0.244	0.252	0.272	0.283	0.191	0.235#	16.97
34)	TC	Hexachlorobutad	0.170	0.174	0.171	0.210	0.186	0.183	0.189#	12.01
35)	TC	4-Chloro-3-meth	0.287	0.320	0.281	0.311	0.356	0.308	0.303#	11.24
36)	T	2-Methylnaphtha	0.487	0.501	0.435	0.530	0.562	0.550	0.469#	37.94
37)	T	1-Methylnaphtha	0.482	0.512	0.435	0.495	0.536	0.502	0.507#	8.80
38)	I	Acenaphthene - d10 (I	----------	----------	----------	ISTD	----------	----------		
39)	TP	Hexachlorocyclo	0.254	0.303	0.288	0.302	0.270	0.254	0.271	12.76
40)	T	2,3-Dichloroani	0.401	0.450	0.426	0.415	0.440	0.416	0.423#	6.21
41)	TC	2,4,6-Trichloro	0.204	0.188	0.190	0.225	0.221	0.172	0.202#	9.50
42)	T	2,4,5-Trichloro	0.179	0.250	0.271	0.211	0.249	0.223	0.225#	13.70
43)	S	2 - Fluorobiphe	0.742	0.778	0.782	0.791	0.825	0.768	0.760#	5.06
44)	T	2-Chloronaphtha	0.671	0.695	0.627	0.795	0.685	0.779	0.700#	8.07
45)	T	Biphenyl	0.777	0.972	0.828	0.820	0.852	0.866	0.837#	7.13
46)	T	2-Nitroaniline	0.196	0.291	0.284	0.240	0.285	0.211	0.246#	14.98
47)	T	Dimethylphthala	0.956	1.113	1.058	1.021	1.127	1.045	1.037#	5.90
48)	I	Acenaphthylene	1.177	1.151	1.033	1.036	1.018	1.077	1.095#	6.50
49)	T	2,6-Dinitrotolu	0.197	0.224	0.229	0.215	0.207	0.140	0.195#	15.89
50)	T	3-Nitroaniline	0.165	0.239	0.208	0.227	0.243	0.157	0.204#	17.48
51)	TC	Acenaphthene	0.795	0.930	0.735	0.780	0.828	0.829	0.812#	6.50
52)	TP	2,4-Dinitrophen		0.124	0.126	0.112	0.104	0.080	0.106	21.32
53)	TP	4-Nitrophenol		0.220	0.200	0.240	0.218	0.222	0.213	9.82

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration

Calibration Files
50 =A08142.D 2000 =A08148.D 1500 =A08147.D
1000 =A08146.D 500 =A08145.D 200 =A08144.D

		Compound	50	2000	1500	1000	500	200	Avg	%RSD
54)	T	Dibenzofuran	0.917	0.989	0.937	0.984	1.094	0.999	0.989#	5.29
55)	T	2,4-Dinitrotolu		0.380	0.358	0.370	0.335	0.318	0.346#	8.89
56)	T	2,3,4,6-Tetrach	0.152	0.265	0.237	0.208	0.220	0.175	0.191#	31.15
57)	T	2,3,5,6-Tetrach		0.233	0.228	0.209	0.228	0.173	0.203#	16.03
58)	T	Diethylphthalat		1.001	1.035	1.167	1.127	1.039	1.075#	10.10
59)	T	Fluorene	0.664	0.799	0.733	0.721	0.685	0.690	0.710#	7.61
60)	T	4-Chlorophenylp		0.493	0.449	0.452	0.491	0.479	0.463#	8.27
61)	T	4-Nitroaniline		0.260	0.244	0.225	0.217	0.189	0.222#	11.67
62)	I	Phenanthrene - d10 (I	----------	----------	----------	ISTD	----------	----------		
63)	T	4,6-Dinitro-2-m	0.083	0.128	0.120	0.114	0.108	0.088	0.101#	22.84
64)	T	n-Nitrosodiphen	0.358	0.457	0.380	0.407	0.396	0.380	0.379#	12.95
65)	S	2,4,6 - Tribrom	0.082	0.146	0.119	0.140	0.127	0.111	0.118#	16.97
66)	T	1,2-Diphenylhyd		0.224	0.177	0.210	0.213	0.189	0.191#	15.12
67)	T	4-Bromophenylph		0.193	0.176	0.179	0.196	0.220	0.195#	7.94
68)	T	Hexachlorobenze	0.200	0.200	0.180	0.201	0.196	0.185	0.192#	5.13
69)	TC	Pentachlorophen		0.146	0.120	0.114	0.120	0.093	0.116#	16.51
70)	T	Phenanthrene	0.788	0.813	0.759	0.817	0.794	0.738	0.764#	7.00
71)	T	Anthracene	0.759	0.803	0.693	0.698	0.753	0.668	0.707#	8.47
72)	T	Octadecane	0.499	0.394	0.385	0.402	0.403	0.460	0.434#	15.10
73)	T	Carbazole		0.790	0.688	0.678	0.666	0.643	0.681#	7.38
74)	T	Di-n-butylphtha		1.280	1.174	1.467	1.153	1.316	1.298#	10.69
75)	TC	Fluoranthene	0.817	0.921	0.766	0.874	0.782	0.809	0.826#	6.60
76)	T	Pyrene	0.775	0.905	0.847	0.874	0.871	0.803	0.834#	5.72
77)	T	Benzidine		0.894	0.693	0.753	0.729	0.675	0.751#	10.64
78)	S	p - Terphenyl -	0.693	0.865	0.646	0.717	0.680	0.637	0.713#	9.76
79)	I	Chrysene - d12 (I)	----------	----------	----------	ISTD	----------	----------		
80)	T	Butylbenzylphth		0.484	0.520	0.359	0.487	0.486	0.518#	20.41
81)	T	Benzo(a)anthrac	0.742	0.729	0.856	0.780	0.815	0.666	0.731#	12.52
82)	T	3,3'-Dichlorobe		0.438	0.513	0.542	0.529	0.571	0.508#	10.17
83)	T	Chrysene	0.629	0.621	0.579	0.674	0.672	0.594	0.635#	5.89
84)	T	bis(2-Ethylhexy		0.814	0.861	0.991	1.004	0.926	0.912#	8.23
85)	I	Perylene - d12 (I)	----------	----------	----------	ISTD	----------	----------		
86)	TC	Di-n-octylphtha		1.218	1.213	1.307	1.464	1.540	1.327#	10.74
87)	T	Benzofluoranthe	0.703	0.768	0.701	0.759	0.795	0.790	0.753#	4.97
88)	TC	Benzo(a)pyrene	0.657	0.732	0.643	0.695	0.739	0.727	0.697#	5.79
89)	T	Indeno(1,2,3-cd	0.916	0.964	0.890	0.955	1.034	1.011	0.971#	5.28
90)	T	Dibenz(a,h)anth	0.841	0.806	0.743	0.802	0.851	0.823	0.800#	7.20
91)	T	Benzo(g,h,i)per	0.651	0.806	0.733	0.826	0.809	0.855	0.788#	8.08

(# = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08141.D Vial: 0
Acq On : 16 Nov 2004 16:33 Operator: CLZ
Sample : 20 UG/L 8270 ICAL STD NO 1281-1-1 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:00:46 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:00:15 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.99	152	95166	1000.00 ug/L	0.00
22) Naphthalene - d8 (I)	7.51	136	333848	1000.00 ug/L	0.00
38) Acenaphthene - d10 (I)	9.48	162	204749	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.08	188	264275	1000.00 ug/L	0.01
79) Chrysene - d12 (I)	14.12	240	378087	1000.00 ug/L	0.01
85) Perylene - d12 (I)	16.79	264	449444	1000.00 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.40	112	1184	14.33 ug/L	0.02
7) Phenol - d5 (S)	5.62	99	1400	15.88 ug/L	0.04
23) Nitrobenzene - d5 (S)	6.70	82	1336	13.66 ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.74	172	2875	14.98 ug/L	0.02
65) 2,4,6 - Tribromophenol (S)	10.35	330	380	8.07 ug/L	0.00
78) p - Terphenyl - d14 (S)	12.79	244	4084	21.25 ug/L	-0.04
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.62	74	2521	113.04 ug/L	100
3) Pyridine	2.57	79	3028+	26.44 ug/L	88
5) Cyclohexanone	0.00	55	0	N.D.	
6) Aniline	5.65	93	1552	15.27 ug/L	100
8) Phenol	5.63	94	1885	20.07 ug/L	29
9) bis(2-Chloroethyl)ether	5.72	63	1421	22.90 ug/L	100
10) 2-Chlorophenol	5.77	128	1641	17.06 ug/L	30
11) Decane	5.84	57	2232	27.85 ug/L	97
12) 1,3-Dichlorobenzene	5.95	146	1984	16.58 ug/L	98
13) 1,4-Dichlorobenzene	5.95	146	1984	15.49 ug/L	71
14) Benzyl alcohol	6.20	79	3337	37.57 ug/L	73
15) 1,2-Dichlorobenzene	6.24	146	1910	16.31 ug/L	75
16) 2-Methylphenol	6.36	108	1396	20.66 ug/L	76
17) bis(2-chloroisopropyl)ethe	6.39	121	736	105.52 ug/L	100
18) 3-&4-Methylphenol	6.54	108	1996	30.00 ug/L #	77
19) n-Nitroso-di-n-propylamine	6.55	70	757	14.25 ug/L	64
20) Acetophenone	6.52	105	3794	21.49 ug/L	44
21) Hexachloroethane	6.60	166	608	25.57 ug/L #	51
24) Nitrobenzene	6.72	77	971	10.27 ug/L	42
25) Isophorone	7.00	82	2116	13.06 ug/L	91
26) 2-Nitrophenol	7.09	139	476	7.64 ug/L	47
27) 2,4-Dimethylphenol	7.15	107	1962	17.87 ug/L	74
28) bis(2-Chloroethoxy)methane	7.26	93	2186	22.86 ug/L	92
29) Benzoic Acid	7.21	105	1544	17.91 ug/L	100
30) 2,4-Dichlorophenol	7.36	162	840	8.90 ug/L #	30
31) 1,2,4-Trichlorobenzene	7.46	180	1321	12.50 ug/L #	72
32) Naphthalene	7.53	128	6169	22.18 ug/L	77
33) 4-Chloroaniline	7.63	127	1007	9.37 ug/L	64
34) Hexachlorobutadiene	7.75	225	1030	12.32 ug/L	91
35) 4-Chloro-3-methylphenol	8.17	107	2039	16.21 ug/L	98
36) 2-Methylnaphthalene	8.36	141	121	N.D.	
37) 1-Methylnaphthalene	8.44	141	3569	16.82 ug/L	93
39) Hexachlorocyclopentadiene	8.56	237	683	8.71 ug/L	95
40) 2,3-Dichloroaniline	8.67	161	1708	13.44 ug/L	91
41) 2,4,6-Trichlorophenol	8.65	196	454	6.91 ug/L #	50
42) 2,4,5-Trichlorophenol	8.70	196	675	9.43 ug/L	77
44) 2-Chloronaphthalene	8.85	162	2828	14.01 ug/L	66
45) Biphenyl	8.83	154	3169	14.75 ug/L	69

= qualifier out of range (m) = manual integration

45375
00667

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08141.D Vial: 0
Acq On : 16 Nov 2004 16:33 Operator: CLZ
Sample : 20 UG/L 8270 ICAL STD NO 1281-1-1 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:00:46 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:00:15 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	2-Nitroaniline	8.99	138	685	9.31	ug/L	#	1
47)	Dimethylphthalate	9.22	163	2846	9.29	ug/L		96
48)	Acenaphthylene	9.32	152	4503	17.20	ug/L		86
49)	2,6-Dinitrotoluene	9.24	165	220	3.61	ug/L		52
50)	3-Nitroaniline	9.44	138	573	9.18	ug/L	#	25
51)	Acenaphthene	9.52	153	3232	18.03	ug/L		100
52)	2,4-Dinitrophenol	9.55	184	549	16.76	ug/L	#	1
53)	4-Nitrophenol	9.61	109	3851	91.94	ug/L		74
54)	Dibenzofuran	9.69	168	3769	14.57	ug/L		88
55)	2,4-Dinitrotoluene	9.72	165	1114	11.41	ug/L		64
56)	2,3,4,6-Tetrachlorophenol	9.81	232	394	6.28	ug/L	#	26
57)	2,3,5,6-Tetrachlorophenol	9.87	232	534	8.48	ul/l		73
58)	Diethylphthalate	9.97	149	3014	11.49	ug/L		69
59)	Fluorene	10.06	166	2568	14.95	ug/L		42
60)	4-Chlorophenylphenylether	10.05	204	1540	12.03	ug/L	#	6
61)	4-Nitroaniline	10.11	138	767	12.81	ug/L		62
63)	4,6-Dinitro-2-methylphenol	10.16	198	1577	37.75	ug/L		72
64)	n-Nitrosodiphenylamine	10.18	169	1559	13.50	ug/L	#	1
66)	1,2-Diphenylhydrazine	10.22	182	887	13.81	ug/L	#	1
67)	4-Bromophenylphenylether	10.58	248	842	11.28	ug/L	#	32
68)	Hexachlorobenzene	10.75	284	919	15.58	ug/L		53
69)	Pentachlorophenol	10.94	266	474	11.28	ug/L		71
70)	Phenanthrene	11.10	178	3401	16.01	ug/L		56
71)	Anthracene	11.15	178	3143	14.87	ug/L		46
72)	Octadecane	10.91	57	3393	29.29	ug/L		91
73)	Carbazole	11.32	167	3522	18.28	ug/L		84
74)	Di-n-butylphthalate	11.71	149	8326	24.70	ug/L		95
75)	Fluoranthene	12.39	202	3980	18.62	ug/L		83
76)	Pyrene	12.64	202	4090	19.89	ug/L		66
77)	Benzidine	12.52	184	15905	102.14	ug/L		100
80)	Butylbenzylphthalate	13.44	149	1718	6.91	ug/L		53
81)	Benzo(a)anthracene	14.10	228	4401	13.95	ug/L		8
82)	3,3'-Dichlorobenzidine	14.05	252	4524+	18.13	ug/L		94
83)	Chrysene	14.15	228	4786	17.41	ug/L		93
84)	bis(2-Ethylhexyl)phthalate	14.11	149	12377	29.46	ug/L		71
86)	Di-n-octylphthalate	15.14	149	3599	5.53	ug/L		84
87)	Benzofluoranthenes	15.97	252	13030	35.64	ug/L		90
88)	Benzo(a)pyrene	16.67	252	6023	17.53	ug/L		100
89)	Indeno(1,2,3-cd)pyrene	19.88	276	8320	18.34	ug/L		100
90)	Dibenz(a,h)anthracene	19.95	278	6090	16.20	ug/L		100
91)	Benzo(g,h,i)perylene	20.83	276	6834	18.95	ug/L		100

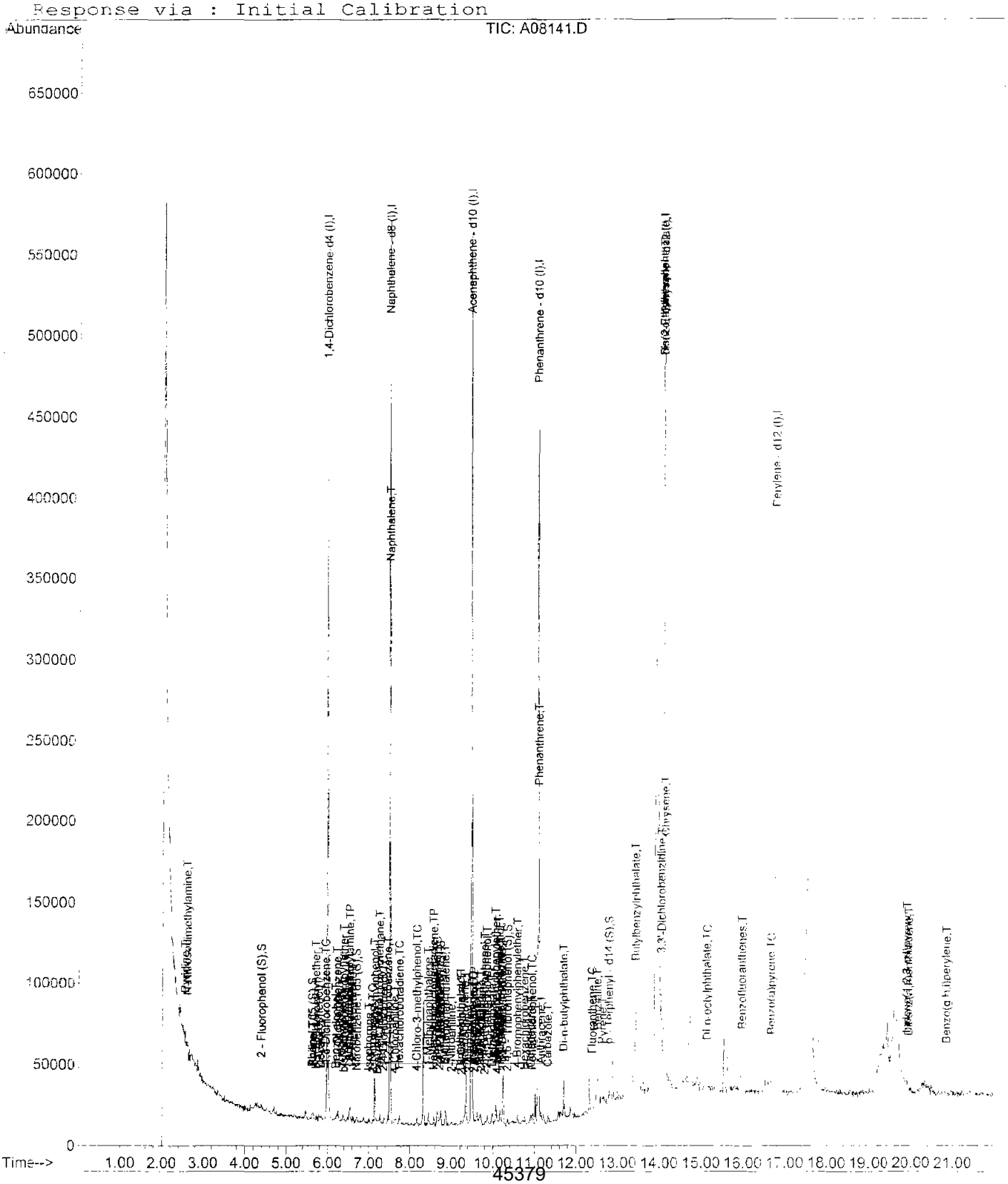
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08141.D
Acq On : 16 Nov 2004 16:33
Sample : 20 UG/L 8270 ICAL STD NO 1281-1-1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:00 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\111604\A08142.D Vial: 0
Acq On : 16 Nov 2004 17:11 Operator: CLZ
Sample : 50 UG/L 8270 ICAL STD NO 1281-1-2 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:01:15 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:01:09 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.99	152	93558	1000.00 ug/L	0.01
22) Naphthalene - d8 (I)	7.50	136	341517	1000.00 ug/L	-0.01
38) Acenaphthene - d10 (I)	9.47	162	214760	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.07	188	332257	1000.00 ug/L	0.00
79) Chrysene - d12 (I)	14.11	240	497117	1000.00 ul/l	0.00
83) Perylene - d12 (I)	16.78	264	583364	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.40	112	3615	44.50 ug/L	0.02
7) Phenol - d5 (S)	5.62	99	3642	42.01 ug/L	0.04
23) Nitrobenzene - d5 (S)	6.69	82	4225	45.10 ug/L	0.02
43) 2 - Fluorobiphenyl (S)	8.73	172	7972	40.96 ug/L	0.00
65) 2,4,6 - Tribromophenol (S)	10.34	330	1365	23.06 ug/L	-0.02
78) p - Terphenyl - d14 (S)	12.78	244	11520	47.51 ug/L	-0.05
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.63	74	6144	275.32 ug/L	100
3) Pyridine	2.71	79	34108+	302.99 ug/L	91
5) Cyclohexanone	4.69	55	1795	49.91 ug/L	95
6) Aniline	5.65	93	3871	38.73 ug/L	100
8) Phenol	5.64	94	5219	56.52 ug/L #	91
9) bis(2-Chloroethyl)ether	5.72	63	4651	76.26 ug/L	100
10) 2-Chlorophenol	5.77	128	5394	57.05 ug/L	75
11) Decane	5.83	57	5437	69.02 ug/L	88
12) 1,3-Dichlorobenzene	5.94	146	5387	45.79 ug/L	89
13) 1,4-Dichlorobenzene	6.00	146	5292	42.04 ug/L	84
14) Benzyl alcohol	6.20	79	4638	53.12 ug/L	94
15) 1,2-Dichlorobenzene	6.24	146	5067	44.00 ug/L	75
16) 2-Methylphenol	6.36	108	3968	59.73 ug/L	77
17) bis(2-chloroisopropyl)ethe	6.39	121	281	40.20 ug/L	100
18) 3-&4-Methylphenol	6.53	108	6196	94.72 ug/L	95
19) N-Nitroso-di-n-propylamine	6.55	70	2887	55.27 ug/L	91
20) Acetophenone	6.52	105	8708	50.18 ug/L #	30
21) Hexachloroethane	6.60	166	903	38.32 ug/L #	59
24) Nitrobenzene	6.71	77	3963	40.99 ug/L	65
25) Isophorone	6.99	82	7689	47.09 ug/L	88
26) 2-Nitrophenol	7.09	139	1956	30.68 ug/L	94
27) 2,4-Dimethylphenol	7.15	107	6054	53.78 ug/L	99
28) bis(2-Chloroethoxy)methane	7.26	93	5038	53.75 ug/L	89
29) Benzoic Acid	7.20	105	7270	82.41 ug/L	100
30) 2,4-Dichlorophenol	7.36	162	2828	29.30 ug/L	83
31) 1,2,4-Trichlorobenzene	7.46	180	3251	30.07 ug/L	84
32) Naphthalene	7.53	128	12489	43.78 ug/L	82
33) 4-Chloroaniline	7.62	127	2934	26.68 ug/L	[illegible]
34) Hexachlorobutadiene	7.74	225	2900	33.91 ug/L	[illegible]
35) 4-Chloro-3-methylphenol	8.16	107	4055	31.59 ug/L	[illegible]
36) 2-Methylnaphthalene	8.31	141	8322	43.14 ug/L	100
37) 1-Methylnaphthalene	8.43	141	8229	39.00 ug/L	97
39) Hexachlorocyclopentadiene	8.56	237	2513	30.55 ug/L	83
40) 2,3-Dichloroaniline	8.66	161	4316	33.55 ug/L	92
41) 2,4,6-Trichlorophenol	8.65	196	2189	31.74 ug/L	74
42) 2,4,5-Trichlorophenol	8.69	196	1923	25.62 ug/L	89
44) 2-Chloronaphthalene	8.85	162	7201	35.69 ug/L	88
45) Biphenyl	8.83	154	8345	38.25 ug/L	73

(#) = qualifier out of range (m) = manual integration

45381

A08142.D SV5-111604.M Wed Nov 17 12:07:06 2004 Page 1

000670

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08142.D Vial: 0
Acq On : 16 Nov 2004 17:11 Operator: CLZ
Sample : 50 UG/L 8270 ICAL STD NO 1281-1-2 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:01:15 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:01:09 2004
Response via : Initial Calibration
DataAcq Meth :

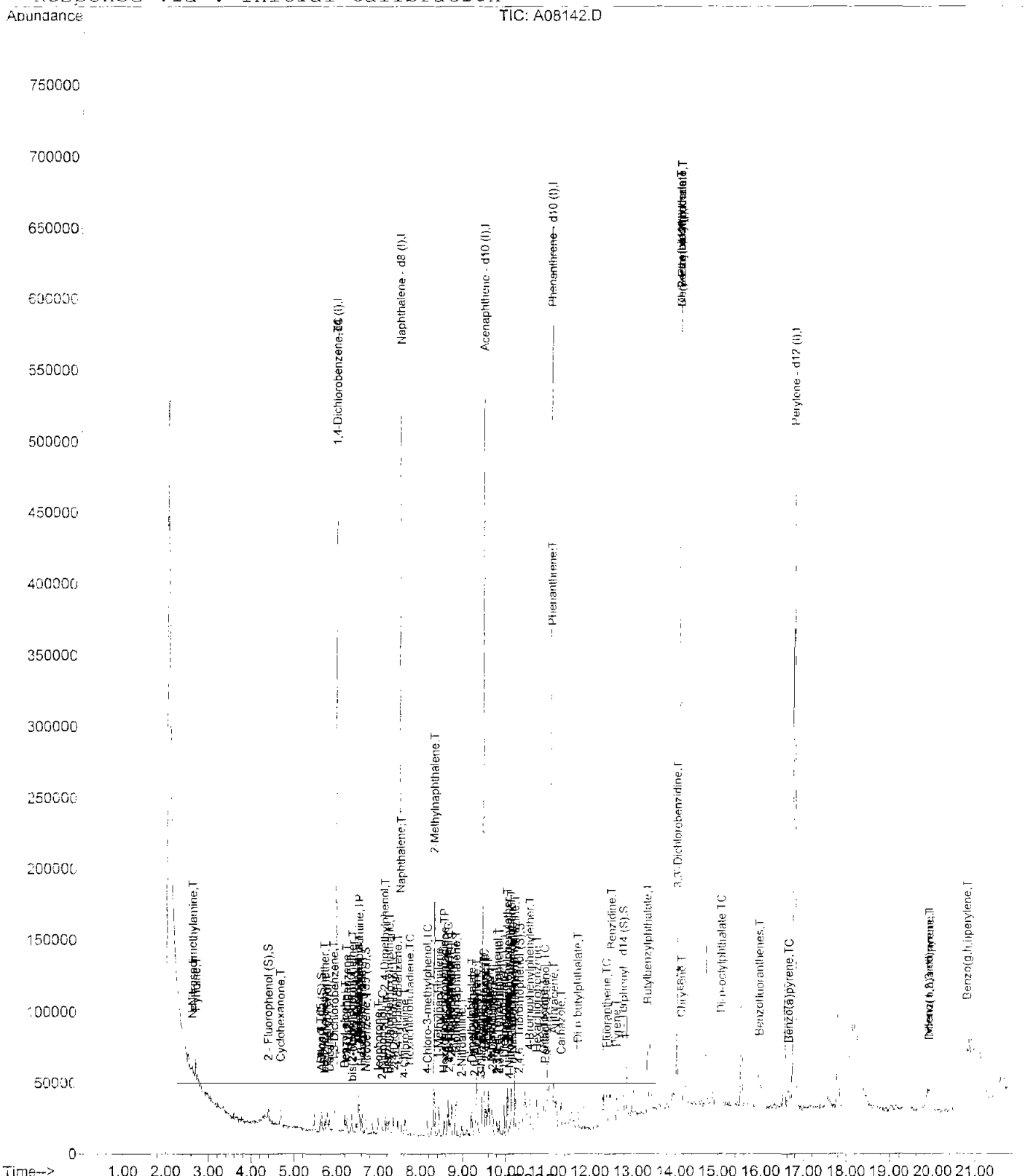
Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46) 2-Nitroaniline	8.99	138	2110	27.35 ug/L		65
47) Dimethylphthalate	9.21	163	10261	31.93 ug/L		98
48) Acenaphthylene	9.31	152	12639	47.07 ug/L		98
49) 2,6-Dinitrotoluene	9.28	165	2120	33.12 ug/L		78
50) 3-Nitroaniline	9.44	138	1775	27.13 ug/L	#	36
51) Acenaphthene	9.51	153	8532	46.30 ug/L		100
52) 2,4-Dinitrophenol	9.55	184	3435	99.95 ug/L		61
53) 4-Nitrophenol	9.60	109	12298	279.92 ug/L		84
54) Dibenzofuran	9.68	168	9844	36.27 ug/L		81
55) 2,4-Dinitrotoluene	9.71	165	3405	33.26 ug/L		82
56) 2,3,4,6-Tetrachlorophenol	9.81	232	1632	26.46 ug/L		89
57) 2,3,5,6-Tetrachlorophenol	9.86	232	1750	26.51 ug/L		94
58) Diethylphthalate	9.97	149	12734	46.30 ug/L		98
59) Fluorene	10.06	166	7129	40.64 ug/L		44
60) 4-Chlorophenylphenylether	10.05	204	5010	37.33 ug/L		54
61) 4-Nitroaniline	10.10	138	2051	32.66 ug/L		83
63) 4,6-Dinitro-2-methylphenol	10.15	198	6910	137.48 ug/L		93
64) n-Nitrosodiphenylamine	10.18	169	5953	42.89 ug/L	#	1
66) 1,2-Diphenylhydrazine	10.21	182	2673	33.11 ug/L	#	1
67) 4-Bromophenylphenylether	10.57	248	3100	33.03 ug/L	#	62
68) Hexachlorobenzene	10.74	284	3320	45.30 ug/L		81
69) Pentachlorophenol	10.93	266	1516	28.69 ug/L		92
70) Phenanthrene	11.09	178	13087	49.92 ug/L		62
71) Anthracene	11.14	178	12613	49.09 ug/L		64
72) Octadecane	10.90	57	8293	56.93 ug/L		94
73) Carbazole	11.31	167	12564	51.85 ug/L		93
74) Di-n-butylphthalate	11.71	149	24673	58.22 ug/L		95
75) Fluoranthene	12.39	202	13742	51.56 ug/L		79
76) Pyrene	12.63	202	12835	49.52 ug/L		72
77) Benzidine	12.50	184	67290	292.63 ug/L		100
80) Butylbenzylphthalate	13.35	149	15818	48.38 ug/L		78
81) Benzo(a)anthracene	14.09	228	18446	45.77 ug/L		84
82) 3,3'-Dichlorobenzidine	14.04	252	11553+	35.22 ug/L		97
83) Chrysene	14.15	228	15630	43.08 ug/L		71
84) bis(2-Ethylhexyl)phthalate	14.11	149	25374	45.93 ug/L		64
86) Di-n-octylphthalate	15.08	149	47634	56.36 ug/L		98
87) Benzofluoranthenes	15.96	252	40987	89.05 ug/L		87
88) Benzo(a)pyrene	16.65	252	19149	43.67 ug/L		100
89) Indeno(1,2,3-cd)pyrene	19.89	276	27316	46.91 ug/L		100
90) Dibenz(a,h)anthracene	19.92	278	24543	50.90 ug/L		100
91) Benzo(g,h,i)perylene	20.79	276	18977	40.74 ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08142.D Vial: 0
Acq On : 16 Nov 2004 17:11 Operator: CLZ
Sample : 50 UG/L 8270 ICAL STD NO 1281-1-2 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:01 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration



00672

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08143.D Vial: 0
Acq On : 16 Nov 2004 17:38 Operator: CLZ
Sample : 100 UG/L 8270 ICAL STD NO 1281-1-3 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:02:13 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:02:09 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.99	152	79537	1000.00	ug/L		0.01
22) Naphthalene - d8 (I)	7.51	136	244813	1000.00	ug/L		0.00
38) Acenaphthene - d10 (I)	9.48	162	158028	1000.00	ug/L		0.00
62) Phenanthrene - d10 (I)	11.08	188	253589	1000.00	ug/L		0.01
79) Chrysene - d12 (I)	14.12	240	390431	1000.00	ug/L		0.00
85) Perylene - d12 (I)	16.79	264	556022	1000.00	ug/L		0.01
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.39	112	5792	83.87	ug/L		0.01
7) Phenol - d5 (S)	5.62	99	5651	76.68	ug/L		0.04
23) Nitrobenzene - d5 (S)	6.70	82	6316	96.70	ug/L		0.03
43) 2 - Fluorobiphenyl (S)	8.74	172	11496	83.01	ug/L		0.02
65) 2,4,6 - Tribromophenol (S)	10.34	330	2709	64.02	ug/L		-0.02
78) p - Terphenyl - d14 (S)	12.79	244	17878	98.27	ug/L		-0.04
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	2.61	74	10501	553.51	ug/L		100
3) Pyridine	2.69	79	46988+	490.98	ug/L		91
5) Cyclohexanone	4.58	55	1178	38.52	ug/L		71
6) Aniline	5.65	93	5692	66.99	ug/L		100
8) Phenol	5.64	94	5707	73.94	ug/L	#	1
9) bis(2-Chloroethyl)ether	5.72	63	6871	132.51	ug/L		100
10) 2-Chlorophenol	5.77	128	6557	82.83	ug/L		59
11) Decane	5.84	57	6607	102.13	ug/L		94
12) 1,3-Dichlorobenzene	5.94	146	7658	80.06	ug/L	#	9
13) 1,4-Dichlorobenzene	6.01	146	7924	79.08	ug/L	#	4
14) Benzyl alcohol	6.20	79	8018	107.13	ug/L		93
15) 1,2-Dichlorobenzene	6.24	146	8600	91.79	ug/L		89
16) 2-Methylphenol	6.36	108	4770	84.33	ug/L	#	74
17) bis(2-chloroisopropyl)ethe	6.46	121	340	57.22	ug/L		100
18) 3-&4-Methylphenol	6.54	108	8230	149.87	ug/L		85
19) n-Nitroso-di-n-propylamine	6.55	70	4723	107.01	ug/L		79
20) Acetophenone	6.52	105	17576	124.37	ug/L		57
21) Hexachloroethane	6.61	166	1735	88.79	ug/L	#	52
24) Nitrobenzene	6.72	77	7947	123.55	ug/L		95
25) Isophorone	7.00	82	10992	96.96	ug/L		85
26) 2-Nitrophenol	7.10	139	2628	61.13	ug/L		89
27) 2,4-Dimethylphenol	7.15	107	8226	102.68	ug/L		90
28) bis(2-Chloroethoxy)methane	7.26	93	7050	104.93	ug/L		76
29) Benzoic Acid	7.21	105	15688	248.09	ug/L		100
30) 2,4-Dichlorophenol	7.37	162	4638	73.25	ug/L		89
31) 1,2,4-Trichlorobenzene	7.46	180	5635	78.16	ug/L		84
32) Naphthalene	7.53	128	20106	101.01	ug/L		95
33) 4-Chloroaniline	7.62	127	4280	54.29	ug/L		74
34) Hexachlorobutadiene	7.75	225	5772	99.50	ug/L		87
35) 4-Chloro-3-methylphenol	8.17	107	7294	82.92	ug/L		91
36) 2-Methylnaphthalene	8.32	141	15544	116.83	ug/L		100
37) 1-Methylnaphthalene	8.44	141	14463	99.84	ug/L		87
39) Hexachlorocyclopentadiene	8.57	237	3359	58.77	ug/L		92
40) 2,3-Dichloroaniline	8.67	161	5915	64.44	ug/L		66
41) 2,4,6-Trichlorophenol	8.65	196	3056	63.37	ug/L		77
42) 2,4,5-Trichlorophenol	8.70	196	3035	58.77	ug/L		93
44) 2-Chloronaphthalene	8.85	162	11332	80.01	ug/L		65
45) Biphenyl	8.84	154	12661	80.79	ug/L		80

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08143.D Vial: 9
Acq On : 16 Nov 2004 17:38 Operator: CLZ
Sample : 100 UG/L 8270 ICAL STD NC 1281-1-3 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:02:13 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:02:09 2004
Response via : Initial Calibration
DataAcq Meth :

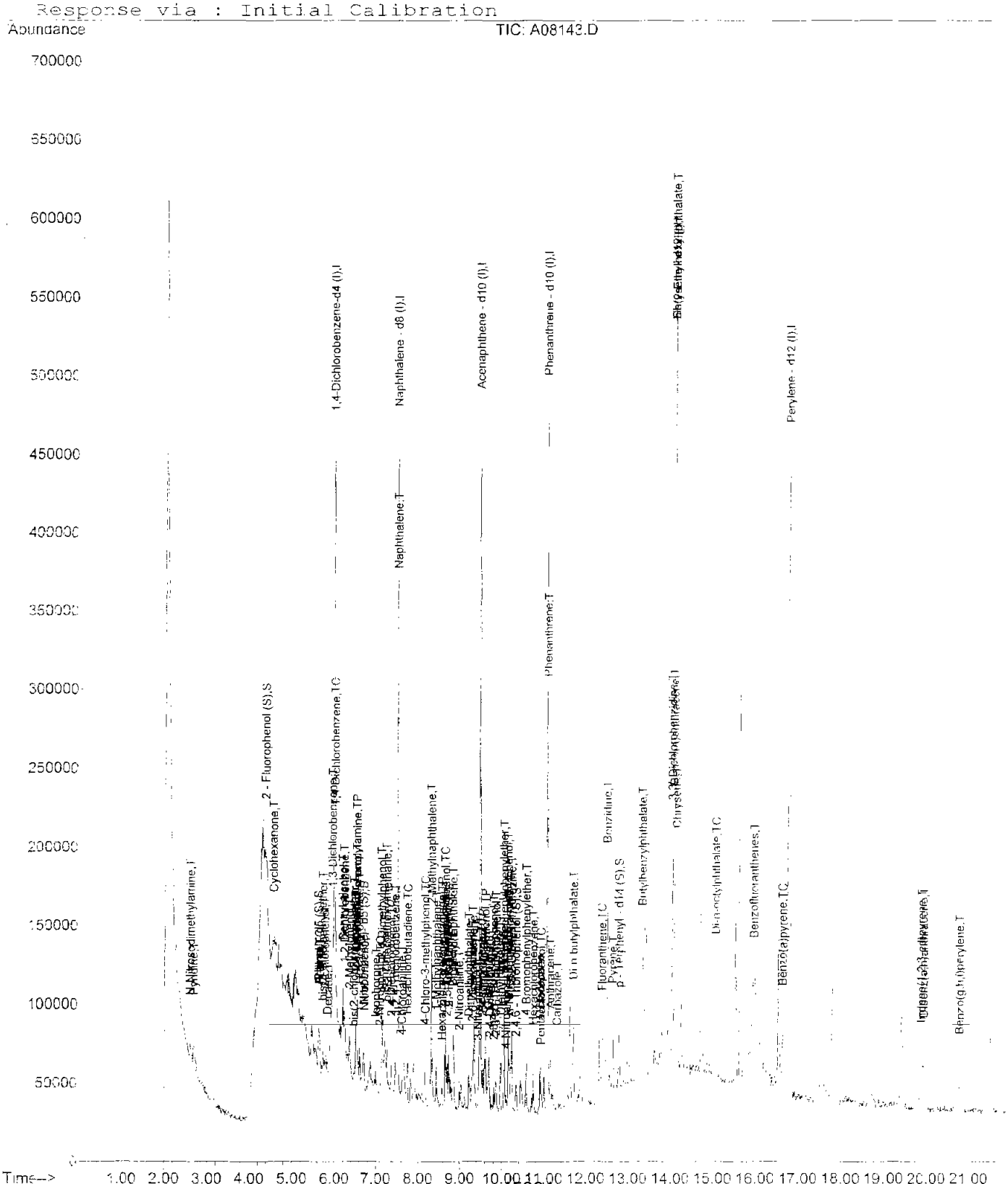
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	2-Nitroaniline	8.99	138	3441	63.70 ug/L		49
47)	Dimethylphthalate	9.22	163	15852	70.39 ug/L		100
48)	Acenaphthylene	9.32	152	19225	98.09 ug/L		91
49)	2,6-Dinitrotoluene	9.30	165	2591	57.36 ug/L		45
50)	3-Nitroaniline	9.44	138	2633	57.85 ug/L	#	40
51)	Acenaphthene	9.52	153	12941	96.49 ug/L		100
52)	2,4-Dinitrophenol	9.56	184	5652	223.51 ug/L		60
53)	4-Nitrophenol	9.61	109	17489	540.99 ug/L		87
54)	Dibenzofuran	9.69	168	15825	82.66 ug/L		96
55)	2,4-Dinitrotoluene	9.72	165	4609	61.18 ug/L		79
56)	2,3,4,6-Tetrachlorophenol	9.82	232	1828	41.62 ug/L		45
57)	2,3,5,6-Tetrachlorophenol	9.87	232	2307	47.49 ug/L		90
58)	Diethylphthalate	9.98	149	19641	96.55 ug/L		95
59)	Fluorene	10.06	166	12284	97.80 ug/L		48
60)	4-Chlorophenylphenylether	10.05	204	7754	78.61 ug/L		84
61)	4-Nitroaniline	10.11	138	3022	65.39 ug/L		86
63)	4,6-Dinitro-2-methylphenol	10.16	198	10643	294.44 ug/L		90
64)	n-Nitrosodiphenylamine	10.18	169	8149	76.33 ug/L	#	1
66)	1,2-Diphenylhydrazine	10.23	182	3488	56.60 ug/L	#	1
67)	4-Bromophenylphenylether	10.58	248	5283	73.75 ug/L		87
68)	Hexachlorobenzene	10.75	284	4988	91.23 ug/L		74
69)	Pentachlorophenol	10.93	266	2331	57.79 ug/L		88
70)	Phenanthrene	11.10	178	19846	100.84 ug/L		86
71)	Anthracene	11.15	178	17626	90.42 ug/L		66
72)	Octadecane	10.91	57	14142	126.46 ug/L		95
73)	Carbazole	11.32	167	16638	89.97 ug/L		99
74)	Di-n-butylphthalate	11.71	149	39794	123.03 ug/L		98
75)	Fluoranthene	12.39	202	21700	107.66 ug/L		84
76)	Pyrene	12.64	202	20360	103.56 ug/L		67
77)	Benzidine	12.51	184	82885	554.71 ug/L		100
80)	Butylbenzylphthalate	13.35	149	27354	106.52 ug/L		84
81)	Benzo(a)anthracene	14.09	228	24268	77.57 ug/L		45
82)	3,3'-Dichlorobenzidine	14.04	252	23126+	89.75 ug/L		99
83)	Chrysene	14.15	228	24309	87.23 ug/L		87
84)	bis(2-Ethylhexyl)phthalate	14.11	149	62061	143.03 ug/L		85
86)	Di-n-octylphthalate	15.08	149	91893	114.08 ug/L		96
87)	Benzofluoranthenes	15.96	252	82379	190.06 ug/L		78
88)	Benzo(a)pyrene	16.65	252	36955	89.07 ug/L		100
89)	Indeno(1,2,3-cd)pyrene	19.87	276	54177	97.55 ug/L		100
90)	Dibenz(a,h)anthracene	19.93	278	44370	95.95 ug/L		100
91)	Benzo(g,h,i)perylene	20.78	276	45237	103.08 ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08143.D Vial: 0
Acq On : 16 Nov 2004 17:38 Operator: CLZ
Sample : 100 UG/L 8270 ICAL STD NO 1281-1-3 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:02 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration



00675

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08144.D Vial: 0
Acq On : 16 Nov 2004 18:04 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:02:43 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:02:37 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.99	152	75771	1000.00 ug/L	0.01
22) Naphthalene - d8 (I)	7.51	136	289908	1000.00 ug/L	0.00
38) Acenaphthene - d10 (I)	9.48	162	190056	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.08	188	292517	1000.00 ug/L	0.01
79) Chrysene - d12 (I)	14.11	240	445510	1000.00 ul/l	0.00
85) Perylene - d12 (I)	16.79	264	512211	1000.00 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.39	112	13142	209.38 ug/L	0.01
7) Phenol - d5 (S)	5.62	99	14460	216.58 ug/L	0.04
13) Nitrobenzene - d5 (S)	6.70	82	12935	168.93 ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.74	172	29178	179.63 ug/L	0.01
65) 2,4,6 - Tribromophenol (S)	10.35	330	6516	141.64 ug/L	0.00
78) p - Terphenyl - d14 (S)	12.79	244	37247	179.16 ug/L	-0.04
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.61	74	23070	1297.15 ug/L	100
3) Pyridine	2.66	79	108785+	1193.20 ug/L	99
5) Cyclohexanone	4.68	55	7253	287.61 ug/L	78
6) Aniline	5.65	93	11804	148.03 ug/L	100
8) Phenol	5.64	94	15450	221.25 ug/L #	1
9) bis(2-Chloroethyl)ether	5.72	63	12887	260.89 ug/L	100
10) 2-Chlorophenol	5.77	128	15239	208.95 ug/L	51
11) Decane	5.84	57	15279	252.33 ug/L	98
12) 1,3-Dichlorobenzene	5.94	146	19727	228.67 ug/L	96
13) 1,4-Dichlorobenzene	6.01	146	18212	202.41 ug/L	79
14) Benzyl alcohol	6.20	79	16032	228.55 ug/L	91
15) 1,2-Dichlorobenzene	6.24	146	18197	208.41 ug/L	81
16) 2-Methylphenol	6.36	108	11937	231.73 ug/L	84
17) bis(2-chloroisopropyl)ethe	6.40	121	1789	316.05 ug/L	100
18) 3-&4-Methylphenol	6.54	108	19968	402.16 ug/L	96
19) n-Nitroso-di-n-propylamine	6.56	70	10491	250.23 ug/L	87
20) Acetophenone	6.52	105	32656	240.96 ug/L	37
21) Hexachloroethane	6.61	166	5252	299.26 ug/L #	59
24) Nitrobenzene	6.72	77	12673	166.27 ug/L	60
25) Isophorone	7.00	82	25972	194.19 ug/L	93
26) 2-Nitrophenol	7.10	139	7632	158.63 ug/L	87
27) 2,4-Dimethylphenol	7.16	107	21398	220.80 ug/L	84
28) bis(2-Chloroethoxy)methane	7.26	93	17612	217.51 ug/L	97
29) Benzoic Acid	7.22	105	37711	513.95 ug/L	100
30) 2,4-Dichlorophenol	7.37	162	11980	164.18 ug/L	91
31) 1,2,4-Trichlorobenzene	7.47	180	14554	175.63 ug/L	81
32) Naphthalene	7.54	128	44840	191.24 ug/L	97
33) 4-Chloroaniline	7.63	127	11070	121.90 ug/L	86
34) Hexachlorobutadiene	7.75	225	10632	157.88 ug/L	98
35) 4-Chloro-3-methylphenol	8.17	107	17871	176.33 ug/L	78
36) 2-Methylnaphthalene	8.31	141	31898	201.44 ug/L	100
37) 1-Methylnaphthalene	8.44	141	29113	173.06 ul/l	94
39) Hexachlorocyclopentadiene	8.57	237	9645	151.73 ug/L	99
40) 2,6-Dichloroaniline	8.66	161	15806	147.58 ug/L	97
41) 2,4,6-Trichlorophenol	8.66	196	6555	122.99 ug/L	89
42) 2,4,5-Trichlorophenol	8.70	196	8475	141.83 ug/L	93
44) 2-Chloronaphthalene	8.85	162	29593	181.95 ug/L	60
45) Biphenyl	8.84	154	32925	178.66 ug/L	82

(#) = qualifier out of range (m) = manual integration

45393

00676

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08144.D Vial: 0
Acq On : 16 Nov 2004 18:04 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:02:43 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:02:37 2004
Response via : Initial Calibration
DataAcq Meth :

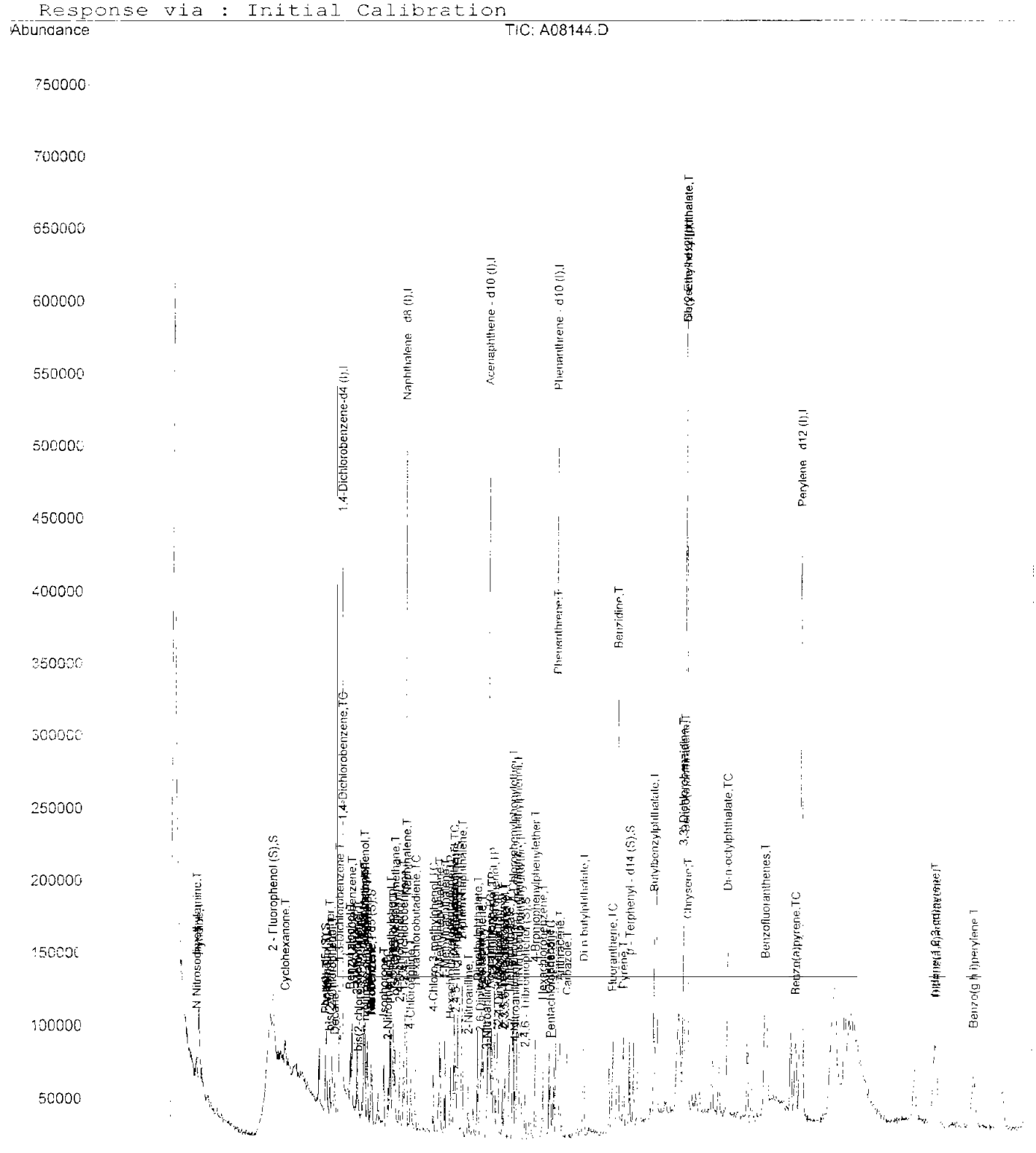
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	2-Nitroaniline	9.00	138	8025	129.13	ug/L		58
47)	Dimethylphthalate	9.22	163	39734	155.31	ug/L		99
48)	Acenaphthylene	9.32	152	40923	175.49	ug/L		90
49)	2,6-Dinitrotoluene	9.29	165	5308	107.36	ug/L		43
50)	3-Nitroaniline	9.44	138	5974	115.42	ug/L	#	2
51)	Acenaphthene	9.52	153	31493	196.82	ug/L		100
52)	2,4-Dinitrophenol	9.55	184	15143	531.85	ug/L		63
53)	4-Nitrophenol	9.62	109	42181	1137.90	ug/L		85
54)	Dibenzofuran	9.69	168	37964	171.16	ug/L		95
55)	2,4-Dinitrotoluene	9.72	165	12087	143.59	ug/L		92
56)	2,3,4,6-Tetrachlorophenol	9.82	232	6644	135.50	ug/L		78
57)	2,3,5,6-Tetrachlorophenol	9.87	232	6592	120.95	ul/l		95
58)	Diethylphthalate	9.98	149	39508	166.52	ug/L		95
59)	Fluorene	10.07	166	26237	174.23	ug/L		44
60)	4-Chlorophenylphenylether	10.06	204	18206	160.00	ug/L		38
61)	4-Nitroaniline	10.11	138	7183	137.50	ug/L		83
63)	4,6-Dinitro-2-methylphenol	10.16	198	25748	649.19	ug/L		93
64)	n-Nitrosodiphenylamine	10.18	169	22212	190.41	ug/L	#	1
66)	1,2-Diphenylhydrazine	10.22	182	11038	161.19	ug/L	#	[illegible]
67)	4-Bromophenylphenylether	10.58	248	12851	163.64	ug/L		80
68)	Hexachlorobenzene	10.75	284	10825	174.70	ug/L		71
69)	Pentachlorophenol	10.93	266	5414	123.66	ug/L		99
70)	Phenanthrene	11.10	178	43189	189.97	ug/L		88
71)	Anthracene	11.13	178	39083	175.12	ug/L		72
72)	Octadecane	10.91	57	26928	205.34	ug/L		91
73)	Carbazole	11.32	167	37637	180.08	ug/L		87
74)	Di-n-butylphthalate	11.71	149	76990	210.45	ug/L		99
75)	Fluoranthene	12.39	202	47333	202.20	ug/L		77
76)	Pyrene	12.64	202	46968	204.86	ug/L		69
77)	Benzidine	12.51	184	197509	1145.92	ug/L		100
80)	Butylbenzylphthalate	13.36	149	43322	151.82	ug/L		77
81)	Benzo(a)anthracene	14.09	228	89335	172.48	ug/L		97
82)	3,3'-Dichlorobenzidine	14.04	252	50837+	172.91	ug/L		99
83)	Chrysene	14.15	228	52901	167.84	ug/L		89
84)	bis(2-Ethylhexyl)phthalate	14.12	149	82503	166.63	ug/L		98
86)	Di-n-octylphthalate	15.09	149	157755	212.59	ug/L		95
87)	Benzofluoranthenes	15.97	252	161842	406.68	ug/L		79
88)	Benzo(a)pyrene	16.66	252	74466	196.00	ug/L		100
89)	Indeno(1,2,3-cd)pyrene	19.89	276	103601	201.34	ug/L		100
90)	Dibenz(a,h)anthracene	19.93	278	84294	198.88	ug/L		100
91)	Benzo(g,h,i)perylene	20.80	276	87624	215.58	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08144.D Vial: 0
Acq On : 16 Nov 2004 18:04 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:02 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\111604\A08145.D Vial: 0
Acq On : 16 Nov 2004 18:31 Operator: CLZ
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:03:06 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:03:01 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.98	152	90059	1000.00 ug/L	0.00
21) Naphthalene - d8 (I)	7.51	136	301223	1000.00 ug/L	0.00
38) Acenaphthene - d10 (I)	9.48	162	206542	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.07	188	348176	1000.00 ug/L	0.00
79) Chrysene - d12 (I)	14.11	240	490108	1000.00 ul/l	0.00
85) Perylene - d12 (I)	16.78	264	576131	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.39	112	35998	482.96 ug/L	0.01
7) Phenol - d5 (S)	5.62	99	41202	513.91 ug/L	0.04
23) Nitrobenzene - d5 (S)	6.69	82	41743	542.76 ug/L	0.02
43) 2 - Fluorobiphenyl (S)	8.73	172	85149	504.19 ug/L	0.00
65) 2,4,6 - Tribromophenol (S)	10.34	330	22058	420.78 ug/L	-0.02
78) p - Terphenyl - d14 (S)	12.78	244	118439	484.26 ug/L	-0.05
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.60	74	68993	3139.62 ug/L	100
3) Pyridine	2.63	79	313440+	2817.53 ug/L	98
5) Cyclohexanone	4.67	55	18444	602.24 ug/L	89
6) Aniline	5.64	93	43291	457.22 ug/L	100
8) Phenol	5.63	94	41452	494.33 ug/L #	1
9) bis(2-Chloroethyl)ether	5.72	63	39346	633.42 ug/L	100
10) 2-Chlorophenol	5.77	128	40473	464.41 ug/L	52
11) Decane	5.83	57	39042	517.80 ug/L	97
12) 1,3-Dichlorobenzene	5.94	146	46856	451.21 ug/L	91
13) 1,4-Dichlorobenzene	6.00	146	47113	445.54 ug/L	94
14) Benzyl alcohol	6.19	79	47780	562.07 ug/L	92
15) 1,2-Dichlorobenzene	6.23	146	53947	520.61 ug/L	99
16) 2-Methylphenol	6.36	108	33093	527.00 ug/L	94
17) bis(2-chloroisopropyl)ethe	6.39	121	5022	732.19 ug/L	100
18) 3-&4-Methylphenol	6.54	108	63110	1079.68 ug/L	90
19) n-Nitroso-di-n-propylamine	6.55	70	27619	538.23 ug/L	87
20) Acetophenone	6.51	105	78568	474.04 ug/L #	19
21) Hexachloroethane	6.60	166	12097	552.52 ug/L #	85
24) Nitrobenzene	6.71	77	43001	558.44 ug/L	78
25) Isophorone	6.99	82	64896	473.37 ug/L	92
26) 2-Nitrophenol	7.09	139	22853	473.01 ug/L	95
27) 2,4-Dimethylphenol	7.15	107	57965	563.92 ug/L	91
28) bis(2-Chloroethoxy)methane	7.26	93	41500	487.79 ug/L	74
29) Benzoic Acid	7.24	105	133005	1802.05 ug/L	100
30) 2,4-Dichlorophenol	7.36	162	29007	398.29 ug/L	89
31) 1,2,4-Trichlorobenzene	7.46	180	40104	487.97 ug/L	89
32) Naphthalene	7.53	128	118038	493.11 ug/L	99
33) 4-Chloroaniline	7.62	127	42629	469.47 ug/L	87
34) Hexachlorobutadiene	7.74	225	28022	420.70 ug/L	91
35) 4-Chloro-3-methylphenol	8.16	107	53682	522.63 ug/L	75
36) 2-Methylnaphthalene	8.31	141	84609	536.47 ug/L	100
37) 1-Methylnaphthalene	8.43	141	80727	477.79 ug/L	87
39) Hexachlorocyclopentadiene	8.56	237	27919	437.29 ug/L	94
40) 2,6-Dichloroaniline	8.66	161	45485	410.81 ug/L	93
41) 2,4,6-Trichlorophenol	8.65	196	22792	432.72 ug/L	9[illegible]
42) 2,4,5-Trichlorophenol	8.69	196	25680	430.86 ug/L	[illegible]
44) 2-Chloronaphthalene	8.85	162	70707	423.29 ug/L	[illegible]
45) Biphenyl	8.83	154	87963	461.48 ug/L	[illegible]

= qualifier out of range (m) = manual integration

Data File : W:\111604\A08145.D Vial: 0
Acq On : 16 Nov 2004 18:31 Operator: CLZ
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:03:06 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:03:01 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	2-Nitroaniline	8.99	138	29390	468.53	ug/L		87
47)	Dimethylphthalate	9.21	163	116403	444.31	ug/L		99
48)	Acenaphthylene	9.31	152	105159	430.92	ug/L		88
49)	2,6-Dinitrotoluene	9.29	165	21425	435.84	ug/L		58
50)	3-Nitroaniline	9.44	138	25073	481.78	ug/L		81
51)	Acenaphthene	9.51	153	85525	505.62	ug/L		100
52)	2,4-Dinitrophenol	9.55	184	53694	1890.46	ug/L		65
53)	4-Nitrophenol	9.61	109	112482	3015.32	ug/L		83
54)	Dibenzofuran	9.68	168	112958	491.35	ug/L		97
55)	2,4-Dinitrotoluene	9.71	165	38664	426.69	ug/L		92
56)	2,3,4,6-Tetrachlorophenol	9.81	232	22722	463.00	ug/L		91
57)	2,3,5,6-Tetrachlorophenol	9.86	232	23584	430.74	ul/l		92
58)	Diethylphthalate	9.97	149	116349	488.05	ug/L		84
59)	Fluorene	10.06	166	70734	444.79	ug/L		43
60)	4-Chlorophenylphenylether	10.05	204	50722	451.98	ug/L		69
61)	4-Nitroaniline	10.10	138	22448	424.94	ug/L		88
63)	4,6-Dinitro-2-methylphenol	10.15	198	93870	2108.15	ug/L		91
64)	n-Nitrosodiphenylamine	10.18	169	68898	498.07	ug/L	#	1
66)	1,2-Diphenylhydrazine	10.22	182	37111	467.83	ug/L	#	41
67)	4-Bromophenylphenylether	10.57	248	34203	382.69	ug/L		72
68)	Hexachlorobenzene	10.75	284	34133	471.28	ug/L		76
69)	Pentachlorophenol	10.93	266	20922	424.28	ug/L		89
70)	Phenanthrene	11.10	178	138179	522.02	ug/L		72
71)	Anthracene	11.15	178	131166	503.46	ug/L		72
72)	Octadecane	10.90	57	70512	450.18	ug/L		87
73)	Carbazole	11.31	167	115943	475.06	ug/L		96
74)	Di-n-butylphthalate	11.71	149	200777	474.26	ug/L		99
75)	Fluoranthene	12.39	202	136085	494.05	ug/L		76
76)	Pyrene	12.64	202	151714	556.17	ug/L		62
77)	Benzidine	12.51	184	634435	3124.53	ug/L		100
80)	Butylbenzylphthalate	13.35	149	119248	404.07	ug/L		87
81)	Benzo(a)anthracene	14.09	228	199710	537.82	ug/L		78
82)	3,3'-Dichlorobenzidine	14.04	252	129624+	416.42	ug/L		95
83)	Chrysene	14.15	228	164679	488.95	ug/L		91
84)	bis(2-Ethylhexyl)phthalate	14.11	149	246078	508.73	ug/L		75
86)	Di-n-octylphthalate	15.09	149	421784	514.80	ug/L		100
87)	Benzoflucranthenes	15.97	252	455024	1022.18	ug/L		78
88)	Benzo(a)pyrene	16.65	252	212757	502.78	ug/L		100
89)	Indeno(1,2,3-cd)pyrene	19.87	276	297808	513.77	ug/L		100
90)	Dibenz(a,h)anthracene	19.93	278	245040	515.92	ug/L		100
91)	Benzo(g,h,i)perylene	20.79	276	232940	506.63	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

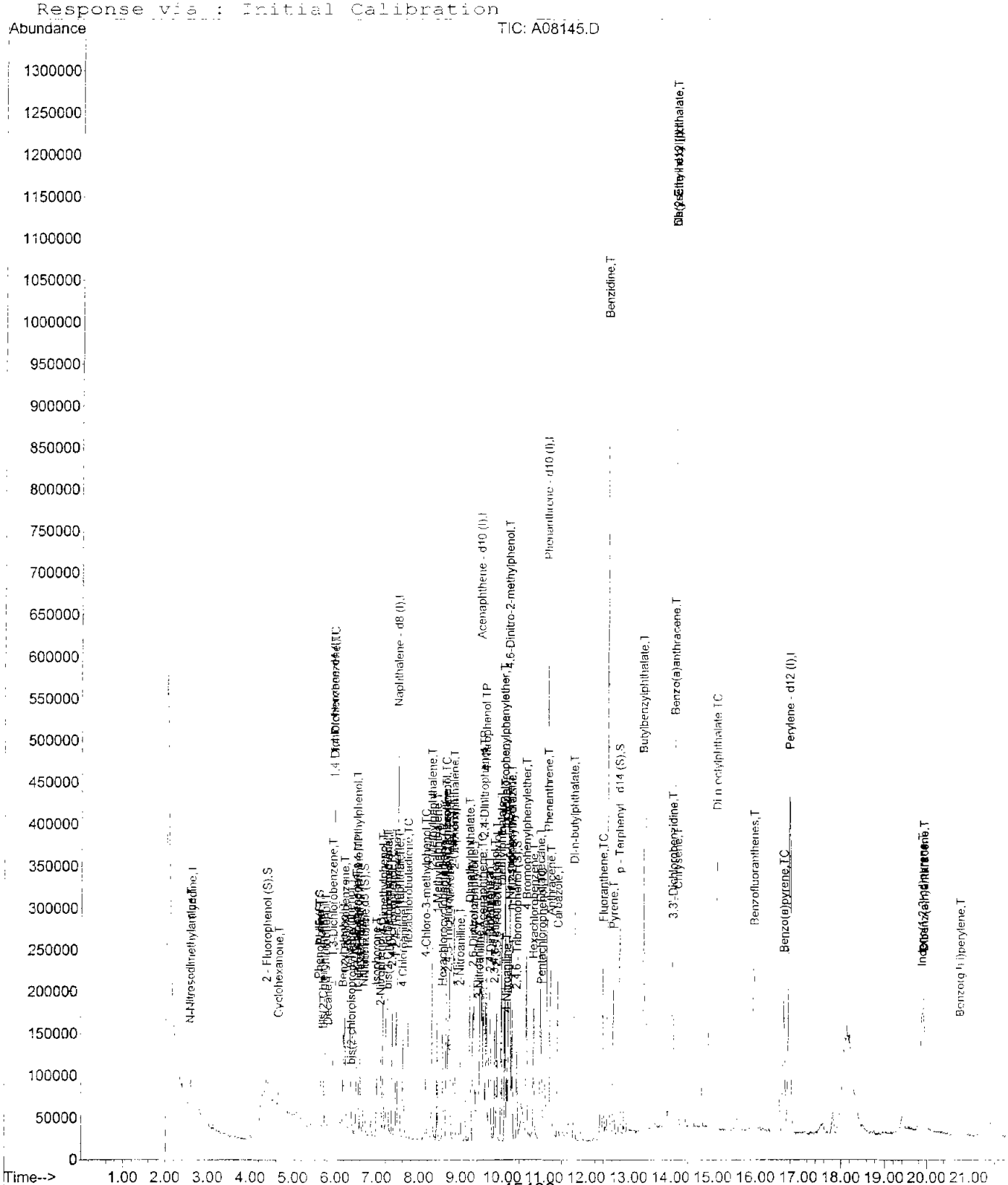
454011

00680

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08145.D Vial: 0
Acq On : 16 Nov 2004 18:31 Operator: CLZ
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:03 2004 Quant Results File: SV5-111604.RE

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration



45403

00681

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08146.D Vial: 0
Acq On : 16 Nov 2004 18:57 Operator: CLZ
Sample : 1000 UG/L 8270 ICAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:03:28 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:03:22 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.98	152	83863	1000.00 ug/L	0.00
22) Naphthalene - d8 (I)	7.50	136	250986	1000.00 ug/L	-0.01
38) Acenaphthene - d10 (I)	9.47	162	149881	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.07	188	227671	1000.00 ug/L	0.00
79) Chrysene - d12 (I)	14.10	240	362155	1000.00 ug/L	0.00
85) Perylene - d12 (I)	16.78	264	428993	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.39	112	62924	906.58 ug/L	0.01
7) Phenol - d5 (S)	5.61	99	71573	958.68 ug/L	0.03
35) Nitrobenzene - d5 (S)	6.69	82	71274	1112.22 ug/L	0.02
43) 2 - Fluorobiphenyl (S)	8.73	172	118629	967.98 ug/L	0.00
65) 2,4,6 - Tribromophenol (S)	10.34	330	31771	926.86 ug/L	-0.02
78) p - Terphenyl - d14 (S)	12.78	244	163352	1021.40 ug/L	-0.05
Target Compounds					Qvalue
1) N-Nitrosodimethylamine	2.59	74	119190	5824.64 ug/L	100
2) Pyridine	2.62	79	543789+	5249.30 ug/L	98
5) Cyclohexanone	4.67	55	30379	1065.24 ug/L	88
6) Aniline	5.64	93	83830	950.78 ug/L	100
8) Phenol	5.63	94	71348	913.72 ug/L #	1
9) bis(2-Chloroethyl)ether	5.71	63	72898	1260.27 ug/L	100
10) 2-Chlorophenol	5.76	128	72104	888.49 ug/L	62
11) Decane	5.83	57	71070	1012.22 ug/L	91
12) 1,3-Dichlorobenzene	5.94	146	94217	974.32 ug/L	88
13) 1,4-Dichlorobenzene	6.00	146	83701	850.03 ug/L	82
14) Benzyl alcohol	6.19	79	80654	1015.32 ug/L	93
15) 1,2-Dichlorobenzene	6.23	146	88399	916.12 ug/L	70
16) 2-Methylphenol	6.36	108	49626	848.68 ug/L	89
17) bis(2-chloroisopropyl)ethe	6.38	121	8889	1391.74 ug/L	100
18) 3-&4-Methylphenol	6.53	108	108014	1984.41 ug/L	90
19) n-Nitroso-di-n-propylamine	6.55	70	47475	993.53 ug/L	86
20) Acetophenone	6.51	105	143350	928.79 ug/L #	34
21) Hexachloroethane	6.60	166	19407	952.87 ug/L #	66
24) Nitrobenzene	6.71	77	67425	1050.88 ug/L	67
25) Isophorone	6.99	82	109314	956.96 ug/L	87
26) 2-Nitrophenol	7.09	139	41480	1055.23 ug/L	91
27) 2,4-Dimethylphenol	7.14	107	81966	968.71 ug/L	92
28) bis(2-Chloroethoxy)methane	7.25	93	64296	906.99 ug/L	84
29) Benzoic Acid	7.24	105	217700	3539.94 ug/L	100
30) 2,4-Dichlorophenol	7.36	162	55223	910.02 ug/L	92
31) 1,2,4-Trichlorobenzene	7.46	180	68386	998.64 ug/L	87
32) Naphthalene	7.52	128	199460	1000.03 ug/L	91
33) 4-Chloroaniline	7.62	127	68233	901.86 ug/L	94
34) Hexachlorobutadiene	7.74	225	52752	950.49 ug/L	89
35) 4-Chloro-3-methylphenol	8.16	107	78031	911.75 ug/L	69
36) 2-Methylnaphthalene	8.31	141	132944	1011.66 ug/L	100
37) 1-Methylnaphthalene	8.43	141	124190	882.15 ug/L	95
39) Hexachlorocyclopentadiene	8.56	237	45333	978.46 ug/L	83
40) 2,3-Dichloroaniline	8.66	161	62209	774.26 ug/L	96
41) 2,4,6-Trichlorophenol	8.65	196	33766	883.41 ug/L	89
42) 2,4,5-Trichlorophenol	8.69	196	31653	731.84 ug/L	93
44) 2-Chloronaphthalene	8.84	162	119196	983.34 ug/L	63
45) Biphenyl	8.83	154	122836	888.06 ug/L	79

= qualifier out of range (m) = manual integration

45405

00682

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08146.D Vial: 0
Acq On : 16 Nov 2004 18:57 Operator: CLE
Sample : 1000 UG/L 8270 ICAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:03:28 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:03:22 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	2-Nitroaniline	8.99	138	35955	789.85	ug/L		67
47)	Dimethylphthalate	9.21	163	153036	804.97	ug/L		100
48)	Acenaphthylene	9.31	152	155275	876.82	ug/L		99
49)	2,6-Dinitrotoluene	9.29	165	32209	902.91	ug/L		86
50)	3-Nitroaniline	9.44	138	33983	899.84	ug/L		84
51)	Acenaphthene	9.51	153	116896	952.33	ug/L		100
52)	2,4-Dinitrophenol	9.54	184	84294	4089.79	ug/L		67
53)	4-Nitrophenol	9.60	109	179680	6637.60	ug/L		86
54)	Dibenzofuran	9.68	168	147413	883.63	ug/L		94
55)	2,4-Dinitrotoluene	9.71	165	55439	889.09	ug/L		96
56)	2,3,4,6-Tetrachlorophenol	9.81	232	31216	876.53	ug/L		87
57)	2,3,5,6-Tetrachlorophenol	9.86	232	31387	789.96	ug/L		99
58)	Diethylphthalate	9.97	149	174921	1011.12	ug/L		63
59)	Fluorene	10.06	166	107995	935.81	ug/L		57
60)	4-Chlorophenylphenylether	10.05	204	67686	831.15	ug/L		60
61)	4-Nitroaniline	10.10	138	33751	880.44	ug/L		92
63)	4,6-Dinitro-2-methylphenol	10.15	198	129338	4442.13	ug/L		94
64)	n-Nitrosodiphenylamine	10.17	169	92610	1023.81	ug/L	#	1
66)	1,2-Diphenylhydrazine	10.21	182	47779	921.11	ug/L	#	97
67)	4-Bromophenylphenylether	10.57	248	40803	698.17	ug/L		64
68)	Hexachlorobenzene	10.74	284	45766	966.35	ug/L		89
69)	Pentachlorophenol	10.92	266	25901	803.26	ug/L		93
70)	Phenanthrene	11.09	178	185920	1074.14	ug/L		1[illegible]
71)	Anthracene	11.14	178	158980	933.21	ug/L		87
72)	Octadecane	10.90	57	91579	894.15	ug/L		92
73)	Carbazole	11.31	167	154392	967.42	ug/L		97
74)	Di-n-butylphthalate	11.71	149	334040	1206.68	ug/L		91
75)	Fluoranthene	12.39	202	198932	1104.48	ug/L		76
76)	Pyrene	12.63	202	199045	1115.89	ug/L		67
77)	Benzidine	12.50	184	857158	6455.79	ug/L		100
80)	Butylbenzylphthalate	13.35	149	130117	596.67	ug/L	#	13
81)	Benzo(a)anthracene	14.08	228	282650	1030.11	ug/L		84
82)	3,3'-Dichlorobenzidine	14.03	252	196402+	853.87	ug/L		98
83)	Chrysene	14.14	228	244210	981.26	ug/L		93
84)	bis(2-Ethylhexyl)phthalate	14.10	149	358760	1003.73	ug/L		87
86)	Di-n-octylphthalate	15.08	149	560872	919.35	ug/L		98
87)	Benzofluoranthenes	15.96	252	650924	1950.93	ug/L		76
88)	Benzo(a)pyrene	16.64	252	298312	946.74	ug/L		100
89)	Indeno(1,2,3-cd)pyrene	19.88	276	409900	949.38	ug/L		100
90)	Dibenz(a,h)anthracene	19.92	278	344159	973.13	ug/L		100
91)	Benzo(g,h,i)perylene	20.80	276	354197	1034.57	ug/L		101

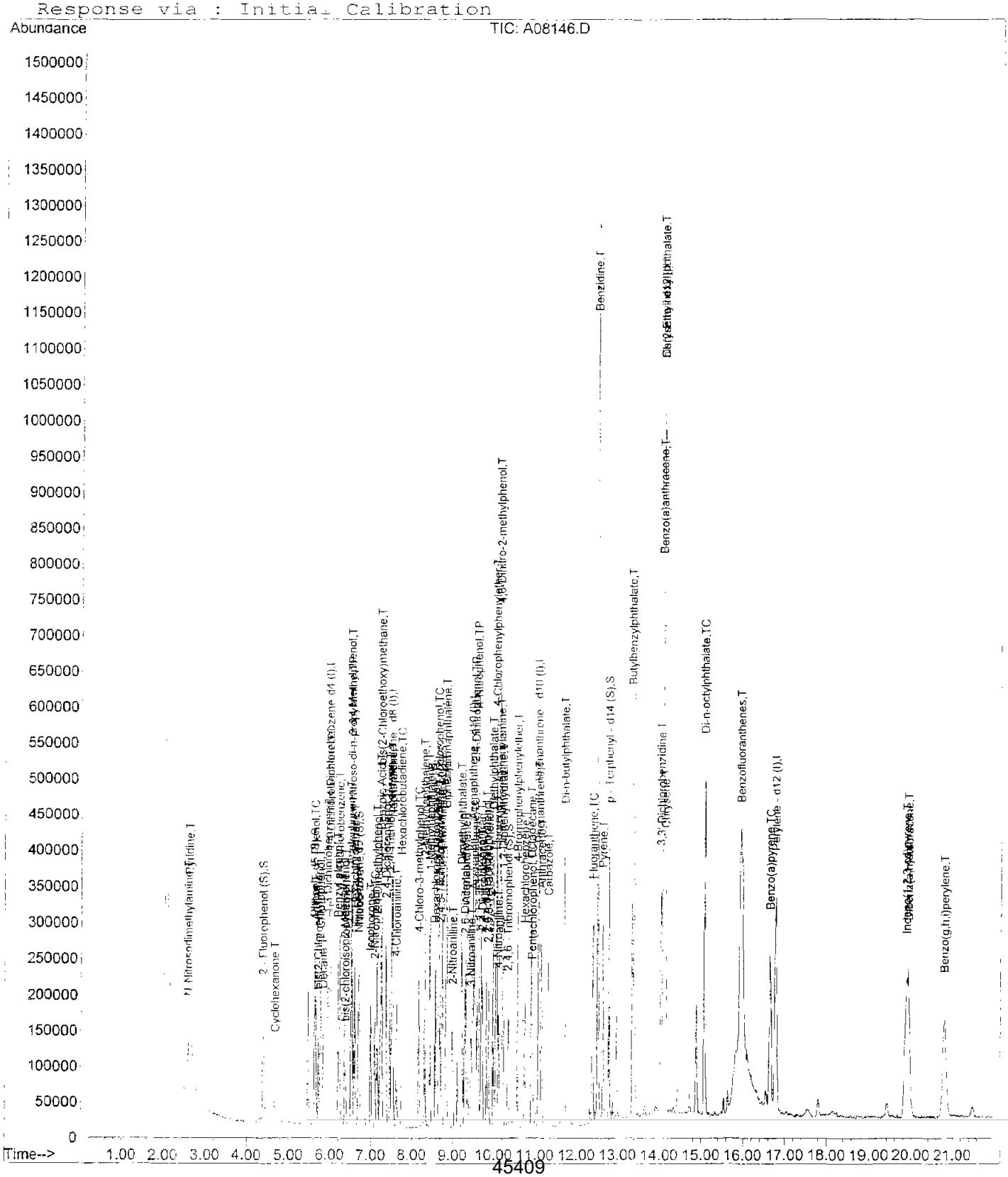
(#) = qualifier out of range (m) = manual integration (+) = signals summed

45407
00683

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08146.D Vial: 0
Acq On : 16 Nov 2004 18:57 Operator: CLZ
Sample : 1000 UG/L 8270 ICAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:03 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : W:\111604\A08147.D Vial: 0
Acq On : 16 Nov 2004 19:24 Operator: CLZ
Sample : 1500 UG/L 8270 ICAL STD NO 1281-1-7 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:04:15 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:04:11 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.98	152	78860	1000.00	ug/L	0.00
22) Naphthalene - d8 (I)	7.50	136	285112	1000.00	ug/L	-0.01
38) Acenaphthene - d10 (I)	9.47	162	171995	1000.00	ug/L	-0.01
62) Phenanthrene - d10 (I)	11.07	188	283234	1000.00	ug/L	0.00
79) Chrysene - d12 (I)	14.10	240	376162	1000.00	ul/l	0.00
85) Perylene - d12 (I)	16.77	264	450528	1000.00	ug/L	-0.01
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.39	112	103267	1622.82	ug/L	0.01
7) Phenol - d5 (S)	5.61	99	104395	1510.71	ug/L	0.03
23) Nitrobenzene - d5 (S)	6.69	82	107374	1483.24	ug/L	0.02
43) 2 - Fluorobiphenyl (S)	8.73	172	201868	1454.67	ug/L	0.00
65) 2,4,6 - Tribromophenol (S)	10.34	330	50628	1226.38	ug/L	-0.01
78) p - Terphenyl - d14 (S)	12.78	244	274268	1372.96	ug/L	-0.05
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.60	74	182914	9208.84	ug/L	100
3) Pyridine	2.61	79	836649-	8354.28	ug/L	96
4) Cyclohexanone	4.66	55	51011	1887.65	ug/L	73
6) Aniline	5.63	93	129189	1595.37	ug/L	100
8) Phenol	5.63	94	120372	1650.89	ug/L #	11
9) bis(2-Chloroethyl)ether	5.71	63	99806	1746.00	ug/L	100
10) 2-Chlorophenol	5.76	128	110015	1471.59	ug/L	61
11) Decane	5.83	57	101309	1531.81	ug/L	91
12) 1,3-Dichlorobenzene	5.93	146	139414	1551.22	ug/L	98
13) 1,4-Dichlorobenzene	6.00	146	130072	1452.51	ug/L	63
14) Benzyl alcohol	6.19	79	120462	1600.01	ug/L	97
15) 1,2-Dichlorobenzene	6.23	146	128133	1431.08	ug/L	80
16) 2-Methylphenol	6.35	108	79467	1465.41	ug/L	87
17) bis(2-chloroisopropyl)ethe	6.38	121	14147	2221.47	ug/L	100
18) 3-&4-Methylphenol	6.53	108	156446	3077.03	ug/L	95
19) n-Nitroso-di-n-propylamine	6.55	70	69428	1540.07	ug/L	87
20) Acetophenone	6.51	105	226309	1566.09	ug/L #	34
21) Hexachloroethane	6.60	166	28390	1488.16	ug/L #	68
24) Nitrobenzene	6.71	77	100494	1375.73	ug/L	85
25) Isophorone	6.99	82	176340	1386.14	ug/L	82
26) 2-Nitrophenol	7.09	139	61477	1377.48	ug/L	96
27) 2,4-Dimethylphenol	7.14	107	129316	1325.70	ug/L	96
28) bis(2-Chloroethoxy)methane	7.25	93	105962	1328.75	ug/L	98
29) Benzoic Acid	7.27	105	502111	1723.93	ug/L	100
30) 2,4-Dichlorophenol	7.36	162	81595	1232.56	ug/L	92
31) 1,2,4-Trichlorobenzene	7.45	180	90658	1197.85	ug/L	89
32) Naphthalene	7.52	128	295189	1315.71	ug/L	98
33) 4-Chloroaniline	7.61	127	107638	1311.98	ug/L	85
34) Hexachlorobutadiene	7.74	225	73256	1192.11	ug/L	99
35) 4-Chloro-3-methylphenol	8.16	107	120026	1274.01	ug/L	74
36) 2-Methylnaphthalene	8.30	142	115434	1286.46	ug/L	[illegible]
37) 1-Methylnaphthalene	8.43	142	185891	1209.54	ul/l	91
39) Hexachlorocyclopentadiene	8.56	237	74267	1438.04	ug/L	90
40) 2,3-Dichloroaniline	8.65	161	110000	1257.16	ug/L	94
41) 2,4,6-Trichlorophenol	8.64	196	49024	1192.89	ug/L	85
42) 2,4,5-Trichlorophenol	8.69	196	69822	1490.55	ug/L	81
44) 2-Chloronaphthalene	8.84	162	161754	1185.46	ug/L	56
45) Biphenyl	8.83	154	213624	1384.62	ug/L	82

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08147.D Vial: 0
Acq On : 16 Nov 2004 19:24 Operator: CLZ
Sample : 1500 UG/L 8270 ICAL STD NO 1281-1-7 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:04:15 2004 Quant Results File: SV5-111604.RES

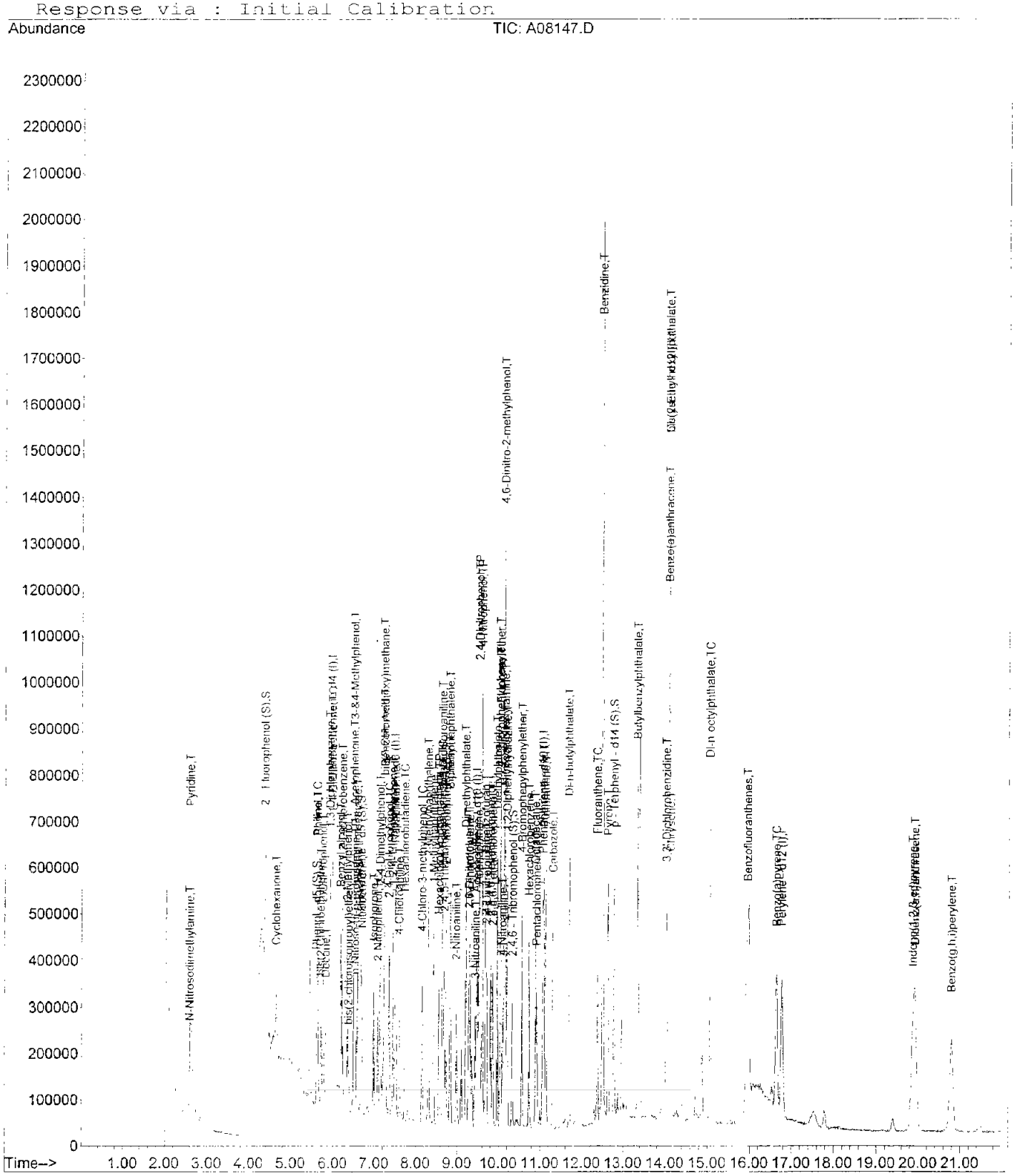
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:04:11 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	2-Nitroaniline	8.98	138	73323	1490.59	ug/L		96
47)	Dimethylphthalate	9.21	163	273012	1316.61	ug/L		99
48)	Acenaphthylene	9.31	152	266494	1340.52	ug/L		96
49)	2,6-Dinitrotoluene	9.28	165	59204	1508.16	ug/L		78
50)	3-Nitroaniline	9.44	138	53636	1277.36	ug/L		64
51)	Acenaphthene	9.51	153	189683	1365.16	ug/L		100
52)	2,4-Dinitrophenol	9.54	184	162263	7368.80	ug/L		80
53)	4-Nitrophenol	9.60	109	257371	7998.47	ug/L		78
54)	Dibenzofuran	9.68	168	241824	1305.04	ug/L		92
55)	2,4-Dinitrotoluene	9.71	165	92298	1341.42	ug/L		88
56)	2,3,4,6-Tetrachlorophenol	9.81	232	61113	1603.67	ug/L		91
57)	2,3,5,6-Tetrachlorophenol	9.86	232	58810	1378.09	ug/L		86
58)	Diethylphthalate	9.97	149	267048	1367.35	ug/L		69
59)	Fluorene	10.05	166	189052	1451.17	ug/L		61
60)	4-Chlorophenylphenylether	10.04	204	115807	1282.31	ug/L		47
61)	4-Nitroaniline	10.10	138	62846	1482.57	ug/L		98
63)	4,6-Dinitro-2-methylphenol	10.15	198	254015	7332.87	ug/L		97
64)	n-Nitrosodiphenylamine	10.17	169	161560	1447.93	ug/L	#	1
66)	1,2-Diphenylhydrazine	10.21	182	75384	1189.10	ug/L	#	4
67)	4-Bromophenylphenylether	10.57	248	74800	1091.99	ug/L		71
68)	Hexachlorobenzene	10.74	284	76349	1325.82	ug/L		77
69)	Pentachlorophenol	10.93	266	50868	1344.92	ug/L		83
70)	Phenanthrene	11.09	178	322445	1489.27	ug/L		74
71)	Anthracene	11.14	178	294309	1409.44	ug/L		75
72)	Octadecane	10.89	57	163540	1287.04	ug/L		88
73)	Carbazole	11.31	167	292315	1483.54	ug/L		98
74)	Di-n-butylphthalate	11.70	149	498580	1402.49	ug/L		83
75)	Fluoranthene	12.38	202	325427	1429.11	ug/L		91
76)	Pyrene	12.63	202	359836	1592.08	ug/L		90
77)	Benzidine	12.50	184	1471423	8568.11	ug/L		77
80)	Butylbenzylphthalate	13.34	149	293189	1396.88	ug/L		99
81)	Benzo(a)anthracene	14.08	228	483012	1705.92	ug/L		89
82)	3,3'-Dichlorobenzidine	14.03	252	289573-	1251.31	ug/L		94
83)	Chrysene	14.14	228	326874	1288.18	ug/L		71
84)	bis(2-Ethylhexyl)phthalate	14.10	149	485728	1349.09	ug/L		88
86)	Di-n-octylphthalate	15.07	149	820003	1302.07	ug/L		95
87)	Benzofluoranthenes	15.96	252	947513	2709.31	ug/L		80
88)	Benzo(a)pyrene	16.64	252	434507	1329.88	ug/L		100
89)	Indeno(1,2,3-cd)pyrene	19.85	276	601671	1330.85	ug/L		100
90)	Dibenz(a,h)anthracene	19.92	278	501940	1360.43	ug/L		100
91)	Benzo(g,h,i)perylene	20.79	276	495461	1373.19	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\111604\A08147.D Vial: 0
Acq On : 16 Nov 2004 19:24 Operator: CLZ
Sample : 1500 UG/L 8270 ICAL STD NO 1281-1-7 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:04 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration


Abundance
TIC: A08147.D
Time-->
Pyridine,T
N-Nitrosodimethylamine,T
Cyclohexanone,T
2-Fluorophenol (S),S
Benzidine,T
4,6-Dinitro-2-methylphenol,T
Benzo(a)anthracene,T
Butylbenzylphthalate,T
Di-n octylphthalate,TC
Benzofluoranthenes,T
Benzo(g,h,i)perylene,T
Fluoranthene,TC
Pyrene,T
Di-n-butylphthalate,T
Carbazole,T
Hexachlorobenzene,T
Pentachlorophenol (S),S
4-Bromophenylphenylether,T
2,4,6-Tribromophenol (S),S
4-Nitroaniline,T
2-Nitroaniline,T
3-Nitroaniline,T
4-Chloro-3-methylphenol,TC
Hexachlorobutadiene,TC
4-Chloroaniline,T
2-Chlorophenol,TC
Naphthalene,TC
Dimethylphthalate,T
2,4-Dinitrophenol,TP
Diphenylether,T
Bis(2-chloroethoxy)methane,T
Phenol,TC
Benzyl alcohol,T
Nitrobenzene,T
2-Methylphenol,T
3-&4-Methylphenol,T
Bis(2-chloroethyl)ether,T
Acenaphthylene,T
Acenaphthene,T
Dibenzofuran,T
Fluorene,T
Phenanthrene,T
Anthracene,T
Indeno(1,2,3-cd)pyrene,T
Benzo(k)fluoranthene,T
Chrysene,T
Benzo(a)pyrene,TC
Benzo(b)fluoranthene,T
Benzidine,T
3,3'-Dichlorobenzidine,T
Bis(2-ethylhexyl)phthalate,T
Diethylphthalate,T
Dibenzo(a,h)anthracene,T
Dimethylphthalate,T
Diphenylamine,T
Benzo(a)pyrene,TC
Benzo(b)fluoranthene,T
Benzo(g,h,i)perylene,T
Indeno(1,2,3-cd)pyrene,T
Benzo(k)fluoranthene,T
Chrysene

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08148.D Vial: 0
Acq On : 16 Nov 2004 19:51 Operator: CLZ
Sample : 2000 UG/L 8270 ICAL STD NO 1281-1-8 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:05:24 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:05:20 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.98	152	74787	1000.00 ug/L	0.00
22) Naphthalene - d8 (I)	7.50	136	295487	1000.00 ug/L	-0.01
38) Acenaphthene - d10 (I)	9.47	162	183821	1000.00 ug/L	-0.01
62) Phenanthrene - d10 (I)	11.06	188	284521	1000.00 ug/L	-0.01
79) Chrysene - d12 (I)	14.11	240	528798	1000.00 ul/l	0.00
85) Perylene - d12 (I)	16.77	264	574506	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.39	112	121671	1990.75 ug/L	0.01
7) Phenol - d5 (S)	5.61	99	137569	2109.29 ug/L	0.03
23) Nitrobenzene - d5 (S)	6.69	82	155714	2093.63 ug/L	0.02
43) 2 - Fluorobiphenyl (S)	8.73	172	286126	1935.73 ug/L	0.00
65) 2,4,6 - Tribromophenol (S)	10.33	330	83163	2144.63 ug/L	-0.03
78) p - Terphenyl - d14 (S)	12.78	244	492147	2484.71 ug/L	-0.05
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.59	74	229145	11436.24 ug/L	100
3) Pyridine	2.61	79	988695+	10060.12 ug/L	96
5) Cyclohexanone	4.66	55	63969	2392.27 ug/L	79
6) Aniline	5.63	93	177561	2338.78 ug/L	100
8) Phenol	5.63	94	171996	2465.73 ug/L #	14
9) bis(2-Chloroethyl)ether	5.71	63	140400	2446.62 ug/L	100
10) 2-Chlorophenol	5.76	128	135090	1902.95 ug/L	84
11) Decane	5.83	57	128372	1966.68 ug/L	96
12) 1,3-Dichlorobenzene	5.93	146	172932	2022.51 ug/L	96
13) 1,4-Dichlorobenzene	6.00	146	186076	2226.66 ug/L #	17
14) Benzyl alcohol	6.19	79	166724	2276.69 ug/L	96
15) 1,2-Dichlorobenzene	6.23	146	166868	1975.69 ug/L	79
16) 2-Methylphenol	6.35	108	104697	2019.46 ug/L	91
17) bis(2-chloroisopropyl)ethe	6.38	121	16944	2469.14 ug/L	100
18) 3-&4-Methylphenol	6.53	108	210204	4342.93 ug/L	94
19) n-Nitroso-di-n-propylamine	6.54	70	94507	2169.57 ug/L	87
20) Acetophenone	6.51	105	297057	2123.84 ug/L	41
21) Hexachloroethane	6.60	166	40659	2222.19 ug/L #	74
24) Nitrobenzene	6.71	77	139424	1847.73 ug/L	66
25) Isophorone	6.98	82	230409	1762.96 ug/L	91
26) 2-Nitrophenol	7.09	139	84310	1885.99 ug/L	98
27) 2,4-Dimethylphenol	7.14	107	194154	1933.39 ug/L	98
28) bis(2-Chloroethoxy)methane	7.25	93	159649	1952.76 ug/L	98
29) Benzoic Acid	7.27	105	543693	8427.49 ug/L	100
30) 2,4-Dichlorophenol	7.36	162	122610	1880.56 ug/L	92
31) 1,2,4-Trichlorobenzene	7.45	180	141177	1858.76 ug/L	89
32) Naphthalene	7.52	128	421264	1833.33 ug/L	97
33) 4-Chloroaniline	7.61	127	143936	1783.12 ug/L	93
34) Hexachlorobutadiene	7.73	225	102996	1693.60 ug/L	99
35) 4-Chloro-3-methylphenol	8.15	107	189251	2012.50 ug/L	77
36) 2-Methylnaphthalene	8.30	141	295825	2049.83 ug/L	100
37) 1-Methylnaphthalene	8.42	141	302593	1934.02 ul/l	94
39) Hexachlorocyclopentadiene	8.56	237	111513	2090.33 ug/L	88
40) 2,6-Dichloroaniline	8.65	161	165322	1849.72 ug/L	99
41) 2,4,6-Trichlorophenol	8.64	196	69092	1653.64 ug/L	97
42) 2,4,5-Trichlorophenol	8.68	196	91931	1933.94 ug/L	95
44) 2-Chloronaphthalene	8.84	162	255640	1820.82 ug/L	69
45) Biphenyl	8.82	154	357271	2214.46 ug/L	89

= qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08148.D Vial: 0
Acq On : 16 Nov 2004 19:51 Operator: CLZ
Sample : 2000 UG/L 8270 ICAL STD NO 1281-1-8 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:05:24 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:05:20 2004
Response via : Initial Calibration
DataAcq Meth :

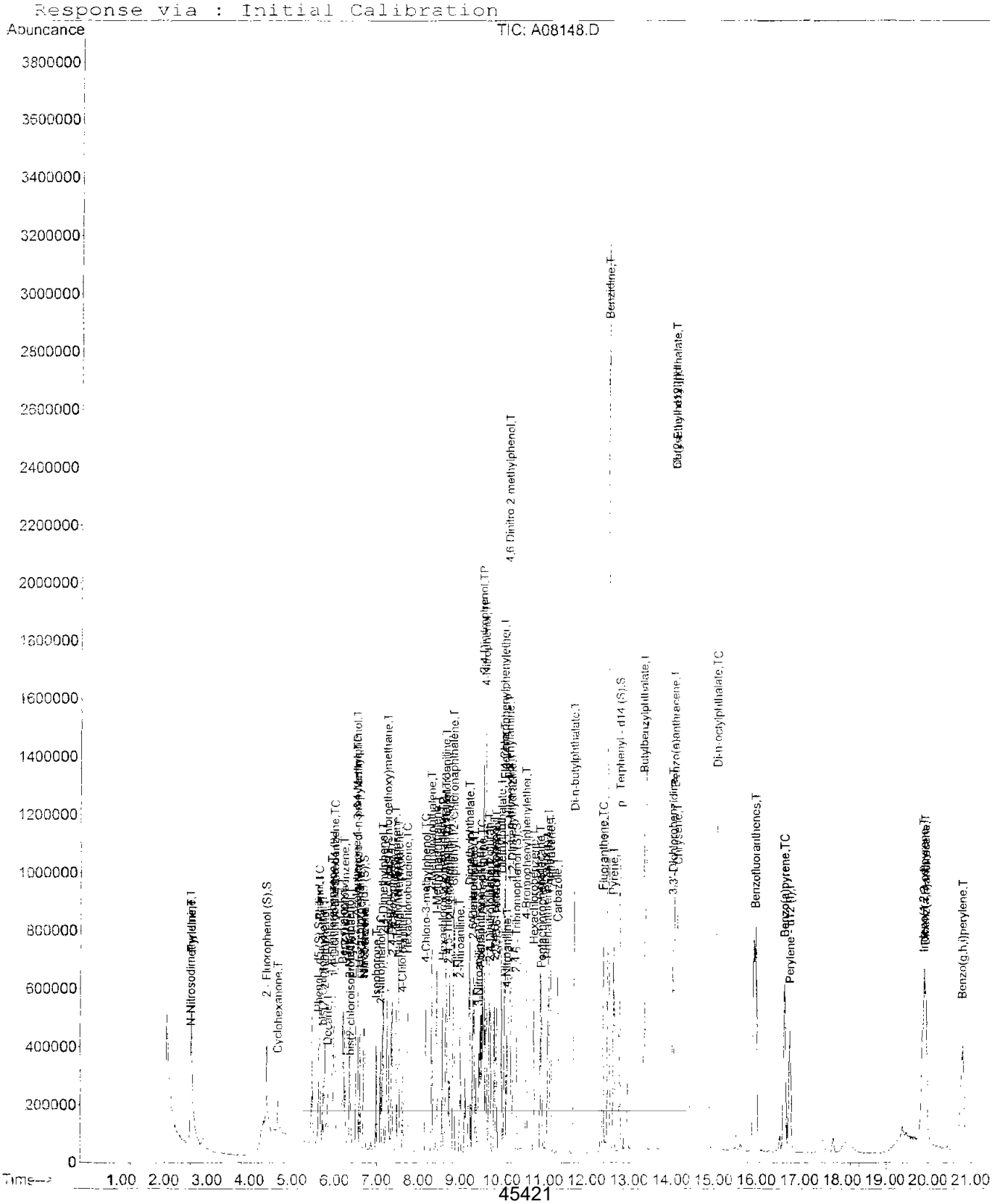
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	2-Nitroaniline	8.98	138	106893	2101.92 ug/L	85
47)	Dimethylphthalate	9.21	163	409285	1928.06 ug/L	100
48)	Acenaphthylene	9.30	152	423021	2032.90 ug/L	97
49)	2,6-Dinitrotoluene	9.28	165	82195	2039.90 ug/L	59
50)	3-Nitroaniline	9.43	138	87994	2072.77 ug/L	87
51)	Acenaphthene	9.50	153	341859	2303.28 ug/L	100
52)	2,4-Dinitrophenol	9.54	184	228447	10210.55 ug/L	44
53)	4-Nitrophenol	9.61	109	404257	11332.89 ug/L #	63
54)	Dibenzofuran	9.68	168	363559	1884.86 ug/L	93
55)	2,4-Dinitrotoluene	9.70	165	139565	1977.09 ug/L	94
56)	2,3,4,6-Tetrachlorophenol	9.81	232	97246	2520.76 ug/L	92
57)	2,3,5,6-Tetrachlorophenol	9.85	232	85696	1959.40 ug/L	93
58)	Diethylphthalate	9.97	149	368029	1789.78 ug/L	53
59)	Fluorene	10.05	166	293707	2150.54 ug/L	71
60)	4-Chlorophenylphenylether	10.04	204	181406	1970.48 ug/L	54
61)	4-Nitroaniline	10.10	138	95669	2183.67 ug/L	96
63)	4,6-Dinitro-2-methylphenol	10.15	198	363239	11010.20 ug/L	94
64)	n-Nitrosodiphenylamine	10.17	169	260320	2350.89 ug/L #	1
66)	1,2-Diphenylhydrazine	10.21	182	127692	2130.15 ug/L #	35
67)	4-Bromophenylphenylether	10.57	248	109942	1716.99 ug/L	69
68)	Hexachlorobenzene	10.74	284	113792	2020.20 ug/L	81
69)	Pentachlorophenol	10.92	266	83218	2303.40 ug/L	91
70)	Phenanthrene	11.09	178	462812	2136.74 ug/L	67
71)	Anthracene	11.14	178	456836	2227.36 ug/L	76
72)	Octadecane	10.89	57	224197	1766.12 ug/L	93
73)	Carbazole	11.30	167	449359	2303.91 ug/L	96
74)	Di-n-butylphthalate	11.70	149	728237	2040.14 ug/L	99
75)	Fluoranthene	12.38	202	524138	2310.89 ug/L	80
76)	Pyrene	12.63	202	515169	2251.11 ug/L	64
77)	Benzidine	12.51	184	2542605	14364.79 ug/L	100
80)	Butylbenzylphthalate	13.35	149	511465	1769.72 ug/L	97
81)	Benzo(a)anthracene	14.08	228	770848	1941.41 ug/L	71
82)	3,3'-Dichlorobenzidine	14.03	252	463593+	1498.20 ug/L	96
83)	Chrysene	14.14	228	657052	1893.22 ug/L	96
84)	bis(2-Ethylhexyl)phthalate	14.11	149	860670	1747.56 ug/L	90
86)	Di-n-octylphthalate	15.08	149	1399959	1785.71 ug/L	97
87)	Benzofluoranthenes	15.96	252	1765600	4035.77 ug/L	79
88)	Benzo(a)pyrene	16.65	252	840974	2055.30 ug/L	100
89)	Indeno(1,2,3-cd)pyrene	19.87	276	1107147	1952.60 ug/L	100
90)	Dibenz(a,h)anthracene	19.93	278	925578	1994.76 ug/L	100
91)	Benzo(g,h,i)perylene	20.81	276	925624	2037.01 ug/L	100

= qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08148.D Vial: 0
Acq On : 16 Nov 2004 19:51 Operator: CLZ
Sample : 2000 UG/L 8270 ICAL STD NO 1281-1-8 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:05 2004 Quant Results File: SV5-111604.RE

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration



45421

06900

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08149.D Vial: C
Acq On : 16 Nov 2004 20:17 Operator: CLZ
Sample : 2500 UG/L 8270 ICAL STD NC 1281-1-9 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:06:05 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:02 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.98	152	88594	1000.00 ug/L	0.00
22) Naphthalene - d8 (I)	7.50	136	262305	1000.00 ug/L	-0.01
38) Acenaphthene - d10 (I)	9.47	162	171345	1000.00 ug/L	-0.01
62) Phenanthrene - d10 (I)	11.07	188	275927	1000.00 ug/L	0.00
79) Chrysene - d12 (I)	14.10	240	393848	1000.00 ul/l	0.00
85) Perylene - d12 (I)	16.77	264	472043	1000.00 ug/L	-0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.39	112	167124	2314.01 ug/L	0.01
7) Phenol - d5 (S)	5.61	99	185044	2367.77 ug/L	0.03
23) Nitrobenzene - d5 (S)	6.69	82	180790	2743.09 ug/L	0.02
43) 2 - Fluorobiphenyl (S)	8.73	172	311531	2310.11 ug/L	0.00
65) 2,4,6 - Tribromophenol (S)	10.33	330	77924	2182.51 ug/L	-0.03
76) p - Terphenyl - d14 (S)	12.77	244	482967	2459.05 ug/L	-0.06
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.59	74	313230	12590.78 ug/L	100
3) Pyridine	2.60	79	1308935+	11130.82 ug/L	95
5) Cyclohexanone	4.66	55	73332	2221.25 ug/L	90
6) Aniline	5.63	93	225786	2520.36 ug/L	100
8) Phenol	5.63	94	199995	2333.53 ug/L #	12
9) bis(2-Chloroethyl)ether	5.71	63	163234	2213.12 ug/L	100
10) 2-Chlorophenol	5.76	128	181390	2169.35 ug/L	63
11) Decane	5.82	57	183861	2331.11 ug/L	88
12) 1,3-Dichlorobenzene	5.94	146	222087	2199.46 ug/L	97
13) 1,4-Dichlorobenzene	6.00	146	221399	2221.83 ug/L	73
14) Benzyl alcohol	6.19	79	214416	2404.27 ug/L	86
15) 1,2-Dichlorobenzene	6.23	146	220454	2224.02 ug/L	81
16) 2-Methylphenol	6.35	108	139875	2255.25 ug/L	90
17) bis(2-chloroisopropyl)ethe	6.38	121	21458	2337.47 ug/L	100
18) 3-&4-Methylphenol	6.53	108	268036	4634.01 ug/L	92
19) n-Nitroso-di-n-propylamine	6.54	70	108073	2036.35 ug/L	86
20) Acetophenone	6.51	105	365100	2162.53 ug/L	40
21) Hexachloroethane	6.60	166	52016	2336.56 ug/L #	70
24) Nitrobenzene	6.71	77	167277	2514.34 ug/L	68
25) Isophorone	6.93	82	276024	2426.16 ug/L	90
26) 2-Nitrophenol	7.08	139	102777	2726.29 ug/L	90
27) 2,4-Dimethylphenol	7.14	107	209245	2358.45 ug/L	99
28) bis(2-Chloroethoxy)methane	7.25	93	155804	2143.11 ug/L	89
29) Benzoic Acid	7.28	105	656070	12782.00 ug/L	100
30) 2,4-Dichlorophenol	7.36	162	139877	2547.43 ug/L	93
31) 1,2,4-Trichlorobenzene	7.45	180	160837	2477.65 ug/L	89
32) Naphthalene	7.52	128	511462	2527.48 ug/L	100
33) 4-Chloroaniline	7.61	127	152454	2283.65 ug/L	88
34) Hexachlorobutadiene	7.73	225	119878	2308.16 ug/L	97
35) 4-Chloro-3-methylphenol	8.18	107	202551	2488.34 ug/L	73
36) 2-Methylnaphthalene	8.30	141	332475	2656.59 ug/L	100
37) 1-Methylnaphthalene	8.42	141	309574	2268.62 ul/l	97
39) Hexachlorocyclopentadiene	8.56	237	129345	2665.73 ug/L	87
40) 2,3-Dichloroaniline	8.65	161	197910	2504.81 ug/L	98
41) 2,4,6-Trichlorophenol	8.64	196	95011	2614.77 ug/L	85
42) 2,4,5-Trichlorophenol	8.69	196	98048	2365.35 ug/L	88
44) 2-Chloronaphthalene	8.84	162	274623	2171.98 ug/L	78
45) Biphenyl	8.82	154	360627	2425.67 ug/L	83

= qualifier out of range (m) = manual integration

45423

00691

Data File : W:\111604\A08149.D
Acq On : 16 Nov 2004 20:17
Sample : 2500 UG/L 8270 ICAL STD NO 1281-1-9
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:06:05 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:02 2004
Response via : Initial Calibration
DataAcq Meth :

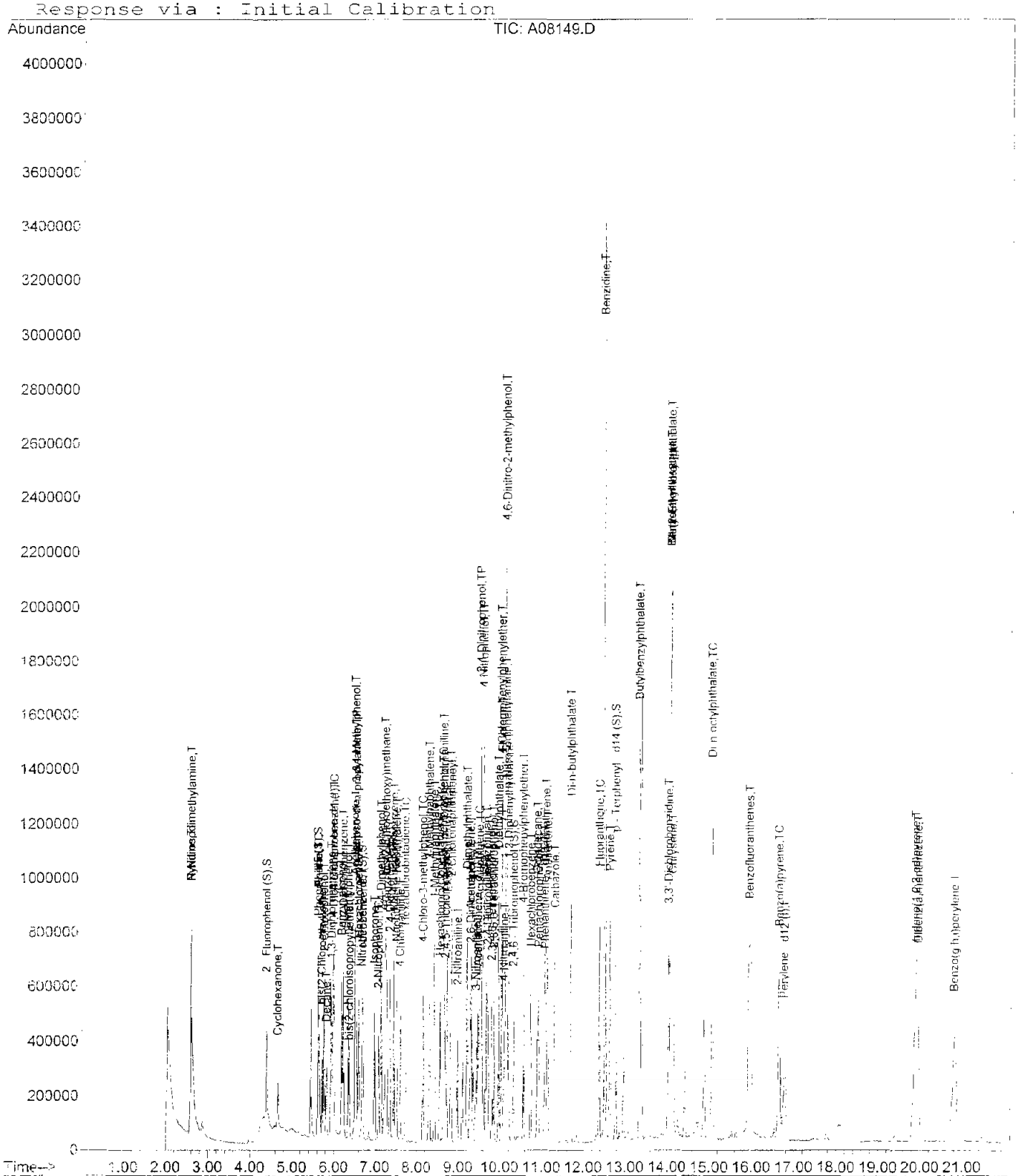
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	2-Nitroaniline	8.98	138	103189	2248.44 ug/L	83
47)	Dimethylphthalate	9.21	163	418186	2199.76 ug/L	95
48)	Acenaphthylene	9.31	152	448141	2338.12 ug/L	94
49)	2,6-Dinitrotoluene	9.28	165	78583	2165.02 ug/L	64
50)	3-Nitroaniline	9.43	138	97299	2584.26 ug/L	90
51)	Acenaphthene	9.51	153	343925	2450.29 ug/L	100
52)	2,4-Dinitrophenol	9.54	184	271693	13891.54 ug/L	60
53)	4-Nitrophenol	9.61	109	372652	10540.41 ug/L #	54
54)	Dibenzofuran	9.68	168	425544	2446.74 ug/L	97
55)	2,4-Dinitrotoluene	9.70	165	150527	2379.86 ug/L	100
56)	2,3,4,6-Tetrachlorophenol	9.81	232	105678	3052.47 ug/L	92
57)	2,3,5,6-Tetrachlorophenol	9.85	232	86257	2217.34 ug/L	89
58)	Diethylphthalate	9.97	149	392573	2077.39 ug/L	43
59)	Fluorene	10.05	166	297407	2359.25 ug/L	62
60)	4-Chlorophenylphenylether	10.04	204	165884	1959.28 ug/L	28
61)	4-Nitroaniline	10.10	138	97284	2441.32 ug/L	98
63)	4,6-Dinitro-2-methylphenol	10.15	198	424454	14218.45 ug/L	90
64)	n-Nitrosodiphenylamine	10.17	169	285570	2696.46 ug/L #	1
66)	1,2-Diphenylhydrazine	10.21	182	129587	2310.11 ug/L #	30
67)	4-Bromophenylphenylether	10.57	248	130470	2253.19 ug/L	81
68)	Hexachlorobenzene	10.74	284	133053	2461.88 ug/L	85
69)	Pentachlorophenol	10.92	266	87454	2606.33 ug/L	85
70)	Phenanthrene	11.09	178	509803	2421.27 ug/L	64
71)	Anthracene	11.14	178	482670	2424.26 ug/L	76
72)	Octadecane	10.89	57	255780	2103.74 ug/L	86
73)	Carbazole	11.31	167	447396	2647.37 ug/L	100
74)	Di-n-butylphthalate	11.70	149	778525	2195.56 ug/L	96
75)	Fluoranthene	12.38	202	583264	2601.06 ug/L	77
76)	Pyrene	12.63	202	592686	2629.39 ug/L	65
77)	Benzidine	12.50	184	2632258	13976.56 ug/L	100
80)	Butylbenzylphthalate	13.34	149	582465	2816.43 ug/L	97
81)	Benzo(a)anthracene	14.08	228	777514	2670.56 ug/L	68
82)	3,3'-Dichlorobenzidine	14.03	252	446975-	2066.99 ug/L	95
83)	Chrysene	14.14	228	679841	2672.77 ug/L	98
84)	bis(2-Ethylhexyl)phthalate	14.10	149	865730	2430.78 ug/L	84
86)	Di-n-octylphthalate	15.07	149	1435554	2261.70 ug/L	97
87)	Benzofluoranthenes	15.96	252	1871527	5253.06 ug/L	77
88)	Benzo(a)pyrene	16.65	252	885688	2669.62 ug/L	100
89)	Indeno(1,2,3-cd)pyrene	19.87	276	1231994	2678.30 ug/L	100
90)	Dibenz(a,h)anthracene	19.94	278	1012750	2683.73 ug/L	100
91)	Benzo(g,h,i)perylene	20.80	276	987571	2658.93 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

45425
00692

Data File : W:\111604\A08149.D Vial: 0
Acq On : 16 Nov 2004 20:17 Operator: CLZ
Sample : 2500 UG/L 8270 ICAL STD NO 1281-1-9 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:06 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration



00693

Quantitation Report (Not Reviewed)

Data File : W:\111604\A08150.D Vial: 0
Acq On : 16 Nov 2004 20:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:08:17 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.99	152	79090	1000.00	ug/L	0.01
22) Naphthalene - d8 (I)	7.52	136	273829	1000.00	ug/L	0.00
38) Acenaphthene - d10 (I)	9.49	162	198223	1000.00	ug/L	0.00
62) Phenanthrene - d10 (I)	11.08	188	298183	1000.00	ug/L	0.01
79) Chrysene - d12 (I)	14.13	240	491920	1000.00	ug/L	0.02
85) Perylene - d12 (I)	16.80	264	556180	1000.00	ug/L	0.02
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.40	112	113	1.79	ug/L	0.02
7) Phenol - d5 (S)	5.62	99	112	1.63	ug/L	0.04
23) Nitrobenzene - d5 (S)	6.61	82	13067	188.37	ug/L	-0.06
43) 2 - Fluorobiphenyl (S)	8.74	172	181	1.20	ug/L	0.02
65) 2,4,6 - Tribromophenol (S)	0.00	330	0	0.00	ug/L	
78) p - Terphenyl - d14 (S)	12.79	244	588	2.77	ug/L	-0.04

Target Compounds							Qvalue
2) N-Nitrosodimethylamine	2.59	74	109231	4757.04	ug/L		100
3) Pyridine	2.62	79	531600+	5013.77	ug/L		98
5) Cyclohexanone	4.68	55	16511	564.53	ug/L		84
6) Aniline	5.65	93	91749	1202.27	ug/L		100
8) Phenol	5.64	94	74823	983.61	ug/L	#	1
9) bis(2-Chloroethyl)ether	5.75	63	71036	1054.02	ug/L		100
10) 2-Chlorophenol	5.78	128	71550	978.83	ug/L		63
11) Decane	5.84	57	62576	870.77	ug/L		94
12) 1,3-Dichlorobenzene	5.95	146	90742	1029.26	ug/L		91
13) 1,4-Dichlorobenzene	6.01	146	90781	1053.42	ug/L		74
14) Benzyl alcohol	6.20	79	87304	1079.38	ug/L		97
15) 1,2-Dichlorobenzene	6.25	146	90198	1035.41	ug/L		79
16) 2-Methylphenol	6.37	108	62354	1133.23	ug/L		84
17) bis(2-chloroisopropyl)ethe	6.40	121	8122	926.09	ug/L		100
18) 3-&4-Methylphenol	6.54	108	57292	1124.77	ug/L		91
19) n-Nitroso-di-n-propylamine	6.56	70	50241	1061.07	ug/L		92
20) Acetophenone	6.52	105	131949	876.46	ug/L		65
21) Hexachloroethane	6.62	166	18957	956.49	ug/L	#	66
24) Nitrobenzene	6.72	77	69544	988.49	ug/L		76
25) Isophorone	7.00	82	115948	985.65	ug/L		90
26) 2-Nitrophenol	7.10	139	45300	1184.14	ug/L		89
27) 2,4-Dimethylphenol	7.16	107	93332	1016.13	ug/L		98
28) bis(2-Chloroethoxy)methane	7.27	93	78847	1072.73	ug/L		96
29) Benzoic Acid	7.25	105	159822	3329.08	ug/L		100
30) 2,4-Dichlorophenol	7.37	162	59490	1096.26	ug/L		94
31) 1,2,4-Trichlorobenzene	7.47	180	68730	1052.99	ug/L		91
32) Naphthalene	7.54	128	223603	1048.18	ug/L		96
33) 4-Chloroaniline	7.63	127	75996	1178.56	ug/L		87
34) Hexachlorobutadiene	7.75	225	48588	937.86	ug/L		96
35) 4-Chloro-3-methylphenol	8.17	107	88041	1062.55	ug/L		72
36) 2-Methylnaphthalene	8.32	141	158423	1232.67	ug/L		100
37) 1-Methylnaphthalene	8.44	141	145886	1051.76	ug/L		92
39) Hexachlorocyclopentadiene	8.57	237	45135	840.89	ug/L		95
40) 2,3-Dichloroaniline	8.67	161	83101	992.20	ug/L		94
41) 2,4,6-Trichlorophenol	8.66	196	44153	1103.08	ug/L		87
42) 2,4,5-Trichlorophenol	8.70	196	45780	1024.44	ug/L		100
44) 2-Chloronaphthalene	8.86	162	142212	1024.87	ug/L		71
45) Biphenyl	8.84	154	170910	1030.34	ug/L		85

= qualifier out of range (m) = manual integration

45429
00694

Data File : W:\111604\A08150.D Vial: 0
Acq On : 16 Nov 2004 20:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:08:17 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration
DataAcq Meth :

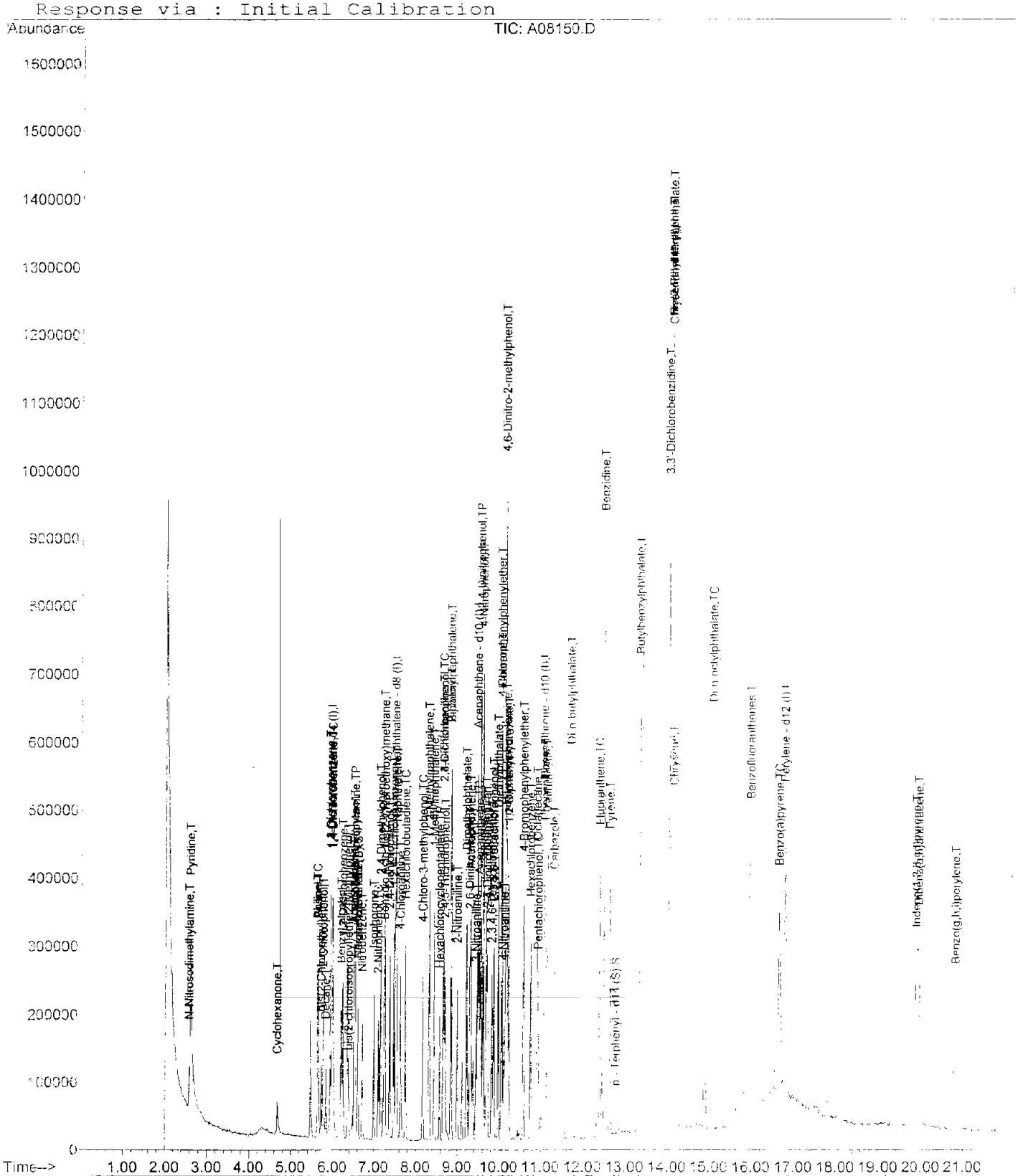
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	2-Nitroaniline	9.00	138	50585	1038.58	ug/L		85
47)	Dimethylphthalate	9.22	163	198104	963.28	ug/L		96
48)	Acenaphthylene	9.32	152	198822	916.11	ug/L		98
49)	2,6-Dinitrotoluene	9.30	165	43280	1119.77	ug/L		75
50)	3-Nitroaniline	9.45	138	42485	1050.00	ug/L		65
51)	Acenaphthene	9.52	153	156259	970.90	ug/L		100
52)	2,4-Dinitrophenol	9.56	184	113499	5382.90	ug/L		64
53)	4-Nitrophenol	9.62	109	195326	4615.98	ug/L		82
54)	Dibenzofuran	9.70	168	183621	936.42	ug/L		92
55)	2,4-Dinitrotoluene	9.72	165	75078	1094.07	ug/L		100
56)	2,3,4,6-Tetrachlorophenol	9.83	232	49598	1313.03	ug/L		92
57)	2,3,5,6-Tetrachlorophenol	9.87	232	44612	1109.76	ul/l		94
58)	Diethylphthalate	9.98	149	217062	1019.02	ug/L		82
59)	Fluorene	10.07	166	142940	1015.64	ug/L		63
60)	4-Chlorophenylphenylether	10.06	204	90424	984.97	ug/L		62
61)	4-Nitroaniline	10.12	138	40626	923.39	ug/L		84
63)	4,6-Dinitro-2-methylphenol	10.16	198	193744	6450.25	ug/L		94
64)	n-Nitrosodiphenylamine	10.19	169	124055	1098.50	ug/L	#	1
66)	1,2-Diphenylhydrazine	10.23	182	54220	950.63	ug/L	#	19
67)	4-Bromophenylphenylether	10.59	248	59484	1025.21	ug/L		65
68)	Hexachlorobenzene	10.76	284	62372	1091.28	ug/L		80
69)	Pentachlorophenol	10.94	266	32333	935.74	ug/L		86
70)	Phenanthrene	11.11	178	221000	970.42	ug/L		70
71)	Anthracene	11.16	178	223444	1059.74	ug/L		65
72)	Octadecane	10.91	57	119027	919.19	ug/L		86
73)	Carbazole	11.32	167	218796	1076.83	ug/L		98
74)	Di-n-butylphthalate	11.72	149	381981	986.75	ug/L		97
75)	Fluoranthene	12.40	202	259934	1055.49	ug/L		76
76)	Pyrene	12.65	202	258772	1040.10	ug/L		68
77)	Benzidine	12.52	184	514597	2297.69	ug/L		100
80)	Butylbenzylphthalate	13.36	149	277701	1089.36	ug/L		98
81)	Benzo(a)anthracene	14.11	228	357488	993.75	ug/L		75
82)	3,3'-Dichlorobenzidine	14.05	252	559764+	2240.48	ug/L		96
83)	Chrysene	14.16	228	300925	963.29	ug/L		95
84)	bis(2-Ethylhexyl)phthalate	14.12	149	459242	1023.16	ug/L		84
86)	Di-n-octylphthalate	15.10	149	707084	958.31	ug/L		98
87)	Benzofluoranthenes	15.98	252	840046	2006.70	ug/L		77
88)	Benzo(a)pyrene	16.66	252	396850	1022.99	ug/L		100
89)	Indeno(1,2,3-cd)pyrene	19.89	276	542627	1005.20	ug/L		100
90)	Dibenz(a,h)anthracene	19.96	278	473982	1065.39	ug/L		100
91)	Benzo(g,h,i)perylene	20.81	276	463303	1057.46	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

45431
00695

Data File : W:\111604\A08150.D Vial: 0
Acq On : 16 Nov 2004 20:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:08 2004 Quant Results File: SV5-111604.RE

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Initial Calibration



96900

Evaluate Continuing Calibration Report

Data File : W:\111604\A08150.D Vial: 0
Acq On : 16 Nov 2004 20:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	94	0.01
2	T	N-Nitrosodimethylamine	5000.000	4757.036	4.9	92	0.00
3	T	Pyridine	5000.000	5013.767	-0.3	98	-0.01
4	S	2 - Fluorophenol (S)	1000.000	1.790	99.8#	0	0.02
5	T	Cyclohexanone	1000.000	564.534	43.5#	54	0.05
6	T	Aniline	1000.000	1202.269	-20.2#	109	0.03
7	S	Phenol - d5 (S)	1000.000	1.633	99.8#	0	0.04
8	TC	Phenol	1000.000	983.608	1.6	105	0.01
9	T	bis(2-Chloroethyl)ether	1000.000	1054.015	-5.4	97	0.02
10	T	2-Chlorophenol	1000.000	978.830	2.1	99	0.04
11	T	Decane	1000.000	870.771	12.9	88	0.00
12	T	1,3-Dichlorobenzene	1000.000	1029.264	-2.9	98	0.02
13	TC	1,4-Dichlorobenzene	1000.000	1053.418	-5.3	108	0.01
14	T	Benzyl alcohol	1000.000	1079.381	-7.9	108	0.00
15	T	1,2-Dichlorobenzene	1000.000	1035.414	-3.5	102	0.01
16	T	2-Methylphenol	1000.000	1133.230	-13.3	126	0.00
17	T	bis(2-chloroisopropyl)ether	1000.000	926.089	7.4	91	-0.02
18	T	3-&4-Methylphenol	2000.000	1124.773	43.8#	53	-0.03
19	TP	n-Nitroso-di-n-propylamine	1000.000	1061.068	-6.1	106	0.00
20	T	Acetophenone	1000.000	876.460	12.4	92	-0.04
21	T	Hexachloroethane	1000.000	956.495	4.4	98	0.00
22	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	109	0.00
23	S	Nitrobenzene - d5 (S)	1000.000	188.368	81.2#	18	-0.06
24	T	Nitrobenzene	1000.000	988.490	1.2	103	0.03
25	T	Isophorone	1000.000	985.652	1.4	106	0.01
26	TC	2-Nitrophenol	1000.000	1184.138	-18.4	107	0.01
27	T	2,4-Dimethylphenol	1000.000	1016.133	-1.6	112	0.00
28	T	bis(2-Chloroethoxy)methane	1000.000	1072.726	-7.3	123	0.01
29	T	Benzoic Acid	5000.000	3329.079	33.4#	73	0.02
30	TC	2,4-Dichlorophenol	1000.000	1096.259	-9.6	108	0.00
31	T	1,2,4-Trichlorobenzene	1000.000	1052.989	-5.3	101	0.00
32	T	Naphthalene	1000.000	1048.184	-4.8	111	0.00
33	T	4-Chloroaniline	1000.000	1178.564	-17.9	111	0.00
34	TC	Hexachlorobutadiene	1000.000	937.857	6.2	91	0.00
35	TC	4-Chloro-3-methylphenol	1000.000	1062.553	-6.3	113	-0.03
36	T	2-Methylnaphthalene	1000.000	1232.667	-23.3#	119	-0.02
37	T	1-Methylnaphthalene	1000.000	1051.760	-5.2	117	-0.03
38	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	133	0.00
39	TP	Hexachlorocyclopentadiene	1000.000	840.885	15.9	100	0.00
40	T	2,3-Dichloroaniline	1000.000	992.202	0.8	134	0.01
41	TC	2,4,6-Trichlorophenol	1000.000	1103.083	-10.3	131	0.00
42	T	2,4,5-Trichlorophenol	1000.000	1024.442	-2.4	145	0.00
43	S	2 - Fluorobiphenyl (S)	1000.000	1.201	99.9#	0	0.01
44	T	2-Chloronaphthalene	1000.000	1024.874	-2.5	119	0.00
45	T	Biphenyl	1000.000	1030.337	-3.0	139	0.00
46	T	2-Nitroaniline	1000.000	1038.582	-3.9	141	0.01
47	T	Dimethylphthalate	1000.000	963.281	3.7	129	0.00
48	T	Acenaphthylene	1000.000	916.107	8.4	128	0.00
49	T	2,6-Dinitrotoluene	1000.000	1119.768	-12.0	134	0.00
50	T	3-Nitroaniline	1000.000	1049.998	-5.0	128	0.00
51	TC	Acenaphthene	1000.000	970.903	2.9	134	0.00

= Out of Range

Evaluate Continuing Calibration Report

Data File : W:\111604\A08150.D Vial: 0
Acq On : 16 Nov 2004 20:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	TP	2,4-Dinitrophenol	5000.000	5382.905	-7.7	135	0.00
53	TP	4-Nitrophenol	5000.000	4615.978	7.7	109	0.00
54	T	Dibenzofuran	1000.000	936.415	6.4	125	0.02
55	T	2,4-Dinitrotoluene	1000.000	1094.066	-9.4	135	0.02
56	T	2,3,4,6-Tetrachlorophenol	1000.000	1313.030	-31.3#	159	0.02
57	T	2,3,5,6-Tetrachlorophenol	1000.000	1109.757	-11.0	142	0.01
58	T	Diethylphthalate	1000.000	1019.015	-1.9	124	-0.01
59	T	Fluorene	1000.000	1015.640	-1.6	132	-0.02
60	T	4-Chlorophenylphenylether	1000.000	984.967	1.5	134	0.00
61	T	4-Nitroaniline	1000.000	923.390	7.7	120	0.00
62	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	131	0.01
63	T	4,6-Dinitro-2-methylphenol	5000.000	6450.251	-29.0#	150	0.00
64	T	n-Nitrosodiphenylamine	1000.000	1098.503	-9.9	134	0.02
65	S	2,4,6 - Tribromophenol (S)	1000.000	0.000	100.0#	0	-10.35#
66	T	1,2-Diphenylhydrazine	1000.000	950.632	4.9	113	0.01
67	T	4-Bromophenylphenylether	1000.000	1025.206	-2.5	146	0.00
68	T	Hexachlorobenzene	1000.000	1091.282	-9.1	136	0.02
69	TC	Pentachlorophenol	1000.000	935.739	6.4	125	0.00
70	T	Phenanthrene	1000.000	970.420	3.0	119	0.02
71	T	Anthracene	1000.000	1059.741	-6.0	141	0.00
72	T	Octadecane	1000.000	919.189	8.1	130	0.00
73	T	Carbazole	1000.000	1076.835	-7.7	142	0.00
74	T	Di-n-butylphthalate	1000.000	986.748	1.3	114	0.00
75	TC	Fluoranthene	1000.000	1055.494	-5.5	131	-0.02
76	T	Pyrene	1000.000	1040.100	-4.0	130	-0.02
77	T	Benzidine	5000.000	2297.691	54.0#	60	-0.00
78	S	p - Terphenyl - d14 (S)	1000.000	2.766	99.7#	0	-0.04
79	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	136	0.02
80	T	Butylbenzylphthalate	1000.000	1089.362	-8.9	213	0.02
81	T	Benzo(a)anthracene	1000.000	993.750	0.6	126	0.03
82	T	3,3'-Dichlorobenzidine	1000.000	2240.484	-124.0#	285	0.04
83	T	Chrysene	1000.000	963.285	3.7	123	0.02
84	T	bis(2-Ethylhexyl)phthalate	1000.000	1023.158	-2.3	128	0.02
85	I	Perylene - d12 (I)	1000.000	1000.000	0.0	130	0.02
86	TC	Di-n-octylphthalate	1000.000	958.306	4.2	126	-0.06
87	T	Benzofluoranthenes	2000.000	2006.696	-0.3	129	0.00
88	TC	Benzo(a)pyrene	1000.000	1022.991	-2.3	133	0.01
89	T	Indeno(1,2,3-cd)pyrene	1000.000	1005.196	-0.5	132	0.02
90	T	Dibenz(a,h)anthracene	1000.000	1065.391	-6.5	138	0.02
91	T	Benzo(g,h,i)perylene	1000.000	1057.464	-5.7	131	0.02

(#) = Out of Range SPCC's 45437 = 0 CCC's out = 0

00698

Data File : W:\111604\A08150.D Vial: 0
Acq On : 16 Nov 2004 20:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	94	0.01
2	T	N-Nitrosodimethylamine	0.290	0.276#	4.8	92	0.00
3	T	Pyridine	1.341	1.344#	-0.2	98	-0.01
4	S	2 - Fluorophenol (S)	0.798	0.001#	99.9#	0#	0.02
5	T	Cyclohexanone	0.370	0.209#	43.5#	54	0.05
6	T	Aniline	0.965	1.160#	-20.2#	109	0.03
7	S	Phenol - d5 (S)	0.867	0.001#	99.9#	0#	0.04
8	TC	Phenol	0.962	0.946#	1.7	105	0.01
9	T	bis(2-Chloroethyl)ether	0.852	0.898#	-5.4	97	0.02
10	T	2-Chlorophenol	0.924	0.905#	2.1	99	0.04
11	T	Decane	0.909	0.791#	13.0	88	0.00
12	T	1,3-Dichlorobenzene	1.115	1.147#	-2.9	96	0.02
13	TC	1,4-Dichlorobenzene	1.090	1.148#	-5.3	108	0.01
14	T	Benzyl alcohol	1.023	1.104#	-7.9	106	0.00
15	T	1,2-Dichlorobenzene	1.101	1.140#	-3.5	102	0.01
16	T	2-Methylphenol	0.696	0.788#	-13.2	126	0.00
17	T	bis(2-chloroisopropyl)ether	0.111	0.103#	7.2	91	-0.02
18	T	3-&4-Methylphenol	0.644	0.362#	43.8#	53	-0.05
19	TD	n-Nitroso-di-n-propylamine	0.599	0.635	-6.0	106	0.00
20	T	Acetophenone	1.903	1.668#	12.3	92	-0.04
21	T	Hexachloroethane	0.251	0.240#	4.4	98	0.00
22	I	Naphthalene - d8 (I)	1.000	1.000	0.0	109	0.00
23	S	Nitrobenzene - d5 (S)	0.253	0.048#	81.0#	18#	-0.06
24	T	Nitrobenzene	0.257	0.254#	1.2	103	0.03
25	T	Isophorone	0.430	0.423#	1.6	106	0.01
26	TC	2-Nitrophenol	0.140	0.165#	-17.9	107	0.01
27	T	2,4-Dimethylphenol	0.335	0.341#	-1.8	112	0.00
28	T	bis(2-Chloroethoxy)methane	0.268	0.288#	-7.5	123	0.01
29	T	Benzoic Acid	0.175	0.117#	33.1#	73	0.02
30	TC	2,4-Dichlorophenol	0.198	0.217#	-9.6	108	0.00
31	T	1,2,4-Trichlorobenzene	0.238	0.251#	-5.5	101	0.00
32	T	Naphthalene	0.779	0.817#	-4.9	112	0.00
33	T	4-Chloroaniline	0.235	0.278#	-18.3	111	0.00
34	TC	Hexachlorobutadiene	0.189	0.177#	6.3	92	0.00
35	TC	4-Chloro-3-methylphenol	0.303	0.322#	-6.3	113	-0.03
36	T	1-Methylnaphthalene	0.469	0.579#	-23.5#	119	-0.02
37	T	1-Methylnaphthalene	0.507	0.533#	-5.1	117	-0.03
38	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	132	0.00
39	TF	Hexachlorocyclopentadiene	0.271	0.228	15.9	100	0.02
40	T	2,3-Dichloroaniline	0.423	0.419#	0.9	134	0.01
41	TC	2,4,6-Trichlorophenol	0.202	0.223#	-10.4	131	0.00
42	T	2,4,5-Trichlorophenol	0.225	0.231#	-2.7	145	0.00
43	S	2 - Fluorobiphenyl (S)	0.760	0.001#	99.9#	0#	0.02
44	T	2-Chloronaphthalene	0.700	0.717#	-2.4	119	0.00
45	T	Biphenyl	0.837	0.862#	-3.0	139	0.00
46	T	2-Nitroaniline	0.246	0.255#	-3.7	141	0.01
47	T	Dimethylphthalate	1.037	0.999#	3.7	129	0.00
48	T	Acenaphthylene	1.095	1.003#	8.4	128	0.00
49	T	2,6-Dinitrotoluene	0.195	0.218#	-11.8	134	0.00
50	T	3-Nitroaniline	0.204	0.214#	-4.9	125	0.00
51	TI	Acenaphthene	0.812	0.788#	3.0	134	0.00

#. = Out of Range

Data File : W:\111604\A0815C.D Vial: 0
Acq On : 16 Nov 2004 20:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:26 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	TP	2,4-Dinitrophenol	0.106	0.115	-8.5	135	0.00
53	TP	4-Nitrophenol	0.213	0.197	7.5	109	0.00
54	T	Dibenzofuran	0.989	0.926#	6.4	125	0.02
55	T	2,4-Dinitrotoluene	0.346	0.379#	-9.5	135	0.02
56	T	2,3,4,6-Tetrachlorophenol	0.191	0.250#	-30.9#	159#	0.02
57	T	2,3,5,6-Tetrachlorophenol	0.203	0.225#	-10.8	142	0.01
58	T	Diethylphthalate	1.075	1.095#	-1.9	124	-0.01
59	T	Fluorene	0.710	0.721#	-1.5	132	-0.02
60	T	4-Chlorophenylphenylether	0.463	0.456#	1.5	134	0.00
61	T	4-Nitroaniline	0.222	0.205#	7.7	120	0.00
62	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	131	0.01
63	T	4,6-Dinitro-2-methylphenol	0.101	0.130#	-28.7#	150	0.00
64	T	n-Nitrosodiphenylamine	0.379	0.416#	-9.8	134	0.02
65	S	2,4,6 - Tribromophenol (S)	0.118	0.000#	100.0#	0#	-10.35#
66	T	1,2-Diphenylhydrazine	0.191	0.182#	4.7	113	0.01
67	T	4-Bromophenylphenylether	0.195	0.199#	-2.1	146	0.00
68	T	Hexachlorobenzene	0.192	0.209#	-8.9	136	0.02
69	TC	Pentachlorophenol	0.116	0.108#	6.9	125	0.00
70	T	Phenanthrene	0.764	0.741#	3.0	119	0.02
71	T	Anthracene	0.707	0.749#	-5.9	141	0.00
72	T	Octadecane	0.434	0.399#	8.1	130	0.00
73	T	Carbazole	0.681	0.734#	-7.8	142	0.00
74	T	Di-n-butylphthalate	1.298	1.281#	1.3	114	0.00
75	TC	Fluoranthene	0.826	0.872#	-5.6	131	-0.02
76	T	Pyrene	0.834	0.868#	-4.1	130	-0.02
77	T	Benzidine	0.751	0.345#	54.1#	60	-0.03
78	S	p - Terphenyl - d14 (S)	0.713	0.002#	99.7#	0#	-0.04
79	I	Chrysene - d12 (I)	1.000	1.000	0.0	136	0.02
80	T	Butylbenzylphthalate	0.518	0.565#	-9.1	213#	0.02
81	T	Benzo(a)anthracene	0.731	0.727#	0.5	126	0.03
82	T	3,3'-Dichlorobenzidine	0.508	1.138#	-124.0#	285#	0.04
83	T	Chrysene	0.635	0.612#	3.6	123	0.02
84	T	bis(2-Ethylhexyl)phthalate	0.912	0.934#	-2.4	128	0.02
85	I	Perylene - d12 (I)	1.000	1.000	0.0	130	0.02
86	TC	Di-n-octylphthalate	1.327	1.271#	4.2	126	-0.06
87	T	Benzofluoranthenes	0.753	0.755#	-0.3	129	0.00
88	TC	Benzo(a)pyrene	0.697	0.714#	-2.4	133	0.01
89	T	Indeno(1,2,3-cd)pyrene	0.971	0.976#	-0.5	132	0.02
90	T	Dibenz(a,h)anthracene	0.800	0.852#	-6.5	138	0.02
91	T	Benzo(g,h,i)perylene	0.788	0.833#	-5.7	131	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Response Factor Report

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:24:33 2004
Response via : Initial Calibration

Calibration Files
50 =P53978.D 2000 =P53984.D 1500 =P53983.D
1000 =P53982.D 500 =P53981.D 200 =P53980.D

		Compound	50	2000	1500	1000	500	200	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	----------	----------	ISTD	----------	----------	----------	
2)	T	N-Nitrosodimeth	0.436	0.640	0.562	0.435	0.490	0.376	0.511#	20.57
3)	T	Pyridine		1.284	1.347	1.260	1.190	0.498	1.133#	27.86
4)	S	2 - Fluorophenol		0.874	0.975	0.876	0.931	0.738	0.880#	8.31
5)	T	Cyclohexanone		0.274	0.269	0.234	0.261	0.271	0.267#	6.10
6)	T	Aniline		1.198	1.248	1.108	1.113	0.746	1.047#	21.44
7)	S	Phenol - d5 (S)		1.127	1.130	1.093	1.050	0.925	1.060#	7.68
8)	TC	Phenol	1.027	1.288	1.273	1.220	1.198	1.115	1.205#	9.82
9)	T	bis(2-Chloroeth		0.392	0.362	0.336	0.390	0.357	0.371#	6.24
10)	T	2-Chlorophenol	0.945	0.991	1.073	1.019	1.060	0.982	1.006#	5.54
11)	T	Decane	0.446	0.503	0.536	0.526	0.567	0.443	0.514#	9.13
12)	T	1,3-Dichloroben	1.018	1.074	1.079	1.094	1.138	0.947	1.067#	5.51
13)	TC	1,4-Dichloroben	1.157	1.050	1.261	1.127	1.233	1.100	1.157#	7.32
14)	T	Benzyl alcohol	0.900	0.957	1.015	1.013	1.048	0.930	0.968#	7.53
15)	T	1,2-Dichloroben	0.994	1.037	1.105	1.096	1.102	0.949	1.060#	5.69
16)	T	2-Methylphenol	0.653	0.749	0.808	0.692	0.752	0.633	0.730#	9.05
17)	T	bis(2-chloroiso		0.192	0.198	0.188	0.154	0.158	0.177#	10.37
18)	T	3-&4-Methylphen	0.698	0.988	0.999	0.869	0.804	0.695	0.864#	16.85
19)	TP	n-Nitroso-di-n-	0.748	0.740	0.798	0.852	0.868	0.740	0.781	6.83
20)	T	Hexachloroethan	0.185	0.166	0.206	0.205	0.217	0.194	0.200#	5.82
21)	I	Naphthalene - d8 (I)	----------	----------	----------	ISTD	----------	----------	----------	
22)	S	Nitrobenzene -	0.331	0.305	0.291	0.286	0.321	0.324	0.312#	5.28
23)	T	Nitrobenzene	0.316	0.313	0.296	0.282	0.300	0.297	0.302#	4.04
24)	T	Isophorone	0.515	0.561	0.501	0.519	0.559	0.538	0.544#	5.62
25)	TC	2-Nitrophenol	0.153	0.183	0.160	0.171	0.168	0.164	0.169#	7.26
26)	T	2,4-Dimethylphe	0.272	0.306	0.296	0.289	0.313	0.292	0.294#	5.17
27)	T	bis(2-Chloroeth		0.336	0.306	0.320	0.317	0.282	0.312#	9.72
28)	T	Benzoic Acid		0.301	0.237	0.242	0.204	0.133	0.220#	35.57
29)	TC	2,4-Dichlorophe	0.194	0.246	0.203	0.218	0.213	0.210	0.220#	10.61
30)	T	1,2,4-Trichloro	0.238	0.250	0.234	0.236	0.240	0.230	0.239#	2.80
31)	T	Naphthalene	0.804	0.737	0.726	0.750	0.804	0.804	0.759#	5.60
32)	T	4-Chloroaniline		0.361	0.280	0.291	0.276	0.217	0.283#	21.05
33)	TC	Hexachlorobutad	0.217	0.194	0.193	0.206	0.198	0.198	0.199#	4.44
34)	TC	4-Chloro-3-meth	0.314	0.357	0.265	0.321	0.294	0.278	0.304#	12.09
35)	T	2-Methylnaphtha	0.519	0.513	0.464	0.469	0.489	0.463	0.486#	5.53
36)	T	1-Methylnaphtha	0.467	0.493	0.438	0.456	0.498	0.459	0.466#	8.19
37)	I	Acenaphthene - d10 (I	----------	----------	----------	ISTD	----------	----------	----------	
38)	TP	Hexachlorocyclo	0.491	0.410	0.466	0.395	0.439	0.398	0.437	8.61
39)	T	2,3-Dichloroani	0.442	0.699	0.614	0.509	0.513	0.457	0.539#	20.38
40)	TC	2,4,6-Trichloro	0.289	0.277	0.287	0.267	0.282	0.256	0.273#	5.85
41)	T	2,4,5-Trichloro	0.243	0.300	0.291	0.277	0.283	0.270	0.277#	7.24
42)	S	2 - Fluorobiphe	0.838	0.876	0.823	0.788	0.743	0.796	0.798#	6.47
43)	T	2-Chloronaphtha	0.872	0.936	0.881	0.806	0.808	0.794	0.833#	6.06
44)	T	Biphenyl	0.908	0.979	1.052	0.863	0.843	0.863	0.908#	11.14
45)	T	2-Nitroaniline	0.316	0.368	0.329	0.320	0.305	0.320	0.323#	8.51
46)	T	Dimethylphthala	1.051	1.238	1.071	1.200	1.151	1.095	1.126#	5.82
47)	T	Acenaphthylene	1.182	1.339	1.271	1.197	1.109	1.112	1.179#	6.97
48)	T	2,6-Dinitrotolu	0.215	0.276	0.268	0.255	0.260	0.265	0.258#	7.21
49)	T	3-Nitroaniline	0.206	0.319	0.265	0.288	0.245	0.238	0.261#	14.31
50)	TC	Acenaphthene	0.812	0.850	0.867	0.745	0.740	0.757	0.783#	6.35
51)	TP	2,4-Dinitrophen		0.200	0.180	0.178	0.161	0.115	0.161	21.17
52)	TP	4-Nitrophenol		0.112	0.094	0.096	0.083	0.052	0.084	25.90
53)	T	Dibenzofuran	0.976	1.161	1.097	1.059	1.019	1.091	1.067#	5.72

(#) = Out of Range ### Number of calibration levels exceeded format ###

Response Factor Report

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:24:33 2004
Response via : Initial Calibration

Calibration Files
50 =P53978.D 2000 =P53984.D 1500 =P53983.D
1000 =P53982.D 500 =P53981.D 200 =P53980.D

		Compound	50	2000	1500	1000	500	200	Avg	%RSD
54)	T	2,4-Dinitrotolu		0.431	0.391	0.430	0.408	0.408	0.411#	4.11
55)	T	2,3,4,6-Tetrach	0.243	0.324	0.338	0.339	0.318	0.319	0.310#	12.26
56)	T	2,3,5,6-Tetrach		0.346	0.303	0.314	0.304	0.308	0.309#	7.70
57)	T	Diethylphthalat		0.911	0.884	0.949	1.066	1.031	0.937#	10.60
58)	T	Fluorene	0.638	0.885	0.807	0.786	0.710	0.733	0.745#	12.90
59)	T	4-Chlorophenylp		0.718	0.683	0.663	0.670	0.690	0.672#	4.68
60)	T	4-Nitroaniline		0.321	0.253	0.259	0.223	0.191	0.251#	21.83
61)	I	Phenanthrene - d10 (I	----------	----------	----------	ISTD	----------	----------	----------	
62)	T	4,6-Dinitro-2-m	0.159	0.239	0.240	0.213	0.197	0.164	0.195#	20.06
63)	T	n-Nitrosodiphen	0.372	0.697	0.587	0.496	0.475	0.373	0.489#	32.92
64)	S	2,4,6 - Tribrom	0.241	0.180	0.184	0.172	0.182	0.166	0.184#	13.09
65)	T	1,2-Diphenylhyd		0.289	0.134	0.250	0.255	0.246	0.244#	21.48
66)	T	4-Bromophenylph		0.293	0.329	0.276	0.306	0.310	0.300#	5.74
67)	T	Hexachlorobenze	0.242	0.244	0.268	0.234	0.260	0.252	0.244#	6.03
68)	TC	Pentachlorophen		0.183	0.199	0.176	0.179	0.156	0.176#	8.86
69)	T	Phenanthrene	0.678	0.778	0.832	0.783	0.758	0.750	0.752#	5.88
70)	T	Anthracene	0.655	0.828	0.787	0.742	0.742	0.670	0.710#	12.47
71)	T	Octadecane	0.192	0.230	0.259	0.245	0.242	0.237	0.239#	9.55
72)	T	Carbazole		0.700	0.723	0.682	0.695	0.602	0.675#	6.15
73)	T	Di-n-butylphtha		0.846	1.009	0.979	1.173	1.099	1.012#	16.29
74)	TC	Fluoranthene	0.852	0.887	0.993	0.923	0.930	0.840	0.882#	6.65
75)	T	Pyrene	0.773	0.963	0.946	0.852	0.924	0.808	0.849#	7.16
76)	T	Benzidine	0.433	0.651	0.732	0.614	0.551	0.403	0.528#	26.91
77)	S	p - Terphenyl -	0.744	0.811	0.887	0.811	0.812	0.686	0.781#	8.56
78)	I	Chrysene - d12 (I)	----------	----------	----------	ISTD	----------	----------	----------	
79)	T	Butylbenzylphth		0.365	0.448	0.442	0.489	0.497	0.442#	15.49
80)	T	Benzo(a)anthrac	0.679	0.717	0.758	0.714	0.700	0.694	0.708#	3.67
81)	T	3,3'-Dichlorobe		0.488	0.556	0.556	0.560	0.501	0.532#	6.00
82)	T	Chrysene	0.644	0.613	0.649	0.623	0.663	0.618	0.606#	13.89
83)	T	bis(2-Ethylhexy		0.651	0.754	0.729	0.815	0.963	0.754#	16.58
84)	I	Perylene - d12 (I)	----------	----------	----------	ISTD	----------	----------	----------	
85)	TC	Di-n-octylphtha		1.111	1.214	1.238	1.363	1.354	1.229#	9.28
86)	T	Benzofluoranthe	0.700	0.762	0.799	0.778	0.769	0.700	0.730#	9.33
87)	TC	Benzo(a)pyrene	0.649	0.727	0.722	0.704	0.697	0.644	0.674#	7.77
88)	T	Indeno(1,2,3-cd	0.778	0.966	0.981	0.925	0.913	0.928	0.881#	9.52
89)	T	Dibenz(a,h)anth	0.674	0.774	0.791	0.765	0.745	0.764	0.741#	6.45
90)	T	Benzo(g,h,i)per	0.657	0.736	0.771	0.744	0.737	0.764	0.719#	8.06

#) = Out of Range ### Number of calibration levels exceeded format ###

45445

00702

Data File : V:\DATA\111604\P53977.D Vial: 0
Acq On : 16 Nov 2004 13:06 Operator: CLZ
Sample : 20 UG/L 8270 ICAL STD NO 1281-1-1 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:16:27 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:16:23 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.47	152	104207	1000.00 ug/L	0.05
21) Naphthalene - d8 (I)	8.02	136	373724	1000.00 ug/L	0.02
37) Acenaphthene - d10 (I)	10.06	162	219010	1000.00 ug/L	0.02
61) Phenanthrene - d10 (I)	11.70	188	344006	1000.00 ug/L	0.02
78) Chrysene - d12 (I)	15.10	240	362906	1000.00 ul/l	0.02
84) Perylene - d12 (I)	18.54	264	450620	1000.00 ug/L	0.04
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.84	112	2165	20.96 ug/L	0.00
7) Phenol - d5 (S)	6.06	99	2113	17.28 ug/L	0.04
22) Nitrobenzene - d5 (S)	7.19	82	2368	16.99 ug/L	0.02
42) 2 - Fluorobiphenyl (S)	9.28	172	3093	15.16 ug/L	0.03
64) 2,4,6 - Tribromophenol (S)	10.95	330	934	13.22 ug/L	0.02
77) p - Terphenyl - d14 (S)	13.49	244	4704	15.05 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	3.08	74	108	N.D.	
3) Pyridine	3.18	79	3309+	23.62 ug/L	93
5) Cyclohexanone	5.16	55	974	31.25 ug/L #	1
6) Aniline	6.10	93	190	N.D.	
8) Phenol	6.08	94	2230	15.94 ug/L	61
9) bis(2-Chloroethyl)ether	6.19	63	683	15.29 ug/L	100
10) 2-Chlorophenol	6.24	128	2139	17.95 ug/L	60
11) Decane	6.26	57	1160	17.90 ug/L #	1
12) 1,3-Dichlorobenzene	6.42	146	2501	18.67 ug/L #	1
13) 1,4-Dichlorobenzene	6.48	146	2669	19.87 ug/L #	22
14) Benzyl alcohol	6.83	79	3681	30.95 ug/L	99
15) 1,2-Dichlorobenzene	6.72	146	2065	15.97 ug/L #	1
16) 2-Methylphenol	6.83	108	1724	19.86 ug/L	94
17) bis(2-chloroisopropyl)ethe	6.85	121	412	18.35 ug/L	100
18) 3-&4-Methylphenol	7.00	108	3096	31.92 ug/L	71
19) n-Nitroso-di-n-propylamine	7.04	70	2805	29.95 ug/L	68
20) Hexachloroethane	7.09	166	648	26.94 ug/L	78
23) Nitrobenzene	7.22	77	2045	14.43 ug/L	87
24) Isophorone	7.50	82	3679	14.75 ug/L	74
25) 2-Nitrophenol	7.61	139	1534	19.74 ug/L	97
26) 2,4-Dimethylphenol	7.64	107	2063	15.93 ug/L	97
27) bis(2-Chloroethoxy)methane	7.75	93	1918	11.98 ug/L	79
28) Benzoic Acid	7.68	105	3832	39.83 ug/L	100
29) 2,4-Dichlorophenol	7.87	162	1682	15.54 ug/L	71
30) 1,2,4-Trichlorobenzene	7.97	180	1506	13.04 ug/L	63
31) Naphthalene	8.05	128	5065	15.20 ug/L	1
32) 4-Chloroaniline	8.15	127	1149	8.81 ug/L #	62
33) Hexachlorobutadiene	8.25	225	1617	15.95 ug/L	82
34) 4-Chloro-3-methylphenol	8.68	107	2072	13.80 ug/L	65
35) 2-Methylnaphthalene	8.85	141	3660	16.80 ug/L	100
36) 1-Methylnaphthalene	8.98	141	3046	13.55 ul/l	90
38) Hexachlorocyclopentadiene	9.10	237	2036	19.31 ug/L	61
39) 2,6-Dichloroaniline	9.22	161	1834	12.96 ug/L	93
40) 2,4,6-Trichlorophenol	9.20	196	1058	14.20 ug/L	92
41) 2,4,5-Trichlorophenol	9.24	196	996	14.27 ug/L	86
43) 2-Chloronaphthalene	9.41	162	3466	16.71 ug/L	65
44) Biphenyl	9.38	154	3123	14.38 ug/L	12
45) 2-Nitroaniline	9.56	138	1341	15.94 ug/L	61

(#) = qualifier out of range (m) = manual integration
P53977.D 111604.M Wed Nov 17 12:25:29 2004 Page 1

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00703

Data File : V:\DATA\111604\P53977.D Vial: 9
Acq On : 16 Nov 2004 13:06 Operator: CLZ
Sample : 20 UG/L 8270 ICAL STD NC 1281-1-1 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:16:27 2004 Quant Results File: 111604.RES

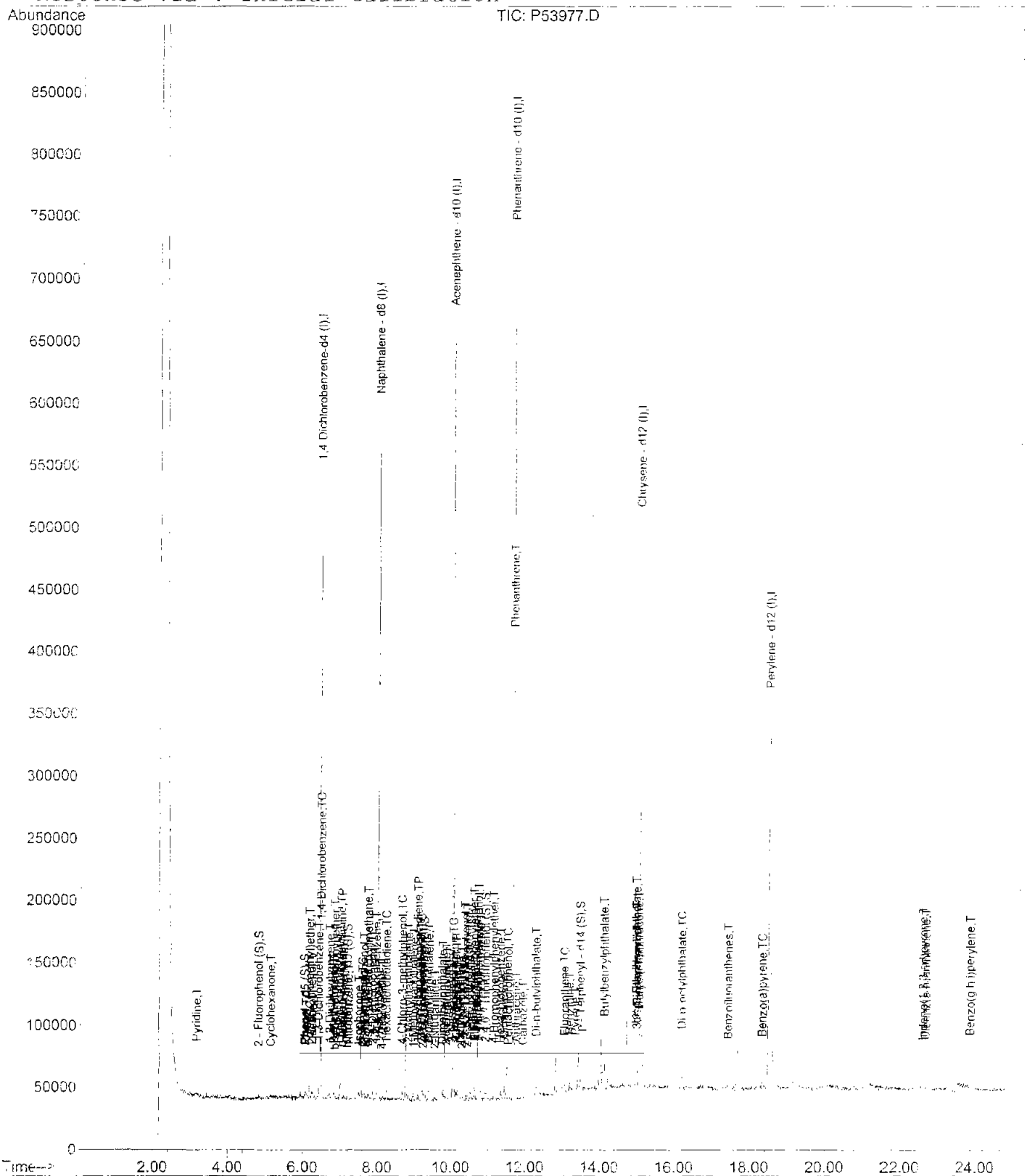
Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:16:23 2004
Response via : Initial Calibration
DataAcq Meth :

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46) Dimethylphthalate	9.77	163	4759	17.08	ug/L		85
47) Acenaphthylene	9.89	152	4875	16.96	ug/L		63
48) 2,6-Dinitrotoluene	9.87	165	1512	21.90	ug/L		78
49) 3-Nitroaniline	10.03	138	1385	20.65	ug/L	#	1
50) Acenaphthene	10.09	153	3389	17.70	ug/L		100
51) 2,4-Dinitrophenol	10.14	184	1981	49.06	ug/L		52
52) 4-Nitrophenol	10.17	65	974	42.57	ug/L	#	63
53) Dibenzofuran	10.27	168	4348	15.68	ug/L		88
54) 2,4-Dinitrotoluene	10.30	165	1024	9.33	ug/L	#	1
55) 2,3,4,6-Tetrachlorophenol	10.40	232	1212	14.79	ug/L		69
56) 2,3,5,6-Tetrachlorophenol	10.45	232	990	11.89	ug/L		64
57) Diethylphthalate	10.54	149	5009	21.11	ug/L		93
58) Fluorene	10.65	166	2567	13.20	ug/L		69
59) 4-Chlorophenylphenylether	10.63	204	2570	14.38	ug/L		94
60) 4-Nitroaniline	10.71	138	992	14.10	ug/L		80
62) 4,6-Dinitro-2-methylphenol	10.75	198	4499	57.23	ug/L		86
63) n-Nitrosodiphenylamine	10.77	169	2064	10.31	ug/L	#	1
65) 1,2-Diphenylhydrazine	10.81	182	1486	11.99	ug/L	#	6
66) 4-Bromophenylphenylether	11.17	248	1940	14.98	ug/L	#	72
67) Hexachlorobenzene	11.35	284	1522	14.41	ug/L	#	46
68) Pentachlorophenol	11.55	266	854	12.02	ug/L	#	43
69) Phenanthrene	11.72	178	4927	15.99	ug/L		55
70) Anthracene	11.77	178	3589	12.47	ug/L		83
71) Octadecane	11.44	57	2624	25.33	ug/L	#	72
72) Carbazole	11.95	167	3516	13.51	ug/L		43
73) Di-n-butylphthalate	12.31	149	8303	20.83	ug/L		74
74) Fluoranthene	13.07	202	5520	16.23	ug/L		71
75) Pyrene	13.35	202	5589	16.80	ug/L		87
76) Benzidine	13.21	184	9553	52.34	ug/L		100
79) Butylbenzylphthalate	14.13	149	3688	19.32	ug/L		99
80) Benzo(a)anthracene	13.06	228	5235	17.69	ug/L		65
81) 3,3'-Dichlorobenzidine	15.01	252	2898+	13.07	ug/L		79
82) Chrysene	15.06	228	2802	10.94	ug/L		45
83) bis(2-Ethylhexyl)phthalate	15.00	149	7133	21.46	ug/L		99
85) Di-n-octylphthalate	16.21	149	12233	18.36	ug/L		86
86) Benzofluoranthenes	17.45	252	10424	26.15	ug/L		1
87) Benzo(a)pyrene	18.36	252	5167	14.84	ug/L		100
88) Indeno(1,2,3-cd)pyrene	22.61	276	6455	13.68	ug/L		100
89) Dibenz(a,h)anthracene	22.67	278	6164	16.30	ug/L		100
90) Benzo(g,h,i)perylene	23.87	276	5465m	14.64	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

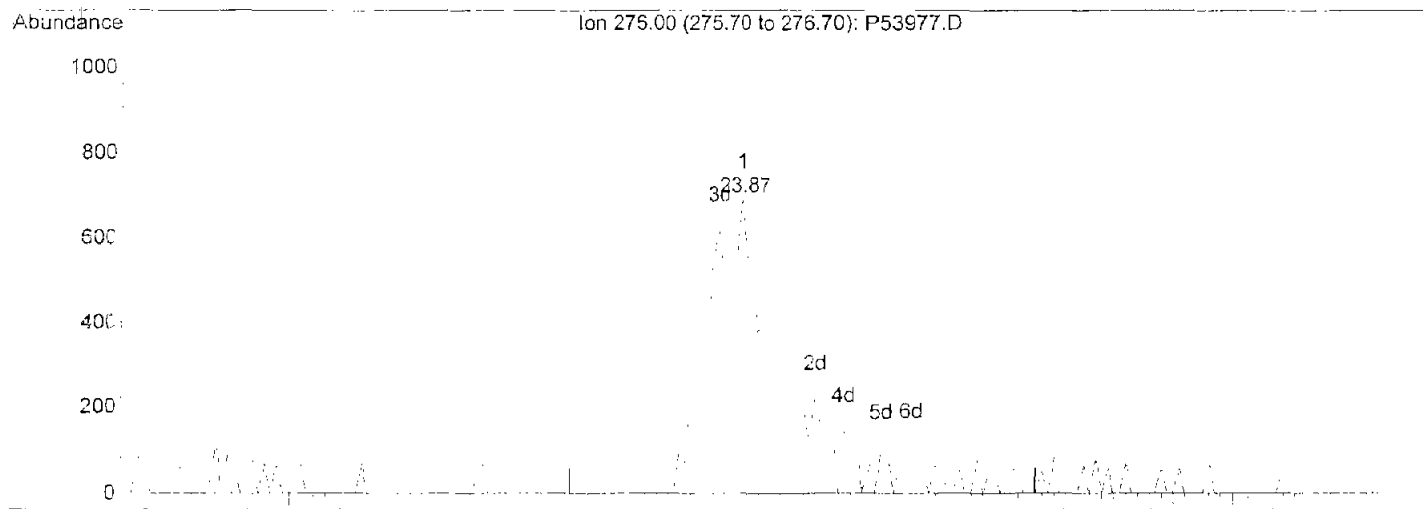
Data File : V:\DATA\111604\P53977.D Vial: 0
Acq On : 16 Nov 2004 13:06 Operator: CLZ
Sample : 20 UG/L 8270 ICAL STD NO 1281-1-1 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:16 2004 Quant Results File: 111604.RES

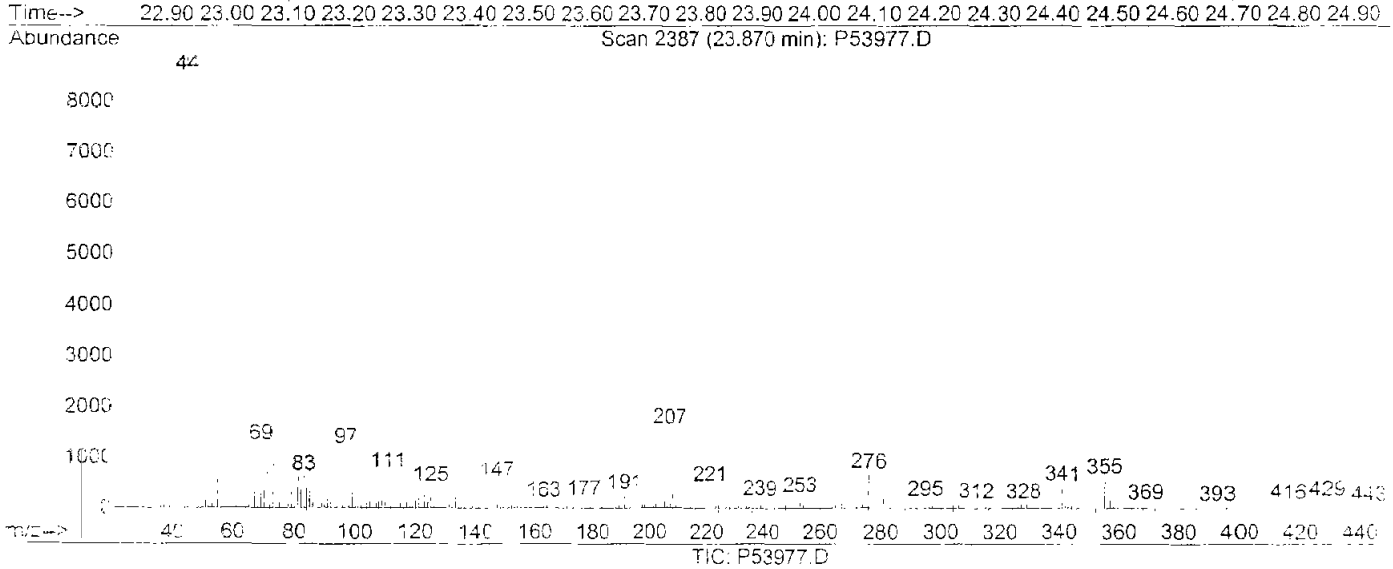
Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration



Data File : V:\DATA\111604\P53977.D Vial: 0
Acq On : 16 Nov 2004 13:06 Operator: CLZ
Sample : 20 UG/L 8270 ICAL STD NO 1281-1-1 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:16 2004 Quant Results File: temp.res

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:16:23 2004
Response via : Multiple Level Calibration





(90) Benzo(g,h,i)perylene (T)

23.87min 9.04ug/L

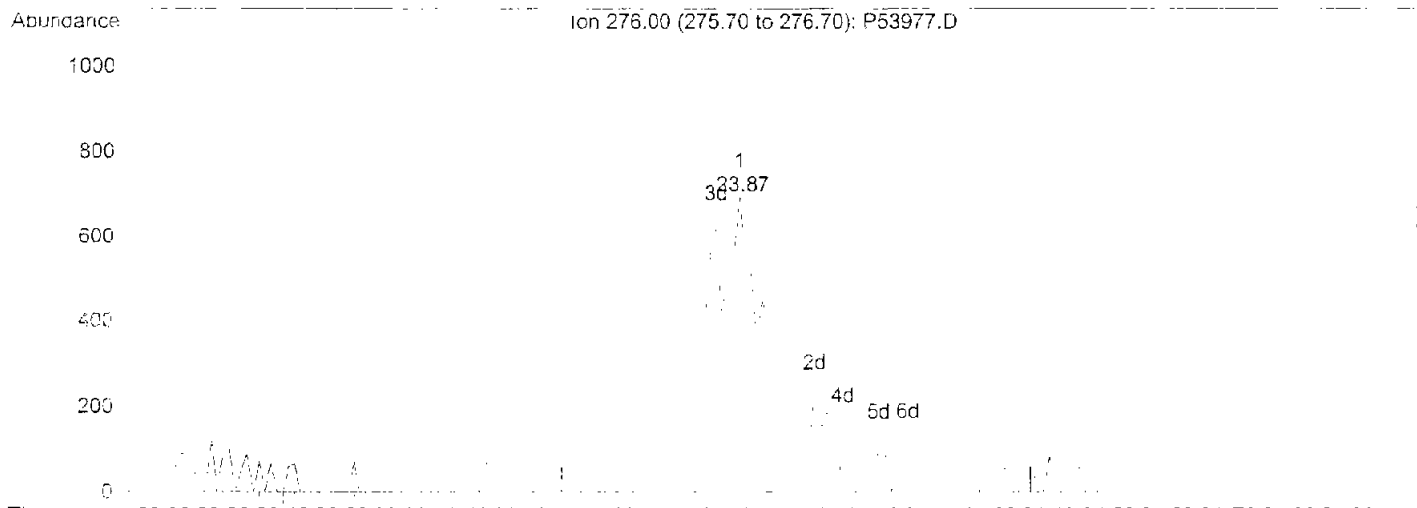
response 3374

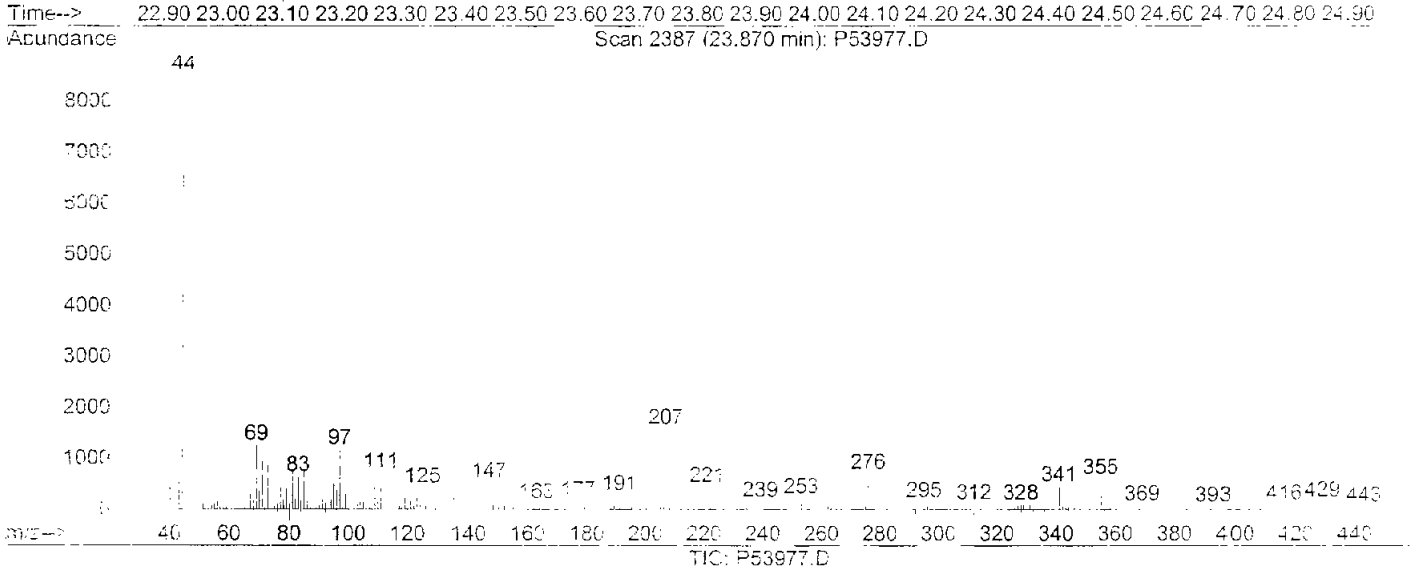
ion	Exp%	Act%
276.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

11/17/04

Data File : V:\DATA\111604\P53977.D Vial: 0
Acq On : 16 Nov 2004 13:06 Operator: CLZ
Sample : 20 UG/L 8270 ICAL STD NO 1281-1-1 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:16 2004 Quant Results File: temp.rcs

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:16:23 2004
Response via : Multiple Level Calibration





(90) Benzo(g,h,i)perylene (T)

23.87min 14.64ug/L m

response 5465

Ion	Exp%	Act%
276.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

11/17/04

Data File : V:\DATA\111604\P53978.D Vial: 0
Acq On : 16 Nov 2004 14:04 Operator: CLZ
Sample : 50 UG/L 8270 ICAL STD NO 1281-1-2 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:18:25 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:18:16 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.46	152	117538	1000.00	ug/L	0.04
21) Naphthalene - d8 (I)	8.02	136	384171	1000.00	ug/L	0.02
37) Acenaphthene - d10 (I)	10.05	162	216161	1000.00	ug/L	0.01
61) Phenanthrene - d10 (I)	11.69	188	315062	1000.00	ug/L	0.00
78) Chrysene - d12 (I)	15.09	240	402306	1000.00	ul/l	0.01
84) Perylene - d12 (I)	18.53	264	442590	1000.00	ug/L	0.03
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.85	112	5074	43.55	ug/L	0.02
7) Phenol - d5 (S)	6.06	99	5718	41.45	ug/L	0.04
22) Nitrobenzene - d5 (S)	7.19	82	6352	45.36	ug/L	0.02
42) 2 - Fluorobiphenyl (S)	9.27	172	9056	46.06	ug/L	0.02
64) 2,4,6 - Tribromophenol (S)	10.95	330	3792	58.58	ug/L	0.03
77) p - Terphenyl - d14 (S)	13.48	244	11721	42.46	ug/L	0.00

Target Compounds							Qvalue
2) N-Nitrosodimethylamine	3.15	74	12816	169.84	ug/L		100
3) Pyridine	2.87	79	13754	8.70	ug/L		71
5) Cyclohexanone	5.16	55	2443	69.49	ug/L	#	55
6) Aniline	6.12	93	2950	21.70	ug/L		100
8) Phenol	6.07	94	6033	38.22	ug/L		83
9) bis(2-Chloroethyl)ether	6.18	63	2282	45.29	ug/L		100
10) 2-Chlorophenol	6.24	128	5556	41.33	ug/L		57
11) Decane	6.26	57	2623	35.88	ug/L	#	1
12) 1,3-Dichlorobenzene	6.41	146	5985	39.61	ug/L		58
13) 1,4-Dichlorobenzene	6.48	146	6801	44.89	ug/L		51
14) Benzyl alcohol	6.67	79	5289	39.43	ug/L		89
15) 1,2-Dichlorobenzene	6.72	146	5839	40.05	ug/L		67
16) 2-Methylphenol	6.82	108	3836	39.18	ug/L		86
17) bis(2-chloroisopropyl)ethe	6.86	121	1254	49.52	ug/L		100
18) 3-&4-Methylphenol	7.00	108	8210	75.04	ug/L		89
19) n-Nitroso-di-n-propylamine	7.03	70	4396	41.61	ug/L		85
20) Hexachloroethane	7.09	166	1086	40.02	ug/L	#	46
23) Nitrobenzene	7.21	77	6116	41.97	ug/L		37
24) Isophorone	7.49	82	9896	38.59	ug/L		79
25) 2-Nitrophenol	7.60	139	2939	36.79	ug/L		54
26) 2,4-Dimethylphenol	7.63	107	5223	39.86	ug/L		95
27) bis(2-Chloroethoxy)methane	7.75	93	5583	53.92	ug/L		92
28) Benzoic Acid	7.68	105	9415	95.20	ug/L		100
29) 2,4-Dichlorophenol	7.86	162	3728	33.52	ug/L		69
30) 1,2,4-Trichlorobenzene	7.97	180	4569	38.48	ug/L		88
31) Naphthalene	8.04	128	15447	45.96	ug/L		71
32) 4-Chloroaniline	8.14	127	3420	25.51	ug/L		93
33) Hexachlorobutadiene	8.24	225	4176	40.06	ug/L		89
34) 4-Chloro-3-methylphenol	8.67	107	6038	39.12	ug/L		93
35) 2-Methylnaphthalene	8.84	141	9968	45.12	ug/L		100
36) 1-Methylnaphthalene	8.97	141	8978	40.22	ul/l		90
38) Hexachlorocyclopentadiene	9.09	237	5197	49.95	ug/L		75
39) 2,3-Dichloroaniline	9.21	161	4778	34.97	ug/L	#	1
40) 2,4,6-Trichlorophenol	9.19	196	3128	42.53	ug/L		81
41) 2,4,5-Trichlorophenol	9.23	196	2627	38.14	ug/L		95
43) 2-Chloronaphthalene	9.40	162	8879	43.88	ug/L		72
44) Biphenyl	9.37	154	9819	46.79	ug/L		92
45) 2-Nitroaniline	9.55	138	3411	41.08	ug/L		81

(#) = qualifier out of range (m) = manual integration
P53978.D 111604.M Wed Nov 17 12:25:36 2004

Data File : V:\DATA\111604\P53978.D Vial: 0
Acq On : 16 Nov 2004 14:04 Operator: CLZ
Sample : 50 UG/L 8270 ICAL STD NO 1281-1-2 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:18:25 2004 Quant Results File: 111604.RES

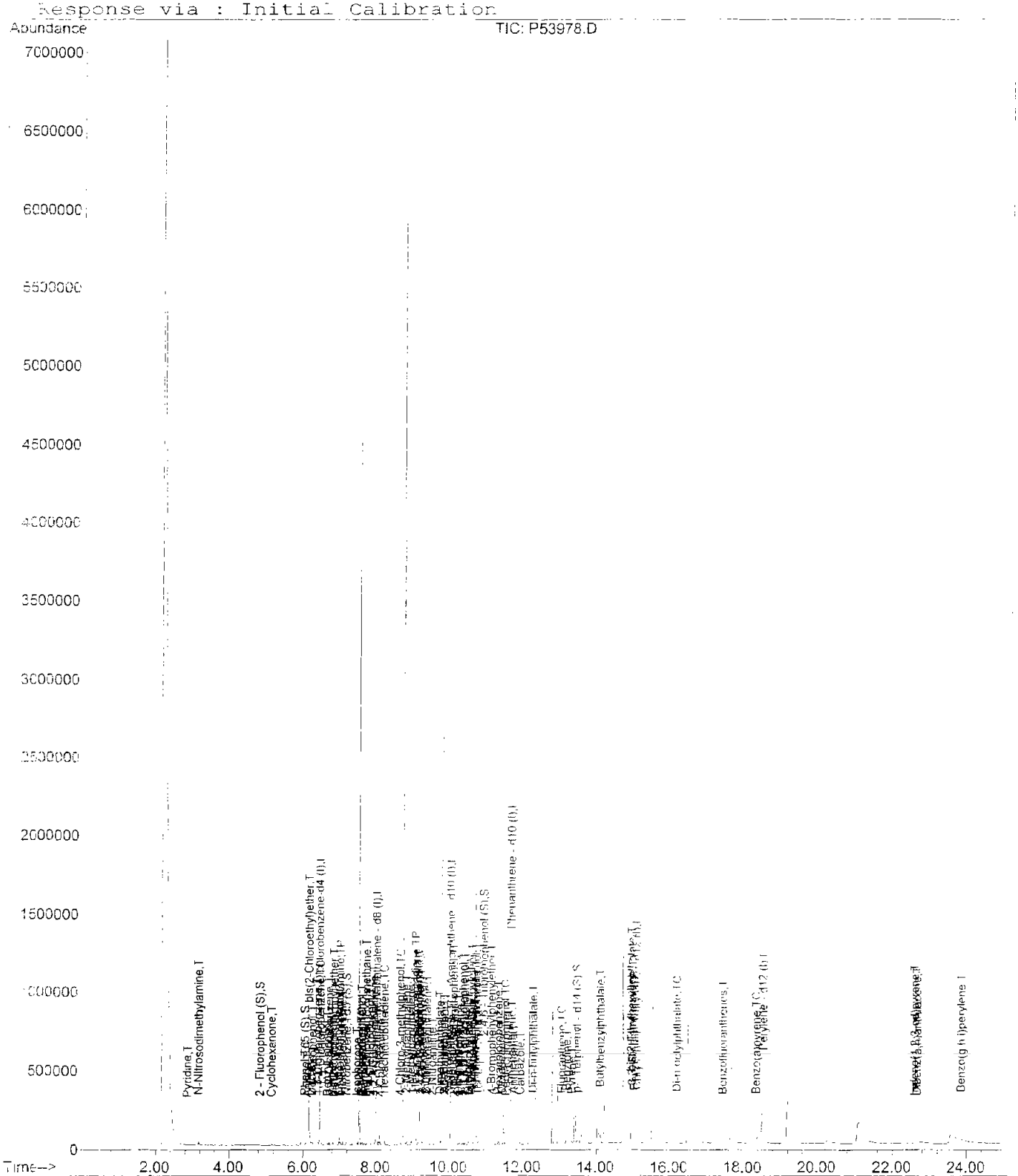
Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:18:16 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dimethylphthalate	9.76	163	11363	41.31	ug/L		97
47)	Acenaphthylene	9.88	152	12787	45.19	ug/L		94
48)	2,6-Dinitrotoluene	9.86	165	2328	34.16	ug/L		70
49)	3-Nitroaniline	10.02	138	2224	33.59	ug/L		89
50)	Acenaphthene	10.08	153	8778	46.60	ug/L		100
51)	2,4-Dinitrophenol	10.13	184	5698	142.97	ug/L		78
52)	4-Nitrophenol	10.24	65	338	14.97	ug/L	#	1
53)	Dibenzofuran	10.26	168	10550	38.54	ug/L		92
54)	2,4-Dinitrotoluene	10.29	165	3535	32.62	ug/L		32
55)	2,3,4,6-Tetrachlorophenol	10.39	232	2628	32.91	ug/L		77
56)	2,3,5,6-Tetrachlorophenol	10.44	232	2810	34.19	ul/l		89
57)	Diethylphthalate	10.53	149	10555	45.07	ug/L		95
58)	Fluorene	10.64	166	6895	37.23	ug/L		75
59)	4-Chlorophenylphenylether	10.62	204	7285	41.30	ug/L		94
60)	4-Nitroaniline	10.70	138	2087	30.18	ug/L		93
62)	4,6-Dinitro-2-methylphenol	10.74	198	12545	180.04	ug/L		87
63)	n-Nitrosodiphenylamine	10.76	169	5860	32.73	ug/L	#	1
65)	1,2-Diphenylhydrazine	10.80	182	4224	37.21	ug/L	#	34
66)	4-Bromophenylphenylether	11.16	248	4396	37.08	ug/L	#	72
67)	Hexachlorobenzene	11.35	284	3817	41.02	ug/L		73
68)	Pentachlorophenol	11.54	266	2076	31.91	ug/L		88
69)	Phenanthrene	11.71	178	10634	38.45	ug/L		82
70)	Anthracene	11.76	178	10315	40.43	ug/L		95
71)	Octadecane	11.43	57	3023	31.87	ug/L	#	63
72)	Carbazole	11.94	167	9483	39.78	ug/L		78
73)	Di-n-butylphthalate	12.30	149	17794	48.75	ug/L		76
74)	Fluoranthene	13.06	202	13422	44.08	ug/L		98
75)	Pyrene	13.34	202	12176	40.64	ug/L		87
76)	Benzidine	13.19	184	34102	207.89	ug/l		100
79)	Butylbenzylphthalate	14.12	149	10411	49.20	ug/L		73
80)	Benzo(a)anthracene	15.05	228	13266	41.04	ug/L		89
81)	3,3'-Dichlorobenzidine	15.00	252	8279+	33.68	ug/L		74
82)	Chrysene	15.13	228	12952	47.64	ug/L		94
83)	bis(2-Ethylhexyl)phthalate	14.98	149	21941	59.53	ug/L		79
85)	Di-n-octylphthalate	16.20	149	31726	48.48	ug/L		90
86)	Benzofluoranthenes	17.45	252	30981	82.27	ug/L		74
87)	Benzo(a)pyrene	18.34	252	14352	42.17	ug/L		100
88)	Indeno(1,2,3-cd)pyrene	22.60	276	17216	37.39	ug/L		100
89)	Dibenz(a,h)anthracene	22.67	278	14910	39.07	ug/L		100
90)	Benzo(g,h,i)perylene	23.85	276	14529	39.13	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : V:\DATA\111604\P53978.D Vial: 0
Acq On : 16 Nov 2004 14:04 Operator: CLZ
Sample : 50 UG/L 8270 ICAL STD NC 1281-1-2 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:18 2004 Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration



Data File : V:\DATA\111604\P53979.D Vial: 0
Acq On : 16 Nov 2004 14:35 Operator: CLZ
Sample : 100 UG/L 8270 ICAL STD NO 1281-1-3 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:19:27 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:19:22 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.42	152	90073	1000.00 ug/L	0.00
21) Naphthalene - d8 (I)	7.99	136	317984	1000.00 ug/L	-0.01
37) Acenaphthene - d10 (I)	10.04	162	181073	1000.00 ug/L	0.00
61) Phenanthrene - d10 (I)	11.68	188	254272	1000.00 ug/L	0.00
78) Chrysene - d12 (I)	15.07	240	339165	1000.00 ul/l	-0.01
84) Perylene - d12 (I)	18.49	264	404681	1000.00 ug/L	-0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.78	112	7902	88.50 ug/L	-0.03
7) Phenol - d5 (S)	6.02	99	8768	82.95 ug/L	0.00
22) Nitrobenzene - d5 (S)	7.16	82	10516	93.16 ug/L	-0.01
42) 2 - Fluorobiphenyl (S)	9.25	172	14104	86.73 ug/L	0.00
64) 2,4,6 - Tribromophenol (S)	10.93	330	4515	84.18 ug/L	0.00
77) p - Terphenyl - d14 (S)	13.47	244	19798	90.18 ug/L	-0.02
Target Compounds					Qvalue
2 N-Nitrosodimethylamine	3.08	74	21379	376.96 ug/L	100
3 Pyridine	2.93	79	2177+	17.98 ug/L	92
5 Cyclohexanone	5.10	55	2588	96.05 ug/L	93
6 Aniline	6.08	93	6386	61.30 ug/L	100
8 Phenol	6.03	94	10081	86.13 ug/L	74
9 Bis(2-Chloroethyl)ether	6.14	63	2907	78.29 ug/L	100
10) 2-Chlorophenol	6.20	128	8299	81.06 ug/L	69
11) Pepane	6.22	57	5022	92.40 ug/L	62
12 1,3-Dichlorobenzene	6.38	146	9712	86.85 ug/L	55
13 1,4-Dichlorobenzene	6.44	146	11345	98.24 ug/L	93
14) Benzyl alcohol	6.64	79	7598	75.16 ug/L	91
15) 1,2-Dichlorobenzene	6.68	146	9959	91.98 ug/L	87
16 2-Methylphenol	6.79	108	6706	91.10 ug/L	98
17 Bis(2-chloroisopropyl)ethe	6.82	121	1761	91.79 ug/L	10[illegible]
18 3-&4-Methylphenol	6.97	108	13994	167.73 ug/L	84
19 N-Nitroso-di-n-propylamine	7.00	70	6608	82.99 ug/L	78
20 Hexachloroethane	7.06	166	1901	93.39 ug/L #	58
23 Nitrobenzene	7.18	77	9974	86.30 ug/L	43
24 Isophorone	7.47	82	17524	85.26 ug/L	94
25) 2-Nitrophenol	7.57	139	5146	79.70 ug/L	86
26) 2,4-Dimethylphenol	7.61	107	9243	86.86 ug/L	90
27) Bis(2-Chloroethoxy)methane	7.72	93	8545	62.72 ug/L	87
28) Benzoic Acid	7.67	105	17018	207.90 ug/L	100
29 2,4-Dichlorophenol	7.84	162	6646	74.59 ug/L	81
30 1,2,4-Trichlorobenzene	7.94	180	7449	78.93 ug/L	89
31 Naphthalene	8.02	128	24423	90.18 ug/L	83
32 4-Chloroaniline	8.11	127	6482	58.41 ug/L	90
33 Hexachlorobutadiene	8.22	225	6022	72.14 ug/L	94
34 4-Chloro-3-methylphenol	8.66	107	8142	66.28 ug/L	98
35 2-Methylnaphthalene	8.82	141	14238	79.75 ug/L	100
36) 1-Methylnaphthalene	8.95	141	14014	78.34 ul/l	95
38) Hexachlorocyclopentadiene	9.08	237	8880	102.63 ug/L	74
39 2,6-Dichloroaniline	9.19	161	8750	77.88 ug/L	89
40) 2,4,6-Trichlorophenol	9.17	196	4430	72.91 ug/L	83
41 2,4,5-Trichlorophenol	9.22	196	4654	82.20 ug/L	99
43 2-Chloronaphthalene	9.38	162	14339	85.74 ug/L	70
44 Biphenyl	9.36	154	17139	91.20 ug/L	84
45 2-Nitroaniline	9.54	138	4999	72.43 ug/L	93

= qualifier out of range (m) = manual integration
P53979.D 111604.M Wed Nov 17 12:25:43 2004 Page 1

00711

Data File : V:\DATA\111604\P53979.D Vial: 0
Acq On : 16 Nov 2004 14:35 Operator: CLZ
Sample : 100 UG/L 8270 ICAL STD NO 1281-1-3 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:19:27 2004 Quant Results File: 111604.RES

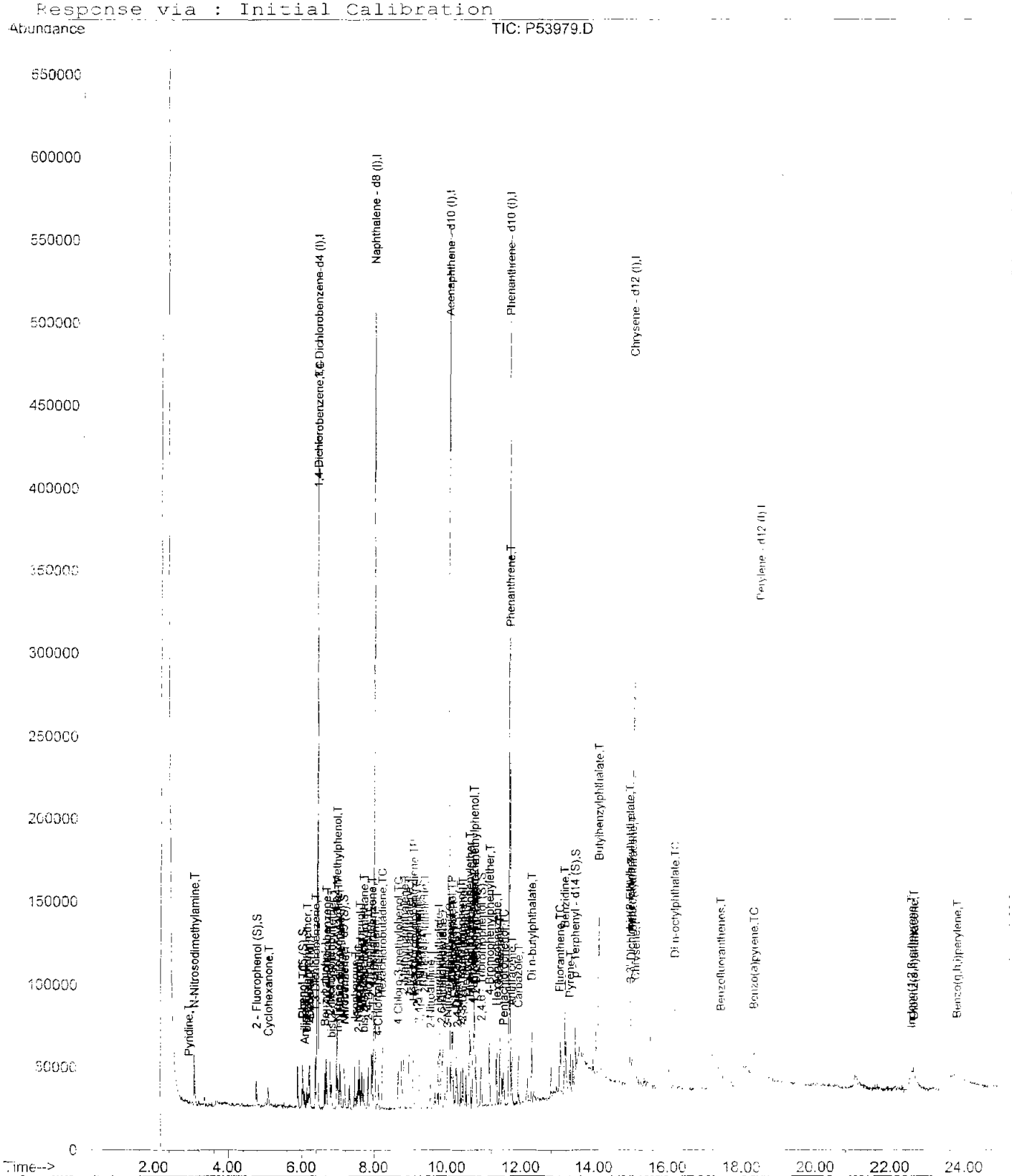
Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:19:22 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dimethylphthalate	9.75	163	20277	91.98	ug/L		99
47)	Acenaphthylene	9.87	152	19956	85.17	ug/L		98
48)	2,6-Dinitrotoluene	9.84	165	4607	83.98	ug/L		71
49)	3-Nitroaniline	10.01	138	4193	77.62	ug/L		82
50)	Acenaphthene	10.07	153	13141	84.17	ug/L		100
51)	2,4-Dinitrophenol	10.12	184	10207	305.73	ug/L		74
52)	4-Nitrophenol	10.15	65	6002	317.29	ug/L		92
53)	Dibenzofuran	10.24	168	18384	83.42	ug/L		84
54)	2,4-Dinitrotoluene	10.28	165	7039	77.54	ug/L		67
55)	2,3,4,6-Tetrachlorophenol	10.38	232	4936	76.69	ug/L		90
56)	2,3,5,6-Tetrachlorophenol	10.43	232	4847	70.39	ug/L		79
57)	Diethylphthalate	10.52	149	17276	88.06	ug/L		94
58)	Fluorene	10.63	166	12951	85.71	ug/L		77
59)	4-Chlorophenylphenylether	10.61	204	11139	75.38	ug/L		100
60)	4-Nitroaniline	10.69	138	3394	58.58	ug/L		86
62)	4,6-Dinitro-2-methylphenol	10.73	198	22677	407.91	ug/L		75
63)	n-Nitrosodiphenylamine	10.75	169	8850	61.86	ug/L	#	1
65)	1,2-Diphenylhydrazine	10.78	182	6163	67.27	ug/L	#	18
66)	4-Bromophenylphenylether	11.15	248	7524	78.63	ug/L	#	66
67)	Hexachlorobenzene	11.34	284	6141	83.39	ug/L		78
68)	Pentachlorophenol	11.53	266	3942	75.07	ug/L		97
69)	Phenanthrene	11.70	178	18529	84.53	ug/L		68
70)	Anthracene	11.75	178	17876	88.67	ug/L		99
71)	Octadecane	11.42	57	6152	83.65	ug/L		93
72)	Carbazole	11.93	167	16242	84.42	ug/L		79
73)	Di-n-butylphthalate	12.29	149	30802	104.55	ug/L		95
74)	Fluoranthene	13.05	202	21573	89.57	ug/L		94
75)	Pyrene	13.33	202	20642	87.24	ug/L		96
76)	Benzidine	13.18	184	61088	461.64	ug/L		100
79)	Butylbenzylphthalate	14.11	149	17559	98.42	ug/L		95
80)	Benzo(a)anthracene	15.04	228	23892	89.67	ug/L		92
81)	3,3'-Dichlorobenzidine	14.99	252	17289+	83.42	ug/L		80
82)	Chrysene	15.12	228	21146	93.00	ug/L		88
83)	bis(2-Ethylhexyl)phthalate	14.97	149	33366	107.39	ug/L		91
85)	Di-n-octylphthalate	16.18	149	58311	97.45	ug/L		99
86)	Benzofluoranthenes	17.42	252	57375	171.09	ug/L		86
87)	Benzo(a)pyrene	18.32	252	25544	83.34	ug/L		100
88)	Indeno(1,2,3-cd)pyrene	22.35	276	34640	83.71	ug/L		100
89)	Dibenz(a,h)anthracene	22.62	278	27648	80.33	ug/L		100
90)	Benzo(g,h,i)perylene	23.80	276	27399	81.92	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : V:\DATA\111604\P53979.D Vial: 0
Acq On : 16 Nov 2004 14:35 Operator: CLZ
Sample : 100 UG/L 8270 ICAL STD NO 1281-1-3 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:19 2004 Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration



Data File : V:\DATA\111604\P53980.D Vial: 0
Acq On : 16 Nov 2004 15:06 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:22:13 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:22:08 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.42	152	89656	1000.00 ug/L	0.00
21) Naphthalene - d8 (I)	7.99	136	295591	1000.00 ug/L	-0.01
37) Acenaphthene - d10 (I)	10.04	162	184396	1000.00 ug/L	0.00
61) Phenanthrene - d10 (I)	11.68	188	291379	1000.00 ug/L	0.00
78) Chrysene - d12 (I)	15.07	240	339520	1000.00 ug/L	-0.01
84) Perylene - d12 (I)	18.50	264	433886	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.78	112	13225	150.84 ug/L	-0.05
7) Phenol - d5 (S)	6.02	99	16595	160.46 ug/L	0.00
22) Nitrobenzene - d5 (S)	7.16	82	19150	185.96 ug/L	-0.01
42) 2 - Fluorobiphenyl (S)	9.25	172	29342	178.03 ug/L	0.00
64) 2,4,6 - Tribromophenol (S)	10.93	330	9667	156.96 ug/L	0.00
77) p - Terphenyl - d14 (S)	13.47	244	39961	161.27 ug/L	-0.02
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	3.08	74	33700	609.44 ug/L	100
3) Pyridine	3.33	79	44671-	423.26 ug/L	68
5) Cyclohexanone	5.10	55	4868	184.71 ug/L	90
6) Aniline	6.07	93	13370	129.30 ug/L	100
8) Phenol	6.03	94	19988	172.15 ug/L	74
9) bis(2-Chloroethyl)ether	6.14	63	6403	166.61 ug/L	100
10) 2-Chlorophenol	6.19	128	17612	178.52 ug/L	56
11) Decane	6.22	57	7947	149.67 ug/L #	32
12) 1,3-Dichlorobenzene	6.37	146	16986	156.14 ug/L	62
13) 1,4-Dichlorobenzene	6.44	146	19718	172.14 ug/L	96
14) Benzyl alcohol	6.63	79	16669	171.38 ug/L	95
15) 1,2-Dichlorobenzene	6.68	146	17009	160.26 ug/L	75
16) 2-Methylphenol	6.78	108	11353	154.12 ug/L	90
17) bis(2-chloroisopropyl)ethe	6.82	121	2834	146.71 ug/L	100
18) 3-&4-Methylphenol	6.97	108	24912	301.98 ug/L	86
19) n-Nitroso-di-n-propylamine	7.00	70	13272	172.26 ug/L	79
20) Hexachloroethane	7.06	166	3473	171.77 ug/L #	73
21) Nitrobenzene	7.18	77	17543	166.83 ug/L	37
22) Isophorone	7.46	82	31795	171.39 ug/L	98
23) 2-Nitrophenol	7.57	139	9700	164.39 ug/L	86
24) 2,4-Dimethylphenol	7.60	107	17253	177.88 ug/L	88
25) bis(2-Chloroethoxy)methane	7.72	93	16664	139.02 ug/L	89
26) Benzoic Acid	7.68	105	39218	526.61 ug/L	100
27) 2,4-Dichlorophenol	7.83	162	12406	154.90 ug/L	93
28) 1,2,4-Trichlorobenzene	7.94	180	13608	159.20 ug/L	91
29) Naphthalene	8.02	128	47551	194.02 ug/L	99
30) 4-Chloroaniline	8.11	127	12806	126.95 ug/L	91
31) Hexachlorobutadiene	8.22	225	11685	158.59 ug/L	91
32) 4-Chloro-3-methylphenol	8.65	107	16413	149.33 ug/L	95
33) 1-Methylnaphthalene	8.82	141	27350	169.50 ug/L	100
34) 2-Methylnaphthalene	8.95	141	27116	170.35 ug/L	93
35) Hexachlorocyclopentadiene	9.07	237	14660	164.97 ug/L	70
39) 2,3-Dichloroaniline	9.19	161	16858	148.16 ug/L	93
40) 2,4,6-Trichlorophenol	9.17	196	9453	155.09 ug/L	81
41) 2,4,5-Trichlorophenol	9.21	196	9939	171.11 ug/L	99
43) 2-Chloronaphthalene	9.38	162	29289	174.05 ug/L	78
44) Biphenyl	9.36	154	31842	176.30 ug/L	92
45) 2-Nitroaniline	9.54	138	11817	171.20 ug/L	98

= qualifier out of range (m) = manual integration
P53980.D 111604.M Wed Nov 17 12:23:50 2004 Page 1

00714

Data File : V:\DATA\111604\P53980.D Vial: 0
Acq On : 16 Nov 2004 15:06 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:22:13 2004 Quant Results File: 111604.RES

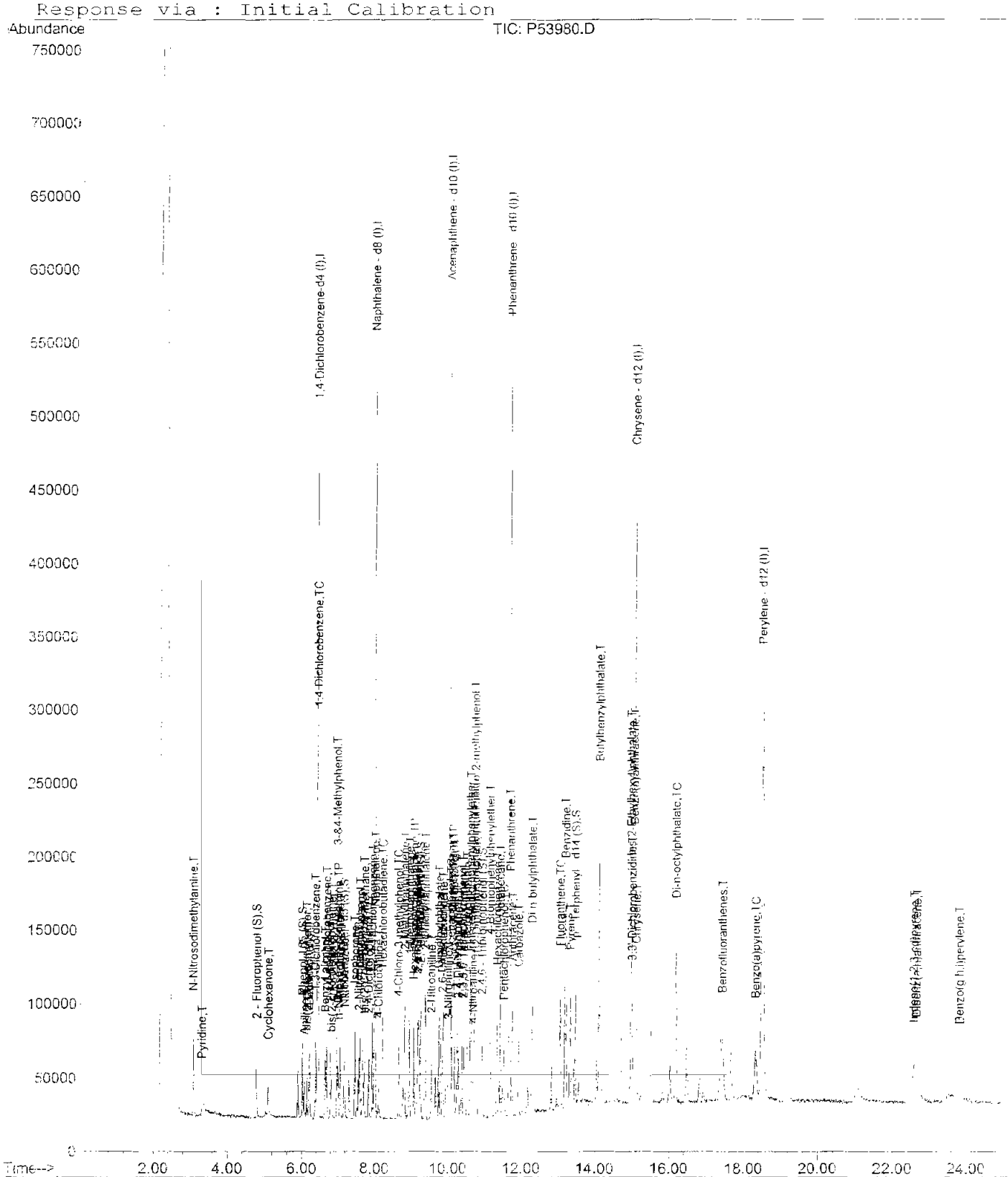
Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:22:08 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dimethylphthalate	9.75	163	40400	180.79	ug/L		95
47)	Acenaphthylene	9.87	152	41016	175.00	ug/L		98
48)	2,6-Dinitrotoluene	9.84	165	9759	178.03	ug/L		74
49)	3-Nitroaniline	10.00	138	8788	159.80	ug/L		79
50)	Acenaphthene	10.07	153	27914	177.94	ug/L		100
51)	2,4-Dinitrophenol	10.12	184	21238	628.37	ug/L		77
52)	4-Nitrophenol	10.15	65	9653	515.13	ug/L	#	57
53)	Dibenzofuran	10.24	168	40224	184.05	ug/L		88
54)	2,4-Dinitrotoluene	10.28	165	15045	165.36	ug/L		76
55)	2,3,4,6-Tetrachlorophenol	10.37	232	11777	179.45	ug/L		85
56)	2,3,5,6-Tetrachlorophenol	10.42	232	11344	165.83	ul/l		83
57)	Diethylphthalate	10.52	149	38038	198.38	ug/L		91
58)	Fluorene	10.63	166	27026	178.76	ug/L		77
59)	4-Chlorophenylphenylether	10.61	204	25431	175.10	ug/L		99
60)	4-Nitroaniline	10.69	138	7046	122.12	ug/L		86
62)	4,6-Dinitro-2-methylphenol	10.73	198	47656	749.89	ug/L		80
63)	n-Nitrosodiphenylamine	10.75	169	21745	134.01	ug/L	#	1
65)	1,2-Diphenylhydrazine	10.78	182	14315	139.10	ug/L	#	40
66)	4-Bromophenylphenylether	11.15	248	18085	170.18	ug/L	#	73
67)	Hexachlorobenzene	11.34	284	14707	178.29	ug/L		80
68)	Pentachlorophenol	11.53	266	9117	152.08	ug/L		90
69)	Phenanthrene	11.71	178	43735	177.47	ug/L		71
70)	Anthracene	11.75	178	39021	171.51	ug/L		99
71)	Octadecane	11.42	57	13787	164.82	ug/L		93
72)	Carbazole	11.93	167	35084	160.28	ug/L		78
73)	Di-n-butylphthalate	12.29	149	64055	191.99	ug/L		94
74)	Fluoranthene	13.05	202	48968	180.36	ug/L		96
75)	Pyrene	13.33	202	47113	176.53	ug/L		100
76)	Benzidine	13.19	184	117326	771.19	ug/L		100
79)	Butylbenzylphthalate	14.11	149	33774	195.92	ug/L		93
80)	Benzo(a)anthracene	15.04	228	47123	179.97	ug/L		93
81)	3,3'-Dichlorobenzidine	14.99	252	34030+	164.02	ug/L		77
82)	Chrysene	15.12	228	41970	187.82	ug/L		97
83)	bis(2-Ethylhexyl)phthalate	14.97	149	65384	210.22	ug/L		89
85)	Di-n-octylphthalate	16.18	149	117464	183.10	ug/L		97
86)	Benzofluoranthenes	17.42	252	121564	345.08	ug/L		83
87)	Benzo(a)pyrene	18.32	252	55912	172.21	ug/L		100
88)	Indeno(1,2,3-cd)pyrene	22.56	276	80497	184.67	ug/L		100
89)	Dibenz(a,h)anthracene	22.63	278	66338	183.50	ug/L		100
90)	Benzo(g,h,i)perylene	23.79	276	66325	188.60	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : V:\DATA\111604\P53980.D Vial: 0
Acq On : 16 Nov 2004 15:06 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:22 2004 Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration



45473

00716

Data File : V:\DATA\111604\P53981.D Vial: 0
Acq On : 16 Nov 2004 15:37 Operator: CLZ
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:14:31 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:14:26 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.42	152	82712	1000.00 ug/L	0.00
21) Naphthalene - d8 (I)	8.00	136	302493	1000.00 ug/L	0.00
37) Acenaphthene - d10 (I)	10.04	162	197965	1000.00 ug/L	0.00
61) Phenanthrene - d10 (I)	11.68	188	297688	1000.00 ug/L	0.00
78) Chrysene - d12 (I)	15.08	240	414590	1000.00 ul/l	0.00
84) Perylene - d12 (I)	18.50	264	445758	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.78	112	38523	461.64 ug/L	-0.05
7) Phenol - d5 (S)	6.02	99	43412	436.31 ug/L	0.00
22) Nitrobenzene - d5 (S)	7.16	82	48502	419.47 ug/L	-0.01
42) 2 - Fluorobiphenyl (S)	9.26	172	73506	388.91 ug/L	0.00
64) 2,4,6 - Tribromophenol (S)	10.93	330	27021	431.05 ug/L	0.00
77) p - Terphenyl - d14 (S)	13.47	244	120913	445.28 ug/L	-0.02
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	3.07	74	101285	1829.09 ug/L	100
3) Pyridine	3.13	79	246088+	2109.02 ug/L	97
5) Cyclohexanone	5.09	55	10808	428.03 ug/L #	1
6) Aniline	6.07	93	46045	473.75 ug/L	100
8) Phenol	6.03	94	49548	439.20 ug/L	54
9) bis(2-Chloroethyl)ether	6.14	63	16137	439.61 ug/L	100
10) 2-Chlorophenol	6.20	128	43832	453.88 ug/L	55
11) Decane	6.22	57	23434	453.34 ug/L	47
12) 1,3-Dichlorobenzene	6.38	146	47071	436.08 ug/L	67
13) 1,4-Dichlorobenzene	6.44	146	51011	473.90 ug/L	99
14) Benzyl alcohol	6.64	79	43336	448.14 ug/L	92
15) 1,2-Dichlorobenzene	6.68	146	45571	438.70 ug/L	70
16) 2-Methylphenol	6.79	108	31089	443.40 ug/L	88
17) bis(2-chloroisopropyl)ethe	6.82	121	6385	339.19 ug/L	100
18) 3-&4-Methylphenol	6.97	108	66513	847.10 ug/L	85
19) n-Nitroso-di-n-propylamine	7.00	70	35897	475.21 ug/L	75
20) Hexachloroethane	7.06	166	8971	466.55 ug/L #	56
23) Nitrobenzene	7.18	77	45440	385.34 ug/L	41
24) Isophorone	7.46	82	84563	406.82 ug/L	99
25) 2-Nitrophenol	7.57	139	25435	394.74 ug/L	89
26) 2,4-Dimethylphenol	7.61	107	47313	446.48 ug/L	99
27) bis(2-Chloroethoxy)methane	7.72	93	48018	359.07 ug/L	94
28) Benzoic Acid	7.71	105	154378	1967.88 ug/L	100
29) 2,4-Dichlorophenol	7.84	162	32220	356.35 ug/L	96
30) 1,2,4-Trichlorobenzene	7.94	180	36319	374.44 ug/L	94
31) Naphthalene	8.02	128	121533	442.99 ug/L	96
32) 4-Chloroaniline	8.11	127	41775	386.67 ug/L	94
33) Hexachlorobutadiene	8.22	225	29873	352.22 ug/L	94
34) 4-Chloro-3-methylphenol	8.66	107	44472	350.18 ug/L	93
35) 2-Methylnaphthalene	8.82	141	73937	409.71 ug/L	100
36) 1-Methylnaphthalene	8.95	141	75250	406.25 ul/l	89
38) Hexachlorocyclopentadiene	9.08	237	43467	453.22 ug/L	72
39) 2,4-Dichloroaniline	9.19	161	50791	390.28 ug/L	99
40) 2,4,6-Trichlorophenol	9.18	196	27953	407.23 ug/L	80
41) 2,4,5-Trichlorophenol	9.22	196	28060	437.07 ug/L	84
43) 2-Chloronaphthalene	9.38	162	79943	421.38 ug/L	81
44) Biphenyl	9.36	154	83484	417.82 ug/L	86
45) 2-Nitroaniline	9.54	138	30163	385.01 ug/L	93

(#) = qualifier out of range (m) = manual integration

Data File : V:\DATA\111604\P53981.D Vial: 0
Acq On : 16 Nov 2004 15:37 Operator: CLZ
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:14:31 2004 Quant Results File: 111604.RES

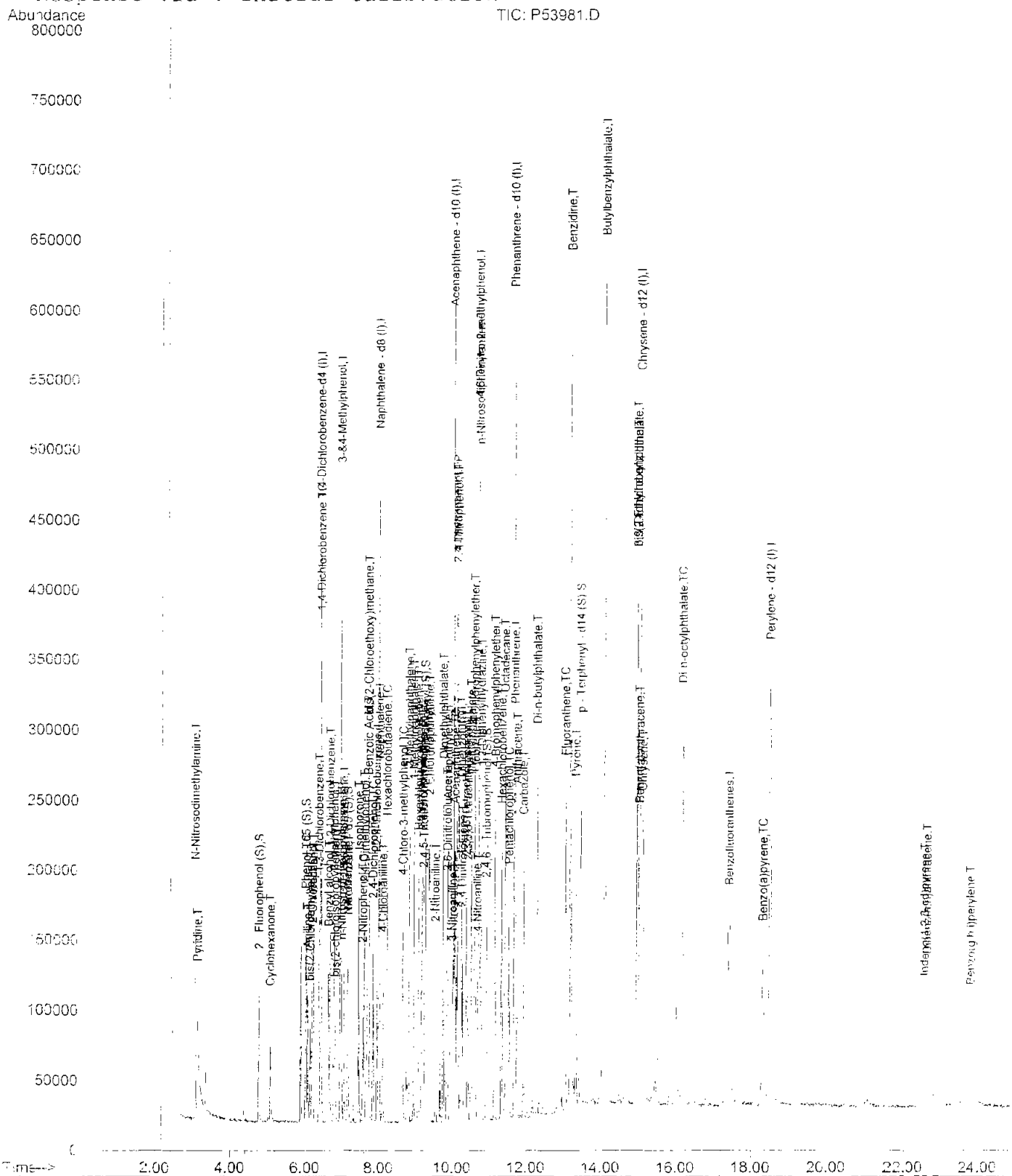
Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:14:26 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dimethylphthalate	9.75	163	113978	444.01	ug/L		97
47)	Acenaphthylene	9.87	152	109724	414.26	ug/L		99
48)	2,6-Dinitrotoluene	9.85	165	25732	401.60	ug/L		65
49)	3-Nitroaniline	10.01	138	24265	391.11	ug/L		69
50)	Acenaphthene	10.07	153	73281	413.80	ug/L		100
51)	2,4-Dinitrophenol	10.12	184	79738	2174.00	ug/L		73
52)	4-Nitrophenol	10.16	65	41068	1942.96	ug/L		93
53)	Dibenzofuran	10.25	168	100823	390.05	ug/L		88
54)	2,4-Dinitrotoluene	10.28	165	40404	395.19	ug/L		82
55)	2,3,4,6-Tetrachlorophenol	10.38	232	31461	415.85	ug/L		89
56)	2,3,5,6-Tetrachlorophenol	10.43	232	30101	386.52	ug/L		90
57)	Diethylphthalate	10.52	149	105536	484.94	ug/L		82
58)	Fluorene	10.63	166	70251	390.73	ug/L		82
59)	4-Chlorophenylphenylether	10.61	204	66254	400.29	ug/L		96
60)	4-Nitroaniline	10.70	138	22082	341.98	ug/L		93
62)	4,6-Dinitro-2-methylphenol	10.73	198	146336	2118.27	ug/L		82
63)	n-Nitrosodiphenylamine	10.75	169	70720	402.76	ug/L	#	1
65)	1,2-Diphenylhydrazine	10.79	182	37959	341.69	ug/L	#	29
66)	4-Bromophenylphenylether	11.16	248	45525	393.76	ug/L	#	74
67)	Hexachlorobenzene	11.34	284	38649	418.59	ug/L		77
68)	Pentachlorophenol	11.53	266	26677	429.58	ug/L		95
69)	Phenanthrene	11.71	178	112897	414.72	ug/L		72
70)	Anthracene	11.76	178	110428	435.44	ug/L		97
71)	Octadecane	11.43	57	35983	392.04	ug/L		94
72)	Carbazole	11.93	167	103432	454.09	ug/L		79
73)	Di-n-butylphthalate	12.29	149	174596	504.13	ug/L		94
74)	Fluoranthene	13.05	202	138481	467.99	ug/L		95
75)	Pyrene	13.33	202	137488	476.47	ug/L		100
76)	Benzidine	13.19	184	410324	2627.76	ug/L		100
79)	Butylbenzylphthalate	14.11	149	101315	449.16	ug/L		100
80)	Benzo(a)anthracene	15.04	228	145054	421.95	ug/L		96
81)	3,3'-Dichlorobenzidine	14.98	252	116016+	453.67	ug/L		77
82)	Chrysene	15.12	228	137441	464.39	ug/L		92
83)	bis(2-Ethylhexyl)phthalate	14.97	149	189030	427.03	ug/L		88
85)	Di-n-octylphthalate	16.15	149	303870	441.72	ug/L		99
86)	Benzofluoranthenes	17.42	252	342649	852.77	ug/L		90
87)	Benzo(a)pyrene	18.32	252	135316	442.70	ug/L		100
88)	Indeno(1,2,3-cd)pyrene	22.55	276	203429	422.55	ug/L		100
89)	Dibenz(a,h)anthracene	22.62	278	166045	431.19	ug/L		100
90)	Benzo(g,h,i)perylene	23.81	276	164322	430.36	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : V:\DATA\111604\P53981.D Vial: 0
Acq On : 16 Nov 2004 15:37 Operator: CLZ
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:14 2004 Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration



Data File : V:\DATA\111604\P53982.D Vial: 0
Acq On : 16 Nov 2004 16:09 Operator: CLZ
Sample : 1000 UG/L 8270 ICAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:22:50 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:22:45 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.43	152	93992	1000.00 ug/L	0.01
24) Naphthalene - d8 (I)	8.00	136	332868	1000.00 ug/L	0.00
37) Acenaphthene - d10 (I)	10.04	162	214174	1000.00 ug/L	0.00
61) Phenanthrene - d10 (I)	11.68	188	348968	1000.00 ug/L	0.00
78) Chrysene - d12 (I)	15.08	240	484611	1000.00 ul/l	0.00
84) Perylene - d12 (I)	18.50	264	502684	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.79	112	82309	933.63 ug/L	-0.04
7) Phenol - d5 (S)	6.02	99	102764	966.74 ug/L	0.00
22) Nitrobenzene - d5 (S)	7.16	82	95213	833.95 ug/L	-0.01
42) 2 - Fluorobiphenyl (S)	9.26	172	168873	895.32 ug/L	0.00
64) 2,4,6 - Tribromophenol (S)	10.93	330	60062	829.04 ug/L	0.00
77) p - Terphenyl - d14 (S)	13.47	244	283121	976.62 ug/L	-0.02
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	3.07	74	204560	3659.52 ug/L	100
3) Pyridine	3.10	79	592188+	6093.48 ug/L	95
5) Cyclohexanone	5.09	55	22031	798.68 ug/L	79
6) Aniline	6.07	93	104151	974.79 ug/L	100
8) Phenol	6.04	94	114624	952.34 ug/L	62
9) bis(2-Chloroethyl)ether	6.14	63	31537	807.28 ug/L	100
10) 2-Chlorophenol	6.20	128	95793	953.50 ug/L	53
11) Decane	6.22	57	49422	909.23 ug/L	40
12) 1,3-Dichlorobenzene	6.38	146	102809	931.15 ug/L	70
13) 1,4-Dichlorobenzene	6.45	146	105903	901.79 ug/L	94
14) Benzyl alcohol	6.64	79	95168	956.80 ug/L	91
15) 1,2-Dichlorobenzene	6.68	146	102976	961.65 ug/L	74
16) 2-Methylphenol	6.79	108	65059	872.19 ug/L	92
17) bis(2-chloroisopropyl)ethe	6.83	121	17649	914.92 ug/L	100
18) 3-&4-Methylphenol	6.97	108	163277	1942.06 ug/L	80
19) n-Nitroso-di-n-propylamine	7.00	70	80121	1014.61 ug/L	72
20) Hexachloroethane	7.06	166	19312	941.33 ug/L #	59
21) Nitrobenzene	7.19	77	99417	821.74 ug/L	43
23) Isophorone	7.46	82	172779	853.30 ug/L	93
25) 2-Nitrophenol	7.57	139	56911	874.70 ug/L	89
26) 2,4-Dimethylphenol	7.61	107	96050	889.54 ug/L	99
27) bis(2-Chloroethoxy)methane	7.73	93	106595	856.27 ug/L	94
28) Benzoic Acid	7.75	105	402646	4876.42 ug/L	100
29) 2,4-Dichlorophenol	7.84	162	72016	834.59 ug/L	96
30) 1,2,4-Trichlorobenzene	7.95	180	78672	845.55 ug/L	94
31) Naphthalene	8.02	128	249771	921.25 ug/L	98
32) 4-Chloroaniline	8.12	127	96949	871.34 ug/L	97
33) Hexachlorobutadiene	8.22	225	68447	857.27 ug/L	95
34) 4-Chloro-3-methylphenol	8.66	107	106912	889.42 ug/L	99
35) 2-Methylnaphthalene	8.82	141	156247	884.25 ug/L	100
36) 1-Methylnaphthalene	8.95	141	151653	874.46 ul/l	92
38) Hexachlorocyclopentadiene	9.08	237	84645	839.46 ug/L	74
39) 2,6-Dichloroaniline	9.20	161	109091	836.05 ug/L	97
40) 2,4,6-Trichlorophenol	9.18	196	57113	828.14 ug/L	83
41) 2,4,5-Trichlorophenol	9.22	196	59362	889.95 ug/L	93
43) 2-Chloronaphthalene	9.39	162	172521	899.79 ug/L	84
44) Biphenyl	9.36	154	184824	896.35 ug/L	88
45) 2-Nitroaniline	9.54	138	68468	859.85 ug/L	94

#= qualifier out of range (m) = manual integration

Data File : V:\DATA\111604\P53982.D Vial: 0
Acq On : 16 Nov 2004 16:09 Operator: CLZ
Sample : 1000 UG/L 8270 ICAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:22:50 2004 Quant Results File: 111604.RES

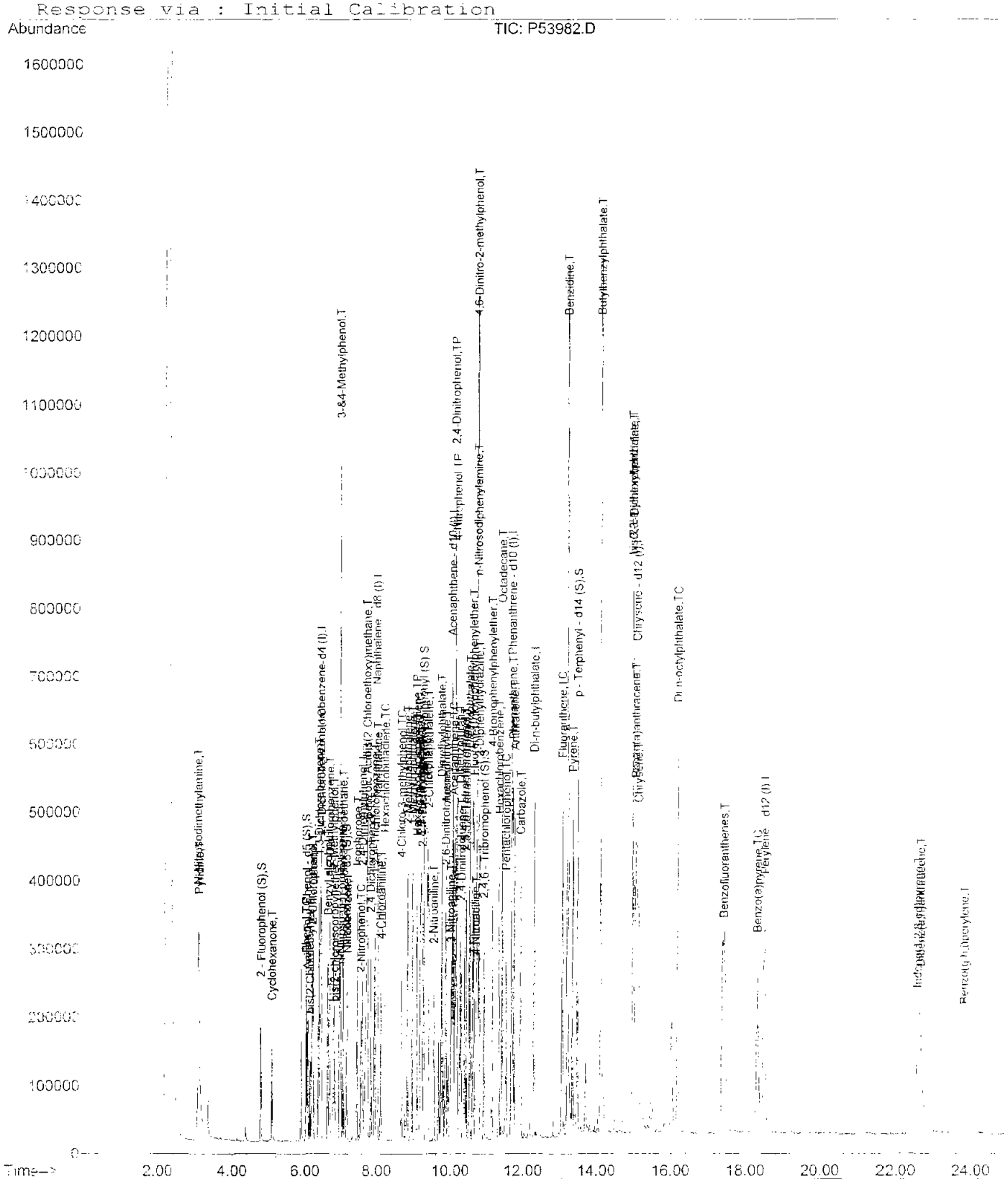
Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:22:45 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dimethylphthalate	9.75	163	257016	1014.90	ug/L		99
47)	Acenaphthylene	9.87	152	256440	962.55	ug/L		98
48)	2,6-Dinitrotoluene	9.85	165	54658	888.66	ug/L		68
49)	3-Nitroaniline	10.01	138	61779	984.82	ug/L		61
50)	Acenaphthene	10.08	153	159463	887.21	ug/L		100
51)	2,4-Dinitrophenol	10.12	184	190950	4962.03	ug/L		75
52)	4-Nitrophenol	10.17	65	103192	4978.62	ug/L	#	55
53)	Dibenzofuran	10.25	168	226854	919.35	ug/L		88
54)	2,4-Dinitrotoluene	10.29	165	92163	893.55	ug/L		69
55)	2,3,4,6-Tetrachlorophenol	10.38	232	72704	964.00	ug/L		91
56)	2,3,5,6-Tetrachlorophenol	10.43	232	67230	858.29	ug/L		89
57)	Diethylphthalate	10.53	149	203152	929.84	ug/L		50
58)	Fluorene	10.64	166	168399	974.54	ug/L		86
59)	4-Chlorophenylphenylether	10.61	204	142090	862.53	ug/L		97
60)	4-Nitroaniline	10.70	138	55520	853.90	ug/L		95
62)	4,6-Dinitro-2-methylphenol	10.74	198	371952	4997.04	ug/L		78
63)	n-Nitrosodiphenylamine	10.75	169	173061	904.48	ug/L	#	1
65)	1,2-Diphenylhydrazine	10.79	182	87914	726.31	ug/L	#	1
66)	4-Bromophenylphenylether	11.16	248	96378	784.03	ug/L	#	66
67)	Hexachlorobenzene	11.34	284	81666	851.02	ug/L		79
68)	Pentachlorophenol	11.53	266	61381	878.14	ug/L		95
69)	Phenanthrene	11.71	178	273163	947.37	ug/L		79
70)	Anthracene	11.76	178	258872	976.17	ug/L		97
71)	Octadecane	11.43	57	85409	870.34	ug/L		94
72)	Carbazole	11.93	167	237986	926.20	ug/L		81
73)	Di-n-butylphthalate	12.30	149	341789	879.64	ug/L		91
74)	Fluoranthene	13.05	202	321993	1011.83	ug/L		99
75)	Pyrene	13.33	202	297249	951.00	ug/L		100
76)	Benzidine	13.19	184	1070509	5974.50	ug/L		100
79)	Butylbenzylphthalate	14.11	149	214127	893.87	ug/L		93
80)	Benzo(a)anthracene	15.05	228	346243	950.78	ug/L		93
81)	3,3'-Dichlorobenzidine	14.99	252	269449+	939.12	ug/L		77
82)	Chrysene	15.12	228	302026	967.53	ug/L		94
83)	bis(2-Ethylhexyl)phthalate	14.97	149	353285	858.45	ug/L		91
84)	Di-n-octylphthalate	16.18	149	622109	879.15	ug/L		97
85)	Benzofluoranthenes	17.43	252	782234	1972.09	ug/L		91
87)	Benzo(a)pyrene	18.32	252	353728	961.16	ug/L		100
88)	Indeno(1,2,3-cd)pyrene	22.57	276	464813	941.39	ug/L		100
89)	Dibenz(a,h)anthracene	22.64	278	384469	940.42	ug/L		100
90)	Benzo(g,h,i)perylene	23.82	276	373780	933.71	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : V:\DATA\111604\P53982.D Vial: 0
Acq On : 16 Nov 2004 16:09 Operator: CLZ
Sample : 1000 UG/L 8270 ICAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:22 2004 Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration



Data File : V:\DATA\111604\P53983.D Vial: 0
Acq On : 16 Nov 2004 16:40 Operator: CLZ
Sample : 1500 UG/L 8270 ICAL STD NO 1281-1-7 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:23:11 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:23:06 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.42	152	92209	1000.00 ug/L	0.00
21) Naphthalene - d8 (I)	8.00	136	339435	1000.00 ug/L	0.00
37) Acenaphthene - d10 (I)	10.04	162	181882	1000.00 ug/L	0.00
61) Phenanthrene - d10 (I)	11.68	188	260305	1000.00 ug/L	0.00
78) Chrysene - d12 (I)	15.07	240	395003	1000.00 ul/l	-0.01
84) Perylene - d12 (I)	18.49	264	416931	1000.00 ug/L	-0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.78	112	134817	1604.00 ug/L	-0.05
7) Phenol - d5 (S)	6.02	99	156269	1511.94 ug/L	0.00
22) Nitrobenzene - d5 (S)	7.16	82	148138	1302.47 ug/L	-0.01
42) 2 - Fluorobiphenyl (S)	9.26	172	224610	1426.75 ug/L	0.00
64) 2,4,6 - Tribromophenol (S)	10.93	330	72004	1380.50 ug/L	0.00
77) p - Terphenyl - d14 (S)	13.47	244	346274	1638.99 ug/L	-0.02
Target Compounds					Qvalue
1) N-Nitrosodimethylamine	3.08	74	388452	7616.75 ug/L	100
3) Pyridine	3.09	79	931384+	10195.12 ug/L	9[illegible]
5) Cyclohexanone	5.09	55	37219	1413.55 ug/L	77
6) Aniline	6.07	93	172584	1702.20 ug/L	100
8) Phenol	6.03	94	176047	1520.61 ug/L	69
9) bis(2-Chloroethyl)ether	6.14	63	50082	1348.44 ug/L	100
10) 2-Chlorophenol	6.20	128	148407	1529.14 ug/L	52
11) Decane	6.22	57	74173	1415.25 ug/L	36
12) 1,3-Dichlorobenzene	6.38	146	149238	1420.52 ug/L	72
13) 1,4-Dichlorobenzene	6.44	146	174418	1543.35 ug/L	91
14) Benzyl alcohol	6.63	79	140350	1467.18 ug/L	94
15) 1,2-Dichlorobenzene	6.68	146	152896	1486.36 ug/L	72
16) 2-Methylphenol	6.79	108	111825	1561.22 ug/L	87
17) bis(2-chloroisopropyl)ethe	6.82	121	27319	1487.57 ug/L	100
18) 3-&4-Methylphenol	6.97	108	276220	3397.21 ug/L	74
19) n-Nitroso-di-n-propylamine	7.00	70	110400	1433.64 ug/L	69
20) Hexachloroethane	7.06	166	28488	1427.60 ug/L #	62
23) Nitrobenzene	7.18	77	150953	1347.87 ug/L	44
24) Isophorone	7.46	82	255168	1279.62 ug/L	95
25) 2-Nitrophenol	7.57	139	81684	1266.84 ug/L	89
26) 2,4-Dimethylphenol	7.61	107	150924	1381.00 ug/L	95
27) bis(2-Chloroethoxy)methane	7.72	93	155715	1257.95 ug/L	96
28) Benzoic Acid	7.77	105	603047	7325.22 ug/L	100
29) 2,4-Dichlorophenol	7.84	162	103535	1201.79 ug/L	99
30) 1,2,4-Trichlorobenzene	7.94	180	119152	1292.26 ug/L	95
31) Naphthalene	8.02	128	369575	1348.75 ug/L	97
32) 4-Chloroaniline	8.11	127	142453	1307.25 ug/L	98
33) Hexachlorobutadiene	8.22	225	98322	1248.57 ug/L	94
34) 4-Chloro-3-methylphenol	8.36	107	134759	1131.30 ug/L	93
35) 2-Methylnaphthalene	8.62	141	236407	1344.76 ug/L	100
36) 1-Methylnaphthalene	8.95	141	223181	1306.61 ul/l	94
38) Hexachlorocyclopentadiene	9.08	237	127001	1500.65 ug/L	73
39) 2,6-Dichloroaniline	9.19	161	167575	1549.44 ug/L	98
40) 2,4,6-Trichlorophenol	9.17	196	78167	1383.00 ug/L	79
41) 2,4,5-Trichlorophenol	9.22	196	79460	1429.44 ug/L	99
43) 2-Chloronaphthalene	9.38	162	240307	1505.89 ug/L	66
44) Biphenyl	9.36	154	286958	1662.37 ug/L	86
45) 2-Nitroaniline	9.54	138	89817	1365.18 ug/L	92

(#) = Qualifier out of range (m) = manual integration

Data File : V:\DATA\111604\P53983.D Vial: 0
Acq On : 16 Nov 2004 16:40 Operator: CLZ
Sample : 1500 UG/L 8270 ICAL STD NO 1281-1-7 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:23:11 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:23:06 2004
Response via : Initial Calibration
DataAcq Meth :

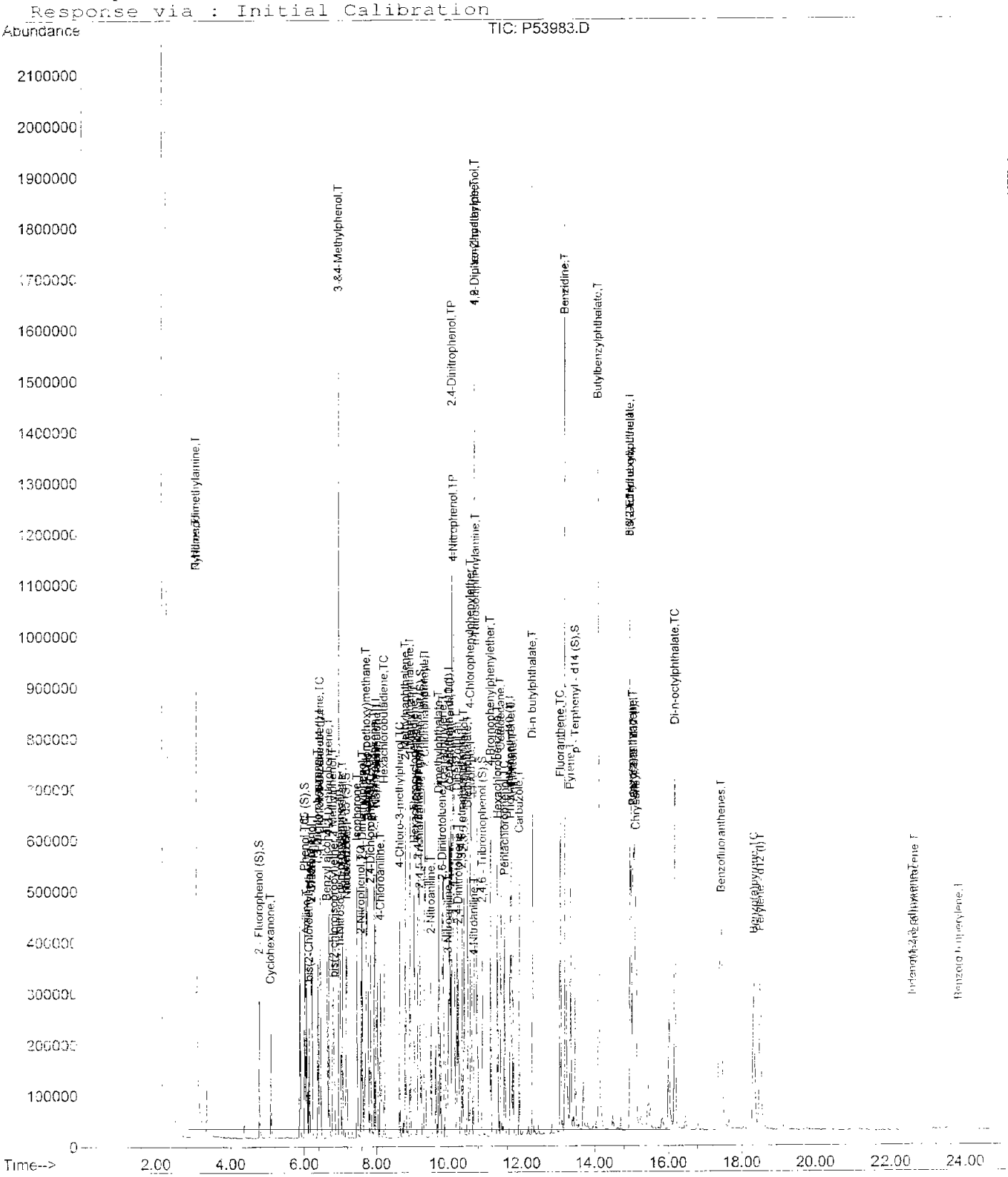
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dimethylphthalate	9.75	163	292157	1376.52	ug/L		99
47)	Acenaphthylene	9.87	152	346629	1555.96	ug/L		96
48)	2,6-Dinitrotoluene	9.85	165	73105	1432.58	ug/L		72
49)	3-Nitroaniline	10.01	138	72223	1381.26	ug/L		66
50)	Acenaphthene	10.07	153	236517	1585.93	ug/L		100
51)	2,4-Dinitrophenol	10.12	184	246211	7683.64	ug/L		80
52)	4-Nitrophenol	10.17	65	128745	7590.35	ug/L	#	49
53)	Dibenzofuran	10.25	168	299152	1461.62	ug/L		87
54)	2,4-Dinitrotoluene	10.28	165	106788	1262.20	ug/L		83
55)	2,3,4,6-Tetrachlorophenol	10.38	232	92119	1478.69	ug/L		89
56)	2,3,5,6-Tetrachlorophenol	10.43	232	82795	1286.44	ug/L		92
57)	Diethylphthalate	10.53	149	241255	1335.51	ug/L		43
58)	Fluorene	10.63	166	220245	1524.95	ug/L		87
59)	4-Chlorophenylphenylether	10.61	204	186434	1370.50	ug/L		96
60)	4-Nitroaniline	10.70	138	69155	1288.95	ug/L		94
62)	4,6-Dinitro-2-methylphenol	10.73	198	468667	8726.59	ug/L		81
63)	n-Nitrosodiphenylamine	10.75	169	229110	1678.48	ug/L	#	1
65)	1,2-Diphenylhydrazine	10.73	182	52506	617.84	ug/L		80
66)	4-Bromophenylphenylether	11.15	248	128503	1478.92	ug/L	#	73
67)	Hexachlorobenzene	11.34	284	104813	1517.51	ug/L		81
68)	Pentachlorophenol	11.53	266	77694	1550.65	ug/L		91
69)	Phenanthrene	11.71	178	324685	1558.76	ug/L		75
70)	Anthracene	11.76	178	307470	1587.40	ug/L		95
71)	Octadecane	11.43	57	101042	1440.41	ug/L		94
72)	Carbazole	11.93	167	282951	1516.45	ug/L		82
73)	Di-n-butylphthalate	12.29	149	393944	1399.25	ug/L		90
74)	Fluoranthene	13.05	202	387546	1670.23	ug/L		99
75)	Pyrene	13.33	202	369233	1630.84	ug/L		97
76)	Benzidine	13.19	184	1415812	10857.40	ug/L		100
79)	Butylbenzylphthalate	14.10	149	265221	1387.48	ug/L		87
80)	Benzo(a)anthracene	15.04	228	449318	1538.26	ug/L		90
81)	3,3'-Dichlorobenzidine	14.96	252	329581+	1443.14	ug/L		76
82)	Chrysene	15.12	228	384664	1536.29	ug/L		99
83)	bis(2-Ethylhexyl)phthalate	14.97	149	446993	1384.81	ug/L		99
85)	Di-n-octylphthalate	16.18	149	759008	1336.76	ug/L		96
86)	Benzofluoranthenes	17.42	252	998874	3100.41	ug/L		91
87)	Benzo(a)pyrene	18.32	252	451288	1504.88	ug/L		100
88)	Indeno(1,2,3-cd)pyrene	22.55	276	600859	1503.17	ug/L		100
89)	Dibenz(a,h)anthracene	22.62	278	494504	1489.70	ug/L		100
90)	Benzo(g,h,i)perylene	23.81	276	482367	1489.36	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : V:\DATA\111604\P53983.D
Acq On : 16 Nov 2004 16:40
Sample : 150C UG/L 8270 ICAL STD NO 1281-1-7
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:23 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration



Data File : V:\DATA\111604\P53984.D Vial: 0
Acq On : 16 Nov 2004 17:11 Operator: CLZ
Sample : 2000 UG/L 8270 ICAL STD NO 1281-1-8 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:23:49 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:23:43 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.42	152	100615	1000.00 ug/L	0.00
21) Naphthalene - d8 (I)	8.00	136	314031	1000.00 ug/L	0.00
37) Acenaphthene - d10 (I)	10.04	162	198281	1000.00 ug/L	0.00
61) Phenanthrene - d10 (I)	11.68	188	333196	1000.00 ug/L	0.00
78) Chrysene - d12 (I)	15.08	240	487596	1000.00 ug/L	0.00
84) Perylene - d12 (I)	18.50	264	478861	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.79	112	175792	1934.17 ug/L	-0.04
7) Phenol - d5 (S)	6.02	99	226728	2063.67 ug/L	0.00
22) Nitrobenzene - d5 (S)	7.16	82	191312	1887.48 ug/L	-0.01
42) 2 - Fluorobiphenyl (S)	9.26	172	347448	2093.90 ug/L	0.00
64) 2,4,6 - Tribromophenol (S)	10.93	330	120195	1848.24 ug/L	0.00
77) p - Terphenyl - d14 (S)	13.47	244	554108	2065.60 ug/L	-0.02
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	3.08	74	643767	12153.42 ug/L	100
3) Pyridine	3.08	79	1291869+	13150.23 ug/L	72
5) Cyclohexanone	5.09	55	55143	1994.20 ug/L	75
6) Aniline	6.07	93	241114	2241.71 ug/L	100
8) Phenol	6.04	94	259135	2096.50 ug/L	75
9) bis(2-Chloroethyl)ether	6.14	63	78980	2058.00 ug/L	100
10) 2-Chlorophenol	6.20	128	199507	1921.20 ug/L	52
11) Decane	6.22	57	101239	1834.17 ug/L	37
12) 1,3-Dichlorobenzene	6.38	146	216067	1939.64 ug/L	72
13) 1,4-Dichlorobenzene	6.44	146	211322	1730.69 ug/L	89
14) Benzyl alcohol	6.64	79	192534	1903.19 ug/L	91
15) 1,2-Dichlorobenzene	6.68	146	208671	1891.97 ug/L	79
16) 2-Methylphenol	6.79	108	150750	1973.23 ug/L	85
17) bis(2-chloroisopropyl)ethe	6.82	121	38641	2008.82 ug/L	100
18) 3-(4-Methylphenol	6.87	108	397699	4548.55 ug/L	76
19) n-Nitroso-di-n-propylamine	7.00	70	148826	1823.37 ug/L	71
20) Hexachloroethane	7.06	166	37479	1775.76 ug/L #	60
23) Nitrobenzene	7.19	77	196332	1973.79 ug/L	42
24) Isophorone	7.46	82	364932	2080.10 ug/L	94
25) 2-Nitrophenol	7.57	139	114860	2039.73 ug/L	89
26) 2,4-Dimethylphenol	7.61	107	191895	1966.35 ug/L	91
27) bis(2-Chloroethoxy)methane	7.73	93	210725	1971.87 ug/L	98
28) Benzoic Acid	7.80	105	945475	13205.76 ug/L	100
29) 2,4-Dichlorophenol	7.84	162	153965	2044.68 ug/L	94
30) 1,2,4-Trichlorobenzene	7.94	180	157220	1935.69 ug/L	95
31) Naphthalene	8.02	128	462906	1885.69 ug/L	97
32) 4-Chloroaniline	8.11	127	221422	2369.60 ug/L	95
33) Hexachlorobutadiene	8.22	225	121644	1774.63 ug/L	96
34) 4-Chloro-3-methylphenol	8.66	107	224387	2212.64 ug/L	97
35) 2-Methylnaphthalene	8.82	141	322474	2065.34 ug/L	100
36) 1-Methylnaphthalene	8.95	141	310961	2058.77 ug/L	94
38) Hexachlorocyclopentadiene	9.06	237	166616	1824.05 ug/L	71
39) 2,3-Dichloroaniline	9.19	161	277205	2411.06 ug/L	98
40) 2,4,6-Trichlorophenol	9.18	196	109713	1873.41 ug/L	90
41) 2,4,5-Trichlorophenol	9.22	196	119130	2035.95 ug/L	91
43) 2-Chloronaphthalene	9.38	162	371301	2187.78 ug/L	93
44) Biphenyl	9.36	154	388351	2081.64 ug/L	88
45) 2-Nitroaniline	9.54	138	146092	2122.84 ug/L	66

(#) = qualifier out of range (m) = manual integration
P53984.D 111604.M Wed Nov 17 12:26:19 2004 Page 1

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00726

Data File : V:\DATA\111604\P53984.D Vial: 0
Acq On : 16 Nov 2004 17:11 Operator: CLZ
Sample : 2000 UG/L 8270 ICAL STD NO 1281-1-8 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:23:49 2004 Quant Results File: 111604.RES

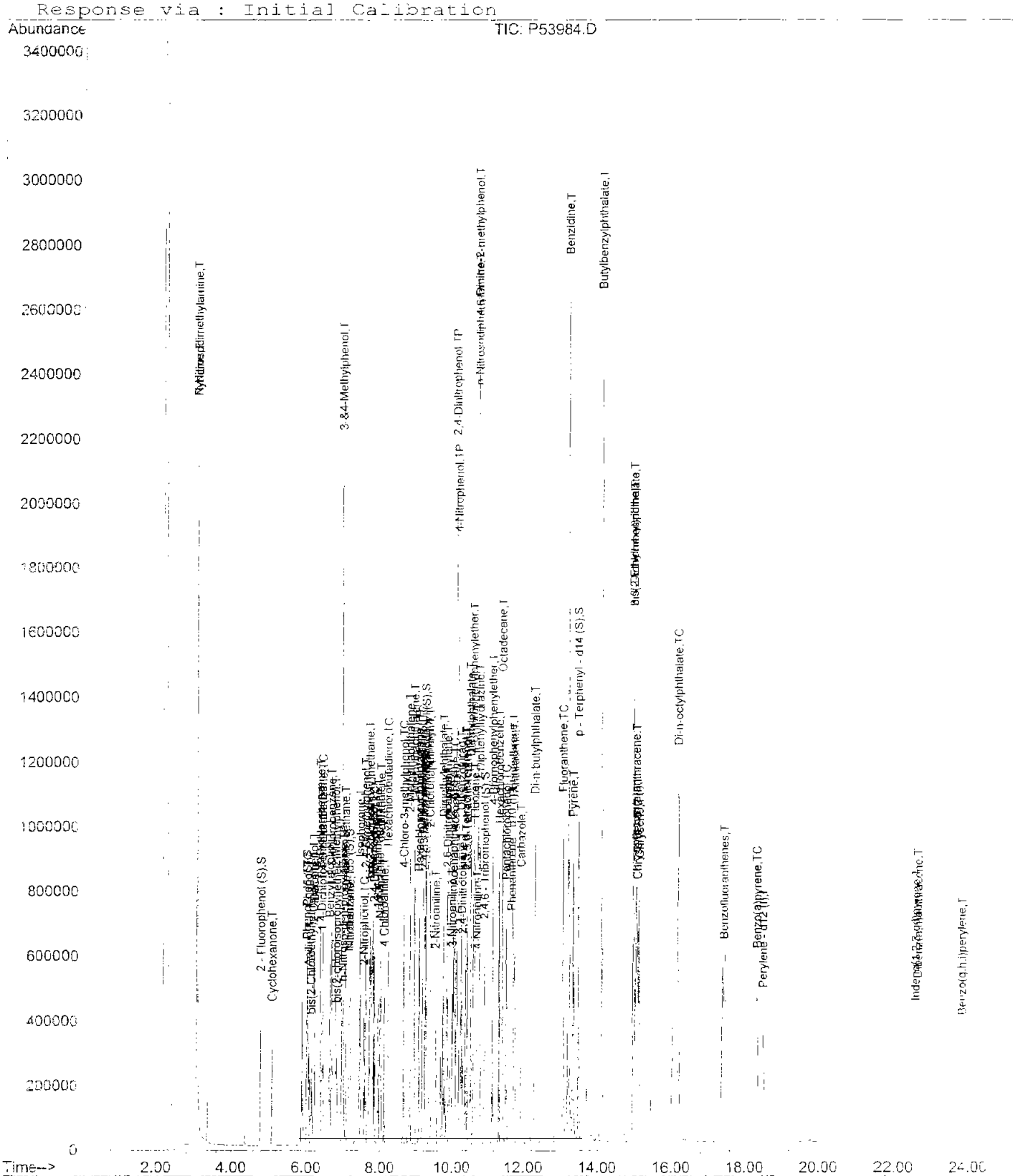
Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:23:43 2004
Response via : Initial Calibration
DataAcq Meth :

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46) Dimethylphthalate	9.75	163	491084	2176.57 ug/L	99
47) Acenaphthylene	9.87	152	530866	2217.15 ug/L	94
48) 2,6-Dinitrotoluene	9.85	165	109502	2043.50 ug/L	72
49) 3-Nitroaniline	10.01	138	126381	2338.71 ug/L	58
50) Acenaphthene	10.08	153	336927	2108.79 ug/L	100
51) 2,4-Dinitrophenol	10.12	184	396854	11742.12 ug/L	84
52) 4-Nitrophenol	10.17	65	222453	12812.76 ug/L #	24
53) Dibenzofuran	10.25	168	460392	2112.55 ug/L	86
54) 2,4-Dinitrotoluene	10.29	165	170929	1946.43 ug/L	84
55) 2,3,4,6-Tetrachlorophenol	10.38	232	128382	1948.06 ug/L	92
56) 2,3,5,6-Tetrachlorophenol	10.43	232	138105	2068.62 ug/L	88
57) Diethylphthalate	10.53	149	361092	1885.94 ug/L #	1
58) Fluorene	10.64	166	351114	2302.99 ug/L	90
59) 4-Chlorophenylphenylether	10.61	204	284821	1987.09 ug/L	95
60) 4-Nitroaniline	10.71	138	127213	1964.45 ug/L	82
62) 4,6-Dinitro-2-methylphenol	10.74	198	794944	[illegible] ug/L	78
63) n-Nitrosodiphenylamine	10.75	169	464350	2751.39 ug/L #	1
65) 1,2-Diphenylhydrazine	10.79	182	192764	2006.81 ug/L #	12
66) 4-Bromophenylphenylether	11.16	248	195135	1786.54 ug/L #	70
67) Hexachlorobenzene	11.34	284	162504	1882.66 ug/L	84
68) Pentachlorophenol	11.53	266	121871	1954.16 ug/L	96
69) Phenanthrene	11.71	178	516662	1975.78 ug/L	78
70) Anthracene	11.76	178	550245	2267.22 ug/L	89
71) Octadecane	11.43	57	153343	1753.86 ug/L	91
72) Carbazole	11.93	167	468161	1990.18 ug/L	81
73) Di-n-butylphthalate	12.30	149	564768	1587.19 ug/L	89
74) Fluoranthene	13.05	202	597994	2009.79 ug/L	98
75) Pyrene	13.33	202	601975	2091.72 ug/L	93
76) Benzidine	13.20	184	2191399	12706.32 ug/L	100
79) Butylbenzylphthalate	14.11	149	356259	1525.35 ug/L	68
80) Benzo(a)anthracene	15.05	228	689212	1931.72 ug/L	90
81) 3,3'-Dichlorobenzidine	14.99	252	472958-	1703.80 ug/L	74
82) Chrysene	15.13	228	597392	1960.81 ug/L	92
83) bis(2-Ethylhexyl)phthalate	14.97	149	644224	1626.10 ug/L	87
85) Di-n-octylphthalate	16.18	149	1063974	1697.09 ug/L	93
86) Benzofluoranthenes	17.43	252	1498535	4133.58 ug/L	94
87) Benzo(a)pyrene	18.33	252	695675	2077.77 ug/L	100
88) Indeno(1,2,3-cd)pyrene	22.58	276	918741	1953.61 ug/L	100
89) Dibenz(a,h)anthracene	22.65	278	741096	1946.88 ug/L	100
90) Benzo(g,h,i)perylene	23.83	276	718617	1922.14 ug/L	100

= qualifier out of range (m) = manual integration - = signals summed

Data File : V:\DATA\111604\P53984.D Vial: 0
Acq On : 16 Nov 2004 17:11 Operator: CLZ
Sample : 2000 UG/L 8270 ICAL STD NO 1281-1-8 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:23 2004 Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration



Data File : V:\DATA\111604\P53985.D Vial: 0
Acq On : 16 Nov 2004 17:42 Operator: CLZ
Sample : 2500 UG/L 8270 ICAL STD NO 1281-1-9 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:24:12 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:24:06 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.42	152	95184	1000.00 ug/L	0.00
21) Naphthalene - d8 (I)	7.99	136	304433	1000.00 ug/L	0.00
37) Acenaphthene - d10 (I)	10.04	162	205344	1000.00 ug/L	0.00
61) Phenanthrene - d10 (I)	11.68	188	344432	1000.00 ug/L	0.00
78) Chrysene - d12 (I)	15.07	240	466825	1000.00 ug/L	-0.01
84) Perylene - d12 (I)	18.49	264	476323	1000.00 ug/L	-0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.79	112	212075	2500.11 ug/L	-0.04
7) Phenol - d5 (S)	6.02	99	266459	2599.40 ug/L	0.00
12) Nitrobenzene - d5 (S)	7.16	82	231606	2401.32 ug/L	-0.01
42) 2 - Fluorobiphenyl (S)	9.25	172	426036	2537.55 ug/L	0.00
64) 2,4,6 - Tribromophenol (S)	10.93	330	143524	2184.08 ug/L	0.00
77) p - Terphenyl - d14 (S)	13.47	244	684957	2620.30 ug/L	-0.07
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	3.08	74	802915	16347.89 ug/L	100
3) Pyridine	3.08	79	1450527+	15765.31 ug/L	65
5) Cyclohexanone	5.08	55	64049	2447.74 ug/L	75
6) Aniline	6.07	93	287639	2879.38 ug/L	100
8) Phenol	6.04	94	333744	2896.62 ug/L	84
9) bis(2-Chloroethyl)ether	6.14	63	92524	2576.53 ug/L	100
10) 2-Chlorophenol	6.20	128	251425	2617.13 ug/L	81
11) Decane	6.21	57	127147	2526.09 ug/L #	32
12) 1,3-Dichlorobenzene	6.37	146	262759	2551.76 ug/L	73
13) 1,4-Dichlorobenzene	6.44	146	254742	2255.68 ug/L	88
14) Benzyl alcohol	6.63	79	247113	2632.97 ug/L	88
15) 1,2-Dichlorobenzene	6.68	146	259375	2522.18 ug/L	82
16) 2-Methylphenol	6.79	108	193030	2718.41 ug/L	84
17) bis(2-chloroisopropyl)ethe	6.82	121	40519	2297.92 ug/L	100
18) 3-&4-Methylphenol	6.97	108	514893	6262.17 ug/L	72
19) n-Nitroso-di-n-propylamine	7.00	70	182363	2411.18 ug/L	72
20) Hexachloroethane	7.06	166	46717	2389.52 ug/L #	64
23) Nitrobenzene	7.18	77	223537	2365.62 ug/L	40
24) Isophorone	7.46	82	444137	2677.06 ug/L	96
25) 2-Nitrophenol	7.57	139	144793	2723.61 ug/L	97
26) 2,4-Dimethylphenol	7.60	107	240910	2628.68 ug/L	93
27) bis(2-Chloroethoxy)methane	7.72	93	272075	2726.07 ug/L	99
28) Benzoic Acid	7.81	105	1190217	17174.18 ug/L	100
29) 2,4-Dichlorophenol	7.84	162	200985	2833.18 ug/L	95
30) 1,2,4-Trichlorobenzene	7.94	180	187313	2467.23 ug/L	98
31) Naphthalene	8.02	128	580401	2490.99 ug/L	96
32) 4-Chloroaniline	8.11	127	272345	3080.48 ug/L	97
33) Hexachlorobutadiene	8.22	225	150137	2375.22 ug/L	96
34) 4-Chloro-3-methylphenol	8.65	107	265986	2790.24 ug/L	99
35) 2-Methylnaphthalene	8.82	141	395932	2660.60 ug/L	100
36) 1-Methylnaphthalene	8.95	141	407629	2848.87 ug/L	94
38) Hexachlorocyclopentadiene	9.07	237	210270	2293.51 ug/L	71
39) 2,6-Dichloroaniline	9.19	161	365492	3164.85 ug/L	98
40) 2,4,6-Trichlorophenol	9.17	196	145654	2524.75 ug/L	84
41) 2,4,5-Trichlorophenol	9.21	196	152742	2597.12 ug/L	98
43) 2-Chloronaphthalene	9.38	162	443256	2560.56 ug/L	95
44) Biphenyl	9.36	154	512920	2715.07 ug/L	86
45) 2-Nitroaniline	9.54	138	178012	2565.12 ug/L	84

(#) = qualifier out of range (m) = manual integration

Data File : V:\DATA\111604\P53985.D Vial: 0
Acq On : 16 Nov 2004 17:42 Operator: CLZ
Sample : 2500 UG/L 8270 ICAL STD NO 1281-1-9 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:24:12 2004 Quant Results File: 111604.RES

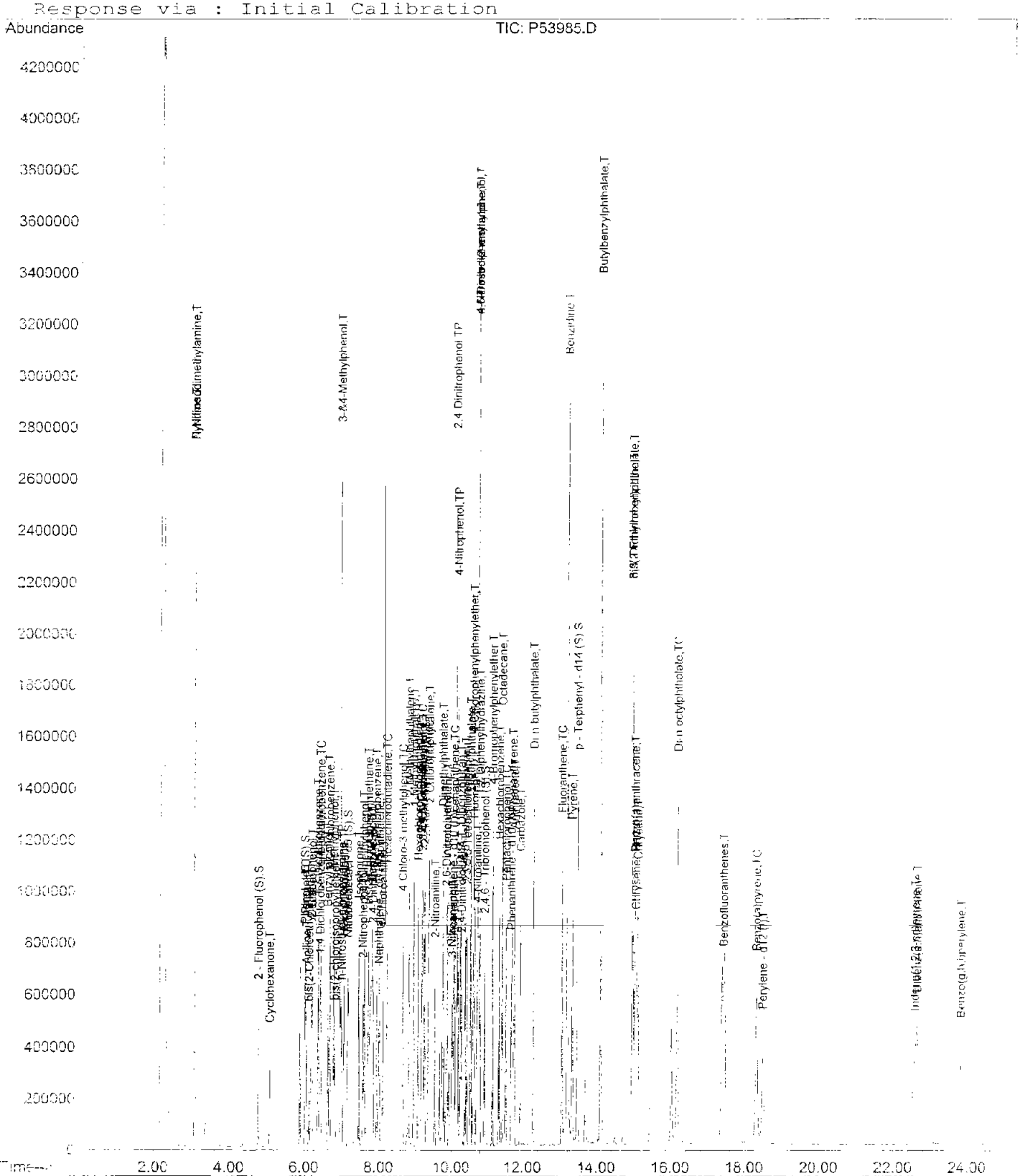
Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:24:06 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	Dimethylphthalate	9.75	163	556478	2388.86 ug/L	96
47)	Acenaphthylene	9.87	152	610881	2487.31 ug/L	93
48)	2,6-Dinitrotoluene	9.84	165	137709	2535.75 ug/L	75
49)	3-Nitroaniline	10.01	138	149838	2723.98 ug/L	58
50)	Acenaphthene	10.07	153	396874	2439.17 ug/L	100
51)	2,4-Dinitrophenol	10.12	184	459953	13580.32 ug/L	87
52)	4-Nitrophenol	10.17	65	264690	15328.40 ug/L #	16
53)	Dibenzofuran	10.25	168	573087	2579.87 ug/L	86
54)	2,4-Dinitrotoluene	10.28	165	214240	2467.42 ug/L	84
55)	2,3,4,6-Tetrachlorophenol	10.38	232	185395	2820.45 ug/L	92
56)	2,3,5,6-Tetrachlorophenol	10.43	232	162781	2437.68 ul/l	91
57)	Diethylphthalate	10.53	149	392638	2009.28 ug/L #	1
58)	Fluorene	10.63	166	432568	2785.44 ug/L	91
59)	4-Chlorophenylphenylether	10.61	204	341387	2381.24 ug/L	99
60)	4-Nitroaniline	10.71	138	163648	2997.34 ug/L	85
62)	4,6-Dinitro-2-methylphenol	10.74	198	992309	14564.38 ug/L	77
63)	n-Nitrosodiphenylamine	10.75	169	652173	3778.81 ug/L #	1
65)	1,2-Diphenylhydrazine	10.79	182	251294	2679.48 ug/L #	11
66)	4-Bromophenylphenylether	11.15	248	247749	2277.30 ug/L #	73
67)	Hexachlorobenzene	11.34	284	198350	2279.51 ug/L	84
68)	Pentachlorophenol	11.53	266	157736	2534.80 ug/L	91
69)	Phenanthrene	11.71	178	645679	2429.32 ug/L	51
70)	Anthracene	11.76	178	639448	2569.02 ug/L	90
71)	Octadecane	11.42	57	231910	2693.76 ug/L	89
72)	Carbazole	11.93	167	584584	2462.75 ug/L	85
73)	Di-n-butylphthalate	12.29	149	657731	1839.07 ug/L	90
74)	Fluoranthene	13.05	202	732593	2402.56 ug/L	96
75)	Pyrene	13.33	202	697170	2363.08 ug/L	90
76)	Benzidine	13.20	184	2616075	14556.26 ug/L	100
79)	Butylbenzylphthalate	14.11	149	392167	1819.77 ug/L	60
80)	Benzo(a)anthracene	15.04	228	831507	2484.16 ug/L	90
81)	3,3'-Dichlorobenzidine	14.98	252	620771+	2448.04 ug/L	75
82)	Chrysene	15.12	228	744076	2609.37 ug/L	91
83)	bis(2-Ethylhexyl)phthalate	14.97	149	717335	1987.45 ug/L	85
85)	Di-n-octylphthalate	16.18	149	1307259	2175.17 ug/L	94
86)	Benzofluoranthenes	17.42	252	1798671	5095.99 ug/L	91
87)	Benzo(a)pyrene	18.32	252	856138	2616.83 ug/L	100
88)	Indeno(1,2,3-cd)pyrene	22.56	276	1061537	2449.99 ug/L	100
89)	Dibenz(a,h)anthracene	22.64	278	941920	2611.37 ug/L	100
90)	Benzo(g,h,i)perylene	23.82	276	906429	2586.84 ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : V:\DATA\111604\P53985.D Vial: 0
Acq On : 16 Nov 2004 17:42 Operator: CLZ
Sample : 2500 UG/L 8270 ICAL STD NO 1281-1-9 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:24 2004 Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration



Data File : V:\DATA\111604\P53986.D Vial: 0
Acq On : 16 Nov 2004 18:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:26:35 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.42	152	81665	1000.00	ug/L	0.00
21) Naphthalene - d8 (I)	7.99	136	296157	1000.00	ug/L	-0.01
37) Acenaphthene - d10 (I)	10.03	162	179844	1000.00	ug/L	0.00
61) Phenanthrene - d10 (I)	11.68	188	260786	1000.00	ug/L	0.00
78) Chrysene - d12 (I)	15.06	240	388284	1000.00	ul/l	-0.02
84) Perylene - d12 (I)	18.48	264	404937	1000.00	ug/L	-0.02
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.76	112	107	1.49	ug/L	-0.07
7) Phenol - d5 (S)	6.02	99	124	1.43	ug/L	0.00
22) Nitrobenzene - d5 (S)	7.15	82	135	1.46	ug/L	-0.02
42) 2 - Fluorobiphenyl (S)	9.25	172	126	0.88	ug/L	0.00
54) 2,4,6 - Tribromophenol (S)	0.00	330	0	0.00	ug/L	
77) p - Terphenyl - d14 (S)	13.46	244	273	1.34	ug/L	-0.03
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.07	74	158685	3802.41	ug/L	100
3) Pyridine	3.09	79	521683+	5637.95	ug/L	96
5) Cyclohexanone	5.09	55	12955	594.84	ug/L	79
6) Aniline	6.06	93	110898	1296.68	ug/L	100
8) Phenol	6.03	94	97189	987.51	ug/L	57
9) bis(2-Chloroethyl)ether	6.14	63	32688	1078.79	ug/L	100
10) 2-Chlorophenol	6.19	128	85285	1037.97	ug/L	54
11) Decane	6.21	57	39662	944.60	ug/L	45
12) 1,3-Dichlorobenzene	6.37	146	92496	1061.90	ug/L	68
13) 1,4-Dichlorobenzene	6.44	146	107590	1138.40	ug/L	95
14) Benzyl alcohol	6.63	79	91777	1161.05	ug/L	95
15) 1,2-Dichlorobenzene	6.68	146	90791	1049.11	ug/L	72
16) 2-Methylphenol	6.78	108	67685	1134.76	ug/L	84
17) bis(2-chloroisopropyl)ethe	6.82	121	15933	1104.32	ug/L	100
18) 3-&4-Methylphenol	6.96	108	73320	1039.33	ug/L	82
19) n-Nitroso-di-n-propylamine	6.99	70	66636	1045.05	ug/L	73
20) Hexachloroethane	7.05	166	16637	1018.32	ug/L #	61
23) Nitrobenzene	7.18	77	85822	960.28	ug/L	42
24) Isophorone	7.45	82	158004	981.62	ug/L	94
25) 2-Nitrophenol	7.57	139	50005	999.37	ug/L	94
26) 2,4-Dimethylphenol	7.60	107	103487	1186.62	ug/L	96
27) bis(2-Chloroethoxy)methane	7.72	93	110367	1192.72	ug/L	98
28) Benzoic Acid	7.73	105	234138	3601.74	ug/L	100
29) 2,4-Dichlorophenol	7.83	162	69827	1073.74	ug/L	92
30) 1,2,4-Trichlorobenzene	7.94	180	70540	998.03	ug/L	93
31) Naphthalene	8.01	128	232978	1036.06	ug/L	96
32) 4-Chloroaniline	8.11	127	96003	1147.13	ug/L	98
33) Hexachlorobutadiene	8.21	225	60136	1020.61	ug/L	97
34) 4-Chloro-3-methylphenol	8.65	107	94226	1045.44	ug/L	98
35) 2-Methylnaphthalene	8.82	141	145821	1012.84	ug/L	100
36) 1-Methylnaphthalene	8.94	141	144329	1045.18	ul/l	93
38) Hexachlorocyclopentadiene	9.07	237	67877	863.08	ug/L	74
39) 2,3-Dichloroaniline	9.19	161	91626	945.65	ug/L	99
40) 2,4,6-Trichlorophenol	9.17	196	51603	1049.89	ug/L	84
41) 2,4,5-Trichlorophenol	9.21	196	51992	1042.05	ug/L	90
43) 2-Chloronaphthalene	9.38	162	156554	1045.53	ug/L	91
44) Biphenyl	9.35	154	163166	999.67	ug/L	85
45) 2-Nitroaniline	9.53	138	58360	1005.87	ug/L	91

(#) = qualifier out of range (m) = manual integration

Data File : V:\DATA\111604\P53986.D Vial: 0
Acq On : 16 Nov 2004 18:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:26:35 2004 Quant Results File: 111604.RES

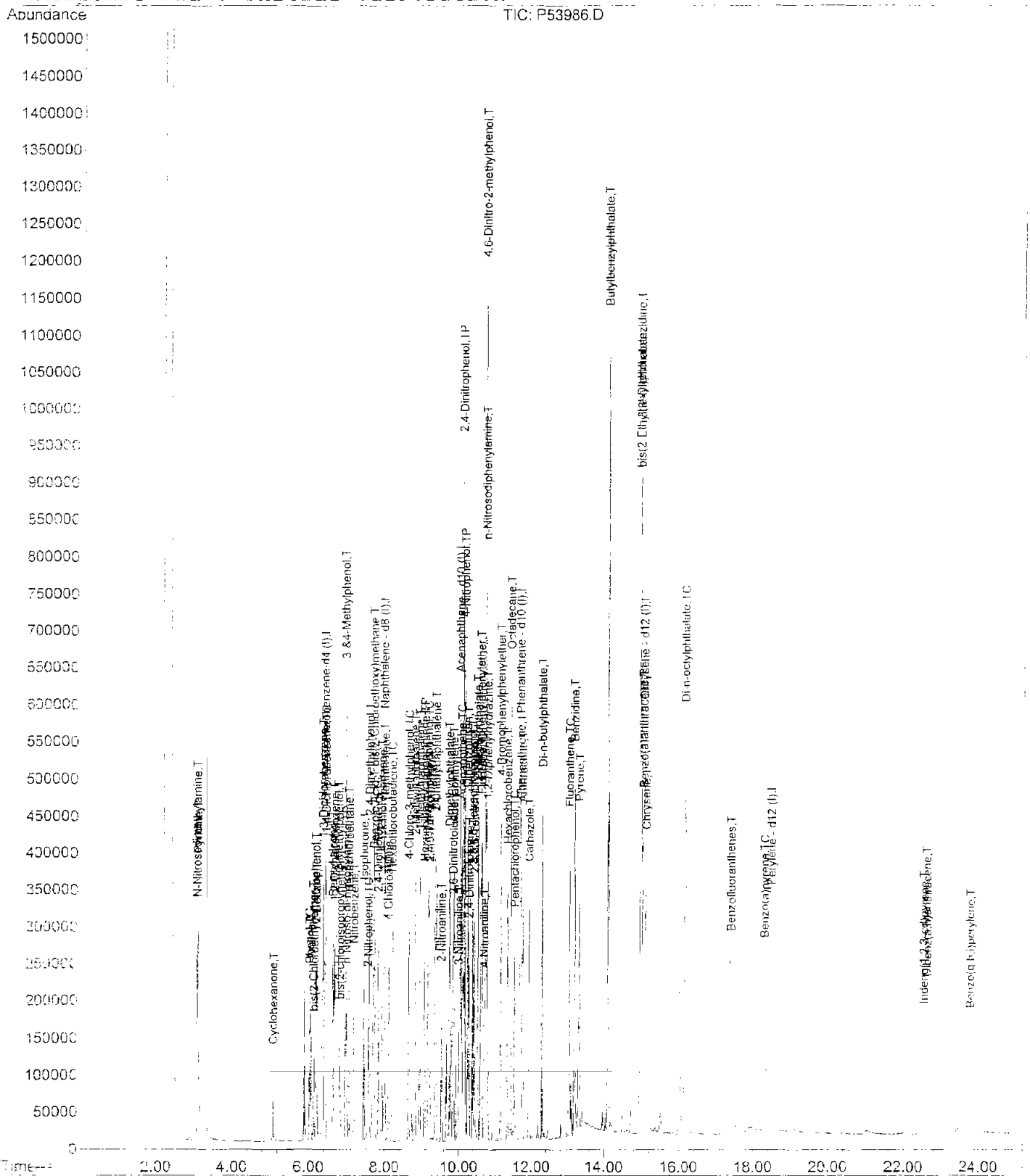
Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dimethylphthalate	9.74	163	207880	1026.16	ug/L		98
47)	Acenaphthylene	9.86	152	213814	1007.97	ug/L		99
48)	2,6-Dinitrotoluene	9.84	165	47306	1020.55	ug/L		66
49)	3-Nitroaniline	10.00	138	46717	996.93	ug/L		66
50)	Acenaphthene	10.07	153	143789	1021.67	ug/L		100
51)	2,4-Dinitrophenol	10.11	184	173679	5997.33	ug/L		77
52)	4-Nitrophenol	10.16	65	76217	5039.61	ug/L		66
53)	Dibenzofuran	10.24	168	202604	1056.10	ug/L		89
54)	2,4-Dinitrotoluene	10.28	165	70811	958.67	ug/L		97
55)	2,3,4,6-Tetrachlorophenol	10.37	232	63022	1129.75	ug/L		93
56)	2,3,5,6-Tetrachlorophenol	10.42	232	55731	1003.64	ug/L		90
57)	Diethylphthalate	10.52	149	167065	991.26	ug/L		54
58)	Fluorene	10.63	166	144520	1078.90	ug/L		85
59)	4-Chlorophenylphenylether	10.60	204	127163	1051.94	ug/L		99
60)	4-Nitroaniline	10.69	138	45224	1003.62	ug/L		99
62)	4,6-Dinitro-2-methylphenol	10.73	198	330010	6504.66	ug/L		80
63)	n-Nitrosodiphenylamine	10.74	169	159518	1249.69	ug/L	#	1
65)	1,2-Diphenylhydrazine	10.78	182	69201	1087.00	ug/L	#	1
66)	4-Bromophenylphenylether	11.15	248	84774	1084.64	ug/L	#	71
67)	Hexachlorobenzene	11.33	284	67809	1066.75	ug/L		84
68)	Pentachlorophenol	11.52	266	47417	1033.39	ug/L		91
69)	Phenanthrene	11.70	178	210052	1071.03	ug/L		75
70)	Anthracene	11.75	178	196333	1060.59	ug/L		94
71)	Octadecane	11.42	57	63359	1014.88	ug/L		96
72)	Carbazole	11.93	167	185912	1056.41	ug/L		60
73)	Di-n-butylphthalate	12.29	149	300722	1139.58	ug/L		92
74)	Fluoranthene	13.04	202	263013	1143.64	ug/L		97
75)	Pyrene	13.32	202	253034	1143.05	ug/L		99
76)	Benzidine	13.18	184	350320	2542.99	ug/L		100
79)	Butylbenzylphthalate	14.10	149	191654	1116.48	ug/L		90
80)	Benzo(a)anthracene	15.03	228	282479	1027.72	ug/L		95
81)	3,3'-Dichlorobenzidine	14.98	252	555280-	2689.83	ug/L		77
82)	Chrysene	15.11	228	201176	1109.34	ug/L		91
83)	Bis(2-Ethylhexyl)phthalate	14.96	149	299759	1023.27	ug/L		84
85)	Di-n-octylphthalate	16.17	149	539753	1084.13	ug/L		96
86)	Benzofluoranthenes	17.41	252	663299	2243.69	ug/L		91
87)	Benzo(a)pyrene	18.30	252	296763	1087.49	ug/L		100
88)	Indeno(1,2,3-cd)pyrene	22.52	276	395785	1109.59	ug/L		100
89)	Dibenz(a,h)anthracene	22.61	278	328941	1095.99	ug/L		100
90)	Benzo(g,h,i)perylene	23.77	276	319082	1096.45	ug/L		100

= Qualifier out of range (m) = manual integration (+) = signals summed

Data File : V:\DATA\111604\P53986.D Vial: 0
Acq On : 16 Nov 2004 18:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:26 2004 Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Initial Calibration



Data File : V:\DATA\111604\P53986.D Vial: 0
Acq On : 16 Nov 2004 18:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS SID NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	87	0.00
2	T	N-Nitrosodimethylamine	5000.000	3802.412	24.0#	78	-0.01
3	T	Pyridine	5000.000	5637.950	-12.8	88	0.00
4	S	2 - Fluorophenol (S)	1000.000	1.489	99.9#	0	-0.07
5	T	Cyclohexanone	1000.000	594.837	40.5#	59	-0.01
6	T	Aniline	1000.000	1296.681	-29.7#	106	0.00
7	S	Phenol - d5 (S)	1000.000	1.433	99.9#	0	0.00
8	TC	Phenol	1000.000	987.512	1.2	85	0.00
9	T	bis(2-Chloroethyl)ether	1000.000	1078.791	-7.9	104	0.00
10	T	2-Chlorophenol	1000.000	1037.971	-3.8	89	0.00
11	T	Decane	1000.000	944.600	5.5	80	-0.01
12	T	1,3-Dichlorobenzene	1000.000	1081.899	-8.2	90	0.00
13	TC	1,4-Dichlorobenzene	1000.000	1138.397	-13.8	102	0.00
14	T	Benzyl alcohol	1000.000	1161.053	-16.1	96	0.00
15	T	1,2-Dichlorobenzene	1000.000	1049.106	-4.9	88	0.00
16	T	2-Methylphenol	1000.000	1134.756	-13.5	104	-0.01
17	T	bis(2-chloroisopropyl)ether	1000.000	1104.323	-10.4	90	0.00
18	T	3-&4-Methylphenol	2000.000	1039.331	48.0#	45	0.00
19	TP	n-Nitroso-di-n-propylamine	1000.000	1045.046	-4.5	83	0.00
20	T	Hexachloroethane	1000.000	1018.325	-1.8	86	0.00
21	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	89	-0.01
22	S	Nitrobenzene - d5 (S)	1000.000	1.461	99.9#	0	-0.03
23	T	Nitrobenzene	1000.000	960.279	4.0	91	-0.03
24	T	Isophorone	1000.000	981.618	1.8	91	0.00
25	TC	2-Nitrophenol	1000.000	999.372	0.1	88	-0.02
26	T	2,4-Dimethylphenol	1000.000	1186.621	-18.7	108	-0.03
27	T	bis(2-Chloroethoxy)methane	1000.000	1192.717	-19.3	104	-0.01
28	T	Benzoic Acid	5000.000	3601.744	28.0#	58	-0.04
29	TC	2,4-Dichlorophenol	1000.000	1073.735	-7.4	96	-0.04
30	T	1,2,4-Trichlorobenzene	1000.000	998.029	0.2	90	-0.03
31	T	Naphthalene	1000.000	1036.061	-3.6	93	-0.03
32	T	4-Chloroaniline	1000.000	1147.134	-14.7	99	-0.03
33	TC	Hexachlorobutadiene	1000.000	1020.607	-2.1	88	-0.04
34	TC	4-Chloro-3-methylphenol	1000.000	1045.440	-4.5	88	-0.03
35	T	2-Methylnaphthalene	1000.000	1012.840	-1.3	93	-0.02
36	T	1-Methylnaphthalene	1000.000	1045.177	-4.5	93	-0.04
37	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	84	0.00
38	TP	Hexachlorocyclopentadiene	1000.000	863.078	13.7	80	-0.05
39	T	2,3-Dichloroaniline	1000.000	945.647	5.4	84	0.00
40	TC	2,4,6-Trichlorophenol	1000.000	1049.895	-5.0	90	0.00
41	T	2,4,5-Trichlorophenol	1000.000	1042.052	-4.2	88	-0.01
42	S	2 - Fluorobiphenyl (S)	1000.000	0.878	99.9#	0	0.00
43	T	2-Chloronaphthalene	1000.000	1045.629	-4.6	91	0.01
44	T	Biphenyl	1000.000	999.674	0.0	88	0.00
45	T	2-Nitroaniline	1000.000	1005.868	-0.6	85	-0.01
46	T	Dimethylphthalate	1000.000	1026.161	-2.6	81	-0.03
47	T	Acenaphthylene	1000.000	1007.971	-0.8	83	0.00
48	T	2,6-Dinitrotoluene	1000.000	1020.546	-2.1	87	-0.03
49	T	3-Nitroaniline	1000.000	996.927	0.3	76	-0.01
50	TC	Acenaphthene	1000.000	1021.673	-2.2	90	0.00
51	TP	2,4-Dinitrophenol	5000.000	5997.330	-19.9	91	-0.04

(#) = Out of Range

Data File : V:\DATA\111604\P53986.D Vial: 0
Acq On : 16 Nov 2004 18:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	TP	4-Nitrophenol	5000.000	5039.612	-0.8	74	-0.05
53	T	Dibenzofuran	1000.000	1056.098	-5.6	89	-0.02
54	T	2,4-Dinitrotoluene	1000.000	958.668	4.1	77	-0.02
55	T	2,3,4,6-Tetrachlorophenol	1000.000	1129.748	-13.0	87	-0.02
56	T	2,3,5,6-Tetrachlorophenol	1000.000	1003.638	-0.4	83	-0.02
57	T	Diethylphthalate	1000.000	991.260	0.9	82	-0.02
58	T	Fluorene	1000.000	1078.902	-7.9	86	-0.02
59	T	4-Chlorophenylphenylether	1000.000	1051.943	-5.2	89	-0.02
60	T	4-Nitroaniline	1000.000	1003.621	-0.4	81	0.00
61	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	75	0.00
62	T	4,6-Dinitro-2-methylphenol	5000.000	6504.655	-30.1#	89	0.00
63	T	n-Nitrosodiphenylamine	1000.000	1249.689	-25.0#	92	-0.01
64	S	2,4,6 - Tribromophenol (S)	1000.000	0.000	100.0#	0	-10.92#
65	T	1,2-Diphenylhydrazine	1000.000	1086.997	-8.7	79	0.00
66	T	4-Bromophenylphenylether	1000.000	1084.641	-8.5	88	0.00
67	T	Hexachlorobenzene	1000.000	1066.751	-6.7	83	-0.01
68	TC	Pentachlorophenol	1000.000	1033.385	-3.3	77	-0.02
69	T	Phenanthrene	1000.000	1071.035	-7.1	77	-0.01
70	T	Anthracene	1000.000	1060.592	-6.1	78	-0.02
71	T	Octadecane	1000.000	1014.879	-1.5	74	0.00
72	T	Carbazole	1000.000	1056.411	-5.6	78	0.00
73	T	Di-n-butylphthalate	1000.000	1139.582	-14.0	88	0.00
74	TC	Fluoranthene	1000.000	1143.643	-14.4	82	-0.01
75	T	Pyrene	1000.000	1143.046	-14.3	85	0.00
76	T	Benzidine	5000.000	2542.993	49.1#	33	-0.01
77	S	p - Terphenyl - d14 (S)	1000.000	1.340	99.9#	0	-0.03
78	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	80	-0.02
79	T	Butylbenzylphthalate	1000.000	1116.483	-11.6	90	0.00
80	T	Benzo(a)anthracene	1000.000	1027.722	-2.8	82	0.02
81	T	3,3'-Dichlorobenzidine	1000.000	2689.832	-169.0#	206	0.00
82	T	Chrysene	1000.000	1109.336	-10.9	86	0.02
83	T	bis(2-Ethylhexyl)phthalate	1000.000	1023.269	-2.3	85	-0.05
84	I	Perylene - d12 (I)	1000.000	1000.000	0.0	81	-0.02
85	TC	Di-n-octylphthalate	1000.000	1084.129	-8.4	87	0.00
86	T	Benzofluoranthenes	2000.000	2243.689	-12.2	85	0.03
87	TC	Benzo(a)pyrene	1000.000	1087.494	-8.7	84	0.00
88	T	Indeno(1,2,3-cd)pyrene	1000.000	1109.594	-11.0	85	0.00
89	T	Dibenz(a,h)anthracene	1000.000	1095.990	-9.6	86	0.02
90	T	Benzo(g,h,i)perylene	1000.000	1096.451	-9.6	85	-0.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0
P53986.D 111604.M Wed Nov 17 12:26:57 2004 Page 2

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Data File : V:\DATA\111604\P53986.D Vial: 0
Acq On : 16 Nov 2004 18:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	87	0.00
2	T	N-Nitrosodimethylamine	0.511	0.389#	23.9#	78	-0.01
3	T	Pyridine	1.133	1.278#	-12.8	88	0.00
4	S	2 - Fluorophenol (S)	0.880	0.001#	99.9#	0#	-0.07
5	T	Cyclohexanone	0.267	0.159#	40.4#	59	-0.01
6	T	Aniline	1.047	1.358#	-29.7#	106	0.00
7	S	Phenol - d5 (S)	1.060	0.002#	99.8#	0#	0.00
8	TC	Phenol	1.205	1.190#	1.2	85	0.00
9	T	bis(2-Chloroethyl)ether	0.371	0.400#	-7.8	104	0.00
10	T	2-Chlorophenol	1.006	1.044#	-3.8	89	0.00
11	T	Decane	0.514	0.486#	5.4	80	-0.01
12	T	1,3-Dichlorobenzene	1.067	1.133#	-6.2	90	0.00
13	TC	1,4-Dichlorobenzene	1.157	1.317#	-13.8	102	0.00
14	T	Benzyl alcohol	0.968	1.124#	-16.1	96	0.00
15	T	1,2-Dichlorobenzene	1.060	1.112#	-4.9	88	0.00
16	T	2-Methylphenol	0.730	0.829#	-13.6	104	-0.01
17	T	bis(2-chloroisopropyl)ether	0.177	0.195#	-10.2	90	0.00
18	T	3-&4-Methylphenol	0.864	0.449#	48.0#	45#	0.00
19	TP	n-Nitroso-di-n-propylamine	0.781	0.816	-4.5	83	0.00
20	T	Hexachloroethane	0.200	0.204#	-2.0	86	0.00
21	I	Naphthalene - d8 (I)	1.000	1.000	0.0	89	-0.01
22	S	Nitrobenzene - d5 (S)	0.312	0.000#	100.0#	0#	-0.02
23	T	Nitrobenzene	0.302	0.290#	4.0	91	-0.03
24	T	Isophorone	0.544	0.534#	1.8	91	0.00
25	TC	2-Nitrophenol	0.169	0.169#	0.0	88	-0.02
26	T	2,4-Dimethylphenol	0.294	0.349#	-18.7	108	-0.03
27	T	bis(2-Chloroethoxy)methane	0.312	0.373#	-19.6	104	-0.01
28	T	Benzoic Acid	0.220	0.158#	28.2#	58	-0.04
29	TC	2,4-Dichlorophenol	0.220	0.236#	-7.3	96	-0.04
30	T	1,2,4-Trichlorobenzene	0.239	0.238#	0.4	90	-0.03
31	T	Naphthalene	0.759	0.787#	-3.7	95	-0.03
32	T	4-Chloroaniline	0.283	0.324#	-14.5	89	-0.03
33	TC	Hexachlorobutadiene	0.199	0.203#	-2.0	88	-0.04
34	TC	4-Chloro-3-methylphenol	0.304	0.318#	-4.6	88	-0.03
35	T	2-Methylnaphthalene	0.486	0.492#	-1.2	95	-0.02
36	T	1-Methylnaphthalene	0.466	0.487#	-4.5	95	-0.04
37	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	84	0.00
38	TP	Hexachlorocyclopentadiene	0.437	0.377	13.7	80	-0.05
39	T	2,3-Dichloroaniline	0.539	0.509#	5.6	84	0.00
40	TC	2,4,6-Trichlorophenol	0.273	0.287#	-5.1	90	0.00
41	T	2,4,5-Trichlorophenol	0.277	0.289#	-4.3	88	-0.01
42	S	2 - Fluorobiphenyl (S)	0.798	0.001#	99.9#	0#	0.00
43	T	2-Chloronaphthalene	0.833	0.870#	-4.4	91	0.03
44	T	Biphenyl	0.908	0.907#	0.1	88	0.00
45	T	2-Nitroaniline	0.323	0.325#	-0.6	85	-0.01
46	T	Dimethylphthalate	1.126	1.156#	-2.7	81	-0.03
47	T	Acenaphthylene	1.179	1.189#	-0.8	83	0.00
48	T	2,6-Dinitrotoluene	0.258	0.263#	-1.9	87	-0.03
49	T	3-Nitroaniline	0.261	0.260#	0.4	76	-0.01
50	TC	Acenaphthene	0.783	0.800#	-2.2	90	0.00
51	TP	2,4-Dinitrophenol	0.161	0.193	-19.9	91	-0.04

(#) = Out of Range

Data File : V:\DATA\111604\P53986.D Vial: 0
Acq On : 16 Nov 2004 18:44 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NC 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:25:07 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	TP	4-Nitrophenol	0.084	0.085	-1.2	74	-0.05
53	T	Dibenzofuran	1.067	1.127#	-5.6	89	-0.02
54	T	2,4-Dinitrotoluene	0.411	0.394#	4.1	77	-0.02
55	T	2,3,4,6-Tetrachlorophenol	0.310	0.350#	-12.9	87	-0.02
56	T	2,3,5,6-Tetrachlorophenol	0.309	0.310#	-0.3	83	-0.02
57	T	Diethylphthalate	0.937	0.929#	0.9	82	-0.02
58	T	Fluorene	0.745	0.804#	-7.9	86	-0.02
59	T	4-Chlorophenylphenylether	0.672	0.707#	-5.2	89	-0.02
60	T	4-Nitroaniline	0.251	0.251#	0.0	81	0.00
61	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	75	0.00
62	T	4,6-Dinitro-2-methylphenol	0.193	0.253#	-29.7#	89	0.00
63	T	n-Nitrosodiphenylamine	0.489	0.612#	-25.2#	92	-0.01
64	S	2,4,6 - Tribromophenol (S)	0.184	0.000#	100.0#	0#	-10.92#
65	T	1,2-Diphenylhydrazine	0.244	0.265#	-8.6	79	0.00
66	T	4-Bromophenylphenylether	0.300	0.325#	-8.3	88	0.00
67	T	Hexachlorobenzene	0.244	0.260#	-6.6	83	-0.01
68	TC	Pentachlorophenol	0.176	0.182#	-3.4	[illegible]	-0.01
69	T	Phenanthrene	0.752	0.805#	-7.0	77	-0.01
70	T	Anthracene	0.710	0.753#	-6.1	76	-0.01
71	T	Octadecane	0.239	0.243#	-1.7	74	0.00
72	T	Carbazole	0.675	0.713#	-5.6	78	0.00
73	T	Di-n-butylphthalate	1.012	1.153#	-13.9	88	0.00
74	TC	Fluoranthene	0.882	1.009#	-14.4	82	-0.01
75	T	Pyrene	0.849	0.970#	-14.3	85	0.00
76	T	Benzidine	0.528	0.269#	49.1#	33#	-0.01
77	S	p - Terphenyl - d14 (S)	0.781	0.001#	99.9#	0#	-0.03
78	I	Chrysene - d12 (I)	1.000	1.000	0.0	80	-0.02
79	T	Butylbenzylphthalate	0.442	0.494#	-11.8	90	0.00
80	T	Benzo(a)anthracene	0.708	0.728#	-2.8	82	0.02
81	T	3,3'-Dichlorobenzidine	0.532	1.430#	-168.8#	206#	0.00
82	T	Chrysene	0.606	0.673#	-11.1	86	0.02
83	T	bis(2-Ethylhexyl)phthalate	0.754	0.772#	-2.4	85	-0.05
84	I	Perylene - d12 (I)	1.000	1.000	0.0	81	-0.02
85	TC	Di-n-octylphthalate	1.229	1.333#	-8.5	87	0.00
86	T	Benzofluoranthenes	0.730	0.819#	-12.2	85	0.03
87	TC	Benzo(a)pyrene	0.674	0.733#	-8.8	84	0.00
88	T	Indeno(1,2,3-cd)pyrene	0.881	0.977#	-10.9	85	0.00
89	T	Dibenz(a,h)anthracene	0.741	0.812#	-9.6	86	0.02
90	T	Benzo(g,h,i)perylene	0.719	0.788#	-9.6	85	-0.10

CONTINUING CALIBRATION

Sequence Log

Directory : u:\DATA\113004

#	Filename	Sample Name	Date/Time
1	b03572.d	DFTPP 11/30/04	11/30/04 15:28
2	b03573.d	1000 UG/L 8270 CCAL STD NO 1281-1-6	11/30/04 15:45
3	b03574.d	SW1038 MB #1000 &10 WATER	11/30/04 16:27
4	b03575.d	SW1038 BS #1000 &10 WATER	11/30/04 16:55
5	b03576.d	SW1038 BSD #1000 &10 WATER	11/30/04 17:23
6	b03577.d	125058-1 SW1038 &10 WATER	11/30/04 17:51
7	b03578.d	SW1040 MB #1000 &1.0 WATER	11/30/04 18:19
8	b03579.d	SW1040 BS #1000 &1.0 WATER	11/30/04 18:47
9	b03580.d	SW1040 BSD #1000 &1.0 WATER	11/30/04 19:15
10	b03581.d	125059-6 SW0140 &1.0 WATER	11/30/04 19:43
11	b03582.d	125060-1 SW0140 &1.0 WATER	11/30/04 20:11
12	b03583.d	125060-1 MS SW0140 &1.0 WATER	11/30/04 20:40
13	b03584.d	125060-1 MSD SW0140 &1.0 WATER	11/30/04 21:08
14	b03585.d	125060-2 SW0140 &1.0 WATER	11/30/04 21:36
15	b03586.d	125060-10 SW0140 &1.0 WATER	11/30/04 22:05
16	b03587.d	125060-11 SW0140 &1.0 WATER	11/30/04 22:33

Quantitation Report (Not Reviewed)

Data File : U:\DATA\113004\B03573.D Vial: 0
Acq On : 30 Nov 2004 15:45 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 03 10:05:45 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Dec 03 10:05:42 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.63	152	29911	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.32	136	123031	1000.00 ug/L	0.00
36) Acenaphthene - d10 (I)	10.32	162	79603	1000.00 ug/L	0.00
60) Phenanthrene - d10 (I)	11.90	188	101826	1000.00 ug/L	0.00
77) Chrysene - d12 (I)	14.81	240	171059+	1000.00 ug/L	0.00
83) Perylene - d12 (I)	17.07	264	193701+	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.41	112	28516	902.49 ug/L	0.02
6) Phenol - d5 (S)	6.26	99	38498	1032.31 ug/L	0.01
21) Nitrobenzene - d5 (S)	7.45	82	34238	1010.93 ug/L	-0.02
41) 2 - Fluorobiphenyl (S)	9.59	172	58623	956.45 ug/L	0.00
63) 2,4,6 - Tribromophenol (S)	11.18	330	18153	934.89 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.61	244	93633	1077.38 ug/L	-0.02
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.17	42	42157	4314.52 ug/L	68
3) Pyridine	2.18	79	187850+	4028.81 ug/L	99
5) Aniline	6.22	93	40366	1025.92 ug/L	100
7) Phenol	6.27	94	35808	908.59 ug/L	100
8) bis(2-Chloroethyl)ether	6.35	63	39905	956.90 ug/L	90
9) 2-Chlorophenol	6.38	128	34360	921.50 ug/L	94
10) Decane	6.50	57	19982	1105.94 ug/L	88
11) 1,3-Dichlorobenzene	6.57	146	29291	891.65 ug/L	98
12) 1,4-Dichlorobenzene	6.66	146	31760	895.91 ug/L	89
13) Benzyl alcohol	6.91	79	42189	936.21 ug/L	92
14) 1,2-Dichlorobenzene	6.92	146	28104	976.77 ug/L	75
15) 2-Methylphenol	7.12	108	23259	910.15 ug/L	94
16) bis(2-chloroisopropyl)ethe	7.14	45	42189	1017.04 ug/L	45
17) 3-&4-Methylphenol	7.33	108	58441	2071.72 ug/L #	71
18) n-Nitroso-di-n-propylamine	7.32	70	25063	1047.47 ug/L	95
19) Hexachloroethane	7.34	117	17643	895.02 ug/L	77
22) Nitrobenzene	7.47	77	29107	1002.59 ug/L	76
23) Isophorone	7.79	82	42129	911.19 ug/L	100
24) 2-Nitrophenol	7.89	139	13492	989.50 ug/L	99
25) 2,4-Dimethylphenol	7.99	107	27297	915.61 ug/L	92
26) bis(2-Chloroethoxy)methane	8.10	93	18531	947.79 ug/L #	22
27) Benzoic Acid	8.15	105	78861	4834.80 ug/L	100
28) 2,4-Dichlorophenol	8.19	162	27645	999.19 ug/L	93
29) 1,2,4-Trichlorobenzene	8.28	180	24645	1004.22 ug/L	100
30) Naphthalene	8.34	128	92204	967.49 ug/L	93
31) 4-Chloroaniline	8.46	127	33811	1121.40 ug/L	100
32) Hexachlorobutadiene	8.58	225	18974	1056.71 ug/L	89
33) 4-Chloro-3-methylphenol	9.03	107	54783+	1132.39 ug/L	100
34) 2-Methylnaphthalene	9.15	141	45893	1047.40 ug/L	51
35) 1-Methylnaphthalene	9.27	141	47002	1040.77 ug/L	56
37) Hexachlorocyclopentadiene	9.41	237	21868	586.67 ug/L	94
38) 2,3-Dichloroaniline	9.51	161	37373	1014.69 ug/L	100
39) 2,4,6-Trichlorophenol	9.51	196	13533	878.22 ug/L #	72
40) 2,4,5-Trichlorophenol	9.55	196	20738	1038.29 ug/L	98
42) 2-Chloronaphthalene	9.69	162	46470	1030.35 ug/L	79
43) Biphenyl	9.69	154	76299	943.53 ug/L	90
44) 2-Nitroaniline	9.85	138	16712	1066.32 ug/L	66
45) Dimethylphthalate	10.08	163	73273	985.70 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : U:\DATA\113004\B03573.D Vial: 0
Acq On : 30 Nov 2004 15:45 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 03 10:05:45 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Dec 03 10:05:42 2004
Response via : Initial Calibration
DataAcq Meth :

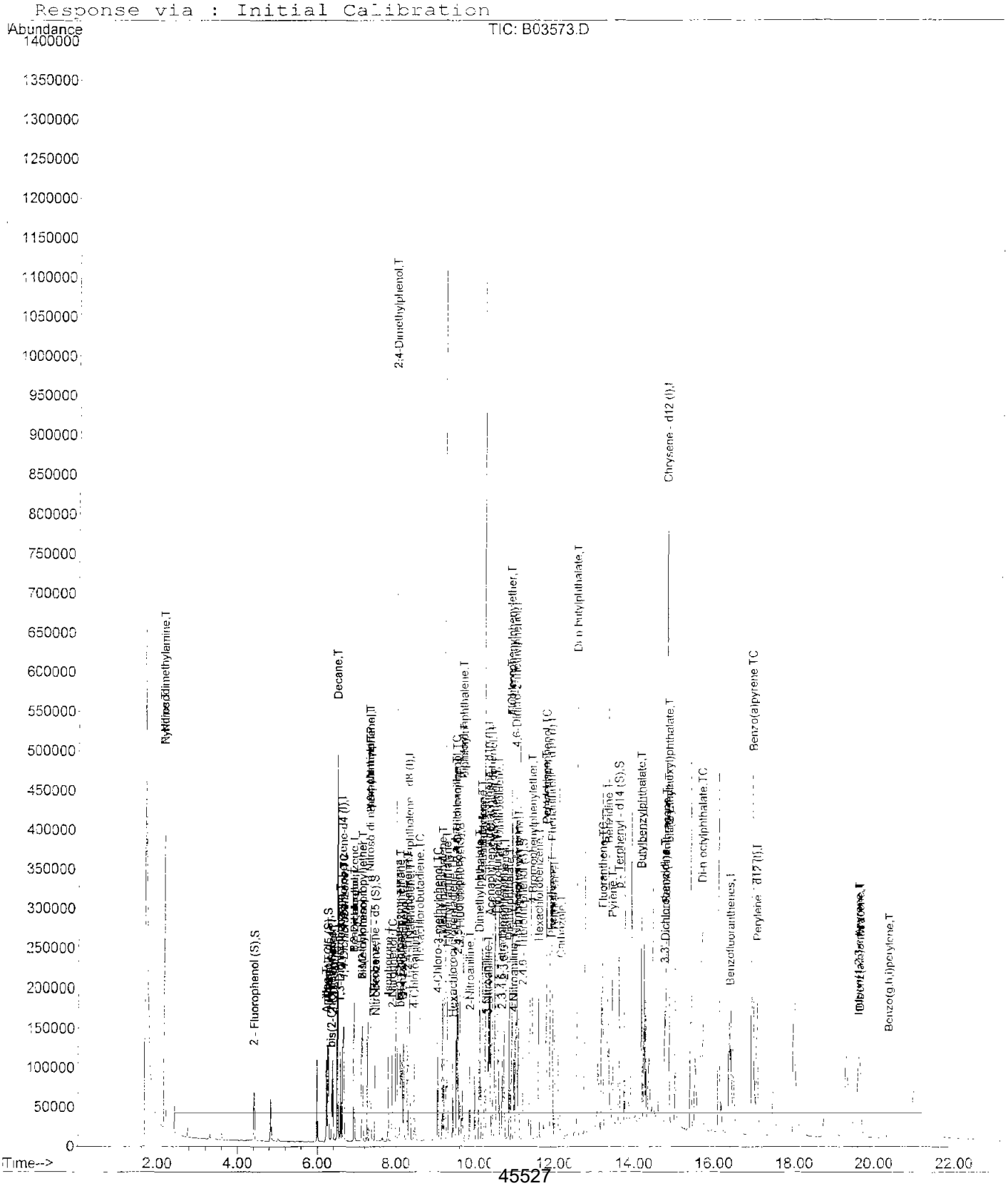
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
46)	Acenaphthylene	10.16	152	92597	941.86 ug/L		98
47)	2,6-Dinitrotoluene	10.15	165	12500	1027.94 ug/L		86
48)	3-Nitroaniline	10.30	138	13574	1086.02 ug/L	#	42
49)	Acenaphthene	10.36	153	71404	1089.63 ug/L		100
50)	2,4-Dinitrophenol	10.41	184	64326+	4710.76 ug/L		94
51)	4-Nitrophenol	10.49	109	38288	4955.27 ug/L	#	67
52)	Dibenzofuran	10.53	168	72584	1071.46 ug/L		76
53)	2,4-Dinitrotoluene	10.57	165	19848	1061.88 ug/L		61
54)	2,3,4,6-Tetrachlorophenol	10.66	232	19176	979.63 ug/L		99
55)	2,3,5,6-Tetrachlorophenol	10.71	232	19613	989.03 ul/l		87
56)	Diethylphthalate	10.84	149	58142	1095.07 ug/L		83
57)	Fluorene	10.90	166	70960	1000.71 ug/L		77
58)	4-Chlorophenylphenylether	10.90	204	35611	905.15 ug/L		97
59)	4-Nitroaniline	10.96	138	10965	1016.29 ug/L		92
61)	4,6-Dinitro-2-methylphenol	11.01	198	79112	5312.84 ug/L		92
62)	n-Nitrosodiphenylamine	11.03	169	53399	1172.13 ug/L		74
64)	1,2-Diphenylhydrazine	11.07	182	19410	1185.60 ug/L		92
65)	4-Bromophenylphenylether	11.42	248	30638	1091.52 ug/L		84
66)	Hexachlorobenzene	11.58	284	26075	1111.60 ug/L		98
67)	Pentachlorophenol	11.77	266	13791	836.07 ug/L		100
68)	Phenanthrene	11.92	178	91449	1221.83 ug/L		78
69)	Anthracene	11.97	178	92421	1157.97 ug/L		100
70)	Octadecane	11.77	57	33095	1229.66 ug/L		90
71)	Carbazole	12.15	167	81622	1175.51 ug/L		100
72)	Di-n-butylphthalate	12.56	149	108522	1280.27 ug/L		96
73)	Fluoranthene	13.20	202	113888	1143.53 ug/L		89
74)	Pyrene	13.45	202	110400	1089.90 ug/L		88
75)	Benzidine	13.34	184	142969	2767.89 ug/L		100
78)	Butylbenzylphthalate	14.17	149	61615	1230.52 ug/L		87
79)	Benzo(a)anthracene	14.79	228	117350	1052.21 ug/L		98
80)	3,3'-Dichlorobenzidine	14.76	252	55055	1302.74 ug/L		92
81)	Chrysene	14.85	228	107772	1070.65 ug/L		94
82)	bis(2-Ethylhexyl)phthalate	14.86	149	91730	1134.35 ug/L		95
84)	Di-n-octylphthalate	15.70	149	164639	1108.88 ug/L		100
85)	Benzofluoranthenes	16.39	252	250096	2079.53 ug/L		99
86)	Benzo(a)pyrene	16.96	252	107728	951.45 ug/L		100
87)	Indeno(1,2,3-cd)pyrene	19.60	276	124479	985.02 ug/L		72
88)	Dibenz(a,h)anthracene	19.65	278	127644	1073.11 ug/L		98
89)	Benzo(g,h,i)perylene	20.35	276	126313	1090.73 ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : U:\DATA\113004\B03573.D Vial: 0
Acq On : 30 Nov 2004 15:45 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 3 10:05 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Dec 03 10:05:42 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : U:\DATA\113004\B03573.D Vial: 0
Acq On : 30 Nov 2004 15:45 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Dec 03 10:05:42 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	68	0.00
2	T	N-Nitrosodimethylamine	5000.000	4314.525	13.7	65	0.00
3	T	Pyridine	5000.000	4028.810	19.4	51	0.00
4	S	2 - Fluorophenol (S)	1000.000	902.490	9.8	60	0.02
5	T	Aniline	1000.000	1025.924	-2.6	66	0.00
6	S	Phenol - d5 (S)	1000.000	1032.513	-3.3	65	0.01
7	TC	Phenol	1000.000	908.592	9.1	54	0.01
8	T	bis(2-Chloroethyl)ether	1000.000	956.899	4.3	64	0.01
9	T	2-Chlorophenol	1000.000	921.496	7.9	62	0.01
10	T	Decane	1000.000	1105.940	-10.6	57	0.00
11	T	1,3-Dichlorobenzene	1000.000	891.655	10.8	60	0.00
12	TC	1,4-Dichlorobenzene	1000.000	895.908	10.4	57	0.00
13	T	Benzyl alcohol	1000.000	936.209	6.4	63	0.00
14	T	1,2-Dichlorobenzene	1000.000	976.766	2.3	60	-0.04
15	T	2-Methylphenol	1000.000	910.146	9.0	58	-0.05
16	T	bis(2-chloroisopropyl)ether	1000.000	1017.040	-1.7	66	0.00
17	T	3-&4-Methylphenol	2000.000	2071.721	-3.6	68	0.00
18	TP	n-Nitroso-di-n-propylamine	1000.000	1047.467	-4.7	67	-0.02
19	T	Hexachloroethane	1000.000	895.015	10.5	63	-0.04
20	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	59	0.00
21	S	Nitrobenzene - d5 (S)	1000.000	1010.926	-1.1	64	-0.02
22	T	Nitrobenzene	1000.000	1002.586	-0.3	60	0.01
23	T	Isophorone	1000.000	911.190	8.9	58	0.01
24	TC	2-Nitrophenol	1000.000	989.499	1.1	61	0.03
25	T	2,4-Dimethylphenol	1000.000	915.611	8.4	56	0.00
26	T	bis(2-Chloroethoxy)methane	1000.000	947.793	5.2	59	0.00
27	T	Benzoic Acid	5000.000	4834.799	3.3	57	-0.08
28	TC	2,4-Dichlorophenol	1000.000	999.190	0.1	66	0.02
29	T	1,2,4-Trichlorobenzene	1000.000	1004.216	-0.4	57	0.01
30	T	Naphthalene	1000.000	967.487	3.3	58	0.00
31	T	4-Chloroaniline	1000.000	1121.404	-12.1	62	0.00
32	TC	Hexachlorobutadiene	1000.000	1056.707	-5.7	63	0.00
33	TC	4-Chloro-3-methylphenol	1000.000	1132.392	-13.2	71	-0.06
34	T	2-Methylnaphthalene	1000.000	1047.397	-4.7	63	-0.01
35	T	1-Methylnaphthalene	1000.000	1040.769	-4.1	70	-0.02
36	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	60	0.00
37	TP	Hexachlorocyclopentadiene	1000.000	586.667	41.3#	39	0.00
38	T	2,3-Dichloroaniline	1000.000	1014.688	-1.5	61	0.00
39	TC	2,4,6-Trichlorophenol	1000.000	878.218	12.2	56	0.00
40	T	2,4,5-Trichlorophenol	1000.000	1038.291	-3.8	69	0.00
41	S	2 - Fluorobiphenyl (S)	1000.000	956.455	4.4	61	0.00
42	T	2-Chloronaphthalene	1000.000	1030.347	-3.0	64	-0.02
43	T	Biphenyl	1000.000	943.525	5.6	64	0.00
44	T	2-Nitroaniline	1000.000	1066.321	-6.6	69	0.00
45	T	Dimethylphthalate	1000.000	985.696	1.4	64	0.00
46	T	Acenaphthylene	1000.000	941.859	5.8	60	0.02
47	T	2,6-Dinitrotoluene	1000.000	1027.936	-2.8	73	0.00
48	T	3-Nitroaniline	1000.000	1086.018	-8.6	68	-0.01
49	TC	Acenaphthene	1000.000	1089.631	-9.0	70	0.02
50	TP	2,4-Dinitrophenol	5000.000	4710.765	5.8	64	0.00
51	TP	4-Nitrophenol	5000.000	4955.265	0.9	74	0.00

(#) = Out of Range

45529

00744

Evaluate Continuing Calibration Report

Data File : U:\DATA\113004\B03573.D Vial: 0
Acq On : 30 Nov 2004 15:45 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Dec 03 10:05:42 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	T	Dibenzofuran	1000.000	1071.461	-7.1	68	0.00
53	T	2,4-Dinitrotoluene	1000.000	1061.882	-6.2	68	0.00
54	T	2,3,4,6-Tetrachlorophenol	1000.000	979.627	2.0	63	0.00
55	T	2,3,5,6-Tetrachlorophenol	1000.000	989.034	1.1	57	-0.01
56	T	Diethylphthalate	1000.000	1095.065	-9.5	71	0.00
57	T	Fluorene	1000.000	1000.709	-0.1	68	-0.03
58	T	4-Chlorophenylphenylether	1000.000	905.154	9.5	59	-0.02
59	T	4-Nitroaniline	1000.000	1016.294	-1.6	60	-0.01
60	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	55	0.00
61	T	4,6-Dinitro-2-methylphenol	5000.000	5312.840	-6.3	59	0.00
62	T	n-Nitrosodiphenylamine	1000.000	1172.132	-17.2	68	0.00
63	S	2,4,6 - Tribromophenol (S)	1000.000	934.892	6.5	54	0.00
64	T	1,2-Diphenylhydrazine	1000.000	1185.605	-18.6	64	0.00
65	T	4-Bromophenylphenylether	1000.000	1091.521	-9.2	65	0.00
66	T	Hexachlorobenzene	1000.000	1111.599	-11.2	64	0.00
67	TC	Pentachlorophenol	1000.000	836.071	16.4	48	0.00
68	T	Phenanthrene	1000.000	1221.830	-22.2#	70	0.00
69	T	Anthracene	1000.000	1157.966	-15.8	63	0.00
70	T	Octadecane	1000.000	1229.664	-23.0#	63	0.03
71	T	Carbazole	1000.000	1175.514	-17.6	68	-0.04
72	T	Di-n-butylphthalate	1000.000	1280.272	-28.0#	74	0.01
73	TC	Fluoranthene	1000.000	1143.525	-14.4	66	0.00
74	T	Pyrene	1000.000	1089.903	-9.0	64	0.00
75	T	Benzidine	5000.000	2767.891	44.6#	30	0.00
76	S	p - Terphenyl - d14 (S)	1000.000	1077.377	-7.7	63	-0.02
77	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	56	0.00
78	T	Butylbenzylphthalate	1000.000	1230.525	-23.1#	76	0.02
79	T	Benzo(a)anthracene	1000.000	1052.205	-5.2	62	-0.01
80	T	3,3'-Dichlorobenzidine	1000.000	1302.745	-30.3#	72	0.00
81	T	Chrysene	1000.000	1070.648	-7.1	62	0.00
82	T	bis(2-Ethylhexyl)phthalate	1000.000	1134.350	-13.4	62	0.01
83	I	Perylene - d12 (I)	1000.000	1000.000	0.0	59	0.00
84	TC	Di-n-octylphthalate	1000.000	1108.879	-10.9	68	0.00
85	T	Benzofluoranthenes	2000.000	2079.526	-4.0	65	-0.01
86	TC	Benzo(a)pyrene	1000.000	951.448	4.9	58	-0.01
87	T	Indeno(1,2,3-cd)pyrene	1000.000	985.018	1.5	62	0.00
88	T	Dibenz(a,h)anthracene	1000.000	1073.108	-7.3	63	0.00
89	T	Benzo(g,h,i)perylene	1000.000	1090.728	-9.1	64	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : U:\DATA\113004\B03573.D Vial: 0
Acq On : 30 Nov 2004 15:45 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Dec 03 10:05:42 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	68	0.00
2	T	N-Nitrosodimethylamine	0.327	0.282#	13.8	65	0.00
3	T	Pyridine	1.559	1.256#	19.4	51	0.00
4	S	2 - Fluorophenol (S)	1.056	0.953#	9.8	60	0.02
5	T	Aniline	1.315	1.350#	-2.7	66	0.00
6	S	Phenol - d5 (S)	1.247	1.287#	-3.2	65	0.01
7	TC	Phenol	1.318	1.197#	9.2	54	0.01
8	T	bis(2-Chloroethyl)ether	1.394	1.334#	4.3	64	0.01
9	T	2-Chlorophenol	1.247	1.149#	7.9	62	0.01
10	T	Decane	0.604	0.668#	-10.6	57	0.00
11	T	1,3-Dichlorobenzene	1.098	0.979#	10.8	60	0.00
12	TC	1,4-Dichlorobenzene	1.185	1.062#	10.4	57	0.00
13	T	Benzyl alcohol	1.507	1.410#	6.4	63	0.00
14	T	1,2-Dichlorobenzene	0.962	0.940#	2.3	60	-0.04
15	T	2-Methylphenol	0.854	0.778#	8.9	58	-0.05
16	T	bis(2-chloroisopropyl)ether	1.387	1.410#	-1.7	66	0.00
17	T	3-&4-Methylphenol	0.943	0.977#	-3.6	68	0.00
18	TP	n-Nitroso-di-n-propylamine	0.800	0.838	-4.7	67	-0.02
19	T	Hexachloroethane	0.659	0.590#	10.5	63	-0.04
20	I	Naphthalene - d8 (I)	1.000	1.000	0.0	59	0.00
21	S	Nitrobenzene - d5 (S)	0.275	0.278#	-1.1	64	-0.02
22	T	Nitrobenzene	0.236	0.237#	-0.4	60	0.01
23	T	Isophorone	0.376	0.342#	9.0	58	0.01
24	TC	2-Nitrophenol	0.111	0.110#	0.9	61	0.03
25	T	2,4-Dimethylphenol	0.243	0.222#	8.3	56	0.00
26	T	bis(2-Chloroethoxy)methane	0.159	0.151#	5.0	59	0.00
27	T	Benzoic Acid	0.133	0.128#	3.8	57	-0.08
28	TC	2,4-Dichlorophenol	0.225	0.225#	0.0	66	0.02
29	T	1,2,4-Trichlorobenzene	0.199	0.200#	-0.5	57	0.01
30	T	Naphthalene	0.775	0.749#	3.4	58	0.00
31	T	4-Chloroaniline	0.245	0.275#	-12.2	62	0.00
32	TC	Hexachlorobutadiene	0.146	0.154#	-5.5	63	0.00
33	TC	4-Chloro-3-methylphenol	0.393	0.445#	-13.2	71	-0.06
34	T	2-Methylnaphthalene	0.356	0.373#	-4.8	63	-0.01
35	T	1-Methylnaphthalene	0.367	0.382#	-4.1	70	-0.02
36	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	60	0.00
37	TP	Hexachlorocyclopentadiene	0.468	0.275	41.2#	39#	0.00
38	T	2,3-Dichloroaniline	0.463	0.469#	-1.3	61	0.00
39	TC	2,4,6-Trichlorophenol	0.194	0.170#	12.4	56	0.00
40	T	2,4,5-Trichlorophenol	0.251	0.261#	-4.0	69	0.00
41	S	2 - Fluorobiphenyl (S)	0.770	0.736#	4.4	61	0.00
42	T	2-Chloronaphthalene	0.567	0.584#	-3.0	64	-0.02
43	T	Biphenyl	1.016	0.958#	5.7	64	0.00
44	T	2-Nitroaniline	0.197	0.210#	-6.6	69	0.00
45	T	Dimethylphthalate	0.934	0.920#	1.5	64	0.00
46	T	Acenaphthylene	1.235	1.163#	5.8	60	0.02
47	T	2,6-Dinitrotoluene	0.153	0.157#	-2.6	73	0.00
48	T	3-Nitroaniline	0.157	0.171#	-8.9	68	-0.01
49	TC	Acenaphthene	0.823	0.897#	-9.0	70	0.02
50	TP	2,4-Dinitrophenol	0.172	0.162	5.8	64	0.00
51	TP	4-Nitrophenol	0.097	0.096	1.0	74	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : U:\DATA\113004\B03573.D Vial: 0
Acq On : 30 Nov 2004 15:45 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Fri Dec 03 10:05:42 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	T	Dibenzofuran	0.851	0.912#	-7.2	68	0.00
53	T	2,4-Dinitrotoluene	0.235	0.249#	-6.0	68	0.00
54	T	2,3,4,6-Tetrachlorophenol	0.246	0.241#	2.0	63	0.00
55	T	2,3,5,6-Tetrachlorophenol	0.249	0.246#	1.2	57	-0.01
56	T	Diethylphthalate	0.667	0.730#	-9.4	71	0.00
57	T	Fluorene	0.891	0.891#	0.0	68	-0.03
58	T	4-Chlorophenylphenylether	0.494	0.447#	9.5	59	-0.02
59	T	4-Nitroaniline	0.136	0.138#	-1.5	60	-0.01
60	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	55	0.00
61	T	4,6-Dinitro-2-methylphenol	0.146	0.155#	-6.2	59	0.00
62	T	n-Nitrosodiphenylamine	0.447	0.524#	-17.2	68	0.00
63	S	2,4,6 - Tribromophenol (S)	0.191	0.178#	6.8	54	0.00
64	T	1,2-Diphenylhydrazine	0.161	0.191#	-18.6	64	0.00
65	T	4-Bromophenylphenylether	0.276	0.301#	-9.1	65	0.00
66	T	Hexachlorobenzene	0.230	0.256#	-11.3	64	0.00
67	TC	Pentachlorophenol	0.162	0.135#	16.7	48#	0.00
68	T	Phenanthrene	0.735	0.898#	-22.2#	70	0.00
69	T	Anthracene	0.784	0.908#	-15.8	63	0.00
70	T	Octadecane	0.264	0.325#	-23.1#	63	0.03
71	T	Carbazole	0.682	0.802#	-17.6	68	-0.04
72	T	Di-n-butylphthalate	0.832	1.066#	-28.1#	74	0.01
73	TC	Fluoranthene	0.978	1.118#	-14.3	66	0.00
74	T	Pyrene	0.995	1.084#	-8.9	64	0.00
75	T	Benzidine	0.507	0.281#	44.6#	30#	0.00
76	S	p - Terphenyl - d14 (S)	0.853	0.920#	-7.9	63	-0.02
77	I	Chrysene - d12 (I)	1.000	1.000	0.0	56	0.00
78	T	Butylbenzylphthalate	0.293	0.360#	-22.9#	76	0.02
79	T	Benzo(a)anthracene	0.652	0.686#	-5.2	62	-0.01
80	T	3,3'-Dichlorobenzidine	0.247	0.322#	-30.4#	72	0.00
81	T	Chrysene	0.588	0.630#	-7.1	62	0.00
82	T	bis(2-Ethylhexyl)phthalate	0.473	0.536#	-13.3	62	0.01
83	I	Perylene - d12 (I)	1.000	1.000	0.0	59	0.00
84	TC	Di-n-octylphthalate	0.767	0.850#	-10.8	68	0.00
85	T	Benzofluoranthenes	0.621	0.646#	-4.0	65	-0.01
86	TC	Benzo(a)pyrene	0.585	0.556#	5.0	58	-0.01
87	T	Indeno(1,2,3-cd)pyrene	0.652	0.643#	1.4	62	0.00
88	T	Dibenz(a,h)anthracene	0.614	0.659#	-7.3	63	0.00
89	T	Benzo(g,h,i)perylene	0.598	0.652#	-9.0	64	0.00

#. = Out of Range SPCC's out = 0 CCC's out = 0

45535

00747

Sequence Log

Directory : w:\113004

#	Filename	Sample Name	Date/Time
1	a08286.d	DFTPP 11/30/04	11/30/04 12:48
2	a08287a.d	1000 UG/L 8270 CCAL STD NO 1281-1-6	11/30/04 13:38
3	a08288.d	SS1285 MB #20.0000 &2.0 SOIL	11/30/04 14:07
4	a08289.d	SS1285 BS #20.0000 &2.0 SOIL	11/30/04 14:34
5	a08290.d	SS1285 BSD #20.0000 &2.0 SOIL	11/30/04 15:01
6	a08292.d	125059-10 SS1285 &2.0 SOIL	11/30/04 15:27
7	a08293.d	125059-12 SS1285 &2.0 SOIL 1:10	11/30/04 15:54
8	a08295.d	125059-14 SS1285 &2.0 SOIL	11/30/04 16:47
9	a08297.d	125059-16 SS1285 &2.0 SOIL 1:10	11/30/04 17:40
10	a08298.d	125059-17 SS1285 &2.0 SOIL 1:10	11/30/04 18:06
11	a08299.d	125060-3 SS1285 &2.0 SOIL	11/30/04 18:33
12	a08302.d	125060-6 SS1285 &2.0 SOIL	11/30/04 19:26
13	a08303.d	125060-8 SS1285 &2.0 SOIL 1:10	11/30/04 19:53
14	a08304.d	125059-8 SS1285 &2.0 SOIL	11/30/04 20:19
15	a08305.d	125059-12 SS1285 &2.0 SOIL	11/30/04 20:46
16	a08306.d	125059-13 SS1285 &2.0 SOIL	11/30/04 21:13
17	a08307.d	125060-4 SS1285 &2.0 SOIL	11/30/04 21:39
18	a08308.d	125060-5 SS1285 &2.0 SOIL	11/30/04 22:06
19	a08309.d	125060-8 SS1285 &2.0 SOIL	11/30/04 22:33

Sequence Log

Directory : v:\Data\120704

#	Filename	Sample Name	Date/Time
1	p54106.d	DFTPP 12/7/04	12/07/04 12:35
2	p54107.d	1000 UG/L 8270 CAL STD NO 1281-1-6	12/07/04 13:25
3	p54111.d	125059-8 SS1285 &2.0 SOIL 1:10	12/07/04 15:36
4	p54112.d	125059-16 SS1285 &2.0 SOIL 1:100	12/07/04 16:08
5	p54113.d	125059-17 SS1285 &2.0 SOIL 1:100	12/07/04 16:39
6	p54114.d	125059-15 SS1285 &2.0 SOIL 1:10	12/07/04 17:10
7	p54115.d	125059-15 MS SS1285 &2.0 SOIL 1:10	12/07/04 17:42
8	p54116.d	125059-15 MSD SS1285 &2.0 SOIL 1:10	12/07/04 18:13

Quantitation Report (Not Reviewed)

Data File : W:\113004\A08287A.D Vial: 0
Acq On : 30 Nov 2004 13:38 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 07 12:02:47 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Dec 07 12:02:41 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.96	152	111621	1000.00 ug/L	0.00
22) Naphthalene - d8 (I)	7.47	136	425959	1000.00 ug/L	0.00
38) Acenaphthene - d10 (I)	9.44	162	275424	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.03	188	429503	1000.00 ug/L	-0.02
79) Chrysene - d12 (I)	14.04	240	716528	1000.00 ul/l	0.00
85) Perylene - d12 (I)	16.68	264	816591	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.38	112	78918	885.96 ug/L	0.03
7) Phenol - d5 (S)	5.61	99	101206	1045.46 ug/L	0.00
23) Nitrobenzene - d5 (S)	6.66	82	101388	939.57 ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.70	172	219740	1049.22 ug/L	0.00
65) 2,4,6 - Tribromophenol (S)	10.30	330	55877	1101.47 ug/L	-0.03
78) p - Terphenyl - d14 (S)	12.73	244	326409	1066.01 ug/L	-0.05
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	2.55	74	152910	4718.48 ug/L	100
3) Pyridine	2.56	79	705856-	4717.06 ug/L	100
5) Cyclohexanone	4.62	55	44536	1078.96 ug/L	94
6) Aniline	5.61	93	128422	1192.38 ug/L	100
9) bis(2-Chloroethyl)ether	5.68	63	93761	985.75 ug/L	100
10) 2-Chlorophenol	5.74	128	96396	934.40 ug/L	63
11) Decane	5.80	57	94679	933.52 ug/L	90
12) 1,3-Dichlorobenzene	5.91	146	116081	932.94 ug/L	96
13) 1,4-Dichlorobenzene	5.97	146	127203	1045.87 ug/L	92
14) Benzyl alcohol	6.17	79	133585	1170.24 ug/L	99
15) 1,2-Dichlorobenzene	6.20	146	118406	963.09 ug/L	87
17) bis(2-chloroisopropyl)ethe	6.35	121	10942	884.02 ug/L	100
19) n-Nitroso-di-n-propylamine	6.51	70	69532	1040.51 ug/L	92
24) Nitrobenzene	6.68	77	93690	856.09 ug/L	93
25) Isophorone	6.96	82	167173	913.56 ug/L	93
26) 2-Nitrophenol	7.06	139	59668	1002.67 ug/L	85
27) 2,4-Dimethylphenol	7.13	107	94765	663.25 ug/L	99
29) Benzoic Acid	7.24	105	302858	4055.44 ug/L	100
30) 2,4-Dichlorophenol	7.34	162	82504	977.36 ug/L	84
31) 1,2,4-Trichlorobenzene	7.42	180	90962	895.88 ug/L	94
32) Naphthalene	7.49	128	306370	923.25 ug/L	96
33) 4-Chloroaniline	7.58	127	124713	1243.33 ug/L	97
34) Hexachlorobutadiene	7.70	225	77585	962.71 ug/L	91
35) 4-Chloro-3-methylphenol	8.14	107	144595	1121.84 ug/L	85
36) 2-Methylnaphthalene	8.27	141	201182	1006.30 ug/L	100
37) 1-Methylnaphthalene	8.39	141	225506	1045.14 ul/l	93
39) Hexachlorocyclopentadiene	8.53	237	75420	1011.26 ug/L	84
40) 2,3-Dichloroaniline	8.61	161	121342	1042.69 ug/L	99
41) 2,4,6-Trichlorophenol	8.62	196	66769	1200.54 ug/L	74
42) 2,4,5-Trichlorophenol	8.67	196	69659	1121.87 ug/L	87
44) 2-Chloronaphthalene	8.81	162	172647	895.46 ug/L	47
45) Biphenyl	8.79	154	227024	985.00 ug/L	65
46) 2-Nitroaniline	8.95	138	73256	1082.47 ug/L	89
47) Dimethylphthalate	9.18	163	276102	966.23 ug/L	99
48) Acenaphthylene	9.28	152	309885	1027.63 ug/L	95
49) 2,6-Dinitrotoluene	9.26	165	50643	943.00 ug/L	56
50) 3-Nitroaniline	9.40	138	61743	1098.23 ug/L	76
51) Acenaphthene	9.47	153	244353	1092.70 ug/L	100

45541

= qualifier out of range (m) = manual integration

00750

Quantitation Report (Not Reviewed)

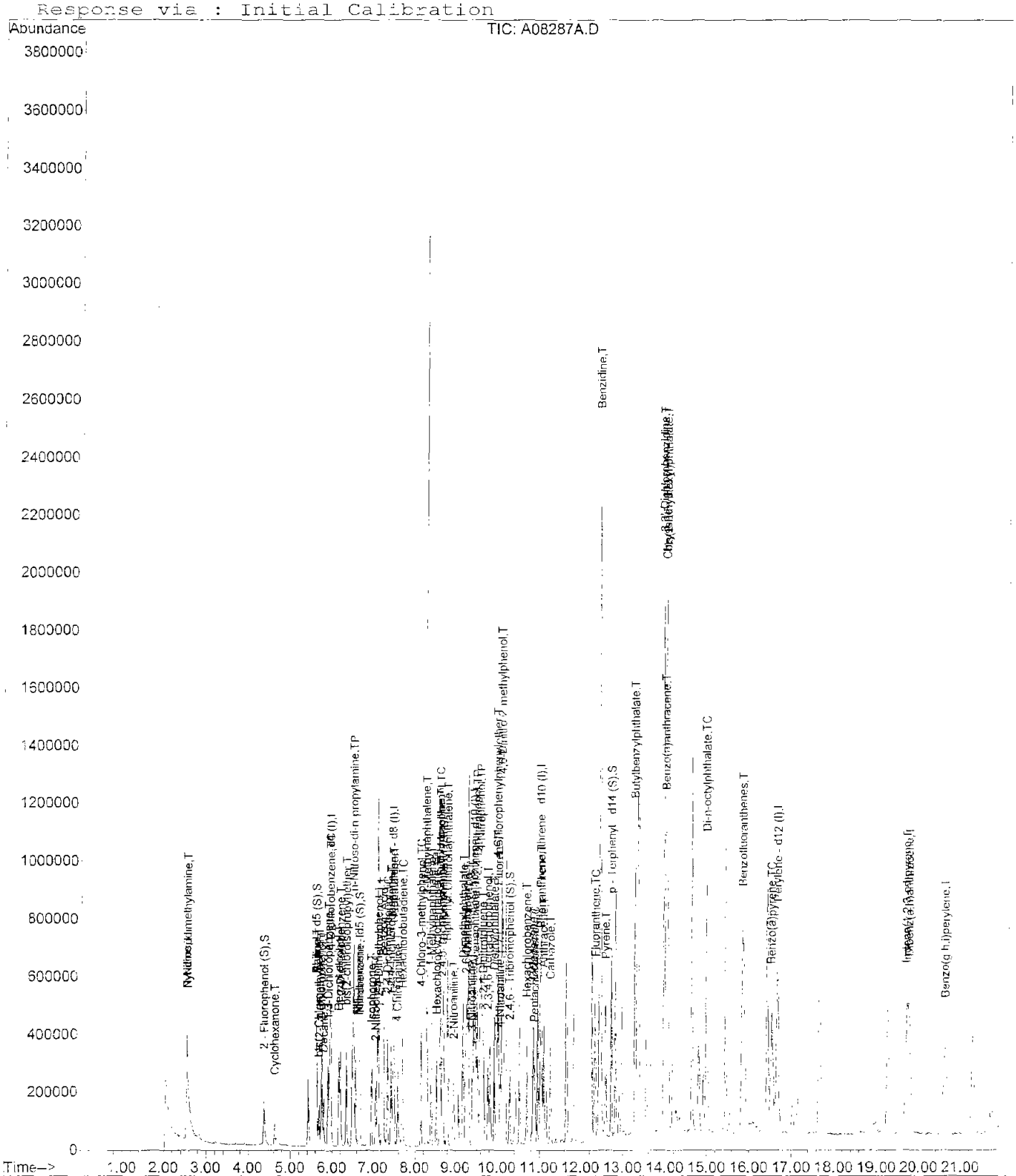
Data File : W:\113004\A08287A.D Vial: 0
Acq On : 30 Nov 2004 13:38 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 07 12:02:47 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Dec 07 12:02:41 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
52)	2,4-Dinitrophenol	9.51	184	136766	4668.26	ug/L	42
53)	4-Nitrophenol	9.60	109	315753	5370.36	ug/L	89
55)	2,4-Dinitrotoluene	9.67	165	84362	884.77	ug/L	28
56)	2,3,4,6-Tetrachlorophenol	9.78	232	61241	1166.82	ug/L	97
58)	Diethylphthalate	9.93	149	266678	901.02	ug/L	81
59)	Fluorene	10.02	166	205071	1048.68	ug/L	51
60)	4-Chlorophenylphenylether	10.01	204	111918	877.38	ug/L	34
61)	4-Nitroaniline	10.07	138	56469	923.73	ug/L	82
63)	4,6-Dinitro-2-methylphenol	10.11	198	194569	4497.16	ug/L	61
68)	Hexachlorobenzene	10.70	284	87061	1057.52	ug/L	90
69)	Pentachlorophenol	10.89	266	49657	997.71	ug/L	89
70)	Phenanthrene	11.05	178	350224	1067.65	ug/L	98
71)	Anthracene	11.10	178	304651	1003.11	ug/L	100
72)	Octadecane	10.86	57	161104	863.74	ug/L	99
73)	Carbazole	11.27	167	295677	1010.28	ug/L	96
75)	Fluoranthene	12.34	202	325132	916.58	ug/L	78
76)	Pyrene	12.59	202	359812	1004.04	ug/L	93
77)	Benzidine	12.46	184	1905015	5905.27	ug/L	100
80)	Butylbenzylphthalate	13.29	149	452107	1217.58	ug/L	93
81)	Benzo(a)anthracene	14.02	228	659341	1258.31	ug/L	100
82)	3,3'-Dichlorobenzidine	13.97	252	459612-	1262.96	ug/L	98
84)	bis(2-Ethylhexyl)phthalate	14.05	149	736137	1125.95	ug/L	85
86)	Di-n-octylphthalate	15.00	149	1261267	1164.26	ug/L	95
87)	Benzofluoranthenes	15.87	252	1447323	2354.80	ug/L	99
88)	Benzo(a)pyrene	16.54	252	651817	1144.41	ug/L	100
89)	Indeno(1,2,3-cd)pyrene	19.71	276	976664	1232.27	ug/L	100
90)	Dibenz(a,h)anthracene	19.77	278	803201	1229.65	ug/L	100
91)	Benzo(g,h,i)perylene	20.64	276	782204	1215.99	ug/L	100

Data File : W:\113004\A08287A.D Vial: 0
Acq On : 30 Nov 2004 13:38 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 7 12:02 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Dec 07 12:02:41 2004
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : W:\113004\A08287A.D Vial: 0
Acq On : 30 Nov 2004 13:38 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Dec 07 12:02:41 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	133	0.00
2	T	N-Nitrosodimethylamine	0.290	0.274#	5.5	128	0.00
3	T	Pyridine	1.341	1.265#	5.7	130	0.10
4	S	2 - Fluorophenol (S)	0.798	0.707#	11.4	125	0.03
5	T	Cyclohexanone	0.370	0.399#	-7.8	147	0.02
6	T	Aniline	0.965	1.151#	-19.3	153#	0.00
7	S	Phenol - d5 (S)	0.867	0.907#	-4.6	141	0.00
8	TC	Phenol	0.962	1.045#	-8.6	163#	0.00
9	T	bis(2-Chloroethyl)ether	0.852	0.840#	1.4	129	-0.01
10	T	2-Chlorophenol	0.924	0.864#	6.5	134	0.02
11	T	Decane	0.909	0.848#	6.7	133	-0.02
12	T	1,3-Dichlorobenzene	1.115	1.040#	6.7	123	0.00
13	TC	1,4-Dichlorobenzene	1.090	1.140#	-4.6	152#	-0.01
14	T	Benzyl alcohol	1.023	1.197#	-17.0	166#	-0.01
15	T	1,2-Dichlorobenzene	1.101	1.061#	3.6	134	-0.02
16	T	2-Methylphenol	0.696	0.623#	10.5	140	-0.02
17	T	bis(2-chloroisopropyl)ether	0.111	0.098#	11.7	123	-0.05
18	T	3-&4-Methylphenol	0.644	0.745#	-15.7	154#	-0.03
19	TP	n-Nitroso-di-n-propylamine	0.599	0.623	-4.0	146	-0.03
20	T	Acetophenone	1.903	1.681#	11.7	131	0.00
21	T	Hexachloroethane	0.251	0.221#	12.0	127	0.01
22	I	Naphthalene - d8 (I)	1.000	1.000	0.0	170#	0.00
23	S	Nitrobenzene - d5 (S)	0.253	0.238#	5.9	142	0.03
24	T	Nitrobenzene	0.257	0.220#	14.4	139	-0.01
25	T	Isophorone	0.430	0.392#	8.8	153#	0.00
26	TC	2-Nitrophenol	0.140	0.140#	0.0	140	0.00
27	T	2,4-Dimethylphenol	0.335	0.222#	33.7#	114	0.00
28	T	bis(2-Chloroethoxy)methane	0.268	0.200#	25.4#	133	0.00
29	T	Benzoic Acid	0.175	0.142#	18.9	139	-0.05
30	TC	2,4-Dichlorophenol	0.198	0.194#	2.0	149	0.01
31	T	1,2,4-Trichlorobenzene	0.238	0.214#	10.1	133	0.00
32	T	Naphthalene	0.779	0.719#	7.7	154#	0.00
33	T	4-Chloroaniline	0.235	0.293#	-24.7#	183#	0.00
34	TC	Hexachlorobutadiene	0.189	0.182#	3.7	147	0.00
35	TC	4-Chloro-3-methylphenol	0.303	0.339#	-11.9	185#	-0.03
36	T	2-Methylnaphthalene	0.469	0.472#	-0.6	151#	-0.03
37	T	1-Methylnaphthalene	0.507	0.529#	-4.3	182#	-0.04
38	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	184#	0.00
39	TP	Hexachlorocyclopentadiene	0.271	0.274	-1.1	166#	0.00
40	T	2,6-Dichloroaniline	0.423	0.441#	-4.3	195#	-0.02
41	TC	2,4,6-Trichlorophenol	0.202	0.242#	-19.8	198#	-0.02
42	T	2,4,5-Trichlorophenol	0.225	0.253#	-12.4	220#	-0.01
43	S	2 - Fluorobiphenyl (S)	0.760	0.798#	-5.0	185#	0.00
44	T	2-Chloronaphthalene	0.700	0.627#	10.4	145	-0.03
45	T	Biphenyl	0.837	0.824#	1.6	185#	-0.03
46	T	2-Nitroaniline	0.246	0.266#	-8.1	204#	-0.02
47	T	Dimethylphthalate	1.037	1.002#	3.4	180#	-0.02
48	T	Acenaphthylene	1.095	1.125#	-2.7	200#	-0.03
49	T	2,6-Dinitrotoluene	0.195	0.184#	5.6	157#	-0.02
50	T	3-Nitroaniline	0.204	0.224#	-9.8	182#	-0.04
51	TC	Acenaphthene	0.812	0.887#	-9.2	209#	-0.02

45547

(#) = Out of Range

00753

Evaluate Continuing Calibration Report

Data File : W:\113004\A08287A.D Vial: 0
Acq On : 30 Nov 2004 13:38 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Dec 07 12:02:41 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	TP	2,4-Dinitrophenol	0.106	0.099	6.6	162#	-0.02
53	TP	4-Nitrophenol	0.213	0.229	-7.5	176#	-0.03
54	T	Dibenzofuran	0.989	1.038#	-5.0	194#	-0.01
55	T	2,4-Dinitrotoluene	0.346	0.306#	11.6	152#	-0.06
56	T	2,3,4,6-Tetrachlorophenol	0.191	0.222#	-16.2	196#	0.00
57	T	2,3,5,6-Tetrachlorophenol	0.203	0.000#	100.0#	0#	-9.84#
58	T	Diethylphthalate	1.075	0.968#	10.0	152#	-0.04
59	T	Fluorene	0.710	0.745#	-4.9	190#	-0.05
60	T	4-Chlorophenylphenylether	0.463	0.406#	12.3	165#	-0.03
61	T	4-Nitroaniline	0.222	0.205#	7.7	167#	-0.03
62	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	189#	-0.02
63	T	4,6-Dinitro-2-methylphenol	0.101	0.091#	9.9	150#	-0.03
64	T	n-Nitrosodiphenylamine	0.379	0.369#	2.6	171#	-0.01
65	S	2,4,6 - Tribromophenol (S)	0.118	0.130#	-10.2	176#	-0.03
66	T	1,2-Diphenylhydrazine	0.191	0.157#	17.8	141	-0.02
67	T	4-Bromophenylphenylether	0.195	0.160#	17.9	169#	-0.03
68	T	Hexachlorobenzene	0.192	0.203#	-5.7	190#	-0.02
69	TC	Pentachlorophenol	0.116	0.116#	0.0	192#	-0.02
70	T	Phenanthrene	0.764	0.815#	-6.7	188#	0.00
71	T	Anthracene	0.707	0.709#	-0.3	192#	-0.02
72	T	Octadecane	0.434	0.375#	13.6	176#	-0.03
73	T	Carbazole	0.681	0.688#	-1.0	192#	-0.03
74	T	Di-n-butylphthalate	1.298	0.000#	100.0#	0#	-11.78#
75	TC	Fluoranthene	0.826	0.757#	8.4	163#	0.00
76	T	Pyrene	0.834	0.838#	-0.5	181#	0.01
77	T	Benzidine	0.751	0.887#	-18.1	222#	-0.07
78	S	p - Terphenyl - d14 (S)	0.713	0.760#	-6.6	200#	-0.05
79	I	Chrysene - d12 (I)	1.000	1.000	0.0	198#	0.00
80	T	Butylbenzylphthalate	0.518	0.631#	-21.8#	247#	-0.04
81	T	Benzo(a)anthracene	0.731	0.920#	-25.9#	233#	0.00
82	T	3,3'-Dichlorobenzidine	0.508	0.641#	-26.2#	234#	0.00
83	T	Chrysene	0.635	0.723#	-13.9	212#	0.02
84	T	bis(2-Ethylhexyl)phthalate	0.912	1.027#	-12.6	205#	0.03
85	I	Perylene - d12 (I)	1.000	1.000	0.0	190#	0.00
86	TC	Di-n-octylphthalate	1.327	1.545#	-16.4	225#	-0.08
87	T	Benzofluoranthenes	0.753	0.886#	-17.7	222#	0.00
88	TC	Benzo(a)pyrene	0.697	0.798#	-14.5#	219#	0.00
89	T	Indeno(1,2,3-cd)pyrene	0.971	1.196#	-23.2#	238#	0.00
90	T	Dibenz(a,h)anthracene	0.800	0.984#	-23.0#	233#	0.00
91	T	Benzo(g,h,i)perylene	0.788	0.958#	-21.6#	221#	-0.08

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Evaluate Continuing Calibration Report

Data File : W:\113004\A08287A.D Vial: 0
Acq On : 30 Nov 2004 13:38 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Dec 07 12:02:41 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	133	0.00
2	T	N-Nitrosodimethylamine	5000.000	4718.479	5.6	128	0.00
3	T	Pyridine	5000.000	4717.055	5.7	130	0.10
4	S	2 - Fluorophenol (S)	1000.000	885.956	11.4	125	0.03
5	T	Cyclohexanone	1000.000	1078.956	-7.9	147	0.02
6	T	Aniline	1000.000	1192.382	-19.2	153	0.00
7	S	Phenol - d5 (S)	1000.000	1045.460	-4.5	141	0.00
8	TC	Phenol	1000.000	1086.563	-8.7	163	0.00
9	T	bis(2-Chloroethyl)ether	1000.000	985.749	1.4	129	-0.01
10	T	2-Chlorophenol	1000.000	934.399	6.6	134	0.02
11	T	Decane	1000.000	933.524	6.6	133	-0.02
12	T	1,3-Dichlorobenzene	1000.000	932.943	6.7	123	0.00
13	TC	1,4-Dichlorobenzene	1000.000	1045.872	-4.6	152	-0.01
14	T	Benzyl alcohol	1000.000	1170.238	-17.0	166	-0.01
15	T	1,2-Dichlorobenzene	1000.000	963.089	3.7	134	-0.02
16	T	2-Methylphenol	1000.000	895.317	10.5	140	-0.02
17	T	bis(2-chloroisopropyl)ether	1000.000	884.020	11.6	123	-0.05
18	T	3-&4-Methylphenol	2000.000	2312.918	-15.6	154	-0.03
19	TP	n-Nitroso-di-n-propylamine	1000.000	1040.508	-4.1	146	-0.03
20	T	Acetophenone	1000.000	883.314	11.7	131	0.00
21	T	Hexachloroethane	1000.000	881.799	11.8	127	0.01
22	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	170	0.00
23	S	Nitrobenzene - d5 (S)	1000.000	939.572	6.0	142	0.03
24	T	Nitrobenzene	1000.000	856.086	14.4	139	-0.01
25	T	Isophorone	1000.000	913.562	8.6	153	0.00
26	TC	2-Nitrophenol	1000.000	1002.668	-0.3	140	0.00
27	T	2,4-Dimethylphenol	1000.000	663.254	33.7#	114	0.00
28	T	bis(2-Chloroethoxy)methane	1000.000	745.589	25.4#	133	0.00
29	T	Benzoic Acid	5000.000	4055.443	18.9	139	-0.05
30	TC	2,4-Dichlorophenol	1000.000	977.363	2.3	149	0.01
31	T	1,2,4-Trichlorobenzene	1000.000	895.879	10.4	133	0.00
32	T	Naphthalene	1000.000	923.247	7.7	154	0.00
33	T	4-Chloroaniline	1000.000	1243.328	-24.3#	183	0.00
34	TC	Hexachlorobutadiene	1000.000	962.714	3.7	147	0.00
35	TC	4-Chloro-3-methylphenol	1000.000	1121.839	-12.2	185	-0.03
36	T	2-Methylnaphthalene	1000.000	1006.302	-0.6	151	-0.03
37	T	1-Methylnaphthalene	1000.000	1045.136	-4.5	182	-0.04
38	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	184	0.00
39	TP	Hexachlorocyclopentadiene	1000.000	1011.258	-1.1	166	0.00
40	T	2,3-Dichloroaniline	1000.000	1042.694	-4.3	195	-0.02
41	TC	2,4,6-Trichlorophenol	1000.000	1200.536	-20.1#	198	-0.02
42	T	2,4,5-Trichlorophenol	1000.000	1121.866	-12.2	220	-0.01
43	S	2 - Fluorobiphenyl (S)	1000.000	1049.221	-4.9	185	0.00
44	T	2-Chloronaphthalene	1000.000	895.459	10.5	145	-0.03
45	T	Biphenyl	1000.000	984.999	1.5	185	-0.03
46	T	2-Nitroaniline	1000.000	1082.467	-8.2	204	-0.02
47	T	Dimethylphthalate	1000.000	966.233	3.4	180	-0.02
48	T	Acenaphthylene	1000.000	1027.625	-2.8	200	-0.03
49	T	2,6-Dinitrotoluene	1000.000	943.001	5.7	157	-0.02
50	T	3-Nitroaniline	1000.000	1098.228	-9.8	182	-0.04
51	TC	Acenaphthene	1000.000	1092.700	-9.3	209	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : W:\113004\A08287A.D Vial: 0
Acq On : 30 Nov 2004 13:38 Operator: CLZ
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Dec 07 12:02:41 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	TP	2,4-Dinitrophenol	5000.000	4668.260	6.6	162	-0.02
53	TP	4-Nitrophenol	5000.000	5370.361	-7.4	176	-0.03
54	T	Dibenzofuran	1000.000	1048.971	-4.9	194	-0.01
55	T	2,4-Dinitrotoluene	1000.000	884.769	11.5	152	-0.06
56	T	2,3,4,6-Tetrachlorophenol	1000.000	1166.823	-16.7	196	0.00
57	T	2,3,5,6-Tetrachlorophenol	1000.000	0.000	100.0#	0	-9.84#
58	T	Diethylphthalate	1000.000	901.024	9.9	152	-0.04
59	T	Fluorene	1000.000	1048.679	-4.9	190	-0.05
60	T	4-Chlorophenylphenylether	1000.000	877.385	12.3	165	-0.03
61	T	4-Nitroaniline	1000.000	923.727	7.6	167	-0.03
62	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	189	-0.02
63	T	4,6-Dinitro-2-methylphenol	5000.000	4497.163	10.1	150	-0.03
64	T	n-Nitrosodiphenylamine	1000.000	973.167	2.7	171	-0.01
65	S	2,4,6 - Tribromophenol (S)	1000.000	1101.467	-10.1	176	-0.03
66	T	1,2-Diphenylhydrazine	1000.000	822.026	17.8	141	-0.02
67	T	4-Bromophenylphenylether	1000.000	824.465	17.6	169	-0.03
68	T	Hexachlorobenzene	1000.000	1057.518	-5.8	190	-0.02
69	TC	Pentachlorophenol	1000.000	997.714	0.2	192	-0.02
70	T	Phenanthrene	1000.000	1067.653	-6.8	188	0.00
71	T	Anthracene	1000.000	1003.114	-0.3	192	-0.02
72	T	Octadecane	1000.000	863.738	13.6	176	-0.03
73	T	Carbazole	1000.000	1010.285	-1.0	192	-0.03
74	T	Di-n-butylphthalate	1000.000	0.000	100.0#	0	-11.78#
75	TC	Fluoranthene	1000.000	916.577	8.3	163	0.00
76	T	Pyrene	1000.000	1004.038	-0.4	181	0.01
77	T	Benzidine	5000.000	5905.266	-18.1	222	-0.07
78	S	p - Terphenyl - d14 (S)	1000.000	1066.011	-6.6	200	-0.05
79	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	198	0.00
80	T	Butylbenzylphthalate	1000.000	1217.580	-21.8#	347	-0.04
81	T	Benzo(a)anthracene	1000.000	1258.308	-25.8#	233	0.00
82	T	3,3'-Dichlorobenzidine	1000.000	1262.960	-26.3#	234	0.00
83	T	Chrysene	1000.000	1138.333	-13.8	212	0.02
84	T	bis(2-Ethylhexyl)phthalate	1000.000	1125.955	-12.6	205	0.03
85	I	Perylene - d12 (I)	1000.000	1000.000	0.0	190	0.00
86	TC	Di-n-octylphthalate	1000.000	1164.263	-16.4	225	-0.08
87	T	Benzofluoranthenes	2000.000	2354.804	-17.7	222	0.00
88	TC	Benzo(a)pyrene	1000.000	1144.411	-14.4#	219	0.00
89	T	Indeno(1,2,3-cd)pyrene	1000.000	1232.271	-23.2#	238	0.00
90	T	Dibenz(a,h)anthracene	1000.000	1229.652	-23.0#	233	0.00
91	T	Benzo(g,h,i)perylene	1000.000	1215.993	-21.6#	221	-0.08

(#) = Out of Range SPCC's out = 0 CCC's out = 2

Data File : V:\DATA\120704\P54107.D Vial: 0
Acq On : 07 Dec 2004 13:25 Operator: CLZ
Sample : 1000 UG/L 8270 CAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 09:45:48 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 09:45:43 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.51	152	85042	1000.00 ug/L	0.00
21) Naphthalene - d8 (I)	8.10	136	323380	1000.00 ug/L	0.00
37) Acenaphthene - d10 (I)	10.15	162	181556	1000.00 ug/L	0.00
61) Phenanthrene - d10 (I)	11.81	188	352053	1000.00 ug/L	0.00
78) Chrysene - d12 (I)	15.28	240	725635	1000.00 ul/l	-0.02
84) Perylene - d12 (I)	18.87	264	768075	1000.00 ug/L	-0.05
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.88	112	66691	890.93 ug/L	0.02
7) Phenol - d5 (S)	6.14	99	99132	1099.96 ug/L	0.00
22) Nitrobenzene - d5 (S)	7.26	82	103463	1025.19 ug/L	0.00
42) 2 - Fluorobiphenyl (S)	9.36	172	153921	1062.84 ug/L	0.00
64) 2,4,6 - Tribromophenol (S)	11.05	330	58443	903.88 ug/L	0.00
77) p - Terphenyl - d14 (S)	13.62	244	307040	1116.61 ug/L	0.00
Target Compounds					Qvalue
2) N-Nitrosodimethylamine	3.12	74	185549	4269.57 ug/L	100
3) Pyridine	3.16	79	499558+	5184.45 ug/L	95
5) Cyclohexanone	5.17	55	23603	1040.71 ug/L #	1
6) Aniline	6.16	93	165684	1860.34 ug/L	100
8) Phenol	6.16	94	114462	1116.83 ug/L	59
9) bis(2-Chloroethyl)ether	6.23	63	37098	1175.71 ug/L	100
10) 2-Chlorophenol	6.30	128	69263	809.50 ug/L	62
11) Decane	6.30	57	44255	1012.13 ug/L	41
12) 1,3-Dichlorobenzene	6.47	146	87830	968.29 ug/L	91
13) 1,4-Dichlorobenzene	6.53	146	94608	961.29 ug/L	96
14) Benzyl alcohol	6.74	79	110072	1337.20 ug/L	98
15) 1,2-Dichlorobenzene	6.77	146	93434	1036.77 ug/L	70
16) 2-Methylphenol	6.91	108	70581	1136.32 ug/L	93
17) bis(2-chloroisopropyl)ethe	6.91	121	16436	1093.95 ug/L	100
18) 3-&4-Methylphenol	7.09	108	138488	1885.00 ug/L	81
19) n-Nitroso-di-n-propylamine	7.09	70	82267	1238.95 ug/L	98
20) Hexachloroethane	7.16	166	16273	956.49 ug/L #	55
23) Nitrobenzene	7.28	77	99444	1019.03 ug/L	49
24) Isophorone	7.56	82	166386	946.67 ug/L	89
25) 2-Nitrophenol	7.67	139	52508	961.05 ug/L	89
26) 2,4-Dimethylphenol	7.72	107	71182	747.49 ug/L	94
27) bis(2-Chloroethoxy)methane	7.82	93	104049	1029.78 ug/L	82
28) Benzoic Acid	7.85	105	241109	3396.75 ug/L	100
29) 2,4-Dichlorophenol	7.96	162	64309	905.64 ug/L	91
30) 1,2,4-Trichlorobenzene	8.05	180	71179	922.29 ug/L	98
31) Naphthalene	8.12	128	239514	975.46 ug/L	98
32) 4-Chloroaniline	8.22	127	76107	832.84 ug/L	100
33) Hexachlorobutadiene	8.32	225	58713	912.57 ug/L	87
34) 4-Chloro-3-methylphenol	8.78	107	89712	911.57 ug/L	98
35) 2-Methylnaphthalene	8.93	141	145977	928.57 ug/L	100
36) 1-Methylnaphthalene	9.06	141	142763	946.81 ul/l	95
38) Hexachlorocyclopentadiene	9.18	237	64316	810.09 ug/L	100
39) 2,3-Dichloroaniline	9.30	161	79310	810.82 ug/L #	1
40) 2,4,6-Trichlorophenol	9.29	196	39834	802.80 ug/L	94
41) 2,4,5-Trichlorophenol	9.34	196	43700	867.60 ug/L	85
43) 2-Chloronaphthalene	9.49	162	134513	889.95 ug/L	73
44) Biphenyl	9.47	154	164922	1000.90 ug/L	87
45) 2-Nitroaniline	9.66	138	53101	906.60 ug/L	100

(#) = qualifier out of range (m) = manual integration

Data File : V:\DATA\120704\P54107.D Vial: 0
Acq On : 07 Dec 2004 13:25 Operator: CLZ
Sample : 1000 UG/L 8270 CAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 09:45:48 2004 Quant Results File: 111604.RES

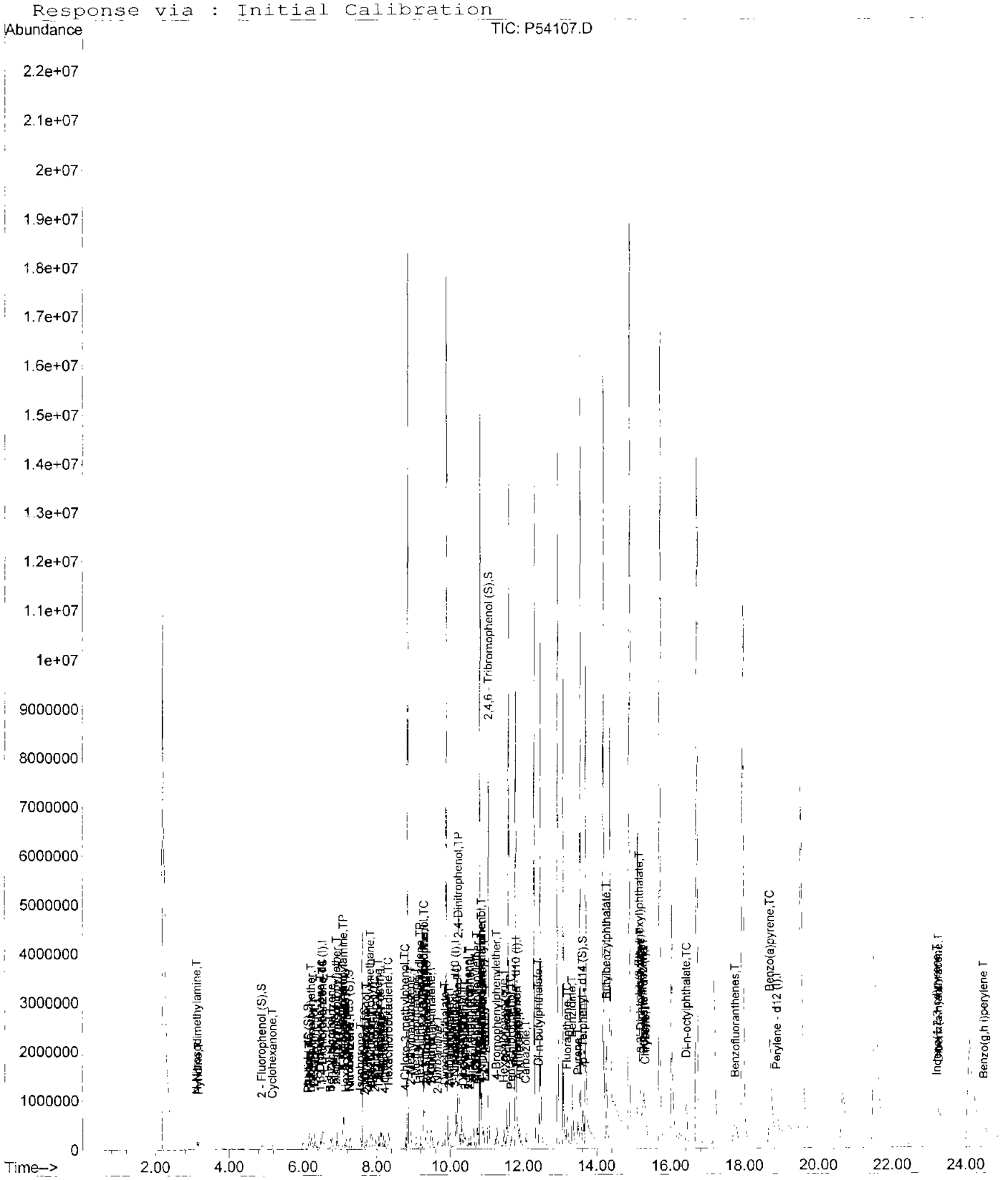
Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 09:45:43 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Dimethylphthalate	9.86	163	221832	1084.71	ug/L		99
47)	Acenaphthylene	9.98	152	174322	814.05	ug/L		96
48)	2,6-Dinitrotoluene	9.96	165	46802	1000.15	ug/L		77
49)	3-Nitroaniline	10.13	138	45552	962.90	ug/L		92
50)	Acenaphthene	10.19	153	149952	1055.42	ug/L		100
51)	2,4-Dinitrophenol	10.24	184	121134	4143.45	ug/L		70
52)	4-Nitrophenol	10.31	65	108538	7109.06	ug/L		72
53)	Dibenzofuran	10.36	168	186636	963.69	ug/L	#	21
54)	2,4-Dinitrotoluene	10.40	165	78423	1051.71	ug/L		52
55)	2,3,4,6-Tetrachlorophenol	10.50	232	58619	1040.91	ug/L		86
56)	2,3,5,6-Tetrachlorophenol	10.55	232	50674	903.64	ul/l		87
57)	Diethylphthalate	10.64	149	223686	1314.70	ug/L		65
58)	Fluorene	10.75	166	141816	1048.73	ug/L		83
59)	4-Chlorophenylphenylether	10.73	204	118340	969.72	ug/L		88
60)	4-Nitroaniline	10.88	138	890	19.56	ug/L	#	44
62)	4,6-Dinitro-2-methylphenol	10.85	198	318323	4647.74	ug/L		87
63)	n-Nitrosodiphenylamine	10.87	169	163334	947.86	ug/L	#	1
65)	1,2-Diphenylhydrazine	10.90	182	74127	862.52	ug/L	#	1
66)	4-Bromophenylphenylether	11.27	248	88958	843.11	ug/L	#	67
67)	Hexachlorobenzene	11.46	284	78643	916.46	ug/L		78
68)	Pentachlorophenol	11.66	266	49773	803.52	ug/L		96
69)	Phenanthrene	11.83	178	288183	1088.48	ug/L		82
70)	Anthracene	11.88	178	239261	957.42	ug/L		91
71)	Octadecane	11.54	57	115670	1372.47	ug/L		89
72)	Carbazole	12.07	167	198659	836.20	ug/L		75
73)	Di-n-butylphthalate	12.41	149	543537	1525.76	ug/L		96
74)	Fluoranthene	13.19	202	296909	956.34	ug/L		92
75)	Pyrene	13.48	202	326179	1091.48	ug/L		97
76)	Benzidine	13.33	184	1114871	5994.89	ug/L		100
79)	Butylbenzylphthalate	14.27	149	341303	1063.91	ug/L		82
80)	Benzo(a)anthracene	15.25	228	547243	1065.37	ug/L		90
81)	3,3'-Dichlorobenzidine	15.19	252	352583+	913.92	ug/L		97
82)	Chrysene	15.33	228	432097	982.07	ug/L		97
83)	bis(2-Ethylhexyl)phthalate	15.16	149	653670	1194.01	ug/L		93
85)	Di-n-octylphthalate	16.42	149	1004161	1063.34	ug/L		93
86)	Benzofluoranthenes	17.74	252	1160564	2069.69	ug/L		78
87)	Benzo(a)pyrene	18.69	252	581628	1123.69	ug/L		100
88)	Indeno(1,2,3-cd)pyrene	23.20	276	683510	1010.26	ug/L		100
89)	Dibenz(a,h)anthracene	23.26	278	599442	1052.98	ug/L		100
90)	Benzo(g,h,i)perylene	24.50	276	564200	1022.12	ug/L		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : V:\DATA\120704\P54107.D Vial: 0
Acq On : 07 Dec 2004 13:25 Operator: CLZ
Sample : 1000 UG/L 8270 CAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 8 9:45 2004 Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 09:45:43 2004
Response via : Initial Calibration



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Evaluate Continuing Calibration Report

Data File : V:\DATA\120704\P54107.D Vial: 0
Acq On : 07 Dec 2004 13:25 Operator: CLZ
Sample : 1000 UG/L 8270 CAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 09:45:43 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1000.000	1000.000	0.0	90	0.00
2	T	N-Nitrosodimethylamine	5000.000	4269.573	14.6	91	0.00
3	T	Pyridine	5000.000	5184.453	-3.7	84	0.00
4	S	2 - Fluorophenol (S)	1000.000	890.925	10.9	81	0.02
5	T	Cyclohexanone	1000.000	1040.710	-4.1	107	0.02
6	T	Aniline	1000.000	1860.341	-86.0#	159	-0.06
7	S	Phenol - d5 (S)	1000.000	1099.960	-10.0	96	0.00
8	TC	Phenol	1000.000	1116.835	-11.7	100	0.00
9	T	bis(2-Chloroethyl)ether	1000.000	1175.715	-17.6	118	0.00
10	T	2-Chlorophenol	1000.000	809.499	19.1	72	0.02
11	T	Decane	1000.000	1012.135	-1.2	90	0.00
12	T	1,3-Dichlorobenzene	1000.000	968.290	3.2	85	0.00
13	TC	1,4-Dichlorobenzene	1000.000	961.285	3.9	89	0.00
14	T	Benzyl alcohol	1000.000	1337.204	-33.7#	116	0.02
15	T	1,2-Dichlorobenzene	1000.000	1036.774	-3.7	91	0.00
16	T	2-Methylphenol	1000.000	1136.319	-13.6	108	0.02
17	T	bis(2-chloroisopropyl)ether	1000.000	1093.949	-9.4	93	0.00
18	T	3-&4-Methylphenol	2000.000	1884.996	5.8	85	0.03
19	TP	n-Nitroso-di-n-propylamine	1000.000	1238.953	-23.9#	103	-0.02
20	T	Hexachloroethane	1000.000	956.492	4.4	84	0.00
21	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	97	0.00
22	S	Nitrobenzene - d5 (S)	1000.000	1025.193	-2.5	109	0.00
23	T	Nitrobenzene	1000.000	1019.028	-1.9	106	-0.02
24	T	Isophorone	1000.000	946.673	5.3	96	0.00
25	TC	2-Nitrophenol	1000.000	961.054	3.9	92	-0.01
26	T	2,4-Dimethylphenol	1000.000	747.489	25.3#	74	0.00
27	T	bis(2-Chloroethoxy)methane	1000.000	1029.781	-3.0	98	0.00
28	T	Benzoic Acid	5000.000	3396.747	32.1#	60	-0.01
29	TC	2,4-Dichlorophenol	1000.000	905.638	9.4	89	0.00
30	T	1,2,4-Trichlorobenzene	1000.000	922.292	7.8	90	0.00
31	T	Naphthalene	1000.000	975.461	2.5	96	-0.02
32	T	4-Chloroaniline	1000.000	832.842	16.7	79	-0.05
33	TC	Hexachlorobutadiene	1000.000	912.572	8.7	86	0.02
34	TC	4-Chloro-3-methylphenol	1000.000	911.565	8.8	84	-0.02
35	T	2-Methylnaphthalene	1000.000	928.568	7.1	93	0.00
36	T	1-Methylnaphthalene	1000.000	946.805	5.3	94	0.00
37	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	85	0.00
38	TP	Hexachlorocyclopentadiene	1000.000	810.087	19.0	76	0.02
39	T	2,3-Dichloroaniline	1000.000	810.819	18.9	73	0.00
40	TC	2,4,6-Trichlorophenol	1000.000	802.805	19.7	70	0.00
41	T	2,4,5-Trichlorophenol	1000.000	867.600	13.2	74	0.00
42	S	2 - Fluorobiphenyl (S)	1000.000	1062.836	-6.3	91	0.00
43	T	2-Chloronaphthalene	1000.000	889.945	11.0	78	0.02
44	T	Biphenyl	1000.000	1000.905	-0.1	89	0.02
45	T	2-Nitroaniline	1000.000	906.596	9.3	78	0.00
46	T	Dimethylphthalate	1000.000	1084.706	-8.5	86	-0.01
47	T	Acenaphthylene	1000.000	814.047	18.6	68	0.01
48	T	2,6-Dinitrotoluene	1000.000	1000.152	-0.0	86	-0.02
49	T	3-Nitroaniline	1000.000	962.900	3.7	74	0.00
50	TC	Acenaphthene	1000.000	1055.417	-5.5	94	0.00
51	TP	2,4-Dinitrophenol	5000.000	4143.450	17.1	63	-0.02

(#) = Out of Range

Data File : V:\DATA\120704\P54107.D Vial: 0
Acq On : 07 Dec 2004 13:25 Operator: CLZ
Sample : 1000 UG/L 8270 CAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 09:45:43 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	TP	4-Nitrophenol	5000.000	7109.064	-42.2#	105	-0.02
53	T	Dibenzofuran	1000.000	963.689	3.6	82	0.00
54	T	2,4-Dinitrotoluene	1000.000	1051.711	-5.2	85	0.00
55	T	2,3,4,6-Tetrachlorophenol	1000.000	1040.910	-4.1	81	0.00
56	T	2,3,5,6-Tetrachlorophenol	1000.000	903.639	9.6	75	0.00
57	T	Diethylphthalate	1000.000	1314.698	-31.5#	110	-0.02
58	T	Fluorene	1000.000	1048.732	-4.9	84	-0.02
59	T	4-Chlorophenylphenylether	1000.000	969.725	3.0	83	0.00
60	T	4-Nitroaniline	1000.000	19.565	98.0#	2	0.02
61	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	101	0.00
62	T	4,6-Dinitro-2-methylphenol	5000.000	4647.736	7.0	86	0.00
63	T	n-Nitrosodiphenylamine	1000.000	947.862	5.2	94	0.00
64	S	2,4,6 - Tribromophenol (S)	1000.000	903.883	9.6	97	0.00
65	T	1,2-Diphenylhydrazine	1000.000	862.519	13.7	85	0.00
66	T	4-Bromophenylphenylether	1000.000	843.111	15.7	92	0.00
67	T	Hexachlorobenzene	1000.000	916.457	8.4	96	0.00
68	TC	Pentachlorophenol	1000.000	803.523	19.6	81	0.00
69	T	Phenanthrene	1000.000	1088.482	-8.8	105	-0.01
70	T	Anthracene	1000.000	957.421	4.3	92	-0.02
71	T	Octadecane	1000.000	1372.471	-37.2#	135	-0.01
72	T	Carbazole	1000.000	836.200	16.4	83	0.00
73	T	Di-n-butylphthalate	1000.000	1525.758	-52.6#	159	0.00
74	TC	Fluoranthene	1000.000	956.340	4.4	92	0.00
75	T	Pyrene	1000.000	1091.484	-9.1	110	0.00
76	T	Benzidine	5000.000	5994.888	-19.9	104	-0.01
77	S	p - Terphenyl - d14 (S)	1000.000	1116.610	-11.7	108	0.00
78	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	150	-0.02
79	T	Butylbenzylphthalate	1000.000	1063.911	-6.4	159	-0.04
80	T	Benzo(a)anthracene	1000.000	1065.371	-6.5	158	0.00
81	T	3,3'-Dichlorobenzidine	1000.000	913.915	8.6	131	-0.06
82	T	Chrysene	1000.000	982.070	1.8	143	-0.01
83	T	bis(2-Ethylhexyl)phthalate	1000.000	1194.009	-19.4	185	-0.08
84	I	Perylene - d12 (I)	1000.000	1000.000	0.0	153	-0.05
85	TC	Di-n-octylphthalate	1000.000	1063.343	-6.3	161	0.05
86	T	Benzofluoranthenes	2000.000	2069.695	-3.5	148	-0.03
87	TC	Benzo(a)pyrene	1000.000	1123.689	-12.4	164	-0.05
88	T	Indeno(1,2,3-cd)pyrene	1000.000	1010.260	-1.0	147	-0.01
89	T	Dibenz(a,h)anthracene	1000.000	1052.979	-5.3	156	-0.01
90	T	Benzo(g,h,i)perylene	1000.000	1022.125	-2.2	151	-0.05

Data File : V:\DATA\120704\P54107.D Vial: 0
Acq On : 07 Dec 2004 13:25 Operator: CLZ
Sample : 1000 UG/L 8270 CAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 09:45:43 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4 (I)	1.000	1.000	0.0	90	0.00
2	T	N-Nitrosodimethylamine	0.511	0.436#	14.7	91	0.00
3	T	Pyridine	1.133	1.175#	-3.7	84	0.00
4	S	2 - Fluorophenol (S)	0.880	0.784#	10.9	81	0.02
5	T	Cyclohexanone	0.267	0.278#	-4.1	107	0.02
6	T	Aniline	1.047	1.948#	-86.1#	159#	-0.06
7	S	Phenol - d5 (S)	1.060	1.166#	-10.0	96	0.00
8	TC	Phenol	1.205	1.346#	-11.7	100	0.00
9	T	bis(2-Chloroethyl)ether	0.371	0.436#	-17.5	118	0.00
10	T	2-Chlorophenol	1.006	0.814#	19.1	72	0.02
11	T	Decane	0.514	0.520#	-1.2	90	0.00
12	T	1,3-Dichlorobenzene	1.067	1.033#	3.2	85	0.00
13	TC	1,4-Dichlorobenzene	1.157	1.112#	3.9	89	0.00
14	T	Benzyl alcohol	0.968	1.294#	-33.7#	116	0.02
15	T	1,2-Dichlorobenzene	1.060	1.099#	-3.7	91	0.00
16	T	2-Methylphenol	0.730	0.830#	-13.7	108	0.02
17	T	bis(2-chloroisopropyl)ether	0.177	0.193#	-9.0	93	0.00
18	T	3-&4-Methylphenol	0.864	0.814#	5.8	85	0.03
19	TP	n-Nitroso-di-n-propylamine	0.781	0.967	-23.8#	103	-0.02
20	T	Hexachloroethane	0.200	0.191#	4.5	84	0.00
21	I	Naphthalene - d8 (I)	1.000	1.000	0.0	97	0.00
22	S	Nitrobenzene - d5 (S)	0.312	0.320#	-2.6	109	0.00
23	T	Nitrobenzene	0.302	0.308#	-2.0	106	-0.02
24	T	Isophorone	0.544	0.515#	5.3	96	0.00
25	TC	2-Nitrophenol	0.169	0.162#	4.1	92	-0.01
26	T	2,4-Dimethylphenol	0.294	0.220#	25.2#	74	0.00
27	T	bis(2-Chloroethoxy)methane	0.312	0.322#	-3.2	98	0.00
28	T	Benzoic Acid	0.220	0.149#	32.3#	60	-0.01
29	TC	2,4-Dichlorophenol	0.220	0.199#	9.5	89	0.00
30	T	1,2,4-Trichlorobenzene	0.239	0.220#	7.9	90	0.00
31	T	Naphthalene	0.759	0.741#	2.4	96	-0.02
32	T	4-Chloroaniline	0.283	0.235#	17.0	79	-0.05
33	TC	Hexachlorobutadiene	0.199	0.182#	8.5	86	0.02
34	TC	4-Chloro-3-methylphenol	0.304	0.277#	8.9	84	-0.02
35	T	2-Methylnaphthalene	0.486	0.451#	7.2	93	0.00
36	T	1-Methylnaphthalene	0.466	0.441#	5.4	94	0.00
37	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	85	0.00
38	TP	Hexachlorocyclopentadiene	0.437	0.354	19.0	76	0.02
39	T	2,3-Dichloroaniline	0.539	0.437#	18.9	73	0.00
40	TC	2,4,6-Trichlorophenol	0.273	0.219#	19.8	70	0.00
41	T	2,4,5-Trichlorophenol	0.277	0.241#	13.0	74	0.00
42	S	2 - Fluorobiphenyl (S)	0.798	0.848#	-6.3	91	0.00
43	T	2-Chloronaphthalene	0.833	0.741#	11.0	78	0.02
44	T	Biphenyl	0.908	0.908#	0.0	89	0.02
45	T	2-Nitroaniline	0.323	0.292#	9.6	78	0.00
46	T	Dimethylphthalate	1.126	1.222#	-8.5	86	-0.01
47	T	Acenaphthylene	1.179	0.960#	18.6	68	0.01
48	T	2,6-Dinitrotoluene	0.258	0.258#	0.0	86	-0.02
49	T	3-Nitroaniline	0.261	0.251#	3.8	74	0.00
50	TC	Acenaphthene	0.783	0.826#	-5.5	94	0.00
51	TP	2,4-Dinitrophenol	0.161	0.133	17.4	63	-0.02

(#) = Out of Range

Evaluate Continuing Calibration Rep

Data File : V:\DATA\120704\P54107.D Vial: 0
Acq On : 07 Dec 2004 13:25 Operator: CLZ
Sample : 1000 UG/L 8270 CAL STD NO 1281-1-6 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 09:45:43 2004
Response via : Multiple Level Calibration

Min. RRF : 2.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	TP	4-Nitrophenol	0.084	0.120	-42.9#	105	-0.02
53	T	Dibenzofuran	1.067	1.028#	3.7	82	0.00
54	T	2,4-Dinitrotoluene	0.411	0.432#	-5.1	85	0.00
55	T	2,3,4,6-Tetrachlorophenol	0.310	0.323#	-4.2	81	0.00
56	T	2,3,5,6-Tetrachlorophenol	0.309	0.279#	9.7	75	0.00
57	T	Diethylphthalate	0.937	1.232#	-31.5#	110	-0.02
58	T	Fluorene	0.745	0.781#	-4.8	84	-0.02
59	T	4-Chlorophenylphenylether	0.672	0.652#	3.0	83	0.00
60	T	4-Nitroaniline	0.251	0.005#	98.0#	2#	0.02
61	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	101	0.00
62	T	4,6-Dinitro-2-methylphenol	0.195	0.181#	7.2	86	0.00
63	T	n-Nitrosodiphenylamine	0.489	0.464#	5.1	94	0.00
64	S	2,4,6 - Tribromophenol (S)	0.184	0.166#	9.8	97	0.00
65	T	1,2-Diphenylhydrazine	0.244	0.211#	13.5	85	0.00
66	T	4-Bromophenylphenylether	0.300	0.253#	15.7	92	0.00
67	T	Hexachlorobenzene	0.244	0.223#	8.6	96	0.00
68	TC	Pentachlorophenol	0.176	0.141#	19.9	81	0.00
69	T	Phenanthrene	0.752	0.819#	-8.9	105	-0.01
70	T	Anthracene	0.710	0.680#	4.2	92	-0.02
71	T	Octadecane	0.239	0.329#	-37.7#	135	-0.01
72	T	Carbazole	0.675	0.564#	16.4	83	0.00
73	T	Di-n-butylphthalate	1.012	1.544#	-52.6#	159#	0.00
74	TC	Fluoranthene	0.882	0.843#	4.4	92	0.00
75	T	Pyrene	0.849	0.927#	-9.2	110	0.00
76	T	Benzidine	0.528	0.633#	-19.9	104	-0.01
77	S	p - Terphenyl - d14 (S)	0.781	0.872#	-11.7	108	0.00
78	I	Chrysene - d12 (I)	1.000	1.000	0.0	150	-0.02
79	T	Butylbenzylphthalate	0.442	0.470#	-6.3	159#	-0.04
80	T	Benzo(a)anthracene	0.708	0.754#	-6.5	158#	0.00
81	T	3,3'-Dichlorobenzidine	0.532	0.486#	8.6	131	-0.06
82	T	Chrysene	0.606	0.595#	1.8	143	-0.01
83	T	bis(2-Ethylhexyl)phthalate	0.754	0.901#	-19.5	185#	-0.08
84	I	Perylene - d12 (I)	1.000	1.000	0.0	153#	-0.05
85	TC	Di-n-octylphthalate	1.229	1.307#	-6.3	161#	0.05
86	T	Benzofluoranthenes	0.730	0.756#	-3.6	148	-0.03
87	TC	Benzo(a)pyrene	0.674	0.757#	-12.3	164#	-0.05
88	T	Indeno(1,2,3-cd)pyrene	0.881	0.890#	-1.0	147	-0.01
89	T	Dibenz(a,h)anthracene	0.741	0.780#	-5.3	156#	-0.01
90	T	Benzo(g,h,i)perylene	0.719	0.735#	-2.2	151#	-0.05

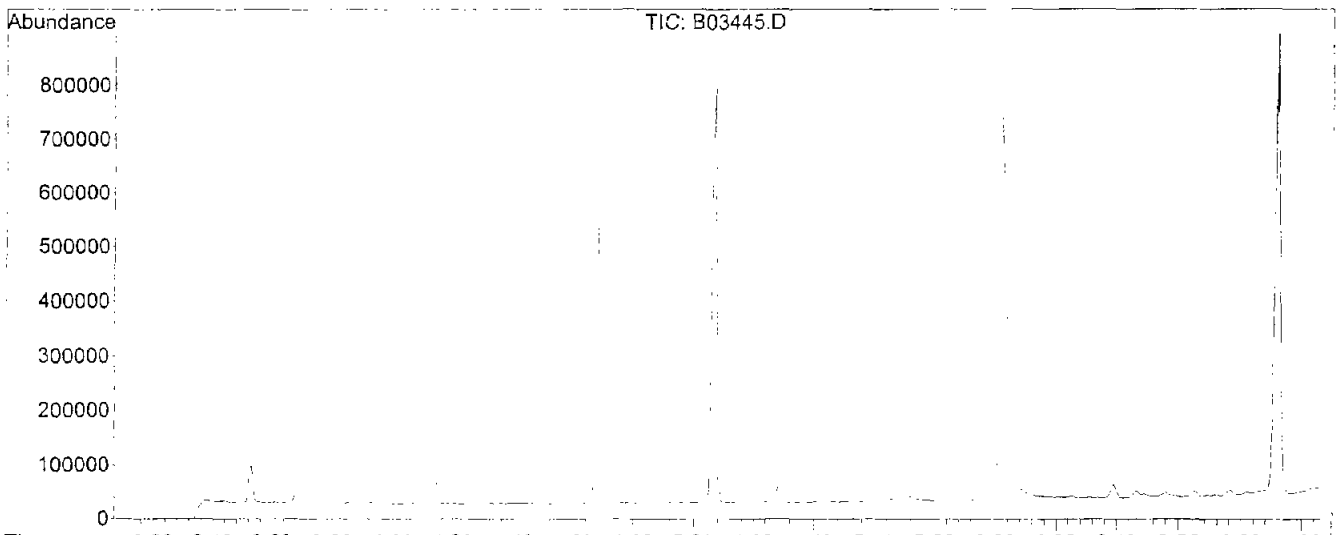
DFTPP TUNING

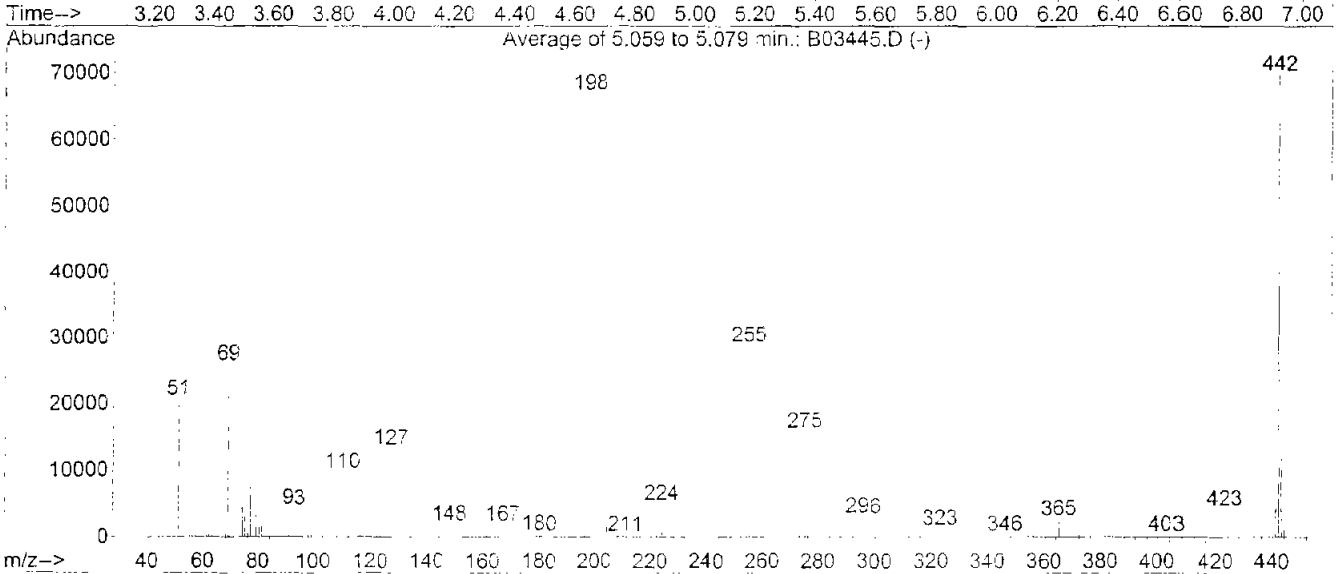
00764

DFTPP

Data File : U:\DATA\111504\B03445.D
Acq On : 15 Nov 2004 15:32
Sample : DFTPP 11/15/04
Misc :
MS Integration Params: rteint.p
Method : U:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00





AutoFind: Scans 506, 507, 508; Background Corrected with Scan 500

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	29.3	20477	PASS
68	69	0.00	2	1.9	500	PASS
69	198	0.00	100	38.6	25795	PASS
70	69	0.00	2	0.0	0	PASS
127	442	10	80	18.7	13083	PASS
197	198	0.00	1	0.3	218	PASS
198	198	100	100	100.0	66752	PASS
199	198	5	9	5.5	3698	PASS
275	442	10	60	22.5	15693	PASS
365	198	1	100	3.7	2482	PASS
441	443	0.01	100	81.0	9641	PASS
442	442	50	100	100.0	69778	PASS
443	442	15	24	17.1	11902	PASS

B03445.D DFTPP.M Wed Nov 17 09:34:55 2004

00765

315.00	373	335.00	43	372.00	313	441.00	5041
316.00	24	341.00	14	373.00	155	442.00	69778
321.00	70	345.00	20	376.00	43	443.00	11902

Average of 5.059 to 5.079 min.: B03445.D

DFTPP 11/15/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.00	1015	61.00	349	74.00	4600	86.00	995
48.00	49	62.00	368	75.00	3053	87.00	202
49.00	401	63.00	824	76.00	591	88.00	17
50.00	8759	64.00	114	77.00	15352	89.00	133
51.00	20477	65.00	67	78.00	863	91.00	510
52.00	769	67.00	60	79.00	3836	92.00	379
55.00	443	68.00	500	80.00	1480	93.00	4095
56.00	318	69.00	25795	81.00	1783	94.00	36

Average of 5.059 to 5.079 min.: B03445.D

DFTPP 11/15/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	25	109.00	1	121.00	245	135.00	533
97.00	88	110.00	9488	122.00	528	136.00	143
98.00	4220	111.00	1056	123.00	864	137.00	297
99.00	1670	112.00	347	124.00	158	140.00	29
101.00	455	113.00	35	125.00	48	141.00	1129
103.00	583	114.00	50	127.00	13083	142.00	155
104.00	634	115.00	79	128.00	756	143.00	282
105.00	993	116.00	660	129.00	5348	146.00	257
106.00	144	117.00	9957	130.00	313	147.00	402
107.00	6582	118.00	412	131.00	172	148.00	1621
108.00	1351	119.00	50	134.00	167	149.00	103

Average of 5.059 to 5.079 min.: B03445.D

DFTPP 11/15/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
150.00	318	162.00	98	176.00	123	190.00	65
151.00	113	164.00	19	177.00	236	191.00	140
153.00	288	165.00	423	178.00	123	193.00	118
154.00	60	166.00	108	179.00	918	196.00	449
155.00	252	167.00	1629	180.00	240	197.00	218
156.00	480	168.00	759	181.00	183	198.00	66752
157.00	45	169.00	155	183.00	84	199.00	3698
158.00	57	172.00	224	185.00	191	200.00	94
159.00	127	173.00	43	186.00	5067	201.00	86
160.00	432	174.00	57	187.00	1092	202.00	86
161.00	300	175.00	321	189.00	173	203.00	51

Average of 5.059 to 5.079 min.: B03445.D

DFTPP 11/15/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
204.00	1898	220.00	13	235.00	122	258.00	597
205.00	1700	221.00	476	236.00	210	259.00	19
206.00	9100	222.00	312	243.00	19	264.00	84
207.00	1466	223.00	639	244.00	3678	265.00	413
208.00	162	224.00	4788	245.00	178	268.00	58
210.00	142	225.00	978	246.00	978	273.00	757
211.00	96	226.00	84	247.00	285	274.00	2483
212.00	22	227.00	2083	254.00	55	275.00	15693
213.00	263	228.00	270	255.00	28668	276.00	1679
217.00	2309	229.00	333	256.00	3264	277.00	1121
218.00	101	231.00	197	257.00	422	278.00	79

Average of 5.059 to 5.079 min.: B03445.D

DFTPP 11/15/04

Modified:subtracted

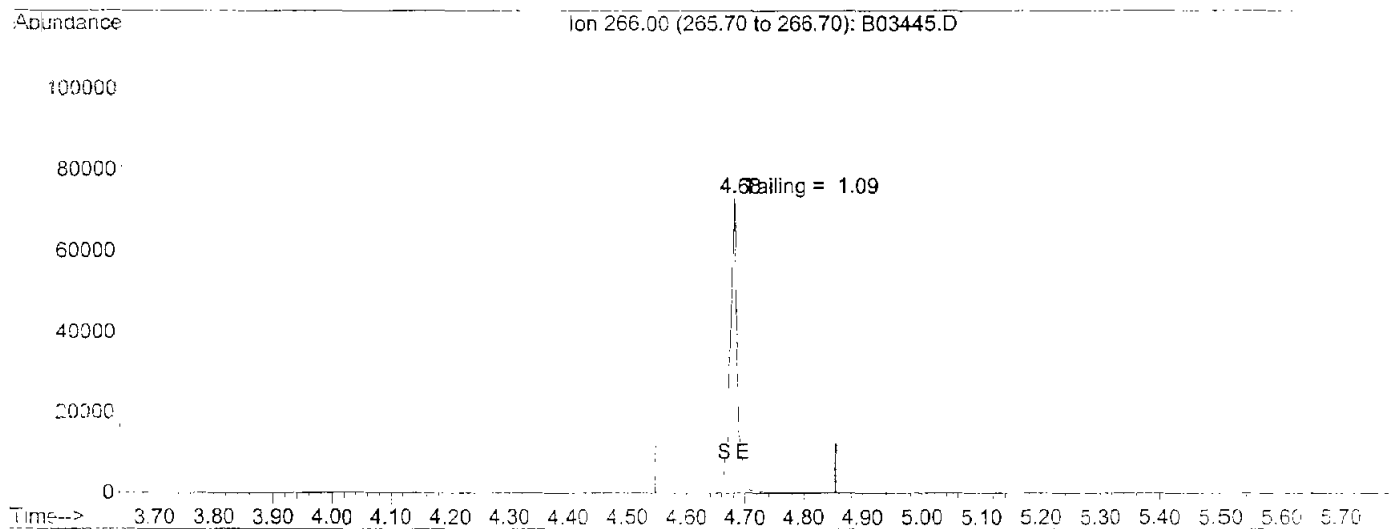
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
293.00	159	323.00	998	346.00	181	392.00	50
295.00	55	324.00	101	349.00	112	403.00	111
296.00	2836	327.00	273	353.00	231	415.00	17
297.00	101	328.00	79	354.00	289	420.00	39
300.00	20	329.00	82	364.00	56	421.00	240
302.00	86	331.00	23	365.00	2482	423.00	4016
303.00	409	333.00	101	366.00	294	424.00	746
312.00	57	334.00	403	371.00	70	425.00	57

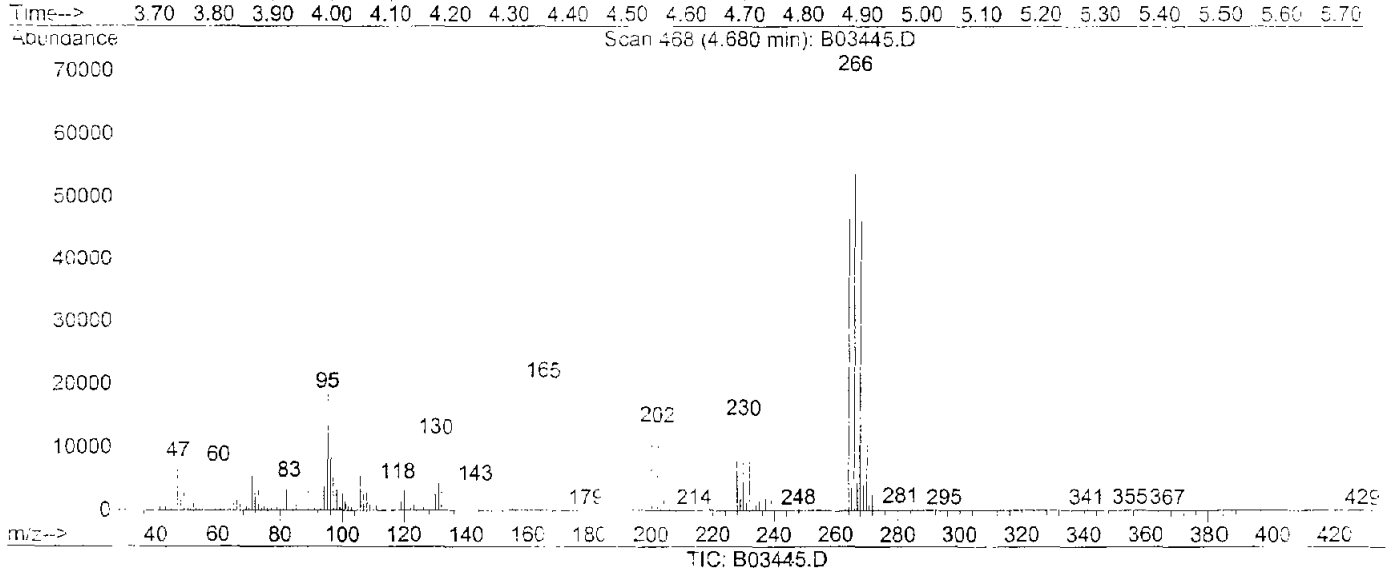
Quantitation Report (Qedit)

Data File : U:\DATA\111504\B03445.D
Acq On : 15 Nov 2004 15:32
Sample : DFTPP 11/15/04
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 17 9:35 2004

Vial: 3
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : U:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Nov 17 09:35:16 2004
Response via : Single Level Calibration





(1) Pentachlorophenol (T)

4.68min 0.09

response 73088

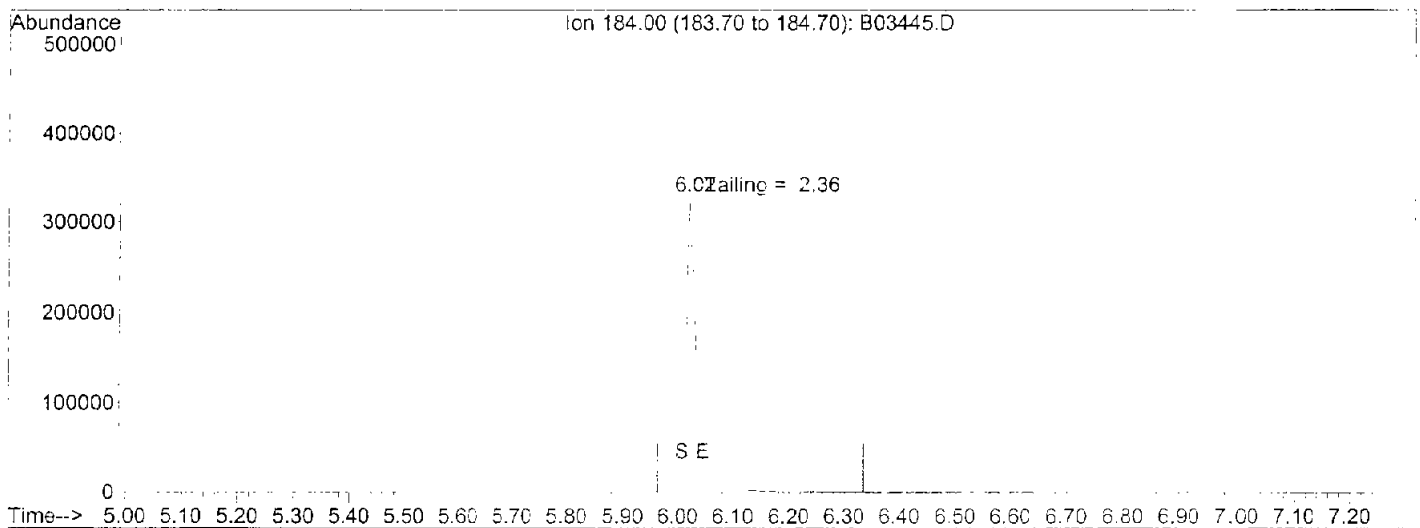
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

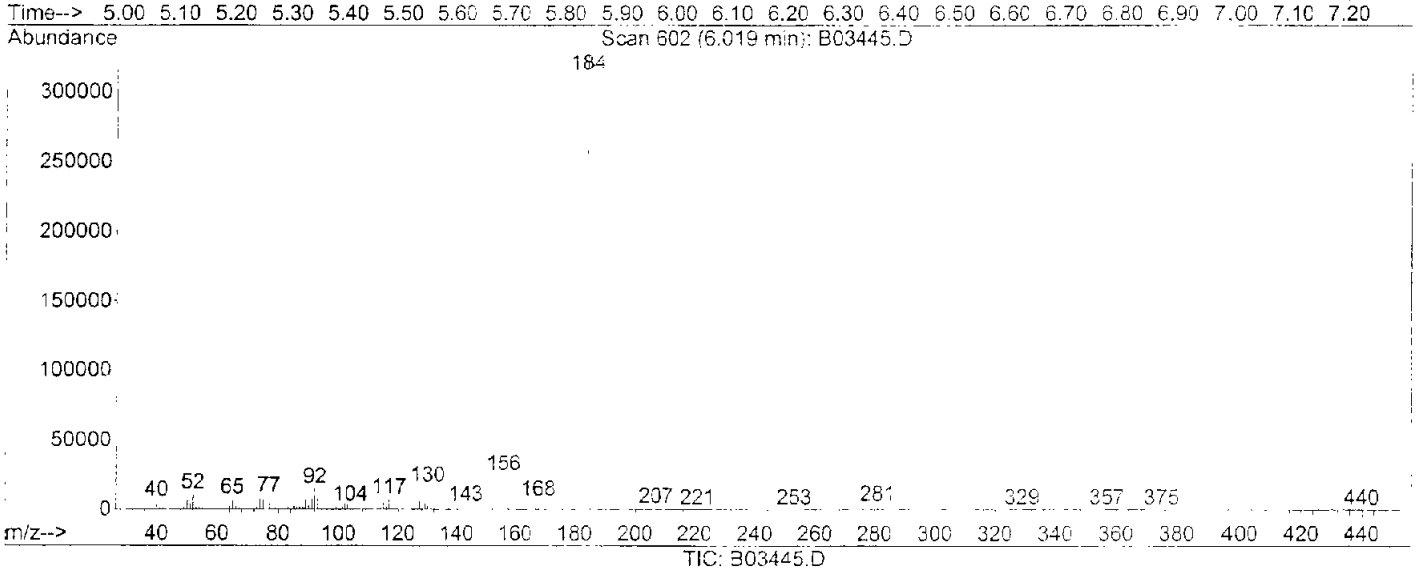
Quantitation Report (Qedit)

Data File : U:\DATA\111504\B03445.D
Acq On : 15 Nov 2004 15:32
Sample : DFTPP 11/15/04
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 17 9:35 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : U:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Nov 17 09:35:16 2004
Response via : Single Level Calibration





(3) Benzidine (T)

6.02min 0.15

response 329280

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File Name **B03445.D**
Data File Path **U:\DATA\111504**
Operator **CLZ**

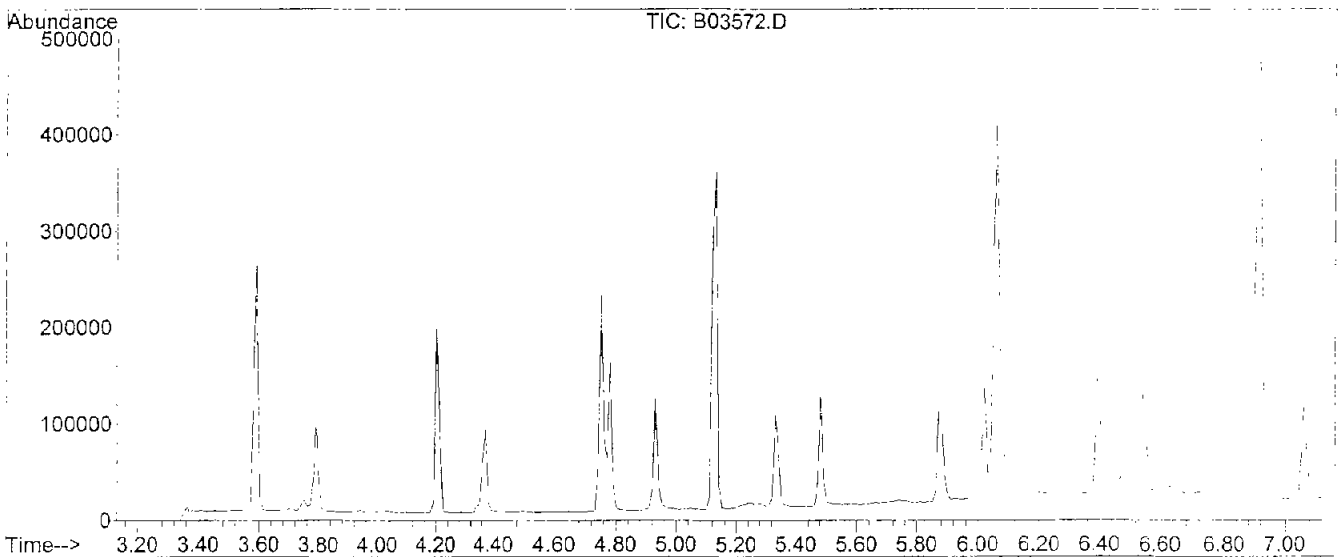
Sample Name **DFTPP 11/15/04**

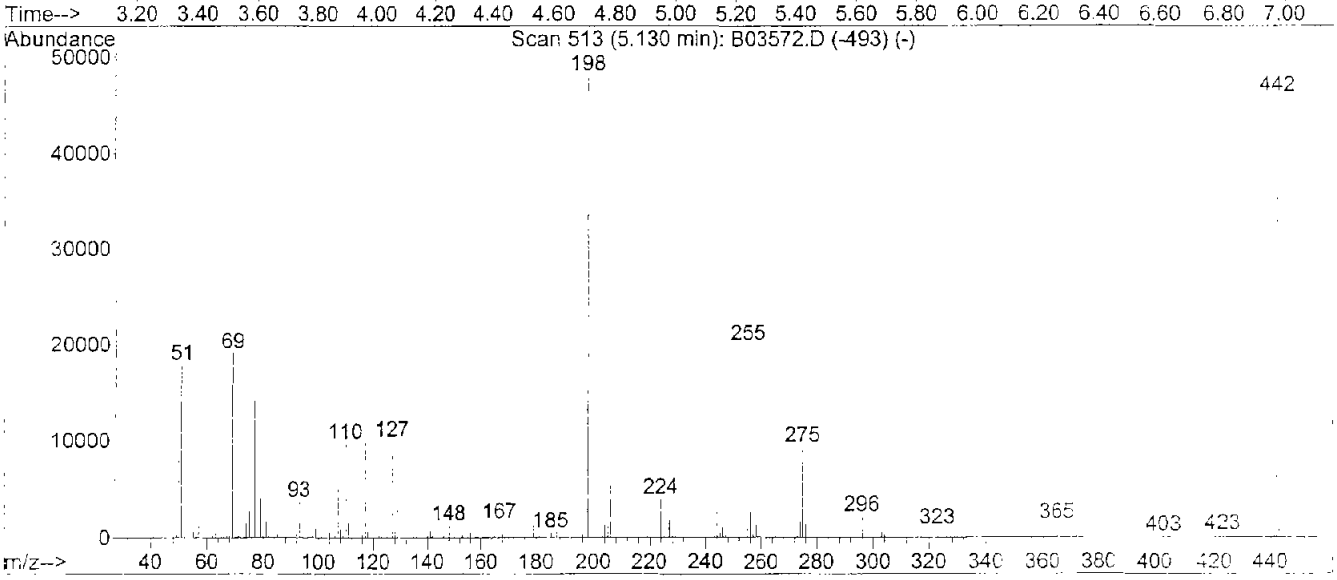
#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	6.92	178665	1.26%
5)	DDD	0.00	0	Pass
6)	DDE	6.64	2286	
		SUM	180951	

DFTPP

Data File : U:\DATA\113004\B03572.D
Acq On : 30 Nov 2004 15:28
Sample : DFTPP 11/30/04
Misc :
MS Integration Params: RTEINT.P
Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration

Vial: 6
Operator: CLZ
Inst :
Multiplr: 1.00





Spectrum Information: Scan 513

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.1	17858	PASS
68	69	0.00	2	1.8	341	PASS
69	198	0.00	100	39.6	19088	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	20.6	9936	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	48164	PASS
199	198	5	9	6.0	2878	PASS
275	198	10	60	19.3	9311	PASS
365	198	1	100	2.9	1401	PASS
441	443	0.01	100	84.8	6969	PASS
442	198	40	100	95.2	45832	PASS
443	442	15	24	17.9	8216	PASS

B03572.D 111604.M Sat Dec 04 10:22:28 2004

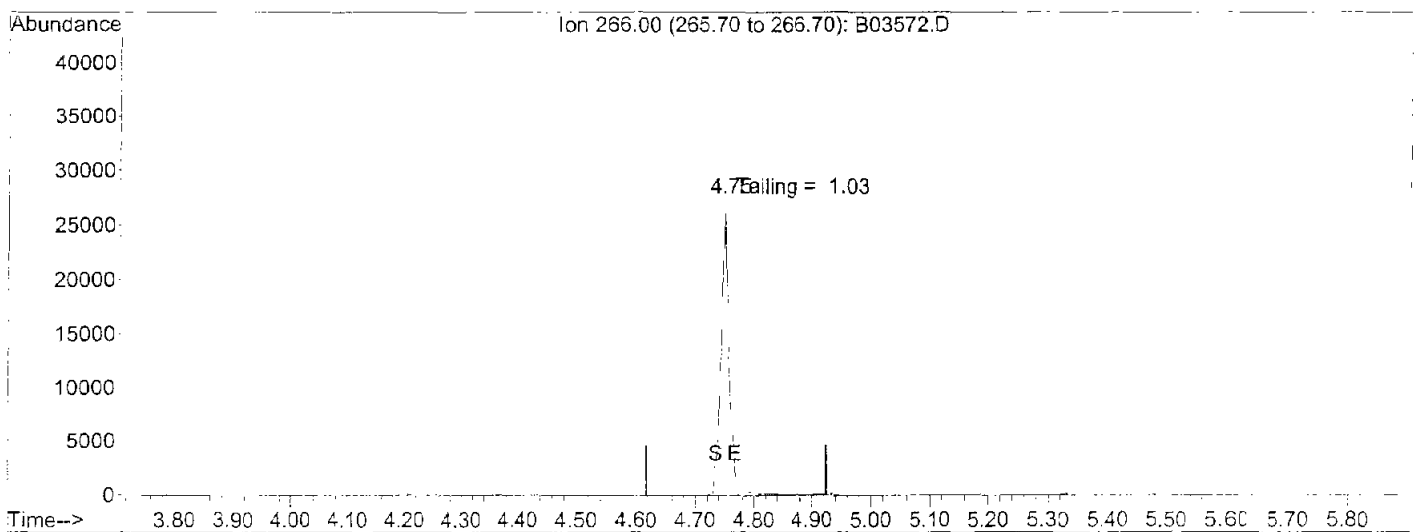
00770

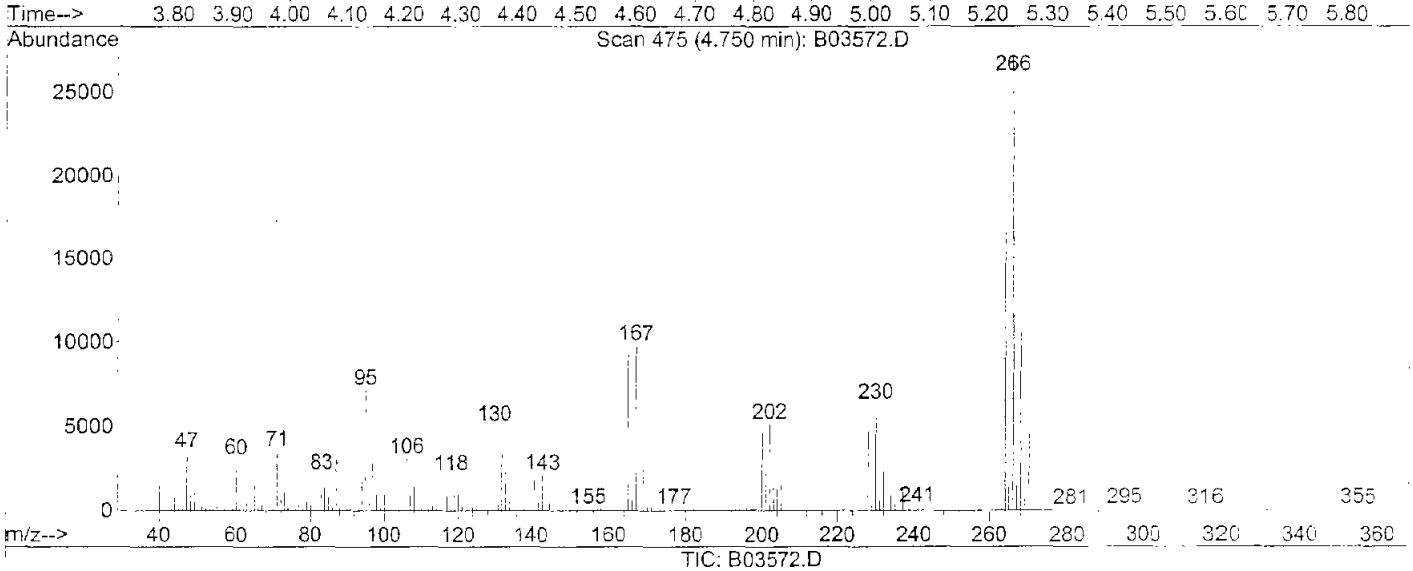
Quantitation Report (Qedit)

Data File : U:\DATA\113004\B03572.D
Acq On : 30 Nov 2004 15:28
Sample : DFTPP 11/30/04
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 4 10:23 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : U:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Sat Dec 04 10:23:13 2004
Response via : Single Level Calibration





(1) Pentachlorophenol (T)

4.75min 0.03

response 27408

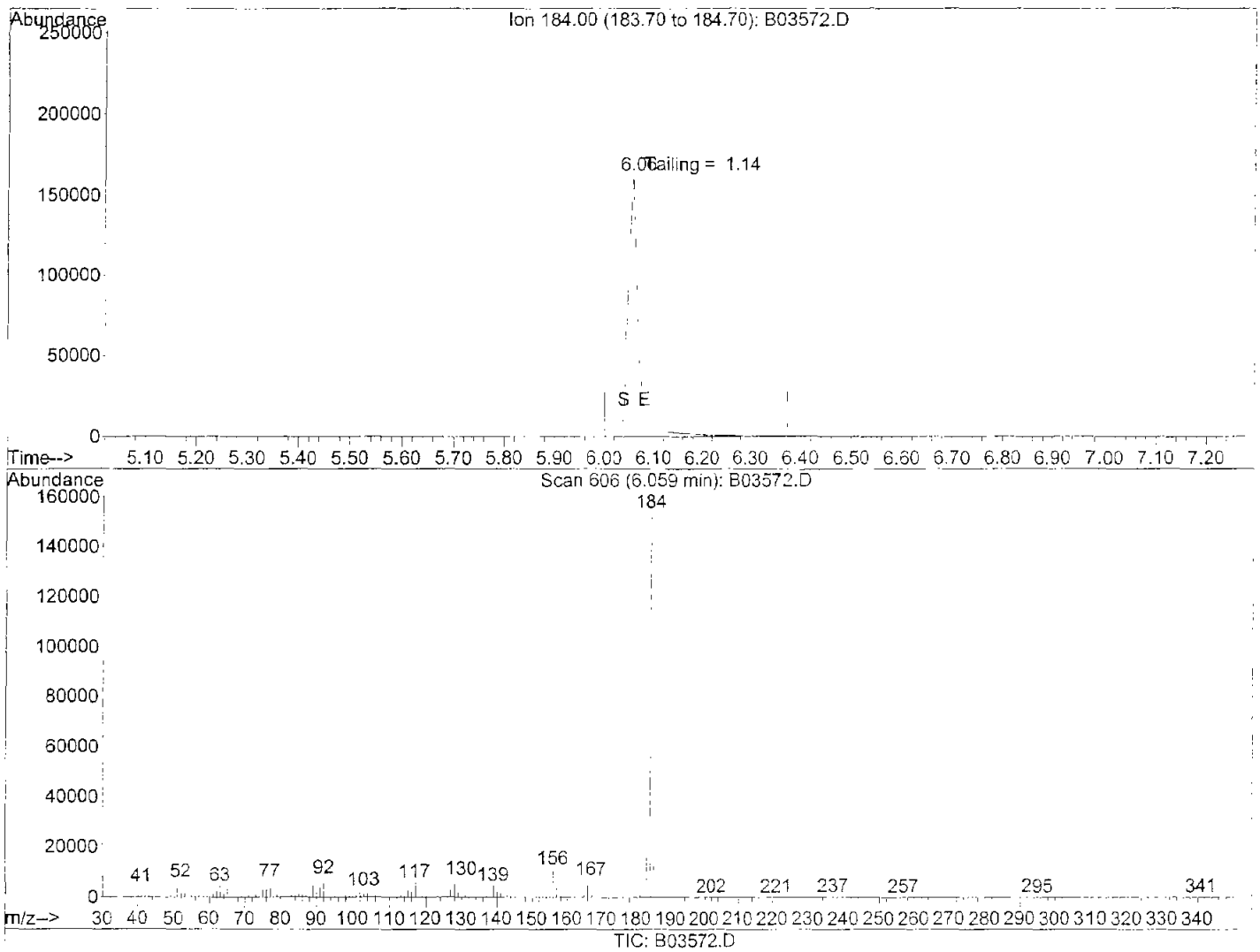
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : U:\DATA\113004\B03572.D
Acq On : 30 Nov 2004 15:28
Sample : DFTPP 11/30/04
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 4 10:23 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : U:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Sat Dec 04 10:23:13 2004
Response via : Single Level Calibration



(3) Benzidine (T)

6.06min 0.08

response 162240

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File Name **B03572.D**
Data File Path **U:\DATA\113004**
Operator **CLZ**

Sample Name **DFTPP 11/30/04**

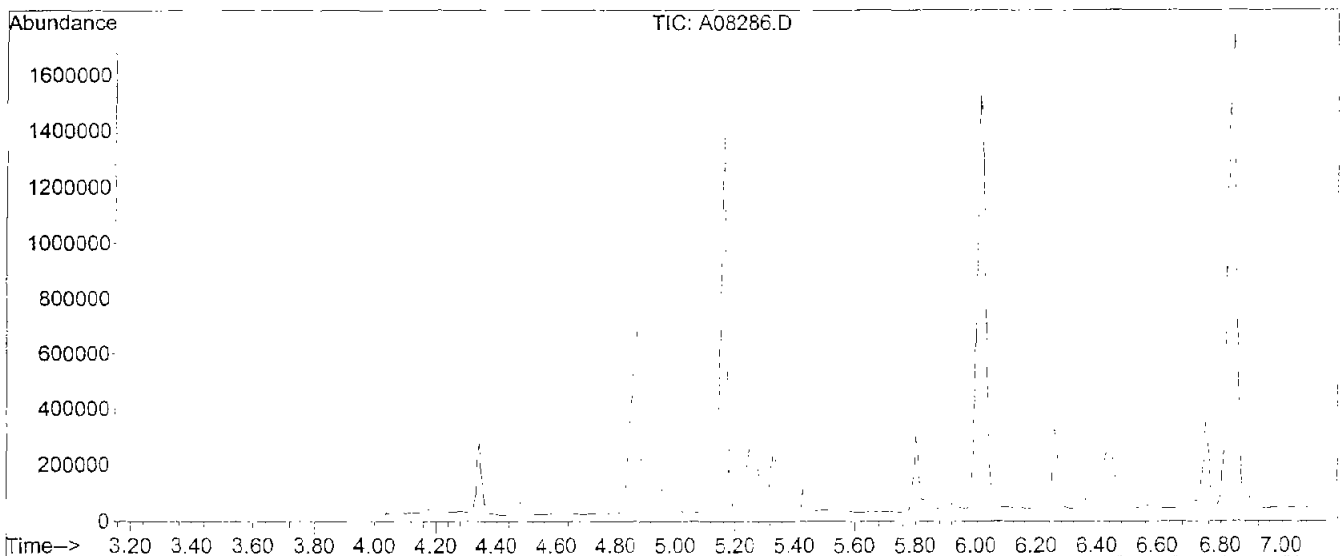
#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	6.91	101804	1.06%
5)	DDD	6.27	100	Pass
6)	DDE	6.65	991	
		SUM	102895	

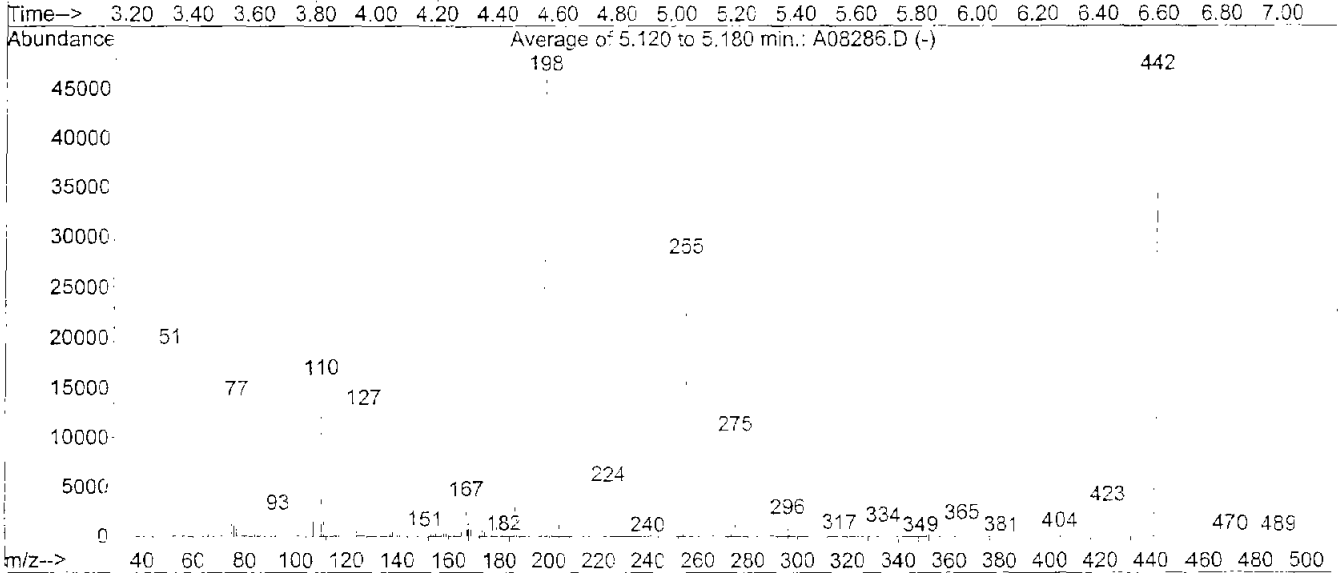
45587

00173

Data File : W:\113004\A08286.D
Acq On : 30 Nov 2004 12:48
Sample : DFTPP 11/30/04
Misc :
MS Integration Params: rteint.p
Method : W:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00





Spectrum Information: Average of 5.120 to 5.180 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	40.7	18891	PASS
68	69	0.00	2	0.7	85	PASS
69	198	0.00	100	24.9	11563	PASS
70	69	0.00	2	1.2	141	PASS
127	442	10	80	27.6	12833	PASS
197	198	0.00	1	0.4	188	PASS
198	442	50	100	99.8	46348	PASS
199	198	5	9	5.4	2507	PASS
275	442	10	60	21.9	10193	PASS
365	442	1	100	2.7	1276	PASS
441	443	0.01	100	67.6	5779	PASS
442	442	50	100	100.0	46450	PASS
443	442	15	24	18.4	8551	PASS

333.00	196	361.00	102	404.00	423	441.00	5779
334.00	976	365.00	1276	406.00	4	442.00	46450

Average of 5.120 to 5.180 min.: A08286.D

DFTPP 11/30/04 6

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
		64.00	235	80.00	1440	99.00	1559
		66.00	286	83.00	80	100.00	271
443.00	8551	493.00	5	85.00	262	102.00	34
444.00	1293	70.00	141	86.00	1345	104.00	942
445.00	119	71.00	279	87.00	735	105.00	125
449.00	26	75.00	1860	89.00	141	107.00	6940
450.00	25	76.00	1778	92.00	792	108.00	1452
452.00	4	77.00	13727	93.00	2217	110.00	15834
465.00	20	78.00	831	94.00	230	111.00	2307
467.00	5	79.00	3564	98.00	4674	112.00	85
470.00	136						
479.00	18						
489.00	25						

5.180 min.: A08286.D

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
113.00	78	128.00	969	143.00	244	160.00	254
114.00	27	129.00	4479	144.00	234	161.00	280
115.00	176	130.00	74	146.00	33	162.00	306
116.00	484	134.00	413	151.00	575	164.00	43
117.00	12353	136.00	50	153.00	737	165.00	560
122.00	445	137.00	336	154.00	232	166.00	898
123.00	1154	138.00	579	155.00	387	167.00	3582
124.00	512	139.00	423	156.00	608	168.00	1402
125.00	177	140.00	133	157.00	340	169.00	682
126.00	166	141.00	1343	158.00	582	170.00	22
127.00	12833	142.00	139	159.00	294	171.00	74

Average of 5.120 to 5.180 min.: A08286.D

DFTPP 11/30/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
172.00	190	185.00	482	204.00	1331	218.00	218
173.00	699	186.00	4910	205.00	109	219.00	5
174.00	662	187.00	1967	206.00	11343	224.00	5083
175.00	489	188.00	27	210.00	380	225.00	1424
177.00	516	189.00	822	211.00	372	226.00	13
179.00	997	196.00	413	212.00	250	227.00	1781
180.00	261	197.00	188	213.00	90	228.00	510
181.00	194	198.00	46348	214.00	72	229.00	107
182.00	160	199.00	2507	215.00	13	230.00	16
183.00	23	200.00	521	216.00	146	231.00	395
184.00	28	201.00	356	217.00	1934	232.00	114

Average of 5.120 to 5.180 min.: A08286.D

DFTPP 11/30/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
233.00	66	250.00	115	270.00	10	289.00	18
236.00	38	254.00	241	271.00	65	292.00	18
237.00	86	255.00	27820	273.00	405	293.00	418
238.00	36	256.00	3729	274.00	2701	294.00	166
239.00	3	257.00	327	275.00	10193	296.00	1803
240.00	33	258.00	1921	276.00	1435	297.00	307
241.00	142	259.00	301	277.00	1534	299.00	23
243.00	231	262.00	17	278.00	87	303.00	282
244.00	2906	263.00	5	279.00	27	304.00	103
245.00	735	264.00	98	280.00	6	309.00	27
246.00	702	266.00	370	286.00	11	311.00	15

Average of 5.120 to 5.180 min.: A08286.D

DFTPP 11/30/04

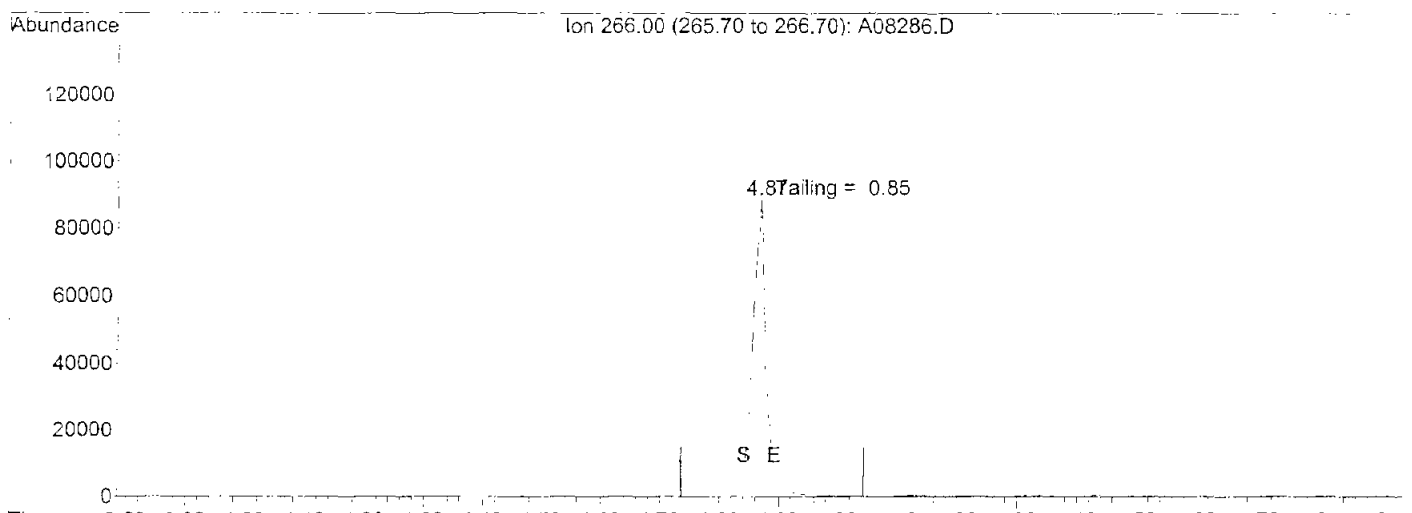
Modified:subtracted

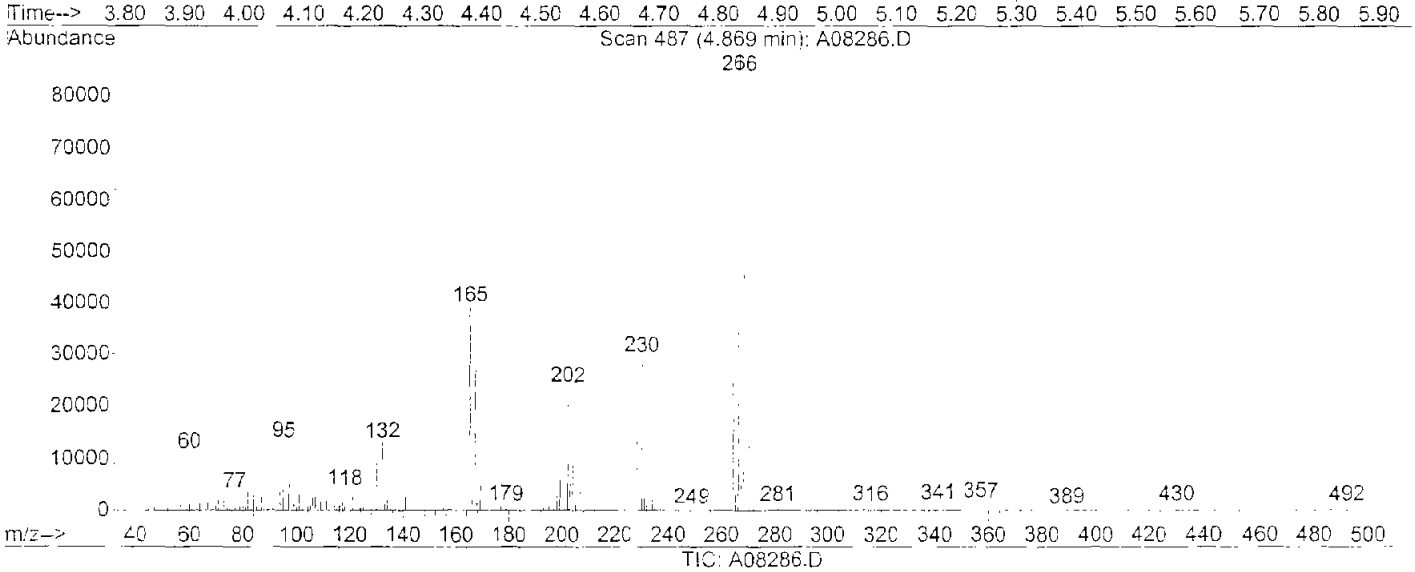
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
313.00	107	335.00	448	366.00	209	418.00	294
315.00	48	345.00	23	370.00	363	420.00	9
316.00	234	346.00	8	373.00	229	421.00	90
317.00	250	347.00	24	376.00	16	422.00	432
319.00	24	349.00	12	381.00	3	423.00	3065
320.00	227	351.00	81	390.00	67	424.00	390
323.00	499	352.00	395	391.00	5	427.00	5
324.00	9	353.00	165	393.00	13	437.00	6

Data File : W:\113004\A08286.D
Acq On : 30 Nov 2004 12:48
Sample : DFTPP 11/30/04
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 2 10:51 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : W:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Thu Dec 02 10:51:12 2004
Response via : Single Level Calibration





(1) Pentachlorophenol (T)

4.87min 0.11

response 88512

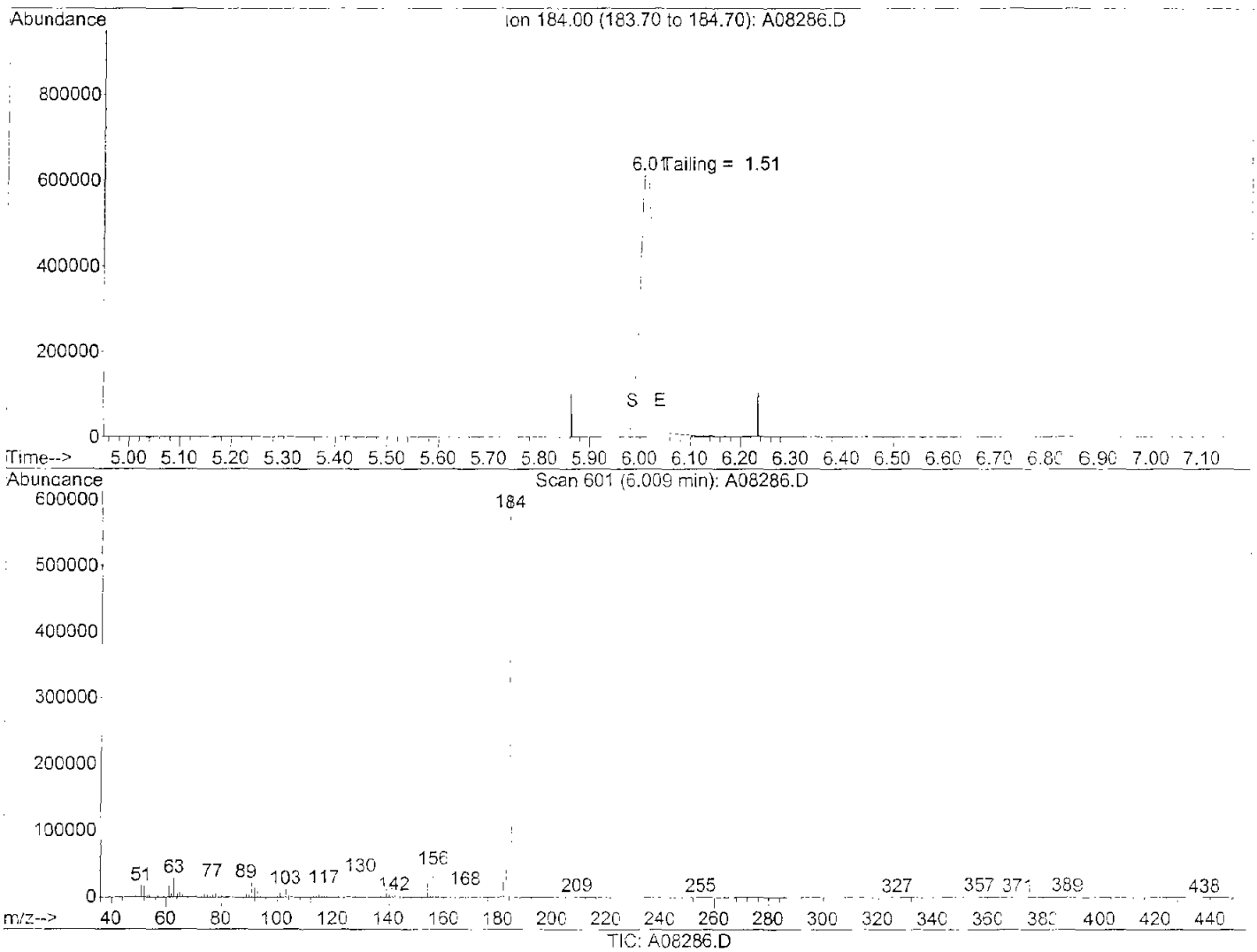
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : W:\113004\A08286.D
Acq On : 30 Nov 2004 12:48
Sample : DFTPP 11/30/04
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 2 10:51 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : W:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Thu Dec 02 10:51:12 2004
Response via : Single Level Calibration



(3) Benzidine (T)

6.01min 0.29

response 612864

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File Name **A08286.D**
Data File Path **W:\113004**
Operator **CLZ**

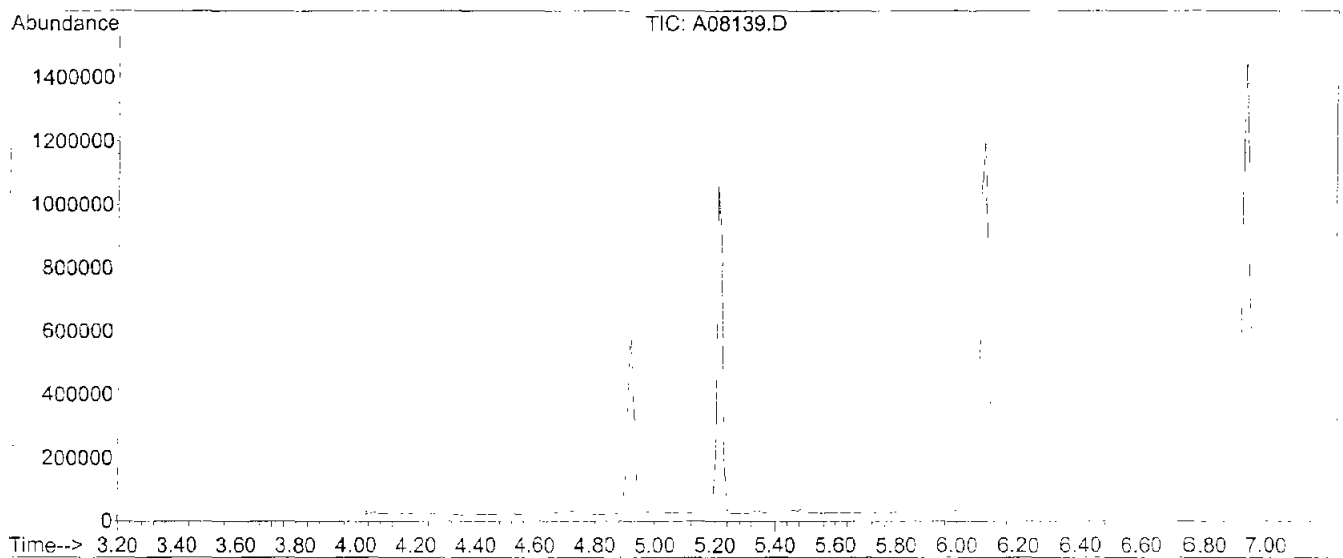
Sample Name **DFTPP 11/30/04**

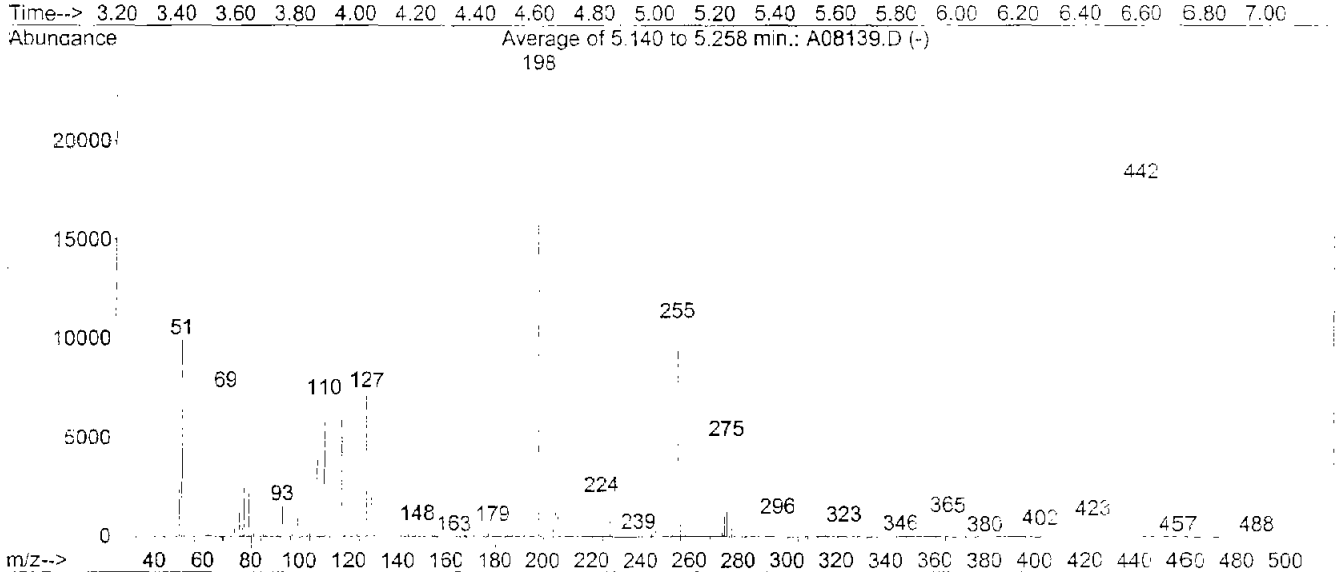
#	Name	Ret Time	Target Response	Percent Breakdown	
4)	DDT	6.84	1254532		0.35%
5)	DDD	6.45	122	Pass	
6)	DDE	6.57	4292		
		SUM	1258946		

DFTPP

Data File : W:\111604\A08139.D
Acq On : 16 Nov 2004 15:39
Sample : DFTPP 11/16/04
Misc :
MS Integration Params: rteint.p
Method : W:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation

Vial: 9
Operator: CLZ
Inst :
Multiplr: 1.00





Spectrum Information: Average of 5.140 to 5.258 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.5	9946	PASS
68	69	0.00	2	1.5	112	PASS
69	198	0.00	100	31.3	7329	PASS
70	69	0.00	2	0.7	53	PASS
127	198	10	80	31.2	7291	PASS
197	198	0.00	1	0.3	70	PASS
198	198	50	100	100.0	23394	PASS
199	198	5	9	5.4	1253	PASS
275	198	10	60	20.8	4863	PASS
365	198	1	100	4.2	975	PASS
441	443	0.01	100	33.1	957	PASS
442	198	50	100	76.2	17815	PASS
443	442	15	24	16.2	2888	PASS

A08139.D DFTPP.M Wed Nov 17 12:10:48 2004

296.00	879	308.00	90	322.00	3	340.00	3
297.00	56	309.00	12	323.00	502	341.00	14
298.00	2	311.00	5	324.00	14	343.00	26

Average of 5.140 to 5.258 min.: A08139.D

DFTPP 11/16/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
4		61.00	496	76.00	467	90.00	95
		62.00	91	77.00	5378	91.00	95
344.00	2	357.00	59	372.00	193	393.00	2
345.00	15	358.00	12	373.00	4	394.00	1
346.00	77	361.00	2	375.00	7	395.00	1
347.00	5	362.00	1	378.00	1	397.00	1
349.00	1	363.00	2	379.00	1	402.00	336
350.00	6	364.00	1	380.00	2	403.00	1
352.00	230	365.00	975	385.00	1	405.00	9
353.00	66	366.00	14	386.00	2	407.00	1
354.00	209	367.00	187	388.00	1	408.00	2
355.00	71	368.00	1	390.00	1	415.00	1
356.00	28	371.00	1	391.00	15	416.00	4

Average of 5.140 to 5.258 min.: A08139.D

DFTPP 11/16/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
16		119.00	226	130.00	112	147.00	303
		120.00	36	134.00	162	148.00	379
419.00	17	442.00	17815	481.00	1	150.00	93
422.00	11	443.00	2888	482.00	3	151.00	77
423.00	789	444.00	236	488.00	9	153.00	290
424.00	7	445.00	1	493.00	4	154.00	154
425.00	1	449.00	1	496.00	2	155.00	129
429.00	1	452.00	1	497.00	6	156.00	282
430.00	3	456.00	10	498.00	2	157.00	46
431.00	51	457.00	2	499.00	1	158.00	86
432.00	2	464.00	1	500.00	1		
433.00	4	476.00	1				
441.00	957	477.00	4				
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
159.00	69	176.00	41	189.00	163	207.00	711
160.00	348	177.00	207	190.00	27	208.00	270
162.00	37	178.00	180	192.00	96	210.00	10
163.00	39	179.00	533	194.00	117	211.00	96
166.00	134	180.00	343	196.00	272	212.00	126
167.00	334	181.00	147	197.00	70	213.00	4
168.00	149	182.00	5	198.00	23394	215.00	51
171.00	115	184.00	28	199.00	1253	216.00	70
172.00	199	185.00	253	204.00	447	217.00	668
174.00	142	186.00	1975	205.00	1314	218.00	12
175.00	398	187.00	845	206.00	4021	220.00	144

Average of 5.140 to 5.258 min.: A08139.D

DFTPP 11/16/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
223.00	84	243.00	197	256.00	1321	271.00	8
224.00	1987	244.00	1803	257.00	70	273.00	459
225.00	376	245.00	182	258.00	411	274.00	1068
227.00	781	246.00	310	259.00	141	275.00	4863
229.00	243	247.00	92	260.00	2	276.00	596
231.00	18	248.00	8	261.00	13	277.00	468
236.00	84	250.00	8	262.00	1	278.00	43
238.00	26	251.00	13	263.00	2	279.00	2
239.00	156	252.00	9	265.00	18	280.00	1
240.00	148	253.00	141	267.00	95	281.00	24
241.00	22	255.00	10777	269.00	22	283.00	51

Average of 5.140 to 5.258 min.: A08139.D

DFTPP 11/16/04

Modified:subtracted

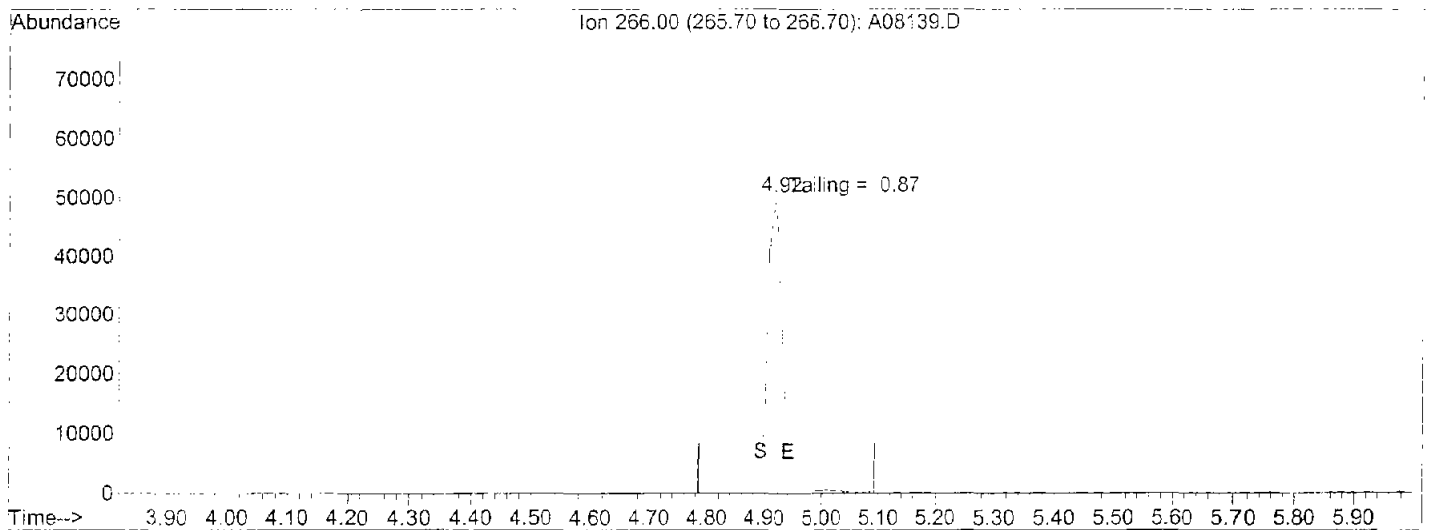
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
286.00	81	300.00	2	312.00	9	325.00	15
287.00	7	301.00	2	313.00	32	330.00	2
288.00	1	302.00	1	314.00	115	331.00	77
289.00	2	303.00	71	315.00	112	332.00	70
291.00	60	304.00	62	316.00	151	333.00	41
292.00	6	305.00	4	317.00	29	334.00	403
293.00	58	306.00	1	319.00	3	335.00	114
294.00	13	307.00	3	320.00	1	338.00	1

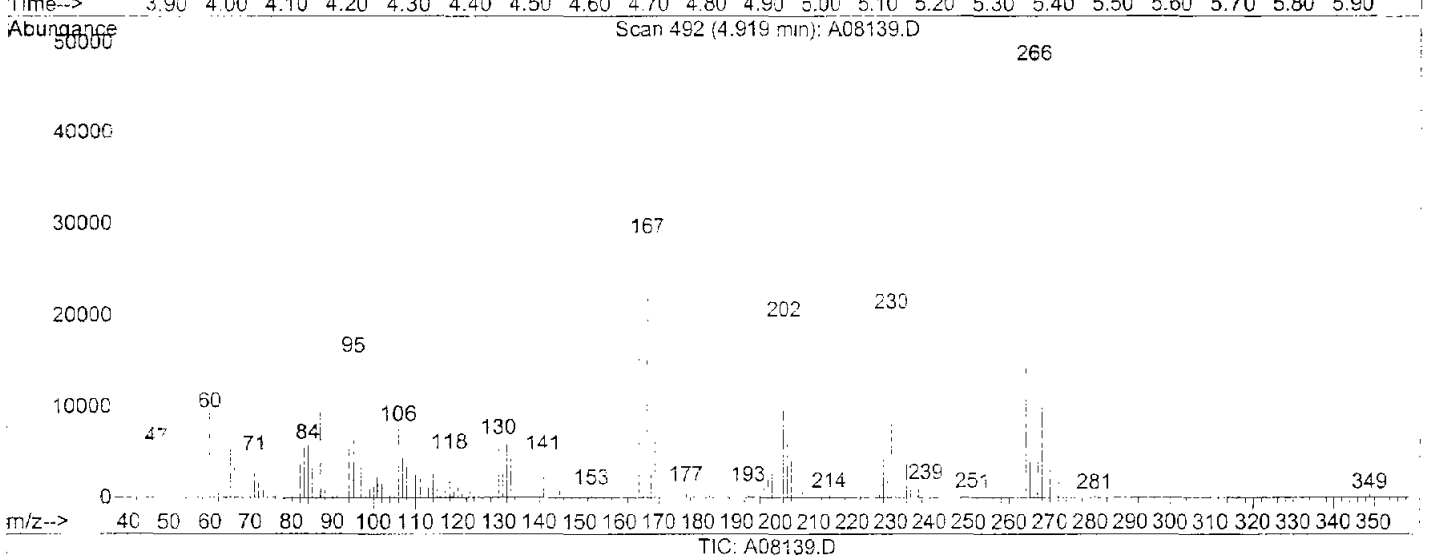
Quantitation Report (Qedit)

Data File : W:\111604\A08139.D
Acq On : 16 Nov 2004 15:39
Sample : DFTPP 11/16/04
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 17 12:11 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : W:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Nov 17 12:11:09 2004
Response via : Single Level Calibration





(1) Pentachlorophenol (T)

4.92min 0.06

response 50088

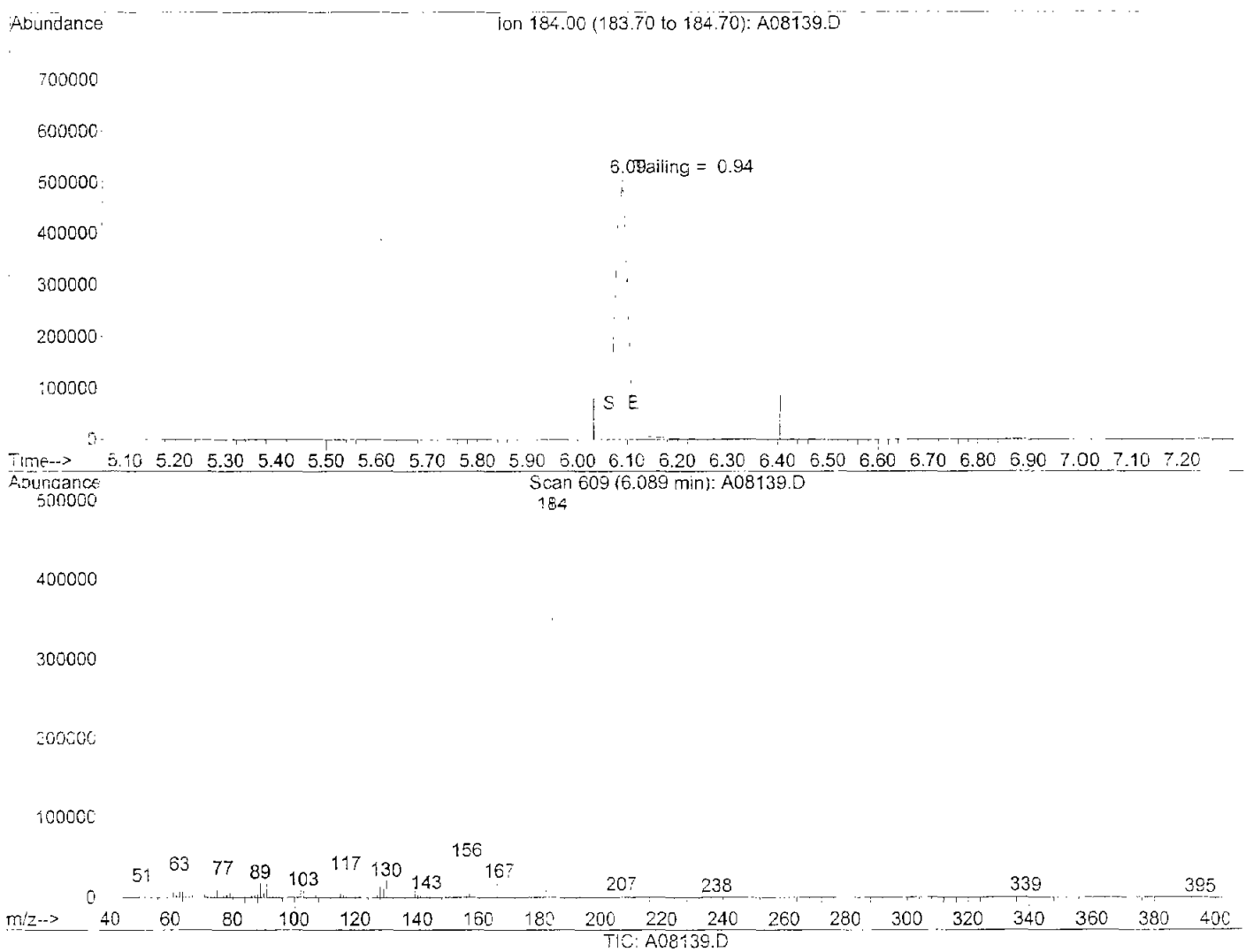
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : W:\111604\A08139.D
Acq On : 16 Nov 2004 15:39
Sample : DFTPP 11/16/04
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 17 12:11 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : W:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Nov 17 12:11:09 2004
Response via : Single Level Calibration



(3) Benzidine (T)

6.09min 0.24

response 508864

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File Name **A08139.D**
Data File Path **W:\111604**
Operator **CLZ**

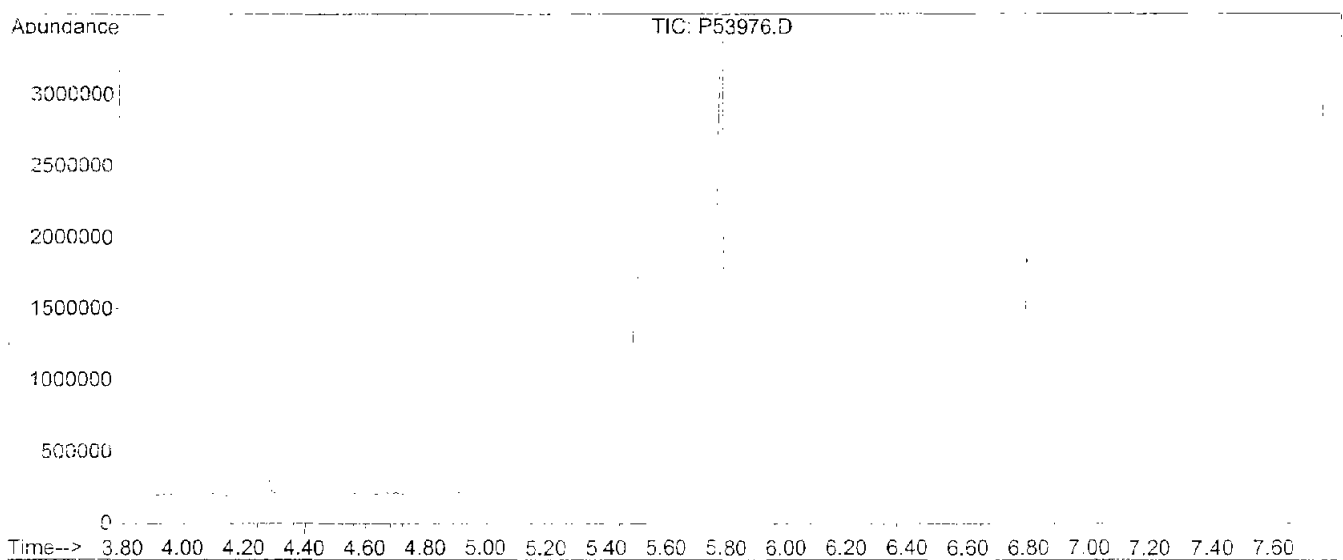
Sample Name **DFTPP 11/16/04**

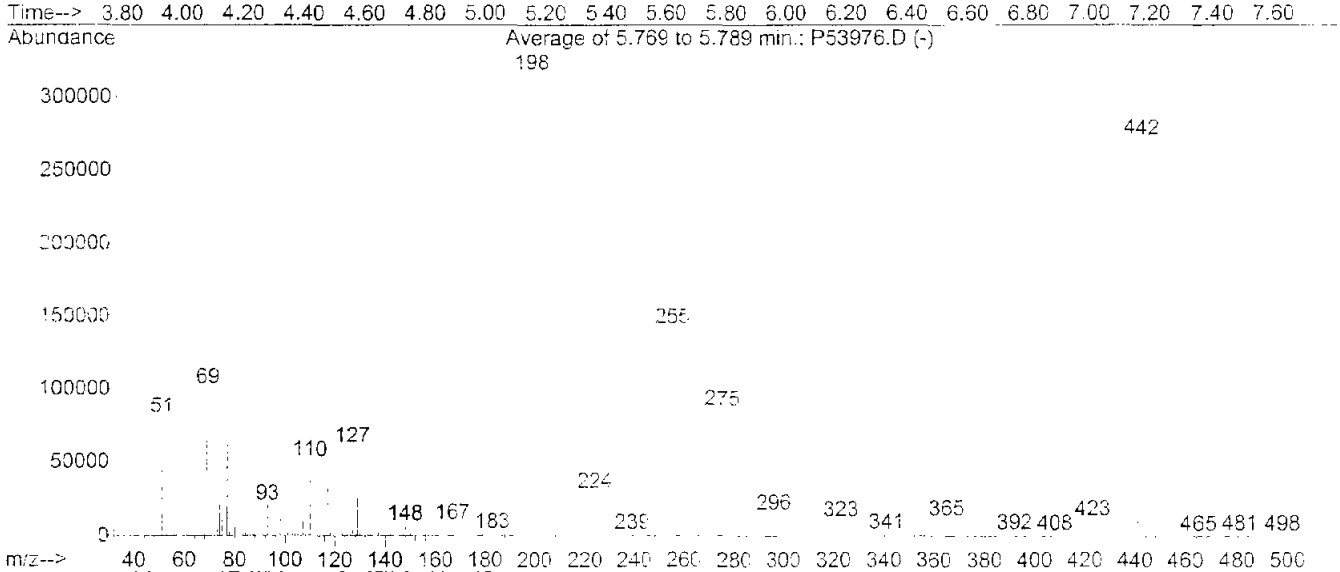
#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	6.93	1009520	0.47%
5)	DDD	6.47	18	Pass
6)	DDE	6.66	4750	
		SUM	1014288	

00783

Data File : V:\DATA\111604\P53976.D
Acq On : 16 Nov 2004 11:53
Sample : DFTPP 11/16/04
Misc :
MS Integration Params: rteint.p
Method : V:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00





Spectrum: Scans 577, 576, 578; Background Corrected with Scan 570

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	90	25.4	80375	PASS
68	69	0.00	2	1.3	1327	PASS
69	198	0.00	100	31.7	100037	PASS
70	69	0.00	2	0.6	585	PASS
127	198	10	80	18.9	59779	PASS
197	198	0.00	1	0.3	1048	PASS
198	198	50	100	100.0	315979	PASS
199	198	5	9	6.8	21577	PASS
275	198	10	60	27.0	85378	PASS
365	198	1	100	3.3	10572	PASS
441	443	0.01	100	62.7	34958	PASS
442	198	50	100	85.6	270408	PASS
443	442	15	24	20.6	55749	PASS

264.00	108	276.00	8766	295.00	1046	314.00	692
265.00	2252	277.00	4425	296.00	14389	315.00	3983

Average of 5.769 to 5.789 min.: P53976.D

DFTPP 11/16/04 277

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
		61.00	1385	76.00	4289	87.00	1431
		62.00	624	77.00	85708	88.00	876
316.00	2138	327.00	504	342.00	108	363.00	357
317.00	674	328.00	561	344.00	130	364.00	833
318.00	126	329.00	1383	345.00	964	365.00	10572
319.00	357	330.00	378	346.00	1299	366.00	885
320.00	45	332.00	503	352.00	2944	367.00	126
321.00	217	333.00	1412	353.00	3615	368.00	905
322.00	126	334.00	6584	354.00	3723	371.00	1067
323.00	9747	335.00	2053	355.00	913	372.00	4173
324.00	662	336.00	659	357.00	217	373.00	659
325.00	238	340.00	312	359.00	163	374.00	1250
326.00	317	341.00	1386	360.00	436	376.00	199

Average of 5.769 to 5.789 min.: P53976.D

DFTPP 11/16/04 2355

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
		113.00	604	126.00	1538	137.00	3372
		114.00	1026	127.00	59779	138.00	293
377.00	208	400.00	199	418.00	952	441.00	34958
378.00	1150	401.00	498	421.00	1164	442.00	270408
380.00	317	402.00	451	422.00	1001	443.00	55749
382.00	917	403.00	1056	423.00	10153	444.00	7581
384.00	238	404.00	555	424.00	2544	445.00	277
386.00	126	406.00	491	427.00	515	446.00	108
388.00	617	407.00	416	429.00	209	448.00	625
390.00	277	408.00	590	433.00	1111	450.00	277
392.00	1252	415.00	367	434.00	670	451.00	217
393.00	243	416.00	181	438.00	277	453.00	873
395.00	357	417.00	126	439.00	277	455.00	163

Average of 5.769 to 5.789 min.: P53976.D

DFTPP 11/16/04 3910

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
		167.00	7888	180.00	2777	192.00	886
		168.00	3745	181.00	1632	193.00	2272
464.00	317	172.00	339	184.00	1943	195.00	349
465.00	344	173.00	374	185.00	3393	196.00	2292
481.00	451	174.00	1087	186.00	29714	197.00	1048
485.00	312	175.00	2438	187.00	6753	198.00	315979
494.00	277	176.00	1091	188.00	1341	199.00	21577
498.00	243	177.00	1601	189.00	385	200.00	1636
500.00	126	178.00	925	190.00	737	203.00	914
166.00	106	179.00	3985	191.00	1753	204.00	7194

Average of 5.769 to 5.789 min.: P53976.D

DFTPP 11/16/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
205.00	12201	216.00	398	228.00	3500	241.00	1467
206.00	61406	217.00	13576	229.00	2191	242.00	1970
207.00	3784	218.00	2722	231.00	230	243.00	1336
208.00	2939	219.00	718	233.00	739	244.00	22456
209.00	1739	221.00	4091	234.00	674	245.00	1285
210.00	157	222.00	3480	235.00	1681	246.00	3569
211.00	2360	223.00	3974	236.00	812	247.00	1467
212.00	1016	224.00	29177	237.00	23	249.00	1022
213.00	365	225.00	8243	238.00	893	251.00	178
214.00	567	226.00	1215	239.00	1111	252.00	696
215.00	1673	227.00	17165	240.00	977	253.00	1000

Average of 5.769 to 5.789 min.: P53976.D

DFTPP 11/16/04

Modified:subtracted

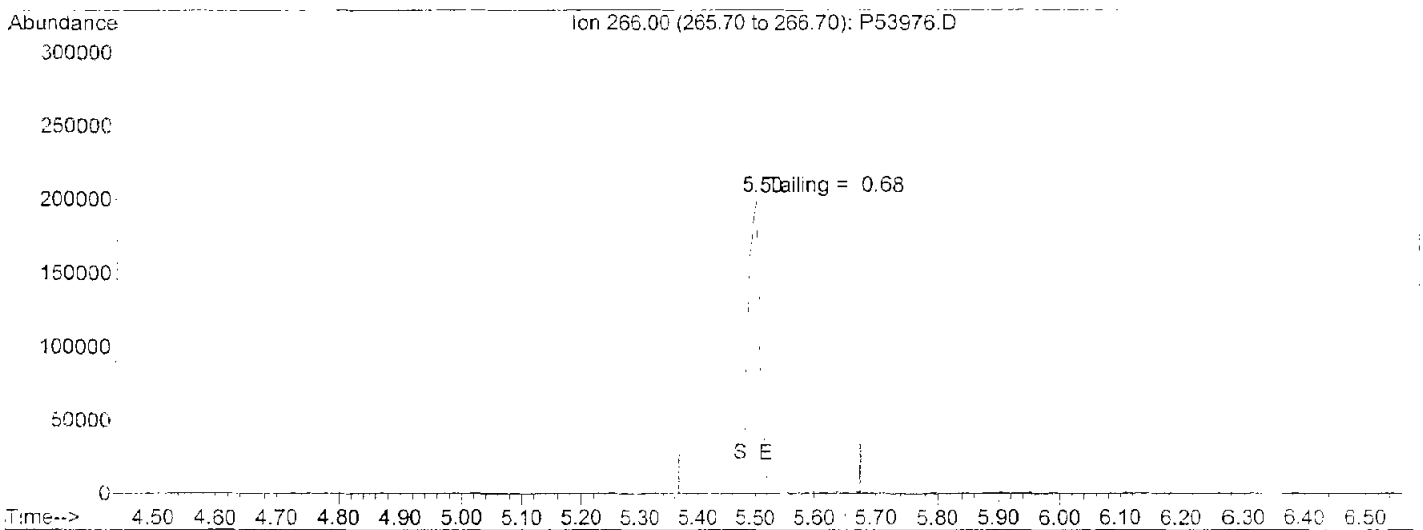
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
254.00	520	266.00	998	278.00	625	297.00	2061
255.00	141652	267.00	80	280.00	634	298.00	181
256.00	16773	268.00	1051	282.00	398	299.00	72
257.00	871	269.00	559	283.00	54	303.00	1856
258.00	5082	270.00	36	284.00	257	304.00	714
259.00	1673	271.00	504	285.00	907	306.00	72
260.00	436	273.00	7645	287.00	583	308.00	163
262.00	357	274.00	19027	290.00	488	309.00	556

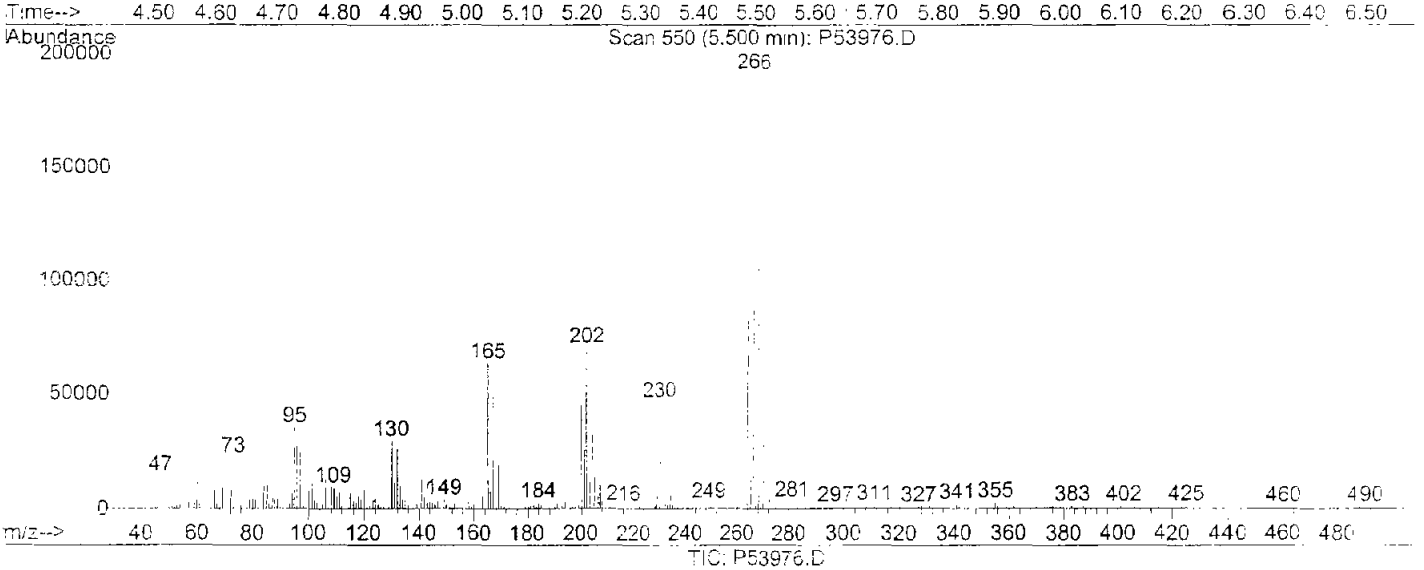
Quantitation Report (Qedit)

Data File : V:\DATA\111604\P53976.D
Acq On : 16 Nov 2004 11:53
Sample : DFTPP 11/16/04
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 17 12:28 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : V:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Nov 17 12:28:29 2004
Response via : Single Level Calibration





(1) Pentachlorophenol (T)

5.50min 0.24

response 201408

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

P53976.D DFTPP.M Wed Nov 17 12:28:40 2004

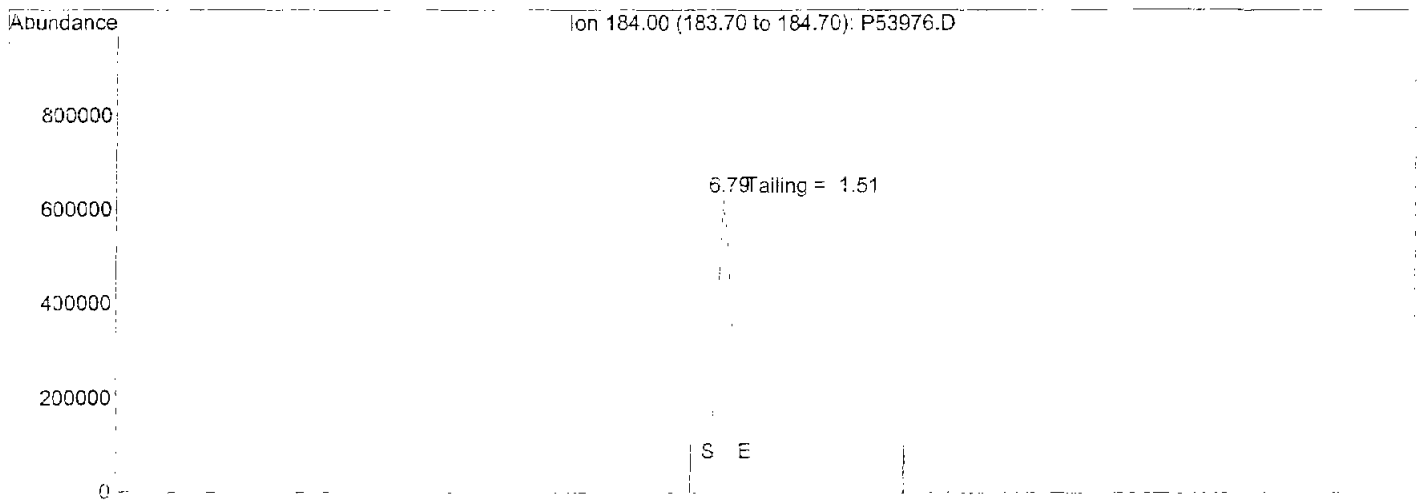
Quantitation Report (Qedit)

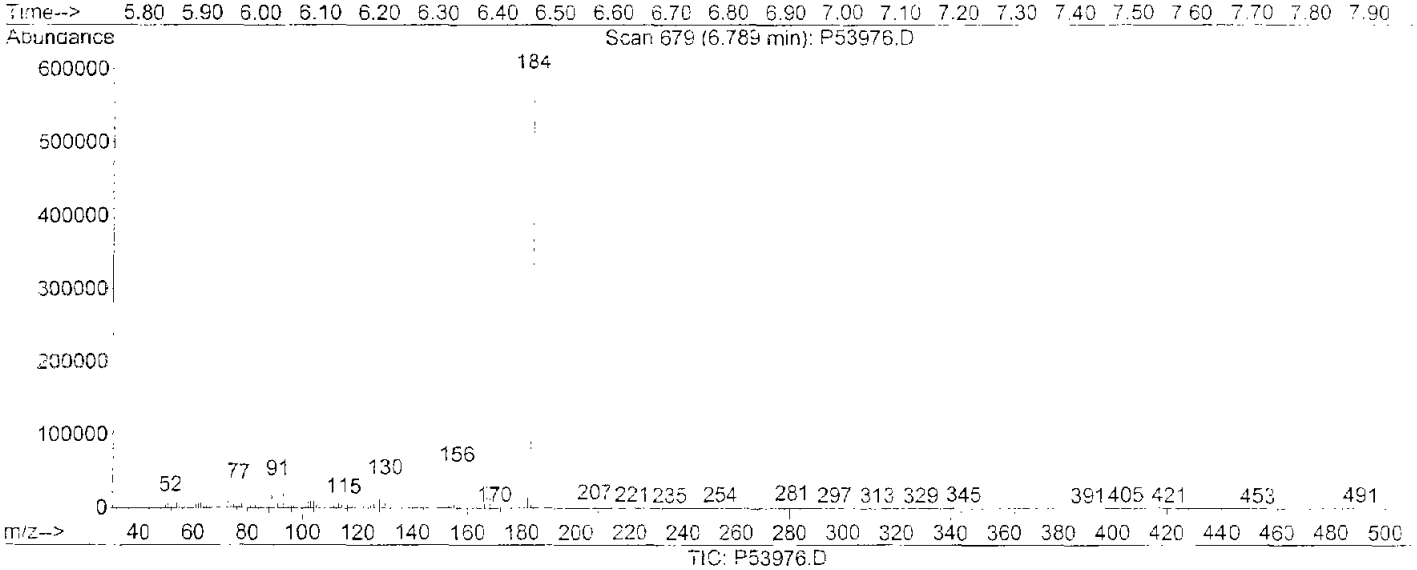
Data File : V:\DATA\111604\P53976.D
Acq On : 16 Nov 2004 11:53
Sample : DFTPP 11/16/04
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 17 12:28 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00

Quant Results File: temp.res

Method : V:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Nov 17 12:28:29 2004
Response via : Single Level Calibration





(3) Benzidine (T)

6.79min 0.29

response 625310

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File Name **P53976.D**
Data File Path **V:\DATA\111604**
Operator **CLZ**

Sample Name **DFTPP 11/16/04**

#	Name	Ret Time	Target Response	Percent Breakdown	
4)	DDT	7.75	897065		0.70%
5)	DDD	7.24	1548	Pass	
6)	DDE	7.58	4755		
		SUM	903368		

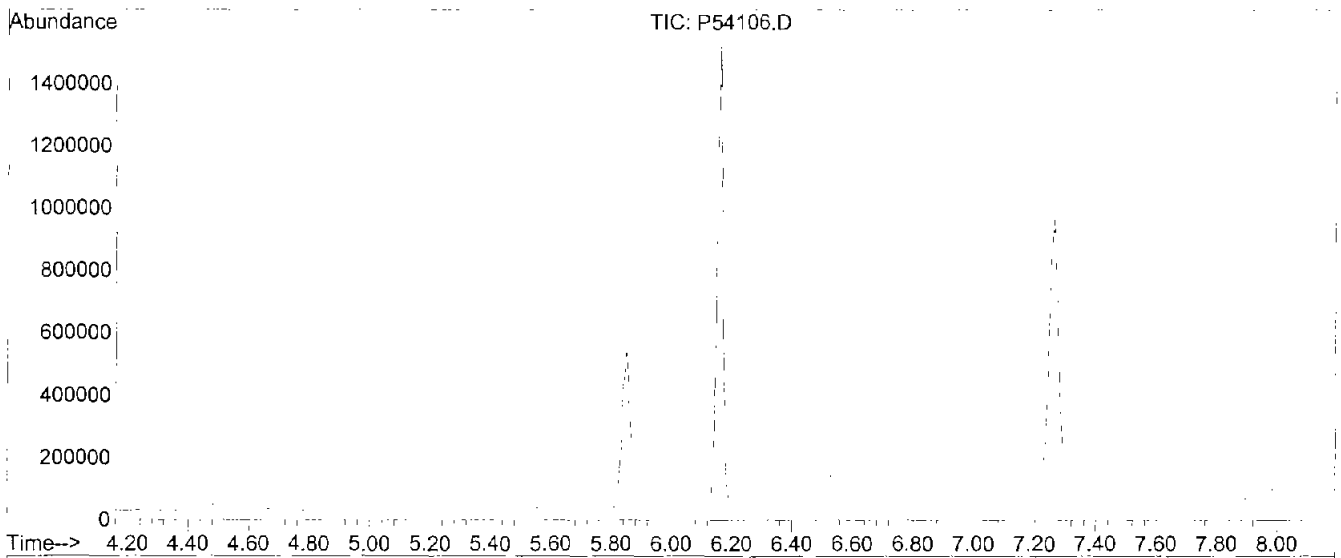
45017

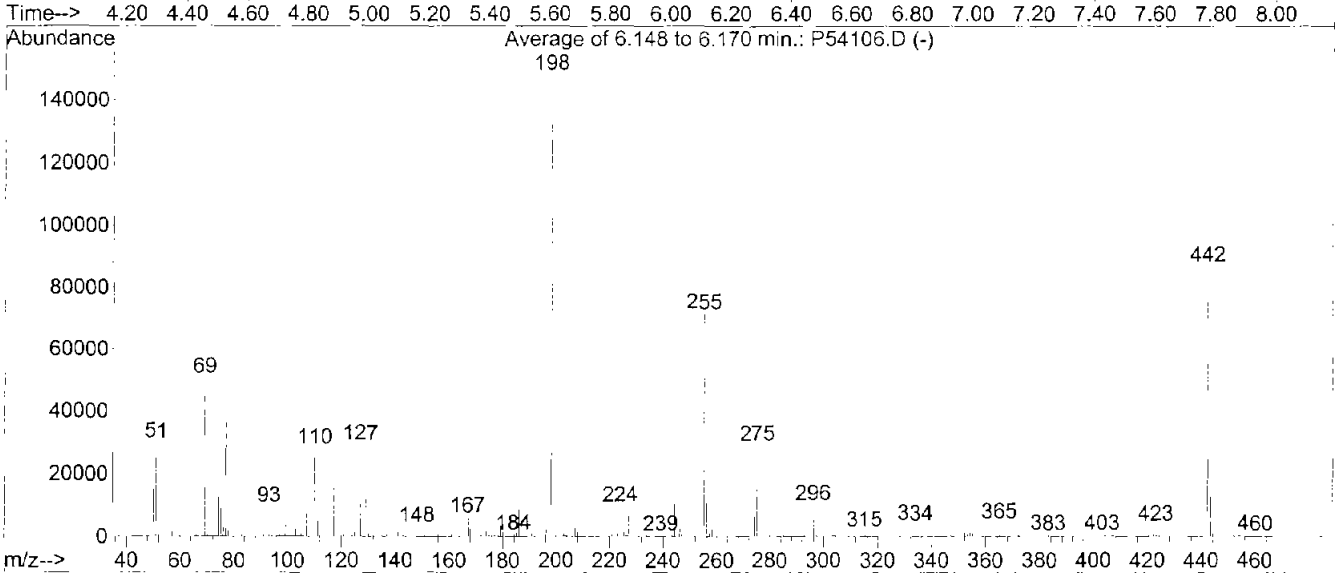
00788

DFTPP

Data File : V:\DATA\120704\P54106.D
Acq On : 07 Dec 2004 12:35
Sample : DFTPP 12/7/04
Misc :
MS Integration Params: rteint.p
Method : V:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00





AutoFind: Scans 615, 616, 617; Background Corrected with Scan 606

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	20.1	29791	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	34.1	50589	PASS
70	69	0.00	2	0.8	423	PASS
127	198	10	80	19.5	28976	PASS
197	198	0.00	1	0.2	284	PASS
198	198	50	100	100.0	148216	PASS
199	198	5	9	5.0	7455	PASS
275	198	10	60	19.4	28770	PASS
365	198	1	100	2.8	4147	PASS
441	443	0.01	100	51.0	8785	PASS
442	198	50	100	58.4	86624	PASS
443	442	15	24	19.9	17240	PASS

275.00	28770	287.00	155	307.00	10	327.00	400
276.00	3493	290.00	257	314.00	117	328.00	460

Average of 6.148 to 6.170 min.: P54106.D

DFTPP 12/7/04	406	63.00	426	79.00	10112	93.00	9340
Modified:subtracted		66.00	552	80.00	3013	94.00	548
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
333.00	211	354.00	3215	388.00	144	420.00	465
334.00	3563	355.00	1153	392.00	100	421.00	112
335.00	1329	359.00	324	398.00	72	422.00	615
336.00	155	365.00	4147	401.00	116	423.00	3335
341.00	344	366.00	436	402.00	322	424.00	1671
342.00	70	367.00	127	403.00	330	429.00	144
345.00	26	369.00	10	404.00	304	441.00	8785
346.00	480	371.00	155	407.00	92	442.00	86624
347.00	459	372.00	1746	408.00	174	443.00	17240
352.00	1081	373.00	360	409.00	271	444.00	957
353.00	903	383.00	459	411.00	142	446.00	522

Average of 6.148 to 6.170 min.: P54106.D

DFTPP 12/7/04	934	117.00	22717	129.00	12364	145.00	90
Modified:subtracted		118.00	779	130.00	1115	147.00	2081
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
460.00	248	120.00	220	134.00	1109	149.00	759
470.00	72	121.00	543	135.00	2220	150.00	394
471.00	123	122.00	1786	136.00	166	151.00	413
112.00	370	123.00	1544	137.00	729	152.00	123
113.00	110	124.00	754	140.00	208	153.00	143
114.00	58	125.00	1200	141.00	1624	154.00	310
115.00	172	127.00	28976	142.00	679	155.00	477
116.00	641	128.00	2657	143.00	532	156.00	794

Average of 6.148 to 6.170 min.: P54106.D
DFTPP 12/7/04
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
157.00	120	171.00	465	182.00	105	193.00	917
158.00	232	172.00	998	183.00	184	194.00	476
159.00	416	173.00	377	184.00	603	195.00	159
160.00	387	174.00	1539	185.00	997	196.00	2053
161.00	546	175.00	1108	186.00	13144	197.00	284
162.00	120	176.00	279	187.00	3963	198.00	148216
165.00	827	177.00	559	188.00	542	199.00	7455
166.00	121	178.00	664	189.00	868	200.00	851
167.00	5994	179.00	3594	190.00	197	201.00	346
168.00	2344	180.00	1606	191.00	875	203.00	751
169.00	455	181.00	333	192.00	699	204.00	2863

Average of 6.148 to 6.170 min.: P54106.D
DFTPP 12/7/04
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
205.00	5500	218.00	913	233.00	68	244.00	10397
206.00	23909	221.00	1417	234.00	598	245.00	890
207.00	2811	222.00	555	235.00	285	246.00	2634
208.00	1472	223.00	892	236.00	33	247.00	681
209.00	422	224.00	9483	237.00	148	249.00	512
210.00	165	225.00	3409	238.00	92	250.00	222
211.00	903	226.00	265	239.00	254	255.00	71490
214.00	72	227.00	7215	240.00	161	256.00	10869
215.00	302	229.00	928	241.00	144	257.00	1040
216.00	425	230.00	105	242.00	386	258.00	3207
217.00	7579	231.00	56	243.00	741	259.00	194

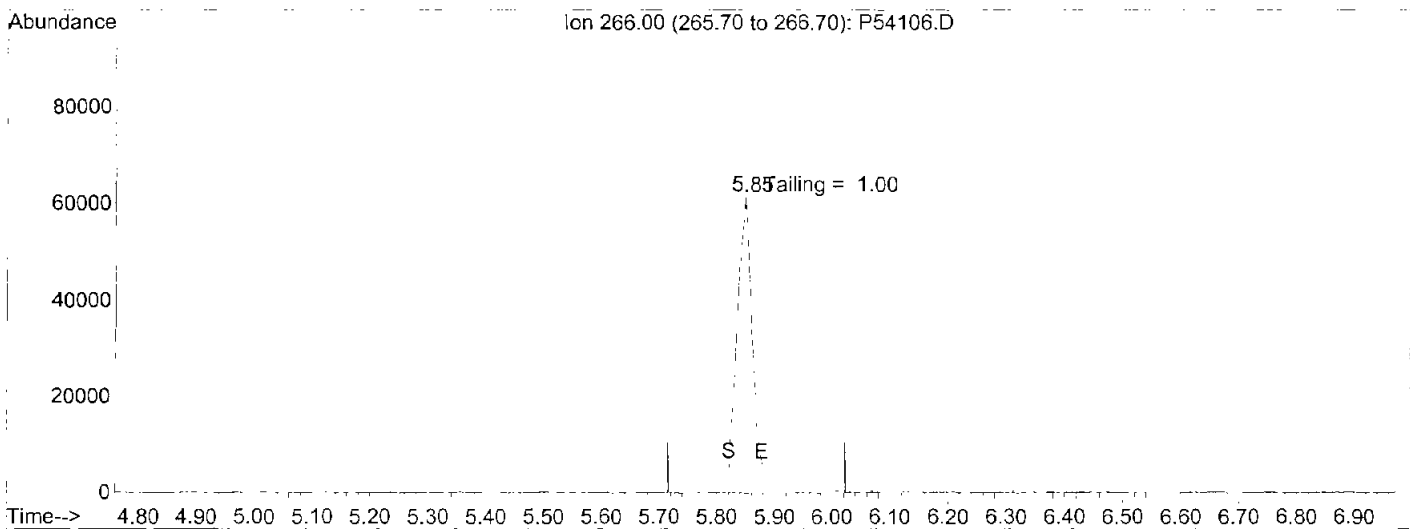
Average of 6.148 to 6.170 min.: P54106.D
DFTPP 12/7/04
Modified:subtracted

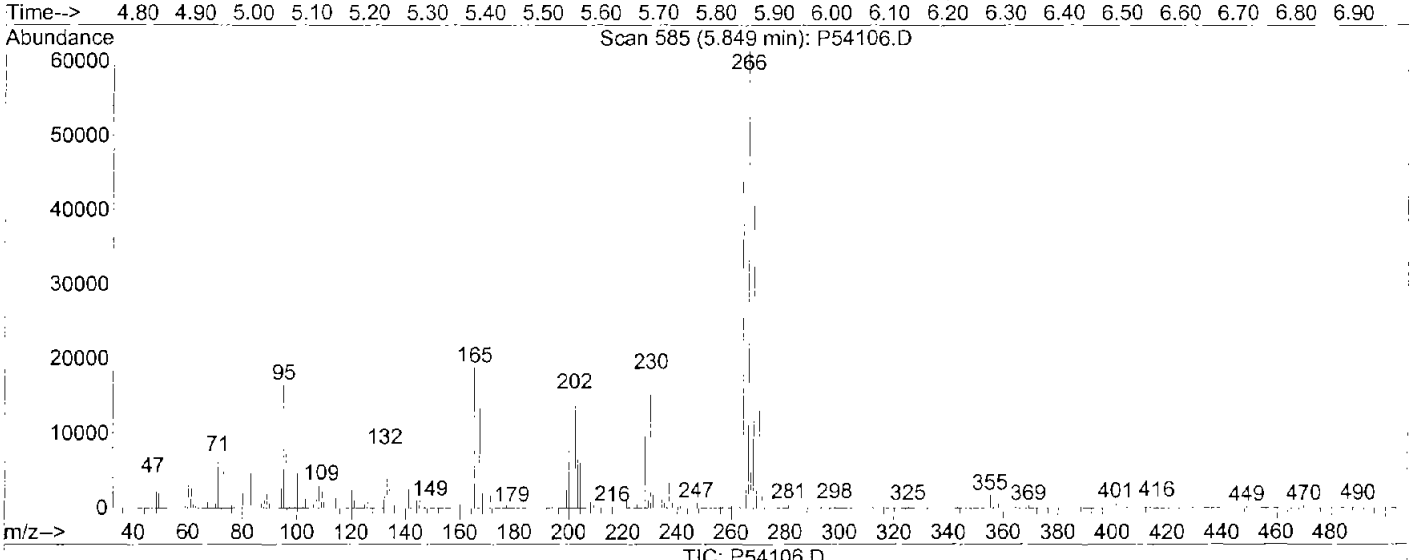
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
260.00	141	277.00	3972	293.00	711	315.00	1604
263.00	161	278.00	600	295.00	252	316.00	162
265.00	1481	280.00	85	296.00	9994	318.00	251
267.00	39	281.00	415	297.00	865	320.00	92
268.00	98	282.00	128	298.00	174	321.00	113
270.00	100	283.00	363	300.00	57	322.00	704
271.00	283	284.00	123	303.00	824	323.00	2540
273.00	1409	285.00	807	304.00	299	324.00	464

Data File : V:\DATA\120704\P54106.D
Acq On : 07 Dec 2004 12:35
Sample : DFTPP 12/7/04
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 8 9:47 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : V:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Dec 08 09:47:35 2004
Response via : Single Level Calibration





(1) Pentachlorophenol (T)

5.85min 0.07

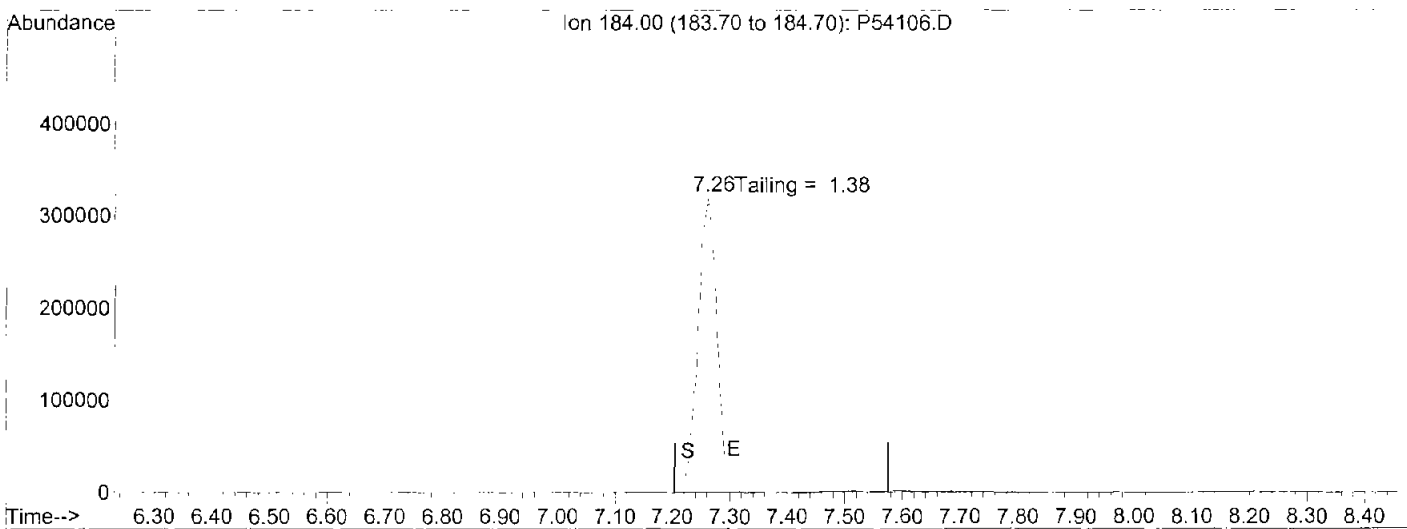
response 61432

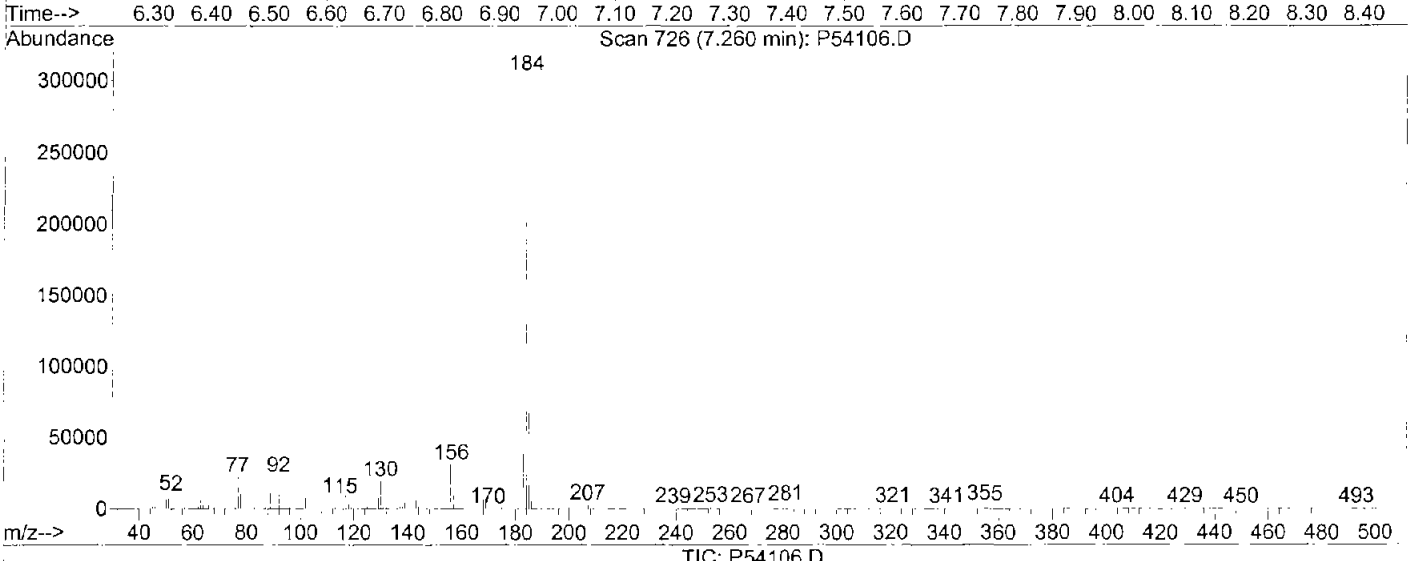
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File : V:\DATA\120704\P54106.D
Acq On : 07 Dec 2004 12:35
Sample : DFTPP 12/7/04
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 8 9:47 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: temp.res

Method : V:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Dec 08 09:47:35 2004
Response via : Single Level Calibration





(3) Benzidine (T)

7.26min 0.15

response 318969

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data File Name **P54106.D**
Data File Path **V:\DATA\120704**
Operator **CLZ**

Sample Name **DFTPP 12/7/04**

#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	8.29	578608	0.48%
5)	DDD	7.94	696	Pass
6)	DDE	8.11	2081	
		SUM	581385	

00793

METHOD BLANK

00794

Quantitation Report (QT Reviewed)

Data File : U:\DATA\113004\B03578.D Vial: 0
Acq On : 30 Nov 2004 18:19 Operator: CLZ
Sample : SW1040 MB #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 07 09:16:02 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Dec 06 15:33:21 2004
Response via : Initial Calibration
DataAcq Meth :

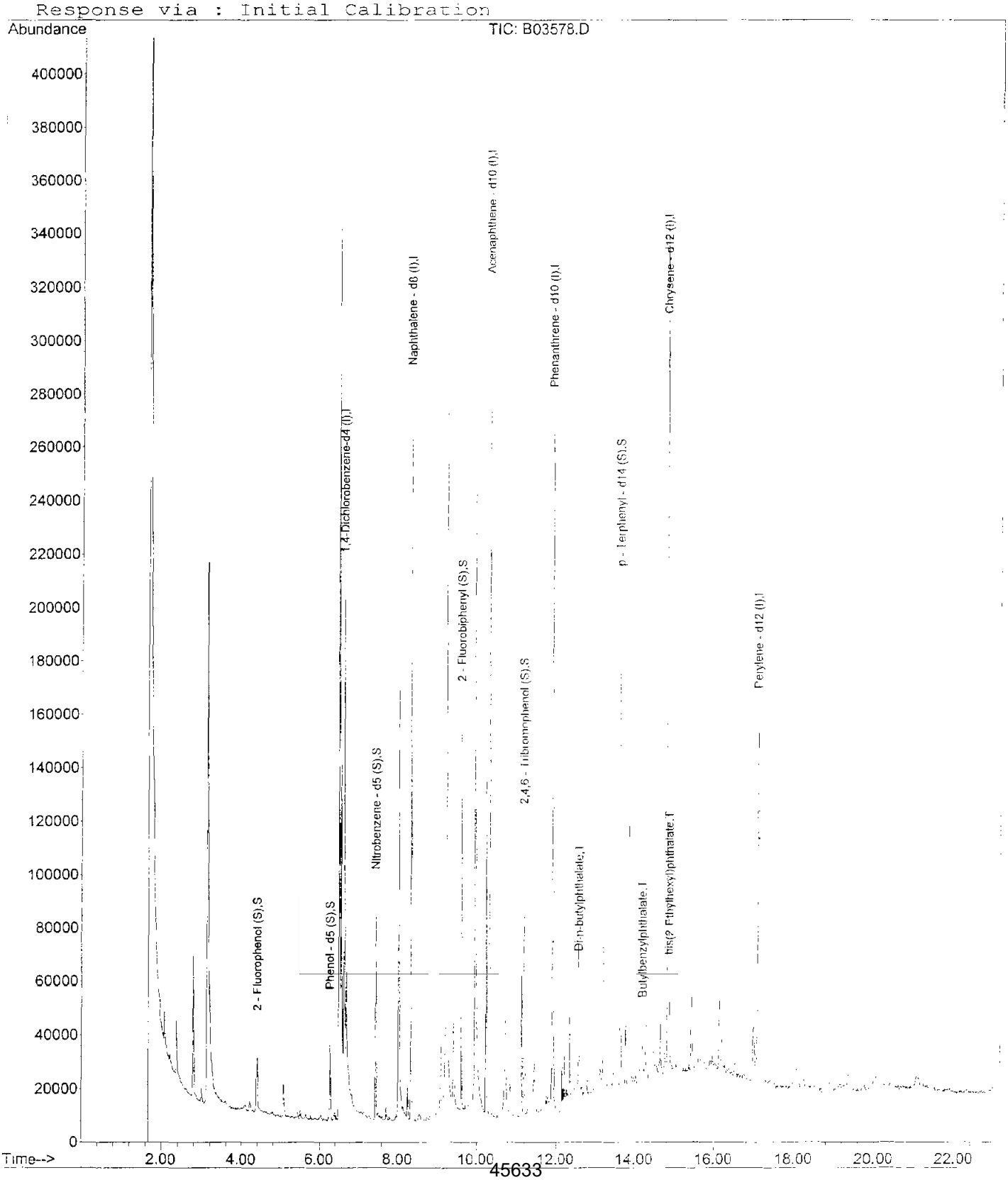
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.64	152	29441	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.33	136	119083	1000.00 ug/L	-0.01
36) Acenaphthene - d10 (I)	10.34	162	72226	1000.00 ug/L	0.00
60) Phenanthrene - d10 (I)	11.92	188	118787	1000.00 ug/L	-0.02
77) Chrysene - d12 (I)	14.84	240	206349-	1000.00 ul/l	-0.02
83) Perylene - d12 (I)	17.12	264	105433-	1000.00 ug/L	-0.03
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.40	112	11182	359.54 ug/L	0.00
6) Phenol - d5 (S)	6.27	99	8497	231.53 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.46	82	23515	717.33 ug/L	-0.03
41) 2 - Fluorobiphenyl (S)	9.61	172	42043	756.01 ug/L	0.00
63) 2,4,6 - Tribromophenol (S)	11.20	330	14960	660.44 ug/L	-0.02
76) p - Terphenyl - d14 (S)	13.64	244	69810	688.57 ug/L	-0.04
Target Compounds					Qvalue
72) Di-n-butylphthalate	12.59	149	14832	149.99 ug/L	97
78) Butylbenzylphthalate	14.19	149	3484	57.68 ug/L	81
82) bis(2-Ethylhexyl)phthalate	14.88	149	10875	111.48 ug/L	95

Quantitation Report (QT Reviewed)

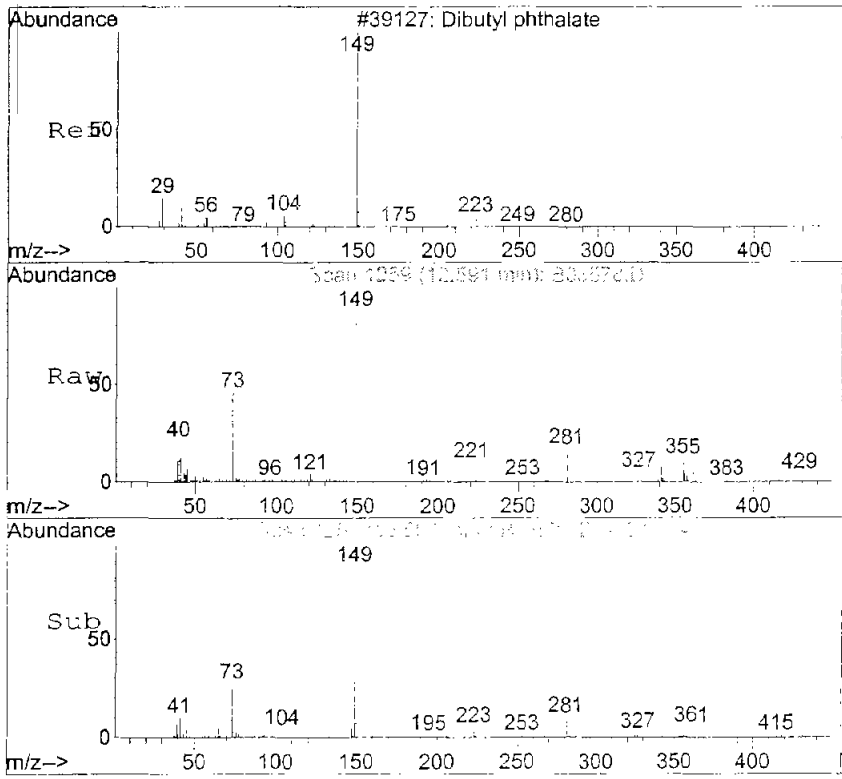
Data File : U:\DATA\113004\B03578.D
Acq On : 30 Nov 2004 18:19
Sample : SW1040 MB #1000 &1.0 WATER
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 7 9:16 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Dec 06 15:33:21 2004
Response via : Initial Calibration



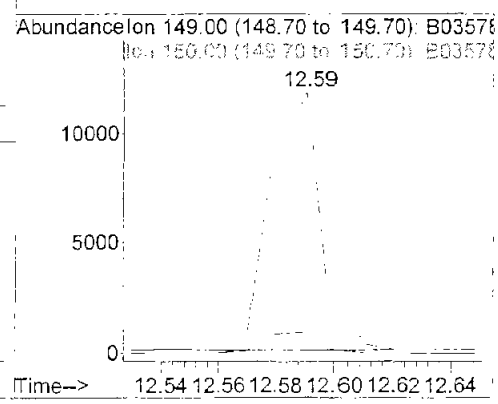
00796

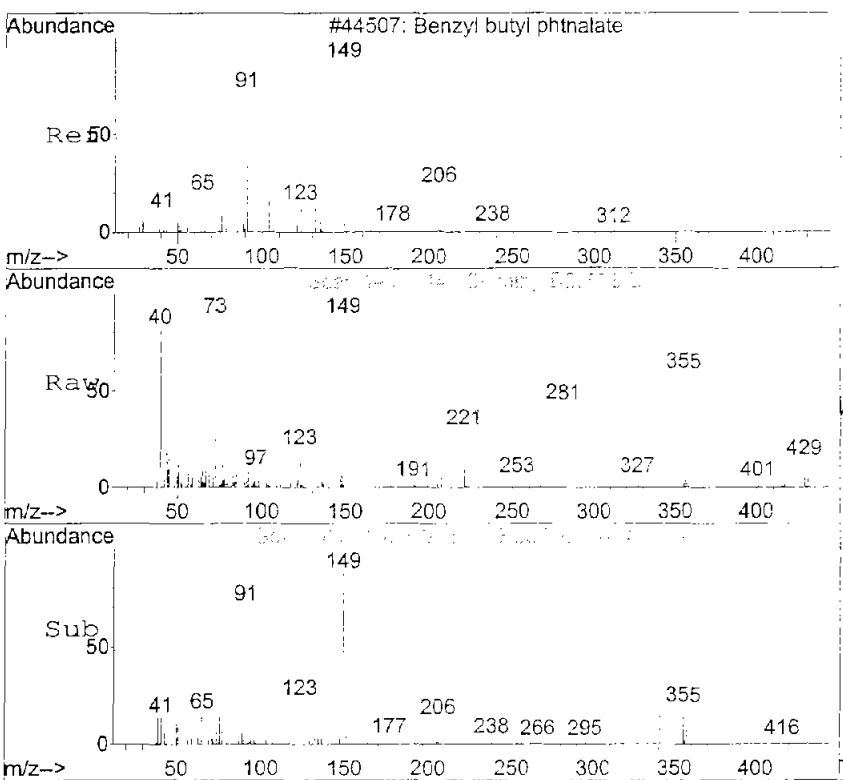


#72
Di-n-butylphthalate
Concen: 149.99 ug/L
RT: 12.59 min Scan# 1259
Delta R.T. 0.00 min
Lab File: B03578.D
Acq: 30 Nov 2004 18:19

Tgt Ion:149 Resp: 14832

Ion	Ratio	Lower	Upper
149	100		
150	8.9	0.0	50.0

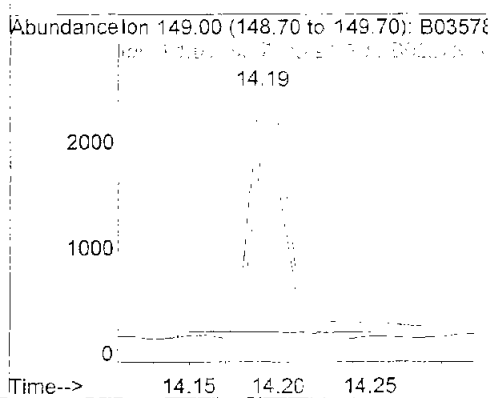


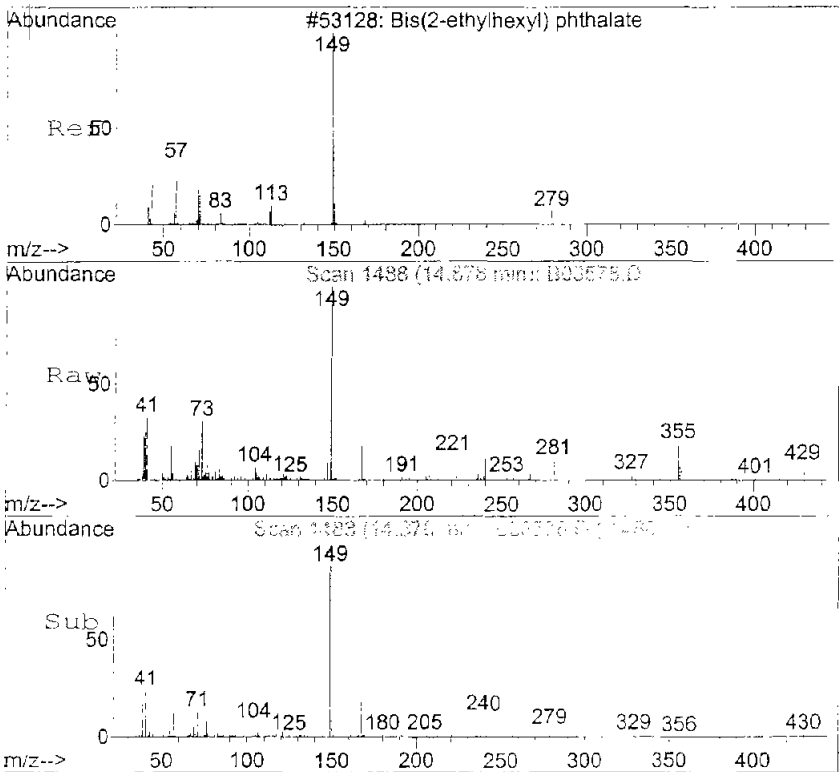


#78
Butylbenzylphthalate
Concen: 57.68 ug/L
RT: 14.19 min Scan# 1419
Delta R.T. -0.01 min
Lab File: B03578.D
Acq: 30 Nov 2004 18:19

Tgt Ion:149 Resp: 3484

Ion	Ratio	Lower	Upper
149	100		
91	68.1	45.0	125.0

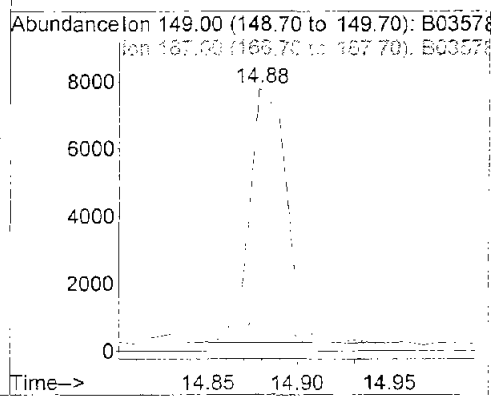




#82
bis(2-Ethylhexyl)phthalate
Concen: 111.48 ug/L
RT: 14.88 min Scan# 1488
Delta R.T. -0.02 min
Lab File: B03578.D
Acq: 30 Nov 2004 18:19

Tgt Ion:149 Resp: 10875

Ion	Ratio	Lower	Upper
149	100		
167	20.3	0.0	62.6



Data File : W:\113004\A08288.D Vial: 0
Acq On : 30 Nov 2004 14:07 Operator: CLZ
Sample : SS1285 MB #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 02 10:55:18 2004 Quant Results File: SV5-111604.RES

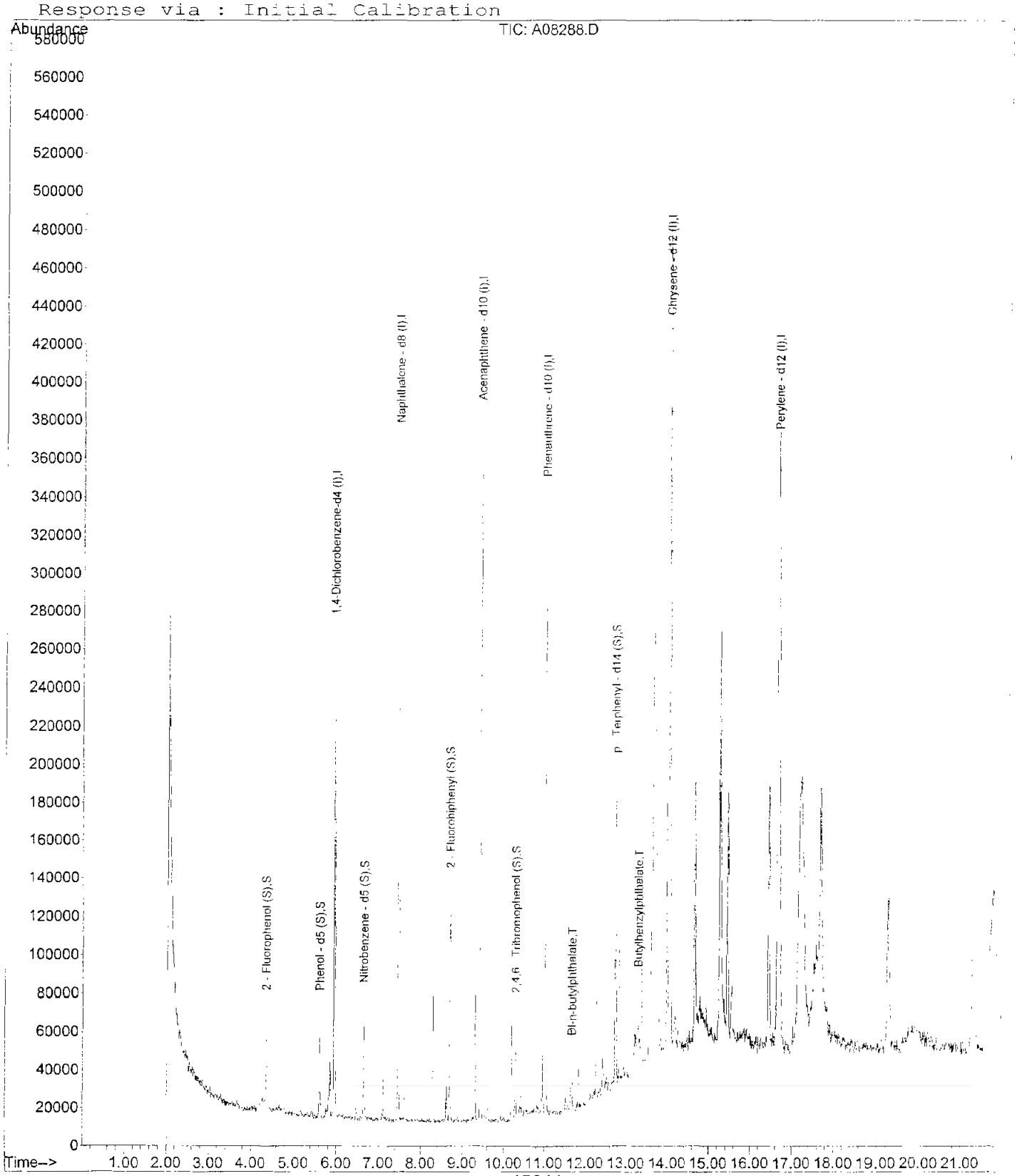
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Thu Dec 02 10:49:13 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.95	152	59354	1000.00 ug/L	-0.01
22) Naphthalene - d8 (I)	7.48	136	220992	1000.00 ug/L	0.01
38) Acenaphthene - d10 (I)	9.45	162	148516	1000.00 ug/L	0.01
62) Phenanthrene - d10 (I)	11.04	188	185725	1000.00 ug/L	0.01
79) Chrysene - d12 (I)	14.05	240	389017	1000.00 ul/l	0.01
85) Perylene - d12 (I)	16.68	264	473721	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.37	112	20781	438.73 ug/L	-0.03
7) Phenol - d5 (S)	5.62	99	23004	446.89 ug/L	0.00
23) Nitrobenzene - d5 (S)	6.66	82	22015	393.24 ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.71	172	52238	462.57 ug/L	0.03
65) 2,4,6 - Tribromophenol (S)	10.31	330	9402	428.60 ug/L	0.00
78) p - Terphenyl - d14 (S)	12.74	244	88018	664.76 ug/L	0.00
Target Compounds					Qvalue
74) Di-n-butylphthalate	11.68	149	15389	63.82 ug/L	94
80) Butylbenzylphthalate	13.30	149	5113	25.36 ug/L	51

(#) = qualifier out of range (m) = manual integration (+) = signals summed
A08288.D 111604.M Thu Dec 09 13:09:50 2004 Page 1

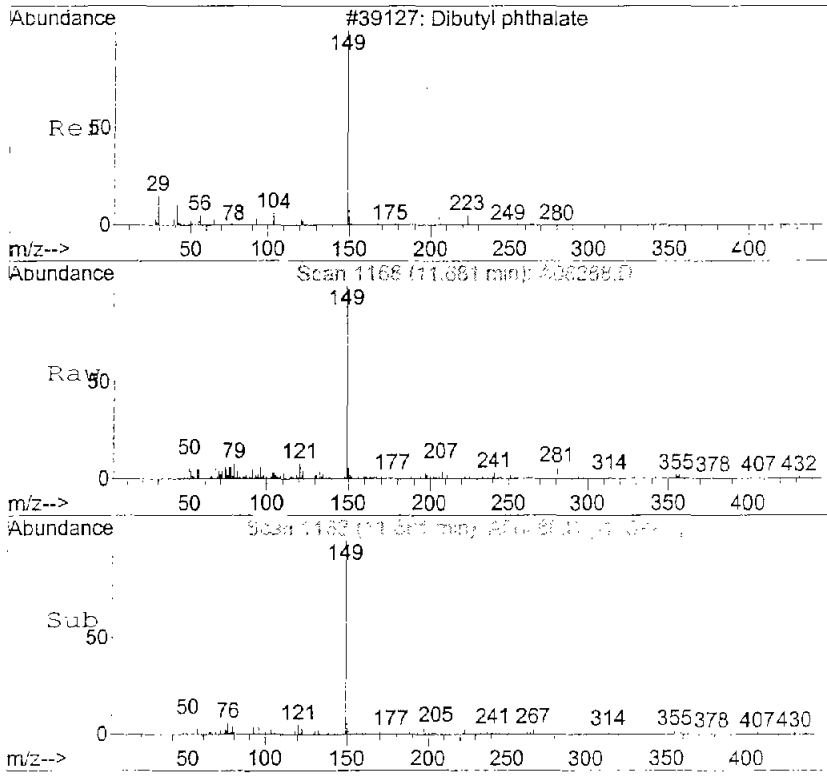
Data File : W:\113004\A08288.D Vial: 0
Acq On : 30 Nov 2004 14:07 Operator: CLZ
Sample : SS1285 MB #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 2 10:56 2004 Quant Results File: SV5-111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Thu Dec 09 11:02:25 2004
Response via : Initial Calibration



A08288.D 111604.M Thu Dec 09 13:09:51 2004 Page 2

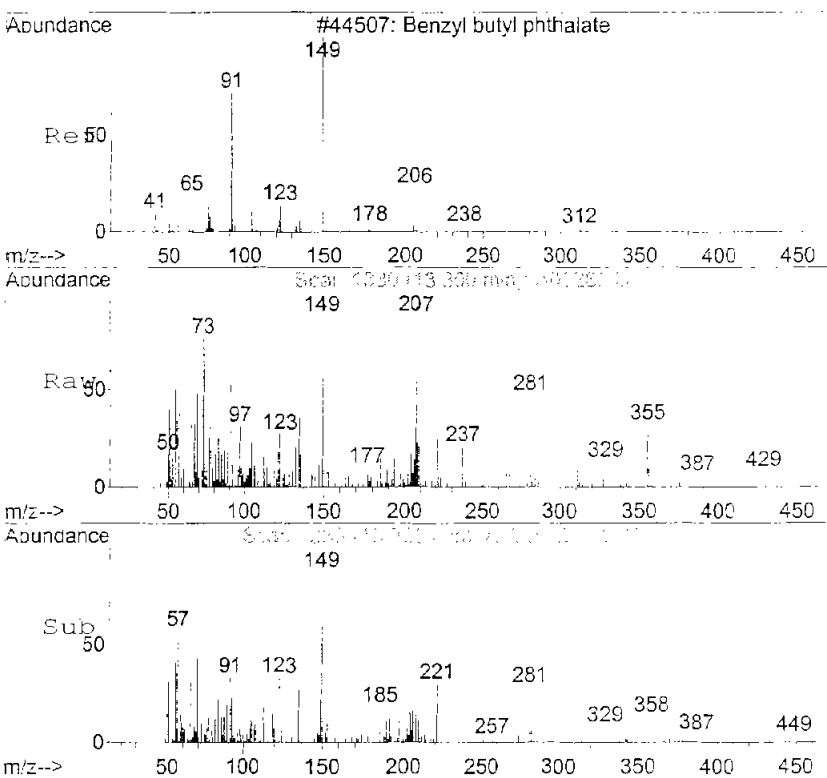
000800



#74
Di-n-butylphthalate
Concen: 63.82 ug/L
RT: 11.68 min Scan# 1168
Delta R.T. -0.01 min
Lab File: A08288.D
Acq: 30 Nov 2004 14:07

Tgt Ion:149 Resp: 15389

Ion	Ratio	Lower	Upper
149	100		
150	5.9	0.0	47.9



#80
Butylbenzylphthalate
Concen: 25.36 ug/L
RT: 13.30 min Scan# 1330
Delta R.T. 0.03 min
Lab File: A08288.D
Acq: 30 Nov 2004 14:07

Tgt Ion:149 Resp: 5113

Ion	Ratio	Lower	Upper
149	100		
91	94.2	18.1	98.1

BLANK SPIKE

00802

Quantitation Report (QT Reviewed)

Data File : U:\DATA\113004\B03579.D Vial: 0
Acq On : 30 Nov 2004 18:47 Operator: CLZ
Sample : SW1040 BS #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 04 10:34:50 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:34:42 2004
Response via : Initial Calibration
DataAcq Meth :

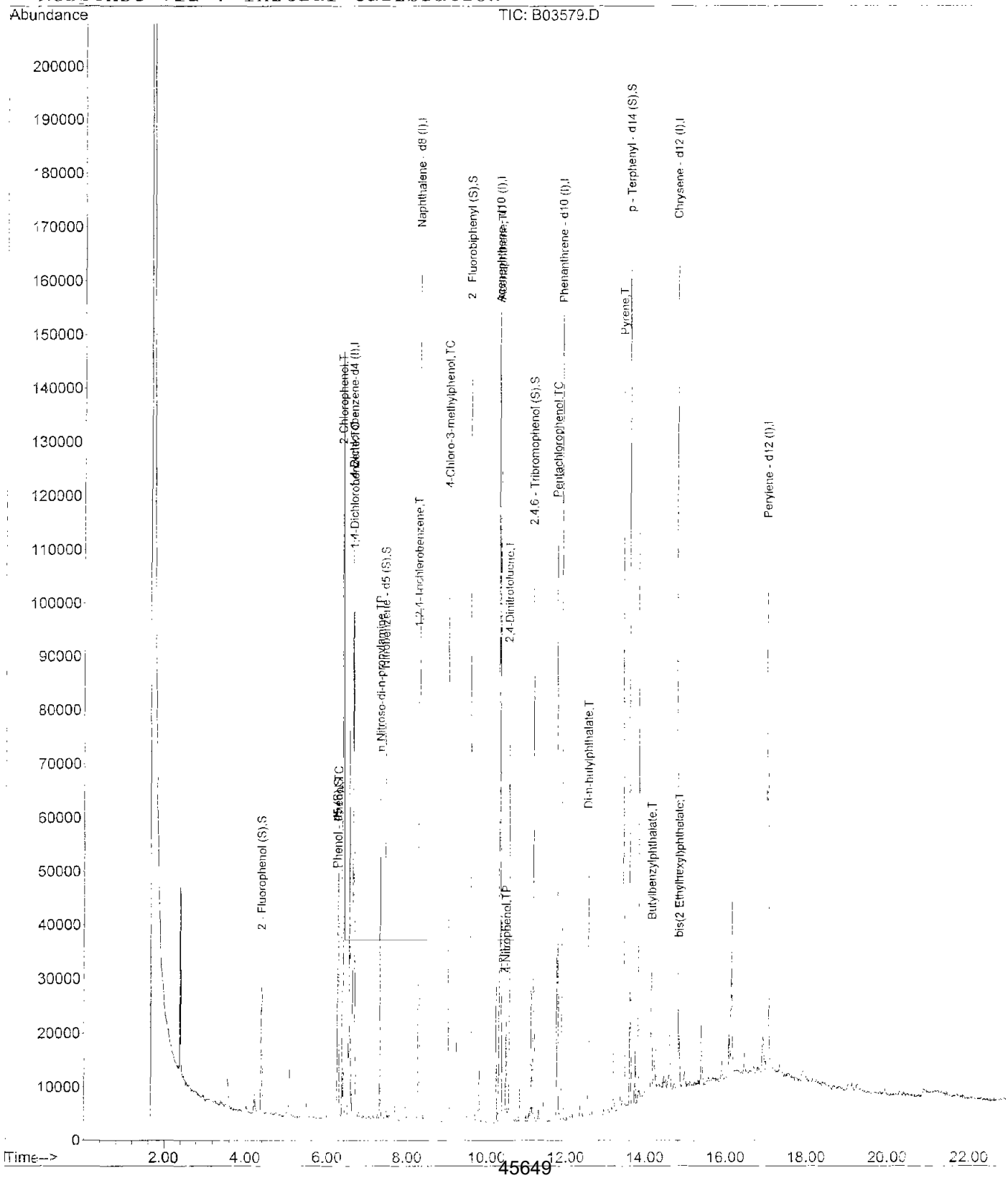
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.63	152	14962	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.32	136	63000	1000.00 ug/L	0.00
36) Acenaphthene - d10 (I)	10.32	162	41740	1000.00 ug/L	0.00
60) Phenanthrene - d10 (I)	11.90	188	61723	1000.00 ug/L	-0.01
77) Chrysene - d12 (I)	14.79	240	89937+	1000.00 ug/L	0.00
83) Perylene - d12 (I)	17.04	264	94918+	1000.00 ug/L	-0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.39	112	11496	727.35 ug/L	0.00
6) Phenol - d5 (S)	6.25	99	9558	512.47 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.45	82	22938	1322.64 ug/L	-0.02
41) 2 - Fluorobiphenyl (S)	9.59	172	40018	1245.17 ug/L	0.00
63) 2,4,6 - Tribromophenol (S)	11.18	330	13684	1162.62 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.61	244	63483	1205.06 ug/L	-0.03
Target Compounds					Qvalue
7) Phenol	6.27	94	14844	752.98 ug/L	90
9) 2-Chlorophenol	6.37	128	32512	1743.11 ug/L	92
12) 1,4-Dichlorobenzene	6.65	146	21490	1211.88 ug/L	93
18) n-Nitroso-di-n-propylamine	7.32	70	15612	1304.39 ug/L	85
29) 1,2,4-Trichlorobenzene	8.28	180	16693	1328.33 ug/L	100
33) 4-Chloro-3-methylphenol	9.04	107	50290+	2030.05 ug/L	100
49) Acenaphthene	10.36	153	43747	1273.16 ug/L	100
51) 4-Nitrophenol	10.49	109	4823	1190.42 ug/L	93
53) 2,4-Dinitrotoluene	10.57	165	11223	1145.11 ug/L	100
67) Pentachlorophenol	11.77	266	13747	1374.89 ug/L	100
72) Di-n-butylphthalate	12.56	149	21124	411.12 ug/L	93
74) Pyrene	13.44	202	67312	1096.28 ug/L	82
78) Butylbenzylphthalate	14.16	149	6393	242.84 ug/L	85
82) bis(2-Ethylhexyl)phthalate	14.84	149	7184	168.97 ug/L	97

Quantitation Report (QT Reviewed)

Data File : U:\DATA\113004\B03579.D
Acq On : 30 Nov 2004 18:47
Sample : SW1040 BS #1000 &1.0 WATER
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 4 10:36 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:34:42 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : U:\DATA\113004\B03580.D Vial: 0
Acq On : 30 Nov 2004 19:15 Operator: CLZ
Sample : SW1040 BSD #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 04 10:39:04 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:39:01 2004
Response via : Initial Calibration
DataAcq Meth :

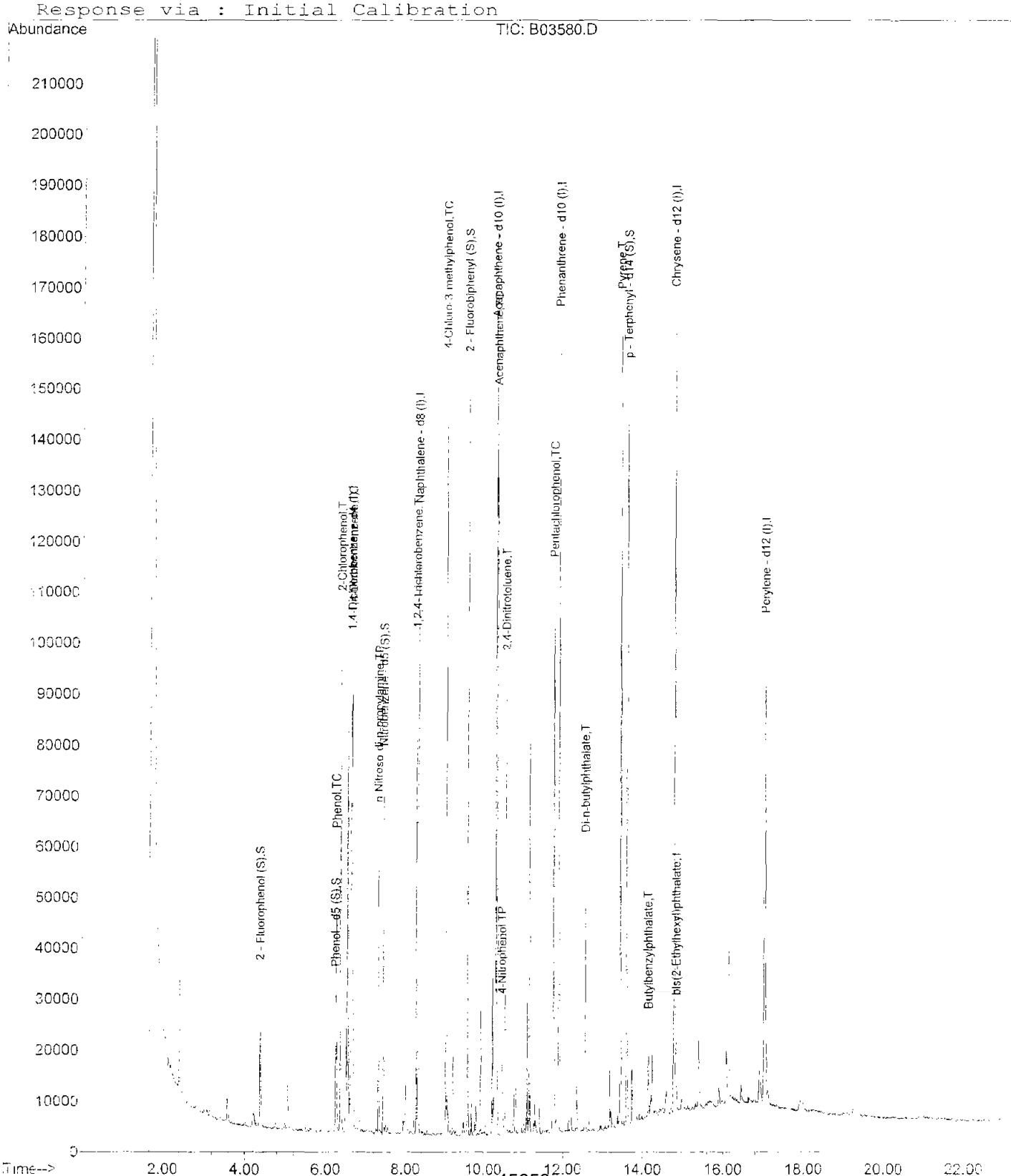
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.63	152	13885	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.31	136	59043	1000.00 ug/L	-0.01
36) Acenaphthene - d10 (I)	10.32	162	39967	1000.00 ug/L	0.00
60) Phenanthrene - d10 (I)	11.90	188	58654	1000.00 ug/L	-0.01
77) Chrysene - d12 (I)	14.79	240	83173+	1000.00 ug/L	0.00
83) Perylene - d12 (I)	17.04	264	98571+	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.39	112	10734	731.81 ug/L	0.00
6) Phenol - d5 (S)	6.24	99	8313	480.29 ug/L	-0.01
21) Nitrobenzene - d5 (S)	7.44	82	20071	1234.88 ug/L	-0.03
41) 2 - Fluorobiphenyl (S)	9.59	172	36299	1179.56 ug/L	0.00
63) 2,4,6 - Tribromophenol (S)	11.18	330	12191	1089.97 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.61	244	57465	1147.90 ug/L	-0.03
Target Compounds					Qvalue
7) Phenol	6.26	94	15741	860.41 ug/L	98
9) 2-Chlorophenol	6.37	128	31464	1817.77 ug/L	90
12) 1,4-Dichlorobenzene	6.65	146	20978	1274.77 ug/L	88
18) n-Nitroso-di-n-propylamine	7.31	70	15266	1374.41 ug/L	91
29) 1,2,4-Trichlorobenzene	8.27	180	13558	1151.17 ug/L	100
33) 4-Chloro-3-methylphenol	9.03	107	49632+	2137.76 ug/L	99
49) Acenaphthene	10.35	153	42792	1300.61 ug/L	100
51) 4-Nitrophenol	10.48	109	4421	1139.60 ug/L	96
53) 2,4-Dinitrotoluene	10.57	165	12192	1299.16 ug/L	92
67) Pentachlorophenol	11.77	266	14228	1497.45 ug/L	100
72) Di-n-butylphthalate	12.56	149	20630	422.52 ug/L	95
74) Pyrene	13.44	202	70758	1212.71 ug/L	88
78) Butylbenzylphthalate	14.16	149	3611	148.32 ug/L	89
82) bis(2-Ethylhexyl)phthalate	14.84	149	5564	141.51 ug/L	93

Quantitation Report (QT Reviewed)

Data File : U:\DATA\113004\B03580.D
Acq On : 30 Nov 2004 19:15
Sample : SW1040 BSD #1000 &1.0 WATER
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 4 10:39 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:39:01 2004
Response via : Initial Calibration



00800

Data File : W:\113004\A08289.D Vial: 0
Acq On : 30 Nov 2004 14:34 Operator: CLZ
Sample : SS1285 BS #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 02 10:57:29 2004 Quant Results File: SV5-111604.RES

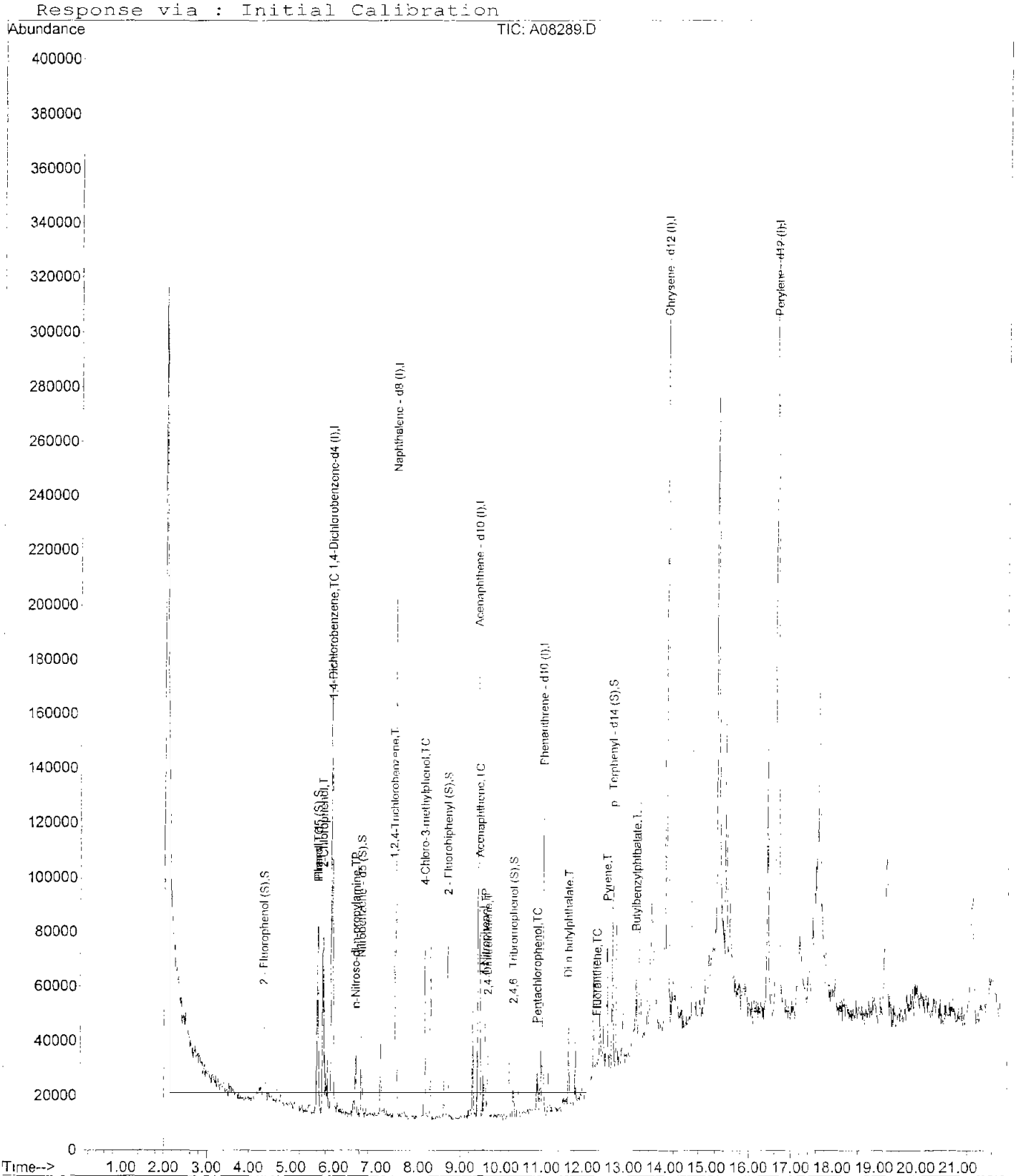
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Thu Dec 02 10:57:25 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.94	152	41294	1000.00 ug/L	-0.02
22) Naphthalene - d8 (I)	7.47	136	153458	1000.00 ug/L	0.00
38) Acenaphthene - d10 (I)	9.44	162	77409	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.03	188	75398	1000.00 ug/L	0.00
79) Chrysene - d12 (I)	14.04	240	243633	1000.00 ul/l	0.00
85) Perylene - d12 (I)	16.68	264	464959	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.36	112	15265	463.22 ug/L	-0.04
7) Phenol - d5 (S)	5.61	99	18048	503.95 ug/L	0.00
23) Nitrobenzene - d5 (S)	6.65	82	17988	462.71 ug/L	0.02
43) 2 - Fluorobiphenyl (S)	8.70	172	30796	523.19 ug/L	0.02
65) 2,4,6 - Tribromophenol (S)	10.30	330	4488	503.96 ug/L	-0.02
78) p - Terphenyl - d14 (S)	12.73	244	40744	758.00 ug/L	0.00
Target Compounds					Qvalue
8) Phenol	5.62	94	30241	761.41 ug/L	96
10) 2-Chlorophenol	5.74	128	29767	779.95 ug/L	50
13) 1,4-Dichlorobenzene	5.97	146	22745	505.51 ug/L	99
19) n-Nitroso-di-n-propylamine	6.51	70	14337	579.93 ug/L	94
31) 1,2,4-Trichlorobenzene	7.42	180	17181	469.70 ug/L	72
35) 4-Chloro-3-methylphenol	8.14	107	29347	632.00 ug/L	86
51) Acenaphthene	9.47	153	36680	583.61 ug/L	100
53) 4-Nitrophenol	9.60	109	11459	693.43 ug/L	92
55) 2,4-Dinitrotoluene	9.67	165	8933	333.34 ug/L	94
69) Pentachlorophenol	10.89	266	3655	418.31 ug/L	91
74) Di-n-butylphthalate	11.66	149	13868	141.68 ug/L	98
75) Fluoranthene	12.36	202	805	12.93 ug/L	89
76) Pyrene	12.59	202	38456	611.29 ug/L	100
80) Butylbenzylphthalate	13.29	149	8319	65.89 ug/L	84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : W:\113004\A08289.D Vial: 0
Acq On : 30 Nov 2004 14:34 Operator: CLZ
Sample : SS1285 BS #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 2 10:58 2004 Quant Results File: SV5-111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Thu Dec 09 11:02:25 2004
Response via : Initial Calibration



A08289.D 111604.M Thu Dec 09 13:11:20 2004 Page 3

80800

Data File : W:\113004\A08290.D Vial: 0
Acq On : 30 Nov 2004 15:01 Operator: CLZ
Sample : SS1285 BSD #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 12:32:07 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 12:32:04 2004
Response via : Initial Calibration
DataAcq Meth :

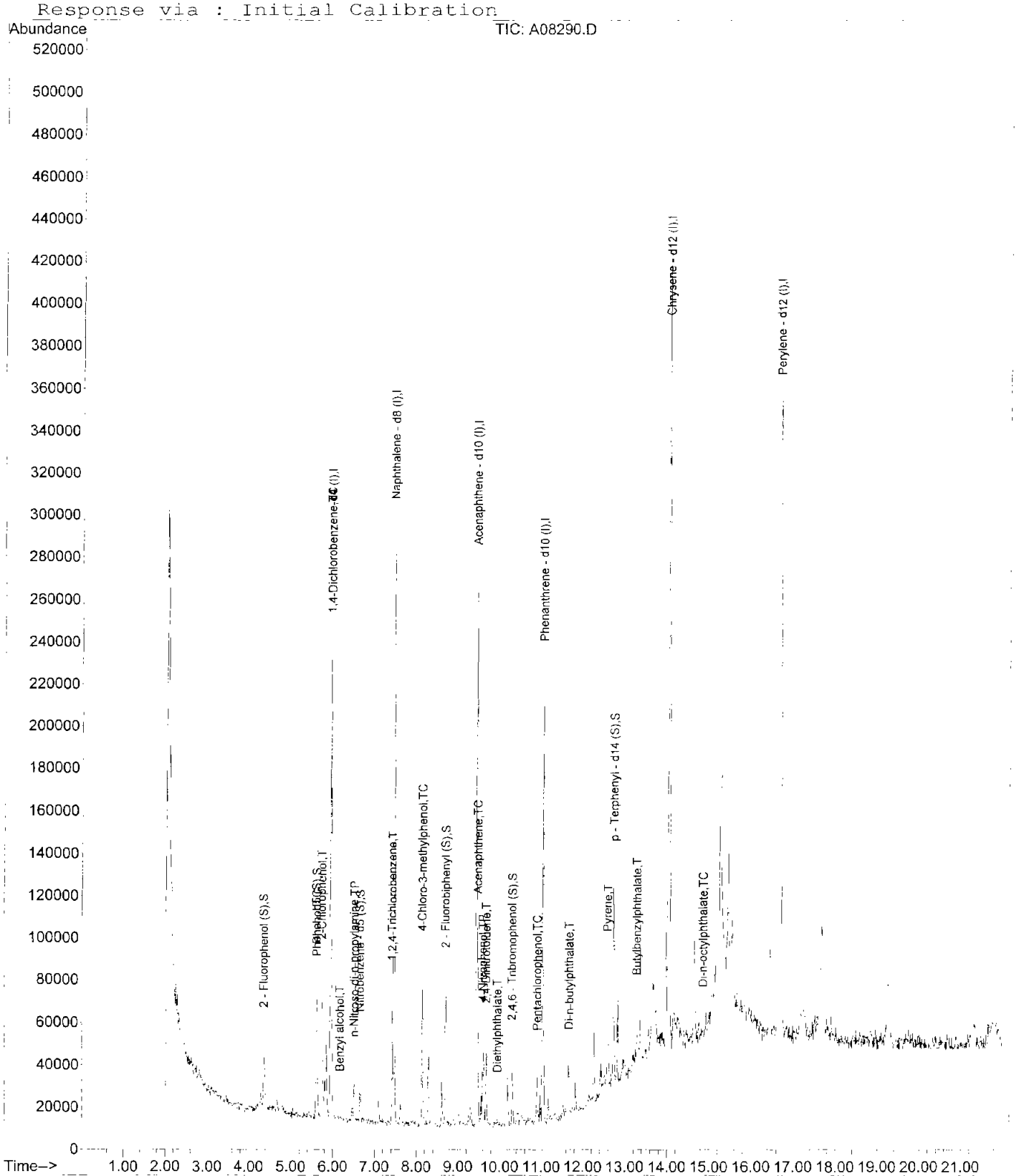
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.95	152	37427	1000.00 ug/L	0.00
22) Naphthalene - d8 (I)	7.47	136	101306	1000.00 ug/L	0.00
38) Acenaphthene - d10 (I)	9.44	162	110902	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.03	188	112356	1000.00 ug/L	0.00
79) Chrysene - d12 (I)	14.04	240	177307	1000.00 ul/l	0.00
85) Perylene - d12 (I)	16.67	264	495887	1000.00 ug/L	-0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.37	112	13794	461.84 ug/L	-0.03
7) Phenol - d5 (S)	5.60	99	14901	459.07 ug/L	-0.01
23) Nitrobenzene - d5 (S)	6.66	82	13701	533.86 ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.70	172	30985	367.43 ug/L	0.02
65) 2,4,6 - Tribromophenol (S)	10.30	330	4556	343.31 ug/L	-0.02
78) p - Terphenyl - d14 (S)	12.73	244	54516	680.60 ug/L	0.00
Target Compounds					Qvalue
8) Phenol	5.62	94	25018	694.99 ug/L	74
10) 2-Chlorophenol	5.74	128	21789	629.90 ug/L	41
13) 1,4-Dichlorobenzene	5.96	146	21468	526.42 ug/L	96
14) Benzyl alcohol	6.16	79	1069	27.93 ug/L	93
19) n-Nitroso-di-n-propylamine	6.51	70	12582	561.53 ug/L	89
31) 1,2,4-Trichlorobenzene	7.42	180	14692	608.42 ug/L	92
35) 4-Chloro-3-methylphenol	8.14	107	18255	595.51 ug/L	81
51) Acenaphthene	9.47	153	40116	445.52 ug/L	100
53) 4-Nitrophenol	9.60	109	14324	605.04 ug/L	97
55) 2,4-Dinitrotoluene	9.67	165	9630	250.83 ug/L	97
58) Diethylphthalate	9.94	149	620	5.20 ug/L	22
69) Pentachlorophenol	10.90	266	3712	285.10 ug/L	88
74) Di-n-butylphthalate	11.67	149	18502	126.84 ug/L	99
76) Pyrene	12.59	202	44965	479.64 ug/L	62
80) Butylbenzylphthalate	13.29	149	6086	66.24 ug/L	90
86) Di-n-octylphthalate	14.86	149	1379	2.10 ug/L	50

(#) = qualifier out of range (m) = manual integration (+) = signals summed

45659
00800

Data File : W:\113004\A08290.D Vial: 0
Acq On : 30 Nov 2004 15:01 Operator: CLZ
Sample : SS1285 BSD #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 12:32 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 01 12:32:04 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\113004\A08290.D
Acq On : 30 Nov 2004 15:01
Sample : SS1285 BSD #20.0000 &2.0 SOIL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 02 11:00:07 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00

Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Thu Dec 02 10:57:25 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	5.95	152	47933	1000.00 ug/L	-0.01
22) Naphthalene - d8 (I)	7.47	136	187962	1000.00 ug/L	0.00
38) Acenaphthene - d10 (I)	9.44	162	110902	1000.00 ug/L	0.00
62) Phenanthrene - d10 (I)	11.03	188	130756	1000.00 ug/L	0.00
79) Chrysene - d12 (I)	14.04	240	352002	1000.00 ul/l	0.00
85) Perylene - d12 (I)	16.67	264	524987	1000.00 ug/L	-0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.37	112	13145	343.64 ug/L	-0.03
7) Phenol - d5 (S)	5.60	99	14541	349.79 ug/L	-0.01
23) Nitrobenzene - d5 (S)	6.66	82	13701	287.74 ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.70	172	30985	367.43 ug/L	0.02
65) 2,4,6 - Tribromophenol (S)	10.30	330	4556	295.00 ug/L	-0.02
78) p - Terphenyl - d14 (S)	12.73	244	54516	584.83 ug/L	0.00
Target Compounds					Qvalue
8) Phenol	5.62	94	25179	546.15 ug/L	88
10) 2-Chlorophenol	5.74	128	21789	491.84 ug/L	41
13) 1,4-Dichlorobenzene	5.96	146	21468	411.04 ug/L	96
19) n-Nitroso-di-n-propylamine	6.51	70	12582	438.45 ug/L	89
28) bis(2-Chloroethoxy)methane	7.23	93	625	12.39 ug/L	45
31) 1,2,4-Trichlorobenzene	7.42	180	14692	327.92 ug/L	92
35) 4-Chloro-3-methylphenol	8.14	107	25333	445.41 ug/L	76
51) Acenaphthene	9.47	153	40116	445.52 ug/L	100
52) 4-Nitrophenol	9.60	109	14324	605.04 ug/L	97
55) 2,4-Dinitrotoluene	9.67	165	9630	250.83 ug/L	97
58) Diethylphthalate	9.94	149	620	5.20 ug/L	22
69) Pentachlorophenol	10.90	266	3712	244.98 ug/L	88
74) Di-n-butylphthalate	11.67	149	18502	108.99 ug/L	99
76) Pyrene	12.59	202	45037	412.81 ug/L	92
80) Butylbenzylphthalate	13.29	149	6086	33.36 ug/L	90

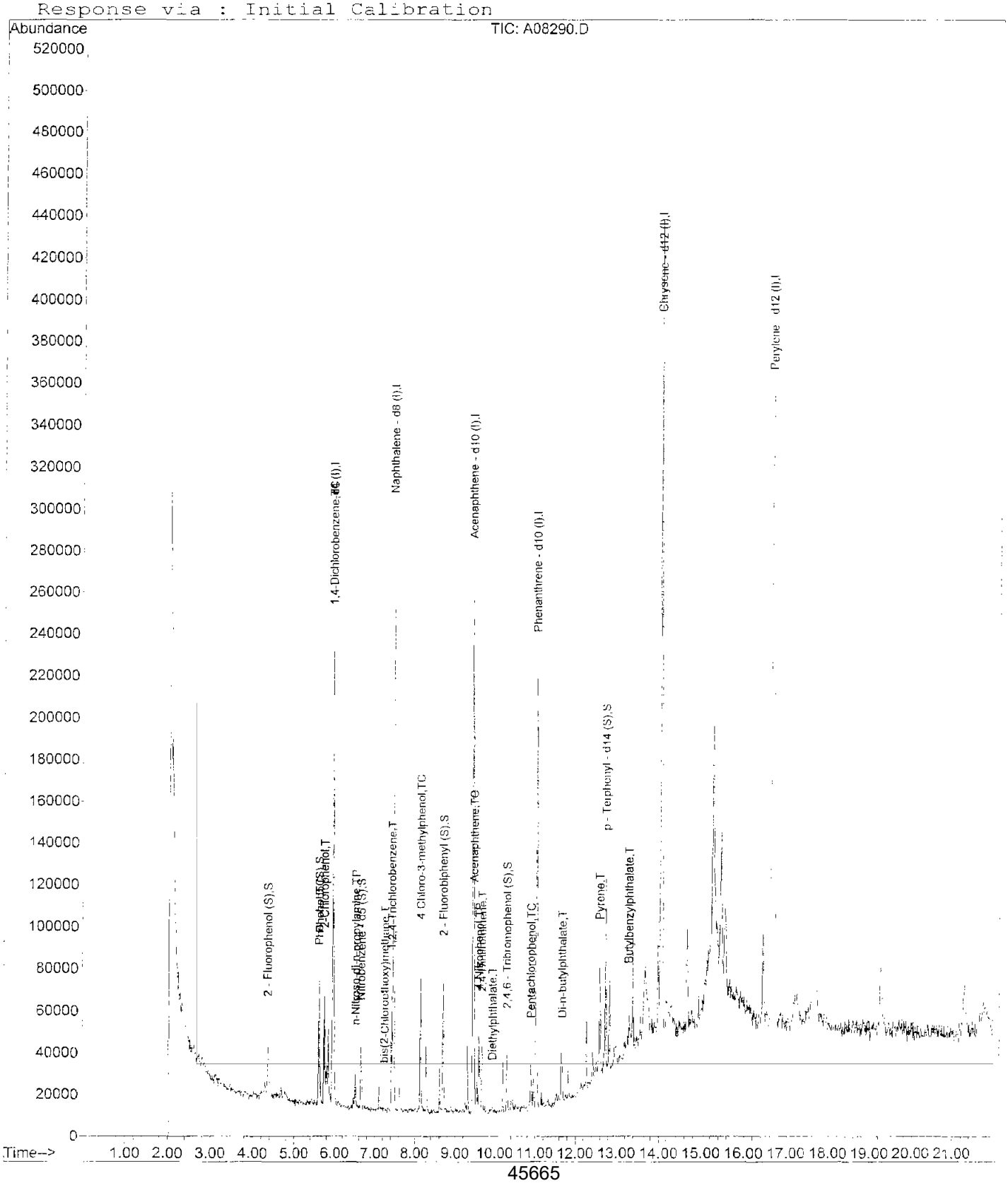
= qualifier out of range (m) = manual integration (+) = signals summed

45663

00811

Data File : W:\113004\A08290.D Vial: 0
Acq On : 30 Nov 2004 15:01 Operator: CLZ
Sample : SS1285 BSD #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 2 11:01 2004 Quant Results File: SV5-111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Thu Dec 09 11:02:25 2004
Response via : Initial Calibration



MATIX SPIKE / MATRIX SPIKE DUPLICATE

00813

Quantitation Report (QT Reviewed)

Data File : U:\DATA\113004\B03583.D Vial: 0
Acq On : 30 Nov 2004 20:40 Operator: CLZ
Sample : 125060-1 MS SW0140 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 04 10:46:31 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.63	152	13440	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.31	136	64240	1000.00 ug/L	-0.01
36) Acenaphthene - d10 (I)	10.32	162	35927	1000.00 ug/L	-0.01
60) Phenanthrene - d10 (I)	11.90	188	58504	1000.00 ug/L	-0.01
77) Chrysene - d12 (I)	14.79	240	89685+	1000.00 ul/l	0.00
83) Perylene - d12 (I)	17.04	264	97215+	1000.00 ug/L	-0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.40	112	4864	342.59 ug/L	0.01
6) Phenol - d5 (S)	6.25	99	3231	192.85 ug/L	0.00
21) Nitrobenzene - d5 (S)	7.44	82	18636	1053.84 ug/L	-0.03
41) 2 - Fluorobiphenyl (S)	9.59	172	27644	999.32 ug/L	0.00
63) 2,4,6 - Tribromophenol (S)	11.18	330	12111	1085.59 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.60	244	58737	1176.31 ug/L	-0.04
Target Compounds					Qvalue
7) Phenol	6.26	94	4595	259.48 ug/L	87
9) 2-Chlorophenol	6.37	128	18488	1103.47 ug/L	93
12) 1,4-Dichlorobenzene	6.65	146	11111	697.54 ug/L	96
18) n-Nitroso-di-n-propylamine	7.31	70	11335	1054.29 ug/L	93
23) Isophorone	7.76	82	4192	173.64 ug/L	100
29) 1,2,4-Trichlorobenzene	8.27	180	8745	682.44 ug/L	100
30) Naphthalene	8.34	128	1257	25.26 ug/L	34
33) 4-Chloro-3-methylphenol	9.03	107	27588+	1092.14 ug/L	97
49) Acenaphthene	10.35	153	29168	986.22 ug/L	100
51) 4-Nitrophenol	10.48	109	2501	717.18 ug/L	81
53) 2,4-Dinitrotoluene	10.57	165	7647	906.48 ug/L	98
67) Pentachlorophenol	11.76	266	13202	1393.03 ug/L	100
68) Phenanthrene	11.92	178	1089	23.32 ug/L	96
72) Di-n-butylphthalate	12.56	149	22431	460.58 ug/L	94
74) Pyrene	13.44	202	54328	933.50 ug/L	85
78) Butylbenzylphthalate	14.15	149	5686	216.59 ug/L	84
82) bis(2-Ethylhexyl)phthalate	14.83	149	9136	215.49 ug/L	96

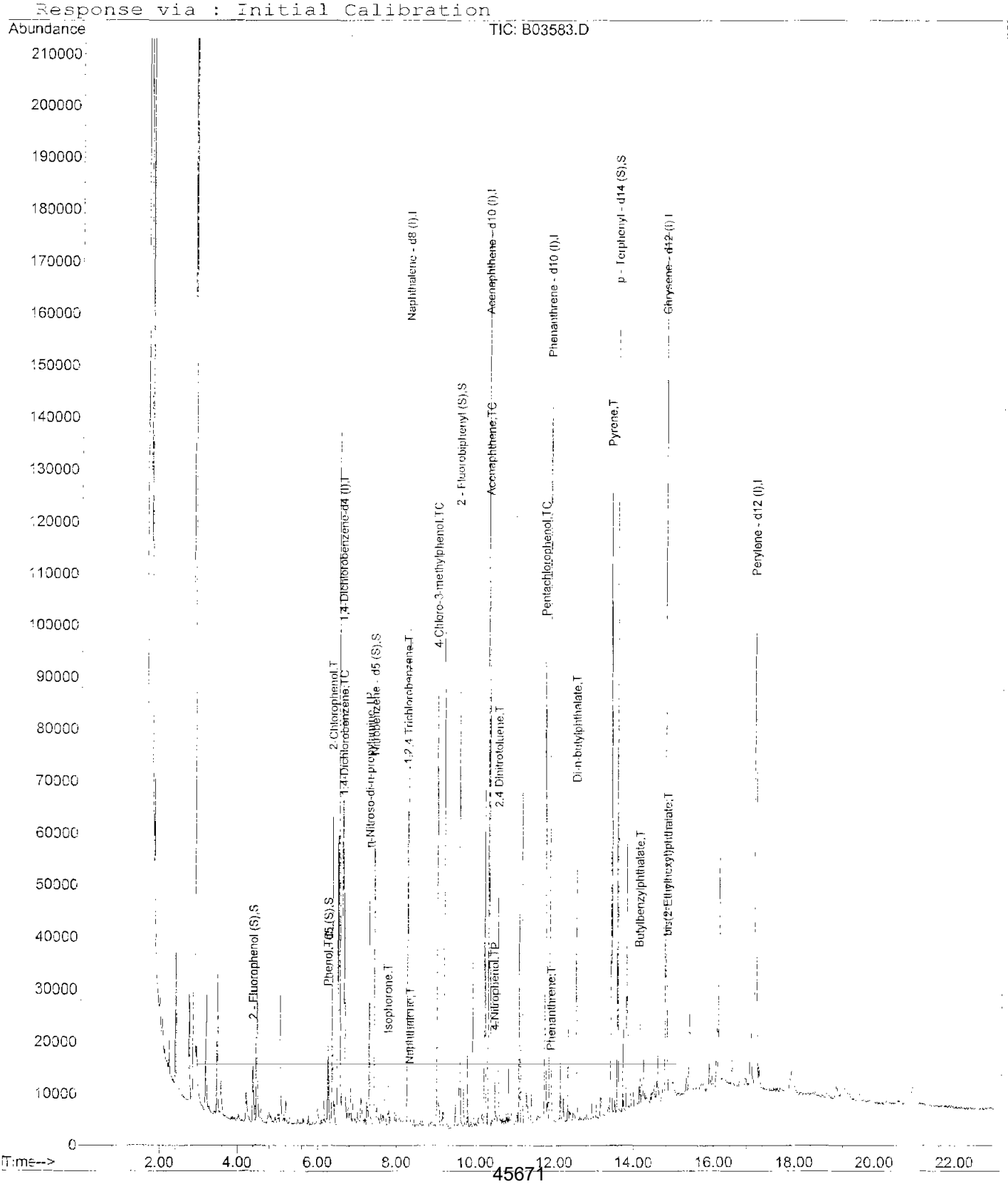
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : U:\DATA\113004\B03583.D
Acq On : 30 Nov 2004 20:40
Sample : 125060-1 MS SW0140 &1.0 WATER
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 4 10:47 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : U:\DATA\113004\B03584.D Vial: 0
Acq On : 30 Nov 2004 21:08 Operator: CLZ
Sample : 125060-1 MSD SW0140 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 04 10:47:41 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.64	152	12924	1000.00 ug/L	0.00
20) Naphthalene - d8 (I)	8.33	136	55956	1000.00 ug/L	0.00
36) Acenaphthene - d10 (I)	10.33	162	36781	1000.00 ug/L	0.00
60) Phenanthrene - d10 (I)	11.91	188	50383	1000.00 ug/L	0.00
77) Chrysene - d12 (I)	14.81	240	73949+	1000.00 ug/L	0.01
83) Perylene - d12 (I)	17.05	264	85475+	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.40	112	3852	282.15 ug/L	0.01
6) Phenol - d5 (S)	6.26	99	2650	164.49 ug/L	0.01
21) Nitrobenzene - d5 (S)	7.46	82	16798	1090.53 ug/L	-0.01
41) 2 - Fluorobiphenyl (S)	9.60	172	27515	971.56 ug/L	0.01
63) 2,4,6 - Tribromophenol (S)	11.19	330	9650	1004.42 ug/L	0.00
76) p - Terphenyl - d14 (S)	13.62	244	45277	1052.91 ug/L	-0.02
Target Compounds					Qvalue
7) Phenol	6.28	94	4586	269.31 ug/L	92
9) 2-Chlorophenol	6.38	128	17469	1084.28 ug/L	89
12) 1,4-Dichlorobenzene	6.66	146	13842	903.68 ug/L	89
18) n-Nitroso-di-n-propylamine	7.33	70	12051	1165.64 ug/L	89
29) 1,2,4-Trichlorobenzene	8.29	180	10311	923.78 ug/L	100
30) Naphthalene	8.35	128	2559	59.04 ug/L	77
33) 4-Chloro-3-methylphenol	9.05	107	24551+	1115.80 ug/L	100
49) Acenaphthene	10.37	153	32798	1083.20 ug/L	100
51) 4-Nitrophenol	10.50	109	1327	371.69 ug/L	95
53) 2,4-Dinitrotoluene	10.58	165	8481	982.00 ug/L	99
67) Pentachlorophenol	11.78	266	10423	1277.07 ug/L	100
72) Di-n-butylphthalate	12.58	149	16757	399.54 ug/L	97
74) Pyrene	13.45	202	53911	1075.65 ug/L	82
78) Butylbenzylphthalate	14.17	149	4297	198.51 ug/L	89
82) bis(2-Ethylhexyl)phthalate	14.85	149	5348	152.98 ug/L	99

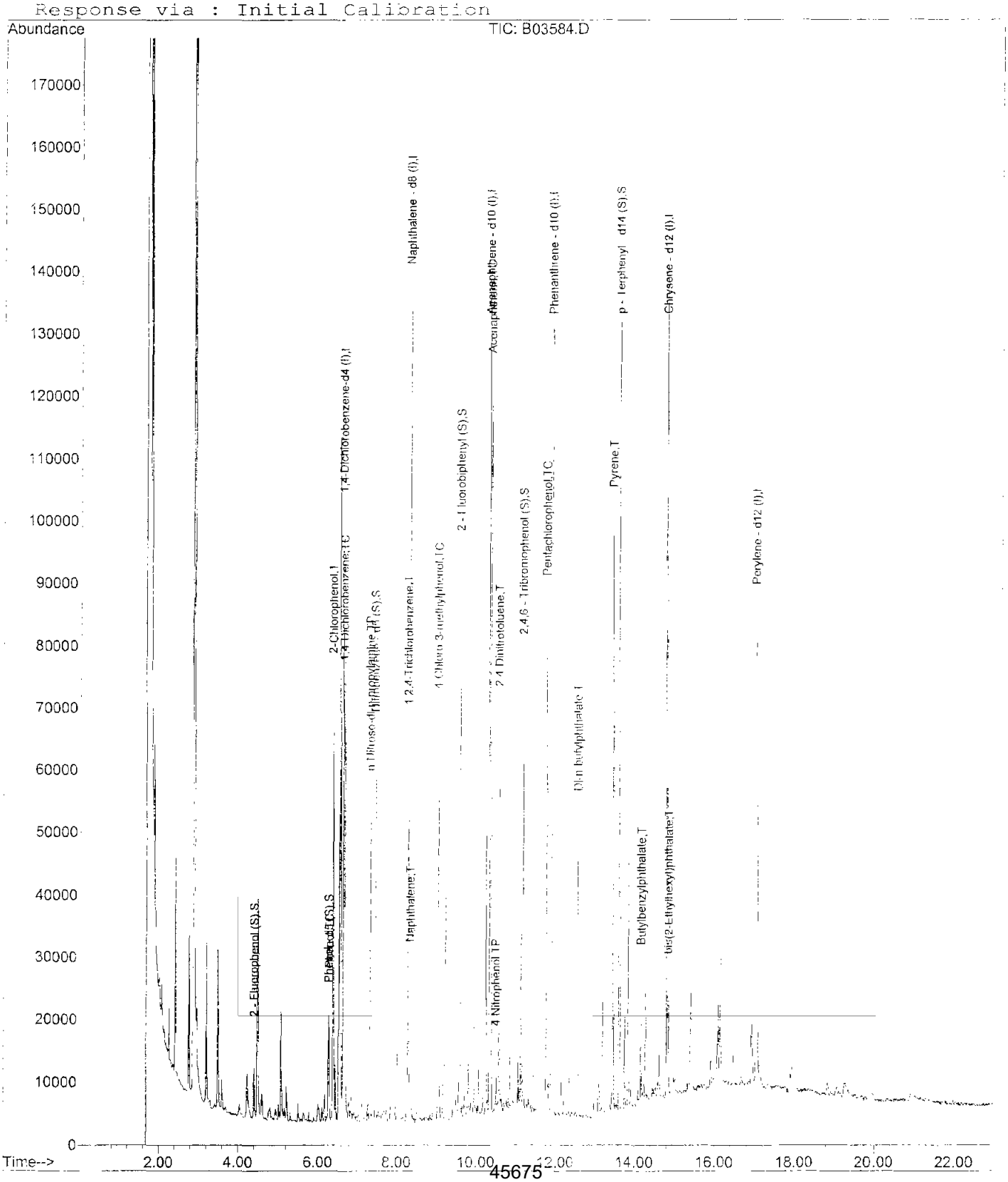
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : U:\DATA\113004\B03584.D
Acq On : 30 Nov 2004 21:08
Sample : 125060-1 MSD SW0140 &1.0 WATER
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 4 10:48 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Sat Dec 04 10:40:55 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : V:\DATA\120704\P54115.D Vial: 0
Acq On : 07 Dec 2004 17:42 Operator: CLZ
Sample : 125059-16 MS SS1285 &2.0 SOIL 1:10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 10:12:15 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 10:12:11 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.50	152	40791	1000.00 ug/L	0.00
21) Naphthalene - d8 (I)	8.10	136	153969	1000.00 ug/L	0.00
37) Acenaphthene - d10 (I)	10.15	162	91740	1000.00 ug/L	0.00
61) Phenanthrene - d10 (I)	11.82	188	209020	1000.00 ug/L	0.00
78) Chrysene - d12 (I)	15.32	240	340940	1000.00 ul/l	0.00
84) Perylene - d12 (I)	18.94	264	449265	1000.00 ug/L	0.00
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.87	112	1367	38.07 ug/L	0.02
7) Phenol - d5 (S)	6.14	99	1984	45.90 ug/L	0.00
22) Nitrobenzene - d5 (S)	7.26	82	2219	46.18 ug/L	0.00
42) 2 - Fluorobiphenyl (S)	9.36	172	3254	44.47 ug/L	0.00
64) 2,4,6 - Tribromophenol (S)	11.05	330	2466	64.24 ug/L	0.00
77) p - Terphenyl - d14 (S)	13.62	244	5224	32.00 ug/L	-0.02

Target Compounds					Qvalue
8) Phenol	6.15	94	3553	72.28 ug/L	91
10) 2-Chlorophenol	6.29	128	2117	51.58 ug/L	65
13) 1,4-Dichlorobenzene	6.52	146	1344	28.47 ug/L	98
16) 2-Methylphenol	6.90	108	735	24.67 ug/L	69
18) 3-&4-Methylphenol	7.08	108	2041	57.92 ug/L	51
19) n-Nitroso-di-n-propylamine	7.09	70	2430	76.30 ug/L	91
26) 2,4-Dimethylphenol	7.72	107	1457	32.13 ug/L	84
30) 1,2,4-Trichlorobenzene	8.04	180	945	25.72 ug/L	83
31) Naphthalene	8.12	128	174143	1489.58 ug/L	67
34) 4-Chloro-3-methylphenol	8.78	107	4536	96.80 ug/L	98
35) 2-Methylnaphthalene	8.92	141	35281	471.36 ug/L	100
36) 1-Methylnaphthalene	9.05	141	20314	282.96 ul/l	94
44) Biphenyl	9.46	154	9821	117.96 ug/L	86
47) Acenaphthylene	9.99	152	8915	82.39 ug/L	89
50) Acenaphthene	10.19	153	171607	2390.53 ug/L	100
53) Dibenzofuran	10.36	168	126890	1296.64 ug/L	90
58) Fluorene	10.75	166	175082	2562.32 ug/L	80
69) Phenanthrene	11.84	178	3470522	22078.42 ug/L	80
70) Anthracene	11.89	178	1096317m	7389.02 ug/L	
72) Carbazole	12.06	167	791595	5612.10 ug/L	80
74) Fluoranthene	13.23	202	4570189	24793.81 ug/L	84
75) Pyrene	13.52	202	4303310	24254.04 ug/L	76
80) Benzo(a)anthracene	15.28	228	4317930	17891.07 ug/L	76
82) Chrysene	15.37	228	3811835	18438.93 ug/L	73
83) bis(2-Ethylhexyl)phthalate	15.17	149	540341	2100.67 ug/L	96
86) Benzofluoranthenes	17.81	252	6552640	19978.12 ug/L	93
87) Benzo(a)pyrene	18.78	252	3536024	11679.31 ug/L	100
88) Indeno(1,2,3-cd)pyrene	23.33	276	2294574	5798.18 ug/L	100
89) Dibenz(a,h)anthracene	23.37	278	917750	2756.12 ug/L	100
90) Benzo(g,h,i)perylene	24.68	276	1856834	5751.02 ug/L	100

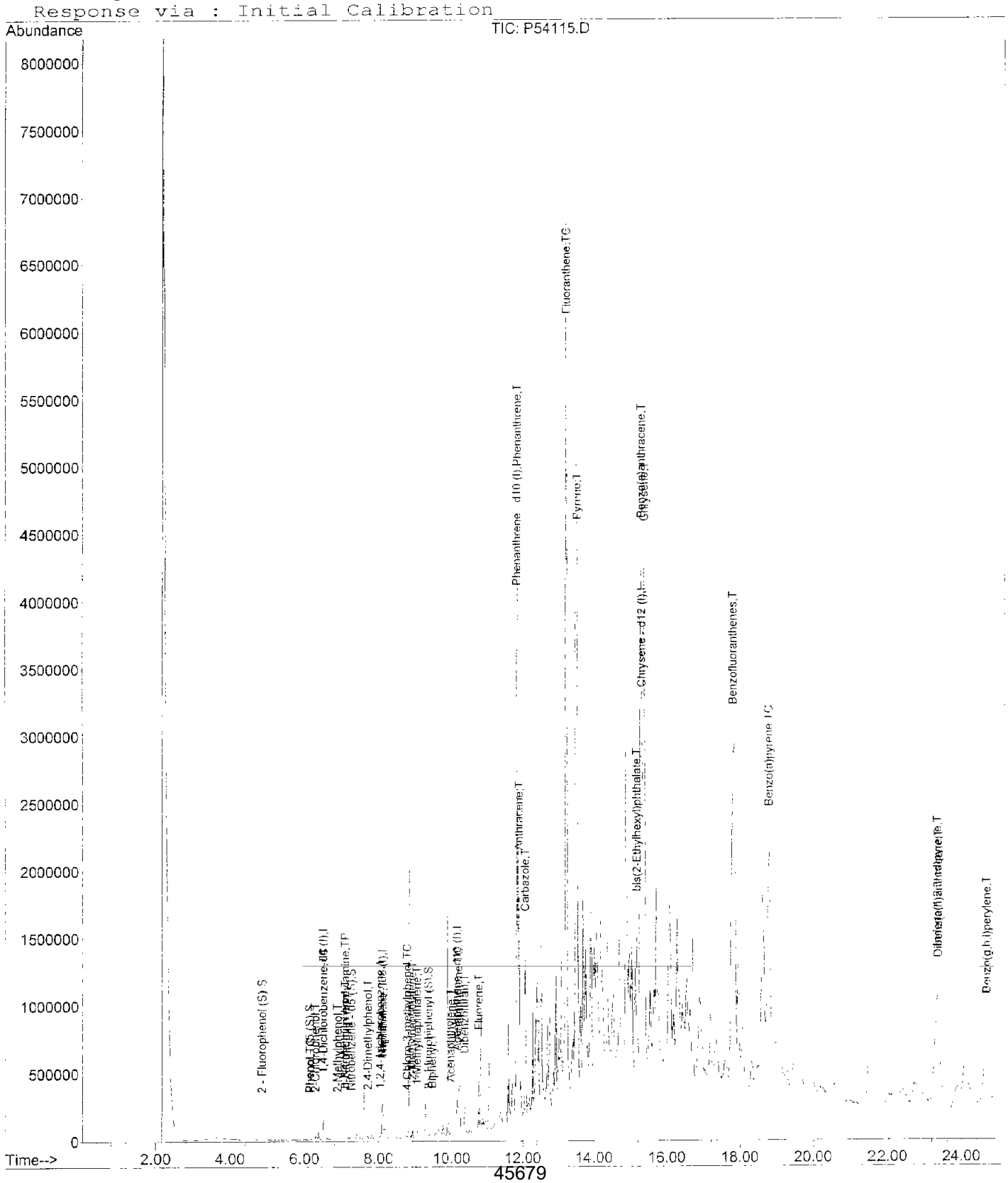
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\DATA\120704\P54115.D
Acq On : 07 Dec 2004 17:42
Sample : 125059-15 MS SS1285 &2.0 SOIL 1:10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 10:14 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 10:12:11 2004
Response via : Initial Calibration



STL Seattle

x	Chrysene	5979.869	6670		22.3
x	bis(2-Ethylhexyl)phthalate	1681.483	1880		223
x	Benzofluoranthenes	8429.662	9410		44.6
x	Benzo(a)pyrene	5239.288	5850		22.3
x	Indeno(1,2,3-cd)pyrene	2782.059	3100		22.3
x	Dibenz(a,h)anthracene	1187.866	1330		22.3
x	Benzo(g,h,i)perylene	2907.134	3240		22.3
x	Carbazole	490.6123	548		112
	Biphenyl	24.7273	27.6	J	112
	1-Methylnaphthalene	20.9245	23.4		22.3

Quantitation Report (QT Reviewed)

Data File : V:\DATA\120704\P54116.D Vial: 0
Acq On : 07 Dec 2004 18:13 Operator: CLZ
Sample : 125059-15 MSD SS1285 &2.0 SOIL 1:10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 08 10:15:24 2004 Quant Results File: 111604.RES

Quant Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 10:12:11 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.51	152	41998	1000.00 ug/L	0.01
21) Naphthalene - d8 (I)	8.10	136	168092	1000.00 ug/L	0.00
37) Acenaphthene - d10 (I)	10.15	162	95671	1000.00 ug/L	0.00
61) Phenanthrene - d10 (I)	11.81	188	241506	1000.00 ug/L	-0.01
78) Chrysene - d12 (I)	15.31	240	495506	1000.00 ul/l	0.00
84) Perylene - d12 (I)	18.95	264	593853	1000.00 ug/L	0.01
System Monitoring Compounds					
4) 2 - Fluorophenol (S)	4.88	112	1440	38.95 ug/L	0.03
7) Phenol - d5 (S)	6.14	99	1891	42.49 ug/L	0.00
22) Nitrobenzene - d5 (S)	7.25	82	1642	31.30 ug/L	-0.01
42) 2 - Fluorobiphenyl (S)	9.36	172	2884	37.79 ug/L	0.00
64) 2,4,6 - Tribromophenol (S)	11.05	330	6232	140.50 ug/L	0.00
77) p - Terphenyl - d14 (S)	13.63	244	8302	44.01 ug/L	0.00
Target Compounds					Qvalue
8) Phenol	6.16	94	3355	66.29 ug/L	96
10) 2-Chlorophenol	6.29	128	2282	54.01 ug/L	57
13) 1,4-Dichlorobenzene	6.53	146	1205	24.79 ug/L	97
16) 2-Methylphenol	6.90	108	633	20.64 ug/L	78
18) 3-&4-Methylphenol	7.09	108	1190	32.80 ug/L	77
19) n-Nitroso-di-n-propylamine	7.09	70	2057	62.73 ug/L	98
26) 2,4-Dimethylphenol	7.72	107	913	18.44 ug/L	89
30) 1,2,4-Trichlorobenzene	8.05	180	998	24.88 ug/L	91
35) 2-Methylnaphthalene	8.93	141	1839	22.50 ug/L	100
36) 1-Methylnaphthalene	9.06	141	1640	20.92 ul/L	81
44) Biphenyl	9.50	154	2147	24.73 ug/L	84
47) Acenaphthylene	10.01	152	7288	64.59 ug/L	83
50) Acenaphthene	10.19	153	20994	280.41 ug/L	100
53) Dibenzofuran	10.36	168	6671	65.37 ug/L	93
58) Fluorene	10.76	166	18026	252.97 ug/L	71
69) Phenanthrene	11.84	178	715274	3938.27 ug/L	77
70) Anthracene	11.89	178	127124m	741.55 ug/L	
72) Carbazole	12.07	167	79957	490.61 ug/L	74
73) Di-n-butylphthalate	12.46	149	24596	100.65 ug/L	83
74) Fluoranthene	13.21	202	2221819	10432.24 ug/L	91
75) Pyrene	13.50	202	2363593	11529.59 ug/L	85
79) Butylbenzylphthalate	14.36	149	17840	81.44 ug/L	91
80) Benzo(a)anthracene	15.28	228	2014538	5743.35 ug/L	75
82) Chrysene	15.36	228	1796640	5979.87 ug/L	90
83) bis(2-Ethylhexyl)phthalate	15.18	149	628600	1681.48 ug/L	99
86) Benzofluoranthenes	17.80	252	3654671	8429.66 ug/L	87
87) Benzo(a)pyrene	18.77	252	2096750	5239.29 ug/L	100
88) Indeno(1,2,3-cd)pyrene	23.32	276	1455302	2782.06 ug/L	100
89) Dibenz(a,h)anthracene	23.36	278	522842	1187.87 ug/L	100
90) Benzo(g,h,i)perylene	24.65	276	1240708	2907.13 ug/L	100

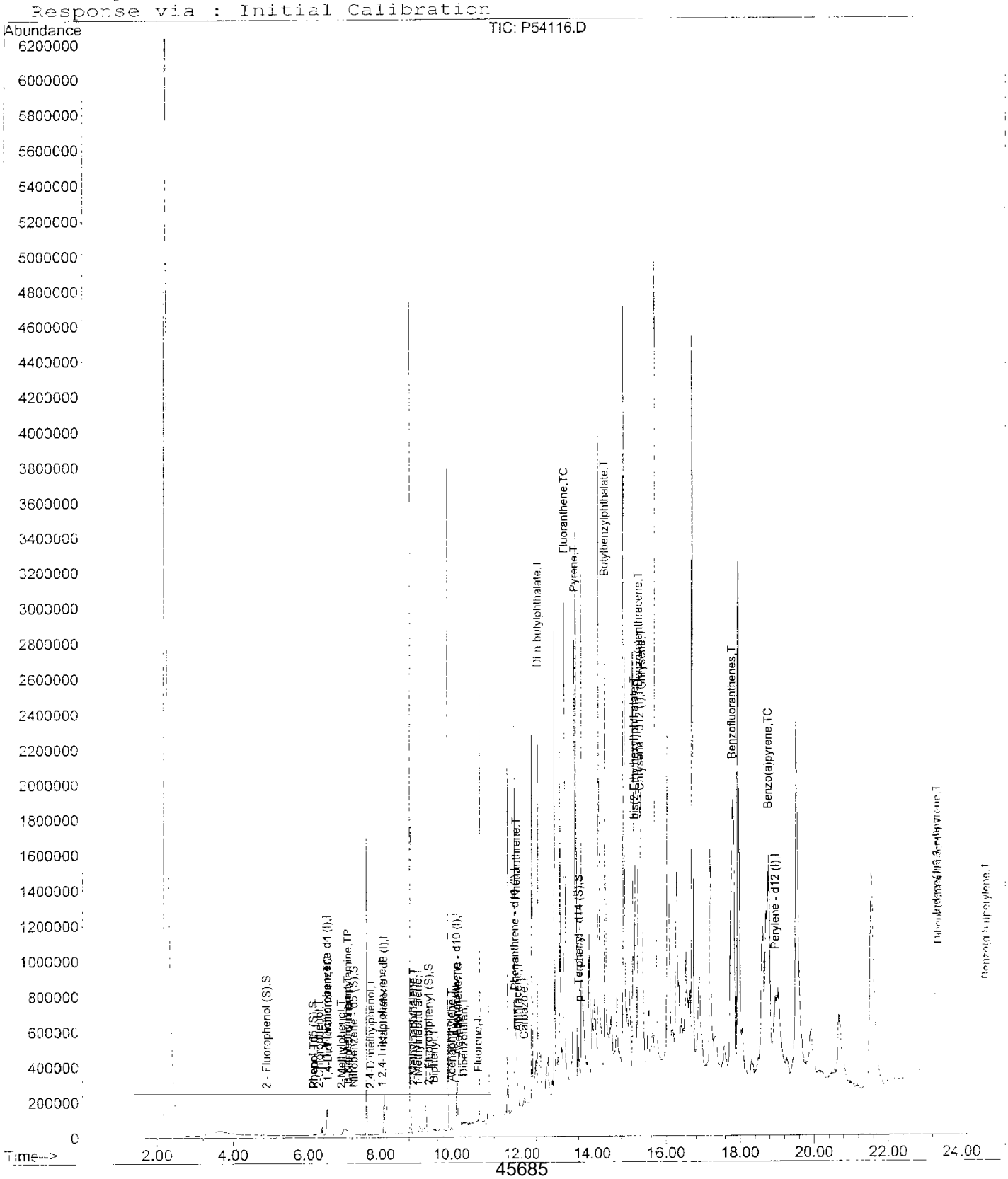
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : V:\DATA\120704\P54116.D
Acq On : 07 Dec 2004 18:13
Sample : 125059-15 MSD SS1285 &2.0 SOIL 1:10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 8 10:16 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00
Quant Results File: 111604.RES

Method : V:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Dec 08 10:12:11 2004
Response via : Initial Calibration



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00822

LABORATORY WORKSHEETS

00823

Semivolatile GCMS Worksheet - total

QC Level:Tier IV

Matrix:Liquid

URS Corporation

Due: 12/08/04 | **Work Order - 125060**

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-1		Client Sample ID	041123SGA13BDW
Sample Weight/Volume		Date Received	11/24/2004
		Date Sampled	**1/23/2004 10:10:00 AM**
SVOC 8270			
Sample number 125060-2		Client Sample ID	041123SGA14BDW
Sample Weight/Volume		Date Received	11/24/2004
		Date Sampled	**1/23/2004 10:30:00 AM**
SVOC 8270			
Sample number 125060-10		Client Sample ID	041123SGA15ERW
Sample Weight/Volume		Date Received	11/24/2004
		Date Sampled	**11/23/2004 5:00:00 PM**
SVOC 8270			
Sample number 125060-11		Client Sample ID	041123SGA16ERW
Sample Weight/Volume		Date Received	11/24/2004
		Date Sampled	**11/23/2004 5:20:00 PM**
SVOC 8270			

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date _____

Reviewed by _____ Date 45689

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

00824

Semivolatile GCMS Worksheet - total

QC Level:Tier IV

Matrix:solid

URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-3	Client Sample ID	041123SGA28SS
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**1/23/2004 12:45:00 PM**
SVOC 8270		

Sample number 125060-4	Client Sample ID	041123SGA29SS
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 1:15:00 PM**
SVOC 8270		

Sample number 125060-5	Client Sample ID	041123SGA30SS
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 2:15:00 PM**
SVOC 8270		

Sample number 125060-6	Client Sample ID	041123SGA31SS
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 2:30:00 PM**
SVOC 8270		

Sample number 125060-8	Client Sample ID	041123SGA33SS
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 3:45:00 PM**
SVOC 8270		

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst Liz Date 12/8/04

Reviewed by Date 45691

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

00825

Printed - 11/30/2004

Semivolatile Analysis by USEPA Method 8270

QCBatch ID	SW1040	pH2	pH7	pH12
Sample Matrix	Liquid	X		X
Surrogate Standard No	1281-3-1			
Expiration Date	10/15/2005	Volume Measured By/Date 11-29-04 th		
8270 Spike No.	1281-1-11	Extracted By/Date 11-29-04 th		
		low level SVOC's by 8270		
Internal Standard No.	980-100-3			
Expiration Date	4/3/2005			
MeCl2 Lot Number	A35E08			
Extraction Method	3510 Separatory Funnel			

QC Sample Type		Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	SW1040	1000	1	10	N/A
Duplicate	none				
Duplicate-2	none				
Blank Spike	sSW1040	1000	1	10	10
Blank Spike Duplicate	dSW1040	1000	1	10	10
Matrix Spike	125060s1	880	1	10	10
Matrix Spike Duplicate	125060d1	1052	1	10	10
Matrix Spike-2	none				
Matrix Spike Duplicate-2	none				

Sample		Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	Comments
125059-6	041122SGA12GW	1007	1	10	
125060-1	041123SGA13BDV	1058	1	10	
125060-2	041123SGA14BDV	889	1	10	
125060-10	041123SGA15ERV	846	1	10	
125060-11	041123SGA16ERV	855	1	10	

Printed - 11/30/04

Semivolaile Analysis by USEPA Method 8270

QC Batch ID	ss1285				
Sample Matrix	~~oil~~ soil				
Surrogate Std. No.	1281-3-1				
Expiration date	10/15/05	weighed			
8270 Matrix Spike No.	980-92-4	extracted			
Expiration date	12/03/04				
Internal Standard No.	980-89-1				
Expiration date	11/14/04				
MeCl2 Lot No.	X46E04				
Na2SO4 Lot No.					
Extraction Method	3550M sonication				

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	ss1285	20.0000	2	10	NA
Duplicate					NA
Duplicate-2	none				NA
Blank Spike	sss1285	20.0000	2	10	10
Blank Spike Duplicate	dss1285	20.0000	2	10	10
Matrix Spike	125059s15	20.8759	2	10	10
Matrix Spike Duplicate	125059d15	20.8007	2	10	10
Matrix Spike-2	124993s20				
Matrix Spike Duplicate-2	124993d20				

Sample	Client Sample ID	SampleWeight (g)	Final Volume (ml)	Surr Spike (ul)	Comments
125059-8	041122SGA21SS	20.8757	2	10	
125059-10	041122SGA23SS	20.4076	2	10	
125059-12	041122SGA14SS	20.2310	2	10	
125059-13	041122SGA15SS	20.5616	2	10	
125059-14	041122SGA16SS	20.8685	2	10	
125059-15	041122SGA17SS	20.5953	2	10	
125059-16	041122SGA18SS	20.1844	2	10	
125059-17	041122SGA19SS	20.9607	2	10	
125060-3	041123SGA28SS	20.6836	2	10	
125060-4	041123SGA29SS	20.7292	2	10	
125060-5	041123SGA30SS	20.3808	2	10	
125060-6	041123SGA31SS	20.4821	2	10	
125060-8	041123SGA33SS	20.6972	2	10	

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6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	Related Blank: noblank
QC Batch Number	**SW1040**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**11-30-04**
Sample matrix type	**liquid**
QC sample type	**blank**

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.001
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	359.5437		36	**OK**	2	120
x	Phenol - d5	231.5268		23.2	**OK**	1	102
x	Nitrobenzene - d5	717.3331		71.7	**OK**	34	146
x	2 - Fluorobiphenyl	756.0073		75.6	**OK**	35	143
x	2,4,6 - Tribromophenol	660.4417		66	**OK**	29	151
x	p - Terphenyl - d14	688.5669		68.9	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Di-n-butylphthalate	149.9941			0.15	J	0.2
x	Butylbenzylphthalate	57.68			ND		0.3
x	bis(2-Ethylhexyl)phthalate	111.4829			ND		1.5

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6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**sw1040**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**11-30-04**
Sample matrix type	**liquid**
QC sample type	**bs**

Related Blank: sw1040

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.001
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	**1**
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	**1**
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	727.3474		72.7	**OK**	2	120
x	Phenol - d5	512.4666		51.2	**OK**	1	102
x	Nitrobenzene - d5	1322.637		132	**OK**	34	146
x	2 - Fluorobiphenyl	1245.17		125	**OK**	35	143
x	2,4,6 - Tribromophenol	1162.62		116	**OK**	29	151
x	p - Terphenyl - d14	1205.058		121	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	752.9757			0.753		0.2
x	2-Chlorophenol	1743.113			1.74		0.2
x	1,4-Dichlorobenzene	1211.883			1.21		0.2
x	N-nitroso-di-n-propylamine	1304.389			1.3		0.2
x	1,2,4-Trichlorobenzene	1328.332			1.33		0.2
x	4-Chloro-3-methylphenol	2030.049			2.03		0.2
x	Acenaphthene	1273.157			1.27		0.02
x	4-Nitrophenol	1190.415			1.19		1
x	2,4-Dinitrotoluene	1145.105			1.15		0.2
x	Pentachlorophenol	1374.886			1.37		0.2
x	Di-n-butylphthalate	411.1236		149.994	0.411	B1	0.2
x	Pyrene	1096.284			1.1		0.02
x	Butylbenzylphthalate	242.8377			0.243	J	0.3
x	bis(2-Ethylhexyl)phthalate	168.9699			ND		1.5

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6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	Related Blank: sw1040
QC Batch Number	**sw1040**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**11-30-04**
Sample matrix type	**liquid**
QC sample type	**bsd**

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.001
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	731.8136		73.2	**OK**	2	120
x	Phenol - d5	480.2862		48	**OK**	1	102
x	Nitrobenzene - d5	1234.884		123	**OK**	34	146
x	2 - Fluorobiphenyl	1179.557		118	**OK**	35	143
x	2,4,6 - Tribromophenol	1089.97		109	**OK**	29	151
x	p - Terphenyl - d14	1147.898		115	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	860.4113			0.86		0.2
x	2-Chlorophenol	1817.772			1.82		0.2
x	1,4-Dichlorobenzene	1274.771			1.27		0.2
x	N-nitroso-di-n-propylamine	1374.414			1.37		0.2
x	1,2,4-Trichlorobenzene	1151.171			1.15		0.2
x	4-Chloro-3-methylphenol	2137.759			2.14		0.2
x	Acenaphthene	1300.61			1.3		0.02
x	4-Nitrophenol	1139.6			1.14		1
x	2,4-Dinitrotoluene	1299.159			1.3		0.2
x	Pentachlorophenol	1497.449			1.5		0.2
x	Di-n-butylphthalate	422.5177		149.994	0.423	B1	0.2
x	Pyrene	1212.706			1.21		0.02
x	Butylbenzylphthalate	148.3183			0.148	J	0.3
x	bis(2-Ethylhexyl)phthalate	141.5097			ND		1.5

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6a **Sample Information**

Thi Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**1**
QC Batch Number	**sw1040**
Client Sample ID	**41123SGA13BDW**
Date Received	**11-24-04**
Date Prepared	**11-29-04**
Date Analyzed	**11-30-04**
Sample matrix type	**liquid**
QC sample type	**msd**

Related Blank: sw1040

Sample volume (ml)	**1052**	=	1.052 /L	Calc. Fact.	0.00095057
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	0.950570342
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	282.1461		28.2	**OK**	2	120
x	Phenol - d5	164.4891		16.4	**OK**	1	102
x	Nitrobenzene - d5	1090.527		109	**OK**	34	146
x	2 - Fluorobiphenyl	971.565		97.2	**OK**	35	143
x	2,4,6 - Tribromophenol	1004.419		100	**OK**	29	151
x	p - Terphenyl - d14	1052.909		105	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	269.3126			0.256		0.19
x	2-Chlorophenol	1084.283			1.03		0.19
x	1,4-Dichlorobenzene	903.6827			0.859		0.19
x	N-nitroso-di-n-propylamine	1165.64			1.11		0.19
x	1,2,4-Trichlorobenzene	923.7764			0.878		0.19
x	Naphthalene	59.0383			0.0561		0.0475
x	4-Chloro-3-methylphenol	1115.804			1.06		0.19
x	Acenaphthene	1083.203			1.03		0.019
x	4-Nitrophenol	371.6901			0.353	J	0.951
x	2,4-Dinitrotoluene	982.0022			0.933		0.19
x	Pentachlorophenol	1277.07			1.21		0.19
x	Di-n-butylphthalate	399.5357		149.994	0.38	B1	0.19
x	Pyrene	1075.65			1.02		0.019
x	Butylbenzylphthalate	198.5102			0.189	J	0.285
x	bis(2-Ethylhexyl)phthalate	152.9821			ND		1.43

STL Seattle

6a **Sample Information**

Thi Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**1**
QC Batch Number	**sw1040**
Client Sample ID	**41123SGA13BDW**
Date Received	**11-24-04**
Date Prepared	**11-29-04**
Date Analyzed	**11-30-04**
Sample matrix type	**liquid**
QC sample type	**ms**

Related Blank: sw1040

Sample volume (ml)	**880**	=	0.88 /L	Calc. Fact.	0.001136364
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.136363636
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	342.5935		34.3	**OK**	2	120
x	Phenol - d5	192.8528		19.3	**OK**	1	102
x	Nitrobenzene - d5	1053.836		105	**OK**	34	146
x	2 - Fluorobiphenyl	999.3228		99.9	**OK**	35	143
x	2,4,6 - Tribromophenol	1085.59		109	**OK**	29	151
x	p - Terphenyl - d14	1176.315		118	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	259.4812			0.295		0.227
x	2-Chlorophenol	1103.474			1.25		0.227
x	1,4-Dichlorobenzene	697.5381			0.793		0.227
x	N-nitroso-di-n-propylamine	1054.291			1.2		0.227
x	Isophorone	173.6434			0.197	J	0.227
x	1,2,4-Trichlorobenzene	682.444			0.776		0.227
x	Naphthalene	25.2604			0.0287	J	0.0568
x	4-Chloro-3-methylphenol	1092.144			1.24		0.227
x	Acenaphthene	986.2156			1.12		0.0227
x	4-Nitrophenol	717.177			0.815	J	1.14
x	2,4-Dinitrotoluene	906.4817			1.03		0.227
x	Pentachlorophenol	1393.029			1.58		0.227
x	Phenanthrene	25.324			0.0288		0.0227
x	Di-n-butylphthalate	460.5814		149.994	0.523	B1	0.227
x	Pyrene	933.5031			1.06		0.0227
x	Butylbenzylphthalate	216.5892			0.246	J	0.341
x	bis(2-Ethylhexyl)phthalate	215.4853			ND		1.7

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6a **Sample Information**

Th Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**3**
QC Batch Number	**SS1285**
Client Sample ID	**041123SGA28SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**11-30-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: SS1285

Sample weight (g)	**20.6836**	=	0.02068 /kg	Calc. Fact.	0.110559074
Extract volume (ml)	**2**	=	2 ml	Dry Weight	18.08987656 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**87.46**	=	0.8746	Spike Factor	55.27953697
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	498.1243		99.6	**OK**	2	120
x	Phenol - d5	765.1892	X9	153	**HIGH**	1	102
x	Nitrobenzene - d5	413.6902		82.7	**OK**	34	146
x	2 - Fluorobiphenyl	388.6794		77.7	**OK**	35	143
x	2,4,6 - Tribromophenol	460.0645		92	**OK**	29	151
x	p - Terphenyl - d14	427.038		85.4	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Benzyl Alcohol	70.6395			7.81		5.53
x	3-&4-Methylphenol	22.2708			2.46	J	5.53
x	Naphthalene	23.1452			2.56		2.21
x	2-Methylnaphthalene	11.6927			1.29	J	2.21
x	Acenaphthylene	12.5536			1.39	J	2.21
x	Acenaphthene	48.9003			5.41		2.21
x	Dibenzofuran	9.008			0.996	J	5.53
x	Diethylphthalate	19.3126			ND		11.1
x	Phenanthrene	345.4358			38.2		2.21
x	Anthracene	45.5004			5.03		2.21
x	Di-n-butylphthalate	71.4696		63.8245	7.9	J B1	11.1
x	Fluoranthene	650.0597			71.9		2.21
x	Pyrene	717.3579			79.3		2.21
x	Benzo(a)anthracene	563.5075			62.3		2.21
x	Chrysene	681.4989			75.3		2.21
x	bis(2-Ethylhexyl)phthalate	1987.402			220		22.1
x	Di-n-octylphthalate	145.8265			16.1	J	22.1
x	Benzofluoranthenes	1222.973			135		4.42
x	Benzo(a)pyrene	670.0099			74.1		2.21
x	Indeno(1,2,3-cd)pyrene	450.0069			49.8		2.21

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x	Dibenz(a,h)anthracene	149.6336	16.5		2.21
x	Benzo(g,h,i)perylene	600.2435	66.4		2.21
x	Carbazole	41.2184	4.56	J	11.1
	Biphenyl	14.0677	1.56	J	11.1

STL Seattle

6a **Sample Information**

Th	Client Name	**URS Corporation**
	Work Order Number	**125060**
	Sample Number	**1**
	QC Batch Number	**sw1040**
	Client Sample ID	**41123SGA13BDW**
	Date Received	**11-24-04**
	Date Prepared	**11-29-04**
	Date Analyzed	**11-30-04**
	Sample matrix type	**liquid**
	QC sample type	**sample**

Related Blank: sw1040

Sample volume (ml)	**1058**	=	1.058 /L	Calc. Fact.	0.00094518
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	0.945179584
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	283.6668		28.4	**OK**	2	120
x	Phenol - d5	162.0955		16.2	**OK**	1	102
x	Nitrobenzene - d5	1172.444		117	**OK**	34	146
x	2 - Fluorobiphenyl	1015.513		102	**OK**	35	143
x	2,4,6 - Tribromophenol	920.8203		92.1	**OK**	29	151
x	p - Terphenyl - d14	1247.168		125	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Benzyl Alcohol	50.572			0.0478	J	0.189
x	Benzoic Acid	6.1013			ND		0.945
x	Naphthalene	16.5893			ND		0.0473
x	Di-n-butylphthalate	413.9089		149.994	0.391	B1	0.189
x	Butylbenzylphthalate	125.575			0.119	J	0.284
x	bis(2-Ethylhexyl)phthalate	155.6252			ND		1.42
	Octadecane	110.7349			ND		0.189

STL Seattle

6a **Sample Information**

Th	Client Name	**URS Corporation**
	Work Order Number	**125060**
	Sample Number	**2**
	QC Batch Number	**sw1040**
	Client Sample ID	**41123SGA14BDW**
	Date Received	**11-24-04**
	Date Prepared	**11-29-04**
	Date Analyzed	**11-30-04**
	Sample matrix type	**liquid**
	QC sample type	**sample**

Related Blank: sw1040

Sample volume (ml)	**889**	=	0.889 /L	Calc. Fact.	0.001124859
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.124859393
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	436.8574		43.7	**OK**	2	120
x	Phenol - d5	256.6439		25.7	**OK**	1	102
x	Nitrobenzene - d5	877.0623		87.7	**OK**	34	146
x	2 - Fluorobiphenyl	926.9055		92.7	**OK**	35	143
x	2,4,6 - Tribromophenol	1197.327		120	**OK**	29	151
x	p - Terphenyl - d14	1196.395		120	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Benzyl Alcohol	95.4665			0.107	J	0.225
x	Naphthalene	12.4419			ND		0.0562
x	Di-n-butylphthalate	568.214		149.994	0.639	B1	0.225
x	Butylbenzylphthalate	177.7372			0.2	J	0.337
x	bis(2-Ethylhexyl)phthalate	197.5166			ND		1.69
x	Di-n-octylphthalate	42.5258			0.0478	J	0.225
	Octadecane	36.9213			ND		0.225

STL Seattle

6a **Sample Information**

Th Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**5**
QC Batch Number	**SS1285**
Client Sample ID	**041123SGA30SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**11-30-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: SS1285

Sample weight (g)	**20.3808**	=	0.02038 /kg	Calc. Fact.	0.123234428
Extract volume (ml)	**2**	=	2 ml	Dry Weight	16.22923104 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**79.63**	=	0.7963	Spike Factor	61.61721387
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	477.7412		95.5	**OK**	2	120
x	Phenol - d5	655.513		131	**OK**	1	102
x	Nitrobenzene - d5	567.4325		113	**OK**	34	146
x	2 - Fluorobiphenyl	524.7097		105	**OK**	35	143
x	2,4,6 - Tribromophenol	519.4805		104	**OK**	29	151
x	p - Terphenyl - d14	506.4415		101	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Benzoic Acid	221.1615			27.3	J	73.9
x	Naphthalene	20.2551			2.5		2.46
x	Acenaphthene	47.7394			5.88		2.46
x	Fluorene	57.8723			7.13		2.46
x	Phenanthrene	200.9809			24.8		2.46
x	Anthracene	69.4121			8.55		2.46
x	Di-n-butylphthalate	87.8243		63.8245	10.8	J B1	12.3
x	Fluoranthene	427.2871			52.7		2.46
x	Pyrene	418.9264			51.6		2.46
x	Benzo(a)anthracene	391.9528			48.3		2.46
x	Chrysene	696.1952			85.8		2.46
x	bis(2-Ethylhexyl)phthalate	2693.909			332		24.6
x	Di-n-octylphthalate	500.0841			61.6		24.6
x	Benzofluoranthenes	595.4339			73.4		4.93
x	Benzo(a)pyrene	328.2061			40.4		2.46
x	Indeno(1,2,3-cd)pyrene	214.8559			26.5		2.46
x	Dibenz(a,h)anthracene	9.9961			1.23	J	2.46
x	Benzo(g,h,i)perylene	241.9942			29.8		2.46
x	Carbazole	77.0032			9.49	J	12.3

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6a **Sample Information**

Th	Client Name	**URS Corporation**
	Work Order Number	**125060**
	Sample Number	**6**
	QC Batch Number	**SS1285**
	Client Sample ID	**041123SGA31SS**
	Date Received	**11-24-04**
	Date Prepared	**11-30-04**
	Date Analyzed	**11-30-04**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: SS1285

Sample weight (g)	**20.4821**	=	0.02048 /kg	Calc. Fact.	0.12623948
Extract volume (ml)	**2**	=	2 ml	Dry Weight	15.84290435 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**77.35**	=	0.7735	Spike Factor	63.11973978
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	382.6119		76.5	**OK**	2	120
x	Phenol - d5	486.5046		97.3	**OK**	1	102
x	Nitrobenzene - d5	372.3586		74.5	**OK**	34	146
x	2 - Fluorobiphenyl	341.0537		68.2	**OK**	35	143
x	2,4,6 - Tribromophenol	468.978		93.8	**OK**	29	151
x	p - Terphenyl - d14	427.5591		85.5	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Diethylphthalate	14.4923			ND		12.6
x	Di-n-butylphthalate	104.1272		63.8245	13.1	B1	12.6

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6a **Sample Information**

Th	Client Name	**URS Corporation**
	Work Order Number	**125060**
	Sample Number	**8**
	QC Batch Number	**SS1285**
	Client Sample ID	**041123SGA33SS**
	Date Received	**11-24-04**
	Date Prepared	**11-30-04**
	Date Analyzed	**11-30-04**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: SS1285

Sample weight (g)	**20.6972**	=	0.0207 /kg	Calc. Fact.	0.118960271
Extract volume (ml)	**2**	=	2 ml	Dry Weight	16.81233556 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**81.23**	=	0.8123	Spike Factor	59.48013567
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	597.0776		119	**OK**	2	120
x	Phenol - d5	838.1296	X9	168	**HIGH**	1	102
x	Nitrobenzene - d5	475.6611		95.1	**OK**	34	146
x	2 - Fluorobiphenyl	498.6257		99.7	**OK**	35	143
x	2,4,6 - Tribromophenol	594.0784		119	**OK**	29	151
x	p - Terphenyl - d14	688.9252		138	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Benzoic Acid	143.1088			ND		71.4
x	2-Methylnaphthalene	22.2249			2.64		2.38
x	Acenaphthene	68.0012			8.09		2.38
x	Phenanthrene	153.5057			18.3		2.38
x	Anthracene	53.92			6.41		2.38
x	Di-n-butylphthalate	159.7343		63.8245	19	B1	11.9
x	Fluoranthene	350.0045			41.6		2.38
x	Pyrene	376.5182			44.8		2.38
x	Benzo(a)anthracene	222.7023			26.5		2.38
x	Chrysene	274.7989			32.7		2.38
x	bis(2-Ethylhexyl)phthalate	4556.8	D10		542	D10	23.8
x	Di-n-octylphthalate	740.3523			88.1		23.8
x	Benzofluoranthenes	327.926			39		4.76
x	Benzo(a)pyrene	243.2963			28.9		2.38
x	Indeno(1,2,3-cd)pyrene	128.4134			15.3		2.38
x	Benzo(g,h,i)perylene	158.8453			18.9		2.38

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6a **Sample Information**

Th	Client Name	**URS Corporation**
	Work Order Number	**125060**
	Sample Number	**10**
	QC Batch Number	**sw1040**
	Client Sample ID	**41123SGA15ERW**
	Date Received	**11-24-04**
	Date Prepared	**11-29-04**
	Date Analyzed	**11-30-04**
	Sample matrix type	**liquid**
	QC sample type	**sample**

Related Blank: sw1040

Sample volume (ml)	**846**	=	0.846 /L	Calc. Fact.	0.001182033
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.182033097
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	689.7139		69	**OK**	2	120
x	Phenol - d5	402.395		40.2	**OK**	1	102
x	Nitrobenzene - d5	1260.426		126	**OK**	34	146
x	2 - Fluorobiphenyl	1343.009		134	**OK**	35	143
x	2,4,6 - Tribromophenol	1330.923		133	**OK**	29	151
x	p - Terphenyl - d14	1252.835		125	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Naphthalene	235.955			0.279		0.0591
x	2-Methylnaphthalene	98.1648			0.116		0.0591
x	Acenaphthene	35.1436			0.0415		0.0236
x	Dibenzofuran	88.1743			0.104	J	0.236
x	Diethylphthalate	25.2032			ND		0.236
x	Fluorene	57.1264			0.0675		0.0236
x	Phenanthrene	238.7914			0.282		0.0236
x	Anthracene	31.0669			0.0367		0.0236
x	Di-n-butylphthalate	465.7866		149.994	0.551	B1	0.236
x	Fluoranthene	49.7932			0.0589		0.0236
x	Pyrene	19.2502			0.0228	J	0.0236
x	Butylbenzylphthalate	73.6531			ND		0.355
x	bis(2-Ethylhexyl)phthalate	239.7616			ND		1.77
	1-Methylnaphthalene	33.3421			ND		0.355
	Octadecane	35.0827			ND		0.236

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6a **Sample Information**

Th Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**11**
QC Batch Number	**sw1040**
Client Sample ID	**41123SGA16ERW**
Date Received	**11-24-04**
Date Prepared	**11-29-04**
Date Analyzed	**11-30-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: sw1040

Sample volume (ml)	**855**	=	0.855 /L	Calc. Fact.	0.001169591
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.169590643
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	601.0193		60.1	**OK**	2	120
x	Phenol - d5	438.6218		43.9	**OK**	1	102
x	Nitrobenzene - d5	1080.395		108	**OK**	34	146
x	2 - Fluorobiphenyl	959.6264		96	**OK**	35	143
x	2,4,6 - Tribromophenol	1038.73		104	**OK**	29	151
x	p - Terphenyl - d14	1077.487		108	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Benzyl Alcohol	49.7732			0.0582	J	0.234
x	Naphthalene	23.1462			0.0271	J	0.0585
x	Diethylphthalate	21.3139			ND		0.234
x	Phenanthrene	7.9196			0.00926	J	0.0234
x	Di-n-butylphthalate	622.1419		149.994	0.728	B1	0.234
x	Butylbenzylphthalate	187.0901			0.219	J	0.351
x	bis(2-Ethylhexyl)phthalate	257.942			ND		1.75
x	Di-n-octylphthalate	29.1747			0.0341	J	0.234
	Octadecane	16.2589			ND		0.234

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6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**SS1285**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**11-30-04**
Sample matrix type	**solid**
QC sample type	**blank**

Related Blank: noblank

Sample weight (g)	**20**	=	0.02 /kg	Calc. Fact.	0.1
Extract volume (ml)	**2**	=	2 ml	Dry Weight	20 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	50
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	438.7312		87.7	**OK**	2	120
x	Phenol - d5	446.8897		89.4	**OK**	1	102
x	Nitrobenzene - d5	393.2363		78.6	**OK**	34	146
x	2 - Fluorobiphenyl	462.5654		92.5	**OK**	35	143
x	2,4,6 - Tribromophenol	428.6023		85.7	**OK**	29	151
x	p - Terphenyl - d14	664.7631		133	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Di-n-butylphthalate	63.8245			6.38	J	10
x	Butylbenzylphthalate	25.3628			2.54	J	20

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**SS1285**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**11-30-04**
Sample matrix type	**solid**
QC sample type	**bs**

Related Blank: SS1285

Sample weight (g)	**20**	=	0.02 /kg	Calc. Fact.	0.1
Extract volume (ml)	**2**	=	2 ml	Dry Weight	20 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	50
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	463.2249		92.6	**OK**	2	120
x	Phenol - d5	503.9519		101	**OK**	1	102
x	Nitrobenzene - d5	462.7056		92.5	**OK**	34	146
x	2 - Fluorobiphenyl	523.1939		105	**OK**	35	143
x	2,4,6 - Tribromophenol	503.9618		101	**OK**	29	151
x	p - Terphenyl - d14	758.0007	N	152	**HIGH**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	761.4085			76.1		5
x	2-Chlorophenol	779.9513			78		5
x	1,4-Dichlorobenzene	505.5059			50.6		5
x	N-nitroso-di-n-propylamine	579.933			58		5
x	1,2,4-Trichlorobenzene	469.6951			47		5
x	4-Chloro-3-methylphenol	632.0033			63.2		5
x	Acenaphthene	583.6101			58.4		2
x	4-Nitrophenol	693.4466			69.3		50
x	2,4-Dinitrotoluene	333.3425			33.3		10
x	Pentachlorophenol	418.3302			41.8		10
x	Di-n-butylphthalate	141.6776		63.8245	14.2	B1	10
x	Fluoranthene	12.9274			1.29	J	2
x	Pyrene	611.2866			61.1		2
x	Butylbenzylphthalate	65.8907		25.3628	6.59	J B1	20

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6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**SS1285**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**11-30-04**
Sample matrix type	**solid**
QC sample type	**bsd**

Related Blank: SS1285

Sample weight (g)	**20**	=	0.02 /kg	Calc. Fact.	0.1
Extract volume (ml)	**2**	=	2 ml	Dry Weight	20 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	50
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	343.6434		68.7	**OK**	2	120
x	Phenol - d5	349.7894		70	**OK**	1	102
x	Nitrobenzene - d5	287.7356		57.5	**OK**	34	146
x	2 - Fluorobiphenyl	367.4277		73.5	**OK**	35	143
x	2,4,6 - Tribromophenol	295.0032		59	**OK**	29	151
x	p - Terphenyl - d14	584.828		117	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	546.1506			54.6		5
x	2-Chlorophenol	491.838			49.2		5
x	1,4-Dichlorobenzene	411.0401			41.1		5
x	N-nitroso-di-n-propylamine	438.4515			43.8		5
x	bis(2-Chloroethoxy)methane	12.3878			ND		10
x	1,2,4-Trichlorobenzene	327.9201			32.8		5
x	4-Chloro-3-methylphenol	445.4118			44.5		5
x	Acenaphthene	445.5159			44.6		2
x	4-Nitrophenol	605.0381			60.5		50
x	2,4-Dinitrotoluene	250.8255			25.1		10
x	Diethylphthalate	5.2024			ND		10
x	Pentachlorophenol	244.9841			24.5		10
x	Di-n-butylphthalate	108.9944		63.8245	10.9	B1	10
x	Pyrene	412.8083			41.3		2
x	Butylbenzylphthalate	33.3638		25.3628	3.34	J B1	20

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6a **Sample Information**

Th Client Name	**URS Corporation**	
Work Order Number	**125059**	
Sample Number	**15**	Related Blank: SS1285
QC Batch Number	**SS1285**	
Client Sample ID	**041122SGA17SS**	
Date Received	**11-24-04**	
Date Prepared	**11-30-04**	
Date Analyzed	**12-07-04**	
Sample matrix type	**solid**	
QC sample type	**ms**	

Sample weight (g)	**20.8759**	=	0.02088 /kg	Calc. Fact.	1.111934224
Extract volume (ml)	**2**	=	2 ml	Dry Weight	17.98667544 g
Dilution Factor	**10**	=	10	Sample Units	ug/kg
% Solids	**86.16**	=	0.8616	Spike Factor	55.59671121
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	10
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	38.0725		76.1	**OK**	2	120
x	Phenol - d5	45.8959		91.8	**OK**	1	102
x	Nitrobenzene - d5	46.1804		92.4	**OK**	34	146
x	2 - Fluorobiphenyl	44.467		88.9	**OK**	35	143
x	2,4,6 - Tribromophenol	64.24		128	**OK**	29	151
x	p - Terphenyl - d14	32		64	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	72.2756			80.4		55.6
x	2-Chlorophenol	51.5828			57.4		55.6
x	1,4-Dichlorobenzene	28.4703			31.7	J	55.6
x	2-Methylphenol	24.67			27.4	J	55.6
x	3-&4-Methylphenol	57.9176			64.4		55.6
x	N-nitroso-di-n-propylamine	76.2965			84.8		55.6
x	2,4-Dimethylphenol	32.1347			35.7		22.2
x	1,2,4-Trichlorobenzene	25.7175			28.6	J	55.6
x	Naphthalene	1489.584			1660		22.2
x	4-Chloro-3-methylphenol	96.8033			108		55.6
x	2-Methylnaphthalene	471.3573			524		22.2
x	Acenaphthylene	82.3892			91.6		22.2
x	Acenaphthene	2390.334			2660		22.2
x	Dibenzofuran	1296.644			1440		55.6
x	Fluorene	2562.317			2850		22.2
x	Phenanthrene	22078.42			24500		22.2
x	Anthracene	7389.032			8220		22.2
x	Fluoranthene	24793.81			27600		22.2
x	Pyrene	24254.04			27000		22.2
x	Benzo(a)anthracene	17891.07			19900		22.2

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x	Chrysene	18438.93	20500	22.2
x	bis(2-Ethylhexyl)phthalate	2100.666	2340	222
x	Benzofluoranthenes	19978.12	22200	44.5
x	Benzo(a)pyrene	11679.31	13000	22.2
x	Indeno(1,2,3-cd)pyrene	5798.179	6450	22.2
x	Dibenz(a,h)anthracene	2756.118	3060	22.2
x	Benzo(g,h,i)perylene	5751.02	6390	22.2
x	Carbazole	5612.096	6240	111
	Biphenyl	117.9564	131	111
	1-Methylnaphthalene	282.9569	315	22.2

STL Seattle

6a **Sample Information**

Th Client Name	**URS Corporation**
Work Order Number	**125059**
Sample Number	**15**
QC Batch Number	**SS1285**
Client Sample ID	**041122SGA17SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-07-04**
Sample matrix type	**solid**
QC sample type	**msd**

Related Blank: SS1285

Sample weight (g)	**20.8007**	=	0.0208 /kg	Calc. Fact.	1.115954159
Extract volume (ml)	**2**	=	2 ml	Dry Weight	17.92188312 g
Dilution Factor	**10**	=	10	Sample Units	ug/kg
% Solids	**86.16**	=	0.8616	Spike Factor	55.79770794
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	10
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	2 - Fluorophenol	38.953		77.9	OK	2	120
x	Phenol - d5	42.4873		85	OK	1	102
x	Nitrobenzene - d5	31.3011		62.6	OK	34	146
x	2 - Fluorobiphenyl	37.7915		75.6	OK	35	143
x	2,4,6 - Tribromophenol	140.5	X9	281	HIGH	29	151
x	p - Terphenyl - d14	44.0118		88	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	66.2865			74		55.8
x	2-Chlorophenol	54.0052			60.3		55.8
x	1,4-Dichlorobenzene	24.7923			27.7	J	55.8
x	2-Methylphenol	20.6358			23	J	55.8
x	3-&4-Methylphenol	32.7982			36.6	J	55.8
x	N-nitroso-di-n-propylamine	62.729			70		55.8
x	2,4-Dimethylphenol	18.4447			20.6	J	22.3
x	1,2,4-Trichlorobenzene	24.8779			27.8	J	55.8
x	2-Methylnaphthalene	22.5049			25.1		22.3
x	Acenaphthylene	64.5856			72.1		22.3
x	Acenaphthene	280.4123			313		22.3
x	Dibenzofuran	65.3676			72.9		55.8
x	Fluorene	252.97			282		22.3
x	Phenanthrene	3938.27			4390		22.3
x	Anthracene	741.5473			828		22.3
x	Di-n-butylphthalate	100.6471		63.8245	112	B1	112
x	Fluoranthene	10432.24			11600		22.3
x	Pyrene	11529.59			12900		22.3
x	Butylbenzylphthalate	81.4385		25.3628	90.9	J B1	223
x	Benzo(a)anthracene	5743.351			6410		22.3

00847

TRIBUTYLTIN DATA PACKAGE

00848

SAMPLE DATA

00849

Quantitation Report (QT Reviewed)

Data File : T:\DATA\1222004\L14451.D Vial: 0
Acq On : 01 Dec 2004 22:08 Operator:
Sample : 125060-3 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 10:58:47 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.85	188	109395+	100.00	pg/ul	-0.03
System Monitoring Compounds						
2) Tripentyltin (S)	10.98	347	72200+	60.50	PG/UL	-0.06
Target Compounds						Qvalue
5) Dibutyltin	10.68	347	6668+	2.69	PG/UL	70

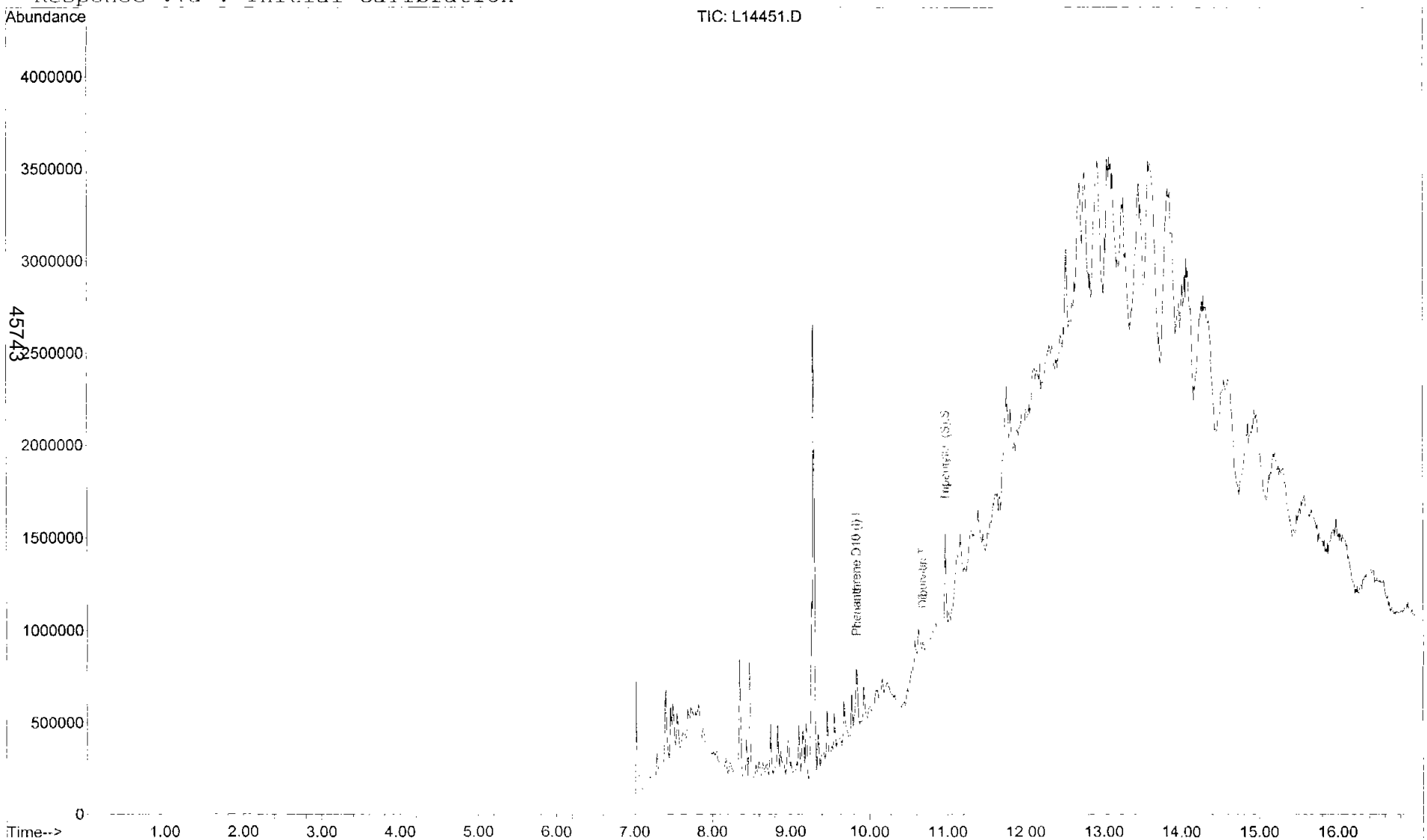
(#) = qualifier out of range (m) = manual integration (+) = signals summed
L14451.D ORGTIN112404.M Thu Dec 02 11:00:39 2004 Page 1

00850

Quantitation Report (QT Reviewed)

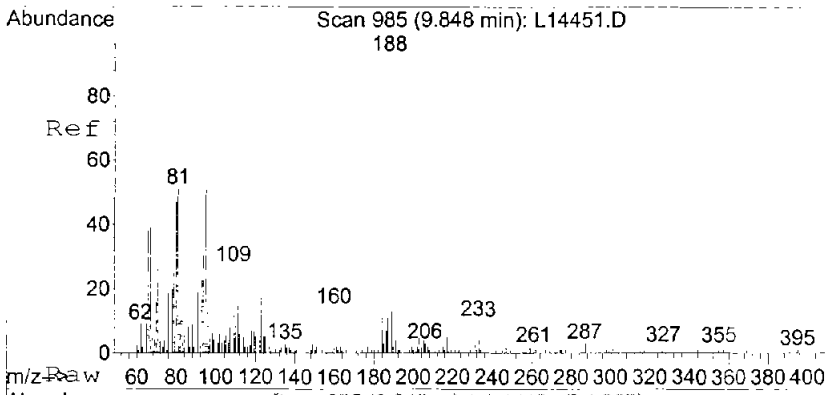
Data File : T:\DATA\1222004\L14451.D Vial: 0
Acq On : 01 Dec 2004 22:08 Operator:
Sample : 125060-3 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 2 10:59 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration



45743

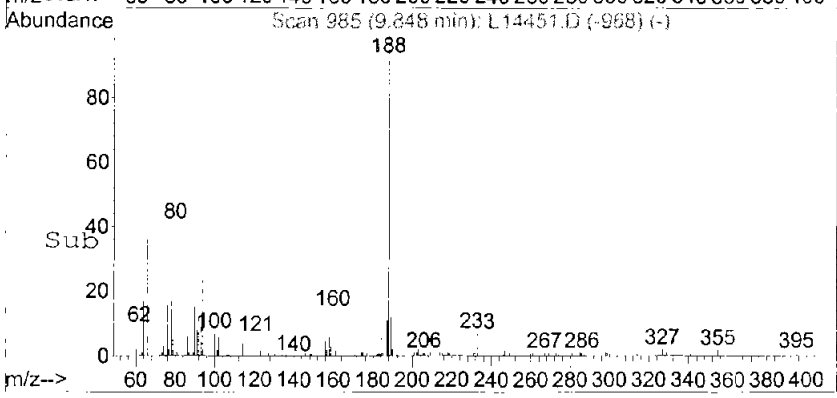
00851

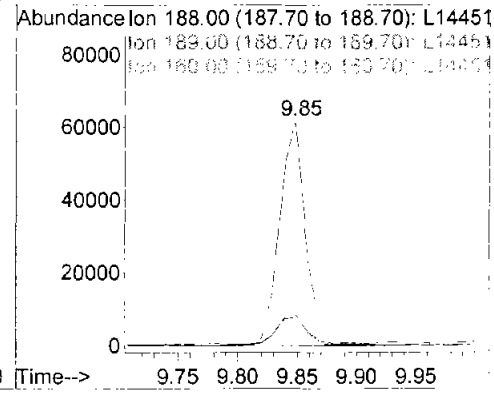


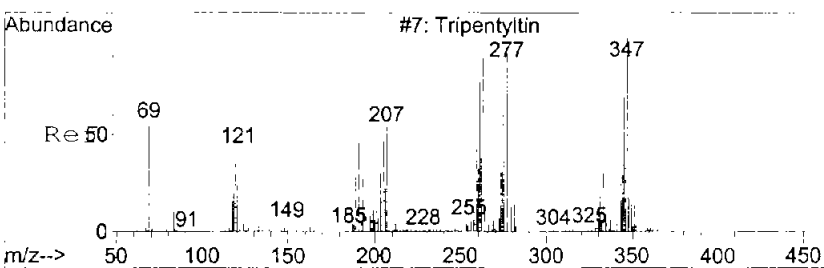
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.85 min Scan# 985
Delta R.T. -0.03 min
Lab File: L14451.D
Acq: 01 Dec 2004 22:08

Tgt Ion:188 Resp: 109395

Ion	Ratio	Lower	Upper
188	100		
189	16.1	19.6	45.8#
160	14.2	10.9	25.3



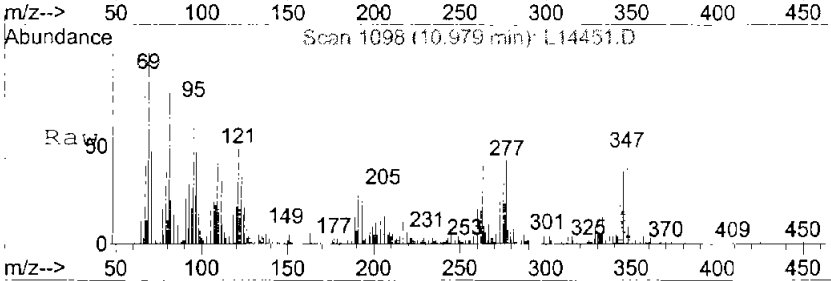


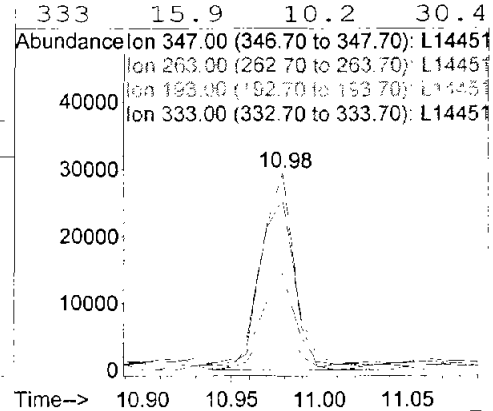


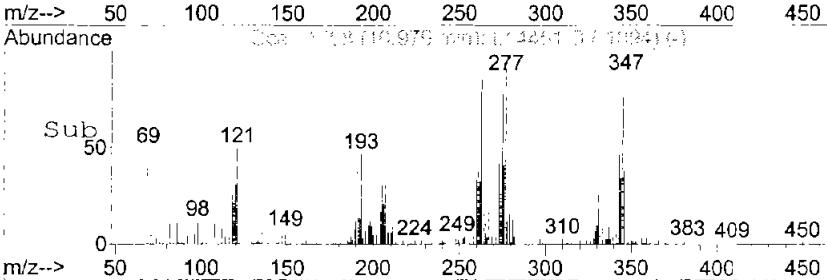
#2
Tripentyltin (S)
Concen: 60.50 PG/UL
RT: 10.98 min Scan# 1098
Delta R.T. -0.06 min
Lab File: L14451.D
Acq: 01 Dec 2004 22:08

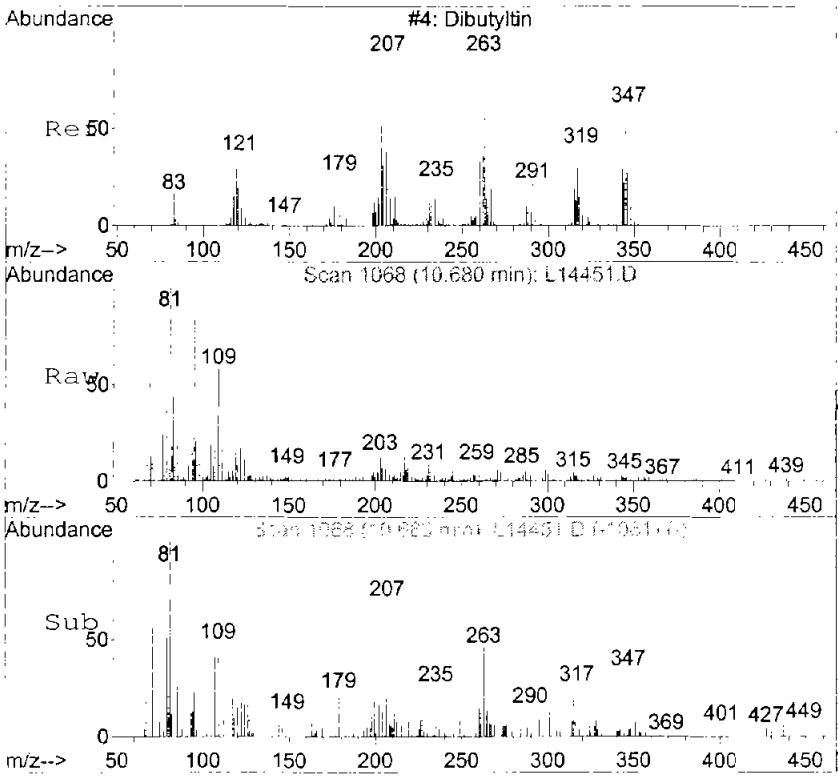
Tgt Ion:347 Resp: 72200

Ion	Ratio	Lower	Upper
347	100		
263	47.2	18.6	74.4
193	25.1	17.0	51.0
333	15.9	10.2	30.4





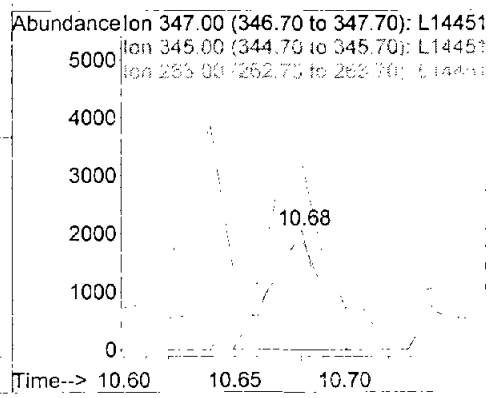




#5
Dibutyltin
Concen: 2.69 PG/UL
RT: 10.68 min Scan# 1068
Delta R.T. -0.03 min
Lab File: L14451.D
Acq: 01 Dec 2004 22:08

Tgt Ion:347 Resp: 6668

Ion	Ratio	Lower	Upper
347	100		
345	75.9	26.0	48.4#
263	50.1	38.1	70.9



Quantitation Report (QT Reviewed)

Data File : T:\DATA\1222004\L14452.D Vial: 0
Acq On : 01 Dec 2004 22:32 Operator:
Sample : 125060-4 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 10:59:29 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration
DataAcq Meth :

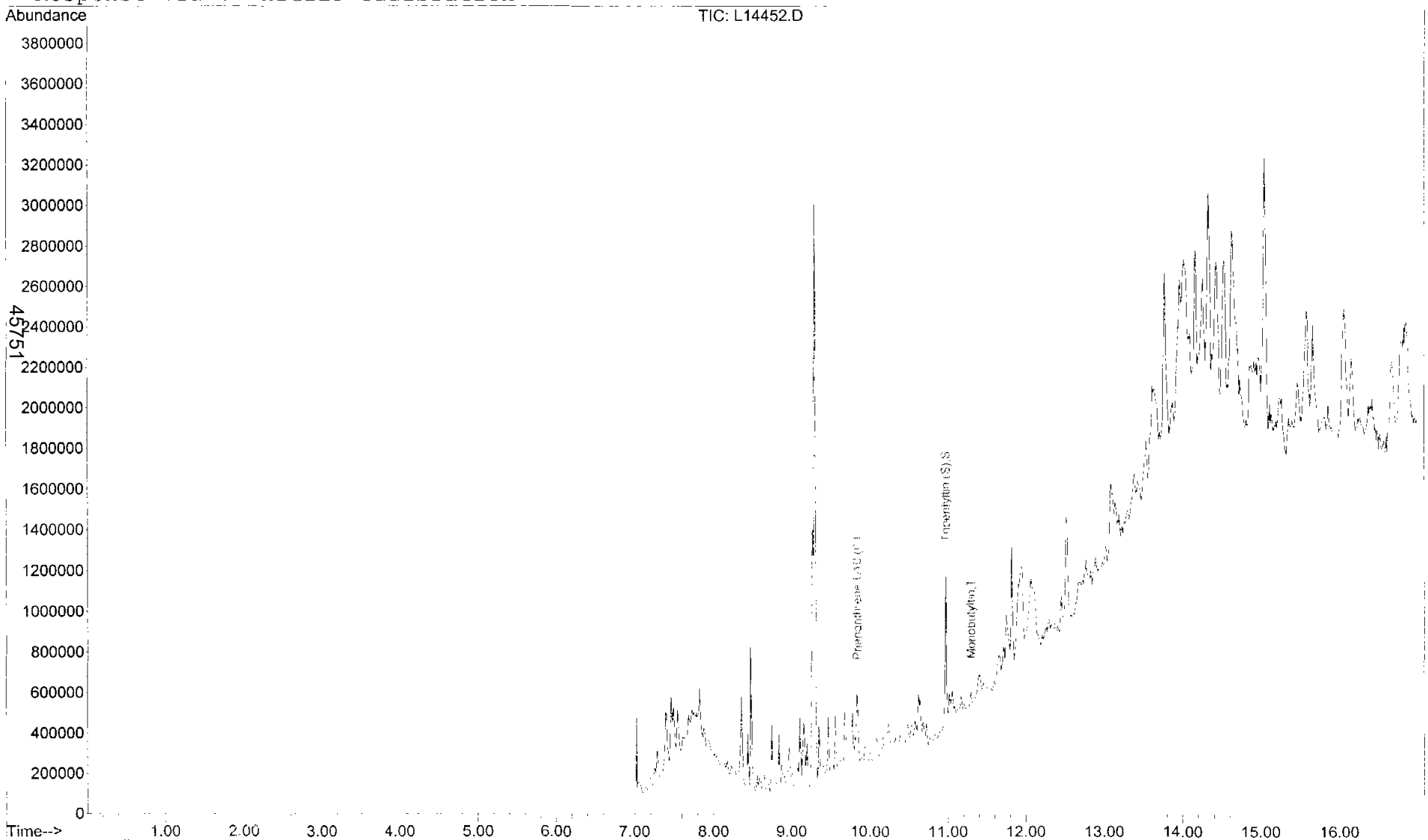
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.84	188	105195+	100.00	pg/ul	-0.04
System Monitoring Compounds						
2) Tripentyltin (S)	10.98	347	100321+	87.42	PG/UL	-0.06
Target Compounds						Qvalue
6) Monobutyltin	11.30	291	6697+	2.48	PG/UL	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed
L14452.D ORGTIN112404.M Thu Dec 02 11:00:43 2004 Page 1

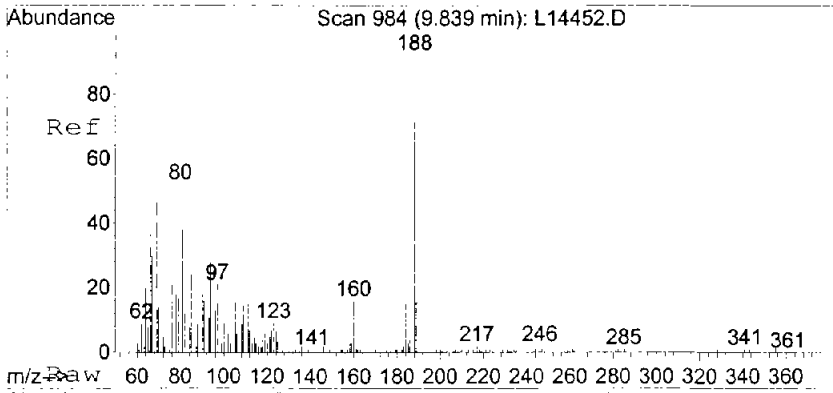
Quantitation Report (QT Reviewed)

Data File : T:\DATA\1222004\L14452.D Vial: 0
Acq On : 01 Dec 2004 22:32 Operator:
Sample : 125060-4 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 2 10:59 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration



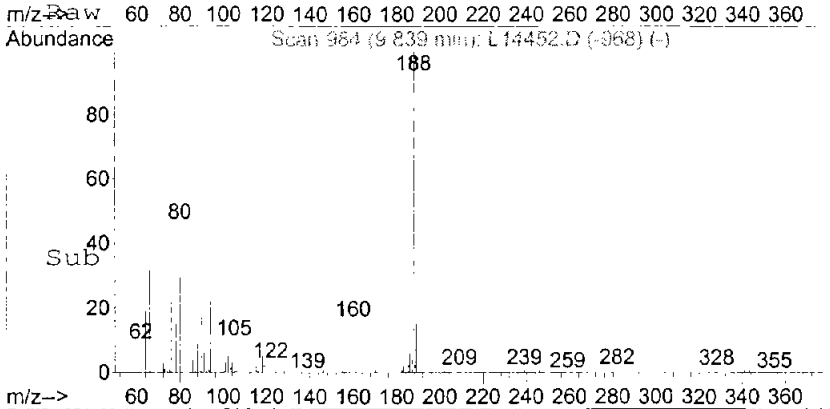
45751
55800

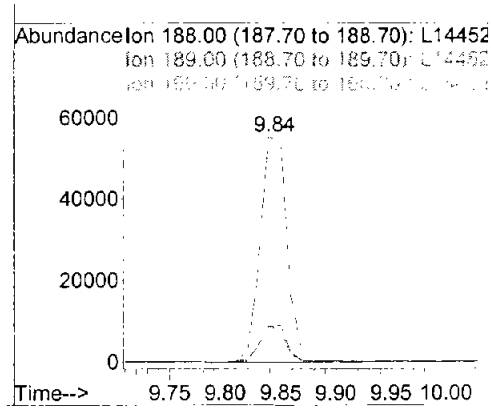


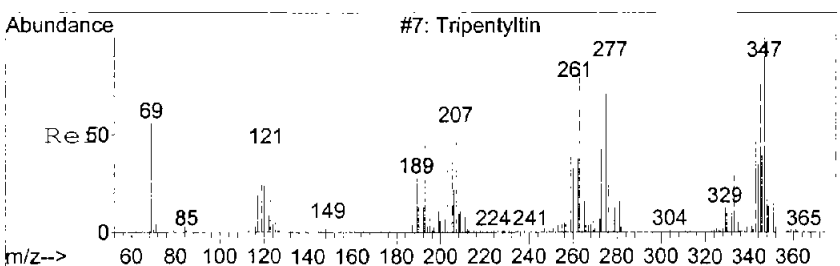
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.84 min Scan# 984
Delta R.T. -0.04 min
Lab File: L14452.D
Acq: 01 Dec 2004 22:32

Tgt Ion:188 Resp: 105195

Ion	Ratio	Lower	Upper
188	100		
189	13.8	19.6	45.8#
160	13.9	10.9	25.3



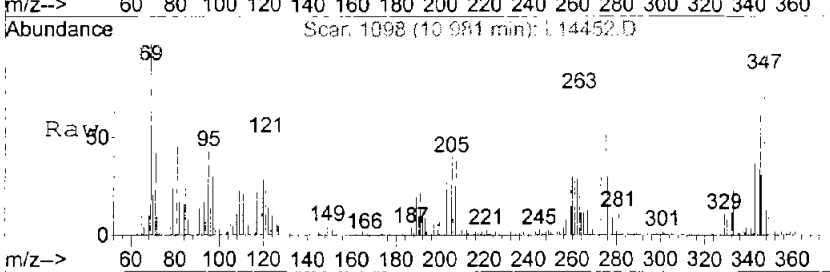


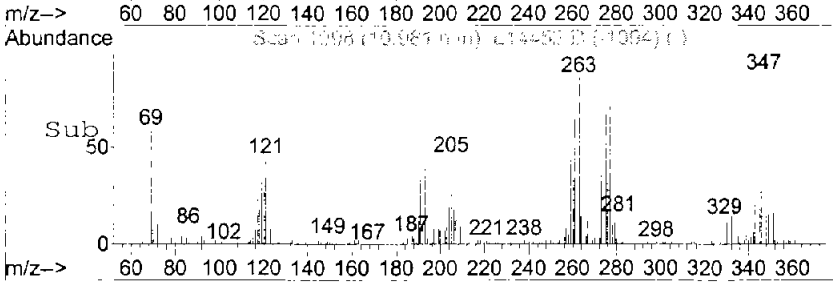


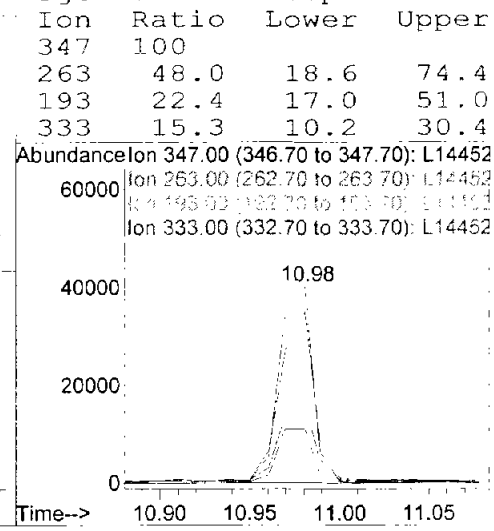
#2
Tripentyltin (S)
Concen: 87.42 PG/UL
RT: 10.98 min Scan# 1098
Delta R.T. -0.06 min
Lab File: L14452.D
Acq: 01 Dec 2004 22:32

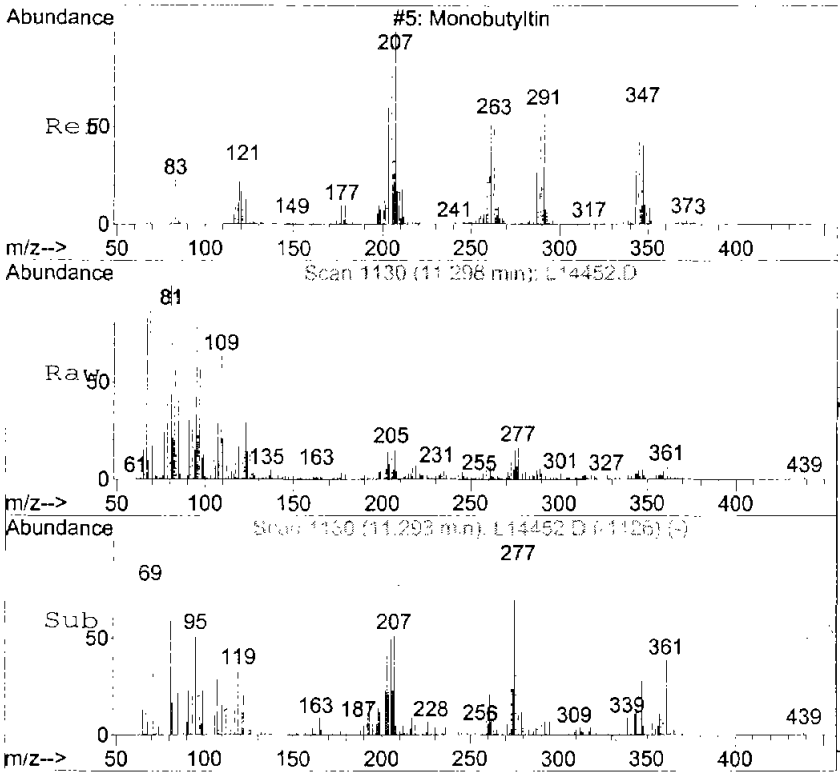
Tgt Ion:347 Resp: 100321

Ion	Ratio	Lower	Upper
347	100		
263	48.0	18.6	74.4
193	22.4	17.0	51.0
333	15.3	10.2	30.4





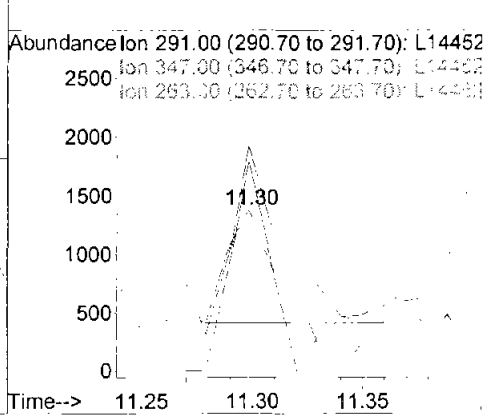




#6
Monobutyltin
Concen: 2.48 PG/UL
RT: 11.30 min Scan# 1130
Delta R.T. -0.06 min
Lab File: L14452.D
Acq: 01 Dec 2004 22:32

Tgt Ion:291 Resp: 6697

Ion	Ratio	Lower	Upper
291	100		
347	37.5	14.1	56.5
263	40.0	12.2	49.0



Quantitation Report (QT Reviewed)

Data File : T:\DATA\122004\L14453.D Vial: 0
Acq On : 01 Dec 2004 22:56 Operator:
Sample : 125060-6 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 11:00:00 2004 Quant Results File: ORGTIN112404.RES

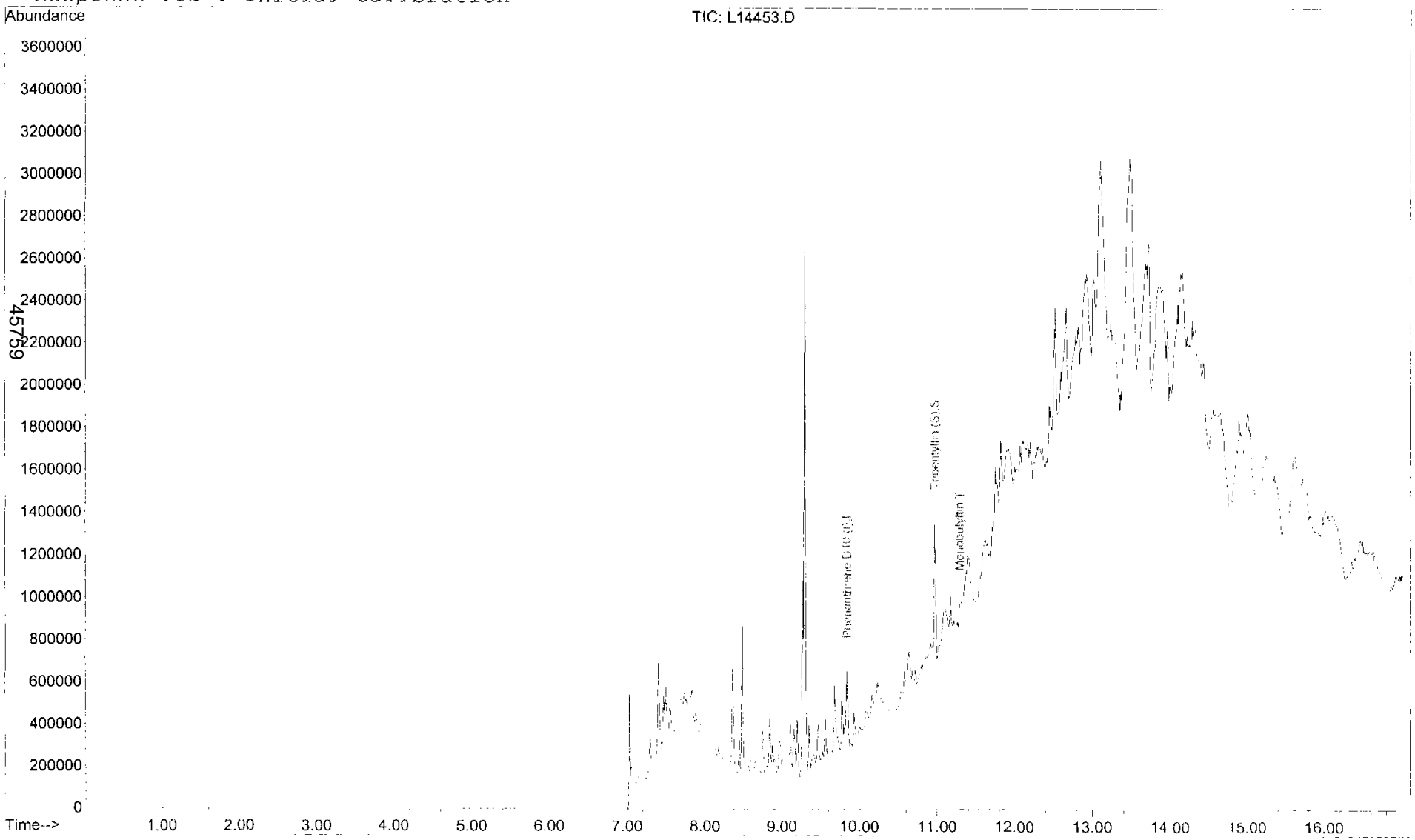
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration
DataAcq Meth :

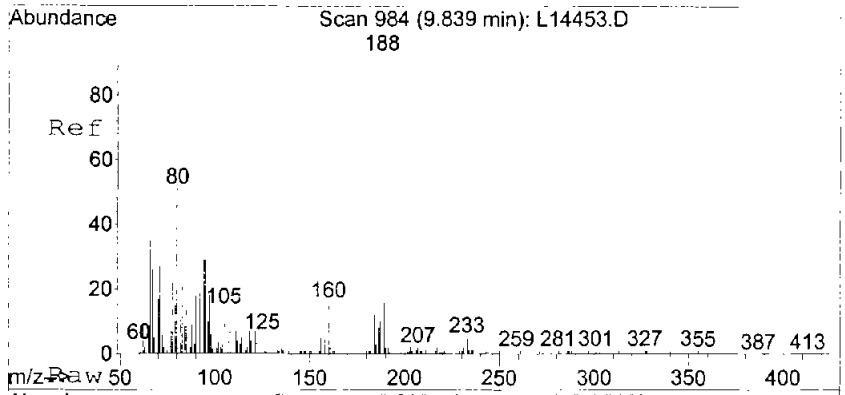
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Phenanthrene D10 (I)	9.84	188	104509+	100.00 pg/ul	-0.04
System Monitoring Compounds					
2) Tripentyltin (S)	10.97	347	90905+	79.74 PG/UL	-0.07
Target Compounds					Qvalue
6) Monobutyltin	11.29	291	15628+	5.83 PG/UL	92

Quantitation Report (QT Reviewed)

Data File : T:\DATA\1222004\L14453.D Vial: 0
Acq On : 01 Dec 2004 22:56 Operator:
Sample : 125060-6 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 2 11:00 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration

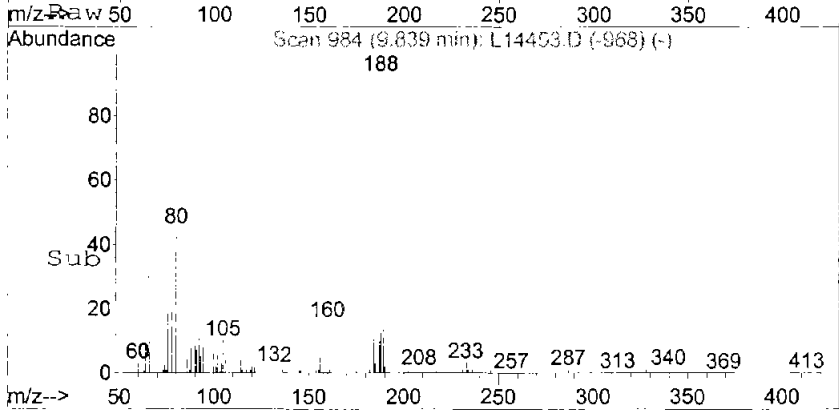


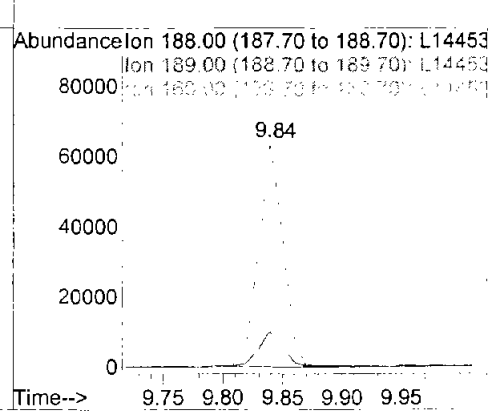


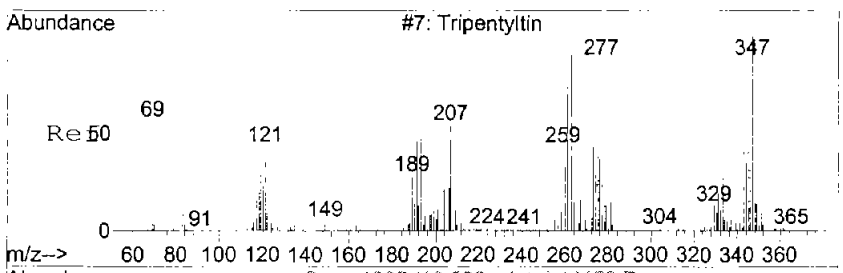
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.84 min Scan# 984
Delta R.T. -0.04 min
Lab File: L14453.D
Acq: 01 Dec 2004 22:56

Tgt Ion:188 Resp: 104509

Ion	Ratio	Lower	Upper
188	100		
189	17.6	19.6	45.8#
160	14.4	10.9	25.3



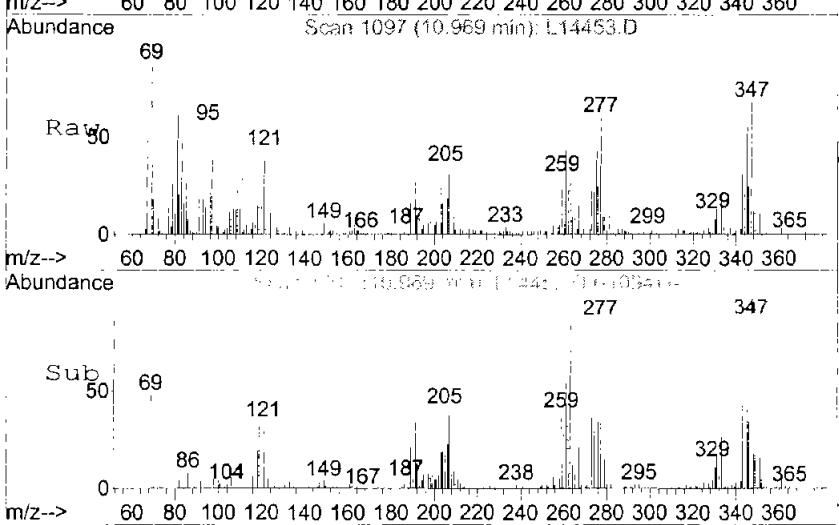


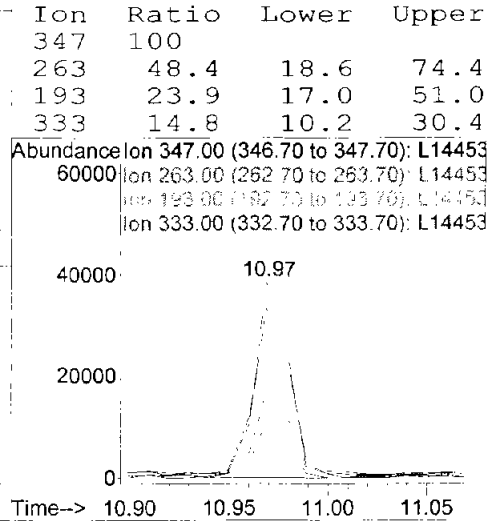


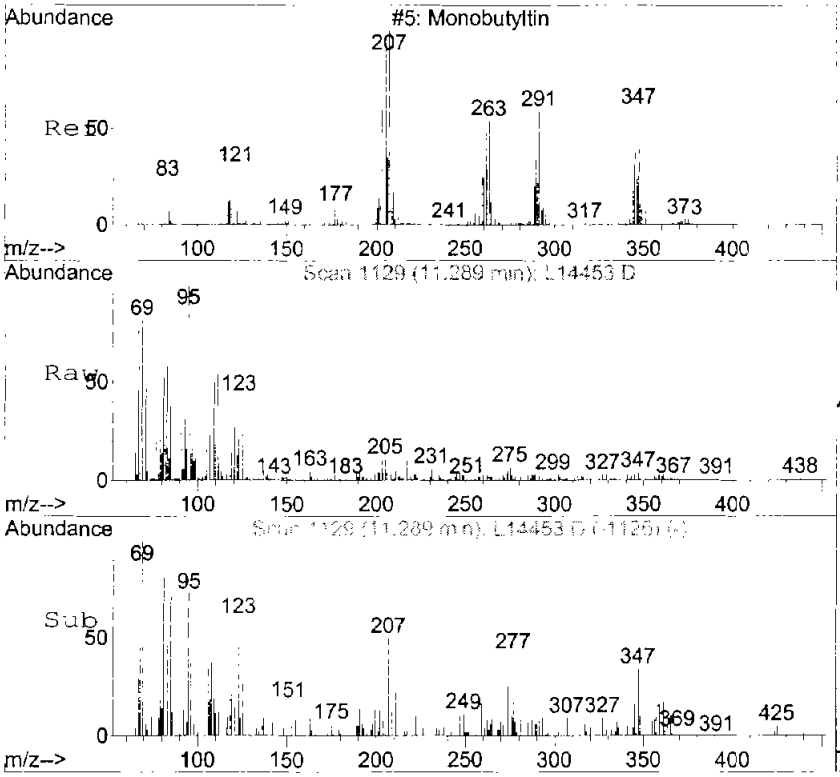
#2
Tripentyltin (S)
Concen: 79.74 PG/UL
RT: 10.97 min Scan# 1097
Delta R.T. -0.07 min
Lab File: L14453.D
Acq: 01 Dec 2004 22:56

Tgt Ion:347 Resp: 90905

Ion	Ratio	Lower	Upper
347	100		
263	48.4	18.6	74.4
193	23.9	17.0	51.0
333	14.8	10.2	30.4



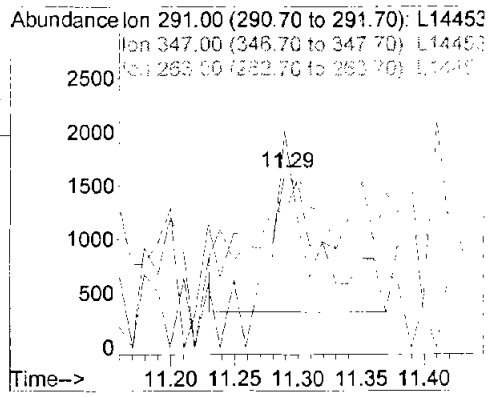




#6
Monobutyltin
Concen: 5.83 PG/UL
RT: 11.29 min Scan# 1129
Delta R.T. -0.07 min
Lab File: L14453.D
Acq: 01 Dec 2004 22:56

Tgt Ion:291 Resp: 15628

Ion	Ratio	Lower	Upper
291	100		
347	39.7	14.1	56.5
263	25.5	12.2	49.0



Quantitation Report (QT Reviewed)

Data File : T:\DATA\122004\L14458.D Vial: 0
Acq On : 02 Dec 2004 0:58 Operator:
Sample : 125060-11 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 11:29:30 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.85	188	114903+	100.00	pg/ul	-0.03
System Monitoring Compounds						
2) Tripentyltin (S)	10.98	347	85677+	68.35	PG/UL	-0.06
Target Compounds						Qvalue
6) Monobutyltin	11.31	291	7515+	2.55	PG/UL	95

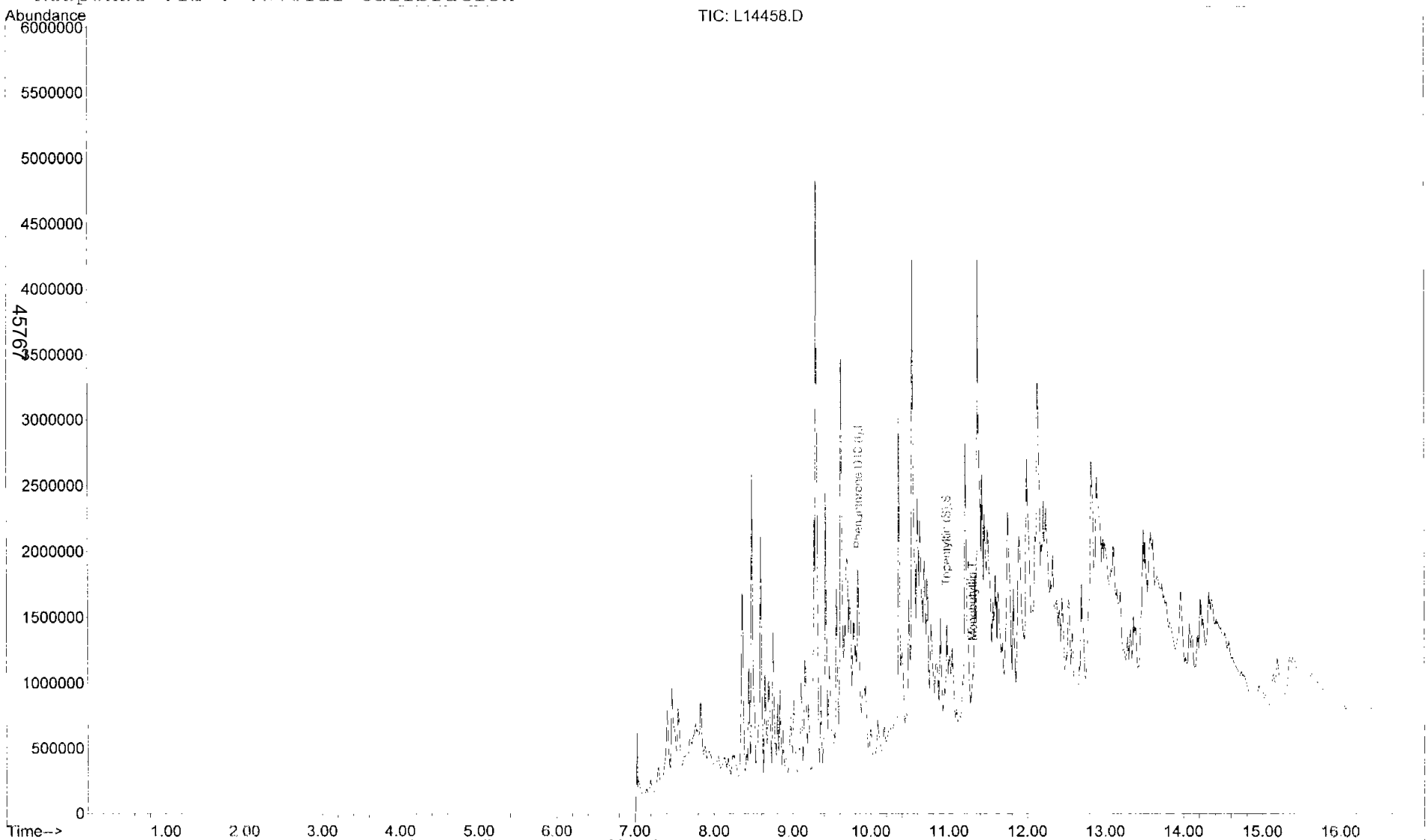
(#) = qualifier out of range (m) = manual integration (+) = signals summed

45765
00862

Quantitation Report (QT Reviewed)

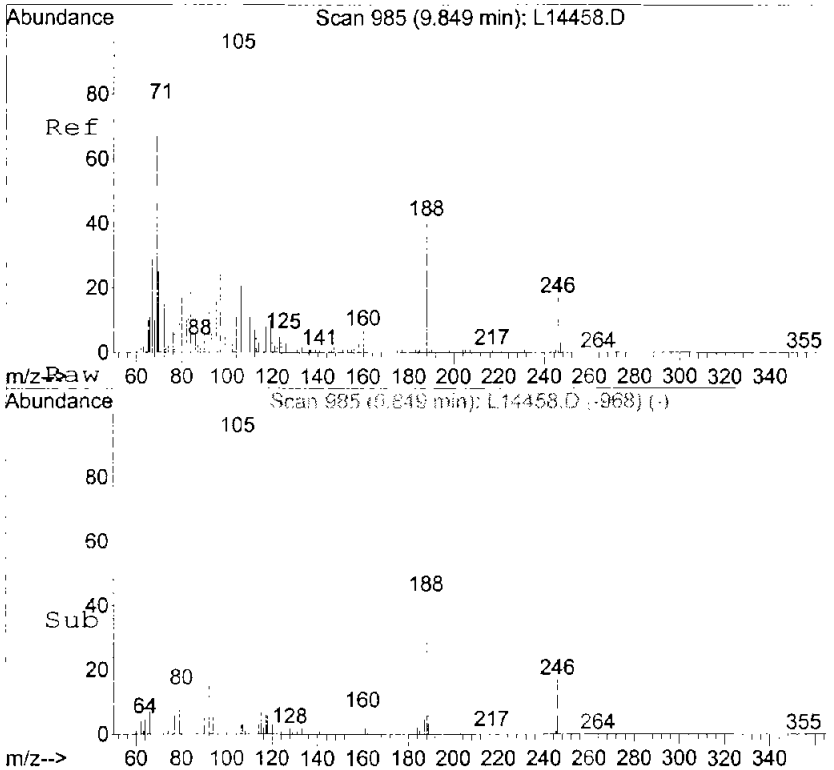
Data File : T:\DATA\122004\L14458.D Vial: 0
Acq On : 02 Dec 2004 0:58 Operator:
Sample : 125060-11 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 2 11:29 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration



45767

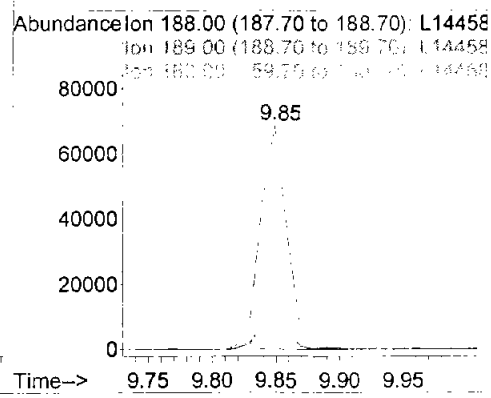
00800

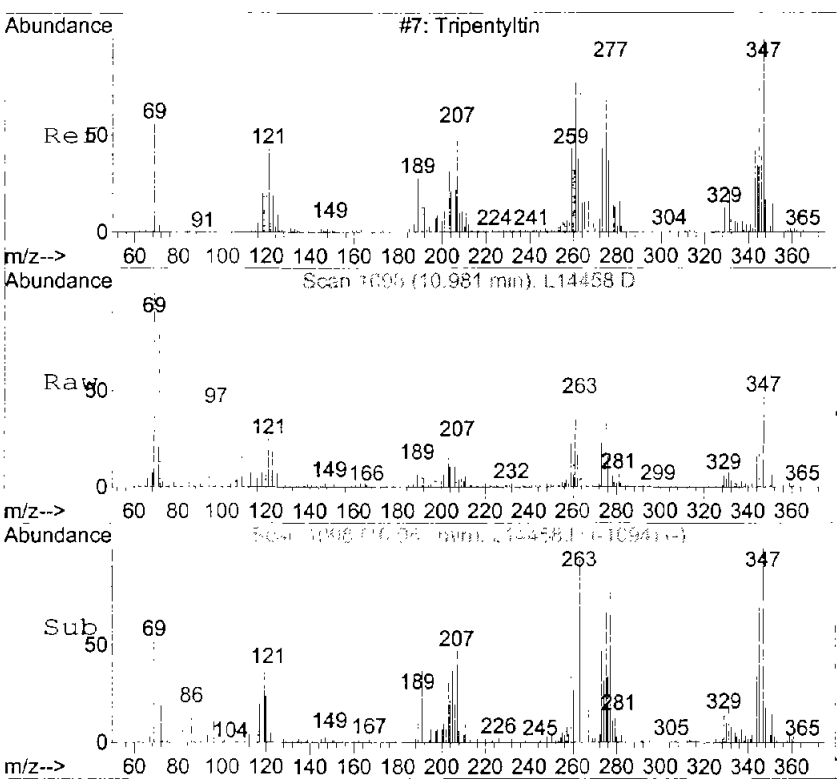


#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.85 min Scan# 985
Delta R.T. -0.03 min
Lab File: L14458.D
Acq: 02 Dec 2004 0:58

Tgt Ion:188 Resp: 114903

Ion	Ratio	Lower	Upper
188	100		
189	14.1	19.6	45.8#
160	14.8	10.9	25.3

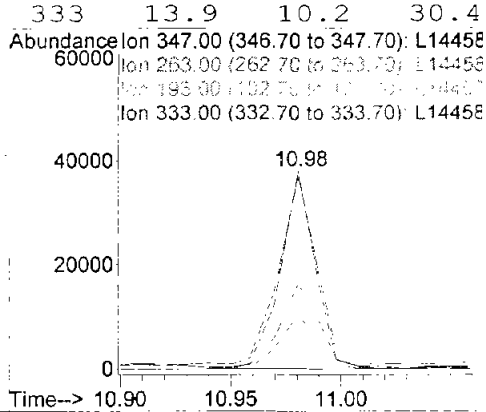


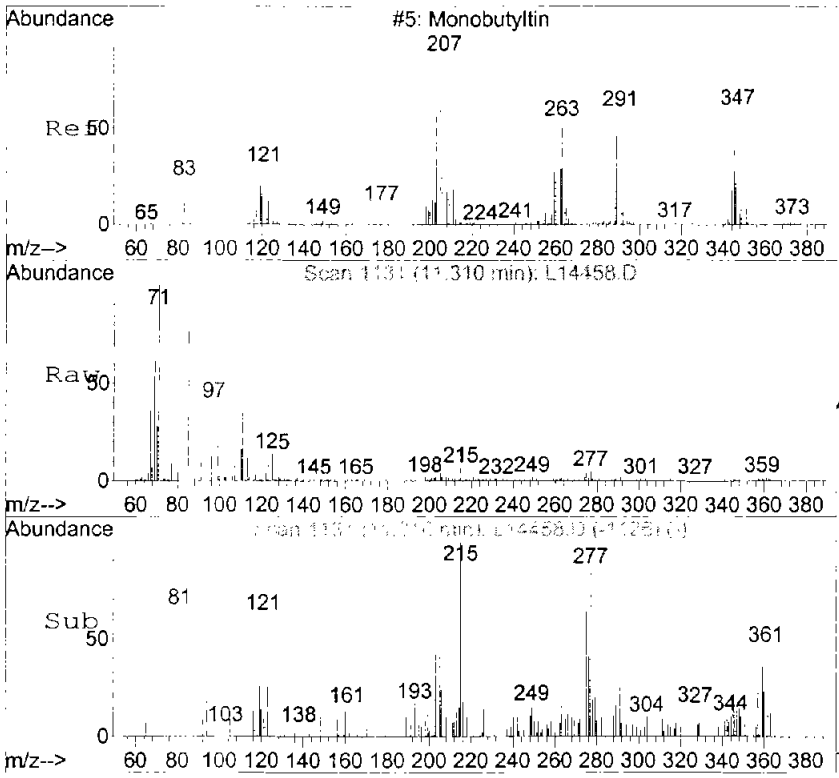


#2
Tripentyltin (S)
Concen: 68.35 PG/UL
RT: 10.98 min Scan# 1098
Delta R.T. -0.06 min
Lab File: L14458.D
Acq: 02 Dec 2004 0:58

Tgt Ion:347 Resp: 85677

Ion	Ratio	Lower	Upper
347	100		
263	50.9	18.6	74.4
193	24.6	17.0	51.0
333	13.9	10.2	30.4

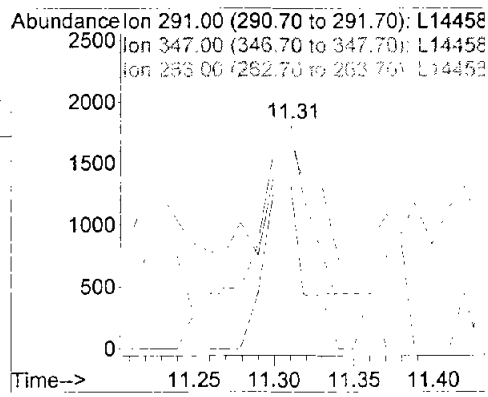




#6
Monobutyltin
Concen: 2.55 PG/UL
RT: 11.31 min Scan# 1131
Delta R.T. -0.05 min
Lab File: L14458.D
Acq: 02 Dec 2004 0:58

Tgt Ion:291 Resp: 7515

Ion	Ratio	Lower	Upper
291	100		
347	31.4	14.1	56.5
263	32.6	12.2	49.0



00865

INITIAL CALIBRATION

00866

Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14392.D Vial: 0
Acq On : 24 Nov 2004 11:53 Operator:
Sample : 200 PG/UL ORGTIN ICAL 979-33-3A Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58:23 2004 Quant Results File: ORGTIN112404.RES

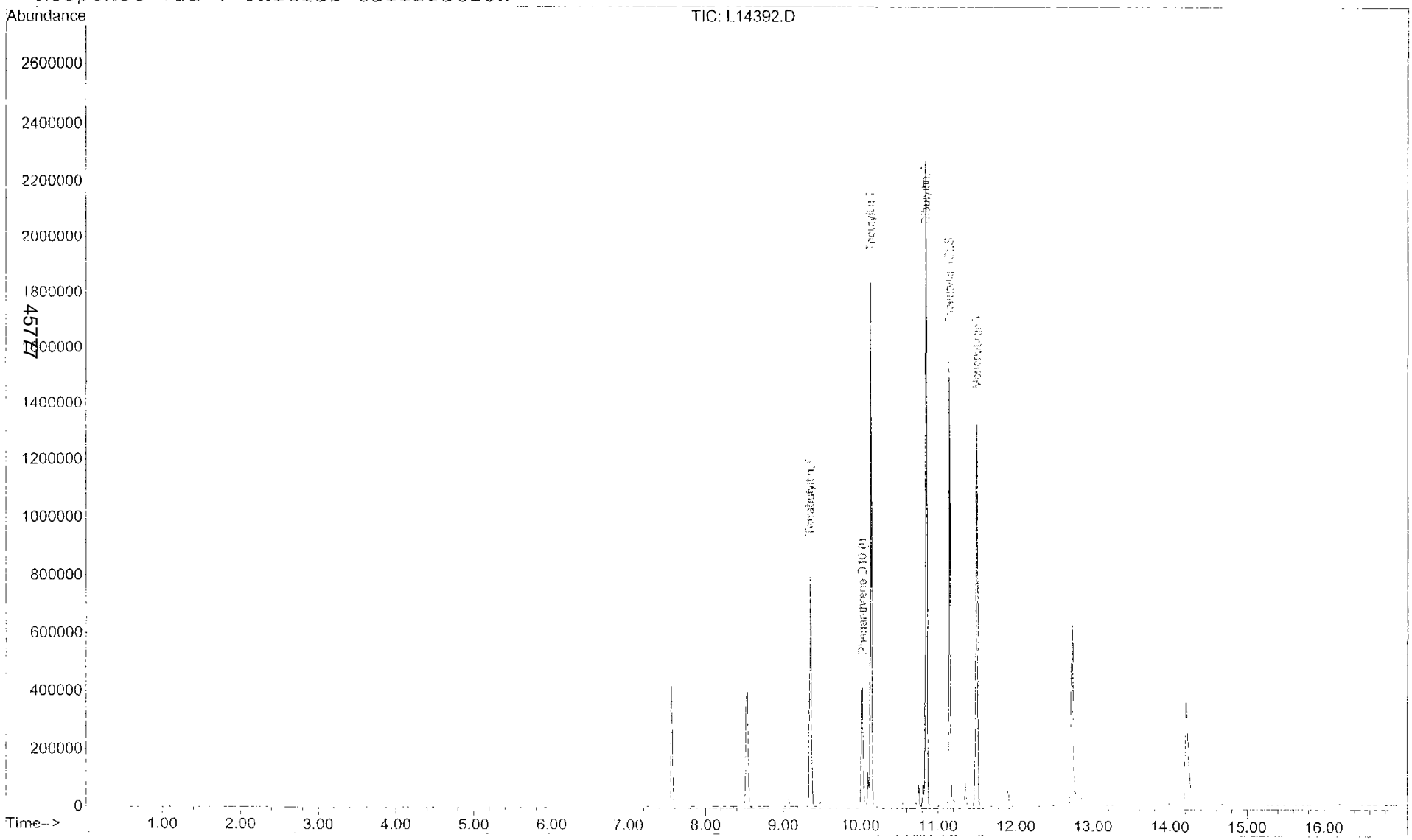
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:58:19 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	127423+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	209953+	159.00	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	226578+	200.00	PG/UL	98
4) Tributyltin	10.14	319	308607+	146.60	PG/UL	96
5) Dibutyltin	10.85	347	283567+	115.40	PG/UL	89
6) Monobutyltin	11.50	291	239816+	81.40	PG/UL	95

Quantitation Report (Not Reviewed)

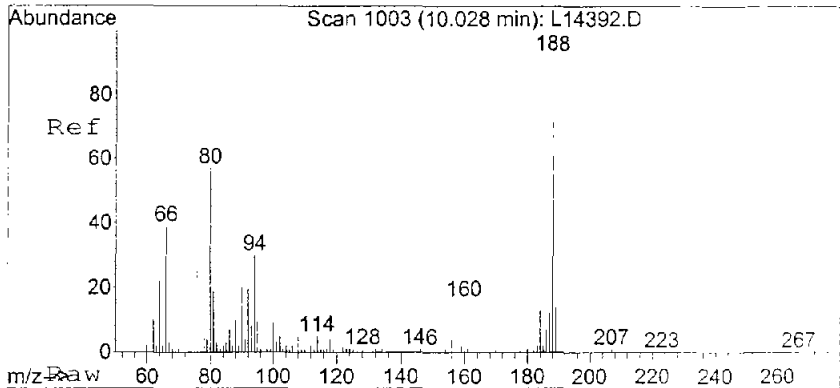
Data File : T:\DATA\11292004\L14392.D Vial: 0
Acq On : 24 Nov 2004 11:53 Operator:
Sample : 200 PG/UL ORGTIN ICAL 979-33-3A Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



45777

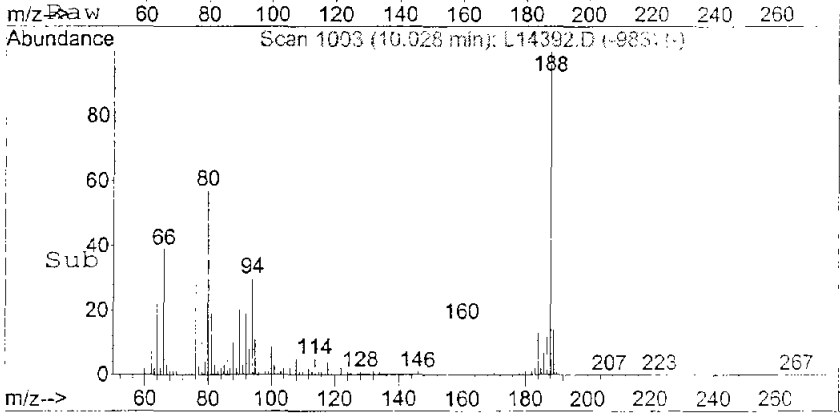
89800

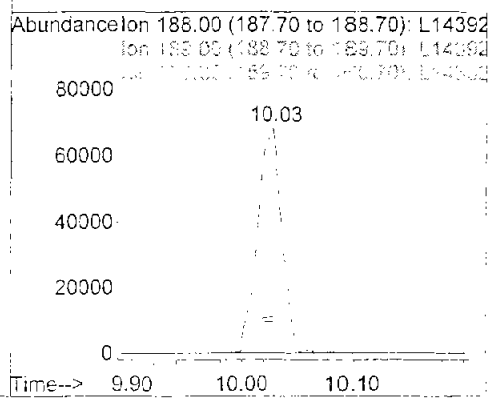


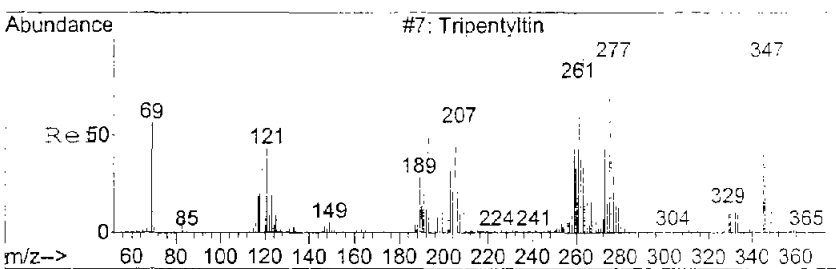
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:188 Resp: 127423

Ion	Ratio	Lower	Upper
188	100		
189	12.6	7.3	16.9
160	15.0	8.5	19.7



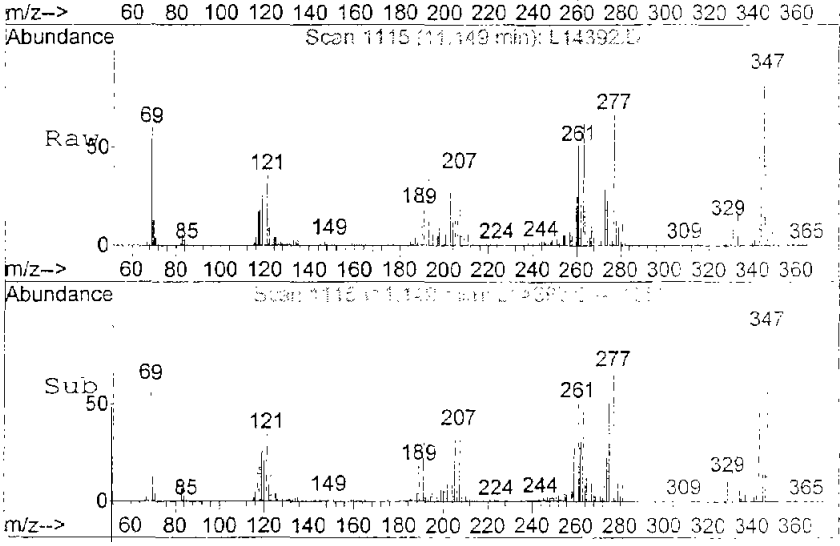


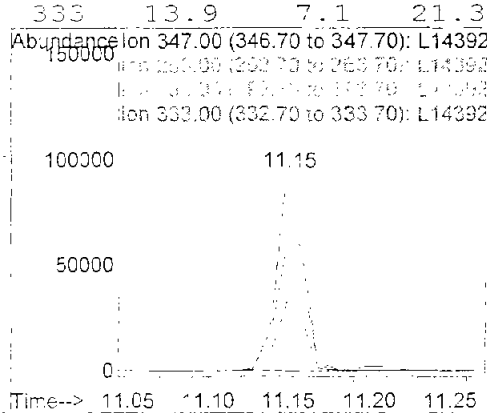


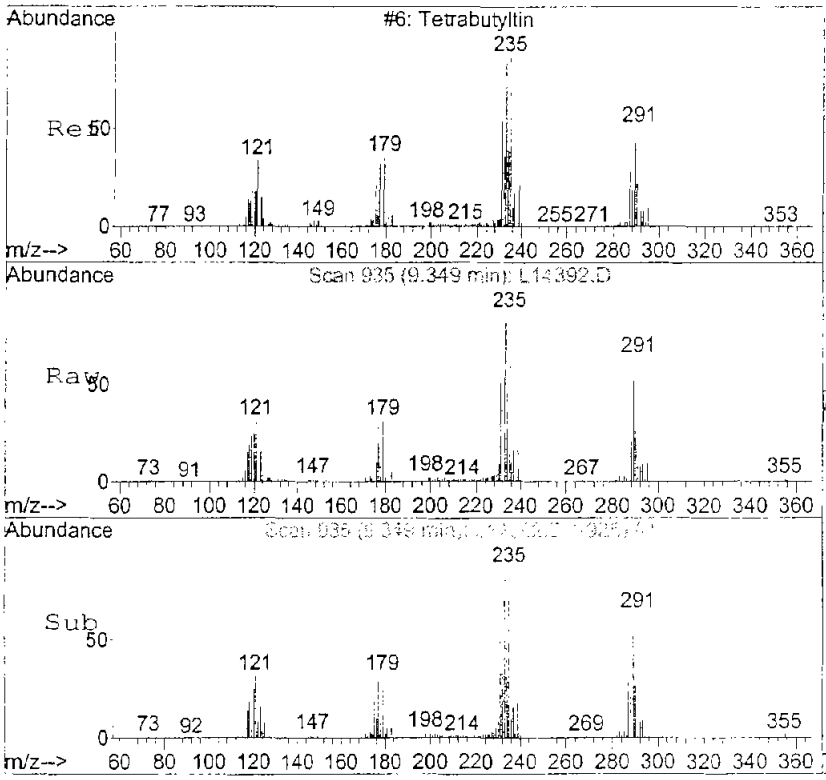
#2
Tripentyltin (S)
Concen: 159.00 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:347 Resp: 209953

Ion	Ratio	Lower	Upper
347	100		
263	35.9	13.2	52.8
193	19.6	9.3	27.7
333	13.9	7.1	21.3



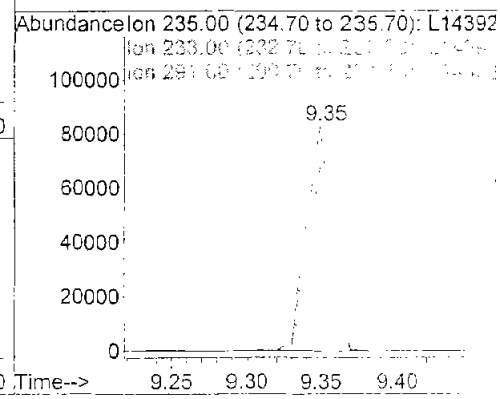


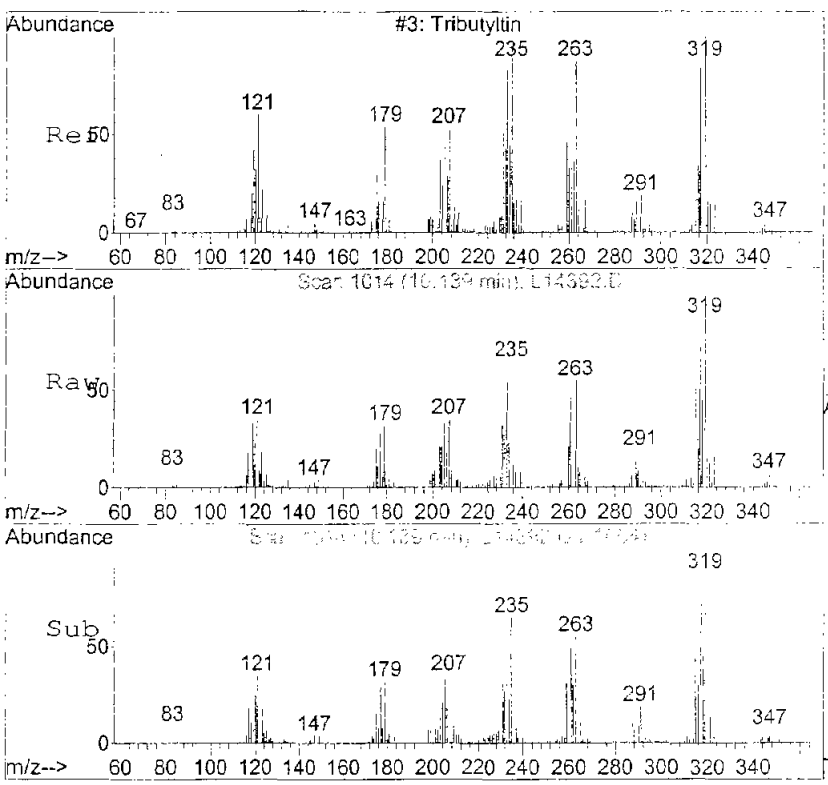


#3
Tetrabutyltin
Concen: 200.00 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:235 Resp: 226578

Ion	Ratio	Lower	Upper
235	100		
233	33.9	23.4	43.4
291	24.8	18.2	33.8

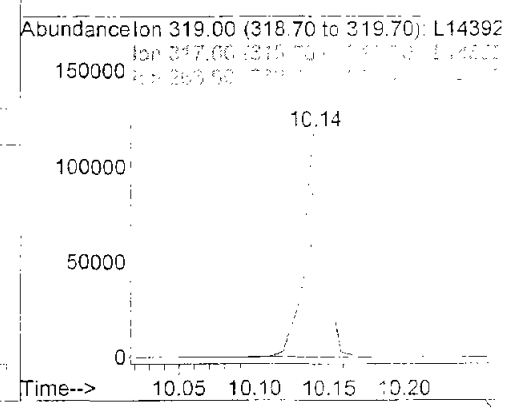


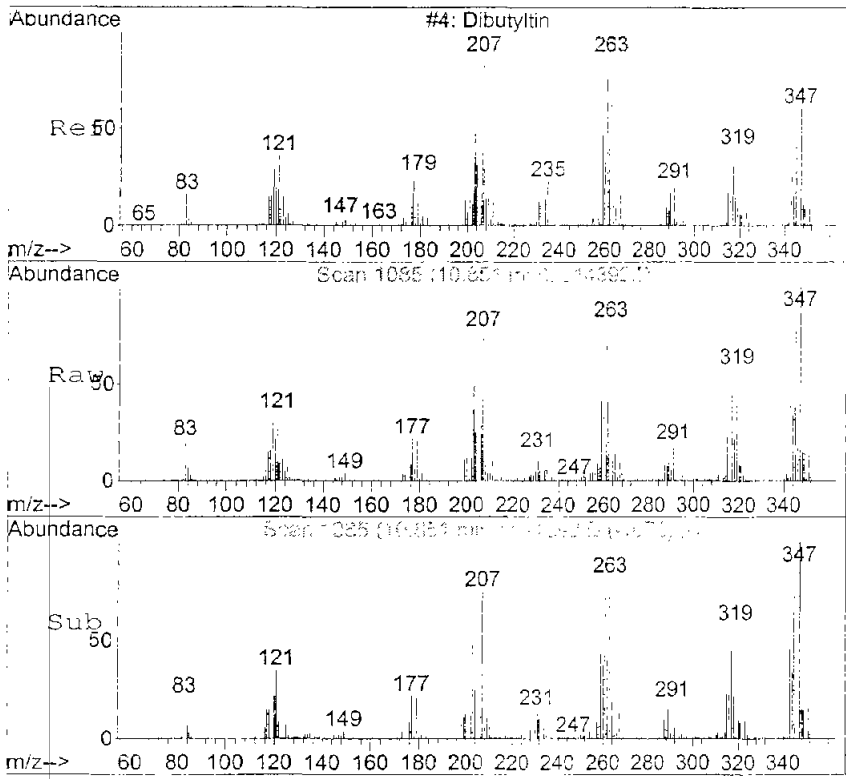


#4
Tributyltin
Concen: 146.60 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:319 Resp: 308607

Ion	Ratio	Lower	Upper
319	100		
317	31.7	22.9	42.5
263	27.7	16.7	31.1

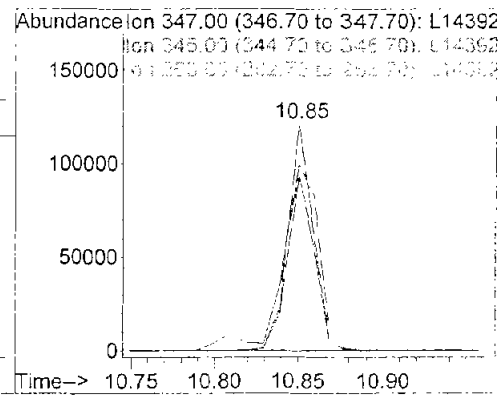


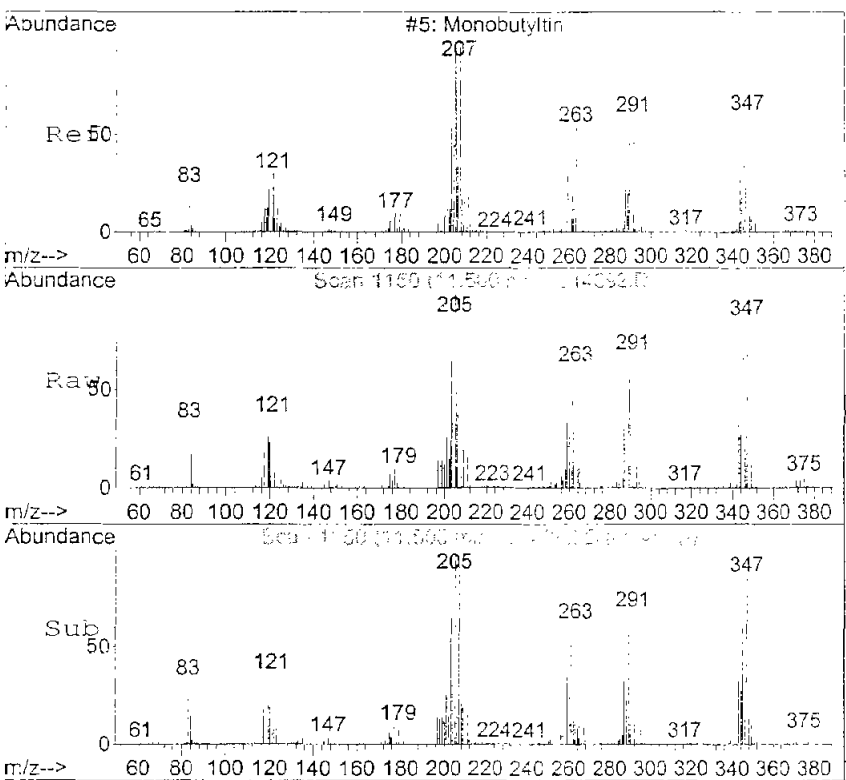


#5
Dibutyltin
Concen: 115.40 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:347 Resp: 283567

Ion	Ratio	Lower	Upper
347	100		
345	37.5	29.8	55.3
263	54.0	31.6	58.6

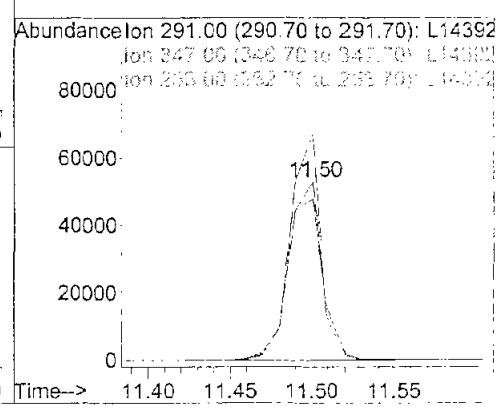




#6
Monobutyltin
Concen: 81.40 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:291 Resp: 239816

Ion	Ratio	Lower	Upper
291	100		
347	36.7	27.9	51.9
263	30.9	19.9	37.0



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14393.D Vial: 0
Acq On : 24 Nov 2004 12:17 Operator:
Sample : 100 PG/UL ORGTIN ICAL 979-33-3B Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58:38 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:58:31 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	123593+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.16	347	117104+	91.43	PG/UL	0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	120801+	109.94	PG/UL	95
4) Tributyltin	10.14	319	157126+	76.95	PG/UL	89
5) Dibutyltin	10.86	347	166040+	69.67	PG/UL	78
6) Monobutyltin	11.50	291	132010+	46.20	PG/UL	90

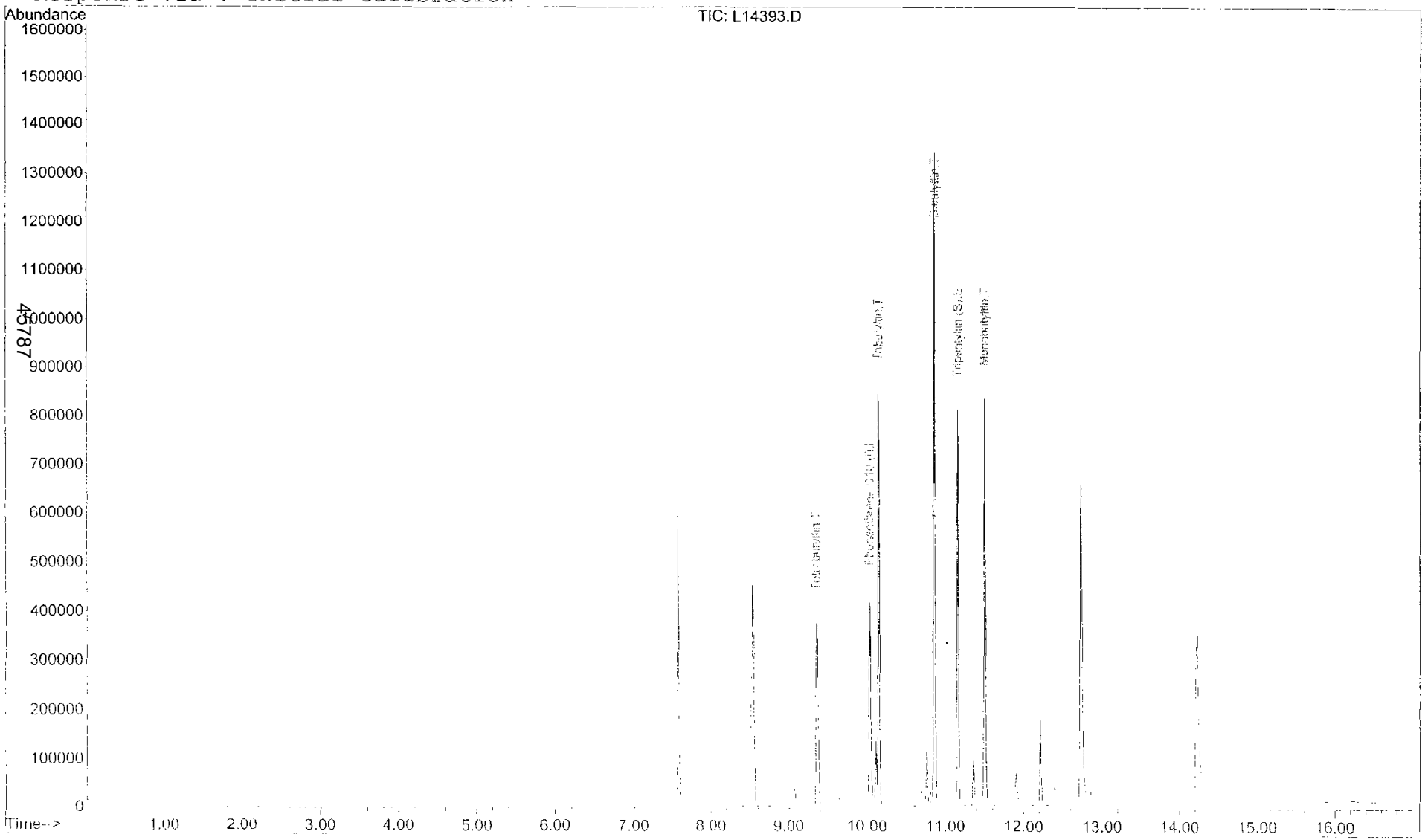
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14393.D
Acq On : 24 Nov 2004 12:17
Sample : 100 PG/UL ORGTIN ICAL 979-33-3B
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58 2004

Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



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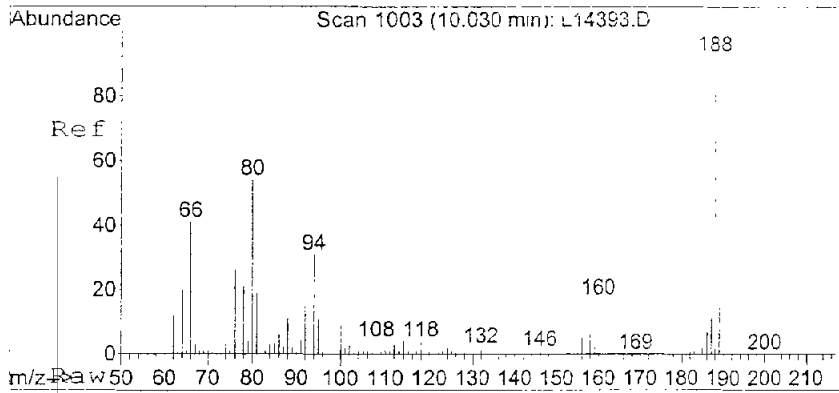
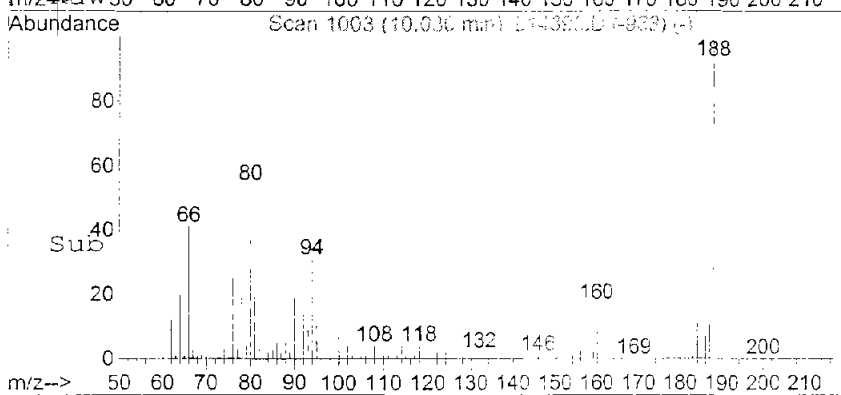
00873

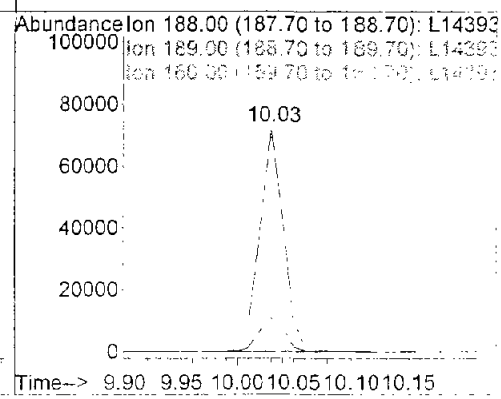


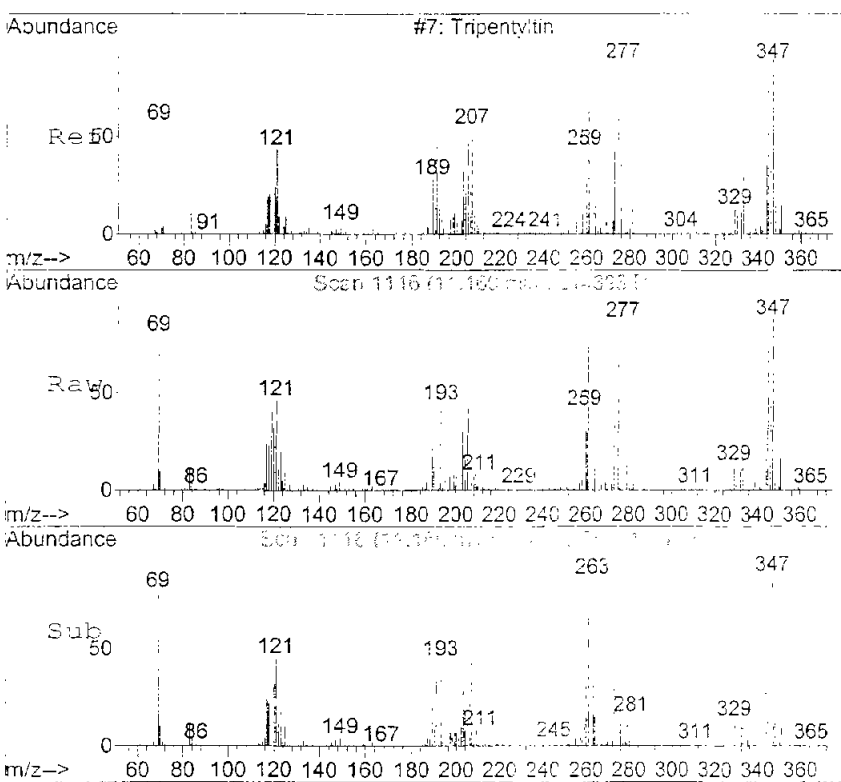
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. 0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:188 Resp: 123593

Ion	Ratio	Lower	Upper
188	100		
189	13.1	7.3	16.9
160	15.2	8.5	19.7



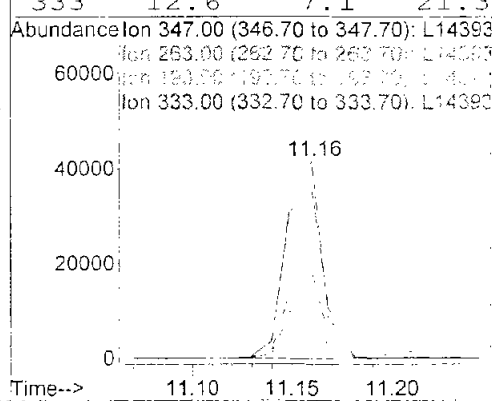


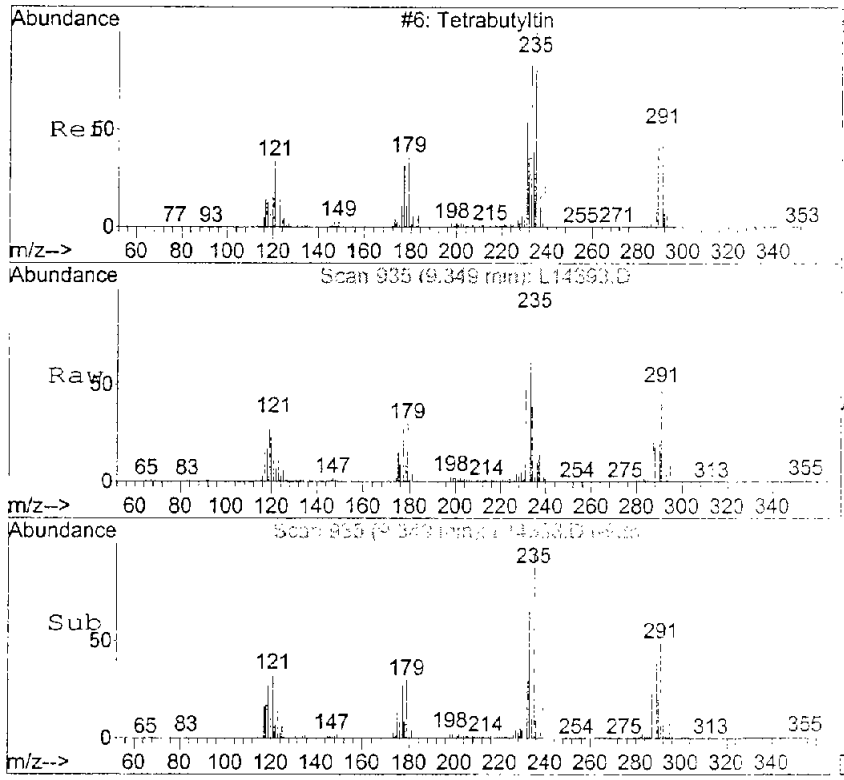


#2
Tripentyltin (S)
Concen: 91.43 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. 0.01 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:347 Resp: 117104

Ion	Ratio	Lower	Upper
347	100		
263	42.5	13.2	52.8
193	20.2	9.3	27.7
333	12.6	7.1	21.3

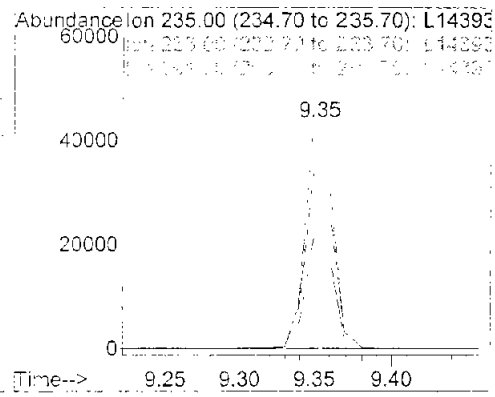


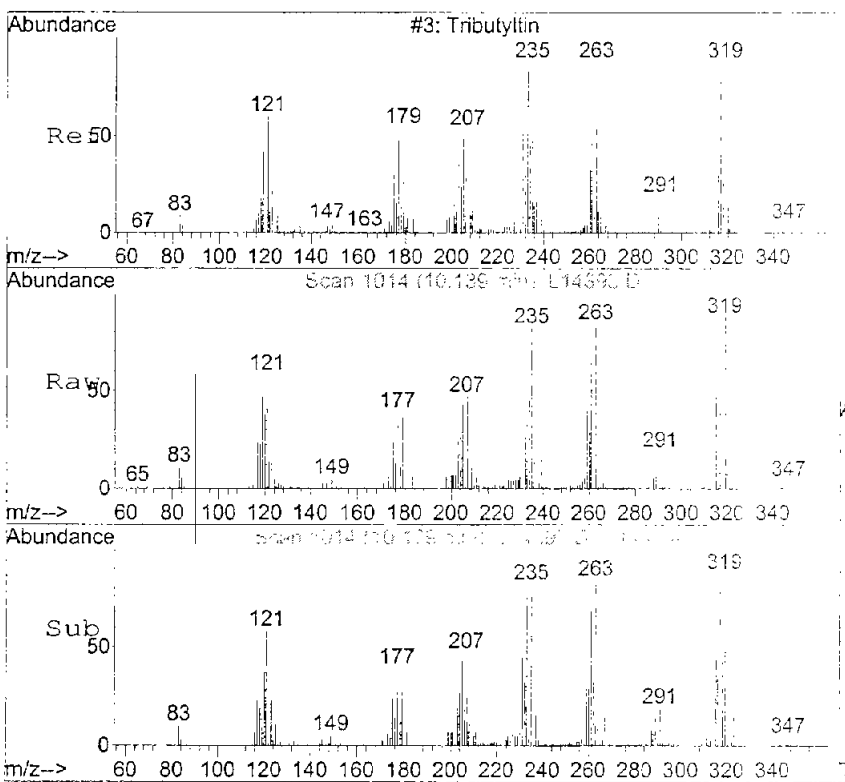


#3
Tetrabutyltin
Concen: 109.94 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:235 Resp: 120801

Ion	Ratio	Lower	Upper
235	100		
233	35.0	23.4	43.4
291	22.3	18.2	33.8

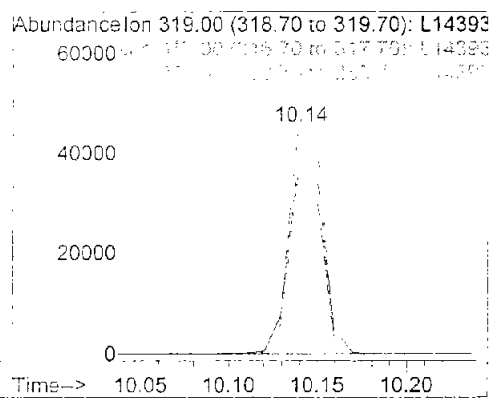


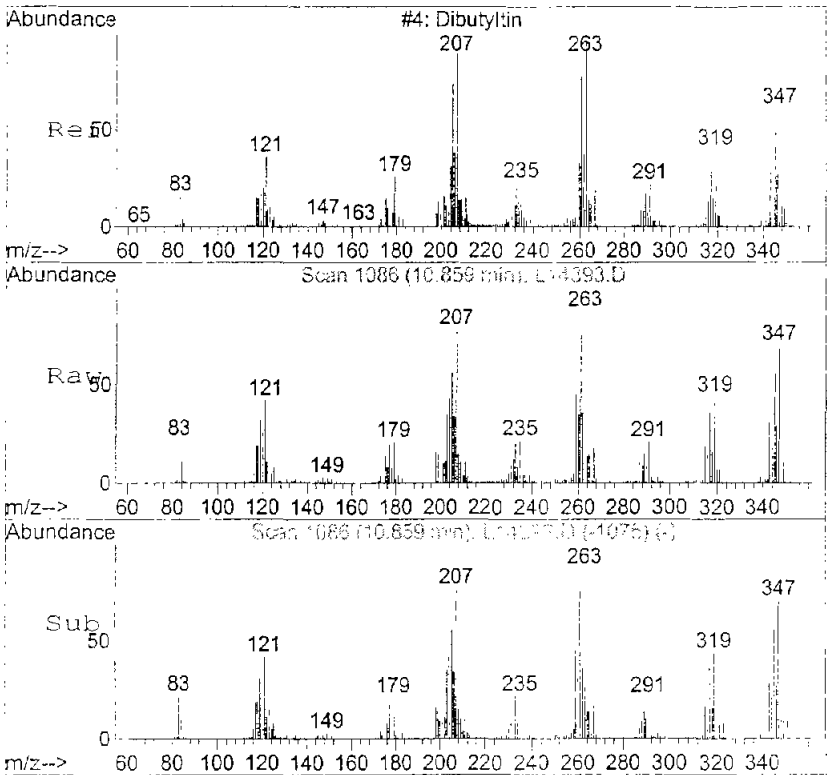


#4
Tributyltin
Concen: 76.95 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:319 Resp: 157126

Ion	Ratio	Lower	Upper
319	100		
317	29.3	22.9	42.5
263	22.9	16.7	31.1#

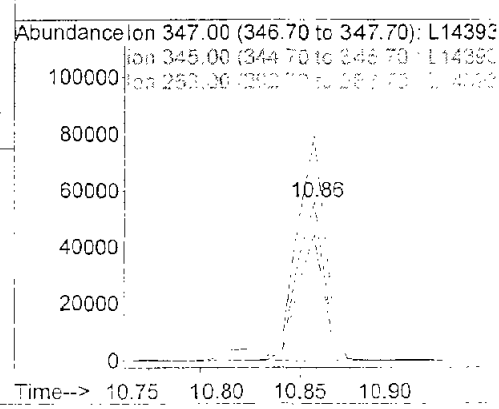


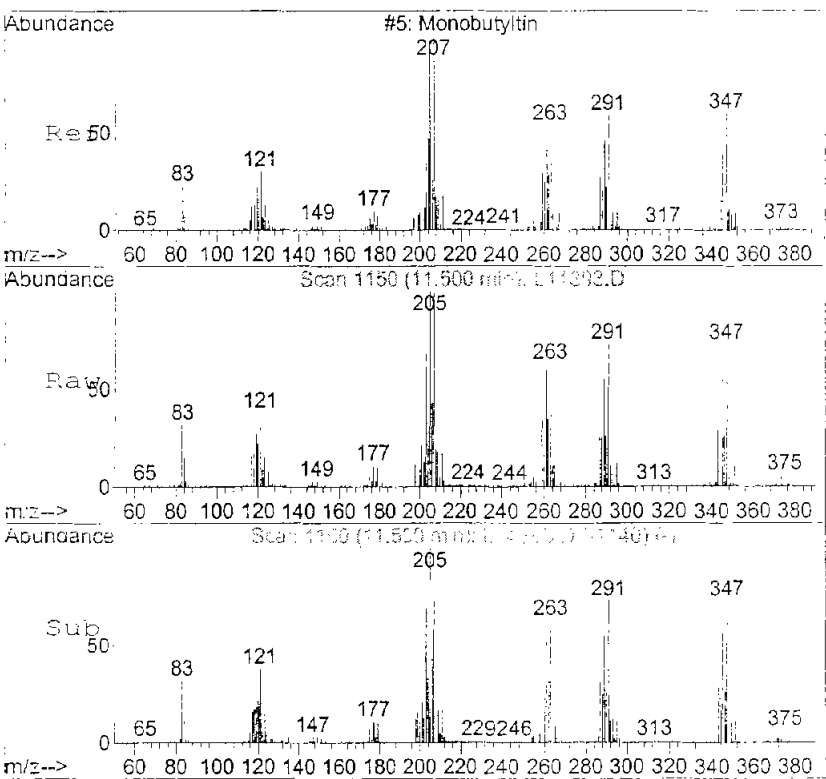


#5
Dibutyltin
Concen: 69.67 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.01 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:347 Resp: 166040

Ion	Ratio	Lower	Upper
347	100		
345	29.8	29.8	55.3
263	61.3	31.6	58.6#

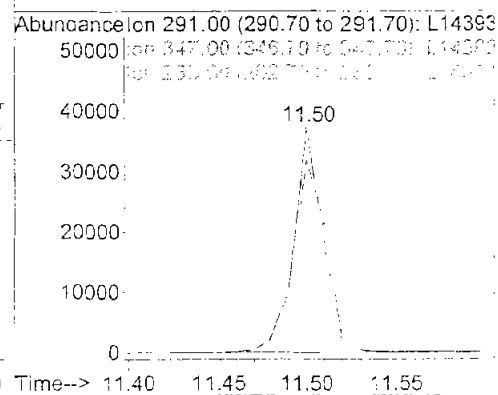




#6
Monobutyltin
Concen: 46.20 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. -0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:291 Resp: 132010

Ion	Ratio	Lower	Upper
291	100		
347	32.6	27.9	51.9
263	32.5	19.9	37.0



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14394.D Vial: 0
Acq On : 24 Nov 2004 12:41 Operator:
Sample : 50 PG/UL ORGTIN ICAL 979-33-3C Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58:59 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:58:49 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.02	188	119994+	100.00	pg/ul	-0.01
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	52774+	39.48	PG/UL	-0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	62213+	55.56	PG/UL	100
4) Tributyltin	10.14	319	79456+	39.11	PG/UL	95
5) Dibutyltin	10.85	347	82769+	32.41	PG/UL	93
6) Monobutyltin	11.49	291	67247+	22.71	PG/UL	95

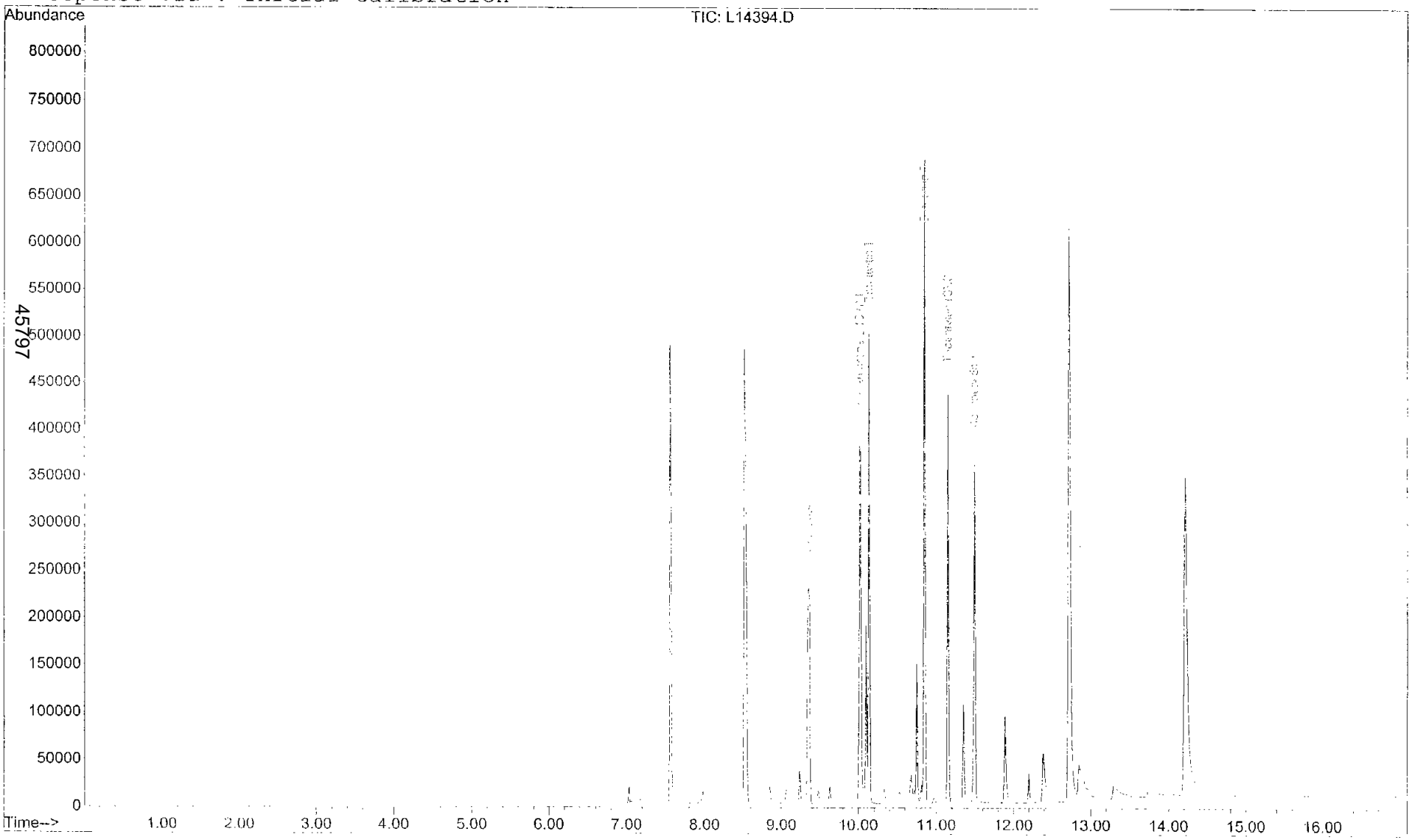
Quantitation Report (Not Reviewed)

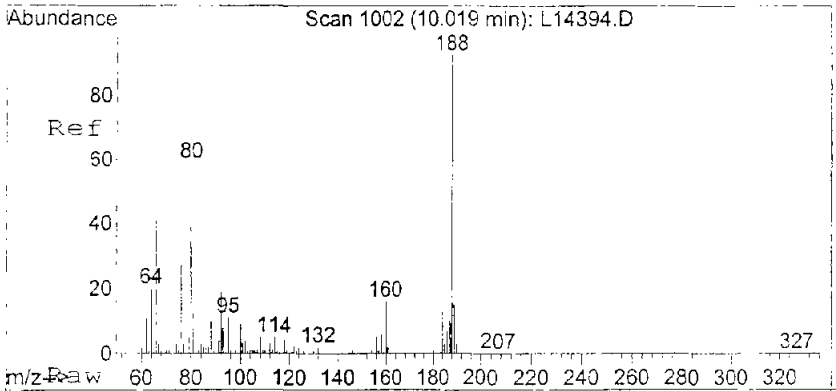
Data File : T:\DATA\11292004\L14394.D
Acq On : 24 Nov 2004 12:41
Sample : 50 PG/UL ORGTIN ICAL 979-33-3C
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58 2004

Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration

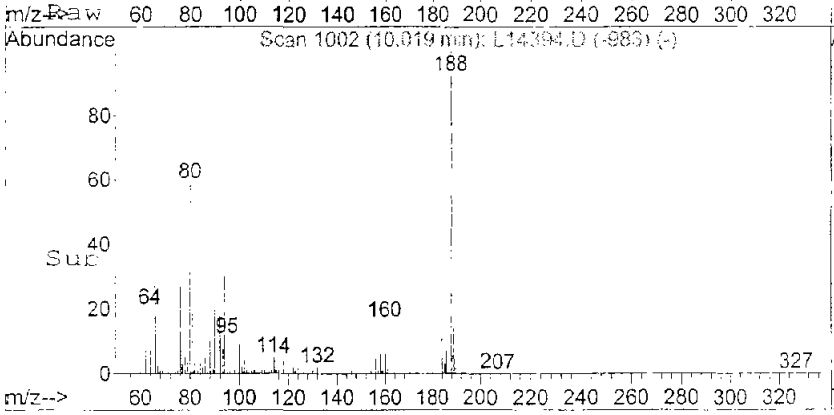


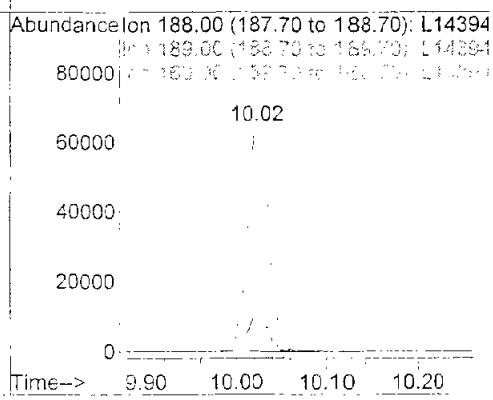


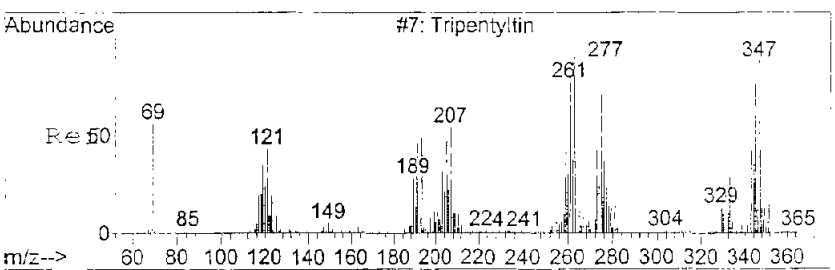
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.02 min Scan# 1002
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

Tgt Ion:188 Resp: 119994

Ion	Ratio	Lower	Upper
188	100		
189	13.0	7.9	18.3
160	14.5	9.1	21.3



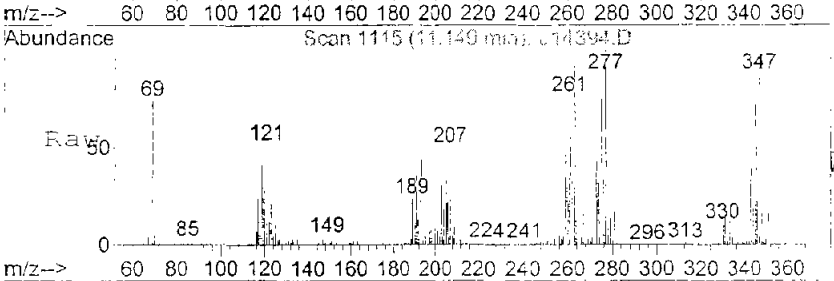


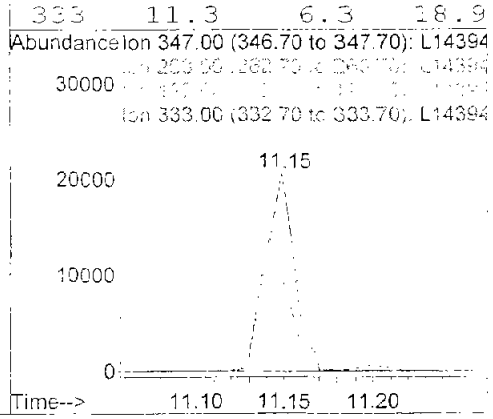


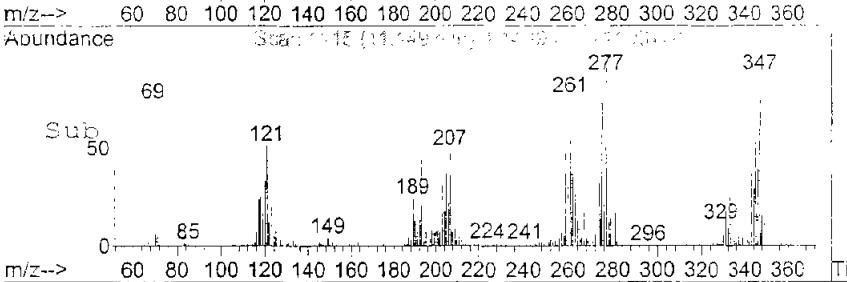
#2
Tripentyltin (S)
Concen: 39.48 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

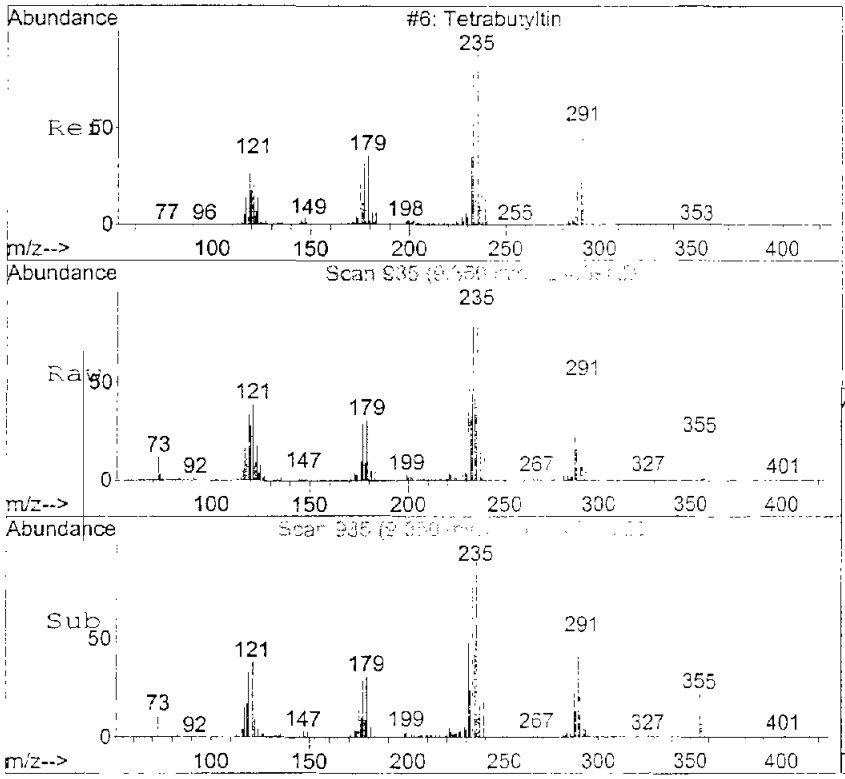
Tgt Ion:347 Resp: 52774

Ion	Ratio	Lower	Upper
347	100		
263	45.5	17.0	68.0
193	21.1	10.1	30.3
333	11.3	6.3	18.9





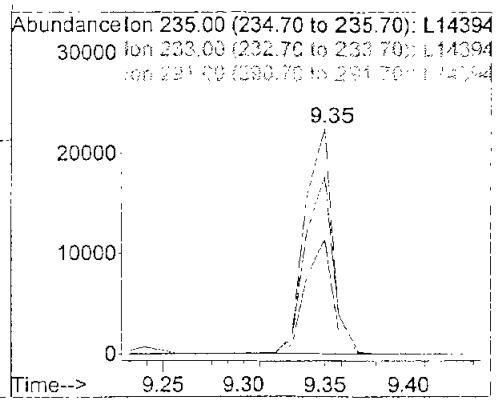


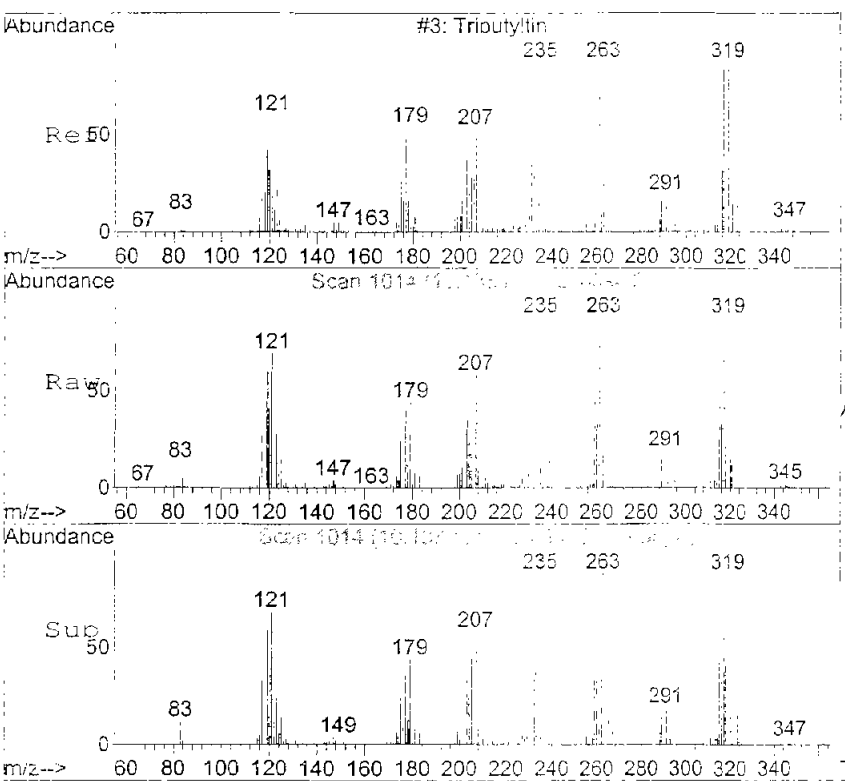


#3
Tetrabutyltin
Concen: 55.56 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

Tgt Ion:235 Resp: 62213

Ion	Ratio	Lower	Upper
235	100		
233	34.9	24.5	45.5
291	22.2	15.6	29.0

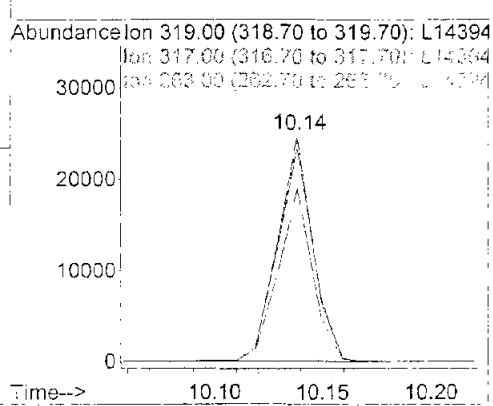


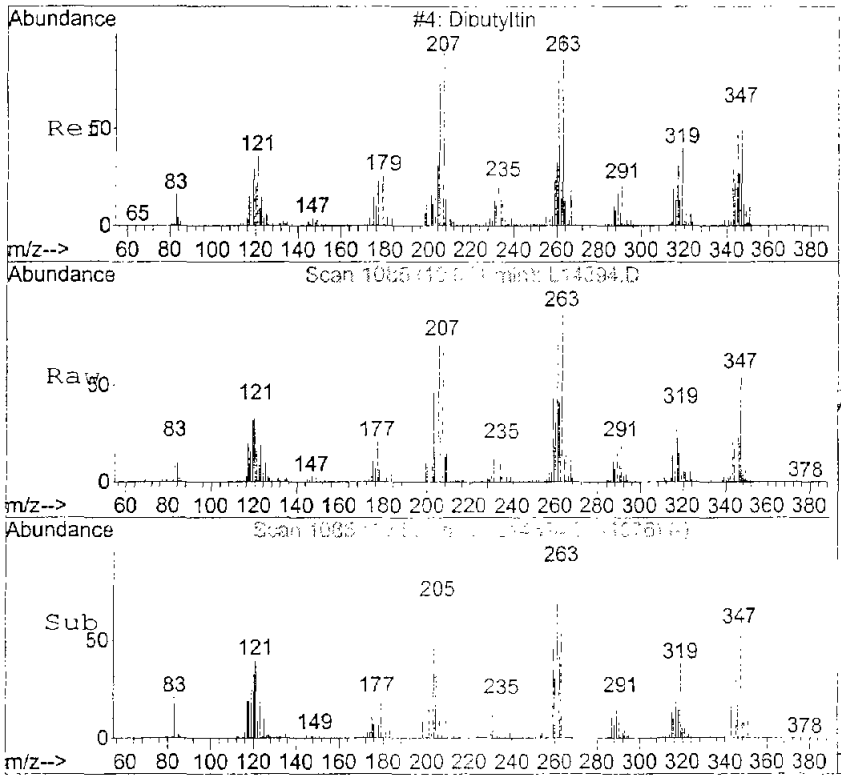


#4
Tributyltin
Concen: 39.11 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. -0.00 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

Tgt Ion:319 Resp: 79456

Ion	Ratio	Lower	Upper
319	100		
317	27.3	20.5	38.1
263	35.9	23.0	42.8

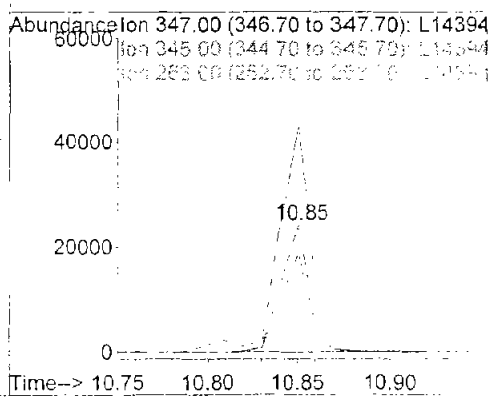


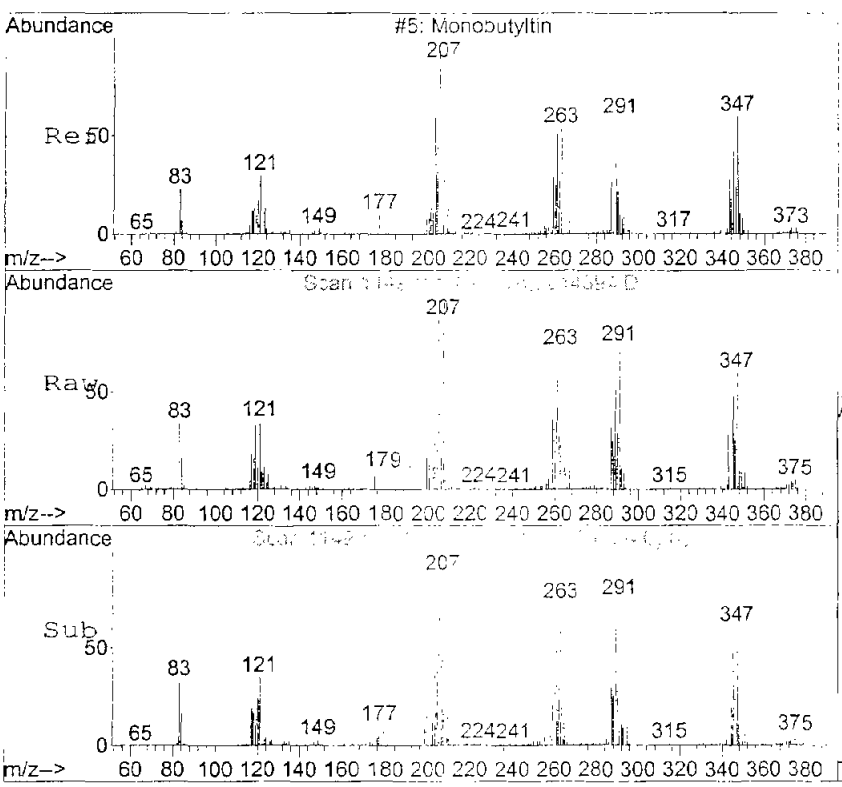


#5
Dibutyltin
Concen: 32.41 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

Tgt Ion:347 Resp: 82769

Ion	Ratio	Lower	Upper
347	100		
345	26.0	20.9	38.7
263	66.9	42.9	79.7

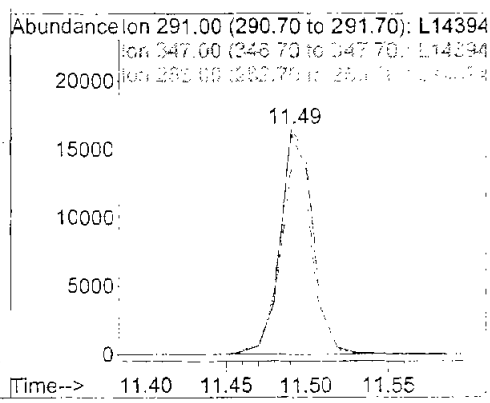




#6
Monobutyltin
Concen: 22.71 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

Tgt Ion:291 Resp: 67247

Ion	Ratio	Lower	Upper
291	100		
347	29.2	22.8	42.4
263	34.7	22.7	42.3



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14395.D Vial: 0
Acq On : 24 Nov 2004 13:05 Operator:
Sample : 10 PG/UL ORGTIN ICAL 979-33-3D Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:59:20 2004 Quant Results File: ORGTIN112404.RES

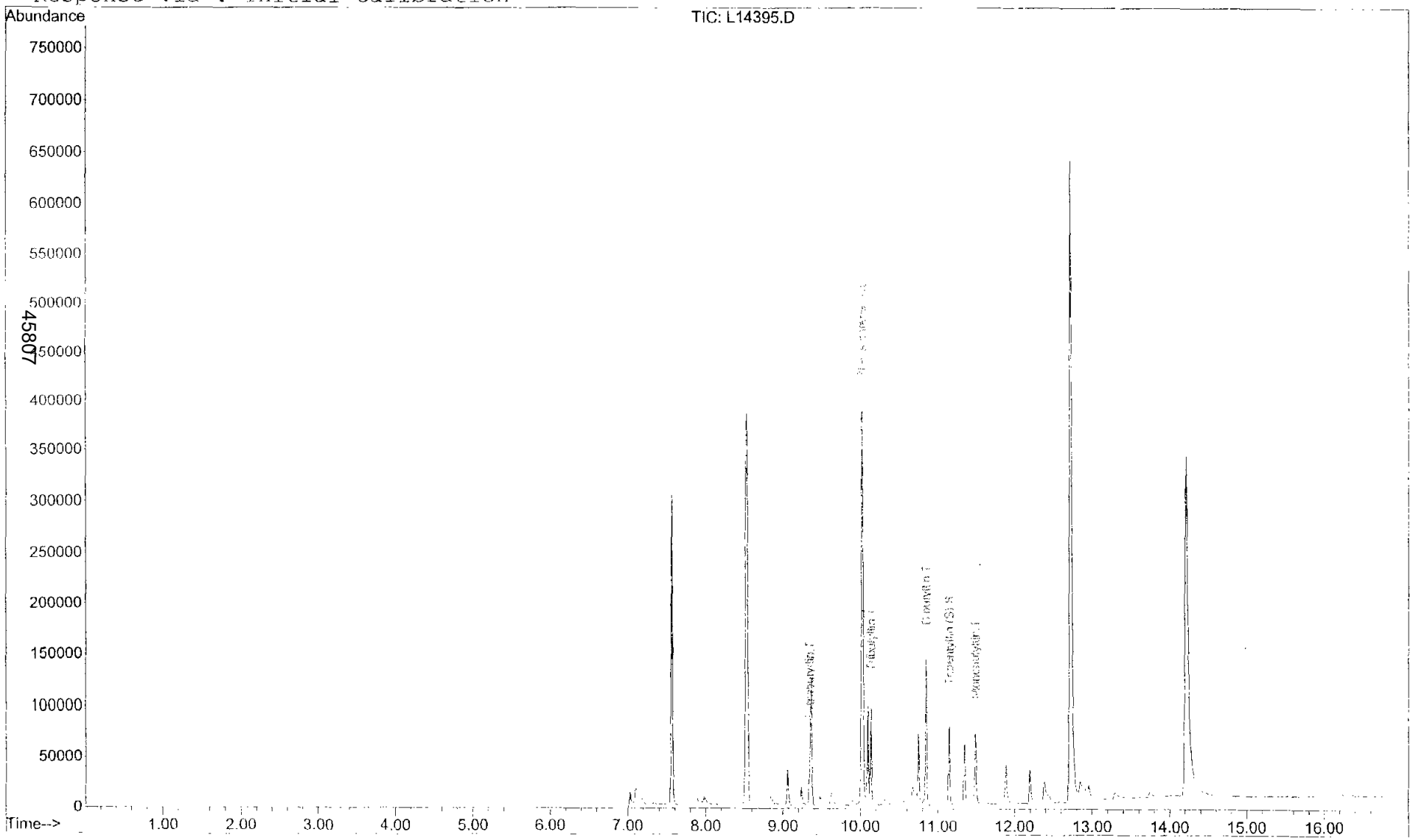
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:59:12 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	125403+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	10458+	7.50	PG/UL	-0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	11894+	9.80	PG/UL	95
4) Tributyltin	10.14	319	14248+	6.56	PG/UL	91
5) Dibutyltin	10.85	347	17142+	6.17	PG/UL	90
6) Monobutyltin	11.49	291	13546+	4.21	PG/UL	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed
L14395.D ORGTIN112404.M Mon Nov 29 14:01:32 2004 Page 1

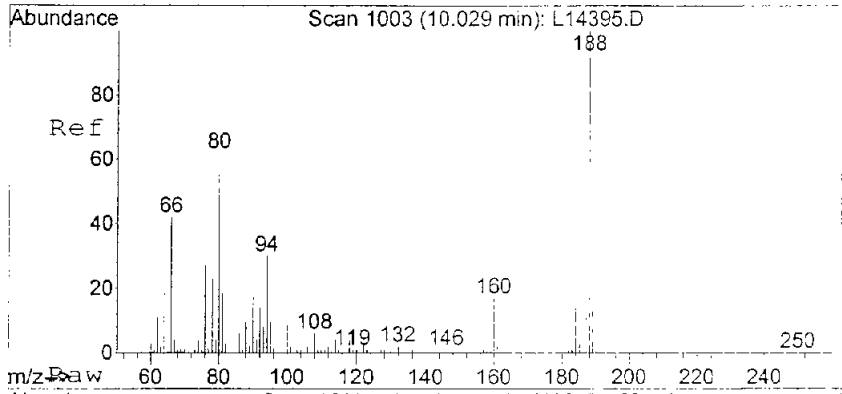
Data File : T:\DATA\11292004\L14395.D Vial: 0
Acq On : 24 Nov 2004 13:05 Operator:
Sample : 10 PG/UI ORGTIN ICAL 979-33-3D Inst :
Misc : Multipli: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:59 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



45807

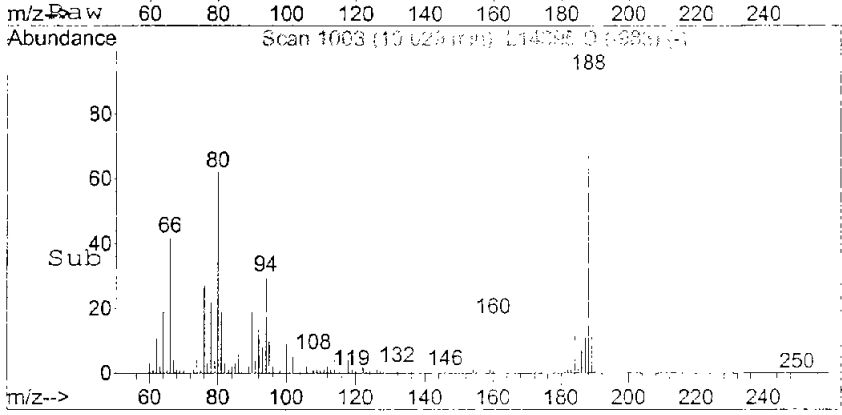
00883

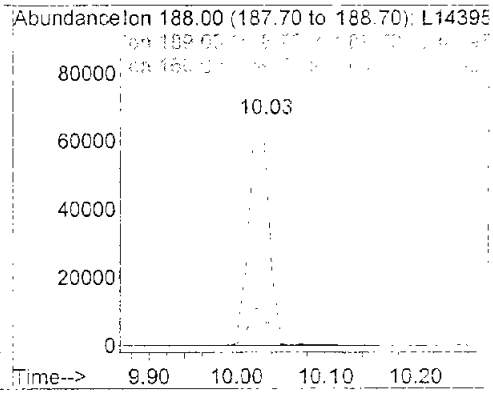


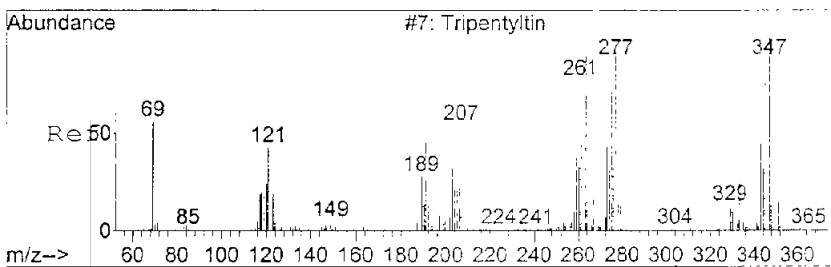
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. -0.00 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

Tgt Ion:188 Resp: 125403

Ion	Ratio	Lower	Upper
188	100		
189	12.1	7.9	18.3
160	15.1	9.1	21.3



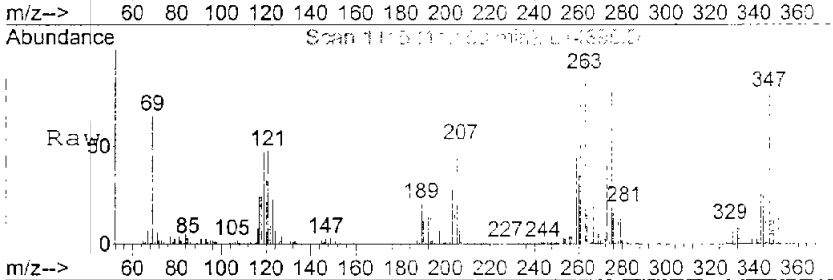


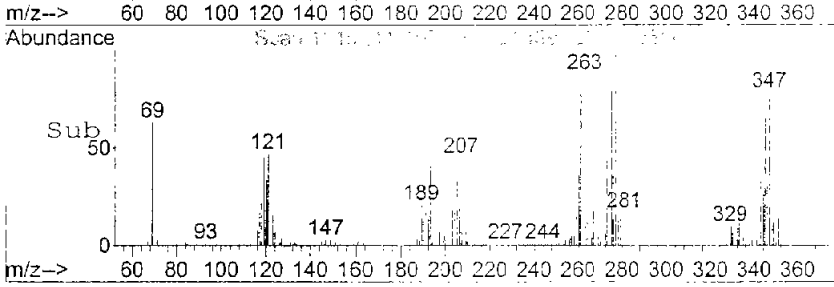


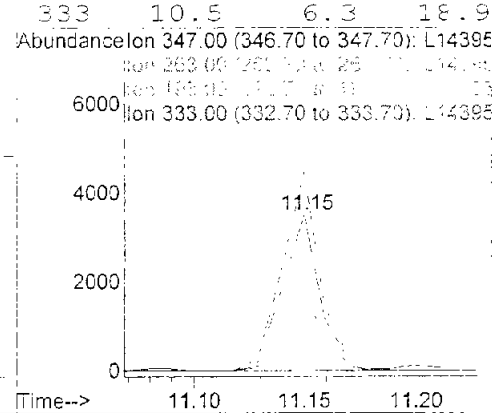
#2
Tripentyltin (S)
Concen: 7.50 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

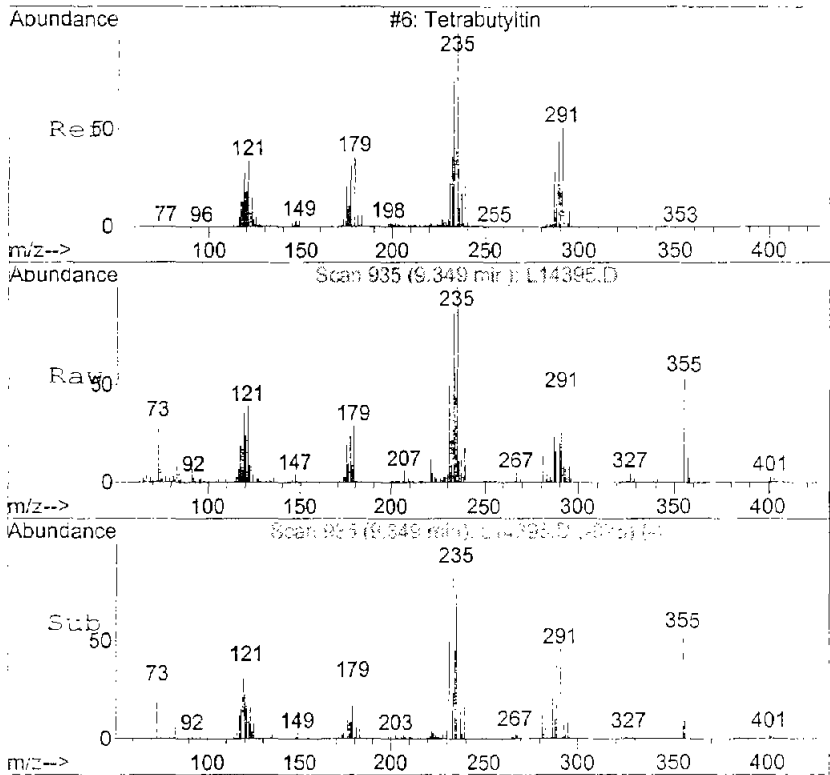
Tgt Ion:347 Resp: 10458

Ion	Ratio	Lower	Upper
347	100		
263	50.7	17.0	68.0
193	20.3	10.1	30.3
333	10.5	6.3	18.9





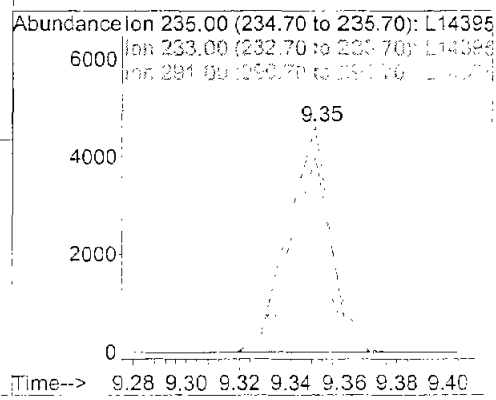


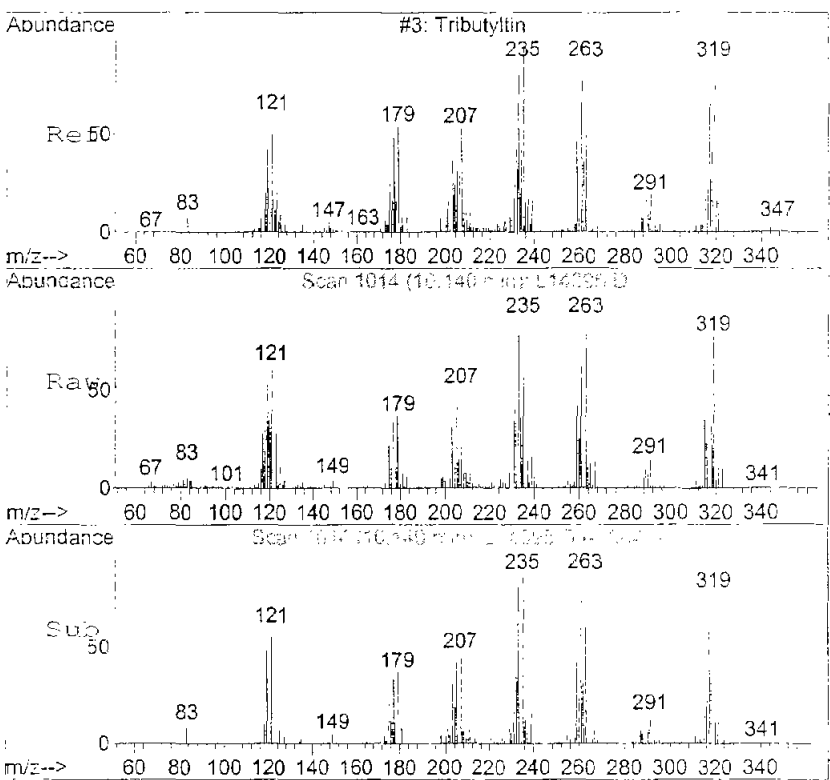


#3
Tetrabutyltin
Concen: 9.80 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

Tgt Ion:235 Resp: 11894

Ion	Ratio	Lower	Upper
235	100		
233	38.1	24.5	45.5
291	20.2	15.6	29.0

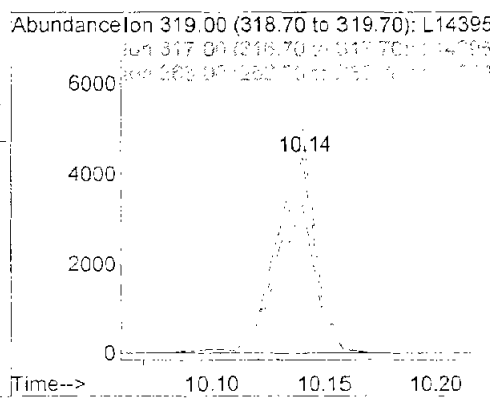


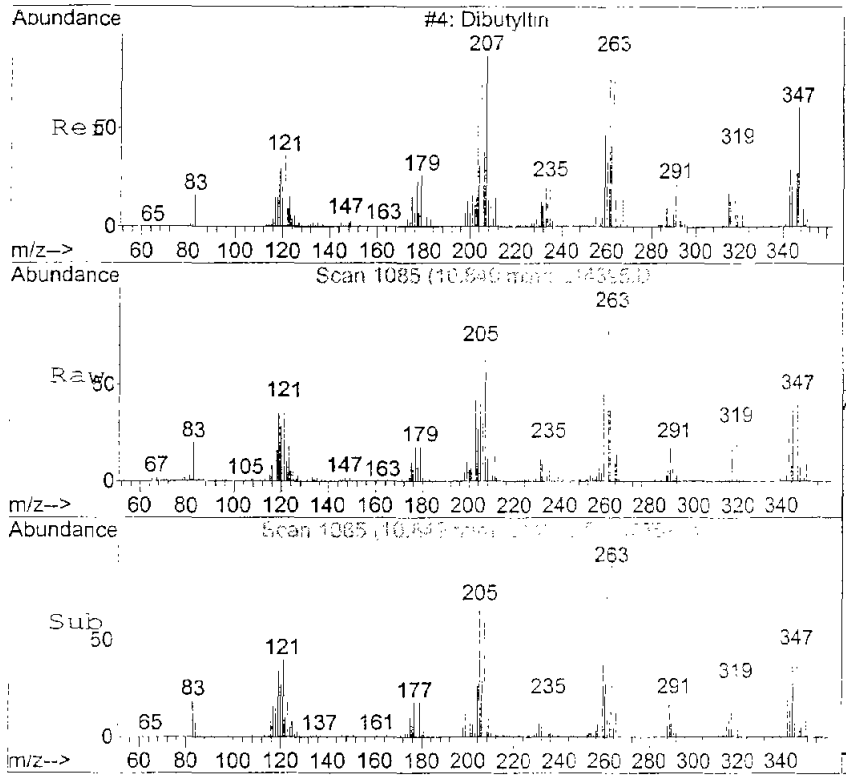


#4
Tributyltin
Concen: 6.56 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

Tgt Ion:319 Resp: 14248

Ion	Ratio	Lower	Upper
319	100		
317	26.4	20.5	38.1
263	40.0	23.0	42.8

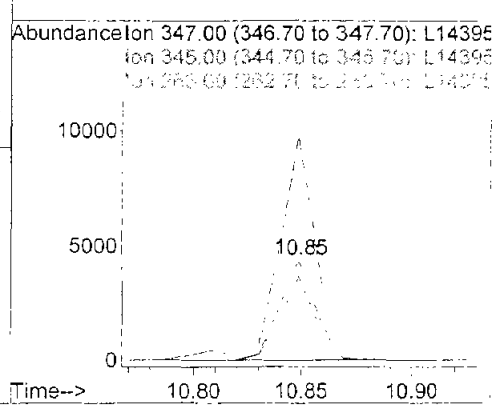


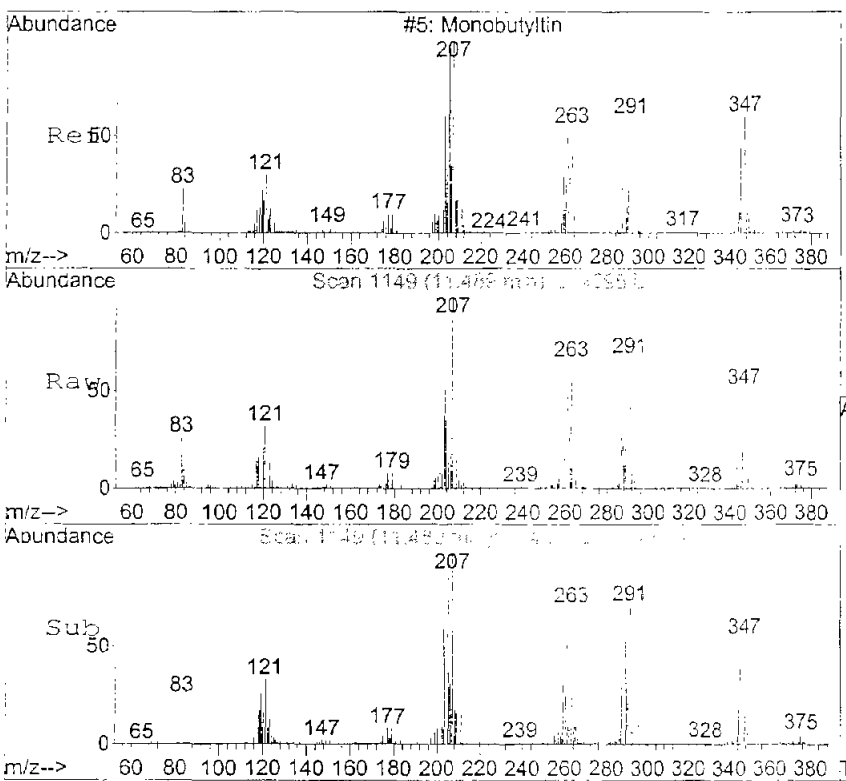


#5
Dibutyltin
Concen: 6.17 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. -0.01 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

Tgt Ion:347 Resp: 17142

Ion	Ratio	Lower	Upper
347	100		
345	25.1	20.9	38.7
263	69.1	42.9	79.7

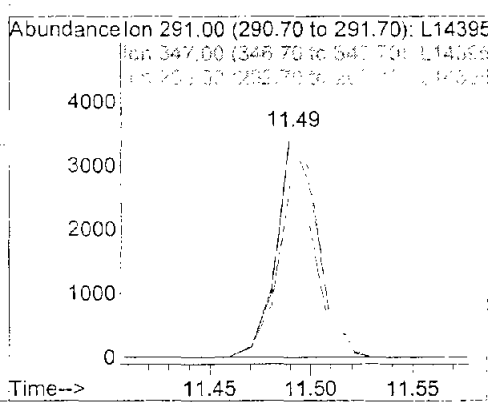




#6
Monobutyltin
Concen: 4.21 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

Tgt Ion:291 Resp: 13546

Ion	Ratio	Lower	Upper
291	100		
347	27.4	22.8	42.4
263	35.7	22.7	42.3



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14396.D Vial: 0
Acq On : 24 Nov 2004 13:33 Operator:
Sample : 5.0 PG/UL ORGTIN ICAL 979-33-3E Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:00:02 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:59:28 2004
Response via : Initial Calibration
DataAcq Meth :

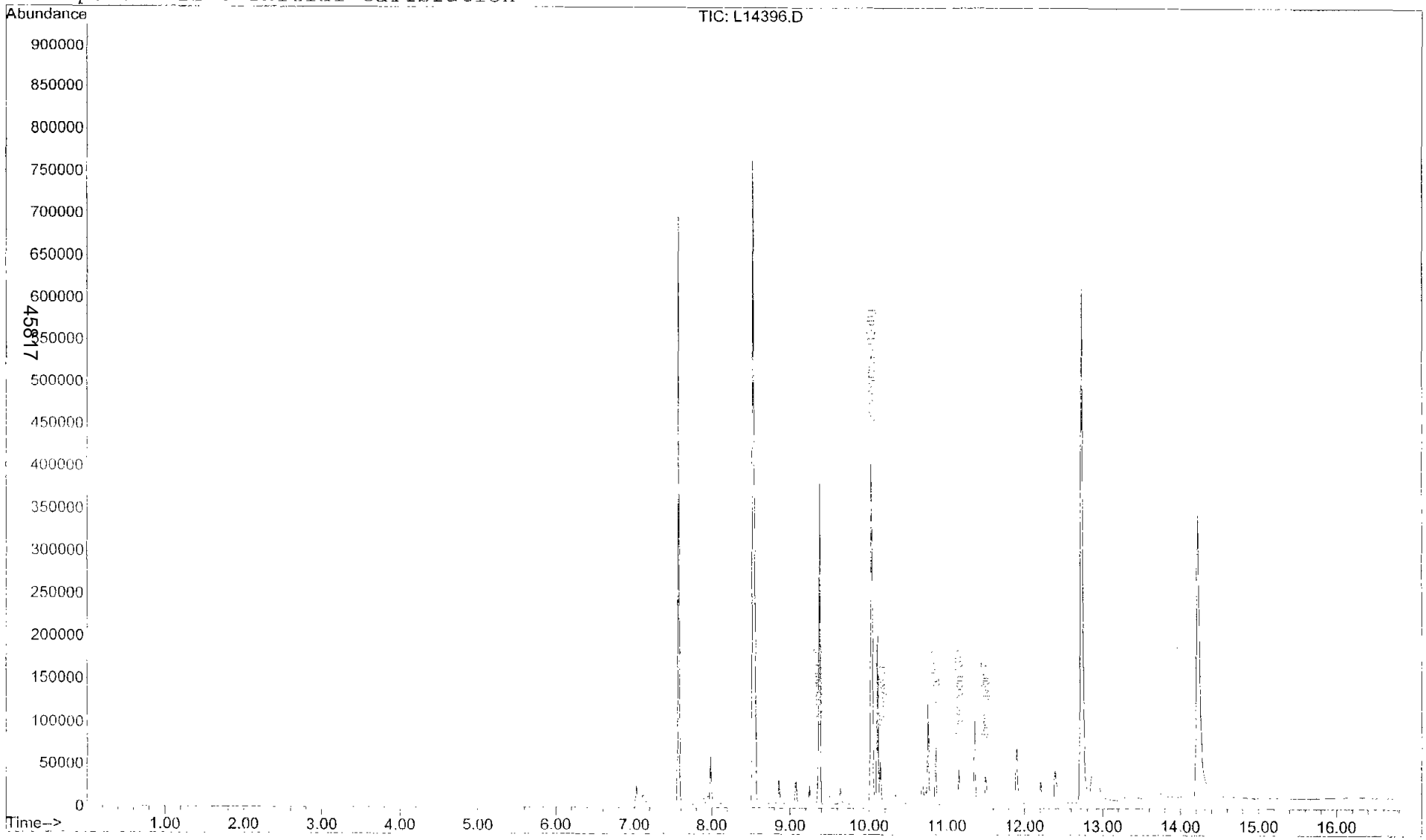
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	121297+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.16	347	5564+	4.19	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	6157+	5.27	PG/UL	96
4) Tributyltin	10.15	319	8592+	4.20	PG/UL	91
5) Dibutyltin	10.86	347	8241+	3.01	PG/UL	88
6) Monobutyltin	11.50	291	6859+	2.19	PG/UL	91

Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14396.D
Acq On : 24 Nov 2004 13:33
Sample : 5.0 PG/UL ORGTIN ICAL 979-33-3E
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 29 14:00 2004

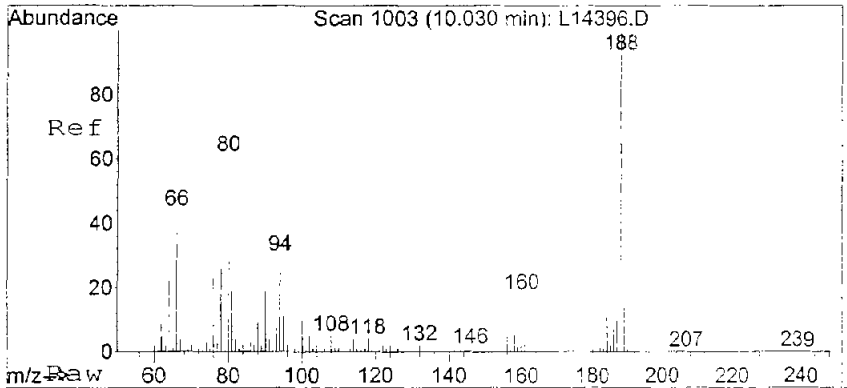
Vial: 0
Operator:
Inst :
Multiplr: 1.00
Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



458117

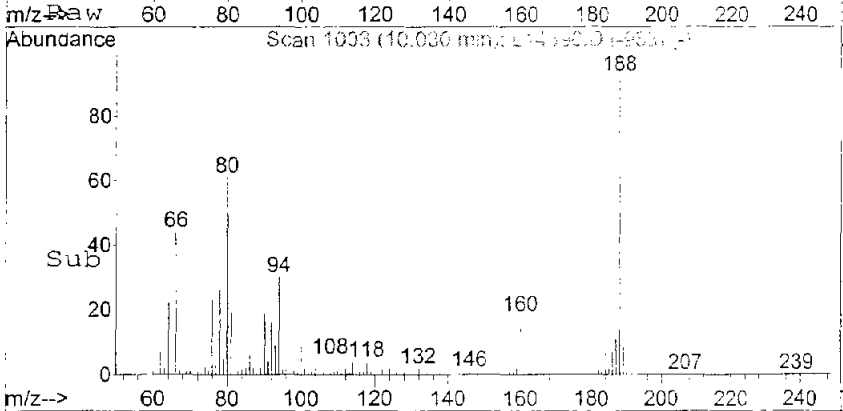
88800

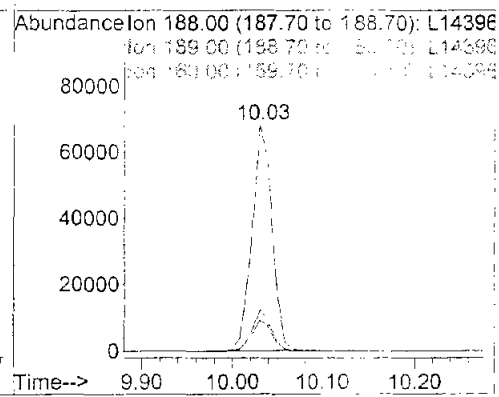


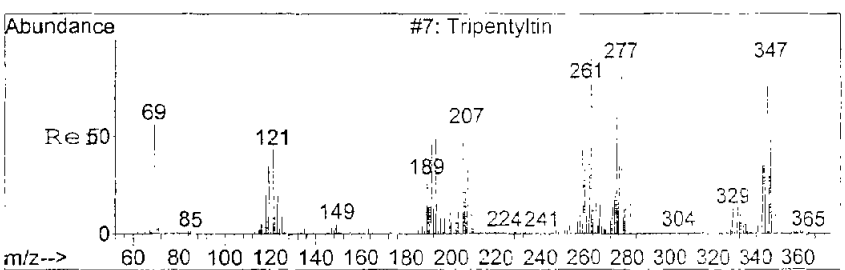
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. 0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:188 Resp: 121297

Ion	Ratio	Lower	Upper
188	100		
189	12.1	7.9	18.3
160	14.9	9.1	21.3



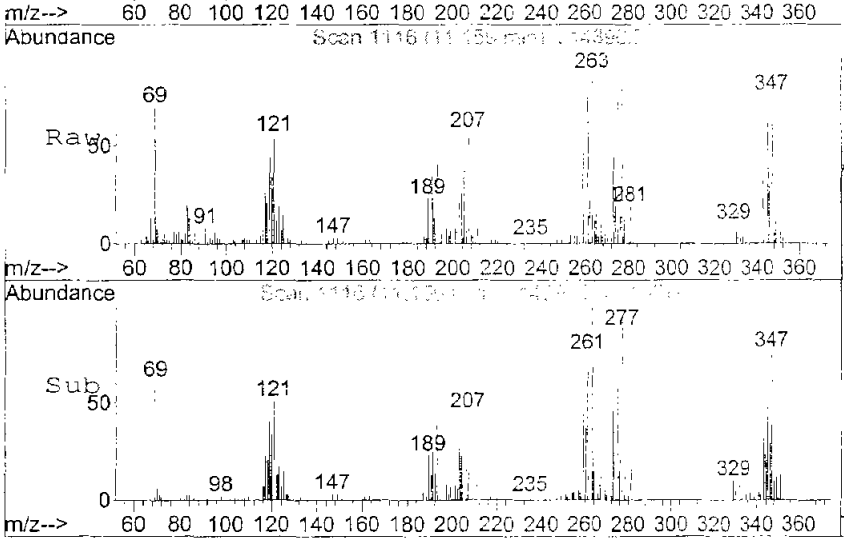


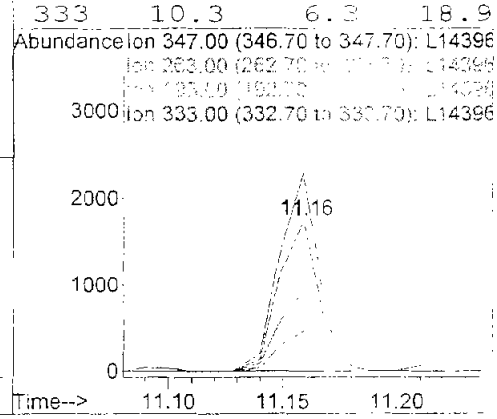


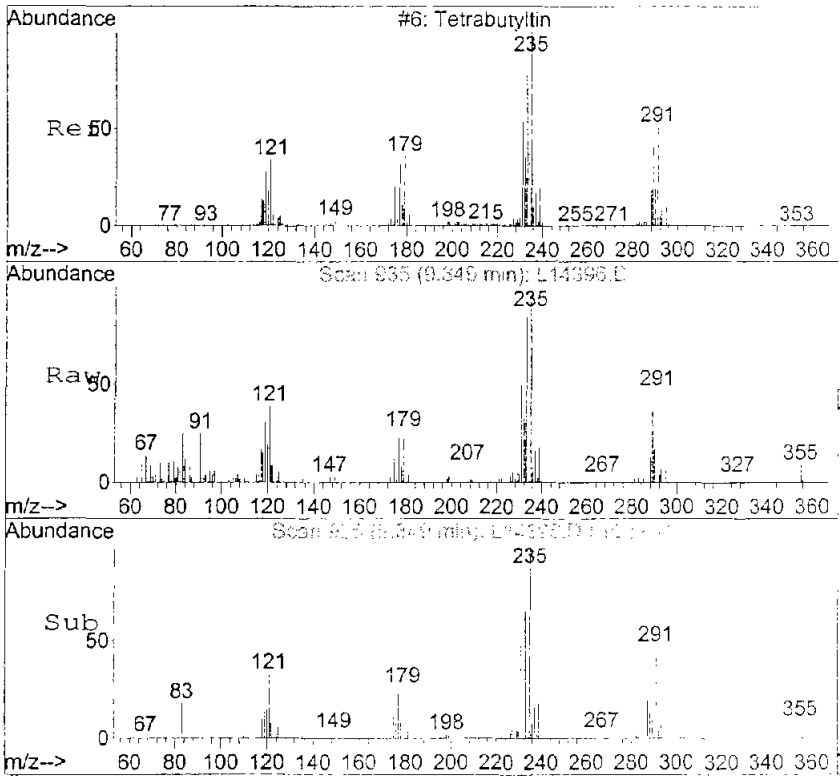
#2
Tripentyltin (S)
Concen: 4.19 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. -0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:347 Resp: 5564

Ion	Ratio	Lower	Upper
347	100		
263	50.8	17.0	68.0
193	21.7	10.1	30.3
333	10.3	6.3	18.9



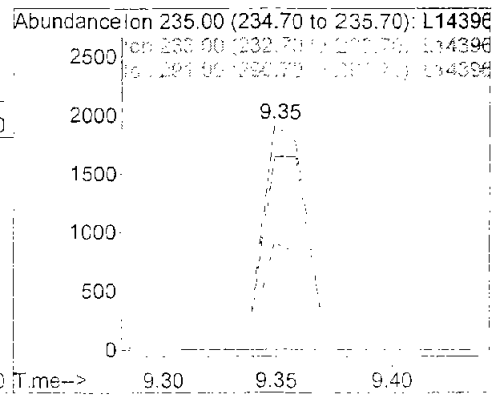


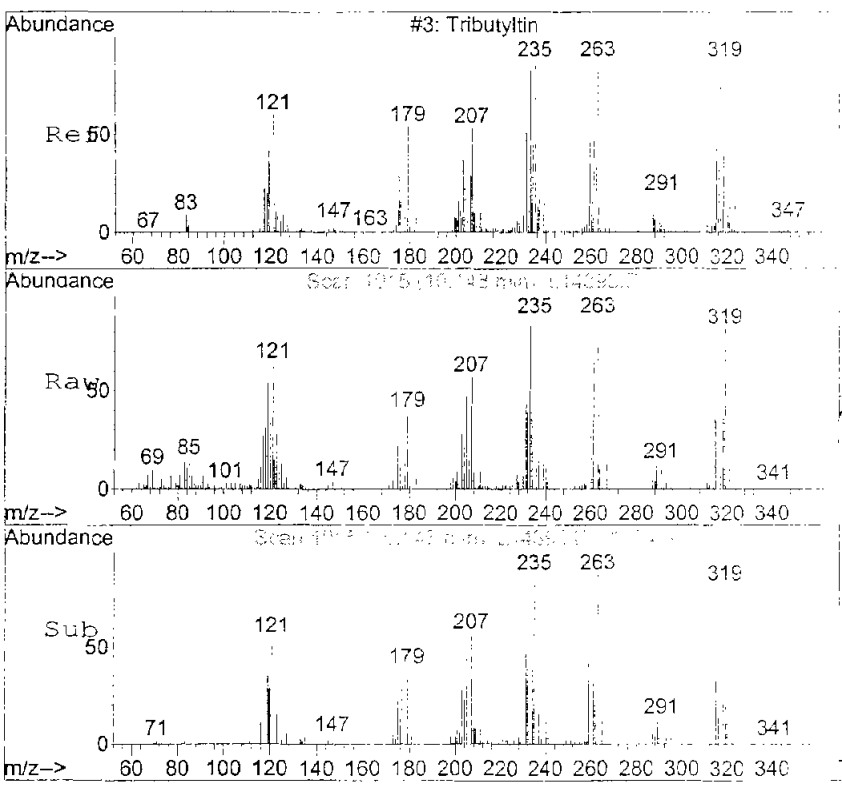


#3
Tetrabutyltin
Concen: 5.27 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:235 Resp: 6157

Ion	Ratio	Lower	Upper
235	100		
233	36.7	24.5	45.5
291	19.1	15.6	29.0

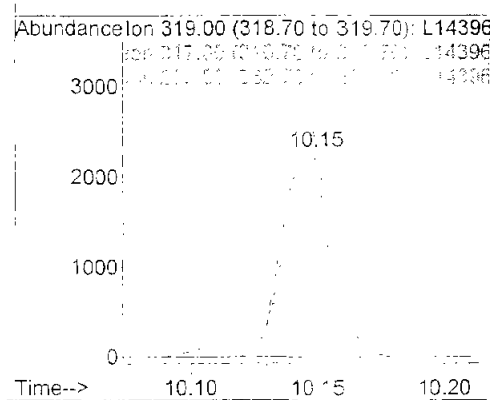


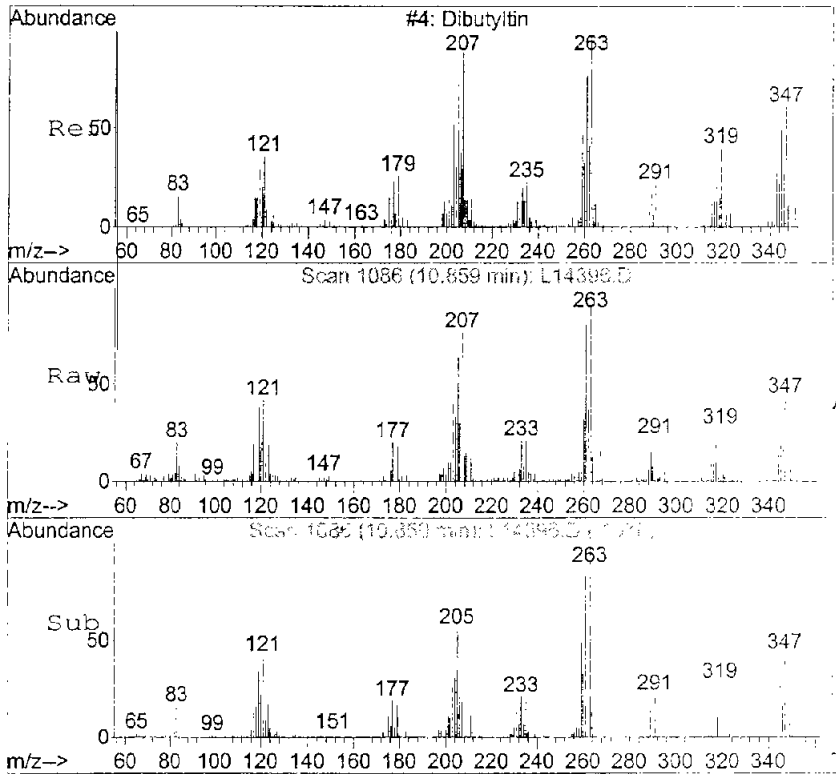


#4
Tributyltin
Concen: 4.20 PG/UL
RT: 10.15 min Scan# 1015
Delta R.T. 0.01 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:319 Resp: 8592

Ion	Ratio	Lower	Upper
319	100		
317	27.0	20.5	38.1
263	40.6	23.0	42.8

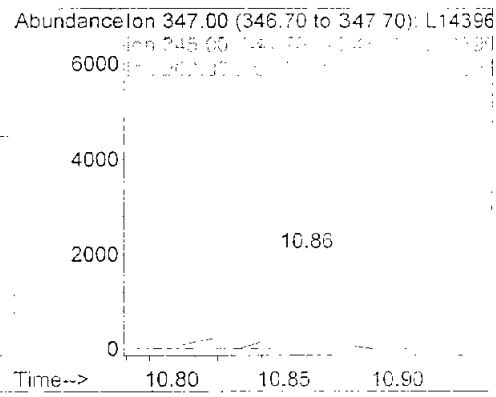


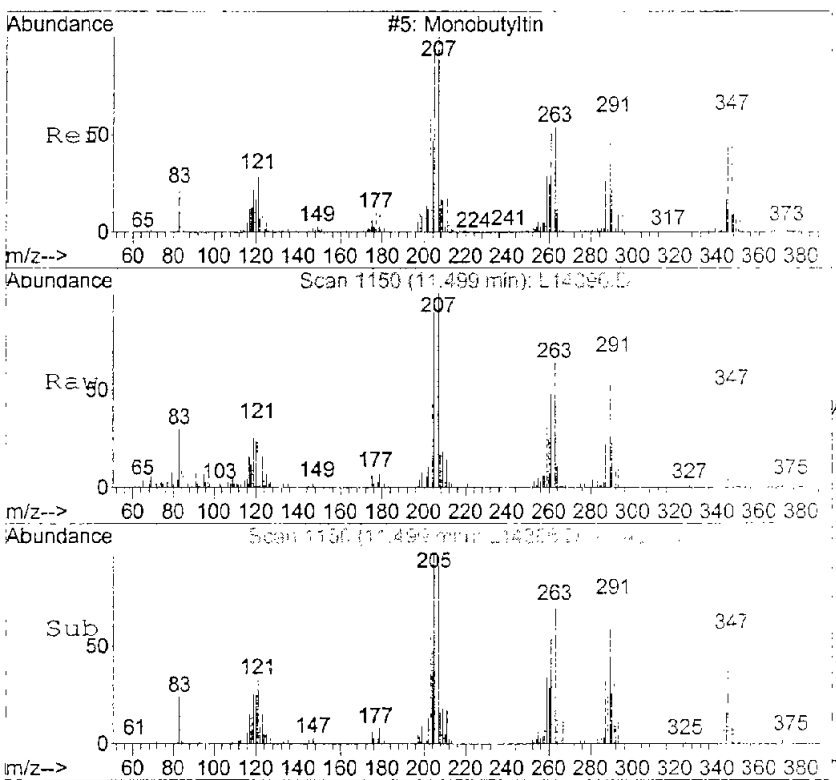


#5
Dibutyltin
Concen: 3.01 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:347 Resp: 8241

Ion	Ratio	Lower	Upper
347	100		
345	23.2	20.9	38.7
263	70.7	42.9	79.7

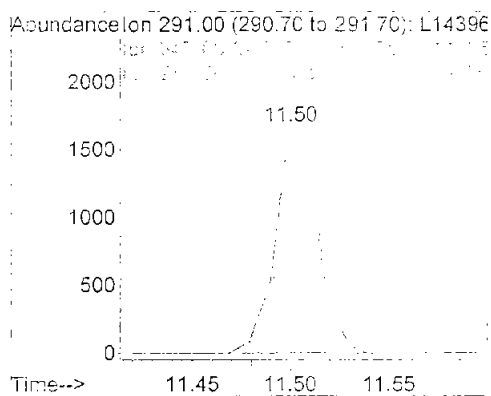




#6
Monobutyltin
Concen: 2.19 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. -0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:291 Resp: 6859

Ion	Ratio	Lower	Upper
291	100		
347	26.8	22.8	42.4
263	37.1	22.7	42.3



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14397.D Vial: 0
Acq On : 24 Nov 2004 13:58 Operator:
Sample : 1.0 PG/UL ORGTIN ICAL 979-33-3F Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:00:19 2004 Quant Results File: ORGTIN112404.RES

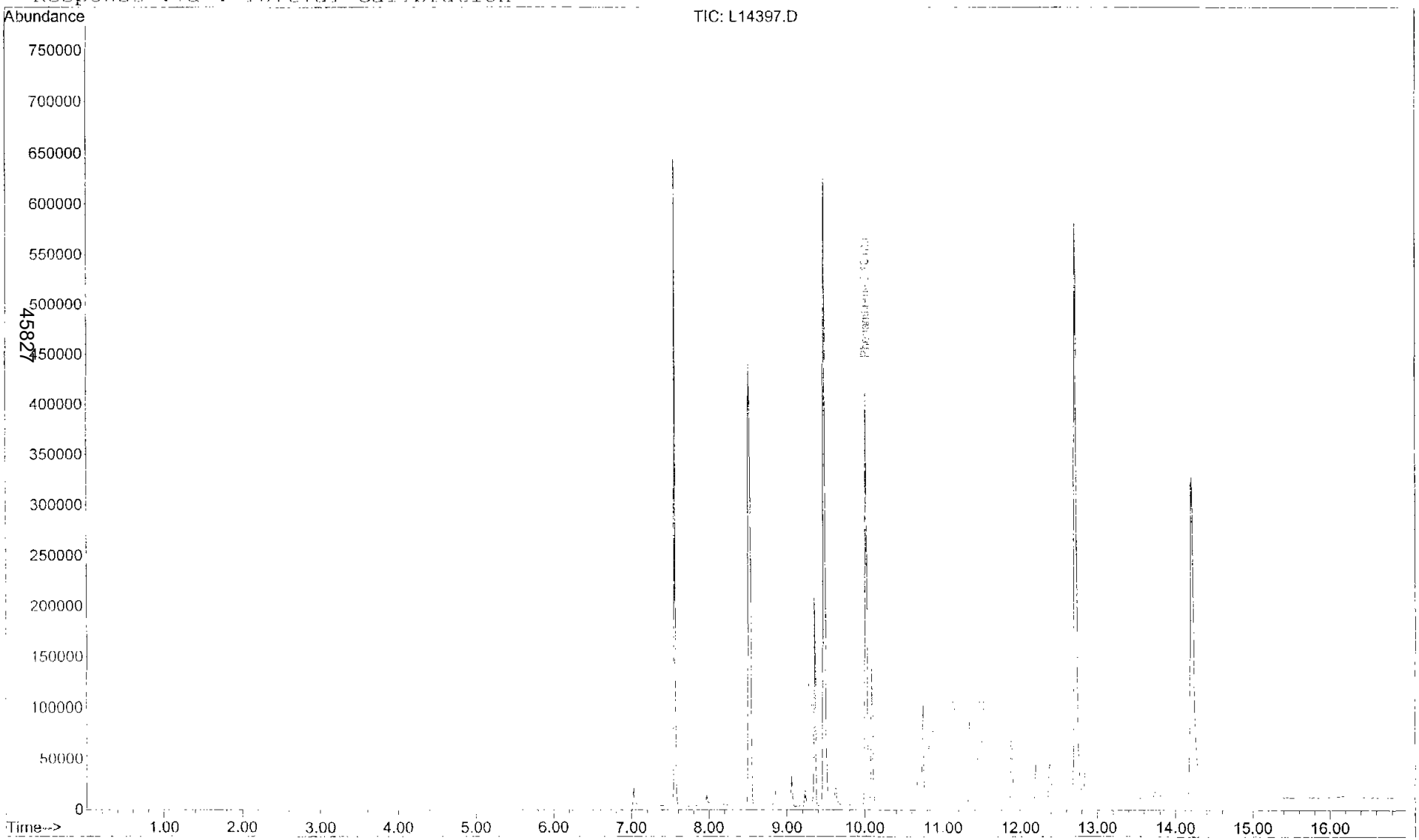
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:10 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.02	188	120202+	100.00	pg/ul	-0.01
System Monitoring Compounds						
2) Tripentyltin (S)	11.14	347	963+	0.72	PG/UL	-0.02
Target Compounds						Qvalue
3) Tetrabutyltin	9.34	235	1165+	1.00	PG/UL	90
4) Tributyltin	10.13	319	1316+	0.63	PG/UL	89
5) Dibutyltin	10.84	347	1526+	0.56	PG/UL	85
6) Monobutyltin	11.49	291	1113+	0.35	PG/UL	80

Quantitation Report (Not Reviewed)

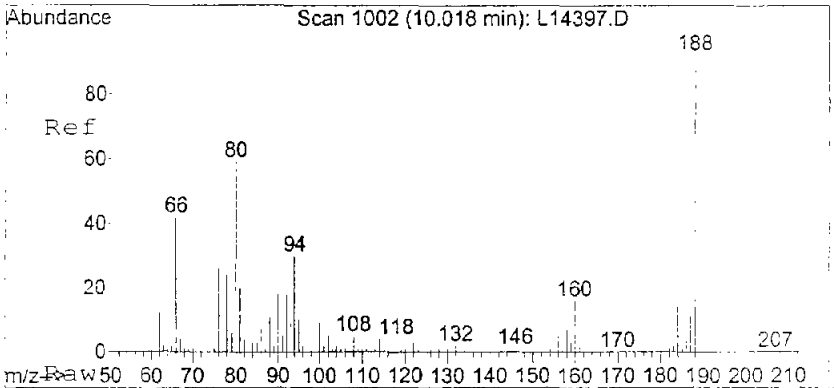
Data File : T:\DATA\11292004\L14397.D Vial: 0
Acq On : 24 Nov 2004 13:58 Operator:
Sample : 1.0 PG/UL ORGTIN ICAL 979-33-3F Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:00 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



45827

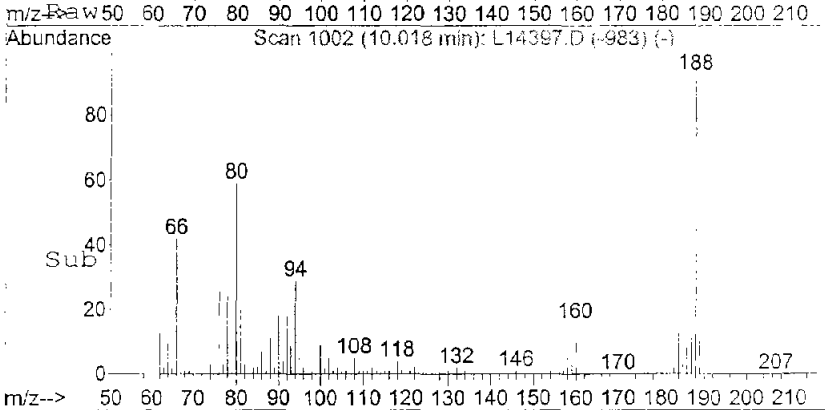
00800

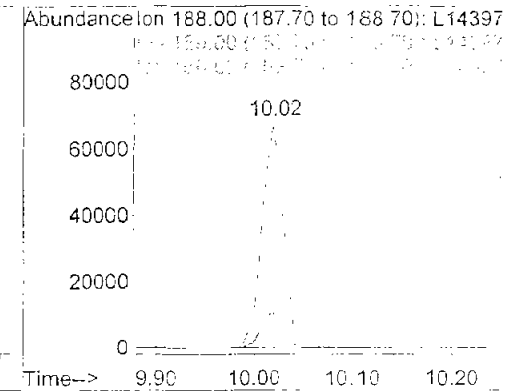


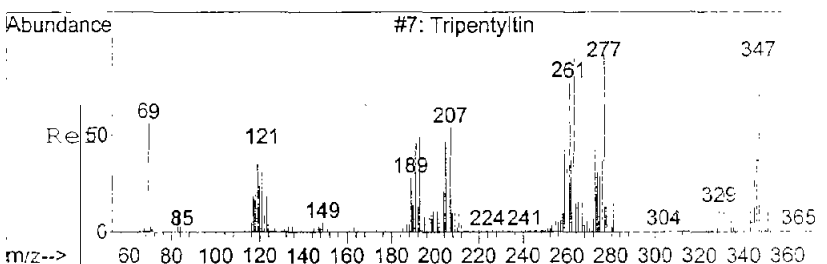
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.02 min Scan# 1002
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

Tgt Ion:188 Resp: 120202

Ion	Ratio	Lower	Upper
188	100		
189	13.3	7.9	18.3
160	14.8	9.1	21.3



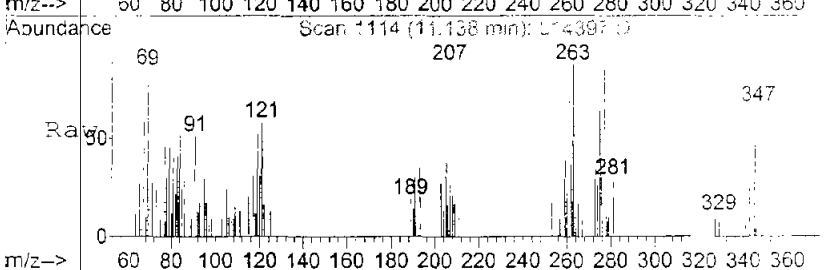


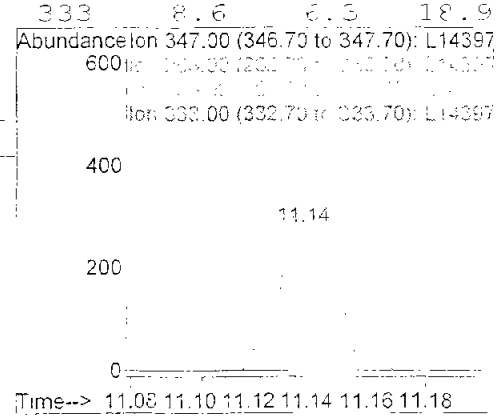


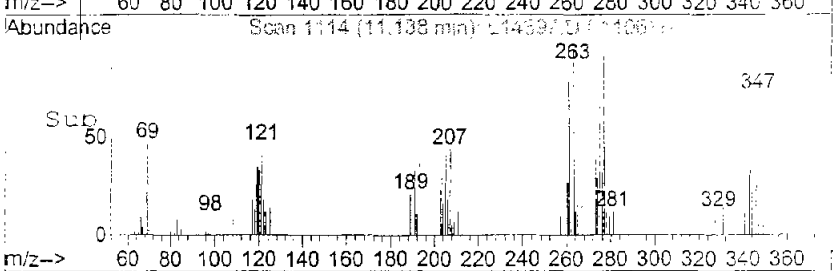
#2
Tripentyltin (S)
Concen: 0.72 PG/UL
RT: 11.14 min Scan# 1114
Delta R.T. -0.02 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

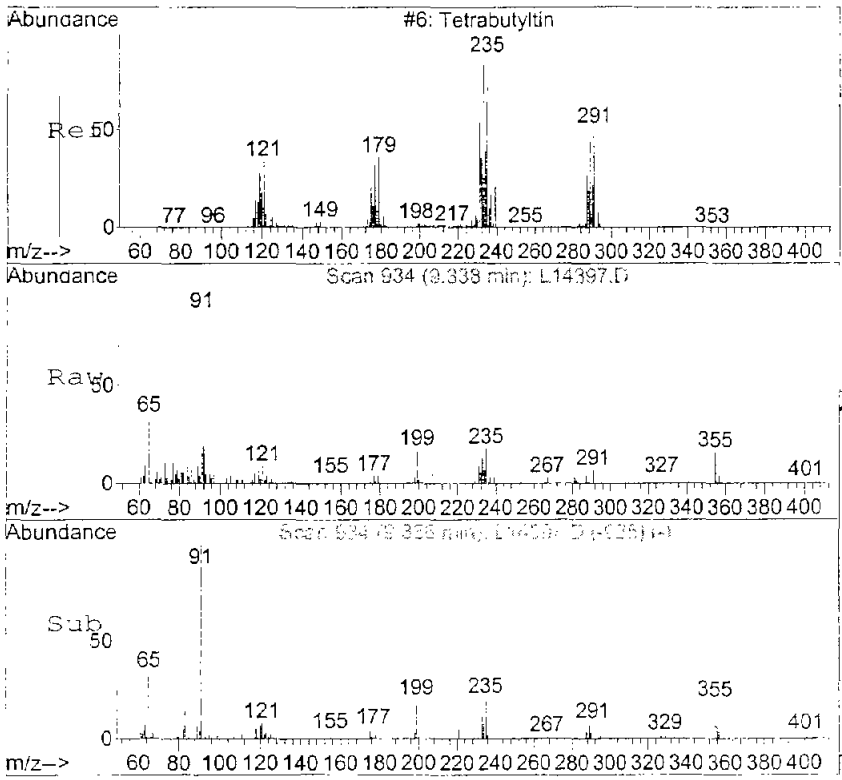
Tgt Ion:347 Resp: 963

Ion	Ratio	Lower	Upper
347	100		
263	55.8	17.0	68.0
193	22.6	10.1	30.3
333	8.6	6.3	18.9





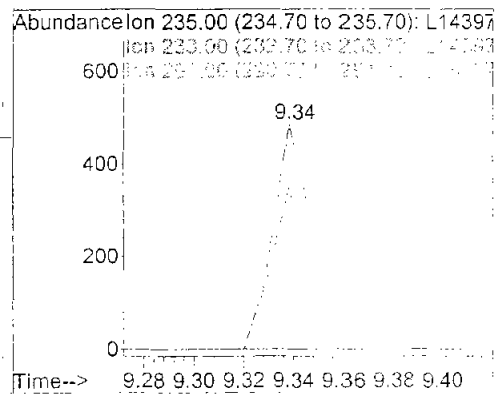


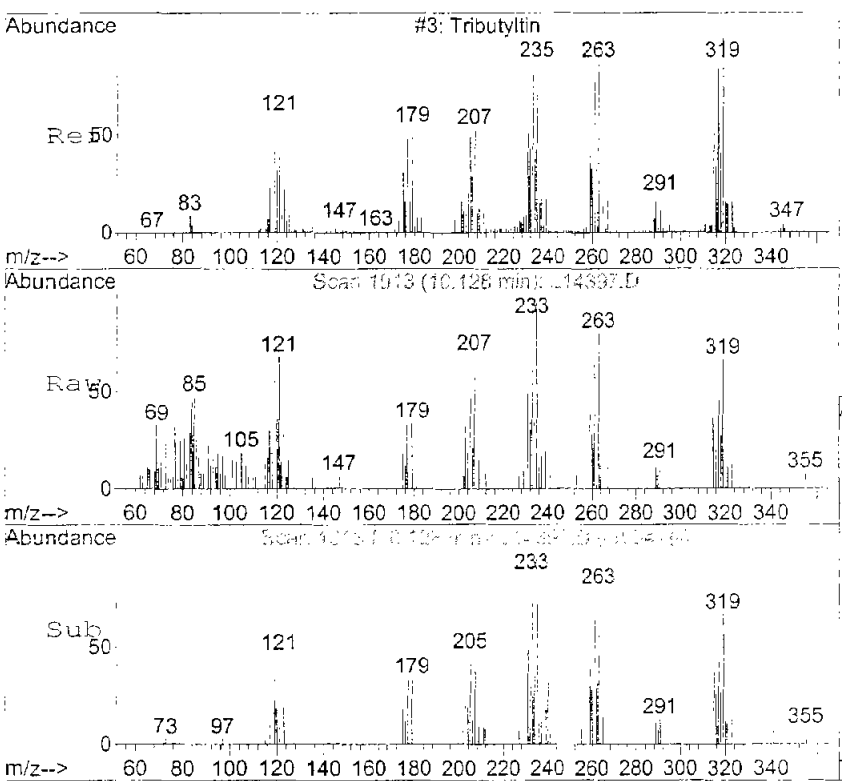


#3
Tetrabutyltin
Concen: 1.00 PG/UL
RT: 9.34 min Scan# 934
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

Tgt Ion:235 Resp: 1165

Ion	Ratio	Lower	Upper
235	100		
233	30.3	24.5	45.5
291	15.7	15.6	29.0

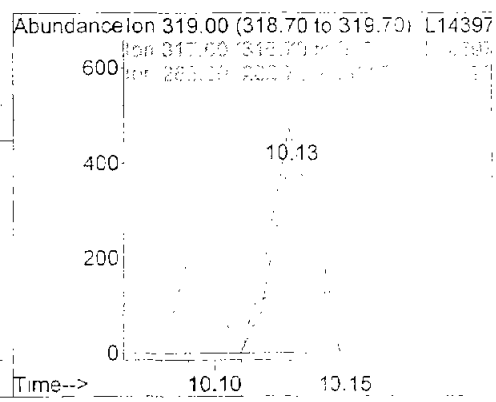


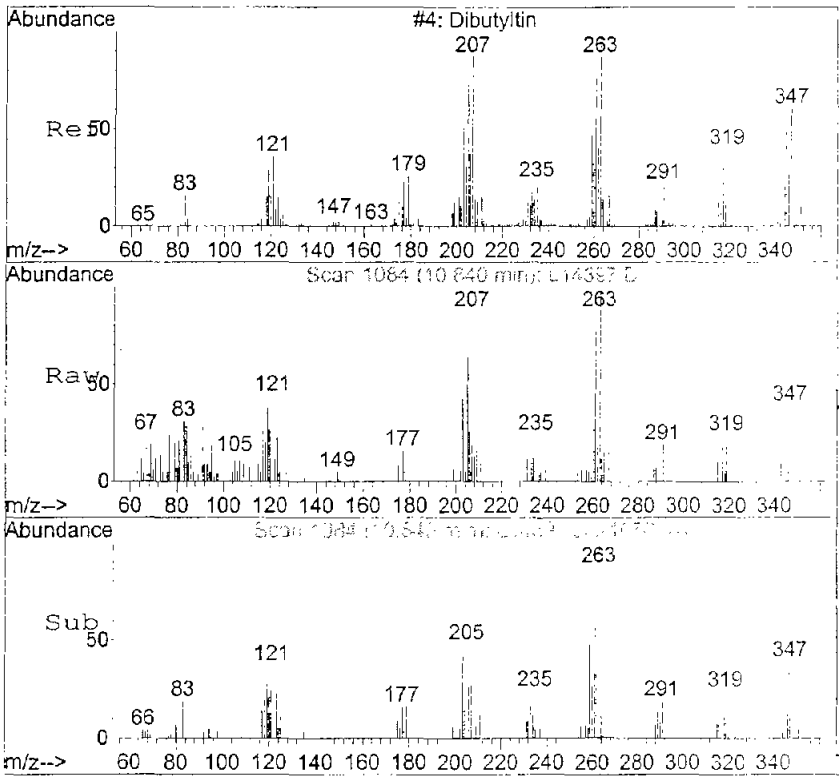


#4
Tributyltin
Concen: 0.63 PG/UL
RT: 10.13 min Scan# 1013
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

Tgt Ion:319 Resp: 1316

Ion	Ratio	Lower	Upper
319	100		
317	24.7	20.5	38.1
263	40.6	23.0	42.8

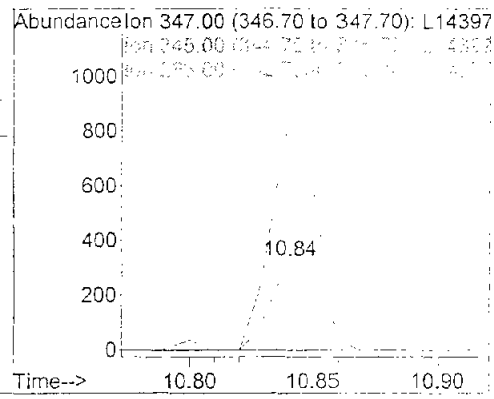


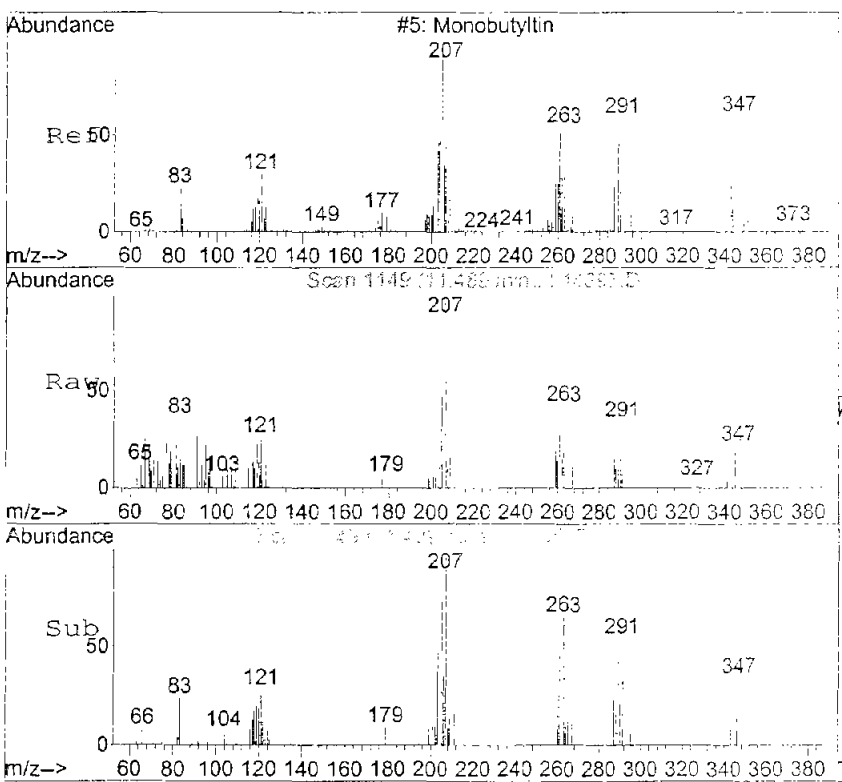


#5
Dibutyltin
Concen: 0.56 PG/UL
RT: 10.84 min Scan# 1084
Delta R.T. -0.02 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

Tgt Ion:347 Resp: 1526

Ion	Ratio	Lower	Upper
347	100		
345	21.1	20.9	38.7
263	72.1	42.9	79.7

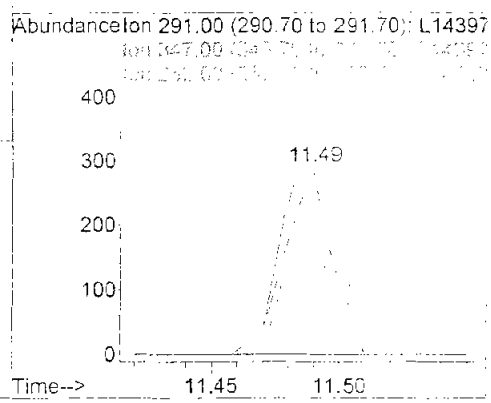




#6
Monobutyltin
Concen: 0.35 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

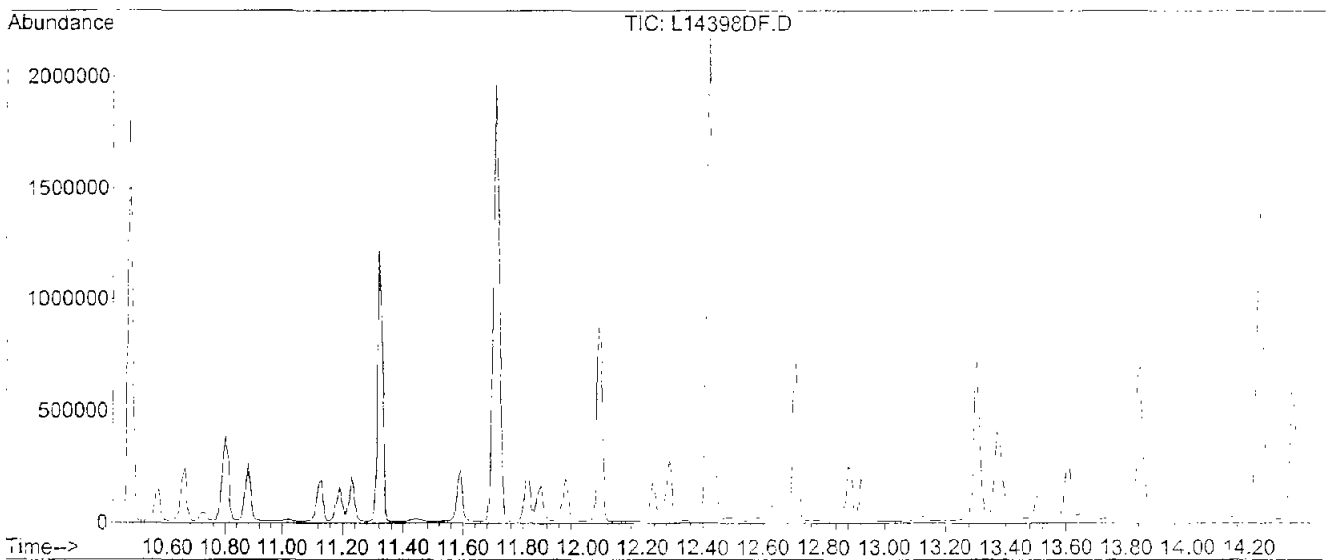
Tgt Ion:291 Resp: 1113

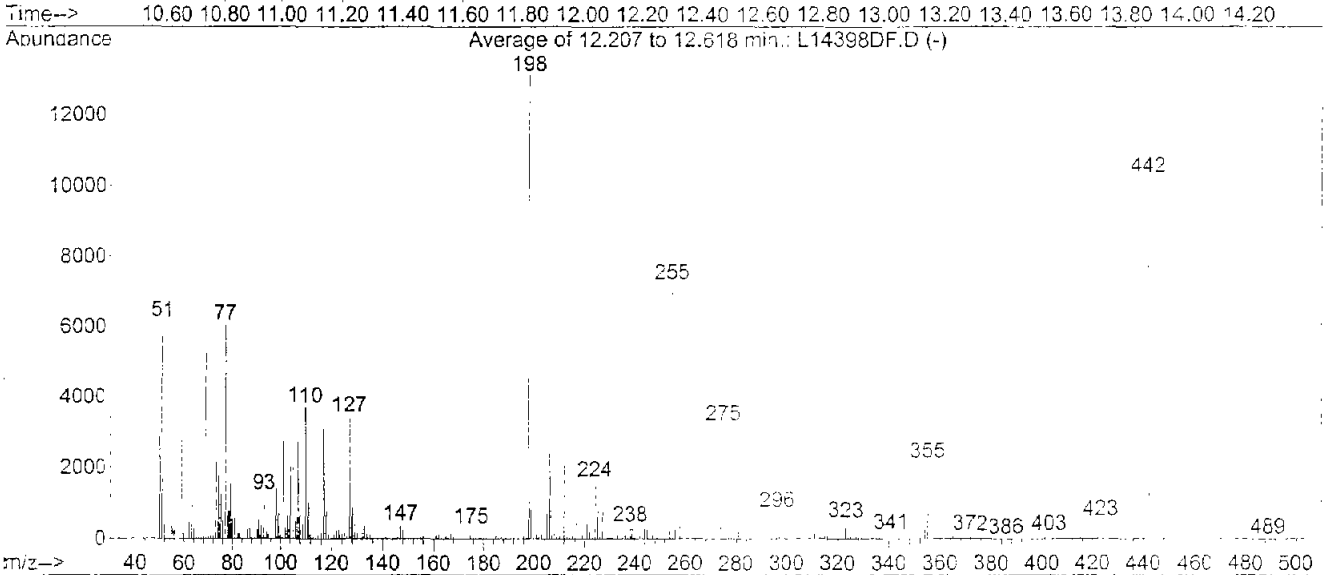
Ion	Ratio	Lower	Upper
291	100		
347	22.1	22.8	42.4#
263	44.4	22.7	42.3#



DFTPP

Data File : T:\DATA\11292004\L14398DF.D Vial: 0
Acq On : 24 Nov 2004 14:45 Operator:
Sample : 2.5 NG/UL DFTPP Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN





Spectrum Information: Average of 12.207 to 12.618 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.7	6136	PASS
68	69	0.00	2	1.4	73	PASS
69	198	0.00	100	40.9	5369	PASS
70	69	0.00	2	1.2	66	PASS
127	198	10	80	26.1	3433	PASS
197	198	0.00	1	0.1	9	PASS
198	198	50	100	100.0	13138	PASS
199	198	5	9	6.2	812	PASS
275	198	10	60	24.4	3202	PASS
365	198	1	100	2.8	368	PASS
441	443	0.01	100	70.3	1314	PASS
442	198	50	100	77.9	10233	PASS
443	442	15	24	18.3	1869	PASS

L14398DF.D ORGTIN112404.M Mon Nov 29 14:14:09 2004

Evaluate Continuing Calibration Report

Data File : T:\DATA\11292004\L14399.D Vial: 0
Acq On : 24 Nov 2004 15:09 Operator:
Sample : 100 PG/UL ORGTIN CCAL 979-33-60CS Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 400%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Phenanthrene D10 (I)	1.000	1.000	0.0	97	0.00
2	S	Tripentyltin (S)	1.091	1.135	-4.0	92	-0.01
3	T	Tetrabutyltin	0.973	0.937	3.7	93	0.00
4	T	Tributyltin	1.695	1.751	-3.3	98	0.00
5	T	Dibutyltin	2.262	2.202	2.7	91	0.00
6	T	Monobutyltin	2.566	2.675	-4.2	99	0.00

Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14399.D Vial: 0
Acq On : 24 Nov 2004 15:09 Operator:
Sample : 100 PG/UL ORGTIN CCAL 979-33-60CS Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:14:26 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration
DataAcq Meth :

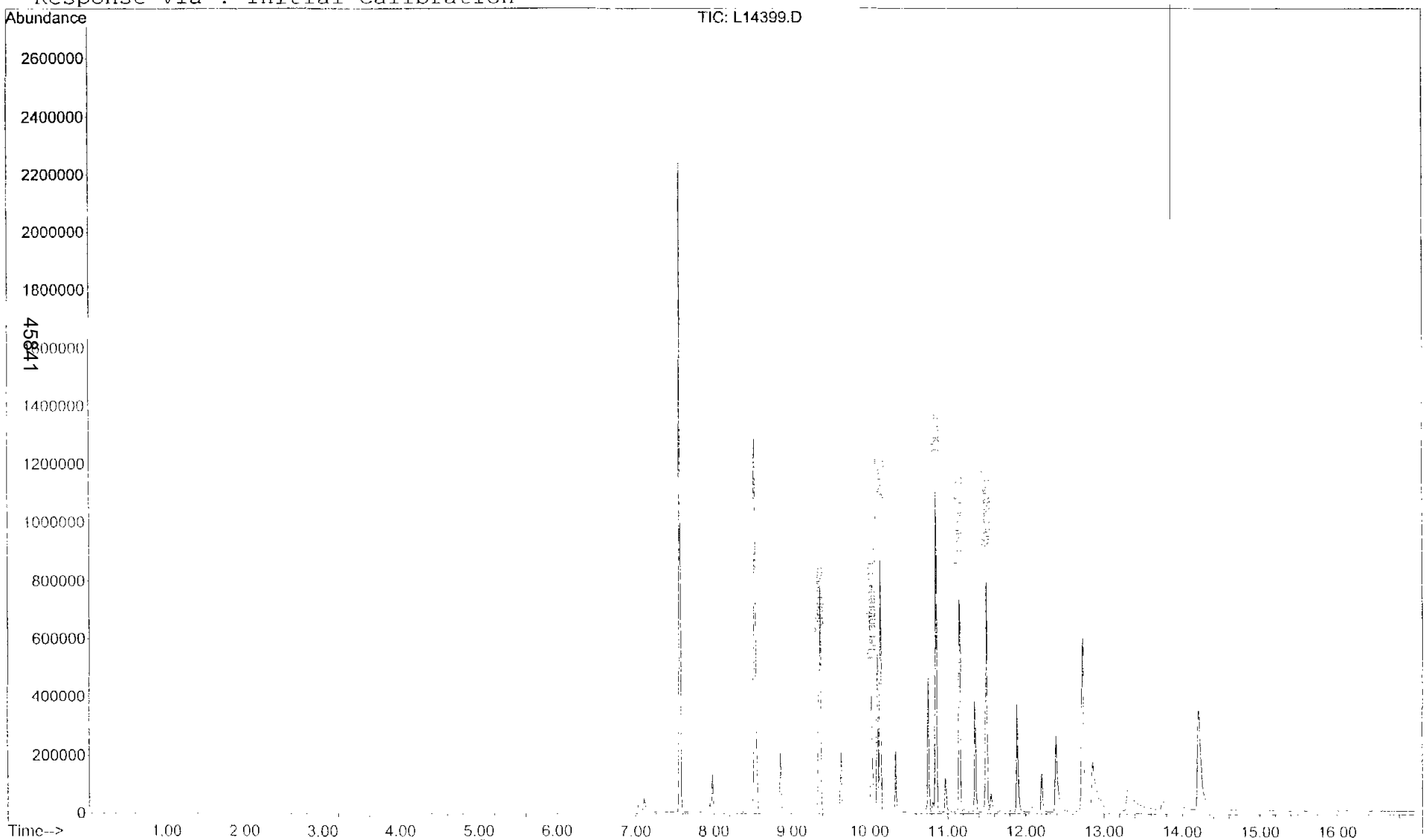
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	119449+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	107743-	82.69	PG/UL	-0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	111884+	96.29	PG/UL	99
4) Tributyltin	10.14	319	153272+	75.71	PG/UL	98
5) Dibutyltin	10.86	347	151766+	56.17	PG/UL	98
6) Monobutyltin	11.50	291	130069+	42.43	PG/UL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
L14399.D ORGTIN112404.M Mon Nov 29 14:14:53 2004 Page 1

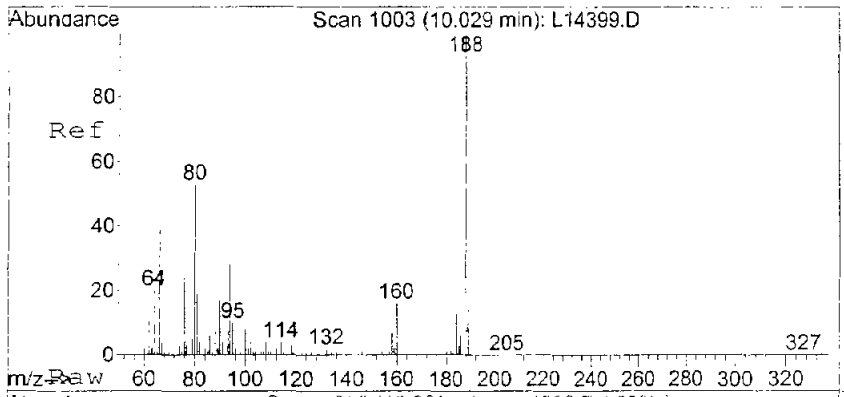
Quantification Report (Not Reviewed)

Data File : T:\DATA\11292004\L14399.D Vial: 0
Acq On : 24 Nov 2004 15:09 Operator:
Sample : 100 PG/UL ORGTIN CCAL 979-33-6OCS Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:14 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



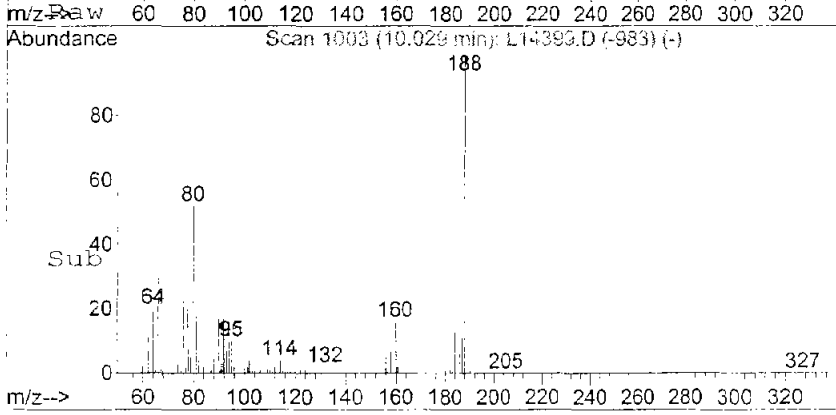
45841

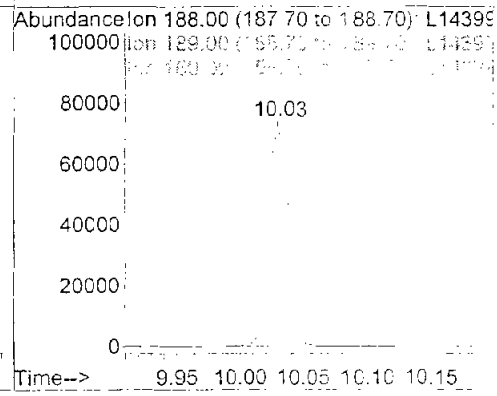


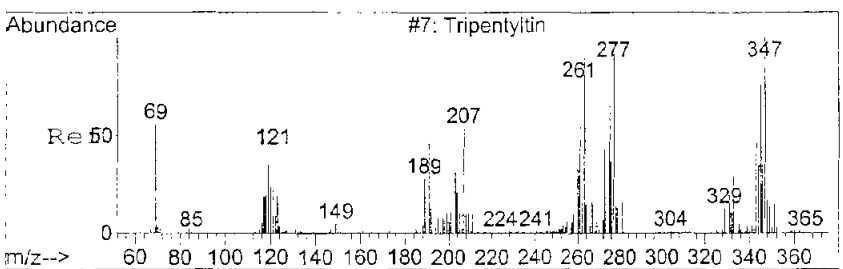
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. -0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:188 Resp: 119449

Ion	Ratio	Lower	Upper
188	100		
189	12.1	7.9	18.3
160	13.8	9.1	21.3



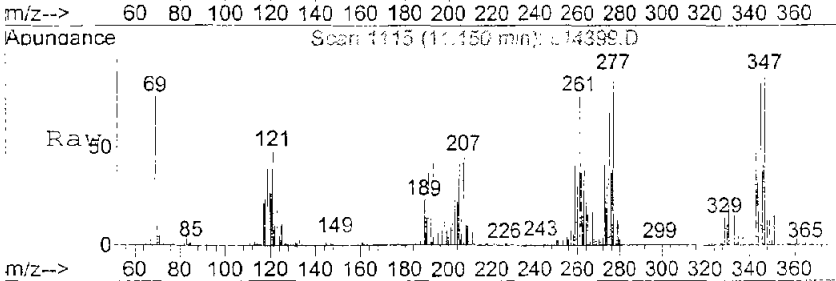


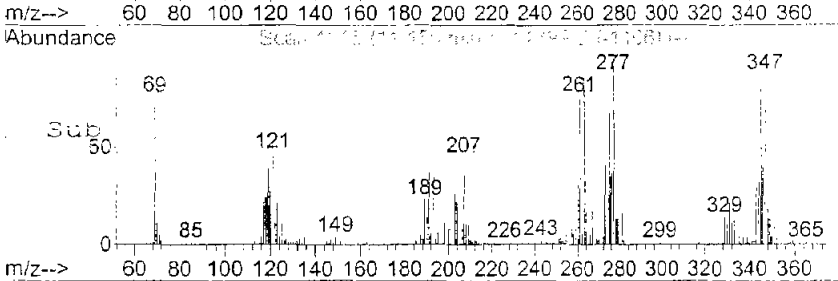


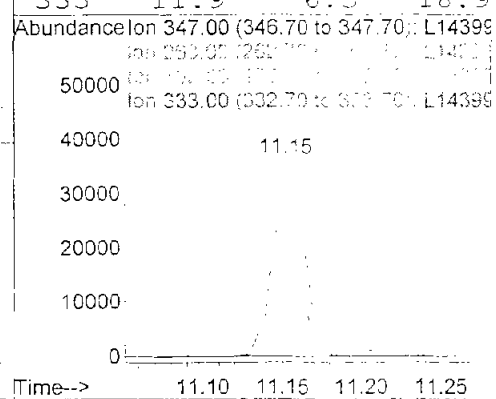
#2
Tripentyltin (S)
Concen: 82.69 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

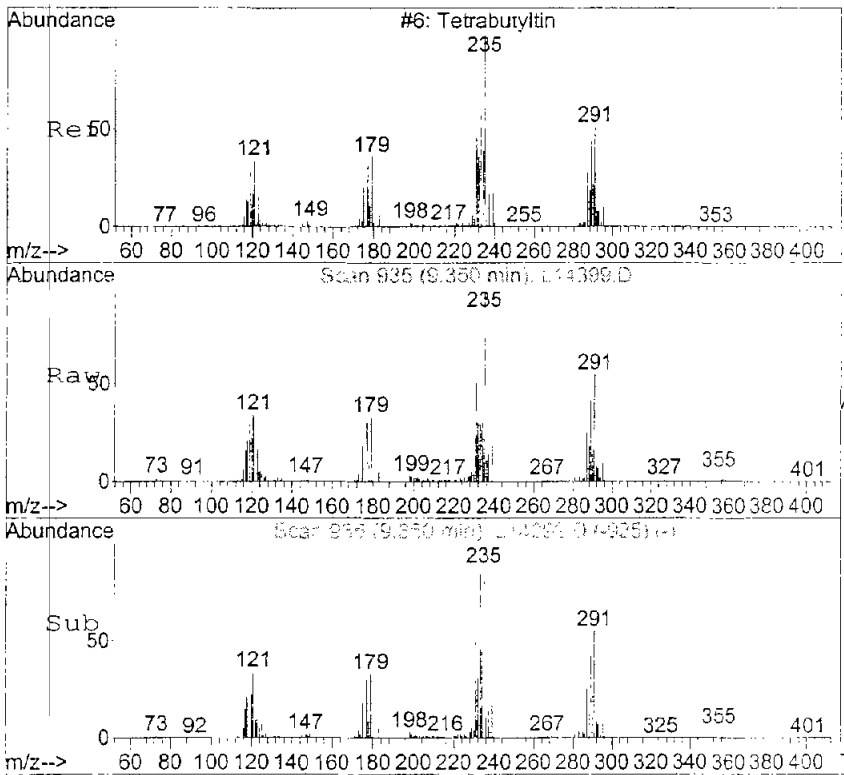
Tgt Ion:347 Resp: 107743

Ion	Ratio	Lower	Upper
347	100		
263	43.0	17.0	68.0
193	21.6	10.1	30.3
333	11.9	6.3	18.9





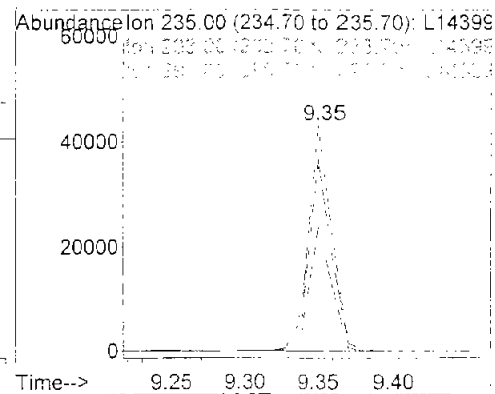


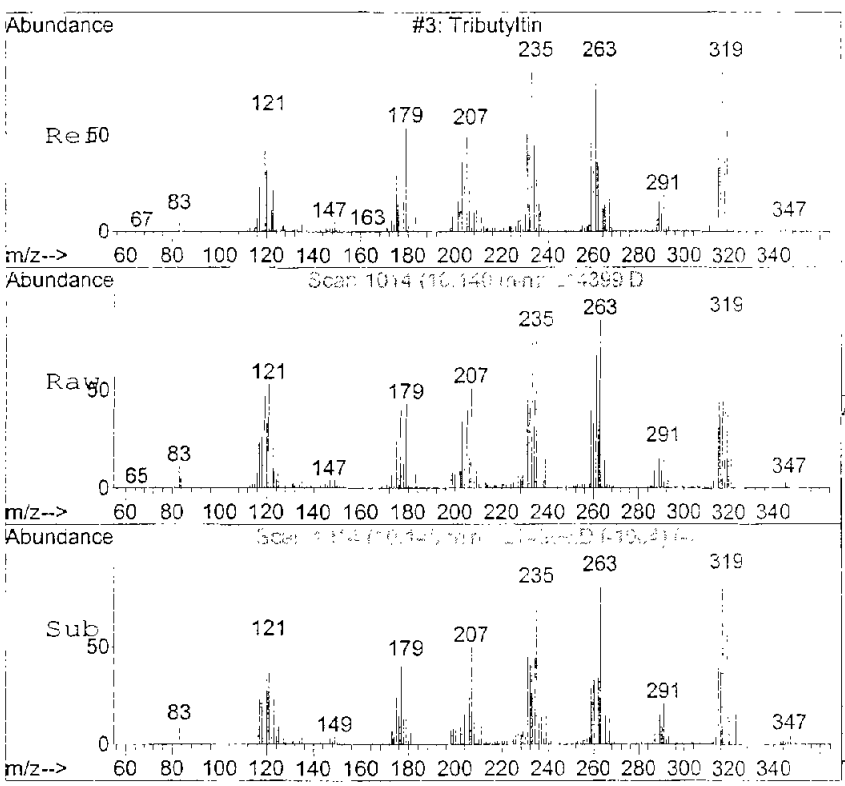


#3
Tetrabutyltin
Concen: 96.29 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:235 Resp: 111884

Ion	Ratio	Lower	Upper
235	100		
233	34.7	24.5	45.5
291	23.2	15.6	29.0

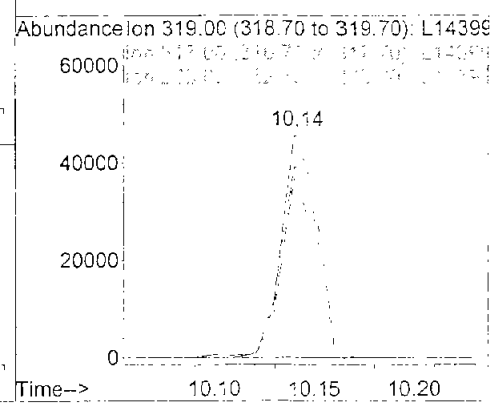


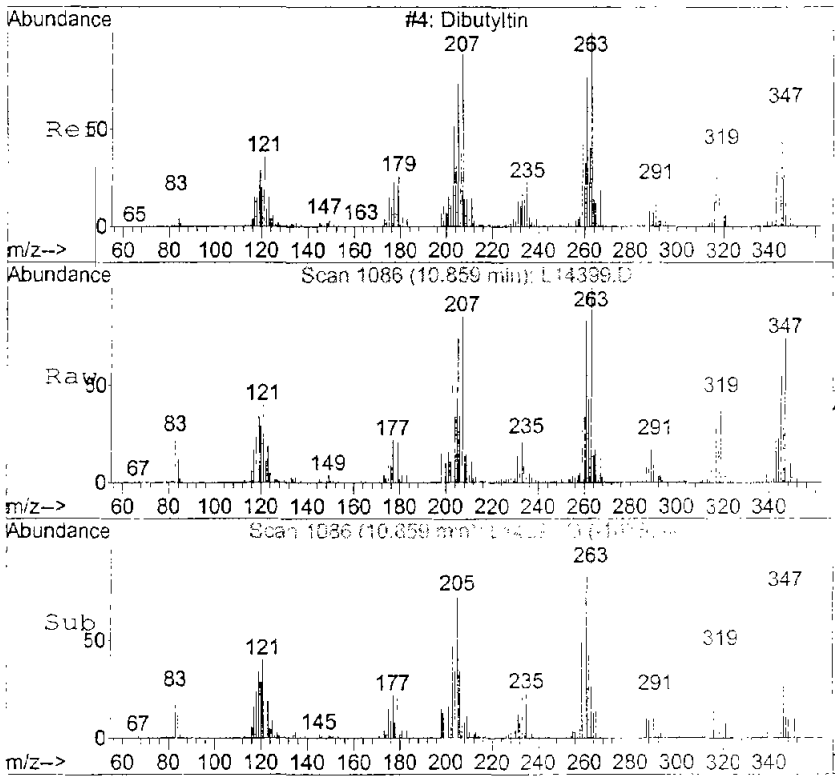


#4
Tributyltin
Concen: 75.71 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:319 Resp: 153272

Ion	Ratio	Lower	Upper
319	100		
317	28.7	20.5	38.1
263	34.4	23.0	42.8

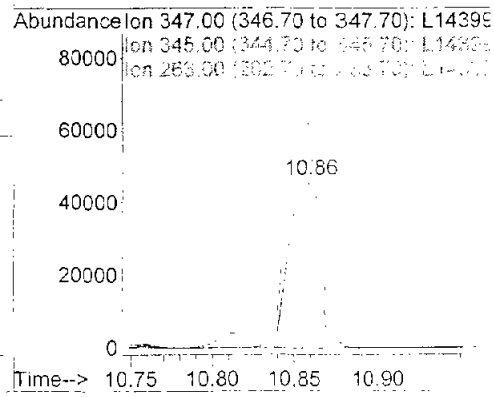


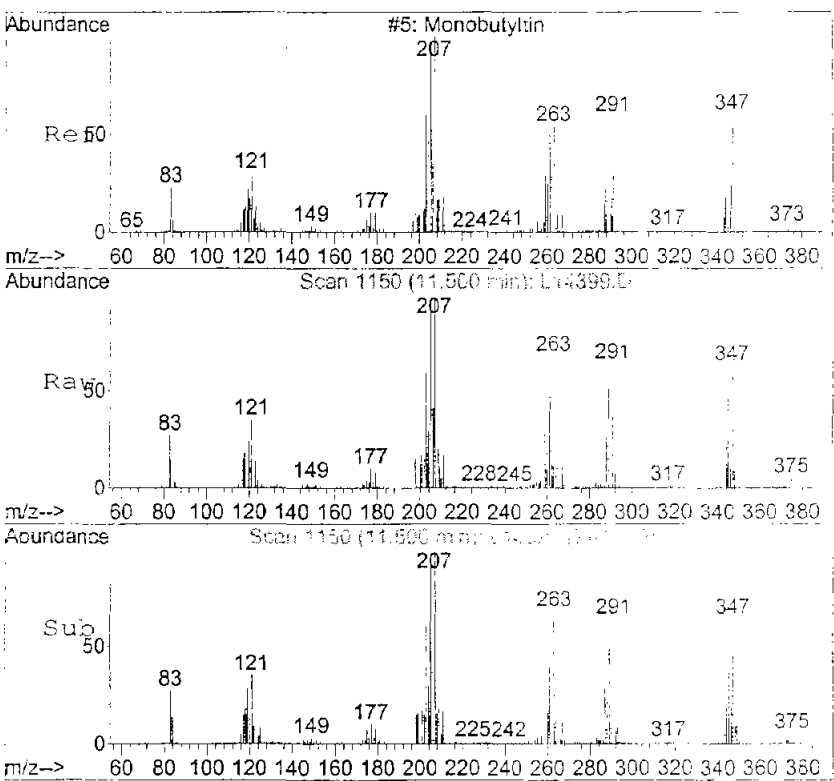


#5
Dibutyltin
Concen: 56.17 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:347 Resp: 151766

Ion	Ratio	Lower	Upper
347	100		
345	31.5	20.9	38.7
263	61.8	42.9	79.7

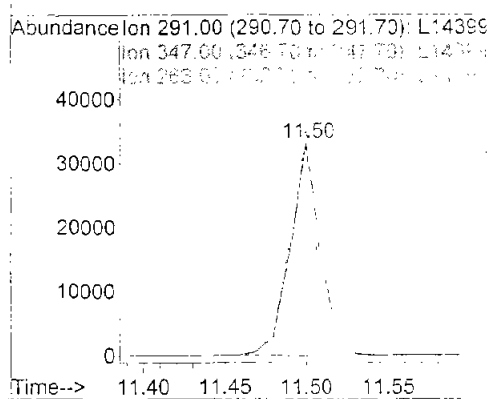




#6
Monobutyltin
Concen: 42.43 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:291 Resp: 130069

Ion	Ratio	Lower	Upper
291	100		
347	31.5	22.8	42.4
263	34.1	22.7	42.5



Quantitation Report (Not Reviewed)

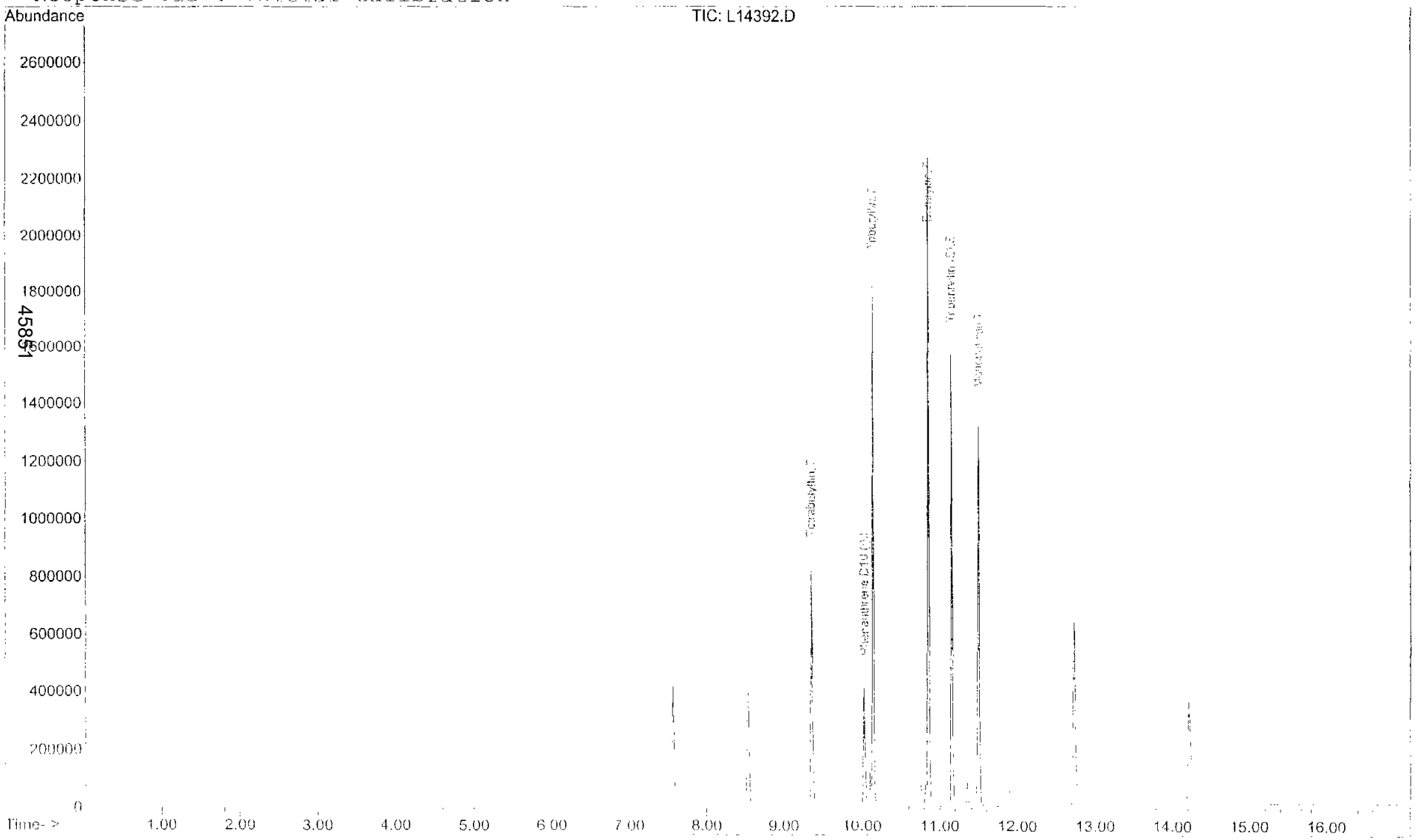
Data File : T:\DATA\11292004\L14392.D Vial: 0
Acq On : 24 Nov 2004 11:53 Operator:
Sample : 200 PG/UL ORGTIN ICAL 979-33-3A Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58:23 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:58:19 2004
Response via : Initial Calibration
DataAcq Meth :

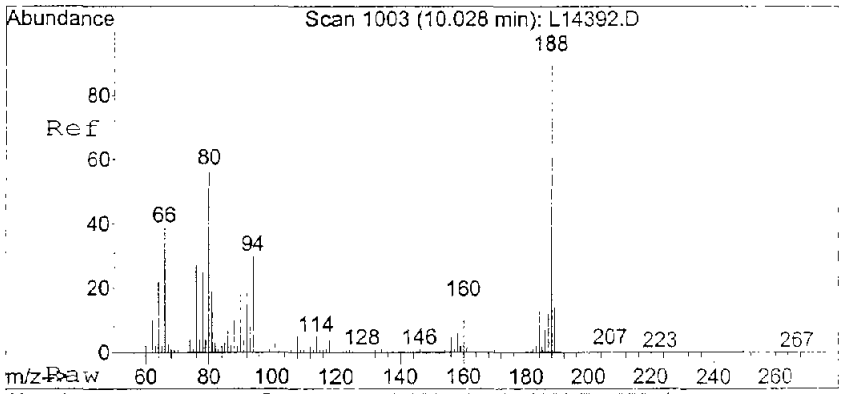
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	127423+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	209953+	159.00	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	226578+	200.00	PG/UL	98
4) Tributyltin	10.14	319	308607+	146.60	PG/UL	96
5) Dibutyltin	10.85	347	283567+	115.40	PG/UL	89
6) Monobutyltin	11.50	291	239816+	81.40	PG/UL	95

Data File : T:\DATA\112920 04\L14392.D Vial: 0
Acq On : 24 Nov 2004 11:53 Operator:
Sample : 200 PG/UL ORGTIN ICAL 979-33-3A Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



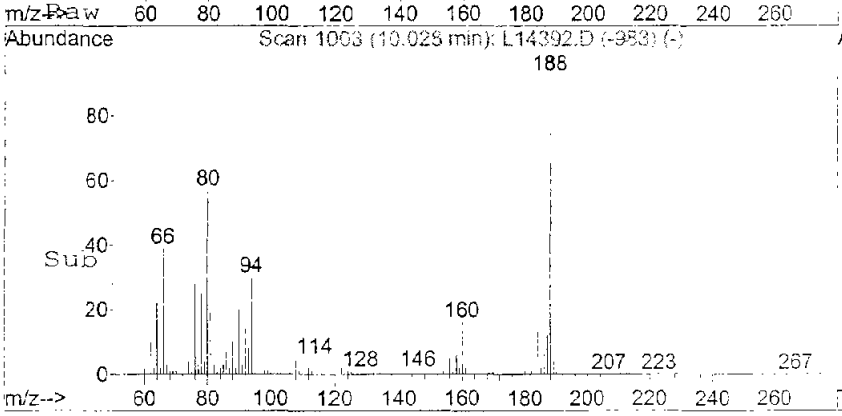
45851
00605

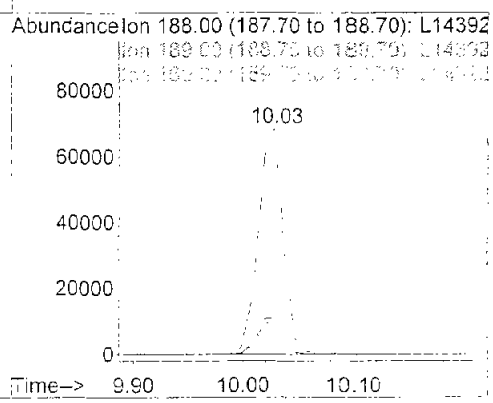


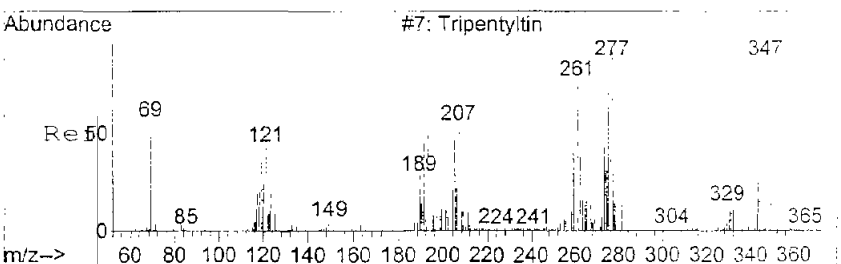
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:188 Resp: 127423

Ion	Ratio	Lower	Upper
188	100		
189	12.6	7.3	16.9
160	15.0	8.5	19.7



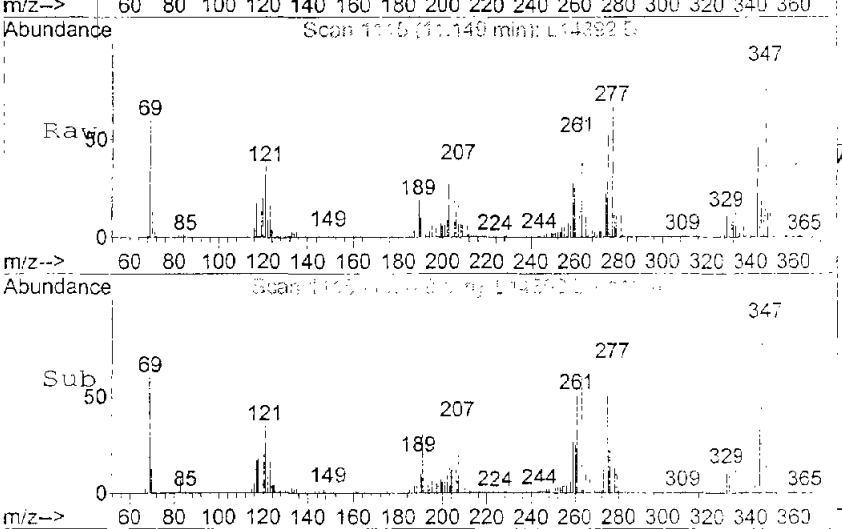


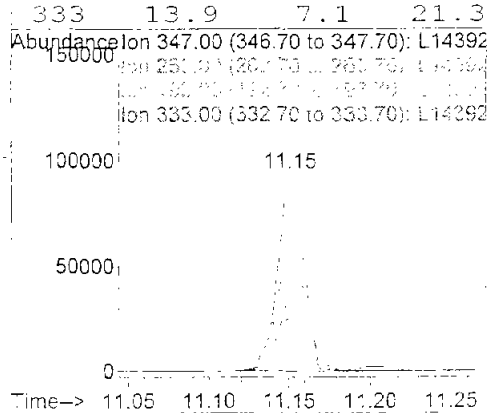


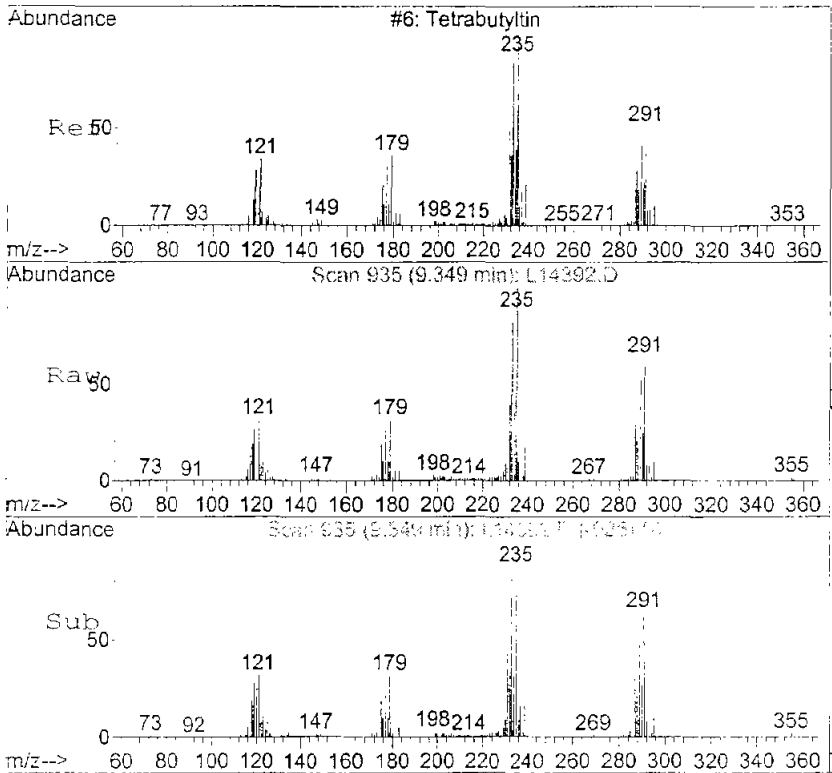
#2
Tripentyltin (S)
Concen: 159.00 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:347 Resp: 209953

Ion	Ratio	Lower	Upper
347	100		
263	35.9	13.2	52.8
193	19.6	9.3	27.7
333	13.9	7.1	21.3



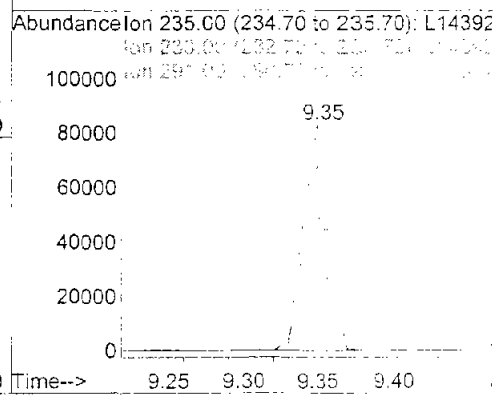


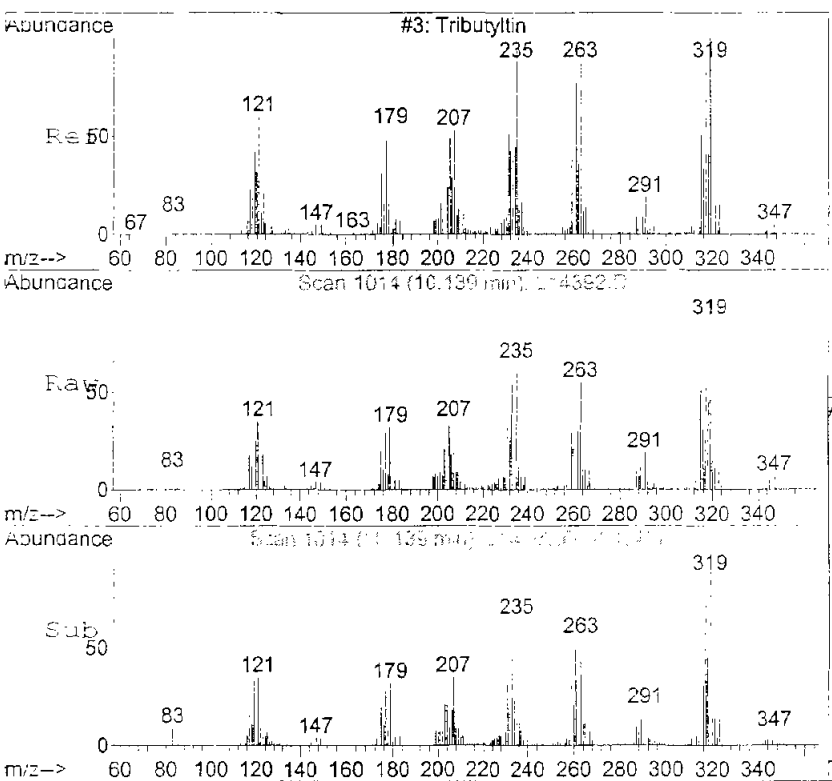


#3
Tetrabutyltin
Concen: 200.00 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:235 Resp: 226578

Ion	Ratio	Lower	Upper
235	100		
233	33.9	23.4	43.4
291	24.8	18.2	33.8

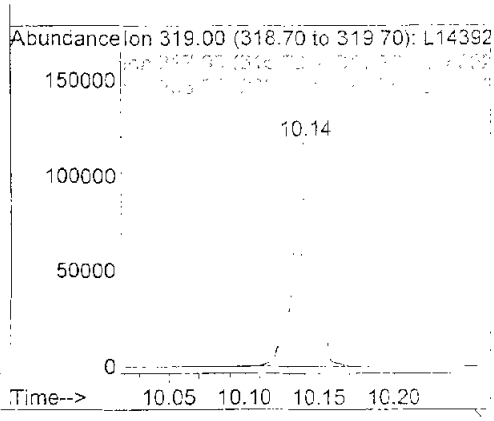


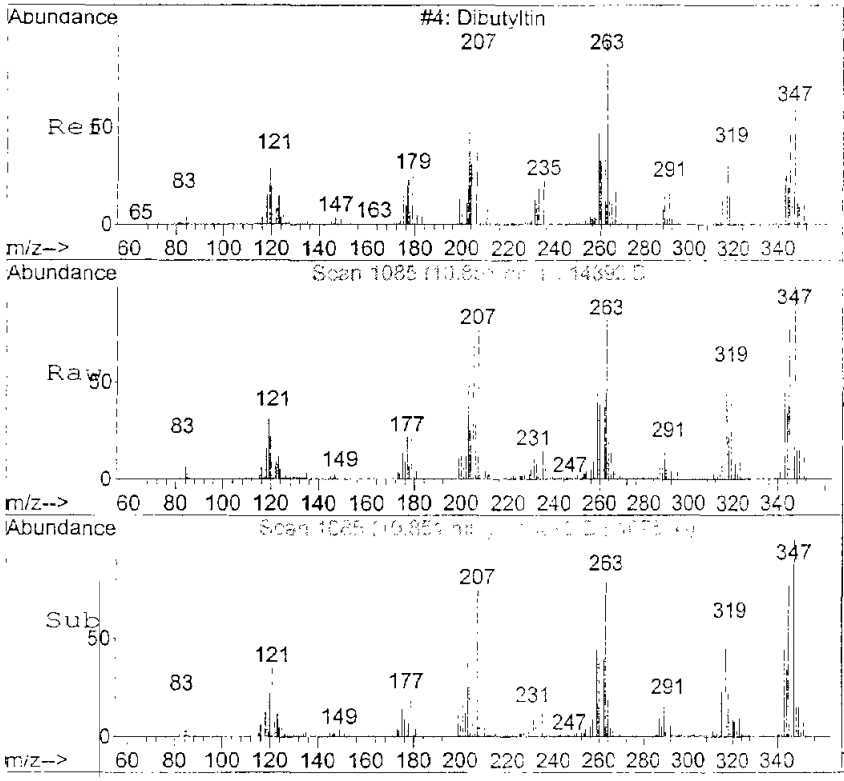


#4
Tributyltin
Concen: 146.60 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:319 Resp: 306607

Ion	Ratio	Lower	Upper
319	100		
317	31.7	22.9	42.5
263	27.7	16.7	31.1

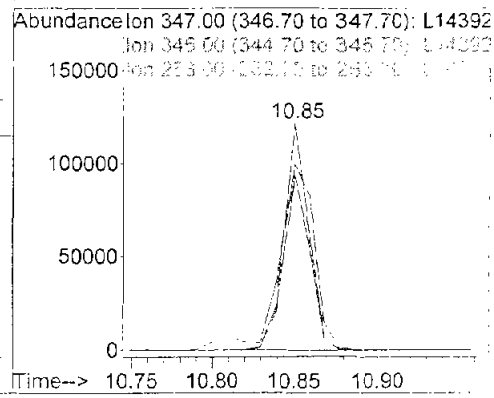


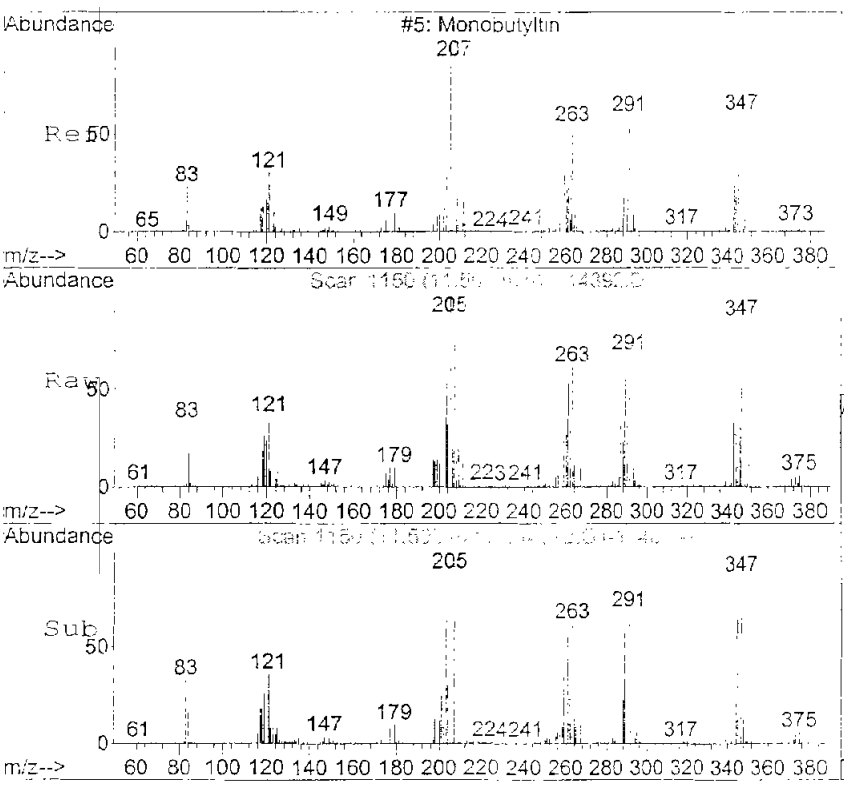


#5
Dibutyltin
Concen: 115.40 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:347 Resp: 283567

Ion	Ratio	Lower	Upper
347	100		
345	37.5	29.8	55.3
263	54.0	31.6	58.6

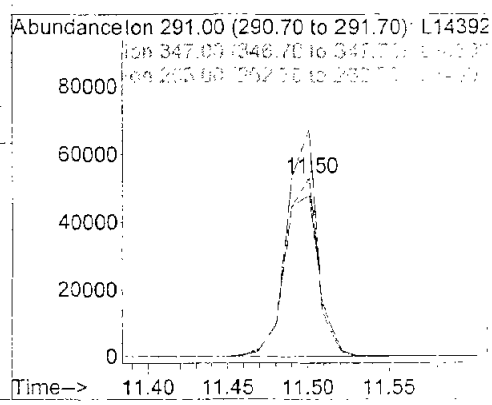




#6
Monobutyltin
Concen: 81.40 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

Tgt Ion:291 Resp: 239816

Ion	Ratio	Lower	Upper
291	100		
347	36.7	27.9	51.9
263	30.9	19.9	37.0



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14393.D Vial: 0
Acq On : 24 Nov 2004 12:17 Operator:
Sample : 100 PG/UL ORGTIN ICAL 979-33-3B Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58:38 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:58:31 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	123593+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.16	347	117104+	91.43	PG/UL	0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	120801+	109.94	PG/UL	95
4) Tributyltin	10.14	319	157126+	76.95	PG/UL	89
5) Dibutyltin	10.86	347	166040+	69.67	PG/UL	78
6) Monobutyltin	11.50	291	132010+	46.20	PG/UL	90

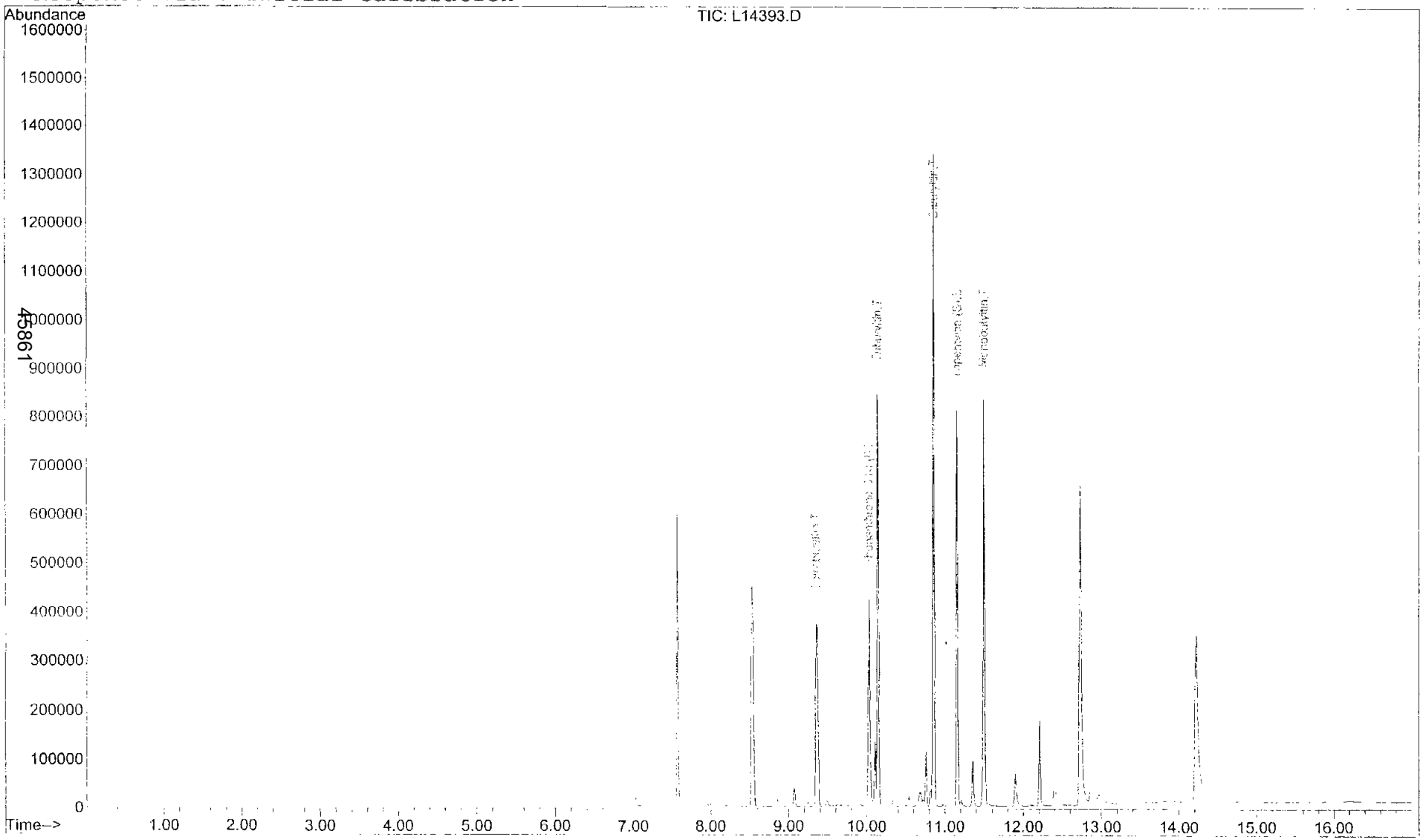
Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14393.D
Acq On : 24 Nov 2004 12:17
Sample : 100 PG/UL ORGTIN ICAL 979-33-3B
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58 2004

Vial: 0
Operator:
Inst :
Multiplr: 1.00

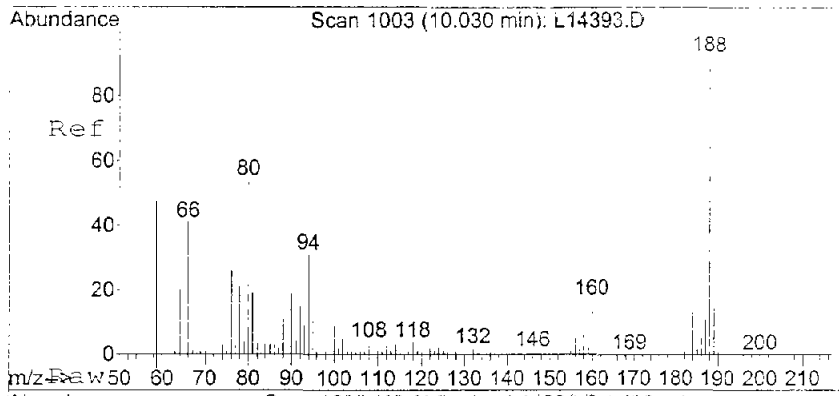
Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



45861

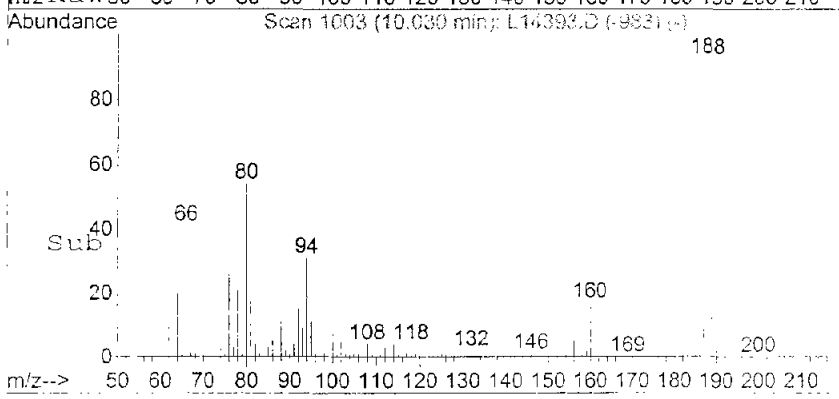
01600

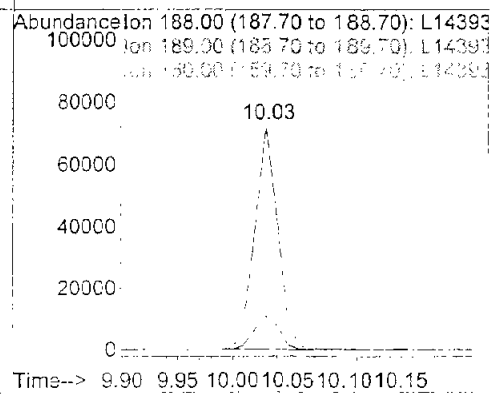


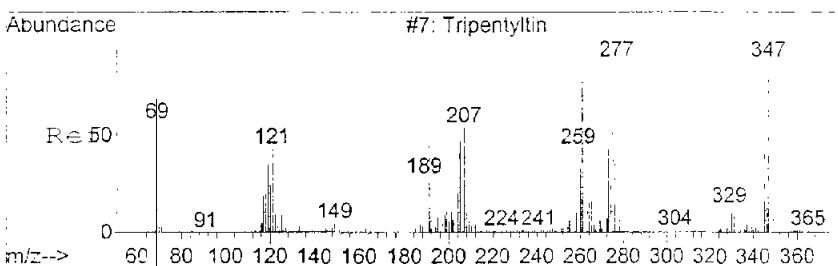
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. 0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

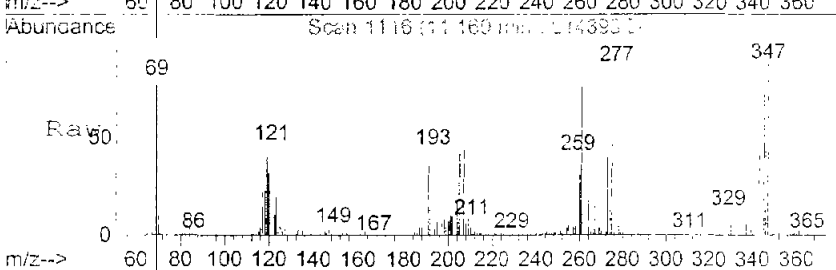
Tgt Ion:188 Resp: 123593

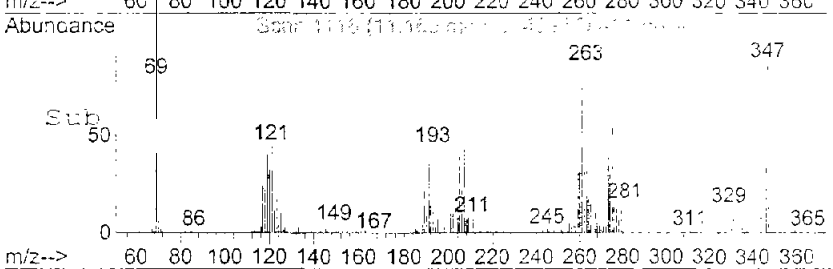
Ion	Ratio	Lower	Upper
188	100		
189	13.1	7.3	16.9
160	15.2	8.5	19.7







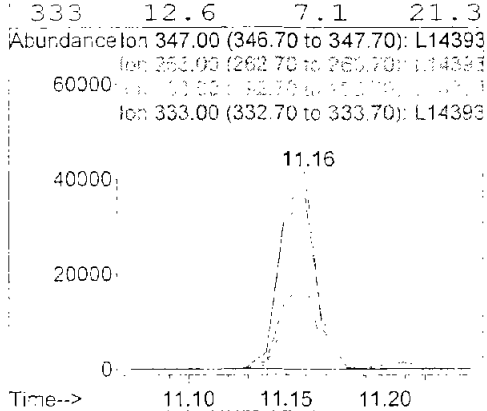


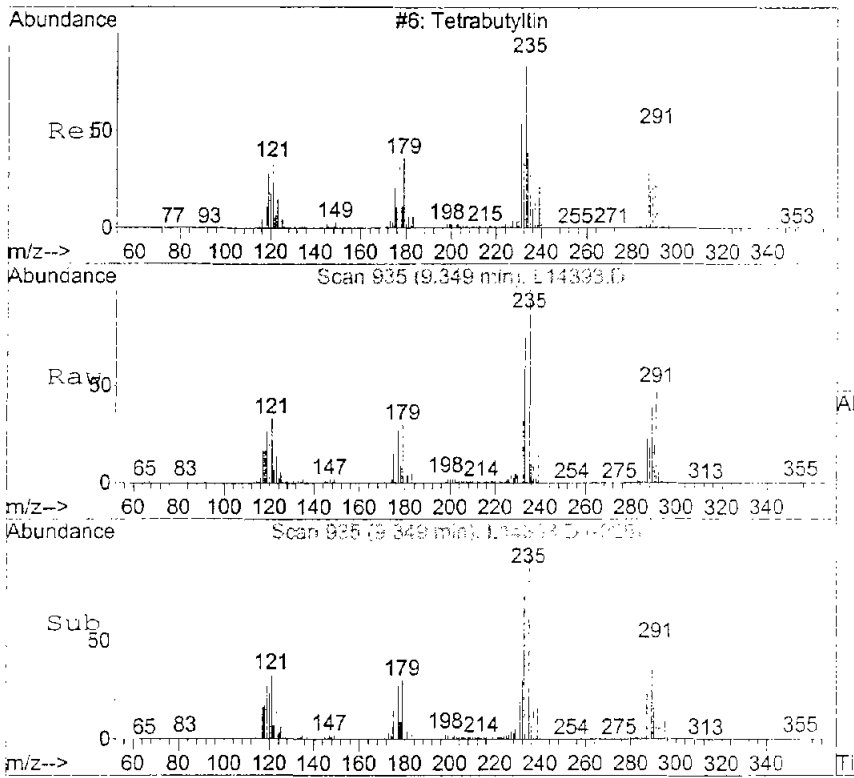


#2
Tripentyltin (S)
Concen: 91.43 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. 0.01 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:347 Resp: 117104

Ion	Ratio	Lower	Upper
347	100		
263	42.5	13.2	52.8
193	20.2	9.3	27.7
333	12.6	7.1	21.3

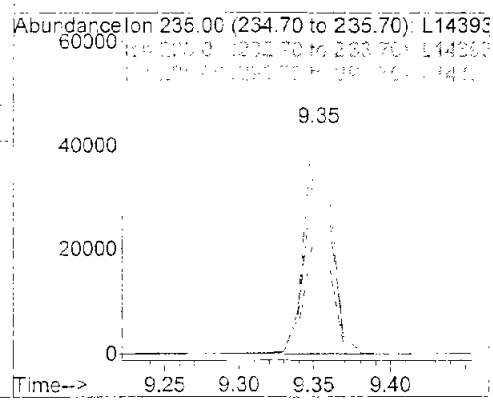


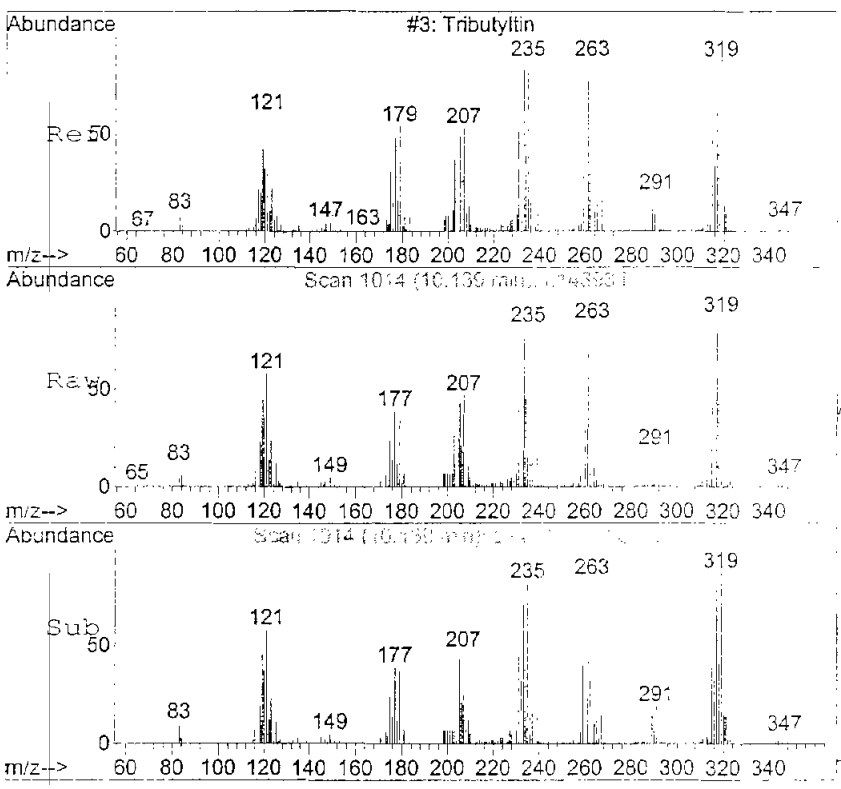


#3
Tetrabutyltin
Concen: 109.94 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:235 Resp: 120801

Ion	Ratio	Lower	Upper
235	100		
233	35.0	23.4	43.4
291	22.3	18.2	33.8

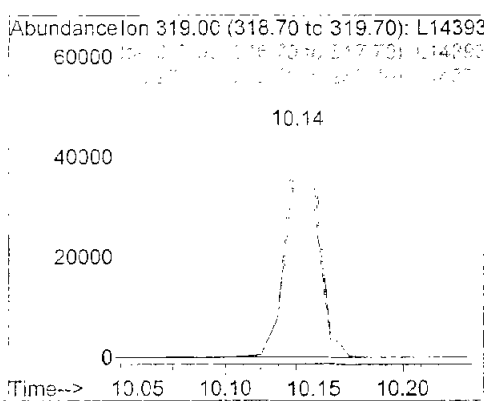


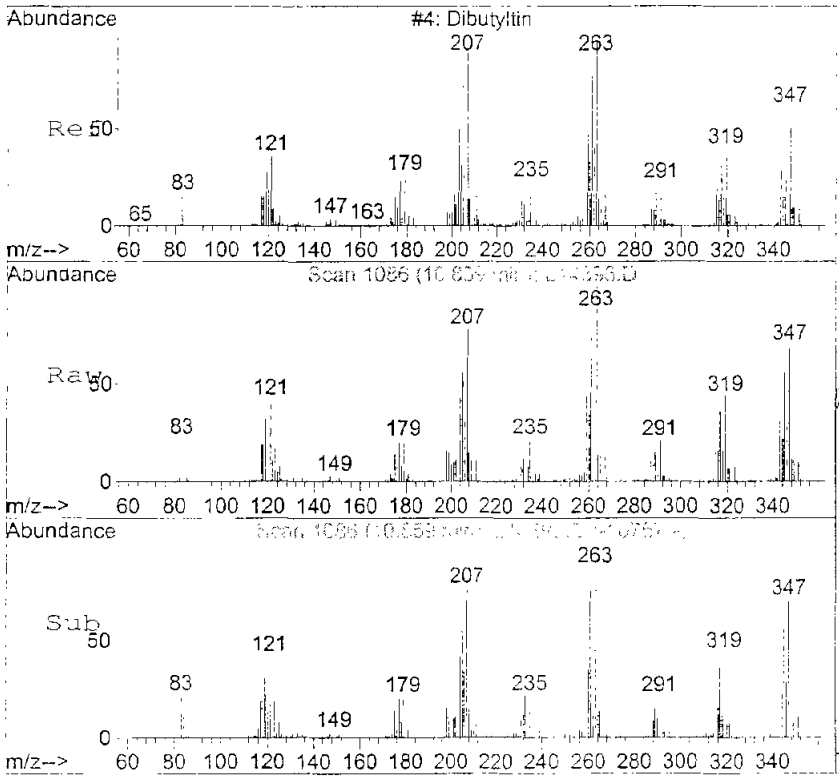


#4
Tributyltin
Concen: 76.95 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:319 Resp: 157126

Ion	Ratio	Lower	Upper
319	100		
317	29.3	22.9	42.5
263	32.9	16.7	31.1#

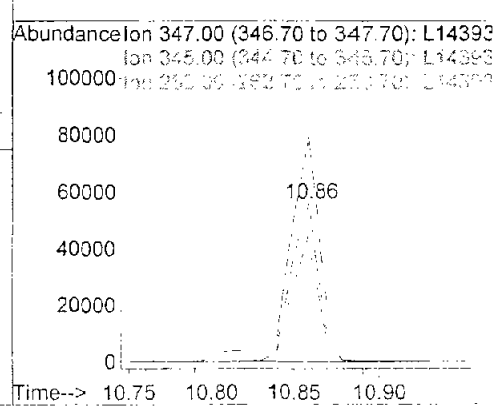


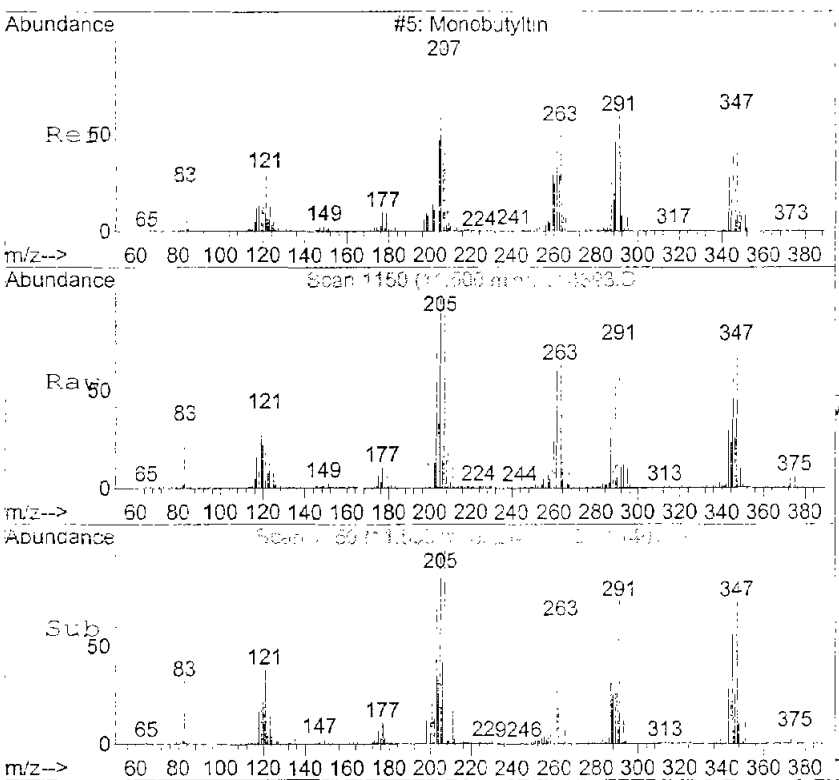


#5
Dibutyltin
Concen: 69.67 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.01 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:347 Resp: 166040

Ion	Ratio	Lower	Upper
347	100		
345	29.8	29.8	55.3
263	61.3	31.6	58.6#

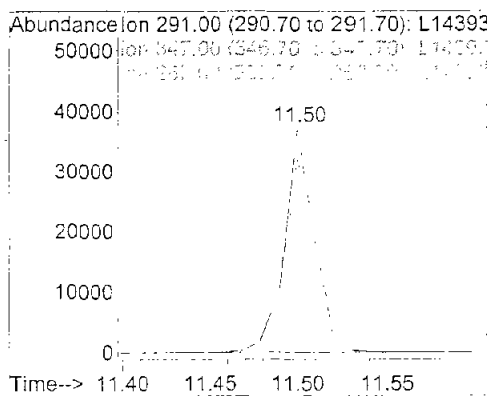




#6
Monobutyltin
Concen: 46.20 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. -0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

Tgt Ion:291 Resp: 132010

Ion	Ratio	Lower	Upper
291	100		
347	32.6	27.9	51.9
263	32.5	19.9	37.0



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14394.D Vial: 0
Acq On : 24 Nov 2004 12:41 Operator:
Sample : 50 PG/UL ORGTIN ICAL 979-33-3C Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58:59 2004 Quant Results File: ORGTIN112404.RES

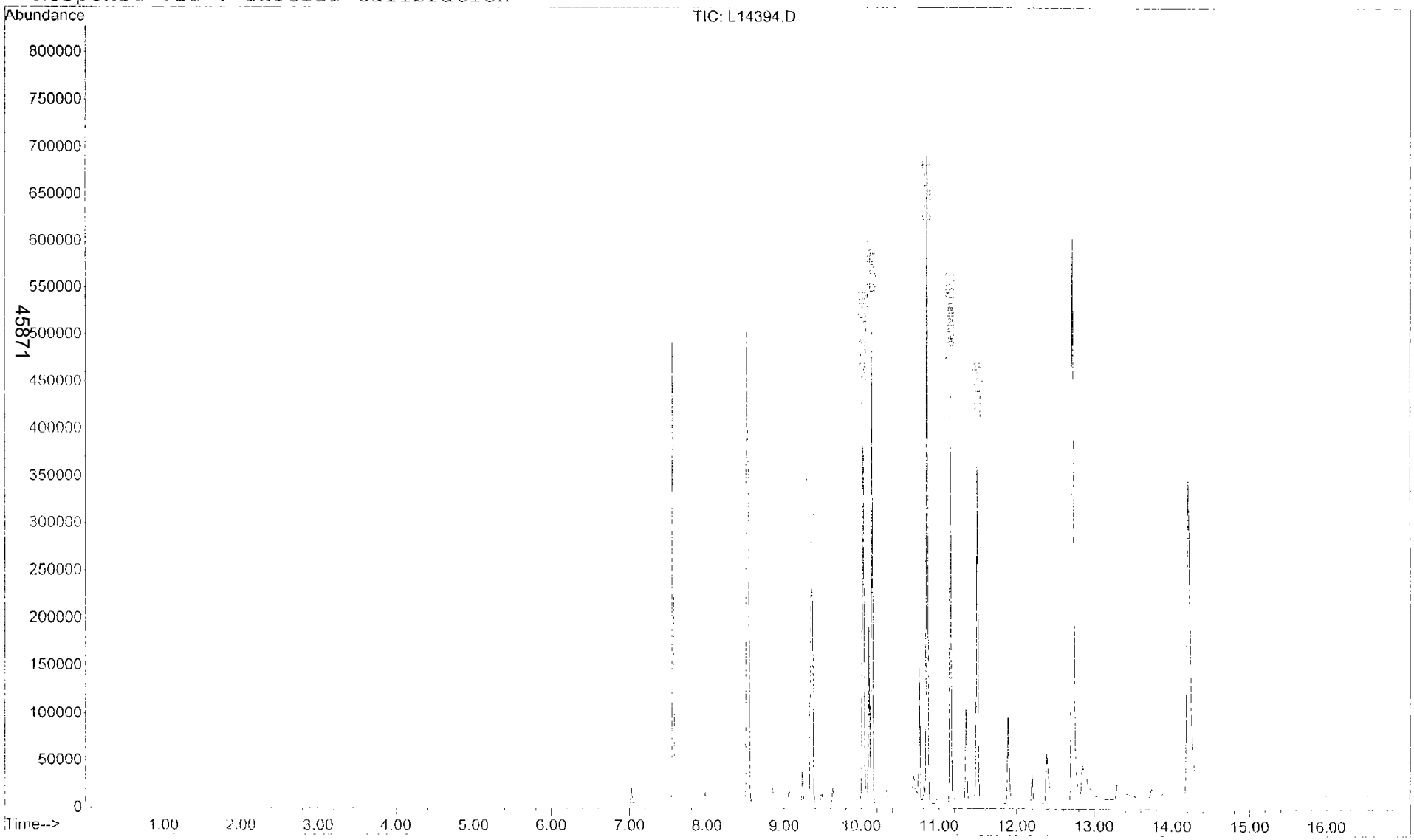
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:58:49 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.02	188	119994+	100.00	pg/ul	-0.01
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	52774+	39.48	PG/UL	-0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	62213-	55.56	PG/UL	100
4) Tributyltin	10.14	319	79456+	39.11	PG/UL	95
5) Dibutyltin	10.85	347	82769-	32.41	PG/UL	93
6) Monobutyltin	11.49	291	67247+	22.71	PG/UL	95

Quantitation Report (Not Reviewed)

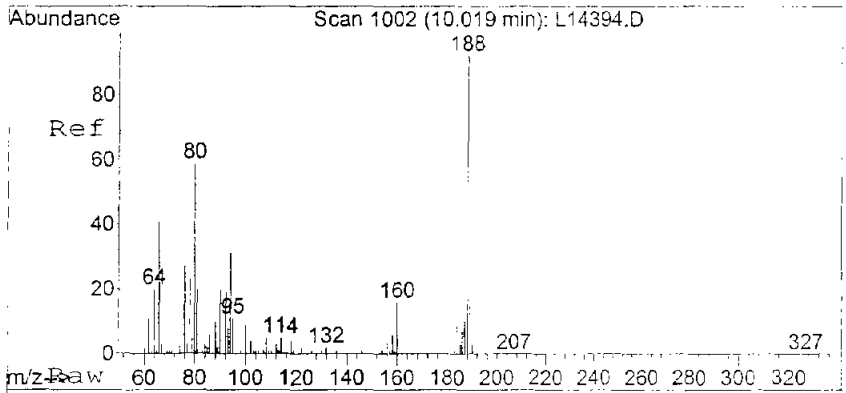
Data File : T:\DATA\11292004\L14394.D Vial: 0
Acq On : 24 Nov 2004 12:41 Operator:
Sample : 50 PG/UL ORGTIN ICAL 979-33-3C Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:58 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



45871

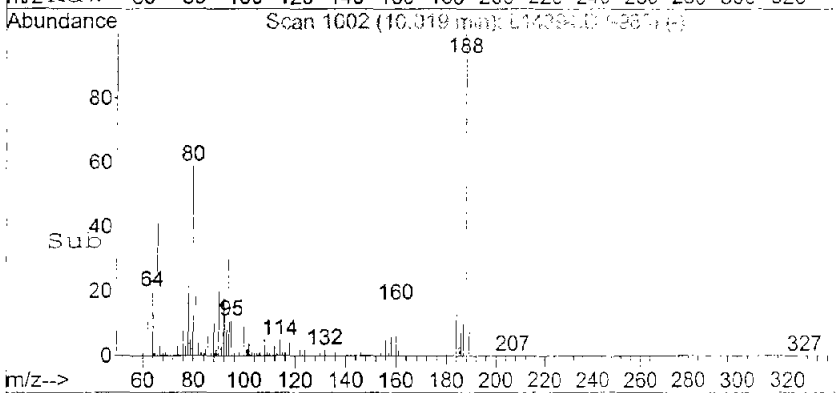
51600

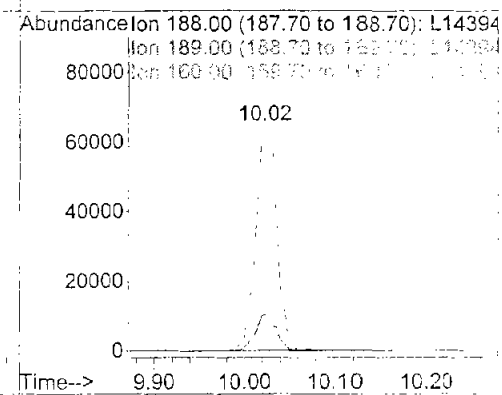


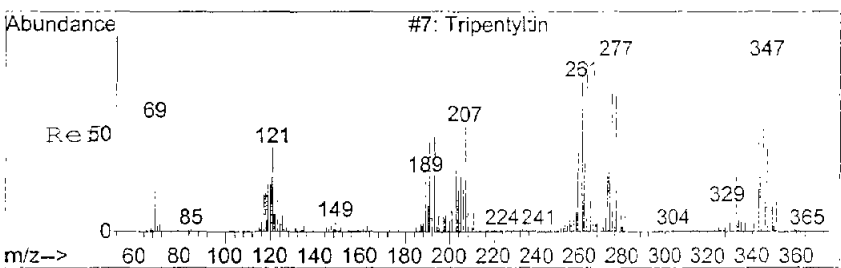
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.02 min Scan# 1002
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

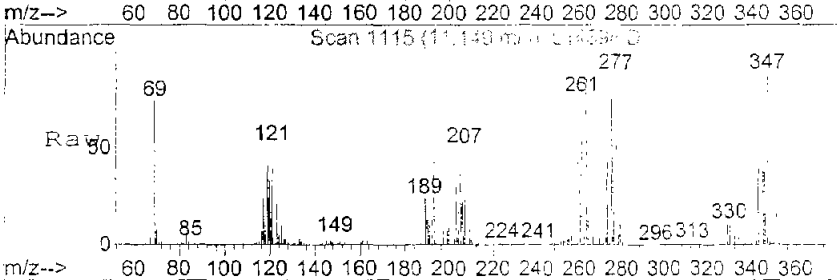
Tgt Ion:188 Resp: 119994

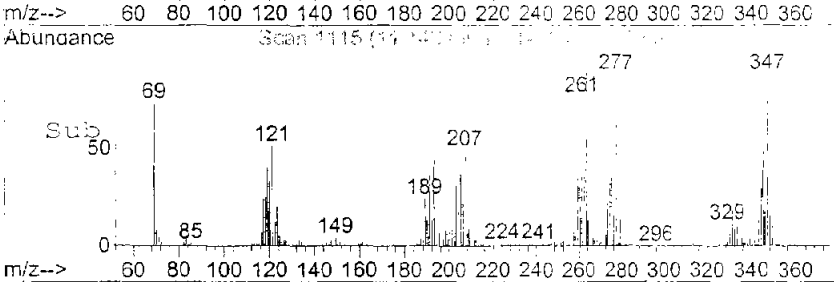
Ion	Ratio	Lower	Upper
188	100		
189	13.0	7.9	18.3
160	14.5	9.1	21.3







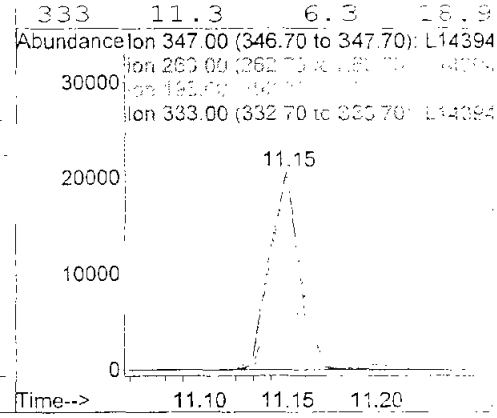


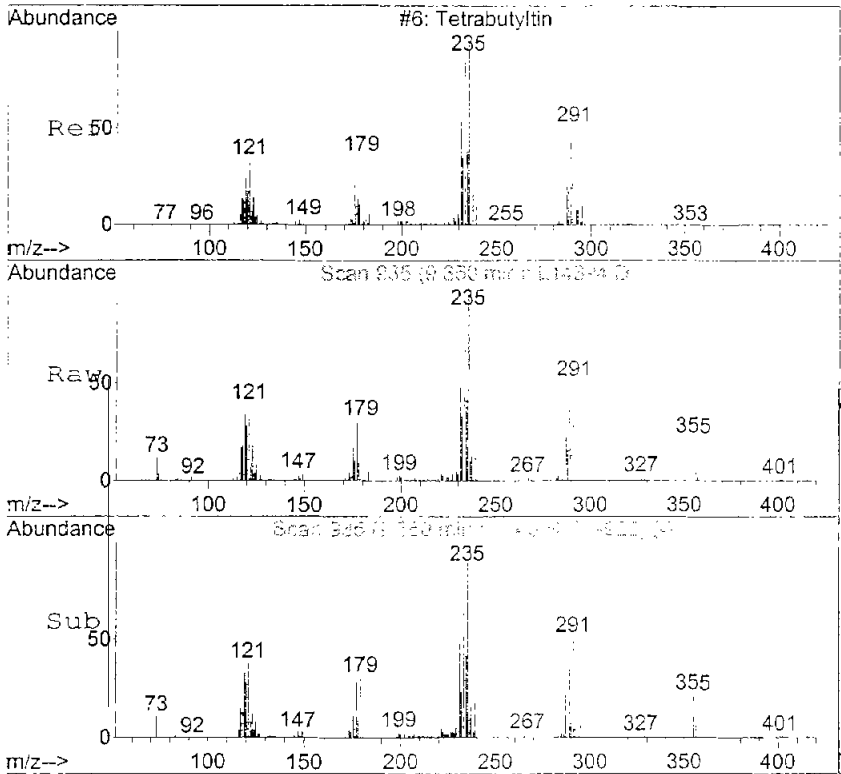


#2
Tripentyltin (S)
Concen: 39.48 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

Tgt Ion:347 Resp: 52774

Ion	Ratio	Lower	Upper
347	100		
263	45.5	17.0	68.0
193	21.1	10.1	30.3
333	11.3	6.3	18.9

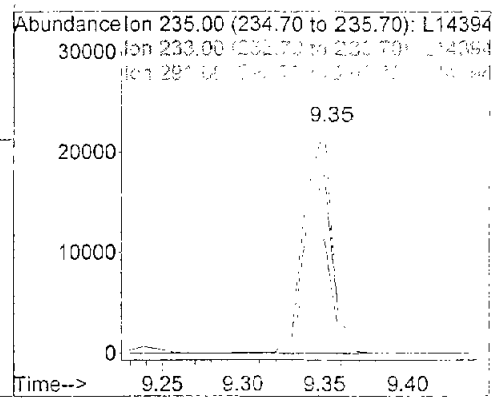


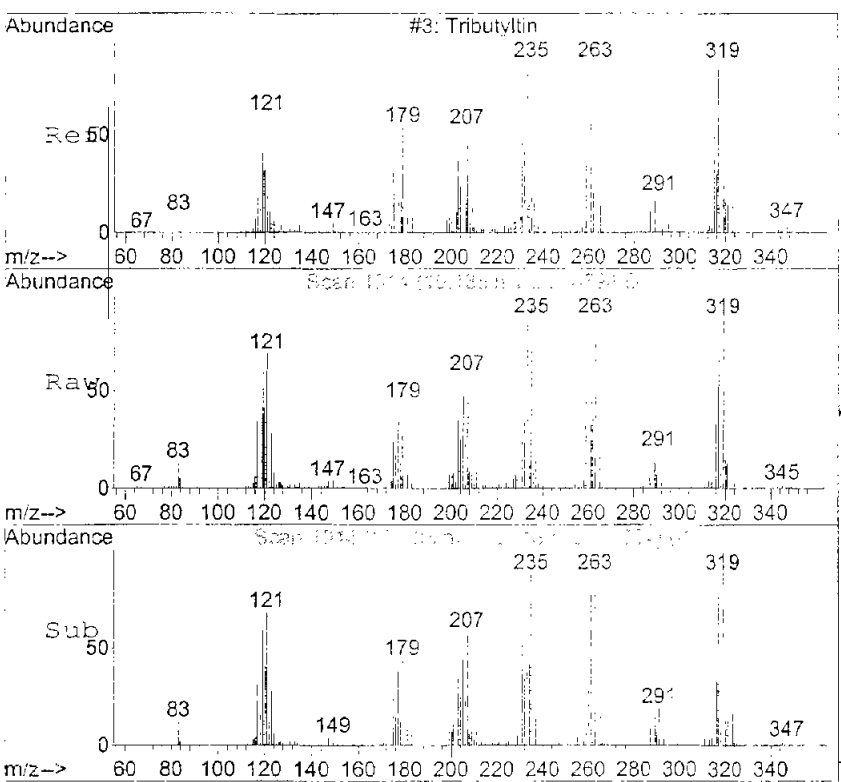


#3
Tetrabutyltin
Concen: 55.56 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

Tgt Ion:235 Resp: 62213

Ion	Ratio	Lower	Upper
235	100		
233	34.9	24.5	45.5
291	22.2	15.6	29.0

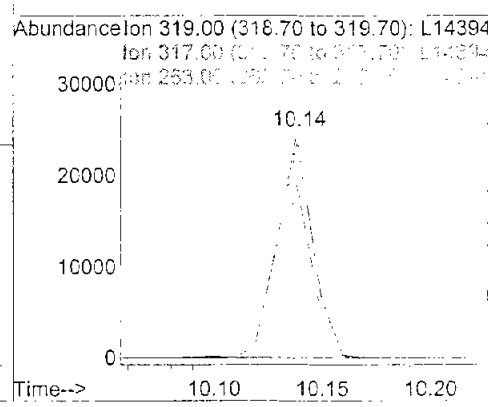


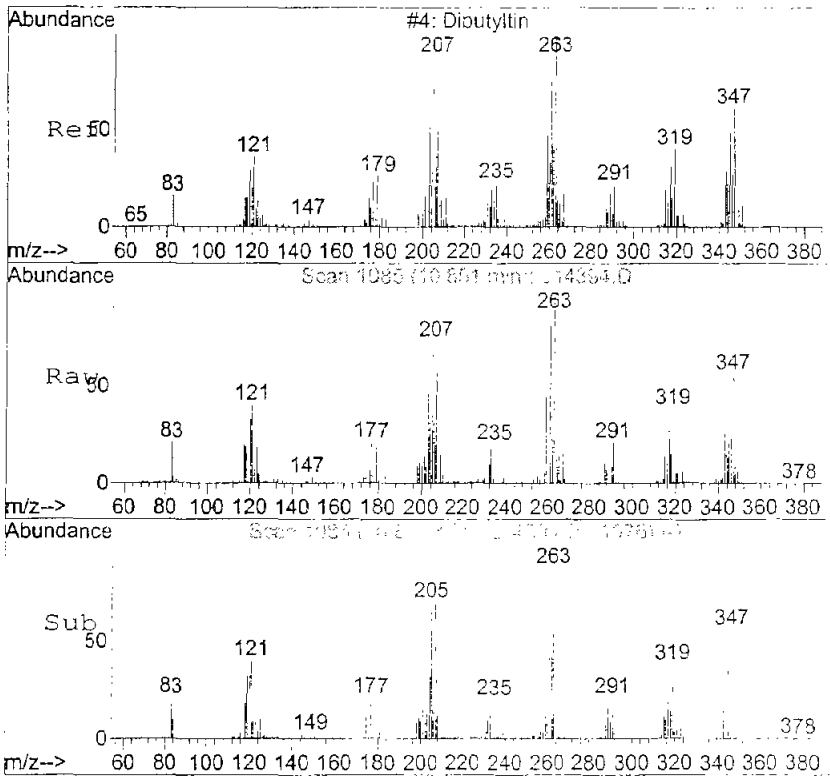


#4
Tributyltin
Concen: 39.11 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. -0.00 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

Tgt Ion:319 Resp: 79456

Ion	Ratio	Lower	Upper
319	100		
317	27.3	20.5	38.1
263	35.9	23.0	42.8

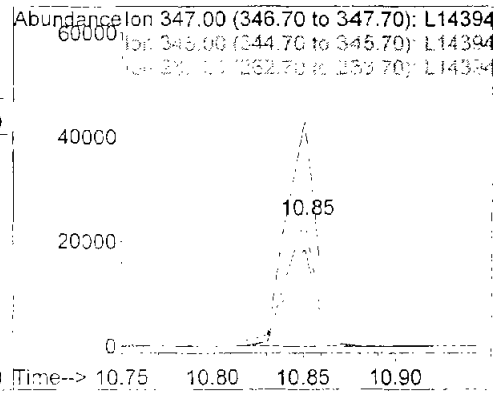


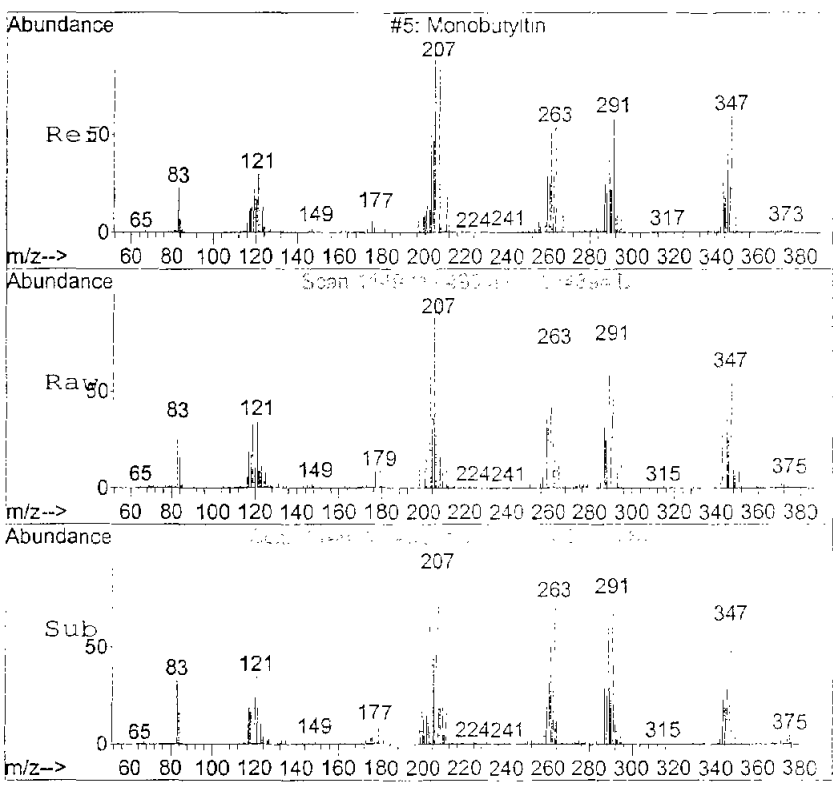


#5
Dibutyltin
Concen: 32.41 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

Tgt Ion:347 Resp: 82769

Ion	Ratio	Lower	Upper
347	100		
345	26.0	20.9	38.7
263	66.9	42.9	79.7

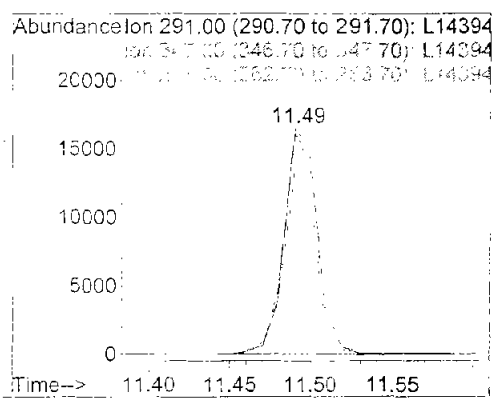




#6
Monobutyltin
Concen: 22.71 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

Tgt Ion:291 Resp: 67247

Ion	Ratio	Lower	Upper
291	100		
347	29.2	22.8	42.4
263	34.7	22.7	42.3



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14395.D Vial: 0
Acq On : 24 Nov 2004 13:05 Operator:
Sample : 10 PG/UL ORGTIN ICAL 979-33-3D Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:59:20 2004 Quant Results File: ORGTIN112404.RES

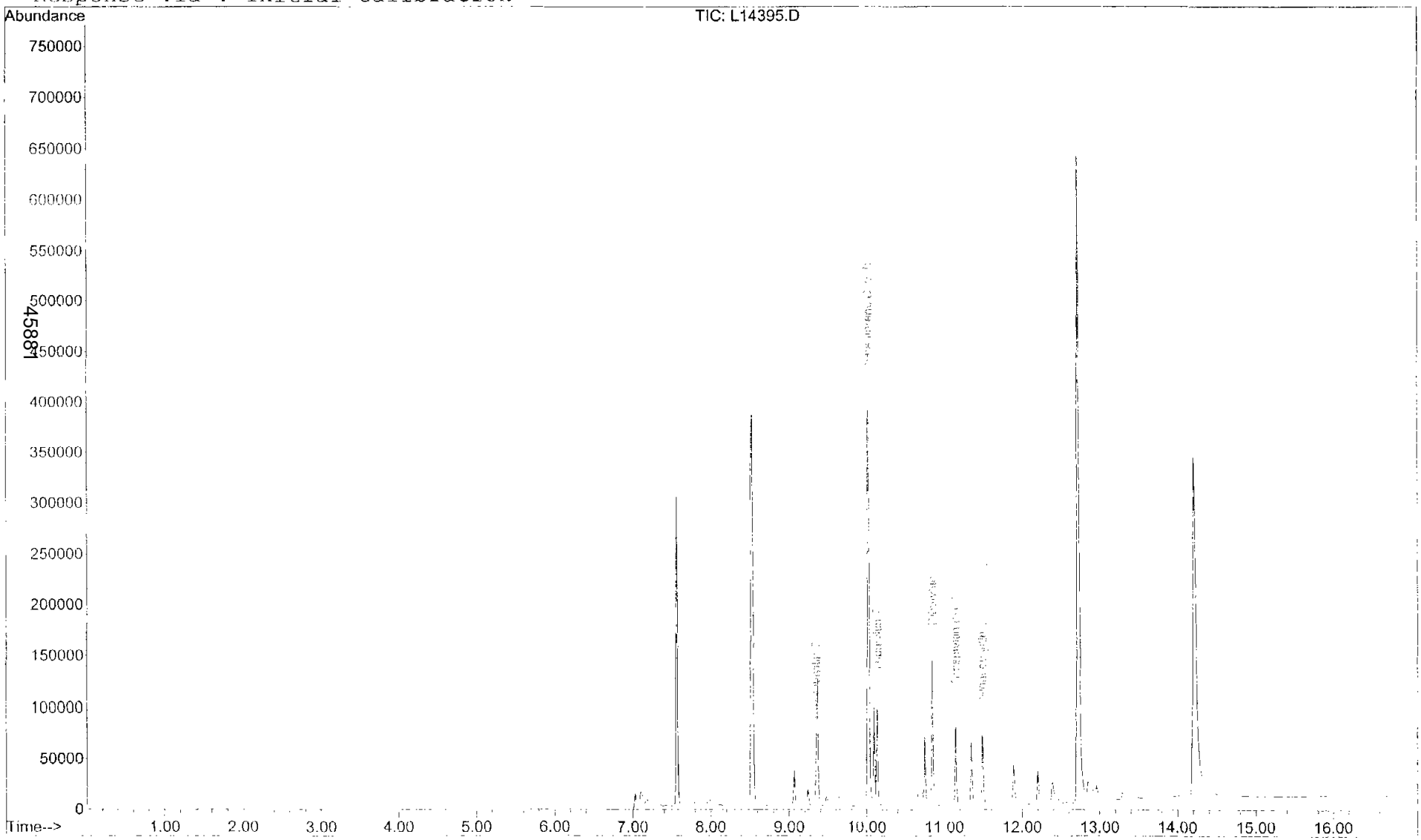
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:59:12 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	125403+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	10458+	7.50	PG/UL	-0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	11894+	9.80	PG/UL	95
4) Tributyltin	10.14	319	14248+	6.56	PG/UL	91
5) Dibutyltin	10.85	347	17142+	6.17	PG/UL	90
6) Monobutyltin	11.49	291	13546+	4.21	PG/UL	93

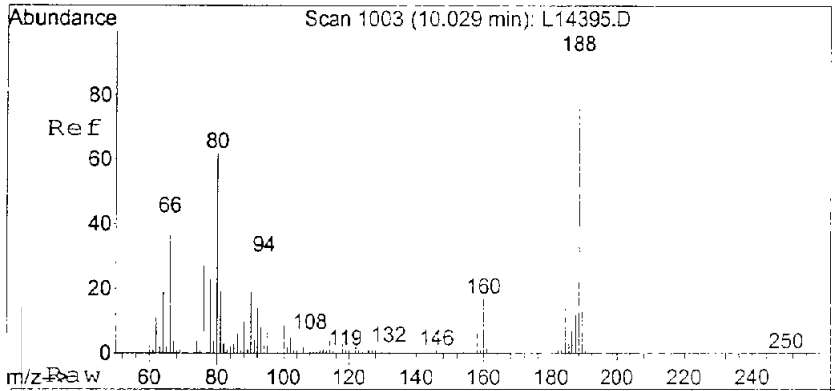
Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14395.D Vial: 0
Acq On : 24 Nov 2004 13:05 Operator:
Sample : 10 PG/UL ORGTIN ICAL 979-33-3D Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 13:59 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



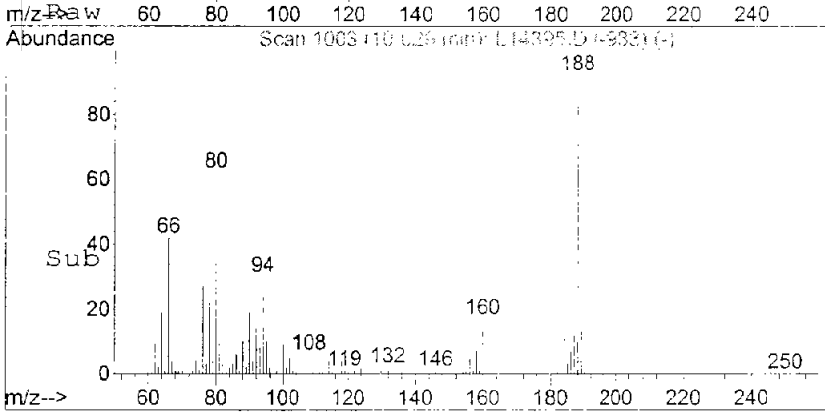
0Z600

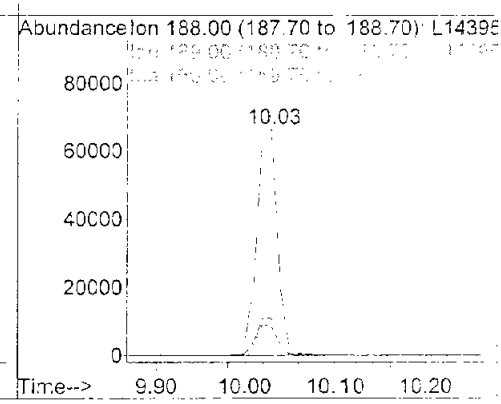


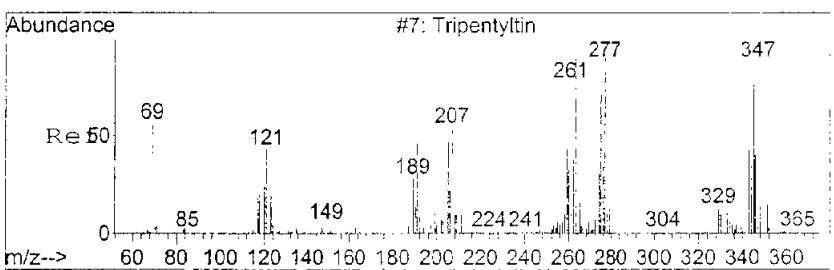
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. -0.00 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

Tgt Ion:188 Resp: 125403

Ion	Ratio	Lower	Upper
188	100		
189	12.1	7.9	18.3
160	15.1	9.1	21.3



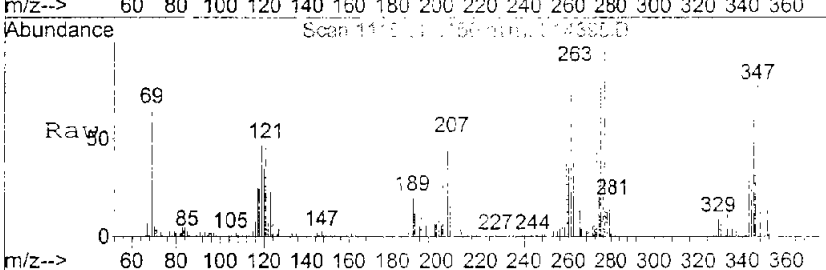


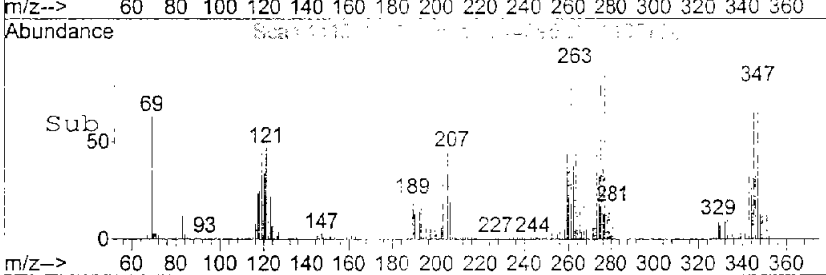


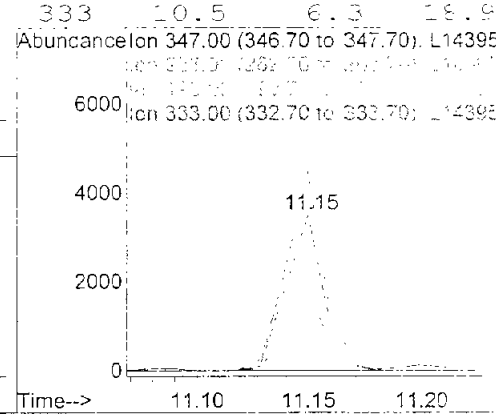
#2
Tripentyltin (S)
Concen: 7.50 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

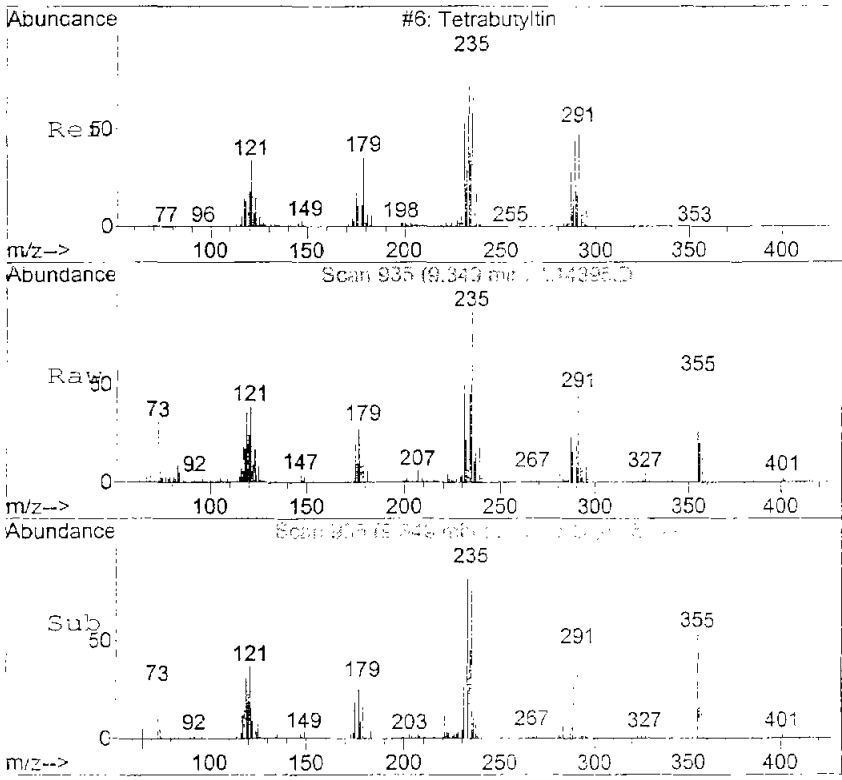
Tgt Ion:347 Resp: 10458

Ion	Ratio	Lower	Upper
347	100		
263	50.7	17.0	68.0
193	20.3	10.1	30.3
333	10.5	6.3	18.9





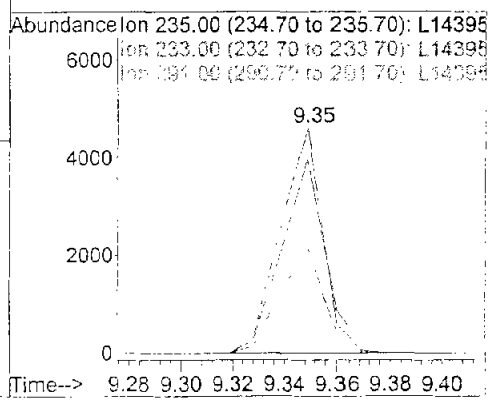


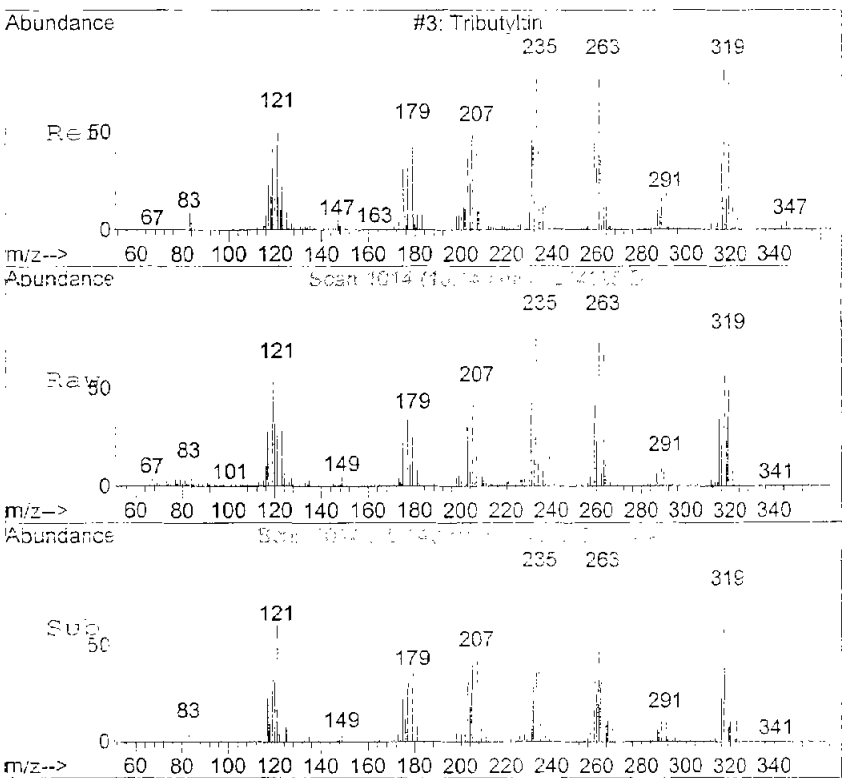


#3
Tetrabutyltin
Concen: 9.80 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

Tgt Ion:235 Resp: 11894

Ion	Ratio	Lower	Upper
235	100		
233	38.1	24.5	45.5
291	20.2	15.6	29.0

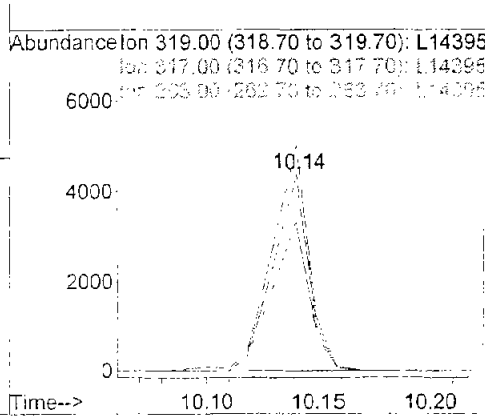


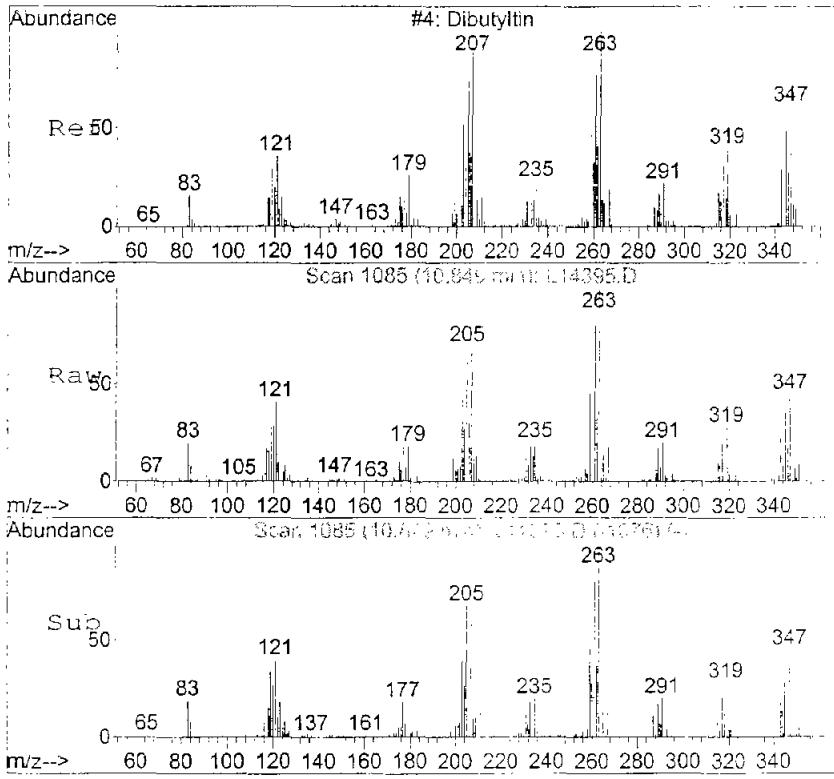


#4
Tributyltin
Concen: 6.56 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

Tgt Ion:319 Resp: 14248

Ion	Ratio	Lower	Upper
319	100		
317	26.4	20.5	38.1
263	40.0	23.0	42.8

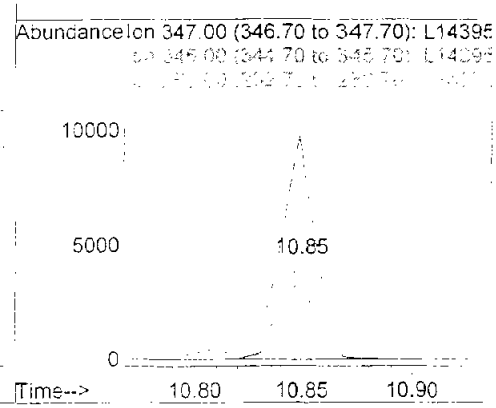


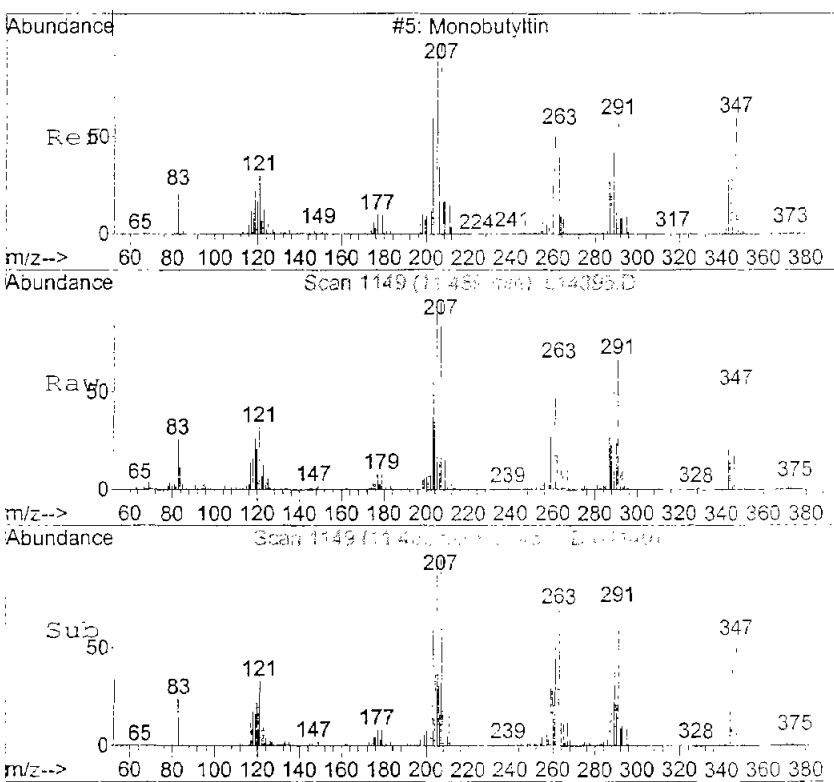


#5
Dibutyltin
Concen: 6.17 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. -0.01 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

Tgt Ion:347 Resp: 17142

Ion	Ratio	Lower	Upper
347	100		
345	25.1	20.9	38.7
263	69.1	42.9	79.7

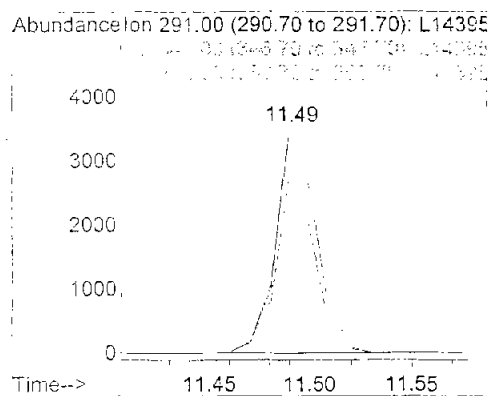




#6
Monobutyltin
Concen: 4.21 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

Tgt Ion:291 Resp: 13546

Ion	Ratio	Lower	Upper
291	100		
347	27.4	22.8	42.4
263	35.7	22.7	42.3



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14396.D Vial: 0
Acq On : 24 Nov 2004 13:33 Operator:
Sample : 5.0 PG/UL ORGTIN ICAL 979-33-3E Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:00:02 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:59:28 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	121297+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.16	347	5564+	4.19	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	6157+	5.27	PG/UL	96
4) Tributyltin	10.15	319	8592+	4.20	PG/UL	91
5) Dibutyltin	10.86	347	8241+	3.01	PG/UL	88
6) Monobutyltin	11.50	291	6859+	2.19	PG/UL	91

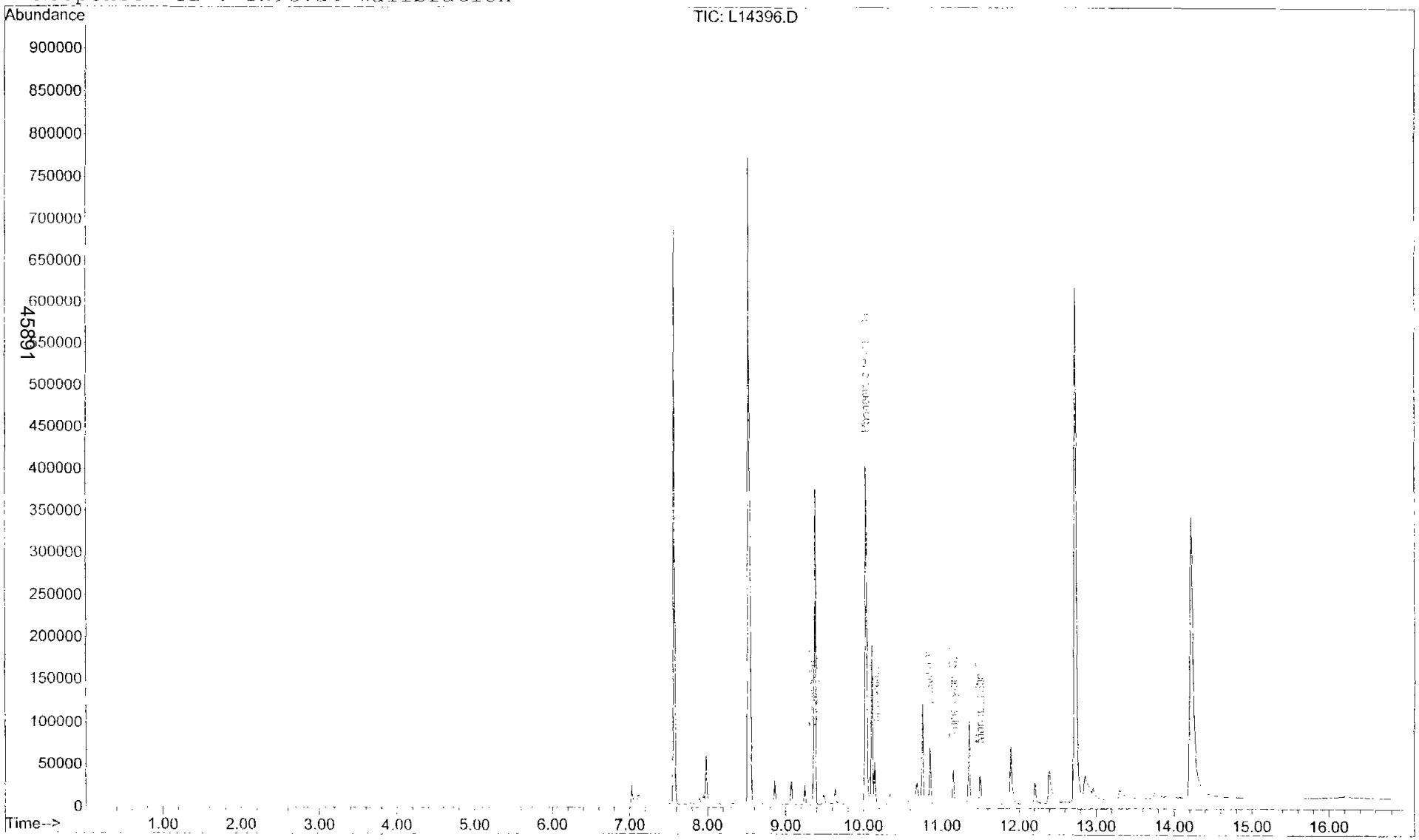
Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14396.D
Acq On : 24 Nov 2004 13:33
Sample : 5.0 PG/UL ORGTIN ICAL 979-33-3E
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 29 14:00 2004

Vial: 0
Operator:
Inst :
Multiplr: 1.00

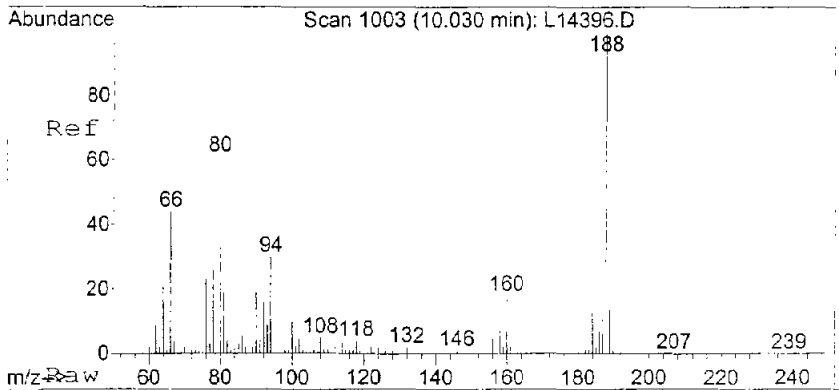
Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



45891

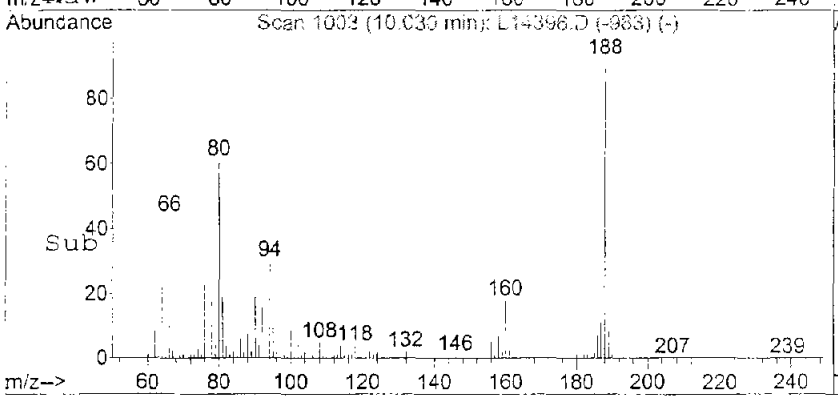
00925

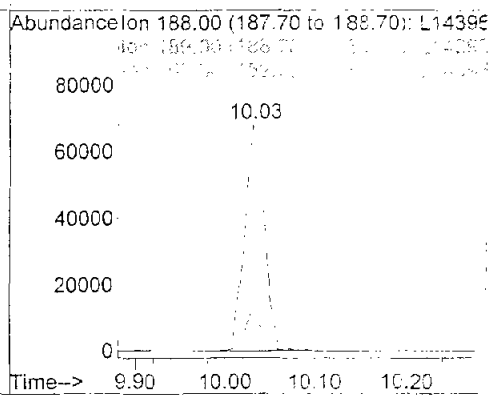


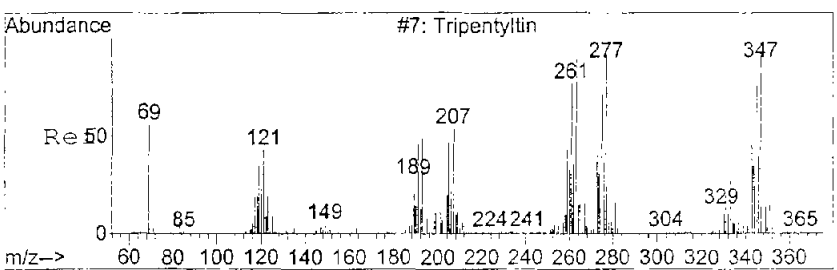
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. 0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:188 Resp: 121297

Ion	Ratio	Lower	Upper
188	100		
189	12.1	7.9	18.3
160	14.9	9.1	21.3



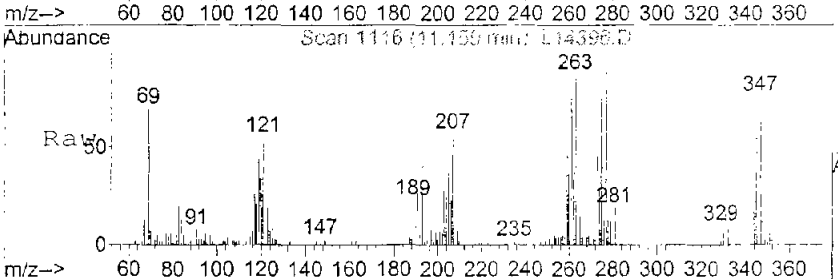


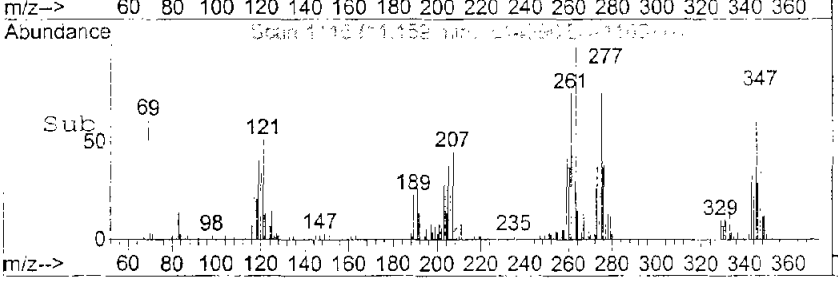


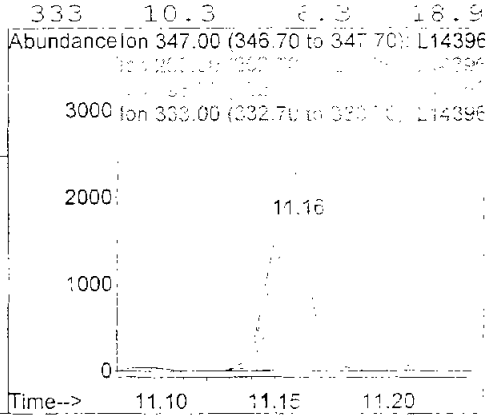
#2
Tripentyltin (S)
Concen: 4.19 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. -0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

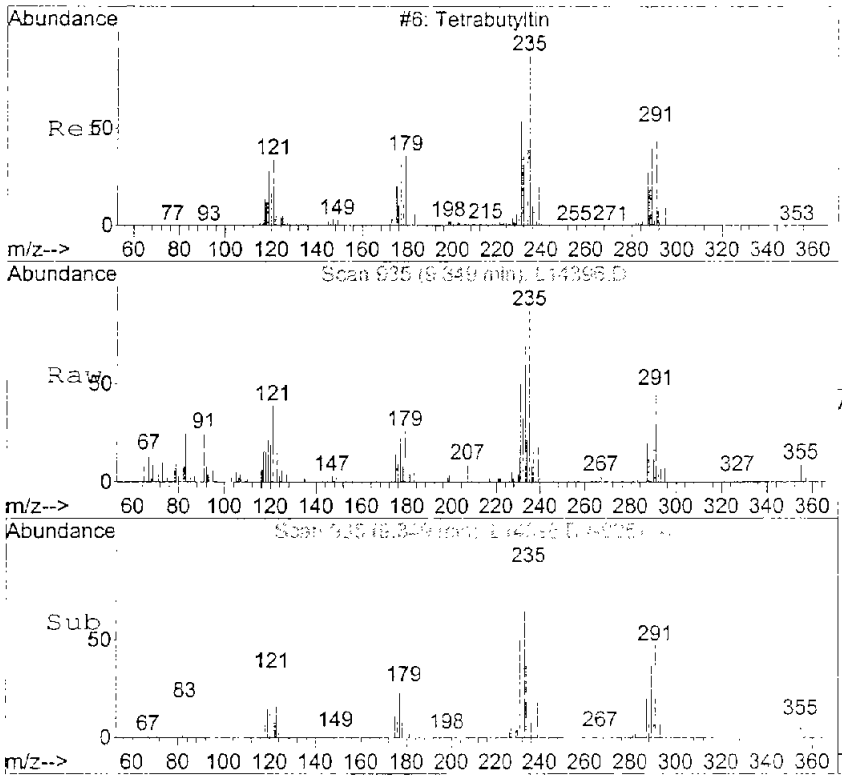
Tgt Ion:347 Resp: 5564

Ion	Ratio	Lower	Upper
347	100		
263	50.8	17.0	68.0
193	21.7	10.1	30.3
333	10.3	6.3	18.9





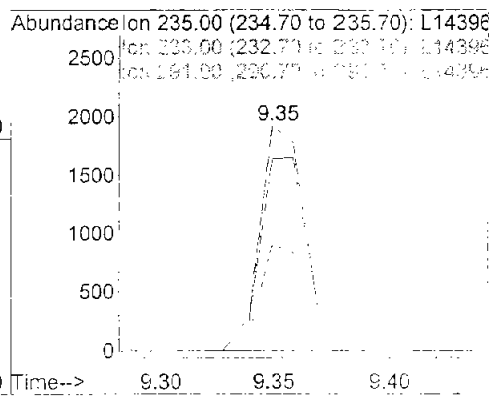


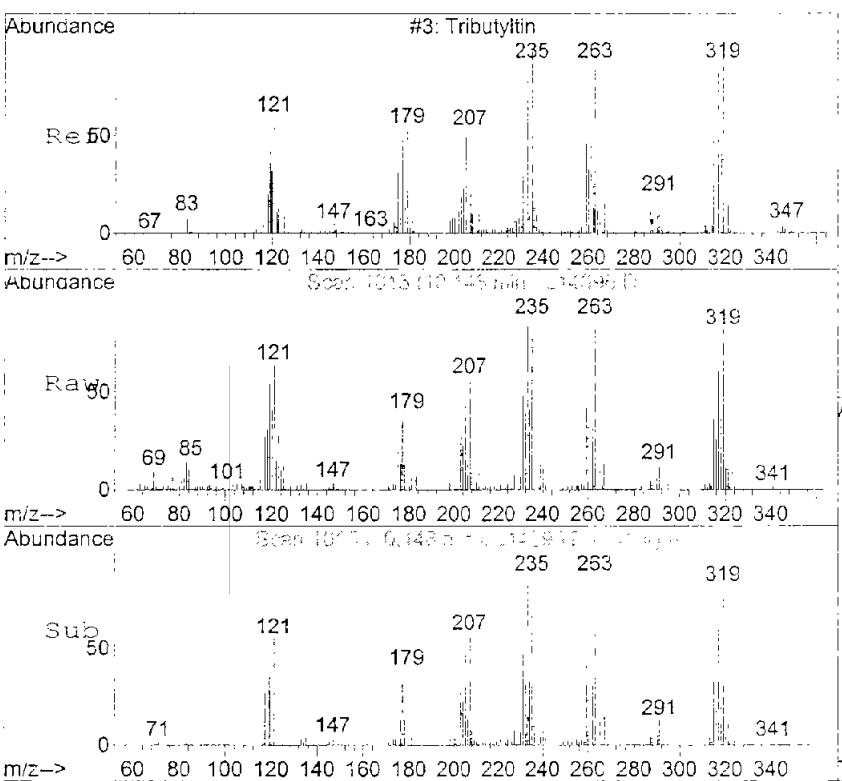


#3
Tetrabutyltin
Concen: 5.27 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:235 Resp: 6157

Ion	Ratio	Lower	Upper
235	100		
233	36.7	24.5	45.5
291	19.1	15.6	29.0

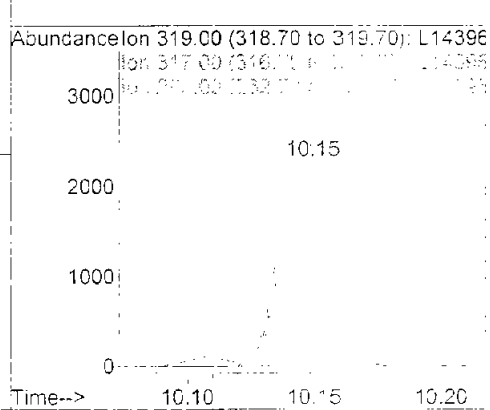


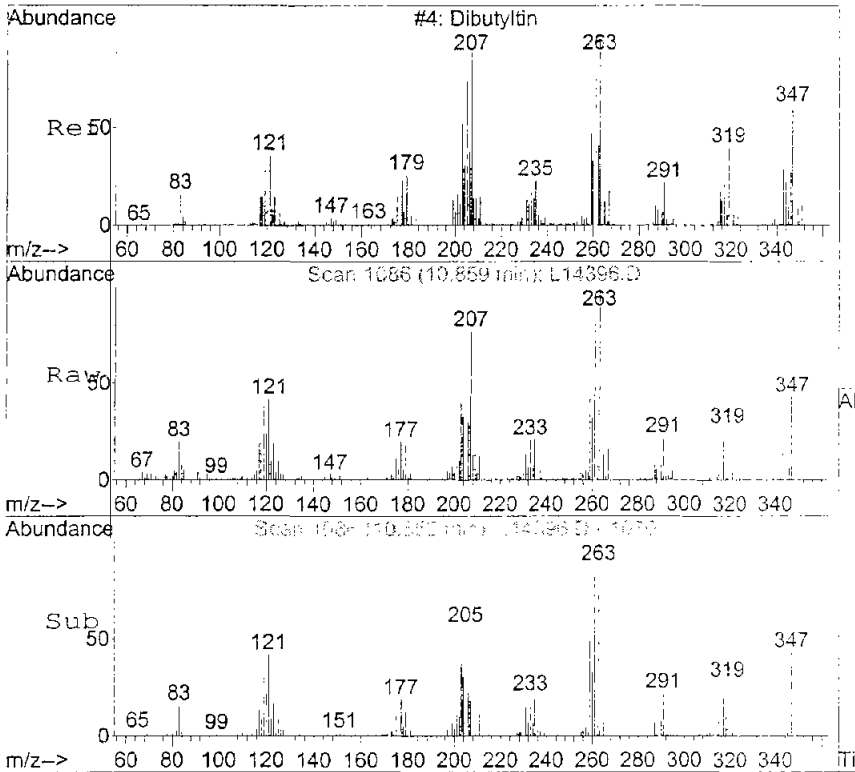


#4
Tributyltin
Concen: 4.20 PG/UL
RT: 10.15 min Scan# 1015
Delta R.T. 0.01 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:319 Resp: 8592

Ion	Ratio	Lower	Upper
319	100		
317	27.0	20.5	38.1
263	40.6	23.0	42.8

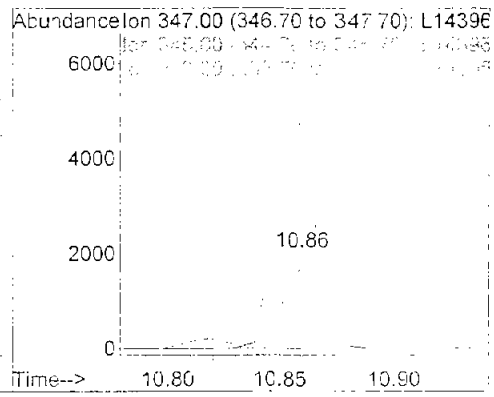


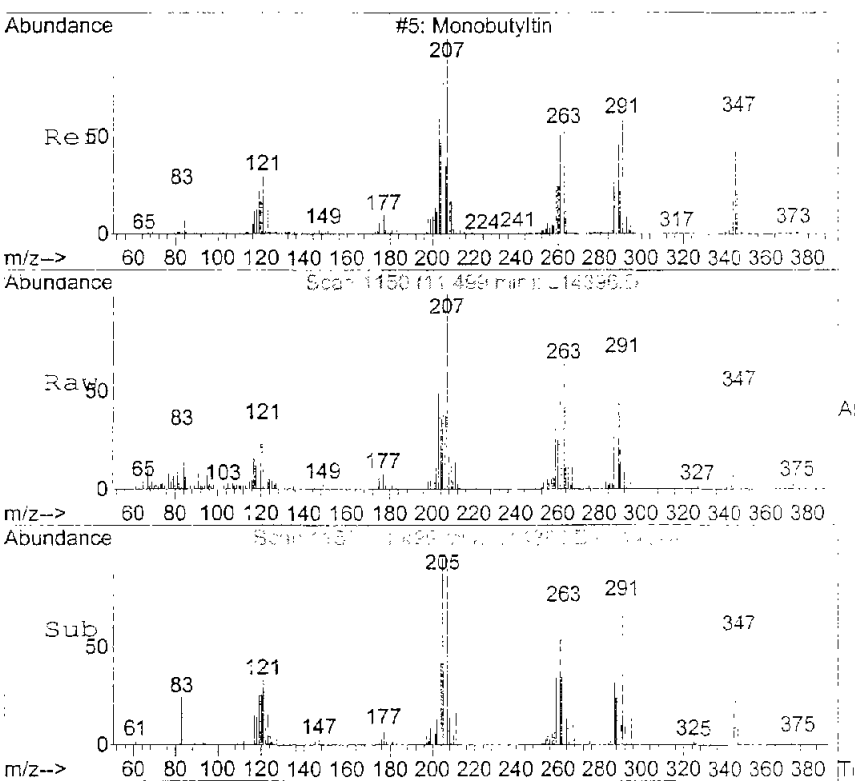


#5
Dibutyltin
Concen: 3.01 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:347 Resp: 8241

Ion	Ratio	Lower	Upper
347	100		
345	23.2	20.9	38.7
263	70.7	42.9	79.7

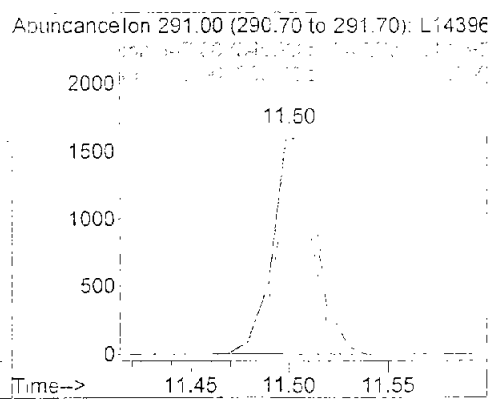




#6
Monobutyltin
Concen: 2.19 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. -0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

Tgt Ion:291 Resp: 6859

Ion	Ratio	Lower	Upper
291	100		
347	26.8	22.8	42.4
263	37.1	22.7	42.3



Quantitation Report (Not Reviewed)

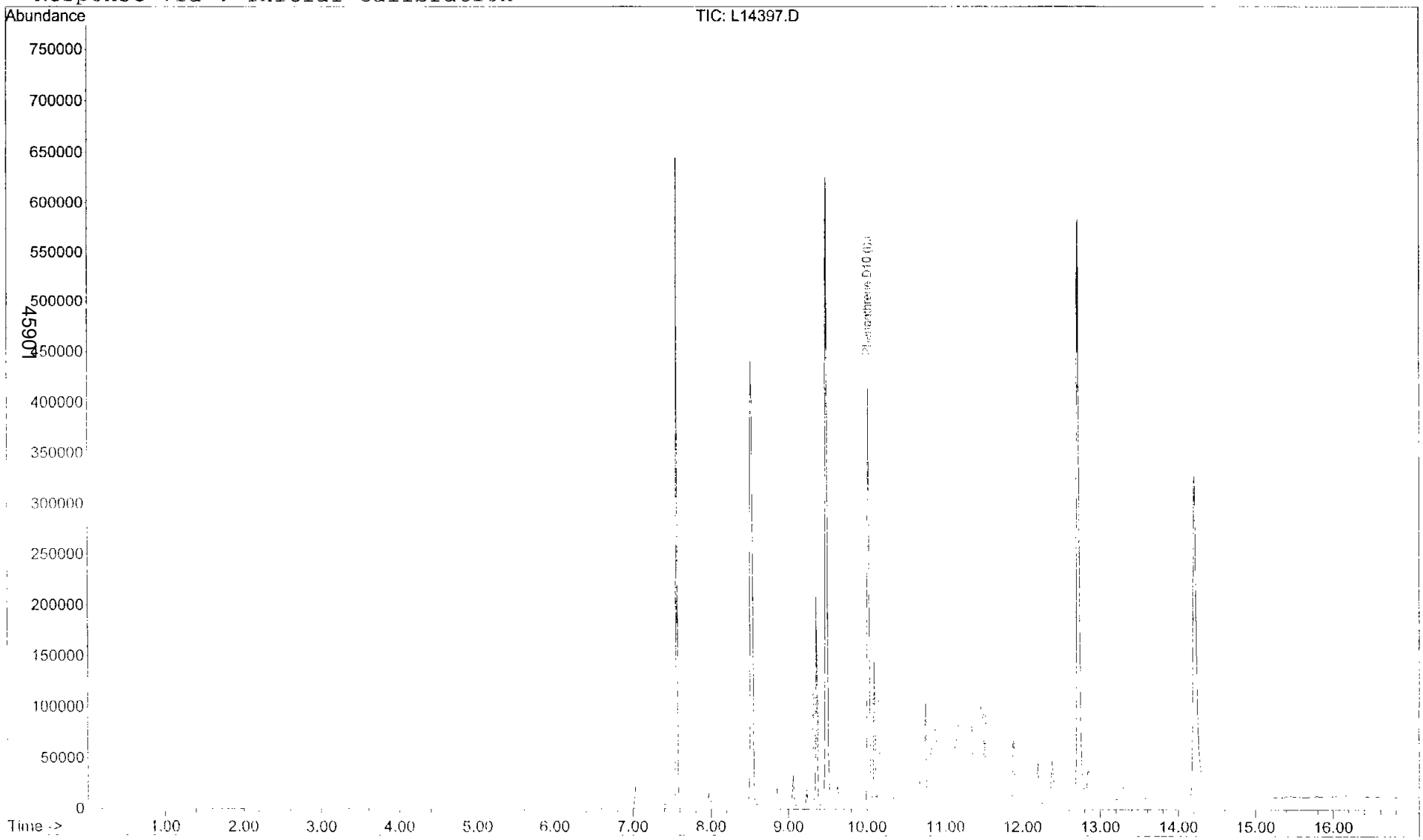
Data File : T:\DATA\11292004\L14397.D Vial: 0
Acq On : 24 Nov 2004 13:58 Operator:
Sample : 1.0 PG/UL ORGTIN ICAL 979-33-3F Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:00:19 2004 Quant Results File: ORGTIN112404.RES

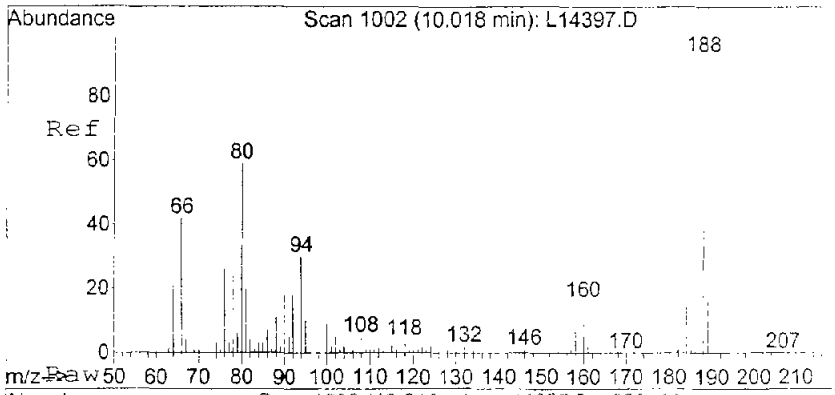
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:10 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.02	188	120202+	100.00	pg/ul	-0.01
System Monitoring Compounds						
2) Tripentyltin (S)	11.14	347	963+	0.72	PG/UL	-0.02
Target Compounds						Qvalue
3) Tetrabutyltin	9.34	235	1165+	1.00	PG/UL	90
4) Tributyltin	10.13	319	1316-	0.63	PG/UL	89
5) Dibutyltin	10.84	347	1526-	0.56	PG/UL	85
6) Monobutyltin	11.49	291	1113-	0.35	PG/UL	80

Data File : T:\DATA\11292004\L14397.D Vial: 0
Acq On : 24 Nov 2004 13:58 Operator:
Sample : 1.0 PG/UL ORGTIN ICAL 979-33-3F Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:00 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration

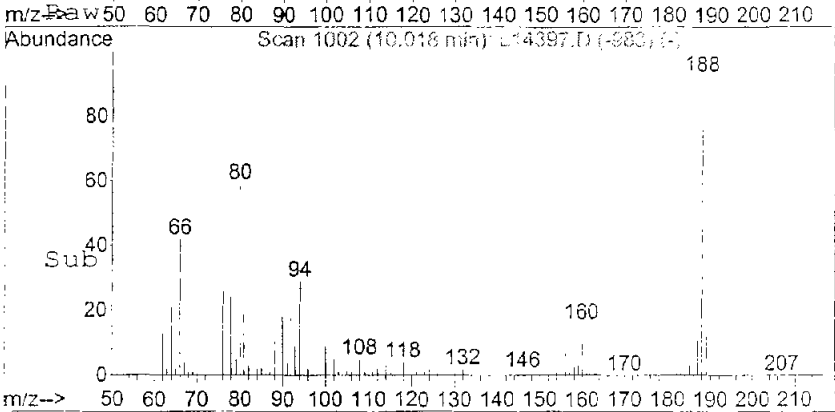


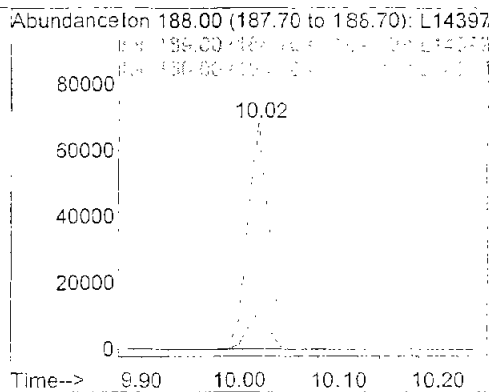


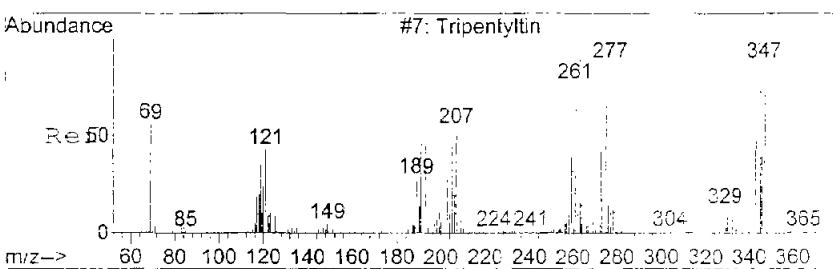
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.02 min Scan# 1002
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

Tgt Ion:188 Resp: 120202

Ion	Ratio	Lower	Upper
188	100		
189	13.3	7.9	18.3
160	14.8	9.1	21.3



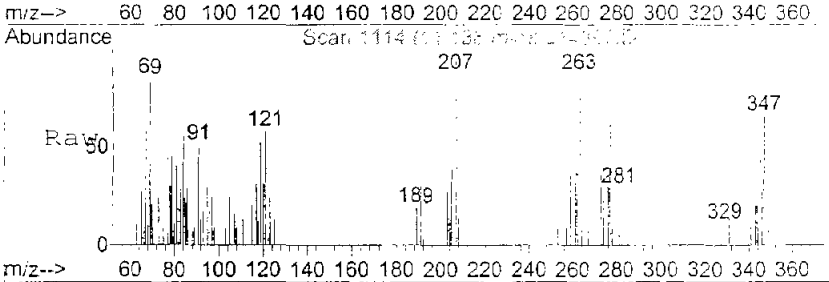


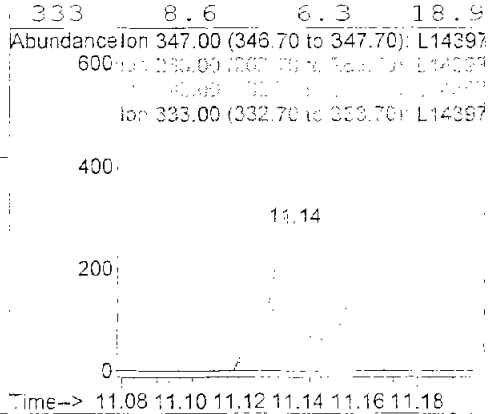


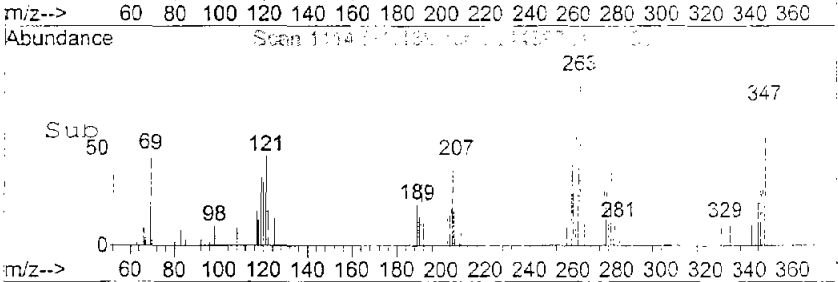
#2
Tripentyltin (S)
Concen: 0.72 PG/UL
RT: 11.14 min Scan# 1114
Delta R.T. -0.02 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

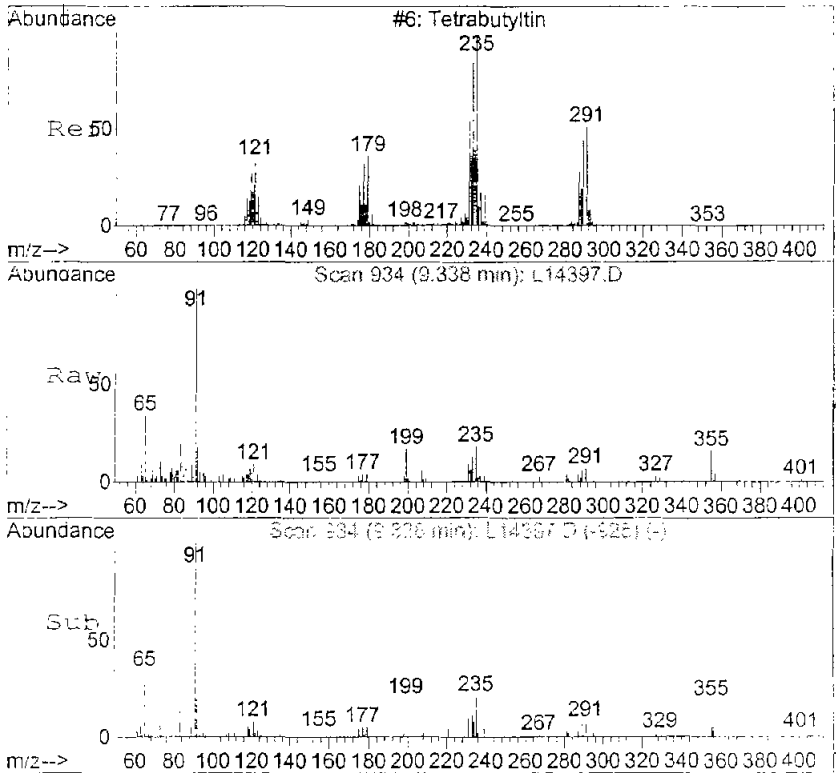
Tgt Ion:347 Resp: 963

Ion	Ratio	Lower	Upper
347	100		
263	55.8	17.0	68.0
193	22.6	10.1	30.3
333	8.6	6.3	18.9





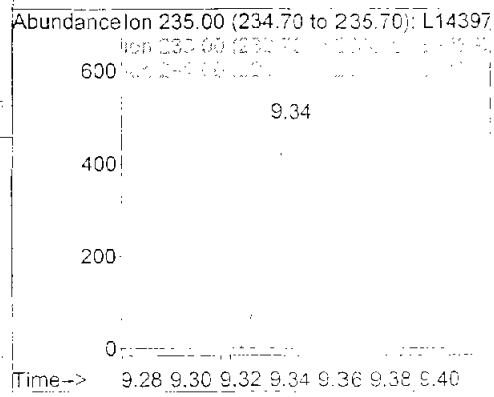


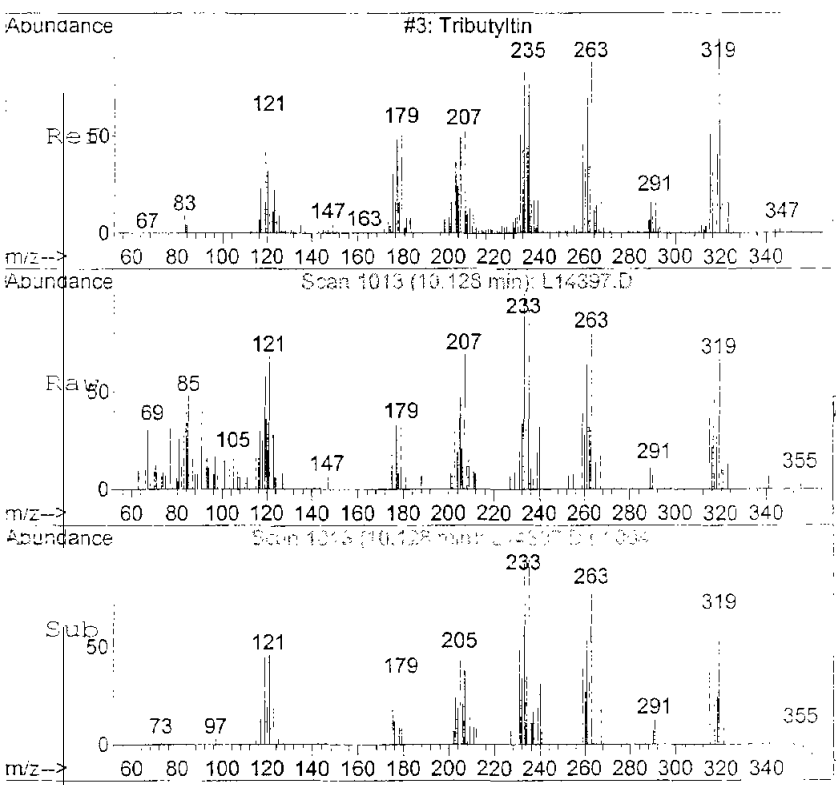


#3
Tetrabutyltin
Concen: 1.00 PG/UL
RT: 9.34 min Scan# 934
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

Tgt Ion:235 Resp: 1165

Ion	Ratio	Lower	Upper
235	100		
233	30.3	24.5	45.5
291	15.7	15.6	29.0

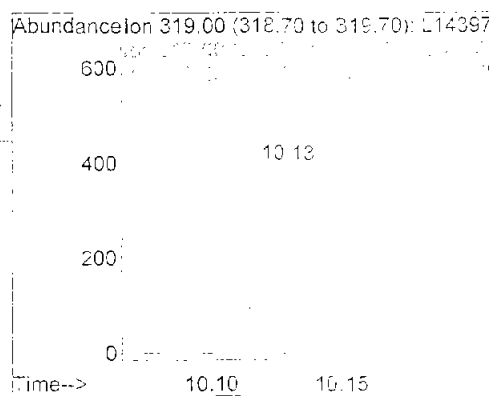


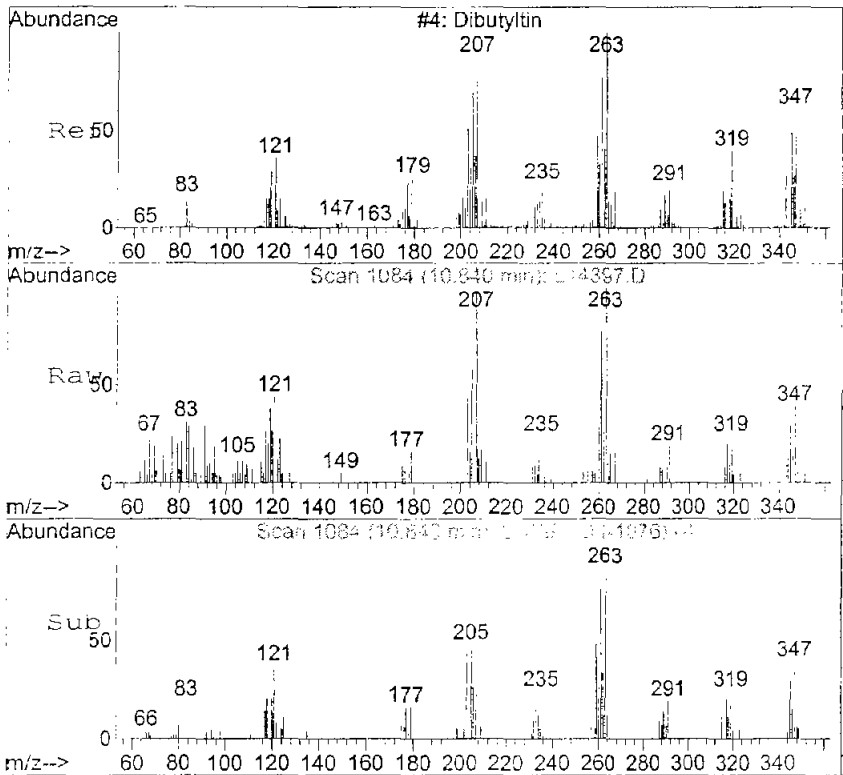


#4
Tributyltin
Concen: 0.63 PG/UL
RT: 10.13 min Scan# 1013
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

Tgt Ion:319 Resp: 1316

Ion	Ratio	Lower	Upper
319	100		
317	24.7	20.5	38.1
263	40.6	28.0	42.8

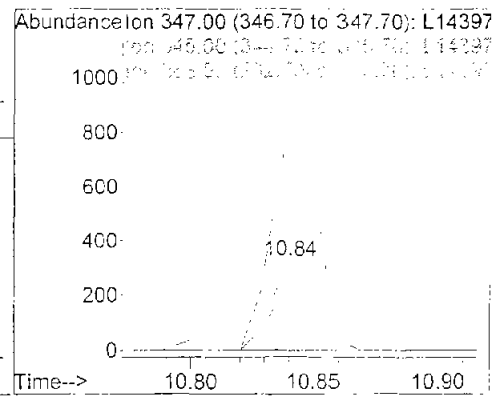


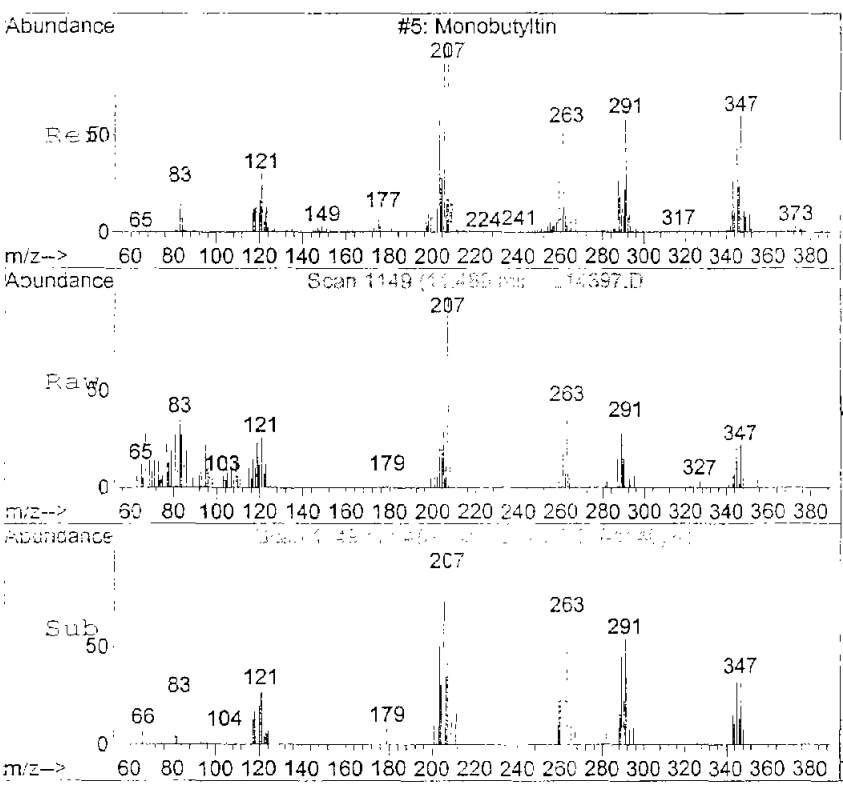


#5
Dibutyltin
Concen: 0.56 PG/UL
RT: 10.84 min Scan# 1084
Delta R.T. -0.02 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

Tgt Ion:347 Resp: 1526

Ion	Ratio	Lower	Upper
347	100		
345	21.1	20.9	38.7
263	72.1	42.9	79.7

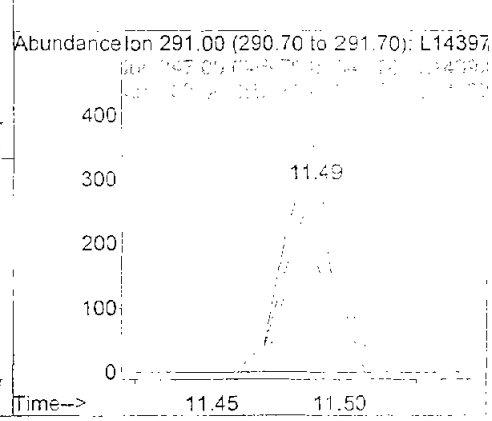




#6
Monobutyltin
Concen: 0.35 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

Tgt Ion:291 Resp: 1113

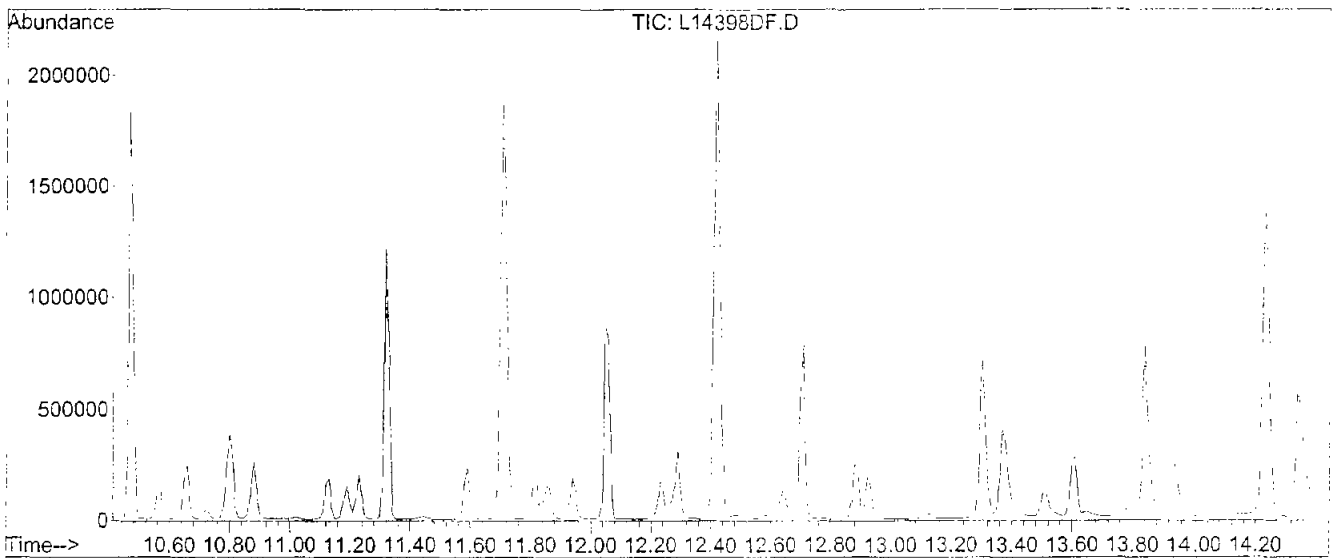
Ion	Ratio	Lower	Upper
291	100		
347	22.1	22.8	42.4#
263	44.4	22.7	42.3#

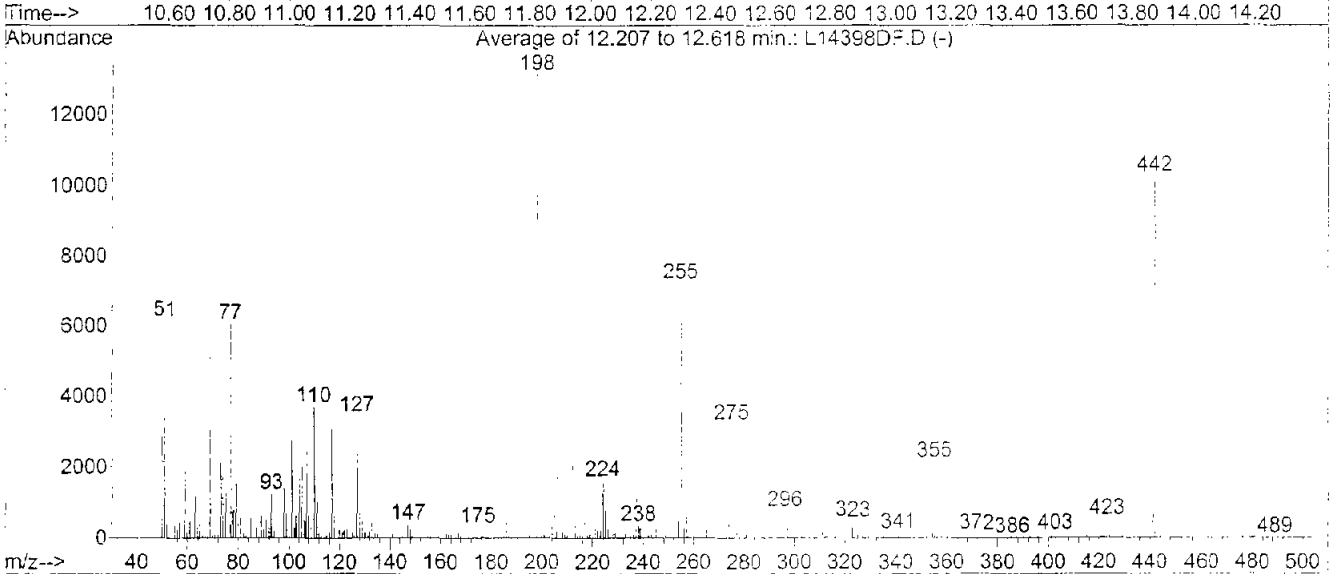


DFTPP

Data File : T:\DATA\11292004\L14398DF.D
Acq On : 24 Nov 2004 14:45
Sample : 2.5 NG/UL DFTPP
Misc :
MS Integration Params: rteint.p
Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN

Vial: 0
Operator:
Inst :
Multiplr: 1.00





Spectrum Information: Average of 12.207 to 12.618 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.7	6136	PASS
68	69	0.00	2	1.4	73	PASS
69	198	0.00	100	40.9	5369	PASS
70	69	0.00	2	1.2	66	PASS
127	198	10	80	26.1	3433	PASS
197	198	0.00	1	0.1	9	PASS
198	198	50	100	100.0	13138	PASS
199	198	5	9	6.2	812	PASS
275	198	10	60	24.4	3202	PASS
365	198	1	100	2.8	368	PASS
441	443	0.01	100	70.3	1314	PASS
442	198	50	100	77.9	10233	PASS
443	442	15	24	18.3	1869	PASS

L14398DF.D ORGTIN112404.M Mon Nov 29 14:14:09 2004

Evaluate Continuing Calibration Report

Data File : T:\DATA\11292004\L14399.D Vial: 0
Acq On : 24 Nov 2004 15:09 Operator:
Sample : 100 PG/UL ORGTIN CCAL 979-33-6OCS Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 400%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Phenanthrene D10 (I)	1.000	1.000	0.0	97	0.00
2	S	Tripentyltin (S)	1.091	1.135	-4.0	92	-0.01
3	T	Tetrabutyltin	0.973	0.937	3.7	93	0.00
4	T	Tributyltin	1.695	1.751	-3.3	98	0.00
5	T	Dibutyltin	2.262	2.202	2.7	91	0.00
6	T	Monobutyltin	2.566	2.673	-4.2	99	0.00

Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14399.D Vial: 0
Acq On : 24 Nov 2004 15:09 Operator:
Sample : 100 PG/UL ORGTIN CCAL 979-33-60CS Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:14:26 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	119449+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	107743-	82.69	PG/UL	-0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	111884+	96.29	PG/UL	99
4) Tributyltin	10.14	319	153272+	75.71	PG/UL	98
5) Dibutyltin	10.86	347	151766+	56.17	PG/UL	98
6) Monobutyltin	11.50	291	130069+	42.43	PG/UL	98

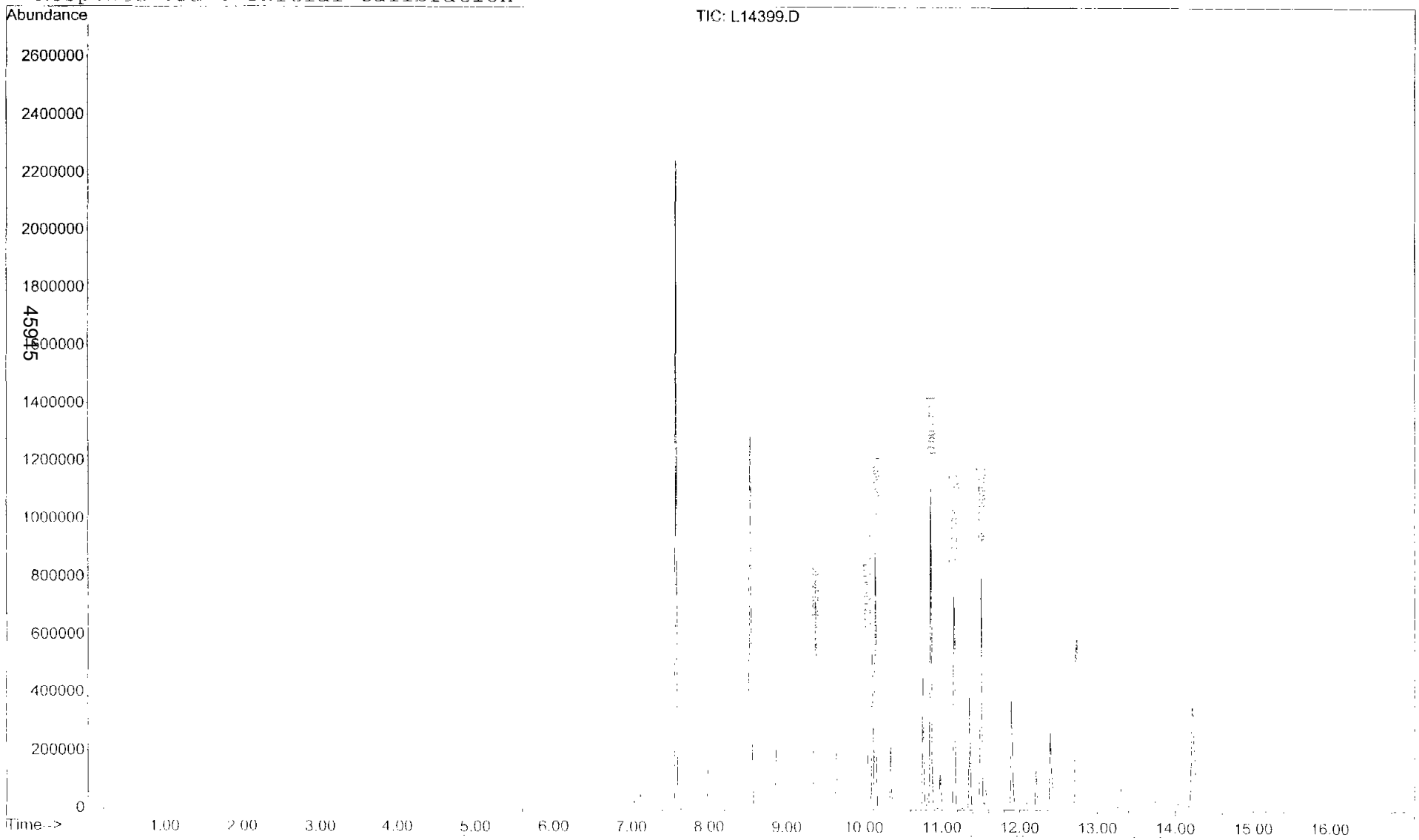
Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14399.D
Acq On : 24 Nov 2004 15:09
Sample : 100 PG/UL ORGTIN CCAL 979-33-60CS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 29 14:14 2004

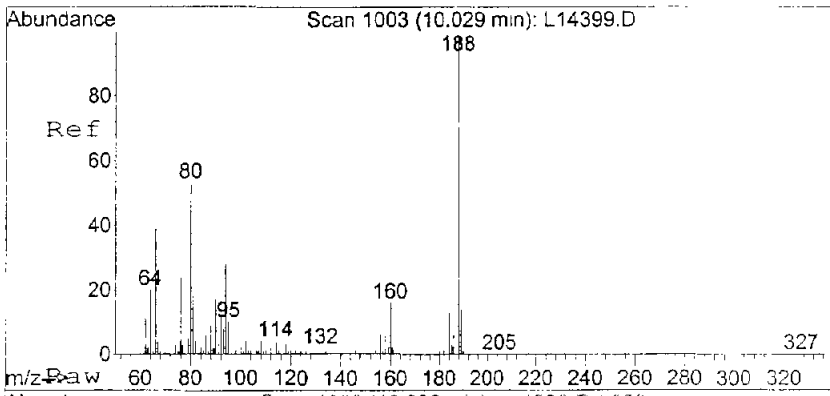
Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



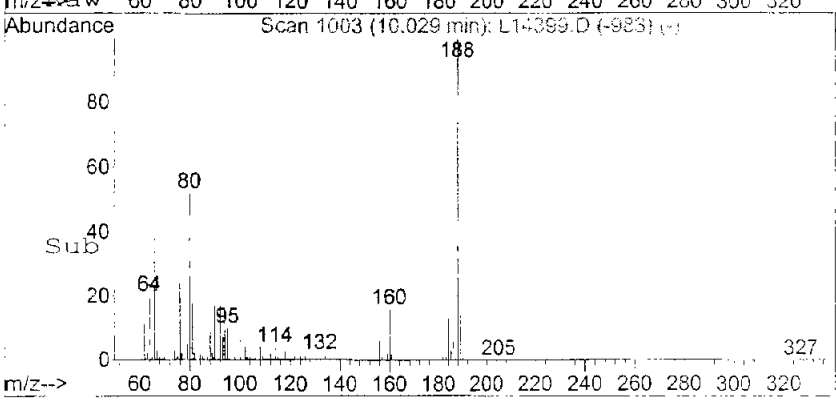
459415

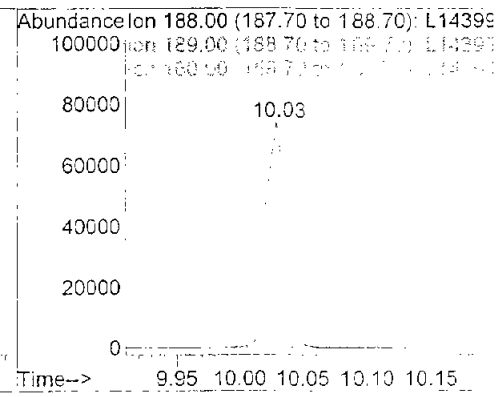


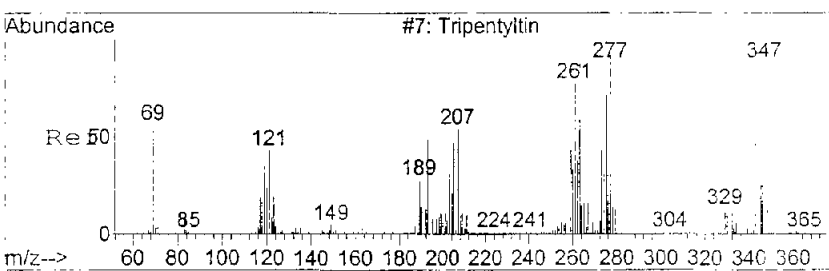
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. -0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:188 Resp: 119449

Ion	Ratio	Lower	Upper
188	100		
189	12.1	7.9	18.3
160	13.8	9.1	21.3



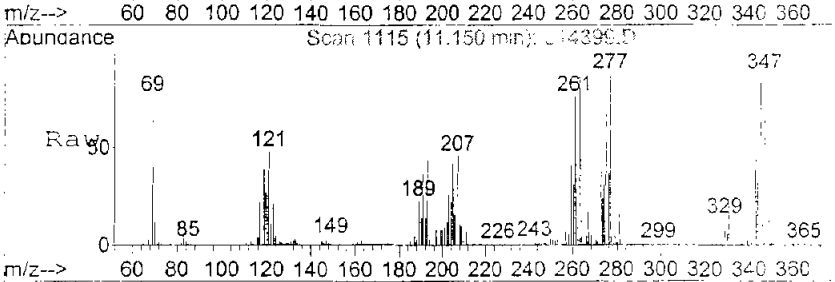


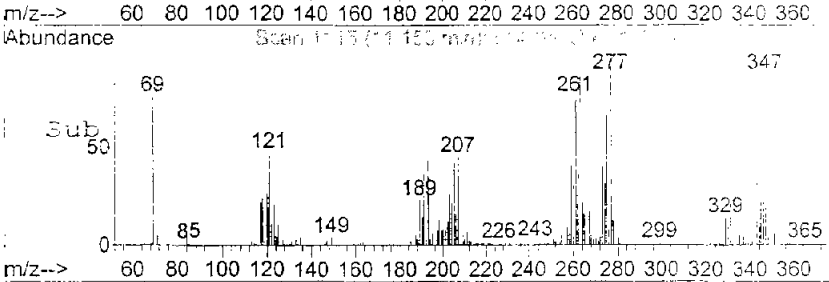


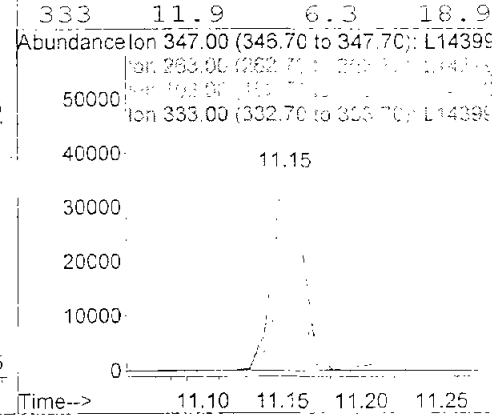
#2
Tripentyltin (S)
Concen: 82.69 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

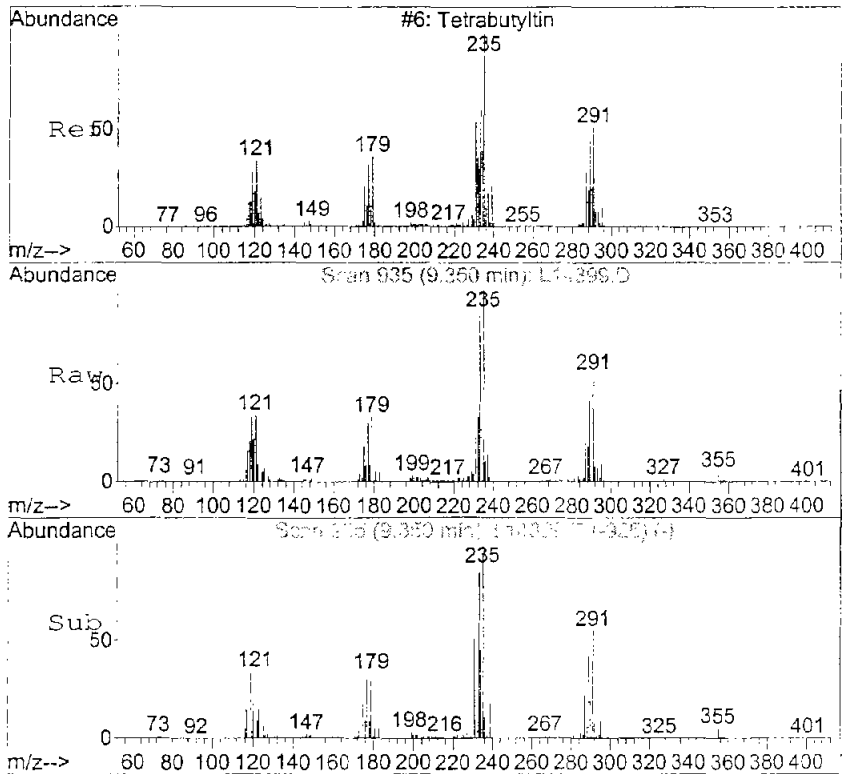
Tgt Ion:347 Resp: 107743

Ion	Ratio	Lower	Upper
347	100		
263	43.0	17.0	68.0
193	21.6	10.1	30.3
333	11.9	6.3	18.9





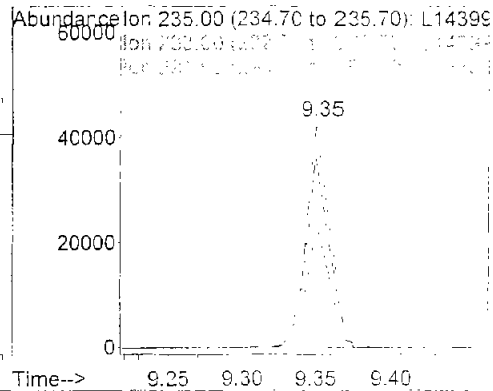


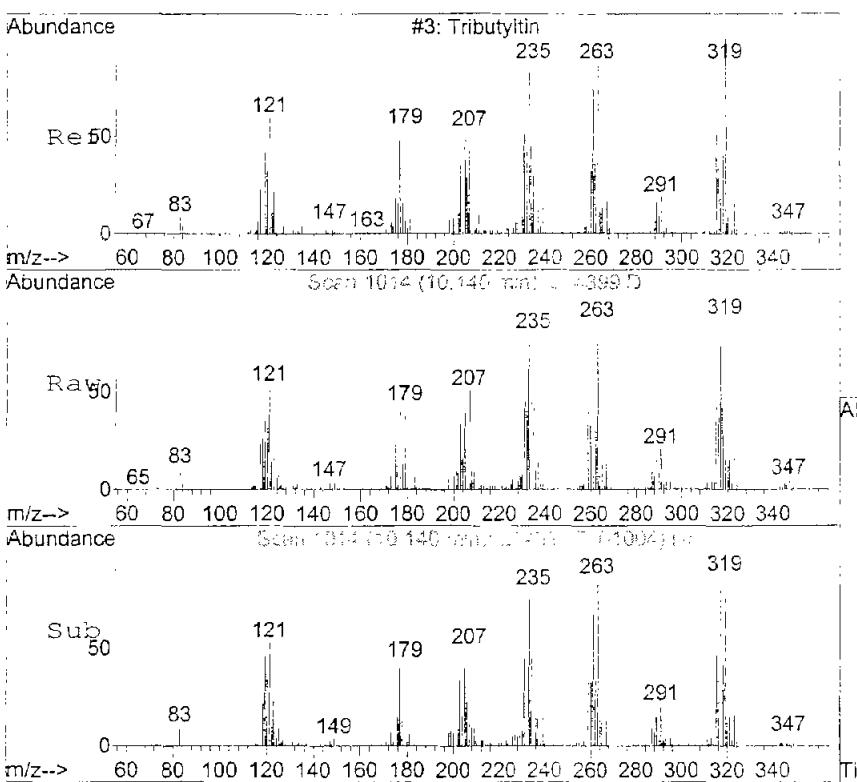


#3
Tetrabutyltin
Concen: 96.29 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:235 Resp: 111884

Ion	Ratio	Lower	Upper
235	100		
233	34.7	24.5	45.5
291	23.2	15.6	29.0

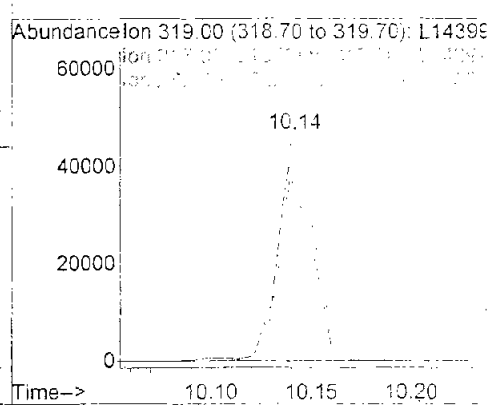


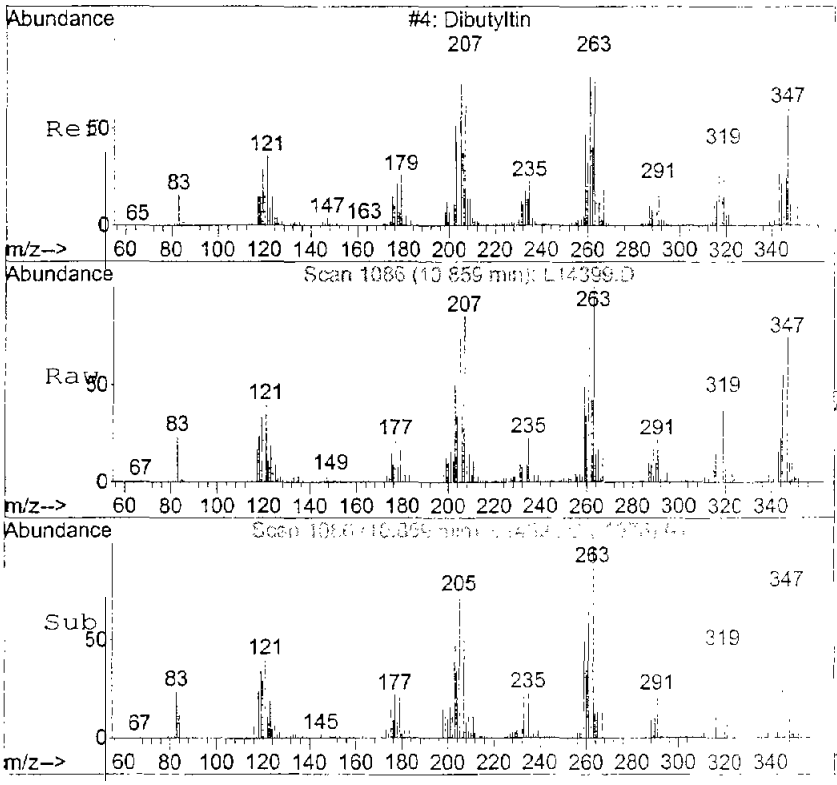


#4
Tributyltin
Concen: 75.71 PG/UL
RT: 10.14 min Scan# 10_4
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:319 Resp: 153272

Ion	Ratio	Lower	Upper
319	100		
317	28.7	20.5	38.1
263	34.4	23.0	42.8

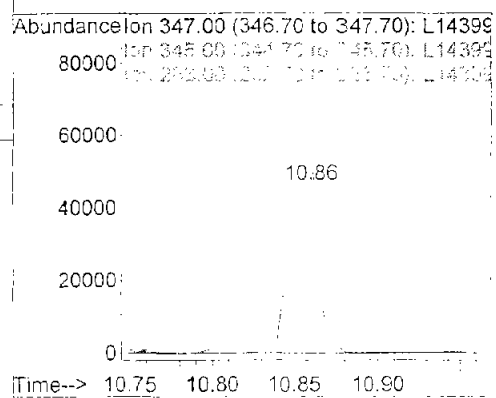


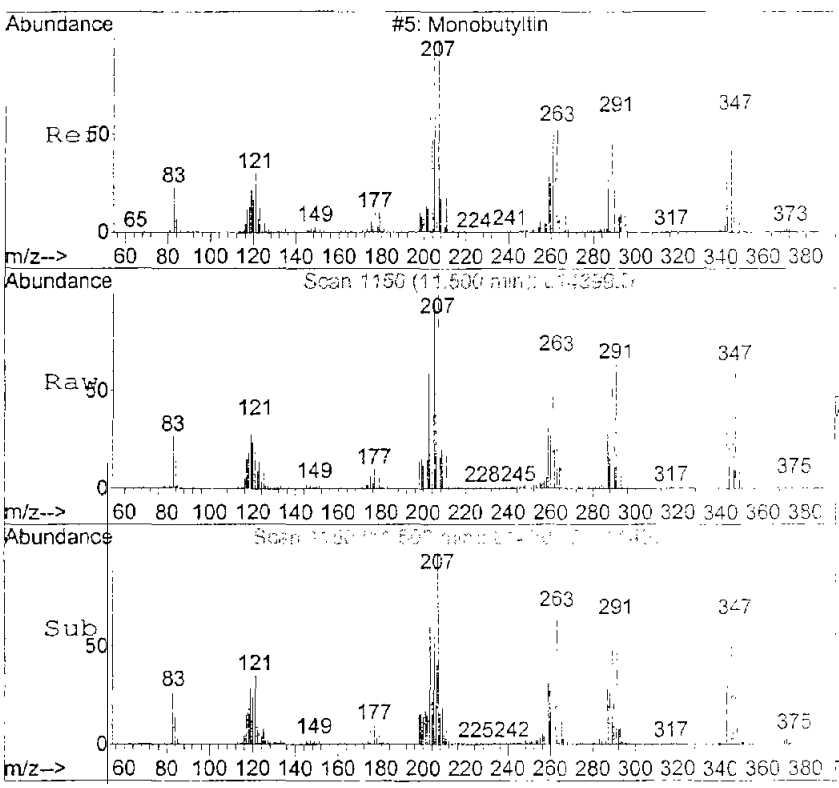


#5
Dibutyltin
Concen: 56.17 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:347 Resp: 151766

Ion	Ratio	Lower	Upper
347	100		
345	31.5	20.9	38.7
263	61.8	42.9	79.7

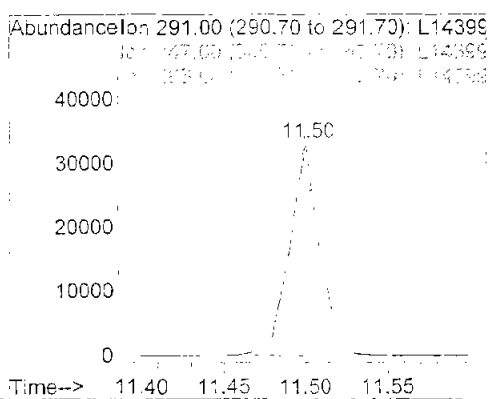




#6
Monobutyltin
Concen: 42.43 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:291 Resp: 130069

Ion	Ratio	Lower	Upper
291	100		
347	31.5	22.8	42.4
263	34.1	22.7	42.3



CONTINUING CALIBRATION

Sequence Log

Directory : t:\Data\1222004

#	Filename	Sample Name	Date/Time
1	l14434.d	2.5 NG/UL DFTPP	12/01/04 14:24
2	l14435.d	100 PG/UL ORGTIN CCAL 979-34-3B	12/01/04 15:43
3	l14436.d	STN0119 MB #15.0000 &20 SOIL ORGTIN	12/01/04 16:07
4	l14437.d	STN0119 BS #15.0000 &20 SOIL ORGTIN	12/01/04 16:31
5	l14438.d	STN0119 BSD #15.0000 &20 SOIL ORGTIN	12/01/04 16:55
6	l14439.d	125059-1 MS &20 SOIL ORGTIN	12/01/04 17:19
7	l14440.d	125059-1 MSD &20 SOIL ORGTIN	12/01/04 17:43
8	l14441.d	125059-1 &20 SOIL ORGTIN	12/01/04 18:07
9	l14442.d	125059-2 &20 SOIL ORGTIN	12/01/04 18:31
10	l14443.d	125059-3 &20 SOIL ORGTIN	12/01/04 18:55
11	l14444.d	125059-4 &20 SOIL ORGTIN	12/01/04 19:19
12	l14445.d	125059-12 S &20 SOIL ORGTIN	12/01/04 19:43
13	l14446.d	125059-13 S &20 SOIL ORGTIN	12/01/04 20:07
14	l14447.d	125059-14 S &20 SOIL ORGTIN	12/01/04 20:31
15	l14448.d	125059-15 S &20 SOIL ORGTIN	12/01/04 20:55
16	l14449.d	125059-16 S &20 SOIL ORGTIN	12/01/04 21:20
17	l14450.d	125059-17 S &20 SOIL ORGTIN	12/01/04 21:44
18	l14451.d	125060-3 &20 SOIL ORGTIN	12/01/04 22:08
19	l14452.d	125060-4 &20 SOIL ORGTIN	12/01/04 22:32
20	l14453.d	125060-6 &20 SOIL ORGTIN	12/01/04 22:56
21	l14454.d	WTN0193 MB #1000 &2 WATER ORGTIN	12/01/04 23:21
22	l14455.d	WTN0193 BS #1000 &2 WATER ORGTIN	12/01/04 23:45
23	l14456.d	WTN0193 BSD #1000 &2 WATER ORGTIN	12/02/04 00:09
24	l14457.d	125053-1 &2 WATER ORGTIN	12/02/04 00:34
25	l14458.d	125060-11 &2 WATER ORGTIN	12/02/04 00:58

Evaluate Continuing Calibration Report

Data File : T:\DATA\1222004\L14435.D Vial: 0
Acq On : 01 Dec 2004 15:43 Operator:
Sample : 100 PG/UL ORGTIN CCAL 979-34-3B Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:29:51 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Phenanthrene D10 (I)	1.000	1.000	0.0	80	0.00
2	S	Tripentyltin (S)	1.091	1.109	-1.6	74	0.00
3	T	Tetrabutyltin	0.973	1.033	-6.2	85	0.00
4	T	Tributyltin	1.695	1.914	-12.9	88	0.00
5	T	Dibutyltin	2.262	2.148	5.0	74	0.00
6	T	Monobutyltin	2.566	2.473	3.6	75	0.00

(#) = Out of Range SPCC's 45927 = 0 CCC's out = 0
L14435.D ORGTIN112404.M Thu Dec 02 10:31:24 2004 Page 1

00943

Quantitation Report (Not Reviewed)

Data File : T:\DATA\122004\L14435.D Vial: 0
Acq On : 01 Dec 2004 15:43 Operator:
Sample : 100 PG/UL ORGTIN CCAL 979-34-3B Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 10:29:55 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:29:51 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.84	188	98812+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.97	347	87099+	80.80	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.17	235	102100+	106.23	PG/UL	99
4) Tributyltin	9.96	319	138632+	82.78	PG/UL	98
5) Dibutyltin	10.67	347	122477+	54.80	PG/UL	90
6) Monobutyltin	11.31	291	99461+	39.22	PG/UL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed
L14435.D ORGTIN112404.M Thu Dec 02 10:31:37 2004 Page 1

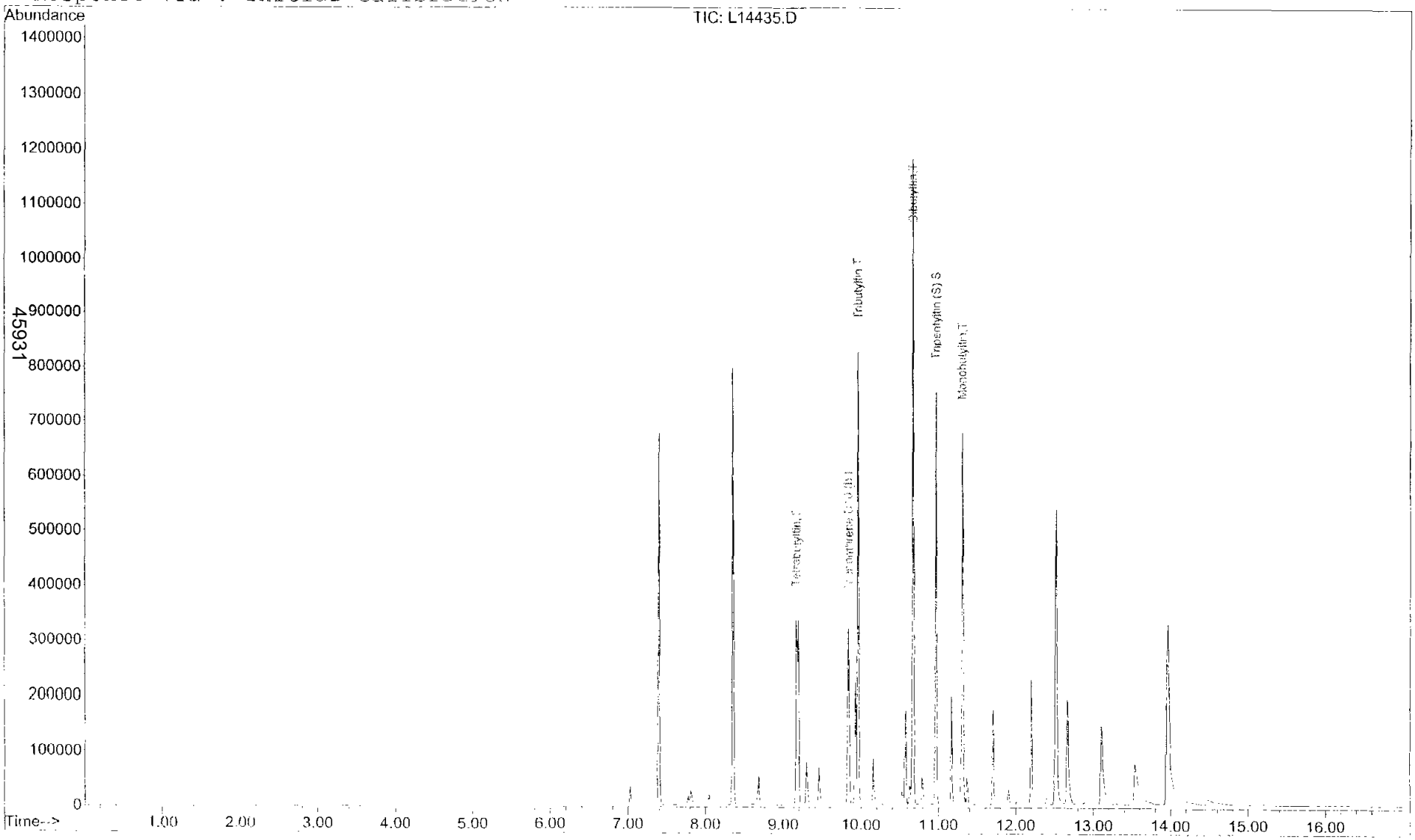
Quantitation Report (Not Reviewed)

Data File : T:\DATA\122004\L14435.D
Acq On : 01 Dec 2004 15:43
Sample : 100 PG/UL ORGTIN CCAL 979-34-3B
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 2 10:29 2004

Vial: 0
Operator:
Inst :
Multiplr: 1.00

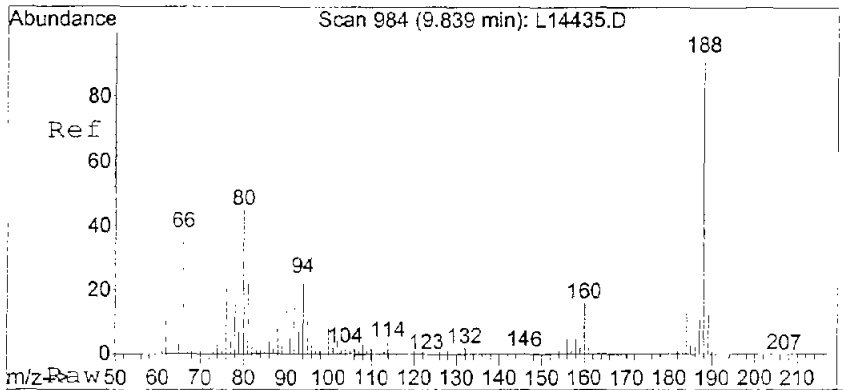
Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:29:51 2004
Response via : Initial Calibration



45931

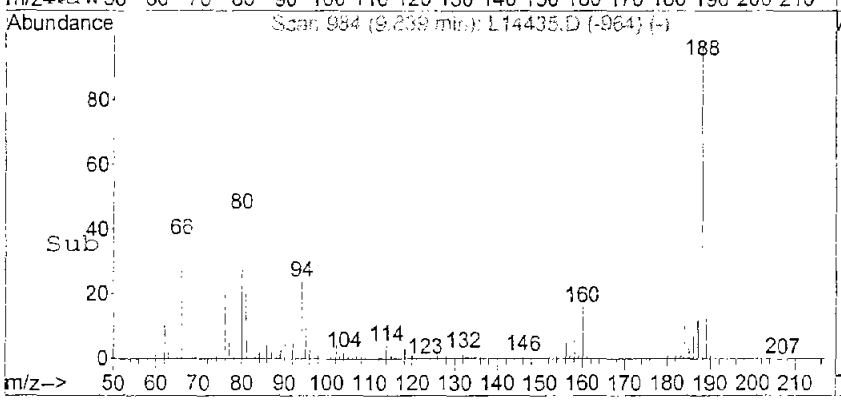
00945

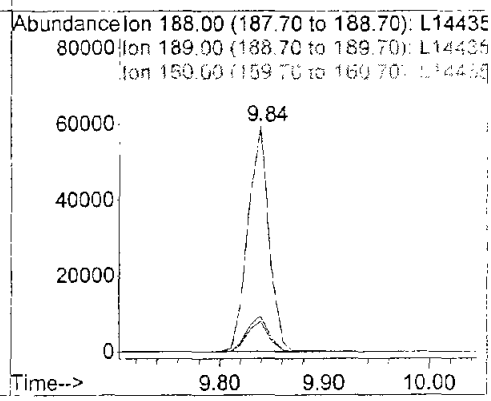


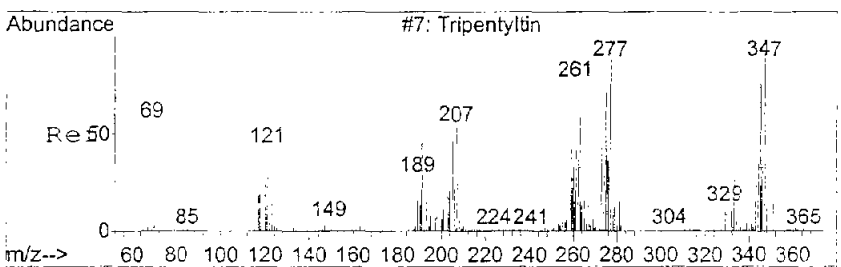
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.84 min Scan# 984
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

Tgt Ion:188 Resp: 98812

Ion	Ratio	Lower	Upper
188	100		
189	11.6	6.8	16.0
160	14.1	8.2	19.2



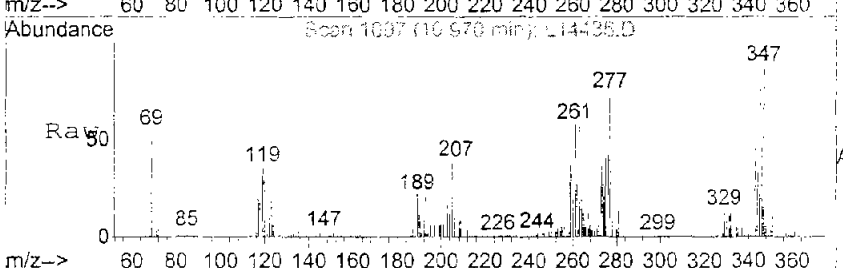


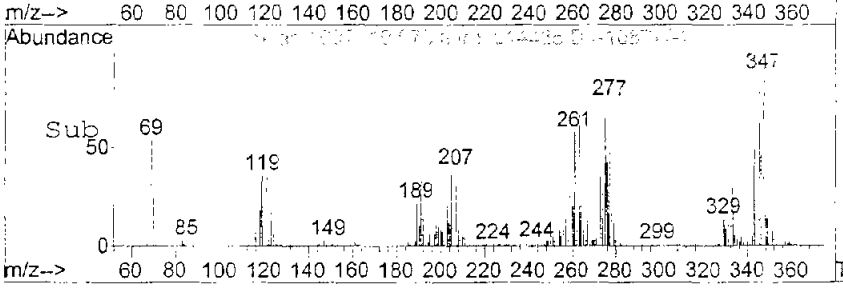


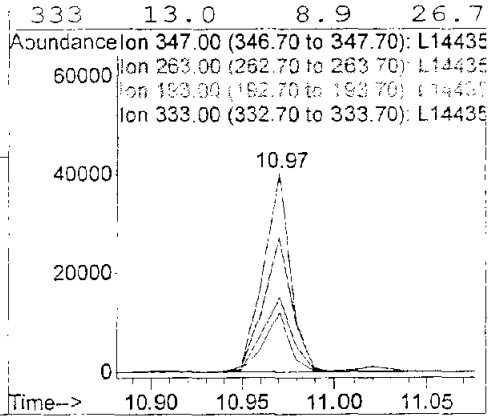
#2
Tripentyltin (S)
Concen: 80.80 PG/UL
RT: 10.97 min Scan# 1097
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

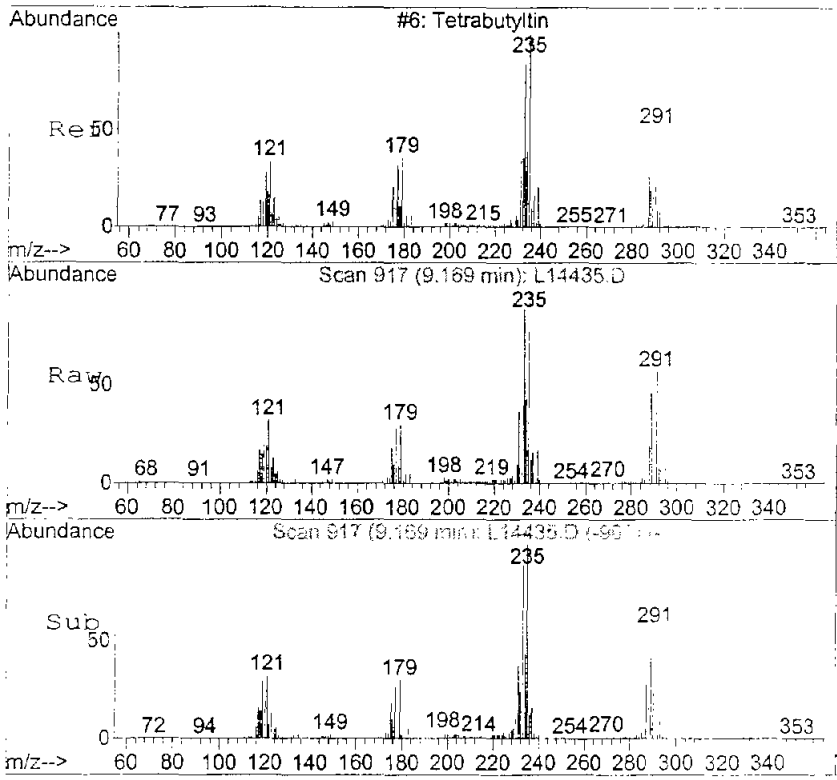
Tgt Ion:347 Resp: 87099

Ion	Ratio	Lower	Upper
347	100		
263	34.0	16.1	64.3
193	19.7	11.2	33.6
333	13.0	8.9	26.7





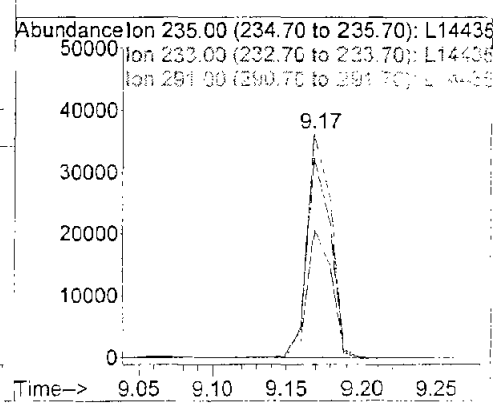


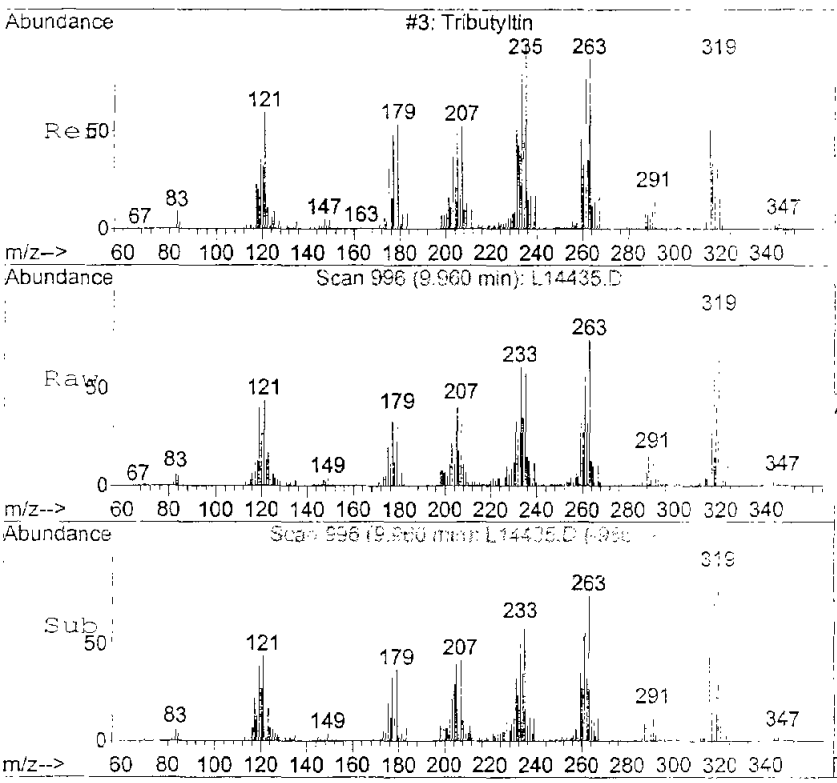


#3
Tetrabutyltin
Concen: 106.23 PG/UL
RT: 9.17 min Scan# 917
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

Tgt Ion:235 Resp: 102100

Ion	Ratio	Lower	Upper
235	100		
233	35.8	25.3	47.1
291	23.4	16.2	30.2

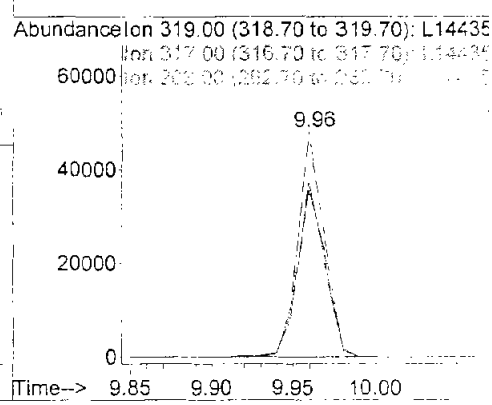


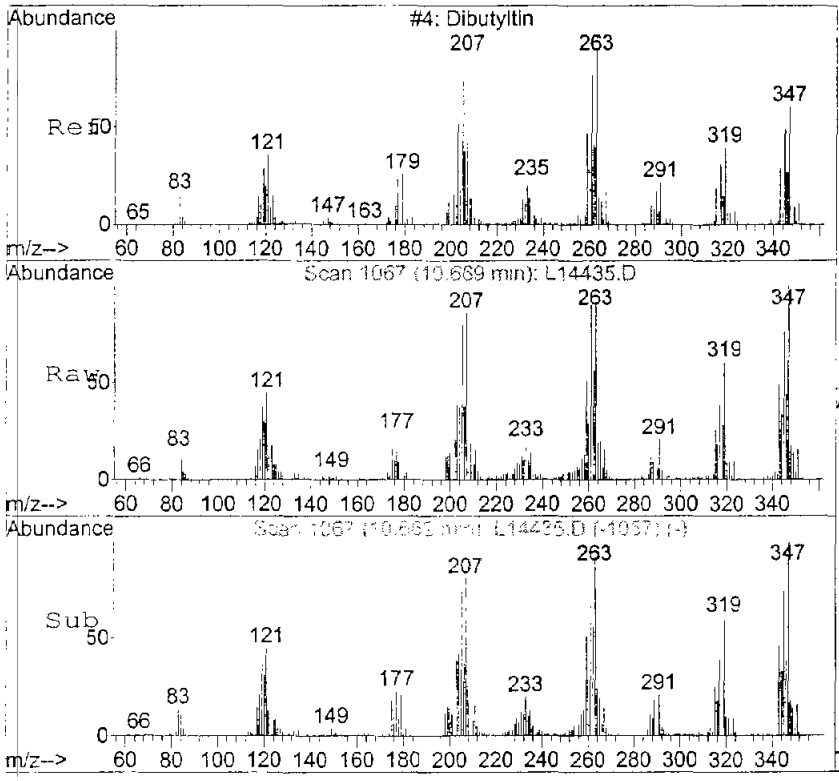


#4
Tributyltin
Concen: 82.78 PG/UL
RT: 9.96 min Scan# 996
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

Tgt Ion:319 Resp: 138632

Ion	Ratio	Lower	Upper
319	100		
317	30.6	21.7	40.3
263	31.1	20.6	38.4

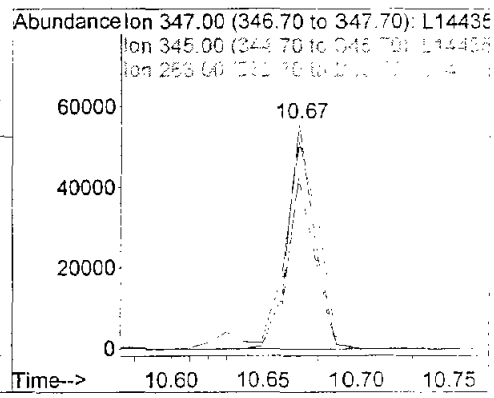


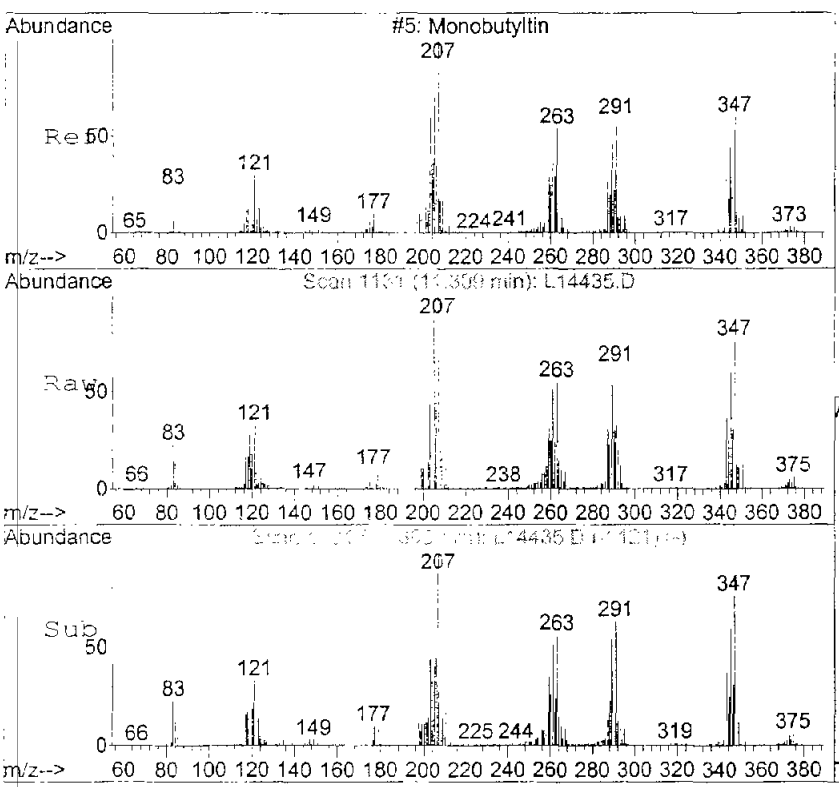


#5
Dibutyltin
Concen: 54.80 PG/UL
RT: 10.67 min Scan# 1067
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

Tgt Ion:347 Resp: 122477

Ion	Ratio	Lower	Upper
347	100		
345	34.7	27.6	51.4
263	56.1	33.5	62.3

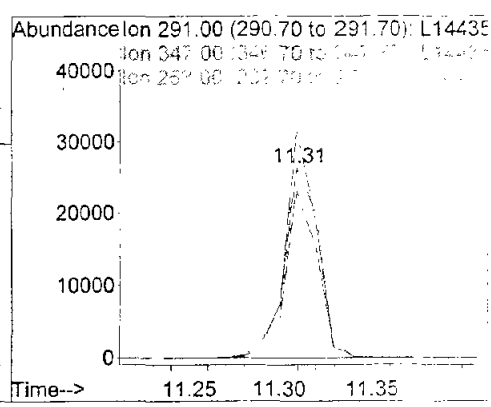




#6
Monobutyltin
Concen: 39.22 PG/UL
RT: 11.31 min Scan# 1131
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

Tgt Ion:291 Resp: 99461

Ion	Ratio	Lower	Upper
291	100		
347	37.0	15.6	62.2
263	28.7	11.4	45.8



Sequence Log

Directory : t:\Data\1222004

#	Filename	Sample Name	Date/Time
1	l14434.d	2.5 NG/UL DFTPP	12/01/04 14:24
2	l14435.d	100 PG/UL ORGTIN CCAL 979-34-3B	12/01/04 15:43
3	l14436.d	STN0119 MB #15.0000 &20 SOIL ORGTIN	12/01/04 16:07
4	l14437.d	STN0119 BS #15.0000 &20 SOIL ORGTIN	12/01/04 16:31
5	l14438.d	STN0119 BSD #15.0000 &20 SOIL ORGTIN	12/01/04 16:55
6	l14439.d	125059-1 MS &20 SOIL ORGTIN	12/01/04 17:19
7	l14440.d	125059-1 MSD &20 SOIL ORGTIN	12/01/04 17:43
8	l14441.d	125059-1 &20 SOIL ORGTIN	12/01/04 18:07
9	l14442.d	125059-2 &20 SOIL ORGTIN	12/01/04 18:31
10	l14443.d	125059-3 &20 SOIL ORGTIN	12/01/04 18:55
11	l14444.d	125059-4 &20 SOIL ORGTIN	12/01/04 19:19
12	l14445.d	125059-12 S &20 SOIL ORGTIN	12/01/04 19:43
13	l14446.d	125059-13 S &20 SOIL ORGTIN	12/01/04 20:07
14	l14447.d	125059-14 S &20 SOIL ORGTIN	12/01/04 20:31
15	l14448.d	125059-15 S &20 SOIL ORGTIN	12/01/04 20:55
16	l14449.d	125059-16 S &20 SOIL ORGTIN	12/01/04 21:20
17	l14450.d	125059-17 S &20 SOIL ORGTIN	12/01/04 21:44
18	l14451.d	125060-3 &20 SOIL ORGTIN	12/01/04 22:08
19	l14452.d	125060-4 &20 SOIL ORGTIN	12/01/04 22:32
20	l14453.d	125060-6 &20 SOIL ORGTIN	12/01/04 22:56
21	l14454.d	WTN0193 MB #1000 &2 WATER ORGTIN	12/01/04 23:21
22	l14455.d	WTN0193 BS #1000 &2 WATER ORGTIN	12/01/04 23:45
23	l14456.d	WTN0193 BSD #1000 &2 WATER ORGTIN	12/02/04 00:09
24	l14457.d	125053-1 &2 WATER ORGTIN	12/02/04 00:34
25	l14458.d	125060-11 &2 WATER ORGTIN	12/02/04 00:58

Evaluate Continuing Calibration Report

Data File : T:\DATA\1222004\L14435.D Vial: 0
Acq On : 01 Dec 2004 15:43 Operator:
Sample : 100 PG/UL ORGTIN CCAL 979-34-3B Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:29:51 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Phenanthrene D10 (I)	1.000	1.000	0.0	80	0.00
2	S	Tripentyltin (S)	1.091	1.109	-1.6	74	0.00
3	T	Tetrabutyltin	0.973	1.033	-6.2	85	0.00
4	T	Tributyltin	1.695	1.914	-12.9	88	0.00
5	T	Dibutyltin	2.262	2.148	5.0	74	0.00
6	T	Monobutyltin	2.566	2.473	3.6	75	0.00

Quantitation Report (Not Reviewed)

Data File : T:\DATA\1222004\L14435.D Vial: 0
Acq On : 01 Dec 2004 15:43 Operator:
Sample : 100 PG/UL ORGTIN CCAL 979-34-3B Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 10:29:55 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:29:51 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.84	188	98812+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.97	347	87099+	80.80	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.17	235	102100+	106.23	PG/UL	99
4) Tributyltin	9.96	319	138632+	82.78	PG/UL	98
5) Dibutyltin	10.67	347	122477+	54.80	PG/UL	90
6) Monobutyltin	11.31	291	99461+	39.22	PG/UL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

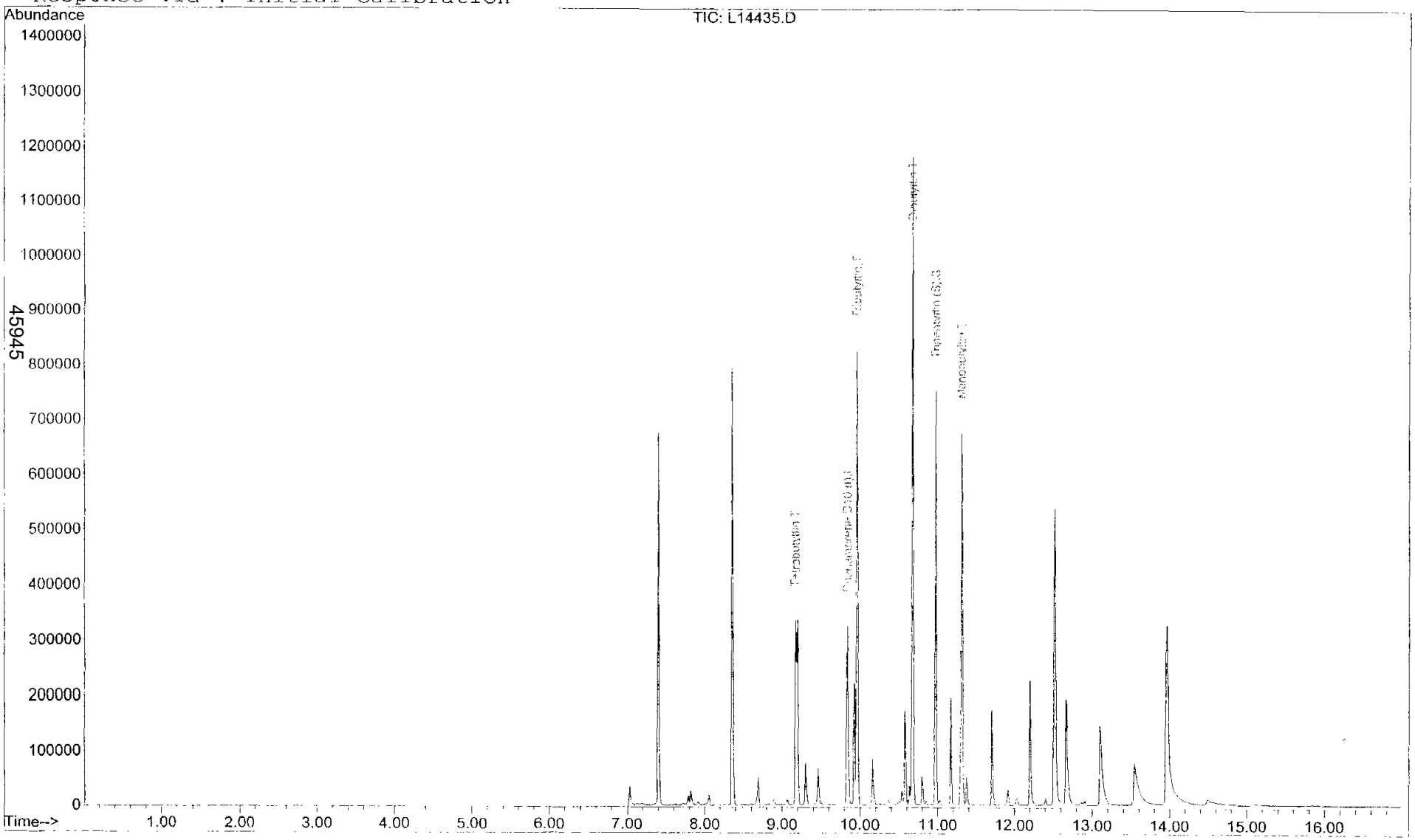
Quantitation Report (Not Reviewed)

Data File : T:\DATA\1222004\L14435.D
Acq On : 01 Dec 2004 15:43
Sample : 100 PG/UL ORGTIN CCAL 979-34-3B
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 2 10:29 2004

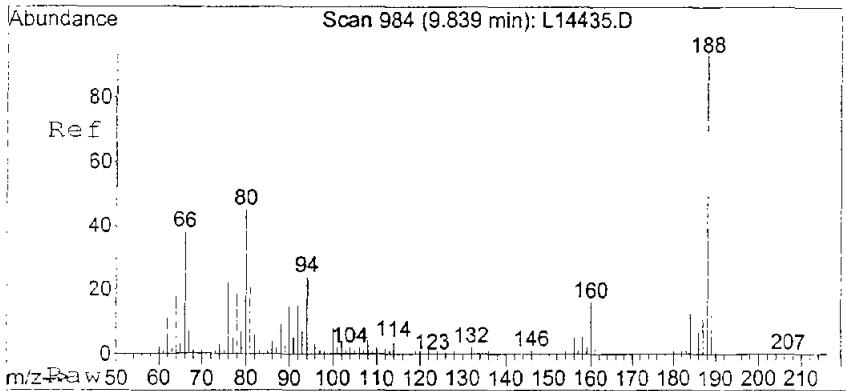
Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:29:51 2004
Response via : Initial Calibration



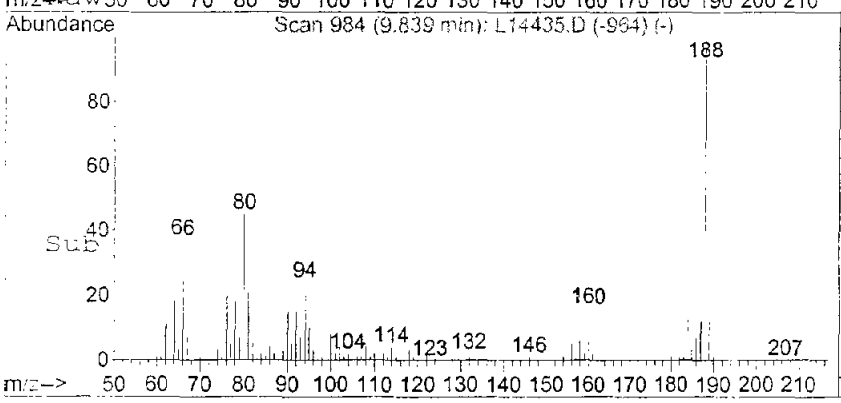
00952

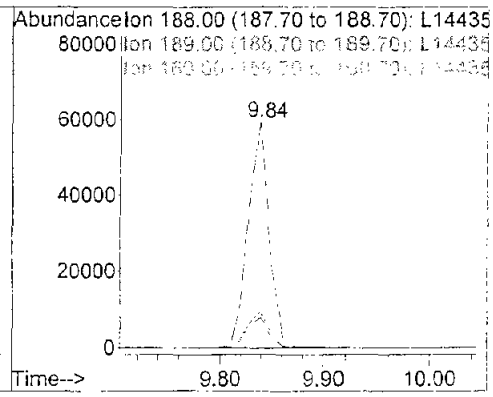


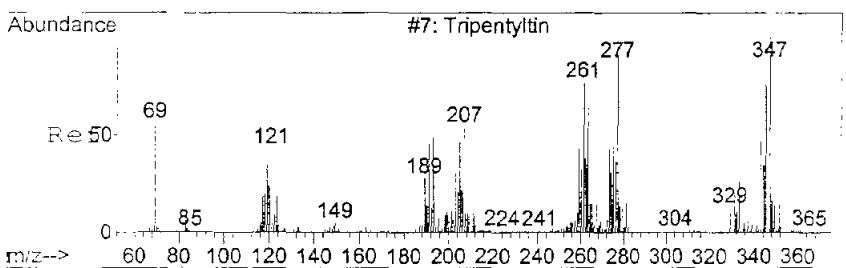
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.84 min Scan# 984
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

Tgt Ion:188 Resp: 98812

Ion	Ratio	Lower	Upper
188	100		
189	11.6	6.8	16.0
160	14.1	8.2	19.2



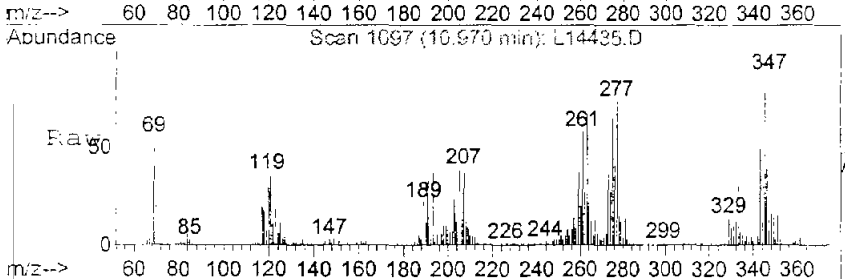


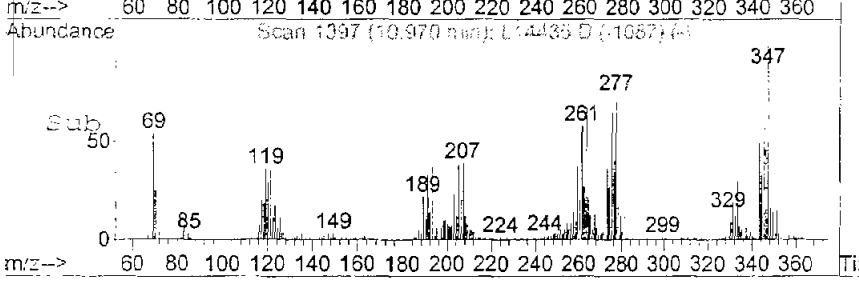


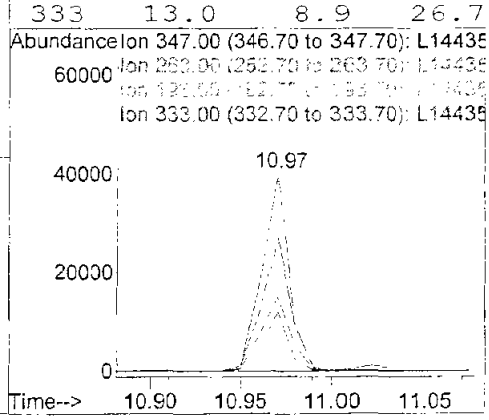
#2
Tripentyltin (S)
Concen: 80.80 PG/UL
RT: 10.97 min Scan# 1097
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

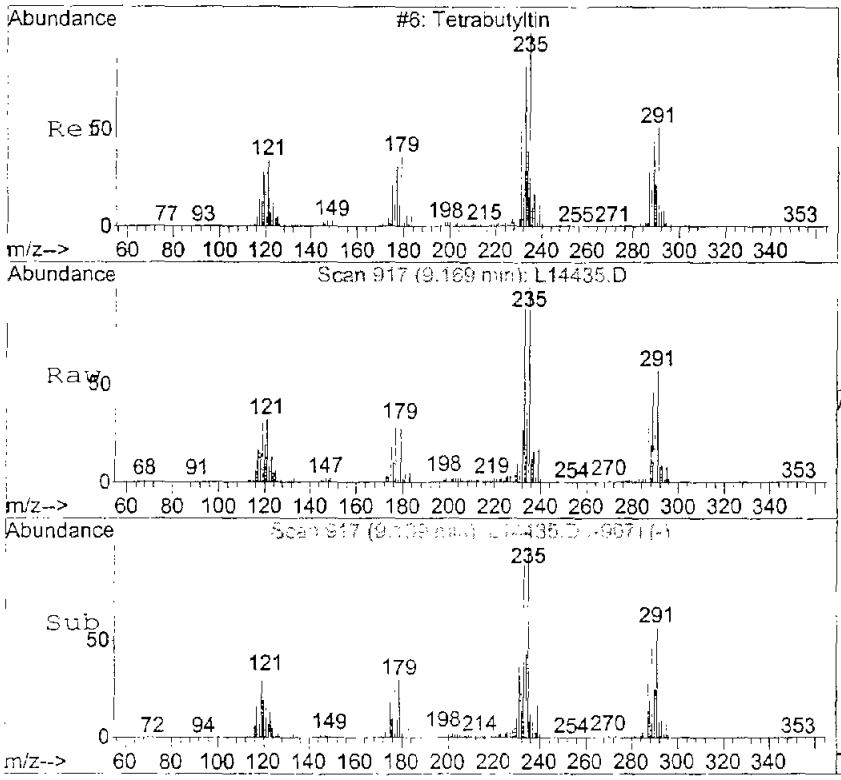
Tgt Ion:347 Resp: 87099

Ion	Ratio	Lower	Upper
347	100		
263	34.0	16.1	64.3
193	19.7	11.2	33.6
333	13.0	8.9	26.7





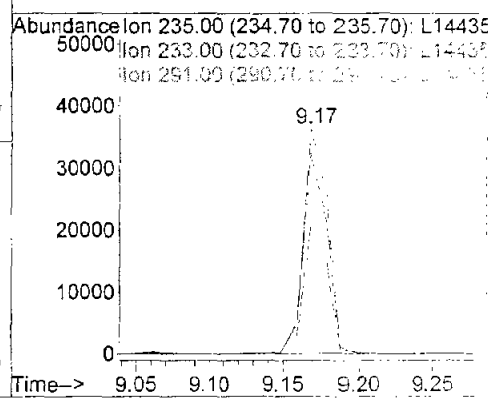


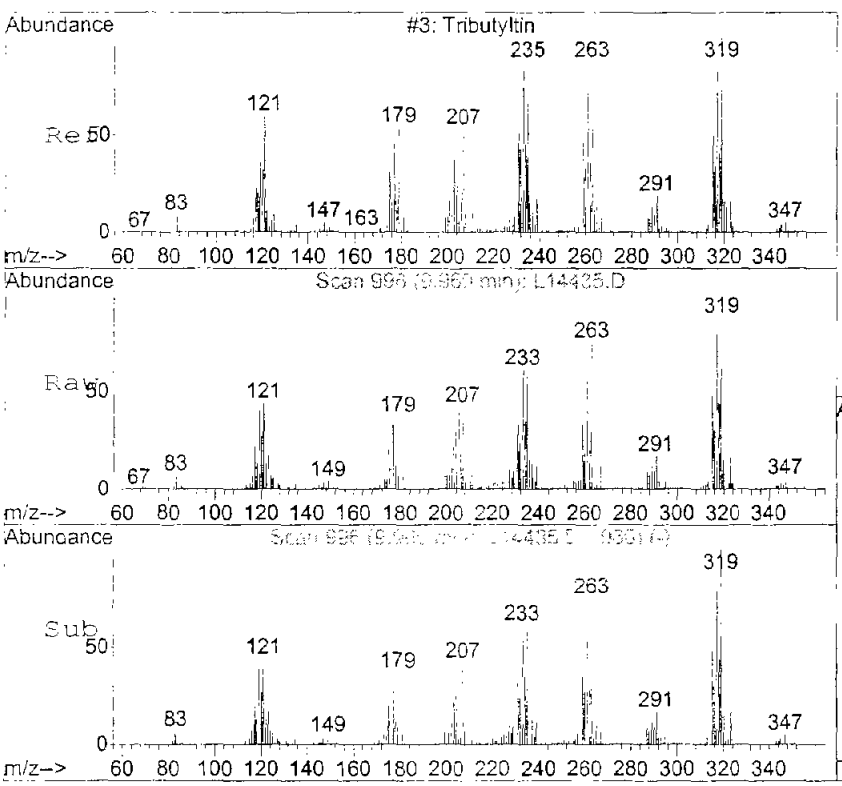


#3
Tetrabutyltin
Concen: 106.23 PG/UL
RT: 9.17 min Scan# 917
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

Tgt Ion:235 Resp: 102100

Ion	Ratio	Lower	Upper
235	100		
233	35.8	25.3	47.1
291	23.4	16.2	30.2

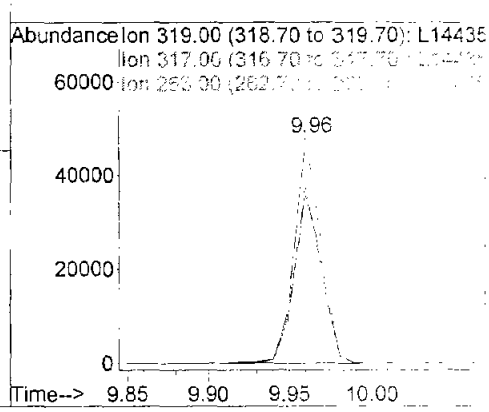


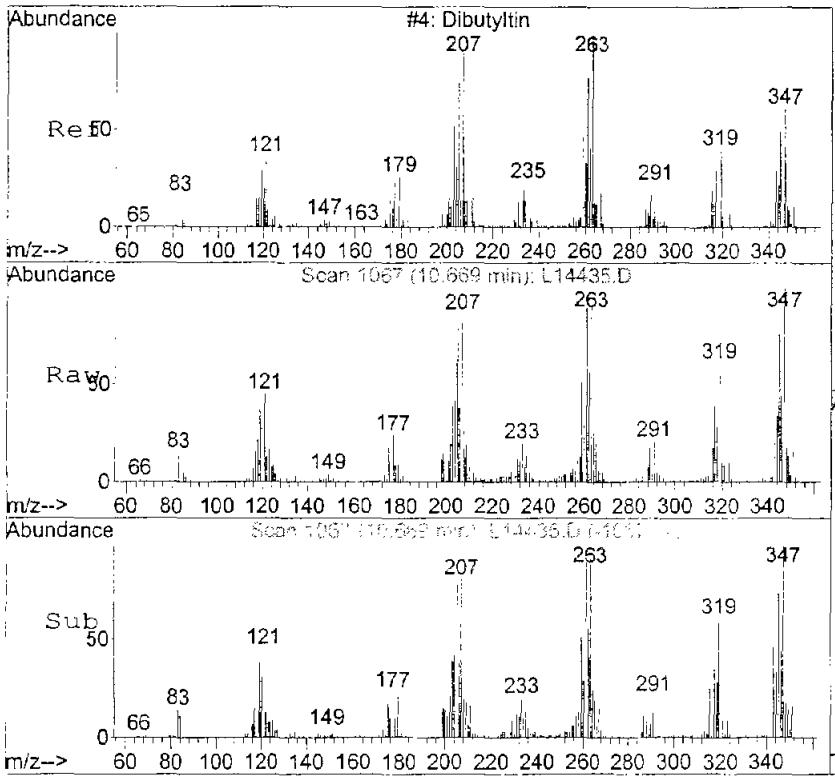


#4
Tributyltin
Concen: 82.78 PG/UL
RT: 9.96 min Scan# 996
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

Tgt Ion:319 Resp: 138632

Ion	Ratio	Lower	Upper
319	100		
317	30.6	21.7	40.3
263	31.1	20.6	38.4

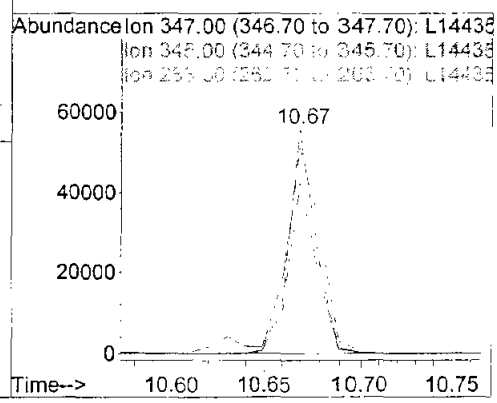


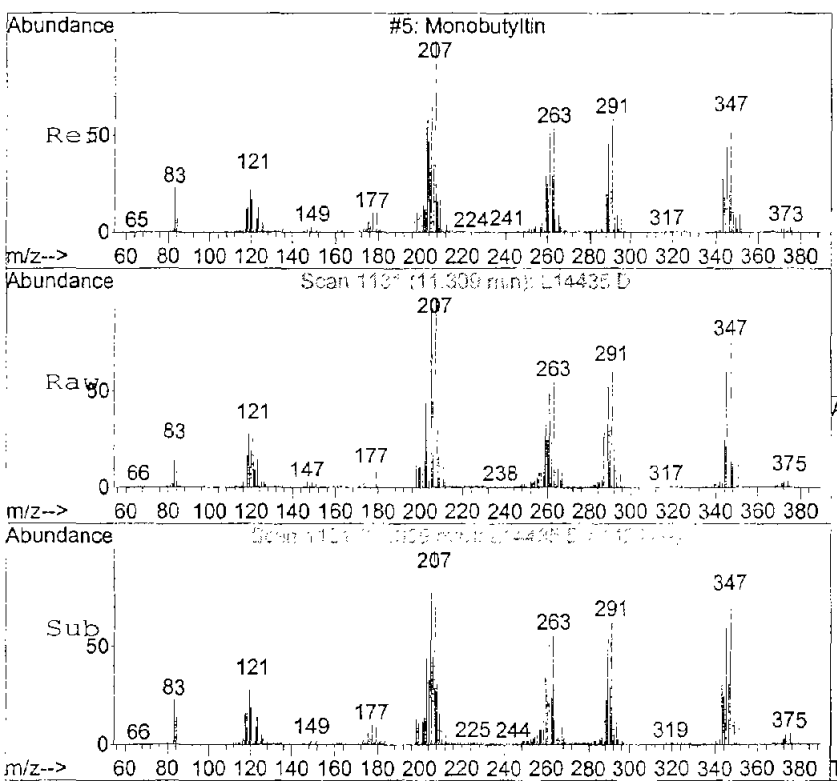


#5
Dibutyltin
Concen: 54.80 PG/UL
RT: 10.67 min Scan# 1067
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

Tgt Ion:347 Resp: 122477

Ion	Ratio	Lower	Upper
347	100		
345	34.7	27.6	51.4
263	56.1	33.5	62.3

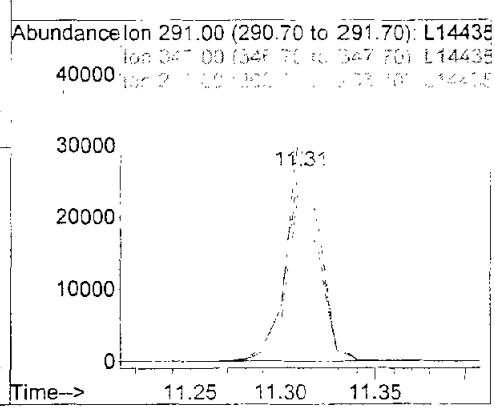




#6
Monobutyltin
Concen: 39.22 PG/UL
RT: 11.31 min Scan# 1131
Delta R.T. 0.00 min
Lab File: L14435.D
Acq: 01 Dec 2004 15:43

Tgt Ion:291 Resp: 99461

Ion	Ratio	Lower	Upper
291	100		
347	37.0	15.6	62.2
263	28.7	11.4	45.8

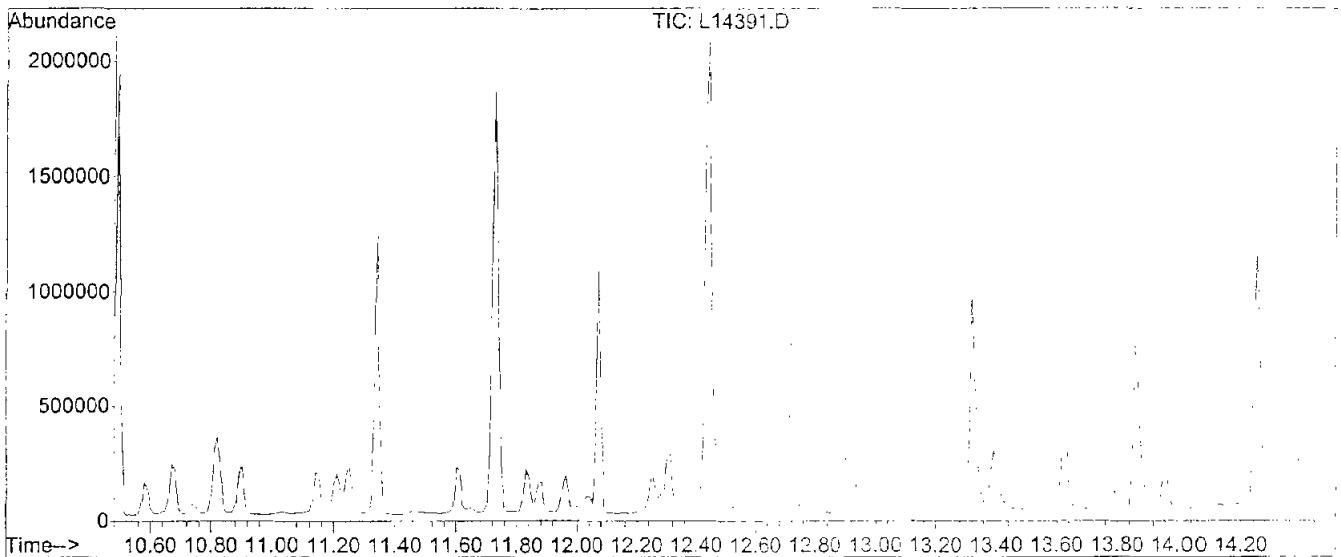


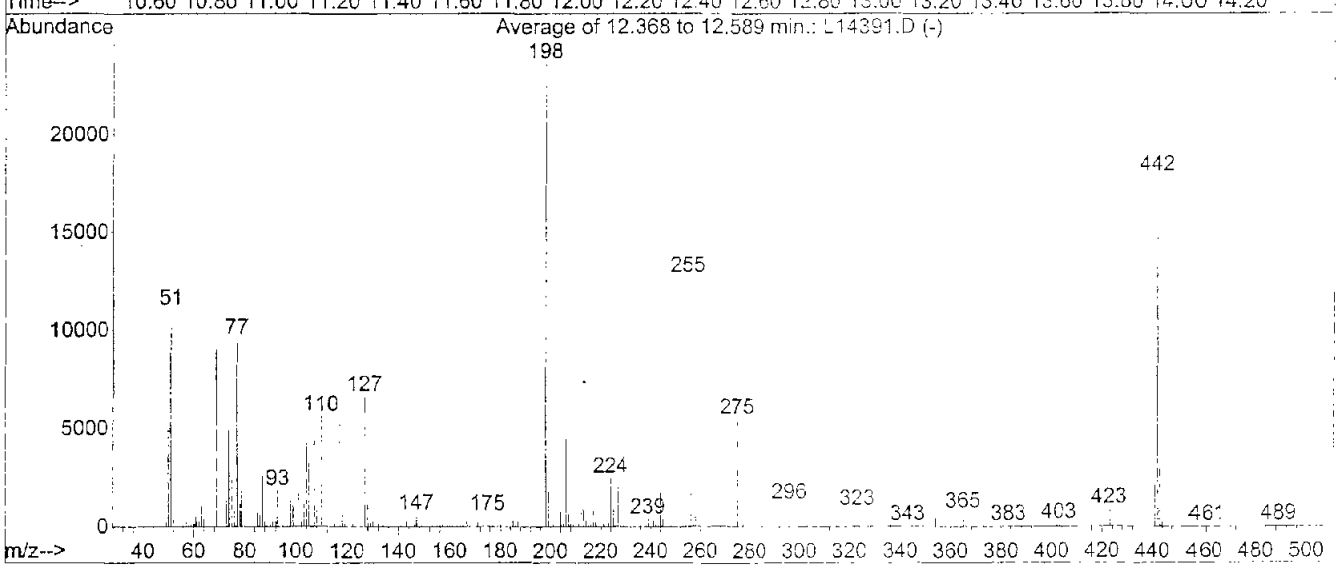
DFTPP TUNING

00956

DFTPP

Data File : T:\DATA\11292004\L14391.D Vial: 0
Acq On : 24 Nov 2004 11:06 Operator:
Sample : 2.5 NG/UL DFTPP Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : T:\METHODS\ORGTIN111804.M (RTE Integrator)
Title : ORGANOTIN





Spectrum Information: Average of 12.368 to 12.589 min.

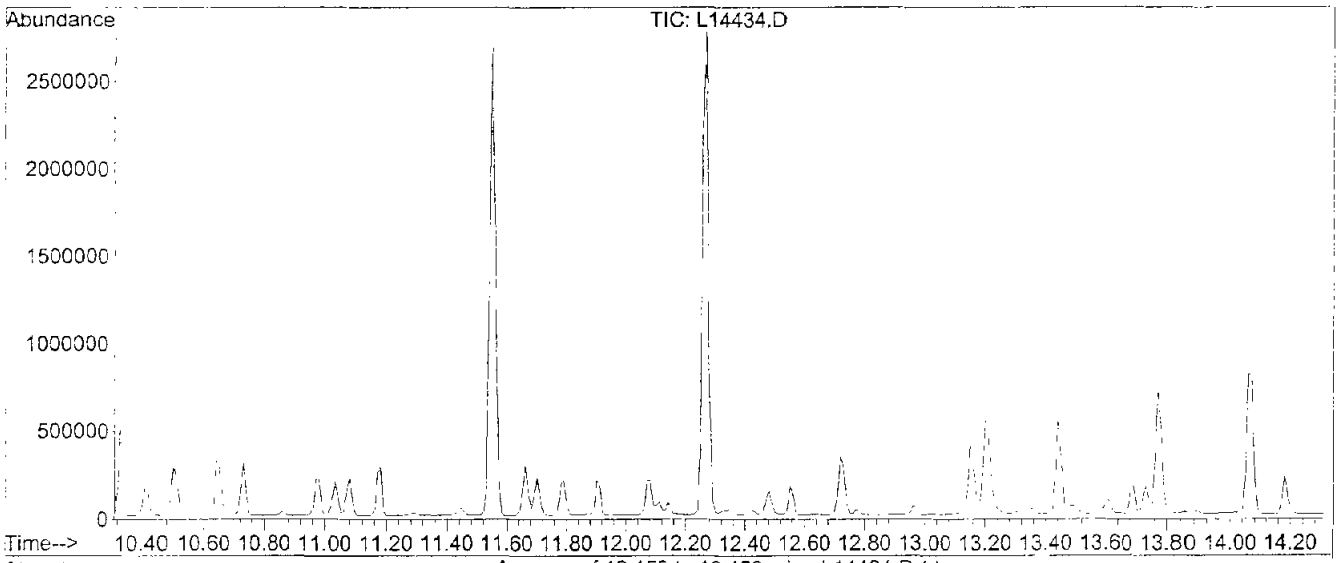
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.6	11049	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.0	9016	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	28.1	6664	PASS
197	198	0.00	1	0.2	38	PASS
198	198	50	100	100.0	23724	PASS
199	198	5	9	7.7	1838	PASS
275	198	10	60	23.2	5497	PASS
365	198	1	100	3.0	709	PASS
441	443	0.01	100	66.0	2117	PASS
442	198	50	100	75.2	17838	PASS
443	442	15	24	18.0	3208	PASS

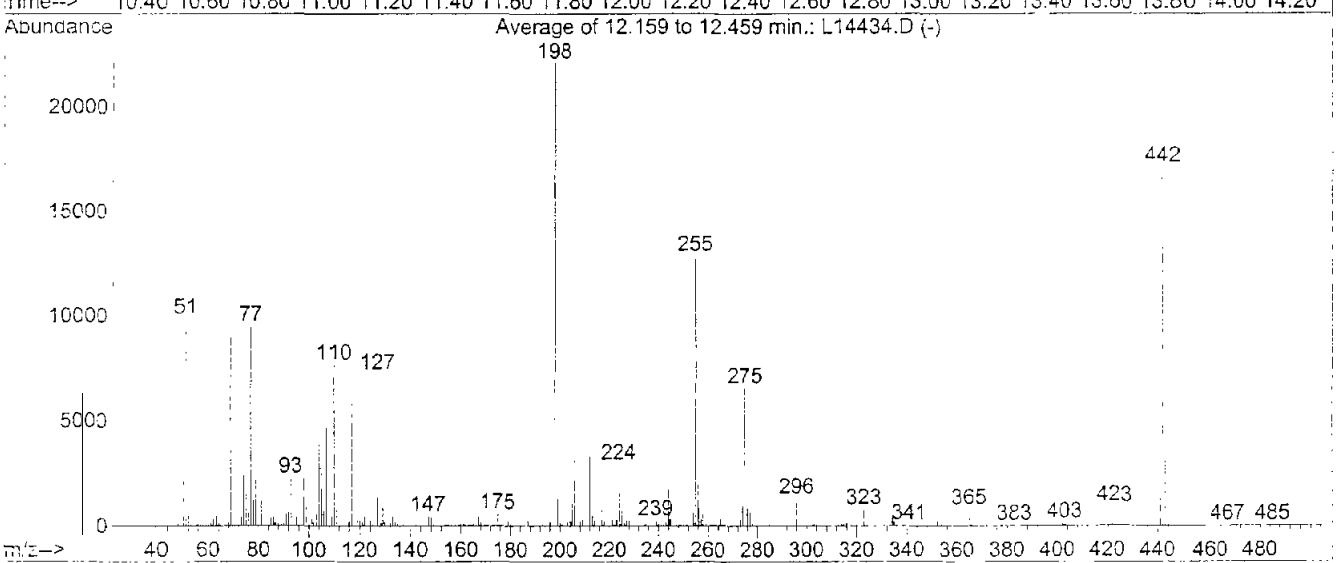
L14391.D ORGTIN111804.M Mon Nov 29 13:54:58 2004

DFTPP

Data File : T:\DATA\122004\L14434.D
Acq On : 01 Dec 2004 14:24
Sample : 2.5 NG/UL DFTPP
Misc :
MS Integration Params: rteint.p
Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN

Vial: 0
Operator:
Inst :
Multiplr: 1.00





Spectrum Information: Average of 12.159 to 12.459 min.

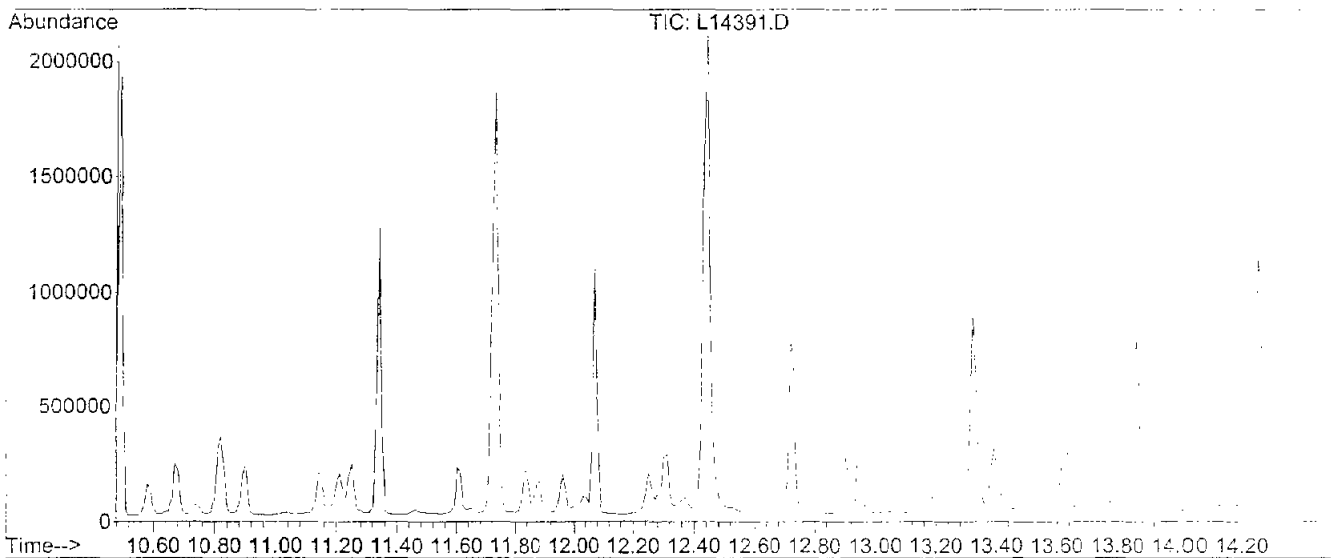
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.5	9845	PASS
68	69	0.00	2	1.9	168	PASS
69	198	0.00	100	40.9	9042	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	32.6	7209	PASS
197	198	0.00	1	0.2	39	PASS
198	198	50	100	100.0	22112	PASS
199	198	5	9	6.5	1431	PASS
275	198	10	60	29.6	6541	PASS
365	198	1	100	3.5	784	PASS
441	443	0.01	100	67.3	2309	PASS
442	198	50	100	77.3	17084	PASS
443	442	15	24	20.1	3430	PASS

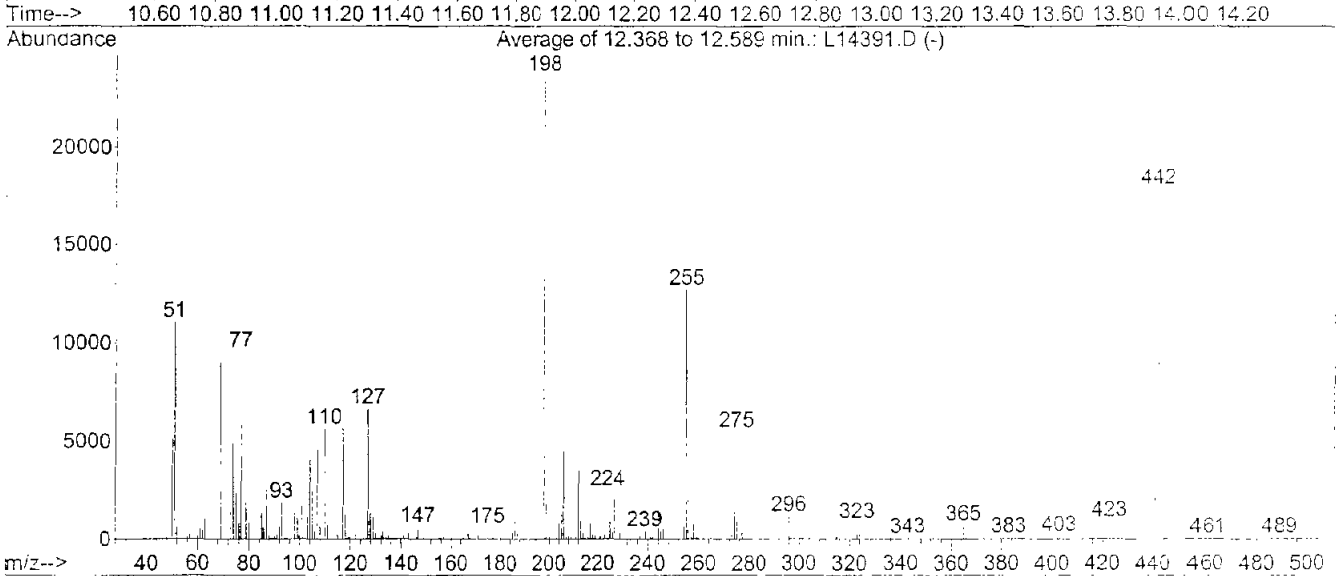
L14434.D ORGTIN112404.M Thu Dec 02 10:28:59 2004

DFTPP

Data File : T:\DATA\11292004\L14391.D
Acq On : 24 Nov 2004 11:06
Sample : 2.5 NG/UL DFTPP
Misc :
MS Integration Params: rteint.p
Method : T:\METHODS\ORGTIN111804.M (RTE Integrator)
Title : ORGANOTIN

Vial: 0
Operator:
Inst :
Multiplr: 1.00





Spectrum Information: Average of 12.368 to 12.589 min.

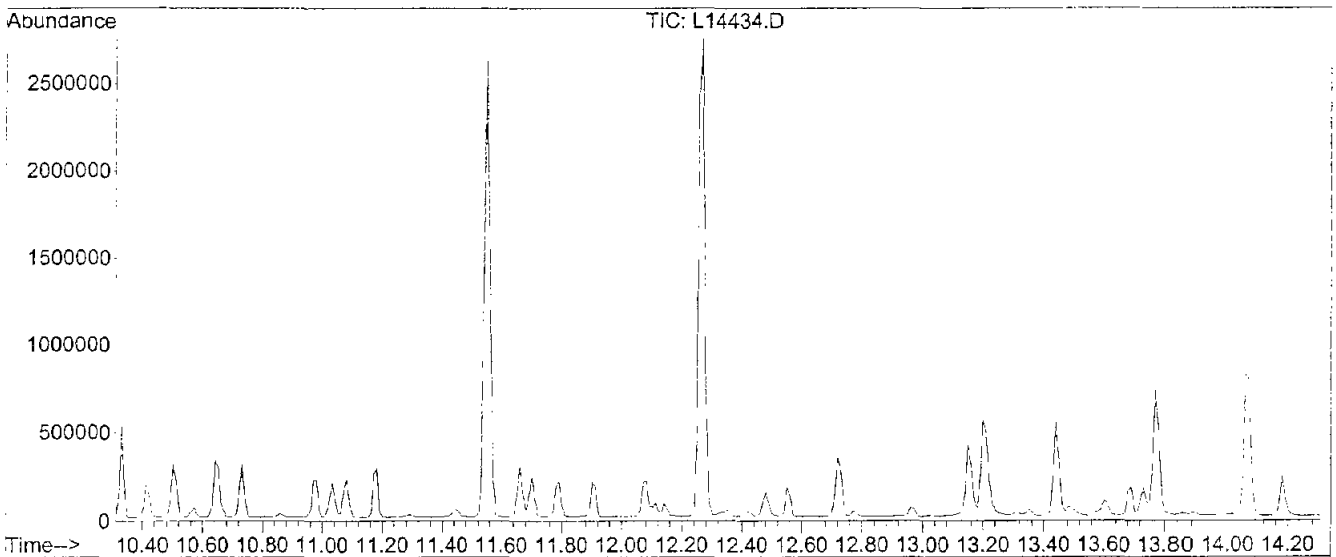
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.6	11049	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	38.0	9016	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	28.1	6664	PASS
197	198	0.00	1	0.2	38	PASS
198	198	50	100	100.0	23724	PASS
199	198	5	9	7.7	1836	PASS
275	198	10	60	23.2	5497	PASS
365	198	1	100	3.0	709	PASS
441	443	0.01	100	66.0	2117	PASS
442	198	50	100	75.2	17838	PASS
443	442	15	24	18.0	3208	PASS

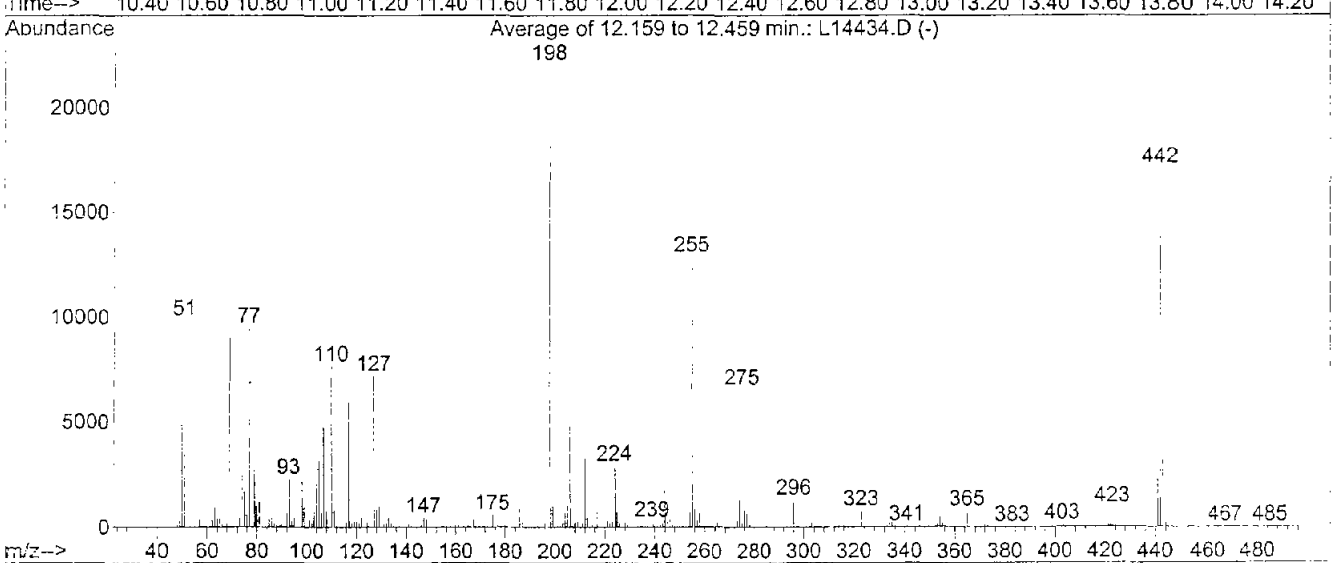
L14391.D ORGTIN111804.M Mon Nov 29 13:54:58 2004

DFTPP

Data File : T:\DATA\1222004\L14434.D
Acq On : 01 Dec 2004 14:24
Sample : 2.5 NG/UL DFTPP
Misc :
MS Integration Params: rteint.p
Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN

Vial: 0
Operator:
Inst :
Multiplr: 1.00





Spectrum Information: Average of 12.159 to 12.459 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.5	9845	PASS
68	69	0.00	2	1.9	168	PASS
69	198	0.00	100	40.9	9042	PASS
70	69	0.00	2	0.0	0	PASS
127	198	10	80	32.6	7209	PASS
197	198	0.00	1	0.2	39	PASS
198	198	50	100	100.0	22112	PASS
199	198	5	9	6.5	1431	PASS
275	198	10	60	29.6	6541	PASS
365	198	1	100	3.5	784	PASS
441	443	0.01	100	67.3	2309	PASS
442	198	50	100	77.3	17084	PASS
443	442	15	24	20.1	3430	PASS

L14434.D ORGTIN112404.M Thu Dec 02 10:28:59 2004

METHOD BLANK

Quantitation Report (QT Reviewed)

Data File : T:\DATA\122004\L14436.D Vial: 0
Acq On : 01 Dec 2004 16:07 Operator:
Sample : STN0119 MB #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 10:32:21 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:32:16 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.85	188	100722+	100.00	pg/ul	0.01
System Monitoring Compounds						
2) Tripentyltin (S)	10.98	347	81767+	74.42	PG/UL	0.00

Target Compounds Qvalue

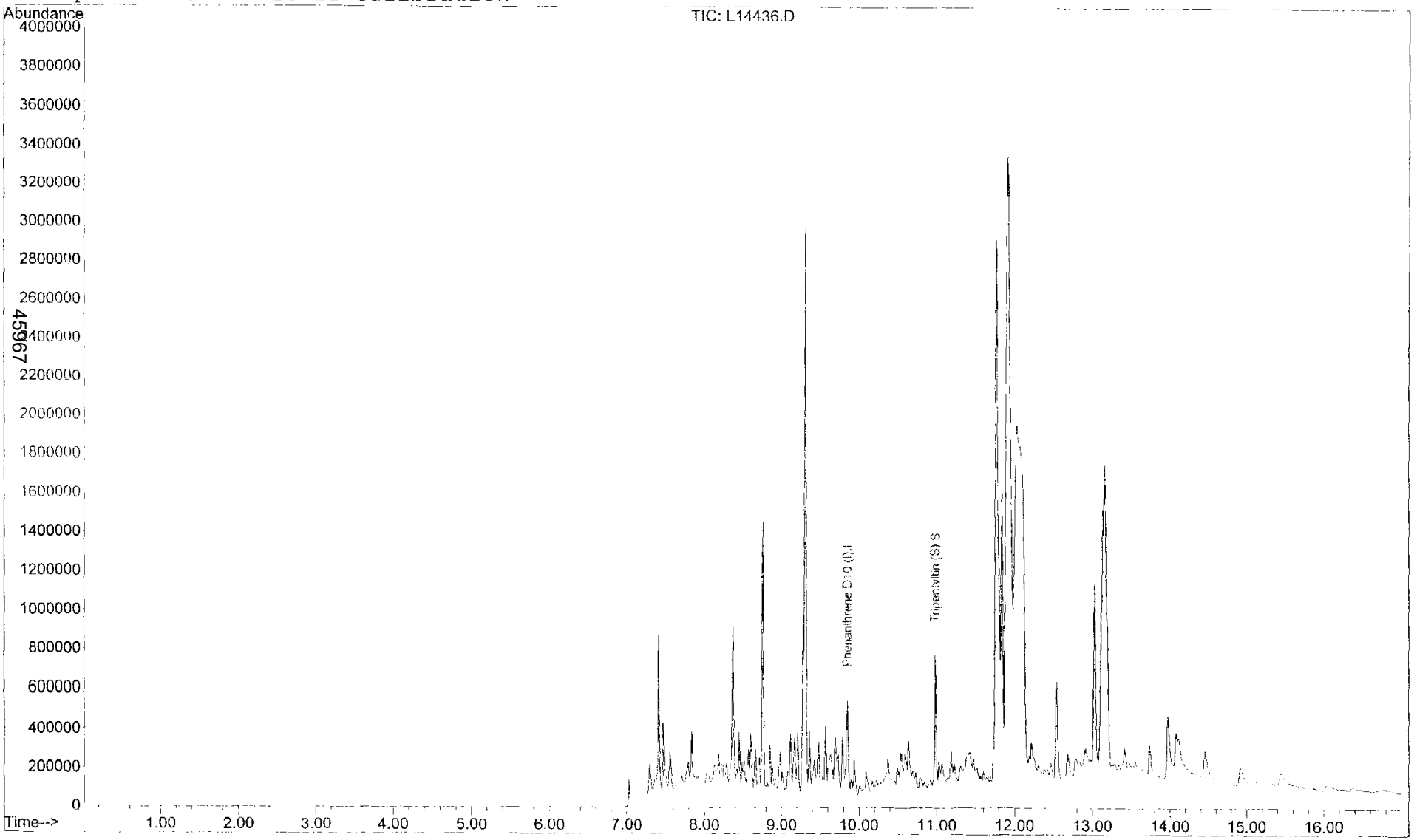
(#) = qualifier out of range (m) = manual integration (-) = signals summed

45965
00962

Quantitation Report (QT Reviewed)

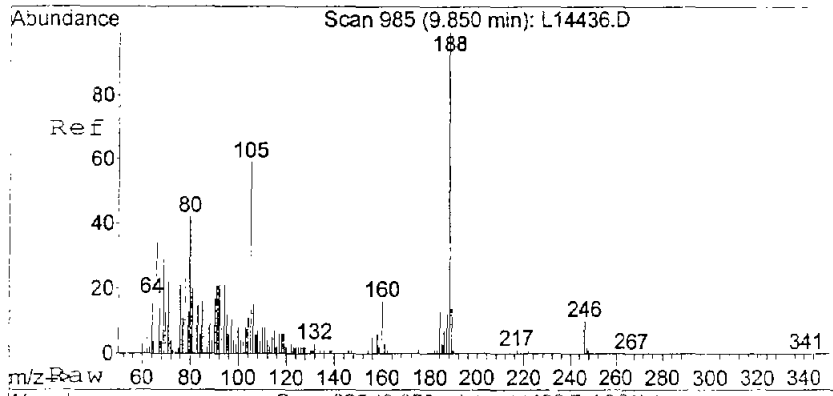
Data File : T:\DATA\122004\L14436.D Vial: 0
Acq On : 01 Dec 2004 16:07 Operator:
Sample : STN0119 MB #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 2 10:32 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:35:12 2004
Response via : Initial Calibration



45967

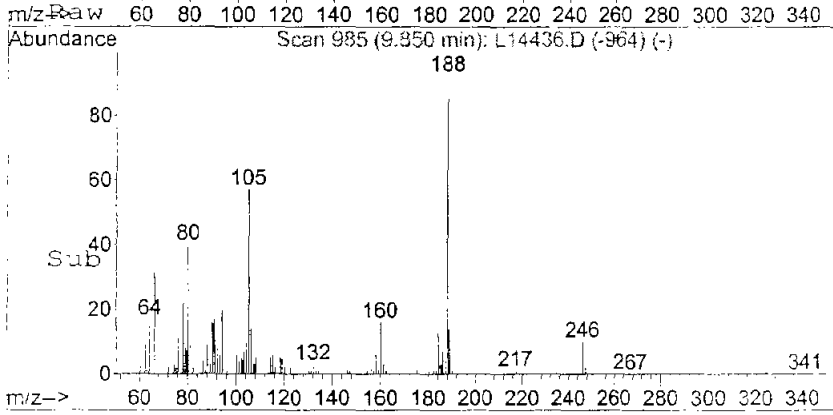
09600

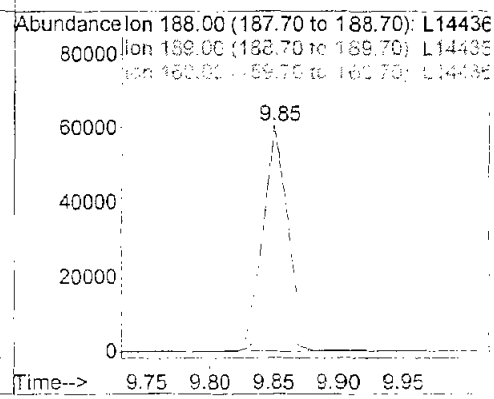


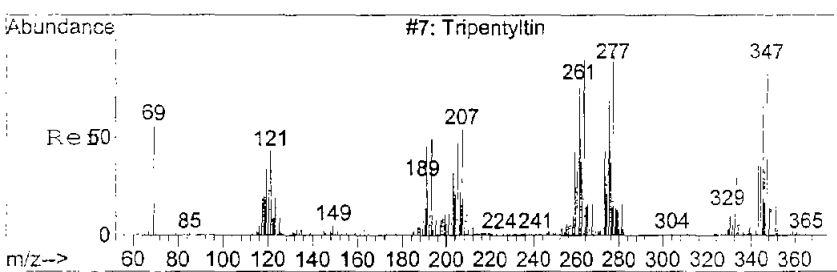
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.85 min Scan# 985
Delta R.T. 0.01 min
Lab File: L14436.D
Acq: 01 Dec 2004 16:07

Tgt Ion:188 Resp: 100722

Ion	Ratio	Lower	Upper
188	100		
189	12.6	6.8	16.0
160	13.9	8.2	19.2



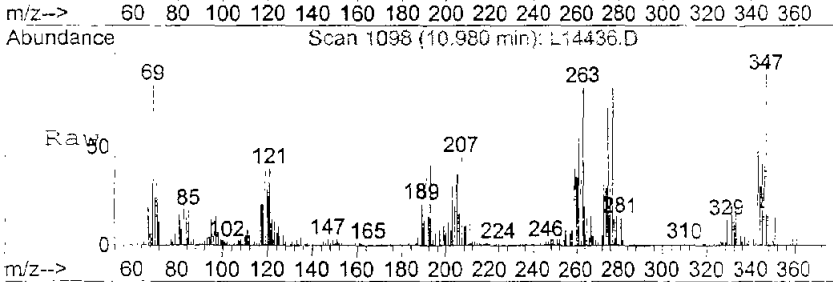


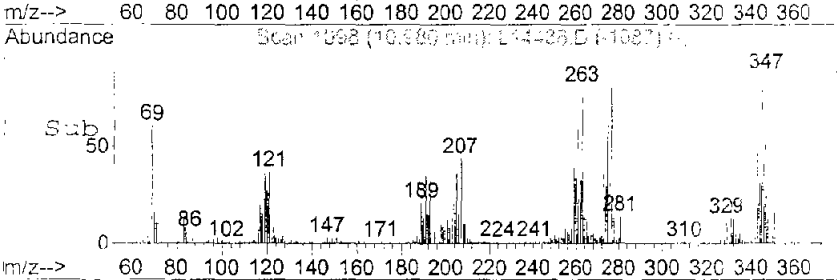


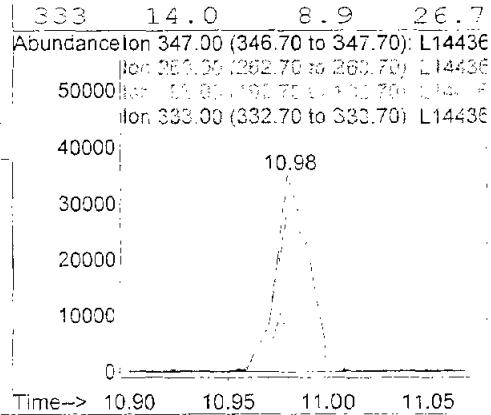
#2
Tripentyltin (S)
Concen: 74.42 PG/UL
RT: 10.98 min Scan# 1098
Delta R.T. 0.01 min
Lab File: L14436.D
Acq: 01 Dec 2004 16:07

Tgt Ion:347 Resp: 81767

Ion	Ratio	Lower	Upper
347	100		
263	47.9	16.1	64.3
193	23.5	11.2	33.6
333	14.0	8.9	26.7







Quantitation Report (QT Reviewed)

Data File : T:\DATA\1222004\L14454.D Vial: 0
Acq On : 01 Dec 2004 23:21 Operator:
Sample : WTN0193 MB #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 11:28:26 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.83	188	119763-	100.00	pg/ul	-0.05
System Monitoring Compounds						
2) Tripentyltin (S)	10.97	347	82905+	63.46	PG/UL	-0.07

Target Compounds	Qvalue

45971

(#) = qualifier out of range (m) = manual integration (+) = signals summed

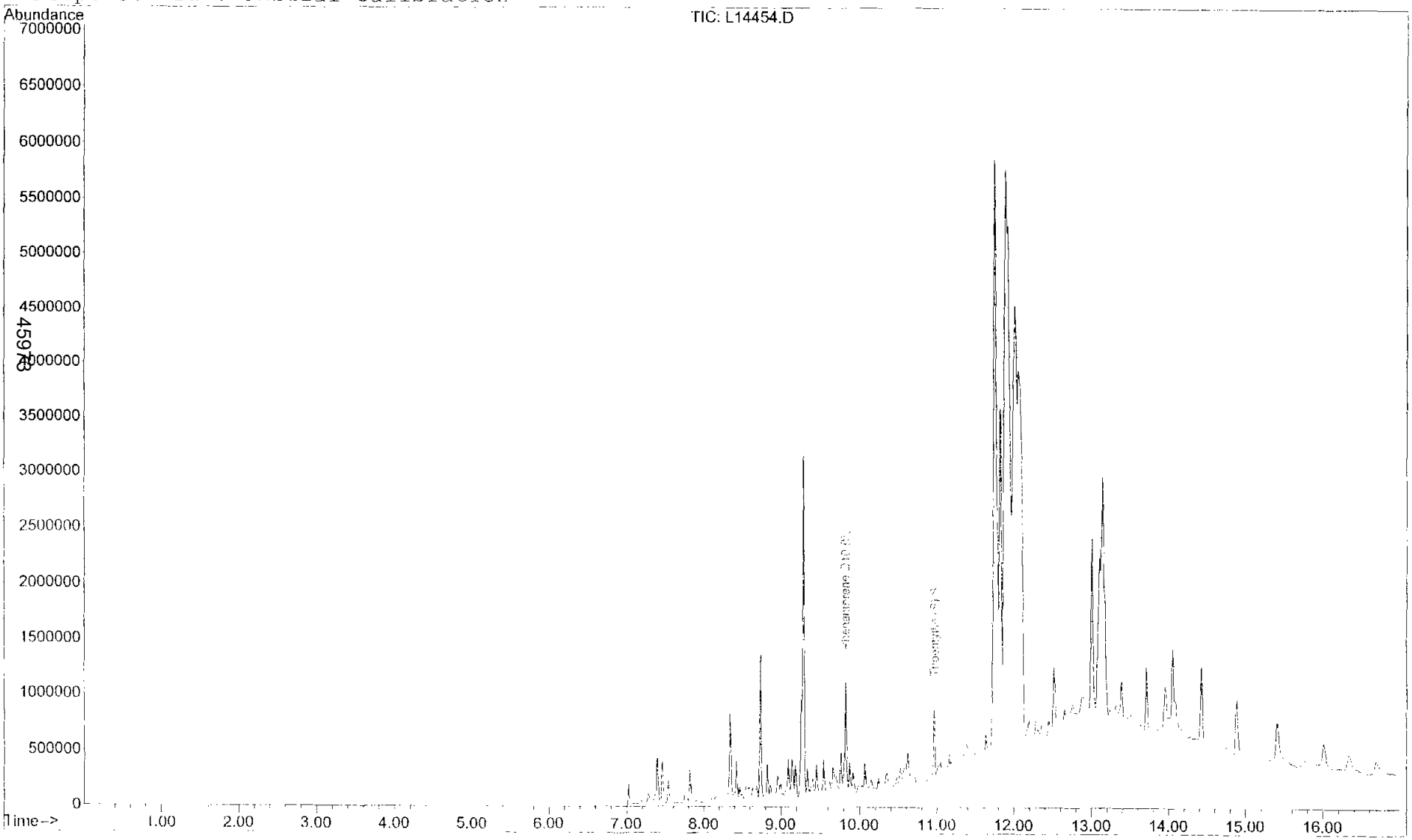
00965

Data File : T:\DATA\122004\L14454.D
Acq On : 01 Dec 2004 23:21
Sample : WTN0193 MB #1000 &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 2 11:28 2004

Vial: 0
Operator:
Inst :
Multiplr: 1.00

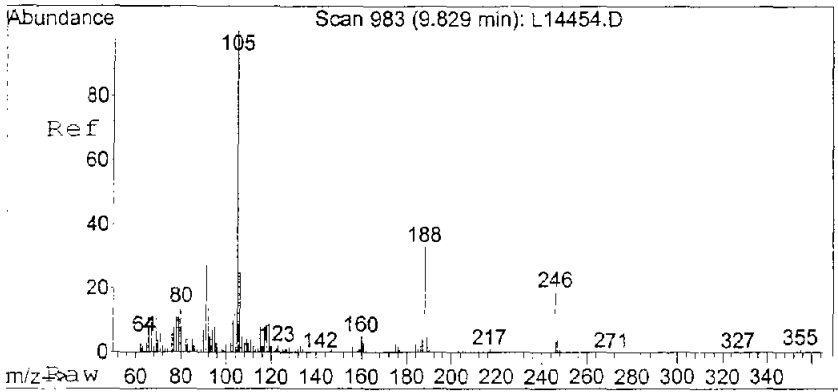
Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration



45978

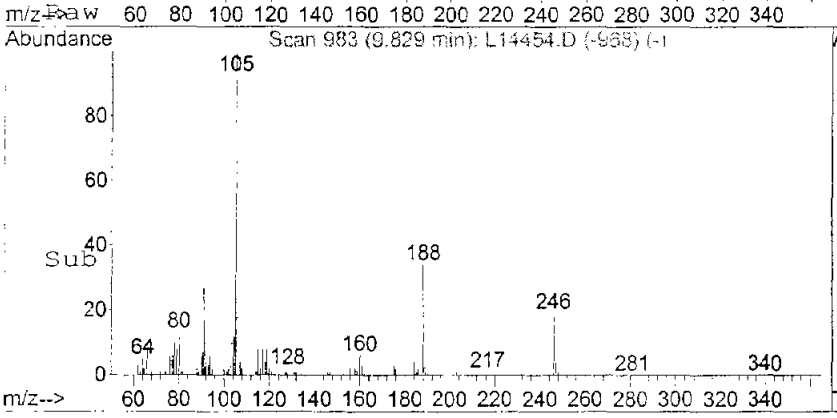
99600

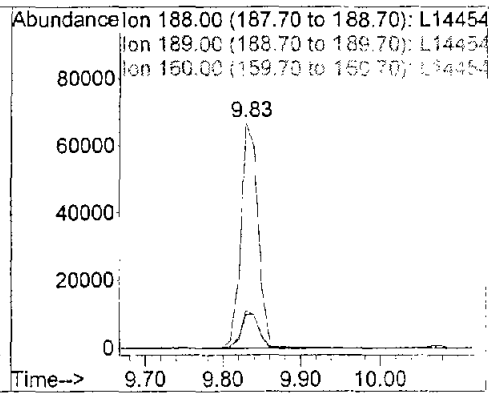


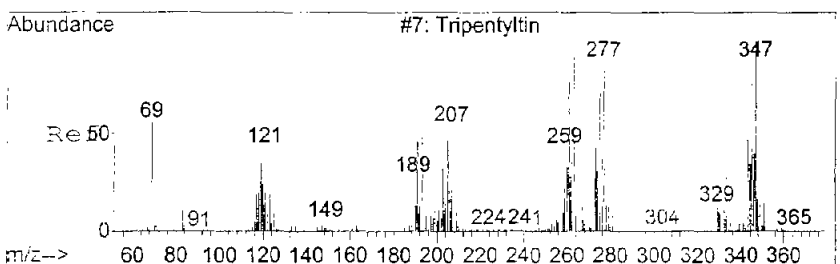
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.83 min Scan# 983
Delta R.T. -0.05 min
Lab File: L14454.D
Acq: 01 Dec 2004 23:21

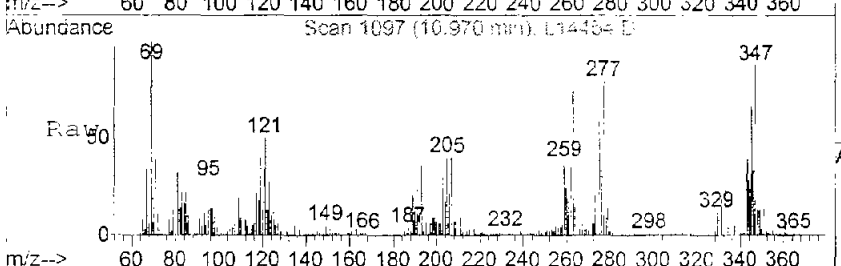
Tgt Ion:188 Resp: 119763

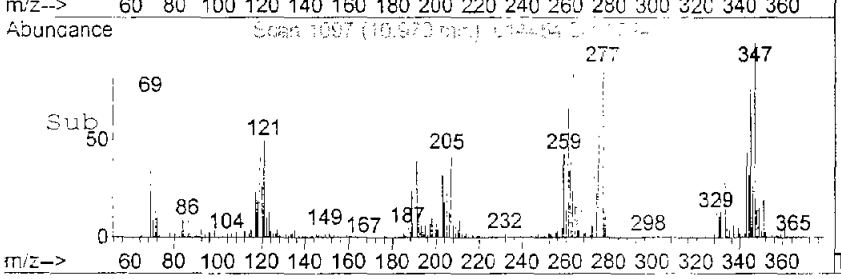
Ion	Ratio	Lower	Upper
188	100		
189	14.9	19.6	45.8#
160	14.6	10.9	25.3







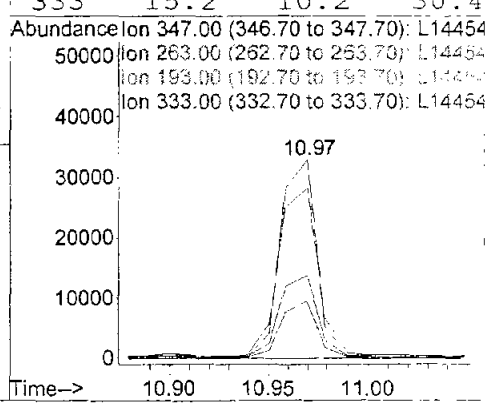




#2
Tripentyltin (S)
Concen: 63.46 PG/UL
RT: 10.97 min Scan# 1097
Delta R.T. -0.07 min
Lab File: L14454.D
Acq: 01 Dec 2004 23:21

Tgt Ion:347 Resp: 82905

Ion	Ratio	Lower	Upper
347	100		
263	48.6	18.6	74.4
193	23.0	17.0	51.0
333	15.2	10.2	30.4



BLANK SPIKE

00968

Quantitation Report (Not Reviewed)

Data File : T:\DATA\1222004\L14437.D Vial: 0
Acq On : 01 Dec 2004 16:31 Operator:
Sample : STN0119 BS #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 10:32:43 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:32:16 2004
Response via : Initial Calibration
DataAcq Meth :

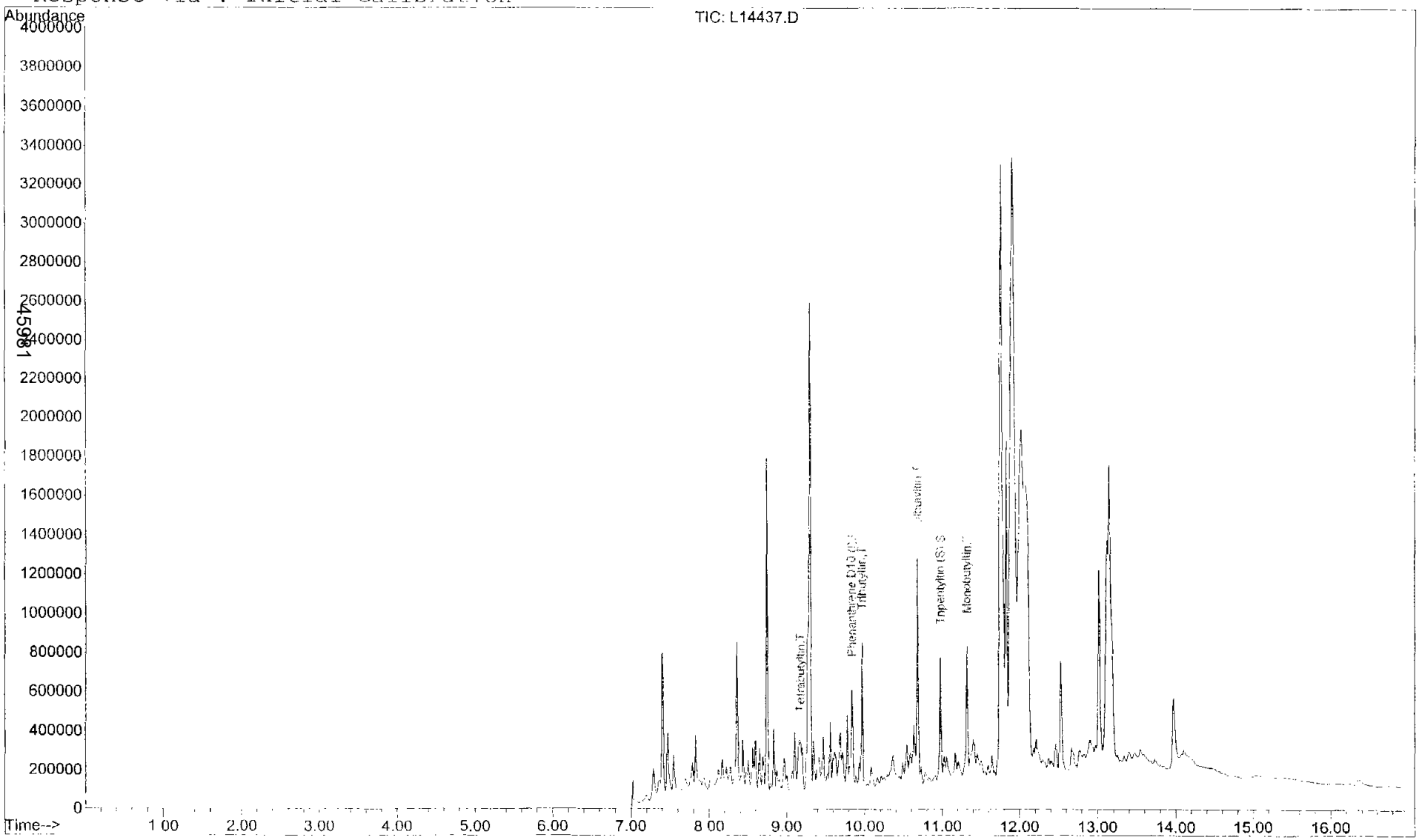
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.85	188	106779+	100.00	pg/ul	0.01
System Monitoring Compounds						
2) Tripentyltin (S)	10.98	347	72984+	62.66	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.18	235	56851+	54.74	PG/UL	97
4) Tributyltin	9.97	319	115906+	64.04	PG/UL	96
5) Dibutyltin	10.68	347	127601+	52.83	PG/UL	85
6) Monobutyltin	11.32	291	106424+	38.84	PG/UL	90

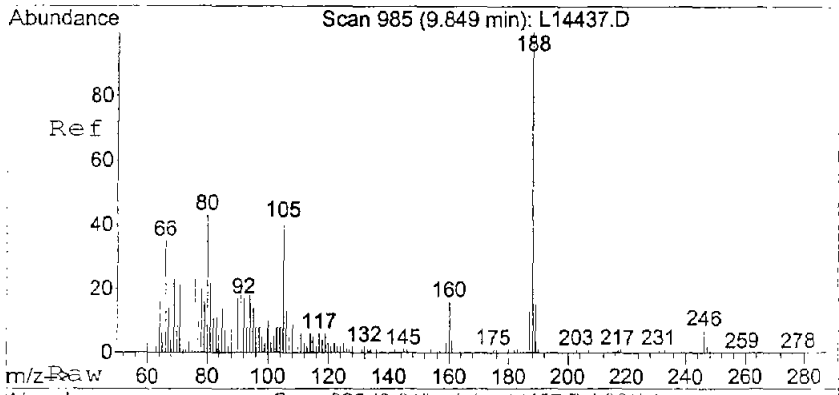
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : T:\DATA\122004\L14437.D Vial: 0
Acq On : 01 Dec 2004 16:31 Operator:
Sample : STN0119 BS #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 2 10:32 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:35:12 2004
Response via : Initial Calibration

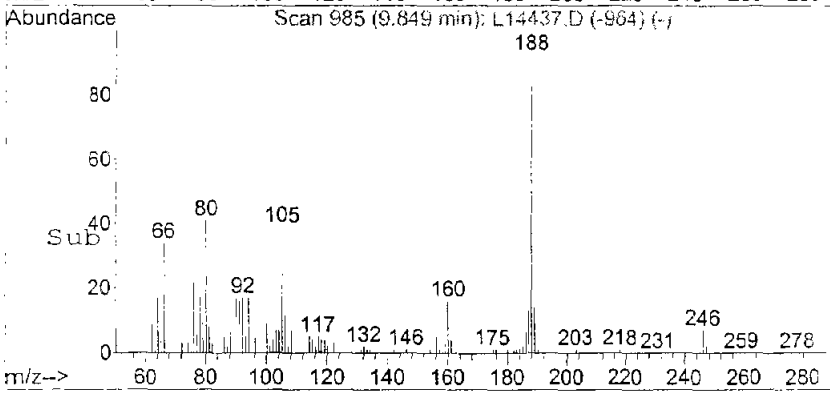


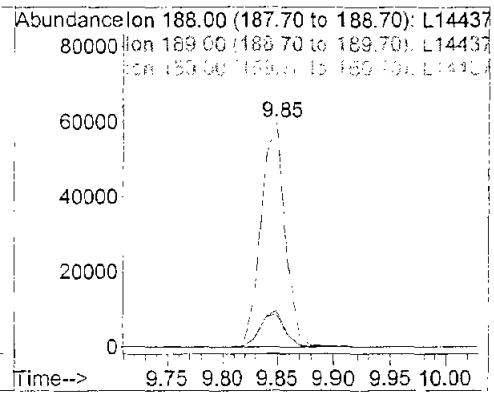


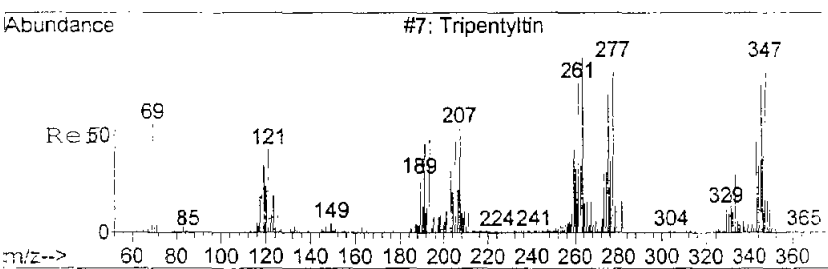
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.85 min Scan# 985
Delta R.T. 0.01 min
Lab File: L14437.D
Acq: 01 Dec 2004 16:31

Tgt Ion:188 Resp: 106779

Ion	Ratio	Lower	Upper
188	100		
189	13.5	6.8	16.0
160	14.0	8.2	19.2



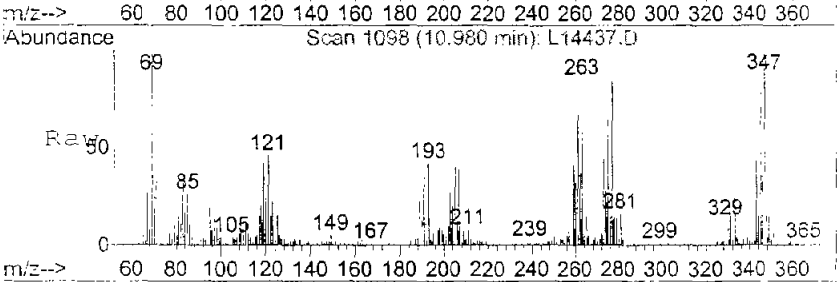


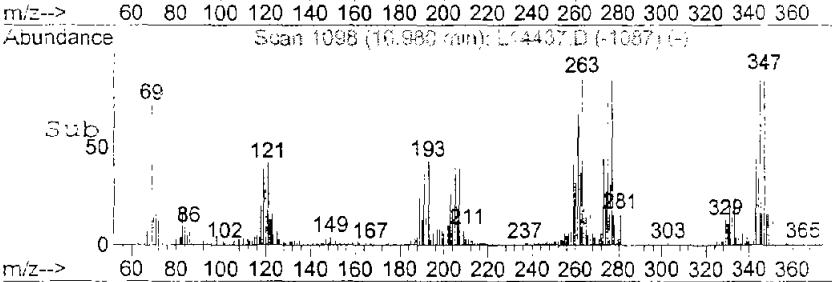


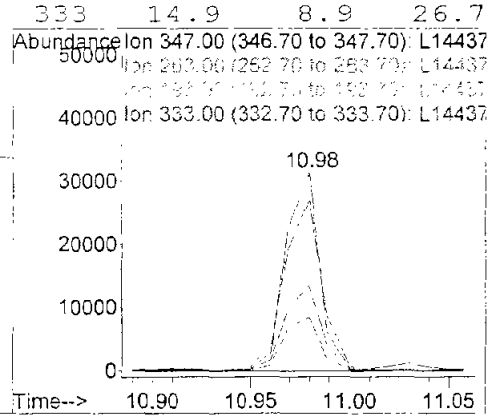
#2
Tripentyltin (S)
Concen: 62.66 PG/UL
RT: 10.98 min Scan# 1098
Delta R.T. 0.01 min
Lab File: L14437.D
Acq: 01 Dec 2004 16:31

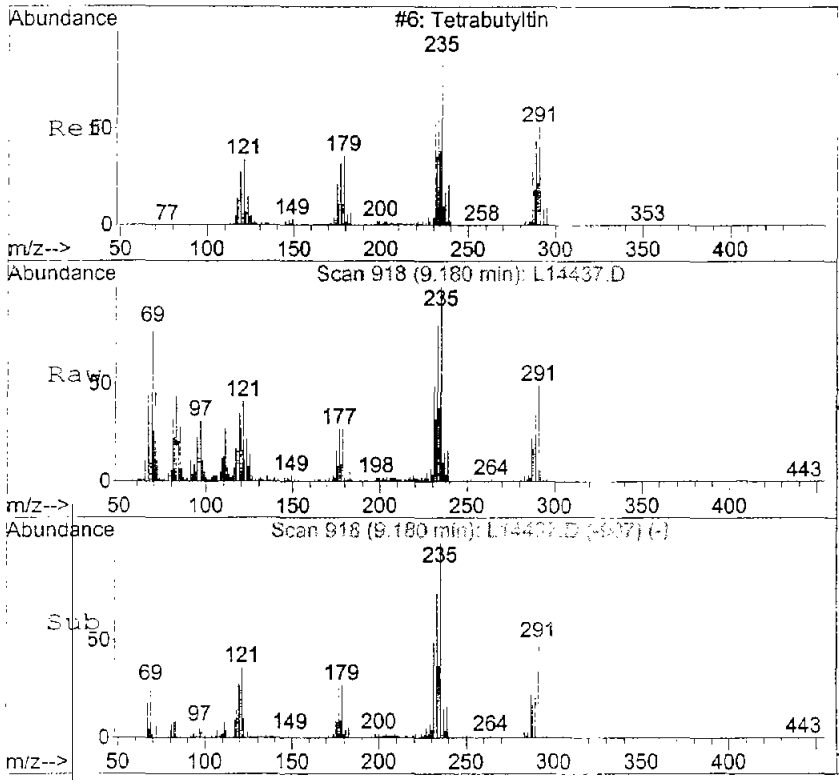
Tgt Ion:347 Resp: 72984

Ion	Ratio	Lower	Upper
347	100		
263	48.4	16.1	64.3
193	23.6	11.2	33.6
333	14.9	8.9	26.7





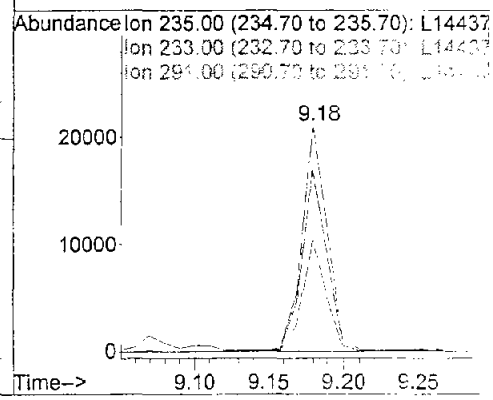


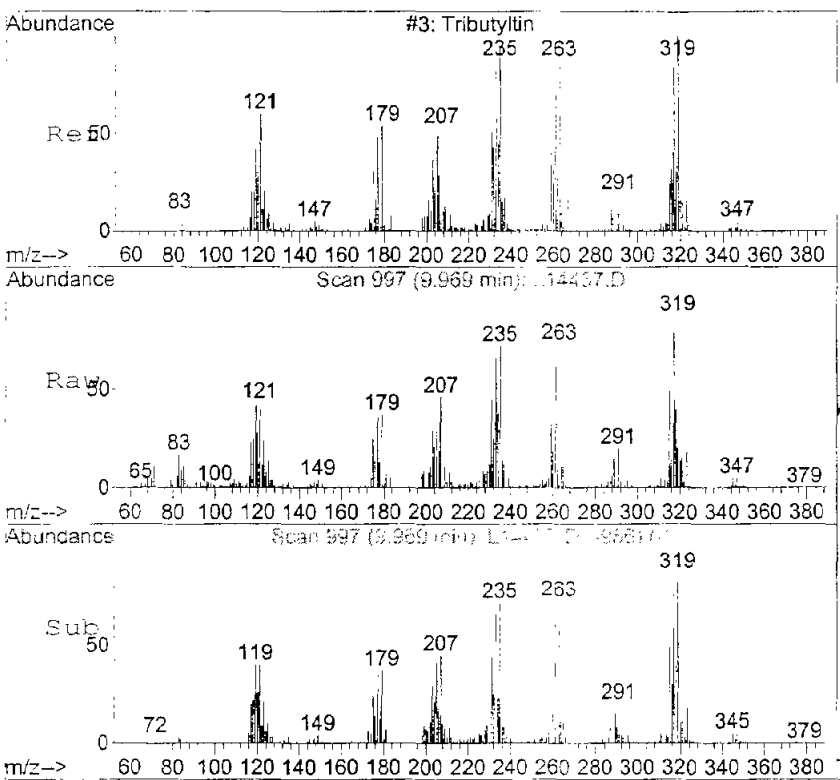


#3
Tetrabutyltin
Concen: 54.74 PG/UL
RT: 9.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: L14437.D
Acq: 01 Dec 2004 16:31

Tgt Ion:235 Resp: 56851

Ion	Ratio	Lower	Upper
235	100		
233	34.8	25.3	47.1
291	20.9	16.2	30.2

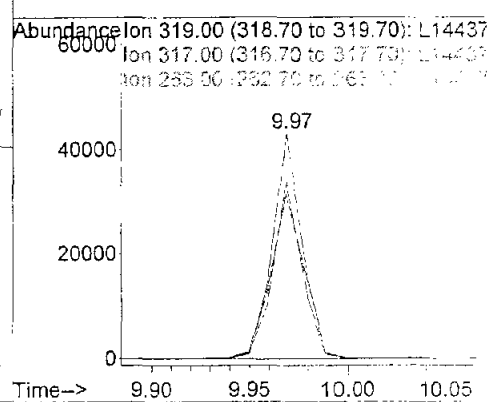


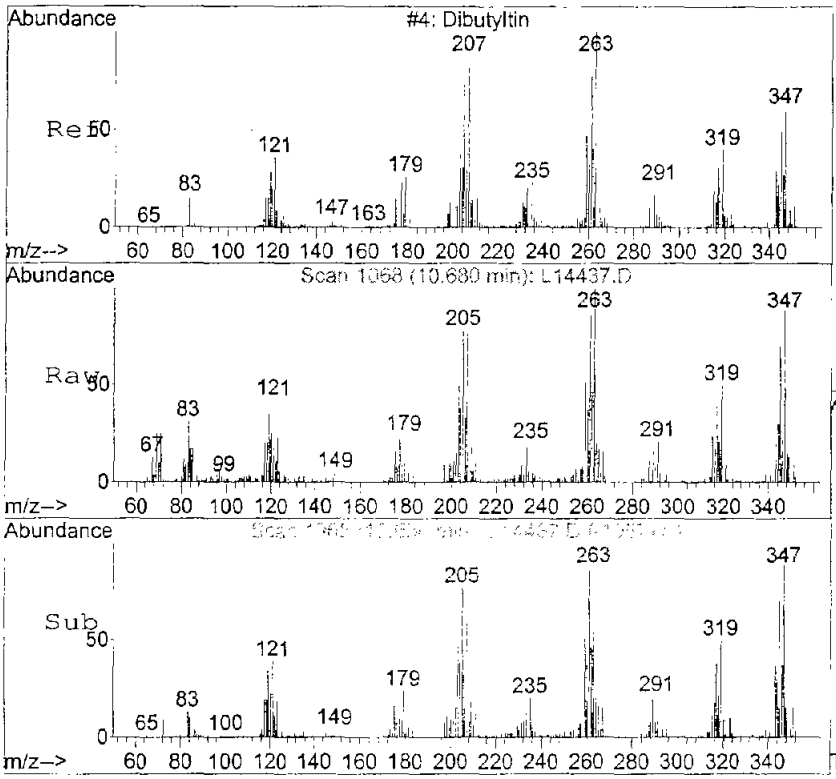


#4
Tributyltin
Concen: 64.04 PG/UL
RT: 9.97 min Scan# 997
Delta R.T. 0.01 min
Lab File: L14437.D
Acq: 01 Dec 2004 16:31

Tgt Ion:319 Resp: 115906

Ion	Ratio	Lower	Upper
319	100		
317	29.3	21.7	40.3
263	32.0	20.6	38.4

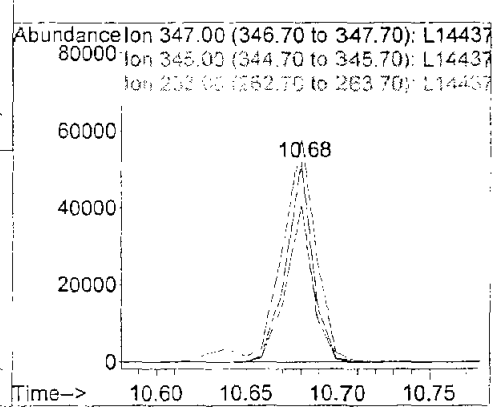


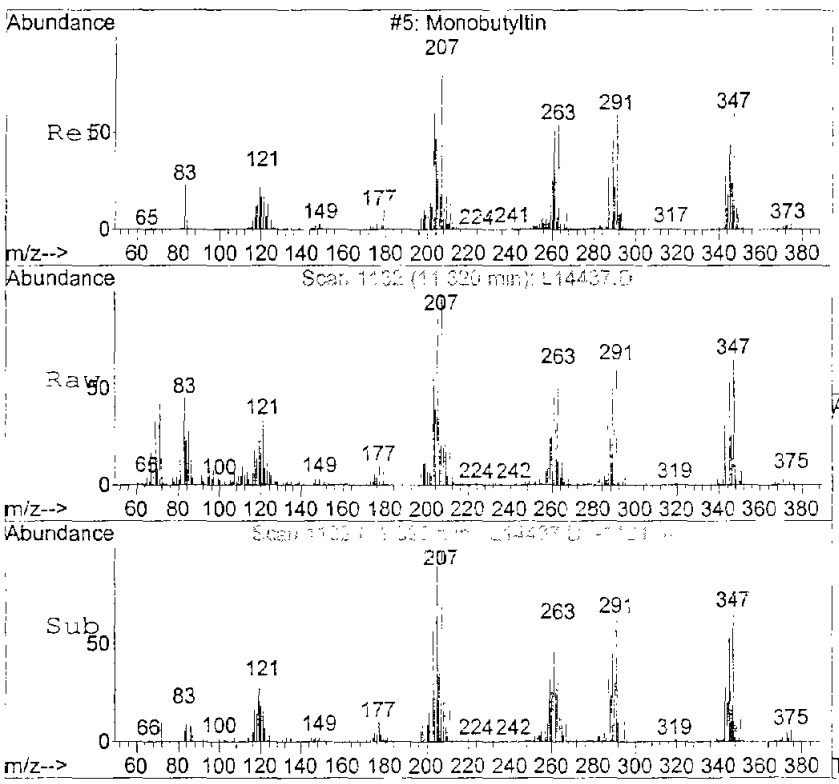


#5
Dibutyltin
Concen: 52.83 PG/UL
RT: 10.68 min Scan# 1068
Delta R.T. 0.01 min
Lab File: L14437.D
Acq: 01 Dec 2004 16:31

Tgt Ion:347 Resp: 127601

Ion	Ratio	Lower	Upper
347	100		
345	31.9	27.6	51.4
263	59.5	33.5	62.3

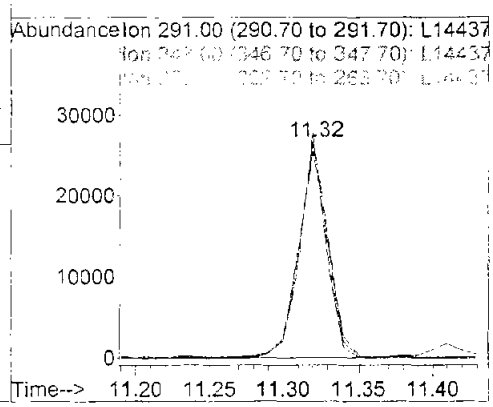




#6
Monobutyltin
Concen: 38.84 PG/UL
RT: 11.32 min Scan# 1132
Delta R.T. 0.01 min
Lab File: L14437.D
Acq: 01 Dec 2004 16:31

Tgt Ion:291 Resp: 106424

Ion	Ratio	Lower	Upper
291	100		
347	32.3	15.6	62.2
263	33.3	11.4	45.8



Quantitation Report (Not Reviewed)

Data File : T:\DATA\1222004\L14438.D Vial: 0
Acq On : 01 Dec 2004 16:55 Operator:
Sample : STN0119 BSD #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 10:32:55 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:32:16 2004
Response via : Initial Calibration
DataAcq Meth :

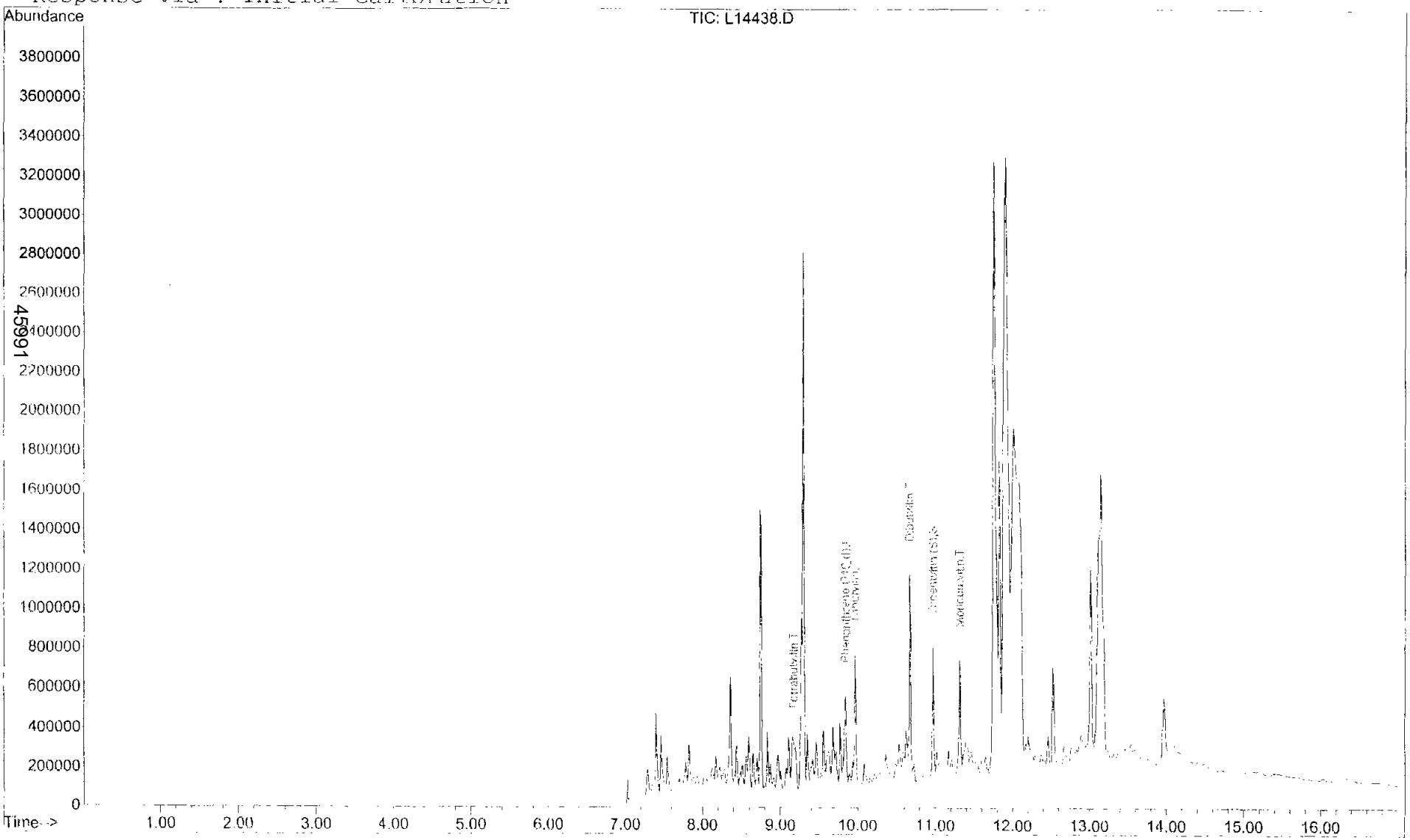
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.84	188	96695+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	10.97	347	71852+	68.12	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.18	235	56768+	60.36	PG/UL	96
4) Tributyltin	9.96	319	119145+	72.70	PG/UL	99
5) Dibutyltin	10.67	347	125823+	57.53	PG/UL	86
6) Monobutyltin	11.31	291	104606+	42.15	PG/UL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

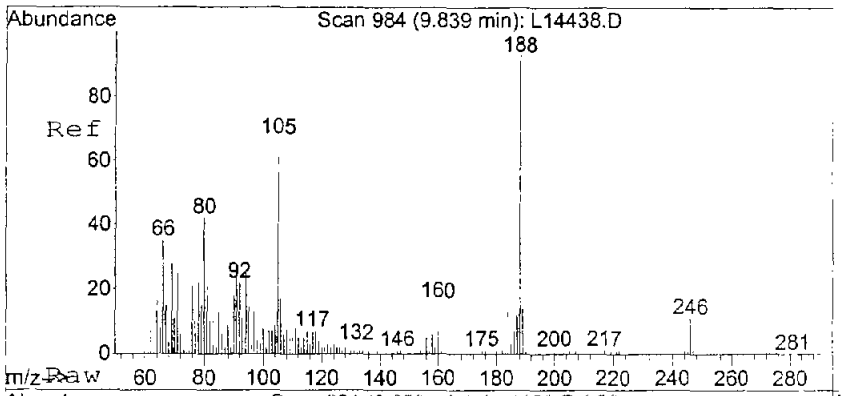
Data File : T:\DATA\122004\L14438.D Vial: 0
Acq On : 01 Dec 2004 16:55 Operator:
Sample : STH0119 BSD #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 2 10:32 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:35:12 2004
Response via : Initial Calibration



45991

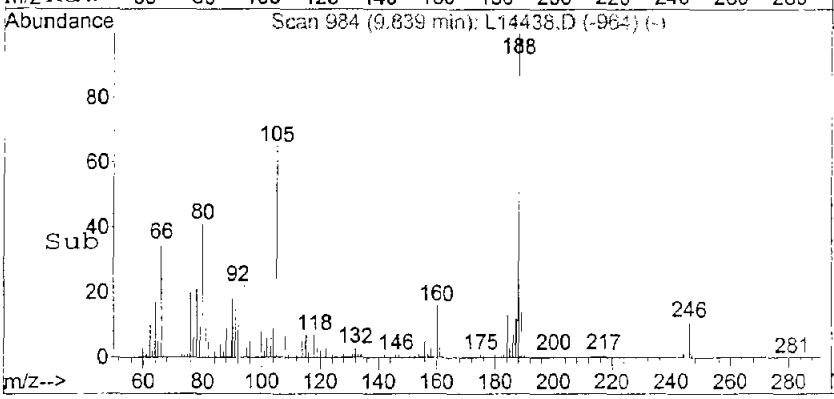
52600

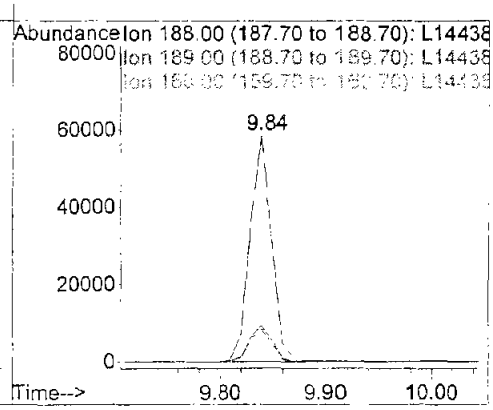


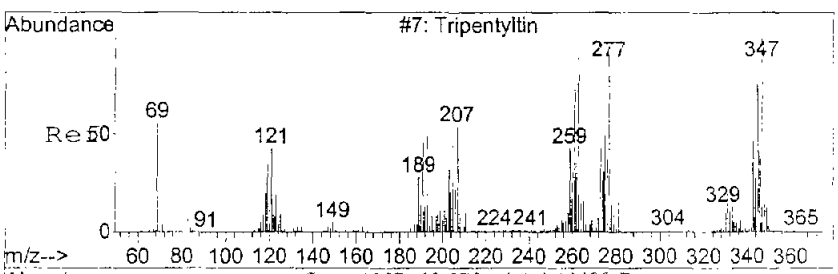
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.84 min Scan# 984
Delta R.T. 0.00 min
Lab File: L14438.D
Acq: 01 Dec 2004 16:55

Tgt Ion:188 Resp: 96695

Ion	Ratio	Lower	Upper
188	100		
189	13.2	6.8	16.0
160	14.7	8.2	19.2



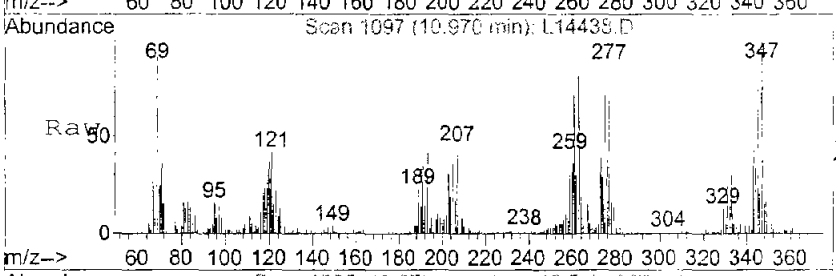


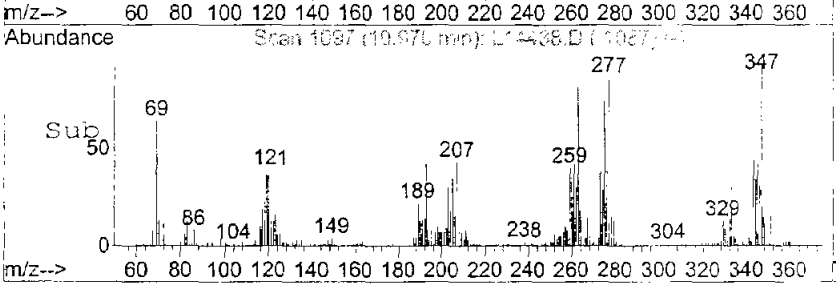


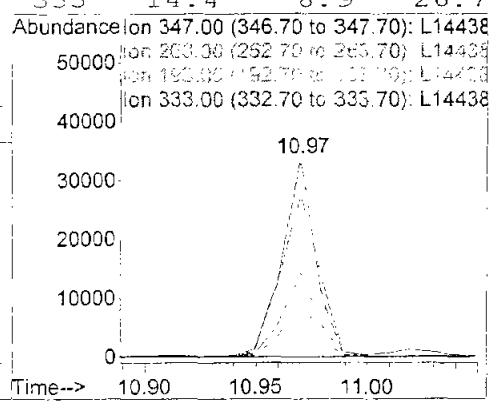
#2
Tripentyltin (S)
Concen: 68.12 PG/UL
RT: 10.97 min Scan# 1097
Delta R.T. 0.00 min
Lab File: L14438.D
Acq: 01 Dec 2004 16:55

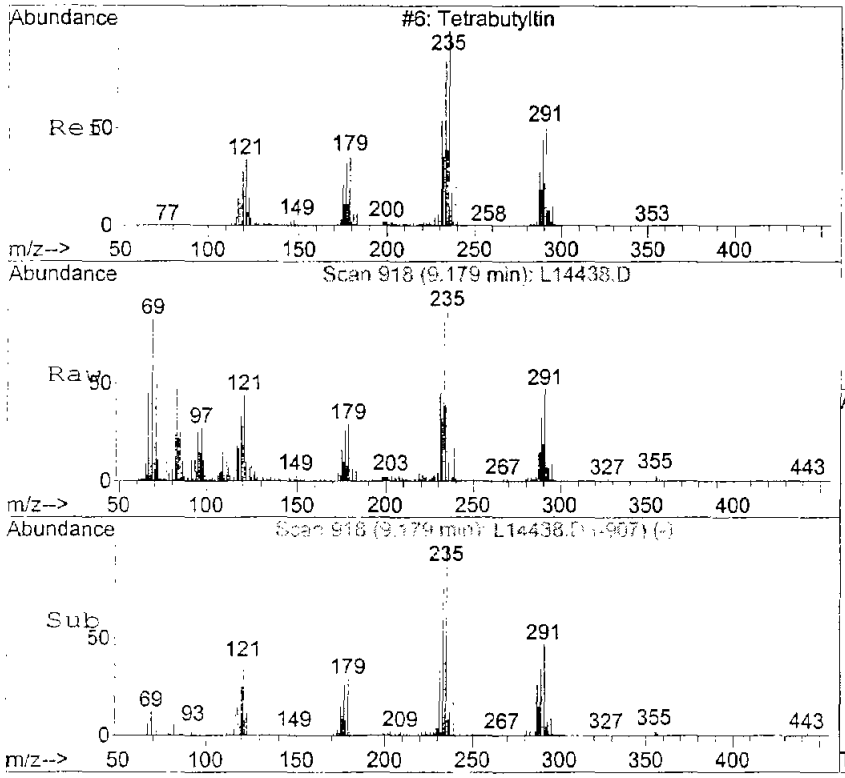
Tgt Ion:347 Resp: 71852

Ion	Ratio	Lower	Upper
347	100		
263	50.1	16.1	64.3
193	22.0	11.2	33.6
333	14.4	8.9	26.7





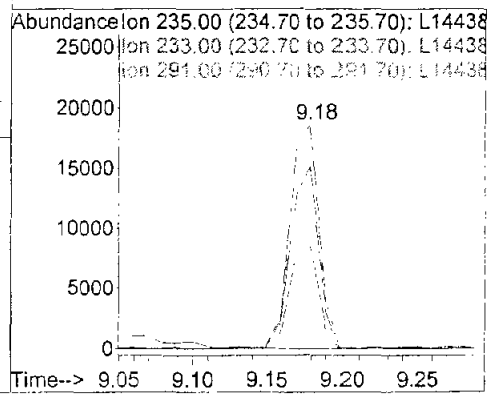


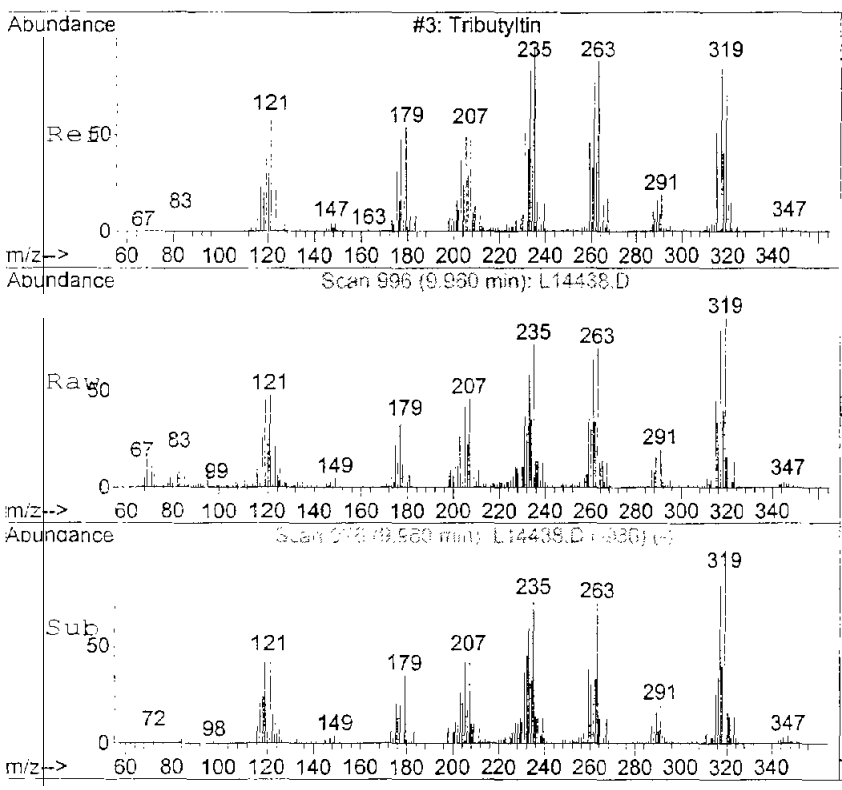


#3
Tetrabutyltin
Concen: 60.36 PG/UL
RT: 9.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: L14438.D
Acq: 01 Dec 2004 16:55

Tgt Ion:235 Resp: 56768

Ion	Ratio	Lower	Upper
235	100		
233	34.8	25.3	47.1
291	20.4	16.2	30.2

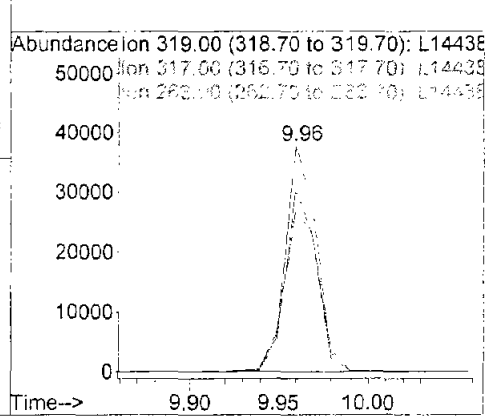


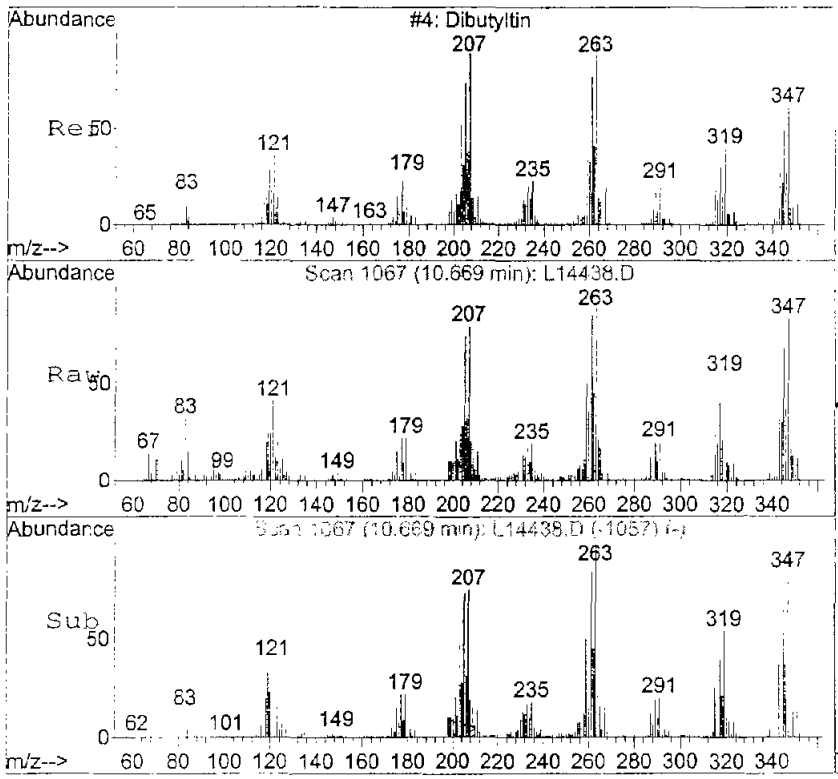


#4
Tributyltin
Concen: 72.70 PG/UL
RT: 9.96 min Scan# 996
Delta R.T. 0.00 min
Lab File: L14438.D
Acq: 01 Dec 2004 16:55

Tgt Ion:319 Resp: 119145

Ion	Ratio	Lower	Upper
319	100		
317	31.1	21.7	40.3
263	30.7	20.6	38.4

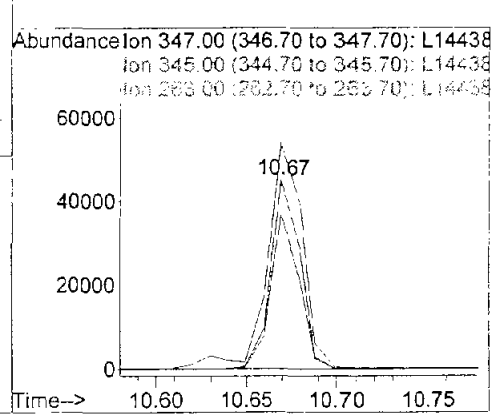


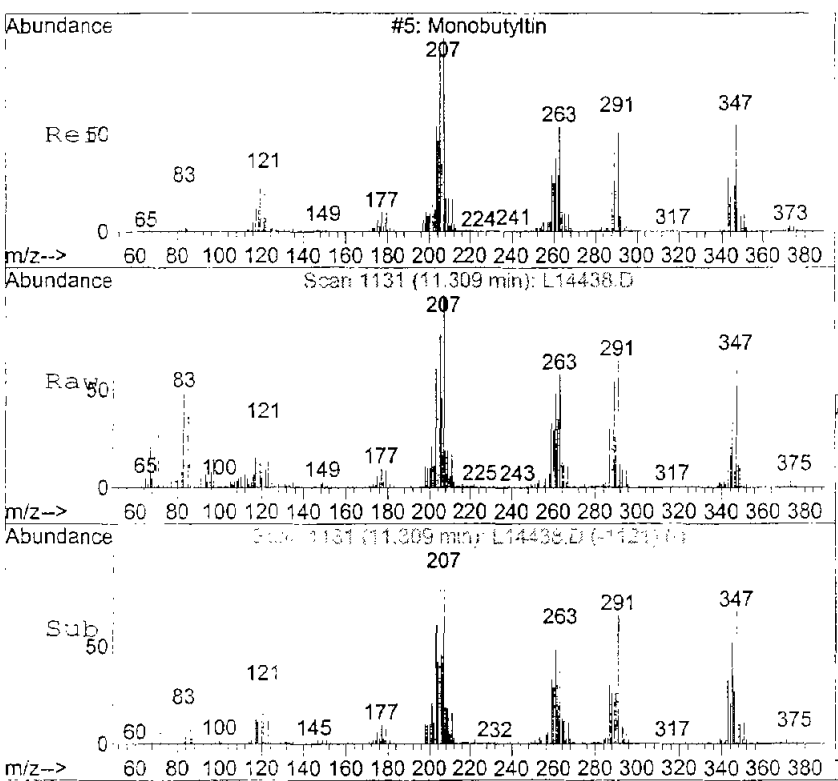


#5
Dibutyltin
Concen: 57.53 PG/UL
RT: 10.67 min Scan# 1067
Delta R.T. 0.00 min
Lab File: L14438.D
Acq: 01 Dec 2004 16:55

Tgt Ion:347 Resp: 125823

Ion	Ratio	Lower	Upper
347	100		
345	32.8	27.6	51.4
263	59.0	33.5	62.3

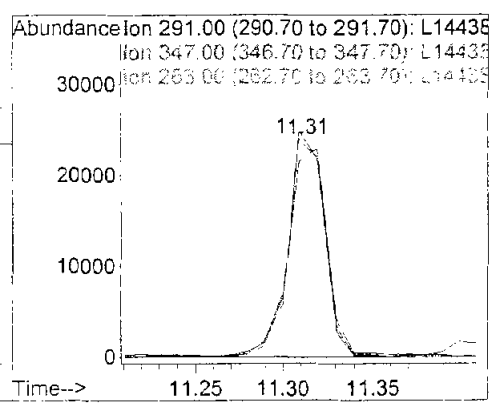




#6
Monobutyltin
Concen: 42.15 PG/UL
RT: 11.31 min Scan# 1131
Delta R.T. 0.00 min
Lab File: L14438.D
Acq: 01 Dec 2004 16:55

Tgt Ion:291 Resp: 104606

Ion	Ratio	Lower	Upper
291	100		
347	33.2	15.6	62.2
263	33.4	11.4	45.8



Quantitation Report (Not Reviewed)

Data File : T:\DATA\1222004\L14455.D Vial: 0
Acq On : 01 Dec 2004 23:45 Operator:
Sample : WTN0193 BS #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 11:28:48 2004 Quant Results File: ORGTIN112404.RES

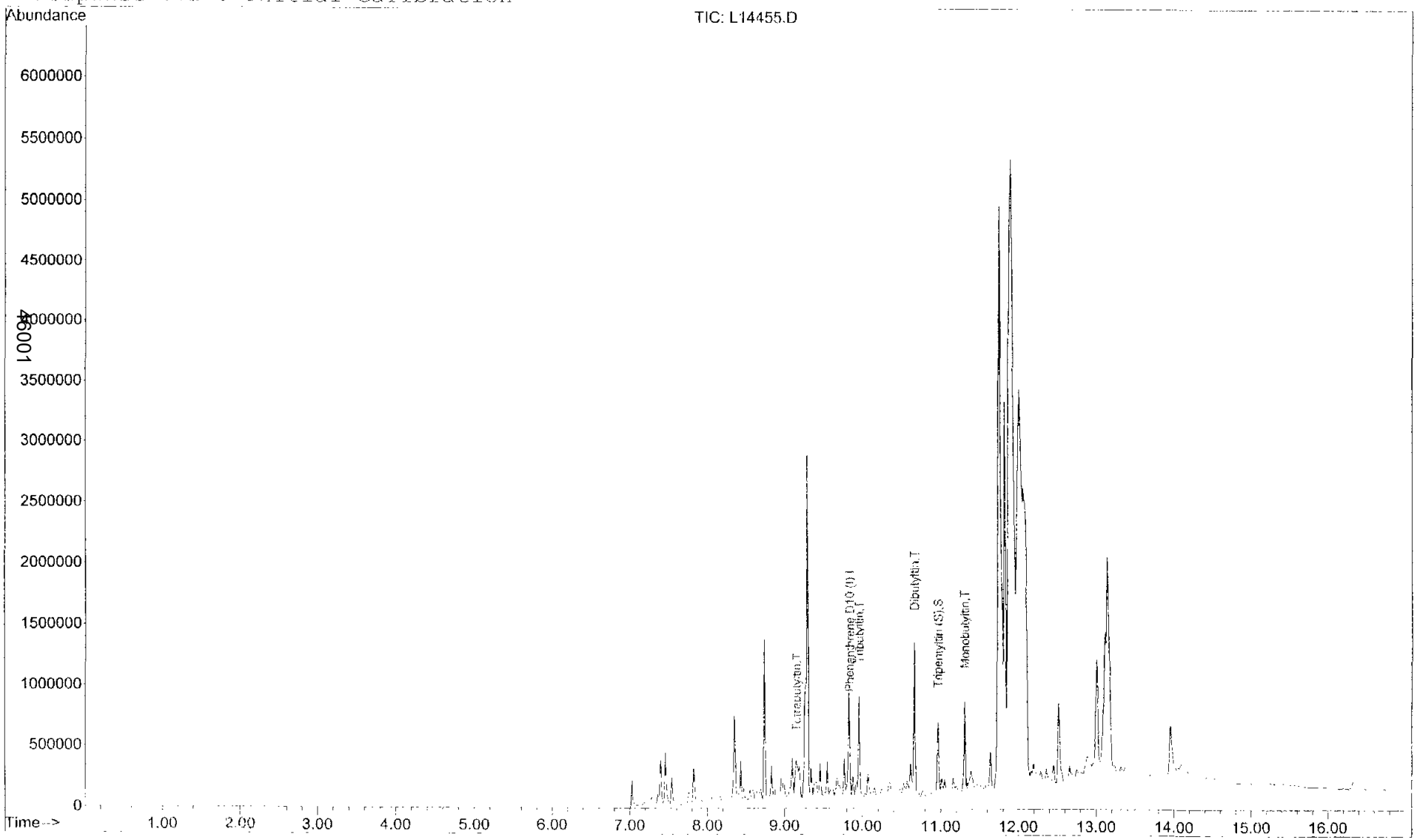
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration
DataAcq Meth :

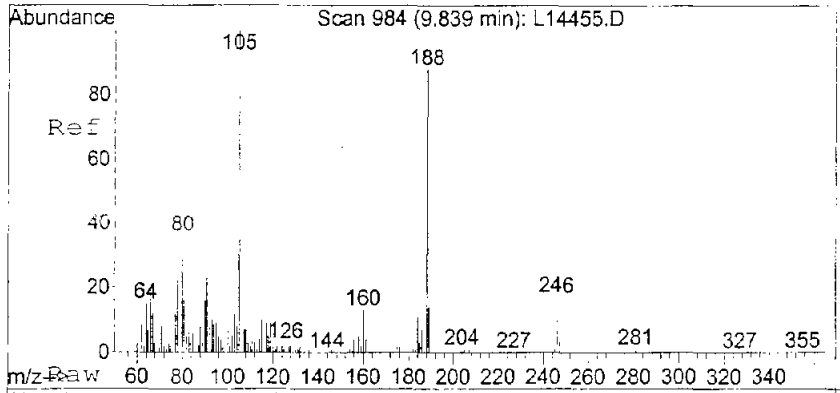
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.84	188	124932+	100.00	pg/ul	-0.04
System Monitoring Compounds						
2) Tripentyltin (S)	10.97	347	73798+	54.15	PG/UL	-0.07
Target Compounds						Qvalue
3) Tetrabutyltin	9.17	235	67619+	55.64	PG/UL	98
4) Tributyltin	9.96	319	135985+	64.22	PG/UL	93
5) Dibutyltin	10.67	347	145330+	51.43	PG/UL	92
6) Monobutyltin	11.31	291	115315+	35.97	PG/UL	95

Quantification Report (Not Reviewed)

Data File : T:\DATA\122004\L14455.D Vial: 0
Acq On : 01 Dec 2004 23:45 Operator:
Sample : WTN0193 BS #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 2 11:28 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration

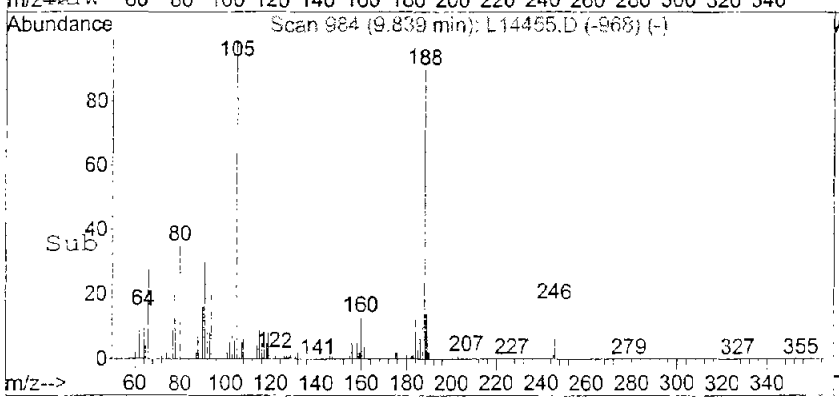


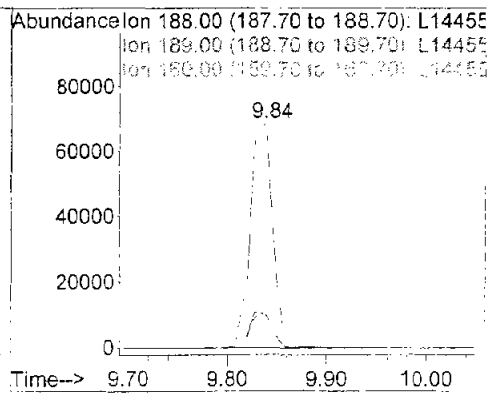


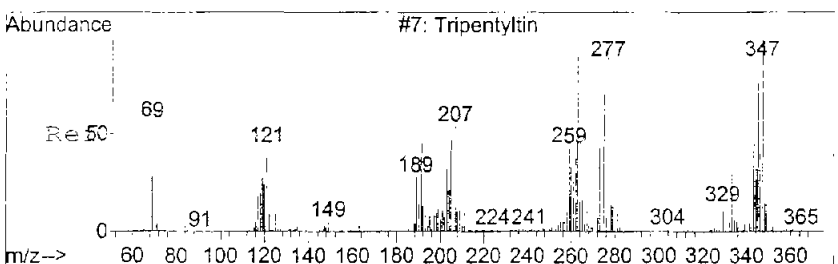
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.84 min Scan# 984
Delta R.T. -0.04 min
Lab File: L14455.D
Acq: 01 Dec 2004 23:45

Tgt Ion:188 Resp: 124932

Ion	Ratio	Lower	Upper
188	100		
189	13.6	19.6	45.8#
160	14.1	10.9	25.3



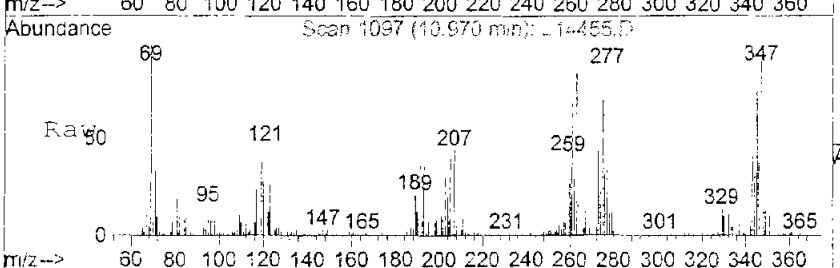


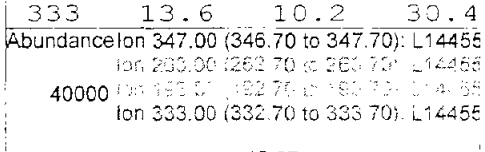


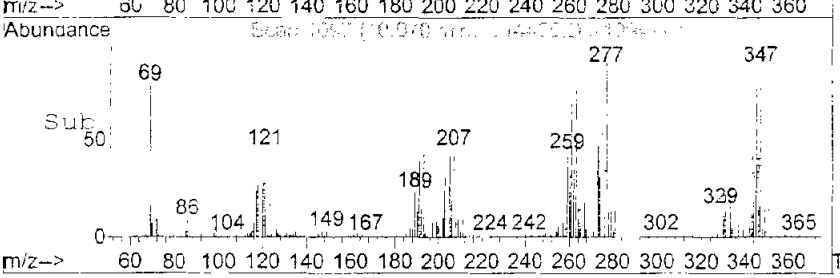
#2
Tripentyltin (S)
Concen: 54.15 PG/UL
RT: 10.97 min Scan# 1097
Delta R.T. -0.07 min
Lab File: L14455.D
Acq: 01 Dec 2004 23:45

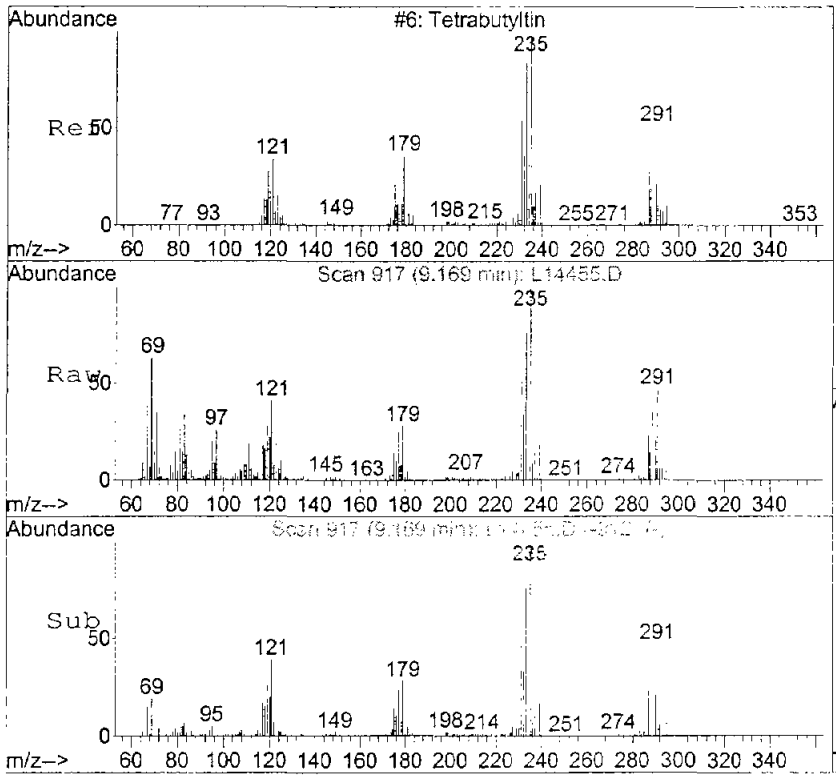
Tgt Ion:347 Resp: 73798

Ion	Ratio	Lower	Upper
347	100		
263	48.6	18.6	74.4
193	22.8	17.0	51.0
333	13.6	10.2	30.4





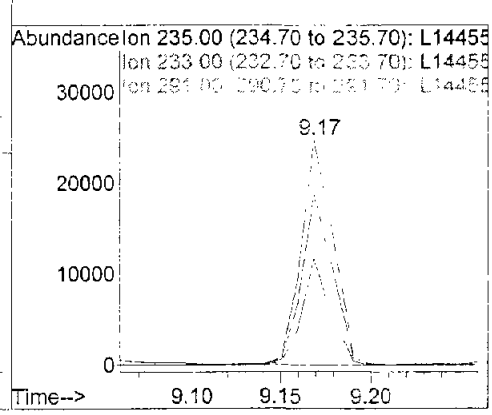


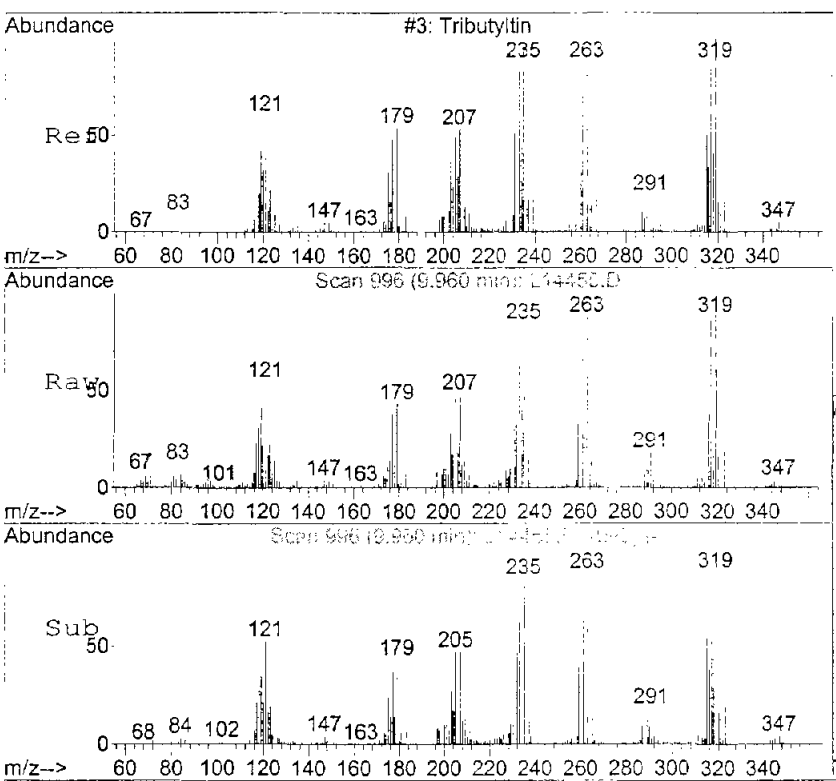


#3
Tetrabutyltin
Concen: 55.64 PG/UL
RT: 9.17 min Scan# 917
Delta R.T. -0.05 min
Lab File: L14455.D
Acq: 01 Dec 2004 23:45

Tgt Ion:235 Resp: 67619

Ion	Ratio	Lower	Upper
235	100		
233	34.1	25.0	46.4
291	19.6	14.4	26.7

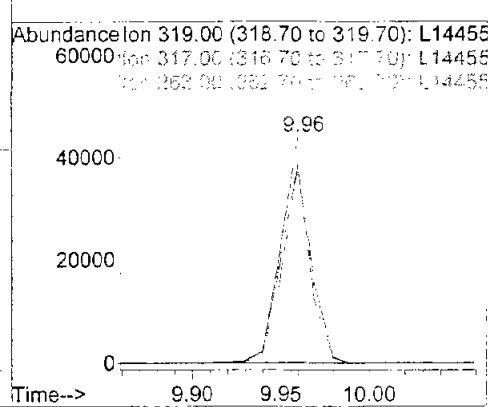


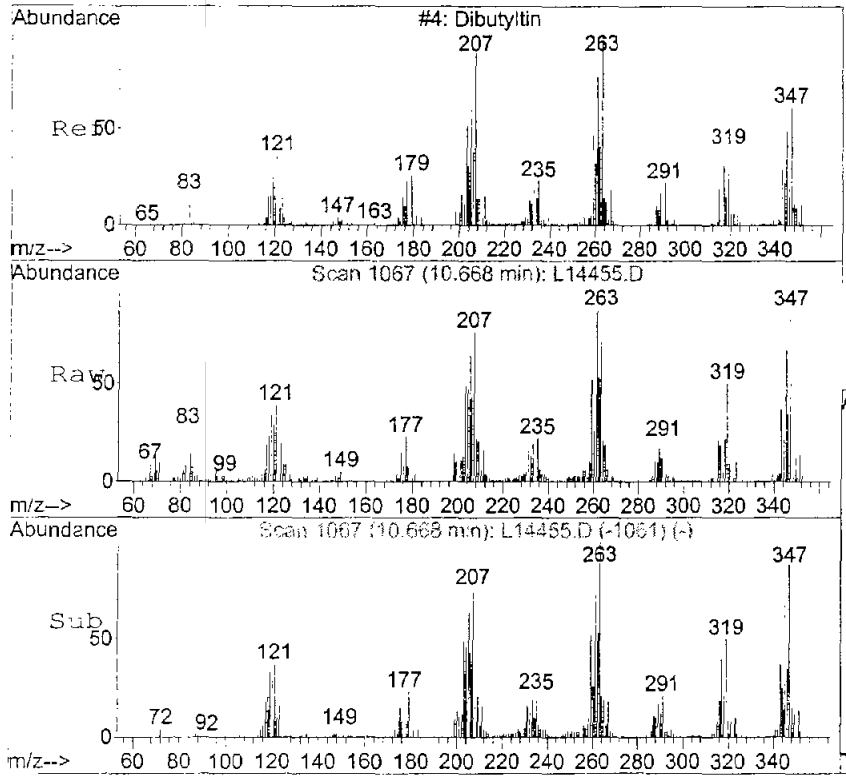


#4
Tributyltin
Concen: 64.22 PG/UL
RT: 9.96 min Scan# 996
Delta R.T. -0.04 min
Lab File: L14455.D
Acq: 01 Dec 2004 23:45

Tgt Ion:319 Resp: 135985

Ion	Ratio	Lower	Upper
319	100		
317	29.4	22.3	41.5
263	33.9	19.9	37.0

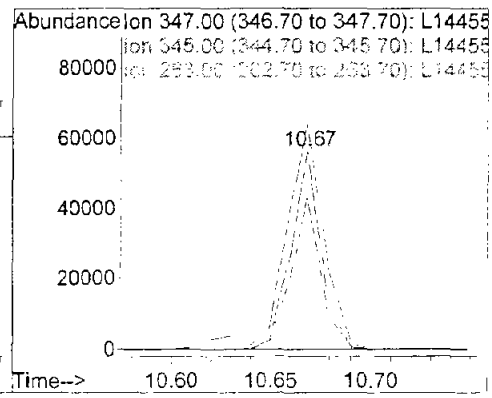


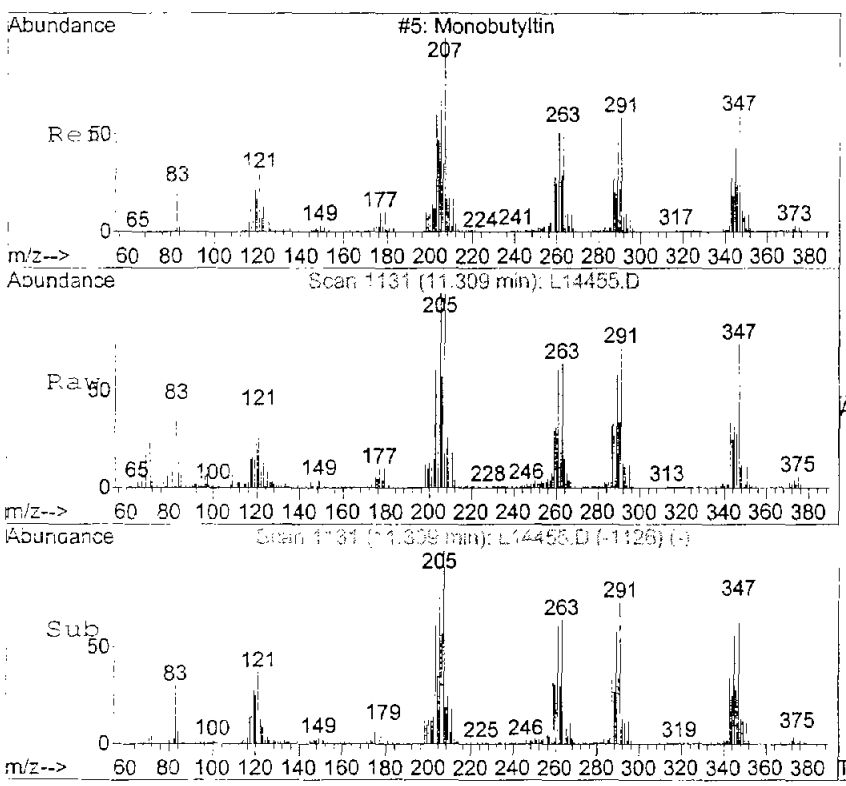


#5
Dibutyltin
Concen: 51.43 PG/UL
RT: 10.67 min Scan# 1067
Delta R.T. -0.04 min
Lab File: L14455.D
Acq: 01 Dec 2004 23:45

Tgt Ion:347 Resp: 145330

Ion	Ratio	Lower	Upper
347	100		
345	30.9	26.0	48.4
263	59.4	38.1	70.9

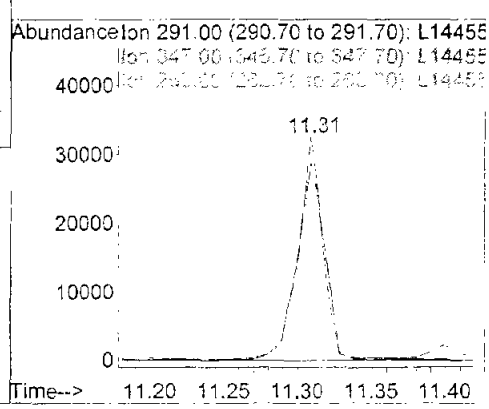




#6
Monobutyltin
Concen: 35.97 PG/UL
RT: 11.31 min Scan# 1131
Delta R.T. -0.05 min
Lab File: L14455.D
Acq: 01 Dec 2004 23:45

Tgt Ion:291 Resp: 115315

Ion	Ratio	Lower	Upper
291	100		
347	32.1	14.1	56.5
263	32.8	12.2	49.0



Quantitation Report (Not Reviewed)

Data File : T:\DATA\1222004\L14456.D Vial: 0
Acq On : 02 Dec 2004 0:09 Operator:
Sample : WTN0193 BSD #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 11:28:59 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration
DataAcq Meth :

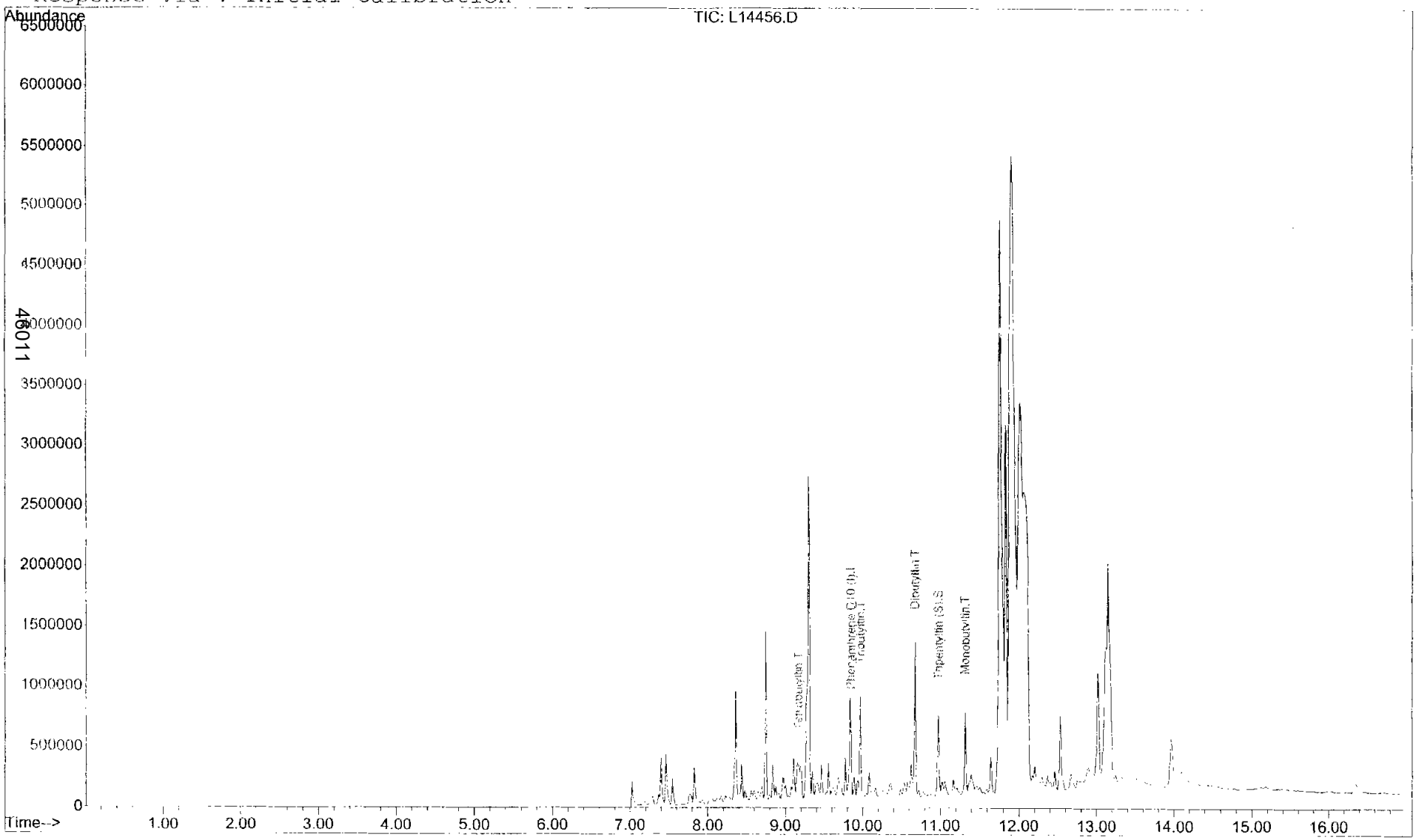
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.85	188	118360+	100.00	pg/ul	-0.03
System Monitoring Compounds						
2) Tripentyltin (S)	10.98	347	79961+	61.93	PG/UL	-0.06
Target Compounds						Qvalue
3) Tetrabutyltin	9.18	233	66575+	57.83	PG/UL	99
4) Tributyltin	9.97	319	140991+	70.28	PG/UL	95
5) Dibutyltin	10.68	347	146616+	54.76	PG/UL	92
6) Monobutyltin	11.32	291	109747+	36.13	PG/UL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

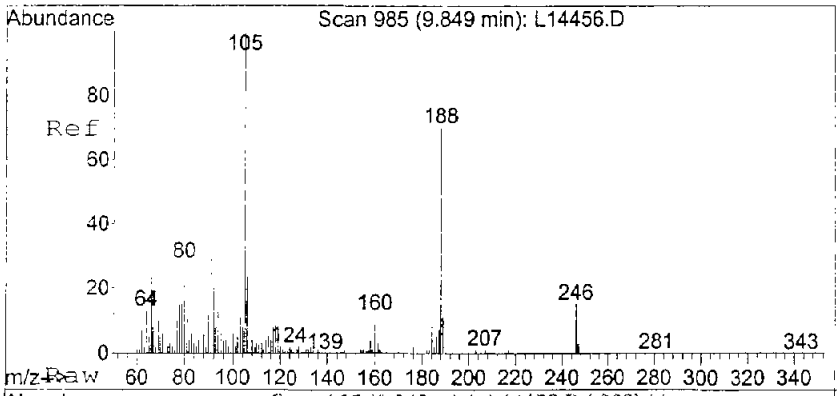
Data File : T:\DATA\122004\L14456.D Vial: 0
Acq On : 02 Dec 2004 0:09 Operator:
Sample : WTN0193 BSD #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 2 11:28 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:44:51 2004
Response via : Initial Calibration



46011

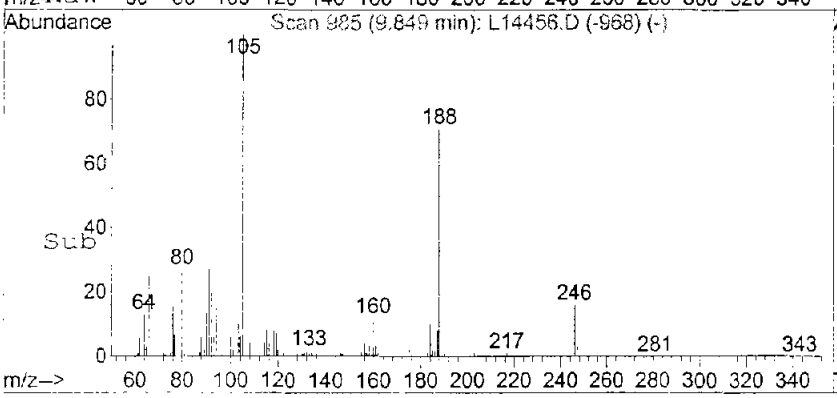
00985

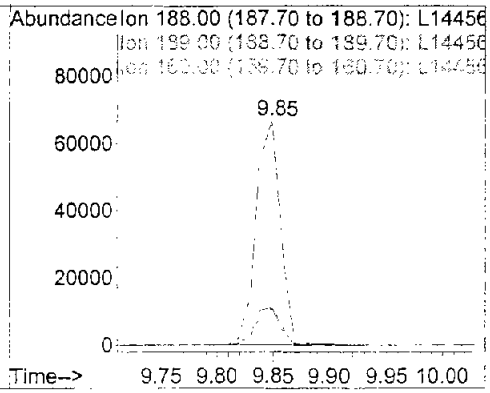


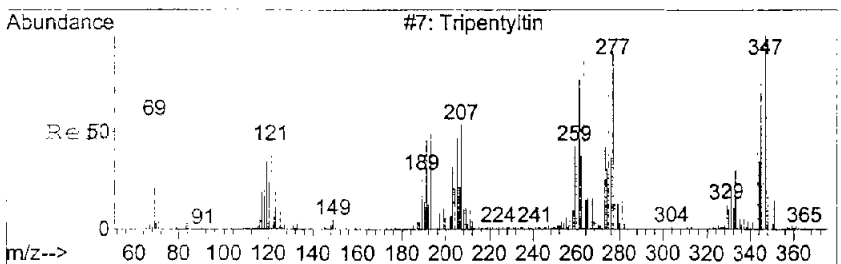
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.85 min Scan# 985
Delta R.T. -0.03 min
Lab File: L14456.D
Acq: 02 Dec 2004 0:09

Tgt Ion:188 Resp: 118360

Ion	Ratio	Lower	Upper
188	100		
189	13.2	19.6	45.8#
160	15.3	10.9	25.3



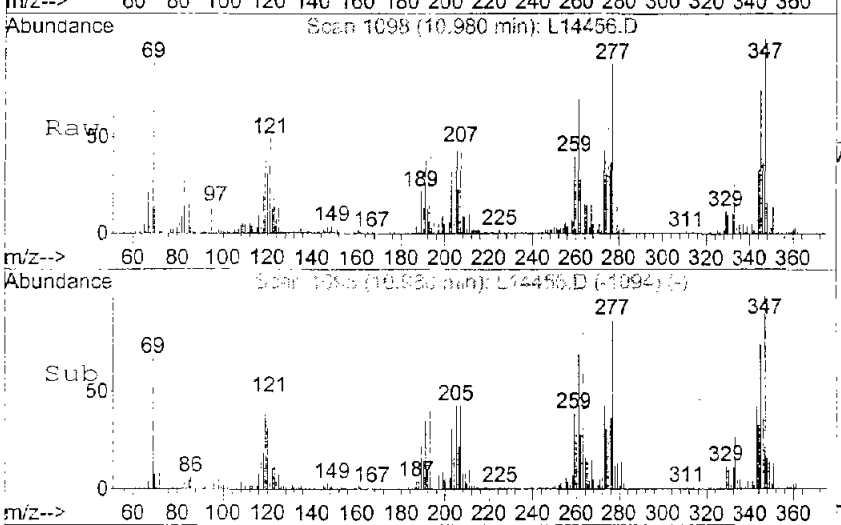


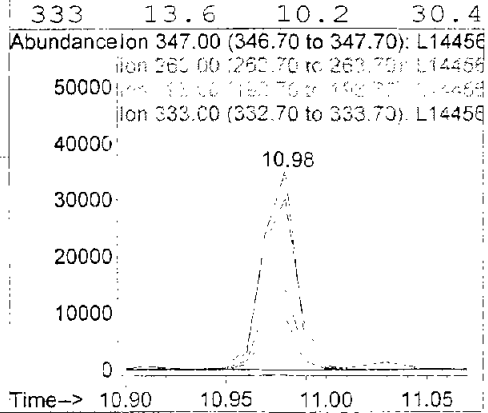


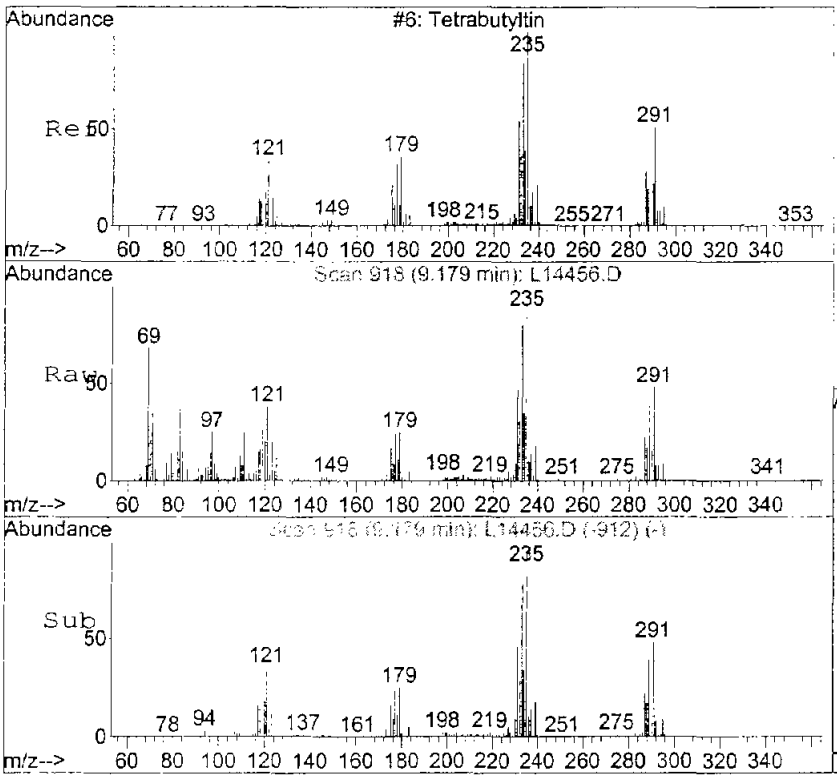
#2
Tripentyltin (S)
Concen: 61.93 PG/UL
RT: 10.98 min Scan# 1098
Delta R.T. -0.06 min
Lab File: L14456.D
Acq: 02 Dec 2004 0:09

Tgt Ion:347 Resp: 79961

Ion	Ratio	Lower	Upper
347	100		
263	48.7	18.6	74.4
193	23.7	17.0	51.0
333	13.6	10.2	30.4



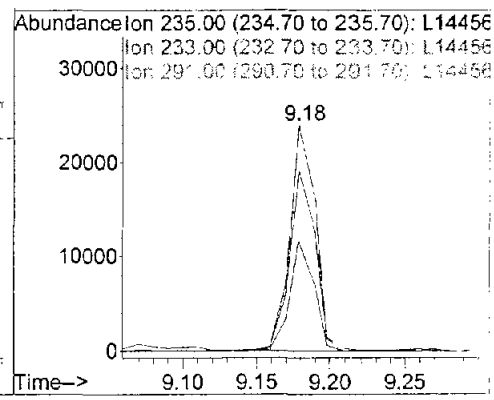


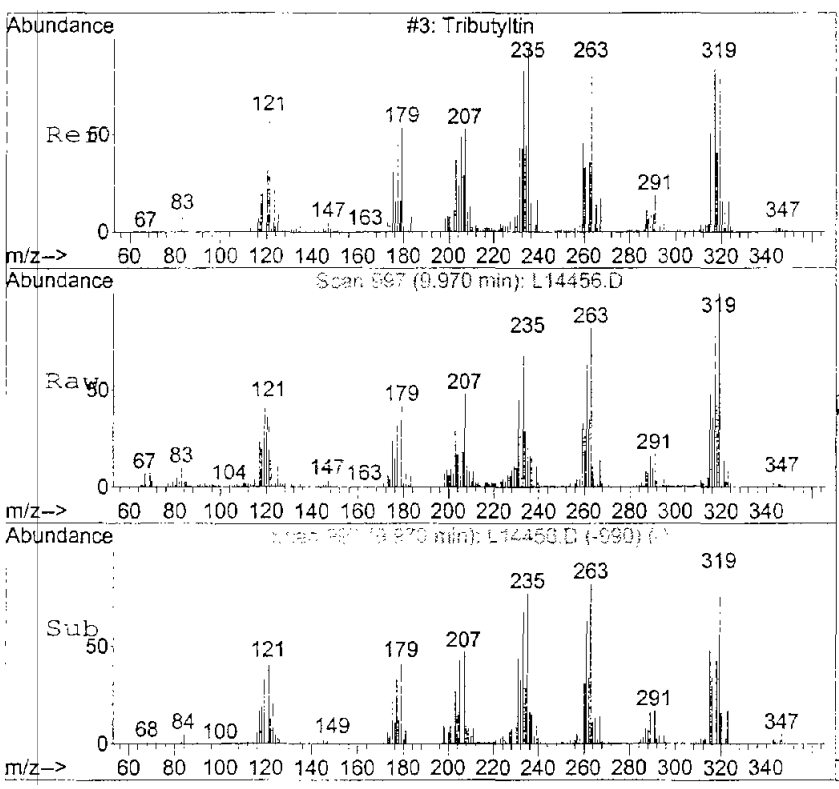


#3
Tetrabutyltin
Concen: 57.83 PG/UL
RT: 9.18 min Scan# 918
Delta R.T. -0.04 min
Lab File: L14456.D
Acq: 02 Dec 2004 0:09

Tgt Ion:235 Resp: 66575

Ion	Ratio	Lower	Upper
235	100		
233	34.7	25.0	46.4
291	20.4	14.4	26.7

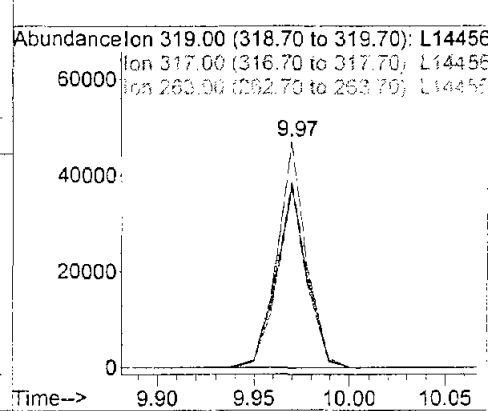


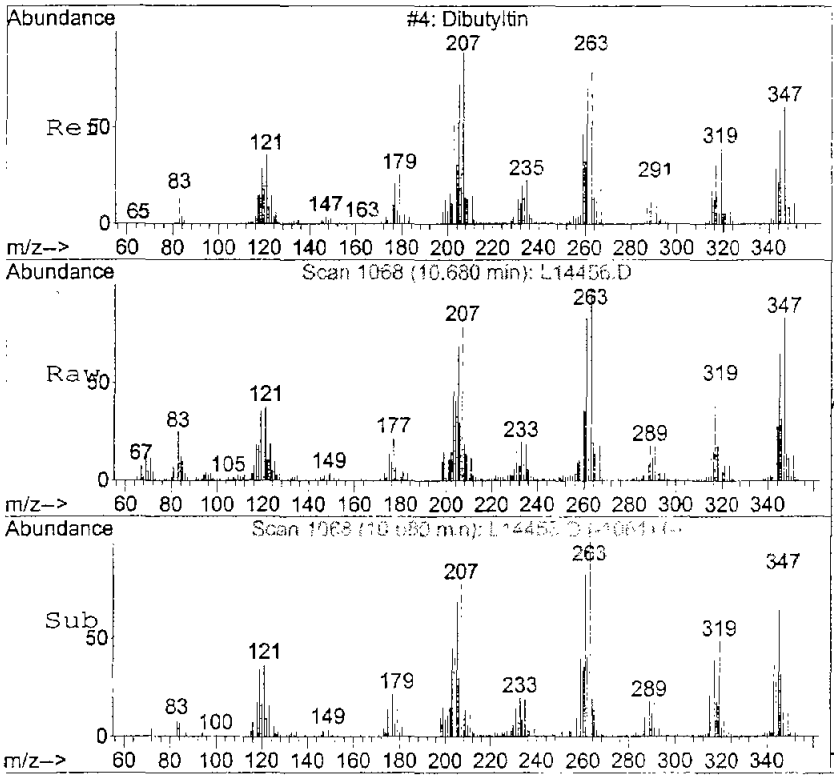


#4
Tributyltin
Concen: 70.28 PG/UL
RT: 9.97 min Scan# 997
Delta R.T. -0.03 min
Lab File: L14456.D
Acq: 02 Dec 2004 0:09

Tgt Ion:319 Resp: 140991

Ion	Ratio	Lower	Upper
319	100		
317	30.2	22.3	41.5
263	32.3	19.9	37.0

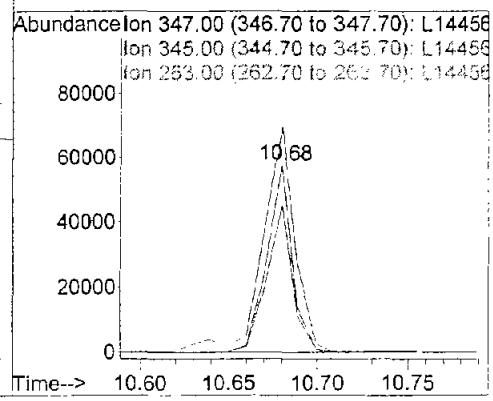


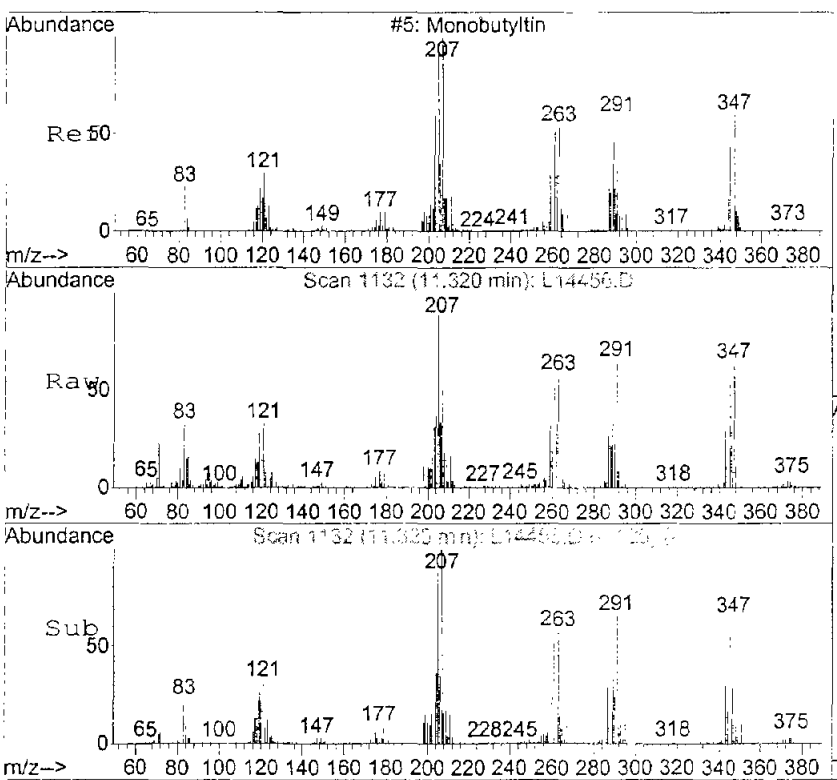


#5
Dibutyltin
Concen: 54.76 PG/UL
RT: 10.68 min Scan# 1068
Delta R.T. -0.03 min
Lab File: L14456.D
Acq: 02 Dec 2004 0:09

Tgt Ion:347 Resp: 146616

Ion	Ratio	Lower	Upper
347	100		
345	31.9	26.0	48.4
263	59.9	38.1	70.9

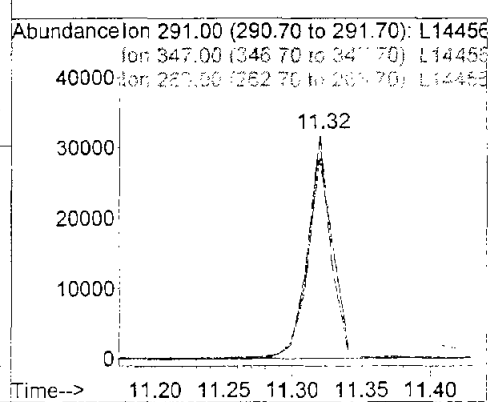




#6
Monobutyltin
Concen: 36.13 PG/UL
RT: 11.32 min Scan# 1132
Delta R.T. -0.04 min
Lab File: L14456.D
Acq: 02 Dec 2004 0:09

Tgt Ion:291 Resp: 109747

Ion	Ratio	Lower	Upper
291	100		
347	31.7	14.1	56.5
263	32.9	12.2	49.0



MATIX SPIKE / MATRIX SPIKE DUPLICATE

68600

Quantitation Report (Not Reviewed)

Data File : T:\DATA\122004\L14439.D Vial: 0
Acq On : 01 Dec 2004 17:19 Operator:
Sample : 125059-1 MS &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 10:34:15 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:34:12 2004
Response via : Initial Calibration
DataAcq Meth :

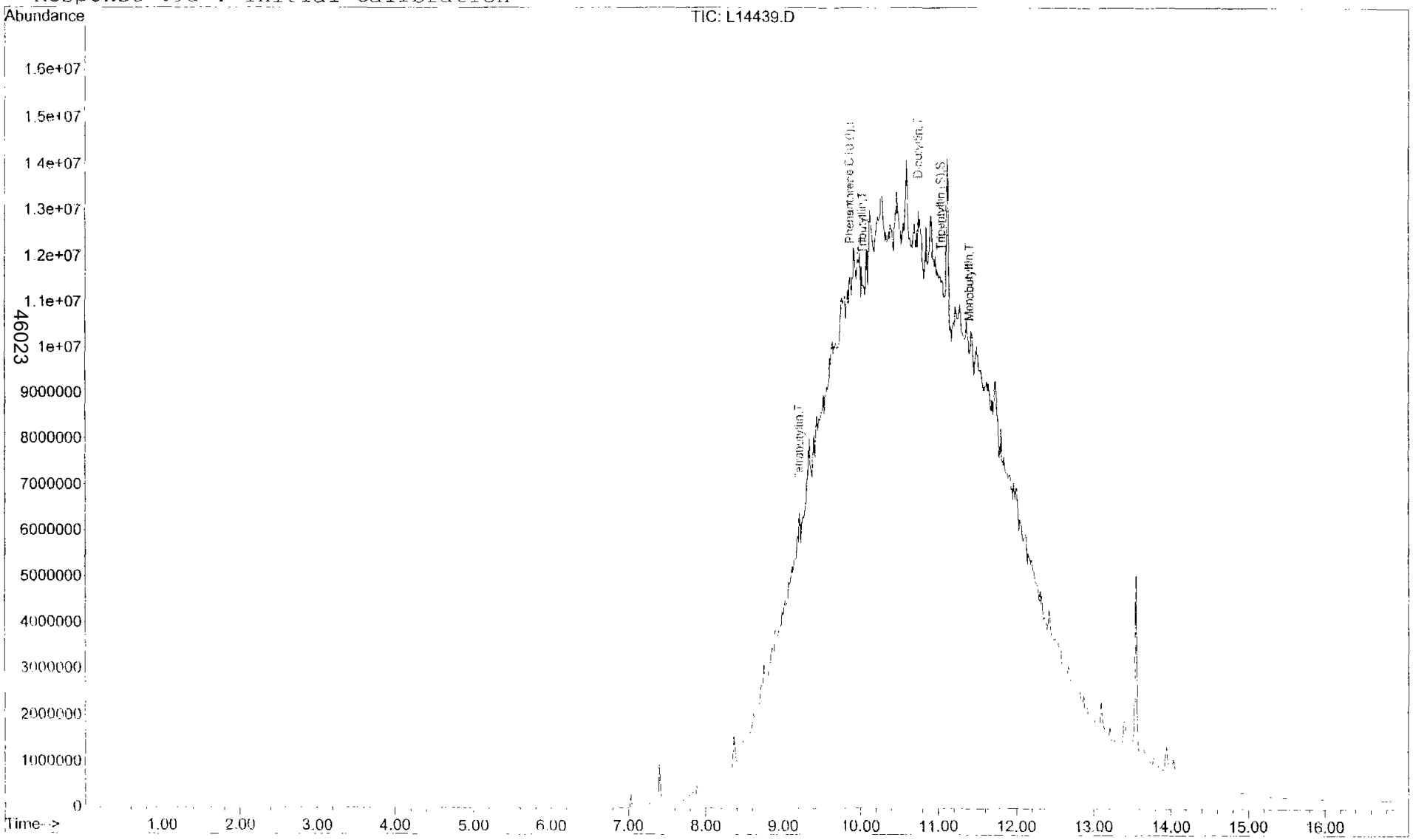
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.87	188	129171+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.04	347	67407+	47.84	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.21	235	105260+	83.77	PG/UL	96
4) Tributyltin	10.03	319	119611+	54.63	PG/UL	94
5) Dibutyltin	10.75	347	89645+	30.68	PG/UL	94
6) Monobutyltin	11.39	291	77106+	23.26	PG/UL	83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

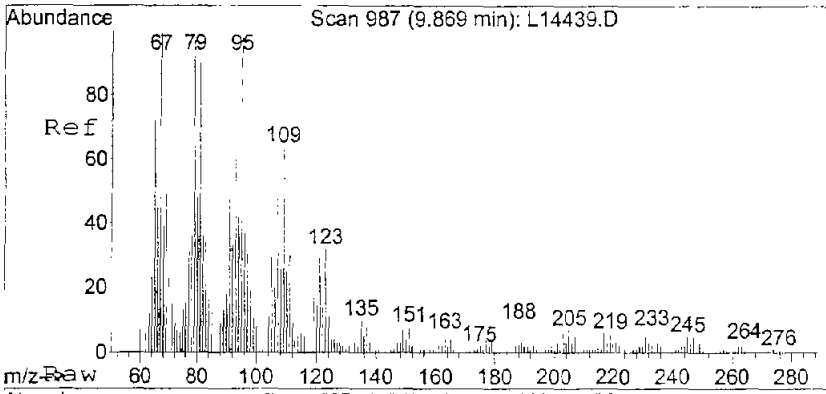
Data File : T:\DATA\122004\L14439.D Vial: 0
Acq On : 01 Dec 2004 17:19 Operator:
Sample : 125059-1 MS &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 2 10:34 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:35:12 2004
Response via : Initial Calibration



46023

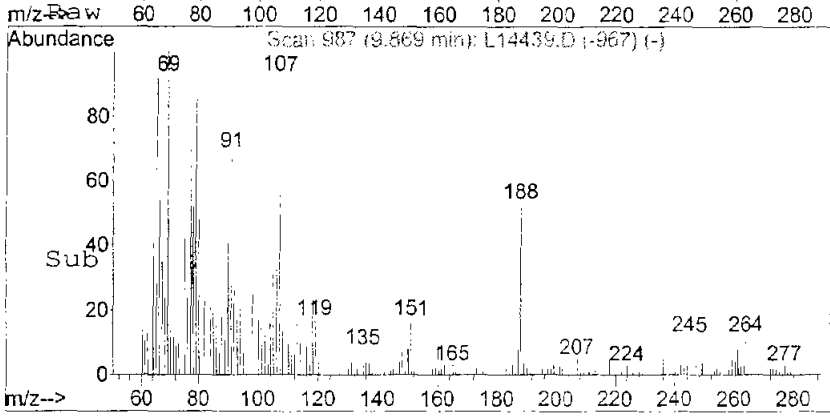
T6600

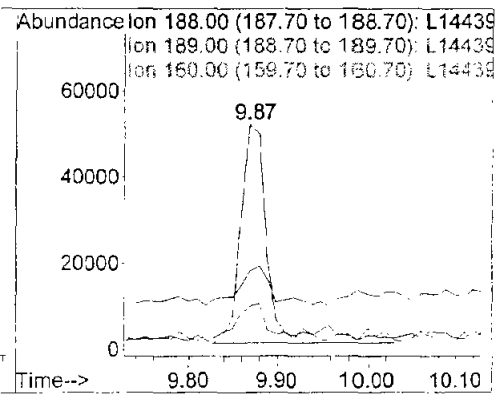


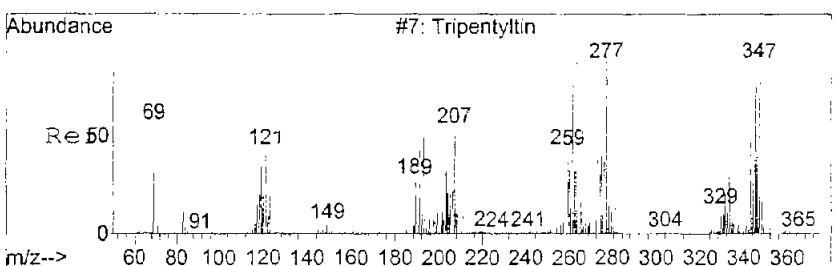
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.87 min Scan# 987
Delta R.T. 0.00 min
Lab File: L14439.D
Acq: 01 Dec 2004 17:19

Tgt Ion:188 Resp: 129171

Ion	Ratio	Lower	Upper
188	100		
189	15.3	17.5	40.9#
160	16.4	9.7	22.5



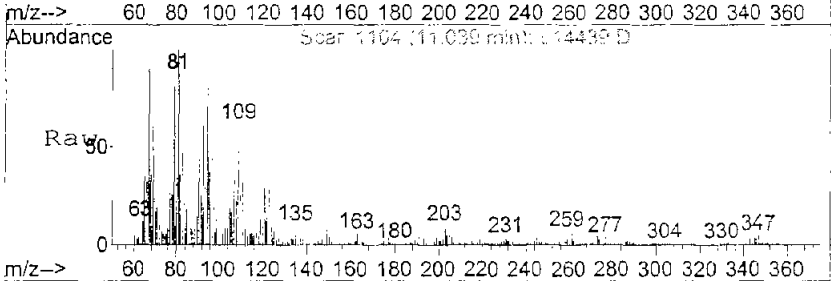


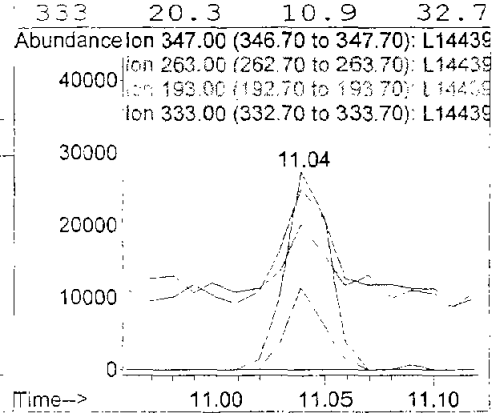


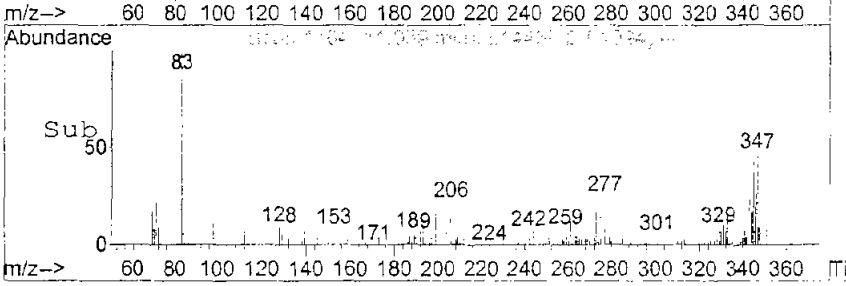
#2
Tripentyltin (S)
Concen: 47.84 PG/UL
RT: 11.04 min Scan# 1104
Delta R.T. 0.00 min
Lab File: L14439.D
Acq: 01 Dec 2004 17:19

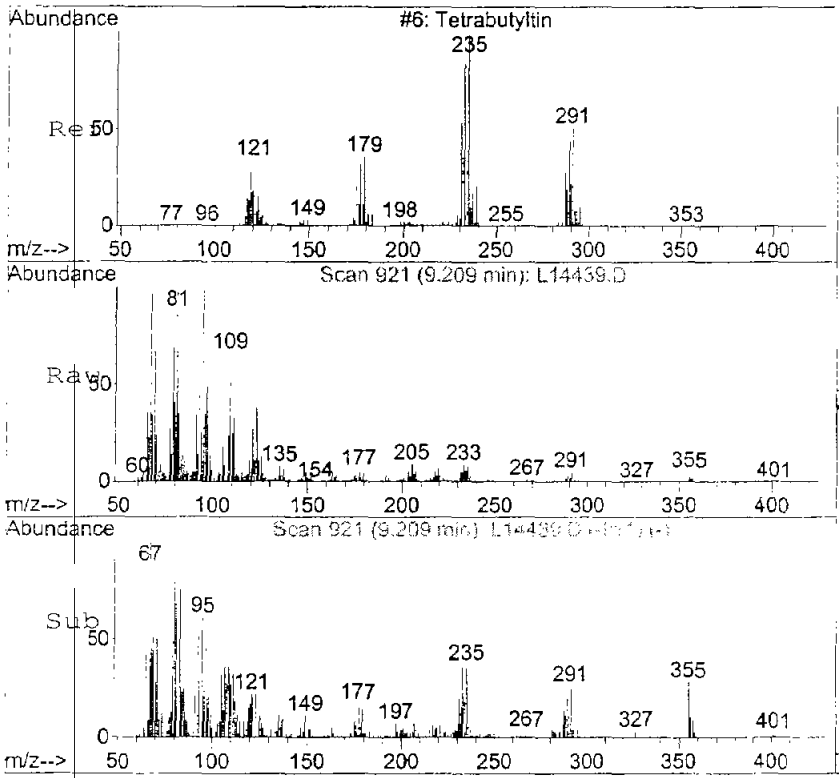
Tgt Ion:347 Resp: 67407

Ion	Ratio	Lower	Upper
347	100		
263	42.1	19.1	76.3
193	19.8	19.2	57.6
333	20.3	10.9	32.7





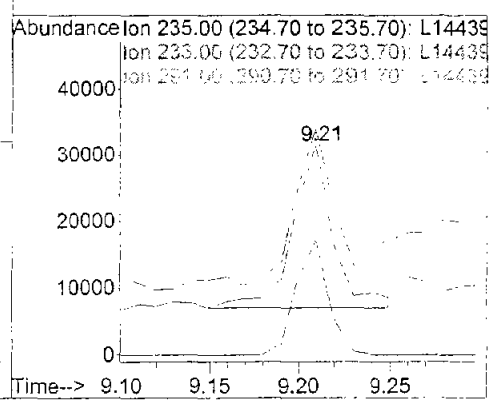


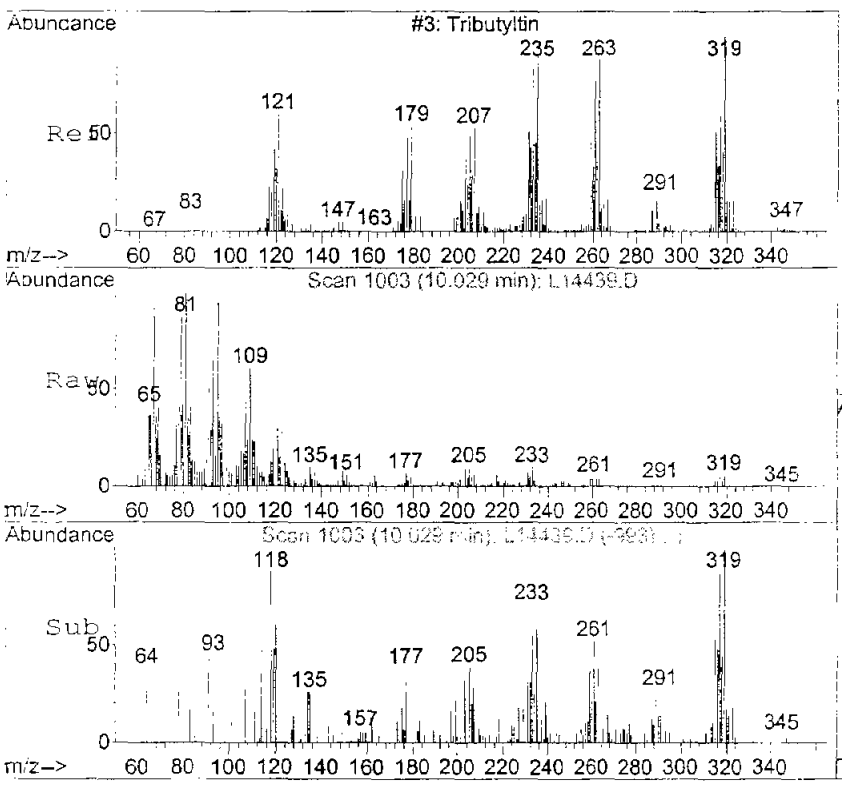


#3
Tetrabutyltin
Concen: 83.77 PG/UL
RT: 9.21 min Scan# 921
Delta R.T. 0.00 min
Lab File: L14439.D
Acq: 01 Dec 2004 17:19

Tgt Ion:235 Resp: 105260

Ion	Ratio	Lower	Upper
235	100		
233	44.5	28.8	53.4
291	20.1	14.6	27.0

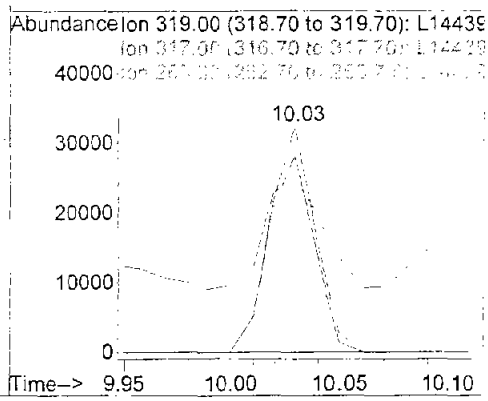


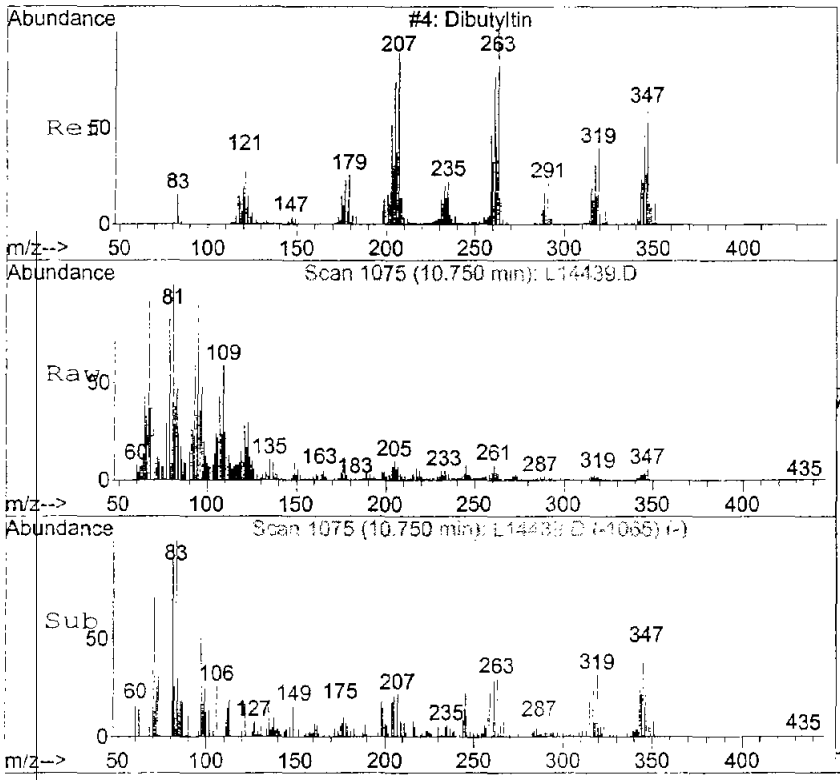


#4
Tributyltin
Concen: 54.63 PG/UL
RT: 10.03 min Scan# 1003
Delta R.T. 0.00 min
Lab File: L14439.D
Acq: 01 Dec 2004 17:19

Tgt Ion:319 Resp: 119611

Ion	Ratio	Lower	Upper
319	100		
317	35.6	23.1	42.9
263	24.7	20.4	38.0

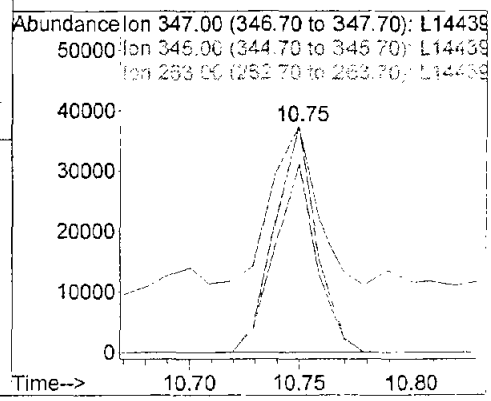


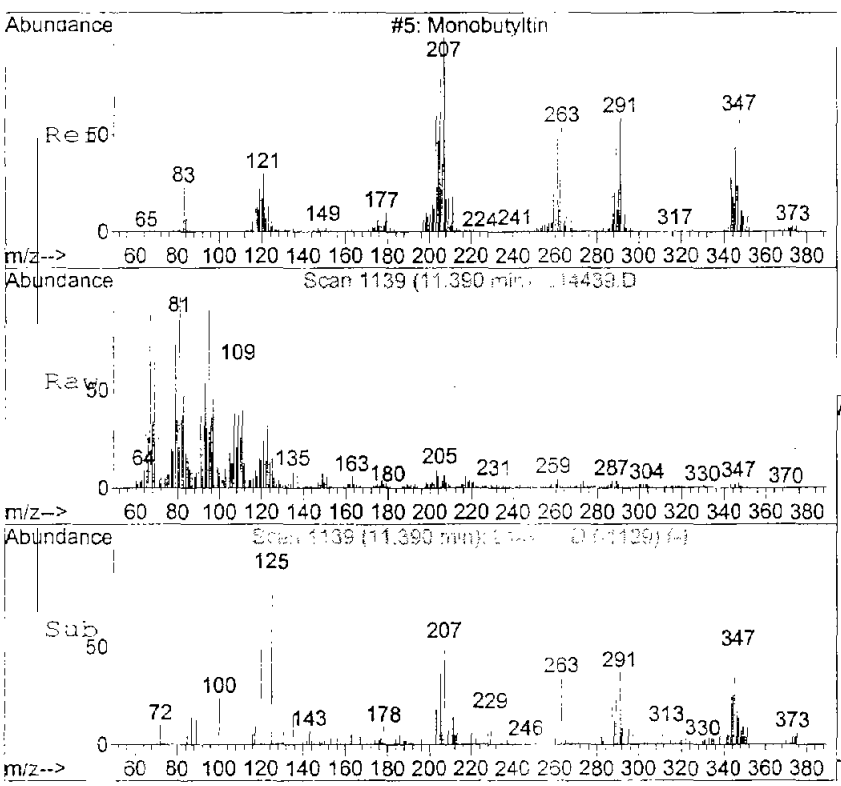


#5
Dibutyltin
Concen: 30.68 PG/UL
RT: 10.75 min Scan# 1075
Delta R.T. 0.00 min
Lab File: L14439.D
Acq: 01 Dec 2004 17:19

Tgt Ion:347 Resp: 89645

Ion	Ratio	Lower	Upper
347	100		
345	45.3	29.1	54.1
263	45.6	35.0	65.0

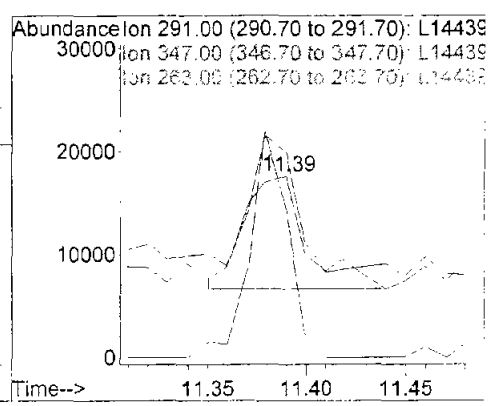




#6
Monobutyltin
Concen: 23.26 PG/UL
RT: 11.39 min Scan# 1139
Delta R.T. 0.00 min
Lab File: L14439.D
Acq: 01 Dec 2004 17:19

Tgt Ion:291 Resp: 77106

Ion	Ratio	Lower	Upper
291	100		
347	38.6	11.1	44.3
263	29.7	15.4	61.4



Quantitation Report (Not Reviewed)

Data File : T:\DATA\122004\L14440.D Vial: 0
Acq On : 01 Dec 2004 17:43 Operator:
Sample : 125059-1 MSD &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Dec 02 10:34:30 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:34:12 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	9.87	188	111288+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.04	347	62739+	51.68	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.20	235	95261+	88.00	PG/UL	91
4) Tributyltin	10.02	319	137311+	72.80	PG/UL	86
5) Dibutyltin	10.74	347	86653+	34.42	PG/UL	98
6) Monobutyltin	11.38	291	86902+	30.43	PG/UL	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed
L14440.D ORGTIN112404.M Thu Dec 02 10:35:51 2004 Page 1

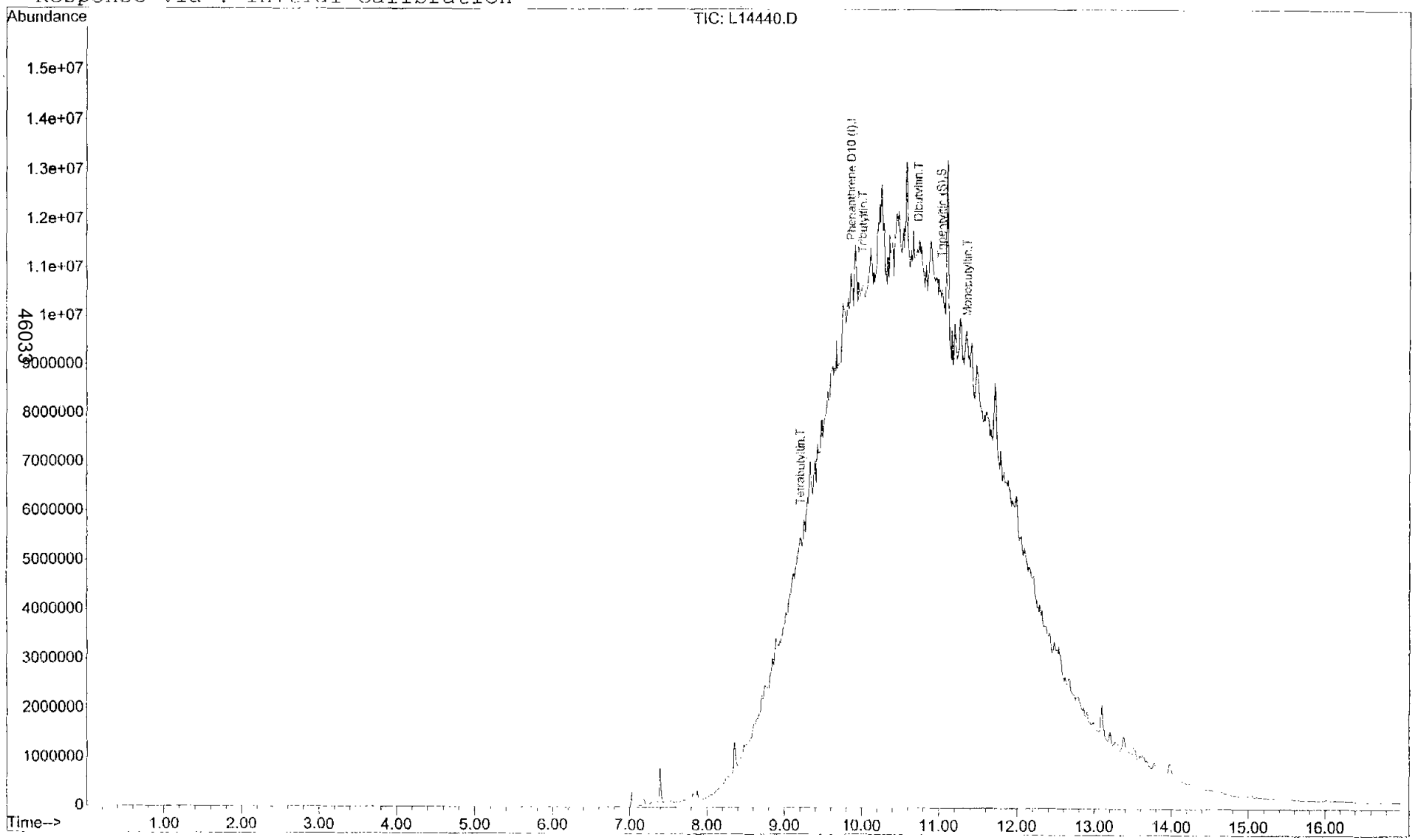
Quantitation Report (Not Reviewed)

Data File : T:\DATA\122004\L14440.D
Acq On : 01 Dec 2004 17:43
Sample : 125059-1 BGD &20 SOIL ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Dec 2 10:34 2004

Vial: 0
Operator:
Inst :
Multiplr: 1.00

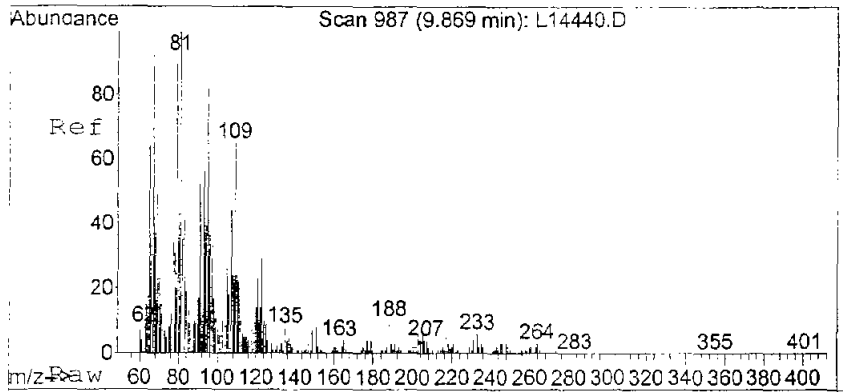
Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Thu Dec 02 10:35:12 2004
Response via : Initial Calibration



46033

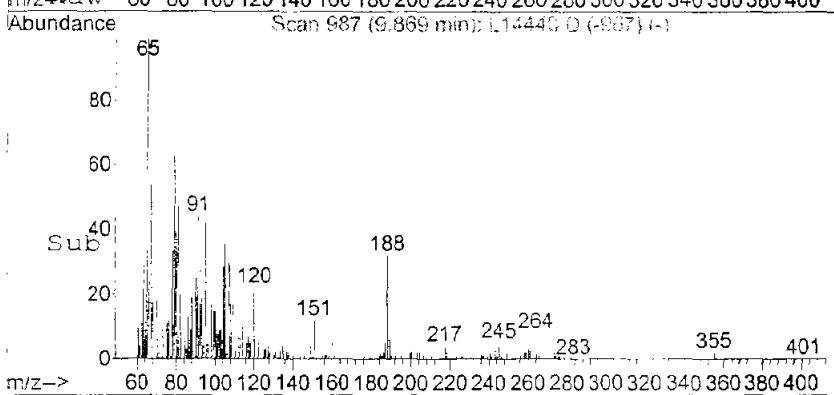
96600

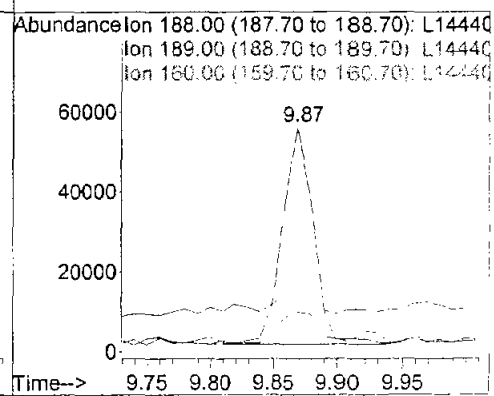


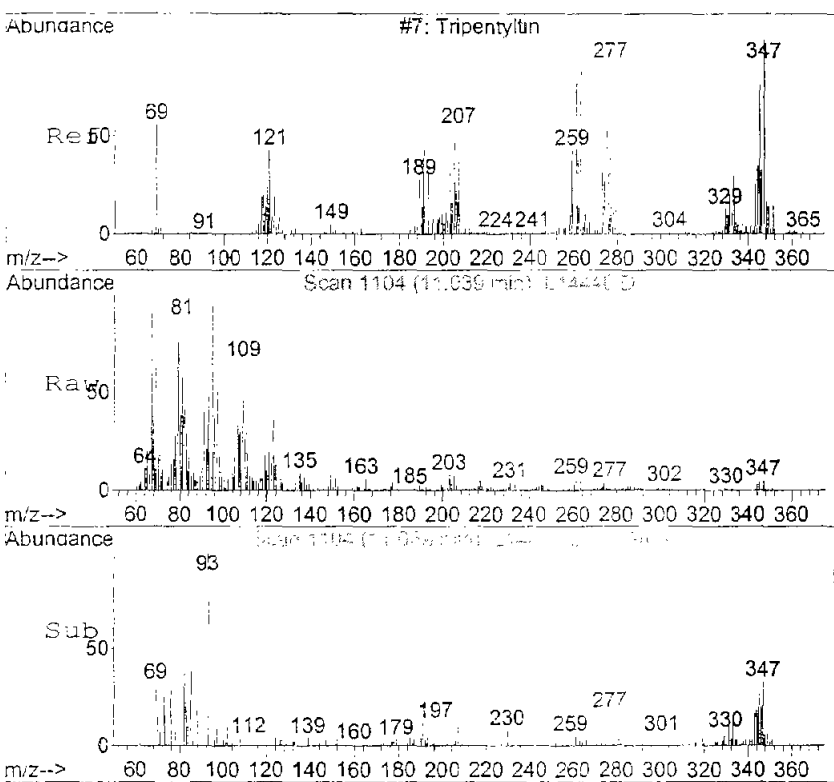
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 9.87 min Scan# 987
Delta R.T. 0.00 min
Lab File: L14440.D
Acq: 01 Dec 2004 17:43

Tgt Ion:188 Resp: 111288

Ion	Ratio	Lower	Upper
188	100		
189	19.2	17.5	40.9
160	15.3	9.7	22.5



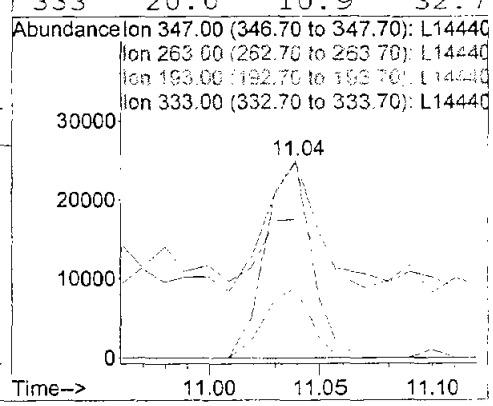


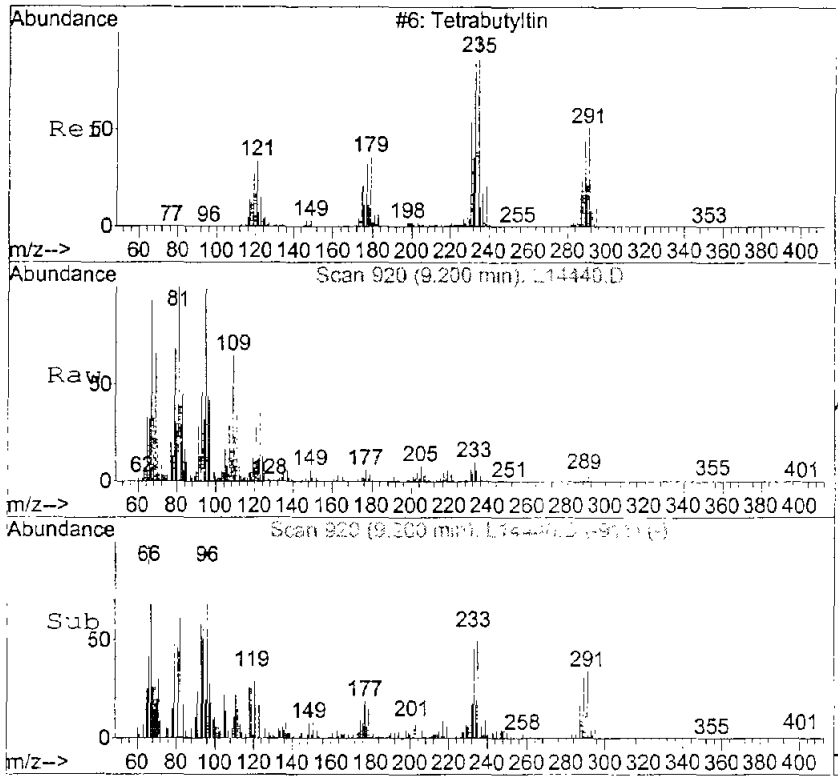


#2
Tripentyltin (S)
Concen: 51.68 PG/UL
RT: 11.04 min Scan# 1104
Delta R.T. 0.00 min
Lab File: L14440.D
Acq: 01 Dec 2004 17:43

Tgt Ion:347 Resp: 62739

Ion	Ratio	Lower	Upper
347	100		
263	42.1	19.1	76.3
193	24.4	19.2	57.6
333	20.0	10.9	32.7

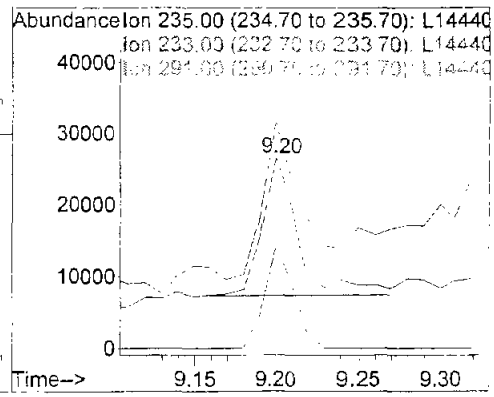


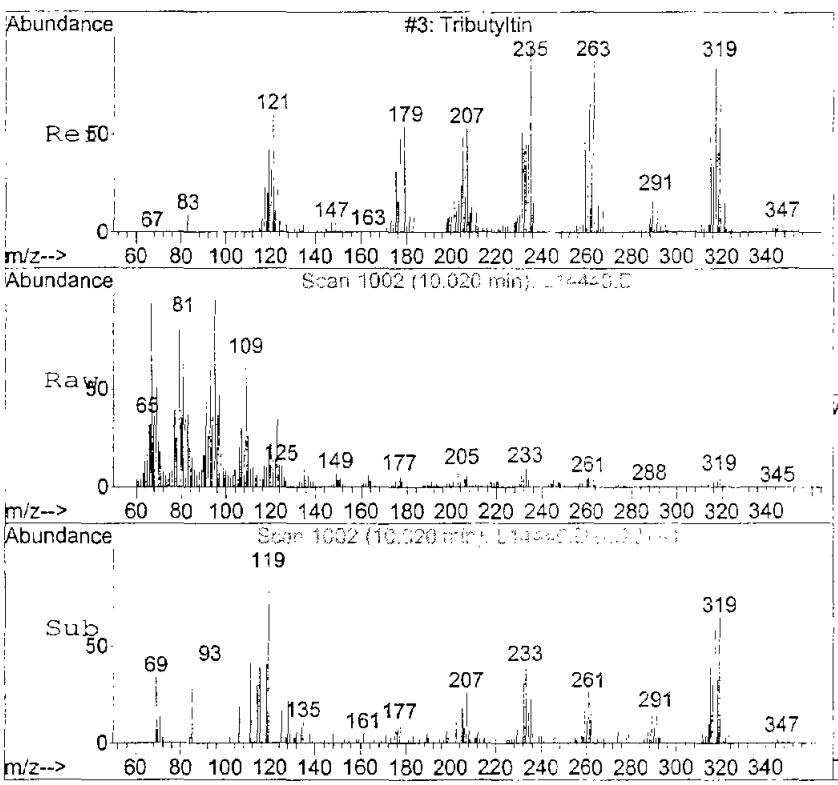


#3
Tetrabutyltin
Concen: 88.00 PG/UL
RT: 9.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: L14440.D
Acq: 01 Dec 2004 17:43

Tgt Ion:235 Resp: 95261

Ion	Ratio	Lower	Upper
235	100		
233	48.8	28.8	53.4
291	19.2	14.6	27.0

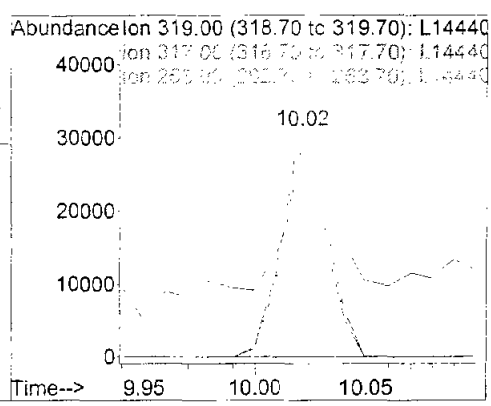


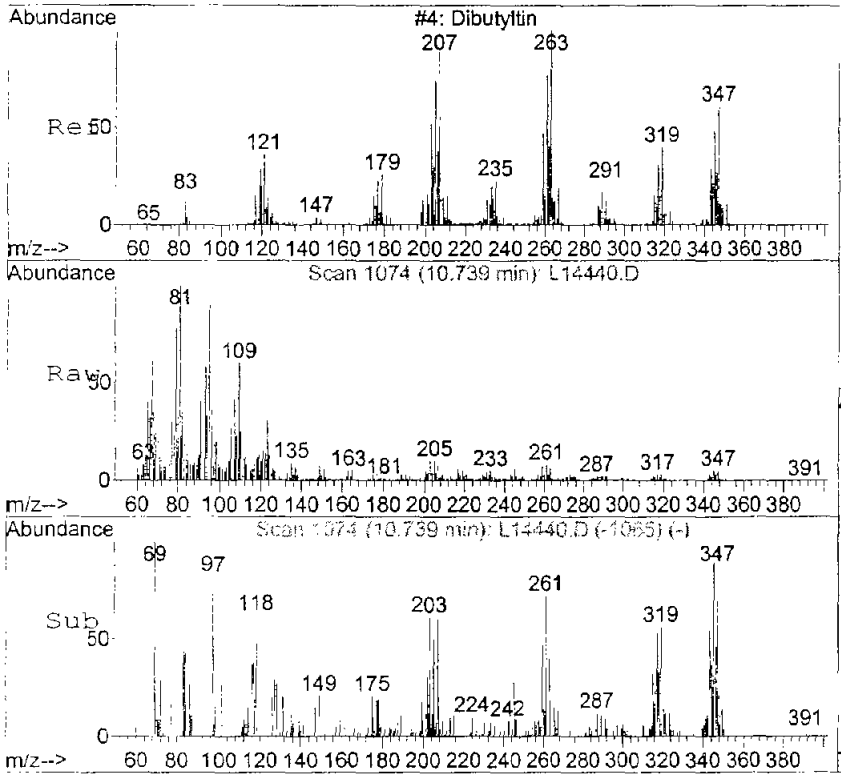


#4
Tributyltin
Concen: 72.80 PG/UL
RT: 10.02 min Scan# 1002
Delta R.T. -0.01 min
Lab File: L14440.D
Acq: 01 Dec 2004 17:43

Tgt Ion:319 Resp: 137311

Ion	Ratio	Lower	Upper
319	100		
317	28.3	23.1	42.9
263	39.9	20.4	38.0#

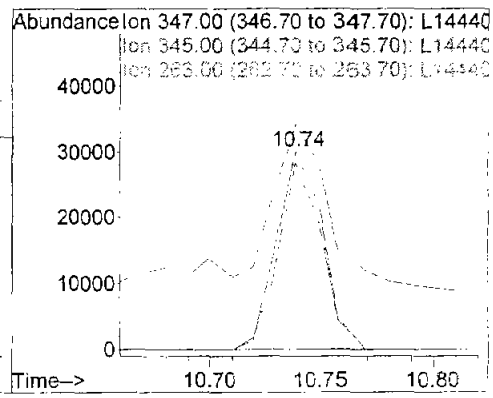


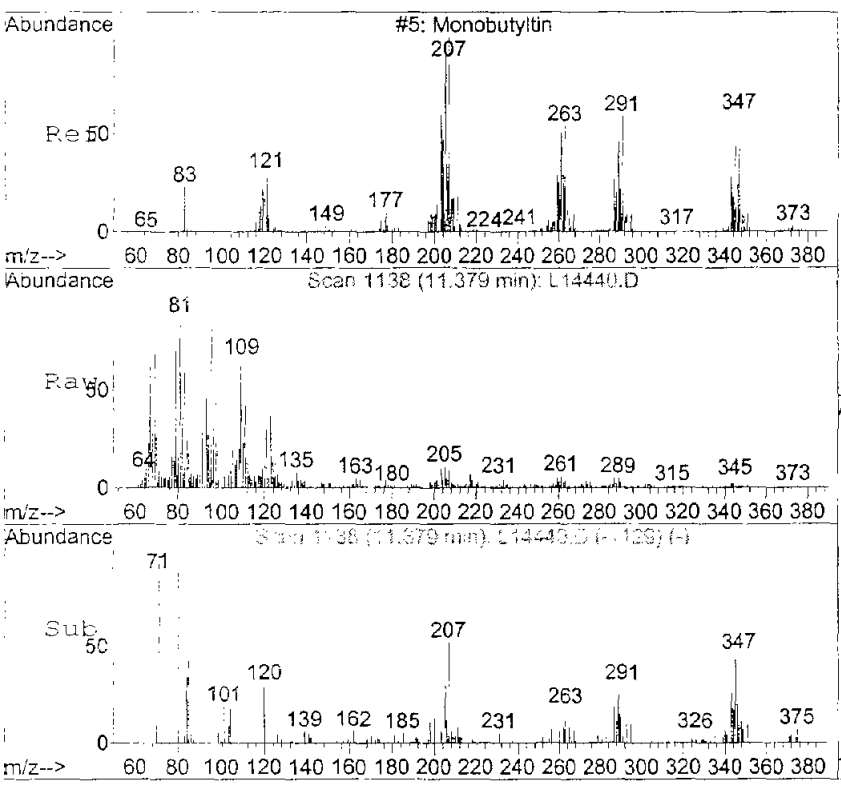


#5
Dibutyltin
Concen: 34.42 PG/UL
RT: 10.74 min Scan# 1074
Delta R.T. -0.01 min
Lab File: L14440.D
Acq: 01 Dec 2004 17:43

Tgt Ion:347 Resp: 86653

Ion	Ratio	Lower	Upper
347	100		
345	43.8	29.1	54.1
263	50.9	35.0	65.0

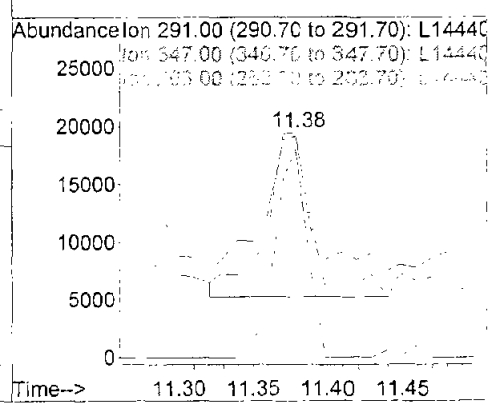




#6
Monobutyltin
Concen: 30.43 PG/UL
RT: 11.38 min Scan# 1138
Delta R.T. -0.01 min
Lab File: L14440.D
Acq: 01 Dec 2004 17:43

Tgt Ion:291 Resp: 86902

Ion	Ratio	Lower	Upper
291	100		
347	32.5	11.1	44.3
263	30.9	15.4	61.4



LABORATORY WORKSHEETS

01000

unlisted test Worksheet - total

QC Level:Tier IV
Matrix:solid
URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-3	%Solids	Client Sample ID	041123SGA28SS
Sample Weight/Volume	QA/QC Batch	**Date Sampled**	**1/23/2004 12:45:00 PM**

Analyte Name	Method	Result	PQL	Units
Organotins				

Sample number 125060-4	%Solids	Client Sample ID	041123SGA29SS
Sample Weight/Volume	QA/QC Batch	**Date Sampled**	**11/23/2004 1:15:00 PM**

Analyte Name	Method	Result	PQL	Units
Organotins				

Sample number 125060-6	%Solids	Client Sample ID	041123SGA31SS
Sample Weight/Volume	QA/QC Batch	**Date Sampled**	**11/23/2004 2:30:00 PM**

Analyte Name	Method	Result	PQL	Units
Organotins				

Analyst _____ Date _____

Reviewed by _____ Date 46043

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01001

Printed - 11/30/04

Organotins by GC\MS (PSEP) Protocol

QCBatch ID	STN0119				
Sample Matrix	Solid				
Surrogate Standard No	979-33-4s				
Expiration Date	12/24/04	Weighed By/Date 11/30/04 bh			
TBT Matrix Spike No.	979-33-5s	Extracted By/Date 11/30/04 bh			
Expiration Date	12/24/04	Derivatized By/Date 11/30/04 bh			
Internal Standard No.	980-89-1				
Expiration Date	12/24/04				
MeCl2 Lot Number	x48e16				
Na2SO4 Lot #		Spike Witness Signature/Date			
Extraction Method					

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	STN0119	15.0000	20	100	N/A
Duplicate	123759r1				N/A
Duplicate-2					N/A
Blank Spike	sSTN0119	15.0000	20	100	100
Blank Spike Duplicate	dSTN0119	15.0000	20	100	100
Matrix Spike	125059s1	15.9801	20	100	100
Matrix Spike Duplicate	125059d1	15.8313	20	100	100
Matrix Spike-2	124993s7				
Matrix Spike Duplicate-2	124993d7				

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	Comments
125059-1	041122SGA24SG	15.8045	20	100	
125059-2	041122SGA25SG	15.5657	20	100	
125059-3	041122SGA26SG	15.5520	20	100	
125059-4	041122SGA27SG	15.7253	20	100	
125059-12	041122SGA14SS	15.8214	20	100	
125059-13	041122SGA15SS	15.4290	20	100	
125059-14	041122SGA16SS	15.5886	20	100	
125059-15	041122SGA17SS	15.5265	20	100	
125059-16	041122SGA18SS	15.3839	20	100	
125059-17	041122SGA19SS	15.6976	20	100	
125060-3	041123SGA28SS	15.6872	20	100	
125060-4	041123SGA29SS	15.4393	20	100	
125060-6	041123SGA31SS	15.9970	20	100	

ORGANOTIN DERIVATIZATION LOG

Grignard reagent made at STL 12/01/03 expires 12/01/04
Magnesium metal lot no. 5922 Mallinkrodt -- 30 grams
1-Bromohexane lot no. 21511HB Aldrich -- 140.37 ml
Ethyl Ether Lot no. 020255-15 Fischer-- 500 ml

Amount added to extract: 250 ul
Date Derivatized: 11/30/04
Analyst:

01002

unlisted test Worksheet - total

QC Level:Tier IV

Matrix:Liquid

URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-11

Sample Weight/Volume

%Solids

QA/QC Batch

Client Sample ID 041123SGA16ERW

Date Sampled 11/23/2004 5:20:00 PM

Analyte Name	Method	Result	PQL	Units
Organotins				

Analyst

Reviewed by

Date

Date 46047

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01003

Printed - 11/29/2004

Organotins by GC\MS (PSEP) Protocol

QCBatch ID	WTN0193	pH2	pH7	pH12	
Sample Matrix	WATER	X			
Surrogate Standard No.	979-33-4w				
Expiration Date	11/24/2004	Weighed By/Date	bh 11-29-04		
8082 MS Spike No.	979-33-5w	Extracted By/Date	bh 11-29-04		
Expiration Date	11/24/2004				
Internal Standard No.	980-89-02	Tributyltin tier 4			
Expiration Date	11/22/2004				
MeCl2 Lot Number	Y11E32				
S.P.E Disk lot #	VO2425				
Na2SO4 Lot #	x390148	Spike Witness By/Date		NA	
Extraction Method	Solid Phase				

QC Sample Type	QC Identifier	SampleVolume (ml)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	WTN0193	1000	2	100	N/A
Duplicate					
Duplicate-2					
Blank Spike	sWTN0193	1000	2	100	100
Blank Spike Duplicate	dWTN0193	1000	2	100	100
Matrix Spike	124993s11				
Matrix Spike Duplicate	124993d11				
Matrix Spike-2					
Matrix Spike Duplicate-2					

Sample	Client Sample ID	Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	Comments
125053-1	IR01WB577	956	2	100	
125060-11	041123SGA16ERW	940	2	100	

ORGANOTIN DERIVATIZATION LOG

Gringnard reagent made at STL 12/01/03 expires 12/01/04
Magnesium metal lot no. 5922 Mallinkrodt -- 30 grams
1-Bromohexane lot no. 21511HB Aldrich -- 140.37 ml
Ethyl Ether Lot no. 020255-15 Fischer-- 500 ml

Amount added to extract: 250 ul
Date Derivatized: [illegible]
Analyst: [illegible]

01004

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**3**
Batch QC ID	**STN0119**
Client Sample ID	**041123SGA28SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0119

Sample weight (g)	**15.6872**	=	0.01569 /kg	Calc. Fact.	1.457723279
Extract volume (ml)	**20**	=	20 ml	Dry Weight	13.72002512 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**87.46**	=	0.8746	Spike Factor	72.88616393
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tripentyltin	60.5013		107	**OK**	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Dibutyltin	2.6947			3.93		2.19

01005

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**4**
Batch QC ID	**STN0119**
Client Sample ID	**041123SGA29SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0119

Sample weight (g)	**15.4393**	=	0.01544 /kg	Calc. Fact.	1.390954061
Extract volume (ml)	**20**	=	20 ml	Dry Weight	14.37862009 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**93.13**	=	0.9313	Spike Factor	69.54770303
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	87.4223		154	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Monobutyltin	2.4807			3.45		1.39

01006

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**6**
Batch QC ID	**STN0119**
Client Sample ID	**041123SGA31SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: STN0119

Sample weight (g)	**15.997**	=	0.016 /kg	Calc. Fact.	1.61633409
Extract volume (ml)	**20**	=	20 ml	Dry Weight	12.3736795 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**77.35**	=	0.7735	Spike Factor	80.81670452
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tripentyltin	79.7369		140	**OK**	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

	Target Analytes	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01007

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**11**
QC Batch Number	**WTN0193**
Client Sample ID	**41123SGA16ERW**
Date Received	**11-24-04**
Date Prepared	**11-29-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: WTN0193

Sample volume (ml)	**940**	=	0.94 /L	Calc. Fact.	0.00212766
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.063829787
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	68.3531		120	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01008

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
Batch QC ID	**STN0119**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**blank**

Related Blank: noblank

Sample weight (g)	**15**	=	0.015 /kg	Calc. Fact.	1.333333333
Extract volume (ml)	**20**	=	20 ml	Dry Weight	15 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	66.66666667
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	74.4182		131	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: noblank
QC Batch Number	**WTN0193**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**blank**

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.002
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	63.4576		112	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01010

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: STN0119
Batch QC ID	**STN0119**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**bs**

Sample weight (g)	**15**	=	0.015 /kg	Calc. Fact.	1.333333333
Extract volume (ml)	**20**	=	20 ml	Dry Weight	15 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	66.66666667
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	62.6566		110	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	54.7353			73		2
x	Tributyltin	64.0426			85.4		2.67
x	Dibutyltin	52.8298			70.4		2
x	Monobutyltin	38.8362			51.8		1.33

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: STN0119
Batch QC ID	**STN0119**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**bsd**

Sample weight (g)	**15**	=	0.015 /kg	Calc. Fact.	1.333333333
Extract volume (ml)	**20**	=	20 ml	Dry Weight	15 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	66.66666667
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	68.1177		120	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	60.3552			80.5		2
x	Tributyltin	72.6977			96.9		2.67
x	Dibutyltin	57.5263			76.7		2
x	Monobutyltin	42.1537			56.2		1.33

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**WTN0193**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**bs**

Related Blank: WTN0193

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.002
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	54.1497		95.4	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	55.6429			0.111		0.002
x	Tributyltin	64.2194			0.128		0.0014
x	Dibutyltin	51.4271			0.103		0.0008
x	Monobutyltin	35.9662			0.0719		0.0004

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: WTN0193
QC Batch Number	**WTN0193**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**bsd**

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.002
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	2
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	2

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	61.9296		109	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	57.8257			0.116		0.002
x	Tributyltin	70.2805			0.141		0.0014
x	Dibutyltin	54.7629			0.11		0.0008
x	Monobutyltin	36.1302			0.0723		0.0004

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125059**
Sample Number	**1**
Batch QC ID	**STN0119**
Client Sample ID	**041122SGA24SG**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**ms**

Related Blank: STN0119

Sample weight (g)	**15.9801**	=	0.01598 /kg	Calc. Fact.	1.280626853
Extract volume (ml)	**20**	=	20 ml	Dry Weight	15.61735173 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**97.73**	=	0.9773	Spike Factor	64.03134266
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	47.8371		84.3	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	83.7748			107		1.92
x	Tributyltin	54.633			70		2.56
x	Dibutyltin	30.6811			39.3		1.92
x	Monobutyltin	23.2598			29.8		1.28

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125059**
Sample Number	**1**
Batch QC ID	**STN0119**
Client Sample ID	**041122SGA24SG**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**msd**

Related Blank: STN0119

Sample weight (g)	**15.8313**	=	0.01583 /kg	Calc. Fact.	1.292663595
Extract volume (ml)	**20**	=	20 ml	Dry Weight	15.47192949 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**97.73**	=	0.9773	Spike Factor	64.63317976
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	20
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tripentyltin	51.6791		91	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	87.9998			114		1.94
x	Tributyltin	72.7957			94.1		2.59
x	Dibutyltin	34.4228			44.5		1.94
x	Monobutyltin	30.4274			39.3		1.29

ORGANOCHLORINE PESTICIDES DATA PACKAGE

SAMPLE DATA

01018

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08368.D\ECD1A.CH Vial: 48
Signal #2 : H:\DATA\120904\ECD08368.D\ECD2B.CH
Acq On : 09 Dec 2004 11:25 pm Operator: SJL/CRF
Sample : 125060-03 PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05:04 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

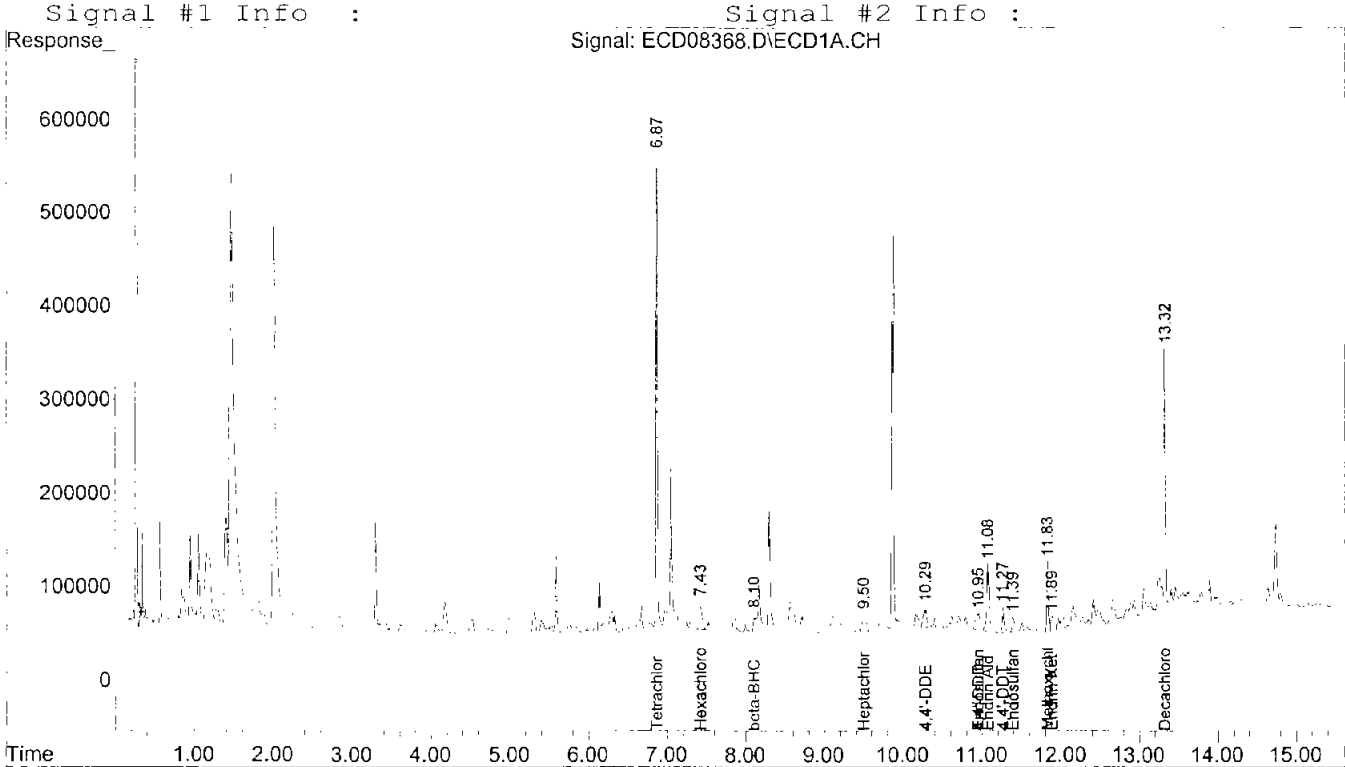
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.87	6.11	6495138	3866908	12.337	12.693	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					61.69%	63.46%	
24)	SR	Decachlorobiphen	13.32	12.74	3141102	4170561	15.408	20.905	#
		Spiked Amount 20.000 Range 60 - 150 Recovery =					77.04%	104.53%	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	7.43	6.78f	561226	663924	0.964	2.067	#
5)	M	gamma-BHC (Linda	0.00	7.27	0	247616	N.D.	0.587	#
6)		beta-BHC	8.11	7.61	252815	240028	0.884	1.235	#
7)		delta-BHC	0.00	7.89	0	265046	N.D.	0.785	#
8)	M	Heptachlor	0.00	7.72f	0	1225663	N.D.	3.481	#
9)	M	Aldrin	0.00	7.99	0	500947	N.D.	1.418	#
10)		Heptachlor Epoxi	9.50	0.00	551458	0	1.005	N.D.	#
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	9.20f	0	847145	N.D.	2.287	#
13)		Endosulfan I	0.00	9.20	0	847145	N.D.	2.505	#
14)		4,4'-DDE	10.28	9.52	675956	325418	1.580	0.938	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.	
17)		4,4'-DDD	10.95f	0.00	726499	0	3.113	N.D.	#
18)		Endosulfan II	10.95	10.37	726499	83229	2.949	0.271	#
19)	M	4,4'-DDT	11.27	10.61	540352	645179	3.150	2.677	
20)		Endrin Aldehyde	11.08f	10.67	1683295	1634762	8.304	6.250	
21)		Endosulfan Sulfa	11.39f	0.00	394379	0	1.618	N.D.	#
22)		Methoxychlor	11.83f	11.42	1124249	378091	9.978	3.022	#
23)		Endrin Ketone	11.89	0.00	557642	0	1.636	N.D.	#

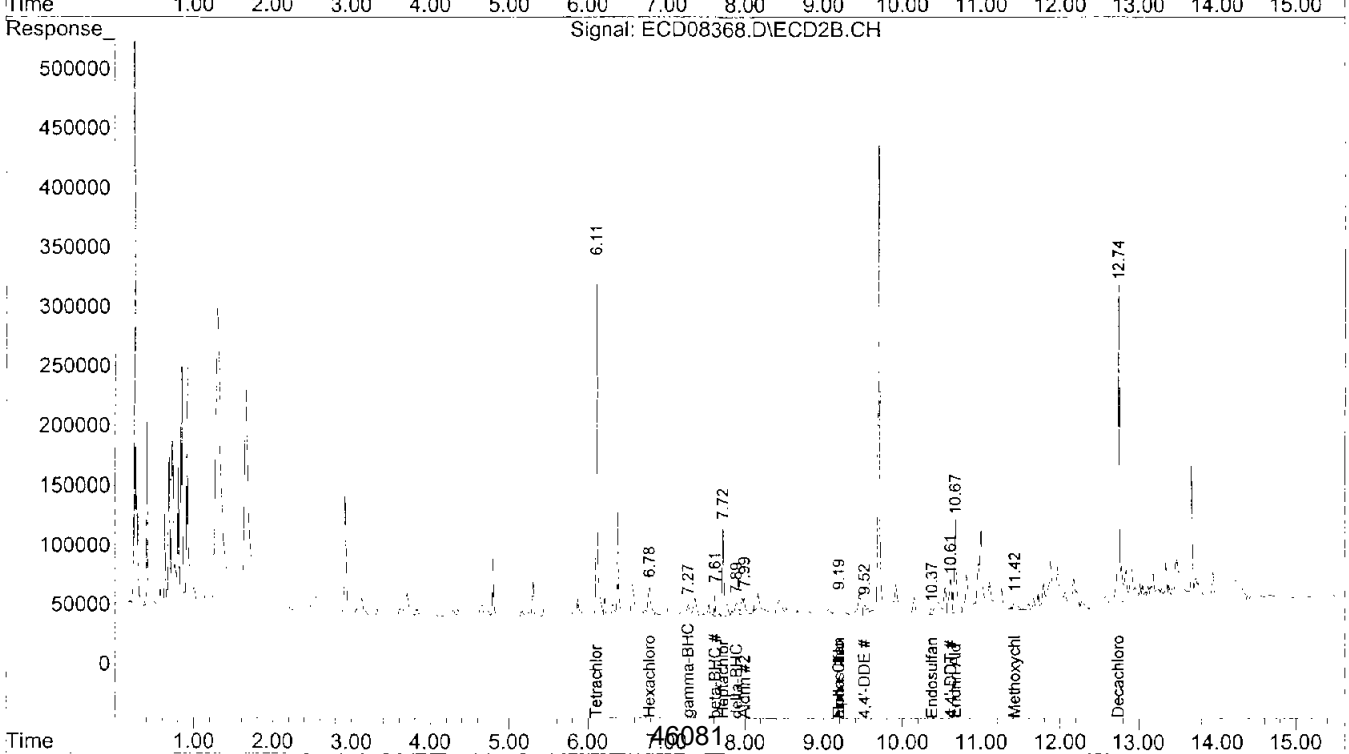
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08368.D\ECD1A.CH Vial: 48
Signal #2 : H:\DATA\120904\ECD08368.D\ECD2B.CH
Acq On : 09 Dec 2004 11:25 pm Operator: SJL/CRF
Sample : 125060-03 PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08369.D\ECD1A.CH Vial: 49
Signal #2 : H:\DATA\120904\ECD08369.D\ECD2B.CH
Acq On : 09 Dec 2004 11:46 pm Operator: SJL/CRF
Sample : 125060-04 PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05:10 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

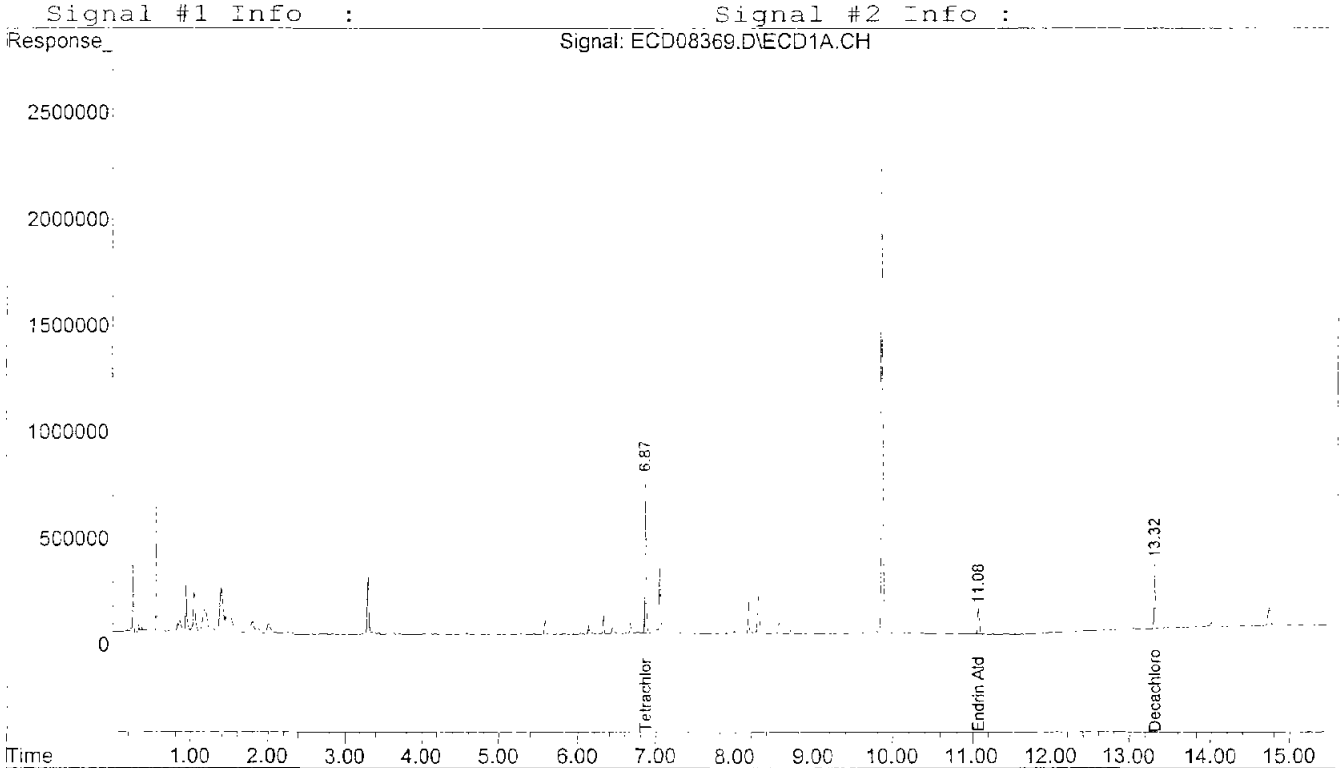
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
2)	SR Tetrachloro-m-xy	6.87	6.11	8511060	5028532	16.166	16.506
	Spiked Amount 20.000 Range 60 - 150 Recovery =					80.83%	82.53%
24)	SR Decachlorobiphen	13.32	12.74	3639896	3413246	17.970	17.109
	Spiked Amount 20.000 Range 60 - 150 Recovery =					89.85%	85.55%
	Target Compounds						
1)	T Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.
3)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	T Hexachlorobenzen	0.00	6.79f	0	174511	N.D.	0.543 #
5)	M gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.
6)	beta-BHC	0.00	7.61	0	1011306	N.D.	6.206 #
7)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)	M Heptachlor	0.00	7.72f	0	1379895	N.D.	3.919 #
9)	M Aldrin	0.00	7.99	0	629415	N.D.	1.782 #
10)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
11)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)	alpha-Chlordane	0.00	9.14	0	163715	N.D.	0.442 #
13)	Endosulfan I	0.00	9.14f	0	163715	N.D.	0.484 #
14)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
15)	M Dieldrin	0.00	0.00	0	0	N.D.	N.D.
16)	M Endrin	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
18)	Endosulfan II	0.00	10.41f	0	28320	N.D.	0.092 #
19)	M 4,4'-DDT	0.00	10.61	0	54458	N.D.	0.226 #
20)	Endrin Aldehyde	11.08f	10.67	1780293	2265096	8.783	8.660
21)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
22)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
23)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

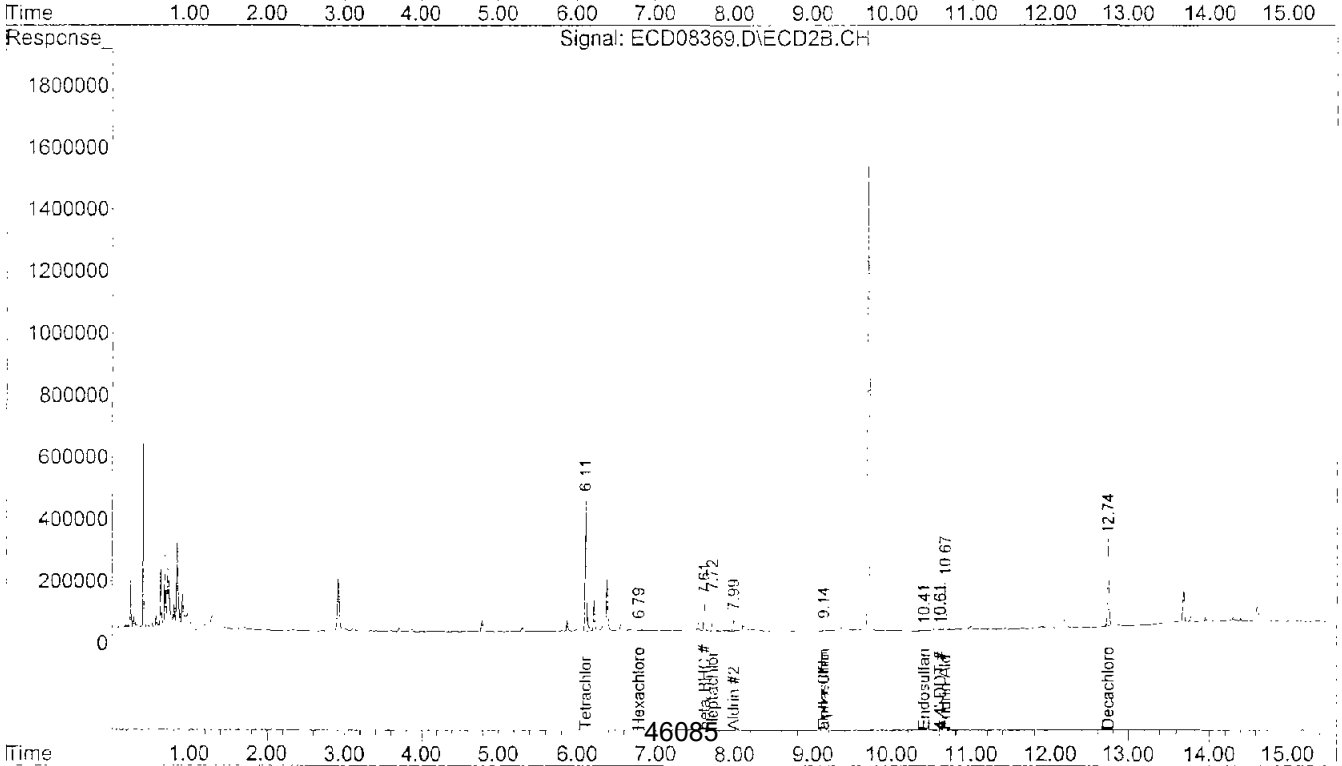
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08369.D\ECD1A.CH Vial: 49
Signal #2 : H:\DATA\120904\ECD08369.D\ECD2B.CH
Acq On : 09 Dec 2004 11:46 pm Operator: SJL/CRF
Sample : 125060-04 PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46085

01022

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08372.D\ECD1A.CH Vial: 52
Signal #2 : H:\DATA\120904\ECD08372.D\ECD2B.CH
Acq On : 10 Dec 2004 12:49 am Operator: SJL/CRF
Sample : 125060-05 PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05:27 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.87	6.11	8217465	4639692	15.609	15.230	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					78.05%	76.15%	
24)	SR	Decachlorobiphen	13.32	12.74	3036297	2967021	14.870	14.872	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					74.35%	74.36%	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.	
6)		beta-BHC	0.00	7.61	0	250146	N.D.	1.300	#
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	0.00	7.72f	0	985312	N.D.	2.798	#
9)	M	Aldrin	0.00	7.99	0	524720	N.D.	1.486	#
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	9.14	0	189044	N.D.	0.510	#
13)		Endosulfan I	0.00	9.14f	0	189044	N.D.	0.559	#
14)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.	
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.	
17)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
18)		Endosulfan II	0.00	10.41f	0	344225	N.D.	1.121	#
19)	M	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.	
20)		Endrin Aldehyde	11.08f	10.67	1436196	1713921	7.085	6.553	
21)		Endosulfan Sulfa	0.00	10.96f	0	88178	N.D.	0.286	#
22)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.	
23)		Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.	

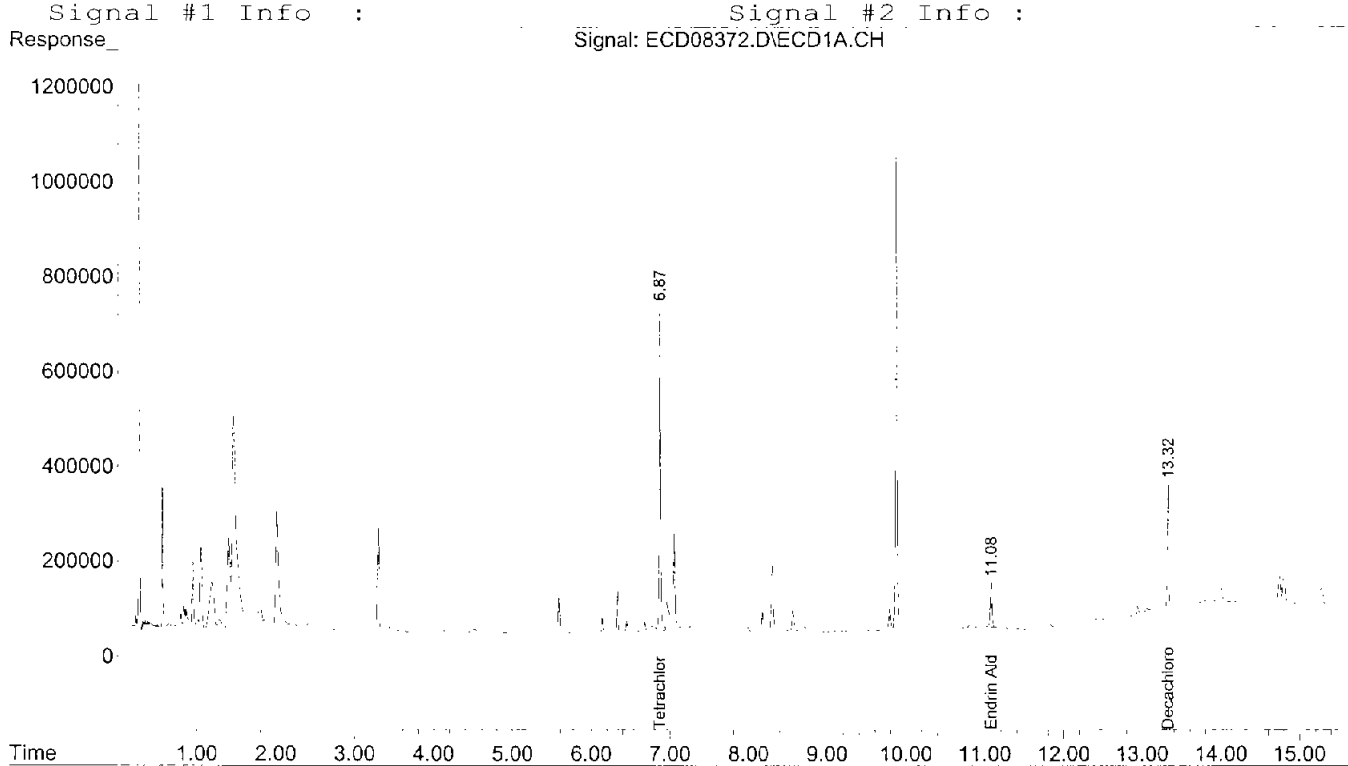
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

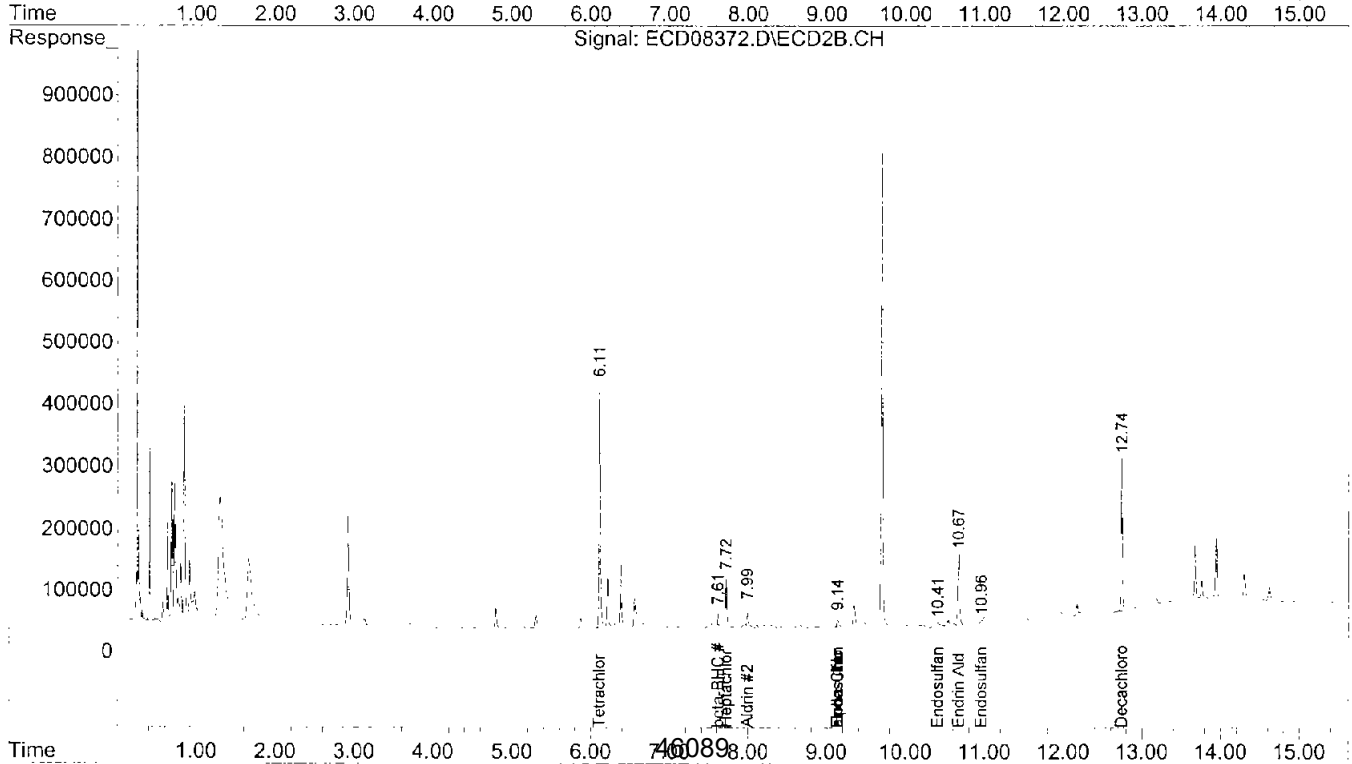
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08372.D\ECD1A.CH Vial: 52
Signal #2 : H:\DATA\120904\ECD08372.D\ECD2B.CH
Acq On : 10 Dec 2004 12:49 am Operator: SJL/CRF
Sample : 125060-05 PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46089

01024

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08373.D\ECD1A.CH Vial: 53
Signal #2 : H:\DATA\120904\ECD08373.D\ECD2B.CH
Acq On : 12-10-2004 01:10:40 AM Operator: SJL/CRF
Sample : 125060-06 PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05:32 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.87	6.11	8389689	4729669	15.936	15.525	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					79.68%	77.63%	
24)	SR	Decachlorobiphen	13.32	12.74	3196317	3110274	15.692	15.590	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					78.46%	77.95%	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	6.79f	0	226192	N.D.	0.704	#
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.	
6)		beta-BHC	8.03f	7.61	224776	527016	0.786	3.085	#
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	0.00	7.72f	0	1763517	N.D.	5.008	#
9)	M	Aldrin	0.00	7.99	0	1072736	N.D.	3.038	#
10)		Heptachlor Epoxi	9.53	8.66	277126	516768	0.505	1.455	#
11)		gamma-Chlordane	9.93	0.00	657437	0	1.309	N.D.	#
12)		alpha-Chlordane	0.00	9.14	0	235143	N.D.	0.635	#
13)		Endosulfan I	0.00	9.14f	0	235143	N.D.	0.695	#
14)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.	
15)	M	Dieldrin	0.00	9.61	0	209166	N.D.	0.615	#
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.	
17)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
18)		Endosulfan II	0.00	10.41f	0	634413	N.D.	2.066	#
19)	M	4,4'-DDT	0.00	10.59	0	417442	N.D.	1.732	#
20)		Endrin Aldehyde	11.08f	10.67	4426329	5672705	21.836	21.688	
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.83f	11.42	562373	205624	4.991	1.643	#
23)		Endrin Ketone	11.83f	11.56	562373	1310506	1.650	3.639	#

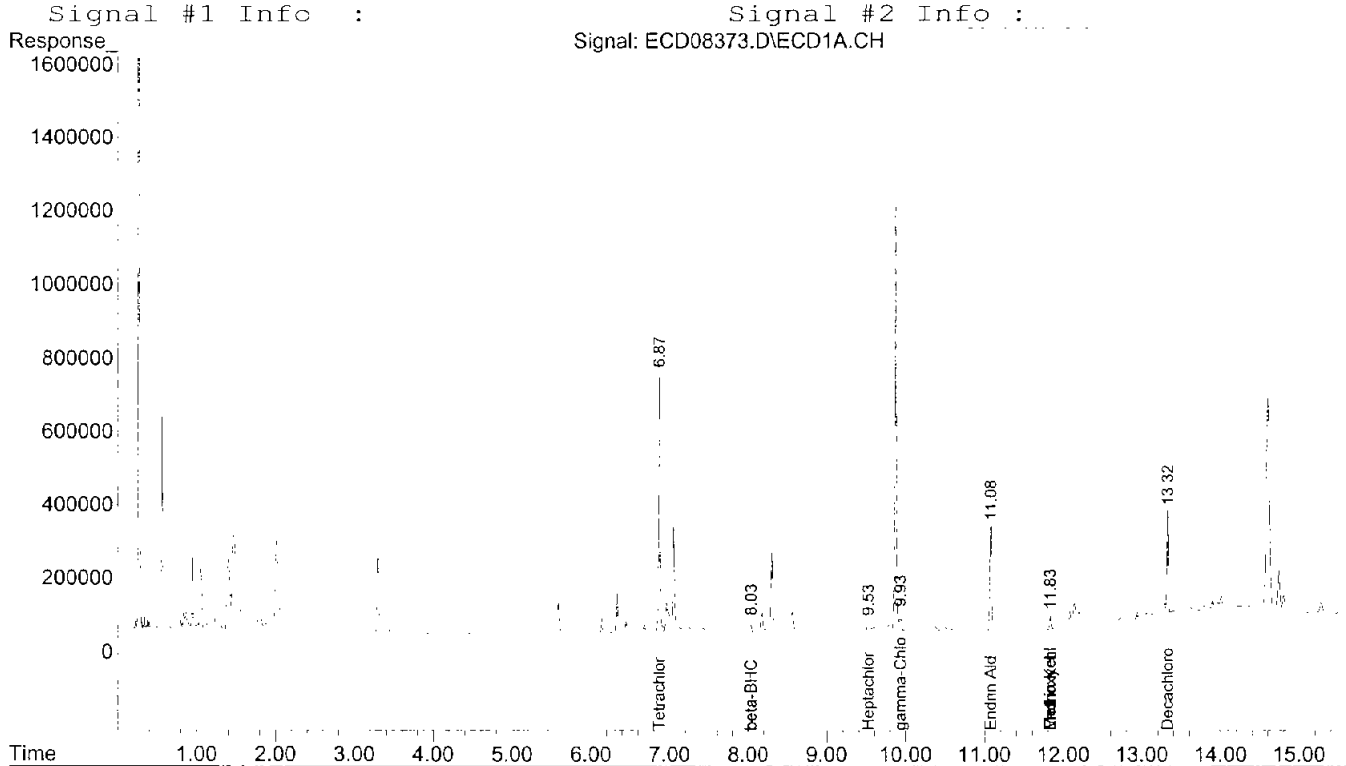
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

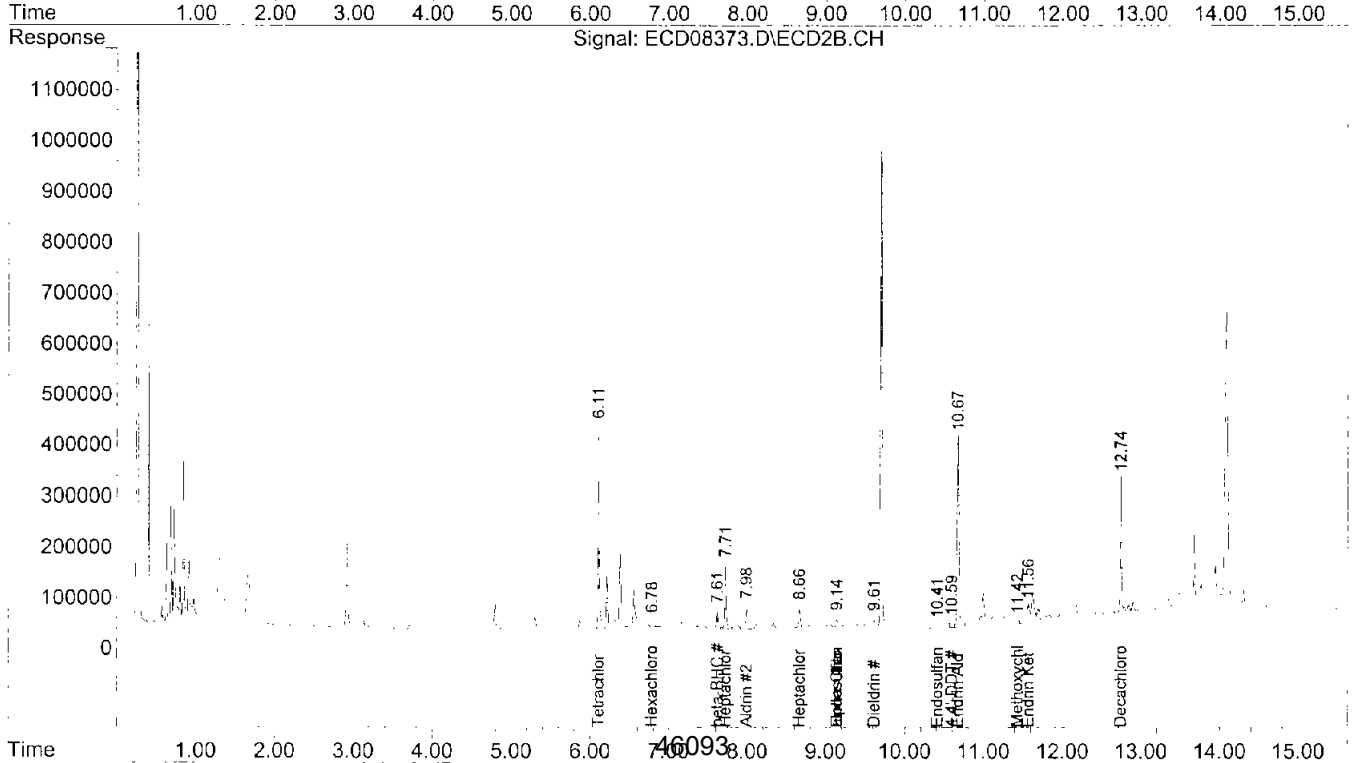
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08373.D\ECD1A.CH Vial: 53
Signal #2 : H:\DATA\120904\ECD08373.D\ECD2B.CH
Acq On : 12-10-2004 01:10:40 AM Operator: SJL/CRF
Sample : 125060-06 PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





INITIAL CALIBRATION

01027

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08186.D\ECD1A.CH Vial: 37
Signal #2 : H:\DATA\120204\ECD08186.D\ECD2B.CH
Acq On : 02 Dec 2004 10:44 pm Operator: SJL/CRF
Sample : 125060-03 PE1800 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:29:51 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.84	6.08	7201998	4403859	13.484	14.044	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					67.42%	70.22%	
24)	SR	Decachlorobiphen	13.30	12.72	3071510	3014070	15.125	14.253	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					75.63%	71.27%	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	7.27f	0.00	350735	0	0.482	N.D.	#
4)	T	Hexachlorobenzen	7.40	6.75f	262244	289628	0.438	0.866	#
5)	M	gamma-BHC (Linda	7.69	0.00	414677	0	0.621	N.D.	#
6)		beta-BHC	8.08	7.59	578327	187569	1.832	1.119	#
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	0.00	7.69f	0	1175871	N.D.	3.144	#
9)	M	Aldrin	0.00	7.96	0	272989	N.D.	0.716	#
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
14)		4,4'-DDE	10.26	0.00	420951	0	0.799	N.D.	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.	
17)		4,4'-DDD	10.93f	0.00	389303	0	1.046	N.D.	#
18)		Endosulfan II	10.93	10.35	389303	552078	N.D.	0.301	
19)	M	4,4'-DDT	11.24	10.58	578763	612313	2.151	4.013	#
20)		Endrin Aldehyde	11.05f	10.64	1994358	1704991	5.424	6.349	
21)		Endosulfan Sulfa	11.37f	0.00	569477	0	2.025	N.D.	#
22)		Methoxychlor	11.81f	0.00	990957	0	9.285	N.D.	#
23)		Endrin Ketone	11.85	0.00	245812	0	0.831	N.D.	#

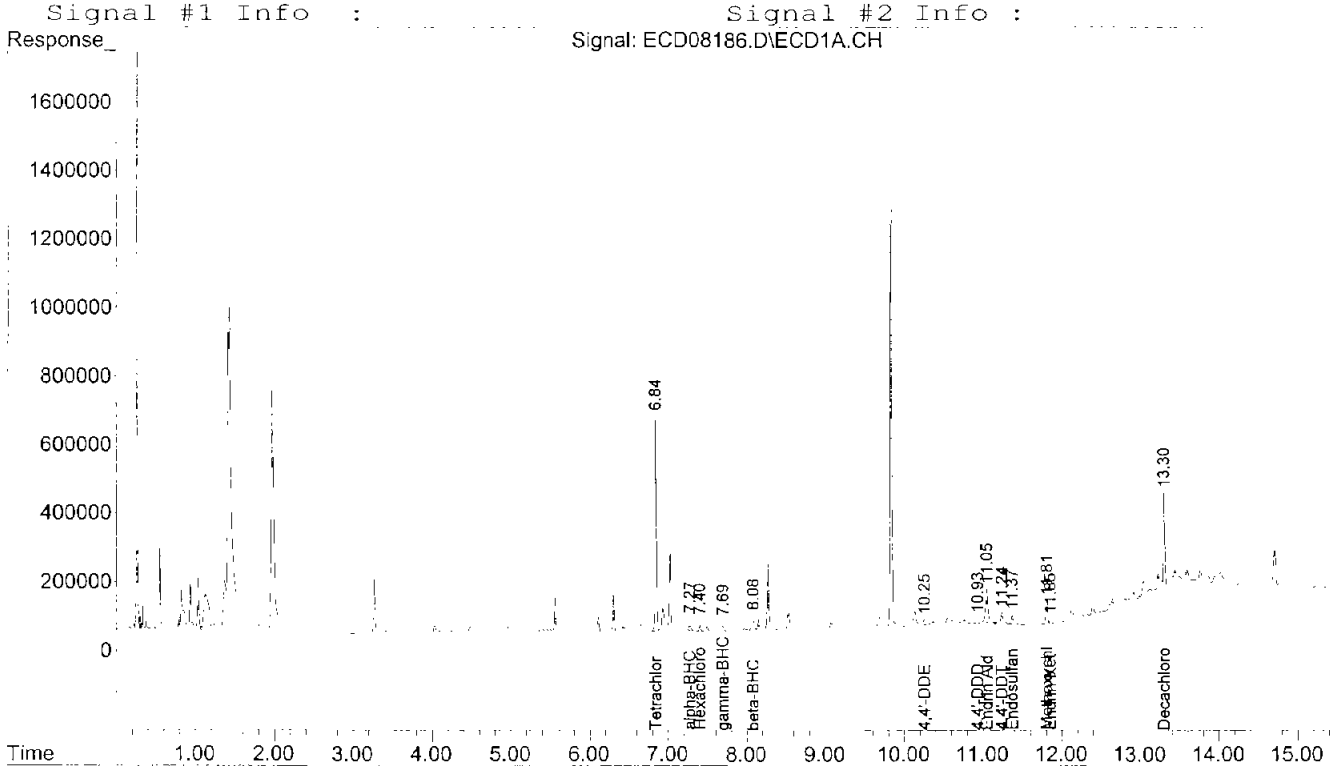
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

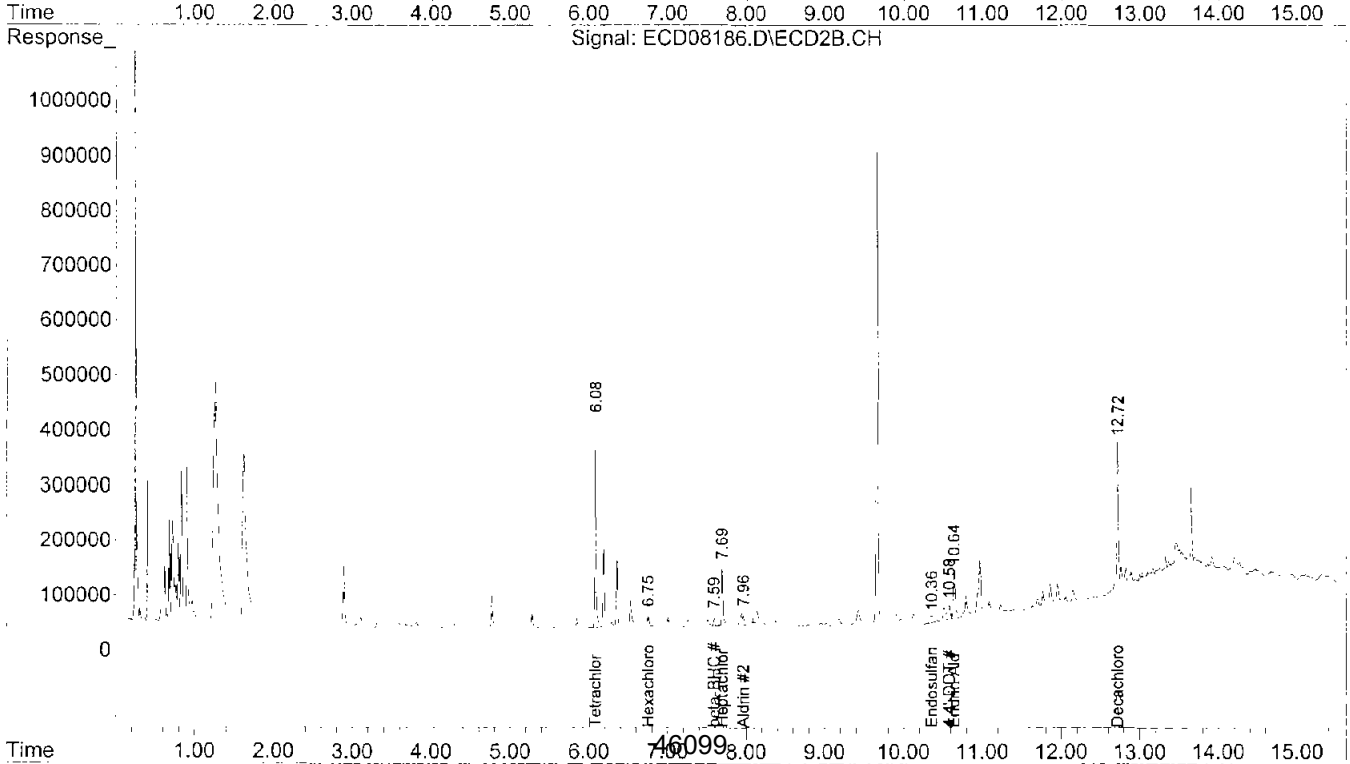
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08186.D\ECD1A.CH Vial: 37
Signal #2 : H:\DATA\120204\ECD08186.D\ECD2B.CH
Acq On : 02 Dec 2004 10:44 pm Operator: SJL/CRF
Sample : 125060-03 PE1800 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:29 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





010029

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08187.D\ECD1A.CH Vial: 38
Signal #2 : H:\DATA\120204\ECD08187.D\ECD2B.CH
Acq On : 02 Dec 2004 11:05 pm Operator: SJL/CRF
Sample : 125060-04 PE1800 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:29:58 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

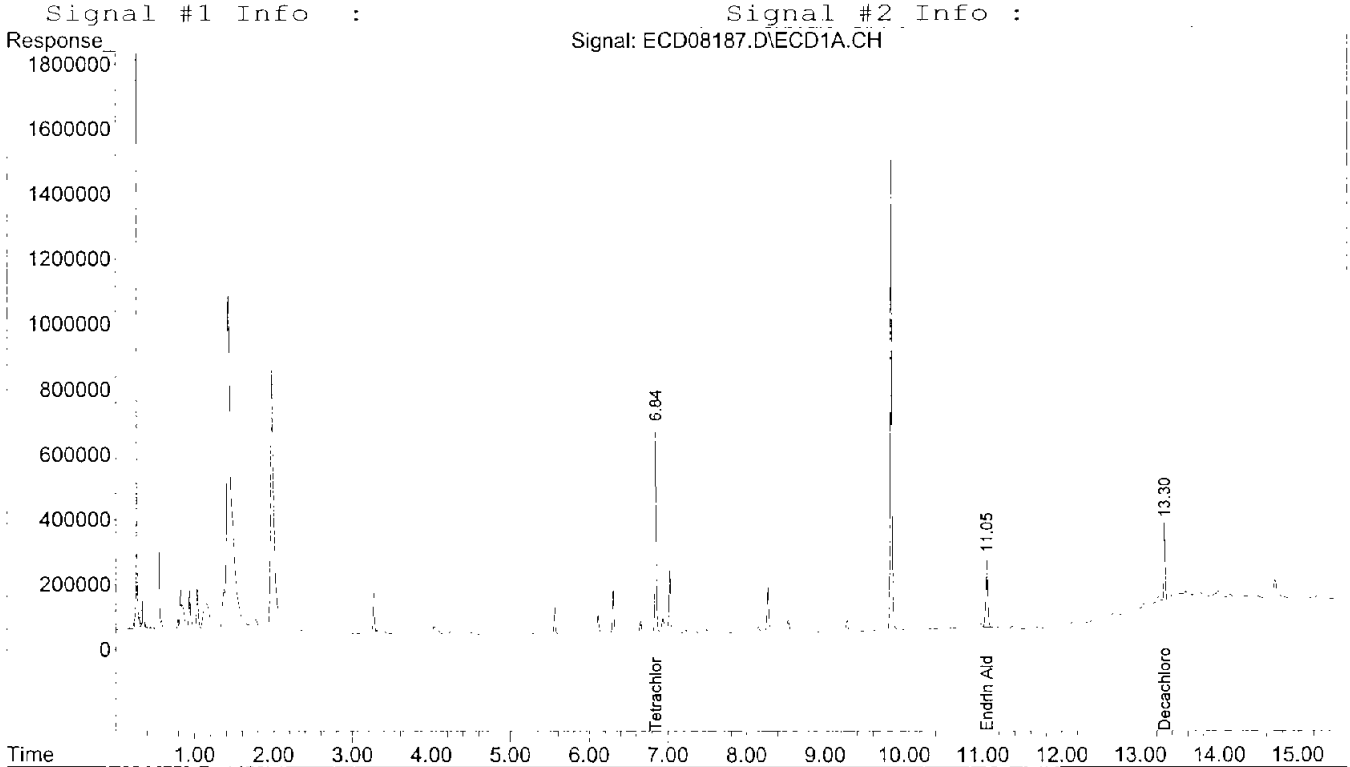
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	7416434	4430384	13.885	14.129
		Spiked Amount 20.000 Range 60 - 150 Recovery =					69.42%	70.64%
24)	SR	Decachlorobiphen	13.30	12.72	2843274	2357600	14.001	11.148
		Spiked Amount 20.000 Range 60 - 150 Recovery =					70.00%	55.74%#
		Target Compounds						
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	7.59	0	180739	N.D.	1.079 #
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)	M	Heptachlor	0.00	7.69f	0	1037925	N.D.	2.775 #
9)	M	Aldrin	0.00	7.96	0	277885	N.D.	0.729 #
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
14)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
18)		Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
19)	M	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
20)		Endrin Aldehyde	11.05f	10.64	3887434	2372192	12.097	8.834 #
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
22)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
23)		Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

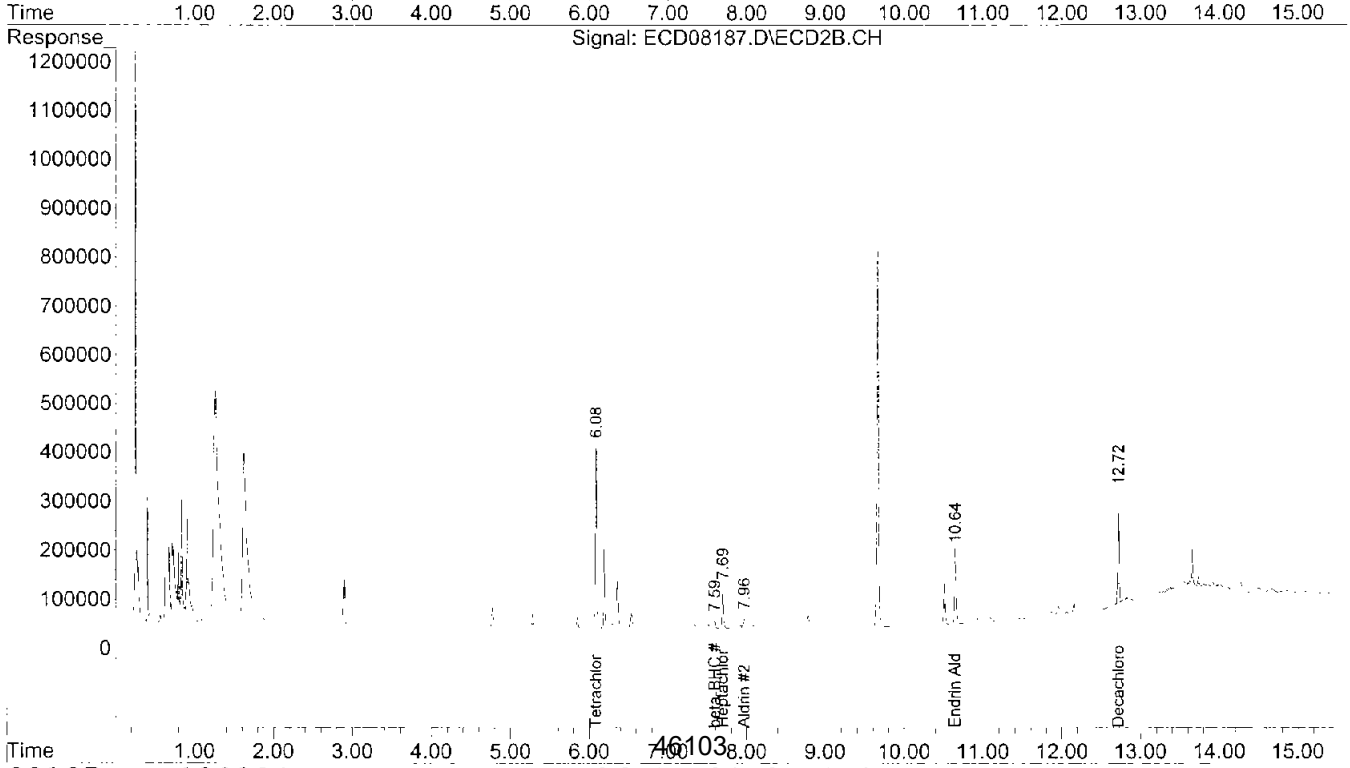
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : H:\DATA\120204\ECD08187.D\ECD1A.CH Vial: 38
Signal #2 : H:\DATA\120204\ECD08187.D\ECD2B.CH
Acq On : 02 Dec 2004 11:05 pm Operator: SJL/CRF
Sample : 125060-04 PE1800 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:30 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08188.D\ECD1A.CH Vial: 39
Signal #2 : H:\DATA\120204\ECD08188.D\ECD2B.CH
Acq On : 02 Dec 2004 11:26 pm Operator: SJL/CRF
Sample : 125060-05 PE1800 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:30:05 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.84	6.08	7436643	4403975	13.923	14.045	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					69.62%	70.23%	
24)	SR	Decachlorobiphen	13.30	12.71	3014286	3234347	14.843	15.294	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					74.22%	76.47%	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	7.27f	0.00	355963	0	0.489	N.D.	#
4)	T	Hexachlorobenzen	0.00	6.76f	0	303184	N.D.	0.907	#
5)	M	gamma-BHC (Linda	7.69	0.00	421684	0	0.632	N.D.	#
6)		beta-BHC	8.04	7.59	382674	312058	1.212	1.862	#
7)		delta-BHC	0.00	7.92f	0	333688	N.D.	0.922	#
8)	M	Heptachlor	0.00	7.69f	0	1198302	N.D.	3.204	#
9)	M	Aldrin	0.00	7.96	0	411804	N.D.	1.080	#
10)		Heptachlor Epoxi	0.00	8.63	0	479236	N.D.	1.314	#
11)		gamma-Chlordane	9.90	0.00	581954	0	0.953	N.D.	#
12)		alpha-Chlordane	0.00	9.10	0	196672	N.D.	0.507	#
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
14)		4,4'-DDE	10.25	0.00	318384	0	0.604	N.D.	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.	
17)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
18)		Endosulfan II	10.97	10.36	645260	513723	N.D.	0.180	
19)	M	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.	
20)		Endrin Aldehyde	11.05f	10.64	4185786	3206872	13.149	11.942	
21)		Endosulfan Sulfa	11.37f	10.94f	825030	641833	2.933	1.960	#
22)		Methoxychlor	11.81f	0.00	403843	0	3.784	N.D.	#
23)		Endrin Ketone	11.85	0.00	238318	0	0.806	N.D.	#

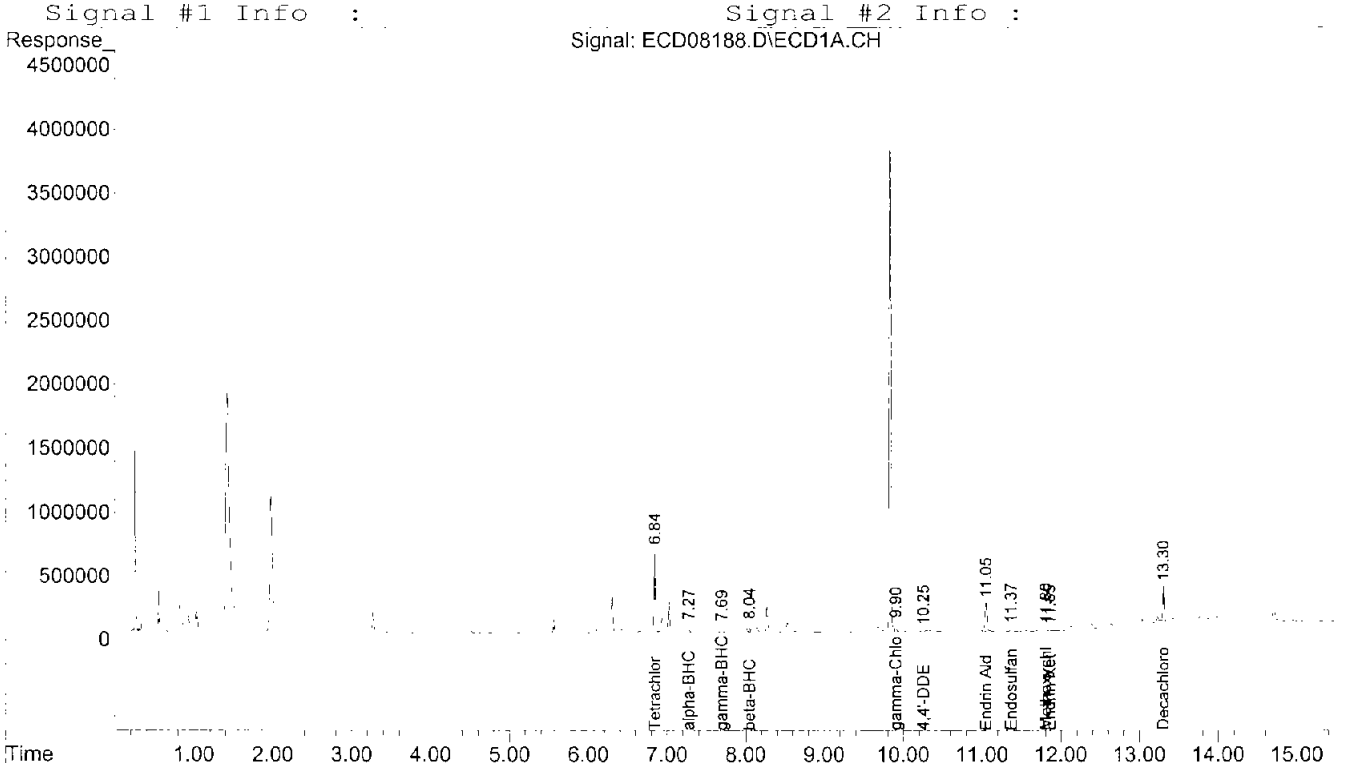
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

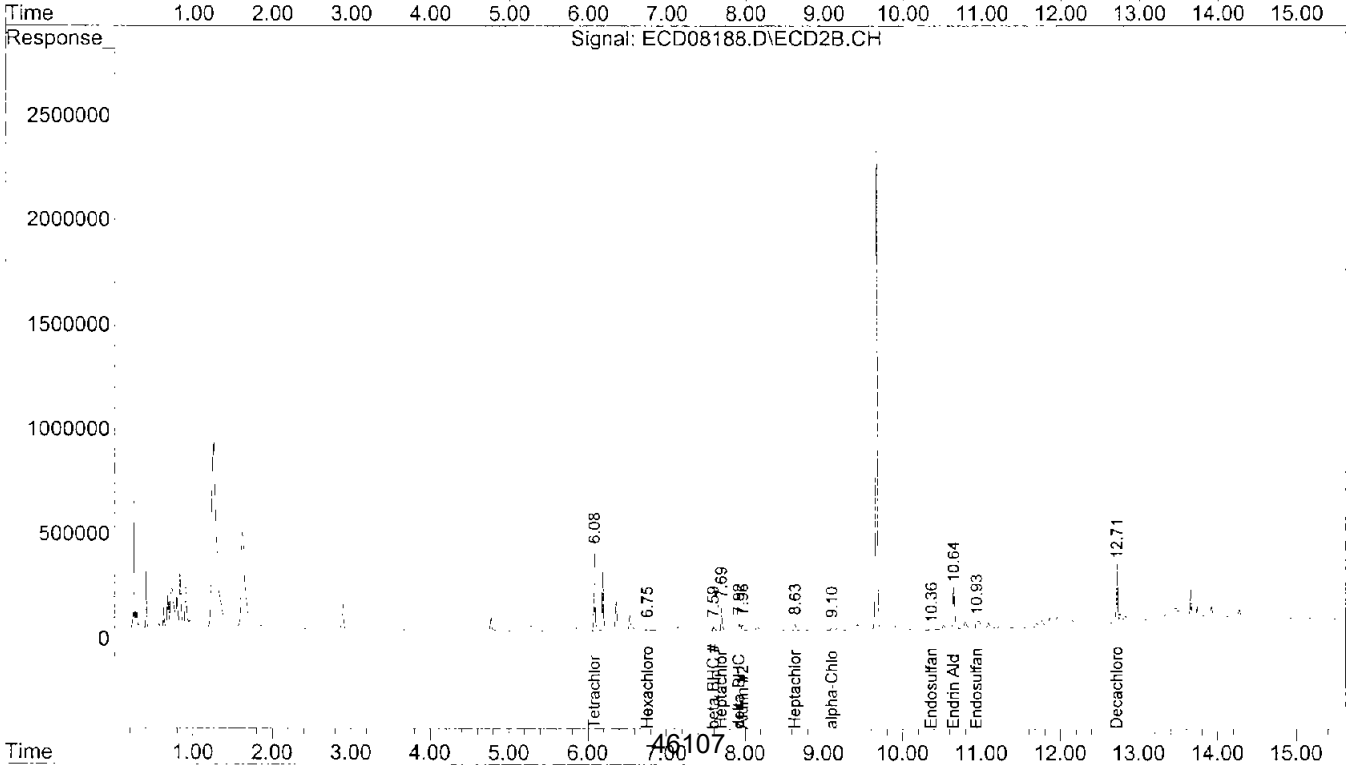
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08188.D\ECD1A.CH Vial: 39
Signal #2 : H:\DATA\120204\ECD08188.D\ECD2B.CH
Acq On : 02 Dec 2004 11:26 pm Operator: SJL/CRF
Sample : 125060-05 PE1800 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:30 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08189.D\ECD1A.CH Vial: 40
Signal #2 : H:\DATA\120204\ECD08189.D\ECD2B.CH
Acq On : 02 Dec 2004 11:47 pm Operator: SJL/CRF
Sample : 125060-06 PE1800 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:30:12 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.84	6.08	7213134	4342770	13.505	13.849	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					67.53%	69.25%	
24)	SR	Decachlorobiphen	13.30	12.71	3025784	3137689	14.900	14.837	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					74.50%	74.19%	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	7.27f	0.00	319000	0	0.438	N.D.	#
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	7.69	0.00	371362	0	0.556	N.D.	#
6)		beta-BHC	8.08	7.59	485000	313171	1.536	1.869	
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	0.00	7.69f	0	1320761	N.D.	3.531	#
9)	M	Aldrin	0.00	7.96	0	576110	N.D.	1.511	#
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
14)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.	
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.	
17)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
18)		Endosulfan II	10.97	10.36	445340	348471	N.D.	N.D.	
19)	M	4,4'-DDT	0.00	10.64f	0	2955736	N.D.	12.336	#
20)		Endrin Aldehyde	11.05f	10.64	3440344	2955736	10.521	11.007	
21)		Endosulfan Sulfa	11.37f	0.00	612293	0	2.177	N.D.	#
22)		Methoxychlor	11.81f	0.00	155863	0	1.460	N.D.	#
23)		Endrin Ketone	11.81f	0.00	155863	0	0.527	N.D.	#

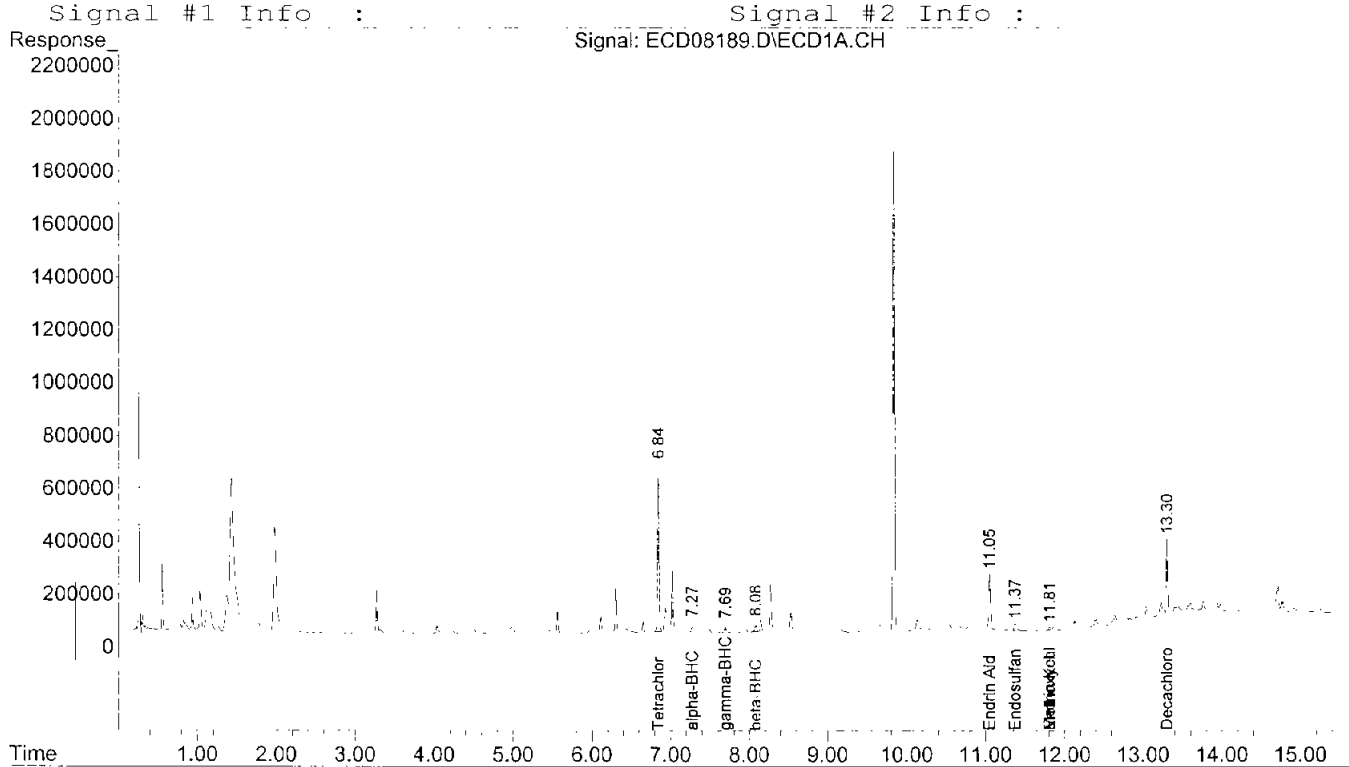
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

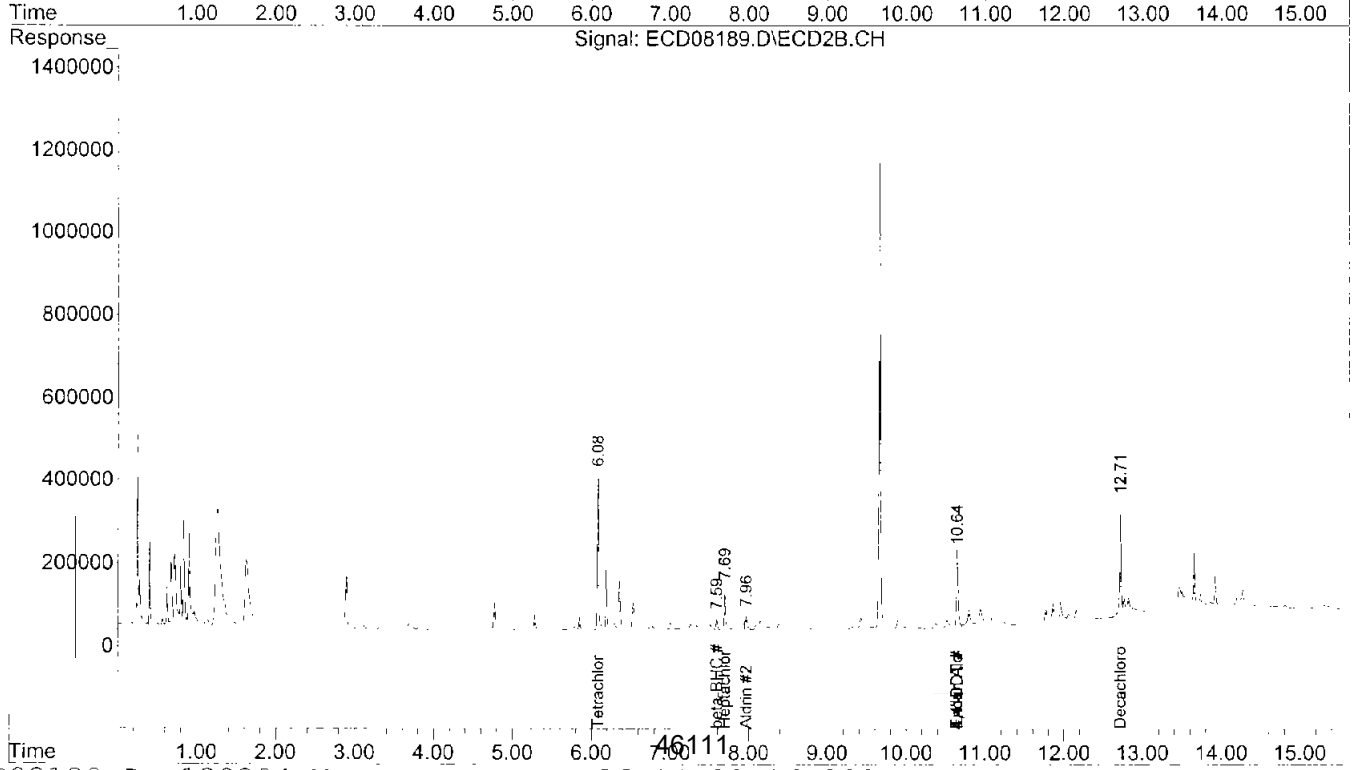
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08189.D\ECD1A.CH Vial: 40
Signal #2 : H:\DATA\120204\ECD08189.D\ECD2B.CH
Acq On : 02 Dec 2004 11:47 pm Operator: SJL/CRF
Sample : 125060-06 PE1800 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:30 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Sequence Log

Directory : k:\DATA\120204

#	Filename	Sample Name	Date/Time
1	ecd08171.d	DDT/ENDRIN BREAKDOWN	12/02/04 17:30
2	ecd08172.d	20UG/L 8081 CCV 1174-25-06	12/02/04 17:51
3	ecd08173.d	MB PE1800	12/02/04 18:12
4	ecd08174.d	BS PE1800	12/02/04 18:33
5	ecd08175.d	BSD PE1800	12/02/04 18:54
6	ecd08176.d	125059-12 PE1800	12/02/04 19:14
7	ecd08177.d	125059-13 PE1800	12/02/04 19:35
8	ecd08178.d	125059-14 PE1800	12/02/04 19:56
9	ecd08179.d	125059-15 PE1800	12/02/04 20:17
10	ecd08180.d	125059-15 MS PE1800	12/02/04 20:38
11	ecd08181.d	125059-15 MSD PE1800	12/02/04 20:59
12	ecd08182.d	RINSE	12/02/04 21:20
13	ecd08183.d	10UG/L 8081 CCV 1174-25-05	12/02/04 21:41
14	ecd08184.d	125059-16 PE1800	12/02/04 22:02
15	ecd08185.d	125059-17 PE1800	12/02/04 22:23
16	ecd08186.d	125060-03 PE1800	12/02/04 22:44
17	ecd08187.d	125060-04 PE1800	12/02/04 23:05
18	ecd08188.d	125060-05 PE1800	12/02/04 23:26
19	ecd08189.d	125060-06 PE1800	12/02/04 23:47
20	ecd08190.d	RINSE	12/03/04 00:08
21	ecd08191.d	20UG/L 8081 CCV 1174-25-06	12/03/04 00:29

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08171.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\120204\ECD08171.D\ECD2B.CH
Acq On : 12-2-2004 05:30:38 PM Operator: SJL/CRF
Sample : DDT/ENDRIN BREAKDOWN Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:23:21 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150			Recovery	=	0.00%#	0.00%#	
24)	SR	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150			Recovery	=	0.00%#	0.00%#	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.	
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	0.00	7.69f	0	420400	N.D.	1.124	#
9)	M	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
14)		4,4'-DDE	10.26	0.00	405128	0	0.769	N.D.	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	10.61	9.99	42654711	32581945	98.490	109.219	
17)		4,4'-DDD	10.90	10.26	803349	232656	2.158	0.844	#
18)		Endosulfan II	10.98	10.31f	244064	351450	N.D.	N.D.	
19)	M	4,4'-DDT	11.23	10.58	27937565	28537493	103.848	103.191	
20)		Endrin Aldehyde	0.00	10.63	0	478466	N.D.	1.782	#
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.78	11.37f	170864	298764	1.601	2.350	#
23)		Endrin Ketone	11.83	11.51	454790	619365	1.538	1.713	

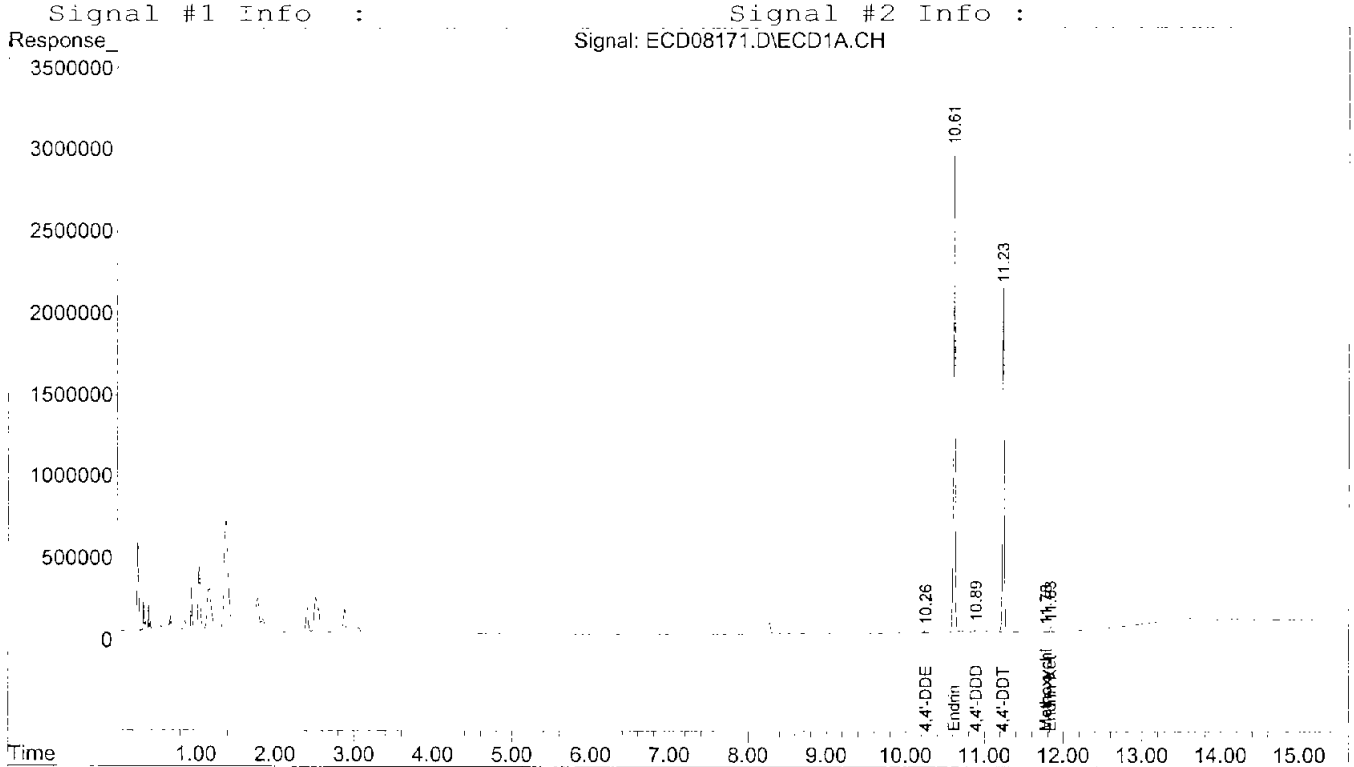
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

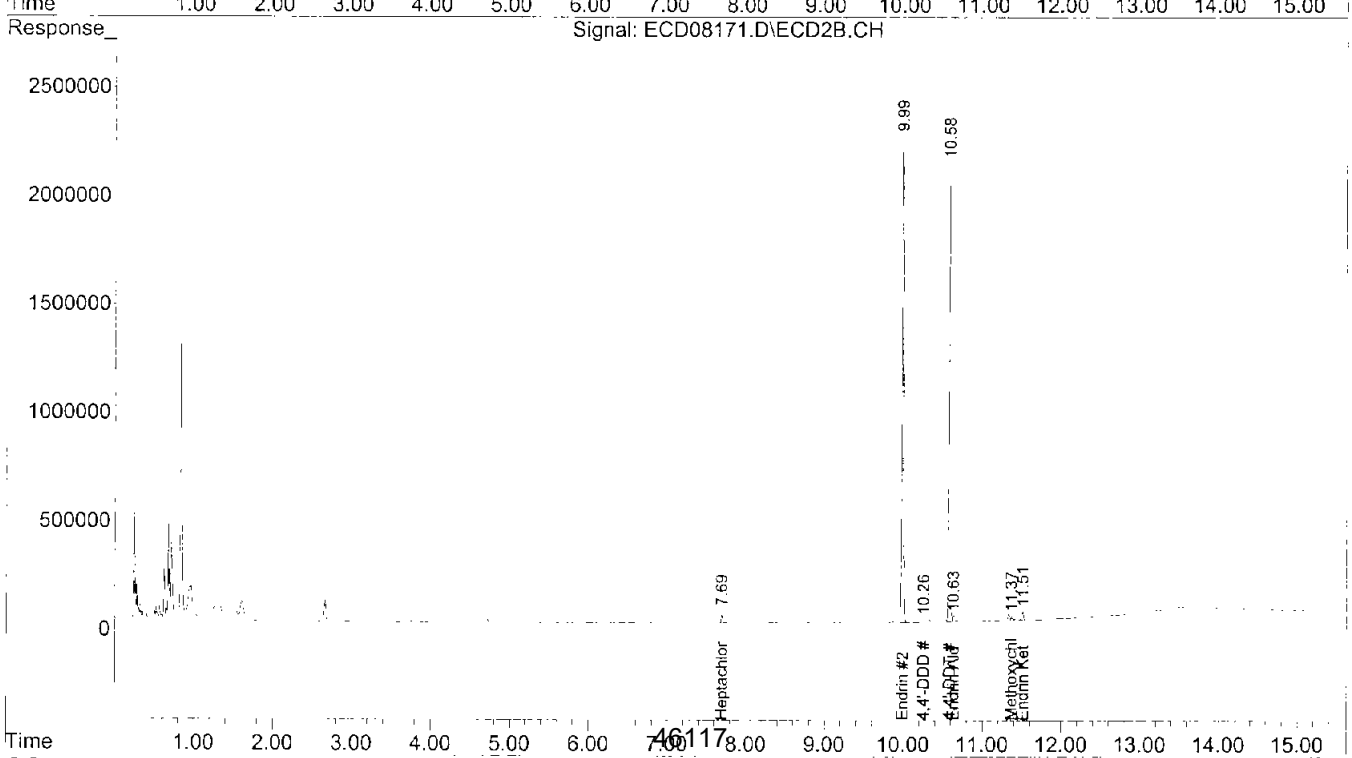
01037

Signal #1 : H:\DATA\120204\ECD08171.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\120204\ECD08171.D\ECD2B.CH
Acq On : 12-2-2004 05:30:38 PM Operator: SJL/CRF
Sample : DDT/ENDRIN BREAKDOWN Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:23 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01038

Custom Report - DDT/Endrin Breakdown Evaluation

Sample Name DDT/ENDRIN BREAKDOWN

Data File Name H:\DATA\120204\ECD08171.D
Date Acquired 12-2-2004 05:30:38 PM

Compound Name	RT #1	RT #2	Resp. #1	Resp. #2	Amt. #1	Amt. #2	% Breakdown Column #1	% Breakdown Column #2
Endrin	10.61	9.99	42654711	32581945	98.49	109.22	**1.05%**	**3.26%**
Endrin Aldehyde	0.00	10.63	0	478466	0.00	1.78		
Endrin Ketone	11.83	11.51	454790	619365	1.54	1.71		
4,4'-DDT	11.23	10.58	27937565	28537493	103.85	103.19	**4.15%**	**0.81%**
4,4'-DDE	10.26	0.00	405128	0	0.77	0.00		
4,4'-DDD	10.90	10.26	803349	232656	2.16	0.84		

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08172.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120204\ECD08172.D\ECD2B.CH
Acq On : 12-2-2004 05:51:38 PM Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:18:55 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	21701466	13328241	40.630	42.505
		Spiked Amount 20.000 Range 60 - 150 Recovery =					203.15%#	212.53%#
24)	SR	Decachlorobiphen	13.30	12.71	13765489	13570923	67.787	64.173
		Spiked Amount 20.000 Range 60 - 150 Recovery =					338.94%#	320.87%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	22346983	13867987	20.369	19.990
3)		alpha-BHC	7.33	6.85	15816912	9775746	21.737	22.147
4)	T	Hexachlorobenzen	7.41	6.71	11393811	6737851	19.021	20.155
5)	M	gamma-BHC (Linda	7.70	7.28	14112093	8701713	21.147	21.749
6)		beta-BHC	8.05	7.58	5956502	3361007	18.869	20.059
7)		delta-BHC	8.34	7.86	12770431	7541683	21.472	20.847
8)	M	Heptachlor	8.37	7.65	14895750	8374715	21.029	22.391
9)	M	Aldrin	8.79	7.96	12893028	7930722	19.819	20.799
10)		Heptachlor Epoxi	9.47	8.62	11953096	7429044	18.935	20.364
11)		gamma-Chlordane	9.92	8.96	11810862	7895604	19.350	20.699
12)		alpha-Chlordane	9.98	9.11	12032105	7821182	19.414	20.154
13)		Endosulfan I	10.01	9.16	10226442	6700013	18.921	19.313
14)		4,4'-DDE	10.26	9.49	20613952	15109796	39.111	42.627
15)	M	Dieldrin	10.34	9.58	19776379	14755145	39.007	41.667
16)	M	Endrin	10.61	9.99	17348787	13151746	40.059	44.086
17)		4,4'-DDD	10.89	10.25	13719207	11374886	36.861	41.266
18)		Endosulfan II	10.95	10.34	14515100	12611034	37.762	38.426
19)	M	4,4'-DDT	11.23	10.58	10600622	10396420	39.404	38.762
20)		Endrin Aldehyde	11.08	10.63	10910642	9373148	36.856	34.904
21)		Endosulfan Sulfa	11.41	10.88	9803292	12437399	34.854	37.979
22)		Methoxychlor	11.76	11.40	20618391	25536255	193.198	200.839
23)		Endrin Ketone	11.84	11.51	10457697	13310269	35.369	36.805

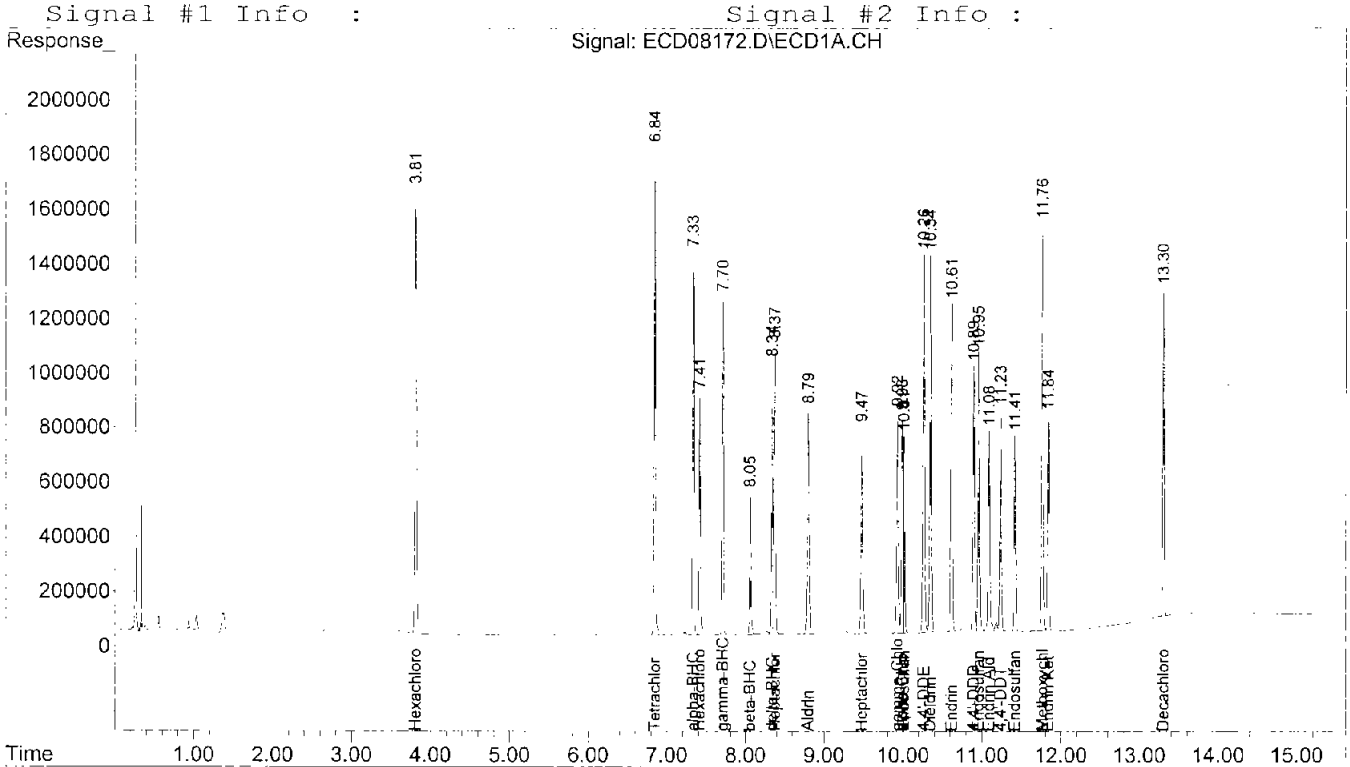
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

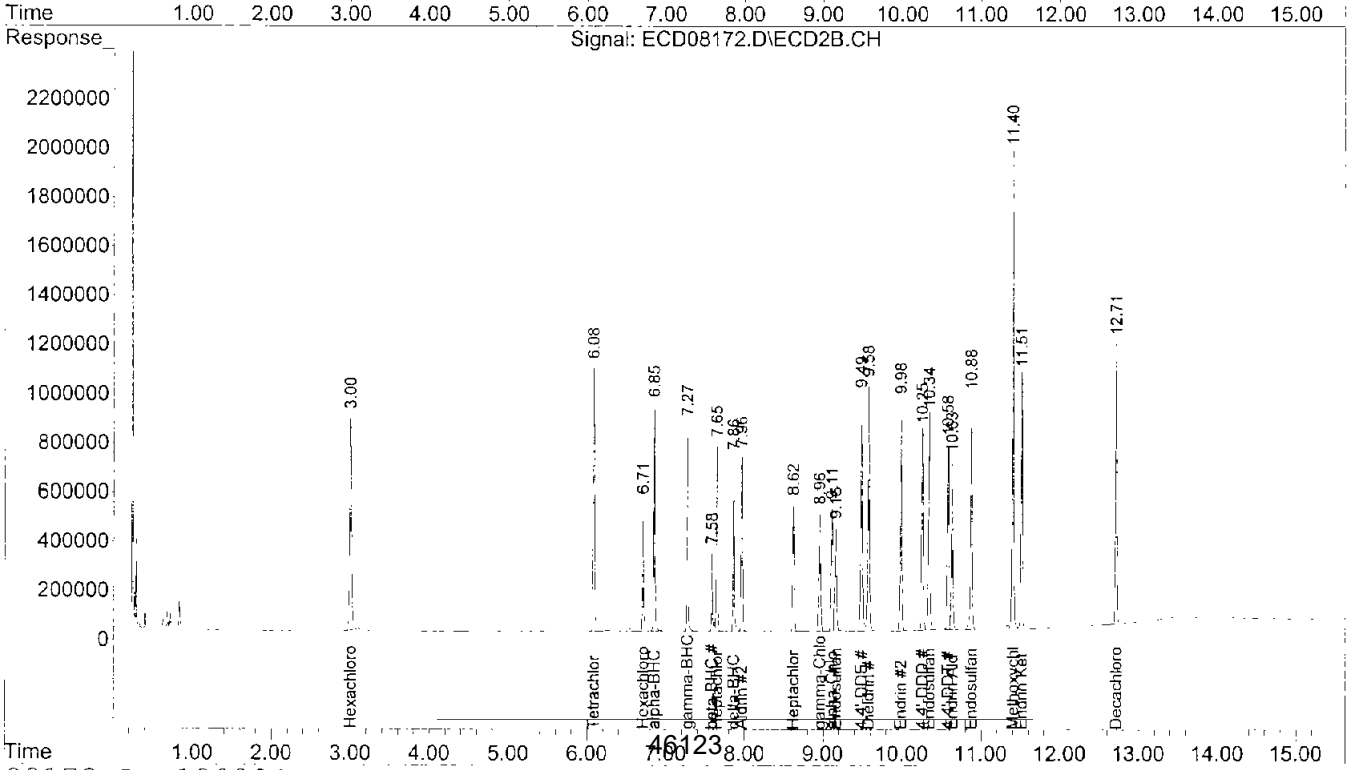
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08172.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120204\ECD08172.D\ECD2B.CH
Acq On : 12-2-2004 05:51:38 PM Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:18 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\120204\ECD08172.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120204\ECD08172.D\ECD2B.CH
Acq On : 12-2-2004 05:51:38 PM Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	20.000	20.369	-1.8	101	0.00
2	SR	Tetrachloro-m-xylene (S)	40.000	40.630	-1.6	101	0.00
3		alpha-BHC	20.000	21.737	-8.7	101	0.00
4	T	Hexachlorobenzene	20.000	19.021	4.9	100	0.00
5	M	gamma-BHC (Lindane)	20.000	21.147	-5.7	101	0.00
6		beta-BHC	20.000	18.869	5.7	99	0.00
7		delta-BHC	20.000	21.472	-7.4	100	0.00
8	M	Heptachlor	20.000	21.029	-5.1	100	0.00
9	M	Aldrin	20.000	19.819	0.9	98	0.00
10		Heptachlor Epoxide	20.000	18.935	5.3	98	0.00
11		gamma-Chlordane	20.000	19.350	3.2	98	0.00
12		alpha-Chlordane	20.000	19.414	2.9	99	0.00
13		Endosulfan I	20.000	18.921	5.4	95	0.00
14		4,4'-DDE	40.000	39.111	2.2	98	0.00
15	M	Dieldrin	40.000	39.007	2.5	97	0.00
16	M	Endrin	40.000	40.059	-0.1	100	0.00
17		4,4'-DDD	40.000	36.861	7.8	96	0.00
18		Endosulfan II	40.000	37.762	5.6	93	0.00
19	M	4,4'-DDT	40.000	39.404	1.5	99	0.00
20		Endrin Aldehyde	40.000	36.856	7.9	92	0.00
21		Endosulfan Sulfate	40.000	34.854	12.9	97	0.00
22		Methoxychlor	200.000	193.198	3.4	97	0.00
23		Endrin Ketone	40.000	35.369	11.6	91	0.00
24	SR	Decachlorobiphenyl (S)	80.000	67.787	15.3#	87	0.00

Signal #2

1	T	Hexachlorobutadiene	20.000	19.990	0.1	101	0.00
2	SR	Tetrachloro-m-xylene (S)	40.000	42.505	-6.3	101	0.00
3		alpha-BHC	20.000	22.147	-10.7	101	0.00
4	T	Hexachlorobenzene	20.000	20.155	-0.8	101	0.00
5	M	gamma-BHC (Lindane)	20.000	21.749	-8.7	102	0.00
6		beta-BHC	20.000	20.059	-0.3	100	0.00
7		delta-BHC	20.000	20.847	-4.2	100	0.00
8	M	Heptachlor	20.000	22.391	-12.0	103	0.00
9	M	Aldrin	20.000	20.799	-4.0	100	0.00
10		Heptachlor Epoxide	20.000	20.364	-1.8	101	0.00
11		gamma-Chlordane	20.000	20.699	-3.5	101	0.00
12		alpha-Chlordane	20.000	20.154	-0.8	100	0.00
13		Endosulfan I	20.000	19.313	3.4	99	0.00
14		4,4'-DDE	40.000	42.627	-6.6	101	0.00
15	M	Dieldrin	40.000	41.667	-4.2	100	0.00
16	M	Endrin	40.000	44.086	-10.2	105	0.00
17		4,4'-DDD	40.000	41.266	-3.2	97	0.00
18		Endosulfan II	40.000	38.426	3.9	93	0.00
19	M	4,4'-DDT	40.000	38.762	3.1	98	0.00
20		Endrin Aldehyde	40.000	34.904	12.7	92	0.00
21		Endosulfan Sulfate	40.000	37.979	5.1	94	0.00
22		Methoxychlor	200.000	200.839	-0.4	98	0.00
23		Endrin Ketone	40.000	36.805	8.0	91	0.00
24	SR	Decachlorobiphenyl (S)	80.000	64.173	19.8#	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report - Not Found

Signal #1 : H:\DATA\120204\ECD08172.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120204\ECD08172.D\ECD2B.CH
Acq On : 12-2-2004 05:51:38 PM Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ECD08172.D 120204.M Mon Dec 06 14:25:16 2004 Page 2

01043

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08183.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120204\ECD08183.D\ECD2B.CH
Acq On : 12-2-2004 09:41:22 PM Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:19:16 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	11242312	6609073	21.048	21.077
		Spiked Amount 20.000 Range 60 - 150 Recovery =					105.24%	105.39%
24)	SR	Decachlorobiphen	13.30	12.72	7751537	7830328	38.172	37.027
		Spiked Amount 20.000 Range 60 - 150 Recovery =					190.86%#	185.13%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	11656981	7393226	10.625	10.657
3)		alpha-BHC	7.33	6.85	7932742	4779870	10.902	10.829
4)	T	Hexachlorobenzen	7.41	6.71	6047154	3473306	10.095	10.390
5)	M	gamma-BHC (Linda	7.70	7.28	7154840	4290200	10.722	10.723
6)		beta-BHC	8.05	7.58	3130881	1745534	9.918	10.417
7)		delta-BHC	8.34	7.86	6385013	3762766	10.736	10.401
8)	M	Heptachlor	8.37	7.65	7700371	4193950	10.871	11.213
9)	M	Aldrin	8.79	7.96	6701845	3962445	10.302	10.392
10)		Heptachlor Epoxi	9.47	8.62	6440599	3764396	10.203	10.319
11)		gamma-Chlordane	9.92	8.96	6281790	3885807	10.292	10.187
12)		alpha-Chlordane	9.98	9.11	6344731	3947793	10.237	10.173
13)		Endosulfan I	10.01	9.16	5560590	3547762	10.288	10.226
14)		4,4'-DDE	10.26	9.49	11085046	7593578	21.032	21.423
15)	M	Dieldrin	10.34	9.58	10644290	7502539	20.995	21.186
16)	M	Endrin	10.61	9.98	9380548	6729033	21.660	22.557
17)		4,4'-DDD	10.89	10.26	7578946	5912814	20.363	21.451
18)		Endosulfan II	10.95	10.34	8191147	6857339	20.383	20.236
19)	M	4,4'-DDT	11.23	10.58	5715050	5243232	21.244	20.460
20)		Endrin Aldehyde	11.08	10.64	6301823	5042873	20.609	18.779
21)		Endosulfan Sulfa	11.41	10.88	5529760	6659005	19.660	20.334
22)		Methoxychlor	11.76	11.40	11042636	13658730	103.472	107.424
23)		Endrin Ketone	11.84	11.51	5711264	7396911	19.316	20.454

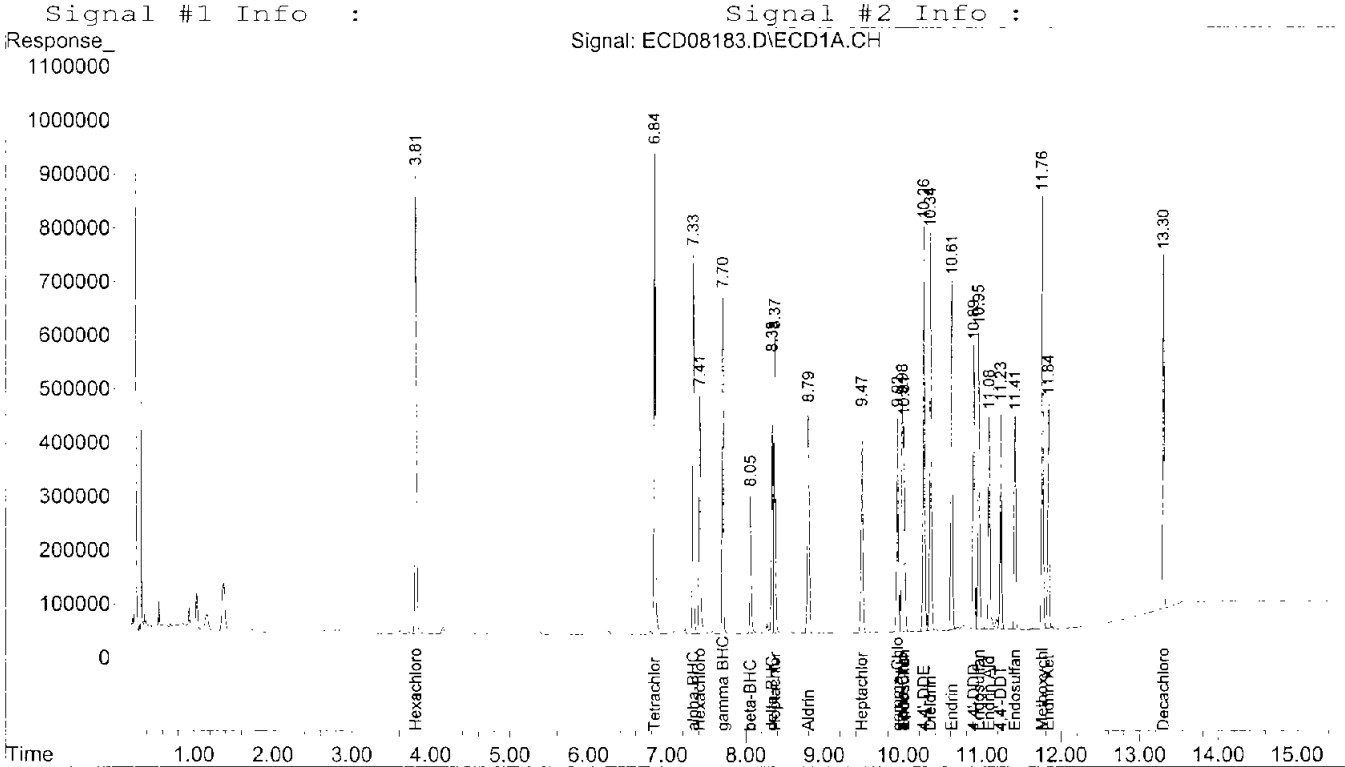
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

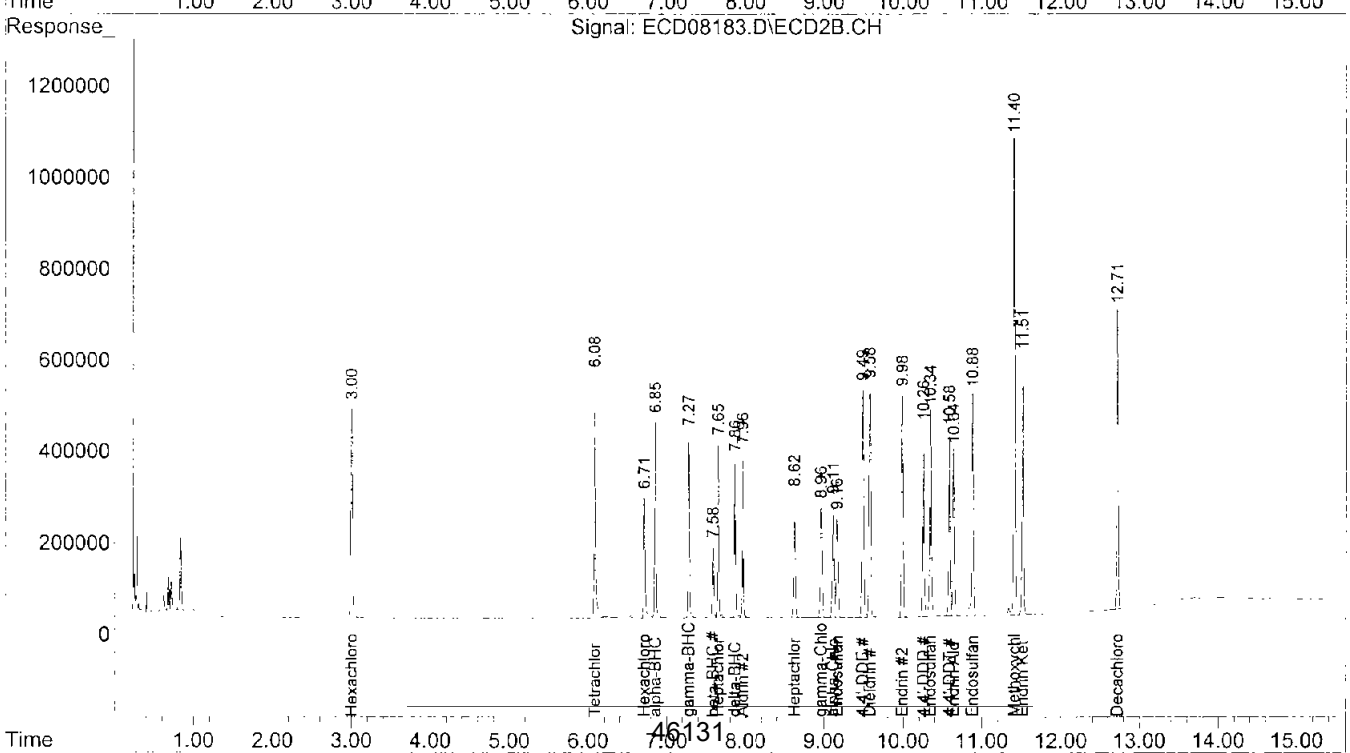
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08183.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120204\ECD08183.D\ECD2B.CH
Acq On : 12-2-2004 09:41:22 PM Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:19 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\120204\ECD08183.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120204\ECD08183.D\ECD2B.CH
Acq On : 12-2-2004 09:41:22 PM Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	10.000	10.625	-6.3	115	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	21.048	-5.2	114	0.00
3		alpha-BHC	10.000	10.902	-9.0	115	0.00
4	T	Hexachlorobenzene	10.000	10.095	-1.0	112	0.00
5	M	gamma-BHC (Lindane)	10.000	10.722	-7.2	115	0.00
6		beta-BHC	10.000	9.918	0.8	112	0.00
7		delta-BHC	10.000	10.736	-7.4	114	0.00
8	M	Heptachlor	10.000	10.871	-8.7	118	0.00
9	M	Aldrin	10.000	10.302	-3.0	114	0.00
10		Heptachlor Epoxide	10.000	10.203	-2.0	114	0.00
11		gamma-Chlordane	10.000	10.292	-2.9	114	0.00
12		alpha-Chlordane	10.000	10.237	-2.4	112	0.00
13		Endosulfan I	10.000	10.288	-2.9	116	0.00
14		4,4'-DDE	20.000	21.032	-5.2	116	0.00
15	M	Dieldrin	20.000	20.995	-5.0	114	0.00
16	M	Endrin	20.000	21.660	-8.3	120	0.00
17		4,4'-DDD	20.000	20.363	-1.8	114	0.00
18		Endosulfan II	20.000	20.383	-1.9	107	0.00
19	M	4,4'-DDT	20.000	21.244	-6.2	122	0.00
20		Endrin Aldehyde	20.000	20.609	-3.0	106	0.00
21		Endosulfan Sulfate	20.000	19.660	1.7	114	0.00
22		Methoxychlor	100.000	103.472	-3.5	114	0.00
23		Endrin Ketone	20.000	19.316	3.4	107	0.00
24	SR	Decachlorobiphenyl (S)	40.000	38.172	4.6	106	0.00

Signal #2

1	T	Hexachlorobutadiene	10.000	10.657	-6.6	117	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	21.077	-5.4	111	0.00
3		alpha-BHC	10.000	10.829	-8.3	114	0.00
4	T	Hexachlorobenzene	10.000	10.390	-3.9	112	0.00
5	M	gamma-BHC (Lindane)	10.000	10.723	-7.2	113	0.00
6		beta-BHC	10.000	10.417	-4.2	111	0.00
7		delta-BHC	10.000	10.401	-4.0	112	0.00
8	M	Heptachlor	10.000	11.213	-12.1	119	0.00
9	M	Aldrin	10.000	10.392	-3.9	112	0.00
10		Heptachlor Epoxide	10.000	10.319	-3.2	112	0.00
11		gamma-Chlordane	10.000	10.187	-1.9	111	0.00
12		alpha-Chlordane	10.000	10.173	-1.7	112	0.00
13		Endosulfan I	10.000	10.226	-2.3	114	0.00
14		4,4'-DDE	20.000	21.423	-7.1	115	0.00
15	M	Dieldrin	20.000	21.186	-5.9	113	0.00
16	M	Endrin	20.000	22.557	-12.8	123	0.00
17		4,4'-DDD	20.000	21.451	-7.3	113	0.00
18		Endosulfan II	20.000	20.236	-1.2	105	0.00
19	M	4,4'-DDT	20.000	20.460	-2.3	118	0.00
20		Endrin Aldehyde	20.000	18.779	6.1	104	0.00
21		Endosulfan Sulfate	20.000	20.334	-1.7	110	0.00
22		Methoxychlor	100.000	107.424	-7.4	115	0.00
23		Endrin Ketone	20.000	20.454	-2.3	107	0.00
24	SR	Decachlorobiphenyl (S)	40.000	37.027	7.4	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

46133
01046

Evaluate Continuing Calibration Report - Not Found

Signal #1 : H:\DATA\120204\ECD08183.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120204\ECD08183.D\ECD2B.CH
Acq On : 12-2-2004 09:41:22 PM Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

(#) = Out of Range SPCC's = 0 CCC's out = 0
ECD08183.D 120204.M Mon Dec 06 14:25:39 2004 Page 2

01047

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08191.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120204\ECD08191.D\ECD2B.CH
Acq On : 03 Dec 2004 12:29 am Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:19:31 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	22230863	13161418	41.622	41.973
		Spiked Amount 20.000 Range 60 - 150 Recovery =					208.11%#	209.87%#
24)	SR	Decachlorobiphen	13.30	12.72	14816109	14518161	72.960	68.652
		Spiked Amount 20.000 Range 60 - 150 Recovery =					364.80%#	343.26%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	23014129	13915586	20.977	20.058
3)		alpha-BHC	7.33	6.85	16380996	9841525	22.512	22.296
4)	T	Hexachlorobenzen	7.41	6.71	11768898	6793213	19.647	20.321
5)	M	gamma-BHC (Linda	7.70	7.28	14683685	8756493	22.004	21.886
6)		beta-BHC	8.05	7.58	6251316	3418472	19.803	20.402
7)		delta-BHC	8.34	7.86	13464887	7625594	22.640	21.079
8)	M	Heptachlor	8.37	7.65	15605374	8405448	22.031	22.473
9)	M	Aldrin	8.79	7.96	13666543	8003218	21.009	20.989
10)		Heptachlor Epoxi	9.47	8.62	12619718	7513873	19.991	20.597
11)		gamma-Chlordane	9.92	8.96	12616853	8027534	20.671	21.045
12)		alpha-Chlordane	9.98	9.11	12414505	7953475	20.031	20.495
13)		Endosulfan I	10.01	9.16	11300255	6755307	20.907	19.472
14)		4,4'-DDE	10.26	9.49	21964618	15504075	41.674	43.739
15)	M	Dieldrin	10.34	9.58	21161613	15066029	41.739	42.545
16)	M	Endrin	10.61	9.99	18552538	13617718	42.838	45.648
17)		4,4'-DDD	10.89	10.26	14777395	12091085	39.704	43.864
18)		Endosulfan II	10.95	10.34	15523323	13173961	40.532	40.206
19)	M	4,4'-DDT	11.23	10.58	11048962	10638434	41.071	39.621
20)		Endrin Aldehyde	11.09	10.64	11735859	9767138	39.765	36.371
21)		Endosulfan Sulfa	11.41	10.88	10591483	12978214	37.657	39.630
22)		Methoxychlor	11.76	11.41	21499567	25724302	201.455	202.318
23)		Endrin Ketone	11.84	11.51	11263827	13757831	38.095	38.042

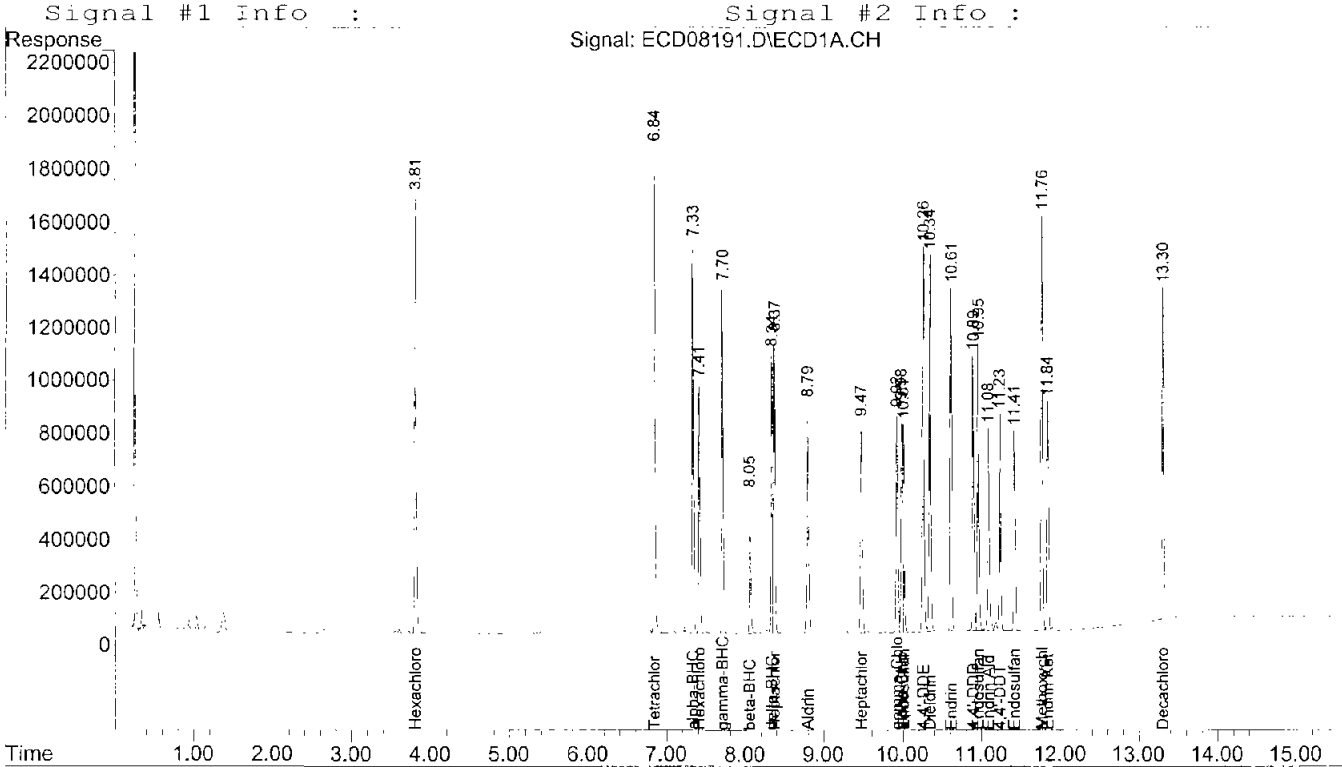
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

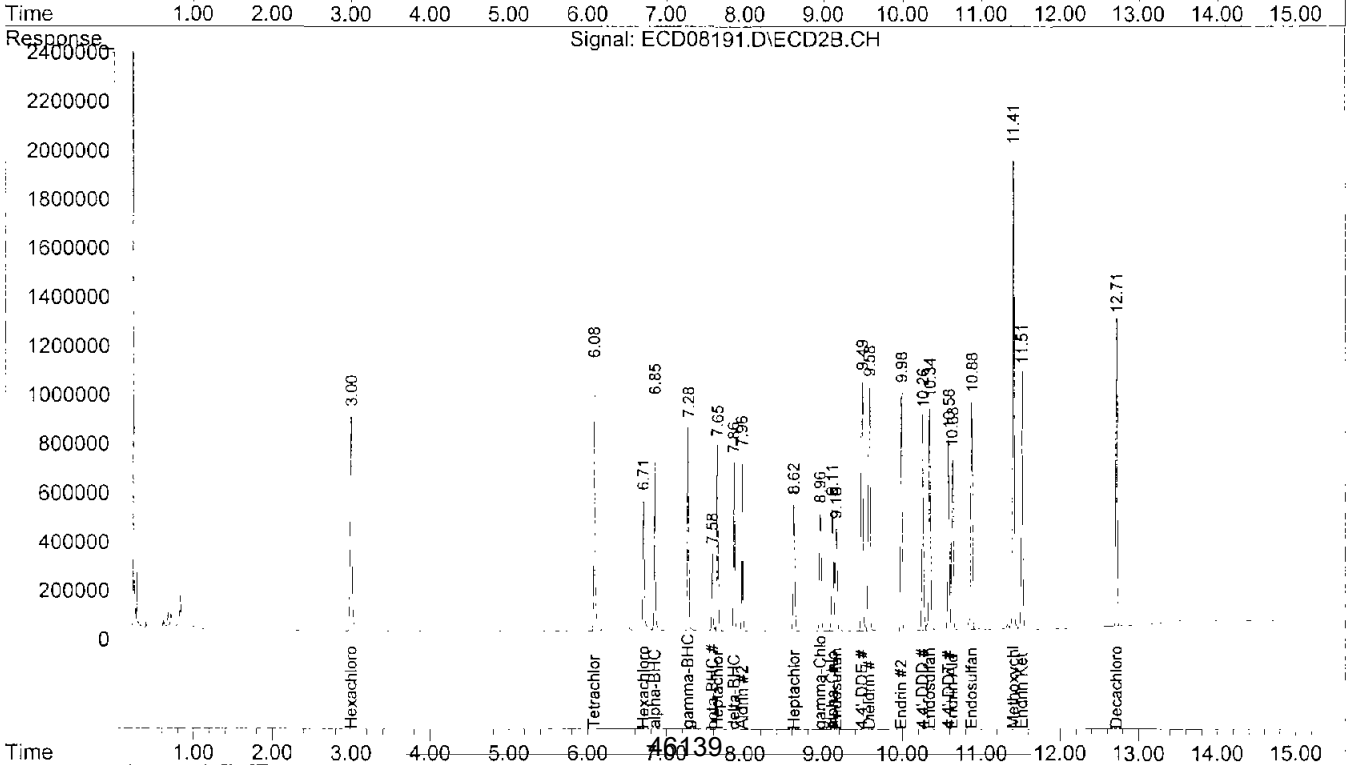
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08191.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120204\ECD08191.D\ECD2B.CH
Acq On : 03 Dec 2004 12:29 am Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:19 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\120204\ECD08191.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120204\ECD08191.D\ECD2B.CH
Acq On : 03 Dec 2004 12:29 am Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	20.000	20.977	-4.9	104	0.00
2	SR	Tetrachloro-m-xylene (S)	40.000	41.622	-4.1	103	0.00
3		alpha-BHC	20.000	22.512	-12.6	105	0.00
4	T	Hexachlorobenzene	20.000	19.647	1.8	103	0.00
5	M	gamma-BHC (Lindane)	20.000	22.004	-10.0	105	0.00
6		beta-BHC	20.000	19.803	1.0	104	0.00
7		delta-BHC	20.000	22.640	-13.2	105	0.00
8	M	Heptachlor	20.000	22.031	-10.2	105	0.00
9	M	Aldrin	20.000	21.009	-5.0	104	0.00
10		Heptachlor Epoxide	20.000	19.991	0.0	104	0.00
11		gamma-Chlordane	20.000	20.671	-3.4	104	0.00
12		alpha-Chlordane	20.000	20.031	-0.2	103	0.00
13		Endosulfan I	20.000	20.907	-4.5	105	0.00
14		4,4'-DDE	40.000	41.674	-4.2	104	0.00
15	M	Dieldrin	40.000	41.739	-4.3	104	0.00
16	M	Endrin	40.000	42.838	-7.1	106	0.00
17		4,4'-DDD	40.000	39.704	0.7	104	0.00
18		Endosulfan II	40.000	40.532	-1.3	100	0.00
19	M	4,4'-DDT	40.000	41.071	-2.7	103	0.00
20		Endrin Aldehyde	40.000	39.765	0.6	98	0.00
21		Endosulfan Sulfate	40.000	37.657	5.9	104	0.00
22		Methoxychlor	200.000	201.455	-0.7	101	0.00
23		Endrin Ketone	40.000	38.095	4.8	98	0.00
24	SR	Decachlorobiphenyl (S)	80.000	72.960	8.8	94	0.00

Signal #2

1	T	Hexachlorobutadiene	20.000	20.058	-0.3	102	0.00
2	SR	Tetrachloro-m-xylene (S)	40.000	41.973	-4.9	99	0.00
3		alpha-BHC	20.000	22.296	-11.5	102	0.00
4	T	Hexachlorobenzene	20.000	20.321	-1.6	101	0.00
5	M	gamma-BHC (Lindane)	20.000	21.886	-9.4	102	0.00
6		beta-BHC	20.000	20.402	-2.0	102	0.00
7		delta-BHC	20.000	21.079	-5.4	101	0.00
8	M	Heptachlor	20.000	22.473	-12.4	104	0.00
9	M	Aldrin	20.000	20.989	-4.9	101	0.00
10		Heptachlor Epoxide	20.000	20.597	-3.0	102	0.00
11		gamma-Chlordane	20.000	21.045	-5.2	103	0.00
12		alpha-Chlordane	20.000	20.495	-2.5	102	0.00
13		Endosulfan I	20.000	19.472	2.6	100	0.00
14		4,4'-DDE	40.000	43.739	-9.3	103	0.00
15	M	Dieldrin	40.000	42.545	-6.4	102	0.00
16	M	Endrin	40.000	45.648	-14.1	109	0.00
17		4,4'-DDD	40.000	43.864	-9.7	103	0.00
18		Endosulfan II	40.000	40.206	-0.5	97	0.00
19	M	4,4'-DDT	40.000	39.621	0.9	100	0.00
20		Endrin Aldehyde	40.000	36.371	9.1	96	0.00
21		Endosulfan Sulfate	40.000	39.630	0.9	98	0.00
22		Methoxychlor	200.000	202.318	-1.2	99	0.00
23		Endrin Ketone	40.000	38.042	4.9	95	0.00
24	SR	Decachlorobiphenyl (S)	80.000	68.652	14.2	88	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report Not Found

Signal #1 : H:\DATA\120204\ECD08191.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120204\ECD08191.D\ECD2B.CH
Acq On : 03 Dec 2004 12:29 am Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ECD08191.D 120204.M Mon Dec 06 14:26:03 2004 Page 2

Response Factor Report Agilent E

Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004

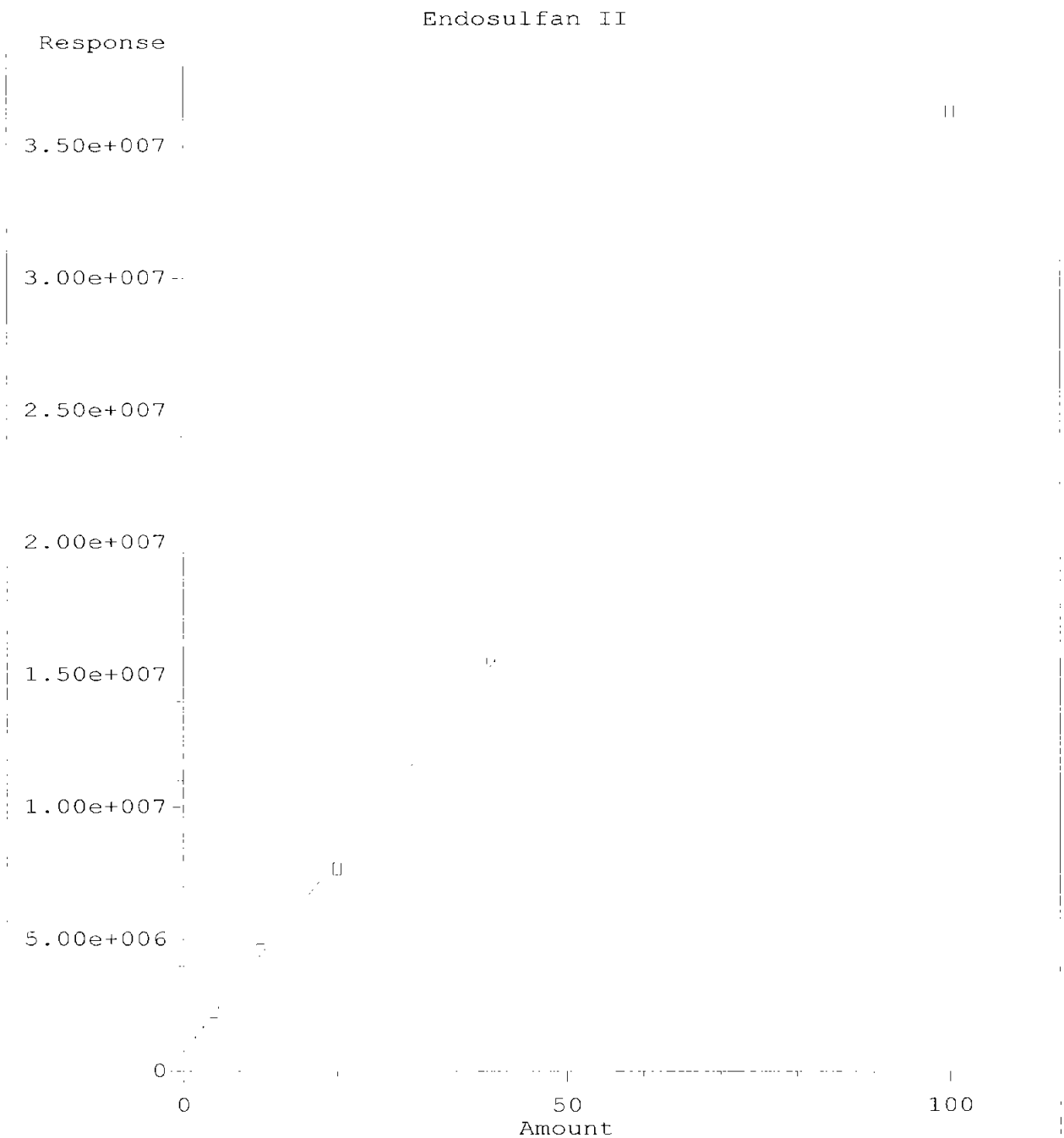
Calibration Files
1 =ECD08154.D 2 =ECD08155.D 5 =ECD08156.D
10 =ECD08157.D 20 =ECD08158.D 50 =ECD08159.D

		Compound	1	2	5	10	20	50	Avg		%RSD
1)	T	Hexachlorobutadi	1.157	1.111	1.121	1.014	1.108	1.071	1.097	E6	4.47
2)	SR	Tetrachloro-m-xy	5.616	5.454	5.468	4.952	5.385	5.173	5.341	E5	4.48
3)		alpha-BHC	6.909	6.884	7.348	6.885	7.827	7.808	7.277	E5	6.25
4)	T	Hexachlorobenzen	6.715	6.475	6.166	5.392	5.698	5.496	5.990	E5	9.08
5)	M	gamma-BHC (Linda	6.673	6.503	6.702	6.215	6.998	6.949	6.673	E5	4.35
6)		beta-BHC	3.637	3.423	3.222	2.806	2.993	2.860	3.157	E5	10.44
7)		delta-BHC	5.725	5.602	5.916	5.602	6.398	6.442	5.947	E5	6.45
8)	M	Heptachlor	7.112	7.060	7.057	6.514	7.447	7.311	7.083	E5	4.51
9)	M	Aldrin	7.047	6.541	6.477	5.896	6.577	6.494	6.505	E5	5.63
10)		Heptachlor Epoxi	7.182	6.618	6.392	5.666	6.068	5.951	6.313	E5	8.57
11)		gamma-Chlordane	6.613	6.335	6.140	5.518	6.057	5.959	6.104	E5	6.04
12)		alpha-Chlordane	6.854	6.556	6.143	5.676	6.055	5.904	6.198	E5	7.00
13)		Endosulfan I	5.993	5.525	5.599	4.812	5.361	5.140	5.405	E5	7.50
14)		4,4'-DDE	5.616	5.353	5.356	4.798	5.273	5.228	5.271	E5	5.08
15)	M	Dieldrin	5.476	5.175	5.152	4.655	5.078	4.883	5.070	E5	5.51
16)	M	Endrin	4.616	4.553	4.326	3.900	4.355	4.234	4.331	E5	5.90
17)		4,4'-DDD	4.254	3.918	3.784	3.321	3.565	3.490	3.722	E5	9.03
18)		Endosulfan II	7.436	5.680	4.614	3.833	3.888	3.623	4.845	E5	30.47
19)	M	4,4'-DDT	2.942	2.844	2.597	2.344	2.680	2.734	2.690	E5	7.76
20)		Endrin Aldehyde	5.032	4.104	3.445	2.964	2.980	2.756	3.547	E5	24.62
21)		Endosulfan Sulfa	3.527	3.156	2.807	2.421	2.538	2.426	2.813	E5	15.95
22)		Methoxychlor	1.135	1.096	1.086	0.971	1.068	1.048	1.067	E5	5.20
23)		Endrin Ketone	3.282	3.139	2.971	2.661	2.871	2.815	2.957	E5	7.63
24)	SR	Decachlorobiphen	2.248	2.131	2.052	1.828	1.979	1.947	2.031	E5	7.26

Signal #2 Calibration Files
1 =ECD08154.D 2 =ECD08155.D 5 =ECD08156.D
10 =ECD08157.D 20 =ECD08158.D 50 =ECD08159.D

		Compound	1	2	5	10	20	50	Avg		%RSD
1)	T	Hexachlorobutadi	7.510	7.105	6.971	6.308	6.847	6.885	6.938	E5	5.63
2)	SR	Tetrachloro-m-xy	3.114	3.046	3.195	2.983	3.310	3.166	3.136	E5	3.68
3)		alpha-BHC	4.102	4.092	4.405	4.202	4.821	4.862	4.414	E5	7.93
4)	T	Hexachlorobenzen	3.474	3.418	3.444	3.111	3.349	3.262	3.343	E5	4.08
5)	M	gamma-BHC (Linda	3.833	3.841	3.989	3.782	4.273	4.288	4.001	E5	5.68
6)		beta-BHC	1.712	1.748	1.714	1.574	1.674	1.632	1.676	E5	3.79
7)		delta-BHC	3.561	3.441	3.658	3.351	3.789	3.905	3.618	E5	5.79
8)	M	Heptachlor	3.602	3.581	3.635	3.520	4.053	4.050	3.740	E5	6.53
9)	M	Aldrin	3.886	3.712	3.844	3.541	3.966	3.929	3.813	E5	4.19
10)		Heptachlor Epoxi	3.831	3.712	3.706	3.350	3.690	3.600	3.648	E5	4.49
11)		gamma-Chlordane	3.937	3.831	3.829	3.488	3.904	3.898	3.815	E5	4.34
12)		alpha-Chlordane	4.154	3.964	3.902	3.520	3.894	3.851	3.881	E5	5.31
13)		Endosulfan I	3.801	3.604	3.556	3.123	3.375	3.357	3.469	E5	6.79
14)		4,4'-DDE	3.467	3.434	3.558	3.306	3.755	3.748	3.545	E5	5.06
15)	M	Dieldrin	3.590	3.502	3.581	3.315	3.684	3.575	3.541	E5	3.53
16)	M	Endrin	2.975	2.993	2.977	2.745	3.134	3.074	2.983	E5	4.45
17)		4,4'-DDD	2.680	2.649	2.748	2.607	2.937	2.917	2.756	E5	5.08
18)		Endosulfan II	5.451	4.291	3.679	3.251	3.393	3.184	3.875	E5	22.48
19)	M	4,4'-DDT	2.150	2.204	2.275	2.219	2.654	2.781	2.380	E5	11.22
20)		Endrin Aldehyde	3.335	2.769	2.653	2.427	2.543	2.386	2.685	E5	12.97
21)		Endosulfan Sulfa	3.484	3.375	3.295	3.037	3.308	3.150	3.275	E5	4.88
22)		Methoxychlor	1.278	1.281	1.323	1.187	1.297	1.262	1.271	E5	3.63
23)		Endrin Ketone	3.784	3.645	3.781	3.448	3.638	3.402	3.616	E5	4.47
24)	SR	Decachlorobiphen	2.406	2.223	2.153	1.906	2.052	1.948	2.115	E5	8.81

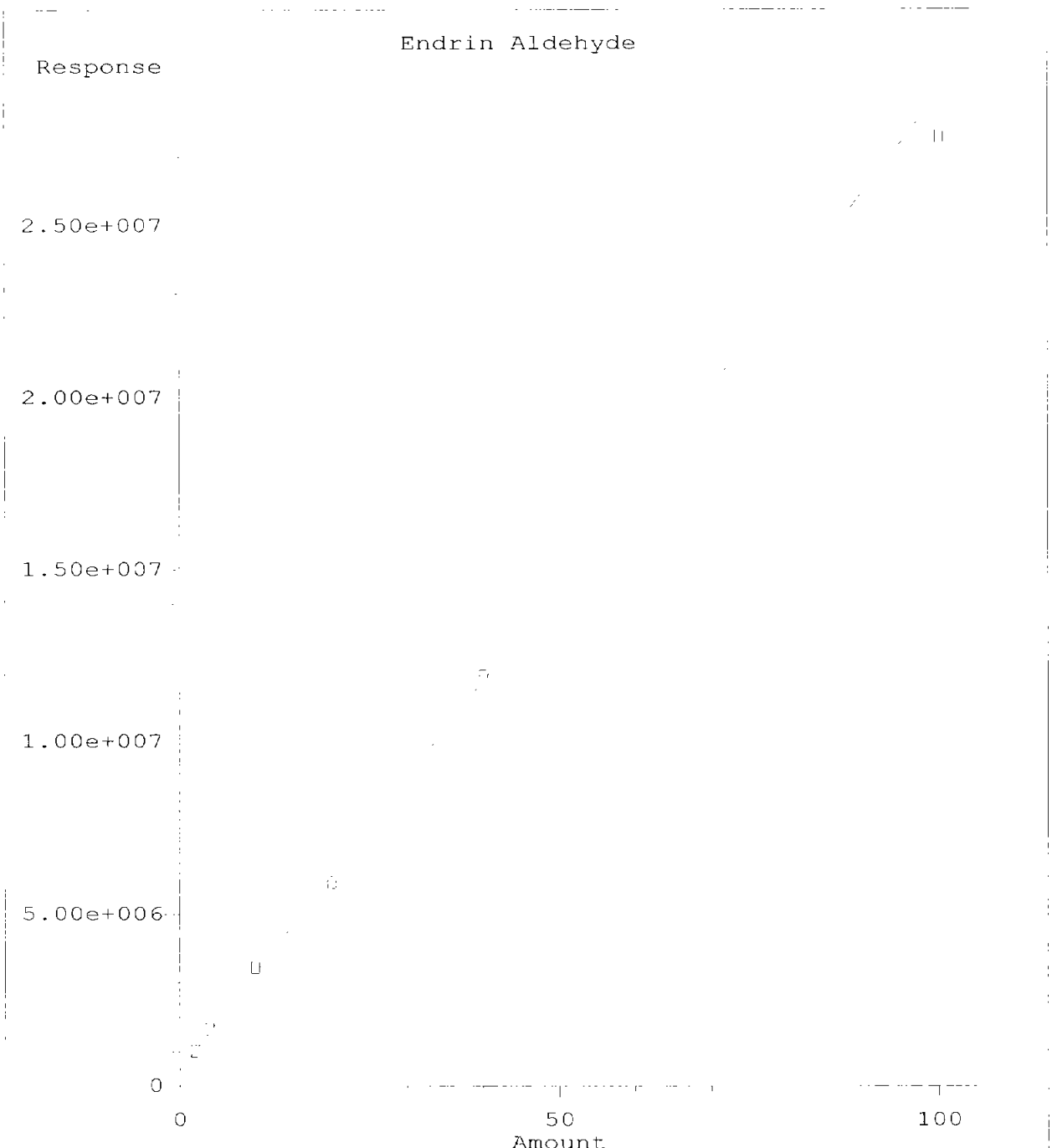
(#) = Out of Range



Response = 3.64e+005 * Amt + 7.74e+005
Coef of Det (r^2) = 0.998 Curve Fit: wlr(1/a^2)

Method Name: H:\METHODS\120204.M
Calibration Table Last Updated: Mon Dec 06 14:18:31 2004

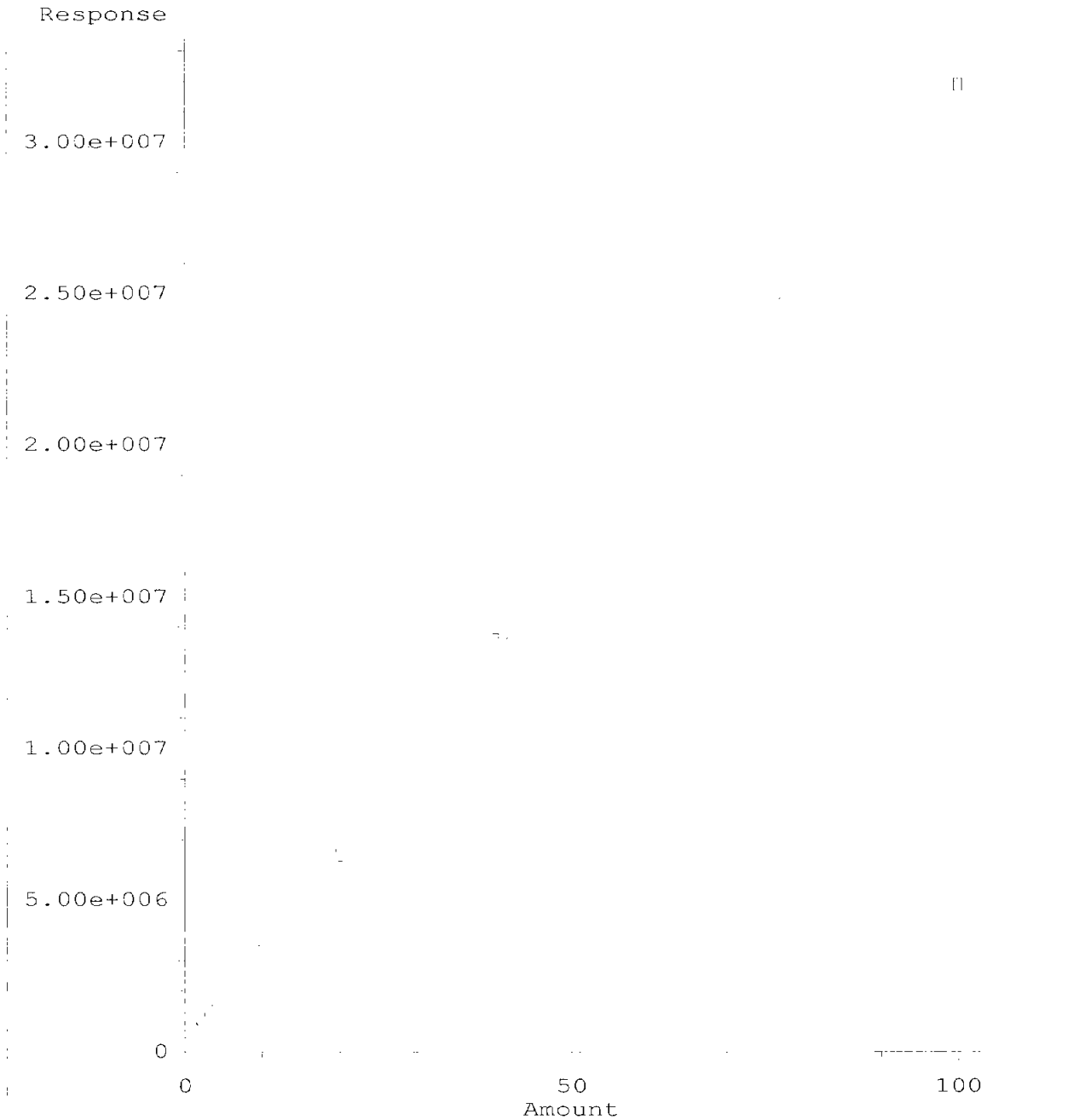
01053



Method Name: H:\METHODS\120204.M
Calibration Table Last Updated: Mon Dec 06 14:18:31 2004

01054

Endosulfan II #2



Response = 3.16e+005 * Amt + 4.57e+005
Coef of Det (r^2) = 0.999 Curve Fit: wlr(1/a^2)

Method Name: H:\METHODS\120204.M
Calibration Table Last Updated: Mon Dec 06 14:18:31 2004

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08154.D\ECD1A.CH Vial: 3
Signal #2 : H:\DATA\120204\ECD08154.D\ECD2B.CH
Acq On : 02 Dec 2004 11:14 am Operator: SJL/CRF
Sample : 1.0ug/l 8081 std 1174-25-02 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:20:39 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.84	6.08	1123136	622785	2.103	1.986	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					10.52%#	9.93%#	
24)	SR	Decachlorobiphen	13.30	12.72	899339	962480	4.429	4.551	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					22.15%#	22.75%#	
		Target Compounds							
1)	T	Hexachlorobutadi	3.81	3.00	1157083	751016	1.055	1.083	
3)		alpha-BHC	7.33	6.85	690863	410199	0.949	0.929	
4)	T	Hexachlorobenzen	7.41	6.71	671484	347368	1.121	1.039	
5)	M	gamma-BHC (Linda	7.70	7.28	667258	383262	1.000	0.958	
6)		beta-BHC	8.05	7.58	363658	171212	1.152	1.022	
7)		delta-BHC	8.34	7.86	572513	356073	0.963	0.984	
8)	M	Heptachlor	8.37	7.65	711202	360212	1.004	0.963	
9)	M	Aldrin	8.79	7.96	704654	388588	1.083	1.019	
10)		Heptachlor Epoxi	9.47	8.62	718197	383127	1.138	1.050	
11)		gamma-Chlordane	9.92	8.96	661321	393714	1.083	1.032	
12)		alpha-Chlordane	9.98	9.11	685352	415359	1.106	1.070	
13)		Endosulfan I	10.01	9.16	599293	380050	1.109	1.096	
14)		4,4'-DDE	10.26	9.49	1123178	693455	2.131	1.956	
15)	M	Dieldrin	10.34	9.58	1095281	717992	2.160	2.028	
16)	M	Endrin	10.61	9.98	923215	594953	2.132	1.994	
17)		4,4'-DDD	10.89	10.26	850728	535984	2.286	1.944	
18)		Endosulfan II	10.95	10.35	1487118	1090213	1.959	2.002	
19)	M	4,4'-DDT	11.23	10.58	588422	430081	2.187	3.366	#
20)		Endrin Aldehyde	11.08	10.64	1006486	666932	1.941	2.484	#
21)		Endosulfan Sulfa	11.41	10.88	705442	696820	2.508	2.128	
22)		Methoxychlor	11.76	11.40	1134623	1278295	10.632	10.054	
23)		Endrin Ketone	11.84	11.51	656478	756898	2.220	2.093	

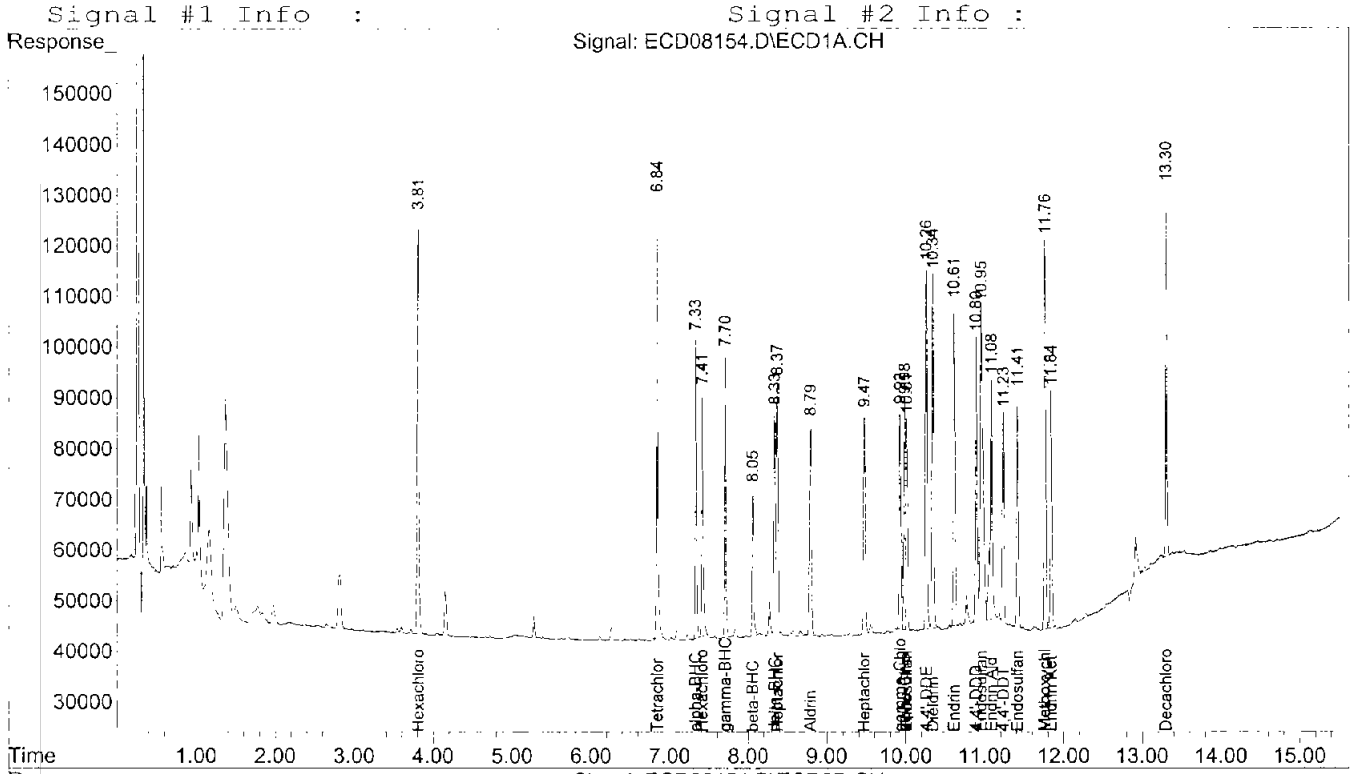
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

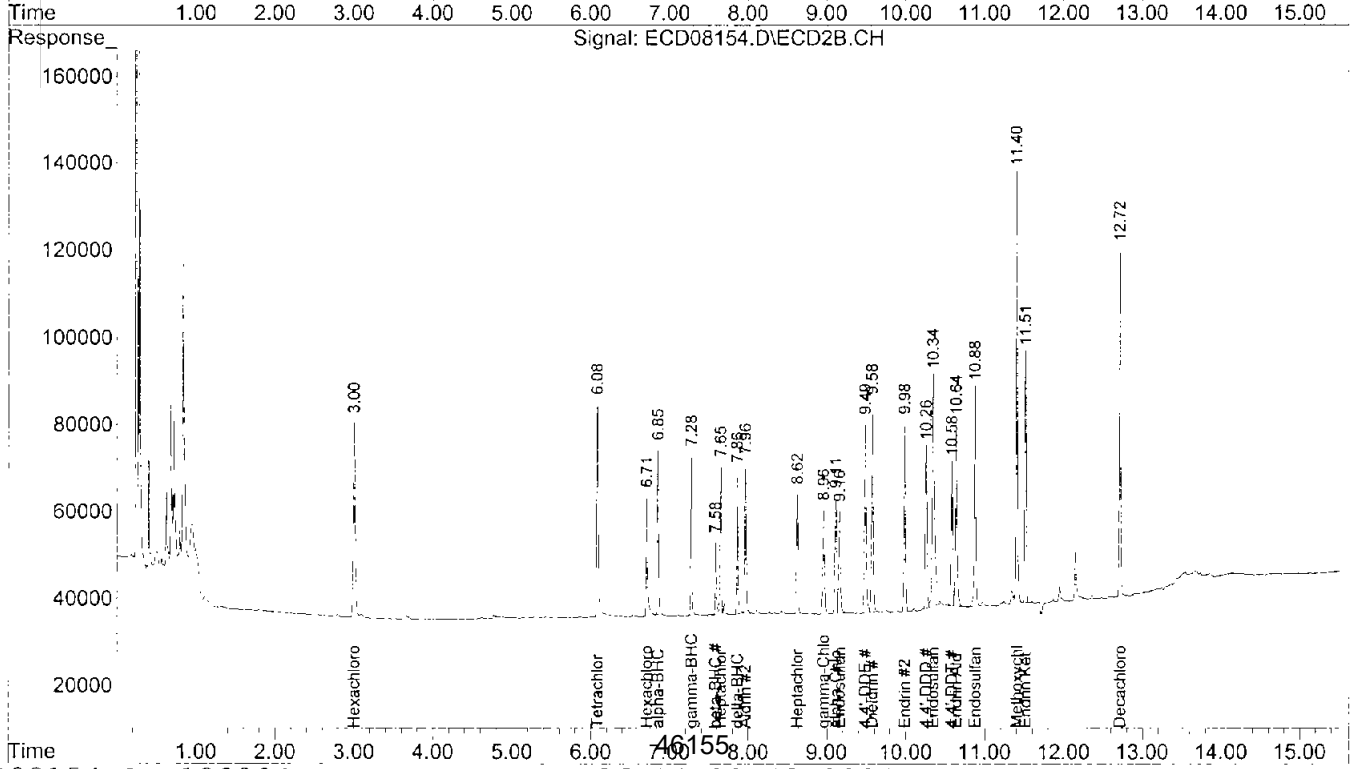
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08154.D\ECD1A.CH Vial: 3
Signal #2 : H:\DATA\120204\ECD08154.D\ECD2B.CH
Acq On : 02 Dec 2004 11:14 am Operator: SJL/CRF
Sample : 1.0ug/l 8081 std 1174-25-02 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:20 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08155.D\ECD1A.CH Vial: 4
Signal #2 : H:\DATA\120204\ECD08155.D\ECD2B.CH
Acq On : 02 Dec 2004 11:35 am Operator: SJL/CRF
Sample : 2.0ug/l 8081 std 1174-25-03 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:20:48 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	2181570	1218503	4.084	3.886
Spiked Amount			20.000	Range	60 - 150	Recovery	=	20.42%# 19.43%#
24)	SR	Decachlorobiphen	13.30	12.72	1704512	1778642	8.394	8.411
Spiked Amount			20.000	Range	60 - 150	Recovery	=	41.97%# 42.06%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	2221836	1420900	2.025	2.048
3)		alpha-BHC	7.33	6.85	1376781	818493	1.892	1.854
4)	T	Hexachlorobenzen	7.41	6.71	1295081	683509	2.162	2.045
5)	M	gamma-BHC (Linda	7.70	7.28	1300535	768255	1.949	1.920
6)		beta-BHC	8.05	7.58	684513	349512	2.168	2.086
7)		delta-BHC	8.34	7.86	1120369	688296	1.884	1.903
8)	M	Heptachlor	8.37	7.65	1411962	716244	1.993	1.915
9)	M	Aldrin	8.79	7.96	1308130	742452	2.011	1.947
10)		Heptachlor Epoxi	9.47	8.62	1323665	742366	2.097	2.035
11)		gamma-Chlordane	9.92	8.96	1266924	766241	2.076	2.009
12)		alpha-Chlordane	9.98	9.11	1311101	792718	2.115	2.043
13)		Endosulfan I	10.01	9.16	1104913	720859	2.044	2.078
14)		4,4'-DDE	10.26	9.49	2141062	1373633	4.062	3.875
15)	M	Dieldrin	10.34	9.58	2070021	1400807	4.083	3.956
16)	M	Endrin	10.61	9.98	1821389	1197215	4.206	4.013
17)		4,4'-DDD	10.89	10.26	1567163	1059576	4.211	3.844
18)		Endosulfan II	10.95	10.35	2271975	1716427	4.116	3.982
19)	M	4,4'-DDT	11.23	10.58	1137455	881460	4.228	4.969
20)		Endrin Aldehyde	11.08	10.64	1641708	1107601	4.180	4.124
21)		Endosulfan Sulfa	11.41	10.88	1262391	1349998	4.488	4.122
22)		Methoxychlor	11.76	11.40	2192581	2562458	20.545	20.153
23)		Endrin Ketone	11.84	11.51	1255759	1458066	4.247	4.032

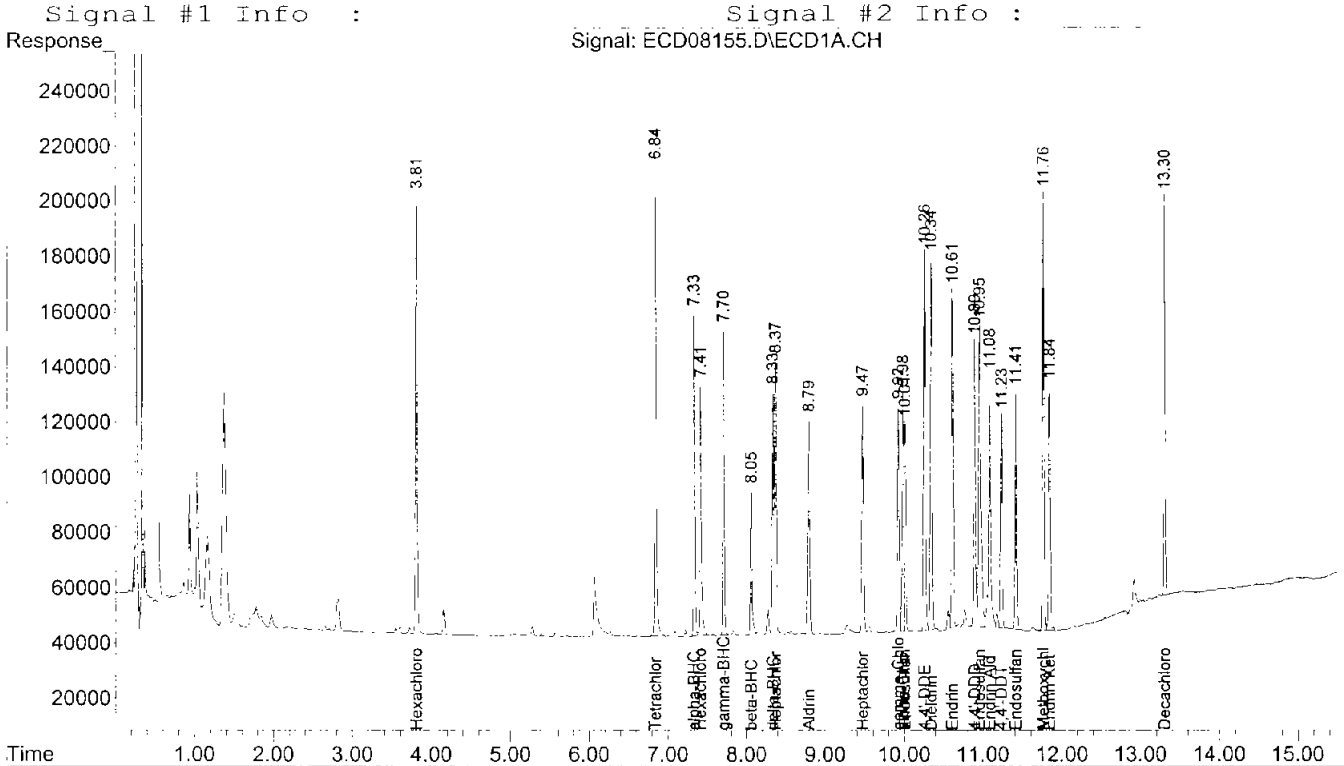
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

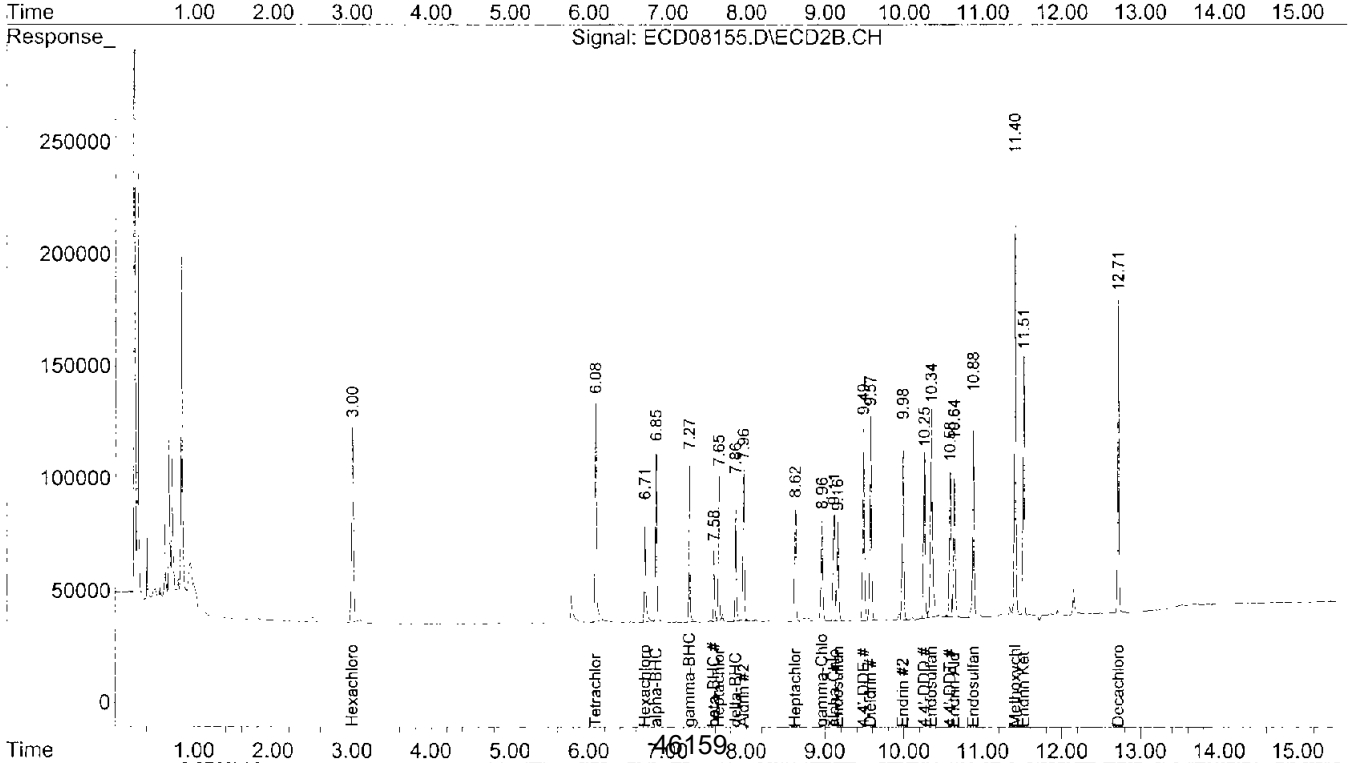
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08155.D\ECD1A.CH Vial: 4
Signal #2 : H:\DATA\120204\ECD08155.D\ECD2B.CH
Acq On : 02 Dec 2004 11:35 am Operator: SJL/CRF
Sample : 2.0ug/l 8081 std 1174-25-03 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:20 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08156.D\ECD1A.CH Vial: 5
Signal #2 : H:\DATA\120204\ECD08156.D\ECD2B.CH
Acq On : 02 Dec 2004 11:56 am Operator: SJL/CRF
Sample : 5.0ug/l 8081 std 1174-25-04 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:20:57 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

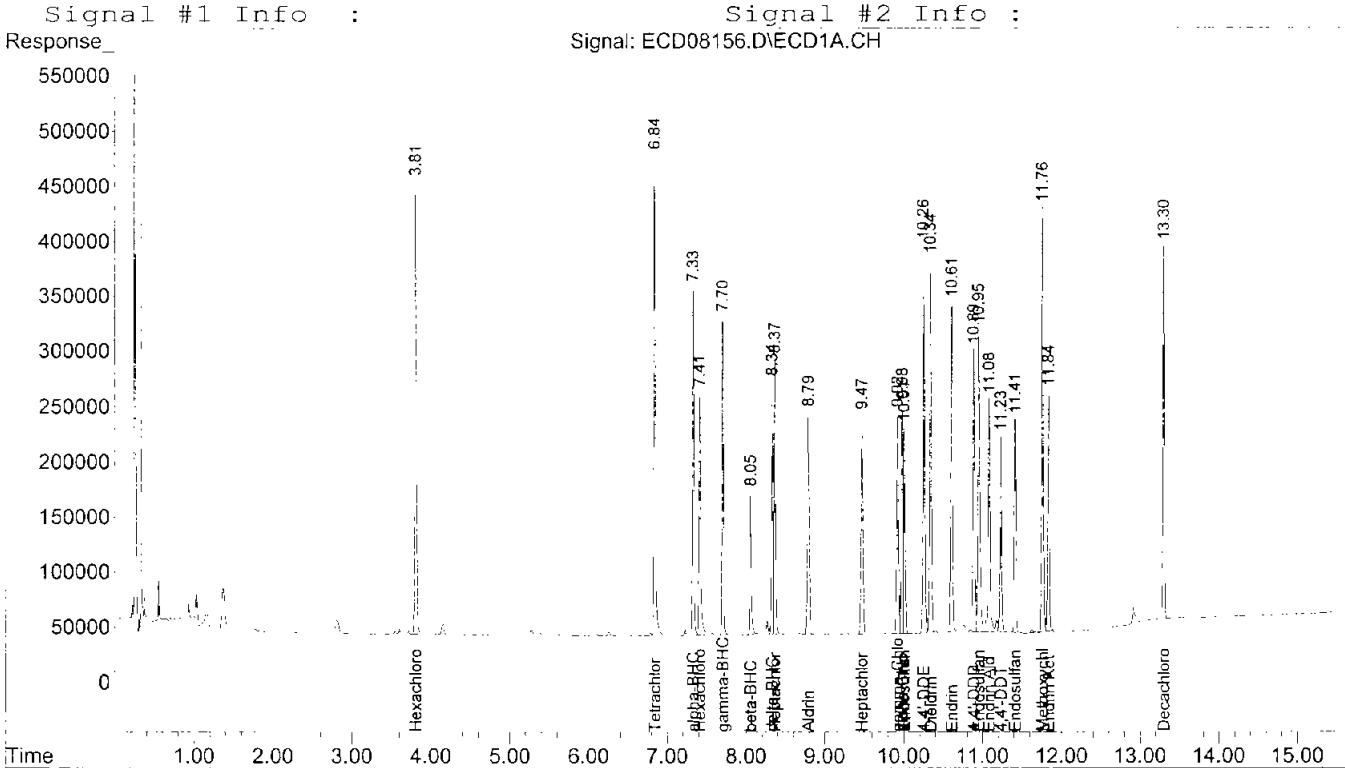
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
2) SR	Tetrachloro-m-xy	6.84	6.08	5468004	3195183	10.237	10.190
	Spiked Amount 20.000 Range 60 - 150 Recovery =					51.19%#	50.95%#
24) SR	Decachlorobiphen	13.30	12.72	4103804	4306522	20.209	20.364
	Spiked Amount 20.000 Range 60 - 150 Recovery =					101.05%	101.82%
	Target Compounds						
1) T	Hexachlorobutadi	3.81	3.00	5605765	3485272	5.110	5.024
3)	alpha-BHC	7.33	6.85	3673805	2202548	5.049	4.990
4) T	Hexachlorobenzen	7.41	6.71	3082895	1722151	5.146	5.152
5) M	gamma-BHC (Linda	7.70	7.28	3350830	1994305	5.021	4.985
6)	beta-BHC	8.06	7.58	1610995	857058	5.103	5.115
7)	delta-BHC	8.34	7.86	2957769	1829226	4.973	5.056
8) M	Heptachlor	8.37	7.65	3528271	1817603	4.981	4.860
9) M	Aldrin	8.79	7.96	3238250	1922210	4.978	5.041
10)	Heptachlor Epoxi	9.47	8.62	3195868	1853111	5.063	5.080
11)	gamma-Chlordane	9.92	8.96	3069974	1914278	5.030	5.018
12)	alpha-Chlordane	9.98	9.11	3071264	1951136	4.955	5.028
13)	Endosulfan I	10.01	9.16	2799647	1777909	5.180	5.125
14)	4,4'-DDE	10.26	9.49	5355865	3557506	10.162	10.036
15) M	Dieldrin	10.34	9.58	5152281	3580805	10.162	10.112
16) M	Endrin	10.61	9.99	4325970	2977471	9.989	9.981
17)	4,4'-DDD	10.89	10.26	3783868	2748350	10.167	9.971
18)	Endosulfan II	10.95	10.35	4613571	3679430	10.551	10.188
19) M	4,4'-DDT	11.23	10.58	2597280	2274643	9.654	9.917
20)	Endrin Aldehyde	11.08	10.64	3445172	2652598	10.538	9.878
21)	Endosulfan Sulfa	11.41	10.88	2807391	3295109	9.981	10.062
22)	Methoxychlor	11.76	11.40	5428476	6615691	50.866	52.031
23)	Endrin Ketone	11.84	11.51	2971442	3780734	10.050	10.454

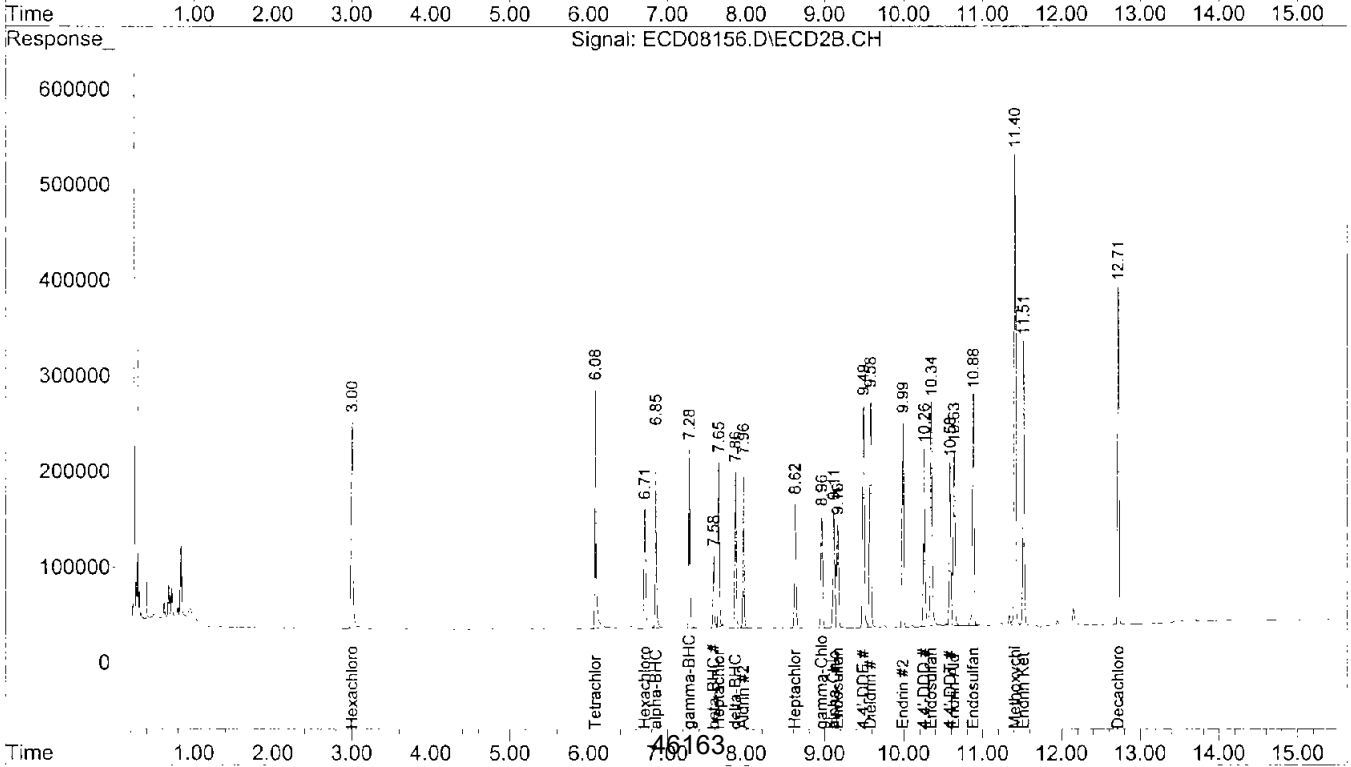
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : H:\DATA\120204\ECD08156.D\ECD1A.CH Vial: 5
Signal #2 : H:\DATA\120204\ECD08156.D\ECD2B.CH
Acq On : 02 Dec 2004 11:56 am Operator: SJL/CRF
Sample : 5.0ug/l 8081 std 1174-25-04 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:20 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08157.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\120204\ECD08157.D\ECD2B.CH
Acq On : 02 Dec 2004 12:17 pm Operator: SJL/CRF
Sample : 10ug/l 8081 std 1174-25-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:21:06 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	9904364	5965716	18.543	19.025
		Spiked Amount 20.000 Range 60 - 150 Recovery =					92.71%	95.13%
24)	SR	Decachlorobiphen	13.30	12.72	7310671	7623427	36.001	36.049
		Spiked Amount 20.000 Range 60 - 150 Recovery =					180.01%#	180.24%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	10143151	6308045	9.245	9.093
3)		alpha-BHC	7.33	6.85	6884541	4201614	9.461	9.519
4)	T	Hexachlorobenzen	7.41	6.71	5391962	3111243	9.001	9.307
5)	M	gamma-BHC (Linda	7.70	7.28	6215478	3781836	9.314	9.452
6)		beta-BHC	8.05	7.58	2805777	1574044	8.888	9.394
7)		delta-BHC	8.34	7.86	5602479	3350750	9.420	9.262
8)	M	Heptachlor	8.37	7.65	6514190	3519596	9.197	9.410
9)	M	Aldrin	8.79	7.96	5896222	3540683	9.064	9.286
10)		Heptachlor Epoxi	9.47	8.62	5666005	3349584	8.976	9.182
11)		gamma-Chlordane	9.92	8.96	5518355	3487948	9.041	9.144
12)		alpha-Chlordane	9.98	9.11	5675655	3520447	9.158	9.072
13)		Endosulfan I	10.01	9.16	4811841	3122501	8.903	9.001
14)		4,4'-DDE	10.26	9.49	9596349	6611551	18.207	18.652
15)	M	Dieldrin	10.34	9.58	9310636	6630348	18.364	18.723
16)	M	Endrin	10.61	9.98	7799700	5490422	18.010	18.405
17)		4,4'-DDD	10.89	10.26	6641683	5214950	17.845	18.919
18)		Endosulfan II	10.95	10.34	7665459	6501787	18.938	19.112
19)	M	4,4'-DDT	11.23	10.58	4687448	4437227	17.424	17.597
20)		Endrin Aldehyde	11.08	10.64	5928555	4854319	19.293	18.077
21)		Endosulfan Sulfa	11.41	10.88	4842937	6073910	17.218	18.547
22)		Methoxychlor	11.76	11.40	9707591	11872287	90.962	93.374
23)		Endrin Ketone	11.84	11.51	5322265	6896215	18.000	19.069

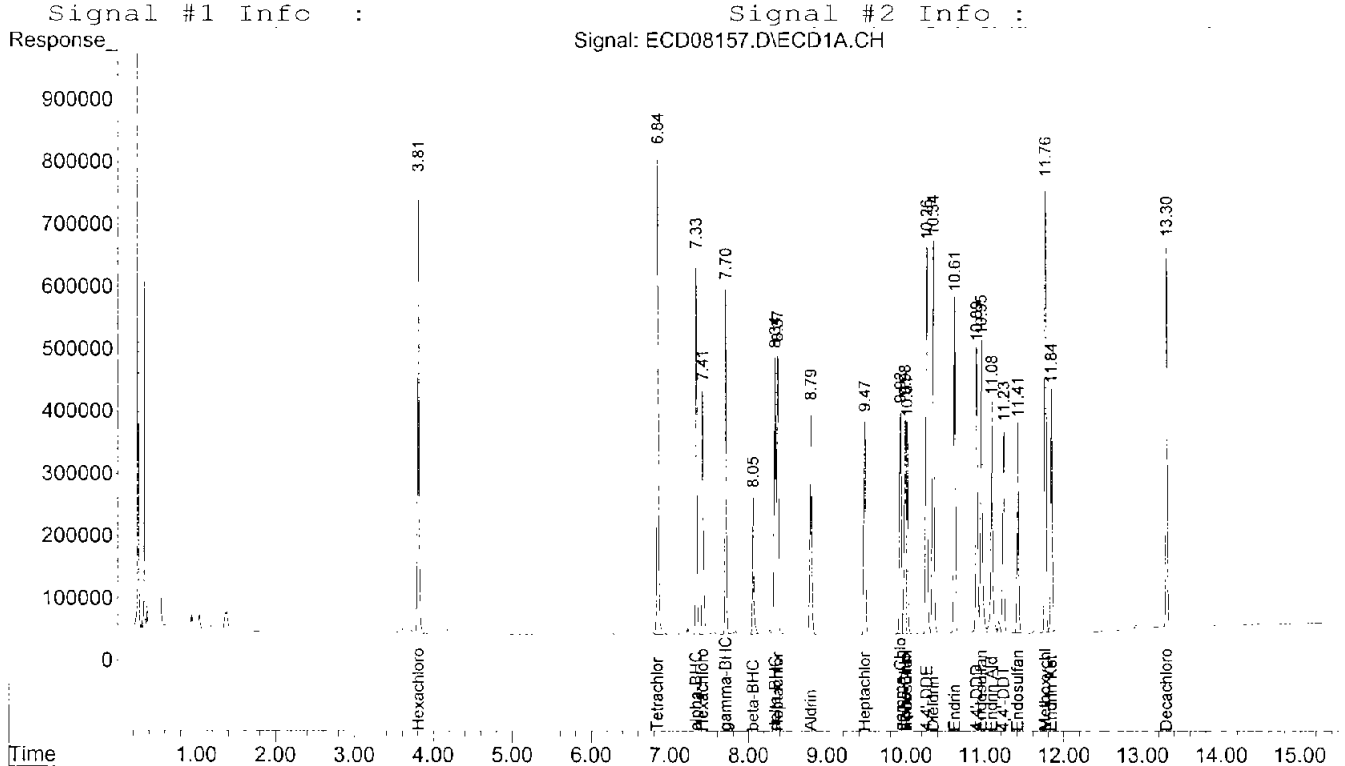
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

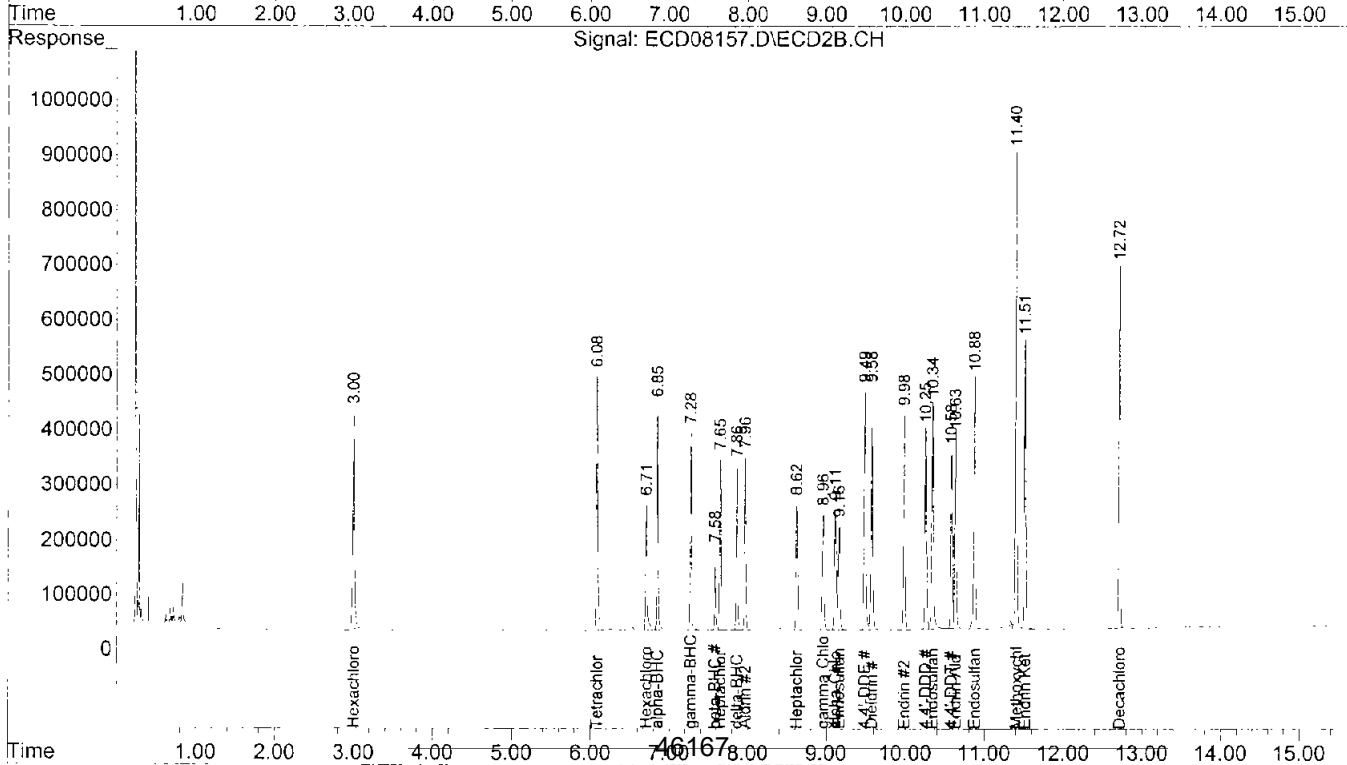
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08157.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\120204\ECD08157.D\ECD2B.CH
Acq On : 02 Dec 2004 12:17 pm Operator: SJL/CRF
Sample : 10ug/l 8081 std 1174-25-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:21 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08158.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120204\ECD08158.D\ECD2B.CH
Acq On : 02 Dec 2004 12:37 pm Operator: SJL/CRF
Sample : 20ug/l 8081 std 1174-25-06 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:21:15 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	21538573	13240065	40.325	42.224
		Spiked Amount 20.000 Range 60 - 150 Recovery =					201.63%#	211.12%#
24)	SR	Decachlorobiphen	13.30	12.72	15830297	16413780	77.954	77.616
		Spiked Amount 20.000 Range 60 - 150 Recovery =					389.77%#	388.08%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	22163969	13693935	20.202	19.739
3)		alpha-BHC	7.33	6.85	15653276	9642486	21.512	21.845
4)	T	Hexachlorobenzen	7.41	6.71	11395479	6697847	19.023	20.036
5)	M	gamma-BHC (Linda	7.70	7.28	13995684	8546473	20.973	21.361
6)		beta-BHC	8.05	7.58	5986909	3347273	18.965	19.977
7)		delta-BHC	8.34	7.86	12795336	7578676	21.514	20.949
8)	M	Heptachlor	8.37	7.65	14893030	8105230	21.026	21.671
9)	M	Aldrin	8.79	7.96	13154796	7932331	20.222	20.803
10)		Heptachlor Epoxi	9.47	8.62	12135474	7380131	19.224	20.230
11)		gamma-Chlordane	9.92	8.96	12113169	7807890	19.846	20.469
12)		alpha-Chlordane	9.98	9.11	12109934	7787140	19.539	20.066
13)		Endosulfan I	10.01	9.16	10721297	6749614	19.836	19.456
14)		4,4'-DDE	10.26	9.49	21091093	15019268	40.016	42.372
15)	M	Dieldrin	10.34	9.58	20312239	14737160	40.064	41.616
16)	M	Endrin	10.61	9.98	17421234	12537662	40.226	42.028
17)		4,4'-DDD	10.89	10.26	14258948	11747131	38.311	42.616
18)		Endosulfan II	10.95	10.34	15550334	13572492	40.606	41.466
19)	M	4,4'-DDT	11.23	10.58	10721044	10617397	39.852	39.547
20)		Endrin Aldehyde	11.08	10.64	11920194	10172922	40.415	37.882
21)		Endosulfan Sulfa	11.41	10.88	10151864	13231877	36.094	40.405
22)		Methoxychlor	11.76	11.41	21351605	25932367	200.068	203.954
23)		Endrin Ketone	11.84	11.51	11483368	14552682	38.838	40.240

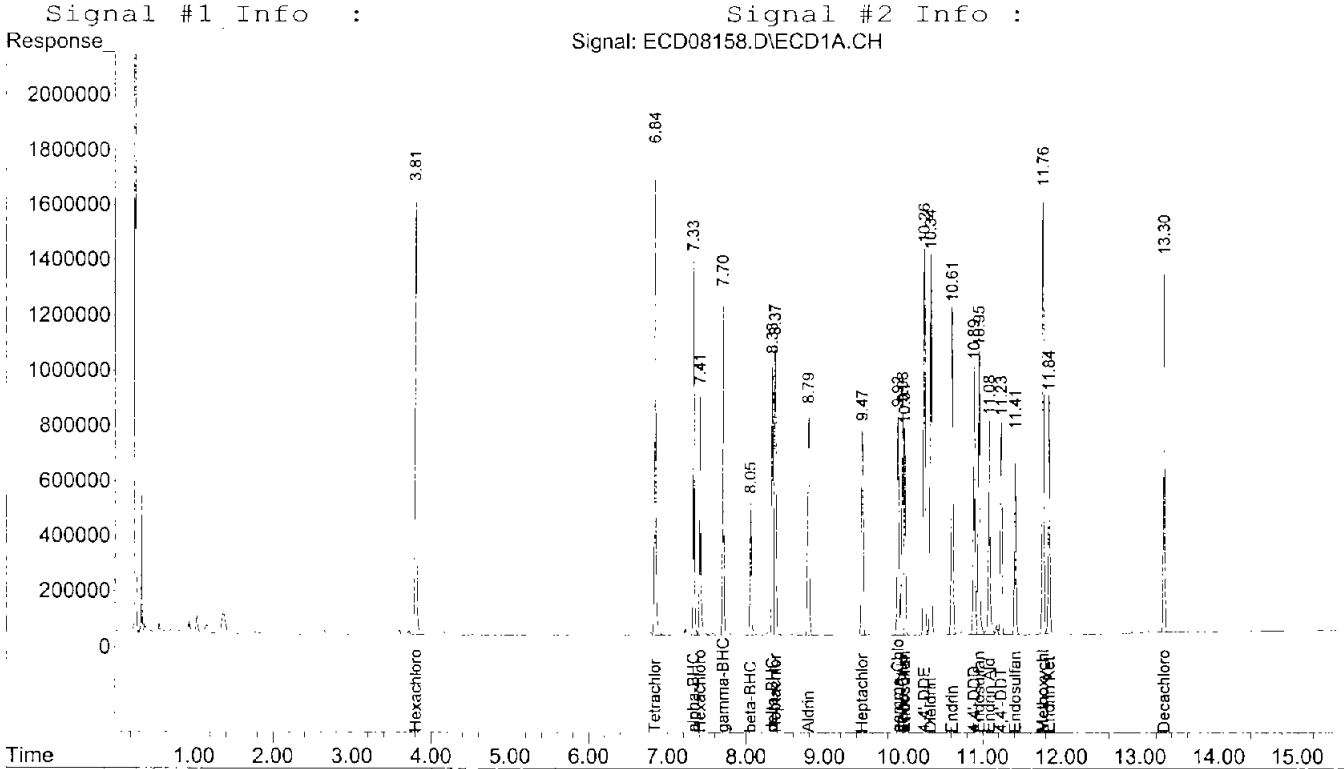
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
ECD08158.D 120204.M Mon Dec 06 14:21:17 2004 Page 1

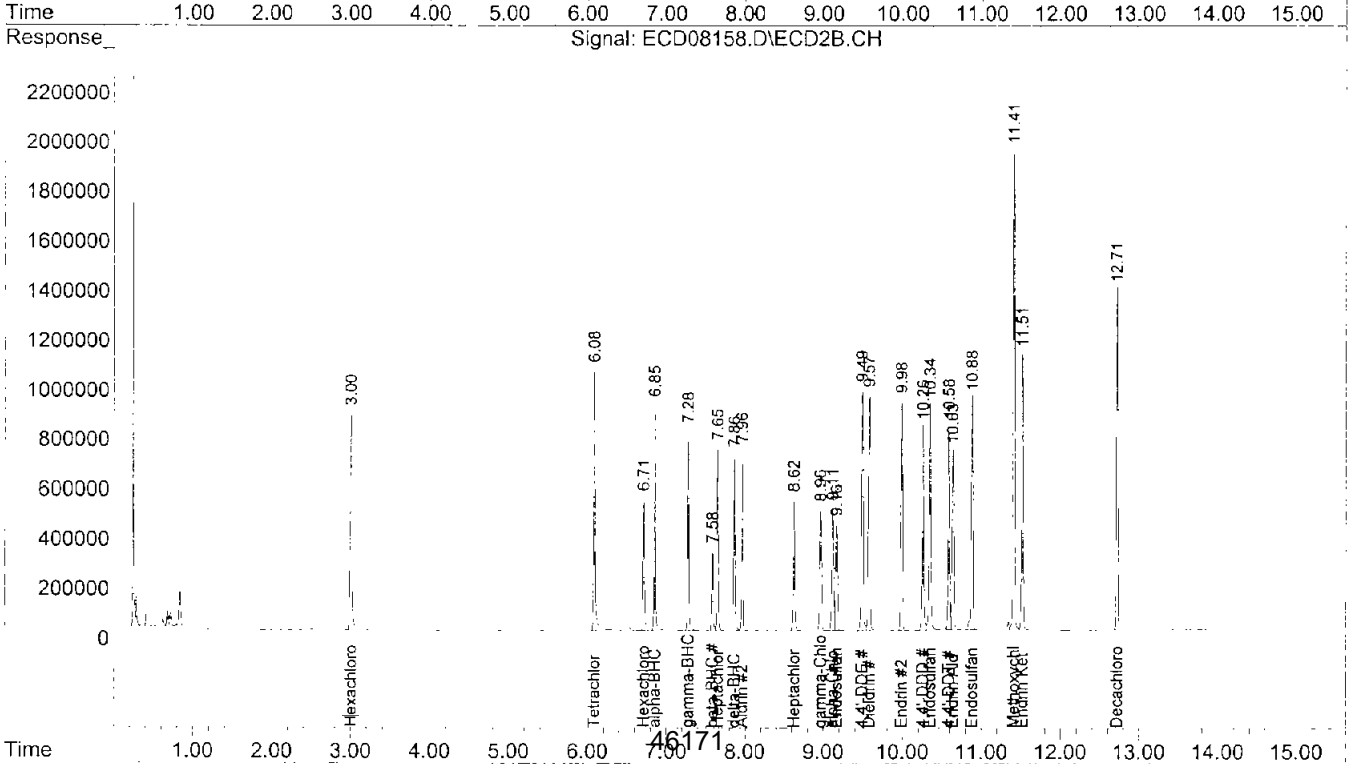
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08158.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120204\ECD08158.D\ECD2B.CH
Acq On : 02 Dec 2004 12:37 pm Operator: SJL/CRF
Sample : 20ug/l 8081 std 1174-25-06 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:21 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08159.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\120204\ECD08159.D\ECD2B.CH
Acq On : 02 Dec 2004 12:58 pm Operator: SJL/CRF
Sample : 50ug/l 8081 std 1174-25-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:21:24 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	51726517	31659090	96.845	100.964
		Spiked Amount 20.000 Range 60 - 150 Recovery =					484.23%#	504.82%#
24)	SR	Decachlorobiphen	13.30	12.72	38938617	38963376	191.749	184.246
		Spiked Amount 20.000 Range 60 - 150 Recovery =					958.75%#	921.23%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	53545091	34424496	48.806	49.621
3)		alpha-BHC	7.33	6.85	39039549	24307769	53.651	55.070
4)	T	Hexachlorobenzen	7.41	6.71	27479712	16309803	45.874	48.789
5)	M	gamma-BHC (Linda	7.70	7.28	34745716	21439420	52.067	53.586
6)		beta-BHC	8.05	7.58	14300847	8160009	45.302	48.700
7)		delta-BHC	8.33	7.86	32210525	19525402	54.158	53.973
8)	M	Heptachlor	8.37	7.65	36553072	20251607	51.605	54.146
9)	M	Aldrin	8.79	7.96	32470275	19645496	49.914	51.521
10)		Heptachlor Epoxi	9.47	8.62	29752504	17998179	47.131	49.336
11)		gamma-Chlordane	9.92	8.96	29796791	19491297	48.818	51.098
12)		alpha-Chlordane	9.98	9.11	29522018	19253536	47.633	49.614
13)		Endosulfan I	10.01	9.16	25701633	16786127	47.552	48.386
14)		4,4'-DDE	10.26	9.49	52283971	37484147	99.199	105.749
15)	M	Dieldrin	10.34	9.58	48827089	35751146	96.306	100.957
16)	M	Endrin	10.61	9.99	42344814	30741250	97.775	103.049
17)		4,4'-DDD	10.89	10.26	34901403	29174030	93.774	105.838
18)		Endosulfan II	10.95	10.34	36227629	31838139	97.430	99.214
19)	M	4,4'-DDT	11.23	10.58	27343894	27809147	101.641	100.604
20)		Endrin Aldehyde	11.08	10.64	27559774	23859231	95.548	88.847
21)		Endosulfan Sulfa	11.41	10.88	24258142	31498608	86.247	96.184
22)		Methoxychlor	11.76	11.40	52417095	63118792	491.158	496.420
23)		Endrin Ketone	11.84	11.51	28153194	34019916	95.217	94.070

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

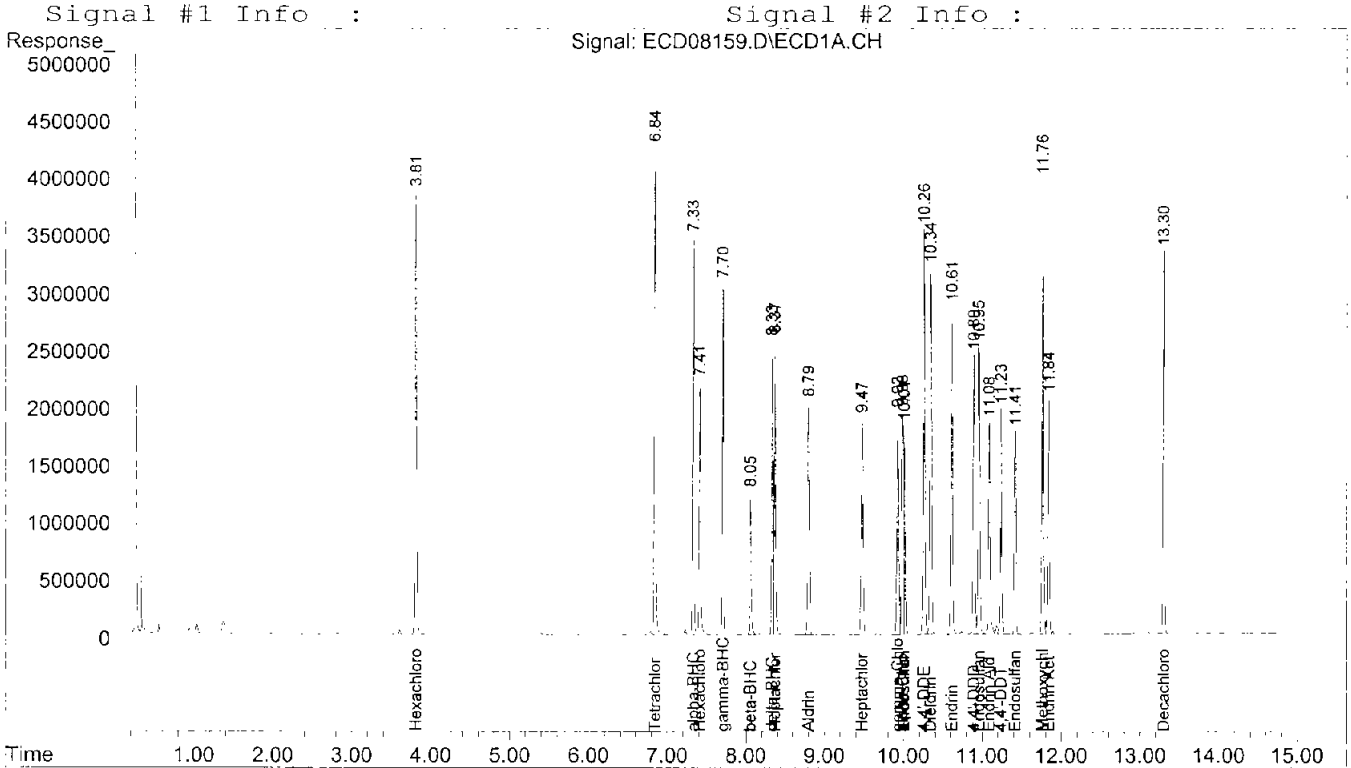
01066

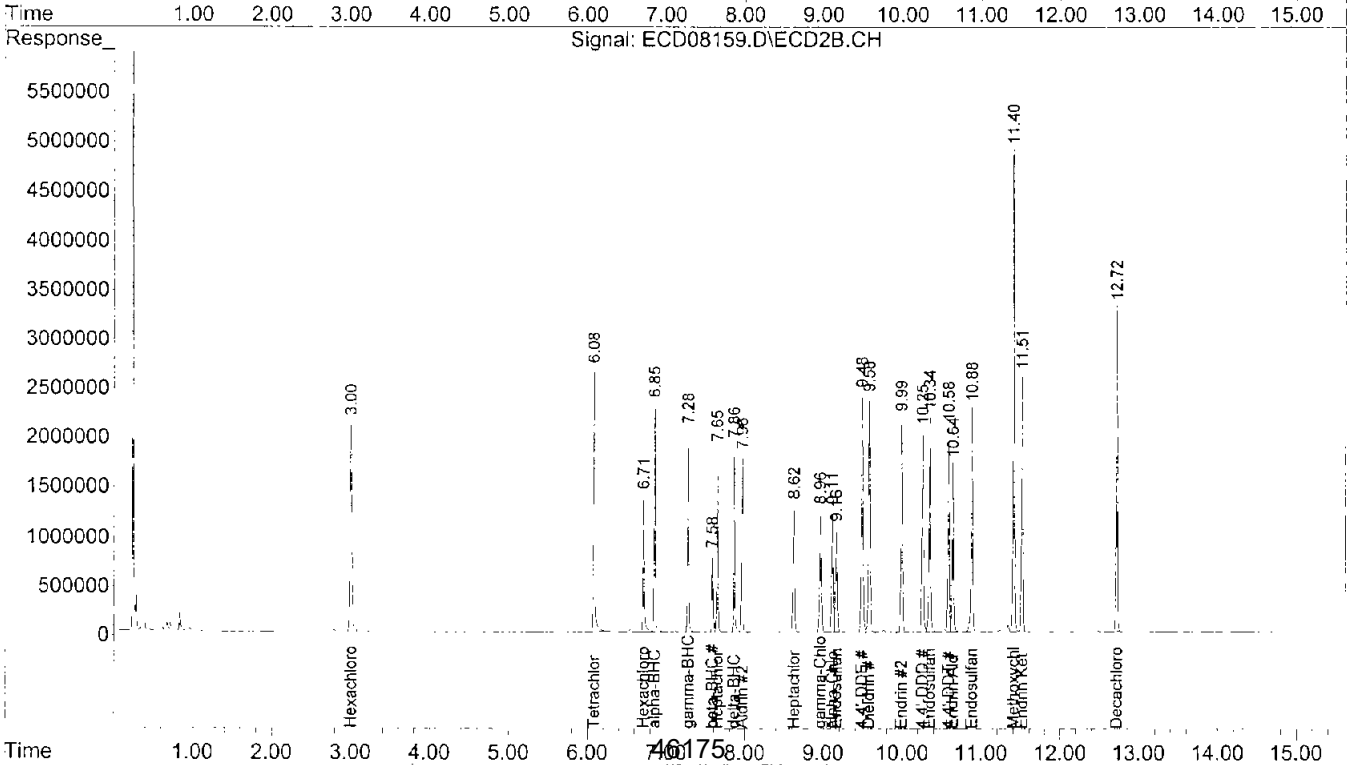
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08159.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\120204\ECD08159.D\ECD2B.CH
Acq On : 02 Dec 2004 12:58 pm Operator: SJL/CRF
Sample : 50ug/l 8081 std 1174-25-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autointl.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:21 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Signal #1 : H:\DATA\120204\ECD08160.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120204\ECD08160.D\ECD2B.CH
Acq On : 12-2-2004 01:19:28 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:21:33 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

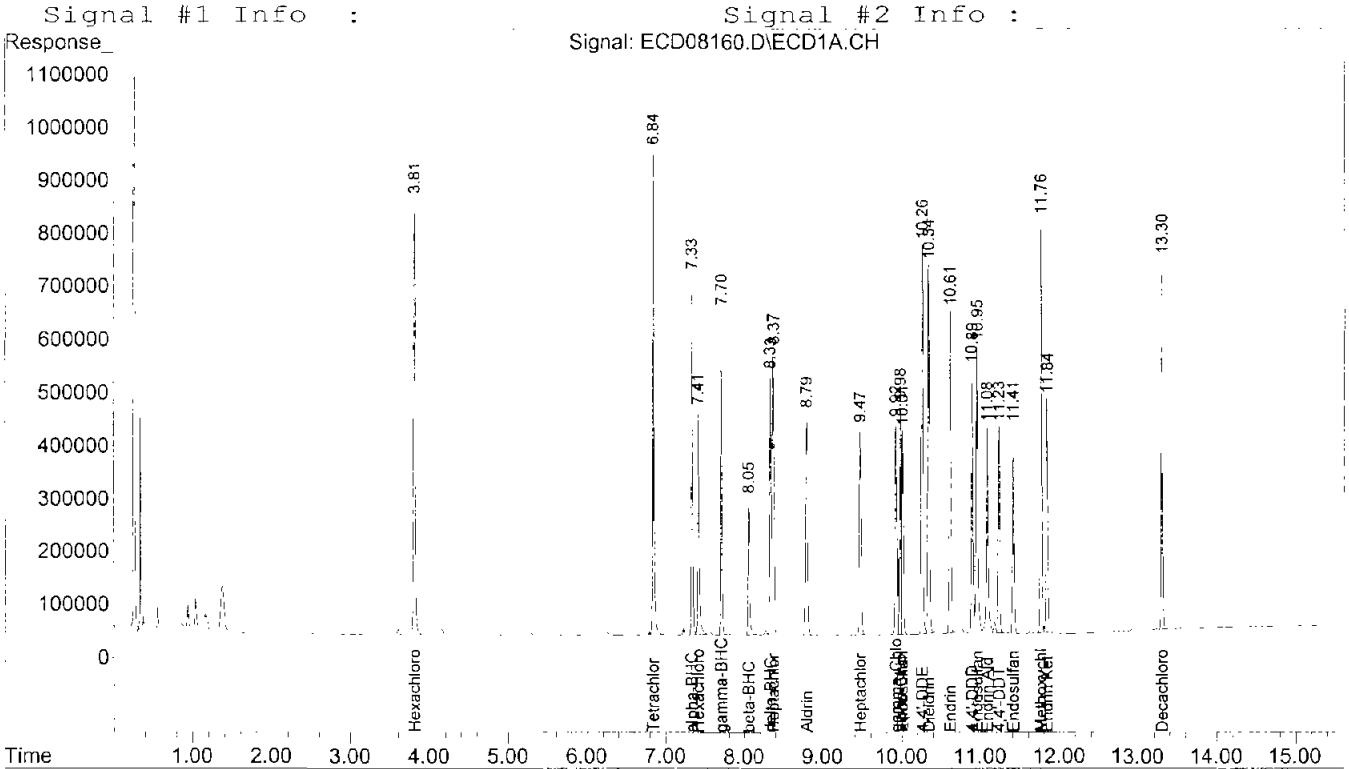
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	11070043	6647524	20.726	21.200
		Spiked Amount 20.000 Range 60 - 150 Recovery =					103.63%	106.00%
24)	SR	Decachlorobiphen	13.30	12.72	8297700	8584517	40.861	40.593
		Spiked Amount 20.000 Range 60 - 150 Recovery =					204.31%#	202.97%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	11386924	7308834	10.379	10.535
3)		alpha-BHC	7.33	6.85	7734114	4745586	10.629	10.751
4)	T	Hexachlorobenzen	7.41	6.71	5997203	3455010	10.012	10.335
5)	M	gamma-BHC (Linda	7.70	7.27	6980900	4230594	10.461	10.574
6)		beta-BHC	8.05	7.58	3105990	1674355	9.839	9.993
7)		delta-BHC	8.33	7.86	6200665	3751208	10.426	10.369
8)	M	Heptachlor	8.37	7.65	7554573	3902604	10.665	10.434
9)	M	Aldrin	8.79	7.96	6631428	3960606	10.194	10.387
10)		Heptachlor Epoxi	9.47	8.62	6350170	3800624	10.059	10.418
11)		gamma-Chlordane	9.92	8.96	6200330	3971518	10.158	10.412
12)		alpha-Chlordane	9.98	9.11	6240221	4002257	10.069	10.313
13)		Endosulfan I	10.01	9.16	5493617	3559239	10.164	10.260
14)		4,4'-DDE	10.26	9.49	10881069	7533899	20.645	21.254
15)	M	Dieldrin	10.34	9.58	10467674	7541073	20.646	21.295
16)	M	Endrin	10.61	9.98	8908316	6317360	20.569	21.177
17)		4,4'-DDD	10.89	10.26	7422034	5841166	19.942	21.191
18)		Endosulfan II	10.95	10.34	8434951	7141071	21.053	21.133
19)	M	4,4'-DDT	11.23	10.58	5481390	5155396	20.375	20.148
20)		Endrin Aldehyde	11.08	10.64	6481090	5240799	21.240	19.516
21)		Endosulfan Sulfa	11.41	10.88	5373942	6783614	19.106	20.714
22)		Methoxychlor	11.76	11.40	11005804	13606611	103.126	107.014
23)		Endrin Ketone	11.84	11.51	5885903	7636371	19.907	21.116

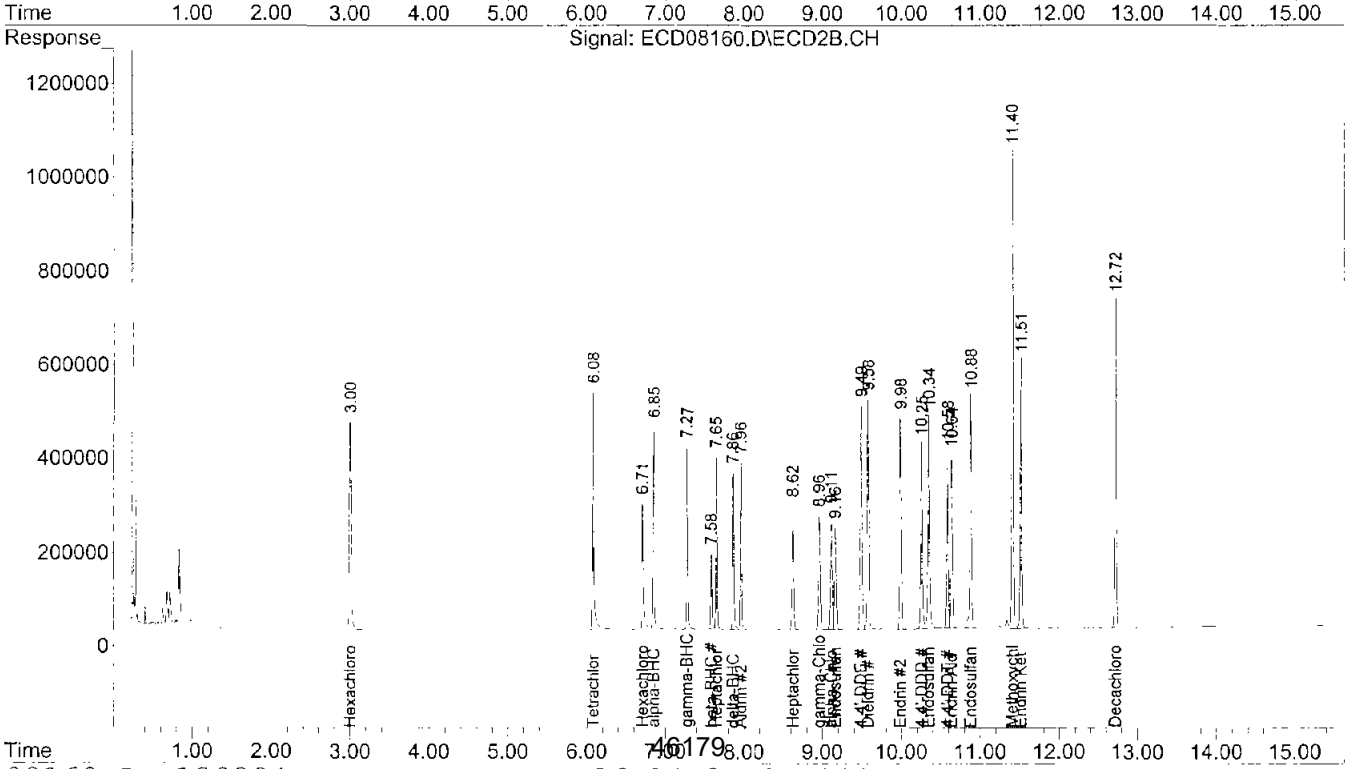
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : H:\DATA\120204\ECD08160.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120204\ECD08160.D\ECD2B.CH
Acq On : 12-2-2004 01:19:28 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:21 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





69010

Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\120204\ECD08160.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120204\ECD08160.D\ECD2B.CH
Acq On : 12-2-2004 01:19:28 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	10.000	10.379	-3.8	112	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	20.726	-3.6	112	0.00
3		alpha-BHC	10.000	10.629	-6.3	112	0.00
4	T	Hexachlorobenzene	10.000	10.012	-0.1	111	0.00
5	M	gamma-BHC (Lindane)	10.000	10.461	-4.6	112	0.00
6		beta-BHC	10.000	9.839	1.6	111	0.00
7		delta-BHC	10.000	10.426	-4.3	111	0.00
8	M	Heptachlor	10.000	10.665	-6.6	116	0.00
9	M	Aldrin	10.000	10.194	-1.9	112	0.00
10		Heptachlor Epoxide	10.000	10.059	-0.6	112	0.00
11		gamma-Chlordane	10.000	10.158	-1.6	112	0.00
12		alpha-Chlordane	10.000	10.069	-0.7	110	0.00
13		Endosulfan I	10.000	10.164	-1.6	114	0.00
14		4,4'-DDE	20.000	20.645	-3.2	113	0.00
15	M	Dieldrin	20.000	20.646	-3.2	112	0.00
16	M	Endrin	20.000	20.569	-2.8	114	0.00
17		4,4'-DDD	20.000	19.942	0.3	112	0.00
18		Endosulfan II	20.000	21.053	-5.3	110	0.00
19	M	4,4'-DDT	20.000	20.375	-1.9	117	0.00
20		Endrin Aldehyde	20.000	21.240	-6.2	109	0.00
21		Endosulfan Sulfate	20.000	19.106	4.5	111	0.00
22		Methoxychlor	100.000	103.126	-3.1	113	0.00
23		Endrin Ketone	20.000	19.907	0.5	111	0.00
24	SR	Decachlorobiphenyl (S)	40.000	40.861	-2.2	114	0.00

Signal #2

1	T	Hexachlorobutadiene	10.000	10.535	-5.4	116	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	21.200	-6.0	111	0.00
3		alpha-BHC	10.000	10.751	-7.5	113	0.00
4	T	Hexachlorobenzene	10.000	10.335	-3.4	111	0.00
5	M	gamma-BHC (Lindane)	10.000	10.574	-5.7	112	0.00
6		beta-BHC	10.000	9.993	0.1	106	0.00
7		delta-BHC	10.000	10.369	-3.7	112	0.00
8	M	Heptachlor	10.000	10.434	-4.3	111	0.00
9	M	Aldrin	10.000	10.387	-3.9	112	0.00
10		Heptachlor Epoxide	10.000	10.418	-4.2	113	0.00
11		gamma-Chlordane	10.000	10.412	-4.1	114	0.00
12		alpha-Chlordane	10.000	10.313	-3.1	114	0.00
13		Endosulfan I	10.000	10.260	-2.6	114	0.00
14		4,4'-DDE	20.000	21.254	-6.3	114	0.00
15	M	Dieldrin	20.000	21.295	-6.5	114	0.00
16	M	Endrin	20.000	21.177	-5.9	115	0.00
17		4,4'-DDD	20.000	21.191	-6.0	112	0.00
18		Endosulfan II	20.000	21.133	-5.7	110	0.00
19	M	4,4'-DDT	20.000	20.148	-0.7	116	0.00
20		Endrin Aldehyde	20.000	19.516	2.4	108	0.00
21		Endosulfan Sulfate	20.000	20.714	-3.6	112	0.00
22		Methoxychlor	100.000	107.014	-7.0	115	0.00
23		Endrin Ketone	20.000	21.116	-5.6	111	0.00
24	SR	Decachlorobiphenyl (S)	40.000	40.593	-1.5	113	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ECD08160.D 120204.M Mon Dec 06 14:21:50 2004 Page 1

01070

Evaluate Continuing Calibration Report - Not Found

Signal #1 : H:\DATA\120204\ECD08160.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120204\ECD08160.D\ECD2B.CH
Acq On : 12-2-2004 01:19:28 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ECD08160.D 120204.M Mon Dec 06 14:21:50 2004 Page 2

46183

01071

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08161.D\ECD1A.CH Vial: 10
Signal #2 : H:\DATA\120204\ECD08161.D\ECD2B.CH
Acq On : 12-2-2004 01:40:25 PM Operator: SJL/CRF
Sample : 500UG/ML TOXAPHENE STD Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:21:56 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					0.00%#	0.00%#	
24)	SR	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					0.00%#	0.00%#	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.	
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
9)	M	Aldrin	8.77	0.00	358247	0	0.551	N.D.	#
10)		Heptachlor Epoxi	9.44f	8.64	972976	311856	1.541	0.855	#
11)		gamma-Chlordane	9.90	0.00	961699	0	1.576	N.D.	#
12)		alpha-Chlordane	0.00	9.05f	0	784161	N.D.	2.021	#
13)		Endosulfan I	10.02	0.00	966208	0	1.788	N.D.	#
14)		4,4'-DDE	10.24	9.52f	1020523	1371092	1.936	3.868	#
15)	M	Dieldrin	10.34	9.59	2731403	2032741	5.387	5.740	
16)	M	Endrin	10.62	10.02f	8035052	629237	18.553	2.109	#
17)		4,4'-DDD	10.89	10.27	2347785	2748321	6.308	9.970	#
18)		Endosulfan II	10.95	10.37	5823185	8873932	13.875	26.611	#
19)	M	4,4'-DDT	11.25	10.62f	3019652	2429409	11.224	10.467	
20)		Endrin Aldehyde	11.05f	10.62	9051583	2429409	30.302	9.047	#
21)		Endosulfan Sulfa	11.40	10.90	8430586	3595738	29.974	10.980	#
22)		Methoxychlor	11.75	11.43	4616874	3575027	43.261	28.117	#
23)		Endrin Ketone	11.84	11.49	3735408	1088709	12.633	3.010	#

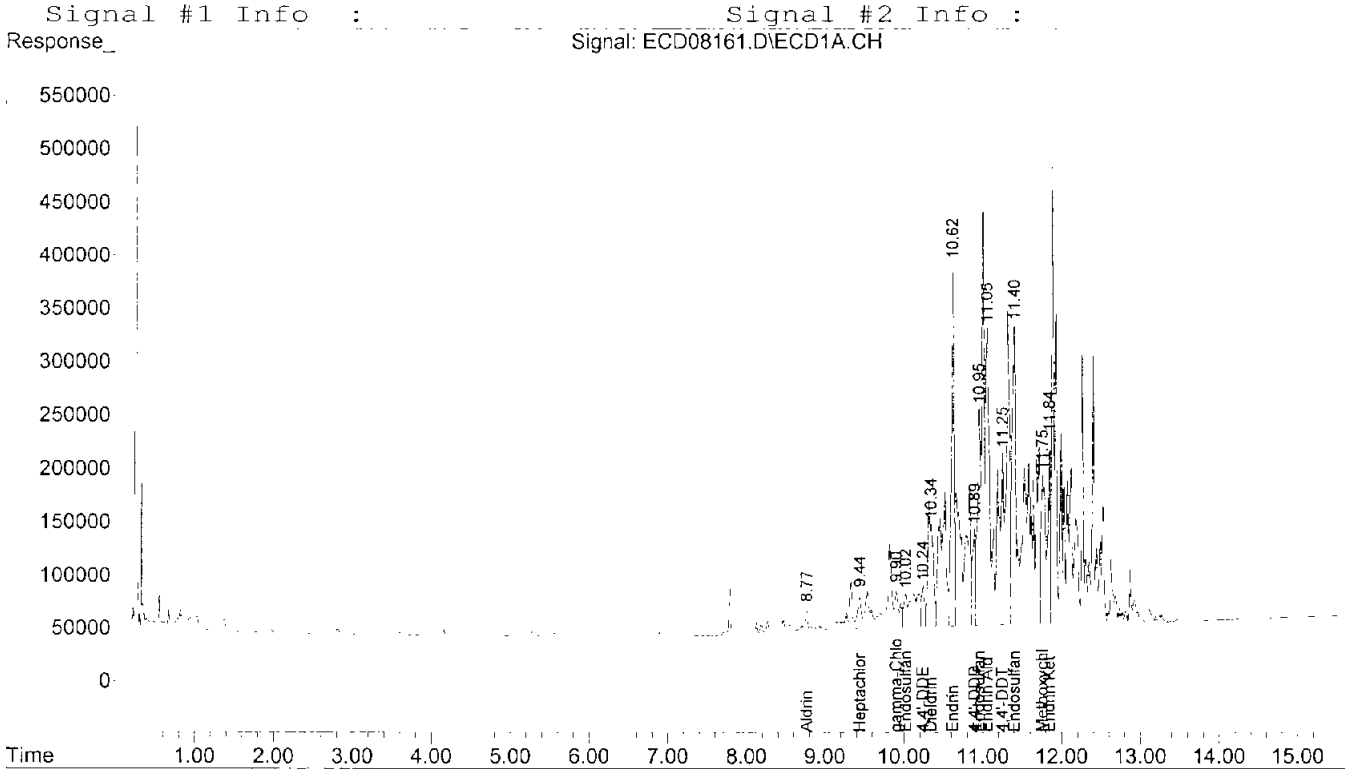
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

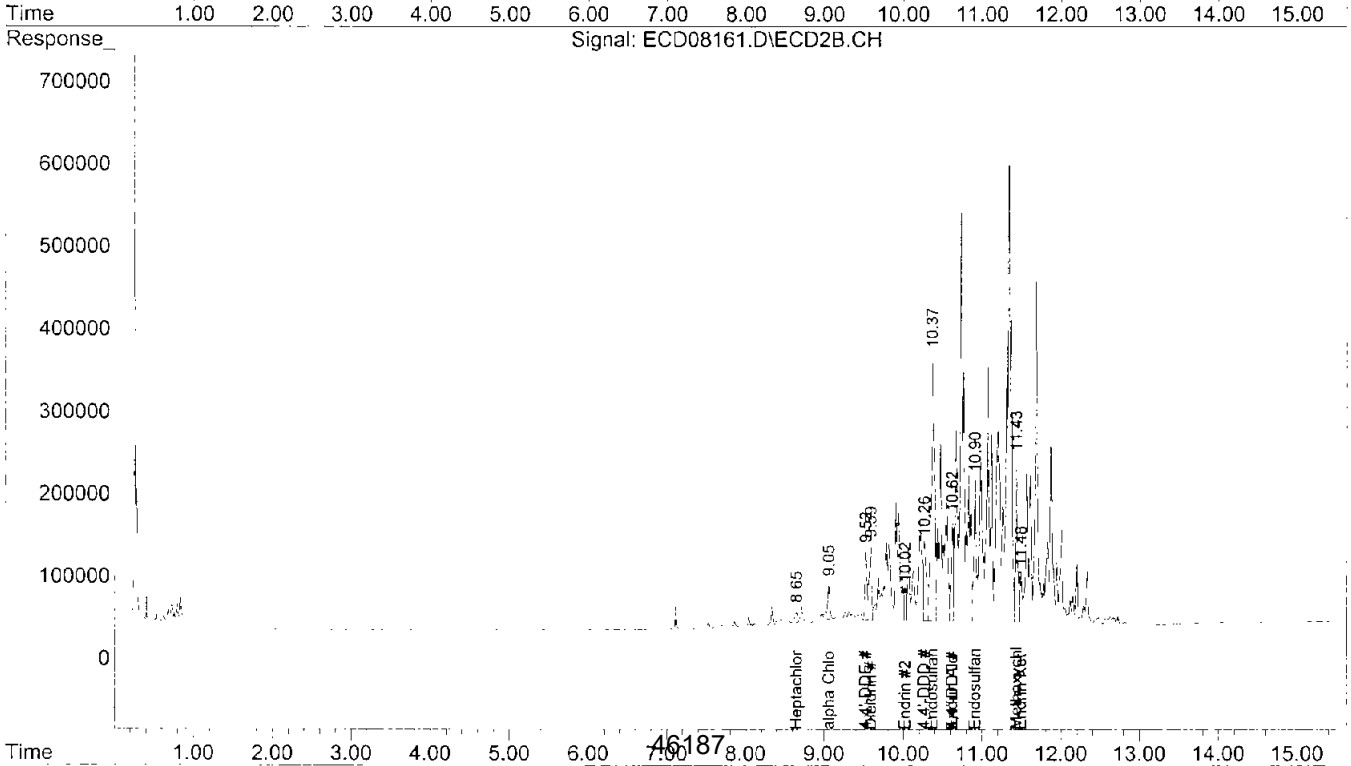
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08161.D\ECD1A.CH Vial: 10
Signal #2 : H:\DATA\120204\ECD08161.D\ECD2B.CH
Acq On : 12-2-2004 01:40:25 PM Operator: SJL/CRF
Sample : 500UG/ML TOXAPHENE STD Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:21 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08152.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\120204\ECD08152.D\ECD2B.CH
Acq On : 02 Dec 2004 10:32 am Operator: SJL/CRF
Sample : DDT/ENDRIN BREAKDOWN Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 06 14:22:23 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					0.00%#	0.00%#	
24)	SR	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					0.00%#	0.00%#	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.	
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	0.00	7.69f	0	209410	N.D.	0.560	#
9)	M	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
14)		4,4'-DDE	10.26	0.00	437156	0	0.829	N.D.	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	10.61	9.99	40674445	31284442	93.918	104.870	
17)		4,4'-DDD	10.90	10.26	950122	264564	2.553	0.960	#
18)		Endosulfan II	10.98	10.36	747746	585261	N.D.	0.406	
19)	M	4,4'-DDT	11.23	10.58	24252768	28994204	90.151	104.813	
20)		Endrin Aldehyde	11.09	10.64	635423	909285	0.633	3.386	#
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.78	11.37f	339779	289334	3.184	2.276	#
23)		Endrin Ketone	11.83	11.51	861756	983691	2.915	2.720	

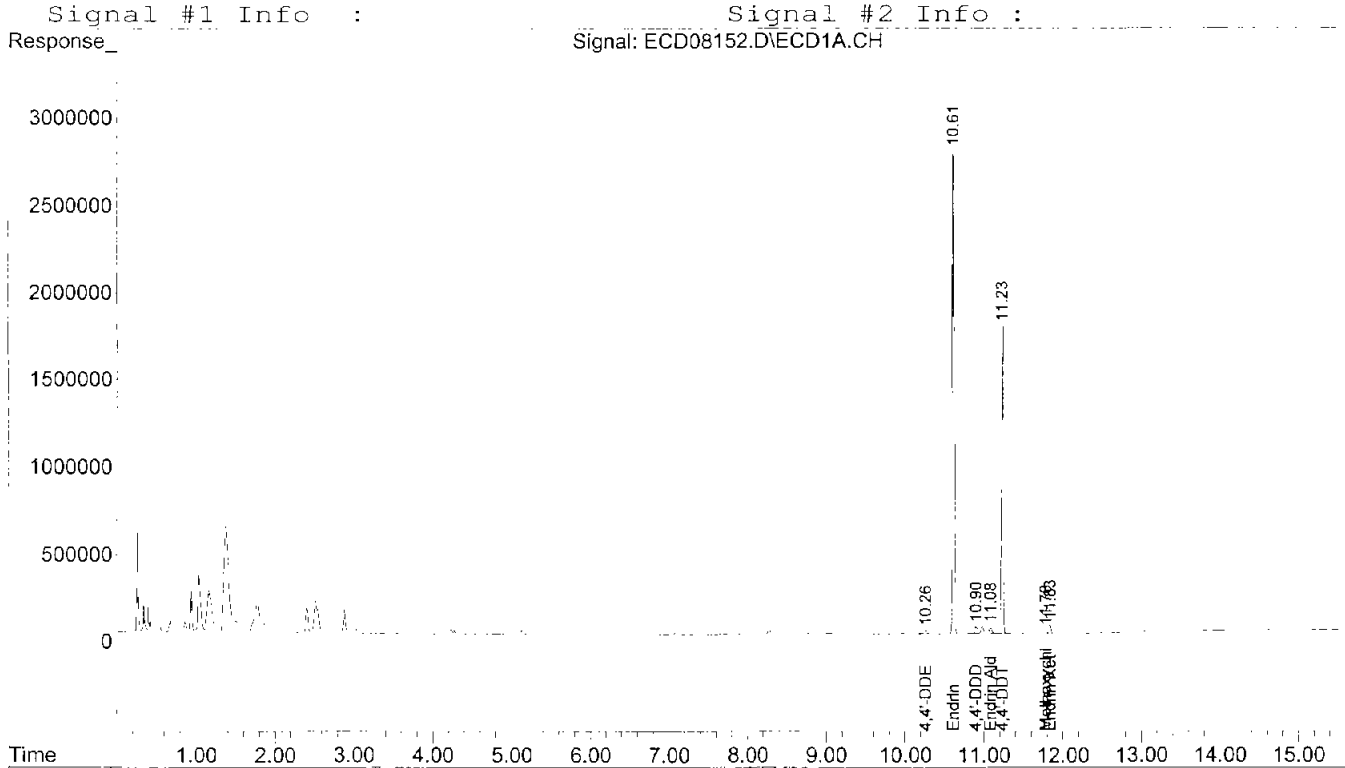
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

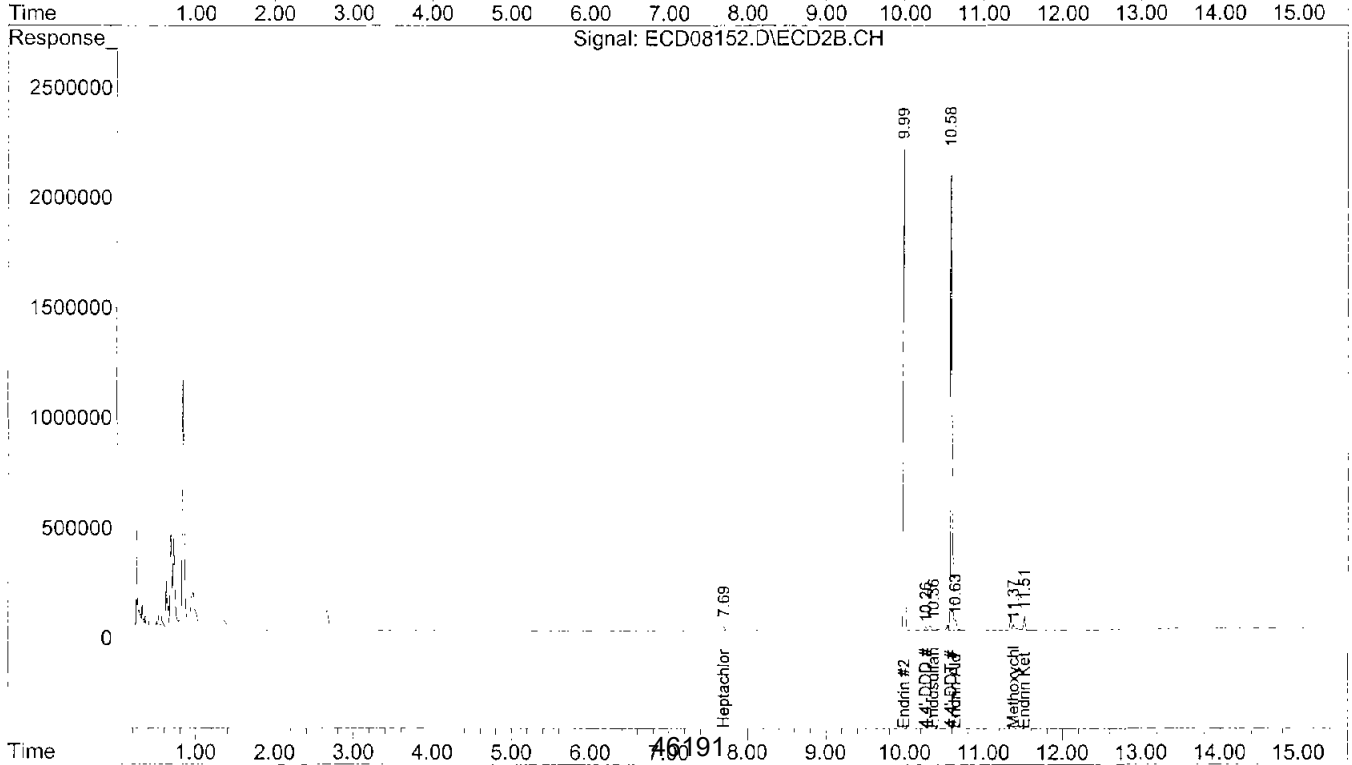
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120204\ECD08152.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\120204\ECD08152.D\ECD2B.CH
Acq On : 02 Dec 2004 10:32 am Operator: SJL/CRF
Sample : DDT/ENDRIN BREAKDOWN Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 6 14:22 2004 Quant Results File: 120204.RES

Quant Method : H:\METHODS\120204.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Mon Dec 06 14:18:31 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Custom Report - DDT/Endrin Breakdown Evaluation

Sample Name DDT/ENDRIN BREAKDOWN

Data File Name H:\DATA\120204\ECD08152.D
Date Acquired 02 Dec 2004 10:32 am

Compound Name	RT #1	RT #2	Resp. #1	Resp. #2	Amt. #1	Amt. #2	% Breakdown Column #1	% Breakdown Column #2
Endrin	10.61	9.99	40674445	31284442	93.92	104.87	**3.55%**	**5.71%**
Endrin Aldehyde	11.09	10.64	635423	909285	0.63	3.39		
Endrin Ketone	11.83	11.51	861756	983691	2.91	2.72		
4,4'-DDT	11.23	10.58	24252768	28994204	90.15	104.81	**5.41%**	**0.90%**
4,4'-DDE	10.26	0.00	437156	0	0.83	0.00		
4,4'-DDD	10.90	10.26	950122	264564	2.55	0.96		

Response Factor Report Agilent E

Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004

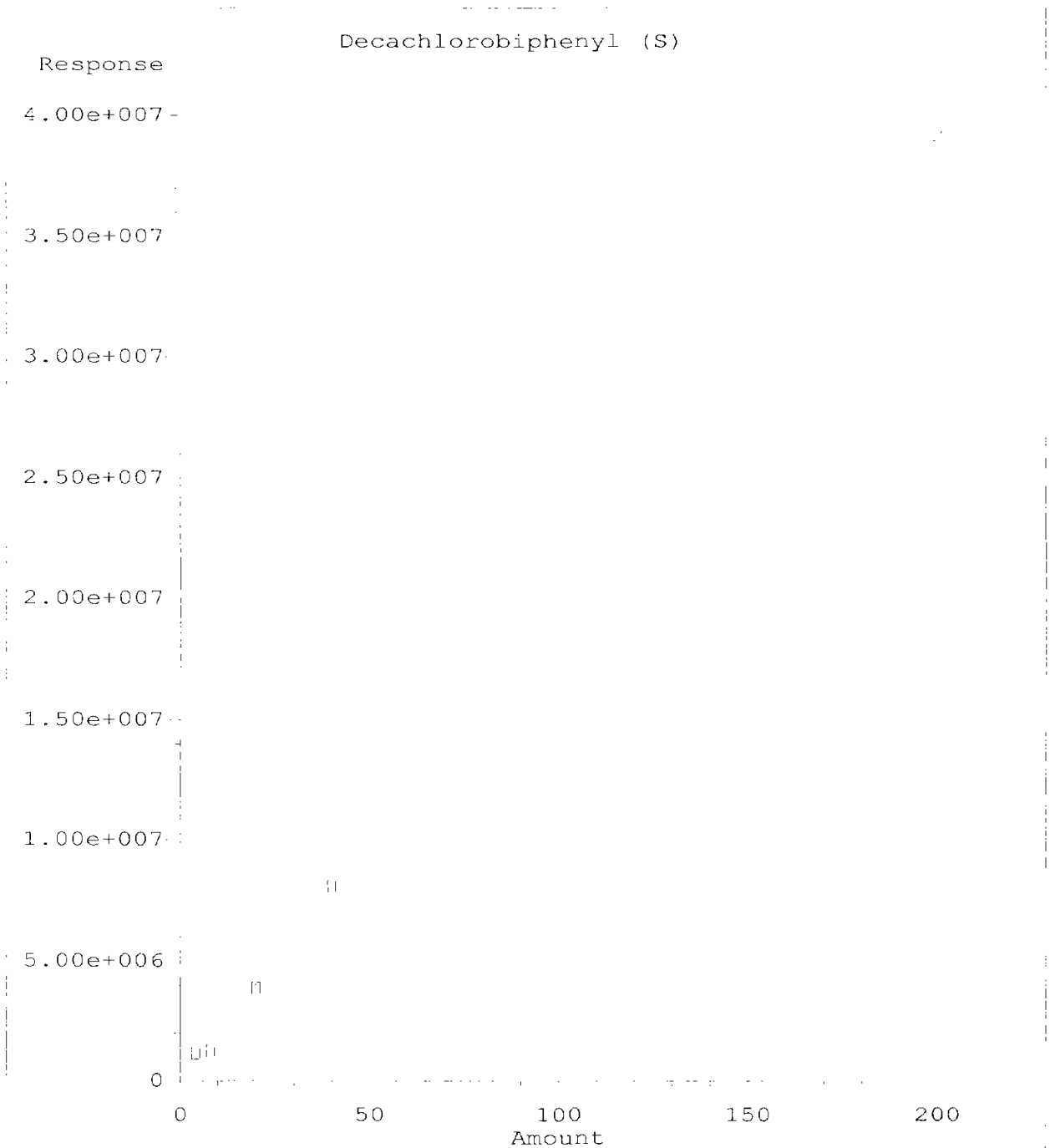
Calibration Files
1 =ECD08348.D 2 =ECD08349.D 5 =ECD08350.D
10 =ECD08351.D 20 =ECD08352.D 50 =ECD08353.D

		Compound	1	2	5	10	20	50	Avg		%RSD
1)	T	Hexachlorobutadi	1.124	1.036	1.056	1.070	1.061	1.048	1.066	E6	2.89
2)	SR	Tetrachloro-m-xy	5.549	4.983	5.317	5.387	5.237	5.117	5.265	E5	3.80
3)		alpha-BHC	6.523	6.058	6.832	7.343	7.472	7.556	6.964	E5	8.58
4)	T	Hexachlorobenzen	6.692	5.830	5.797	5.782	5.463	5.371	5.823	E5	8.02
5)	M	gamma-BHC (Linda	6.371	5.548	6.114	6.623	6.665	6.643	6.328	E5	6.91
6)		beta-BHC	3.138	2.657	2.914	2.976	2.816	2.666	2.861	E5	6.53
7)		delta-BHC	5.342	4.295	5.164	5.650	5.744	5.723	5.320	E5	10.39
8)	M	Heptachlor	5.850	5.220	5.428	6.070	6.366	6.402	5.889	E5	8.27
9)	M	Aldrin	6.141	5.126	5.185	5.710	5.668	5.579	5.568	E5	6.72
10)		Heptachlor Epoxi	6.835	5.233	5.255	5.477	5.143	4.991	5.489	E5	12.36
11)		gamma-Chlordane	6.285	4.490	4.783	5.050	4.830	4.685	5.021	E5	12.86
12)		alpha-Chlordane	5.964	4.686	4.825	5.121	4.852	4.654	5.017	E5	9.82
13)		Endosulfan I	4.806	3.851	4.218	4.382	4.263	4.010	4.255	E5	7.76
14)		4,4'-DDE	4.890	3.827	4.141	4.422	4.252	4.131	4.277	E5	8.36
15)	M	Dieldrin	4.619	3.721	3.948	4.215	4.090	3.875	4.078	E5	7.73
16)	M	Endrin	3.665	2.899	2.784	3.020	3.108	3.093	3.095	E5	9.86
17)		4,4'-DDD	2.799	2.084	2.219	2.292	2.260	2.348	2.334	E5	10.48
18)		Endosulfan II	2.904	2.248	2.434	2.433	2.390	2.372	2.464	E5	9.19
19)	M	4,4'-DDT	1.880	1.456	1.598	1.634	1.770	1.955	1.716	E5	10.91
20)		Endrin Aldehyde	2.463	1.843	2.101	1.997	1.905	1.855	2.027	E5	11.56
21)		Endosulfan Sulfa	2.635	2.149	2.572	2.487	2.416	2.368	2.438	E5	7.05
22)		Methoxychlor	1.058	0.914	1.198	1.189	1.198	1.203	1.127	E5	10.49
23)		Endrin Ketone	3.450	2.814	3.694	3.579	3.483	3.435	3.409	E5	9.02
24)	SR	Decachlorobiphen	2.882	1.566	1.933	2.018	1.984	1.958	2.057	E5	21.24

Signal #2 Calibration Files
1 =ECD08491.D 2 =ECD08492.D 5 =ECD08493.D
10 =ECD08494.D 20 =ECD08495.D 50 =ECD08496.D

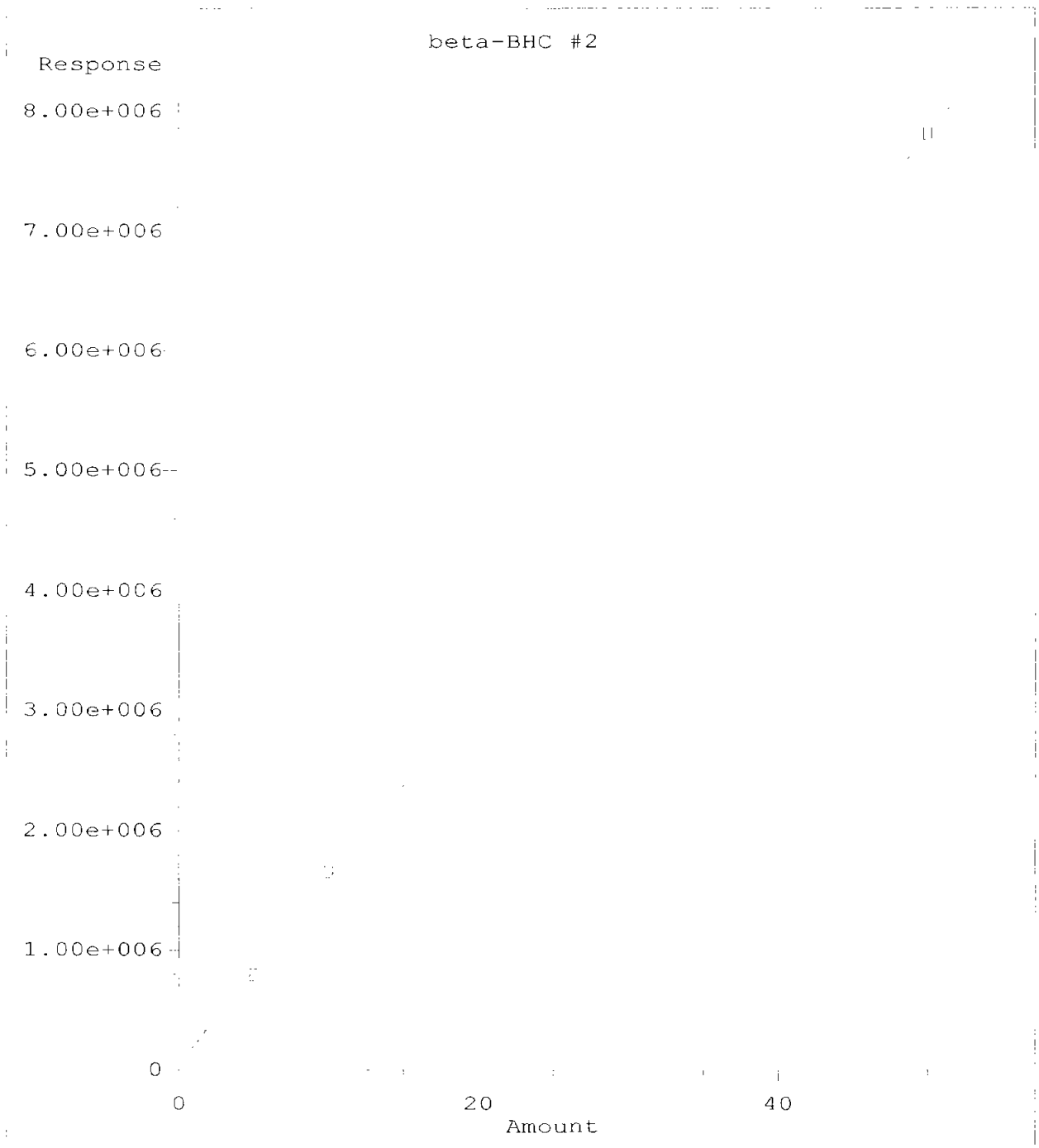
		Compound	1	2	5	10	20	50	Avg		%RSD
1)	T	Hexachlorobutadi	7.061	6.482	6.520	6.522	6.696	6.642	6.654	E5	3.24
2)	SR	Tetrachloro-m-xy	3.095	2.840	3.027	3.162	3.038	3.117	3.046	E5	3.71
3)		alpha-BHC	4.118	3.699	4.218	4.493	4.597	4.730	4.309	E5	8.75
4)	T	Hexachlorobenzen	3.389	3.089	3.253	3.249	3.162	3.127	3.212	E5	3.40
5)	M	gamma-BHC (Linda	5.103	3.907	3.966	4.074	4.106	4.166	4.220	E5	10.48
6)		beta-BHC	2.415	1.420	1.580	1.657	1.580	1.562	1.702	E5	20.99
7)		delta-BHC	3.478	2.852	3.359	3.471	3.395	3.709	3.377	E5	8.43
8)	M	Heptachlor	3.439	3.041	3.281	3.648	3.806	3.913	3.521	E5	9.38
9)	M	Aldrin	3.809	3.223	3.317	3.565	3.605	3.670	3.532	E5	6.25
10)		Heptachlor Epoxi	3.798	3.183	3.538	3.634	3.618	3.537	3.551	E5	5.75
11)		gamma-Chlordane	4.072	3.327	3.691	3.795	3.809	3.824	3.753	E5	6.50
12)		alpha-Chlordane	4.211	3.329	3.669	3.713	3.601	3.707	3.705	E5	7.73
13)		Endosulfan I	3.787	3.082	3.384	3.425	3.282	3.335	3.382	E5	6.84
14)		4,4'-DDE	3.477	2.816	3.450	3.646	3.708	3.719	3.469	E5	9.80
15)	M	Dieldrin	3.446	2.871	3.411	3.584	3.582	3.504	3.400	E5	7.89
16)	M	Endrin	3.199	2.674	3.048	3.135	3.152	3.110	3.053	E5	6.29
17)		4,4'-DDD	2.426	1.934	2.524	2.697	2.730	2.769	2.513	E5	12.46
18)		Endosulfan II	3.256	2.691	3.160	3.182	3.098	3.036	3.071	E5	6.52
19)	M	4,4'-DDT	2.552	1.898	2.281	2.449	2.569	2.714	2.410	E5	11.99
20)		Endrin Aldehyde	3.498	2.334	2.573	2.530	2.408	2.352	2.616	E5	16.92
21)		Endosulfan Sulfa	3.184	2.599	3.189	3.188	3.160	3.152	3.079	E5	7.65
22)		Methoxychlor	1.280	1.173	1.281	1.278	1.244	1.252	1.251	E5	3.32
23)		Endrin Ketone	3.856	3.505	3.604	3.673	3.561	3.408	3.601	E5	4.27
24)	SR	Decachlorobiphen	2.141	1.736	2.058	2.076	2.018	1.942	1.995	E5	7.17

(#) = Out of Range



Response = 1.95e+005 * Amt + 1.41e+005
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a)

Method Name: H:\METHODS\120904.M
Calibration Table Last Updated: Fri Dec 10 18:02:52 2004



Response = 1.55e+005 * Amt + 4.85e+004
Coef of Det (r^2) = 0.997 Curve Fit: wlr(1/a)

Method Name: H:\METHODS\120904.M
Calibration Table Last Updated: Fri Dec 10 18:02:52 2004

01079

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08348.D\ECD1A.CH Vial: 3
Signal #2 : H:\DATA\120904\ECD08348.D\ECD2B.CH
Acq On : 12-9-2004 04:25:48 PM Operator: SJL/CRF
Sample : 1.0ug/l 8081 std 1174-25-02 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07:03 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.87	6.11	1109709	619042	2.108	2.032
		Spiked Amount 20.000 Range 60 - 150 Recovery =					10.54%#	10.16%#
24)	SR	Decachlorobiphen	13.32	12.74	1152891	856458	5.197	4.293
		Spiked Amount 20.000 Range 60 - 150 Recovery =					25.99%#	21.47%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.83	3.03	1124292	706056	1.055	1.061
3)		alpha-BHC	7.36	6.88	652307	411773	0.937	0.956
4)	T	Hexachlorobenzen	7.44	6.74	669155	338938	1.149	1.055
5)	M	gamma-BHC (Linda	7.73	7.30	637111	510287	1.007	1.209
6)		beta-BHC	8.08	7.61	313848	241467	1.097	1.244
7)		delta-BHC	8.36	7.88	534220	347765	1.004	1.030
8)	M	Heptachlor	8.40	7.67	585042	343853	0.993	0.977
9)	M	Aldrin	8.83	7.99	614071	380908	1.103	1.079
10)		Heptachlor Epoxi	9.51	8.65	683526	379789	1.245	1.069
11)		gamma-Chlordane	9.96	9.00	628498	407226	1.252	1.085
12)		alpha-Chlordane	10.02	9.15	596387	421130	1.189	1.137
13)		Endosulfan I	10.04	9.20	480629	378660	1.130	1.120
14)		4,4'-DDE	10.29	9.52	977971	695448	2.286	2.004
15)	M	Dieldrin	10.37	9.61	923722	689288	2.265	2.028
16)	M	Endrin	10.64	10.02	732919	639732	2.368	2.095
17)		4,4'-DDD	10.92	10.28	559759	485139	2.399	1.930
18)		Endosulfan II	10.98	10.37	580875	651222	2.358	2.121
19)	M	4,4'-DDT	11.26	10.61	375971	510377	2.191	2.117
20)		Endrin Aldehyde	11.11	10.67	492522	699560	2.430	2.675
21)		Endosulfan Sulfa	11.44	10.91	526930	636829	2.162	2.069
22)		Methoxychlor	11.78	11.43	1057942	1279546	9.389	10.226
23)		Endrin Ketone	11.86	11.54	690008	771134	2.024	2.141

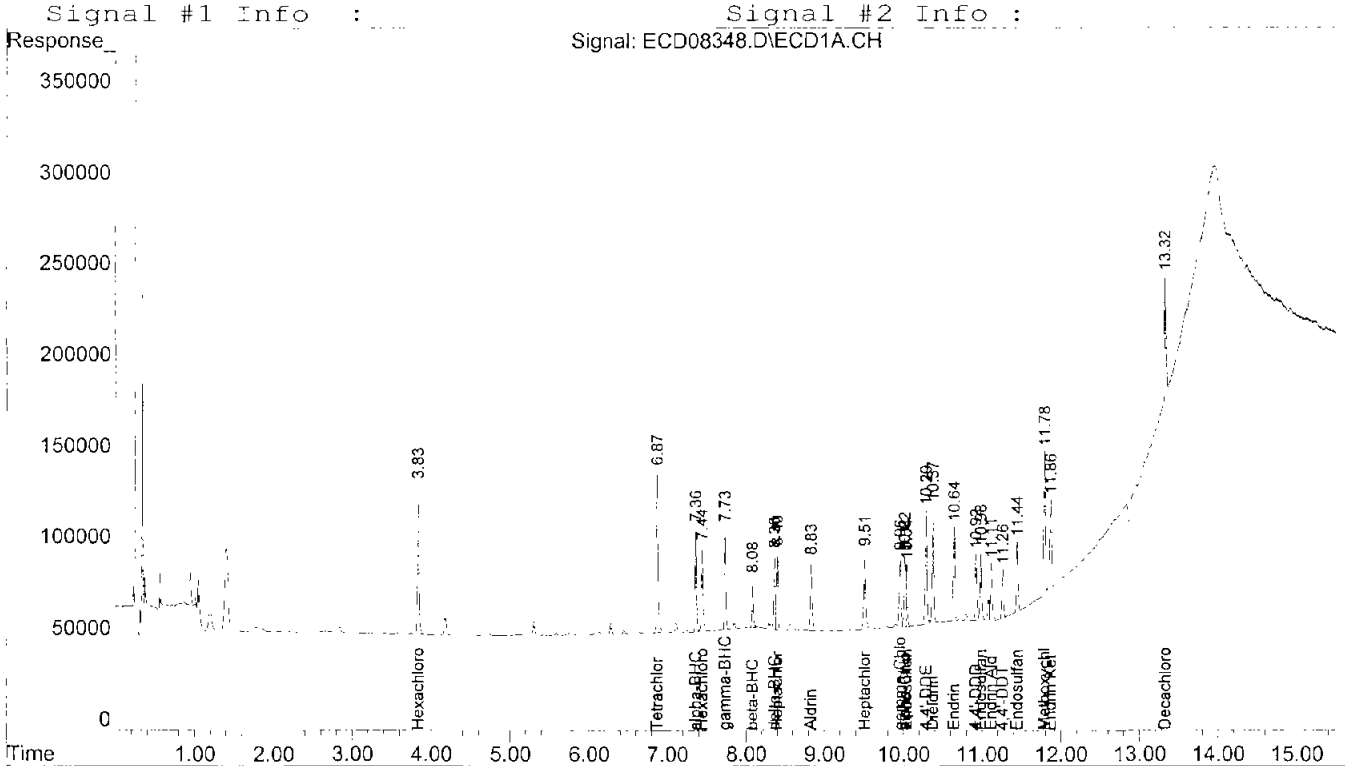
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

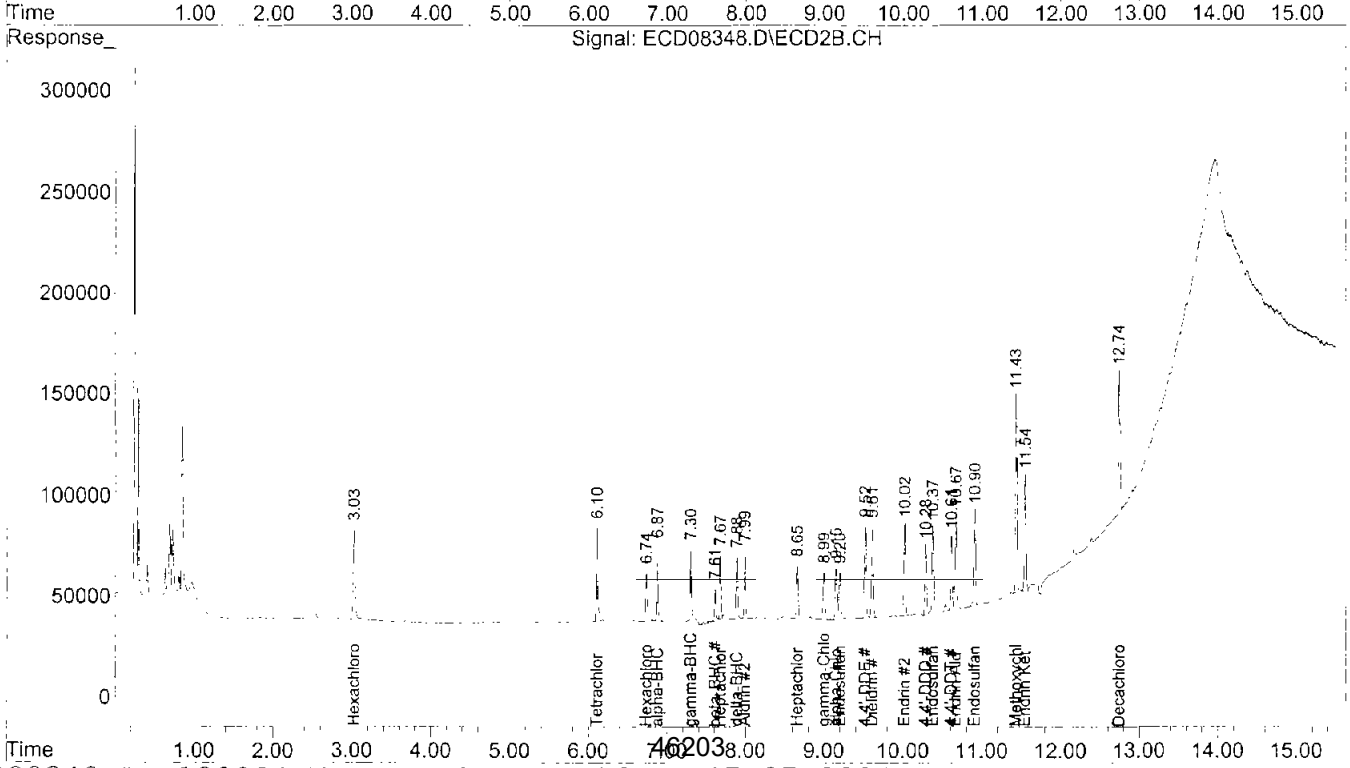
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08348.D\ECD1A.CH Vial: 3
Signal #2 : H:\DATA\120904\ECD08348.D\ECD2B.CH
Acq On : 12-9-2004 04:25:48 PM Operator: SJL/CRF
Sample : 1.0ug/l 8081 std 1174-25-02 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46203

01081

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08349.D\ECD1A.CH Vial: 4
Signal #2 : H:\DATA\120904\ECD08349.D\ECD2B.CH
Acq On : 12-9-2004 04:46:38 PM Operator: SJL/CRF
Sample : 2.0ug/l 8081 std 1174-25-03 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07:12 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.87	6.11	1993034	1135865	3.786	3.728
		Spiked Amount 20.000 Range 60 - 150 Recovery =					18.93%#	18.64%#
24)	SR	Decachlorobiphen	13.32	12.74	1252609	1388519	5.709	6.960
		Spiked Amount 20.000 Range 60 - 150 Recovery =					28.54%#	34.80%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.83	3.03	2072098	1296396	1.944	1.948
3)		alpha-BHC	7.36	6.88	1211673	739827	1.740	1.717
4)	T	Hexachlorobenzen	7.44	6.74	1166004	617744	2.003	1.924
5)	M	gamma-BHC (Linda	7.73	7.30	1109698	781397	1.754	1.851
6)		beta-BHC	8.08	7.61	531482	284029	1.858	1.518
7)		delta-BHC	8.37	7.88	859003	570308	1.615	1.689
8)	M	Heptachlor	8.40	7.67	1044053	608202	1.773	1.727
9)	M	Aldrin	8.83	7.99	1025212	644651	1.841	1.825
10)		Heptachlor Epoxi	9.51	8.65	1046677	636604	1.907	1.793
11)		gamma-Chlordane	9.96	9.00	898056	665436	1.789	1.773
12)		alpha-Chlordane	10.02	9.15	937245	665708	1.868	1.797
13)		Endosulfan I	10.04	9.20	770223	616337	1.810	1.822
14)		4,4'-DDE	10.29	9.52	1530808	1126349	3.579	3.246
15)	M	Dieldrin	10.37	9.61	1488356	1148359	3.650	3.378
16)	M	Endrin	10.64	10.02	1159533	1069663	3.747	3.504
17)		4,4'-DDD	10.92	10.28	833544	773423	3.572	3.077
18)		Endosulfan II	10.98	10.37	899048	1076536	3.649	3.506
19)	M	4,4'-DDT	11.26	10.61	582389	759258	3.395	3.150
20)		Endrin Aldehyde	11.11	10.66	737014	933606	3.636	3.569
21)		Endosulfan Sulfa	11.44	10.91	859758	1039653	3.527	3.377
22)		Methoxychlor	11.79	11.43	1828349	2345209	16.226	18.743
23)		Endrin Ketone	11.86	11.54	1125459	1402020	3.301	3.894

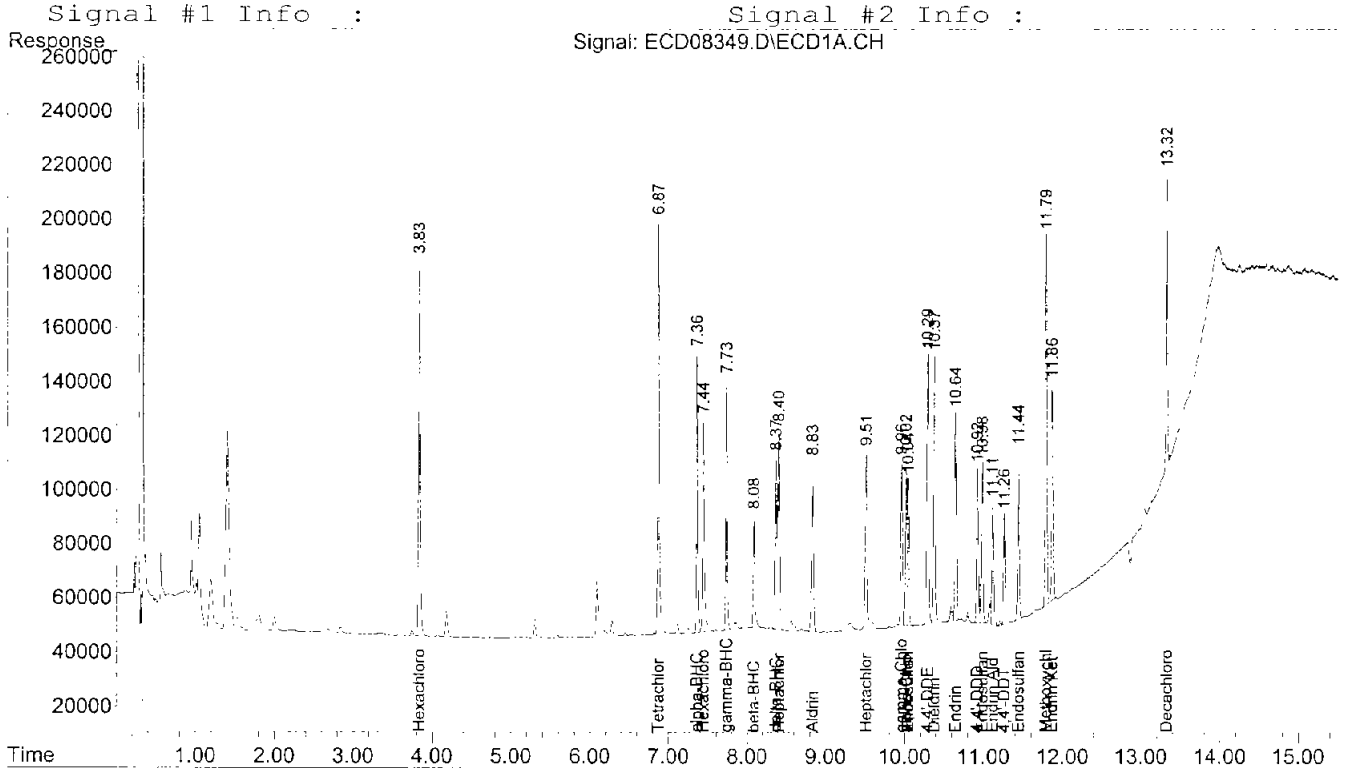
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

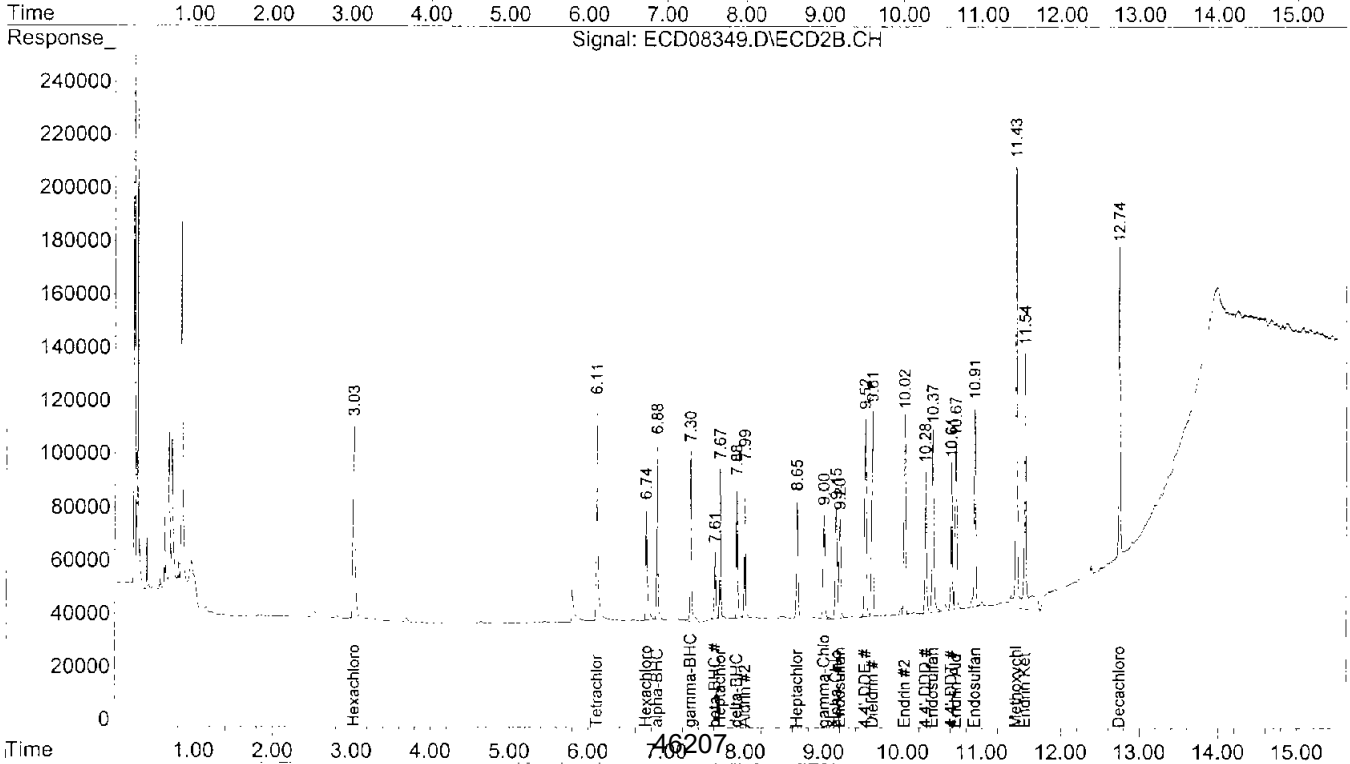
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08349.D\ECD1A.CH Vial: 4
Signal #2 : H:\DATA\120904\ECD08349.D\ECD2B.CH
Acq On : 12-9-2004 04:46:38 PM Operator: SJL/CRF
Sample : 2.0ug/l 8081 std 1174-25-03 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01083

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08350.D\ECD1A.CH Vial: 5
Signal #2 : H:\DATA\120904\ECD08350.D\ECD2B.CH
Acq On : 12-9-2004 05:07:40 PM Operator: SJL/CRF
Sample : 5.0ug/l 8081 std 1174-25-04 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07:22 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.87	6.11	5316532	3027315	10.098	9.937
		Spiked Amount 20.000 Range 60 - 150 Recovery =					50.49%#	49.68%#
24)	SR	Decachlorobiphen	13.32	12.74	3865482	4115174	19.129	20.627
		Spiked Amount 20.000 Range 60 - 150 Recovery =					95.64%	103.14%
		Target Compounds						
1)	T	Hexachlorobutadi	3.83	3.03	5278293	3259894	4.952	4.899
3)		alpha-BHC	7.36	6.88	3415781	2108792	4.905	4.894
4)	T	Hexachlorobenzen	7.44	6.74	2898604	1626411	4.978	5.064
5)	M	gamma-BHC (Linda	7.73	7.30	3057185	1983195	4.831	4.699
6)		beta-BHC	8.08	7.61	1457066	790237	5.092	4.781
7)		delta-BHC	8.37	7.88	2582145	1679338	4.854	4.973
8)	M	Heptachlor	8.40	7.67	2713951	1640424	4.608	4.659
9)	M	Aldrin	8.83	7.99	2592309	1658561	4.656	4.696
10)		Heptachlor Epoxi	9.51	8.66	2627393	1768815	4.787	4.981
11)		gamma-Chlordane	9.96	9.00	2391682	1845425	4.764	4.917
12)		alpha-Chlordane	10.02	9.15	2412341	1834401	4.808	4.951
13)		Endosulfan I	10.04	9.20	2108815	1692124	4.956	5.003
14)		4,4'-DDE	10.29	9.52	4141470	3449990	9.683	9.944
15)	M	Dieldrin	10.37	9.61	3948052	3411399	9.682	10.034
16)	M	Endrin	10.64	10.02	2784072	3048256	8.996	9.984
17)		4,4'-DDD	10.92	10.28	2219486	2523672	9.510	10.041
18)		Endosulfan II	10.98	10.37	2434274	3159651	9.881	10.290
19)	M	4,4'-DDT	11.26	10.61	1598321	2280724	9.316	9.462
20)		Endrin Aldehyde	11.11	10.66	2100686	2572519	10.363	9.835
21)		Endosulfan Sulfa	11.44	10.91	2571698	3188692	10.550	10.358
22)		Methoxychlor	11.79	11.43	5988974	6406064	53.152	51.197
23)		Endrin Ketone	11.87	11.54	3694489	3603721	10.837	10.008

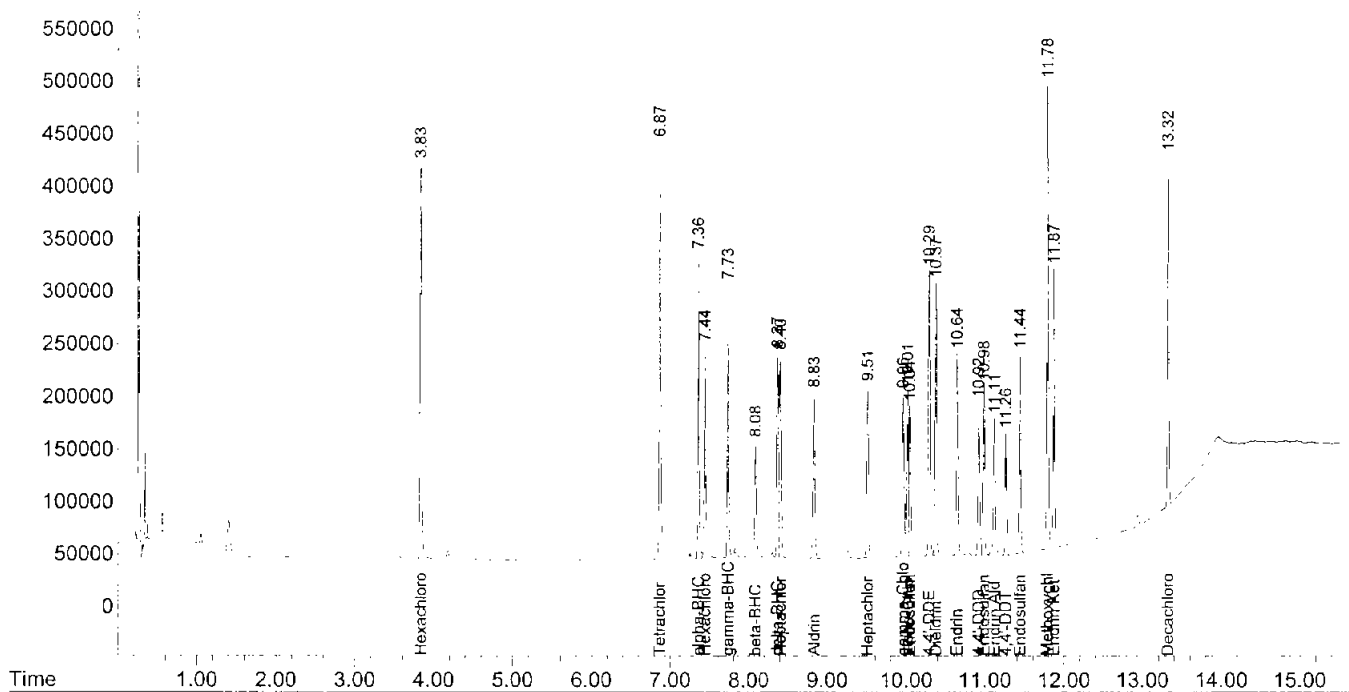
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08350.D\ECD1A.CH Vial: 5
Signal #2 : H:\DATA\120904\ECD08350.D\ECD2B.CH
Acq On : 12-9-2004 05:07:40 PM Operator: SJL/CRF
Sample : 5.0ug/l 8081 std 1174-25-04 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07 2004 Quant Results File: 120904.RES

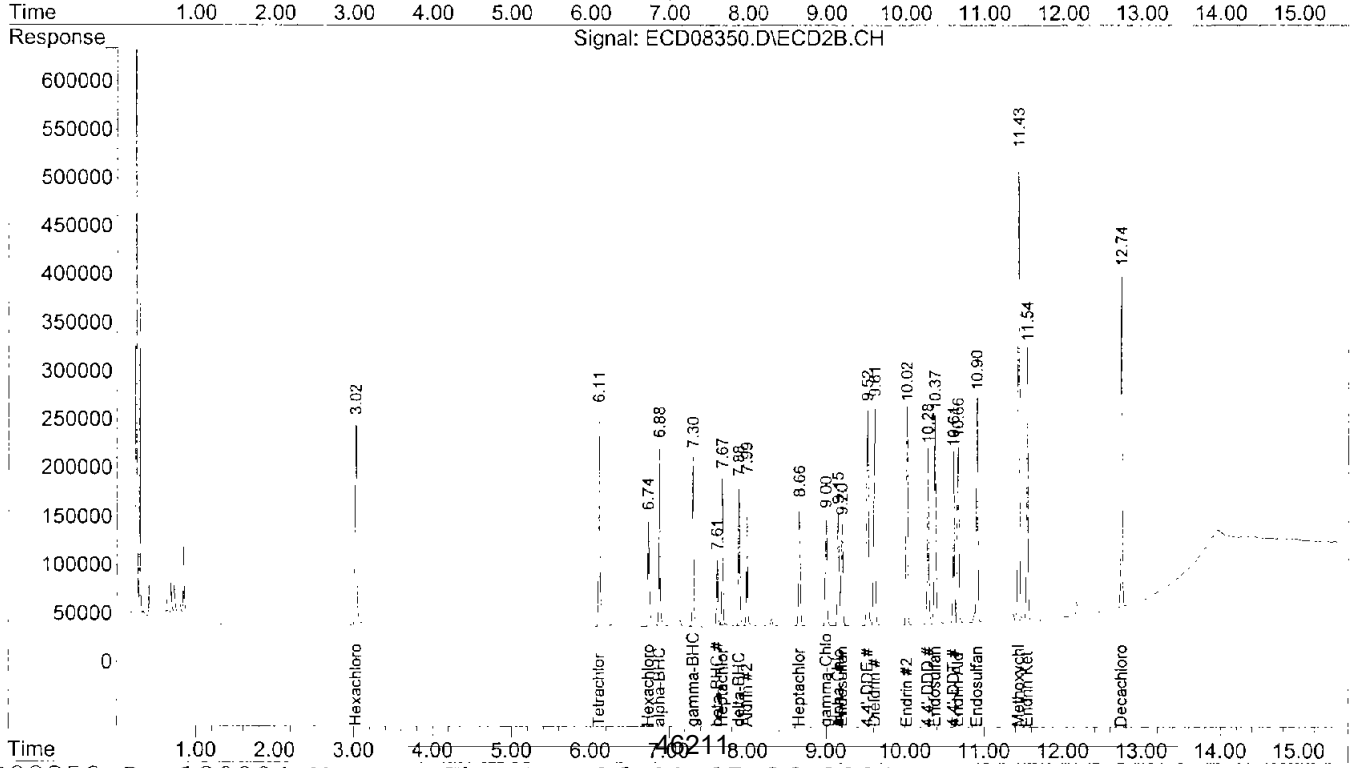
Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

Response_ Signal: ECD08350.D\ECD1A.CH



Response_ Signal: ECD08350.D\ECD2B.CH



Signal #1 : H:\DATA\120904\ECD08351.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\120904\ECD08351.D\ECD2B.CH
Acq On : 12-9-2004 05:28:30 PM Operator: SJL/CRF
Sample : 10ug/l 8081 std 1174-25-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07:31 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.87	6.11	10773385	6324705	20.463	20.761
		Spiked Amount 20.000 Range 60 - 150 Recovery =					102.32%	103.80%
24)	SR	Decachlorobiphen	13.32	12.74	8073797	8303328	40.742	41.620
		Spiked Amount 20.000 Range 60 - 150 Recovery =					203.71%#	208.10%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.83	3.03	10698850	6522443	10.037	9.803
3)		alpha-BHC	7.36	6.88	7343410	4493408	10.545	10.428
4)	T	Hexachlorobenzen	7.44	6.74	5782398	3249445	9.931	10.118
5)	M	gamma-BHC (Linda	7.73	7.30	6623495	4073548	10.468	9.652
6)		beta-BHC	8.08	7.61	2976047	1657398	10.401	10.371
7)		delta-BHC	8.37	7.88	5649950	3471114	10.621	10.279
8)	M	Heptachlor	8.40	7.67	6070312	3648109	10.307	10.360
9)	M	Aldrin	8.83	7.99	5710401	3565072	10.255	10.095
10)		Heptachlor Epoxi	9.51	8.66	5476825	3633635	9.978	10.232
11)		gamma-Chlordane	9.96	9.00	5050439	3794998	10.059	10.112
12)		alpha-Chlordane	10.02	9.15	5121481	3713134	10.208	10.022
13)		Endosulfan I	10.04	9.20	4382398	3424516	10.299	10.125
14)		4,4'-DDE	10.29	9.52	8843513	7291654	20.676	21.017
15)	M	Dieldrin	10.37	9.61	8430091	7167471	20.673	21.083
16)	M	Endrin	10.64	10.02	6040618	6270803	19.518	20.539
17)		4,4'-DDD	10.92	10.29	4584822	5394806	19.646	21.465
18)		Endosulfan II	10.98	10.38	4866522	6364955	19.753	20.729
19)	M	4,4'-DDT	11.26	10.61	3267440	4897120	19.046	20.317
20)		Endrin Aldehyde	11.11	10.67	3994383	5059803	19.705	19.345
21)		Endosulfan Sulfa	11.44	10.91	4974039	6375287	20.405	20.709
22)		Methoxychlor	11.79	11.43	11894158	12777737	105.560	102.119
23)		Endrin Ketone	11.87	11.54	7157663	7345620	20.996	20.399

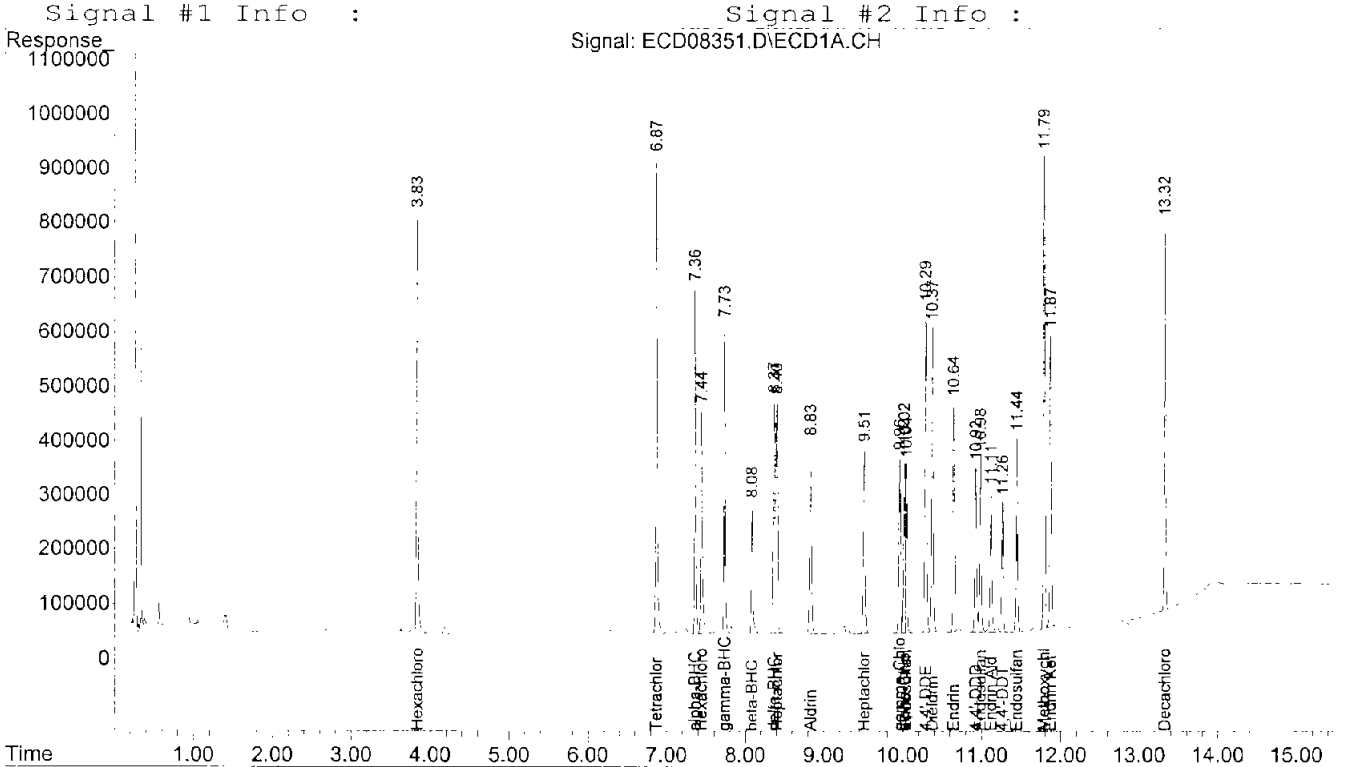
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

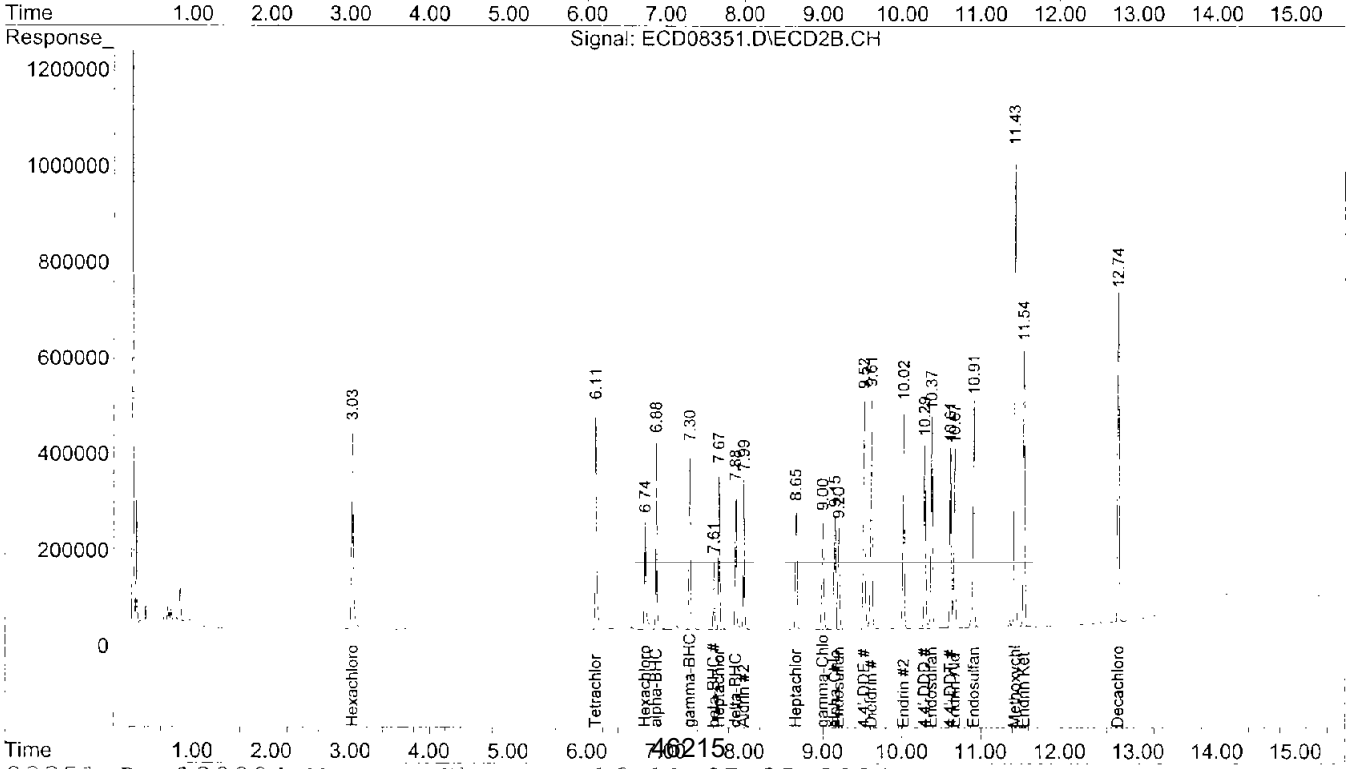
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08351.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\120904\ECD08351.D\ECD2B.CH
Acq On : 12-9-2004 05:28:30 PM Operator: SJL/CRF
Sample : 10ug/l 8081 std 1174-25-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01087

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08352.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120904\ECD08352.D\ECD2B.CH
Acq On : 12-9-2004 05:49:27 PM Operator: SJL/CRF
Sample : 20ug/l 8081 std 1174-25-06 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07:40 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.87	6.11	20947390	12150464	39.788	39.884
		Spiked Amount 20.000 Range 60 - 150 Recovery =					198.94%#	199.42%#
24)	SR	Decachlorobiphen	13.32	12.74	15870814	16140785	80.785	80.906
		Spiked Amount 20.000 Range 60 - 150 Recovery =					403.93%#	404.53%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.83	3.03	21223788	13392174	19.911	20.127
3)		alpha-BHC	7.36	6.88	14943072	9194303	21.458	21.337
4)	T	Hexachlorobenzen	7.44	6.74	10926526	6323017	18.766	19.689
5)	M	gamma-BHC (Linda	7.73	7.30	13330129	8212640	21.067	19.460
6)		beta-BHC	8.08	7.61	5631273	3159960	19.681	20.056
7)		delta-BHC	8.37	7.88	11488259	6789662	21.595	20.105
8)	M	Heptachlor	8.40	7.67	12731477	7612672	21.617	21.619
9)	M	Aldrin	8.83	7.99	11336610	7209434	20.359	20.414
10)		Heptachlor Epoxi	9.51	8.66	10286544	7236929	18.740	20.379
11)		gamma-Chlordane	9.96	9.00	9660964	7618322	19.242	20.299
12)		alpha-Chlordane	10.02	9.15	9704052	7201269	19.342	19.437
13)		Endosulfan I	10.04	9.20	8525912	6563740	20.037	19.406
14)		4,4'-DDE	10.29	9.52	17008838	14833559	39.766	42.755
15)	M	Dieldrin	10.37	9.61	16358123	14327102	40.115	42.142
16)	M	Endrin	10.64	10.02	12433898	12606761	40.175	41.292
17)		4,4'-DDD	10.92	10.29	9039879	10921278	38.735	43.453
18)		Endosulfan II	10.98	10.38	9561882	12390350	38.811	40.352
19)	M	4,4'-DDT	11.26	10.61	7081796	10277455	41.279	42.638
20)		Endrin Aldehyde	11.11	10.67	7618495	9631083	37.584	36.821
21)		Endosulfan Sulfa	11.44	10.91	9662177	12641146	39.637	41.062
22)		Methoxychlor	11.79	11.43	23964619	24884909	212.684	198.879
23)		Endrin Ketone	11.87	11.54	13930545	14243006	40.863	39.554

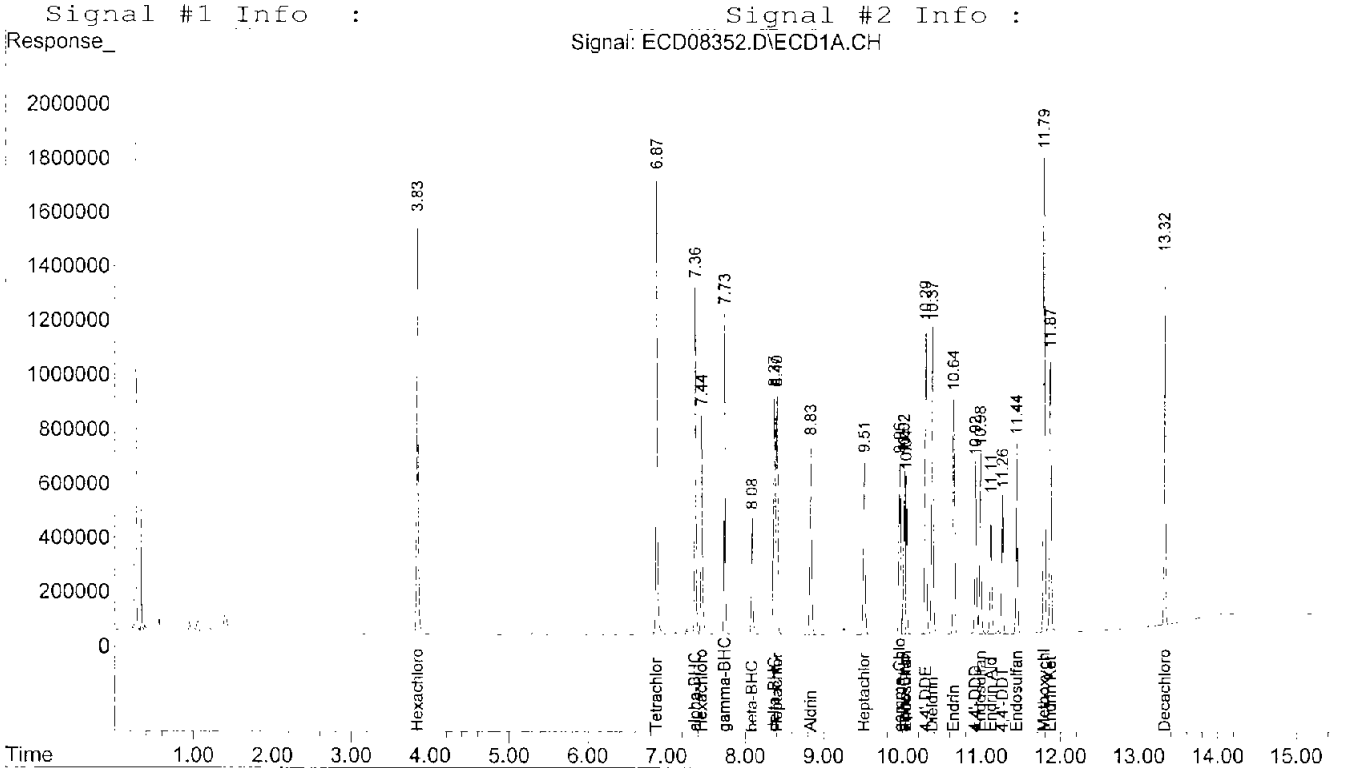
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

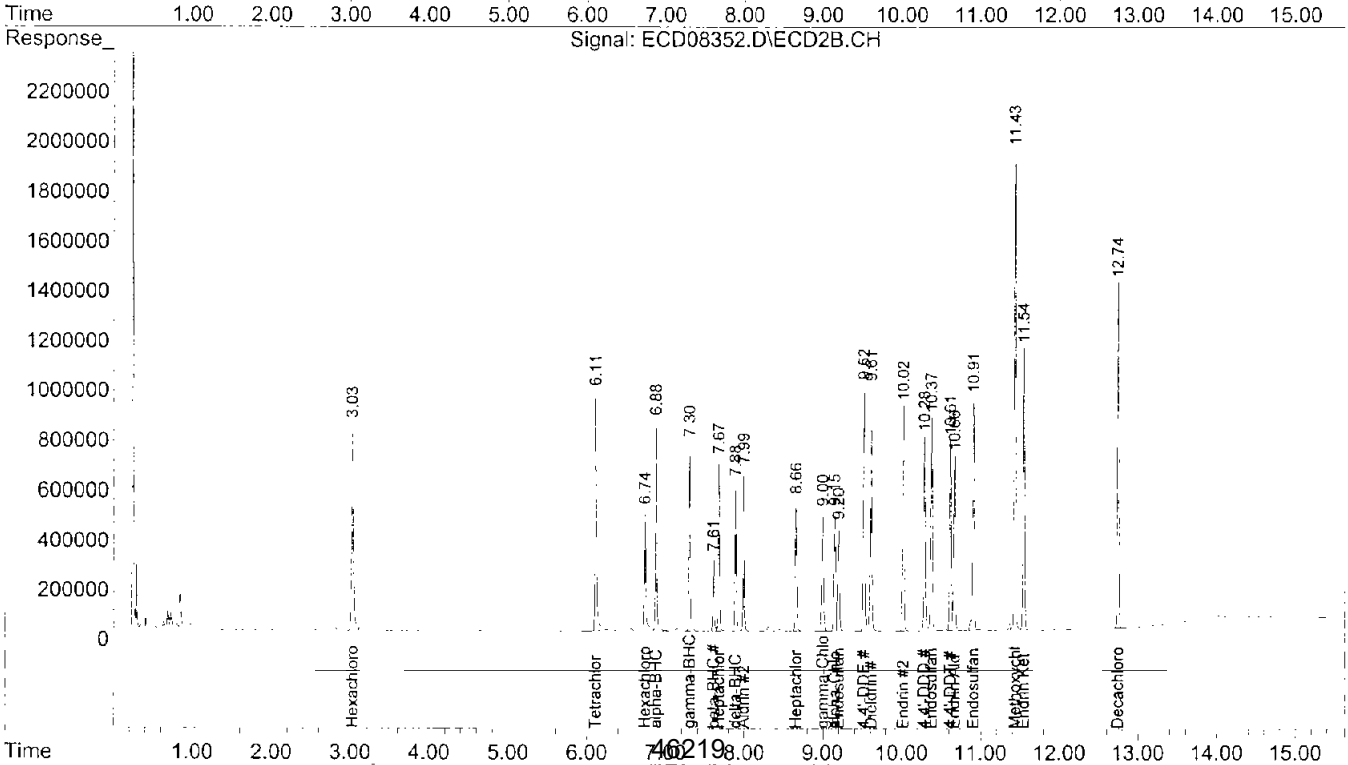
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08352.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120904\ECD08352.D\ECD2B.CH
Acq On : 12-9-2004 05:49:27 PM Operator: SJL/CRF
Sample : 20ug/l 8081 std 1174-25-06 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





460219
01089

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08353.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\120904\ECD08353.D\ECD2B.CH
Acq On : 12-9-2004 06:10:27 PM Operator: SJL/CRF
Sample : 50ug/l 8081 std 1174-25-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07:49 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.87	6.11	51170955	31165717	97.196	102.302
		Spiked Amount 20.000 Range 60 - 150 Recovery = 485.98%# 511.51%#						
24)	SR	Decachlorobiphen	13.32	12.74	39168501	38845336	200.437	194.712
		Spiked Amount 20.000 Range 60 - 150 Recovery = 1002.19%# 973.56%#						
		Target Compounds						
1)	T	Hexachlorobutadi	3.84	3.03	52421771	33208074	49.180	49.909
3)		alpha-BHC	7.36	6.88	37779054	23647708	54.249	54.879
4)	T	Hexachlorobenzen	7.44	6.74	26855967	15635918	46.124	48.687
5)	M	gamma-BHC (Linda	7.73	7.30	33215768	20830134	52.493	49.356
6)		beta-BHC	8.08	7.61	13329642	7809733	46.586	50.029
7)		delta-BHC	8.37	7.88	28614850	18542742	53.790	54.908
8)	M	Heptachlor	8.40	7.67	32010999	19563557	54.353	55.558
9)	M	Aldrin	8.83	7.99	27896668	18351055	50.100	51.963
10)		Heptachlor Epoxi	9.51	8.66	24955309	17682905	45.463	49.794
11)		gamma-Chlordane	9.96	9.00	23425843	19121567	46.658	50.948
12)		alpha-Chlordane	10.02	9.15	23270798	18535704	46.383	50.030
13)		Endosulfan I	10.04	9.20	20050095	16672582	47.121	49.295
14)		4,4'-DDE	10.29	9.52	41309383	37193157	96.580	107.202
15)	M	Dieldrin	10.38	9.61	38747380	35038465	95.020	103.064
16)	M	Endrin	10.64	10.02	30934376	31104526	99.951	101.878
17)		4,4'-DDD	10.92	10.29	23481085	27694405	100.614	110.189
18)		Endosulfan II	10.98	10.38	23722709	30361121	96.288	98.879
19)	M	4,4'-DDT	11.26	10.61	19552118	27137187	113.967	112.584
20)		Endrin Aldehyde	11.12	10.67	18548337	23516985	91.503	89.910
21)		Endosulfan Sulfa	11.44	10.91	23678421	31515069	97.135	102.369
22)		Methoxychlor	11.79	11.43	60152821	62608263	533.852	500.363
23)		Endrin Ketone	11.87	11.54	34350262	34075067	100.760	94.629

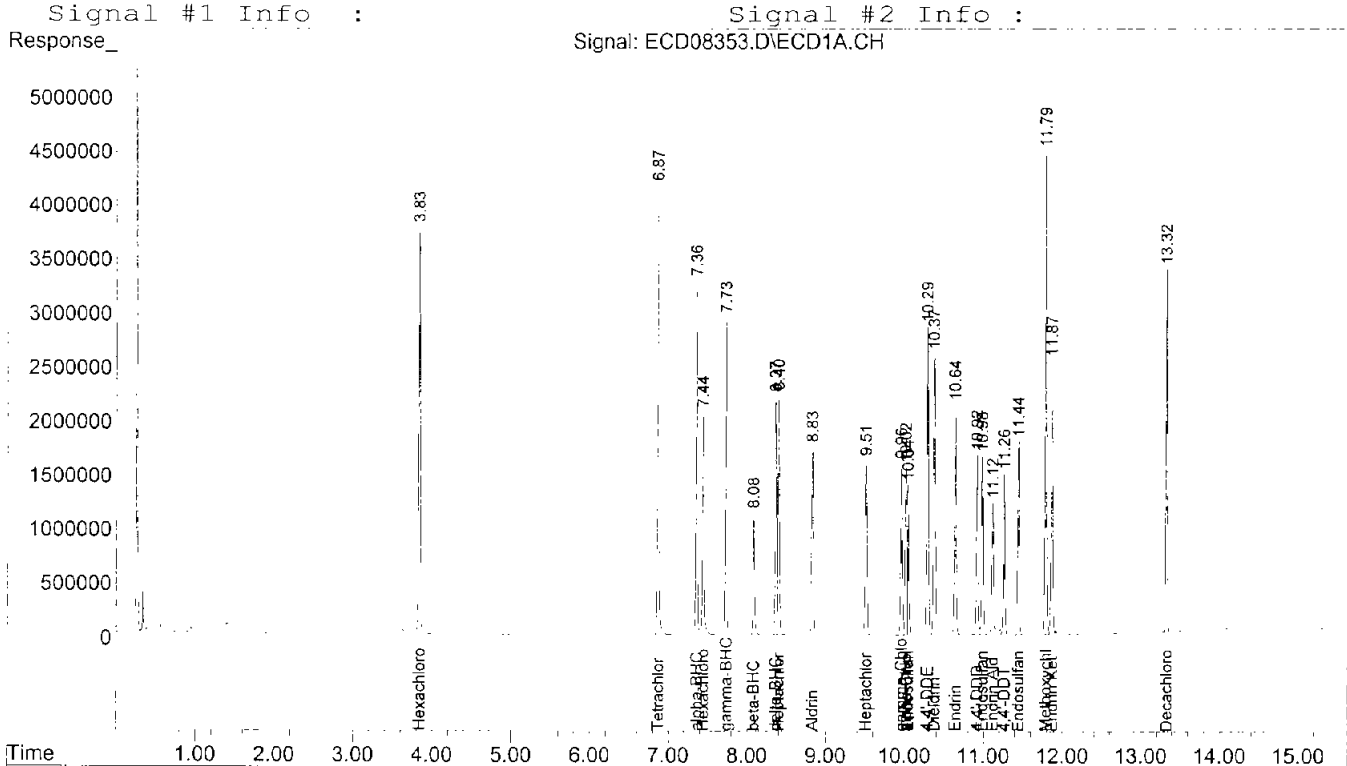
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

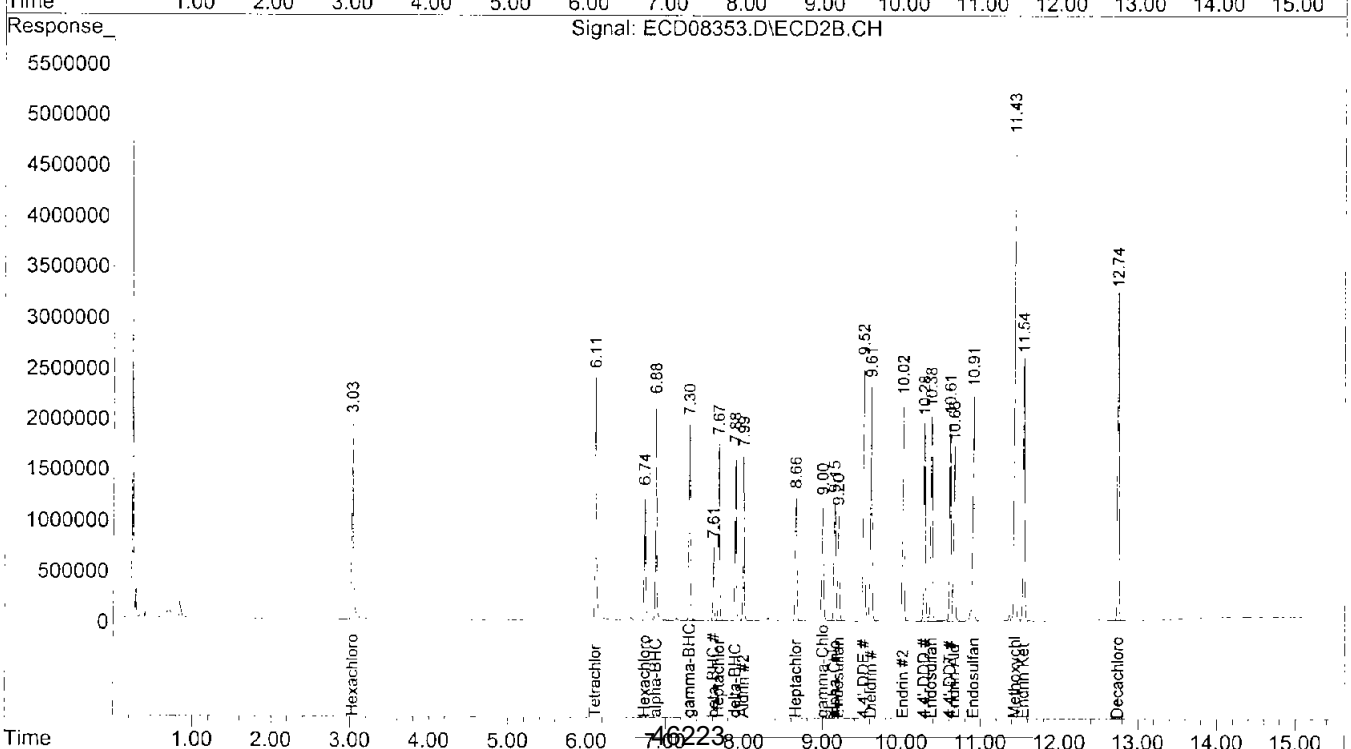
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08353.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\120904\ECD08353.D\ECD2B.CH
Acq On : 12-9-2004 06:10:27 PM Operator: SJL/CRF
Sample : 50ug/l 8081 std 1174-25-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46223

01091

Signal #1 : H:\DATA\120904\ECD08354.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120904\ECD08354.D\ECD2B.CH
Acq On : 12-9-2004 06:31:19 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:07:59 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

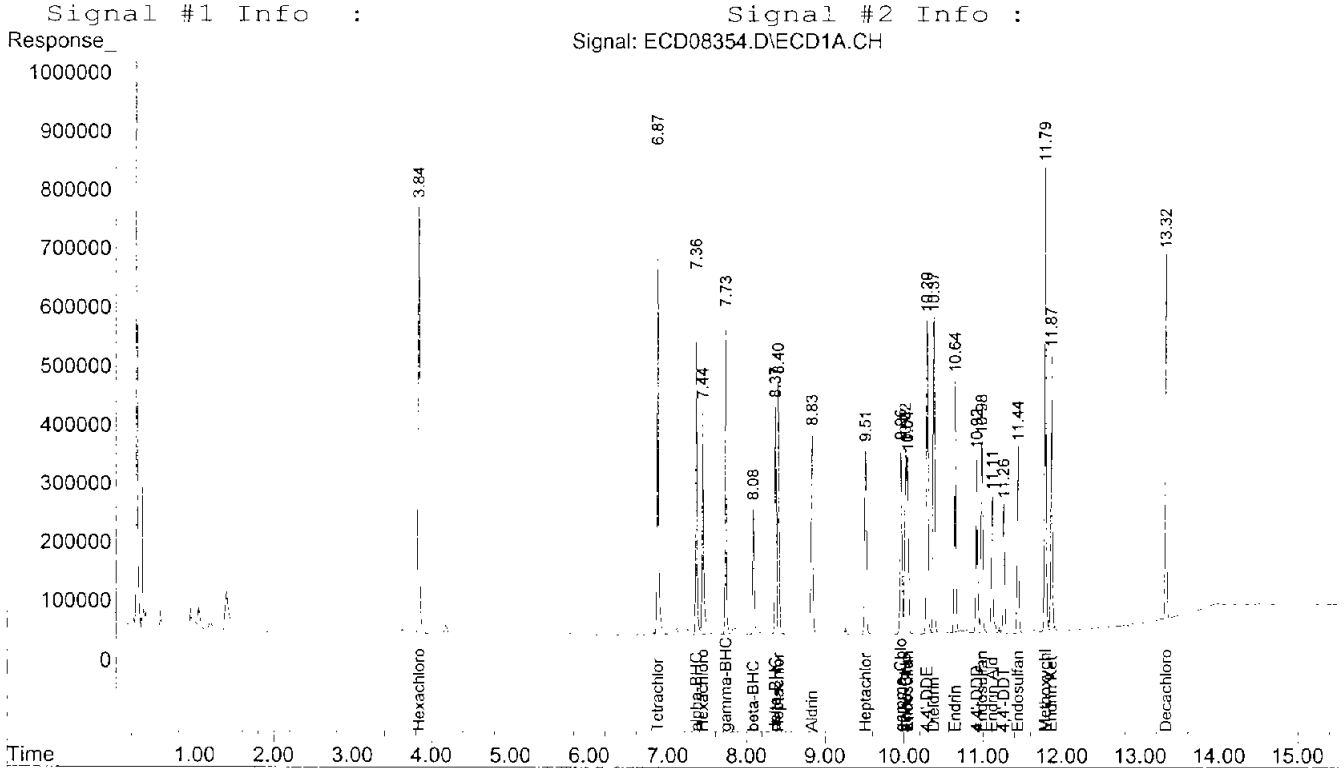
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.87	6.11	10412566	6190788	19.778	20.321
		Spiked Amount 20.000 Range 60 - 150 Recovery =					98.89%	101.61%
24)	SR	Decachlorobiphen	13.32	12.74	7194164	7534258	36.224	37.765
		Spiked Amount 20.000 Range 60 - 150 Recovery =					181.12%#	188.82%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.84	3.03	10715800	6891500	10.053	10.357
3)		alpha-BHC	7.36	6.88	7101445	4387756	10.197	10.183
4)	T	Hexachlorobenzen	7.44	6.74	5622621	3215058	9.657	10.011
5)	M	gamma-BHC (Linda	7.73	7.30	6309173	3963500	9.971	9.391
6)		beta-BHC	8.08	7.61	2785924	1549387	9.737	9.675
7)		delta-BHC	8.37	7.88	5156556	3102652	9.693	9.187
8)	M	Heptachlor	8.40	7.67	6165030	3704971	10.468	10.522
9)	M	Aldrin	8.83	7.99	5554329	3513242	9.975	9.948
10)		Heptachlor Epoxi	9.51	8.66	5172777	3485339	9.424	9.815
11)		gamma-Chlordane	9.96	9.00	4775144	3602619	9.511	9.599
12)		alpha-Chlordane	10.02	9.15	4800955	3475586	9.569	9.381
13)		Endosulfan I	10.04	9.20	4272165	3221316	10.040	9.524
14)		4,4'-DDE	10.29	9.52	8190279	6794724	19.149	19.584
15)	M	Dieldrin	10.38	9.61	8031421	6808878	19.695	20.028
16)	M	Endrin	10.64	10.02	6110090	5888632	19.742	19.287
17)		4,4'-DDD	10.92	10.29	4639627	5007087	19.880	19.922
18)		Endosulfan II	10.98	10.38	4915283	5936648	19.951	19.334
19)	M	4,4'-DDT	11.26	10.61	3130831	4600247	18.249	19.085
20)		Endrin Aldehyde	11.12	10.67	3889626	4608996	19.188	17.621
21)		Endosulfan Sulfa	11.44	10.91	4397978	5793373	18.042	18.818
22)		Methoxychlor	11.79	11.43	10547917	11504351	93.612	91.942
23)		Endrin Ketone	11.87	11.54	6326122	6830548	18.557	18.969

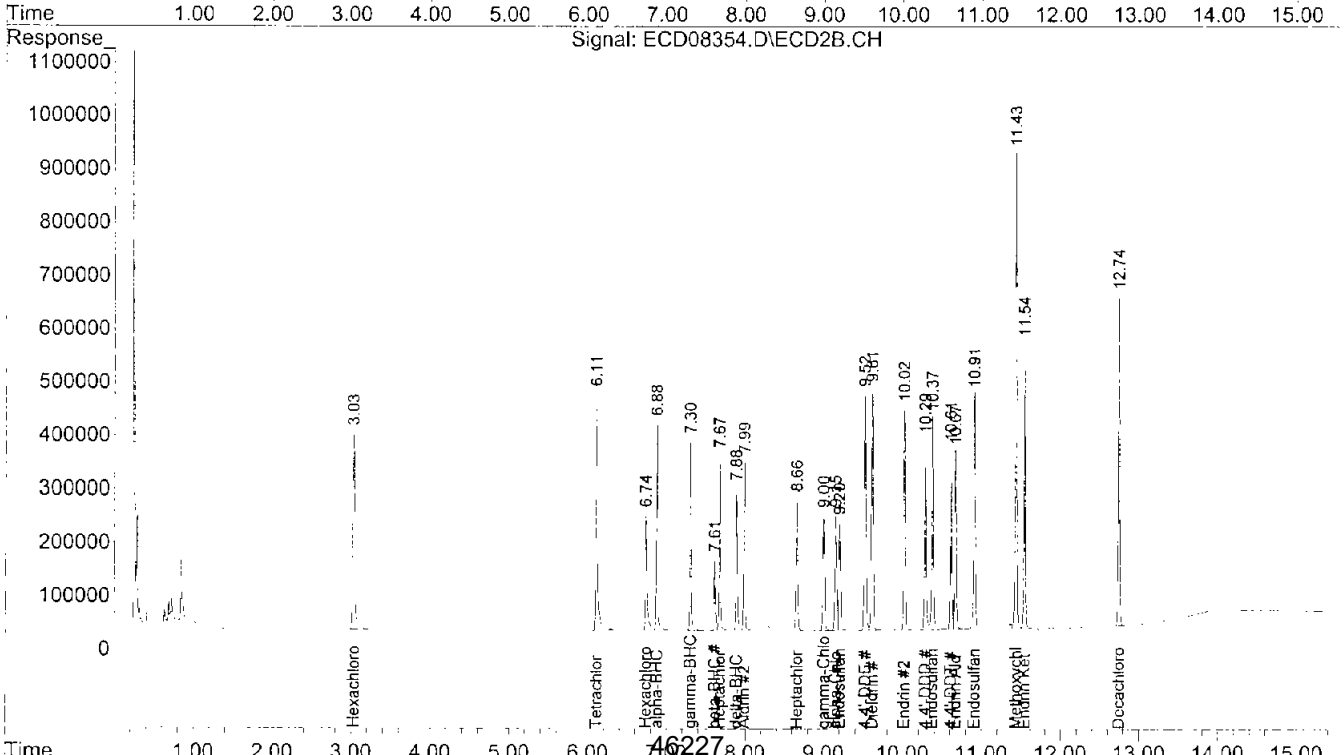
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08354.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120904\ECD08354.D\ECD2B.CH
Acq On : 12-9-2004 06:31:19 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:08 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01093

Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\120904\ECD08354.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120904\ECD08354.D\ECD2B.CH
Acq On : 12-9-2004 06:31:19 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	10.000	10.053	-0.5	100	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	19.778	1.1	97	0.00
3		alpha-BHC	10.000	10.197	-2.0	97	0.00
4	T	Hexachlorobenzene	10.000	9.657	3.4	97	0.00
5	M	gamma-BHC (Lindane)	10.000	9.971	0.3	95	0.00
6		beta-BHC	10.000	9.737	2.6	94	0.00
7		delta-BHC	10.000	9.693	3.1	91	0.00
8	M	Heptachlor	10.000	10.468	-4.7	102	0.00
9	M	Aldrin	10.000	9.975	0.3	97	0.00
10		Heptachlor Epoxide	10.000	9.424	5.8	94	0.00
11		gamma-Chlordane	10.000	9.511	4.9	95	0.00
12		alpha-Chlordane	10.000	9.569	4.3	94	0.00
13		Endosulfan I	10.000	10.040	-0.4	97	0.00
14		4,4'-DDE	20.000	19.149	4.3	93	0.00
15	M	Dieldrin	20.000	19.695	1.5	95	0.00
16	M	Endrin	20.000	19.742	1.3	101	0.00
17		4,4'-DDD	20.000	19.880	0.6	101	0.00
18		Endosulfan II	20.000	19.951	0.2	101	0.00
19	M	4,4'-DDT	20.000	18.249	8.8	96	0.00
20		Endrin Aldehyde	20.000	19.188	4.1	97	0.00
21		Endosulfan Sulfate	20.000	18.042	9.8	88	0.00
22		Methoxychlor	100.000	93.612	6.4	89	0.00
23		Endrin Ketone	20.000	18.557	7.2	88	0.00
24	SR	Decachlorobiphenyl (S)	40.000	36.224	9.4	89	0.00

Signal #2

1	T	Hexachlorobutadiene	10.000	10.357	-3.6	106	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	20.321	-1.6	98	0.00
3		alpha-BHC	10.000	10.183	-1.8	98	0.00
4	T	Hexachlorobenzene	10.000	10.011	-0.1	99	0.00
5	M	gamma-BHC (Lindane)	10.000	9.391	6.1	97	0.00
6		beta-BHC	10.000	9.675	3.2	93	0.00
7		delta-BHC	10.000	9.187	8.1	89	0.00
8	M	Heptachlor	10.000	10.522	-5.2	102	0.00
9	M	Aldrin	10.000	9.948	0.5	99	0.00
10		Heptachlor Epoxide	10.000	9.815	1.9	96	0.00
11		gamma-Chlordane	10.000	9.599	4.0	95	0.00
12		alpha-Chlordane	10.000	9.381	6.2	94	0.00
13		Endosulfan I	10.000	9.524	4.8	94	0.00
14		4,4'-DDE	20.000	19.584	2.1	93	0.00
15	M	Dieldrin	20.000	20.028	-0.1	95	0.00
16	M	Endrin	20.000	19.287	3.6	94	0.00
17		4,4'-DDD	20.000	19.922	0.4	93	0.00
18		Endosulfan II	20.000	19.334	3.3	93	0.00
19	M	4,4'-DDT	20.000	19.085	4.6	94	0.00
20		Endrin Aldehyde	20.000	17.621	11.9	91	0.00
21		Endosulfan Sulfate	20.000	18.818	5.9	91	0.00
22		Methoxychlor	100.000	91.942	8.1	90	0.00
23		Endrin Ketone	20.000	18.969	5.2	93	0.00
24	SR	Decachlorobiphenyl (S)	40.000	37.765	5.6	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report - Not Found

Signal #1 : H:\DATA\120904\ECD08354.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120904\ECD08354.D\ECD2B.CH
Acq On : 12-9-2004 06:31:19 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08346.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\120904\ECD08346.D\ECD2B.CH
Acq On : 12-9-2004 03:43:51 PM Operator: SJL/CRF
Sample : DDT/ENDRIN BREAKDOWN Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:11:29 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					0.00%#	0.00%#	
24)	SR	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					0.00%#	0.00%#	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.	
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)		delta-BHC	0.00	7.88	0	196518	N.D.	0.582	#
8)	M	Heptachlor	0.00	7.71f	0	283539	N.D.	0.805	#
9)	M	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
14)		4,4'-DDE	10.29	9.52	451171	125209	1.055	0.361	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	10.64	10.02	43363297	49758882	140.110	162.978	
17)		4,4'-DDD	10.92	10.29	818966	184650	3.509	0.735	#
18)		Endosulfan II	10.92f	10.34f	818966	453103	3.324	1.476	#
19)	M	4,4'-DDT	11.26	10.61	35224558	43020232	205.321	178.478	
20)		Endrin Aldehyde	11.11	0.00	736980	0	3.636	N.D.	#
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.81	11.40f	295293	786180	2.621	6.283	#
23)		Endrin Ketone	11.86	11.54	1769935	1051198	5.192	2.919	#

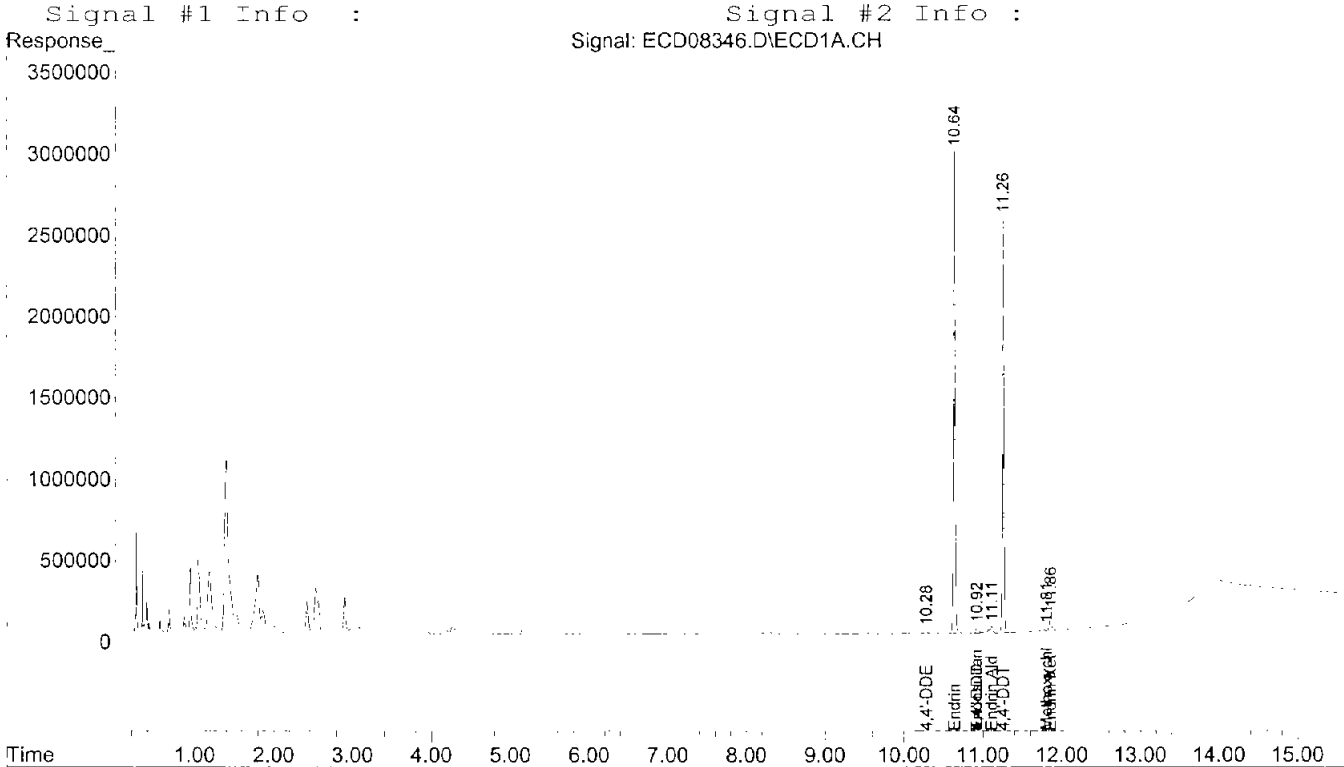
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

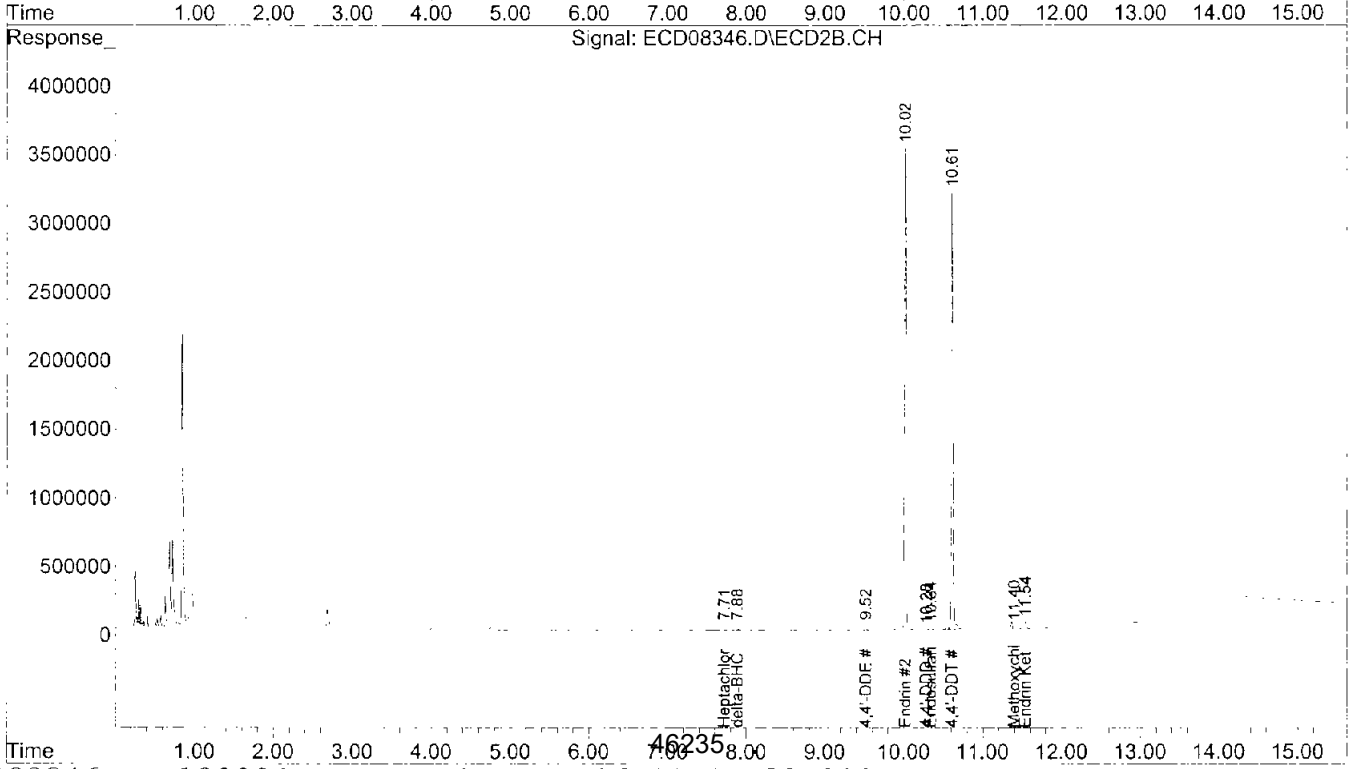
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08346.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\120904\ECD08346.D\ECD2B.CH
Acq On : 12-9-2004 03:43:51 PM Operator: SJL/CRF
Sample : DDT/ENDRIN BREAKDOWN Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:11 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Custom Report - DDT/Endrin Breakdown Evaluation

Sample Name DDT/ENDRIN BREAKDOWN

Data File Name H:\DATA\120904\ECD08346.D
Date Acquired 12-9-2004 03:43:51 PM

Compound Name	RT #1	RT #2	Resp. #1	Resp. #2	Amt. #1	Amt. #2	% Breakdown Column #1	% Breakdown Column #2
Endrin	10.64	10.02	43363297	49758882	140.11	162.98	**5.47%**	**2.07%**
Endrin Aldehyde	11.11	0.00	736980	0	3.64	0.00		
Endrin Ketone	11.86	11.54	1769935	1051198	5.19	2.92		
4,4'-DDT	11.26	10.61	35224558	43020232	205.32	178.48	**3.48%**	**0.72%**
4,4'-DDE	10.29	9.52	451171	125210	1.05	0.36		
4,4'-DDD	10.92	10.29	818966	184650	3.51	0.73		

CONTINUING CALIBRATION

Sequence Log

Directory : k:\DATA\120904

#	Filename	Sample Name	Date/Time
1	ecd08346.d	DDT/ENDRIN BREAKDOWN	12/09/04 15:43
2	ecd08347.d	RINSE	12/09/04 16:04
3	ecd08348.d	1.0ug/l 8081 std 1174-25-02	12/09/04 16:25
4	ecd08349.d	2.0ug/l 8081 std 1174-25-03	12/09/04 16:46
5	ecd08350.d	5.0ug/l 8081 std 1174-25-04	12/09/04 17:07
6	ecd08351.d	10ug/l 8081 std 1174-25-05	12/09/04 17:28
7	ecd08352.d	20ug/l 8081 std 1174-25-06	12/09/04 17:49
8	ecd08353.d	50ug/l 8081 std 1174-25-07	12/09/04 18:10
9	ecd08354.d	10ug/l 8081 ICV 1174-25-08	12/09/04 18:31
10	ecd08355.d	MB PE1801	12/09/04 18:52
11	ecd08356.d	MDL-1 PE1801	12/09/04 19:13
12	ecd08357.d	MDL-2 PE1801	12/09/04 19:34
13	ecd08358.d	MDL-3 PE1801	12/09/04 19:54
14	ecd08359.d	MDL-4 PE1801	12/09/04 20:16
15	ecd08360.d	MDL-5 PE1801	12/09/04 20:37
16	ecd08361.d	MDL-6 PE1801	12/09/04 20:58
17	ecd08362.d	MDL-7 PE1801	12/09/04 21:19
18	ecd08363.d	RINSE	12/09/04 21:40
19	ecd08364.d	10UG/L 8081 CCV 1174-25-05	12/09/04 22:01
20	ecd08365.d	MB PE1805	12/09/04 22:22
21	ecd08366.d	BS PE1805	12/09/04 22:43
22	ecd08367.d	BSD PE1805	12/09/04 23:04
23	ecd08368.d	125060-03 PE1805	12/09/04 23:25
24	ecd08369.d	125060-04 PE1805	12/09/04 23:46
25	ecd08370.d	125060-04 MS PE1805	12/10/04 00:07
26	ecd08371.d	125060-04 MSD PE1805	12/10/04 00:28
27	ecd08372.d	125060-05 PE1805	12/10/04 00:49
28	ecd08373.d	125060-06 PE1805	12/10/04 01:10
29	ecd08374.d	RINSE	12/10/04 01:31
30	ecd08375.d	20UG/L 8081 CCV 1174-25-06	12/10/04 01:52

Signal #1 : H:\DATA\120904\ECD08364.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120904\ECD08364.D\ECD2B.CH
Acq On : 09 Dec 2004 10:01 pm Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : SOIL #10 &10 W/EPA3665A & EPA3660B CU Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:12:28 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

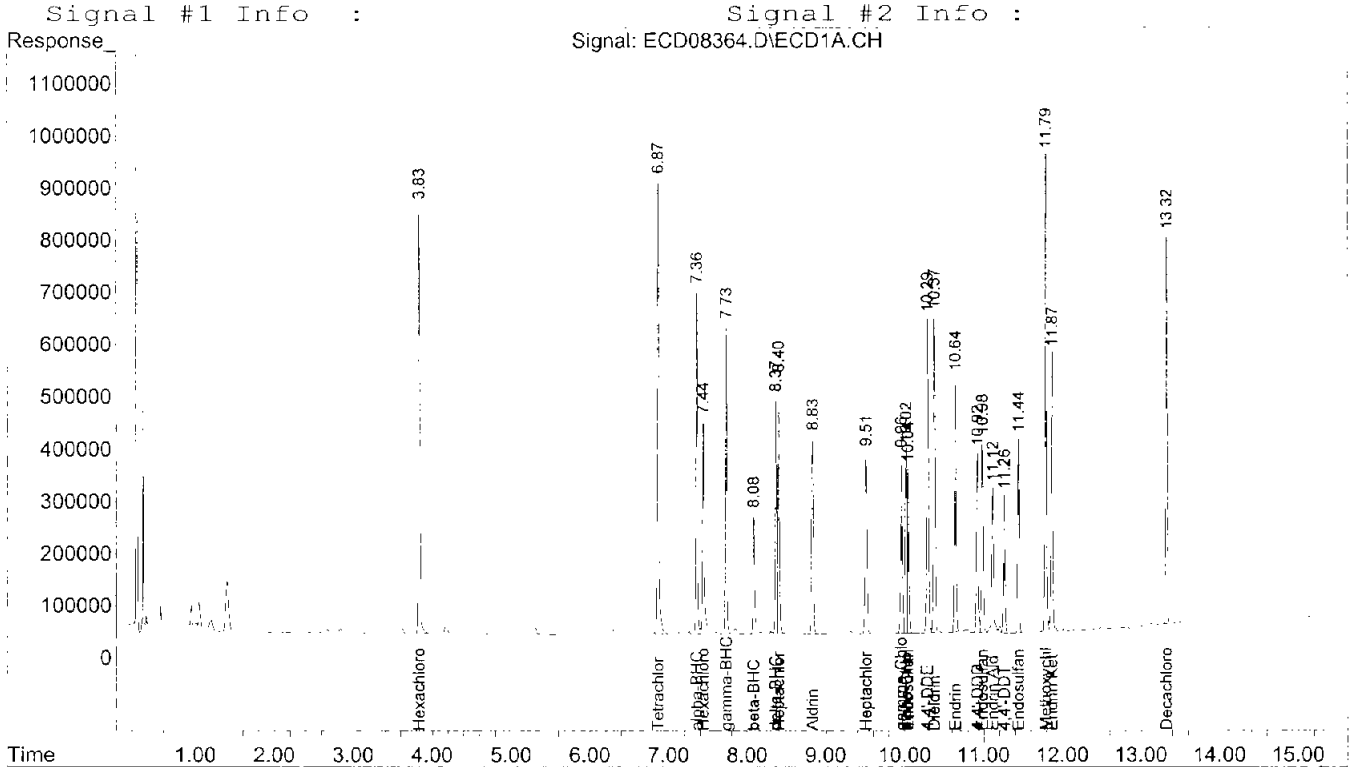
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.87	6.11	11232627	6557319	21.336	21.524
		Spiked Amount 20.000 Range 60 - 150 Recovery =					106.68%	107.62%
24)	SR	Decachlorobiphen	13.32	12.74	8569380	8774127	43.287	43.980
		Spiked Amount 20.000 Range 60 - 150 Recovery =					216.43%#	219.90%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.83	3.03	11377988	7146148	10.674	10.740
3)		alpha-BHC	7.36	6.88	7684846	4680553	11.035	10.862
4)	T	Hexachlorobenzen	7.44	6.74	5993163	3400751	10.293	10.589
5)	M	gamma-BHC (Linda	7.73	7.30	6875673	4295394	10.866	10.178
6)		beta-BHC	8.08	7.61	3037728	1710858	10.617	10.716
7)		delta-BHC	8.37	7.89	5861835	3399742	11.019	10.067
8)	M	Heptachlor	8.40	7.67	6935193	4140837	11.776	11.760
9)	M	Aldrin	8.83	7.99	6190155	3894322	11.117	11.027
10)		Heptachlor Epoxi	9.51	8.66	5652832	3790875	10.298	10.675
11)		gamma-Chlordane	9.96	9.00	5274117	3948074	10.505	10.519
12)		alpha-Chlordane	10.02	9.15	5299457	3780506	10.563	10.204
13)		Endosulfan I	10.04	9.20	4743301	3495352	11.147	10.334
14)		4,4'-DDE	10.29	9.52	9133551	7621802	21.354	21.968
15)	M	Dieldrin	10.37	9.61	8949636	7556213	21.947	22.226
16)	M	Endrin	10.64	10.02	6959864	6579662	22.488	21.551
17)		4,4'-DDD	10.92	10.29	5280106	5791437	22.625	23.043
18)		Endosulfan II	10.98	10.38	5619248	6766662	22.808	22.037
19)	M	4,4'-DDT	11.26	10.61	3758486	5350015	21.908	22.196
20)		Endrin Aldehyde	11.12	10.67	4503095	5221337	22.215	19.962
21)		Endosulfan Sulfa	11.44	10.91	5183486	6702850	21.264	21.773
22)		Methoxychlor	11.79	11.43	12524411	13150956	111.153	105.102
23)		Endrin Ketone	11.87	11.54	7290130	7794844	21.384	21.647

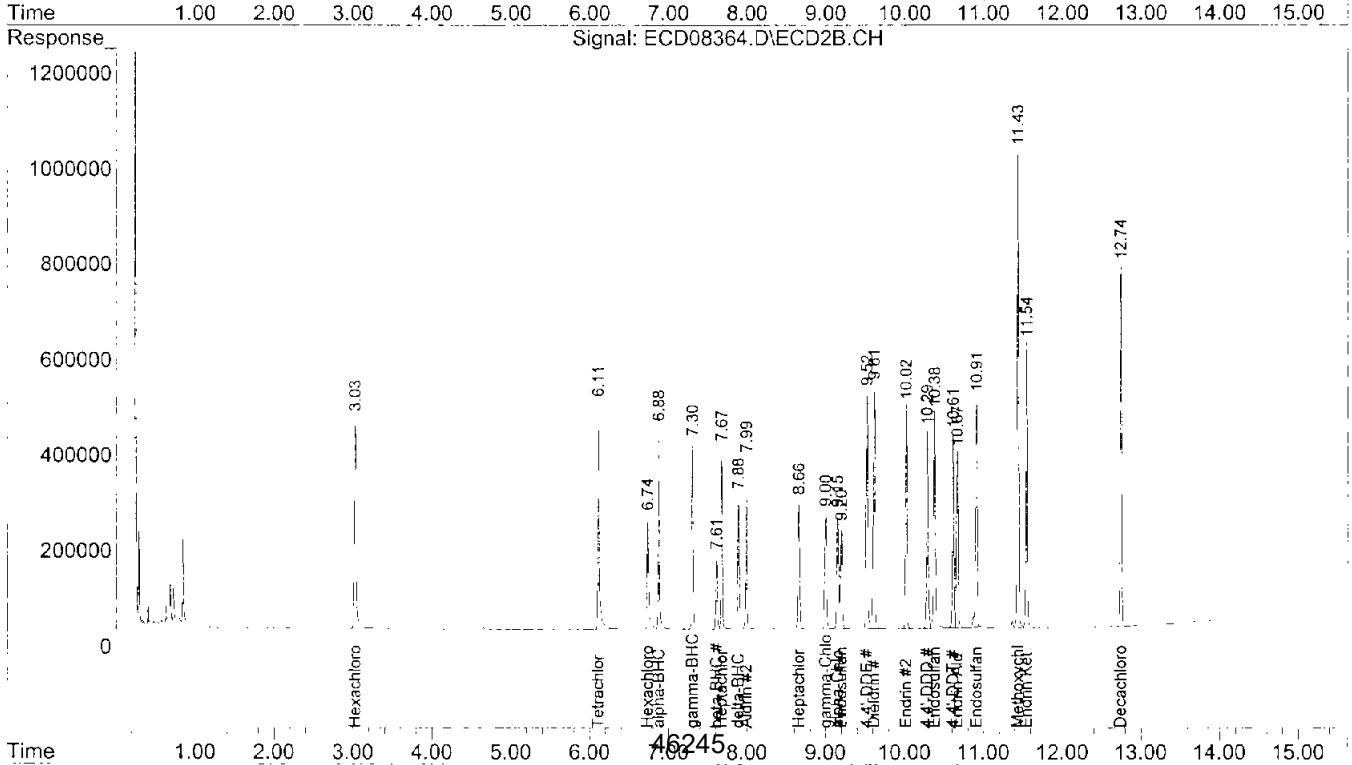
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08364.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120904\ECD08364.D\ECD2B.CH
Acq On : 09 Dec 2004 10:01 pm Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : SOIL #10 &10 W/EPA3665A & EPA3660B CU Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:12 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\120904\ECD08364.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120904\ECD08364.D\ECD2B.CH
Acq On : 09 Dec 2004 10:01 pm Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : SOIL #10 &10 W/EPA3665A & EPA3660B CU Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	10.000	10.674	-6.7	106	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	21.336	-6.7	104	0.00
3		alpha-BHC	10.000	11.035	-10.4	105	0.00
4	T	Hexachlorobenzene	10.000	10.293	-2.9	104	0.00
5	M	gamma-BHC (Lindane)	10.000	10.866	-8.7	104	0.00
6		beta-BHC	10.000	10.617	-6.2	102	0.00
7		delta-BHC	10.000	11.019	-10.2	104	0.00
8	M	Heptachlor	10.000	11.776	-17.8#	114	0.00
9	M	Aldrin	10.000	11.117	-11.2	108	0.00
10		Heptachlor Epoxide	10.000	10.298	-3.0	103	0.00
11		gamma-Chlordane	10.000	10.505	-5.1	104	0.00
12		alpha-Chlordane	10.000	10.563	-5.6	103	0.00
13		Endosulfan I	10.000	11.147	-11.5	108	0.00
14		4,4'-DDE	20.000	21.354	-6.8	103	0.00
15	M	Dieldrin	20.000	21.947	-9.7	106	0.00
16	M	Endrin	20.000	22.488	-12.4	115	0.00
17		4,4'-DDD	20.000	22.625	-13.1	115	0.00
18		Endosulfan II	20.000	22.808	-14.0	115	0.00
19	M	4,4'-DDT	20.000	21.908	-9.5	115	0.00
20		Endrin Aldehyde	20.000	22.215	-11.1	113	0.00
21		Endosulfan Sulfate	20.000	21.264	-6.3	104	0.00
22		Methoxychlor	100.000	111.153	-11.2	105	0.00
23		Endrin Ketone	20.000	21.384	-6.9	102	0.00
24	SR	Decachlorobiphenyl (S)	40.000	43.287	-8.2	106	0.00

Signal #2

1	T	Hexachlorobutadiene	10.000	10.740	-7.4	110	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	21.524	-7.6	104	0.00
3		alpha-BHC	10.000	10.862	-8.6	104	0.00
4	T	Hexachlorobenzene	10.000	10.589	-5.9	105	0.00
5	M	gamma-BHC (Lindane)	10.000	10.178	-1.8	105	0.00
6		beta-BHC	10.000	10.716	-7.2	103	0.00
7		delta-BHC	10.000	10.067	-0.7	98	0.00
8	M	Heptachlor	10.000	11.760	-17.6#	114	0.00
9	M	Aldrin	10.000	11.027	-10.3	109	0.00
10		Heptachlor Epoxide	10.000	10.675	-6.8	104	0.00
11		gamma-Chlordane	10.000	10.519	-5.2	104	0.00
12		alpha-Chlordane	10.000	10.204	-2.0	102	0.00
13		Endosulfan I	10.000	10.334	-3.3	102	0.00
14		4,4'-DDE	20.000	21.968	-9.8	105	0.00
15	M	Dieldrin	20.000	22.226	-11.1	105	0.00
16	M	Endrin	20.000	21.551	-7.8	105	0.00
17		4,4'-DDD	20.000	23.043	-15.2#	107	0.00
18		Endosulfan II	20.000	22.037	-10.2	106	0.00
19	M	4,4'-DDT	20.000	22.196	-11.0	109	0.00
20		Endrin Aldehyde	20.000	19.962	0.2	103	0.00
21		Endosulfan Sulfate	20.000	21.773	-8.9	105	0.00
22		Methoxychlor	100.000	105.102	-5.1	103	0.00
23		Endrin Ketone	20.000	21.647	-8.2	106	0.00
24	SR	Decachlorobiphenyl (S)	40.000	43.980	-9.9	106	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ECD08364.D 120904.M Thu Dec 16 11:14:35 2004 Page 1

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Signal #1 : H:\DATA\120904\ECD08364.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120904\ECD08364.D\ECD2B.CH
Acq On : 09 Dec 2004 10:01 pm Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : SOIL #10 &10 W/EPA3665A & EPA3660B CU Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08375.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120904\ECD08375.D\ECD2B.CH
Acq On : 12-10-2004 01:52:48 AM Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : LIQUID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:13:30 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

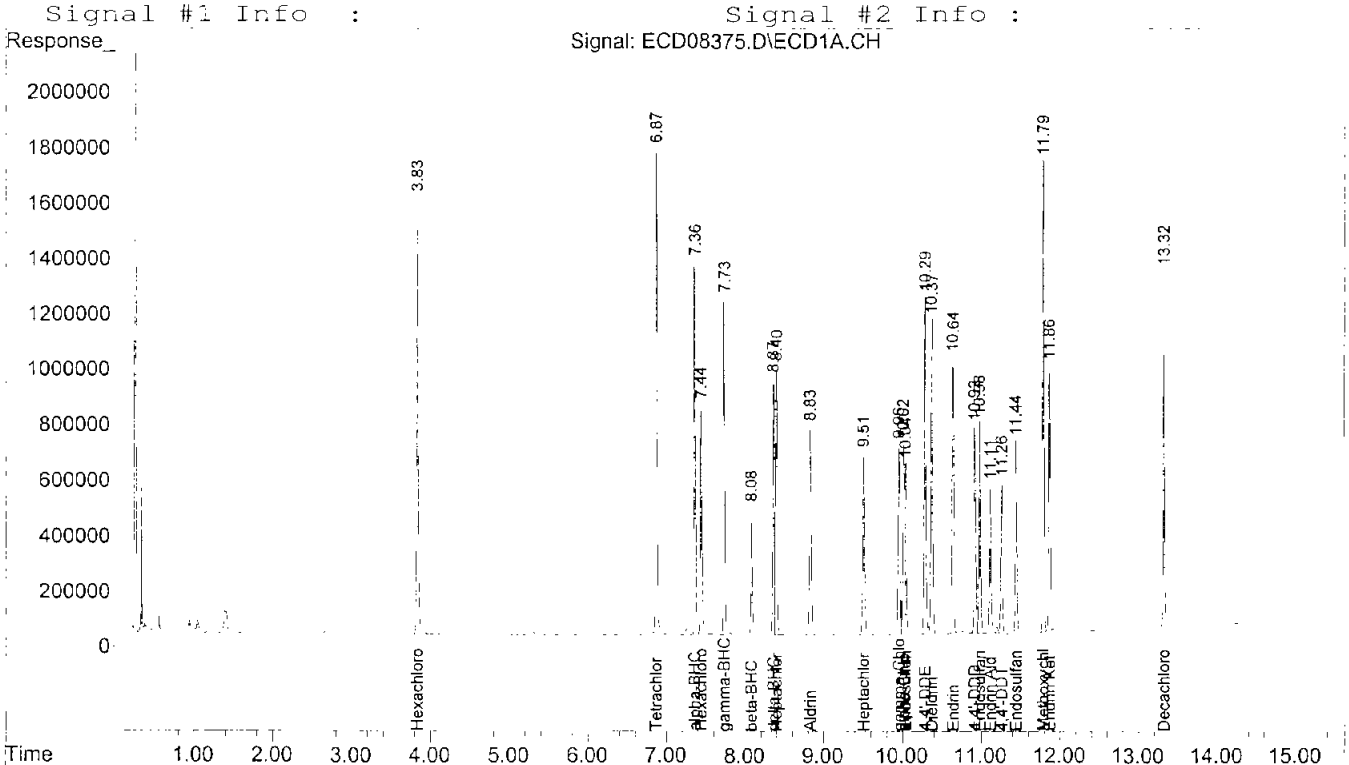
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.87	6.11	21615905	12741142	41.058	41.823
		Spiked Amount 20.000 Range 60 - 150 Recovery =					205.29%#	209.11%#
24)	SR	Decachlorobiphen	13.32	12.74	14448352	14131194	73.480	70.833
		Spiked Amount 20.000 Range 60 - 150 Recovery =					367.40%#	354.16%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.83	3.03	21822978	13471187	20.473	20.246
3)		alpha-BHC	7.36	6.88	15478060	9357087	22.226	21.715
4)	T	Hexachlorobenzen	7.44	6.74	11221713	6397217	19.273	19.920
5)	M	gamma-BHC (Linda	7.73	7.30	13635392	8389892	21.549	19.880
6)		beta-BHC	8.08	7.61	5761119	3287324	20.135	20.877
7)		delta-BHC	8.37	7.89	11889844	6884710	22.350	20.387
8)	M	Heptachlor	8.40	7.67	13639323	8224887	23.159	23.358
9)	M	Aldrin	8.83	7.99	12074526	7626019	21.685	21.594
10)		Heptachlor Epoxi	9.51	8.66	10737779	7307718	19.562	20.578
11)		gamma-Chlordane	9.96	9.00	10099798	7627503	20.116	20.323
12)		alpha-Chlordane	10.02	9.15	10129862	7306890	20.191	19.722
13)		Endosulfan I	10.04	9.20	8963433	6573289	21.065	19.435
14)		4,4'-DDE	10.29	9.52	17702310	14834211	41.388	42.757
15)	M	Dieldrin	10.37	9.61	17084926	14455033	41.897	42.519
16)	M	Endrin	10.64	10.02	13933470	12889036	45.020	42.216
17)		4,4'-DDD	10.92	10.29	11015483	11428446	47.200	45.471
18)		Endosulfan II	10.98	10.38	11155359	12636711	45.279	41.155
19)	M	4,4'-DDT	11.26	10.61	7433899	10411060	43.331	43.192
20)		Endrin Aldehyde	11.11	10.67	8186807	9285966	40.387	35.502
21)		Endosulfan Sulfa	11.44	10.91	9337140	12201177	38.303	39.633
22)		Methoxychlor	11.79	11.43	22910507	25350562	203.329	202.601
23)		Endrin Ketone	11.87	11.54	12909792	13825953	37.868	38.396

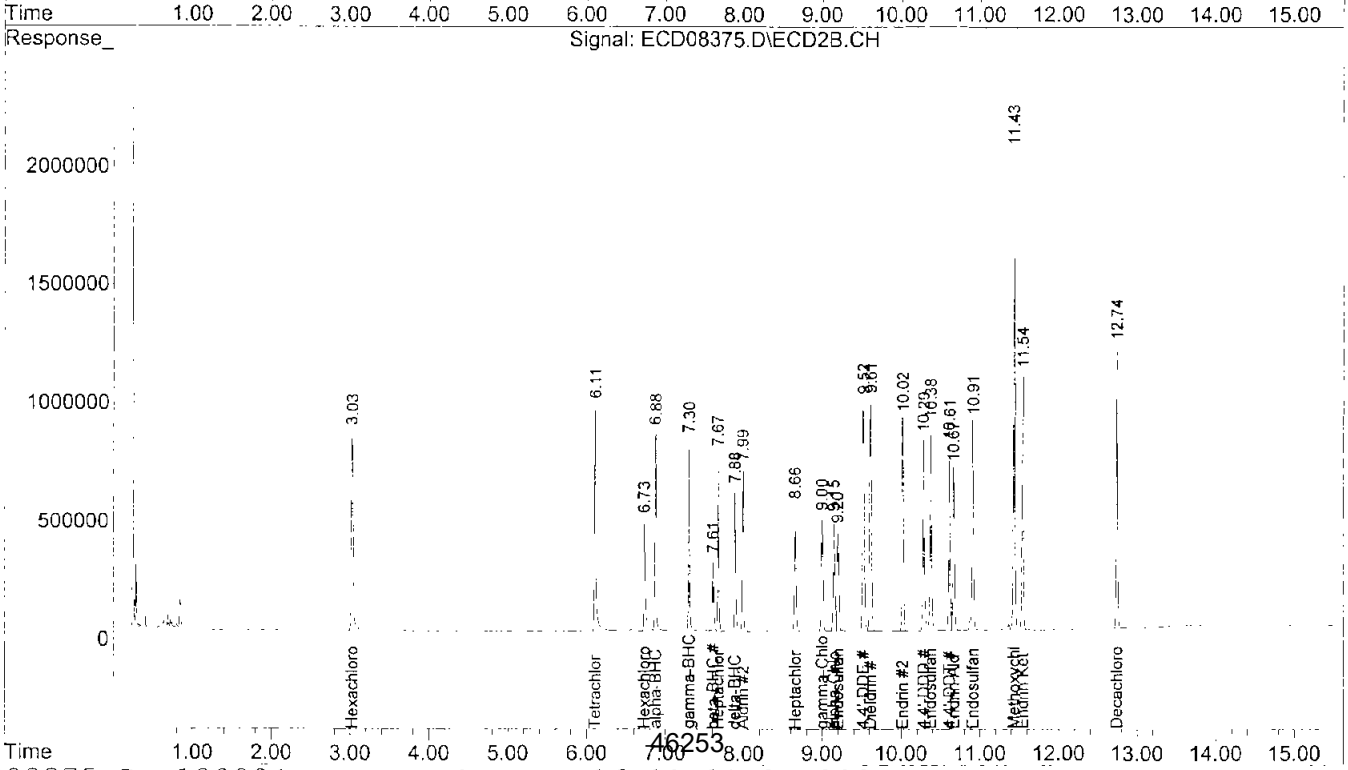
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08375.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120904\ECD08375.D\ECD2B.CH
Acq On : 12-10-2004 01:52:48 AM Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : LIQUID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 16 11:13 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\120904\ECD08375.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120904\ECD08375.D\ECD2B.CH
Acq On : 12-10-2004 01:52:48 AM Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : LIQUID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	20.000	20.473	-2.4	103	0.00
2	SR	Tetrachloro-m-xylene (S)	40.000	41.058	-2.6	103	0.00
3		alpha-BHC	20.000	22.226	-11.1	104	0.00
4	T	Hexachlorobenzene	20.000	19.273	3.6	103	0.00
5	M	gamma-BHC (Lindane)	20.000	21.549	-7.7	102	0.00
6		beta-BHC	20.000	20.135	-0.7	102	0.00
7		delta-BHC	20.000	22.350	-11.8	103	0.00
8	M	Heptachlor	20.000	23.159	-15.8#	107	0.00
9	M	Aldrin	20.000	21.685	-8.4	107	0.00
10		Heptachlor Epoxide	20.000	19.562	2.2	104	0.00
11		gamma-Chlordane	20.000	20.116	-0.6	105	0.00
12		alpha-Chlordane	20.000	20.191	-1.0	104	0.00
13		Endosulfan I	20.000	21.065	-5.3	105	0.00
14		4,4'-DDE	40.000	41.388	-3.5	104	0.00
15	M	Dieldrin	40.000	41.897	-4.7	104	0.00
16	M	Endrin	40.000	45.020	-12.6	112	0.00
17		4,4'-DDD	40.000	47.200	-18.0#	122	0.00
18		Endosulfan II	40.000	45.279	-13.2	117	0.00
19	M	4,4'-DDT	40.000	43.331	-8.3	105	0.00
20		Endrin Aldehyde	40.000	40.387	-1.0	107	0.00
21		Endosulfan Sulfate	40.000	38.303	4.2	97	0.00
22		Methoxychlor	200.000	203.329	-1.7	96	0.00
23		Endrin Ketone	40.000	37.868	5.3	93	0.00
24	SR	Decachlorobiphenyl (S)	80.000	73.480	8.1	91	0.00

Signal #2

1	T	Hexachlorobutadiene	20.000	20.246	-1.2	101	0.00
2	SR	Tetrachloro-m-xylene (S)	40.000	41.823	-4.6	105	0.00
3		alpha-BHC	20.000	21.715	-8.6	102	0.00
4	T	Hexachlorobenzene	20.000	19.920	0.4	101	0.00
5	M	gamma-BHC (Lindane)	20.000	19.880	0.6	102	0.00
6		beta-BHC	20.000	20.877	-4.4	104	0.00
7		delta-BHC	20.000	20.387	-1.9	101	0.00
8	M	Heptachlor	20.000	23.358	-16.8#	108	0.00
9	M	Aldrin	20.000	21.594	-8.0	106	0.00
10		Heptachlor Epoxide	20.000	20.578	-2.9	101	0.00
11		gamma-Chlordane	20.000	20.323	-1.6	100	0.00
12		alpha-Chlordane	20.000	19.722	1.4	101	0.00
13		Endosulfan I	20.000	19.435	2.8	100	0.00
14		4,4'-DDE	40.000	42.757	-6.9	100	0.00
15	M	Dieldrin	40.000	42.519	-6.3	101	0.00
16	M	Endrin	40.000	42.216	-5.5	102	0.00
17		4,4'-DDD	40.000	45.471	-13.7	105	0.00
18		Endosulfan II	40.000	41.155	-2.9	102	0.00
19	M	4,4'-DDT	40.000	43.192	-8.0	101	0.00
20		Endrin Aldehyde	40.000	35.502	11.2	96	0.00
21		Endosulfan Sulfate	40.000	39.633	0.9	97	0.00
22		Methoxychlor	200.000	202.601	-1.3	102	0.00
23		Endrin Ketone	40.000	38.396	4.0	97	0.00
24	SR	Decachlorobiphenyl (S)	80.000	70.833	11.5	88	0.00

(#) = Out of Range SPCC's 46255 = 0 CCC's out = 0
ECD08375.D 120904.M Thu Dec 16 11:13:43 2004 Page 1

01107

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : H:\DATA\120904\ECD08375.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120904\ECD08375.D\ECD2B.CH
Acq On : 12-10-2004 01:52:48 AM Operator: SJL/CRF
Sample : 20UG/L 8081 CCV 1174-25-06 Inst : Agilent E
Misc : LIQUID &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

METHOD BLANK

01109

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08365.D\ECD1A.CH Vial: 38
Signal #2 : H:\DATA\120904\ECD08365.D\ECD2B.CH
Acq On : 09 Dec 2004 10:22 pm Operator: SJL/CRF
Sample : MB PE1805 Inst : Agilent E
Misc : SOIL #10 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:04:47 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
2)	SR Tetrachloro-m-xy	6.87	6.11	7864397	4372615	14.938	14.353
	Spiked Amount 20.000 Range 60 - 150 Recovery =					74.69%	71.77%
24)	SR Decachlorobiphen	13.32	12.74	3434846	3511017	16.917	17.599
	Spiked Amount 20.000 Range 60 - 150 Recovery =					84.59%	88.00%
	Target Compounds						
1)	T Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.
3)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	T Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.
5)	M gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.
6)	beta-BHC	0.00	7.61	0	303478	N.D.	1.644 #
7)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)	M Heptachlor	0.00	7.72f	0	1345032	N.D.	3.820 #
9)	M Aldrin	0.00	7.99	0	448137	N.D.	1.269 #
10)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
11)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
13)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
14)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
15)	M Dieldrin	0.00	0.00	0	0	N.D.	N.D.
16)	M Endrin	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
18)	Endosulfan II	0.00	10.41f	0	362632	N.D.	1.181 #
19)	M 4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
20)	Endrin Aldehyde	11.08f	10.67	1241303	1446891	6.124	5.532
21)	Endosulfan Sulfa	0.00	10.96f	0	268414	N.D.	0.872 #
22)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
23)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

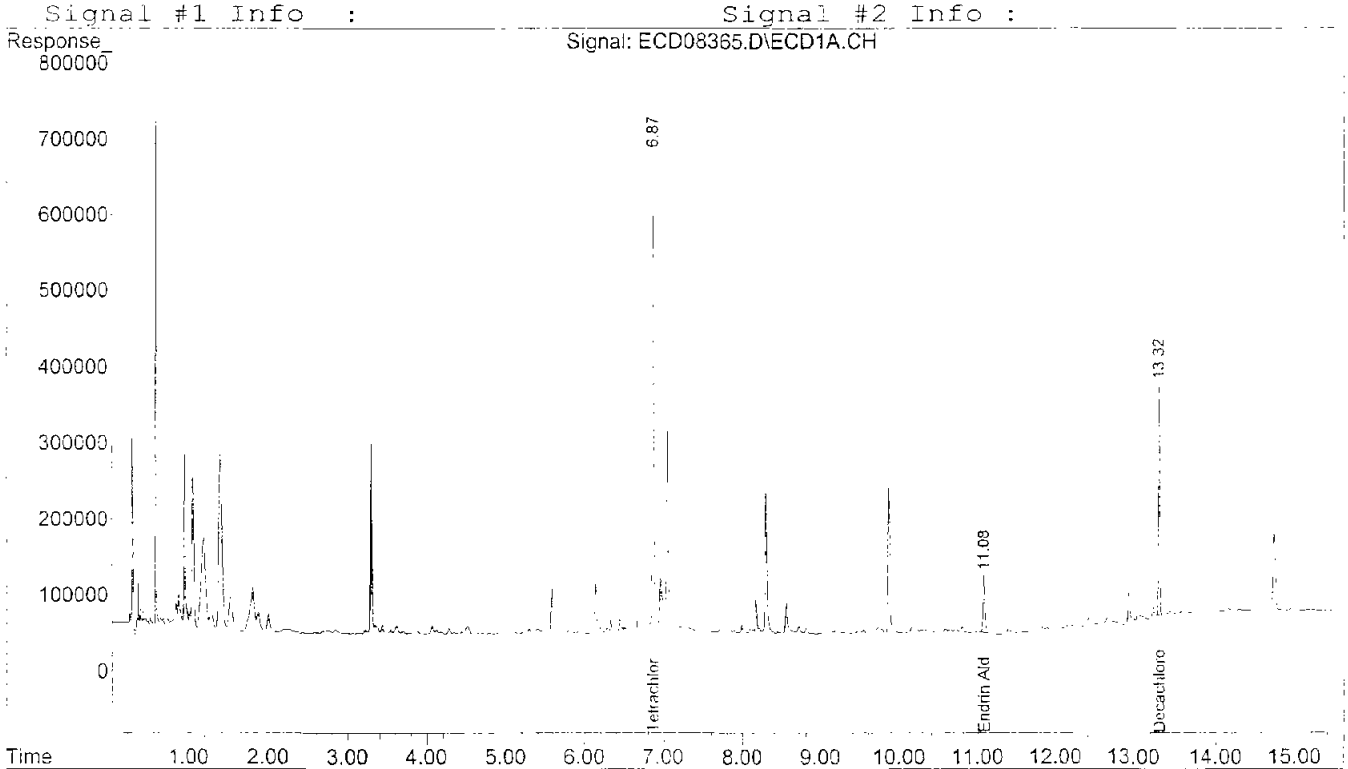
01110

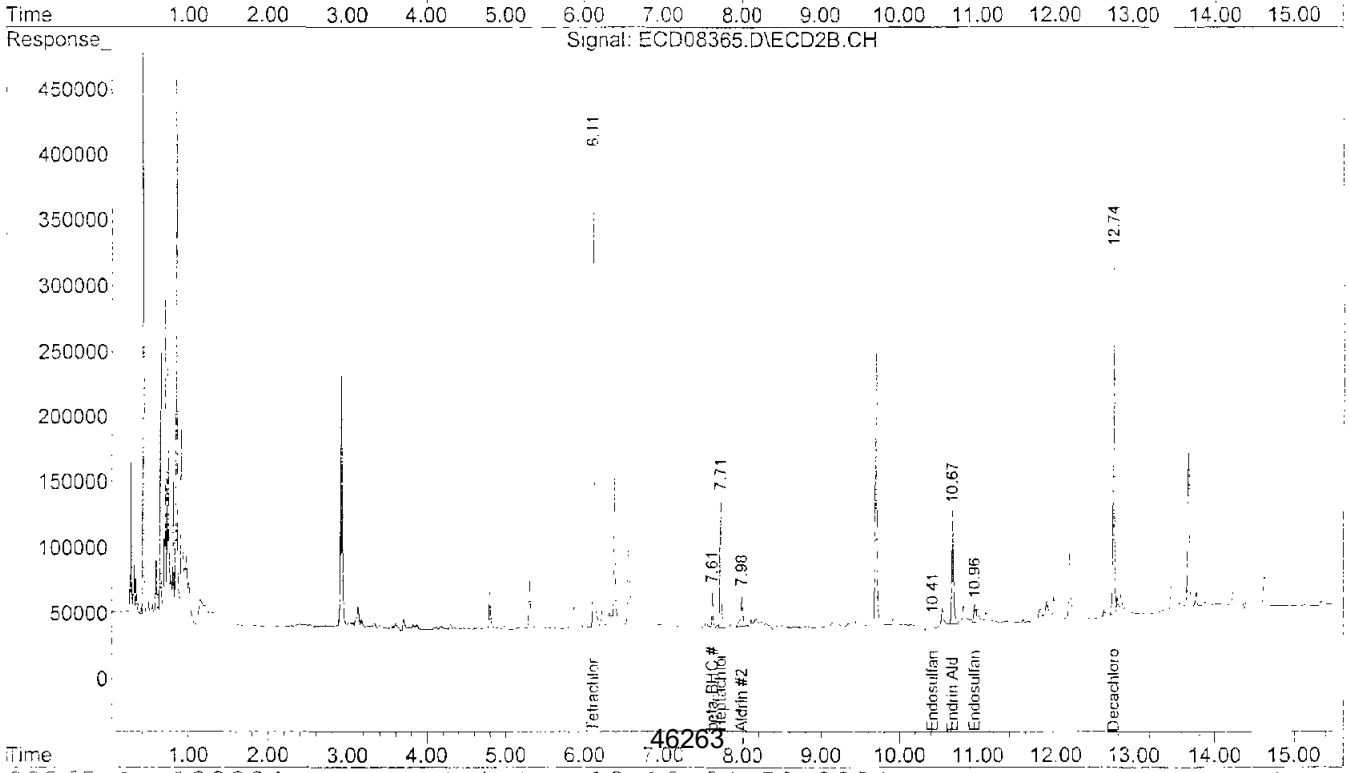
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08365.D\ECD1A.CH Vial: 38
Signal #2 : H:\DATA\120904\ECD08365.D\ECD2B.CH
Acq On : 09 Dec 2004 10:22 pm Operator: SJL/CRF
Sample : MB PE1805 Inst : Agilent E
Misc : SOIL #10 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:04 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46263

01111

BLANK SPIKE

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08366.D\ECD1A.CH Vial: 46
Signal #2 : H:\DATA\120904\ECD08366.D\ECD2B.CH
Acq On : 09 Dec 2004 10:43 pm Operator: SJL/CRF
Sample : BS PE1805 Inst : Agilent E
Misc : SOIL #10 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:04:52 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

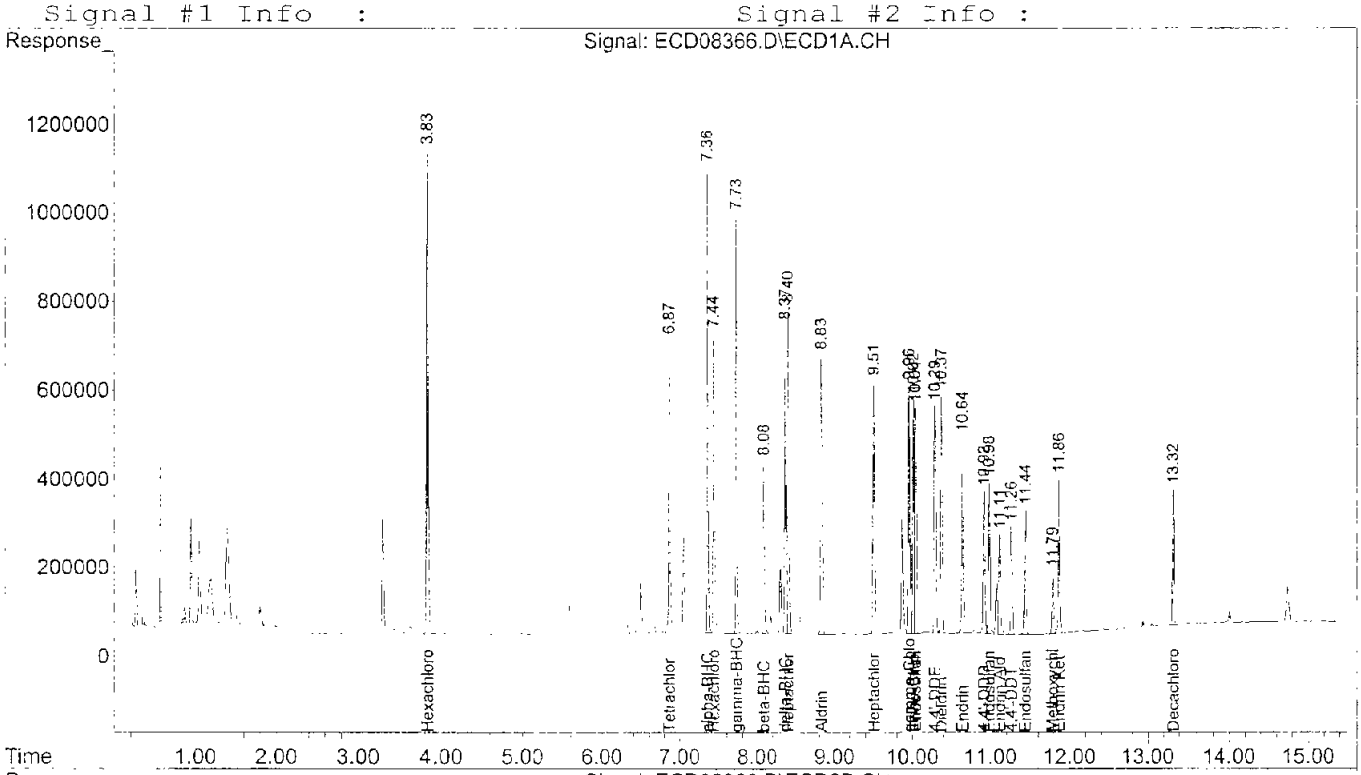
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.87	6.11	7970262	4598945	15.139	15.096	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					75.70%	75.48%	
24)	SR	Decachlorobiphen	13.32	12.74	3663367	3718448	18.091	18.639	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					90.46%	93.19%	
		Target Compounds							
1)	T	Hexachlorobutadi	3.83	3.03	14799411	9345797	13.884	14.046	
3)		alpha-BHC	7.36	6.88	11415788	6913898	16.393	16.045	
4)	T	Hexachlorobenzen	7.44	6.74	8397307	4988896	14.422	15.534	
5)	M	gamma-BHC (Linda	7.73	7.30	10354785	6382874	16.364	15.124	
6)		beta-BHC	8.08	7.61	4563343	2785313	15.949	17.642	
7)		delta-BHC	8.37	7.88	9045934	5558365	17.004	16.459	
8)	M	Heptachlor	8.40	7.67	10466286	6160555	17.771	17.495	
9)	M	Aldrin	8.83	7.99	9948819	6136522	17.867	17.376	
10)		Heptachlor Epoxi	9.51	8.66	9036573	5783280	16.463	16.285	
11)		gamma-Chlordane	9.96	9.00	8147682	6086731	16.228	16.218	
12)		alpha-Chlordane	10.02	9.15	7832557	5957908	15.612	16.081	
13)		Endosulfan I	10.04	9.20	7377356	5573910	17.338	16.480	
14)		4,4'-DDE	10.29	9.52	7574842	6074732	17.710	17.509	
15)	M	Dieldrin	10.37	9.61	7698694	6176589	18.879	18.168	
16)	M	Endrin	10.64	10.02	6500076	5616655	21.002	18.397	
17)		4,4'-DDD	10.92	10.29	4827563	3585568	20.686	14.266	#
18)		Endosulfan II	10.98	10.38	5156304	5188998	20.929	16.899	
19)	M	4,4'-DDT	11.26	10.61	3463717	4806637	20.190	19.941	
20)		Endrin Aldehyde	11.11	10.67	3358134	5868022	16.566	22.435	#
21)		Endosulfan Sulfa	11.44	10.91	3962569	5016866	16.255	16.296	
22)		Methoxychlor	11.79	11.43	1893501	2725250	16.805	21.780	#
23)		Endrin Ketone	11.87	11.54	4795451	5762404	14.067	16.003	

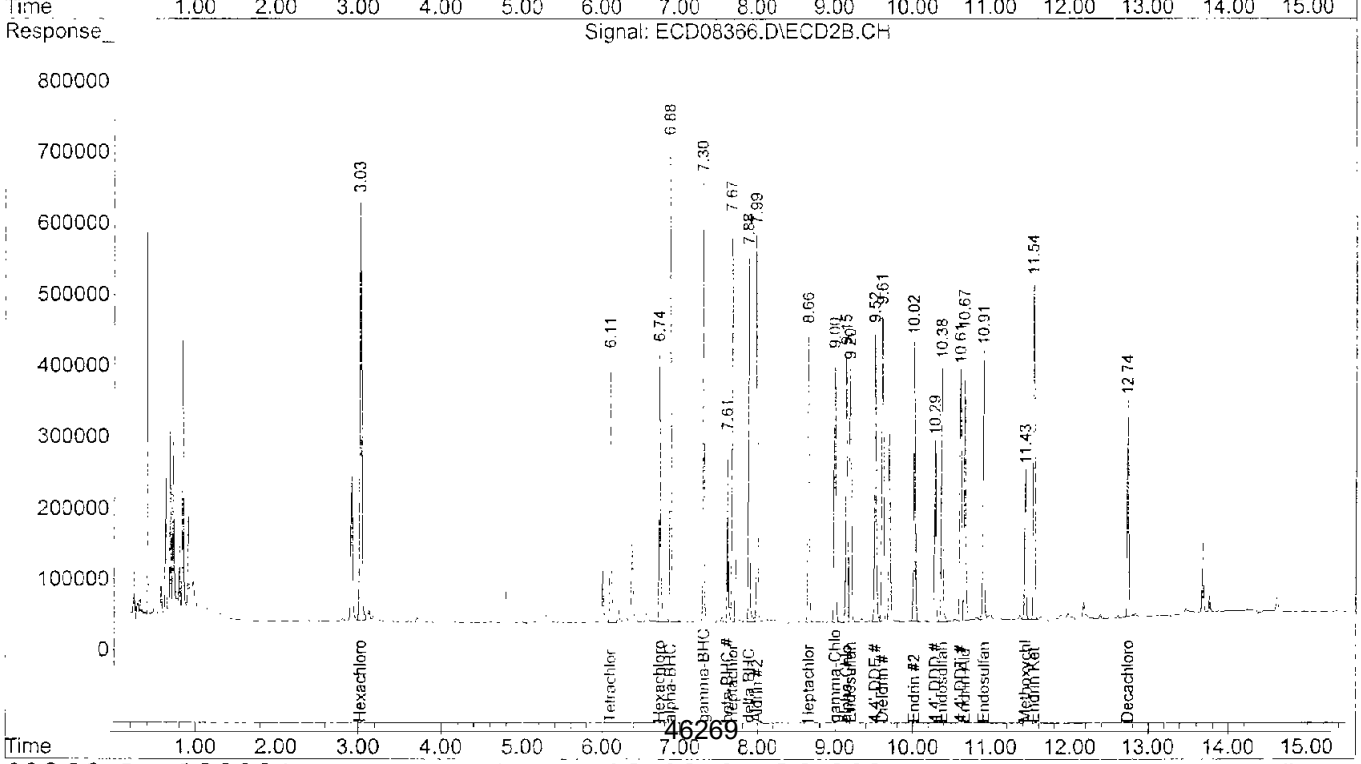
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08366.D\ECD1A.CH Vial: 46
Signal #2 : H:\DATA\120904\ECD08366.D\ECD2B.CH
Acq On : 09 Dec 2004 10:43 pm Operator: SJL/CRF
Sample : BS PE1805 Inst : Agilent E
Misc : SOIL #10 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:04 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01114

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08367.D\ECD1A.CH Vial: 47
Signal #2 : H:\DATA\120904\ECD08367.D\ECD2B.CH
Acq On : 09 Dec 2004 11:04 pm Operator: SJL/CRF
Sample : BSD PE1805 Inst : Agilent E
Misc : SOIL #10 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:04:58 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

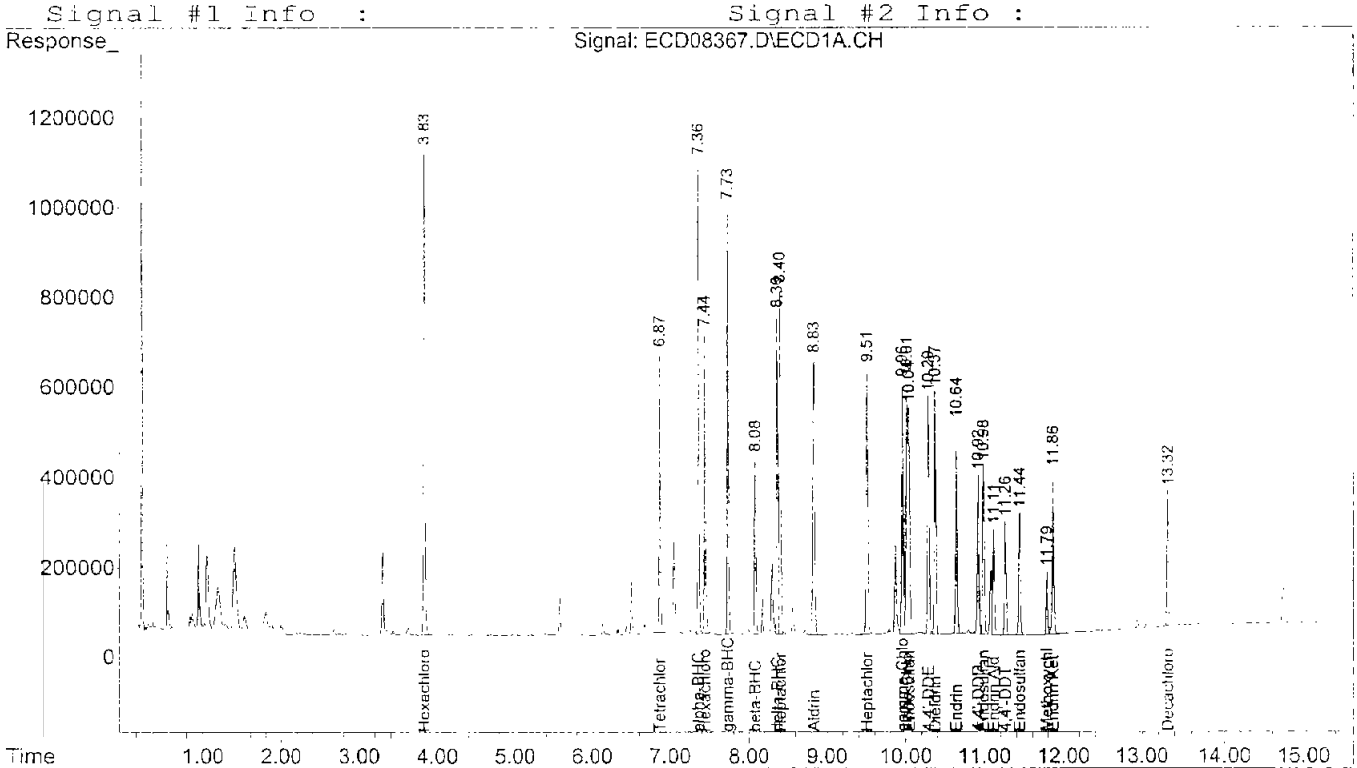
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.87	6.11	7601543	4409092	14.439	14.473	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					72.19%	72.36%	
24)	SR	Decachlorobiphen	13.32	12.74	3533656	3605446	17.424	18.072	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					87.12%	90.36%	
		Target Compounds							
1)	T	Hexachlorobutadi	3.83	3.03	14624450	9190183	13.720	13.812	
3)		alpha-BHC	7.36	6.88	11315340	6863429	16.248	15.928	
4)	T	Hexachlorobenzen	7.44	6.74	8146106	4816729	13.990	14.998	
5)	M	gamma-BHC (Linda	7.73	7.30	10368244	6542820	16.386	15.503	
6)		beta-BHC	8.08	7.61	4552967	3113851	15.912	19.759	
7)		delta-BHC	8.37	7.88	9081693	5588497	17.072	16.548	
8)	M	Heptachlor	8.40	7.67	10370707	6150968	17.609	17.468	
9)	M	Aldrin	8.83	7.99	9995033	6160526	17.950	17.444	
10)		Heptachlor Epoxi	9.51	8.66	9185114	5770897	16.733	16.251	
11)		gamma-Chlordane	9.96	9.00	8307148	6041611	16.546	16.098	
12)		alpha-Chlordane	10.02	9.15	8127840	5962608	16.200	16.094	
13)		Endosulfan I	10.04	9.20	7381415	5571911	17.347	16.474	
14)		4,4'-DDE	10.29	9.52	7607542	5976628	17.786	17.226	
15)	M	Dieldrin	10.37	9.61	7799779	6116884	19.127	17.993	
16)	M	Endrin	10.64	10.02	6645194	5599919	21.471	18.342	
17)		4,4'-DDD	10.92	10.28	5085207	3635382	21.790	14.464	#
18)		Endosulfan II	10.98	10.37	5408690	5195394	21.953	16.920	
19)	M	4,4'-DDT	11.26	10.61	3511349	4788351	20.467	19.865	
20)		Endrin Aldehyde	11.11	10.67	3488732	6177227	17.211	23.617	#
21)		Endosulfan Sulfa	11.44	10.91	3939993	4992556	16.163	16.217	
22)		Methoxychlor	11.79	11.43	1888191	2726906	16.758	21.793	#
23)		Endrin Ketone	11.87	11.54	4888685	5764941	14.340	16.010	

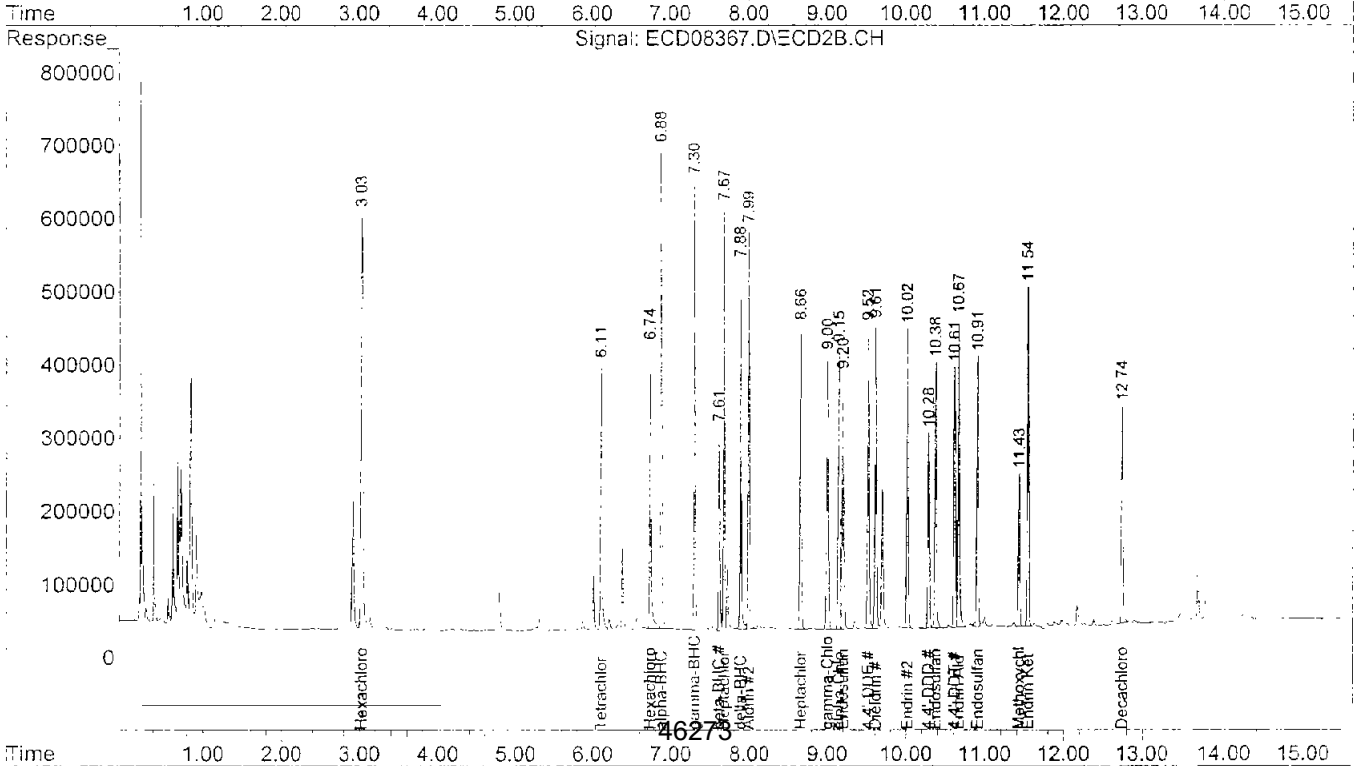
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08367.D\ECD1A.CH Vial: 47
Signal #2 : H:\DATA\120904\ECD08367.D\ECD2B.CH
Acq On : 09 Dec 2004 11:04 pm Operator: SJL/CRF
Sample : BSD PE1805 Inst : Agilent E
Misc : SOIL #10 &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLCW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46273

01116

MATIX SPIKE / MATRIX SPIKE DUPLICATE

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08370.D\ECD1A.CH Vial: 50
Signal #2 : H:\DATA\120904\ECD08370.D\ECD2B.CH
Acq On : 10 Dec 2004 12:07 am Operator: SJL/CRF
Sample : 125060-04 MS PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05:15 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

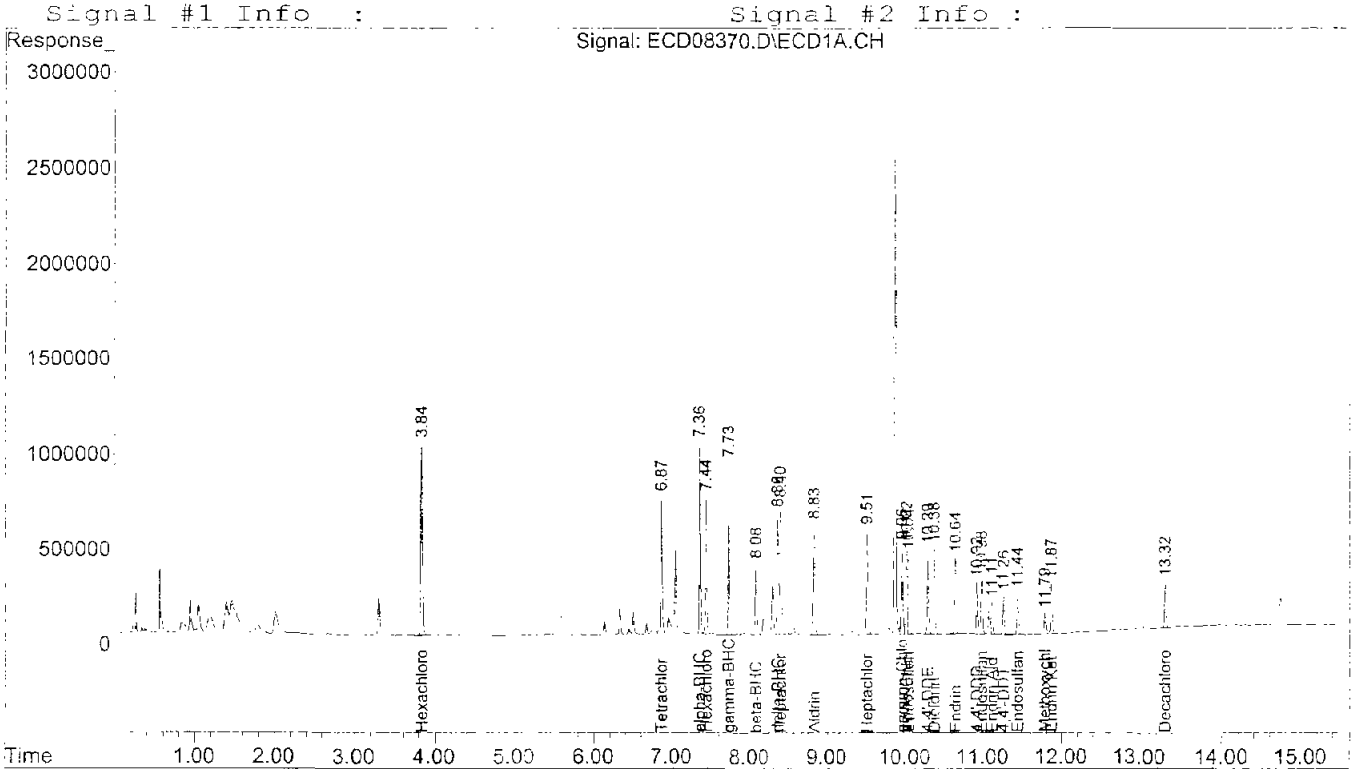
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
2) SR Tetrachloro-m-xy	6.87	6.11	8905409	4955611	16.915	16.267	
Spiked Amount 20.000 Range 60 - 150 Recovery =					84.58%	81.34%	
24) SR Decachlorobiphen	13.32	12.74	2792145	2700662	13.616	13.537	
Spiked Amount 20.000 Range 60 - 150 Recovery =					68.08%	67.69%	
Target Compounds							
1) T Hexachlorobutadi	3.84	3.03	14230656	9050524	13.351	13.602	
3) alpha-BHC	7.36	6.88	10652472	6613579	15.297	15.348	
4) T Hexachlorobenzen	7.44	6.74	8653500	5410605	14.862	16.848	
5) M gamma-BHC (Linda	7.73	7.30	9670386	6072403	15.283	14.388	
6) beta-BHC	8.08	7.61	4149983	3047853	14.504	19.334	#
7) delta-BHC	8.37	7.88	7827517	4836645	14.714	14.322	
8) M Heptachlor	8.40	7.67	9357968	5648201	15.889	16.040	
9) M Aldrin	8.83	7.99	9031249	5748159	16.219	16.276	
10) Heptachlor Epoxi	9.51	8.66	8425322	5203489	15.349	14.653	
11) gamma-Chlordane	9.96	9.00	6992532	5389677	13.927	14.361	
12) alpha-Chlordane	10.02	9.15	6957637	5053409	13.868	13.640	
13) Endosulfan I	10.04	9.20	5997616	4702523	14.095	13.904	
14) 4,4'-DDE	10.29	9.52	6369923	5105066	14.893	14.714	
15) M Dieldrin	10.38	9.61	6646560	5286521	16.299	15.550	
16) M Endrin	10.64	10.02	5715585	4975162	18.467	16.295	
17) 4,4'-DDD	10.92	10.29	3957971	2734293	16.960 -C2-	10.879	#
18) Endosulfan II	10.98	10.38	4386890	4291048	17.806	13.975	
19) M 4,4'-DDT	11.26	10.61	3042986	3792069	17.737	15.732	
20) Endrin Aldehyde	11.11	10.67	2576467	5850834	12.710 -C2-	22.369	#
21) Endosulfan Sulfa	11.44	10.91	3159381	3910999	12.961	12.704	
22) Methoxychlor	11.79	11.43	1493142	1966372	13.252	15.715	
23) Endrin Ketone	11.87	11.54	3640121	4119780	10.678	11.441	

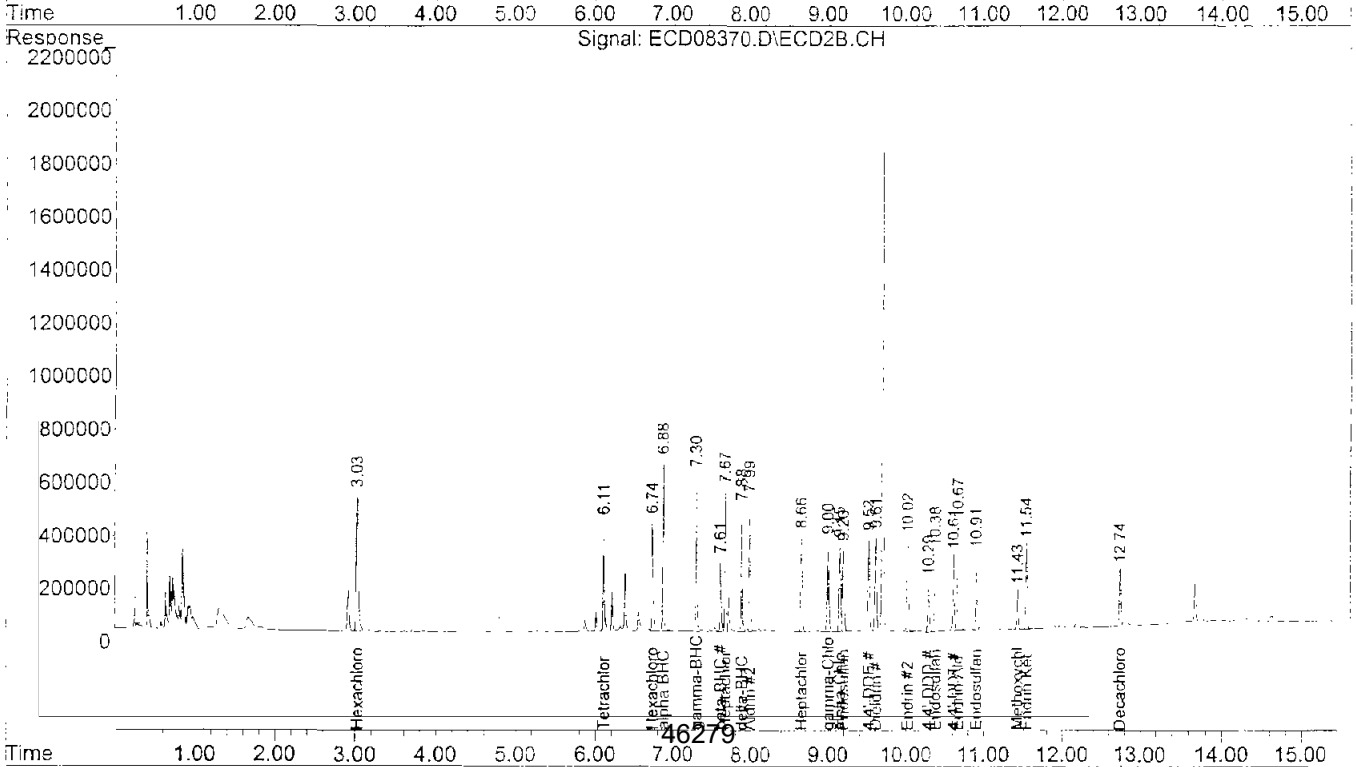
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08370.D\ECD1A.CH Vial: 50
Signal #2 : H:\DATA\120904\ECD08370.D\ECD2B.CH
Acq On : 10 Dec 2004 12:07 am Operator: SJL/CRF
Sample : 125060-04 MS PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46279

0119

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08371.D\ECD1A.CH Vial: 51
Signal #2 : H:\DATA\120904\ECD08371.D\ECD2B.CH
Acq On : 10 Dec 2004 12:28 am Operator: SJL/CRF
Sample : 125060-04 MSD PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05:21 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

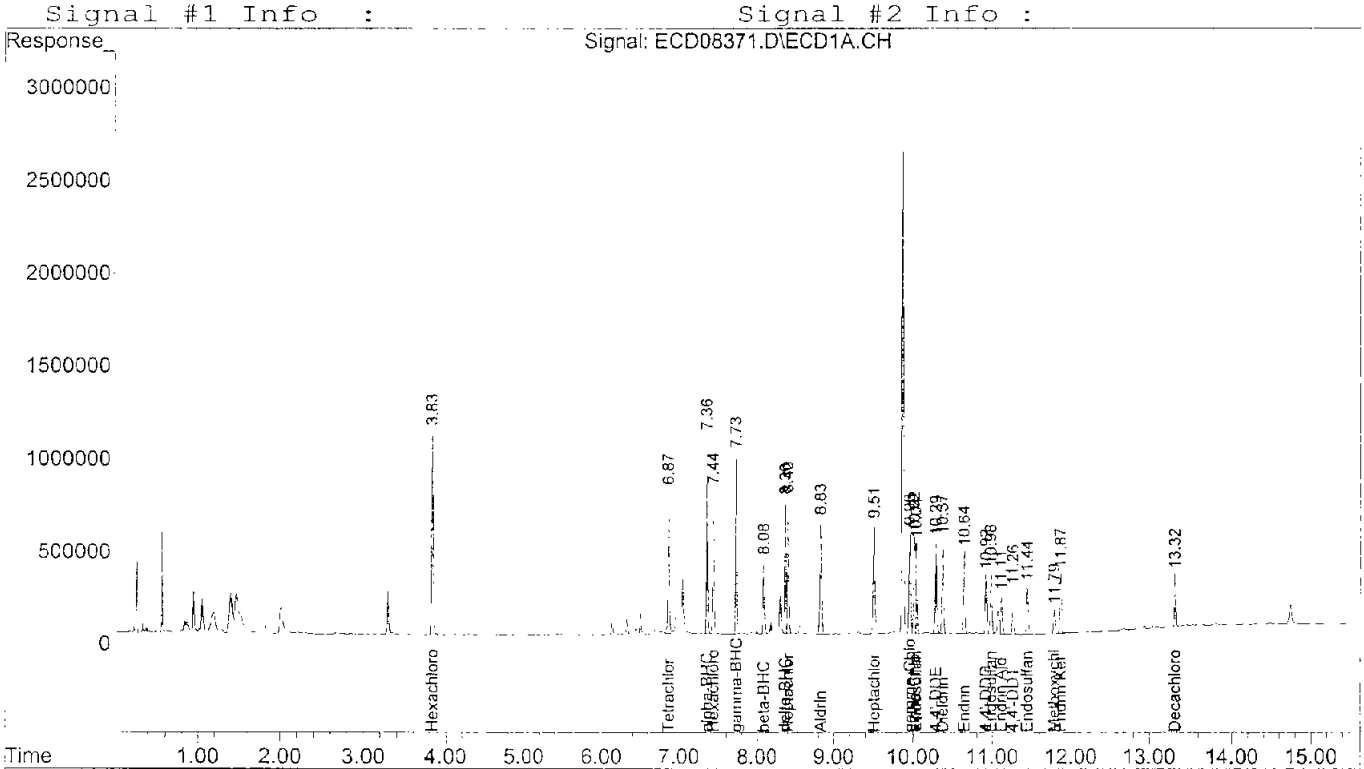
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.87	6.11	9210301	5134125	17.494	16.853	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					87.47%	84.27%	
24)	SR	Decachlorobiphen	13.32	12.74	3445520	3663606	16.972	18.364	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					84.86%	91.82%	
		Target Compounds							
1)	T	Hexachlorobutadi	3.83	3.03	14511308	9216121	13.614	13.851	
3)		alpha-BHC	7.36	6.88	11218801	6875348	16.110	15.955	
4)	T	Hexachlorobenzen	7.44	6.74	9292521	5737440	15.959	17.865	
5)	M	gamma-BHC (Linda	7.73	7.30	10282510	6237248	16.250	14.779	
6)		beta-BHC	8.08	7.61	4526797	3159697	15.821	20.055	#
7)		delta-BHC	8.37	7.88	8869306	5515821	16.672	16.333	
8)	M	Heptachlor	8.40	7.67	9950437	6038511	16.895	17.149	
9)	M	Aldrin	8.83	7.99	9725679	6166745	17.466	17.462	
10)		Heptachlor Epoxi	9.51	8.66	9124015	5577230	16.622	15.705	
11)		gamma-Chlordane	9.96	9.00	7966118	5744545	15.866	15.306	
12)		alpha-Chlordane	10.02	9.15	7876078	5768422	15.699	15.570	
13)		Endosulfan I	10.04	9.20	6943018	5306127	16.317	15.688	
14)		4,4'-DDE	10.29	9.52	7291001	5810469	17.046	16.748	
15)	M	Dieldrin	10.37	9.61	7393307	5938990	18.131	17.469	
16)	M	Endrin	10.64	10.02	6489932	5584203	20.969	18.290	
17)		4,4'-DDD	10.92	10.29	4661974	3382728	19.976	13.459	#
18)		Endosulfan II	10.98	10.37	5020318	4988531	20.377	16.246	
19)	M	4,4'-DDT	11.26	10.61	3501298	4536739	20.409	18.822	
20)		Endrin Aldehyde	11.11	10.67	3213648	5455181	15.854	20.856	#
21)		Endosulfan Sulfa	11.44	10.91	3755532	4508882	15.406	14.646	
22)		Methoxychlor	11.79	11.43	1764469	2330183	15.660	18.623	
23)		Endrin Ketone	11.87	11.54	4372624	4842063	12.826	13.447	

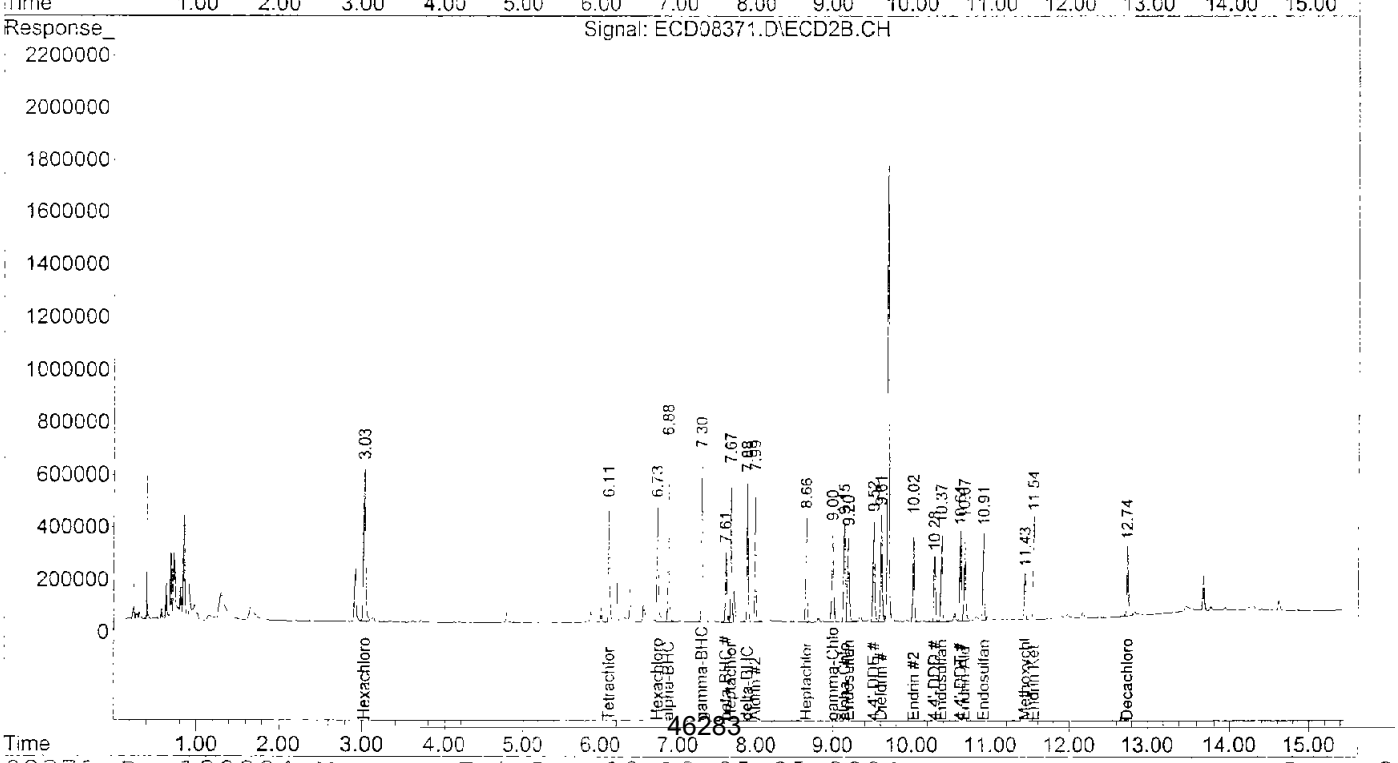
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120904\ECD08371.D\ECD1A.CH Vial: 51
Signal #2 : H:\DATA\120904\ECD08371.D\ECD2B.CH
Acq On : 10 Dec 2004 12:28 am Operator: SJL/CRF
Sample : 125060-04 MSD PE1805 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 10 18:05 2004 Quant Results File: 120904.RES

Quant Method : H:\METHODS\120904.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Dec 10 18:02:52 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46283

01121

LABORATORY WORKSHEETS

01122

Chlorinated Pesticides Worksheet - total

QC Level:Tier IV

Matrix:solid

URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-3
Sample Weight/Volume

Client Sample ID 041123SGA28SS
Date Received 11/24/2004
Date Sampled 1/23/2004 12:45:00 PM

Chlor. Pest. - EPA 8081

Sample number 125060-4
Sample Weight/Volume

Client Sample ID 041123SGA29SS
Date Received 11/24/2004
Date Sampled 11/23/2004 1:15:00 PM

Chlor. Pest. - EPA 8081

Sample number 125060-5
Sample Weight/Volume

Client Sample ID 041123SGA30SS
Date Received 11/24/2004
Date Sampled 11/23/2004 2:15:00 PM

Chlor. Pest. - EPA 8081

Sample number 125060-6
Sample Weight/Volume

Client Sample ID 041123SGA31SS
Date Received 11/24/2004
Date Sampled 11/23/2004 2:30:00 PM

Chlor. Pest. - EPA 8081

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst_____ Date_____

Reviewed by_____ Date 46287 12/27/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01123

Table A
Reporting Limits
Soil/Grit

Chemical	Units	Requested Minimum MRL
Metals		
Antimony	mg/kg	2.5
Arsenic	mg/kg	1
Barium	mg/kg	1
Beryllium	mg/kg	0.5
Cadmium	mg/kg	0.5
Chromium (III)	mg/kg	0.2
Copper	mg/kg	2
Iron	mg/kg	5
Lead	mg/kg	2
Manganese	mg/kg	1
Mercury	mg/kg	0.1
Nickel	mg/kg	8
Selenium	mg/kg	0.5
Silver	mg/kg	1
Thallium	mg/kg	0.5
Tributyltin	mg/kg	0.5
Zinc	mg/kg	2
Pesticides and PCBs		
4,4'-DDD	ug/kg	5
4,4'-DDE	ug/kg	5
4,4'-DDT	ug/kg	5
Aldrin	ug/kg	5
alpha-BHC	ug/kg	5
alpha-Chlordane	ug/kg	5
Aroclor 1016	ug/kg	10
Aroclor 1221	ug/kg	20
Aroclor 1232	ug/kg	10
Aroclor 1242	ug/kg	10
Aroclor 1248	ug/kg	10
Aroclor 1254	ug/kg	10
Aroclor 1260	ug/kg	10
beta-BHC	ug/kg	5
delta-BHC	ug/kg	5
Dieldrin	ug/kg	5
Endosulfan I	ug/kg	5
Endosulfan II	ug/kg	5
Endosulfan sulfate	ug/kg	5
Endrin	ug/kg	5
Endrin aldehyde	ug/kg	5
Endrin ketone	ug/kg	5
gamma-BHC (Lindane)	ug/kg	5
gamma-Chlordane	ug/kg	5
Heptachlor	ug/kg	5
Heptachlor epoxide	ug/kg	5
Methoxychlor	ug/kg	5
Toxaphene	ug/kg	110

01124

Printed -12/7/04

Chlorinated Pesticide Analysis by USEPA Method 8081A

QCBatch ID	PE1805
Sample Matrix	soil
Surrogate Std. No.	1174-27-02
Surrogate Exp Date	1/14/05
8081A MS Spike No.	1174-27-3
MS Exp Date	04/07/05
MeCl2 Lot #	
Hexane Lot #	044523
Acetone Lot #	044098
Extraction Method	3550 Modified

Weighed By/Date sjl 12/7/04

Extracted By/Date: sjl 12/7/04

	QC Identifier	Sample Weight (g)	Final Volume	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	PE1805	10.0000	10	100	
Duplicate	124689r39	10.0000	10	100	
Duplicate-2					
Blank Spike		10.0000	10	100	100
Blank Spike Duplicate		10.0000	10	100	100
Matrix Spike	125060s4	10.6120	10	100	100
Matrix Spike Duplicate	125060d4	10.7032	10	100	100
Matrix Spike-2	125170s2				
Matrix Spike Duplicate-2	125170d2				

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	Sample Cleanup?
125060-3	041123SGA28SS	10.6133	10	100	
125060-4	041123SGA29SS	10.9507	10	100	
125060-5	041123SGA30SS	10.0418	10	100	
125060-6	041123SGA31SS	10.2943	10	100	

01125

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**PE1805**
Client Sample ID	
Date Received	
Date Prepared	**12-07-04**
Date Analyzed	**12-09-04**
Sample matrix type	**solid**
QC sample type	**blank**

Related Blank: noblank

Sample weight (g)	**10**	=	0.01 /kg	Calc. Fact.	1
Extract volume (ml)	**10**	=	10 ml	Dry Weight	10 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	100
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	14.938		74.7	OK		
x	Decachlorobiphenyl	16.917		84.6	OK		
					-		
					-		
					-		
					-		
					-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01126

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**PE1805**
Client Sample ID	
Date Received	
Date Prepared	**12-07-04**
Date Analyzed	**12-09-04**
Sample matrix type	**solid**
QC sample type	**bs**

Related Blank: PE1805

Sample weight (g)	**10**	=	0.01 /kg	Calc. Fact.	1
Extract volume (ml)	**10**	=	10 ml	Dry Weight	10 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	100
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	13.8569		69.3	**OK**		
x	Decachlorobiphenyl	18.091		90.5	**OK**		
					-		
					-		
					-		
					-		
					-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	17.867	C1		17.9	C1	1
x	alpha-BHC	16.393	C1		16.4	C1	1
x	beta-BHC	15.949	C1		15.9	C1	1
x	delta-BHC	17.004	C1		17	C1	1
x	gamma-BHC (Lindane)	16.364	C1		16.4	C1	1
x	4,4'-DDD	20.686	C1		20.7	C1	2
x	4,4'-DDE	17.71	C1		17.7	C1	2
x	4,4'-DDT	20.19	C1		20.2	C1	2
x	Dieldrin	18.879	C1		18.9	C1	2
x	Endosulfan I	17.338	C1		17.3	C1	1
x	Endosulfan II	20.929	C1		20.9	C1	2
x	Endosulfan sulfate	16.255	C1		16.3	C1	2
x	Endrin	21.022	C1		21	C1	2
x	Endrin aldehyde	16.566	C1		16.6	C1	2
x	Heptachlor	17.771	C1		17.8	C1	1
x	Heptachlor epoxide	16.463	C1		16.5	C1	1
x	Methoxychlor	16.805	C1		16.8	C1	10
x	Endrin ketone	14.067	C1		14.1	C1	2
x	alpha-Chlordane	15.612	C1		15.6	C1	1
x	gamma-Chlordane	16.228	C1		16.2	C1	1

STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	Related Blank: PE1805
QC Batch Number	**PE1805**
Client Sample ID	
Date Received	
Date Prepared	**12-07-04**
Date Analyzed	**12-09-04**
Sample matrix type	**solid**
QC sample type	**bsd**

Sample weight (g)	**10**	=	0.01 /kg	Calc. Fact.	1
Extract volume (ml)	**10**	=	10 ml	Dry Weight	10 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids		=	1	Spike Factor	100
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	14.439		72.2	OK		
x	Decachlorobiphenyl	17.424		87.1	OK		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	17.95	C1		18	C1	1
x	alpha-BHC	16.248	C1		16.2	C1	1
x	beta-BHC	15.912	C1		15.9	C1	1
x	delta-BHC	17.072	C1		17.1	C1	1
x	gamma-BHC (Lindane)	16.386	C1		16.4	C1	1
x	4,4'-DDD	21.79	C1		21.8	C1	2
x	4,4'-DDE	17.786	C1		17.8	C1	2
x	4,4'-DDT	20.467	C1		20.5	C1	2
x	Dieldrin	19.127	C1		19.1	C1	2
x	Endosulfan I	17.347	C1		17.3	C1	1
x	Endosulfan II	21.953	C1		22	C1	2
x	Endosulfan sulfate	16.163	C1		16.2	C1	2
x	Endrin	21.471	C1		21.5	C1	2
x	Endrin aldehyde	17.211	C1		17.2	C1	2
x	Heptachlor	17.609	C1		17.6	C1	1
x	Heptachlor epoxide	16.733	C1		16.7	C1	1
x	Methoxychlor	16.758	C1		16.8	C1	10
x	Endrin ketone	14.34	C1		14.3	C1	2
x	alpha-Chlordane	16.2	C1		16.2	C1	1
x	gamma-Chlordane	16.546	C1		16.5	C1	1

STL Seattle

6a **Sample Information**

Th Client Name	URS Corporation	
Work Order Number	125060	
Sample Number	3	Related Blank: PE1805
QC Batch Number	PE1805	
Client Sample ID	041123SGA28SS	
Date Received	11-24-04	
Date Prepared	12-07-04	
Date Analyzed	12-09-04	
Sample matrix type	solid	
QC sample type	sample	

Sample weight (g)	10.6133	=	0.01061 /kg	Calc. Fact.	1.0773085
Extract volume (ml)	10	=	10 ml	Dry Weight	9.28239218 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	87.46	=	0.8746	Spike Factor	107.73085
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	12.337		61.7	OK		
x	Decachlorobiphenyl	15.408		77	OK		
					-		
					-		
					-		
					-		
					-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	beta-BHC	0.884	C1		0.952	J C1	1.08
x	4,4'-DDE	1.58	C2		1.7	J C2	2.15
x	4,4'-DDT	3.15	C1		3.39	C1	2.15

STL Seattle

6a **Sample Information**

Th	Client Name	URS Corporation
	Work Order Number	125060
	Sample Number	4
	QC Batch Number	PE1805
	Client Sample ID	041123SGA29SS
	Date Received	11-24-04
	Date Prepared	12-07-04
	Date Analyzed	12-09-04
	Sample matrix type	solid
	QC sample type	sample

Related Blank: PE1805

Sample weight (g)	10.9507	=	0.01095 /kg	Calc. Fact.	0.980547227
Extract volume (ml)	10	=	10 ml	Dry Weight	10.19838691 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	93.13	=	0.9313	Spike Factor	98.05472266
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	16.166		80.8	OK		
x	Decachlorobiphenyl	17.97		89.9	OK		
					-		
					-		
					-		
					-		
					-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01130

STL Seattle

6a **Sample Information**

Th	Client Name	**URS Corporation**
	Work Order Number	**125060**
	Sample Number	**4**
	QC Batch Number	**PE1805**
	Client Sample ID	**041123SGA29SS**
	Date Received	**11-24-04**
	Date Prepared	**12-07-04**
	Date Analyzed	**12-10-04**
	Sample matrix type	**solid**
	QC sample type	**ms**

Related Blank: PE1805

Sample weight (g)	**10.612**	=	0.01061 /kg	Calc. Fact.	1.011843056
Extract volume (ml)	**10**	=	10 ml	Dry Weight	9.8829556 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**93.13**	=	0.9313	Spike Factor	101.1843056
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	16.915		84.6	OK		
x	Decachlorobiphenyl	13.616		68.1	OK		

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x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	16.219	C1		16.4	C1	1.01
x	alpha-BHC	15.297	C1		15.5	C1	1.01
x	beta-BHC	14.504	C1		14.7	C1	1.01
x	delta-BHC	14.714	C1		14.9	C1	1.01
x	gamma-BHC (Lindane)	15.283	C1		15.5	C1	1.01
x	4,4'-DDD	16.96	C2		17.2	C2	2.02
x	4,4'-DDE	14.893	C1		15.1	C1	2.02
x	4,4'-DDT	17.737	C1		17.9	C1	2.02
x	Dieldrin	16.299	C1		16.5	C1	2.02
x	Endosulfan I	14.095	C1		14.3	C1	1.01
x	Endosulfan II	17.806	C1		18	C1	2.02
x	Endosulfan sulfate	12.961	C1		13.1	C1	2.02
x	Endrin	18.467	C1		18.7	C1	2.02
x	Endrin aldehyde	12.71	C2		12.9	C2	2.02
x	Heptachlor	15.889	C1		16.1	C1	1.01
x	Heptachlor epoxide	15.349	C1		15.5	C1	1.01
x	Methoxychlor	13.252	C1		13.4	C1	10.1
x	Endrin ketone	10.678	C1		10.8	C1	2.02
x	alpha-Chlordane	13.868	C1		14	C1	1.01
x	gamma-Chlordane	13.927	C1		14.1	C1	1.01

STL Seattle

6a **Sample Information**

Th Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**4**
QC Batch Number	**PE1805**
Client Sample ID	**041123SGA29SS**
Date Received	**11-24-04**
Date Prepared	**12-07-04**
Date Analyzed	**12-10-04**
Sample matrix type	**solid**
QC sample type	**msd**

Related Blank: PE1805

Sample weight (g)	**10.7032**	=	0.0107 /kg	Calc. Fact.	1.003221328
Extract volume (ml)	**10**	=	10 ml	Dry Weight	9.96789016 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**93.13**	=	0.9313	Spike Factor	100.3221328
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	17.494		87.5	**OK**		
x	Decachlorobiphenyl	16.972		84.9	**OK**		

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x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	17.466	C1		17.5	C1	1
x	alpha-BHC	16.11	C1		16.2	C1	1
x	beta-BHC	15.821	C1		15.9	C1	1
x	delta-BHC	16.672	C1		16.7	C1	1
x	gamma-BHC (Lindane)	16.25	C1		16.3	C1	1
x	4,4'-DDD	19.976	C1		20	C1	2.01
x	4,4'-DDE	17.046	C1		17.1	C1	2.01
x	4,4'-DDT	20.409	C1		20.5	C1	2.01
x	Dieldrin	18.131	C1		18.2	C1	2.01
x	Endosulfan I	16.317	C1		16.4	C1	1
x	Endosulfan II	20.377	C1		20.4	C1	2.01
x	Endosulfan sulfate	15.406	C1		15.5	C1	2.01
x	Endrin	20.969	C1		21	C1	2.01
x	Endrin aldehyde	15.854	C1		15.9	C1	2.01
x	Heptachlor	16.895	C1		16.9	C1	1
x	Heptachlor epoxide	16.622	C1		16.7	C1	1
x	Methoxychlor	15.66	C1		15.7	C1	10
x	Endrin ketone	12.826	C1		12.9	C1	2.01
x	alpha-Chlordane	15.699	C1		15.7	C1	1
x	gamma-Chlordane	15.866	C1		15.9	C1	1

STL Seattle

6a **Sample Information**

Th Client Name	**URS Corporation**	
Work Order Number	**125060**	
Sample Number	**5**	Related Blank: PE1805
QC Batch Number	**PE1805**	
Client Sample ID	**041123SGA30SS**	
Date Received	**11-24-04**	
Date Prepared	**12-07-04**	
Date Analyzed	**12-10-04**	
Sample matrix type	**solid**	
QC sample type	**sample**	

Sample weight (g)	**10.0418**	=	0.01004 /kg	Calc. Fact.	1.250580685
Extract volume (ml)	**10**	=	10 ml	Dry Weight	7.99628534 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**79.63**	=	0.7963	Spike Factor	125.0580685
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	15.609		78	OK		
x	Decachlorobiphenyl	14.87		74.4	OK		
					-		
					-		
					-		
					-		
					-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

01133

STL Seattle

6a **Sample Information**

Th	Client Name	**URS Corporation**
	Work Order Number	**125060**
	Sample Number	**6**
	QC Batch Number	**PE1805**
	Client Sample ID	**041123SGA31SS**
	Date Received	**11-24-04**
	Date Prepared	**12-07-04**
	Date Analyzed	**12-10-04**
	Sample matrix type	**solid**
	QC sample type	**sample**

Related Blank: PE1805

Sample weight (g)	**10.2943**	=	0.01029 /kg	Calc. Fact.	1.255864723
Extract volume (ml)	**10**	=	10 ml	Dry Weight	7.96264105 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**77.35**	=	0.7735	Spike Factor	125.5864723
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	15.936		79.7	OK		
x	Decachlorobiphenyl	15.692		78.5	OK		
					-		
					-		
					-		
					-		
					-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Heptachlor epoxide	0.505	C2		0.634	J C2	1.26

01134

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08130.D\ECD1A.CH Vial: 93
Signal #2 : H:\DATA\120104\ECD08130.D\ECD2B.CH
Acq On : 01 Dec 2004 11:32 pm Operator: SJL/CRF
Sample : 125060-11 PW0295 Inst : Agilent E
Misc : LIQUID &1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:08:32 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.84	6.08	6501905	3965699	12.405	13.134	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					62.02%	65.67%	
24)	SR	Decachlorobiphen	13.30	12.72	460611	1901988	2.304	9.416	#
		Spiked Amount 20.000 Range 60 - 150 Recovery =					11.52%#	47.08%#	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	7.40	6.77f	152672	136718	0.262	0.429	#
5)	M	gamma-BHC (Linda	7.66f	7.26	408752	328102	0.634	0.855	#
6)		beta-BHC	8.01f	0.00	629619	0	2.075	N.D.	#
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	0.00	7.65	0	190281	N.D.	0.556	#
9)	M	Aldrin	8.80	7.96	522694	377784	0.851	1.059	
10)		Heptachlor Epoxi	9.51f	0.00	1205100	0	2.046	N.D.	#
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	9.10	0	6571730	N.D.	17.410	#
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
14)		4,4'-DDE	10.22f	0.00	466688	0	0.978	N.D.	#
15)	M	Dieldrin	10.34	0.00	173416	0	0.378	N.D.	#
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.	
17)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
18)		Endosulfan II	10.98	10.36	873002	803654	2.583	2.571	
19)	M	4,4'-DDT	0.00	10.64f	0	10149875	N.D.	45.997	#
20)		Endrin Aldehyde	11.05f	10.64	9067886	10149875	34.879	44.132	#
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.81f	11.40	956113	366777	8.887	3.097	#
23)		Endrin Ketone	11.81f	0.00	956113	0	3.157	N.D.	#

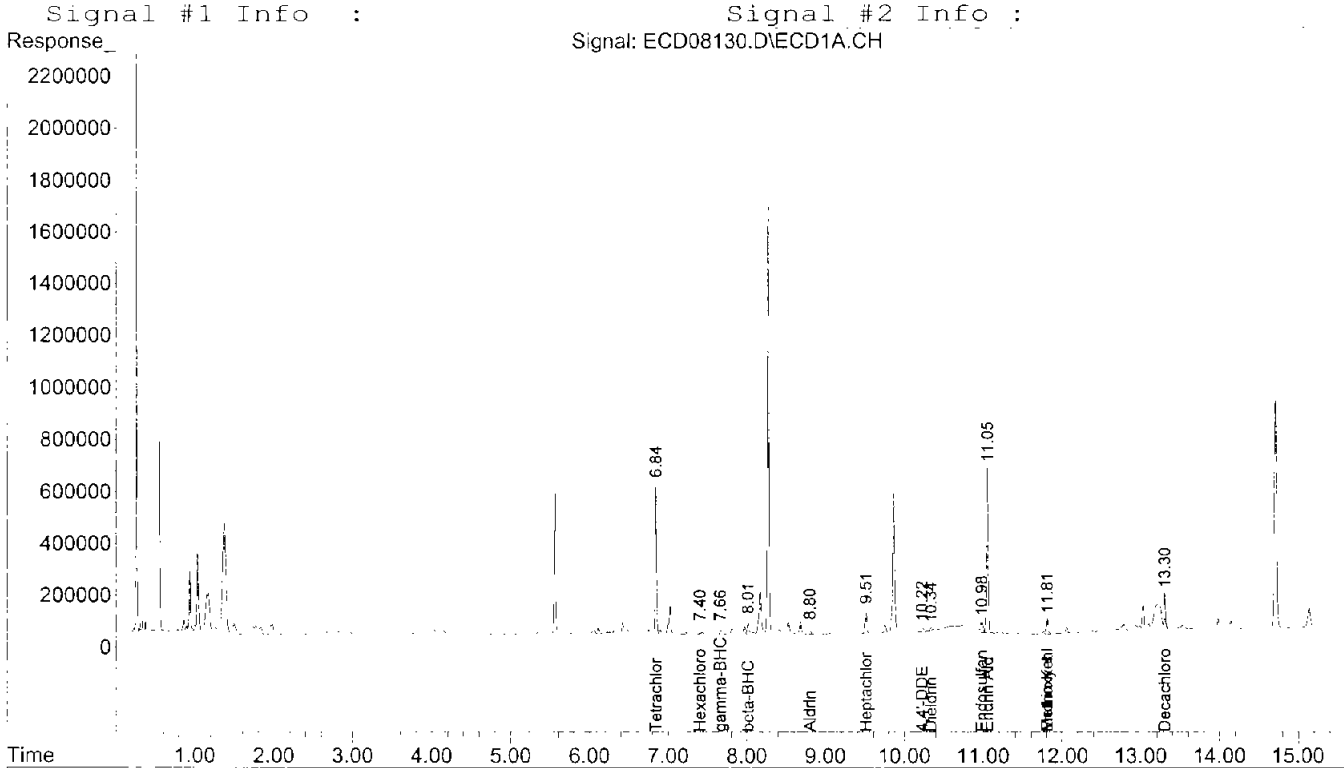
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

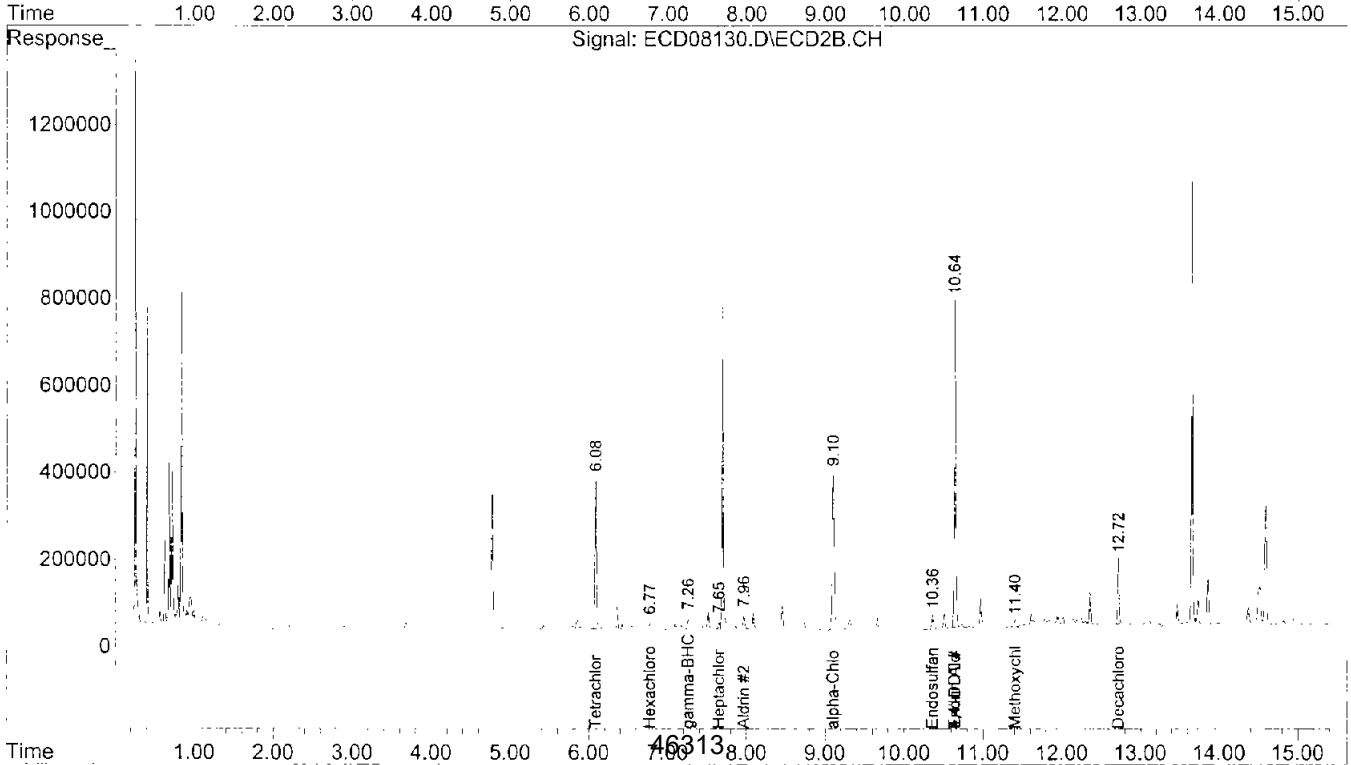
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08130.D\ECD1A.CH Vial: 93
Signal #2 : H:\DATA\120104\ECD08130.D\ECD2B.CH
Acq On : 01 Dec 2004 11:32 pm Operator: SJL/CRF
Sample : 125060-11 PW0295 Inst : Agilent E
Misc : LIQUID &1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:08 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





INITIAL CALIBRATION

01137

Response Factor Report Agilent E

Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004

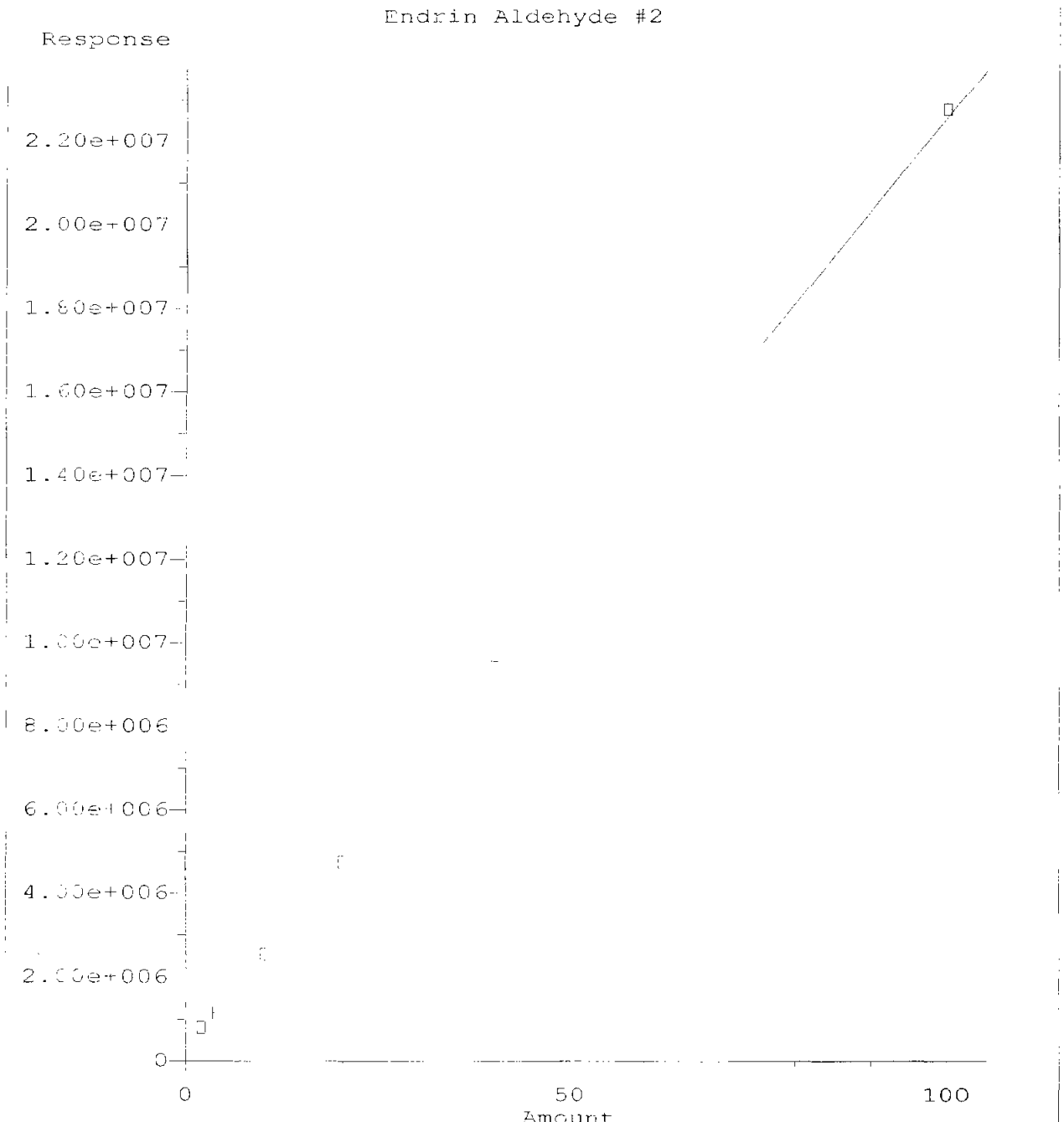
Calibration Files
1 =ECD08119.D 2 =ECD08120.D 5 =ECD08121.D
10 =ECD08122.D 20 =ECD08123.D 50 =ECD08124.D

		Compound	1	2	5	10	20	50	Avg		%RSD
1)	T	Hexachlorobutadi	1.126	1.077	1.089	1.014	1.092	1.066	1.077	E6	3.45
2)	SR	Tetrachloro-m-xy	5.454	5.271	5.310	4.939	5.319	5.154	5.241	E5	3.37
3)		alpha-BHC	6.460	6.475	6.967	6.777	7.683	7.733	7.016	E5	8.11
4)	T	Hexachlorobenzen	6.459	6.154	5.901	5.320	5.629	5.489	5.825	E5	7.37
5)	M	gamma-BHC (Linda	6.290	6.149	6.404	6.139	6.876	6.830	6.448	E5	5.10
6)		beta-BHC	3.450	3.188	3.068	2.766	2.937	2.801	3.035	E5	8.51
7)		delta-BHC	5.504	5.325	5.655	5.465	6.232	6.284	5.744	E5	7.17
8)	M	Heptachlor	6.329	6.189	6.227	6.011	6.912	6.887	6.426	E5	5.93
9)	M	Aldrin	6.499	6.030	6.058	5.677	6.321	6.245	6.139	E5	4.64
10)		Heptachlor Epoxi	6.584	6.037	5.883	5.405	5.780	5.647	5.889	E5	6.83
11)		gamma-Chlordane	6.405	5.804	5.759	5.211	5.622	5.478	5.713	E5	7.02
12)		alpha-Chlordane	6.216	5.804	5.885	5.313	5.702	5.321	5.707	E5	6.09
13)		Endosulfan I	5.445	5.000	4.671	4.371	4.795	4.786	4.845	E5	7.41
14)		4,4'-DDE	5.019	4.764	4.791	4.436	4.864	4.761	4.773	E5	4.01
15)	M	Dieldrin	4.924	4.635	4.596	4.276	4.658	4.442	4.588	E5	4.76
16)	M	Endrin	4.367	4.103	3.951	3.674	4.014	3.901	4.002	E5	5.74
17)		4,4'-DDD	3.565	3.233	3.175	2.940	3.128	3.069	3.185	E5	6.64
18)		Endosulfan II	3.998	3.524	3.380	3.088	3.212	3.078	3.380	E5	10.32
19)	M	4,4'-DDT	2.234	2.027	1.934	1.826	2.039	2.130	2.032	E5	7.06
20)		Endrin Aldehyde	3.139	2.729	2.760	2.420	2.354	2.197	2.600	E5	13.20
21)		Endosulfan Sulfa	2.902	2.616	2.415	2.199	2.299	2.250	2.447	E5	10.94
22)		Methoxychlor	1.093	1.070	1.053	1.027	1.113	1.100	1.076	E5	2.99
23)		Endrin Ketone	3.243	3.046	2.977	2.834	3.054	3.017	3.028	E5	4.37
24)	SR	Decachlorobiphen	2.121	1.984	1.961	1.879	2.040	2.010	1.999	E5	4.04

Signal #2 Calibration Files
1 =ECD08119.D 2 =ECD08120.D 5 =ECD08121.D
10 =ECD08122.D 20 =ECD08123.D 50 =ECD08124.D

		Compound	1	2	5	10	20	50	Avg		%RSD
1)	T	Hexachlorobutadi	7.191	6.860	6.701	6.166	6.599	6.688	6.701	E5	5.00
2)	SR	Tetrachloro-m-xy	2.995	2.933	3.050	2.889	3.189	3.061	3.019	E5	3.52
3)		alpha-BHC	4.066	3.893	4.153	4.073	4.597	4.662	4.241	E5	7.39
4)	T	Hexachlorobenzen	3.354	3.187	3.205	3.028	3.212	3.145	3.189	E5	3.32
5)	M	gamma-BHC (Linda	3.679	3.633	3.754	3.749	4.108	4.106	3.838	E5	5.56
6)		beta-BHC	1.634	1.644	1.607	1.503	1.586	1.544	1.586	E5	3.43
7)		delta-BHC	3.376	3.274	3.448	3.271	3.636	3.749	3.459	E5	5.66
8)	M	Heptachlor	3.280	3.218	3.277	3.285	3.713	3.765	3.423	E5	7.20
9)	M	Aldrin	3.612	3.443	3.540	3.360	3.729	3.726	3.568	E5	4.19
10)		Heptachlor Epoxi	3.601	3.444	3.456	3.229	3.534	3.437	3.450	E5	3.64
11)		gamma-Chlordane	3.693	3.542	3.551	3.403	3.752	3.766	3.618	E5	3.95
12)		alpha-Chlordane	4.302	3.801	3.651	3.442	3.747	3.705	3.775	E5	7.58
13)		Endosulfan I	3.584	3.394	3.302	3.086	3.301	3.279	3.324	E5	4.90
14)		4,4'-DDE	3.291	3.217	3.340	3.283	3.665	3.645	3.407	E5	5.77
15)	M	Dieldrin	3.316	3.244	3.346	3.230	3.561	3.453	3.359	E5	3.80
16)	M	Endrin	2.933	2.858	2.859	2.755	3.039	2.974	2.903	E5	3.46
17)		4,4'-DDD	2.557	2.481	2.604	2.509	2.791	2.765	2.618	E5	5.02
18)		Endosulfan II	3.464	3.164	3.135	2.921	3.101	2.973	3.126	E5	6.10
19)	M	4,4'-DDT	2.016	2.017	2.082	2.089	2.460	2.577	2.207	E5	11.16
20)		Endrin Aldehyde	4.004	2.856	2.551	2.371	2.424	2.276	2.747	E5	23.58
21)		Endosulfan Sulfa	3.285	3.130	3.098	2.931	3.143	3.026	3.102	E5	3.84
22)		Methoxychlor	1.200	1.190	1.177	1.130	1.222	1.188	1.184	E5	2.59
23)		Endrin Ketone	3.535	3.410	3.439	3.262	3.467	3.264	3.396	E5	3.27
24)	SR	Decachlorobiphen	2.281	2.103	1.959	1.862	2.002	1.913	2.020	E5	7.52

(#) = Out of Range



Response = 2.22e+005 * Amt + 3.36e+005
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)

Method Name: H:\METHODS\120104.M
Calibration Table Last Updated: Thu Dec 02 08:05:44 2004

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08119.D\ECD1A.CH Vial: 3
Signal #2 : H:\DATA\120104\ECD08119.D\ECD2B.CH
Acq On : 12-1-2004 07:41:51 PM Operator: SJL/CRF
Sample : 1.0ug/l 8081 std 1174-25-02 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:39:49 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

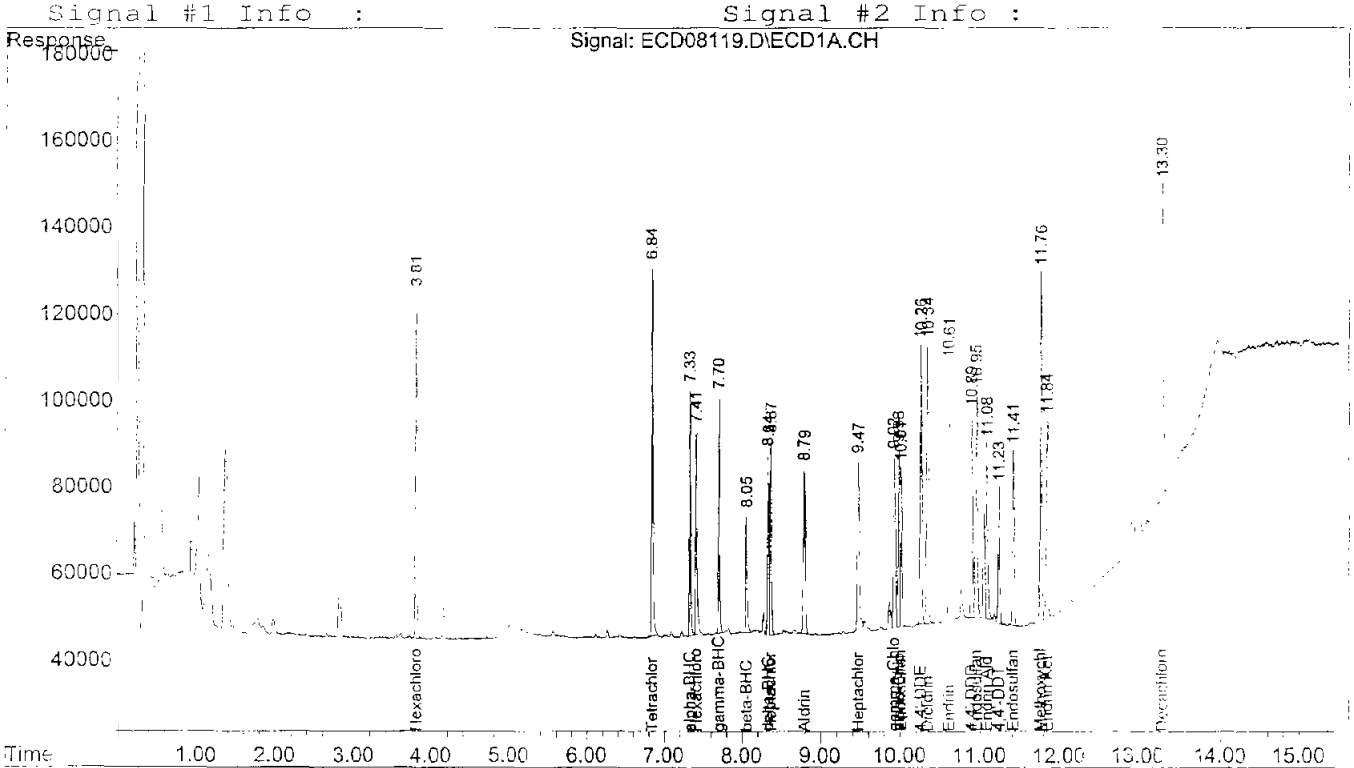
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	1090741	598902	2.081	1.983
		Spiked Amount 20.000 Range 60 - 150 Recovery =					10.41%#	9.92%#
24)	SR	Decachlorobiphen	13.30	12.72	848302	912244	4.243	4.516
		Spiked Amount 20.000 Range 60 - 150 Recovery =					21.22%#	22.58%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	1126419	719094	1.045	1.073
3)		alpha-BHC	7.33	6.88	646008	406628	0.921	0.959
4)	T	Hexachlorobenzen	7.41	6.71	645916	335390	1.109	1.052
5)	M	gamma-BHC (Linda	7.70	7.28	628990	367889	0.975	0.958
6)		beta-BHC	8.05	7.58	344990	163418	1.137	1.030
7)		delta-BHC	8.34	7.86	550427	337578	0.958	0.976
8)	M	Heptachlor	8.37	7.65	632949	328014	0.985	0.958
9)	M	Aldrin	8.79	7.96	649939	361153	1.059	1.012
10)		Heptachlor Epoxi	9.48	8.62	658384	360063	1.118	1.044
11)		gamma-Chlordane	9.92	8.96	640476	369259	1.121	1.021
12)		alpha-Chlordane	9.98	9.11	621553	430160	1.089	1.140
13)		Endosulfan I	10.01	9.16	544530	358436	1.124	1.078
14)		4,4'-DDE	10.26	9.49	1003766	658122	2.103	1.932
15)	M	Dieldrin	10.34	9.58	984741	663287	2.146	1.975
16)	M	Endrin	10.61	9.99	873358	586612	2.181	2.021
17)		4,4'-DDD	10.89	10.28	712947	511430	2.238	1.954
18)		Endosulfan II	10.95	10.34	799685	692736	2.366	2.216
19)	M	4,4'-DDT	11.23	10.59	446881	403132	2.200	1.827
20)		Endrin Aldehyde	11.08	10.64	627869	800801	2.415	2.091
21)		Endosulfan Sulfa	11.41	10.88	580321	656933	2.372	2.118
22)		Methoxychlor	11.76	11.41	1092750	1199707	10.157	10.130
23)		Endrin Ketone	11.84	11.52	648502	706949	2.141	2.082

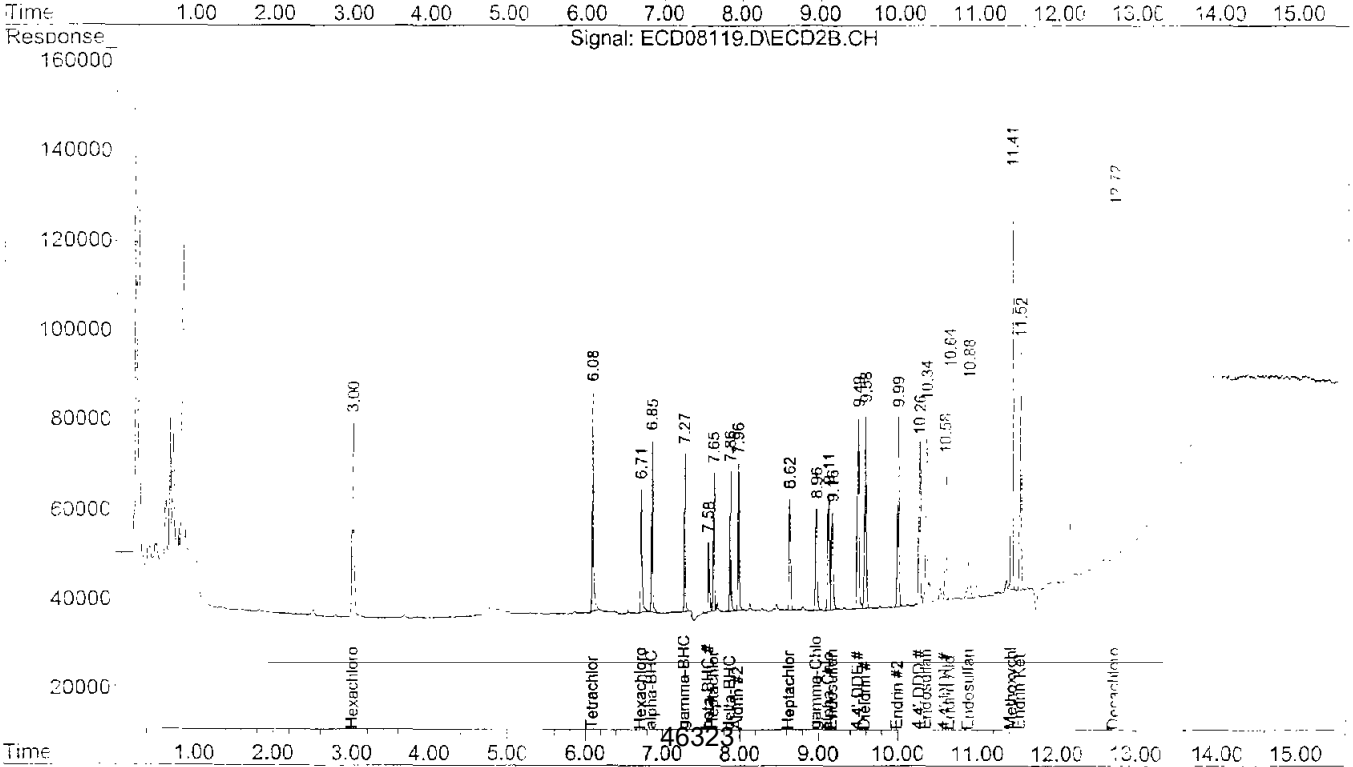
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08119.D\ECD1A.CH Vial: 3
Signal #2 : H:\DATA\120104\ECD08119.D\ECD2B.CH
Acq On : 12-1-2004 07:41:51 PM Operator: SJL/CRF
Sample : 1.0ug/l 8081 std 1174-25-02 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:39 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46323

0141

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08120.D\ECD1A.CH Vial: 4
Signal #2 : H:\DATA\120104\ECD08120.D\ECD2B.CH
Acq On : 12-1-2004 08:02:49 PM Operator: SJL/CRF
Sample : 2.0ug/l 8081 std 1174-25-03 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:39:58 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

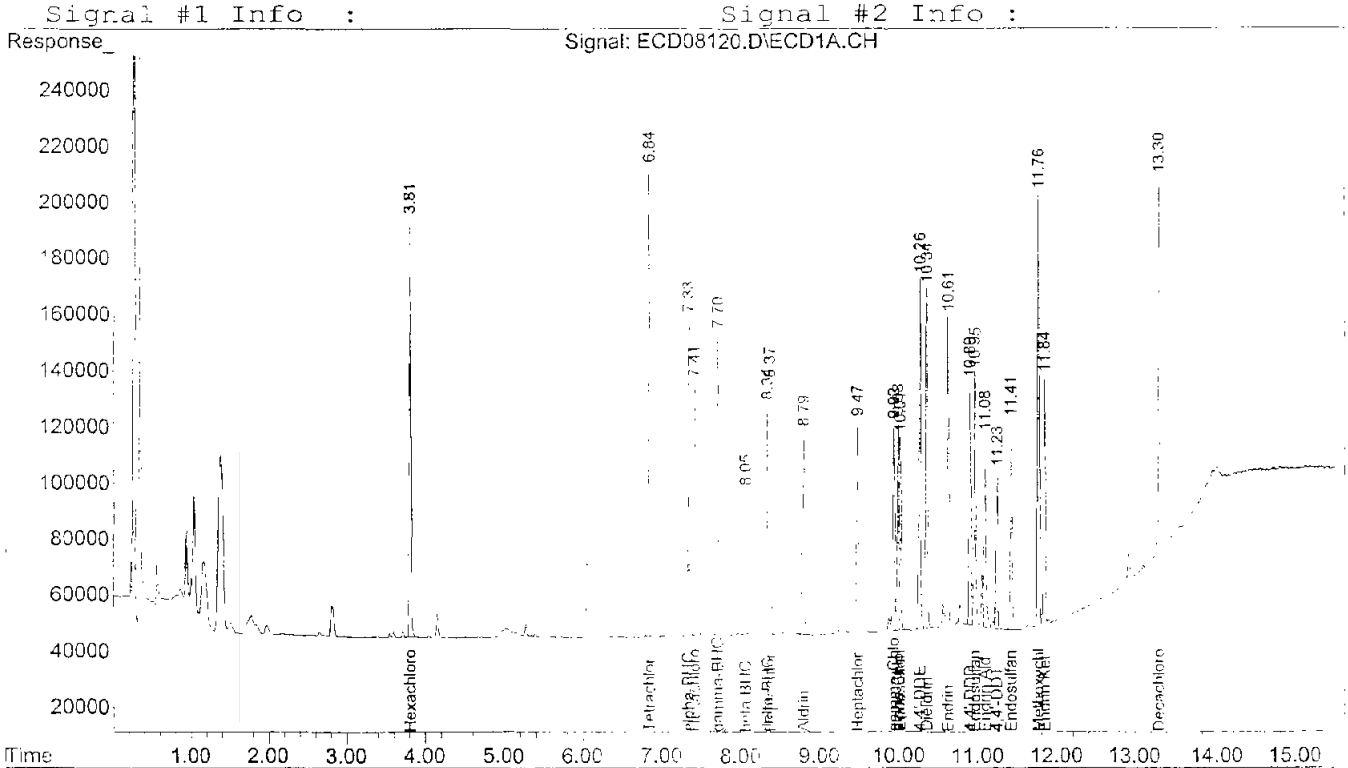
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
2) SR Tetrachloro-m-xy	6.84	6.08	2108501	1173281	4.023	3.886
Spiked Amount 20.000 Range 60 - 150 Recovery =					20.11%#	19.43%#
24) SR Decachlorobiphen	13.30	12.72	1586885	1682584	7.938	8.330
Spiked Amount 20.000 Range 60 - 150 Recovery =					39.69%#	41.65%#
Target Compounds						
1) T Hexachlorobutadi	3.81	3.01	2153777	1371935	1.999	2.047
3) alpha-BHC	7.33	6.85	1295035	778641	1.846	1.836
4) T Hexachlorobenzen	7.41	6.71	1230728	637461	2.113	1.999
5) M gamma-BHC (Linda	7.70	7.28	1229864	726509	1.907	1.893
6) beta-BHC	8.06	7.58	637592	328854	2.101	2.073
7) delta-BHC	8.34	7.86	1064933	654895	1.854	1.893
8) M Heptachlor	8.37	7.65	1237816	643601	1.926	1.880
9) M Aldrin	8.79	7.96	1206036	688695	1.965	1.930
10) Heptachlor Epoxi	9.47	8.62	1207335	688858	2.050	1.997
11) gamma-Chlordane	9.92	8.96	1160869	708324	2.032	1.958
12) alpha-Chlordane	9.98	9.11	1160791	760233	2.034	2.014
13) Endosulfan I	10.01	9.16	1000054	678741	2.064	2.042
14) 4,4'-DDE	10.26	9.49	1905462	1286910	3.993	3.777
15) M Dieldrin	10.34	9.58	1854107	1297743	4.041	3.864
16) M Endrin	10.61	9.99	1641223	1143148	4.101	3.938
17) 4,4'-DDD	10.89	10.26	1293344	992323	4.061	3.790
18) Endosulfan II	10.95	10.34	1409620	1265654	4.170	4.049
19) M 4,4'-DDT	11.23	10.58	810963	806867	3.991	3.657
20) Endrin Aldehyde	11.09	10.64	1091773	1142540	4.199	3.628
21) Endosulfan Sulfa	11.41	10.88	1046243	1251937	4.276	4.036
22) Methoxychlor	11.76	11.41	2140585	2379128	19.897	20.089
23) Endrin Ketone	11.84	11.51	1218366	1363875	4.023	4.016

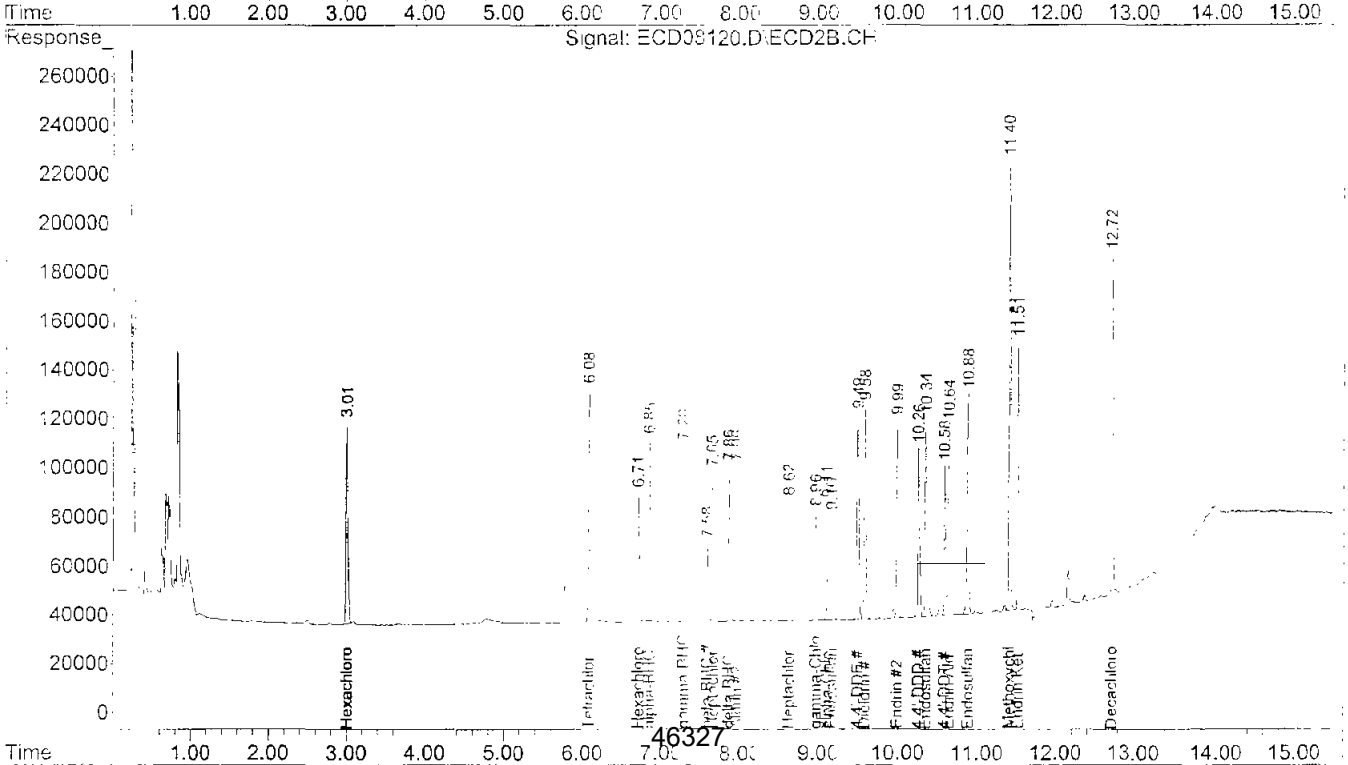
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08120.D\ECD1A.CH Vial: 4
Signal #2 : H:\DATA\120104\ECD08120.D\ECD2B.CH
Acq On : 12-1-2004 08:02:49 PM Operator: SJL/CRF
Sample : 2.0ug/l 8081 std 1174-25-03 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:40 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46327

01143

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08121.D\ECD1A.CH Vial: 5
Signal #2 : H:\DATA\120104\ECD08121.D\ECD2B.CH
Acq On : 12-1-2004 08:23:42 PM Operator: SJL/CRF
Sample : 5.0ug/l 8081 std 1174-25-04 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:40:07 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

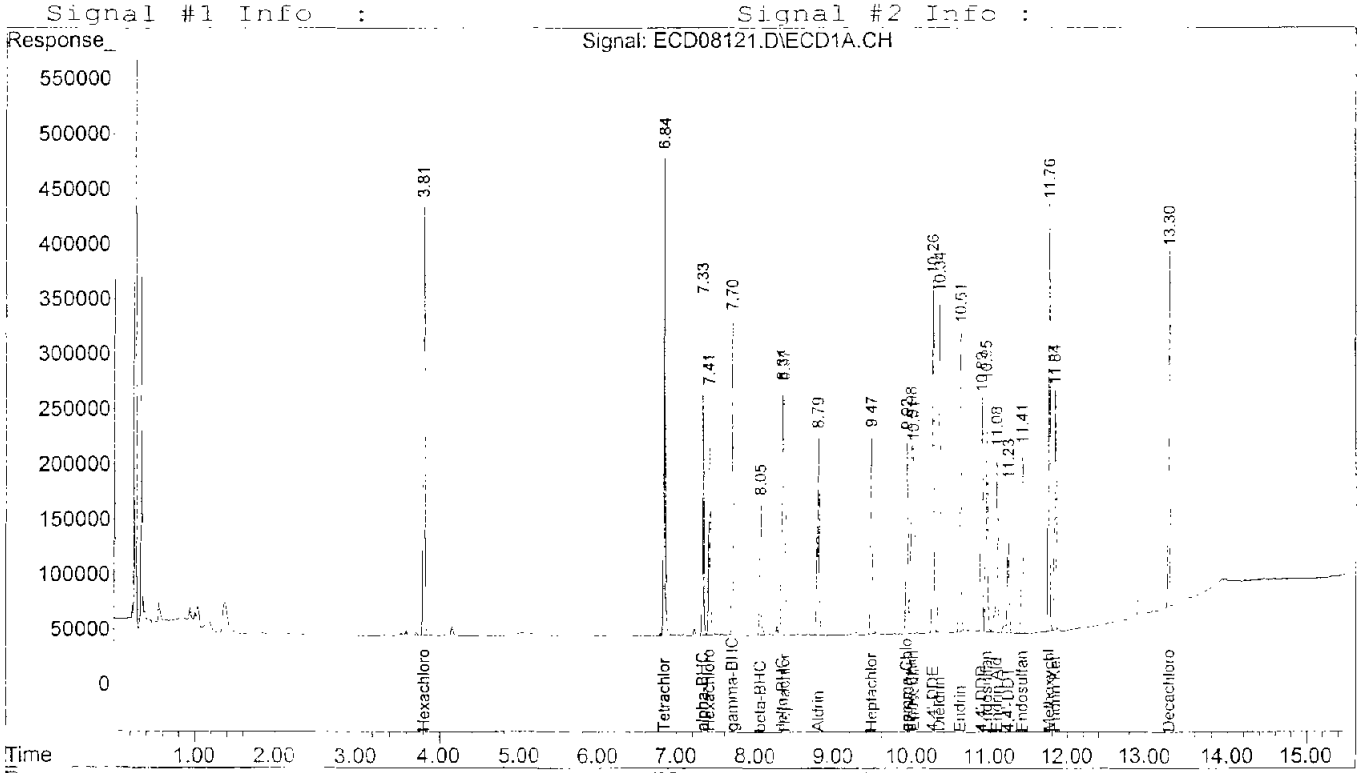
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	5310063	3050312	10.131	10.102
Spiked Amount			20.000	Range	60 - 150	Recovery	=	50.66%# 50.51%#
24)	SR	Decachlorobiphen	13.30	12.72	3921939	3918883	19.617	19.400
Spiked Amount			20.000	Range	60 - 150	Recovery	=	98.08% 97.00%
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	5444772	3350704	5.053	5.000
3)		alpha-BHC	7.33	6.85	3483722	2076320	4.965	4.896
4)	T	Hexachlorobenzen	7.41	6.71	2950563	1602456	5.065	5.026
5)	M	gamma-BHC (Linda	7.70	7.28	3201843	1877004	4.966	4.890
6)		beta-BHC	8.06	7.58	1533949	803614	5.054	5.066
7)		delta-BHC	8.34	7.86	2827295	1724045	4.922	4.984
8)	M	Heptachlor	8.37	7.65	3113646	1638653	4.845	4.787
9)	M	Aldrin	8.79	7.96	3029233	1769786	4.935	4.960
10)		Heptachlor Epoxi	9.47	8.62	2941461	1727836	4.995	5.008
11)		gamma-Chlordane	9.92	8.96	2879629	1775516	5.040	4.908
12)		alpha-Chlordane	9.98	9.11	2942568	1825386	5.156	4.836
13)		Endosulfan I	10.01	9.16	2335294	1651024	4.820	4.966
14)		4,4'-DDE	10.26	9.49	4791472	3340099	10.040	9.804
15)	M	Dieldrin	10.34	9.58	4596128	3346132	10.017	9.963
16)	M	Endrin	10.61	9.99	3951005	2859073	9.873	9.849
17)		4,4'-DDD	10.89	10.26	3175068	2604163	9.969	9.947
18)		Endosulfan II	10.95	10.34	3379804	3134889	9.999	10.028
19)	M	4,4'-DDT	11.23	10.58	1933602	2081598	9.517	9.433
20)		Endrin Aldehyde	11.09	10.64	2759769	2550907	10.615	9.961
21)		Endosulfan Sulfa	11.41	10.88	2415442	3097804	9.872	9.986
22)		Methoxychlor	11.76	11.41	5264392	5883438	48.934	49.679
23)		Endrin Ketone	11.84	11.52	2976742	3438579	9.829	10.125

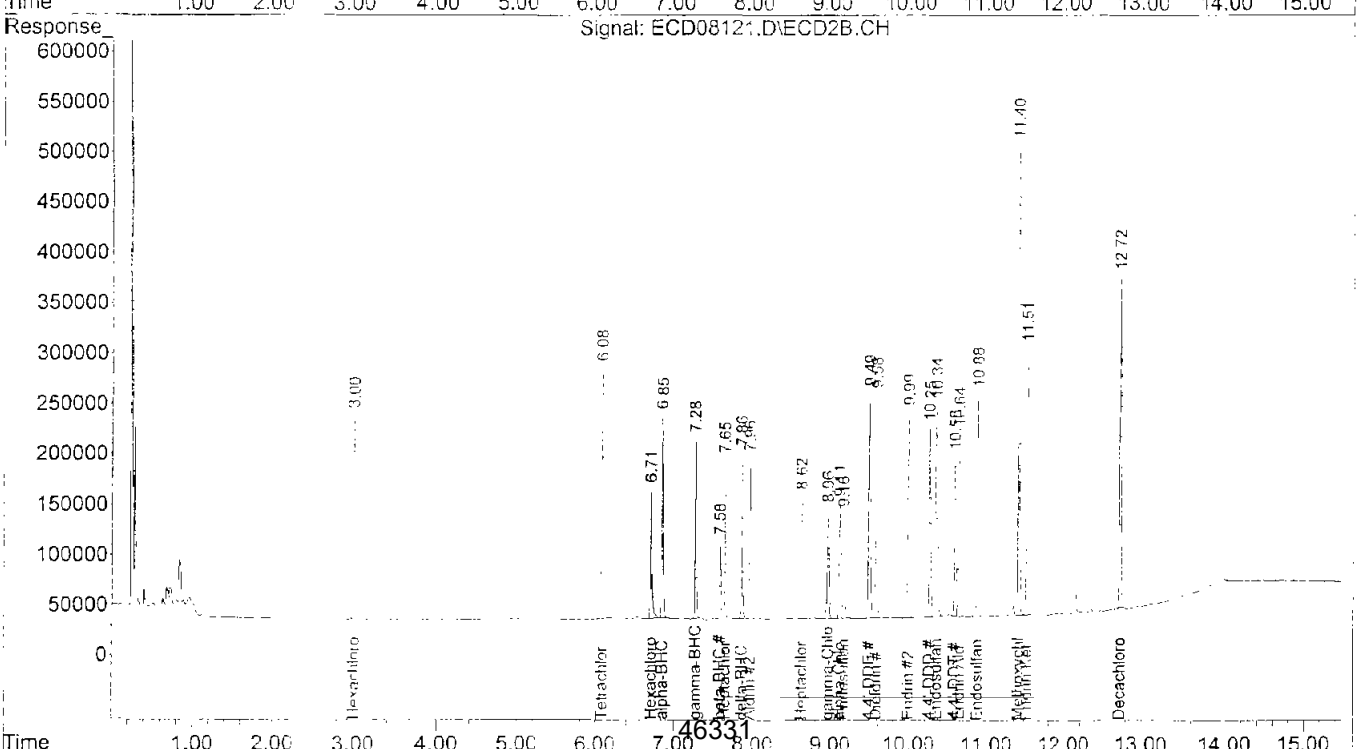
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08121.D\ECD1A.CH Vial: 5
Signal #2 : H:\DATA\120104\ECD08121.D\ECD2B.CH
Acq On : 12-1-2004 08:23:42 PM Operator: SJL/CRF
Sample : 5.0ug/l 8081 std 1174-25-04 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:40 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46331

01145

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08122.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\120104\ECD08122.D\ECD2B.CH
Acq On : 12-1-2004 08:44:37 PM Operator: SJL/CRF
Sample : 10ug/l 8081 std 1174-25-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:40:18 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

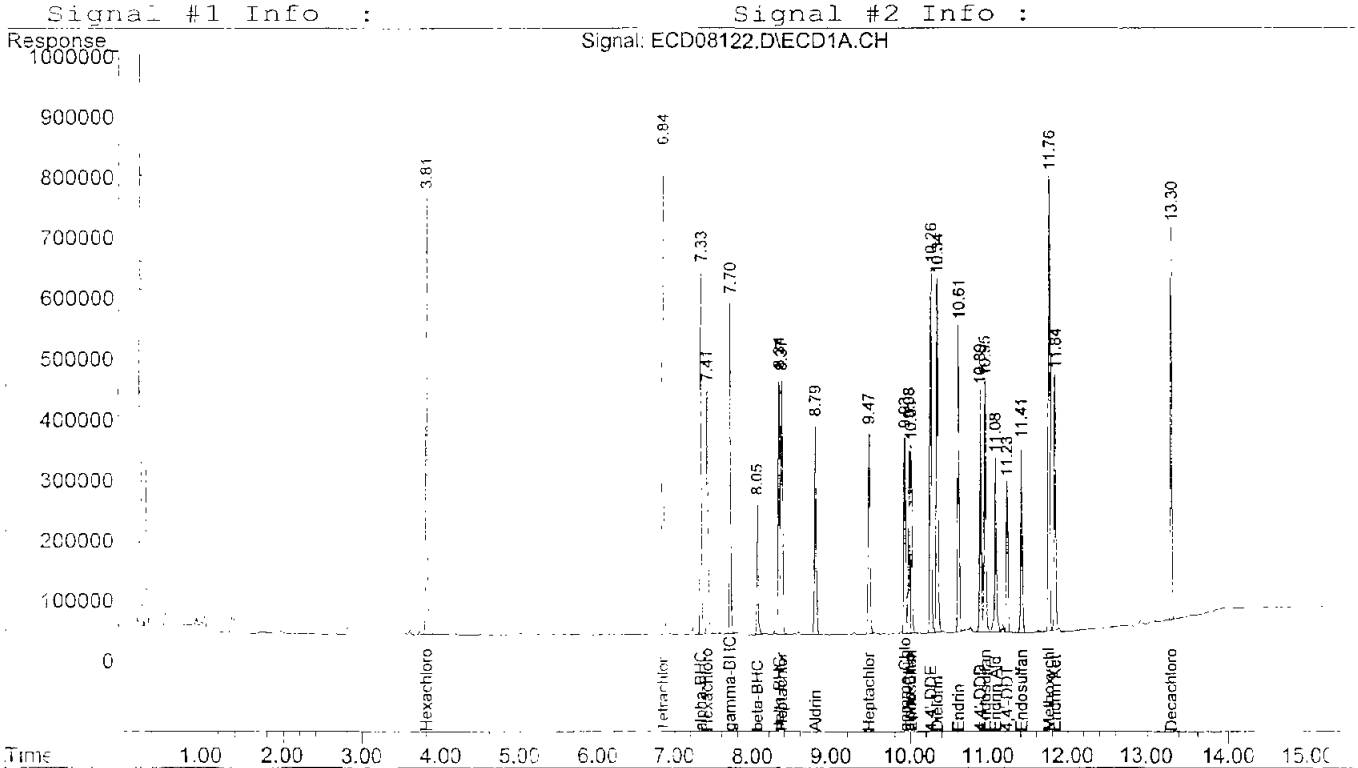
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
2)	SR Tetrachloro-m-xy	6.84	6.08	9878524	5777327	18.848	19.134
	Spiked Amount 20.000 Range 60 - 150 Recovery =					94.24%	95.67%
24)	SR Decachlorobiphen	13.30	12.72	7517759	7448132	37.603	36.872
	Spiked Amount 20.000 Range 60 - 150 Recovery =					188.01%#	184.36%#
	Target Compounds						
1)	T Hexachlorobutadi	3.81	3.00	10140437	6165856	9.412	9.202
3)	alpha-BHC	7.33	6.85	6777121	4073139	9.659	9.605
4)	T Hexachlorobenzen	7.41	6.71	5320474	3027775	9.133	9.496
5)	M gamma-BHC (Linda	7.70	7.28	6199465	3749378	9.522	9.769
6)	beta-BHC	8.06	7.58	2766218	1503194	9.115	9.476
7)	delta-BHC	8.34	7.86	5464925	3370908	9.514	9.456
8)	M Heptachlor	8.37	7.65	6011137	3284380	9.355	9.596
9)	M Aldrin	8.79	7.96	5677136	3360433	9.248	9.418
10)	Heptachlor Epoxi	9.47	8.62	5404812	3228664	9.177	9.358
11)	gamma-Chlordane	9.92	8.96	5211295	3402584	9.121	9.406
12)	alpha-Chlordane	9.99	9.11	5312872	3442438	9.310	9.120
13)	Endosulfan I	10.01	9.16	4371445	3085665	9.023	9.282
14)	4,4'-DDE	10.26	9.49	8872343	6565097	18.590	19.270
15)	M Dieldrin	10.34	9.58	8552505	6459701	18.639	19.233
16)	M Endrin	10.61	9.99	7348506	5509368	18.363	18.978
17)	4,4'-DDD	10.89	10.26	5879207	5018106	18.459	19.168
18)	Endosulfan II	10.95	10.34	6175898	5942606	18.272	18.689
19)	M 4,4'-DDT	11.23	10.58	3651034	4177674	17.970	18.932
20)	Endrin Aldehyde	11.09	10.64	4840477	4741018	18.619	19.810
21)	Endosulfan Sulfa	11.41	10.88	4398756	5861966	17.977	18.897
22)	Methoxychlor	11.76	11.41	10267204	11299184	95.437	95.409
23)	Endrin Ketone	11.84	11.52	5667816	6824514	18.715	19.212

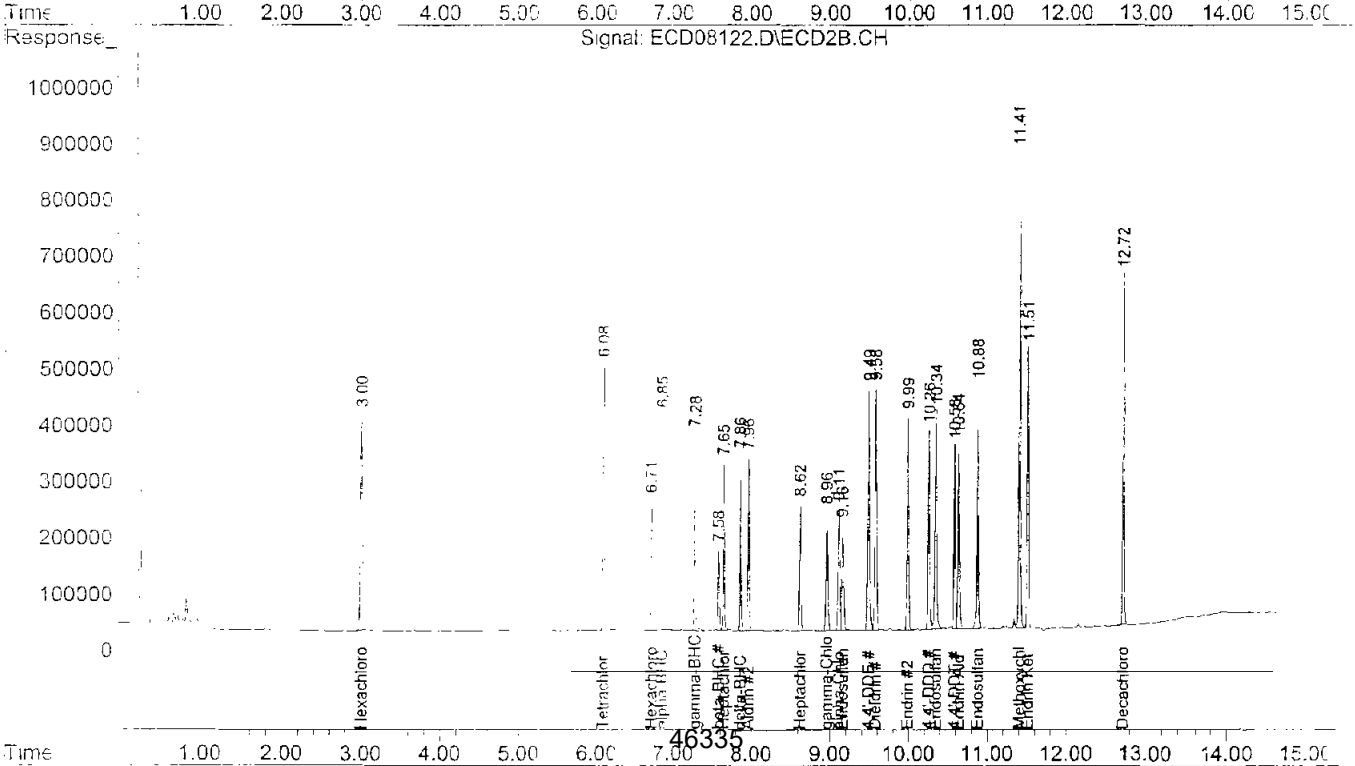
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08122.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\120104\ECD08122.D\ECD2B.CH
Acq On : 12-1-2004 08:44:37 PM Operator: SJL/CRF
Sample : 10ug/l 8081 std 1174-25-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:40 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01147

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08123.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120104\ECD08123.D\ECD2B.CH
Acq On : 12-1-2004 09:05:39 PM Operator: SJL/CRF
Sample : 20ug/l 8081 std 1174-25-06 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:40:28 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

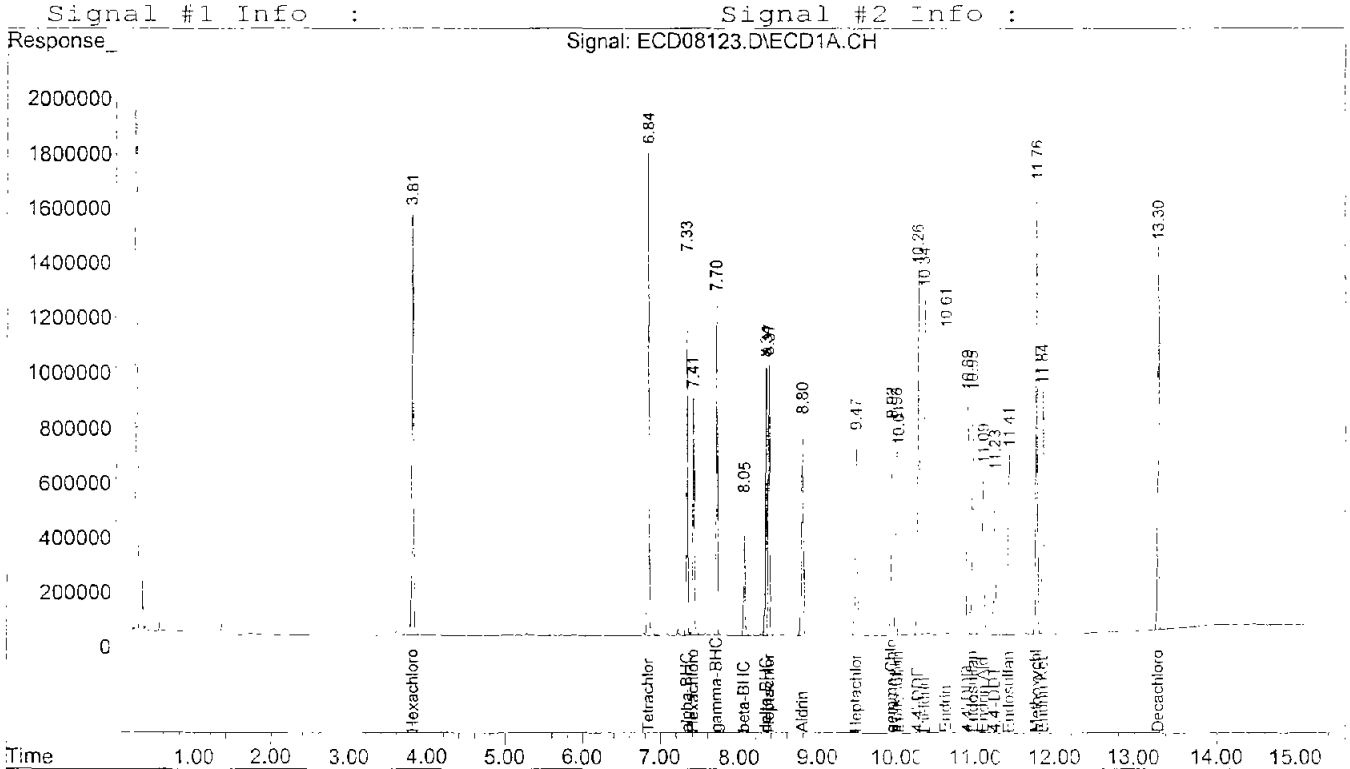
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
2)	SR Tetrachloro-m-xy	6.84	6.08	21276135	12755604	40.593	42.245
	Spiked Amount 20.000 Range 60 - 150 Recovery =					202.97%#	211.22%#
24)	SR Decachlorobiphen	13.30	12.72	16322238	16013987	81.643	79.277
	Spiked Amount 20.000 Range 60 - 150 Recovery =					408.22%#	396.38%#
	Target Compounds						
1)	T Hexachlorobutadi	3.81	3.00	21842388	13197966	20.272	19.696
3)	alpha-BHC	7.33	6.85	15366534	9194170	21.902	21.681
4)	T Hexachlorobenzen	7.41	6.71	11258205	6424830	19.326	20.149
5)	M gamma-BHC (Linda	7.70	7.28	13751815	8215712	21.327	21.405
6)	beta-BHC	8.06	7.58	5873828	3171133	19.354	19.990
7)	delta-BHC	8.34	7.86	12463085	7271213	21.698	21.022
8)	M Heptachlor	8.27	7.65	13823224	7425513	21.512	21.693
9)	M Aldrin	8.80	7.96	12641963	7457074	20.594	20.899
10)	Heptachlor Epoxi	9.47	8.62	11560684	7068121	19.630	20.487
11)	gamma-Chlordane	9.82	8.96	11243123	7504544	19.679	20.745
12)	alpha-Chlordane	9.98	9.11	11403188	7494541	19.982	19.854
13)	Endosulfan I	10.02	9.16	9589857	6602925	19.795	19.862
14)	4,4'-DDE	10.36	9.49	19456505	14660383	40.767	43.033
15)	M Dieldrin	10.34	9.58	18630305	14245298	40.602	42.418
16)	M Endrin	10.61	9.99	16057087	12156638	40.125	41.876
17)	4,4'-DDD	10.89	10.26	12513427	11164513	39.289	42.646
18)	Endosulfan II	10.98	10.35	12846507	12402218	38.007	39.672
19)	M 4,4'-DDT	11.23	10.58	8157922	9838373	40.153	44.585
20)	Endrin Aldehyde	11.09	10.64	9414126	9697506	36.211	42.098
21)	Endosulfan Sulfa	11.43	10.88	9195959	12572241	37.583	40.529
22)	Methoxychlor	11.76	11.41	22251531	24432834	206.834	206.309
23)	Endrin Ketone	11.84	11.52	12217007	13869316	40.341	40.839

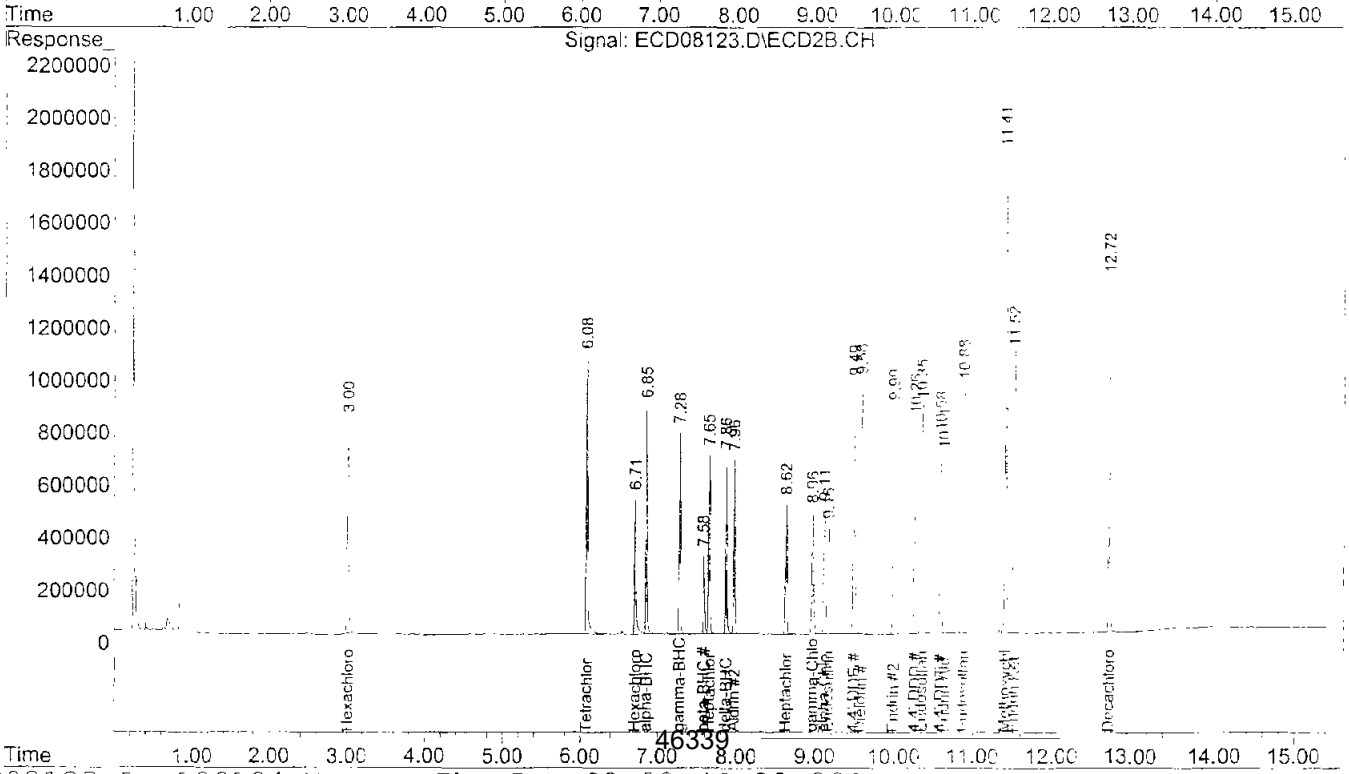
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08123.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\120104\ECD08123.D\ECD2B.CH
Acq On : 12-1-2004 09:05:39 PM Operator: SJL/CRF
Sample : 20ug/l 8081 std 1174-25-06 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:40 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08124.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\120104\ECD08124.D\ECD2B.CH
Acq On : 12-1-2004 09:26:33 PM Operator: SJL/CRF
Sample : 50ug/1 8081 std 1174-25-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:40:37 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

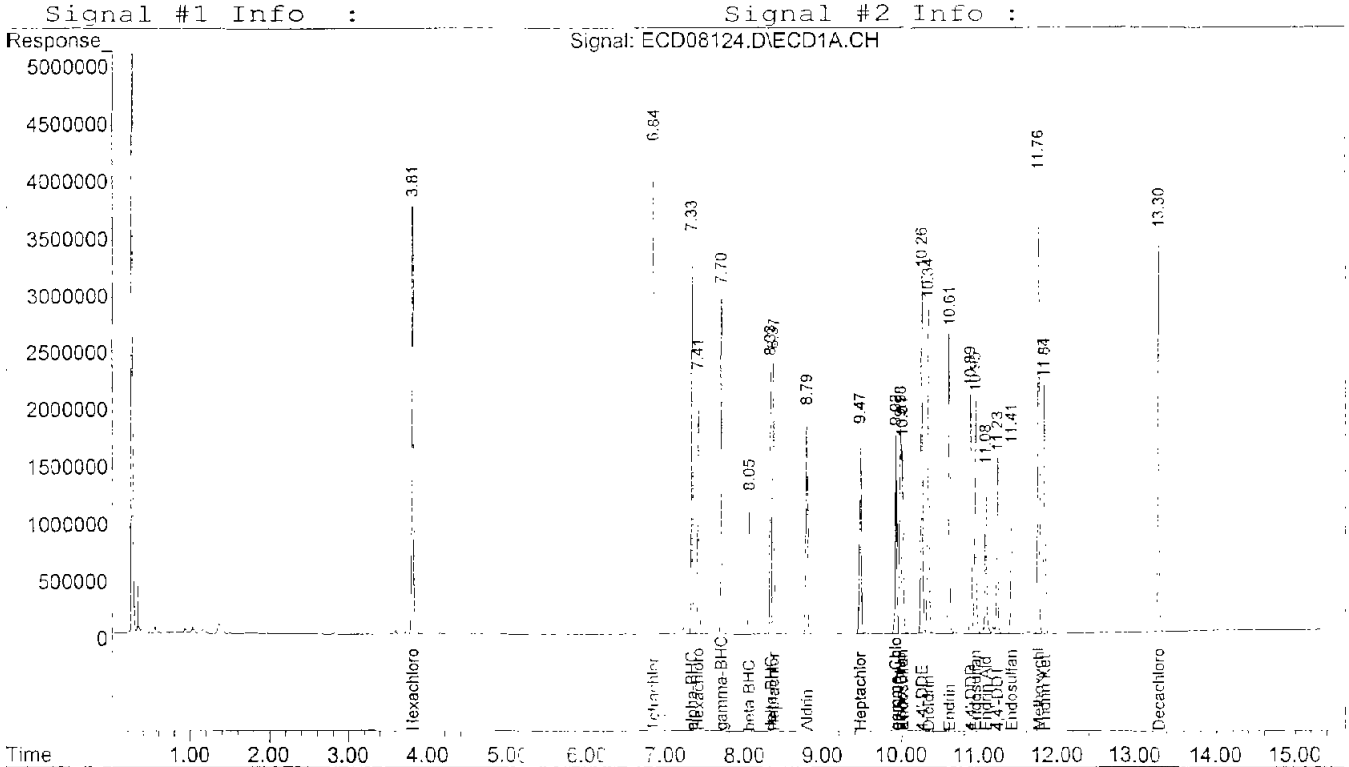
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.06	51543922	30611566	98.342	101.381
		Spiked Amount 20.000 Range 60 - 150 Recovery =					491.71%#	506.90%#
24)	SR	Decachlorobiphen	13.30	12.72	40205262	38259056	201.105	189.401
		Spiked Amount 20.000 Range 60 - 150 Recovery =					1005.52%#	947.01%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	53311847	33438460	49.480	49.902
3)		alpha-BHC	7.33	6.85	38665206	23308158	55.110	54.963
4)	T	Hexachlorobenzen	7.41	6.71	27444958	15726372	47.112	49.321
5)	M	gamma-BHC (Linda	7.70	7.28	34147628	20532129	52.959	53.494
6)		beta-BHC	8.05	7.58	14004289	7717682	46.143	48.651
7)		delta-BHC	8.34	7.86	31420119	18743069	54.701	54.188
8)	M	Heptachlor	8.37	7.65	34432928	18824310	53.585	54.995
9)	M	Aldrin	8.79	7.96	31226639	18628455	50.869	52.207
10)		Heptachlor Epoxi	9.47	8.62	28233234	17182897	47.941	49.806
11)		gamma-Chlordane	9.92	8.96	27391815	18827779	47.944	52.045
12)		alpha-Chlordane	9.98	9.11	26603070	18526990	46.618	49.081
13)		Endosulfan I	10.01	9.16	23927519	16393842	49.389	49.315
14)		4,4'-DDE	10.26	9.49	47612273	36452507	99.762	106.999
15)	M	Dieldrin	10.54	9.58	44419141	34534281	96.806	102.824
16)	M	Endrin	10.61	9.99	39009943	29741681	97.483	102.451
17)		4,4'-DDD	10.89	10.26	30689317	27654736	96.355	105.635
18)		Endosulfan II	10.95	10.34	30781719	29727026	91.070	95.090
19)	M	4,4'-DDT	11.23	10.58	21299534	25770038	104.835	116.784
20)		Endrin Aldehyde	11.09	10.64	21966046	22764289	84.491	100.858
21)		Endosulfan Sulfa	11.41	10.88	22500843	30259794	91.958	97.548
22)		Methoxychlor	11.76	11.41	54983312	59409923	511.086	501.652
23)		Endrin Ketone	11.84	11.51	30173172	32639030	99.633	96.108

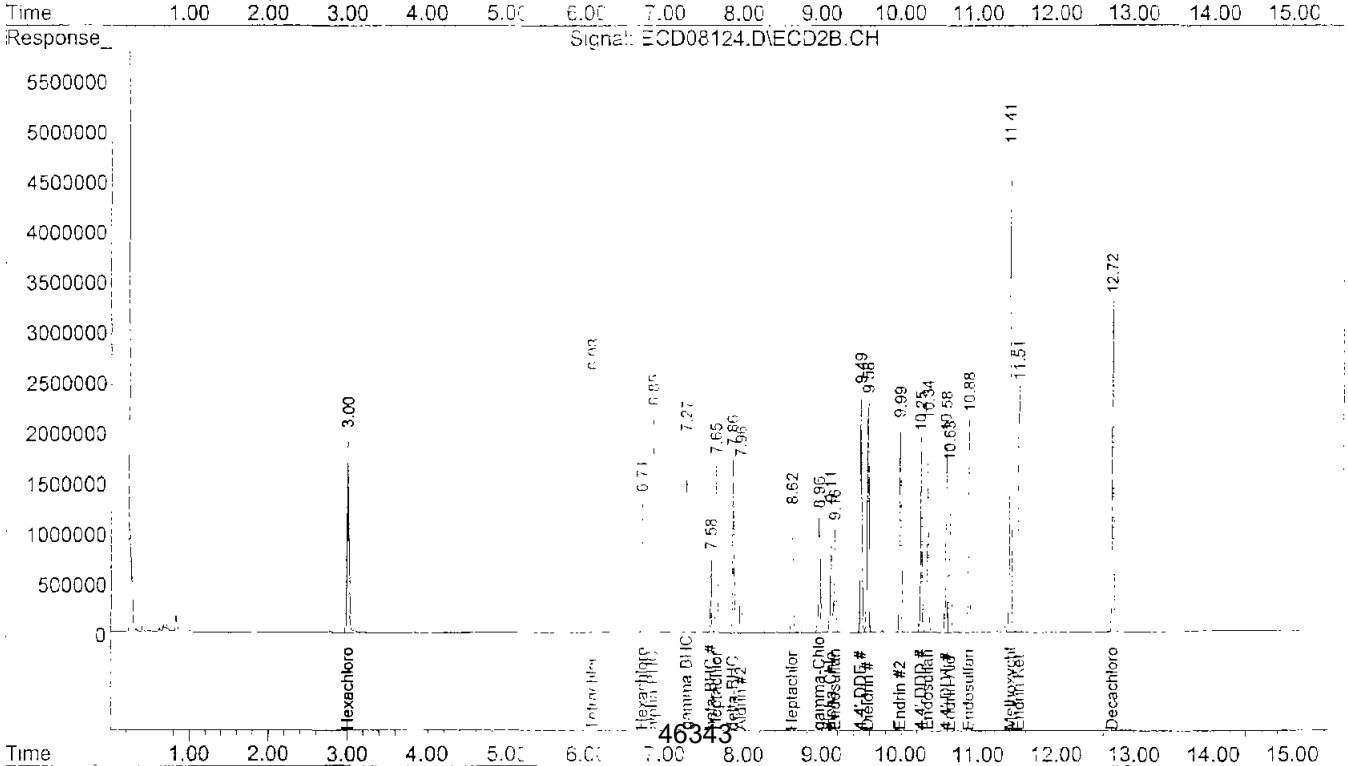
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08124.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\120104\ECD08124.D\ECD2B.CH
Acq On : 12-1-2004 09:26:33 PM Operator: SJL/CRF
Sample : 50ug/l 8081 std 1174-25-07 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:40 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





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01151

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08125.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120104\ECD08125.D\ECD2B.CH
Acq On : 12-1-2004 09:47:27 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:40:46 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

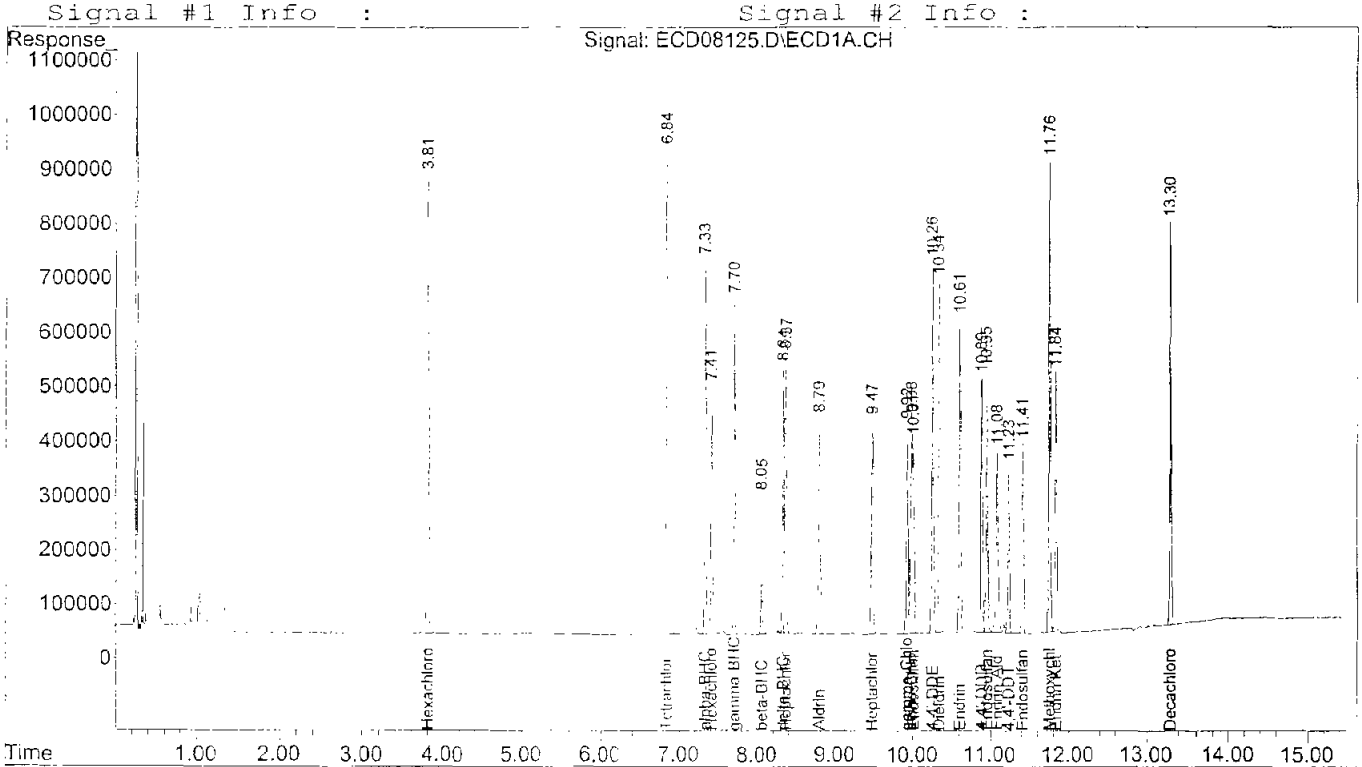
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	11181119	6430732	21.333	21.298
		Spiked Amount 20.000 Range 60 - 150 Recovery =					106.66%	106.49%
24)	SR	Decachlorobiphen	13.30	12.72	8523877	8422824	42.636	41.697
		Spiked Amount 20.000 Range 60 - 150 Recovery =					213.18%#	208.49%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	11458950	7138561	10.635	10.653
3)		alpha-BHC	7.33	6.85	7754119	4581799	11.052	10.804
4)	T	Hexachlorobenzen	7.41	6.71	6005673	3363753	10.309	10.549
5)	M	gamma-BHC (Linda	7.70	7.28	6985467	4187242	10.834	10.909
6)		beta-BHC	8.06	7.58	3098235	1670038	10.208	10.528
7)		delta-BHC	8.34	7.86	6189966	3683360	10.776	10.649
8)	M	Heptachlor	8.37	7.65	7120908	3820804	11.082	11.162
9)	M	Aldrin	8.79	7.96	6459342	3800735	10.523	10.652
10)		Heptachlor Epoxi	9.47	8.62	6122994	3641804	10.397	10.556
11)		gamma-Chlordane	9.92	8.96	5901084	3839580	10.329	10.614
12)		alpha-Chlordane	9.98	9.11	5949792	3873838	10.426	10.262
13)		Endosulfan I	10.01	9.16	5073246	3474354	10.472	10.451
14)		4,4'-DDE	10.26	9.49	10181272	7407445	21.033	21.743
15)	M	Dieldrin	10.34	9.58	9752984	7318410	21.058	21.790
16)	M	Endrin	10.61	9.99	8468325	6282900	21.162	21.643
17)		4,4'-DDD	10.89	10.26	6780091	5670916	21.288	21.662
18)		Endosulfan II	10.95	10.34	7095637	6525781	20.993	20.874
19)	M	4,4'-DDT	11.23	10.58	4352658	4914507	21.433	22.271
20)		Endrin Aldehyde	11.08	10.64	5392083	5088238	20.740	21.371
21)		Endosulfan Sulfa	11.41	10.88	4955847	6588614	20.254	21.240
22)		Methoxychlor	11.76	11.41	11609126	12944358	107.910	109.301
23)		Endrin Ketone	11.84	11.51	6320445	7287125	20.870	21.457

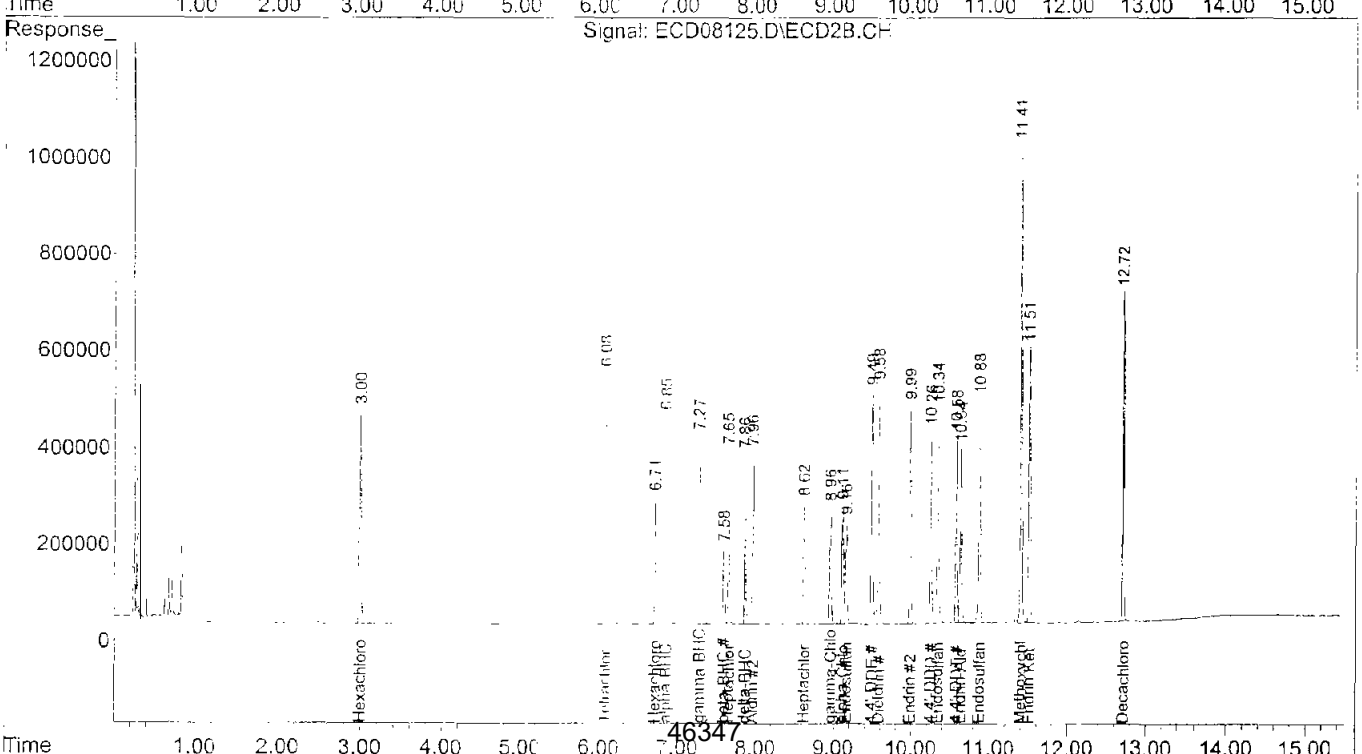
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08125.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120104\ECD08125.D\ECD2B.CH
Acq On : 12-1-2004 09:47:27 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:40 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46347

0115

Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\120104\ECD08125.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120104\ECD08125.D\ECD2B.CH
Acq On : 12-1-2004 09:47:27 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	10.000	10.635	-6.3	113	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	21.333	-6.7	113	0.00
3		alpha-BHC	10.000	11.052	-10.5	114	0.00
4	T	Hexachlorobenzene	10.000	10.309	-3.1	113	0.00
5	M	gamma-BHC (Lindane)	10.000	10.834	-8.3	114	0.00
6		beta-BHC	10.000	10.208	-2.1	112	0.00
7		delta-BHC	10.000	10.776	-7.8	113	0.00
8	M	Heptachlor	10.000	11.082	-10.8	118	0.00
9	M	Aldrin	10.000	10.523	-5.2	114	0.00
10		Heptachlor Epoxide	10.000	10.397	-4.0	113	0.00
11		gamma-Chlordane	10.000	10.329	-3.3	113	0.00
12		alpha-Chlordane	10.000	10.426	-4.3	112	0.00
13		Endosulfan I	10.000	10.472	-4.7	116	0.00
14		4,4'-DDE	20.000	21.333	-6.7	115	0.00
15	M	Dieldrin	20.000	21.255	-6.3	114	0.00
16	M	Endrin	20.000	21.162	-5.8	115	0.00
17		4,4'-DDD	20.000	21.288	-6.4	115	0.00
18		Endosulfan II	20.000	20.993	-5.0	115	0.00
19	M	4,4'-DDT	20.000	21.423	-7.1	119	0.00
20		Endrin Aldehyde	20.000	20.740	-3.7	111	0.00
21		Endosulfan Sulfate	20.000	20.254	-1.3	113	0.00
22		Methoxychlor	100.000	107.910	-7.9	113	0.00
23		Endrin Ketone	20.000	20.870	-4.4	112	0.00
24	SR	Decachlorobiphenyl (S)	40.000	42.636	-6.6	113	0.00

Signal #2

1	T	Hexachlorobutadiene	10.000	10.653	-6.5	116	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	21.298	-6.5	111	0.00
3		alpha-BHC	10.000	10.804	-8.0	112	0.00
4	T	Hexachlorobenzene	10.000	10.549	-5.5	111	0.00
5	M	gamma-BHC (Lindane)	10.000	10.909	-9.1	112	0.00
6		beta-BHC	10.000	10.528	-5.3	111	0.00
7		delta-BHC	10.000	10.649	-6.5	113	0.00
8	M	Heptachlor	10.000	11.162	-11.6	116	0.00
9	M	Aldrin	10.000	10.652	-6.5	113	0.00
10		Heptachlor Epoxide	10.000	10.556	-5.6	113	0.00
11		gamma-Chlordane	10.000	10.614	-6.1	113	0.00
12		alpha-Chlordane	10.000	10.262	-2.6	113	0.00
13		Endosulfan I	10.000	10.451	-4.5	113	0.00
14		4,4'-DDE	20.000	21.743	-8.7	113	0.00
15	M	Dieldrin	20.000	21.790	-8.9	113	0.00
16	M	Endrin	20.000	21.643	-8.2	114	0.00
17		4,4'-DDD	20.000	21.662	-8.3	113	0.00
18		Endosulfan II	20.000	20.874	-4.4	112	0.00
19	M	4,4'-DDT	20.000	22.271	-11.4	118	0.00
20		Endrin Aldehyde	20.000	21.371	-6.9	107	0.00
21		Endosulfan Sulfate	20.000	21.240	-6.2	112	0.00
22		Methoxychlor	100.000	109.301	-9.3	115	0.00
23		Endrin Ketone	20.000	21.457	-7.3	112	0.00
24	SR	Decachlorobiphenyl (S)	40.000	41.697	-4.2	113	0.00

(# = Out of Range SPCC's out = 0 CCC's out = 0
ECD08125.D 120104.M Thu Dec 02 08:41:59 2004 Page 1

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01154

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : H:\DATA\120104\ECD08125.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\120104\ECD08125.D\ECD2B.CH
Acq On : 12-1-2004 09:47:27 PM Operator: SJL/CRF
Sample : 10ug/l 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08126.D\ECD1A.CH Vial: 10
Signal #2 : H:\DATA\120104\ECD08126.D\ECD2B.CH
Acq On : 01 Dec 2004 10:08 pm Operator: SJL/CRF
Sample : 500UG/ML TOXAPHENE STD Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:42:08 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

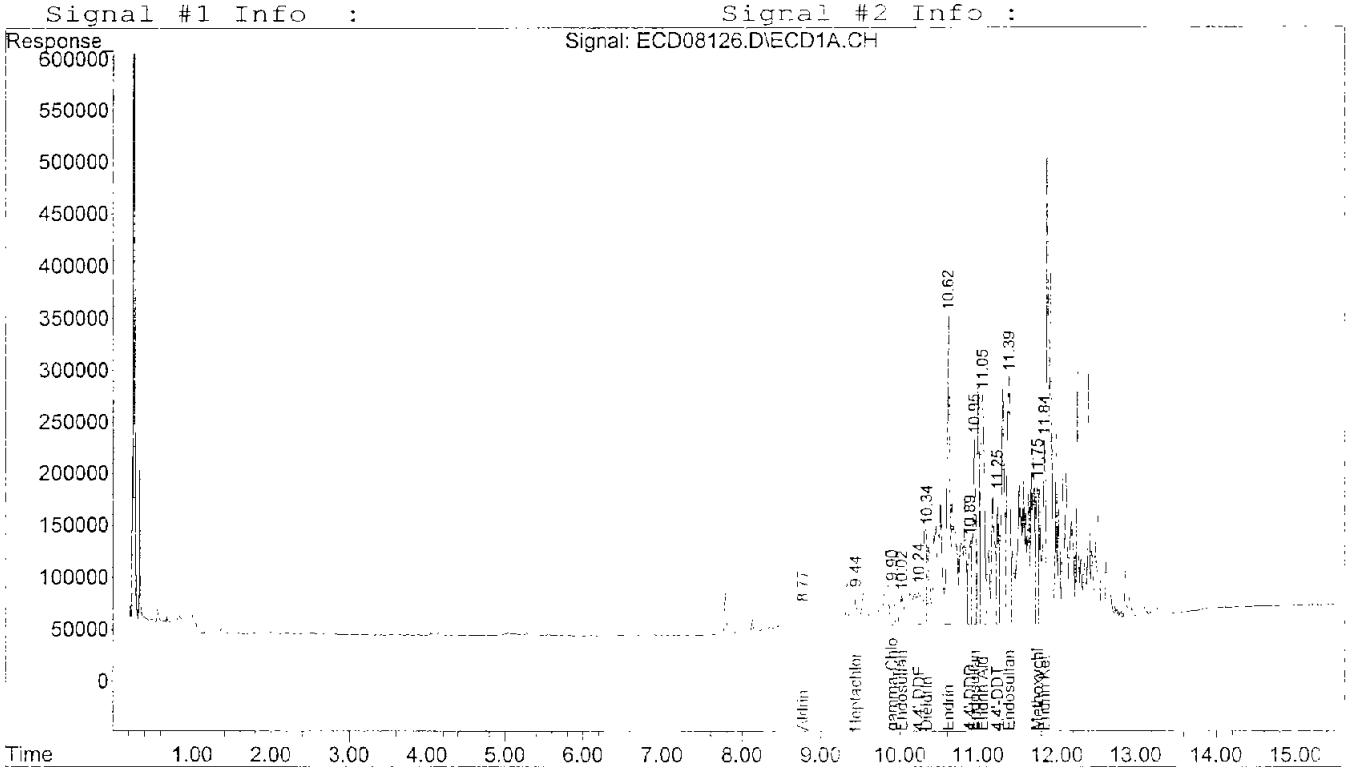
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					0.00%#	0.00%#	
24)	SR	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					0.00%#	0.00%#	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.	
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
9)	M	Aldrin	8.77	0.00	253990	0	0.414	N.D.	#
10)		Heptachlor Epoxi	9.44f	0.00	818903	0	1.391	N.D.	#
11)		gamma-Chlordane	9.90	0.00	916352	0	1.604	N.D.	#
12)		alpha-Chlordane	0.00	9.06f	0	732361	N.D.	1.940	#
13)		Endosulfan I	10.02	0.00	829130	0	1.711	N.D.	#
14)		4,4'-DDE	10.24	9.52f	811677	1272073	1.701	3.734	#
15)	M	Dieldrin	10.34	9.59	1429004	1899283	3.114	5.655	#
16)	M	Endrin	10.62	9.94f	7310967	2321608	18.270	7.997	#
17)		4,4'-DDD	10.89	10.27	2149690	2475386	6.749	9.455	#
18)		Endosulfan II	10.95	10.37	4786981	7841499	14.163	25.083	#
19)	M	4,4'-DDT	11.25	10.62f	2388045	2222644	11.754	10.073	
20)		Endrin Aldehyde	11.05f	10.62	7389815	2222644	28.424	8.485	#
21)		Endosulfan Sulfa	11.39	10.90	7097285	3279044	29.006	10.571	#
22)		Methoxychlor	11.75	11.43	2543696	3256618	23.663	27.500	
23)		Endrin Ketone	11.84	11.49	3728004	953133	12.310	2.807	#

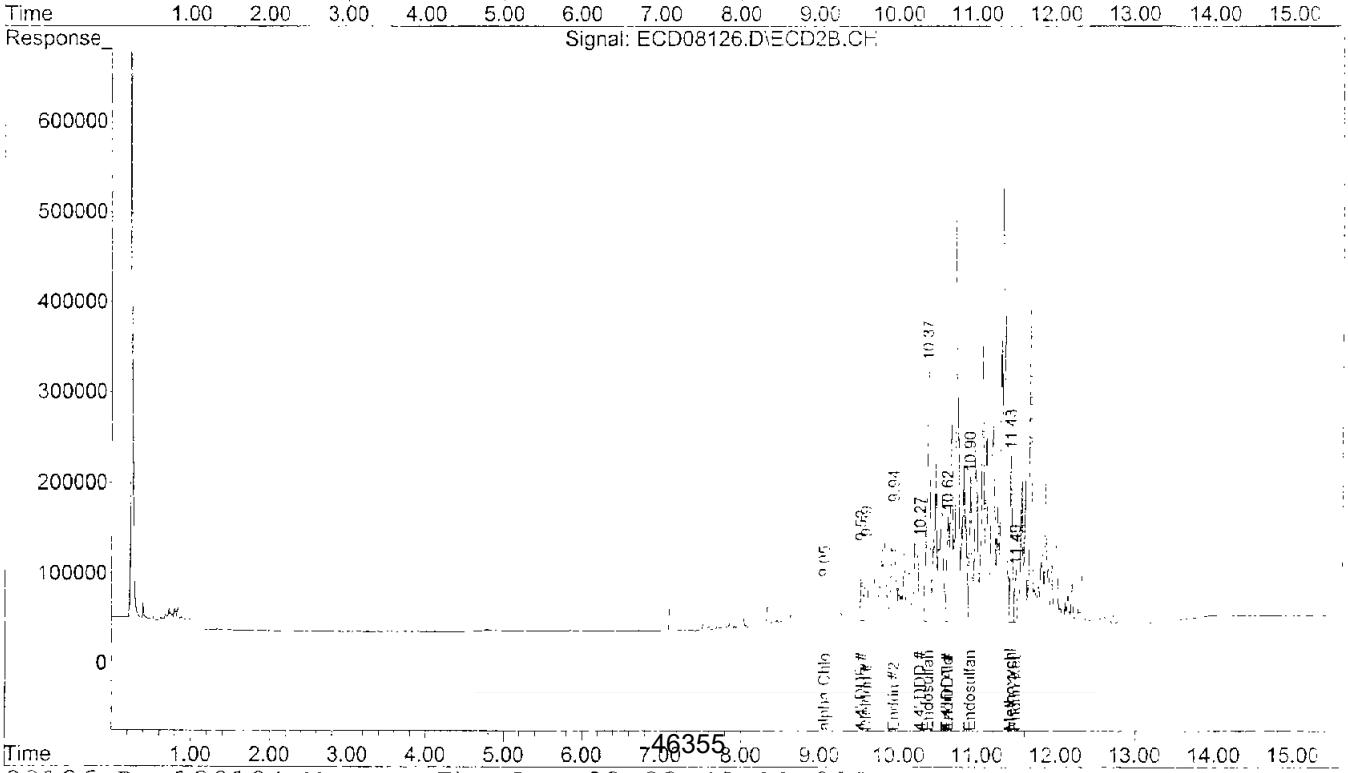
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08126.D\ECD1A.CH Vial: 10
Signal #2 : H:\DATA\120104\ECD08126.D\ECD2B.CH
Acq On : 01 Dec 2004 10:08 pm Operator: SJL/CRF
Sample : 500UG/ML TOXAPHENE STD Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:42 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08117.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\120104\ECD08117.D\ECD2B.CH
Acq On : 12-1-2004 07:00:18 PM Operator: SJL/CRF
Sample : DDT/ENDRIN BREAKDOWN Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:42:25 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

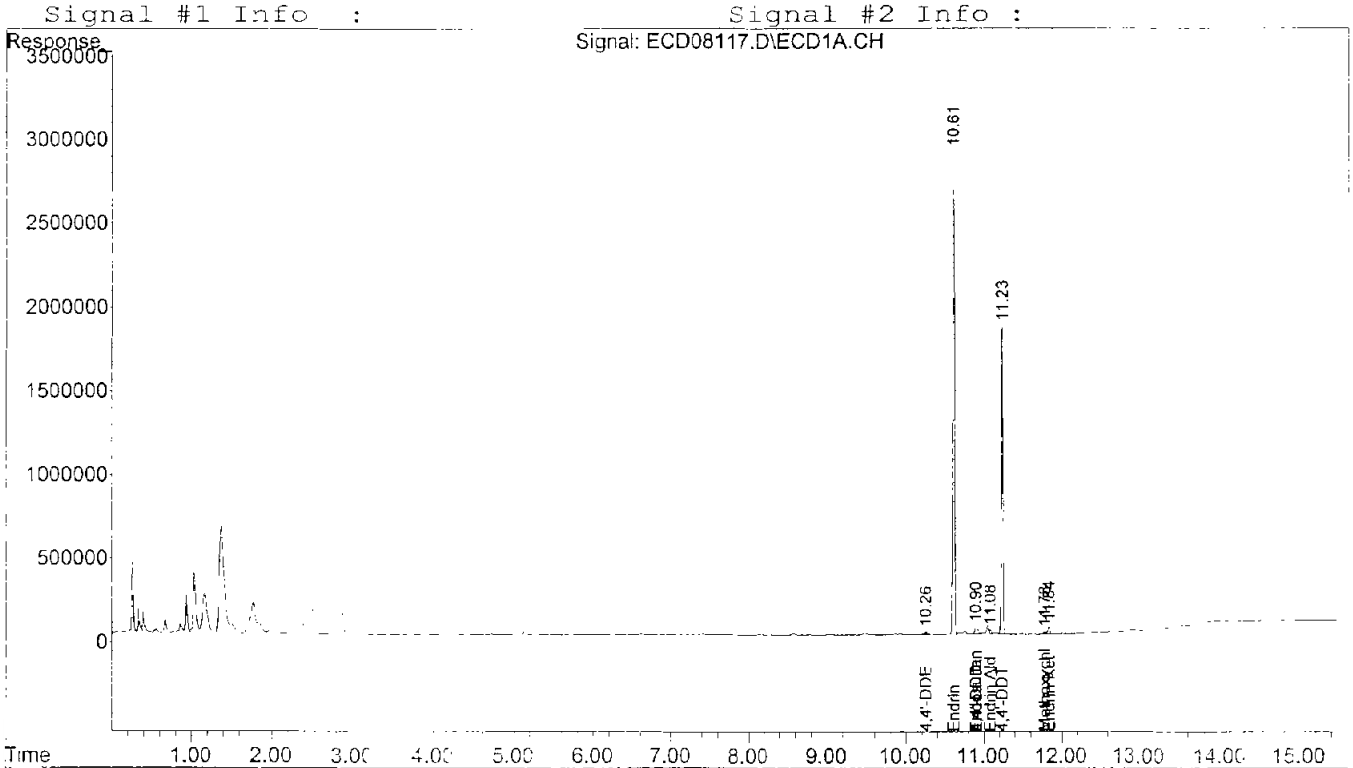
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150			Recovery	=	0.00%#	0.00%#	
24)	SR	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000 Range 60 - 150			Recovery	=	0.00%#	0.00%#	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	0.00	0.00	0	0	N.D.	N.D.	
5)	M	gamma-BHC (Linda	0.00	0.00	0	0	N.D.	N.D.	
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	heptachlor	0.00	0.00	0	0	N.D.	N.D.	
9)	M	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
10)		heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
14)		4,4'-DDE	10.26	0.00	409157	0	0.857	N.D.	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	10.61	9.99	41634412	31391158	104.041	108.133	
17)		4,4'-DDD	10.90	10.26	1089935	239422	3.422	0.915	#
18)		Endosulfan II	10.90f	10.32	1089935	372420	3.225	1.191	#
19)	M	4,4'-DDT	11.23	10.58	25361707	27200761	124.828	123.268	
20)		Endrin Aldehyde	11.09	10.64	389045	1092940	1.496	3.403	#
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.78	11.37f	268105	351123	2.492	2.900	
23)		Endrin Ketone	11.84	11.51	798170	1007400	2.636	2.960	

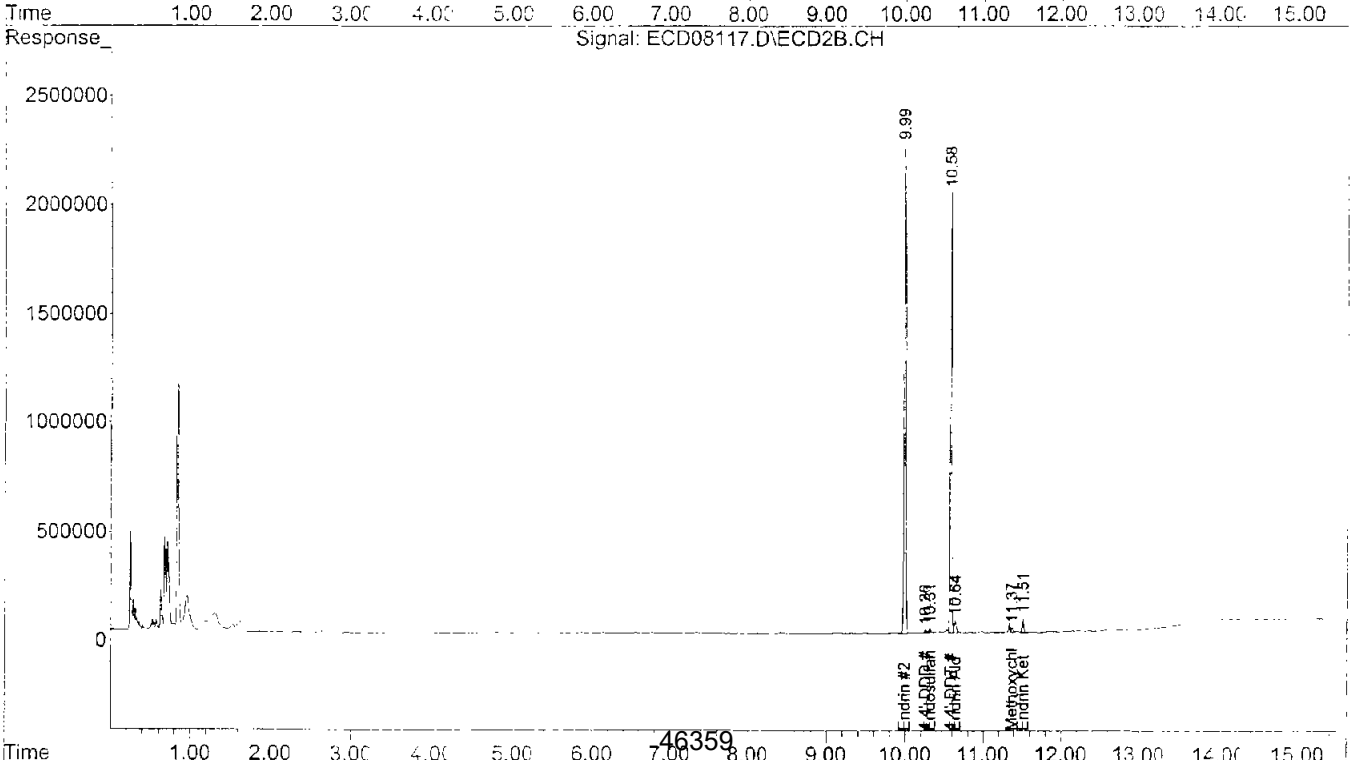
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08117.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\120104\ECD08117.D\ECD2B.CH
Acq On : 12-1-2004 07:00:18 PM Operator: SJL/CRF
Sample : DDT/ENDRIN BREAKDOWN Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:42 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46359

01159

Custom Report - DDT/Endrin Breakdown Evaluation

Sample Name DDT/ENDRIN BREAKDOWN

Data File Name H:\DATA\120104\ECD08117.D
Date Acquired 12-1-2004 07:00:18 PM

Compound Name	RT #1	RT #2	Resp. #1	Resp. #2	Amt. #1	Amt. #2	% Breakdown Column #1	% Breakdown Column #2
Endrin	10.61	9.99	41634412	31391158	104.04	108.13	**2.77%**	**6.27%**
Endrin Aldehyde	11.09	10.64	389045	1092940	1.50	3.40		
Endrin Ketone	11.84	11.51	798170	1007400	2.64	2.97		
4,4'-DDT	11.23	10.58	25361707	27200761	124.83	123.27	**5.58%**	**0.87%**
4,4'-DDE	10.26	0.00	409157	0	0.86	0.00		
4,4'-DDD	10.90	10.26	1089935	239422	3.42	0.91		

CONTINUING CALIBRATION

Sequence Log

Directory : k:\DATA\120104

#	Filename	Sample Name	Date/Time
1	ecd08117.d	DDT/ENDRIN BREAKDOWN	12/01/04 19:00
2	ecd08118.d	rinse	12/01/04 19:21
3	ecd08119.d	1.0ug/l 8081 std 1174-25-02	12/01/04 19:41
4	ecd08120.d	2.0ug/l 8081 std 1174-25-03	12/01/04 20:02
5	ecd08121.d	5.0ug/l 8081 std 1174-25-04	12/01/04 20:23
6	ecd08122.d	10ug/l 8081 std 1174-25-05	12/01/04 20:44
7	ecd08123.d	20ug/l 8081 std 1174-25-06	12/01/04 21:05
8	ecd08124.d	50ug/l 8081 std 1174-25-07	12/01/04 21:26
9	ecd08125.d	10ug/l 8081 ICV 1174-25-08	12/01/04 21:47
10	ecd08126.d	500UG/ML TOXAPHENE STD	12/01/04 22:08
11	ecd08127.d	MB PW0295	12/01/04 22:29
12	ecd08128.d	BS PW0295	12/01/04 22:50
13	ecd08129.d	BSD PW0295	12/01/04 23:11
14	ecd08130.d	125060-11 PW0295	12/01/04 23:32
15	ecd08131.d	125036-01 PW0294	12/01/04 23:53
16	ecd08132.d	125036-02 PW0294	12/02/04 00:14
17	ecd08133.d	10UG/L 8081 CCV 1174-25-05	12/02/04 00:35

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08133.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\120104\ECD08133.D\ECD2B.CH
Acq On : 02 Dec 2004 12:35 am Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:43:33 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

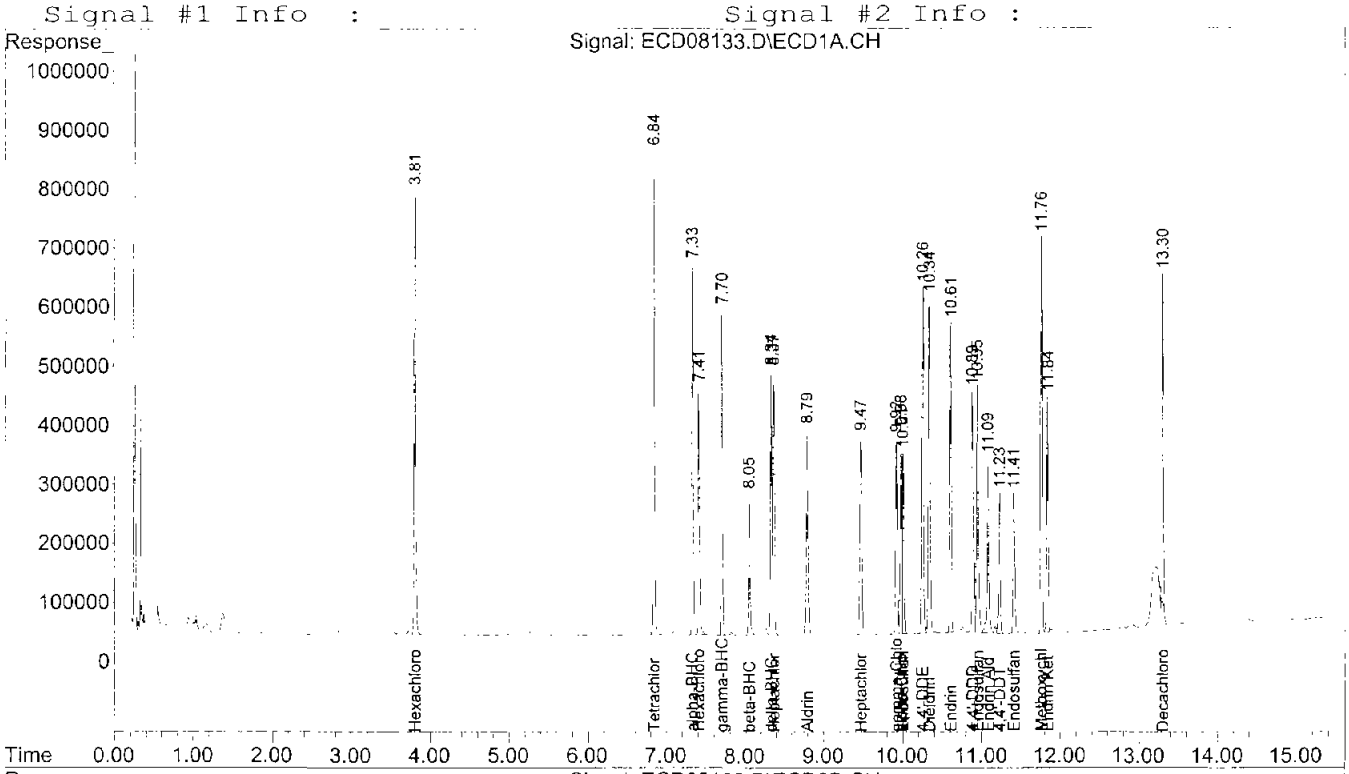
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.84	6.08	9906948	5779055	18.902	19.139
		Spiked Amount 20.000 Range 60 - 150 Recovery =					94.51%	95.69%
24)	SR	Decachlorobiphen	13.30	12.72	5449061	6506848	27.256	32.212
		Spiked Amount 20.000 Range 60 - 150 Recovery =					136.28%	161.06%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.81	3.00	10237431	6207420	9.502	9.264
3)		alpha-BHC	7.33	6.85	6857294	4070530	9.774	9.599
4)	T	Hexachlorobenzen	7.41	6.71	5312342	3013342	9.119	9.450
5)	M	gamma-BHC (Linda	7.70	7.28	6222160	3812076	9.650	9.932
6)		beta-BHC	8.05	7.58	2795012	1458204	9.209	9.192
7)		delta-BHC	8.34	7.86	5619214	3253144	9.783	9.405
8)	M	Heptachlor	8.37	7.65	6000611	3191249	9.338	9.323
9)	M	Aldrin	8.79	7.96	5615105	3264393	9.147	9.149
10)		Heptachlor Epoxi	9.47	8.62	5398590	3111627	9.167	9.019
11)		gamma-Chlordane	9.92	8.96	5025344	3249520	8.796	8.983
12)		alpha-Chlordane	9.98	9.11	5052250	3307017	8.853	8.761
13)		Endosulfan I	10.01	9.16	4354937	2968983	8.989	8.931
14)		4,4'-DDE	10.26	9.49	8673701	6291419	18.174	18.467
15)	M	Dieldrin	10.34	9.58	8277257	6085433	18.039	18.119
16)	M	Endrin	10.61	9.99	7277212	5603133	18.185	19.301
17)		4,4'-DDD	10.89	10.26	5898958	4967133	18.521	18.973
18)		Endosulfan II	10.95	10.34	6442644	5821853	19.061	18.623
19)	M	4,4'-DDT	11.23	10.58	3364711	4168547	16.561	18.891
20)		Endrin Aldehyde	11.09	10.64	4731906	4400487	18.201	18.278
21)		Endosulfan Sulfa	11.41	10.88	3331096	5270085	13.614	16.989
22)		Methoxychlor	11.76	11.40	9225992	11037706	85.758	93.201
23)		Endrin Ketone	11.84	11.51	5253588	5969705	17.348	17.578

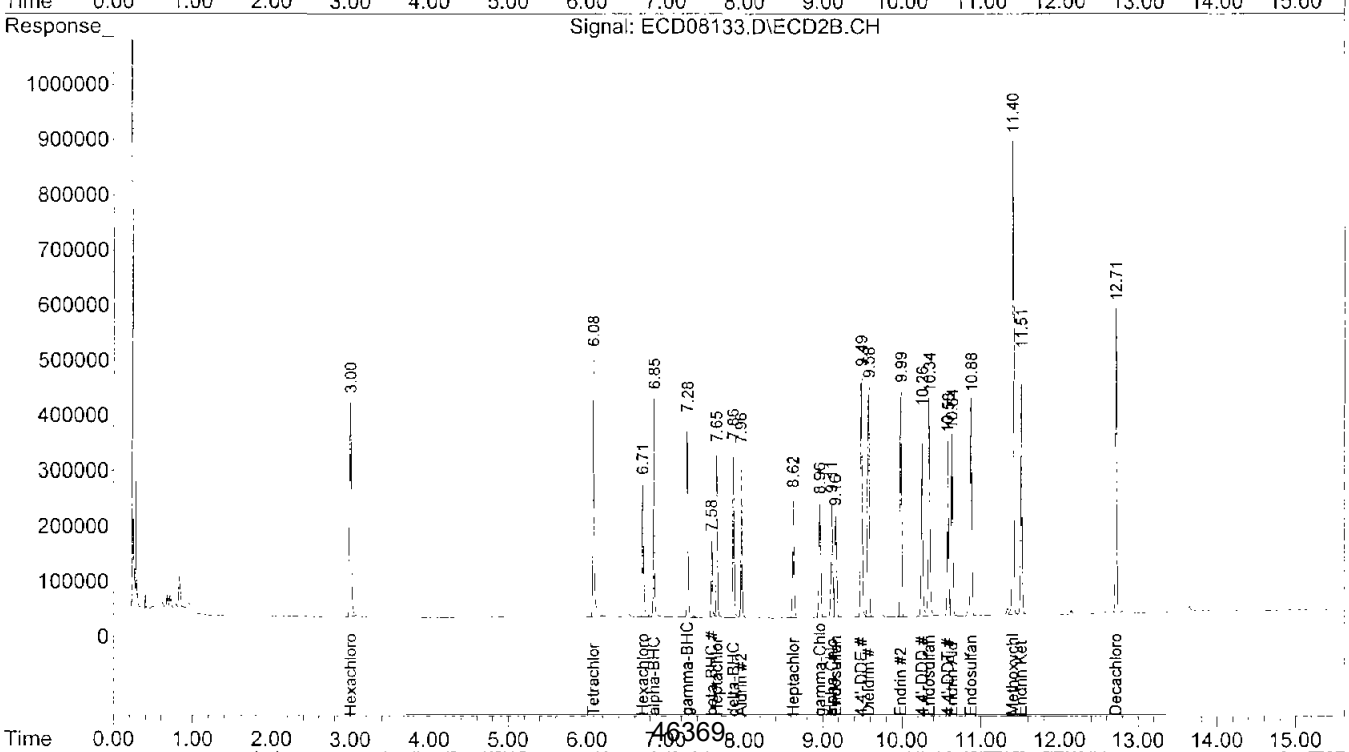
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08133.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\120104\ECD08133.D\ECD2B.CH
Acq On : 02 Dec 2004 12:35 am Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:43 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\120104\ECD08133.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\120104\ECD08133.D\ECD2B.CH
Acq On : 02 Dec 2004 12:35 am Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	T	Hexachlorobutadiene	10.000	9.502	5.0	101	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	18.902	5.5	100	0.00
3		alpha-BHC	10.000	9.774	2.3	101	0.00
4	T	Hexachlorobenzene	10.000	9.119	8.8	100	0.00
5	M	gamma-BHC (Lindane)	10.000	9.650	3.5	101	0.00
6		beta-BHC	10.000	9.209	7.9	101	0.00
7		delta-BHC	10.000	9.783	2.2	103	0.00
8	M	Heptachlor	10.000	9.338	6.6	100	0.00
9	M	Aldrin	10.000	9.147	8.5	99	0.00
10		Heptachlor Epoxide	10.000	9.167	8.3	100	0.00
11		gamma-Chlordane	10.000	8.796	12.0	96	0.00
12		alpha-Chlordane	10.000	8.853	11.5	95	0.00
13		Endosulfan I	10.000	8.989	10.1	100	0.00
14		4,4'-DDE	20.000	18.174	9.1	98	0.00
15	M	Dieldrin	20.000	18.039	9.8	97	0.00
16	M	Endrin	20.000	18.185	9.1	99	0.00
17		4,4'-DDD	20.000	18.521	7.4	100	0.00
18		Endosulfan II	20.000	19.061	4.7	104	0.00
19	M	4,4'-DDT	20.000	16.561	17.2#	92	0.00
20		Endrin Aldehyde	20.000	18.201	9.0	98	0.00
21		Endosulfan Sulfate	20.000	13.614	31.9#	76	0.00
22		Methoxychlor	100.000	85.758	14.2	90	0.00
23		Endrin Ketone	20.000	17.348	13.3	93	0.00
24	SR	Decachlorobiphenyl (S)	40.000	27.256	31.9#	72	0.00

Signal #2

1	T	Hexachlorobutadiene	10.000	9.264	7.4	101	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	19.139	4.3	100	0.00
3		alpha-BHC	10.000	9.599	4.0	100	0.00
4	T	Hexachlorobenzene	10.000	9.450	5.5	100	0.00
5	M	gamma-BHC (Lindane)	10.000	9.932	0.7	102	0.00
6		beta-BHC	10.000	9.192	8.1	97	0.00
7		delta-BHC	10.000	9.405	6.0	99	0.00
8	M	Heptachlor	10.000	9.323	6.8	97	0.00
9	M	Aldrin	10.000	9.149	8.5	97	0.00
10		Heptachlor Epoxide	10.000	9.019	9.8	96	0.00
11		gamma-Chlordane	10.000	8.983	10.2	96	0.00
12		alpha-Chlordane	10.000	8.761	12.4	96	0.00
13		Endosulfan I	10.000	8.931	10.7	96	0.00
14		4,4'-DDE	20.000	18.467	7.7	96	0.00
15	M	Dieldrin	20.000	18.119	9.4	94	0.00
16	M	Endrin	20.000	19.301	3.5	102	0.00
17		4,4'-DDD	20.000	18.973	5.1	99	0.00
18		Endosulfan II	20.000	18.623	6.9	100	0.00
19	M	4,4'-DDT	20.000	18.891	5.5	100	0.00
20		Endrin Aldehyde	20.000	18.278	8.6	93	0.00
21		Endosulfan Sulfate	20.000	16.989	15.1#	90	0.00
22		Methoxychlor	100.000	93.201	6.8	98	0.00
23		Endrin Ketone	20.000	17.578	12.1	91	0.00
24	SR	Decachlorobiphenyl (S)	40.000	32.212	19.5#	87	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ECD08133.D 120104.M Thu Dec 02 08:43:46 2004 Page 1

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Evaluate Continuing Calibration Report Not Found

Signal #1 : H:\DATA\120104\ECD08133.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\120104\ECD08133.D\ECD2B.CH
Acq On : 02 Dec 2004 12:35 am Operator: SJL/CRF
Sample : 10UG/L 8081 CCV 1174-25-05 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 200%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Signal #2

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ECD08133.D 120104.M Thu Dec 02 08:43:46 2004 Page 2

METHOD BLANK

01167

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08127.D\ECD1A.CH Vial: 90
Signal #2 : H:\DATA\120104\ECD08127.D\ECD2B.CH
Acq On : 01 Dec 2004 10:29 pm Operator: SJL/CRF
Sample : MB PW0295 Inst : Agilent E
Misc : LIQUID #1000 &1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:08:09 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

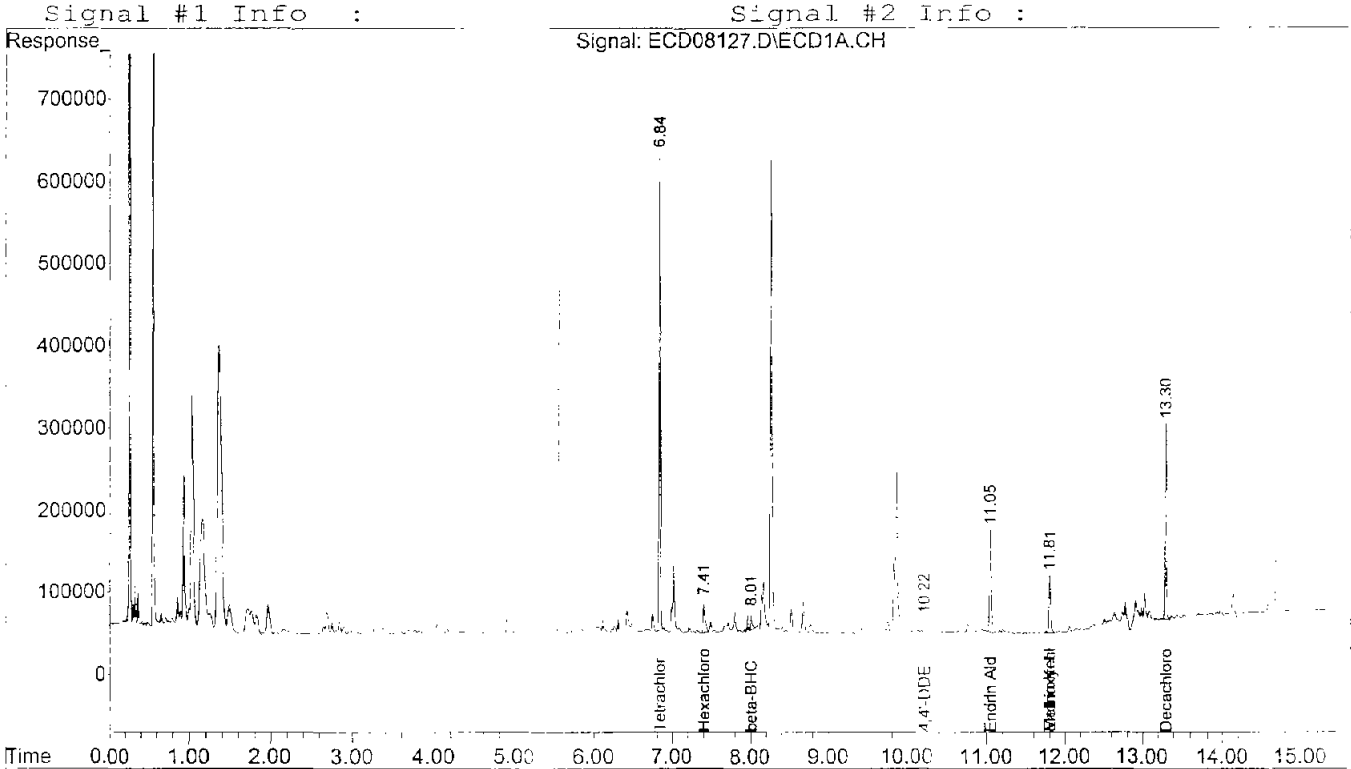
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.84	6.08	6532963	4013772	12.464	13.293	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					62.32%	66.47%	
24)	SR	Decachlorobiphen	13.30	12.72	2826881	2804763	14.140	13.885	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					70.70%	69.42%	
		Target Compounds							
1)	T	Hexachlorobutadi	0.00	0.00	0	0	N.D.	N.D.	
3)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	T	Hexachlorobenzen	7.41	0.00	630000	0	1.081	N.D.	#
5)	M	gamma-BHC (Linda	0.00	7.26	0	216828	N.D.	0.565	#
6)		beta-BHC	8.02f	0.00	301504	0	0.993	N.D.	#
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
8)	M	Heptachlor	0.00	7.69f	0	4030833	N.D.	11.776	#
9)	M	Aldrin	0.00	7.96	0	220918	N.D.	0.619	#
10)		Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
11)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
12)		alpha-Chlordane	0.00	9.10	0	2103223	N.D.	5.572	#
13)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
14)		4,4'-DDE	10.22f	0.00	364937	0	0.765	N.D.	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	0.00	0.00	0	0	N.D.	N.D.	
17)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
18)		Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
19)	M	4,4'-DDT	0.00	10.64f	0	2160758	N.D.	9.792	#
20)		Endrin Aldehyde	11.05f	10.64	1847779	2160758	7.107	8.206	
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.81f	0.00	1128897	0	10.493	N.D.	#
23)		Endrin Ketone	11.81f	0.00	1128897	0	3.728	N.D.	#

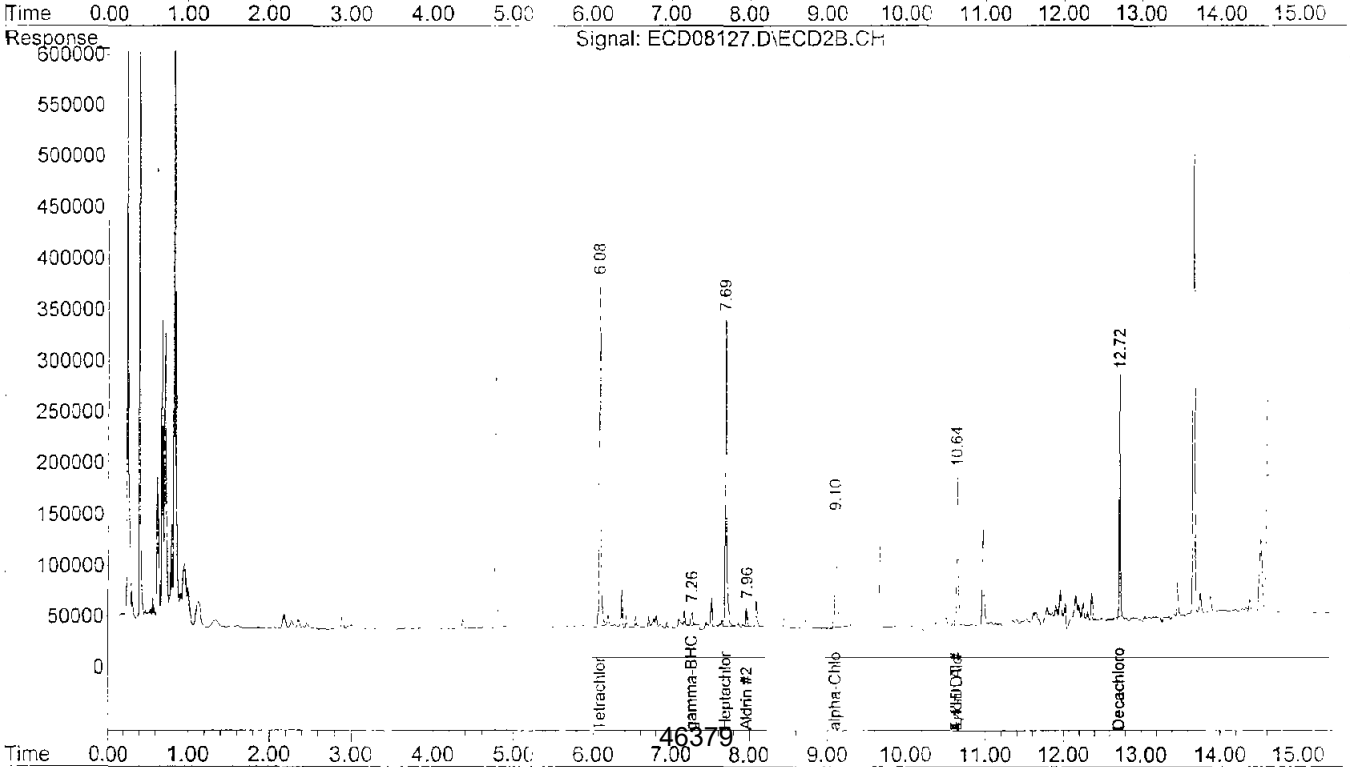
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08127.D\ECD1A.CH Vial: 90
Signal #2 : H:\DATA\120104\ECD08127.D\ECD2B.CH
Acq On : 01 Dec 2004 10:29 pm Operator: SJL/CRF
Sample : MB PW0295 Inst : Agilent E
Misc : LIQUID #1000 &1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:08 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





01169

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01170

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08128.D\ECD1A.CH Vial: 91
Signal #2 : H:\DATA\120104\ECD08128.D\ECD2B.CH
Acq On : 01 Dec 2004 10:50 pm Operator: SJL/CRF
Sample : BS PW0295 Inst : Agilent E
Misc : LIQUID #1000 &1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:08:16 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

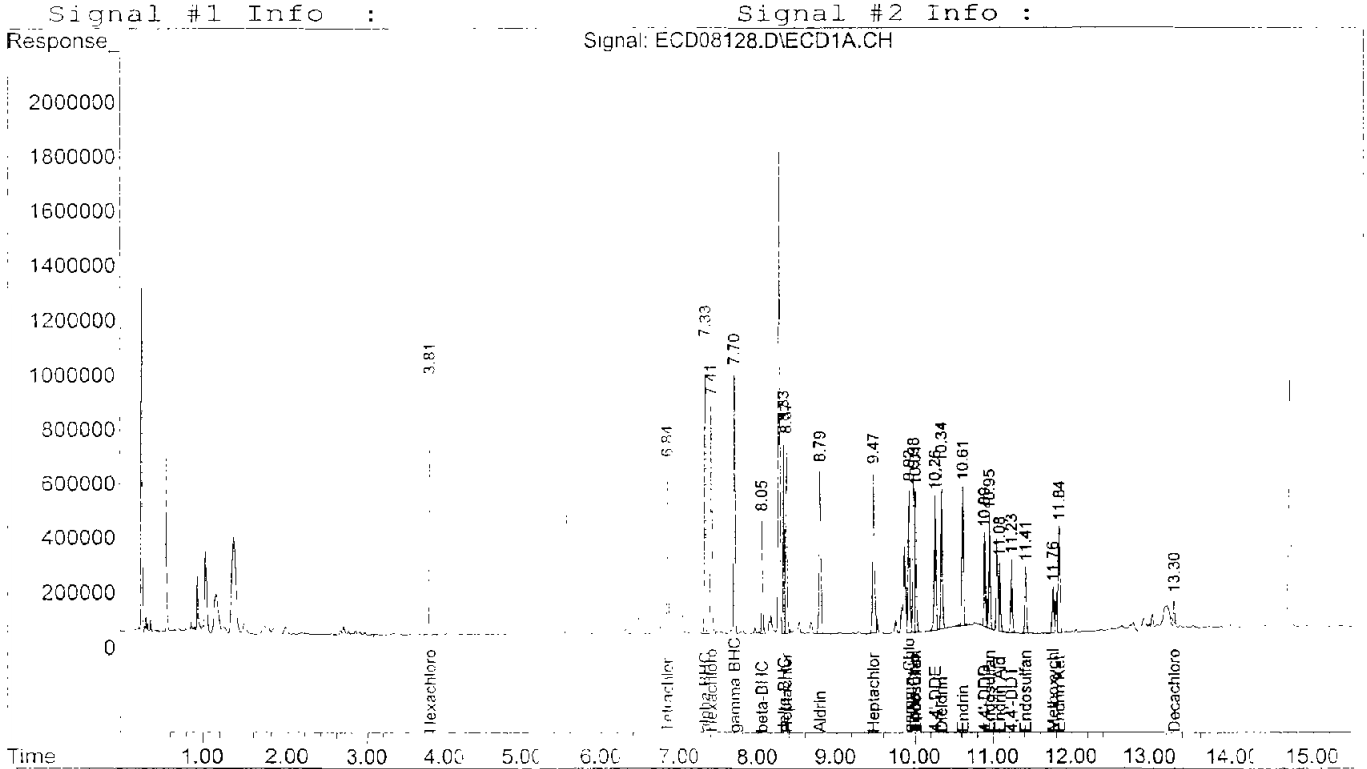
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.84	6.08	7044139	4273236	13.440	14.152	
Spiked Amount			20.000	Range	60 - 150	Recovery	=	67.20%	70.76%
24)	SR	Decachlorobiphen	13.30	12.72	530441	1430439	2.653	7.081	#
Spiked Amount			20.000	Range	60 - 150	Recovery	=	13.26%#	35.41%#
		Target Compounds							
1)	T	Hexachlorobutadi	3.81	3.00	12670403	7799479	11.760	11.640	
3)		alpha-BHC	7.33	6.85	11195697	7037244	15.957	16.595	
4)	T	Hexachlorobenzen	7.41	6.71	9794306	5030847	16.813	15.778	
5)	M	gamma-BHC (Linda	7.70	7.28	10876177	6544757	16.868	17.052	
6)		beta-BHC	8.05	7.58	4738605	2681582	15.613	16.904	
7)		delta-BHC	8.34	7.86	9166360	5135196	15.958	14.846	
8)	M	Heptachlor	8.37	7.65	9589223	5510525	14.923	16.099	
9)	M	Aldrin	8.79	7.96	9506444	5788121	15.486	16.221	
10)		Heptachlor Epoxi	9.47	8.62	9423383	5594891	16.001	16.217	
11)		gamma-Chlordane	9.92	8.96	7970480	5747274	13.951	15.887	
12)		alpha-Chlordane	9.98	9.11	8311864	8788213	14.565	23.281	#
13)		Endosulfan I	10.01	9.16	7470987	5448754	15.421	16.391	
14)		4,4'-DDE	10.26	9.49	7549619	5572309	15.819	16.356	
15)	M	Dieldrin	10.34	9.58	8313870	5376310	18.119	16.008	
16)	M	Endrin	10.61	9.99	7591331	5763459	18.970	19.853	
17)		4,4'-DDD	10.89	10.26	4785212	3602766	15.024	13.762	
18)		Endosulfan II	10.95	10.34	5821049	5467634	17.222	17.490	
19)	M	4,4'-DDT	11.23	10.58	3730232	4528027	18.360	20.520	
20)		Endrin Aldehyde	11.08	10.64	3471921	10148292	13.354	44.125	#
21)		Endosulfan Sulfa	11.41	10.88	3484888	4809385	14.242	15.504	
22)		Methoxychlor	11.76	11.40	2178981	2960158	20.254	24.995	
23)		Endrin Ketone	11.84	11.51	5392284	6196310	17.805	18.245	

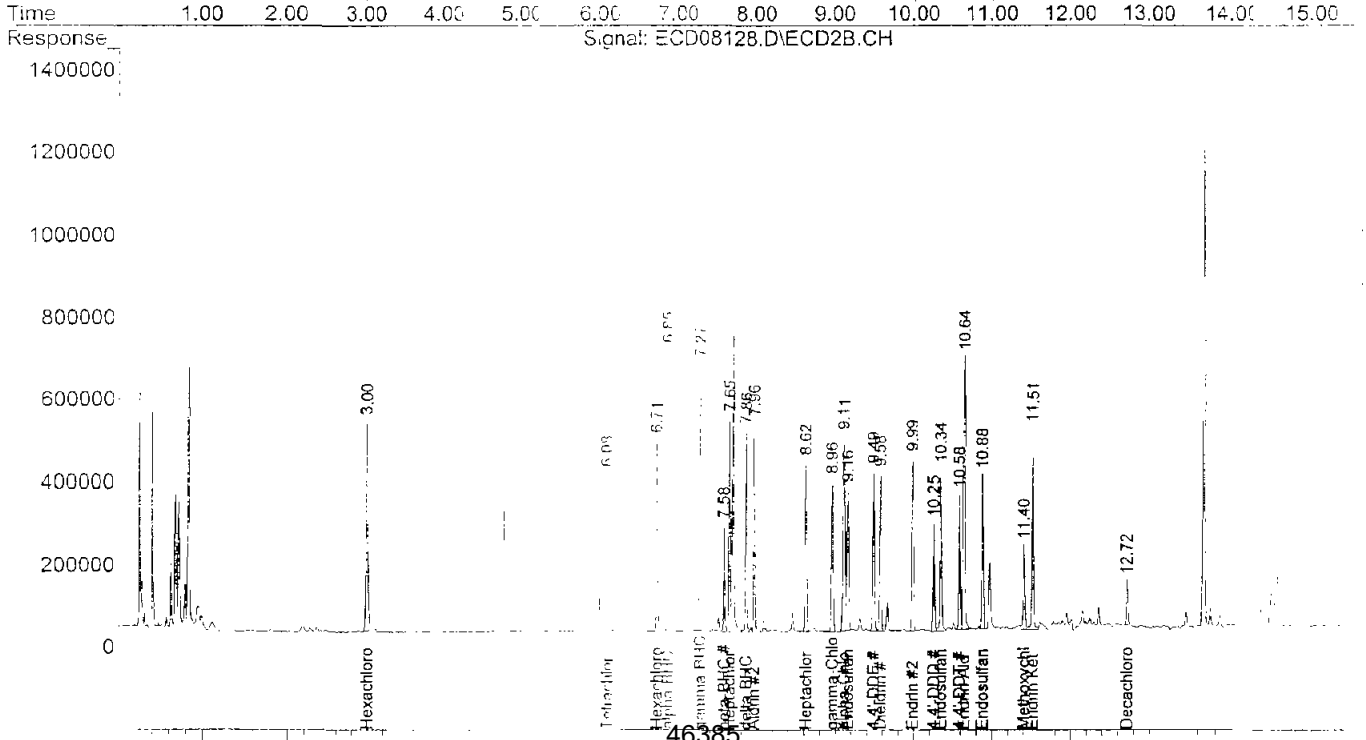
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08128.D\ECD1A.CH Vial: 91
Signal #2 : H:\DATA\120104\ECD08128.D\ECD2B.CH
Acq On : 01 Dec 2004 10:50 pm Operator: SJL/CRF
Sample : BS PW0295 Inst : Agilent E
Misc : LIQUID #1000 &1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:08 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08129.D\ECD1A.CH Vial: 92
Signal #2 : H:\DATA\120104\ECD08129.D\ECD2B.CH
Acq On : 01 Dec 2004 11:11 pm Operator: SJL/CRF
Sample : BSD PW0295 Inst : Agilent E
Misc : LIQUID #1000 &1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 02 08:08:23 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Initial Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :

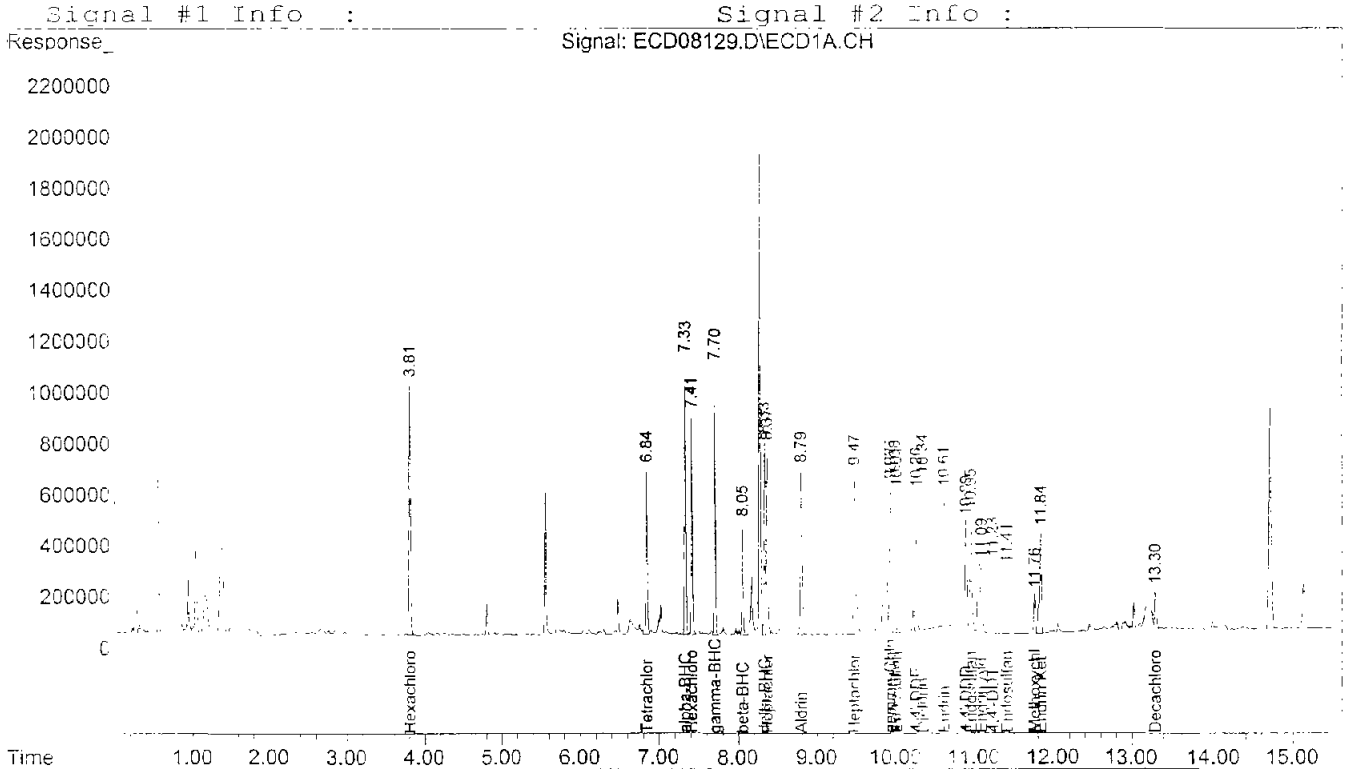
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.84	6.08	7840136	4611598	14.958	15.273	
		Spiked Amount 20.000 Range 60 - 150 Recovery =					74.79%	76.36%	
24)	SR	Decachlorobiphen	13.30	12.72	628314	2092104	3.143	10.357	#
		Spiked Amount 20.000 Range 60 - 150 Recovery =					15.71%#	51.78%#	
		Target Compounds							
1)	T	Hexachlorobutadi	3.81	3.00	13083561	8340432	12.143	12.447	
3)		alpha-BHC	7.33	6.85	11479749	7308259	16.362	17.234	
4)	T	Hexachlorobenzen	7.41	6.71	10088446	5152411	17.318	16.159	
5)	M	gamma-BHC (Linda	7.70	7.28	11068575	7007491	17.166	18.257	
6)		beta-BHC	8.05	7.58	4918507	2764145	16.206	17.425	
7)		delta-BHC	8.34	7.86	9397359	5453972	16.360	15.768	
8)	M	Heptachlor	8.37	7.65	10222954	5956629	15.909	17.402	
9)	M	Aldrin	8.79	7.96	10242518	6147096	16.685	17.227	
10)		Heptachlor Epoxi	9.47	8.62	10230941	5858150	17.372	16.980	
11)		gamma-Chlordane	9.51	8.96	8823149	6227686	15.443	17.213	
12)		alpha-Chlordane	9.99	9.10	8788539	15419640	15.401	40.849	#
13)		Endosulfan I	10.01	9.16	7675524	6275908	15.843	18.879	
14)		4,4'-DDE	10.20	9.49	8071876	6030643	16.913	17.702	
15)	M	Dieldrin	10.34	9.58	8645585	6021540	18.842	17.929	
16)	M	Endrin	10.61	9.99	7399011	5928273	18.490	20.421	
17)		4,4'-DDD	10.89	10.26	5634126	3853764	17.690	14.728	
18)		Endosulfan II	10.95	10.34	6702004	6078183	19.828	19.443	
19)	M	4,4'-DDT	11.23	10.58	3790778	4737304	18.658	21.468	
20)		Endrin Aldehyde	11.09	10.64	3647776	16065863	14.031	70.736	#
21)		Endosulfan Sulfa	11.41	10.88	3389672	5092722	13.853	16.417	
22)		Methoxychlor	11.78	11.41	2219753	3132576	20.633	26.451	#
23)		Endrin Ketone	11.94	11.51	6818906	6291916	22.516	18.527	

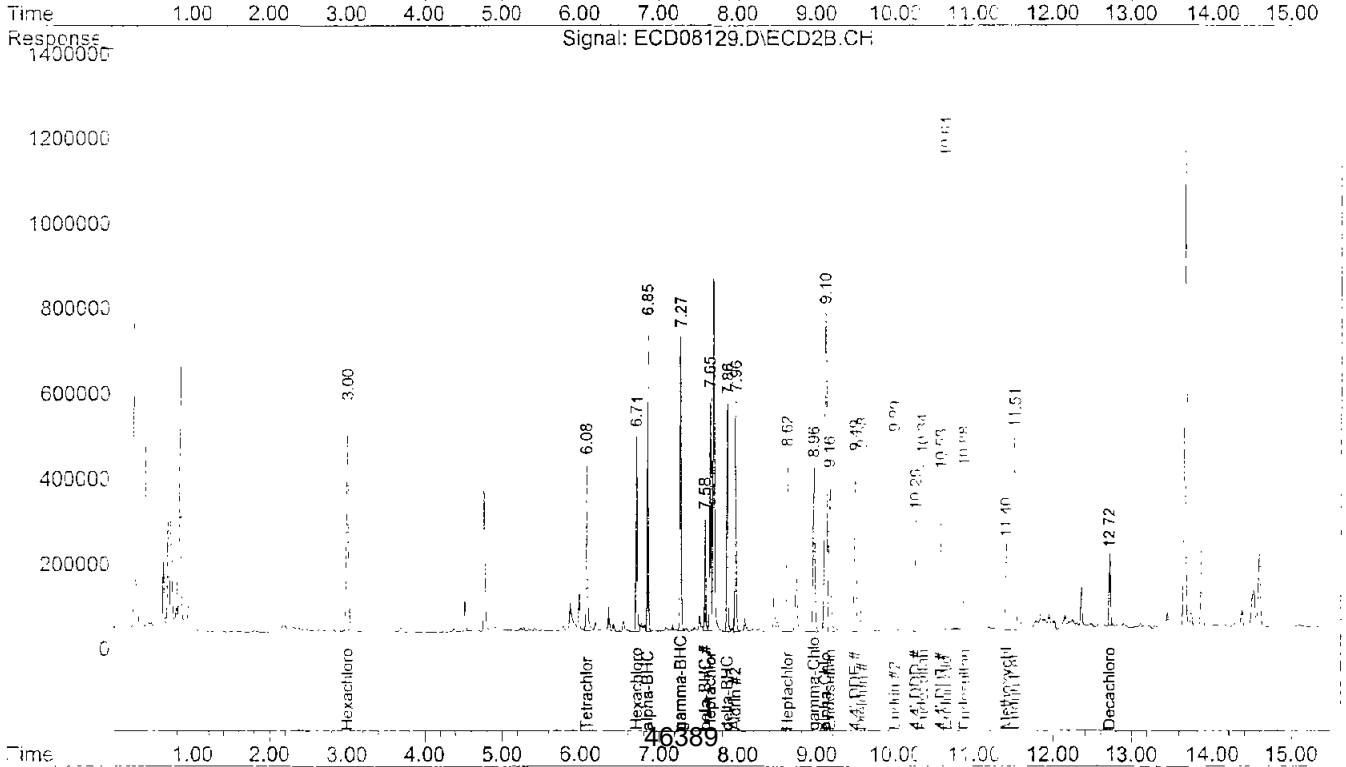
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\120104\ECD08129.D\ECD1A.CH Vial: 92
Signal #2 : H:\DATA\120104\ECD08129.D\ECD2B.CH
Acq On : 01 Dec 2004 11:11 pm Operator: SCL/CRE
Sample : BSD PW0295 Inst : Agilent E
Misc : LIQUID #1000 &1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Dec 2 8:08 2004 Quant Results File: 120104.RES

Quant Method : H:\METHODS\120104.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Thu Dec 02 08:05:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : PESTSLOW.M

Volume Inj. : 1.0 ul
Signal #1 Phase : RTX-CLPesticides Signal #2 Phase: RTX-CLPesticides 2
Signal #1 Info : Signal #2 Info :





46389

01174

LABORATORY WORKSHEETS

01175

Chlorinated Pesticides Worksheet - total

QC Level:Tier IV	**Due: 12/08/04**	**Work Order - 125060**
Matrix:Liquid		
URS Corporation	Proj. Manager:Katie Downie	

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-11		Client Sample ID	041123SGA16ERW
Sample Weight/Volume	900	Date Received	11/24/2004
		Date Sampled	**11/23/2004 5:20:00 PM**

Chlor. Pest. - EPA 8081

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date 12-3-04

Reviewed by _____ Date 46393

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01176

Chlorinated Pesticide Analysis by USEPA Method 8081A

QCBatch ID	PW0295	pH2	pH7	pH12	
Sample Matrix	Liquid		XXX		
Surrogate Standard No.	1174-27-02				
Exp. Date	1/14/2005	Volume Measured By/Date 11-29-04 sjl			
8081 MS Spike No.	1174-27-03	Extracted By/Date 11-29-04 sjl			
Exp. Date	04/07/05				
MeCl2 Lot Number	A35E08				
Hexane Lot Number	041349				
Extraction Method	3510 Modified				

QC Sample Type	QC Identifier	Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	PW0295	1000	1	10	N/A
Duplicate	121653r1				
Duplicate-2	none				
Blank Spike	sPW0295	1000	1	10	10
Blank Spike Duplicate	dPW0295	1000	1	10	10
Matrix Spike	125010s2				
Matrix Spike Duplicate	125010d2				
Matrix Spike-2	none				
Matrix Spike Duplicate-2	none				

Sample	Client Sample ID	Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	Comments
125060-11	141123SGA16ERV	900	1	10	

STL Seattle

6a **Sample Information**

Client Name	URS Corporation
Work Order Number	125060
Sample Number	11
Data Filename	PW0295
Client Sample ID	41123SGA16ERW
Date Received	11-24-04
Date Prepared	11-29-04
Date Analyzed	12-01-04
Sample matrix type	liquid
QC sample type	sample

Related Blank: PW0295

Sample volume (ml)	900	=	0.9 /L	Calc. Fact.	0.001111111
Extract volume (ml)	1	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.111111111
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	13.134		65.7	OK	47	136
x	Decachlorobiphenyl	9.416	N	47.1	LOW	56	145
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	0.851	C1		0.000946	J C1	0.00111
x	Endosulfan II	2.571	C1		0.00286	C1	0.00222

$\left(\frac{2.571}{900}\right) = 0.002856$

12/8/04

01178

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
Data Filename	PW0295
Client Sample ID	
Date Received	
Date Prepared	11-29-04
Date Analyzed	12-01-04
Sample matrix type	liquid
QC sample type	blank

Related Blank: noblank

Sample volume (ml)	1000	=	1 /L	Calc. Fact.	0.001
Extract volume (ml)	1	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	13.293		66.5	OK	47	136
x	Decachlorobiphenyl	13.8849		69.4	OK	56	145
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: PW0295
Data Filename	**PW0295**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**bs**

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.001
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	14.1523		70.8	OK	47	136
x	Decachlorobiphenyl	7.0814	N	35.4	LOW	56	145
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	16.2214	C1		0.0162	C1	0.001
x	alpha-BHC	16.5947	C1		0.0166	C1	0.001
x	beta-BHC	16.9043	C1		0.0169	C1	0.001
x	delta-BHC	14.8463	C1		0.0148	C1	0.001
x	gamma-BHC (Lindane)	17.0517	C1		0.0171	C1	0.001
x	4,4'-DDD	13.7617	C1		0.0138	C1	0.004
x	4,4'-DDE	16.3564	C1		0.0164	C1	0.004
x	4,4'-DDT	20.52	C1		0.0205	C1	0.004
x	Dieldrin	16.0076	C1		0.016	C1	0.002
x	Endosulfan I	16.3905	C1		0.0164	C1	0.001
x	Endosulfan II	17.4897	C1		0.0175	C1	0.002
x	Endosulfan sulfate	15.5039	C1		0.0155	C1	0.002
x	Endrin	19.8534	C1		0.0199	C1	0.002
x	Endrin aldehyde	13.354	C2		0.0134	C2	0.002
x	Heptachlor	16.0988	C1		0.0161	C1	0.001
x	Heptachlor epoxide	16.2172	C1		0.0162	C1	0.001
x	Methoxychlor	24.9953	C1		0.025	C1	0.01
x	Endrin ketone	18.2455	C1		0.0182	C1	0.002
x	alpha-Chlordane	23.2814	C2		0.0233	C2	0.001
x	gamma-Chlordane	15.887	C1		0.0159	C1	0.001

Hexachlorobenzene	15.7776	C1	0.0158	C1	0.004
Hexachlorobutadiene	11.6397	C1	0.0116	C1	0.002

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: PW0295
Data Filename	**PW0295**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**bsd**

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.001
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1		

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	15.2729		76.4	**OK**	47	136
x	Decachlorobiphenyl	10.3569	N	51.8	**LOW**	56	145
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	17.2274	C1		0.0172	C1	0.001
x	alpha-BHC	17.2338	C1		0.0172	C1	0.001
x	beta-BHC	17.4248	C1		0.0174	C1	0.001
x	delta-BHC	15.7679	C1		0.0158	C1	0.001
x	gamma-BHC (Lindane)	18.2573	C1		0.0183	C1	0.001
x	4,4'-DDD	14.7281	C1		0.0147	C1	0.004
x	4,4'-DDE	17.7017	C1		0.0177	C1	0.004
x	4,4'-DDT	21.4684	C1		0.0215	C1	0.004
x	Dieldrin	17.9288	C1		0.0179	C1	0.002
x	Endosulfan I	18.8787	C1		0.0189	C1	0.001
x	Endosulfan II	19.4427	C1		0.0194	C1	0.002
x	Endosulfan sulfate	16.4173	C1		0.0164	C1	0.002
x	Endrin	20.4212	C1		0.0204	C1	0.002
x	Endrin aldehyde	14.031	C2		0.014	C2	0.002
x	Heptachlor	17.4021	C1		0.0174	C1	0.001
x	Heptachlor epoxide	16.9802	C1		0.017	C1	0.001
x	Methoxychlor	26.4512	C1		0.0265	C1	0.01
x	Endrin ketone	18.527	C1		0.0185	C1	0.002
x	alpha-Chlordane	15.401	C2		0.0154	C2	0.001
x	gamma-Chlordane	17.215	C1		0.0172	C1	0.001

Hexachlorobenzene	16.1589	C1	0.0162	C1	0.004
Hexachlorobutadiene	12.447	C1	0.0124	C1	0.002

PCB DATA PACKAGE

01184

SAMPLE DATA

01185

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2659.D\ADC1A.CH Vial: 20
Signal #2 : Z:\DATA\PB113004\PCB2659.D\ADC1B.CH
Acq On : 2 Dec 2004 11:01 pm Operator: STM
Sample : 125060-3 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 10:00:52 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

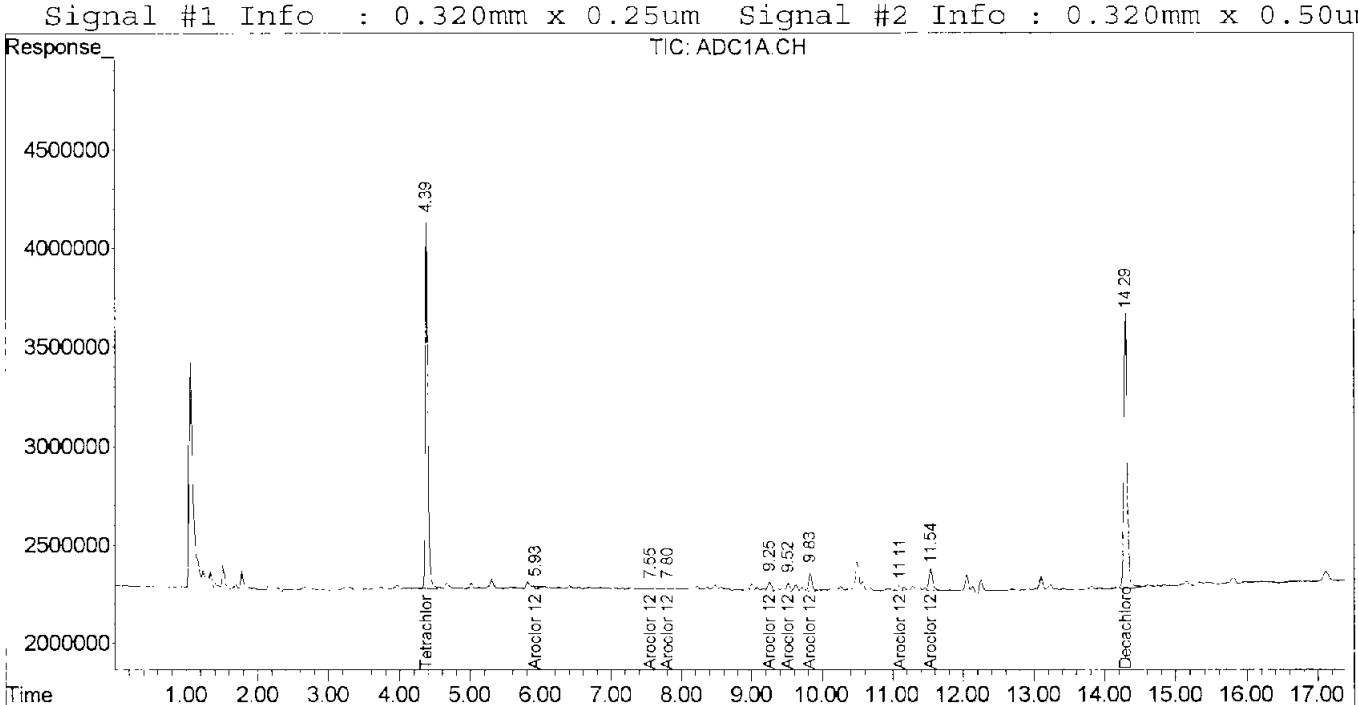
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.62	46723694	26381331	19.186	19.132
Spiked Amount 20.000			Recovery	=	95.93%	95.66%
14) S Decachlorobiphen	14.29	15.84	45061185	23436023	23.607	24.802
Spiked Amount 20.000			Recovery	=	118.04%	124.01%
Target Compounds						
2) L3 Aroclor 1242	5.93	6.18	367616	431652	5.899	18.398 #
3) L3 Aroclor 1242 {2}	6.84	6.81	170700	462915	N.D.	21.690 #
4) L3 Aroclor 1242 {3}	7.55	0.00	100295	0	2.326	N.D. #
5) L3 Aroclor 1242 {4}	7.80	8.19	15189	59822	0.410	N.D. #
6) L3 Aroclor 1242 {5}	8.23	8.53	544982	16571	N.D.	N.D.
7) L3 Aroclor 1242 - T	0.00	0.00	1198782	970961	N.D. m	N.D. m
8) L4 Aroclor 1260	9.25	10.68	1707127	597676	16.716	12.009
9) L4 Aroclor 1260 {2}	9.52	11.19	1281500	1194775	12.545	13.757
10) L4 Aroclor 1260 {3}	9.83	11.91	3097404	597044	15.811	0.340 #
11) L4 Aroclor 1260 {4}	11.11	12.93	1060154	1423376	8.829	10.385
12) L4 Aroclor 1260 {5}	11.54	13.50	4154124	863249	12.764	11.112
13) L4 Aroclor 1260 - T	0.00	0.00	11300309	4676119	13.362m	11.188m

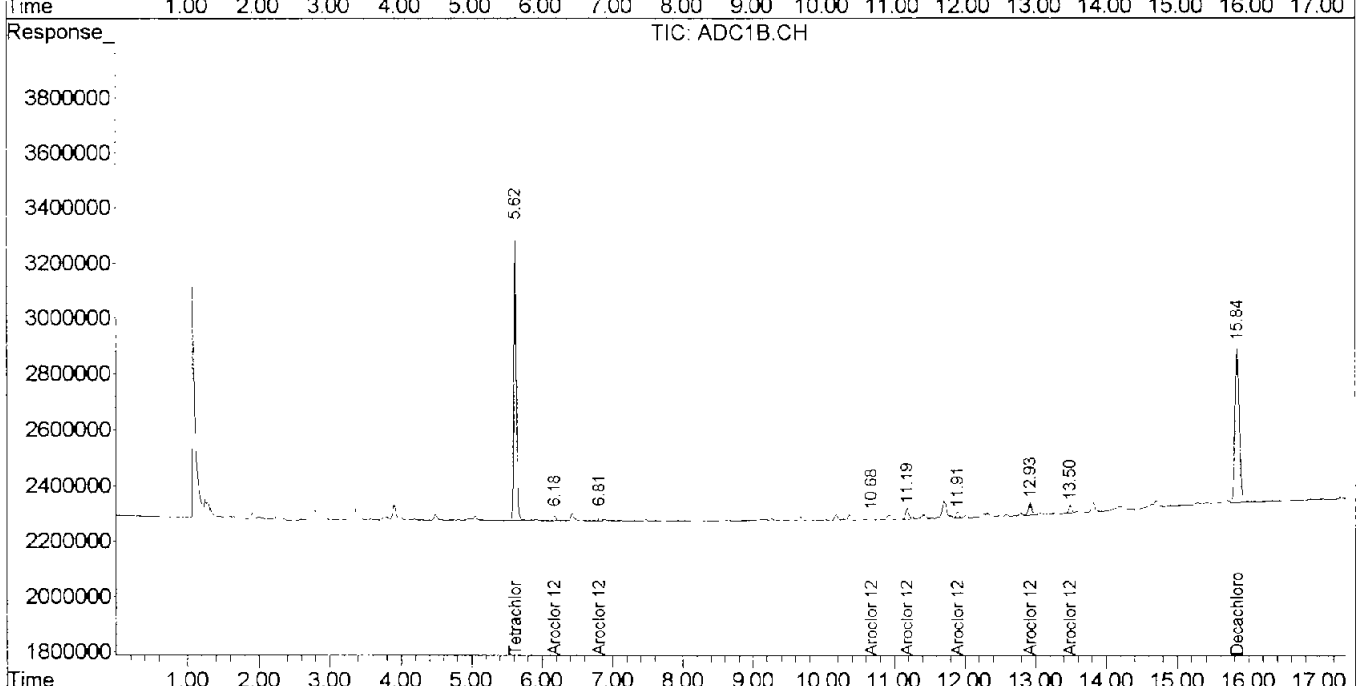
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2659.D\ADC1A.CH Vial: 20
Signal #2 : Z:\DATA\PB113004\PCB2659.D\ADC1B.CH
Acq On : 2 Dec 2004 11:01 pm Operator: STM
Sample : 125060-3 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 10:00 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2660.D\ADC1A.CH Vial: 21
Signal #2 : Z:\DATA\PB113004\PCB2660.D\ADC1B.CH
Acq On : 2 Dec 2004 11:21 pm Operator: STM
Sample : 125060-4 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 10:01:00 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.38	5.62	47357278	27537153	19.446	19.970
	Spiked Amount 20.000			Recovery	=	97.23%	99.85%
14)	S Decachlorobiphen	14.30	15.84	44207000	23374791	23.134	24.732
	Spiked Amount 20.000			Recovery	=	115.67%	123.66%
	Target Compounds						
2)	L3 Aroclor 1242	0.00	6.18	0	499442	N.D.	21.287 #
3)	L3 Aroclor 1242 {2}	6.85	6.82	246442	142506	N.D.	6.677 #
4)	L3 Aroclor 1242 {3}	7.54	0.00	110924	0	2.573	N.D. #
5)	L3 Aroclor 1242 {4}	7.77	8.21	239426	74937	6.460	N.D. #
6)	L3 Aroclor 1242 {5}	8.23	0.00	312435	0	N.D.	N.D.
7)	L3 Aroclor 1242 - T	0.00	0.00	909226	716886	N.D. m	N.D. m
8)	L4 Aroclor 1260	9.27	10.68	202471	115608	1.983	2.323
9)	L4 Aroclor 1260 {2}	0.00	0.00	0	0	N.D.	N.D.
10)	L4 Aroclor 1260 {3}	9.83	11.91	107025	40268	0.546	N.D. #
11)	L4 Aroclor 1260 {4}	11.13	0.00	175017	0	1.458	N.D. #
12)	L4 Aroclor 1260 {5}	11.55	0.00	1954003	0	6.004	N.D. #
13)	L4 Aroclor 1260 - T	0.00	0.00	2438516	155876	2.883m	0.373m#

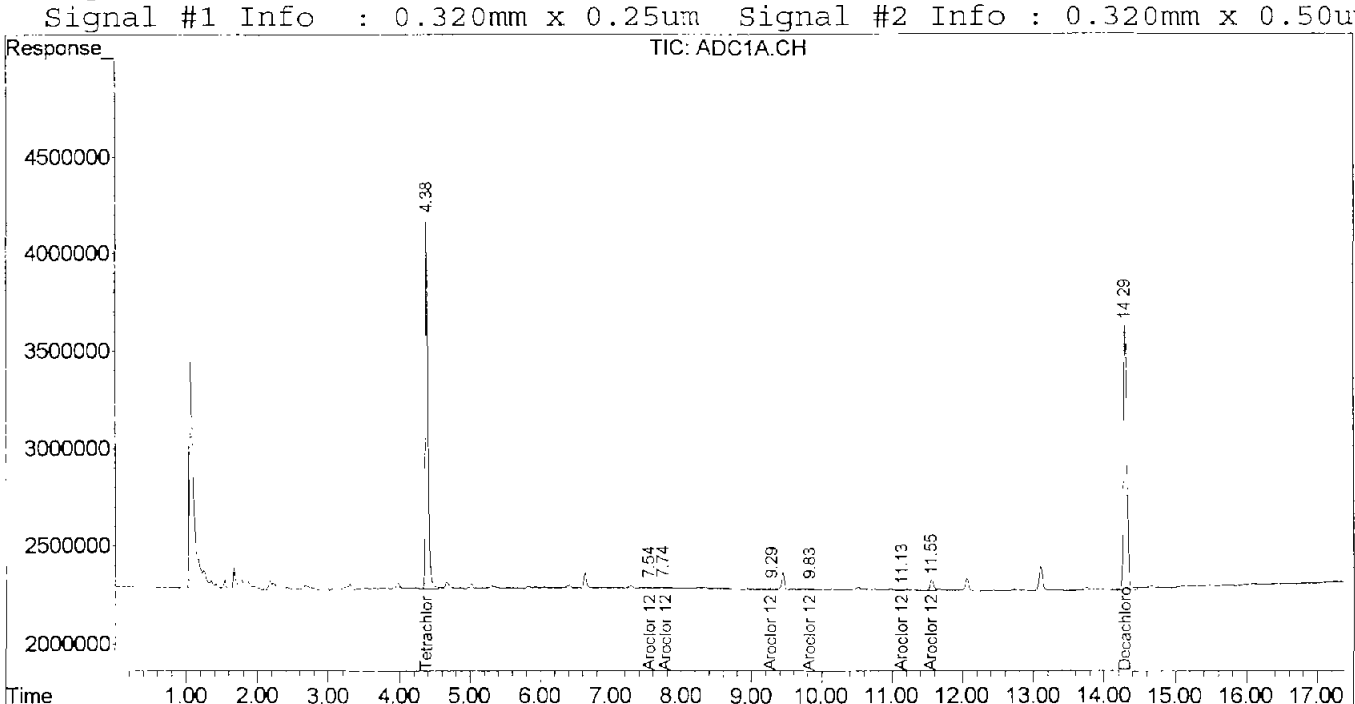
ND

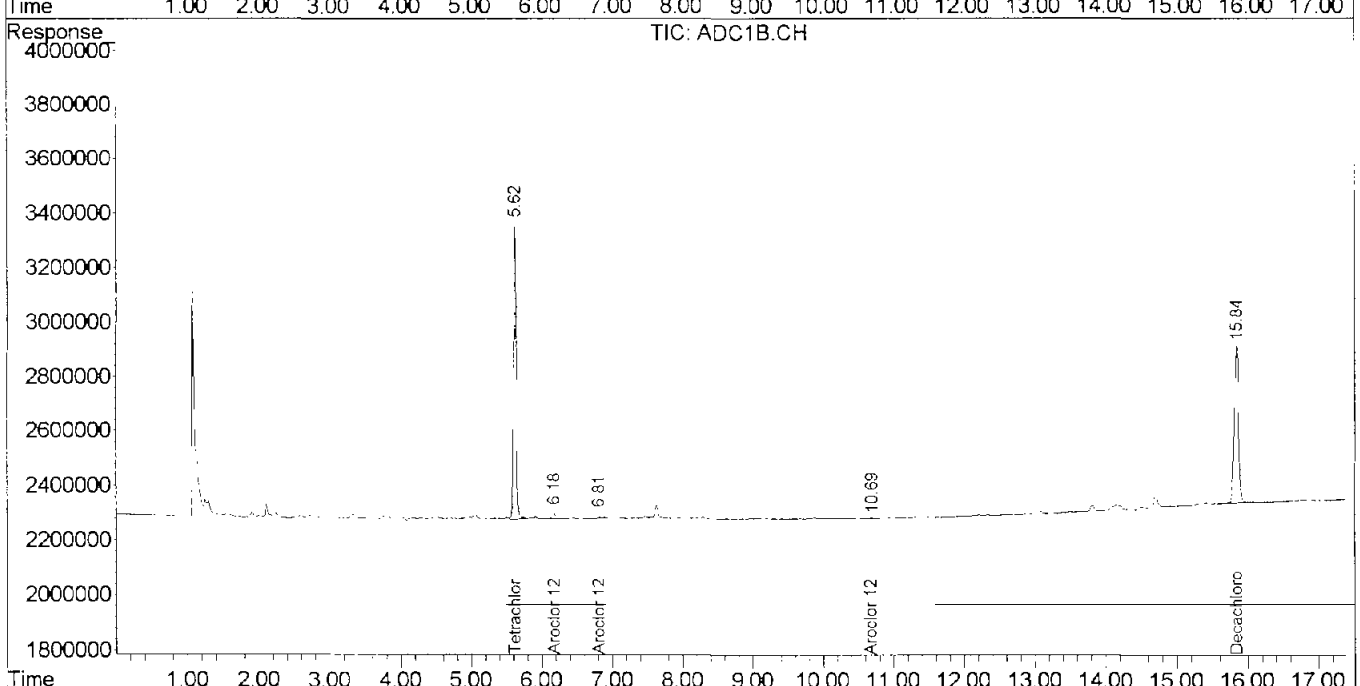
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2660.D\ADC1A.CH Vial: 21
Signal #2 : Z:\DATA\PB113004\PCB2660.D\ADC1B.CH
Acq On : 2 Dec 2004 11:21 pm Operator: STM
Sample : 125060-4 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 10:01 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2661.D\ADC1A.CH Vial: 22
Signal #2 : Z:\DATA\PB113004\PCB2661.D\ADC1B.CH
Acq On : 2 Dec 2004 11:41 pm Operator: STM
Sample : 125060-5 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 10:01:05 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.62	46394236	26119349	19.051	18.942
Spiked Amount 20.000			Recovery	=	95.25%	94.71%
14) S Decachlorobiphen	14.30	15.85	43763868	23378052	22.889	24.736
Spiked Amount 20.000			Recovery	=	114.44%	123.68%
Target Compounds						
2) L3 Aroclor 1242	5.90	6.18	532099	418602	8.538	17.842 #
3) L3 Aroclor 1242 {2}	6.83	6.82	166018	281614	N.D.	13.195 #
4) L3 Aroclor 1242 {3}	7.54	8.02	136890	18089	3.175	N.D. #
5) L3 Aroclor 1242 {4}	7.85	0.00	78909	0	2.129	N.D. #
6) L3 Aroclor 1242 {5}	8.23	0.00	270098	0	N.D.	N.D.
7) L3 Aroclor 1242 - T	0.00	0.00	1184015	718305	N.D. m	N.D. m
8) L4 Aroclor 1260	9.25	10.69	409421	238082	4.009	4.784
9) L4 Aroclor 1260 {2}	9.52	11.19	258366	695823	2.529	8.012 #
10) L4 Aroclor 1260 {3}	9.83	11.91	718460	289199	3.668	N.D. #
11) L4 Aroclor 1260 {4}	11.11	12.93	533824	1046546	4.446	7.635 #
12) L4 Aroclor 1260 {5}	11.54	0.00	3609727	0	11.092	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	5529798	2269650	6.539m	5.430m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PCB2661.D 42601130.M Wed Dec 29 16:05:48 2004 Page 1

46421

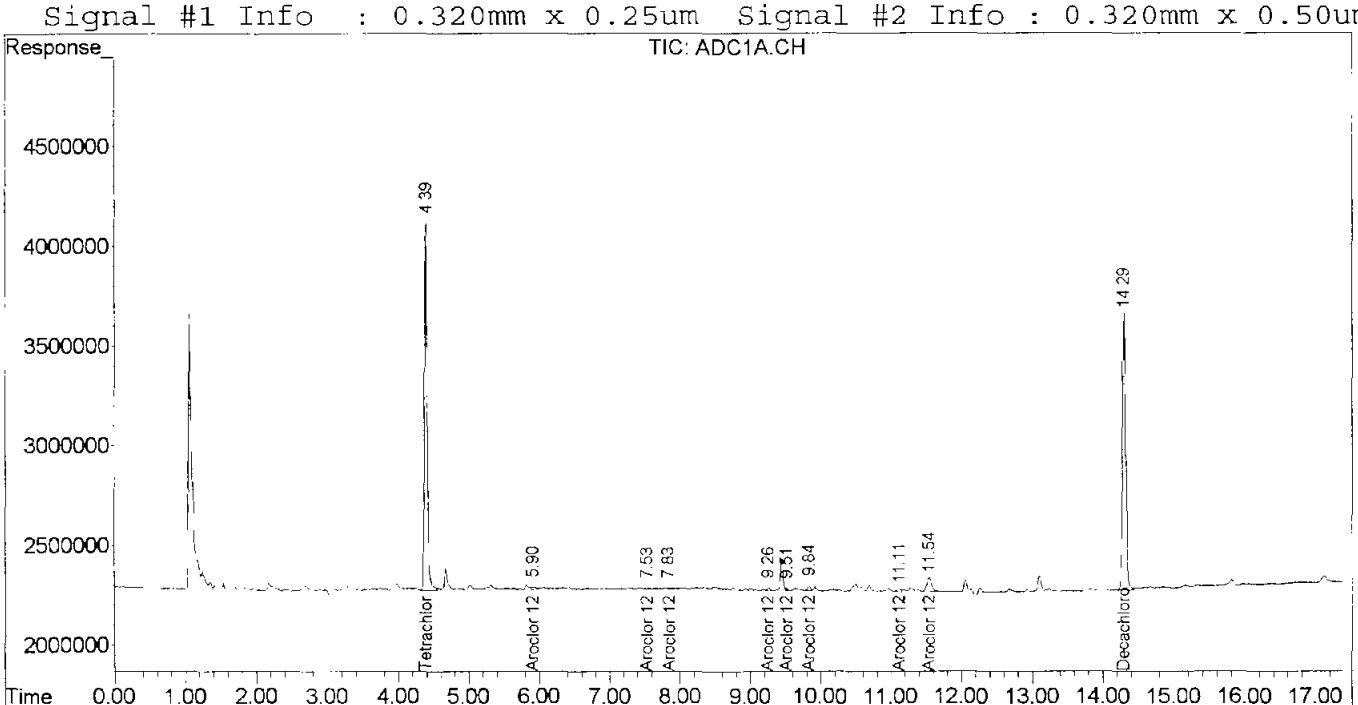
01190

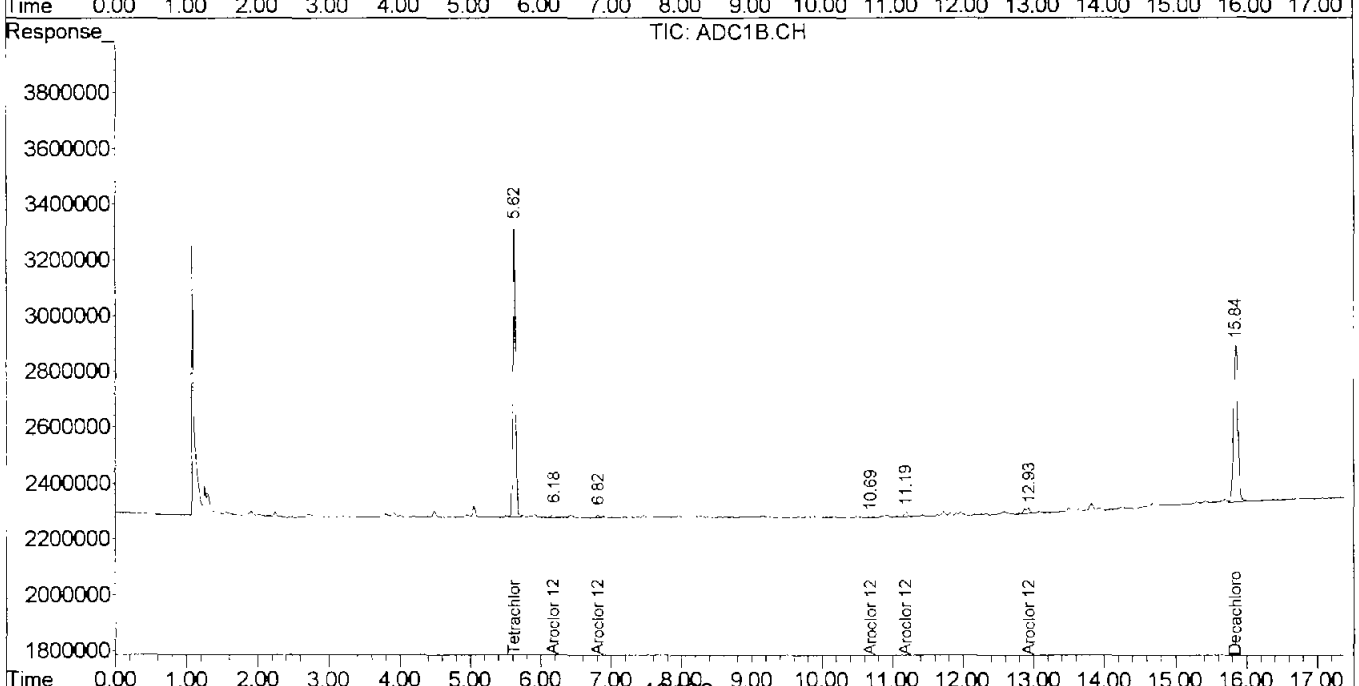
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2661.D\ADC1A.CH Vial: 22
Signal #2 : Z:\DATA\PB113004\PCB2661.D\ADC1B.CH
Acq On : 2 Dec 2004 11:41 pm Operator: STM
Sample : 125060-5 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 10:01 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2662.D\ADC1A.CH Vial: 23
Signal #2 : Z:\DATA\PB113004\PCB2662.D\ADC1B.CH
Acq On : 3 Dec 2004 12:01 am Operator: STM
Sample : 125060-6 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 10:01:16 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.63	45395811	25847454	18.641	18.744
Spiked Amount 20.000			Recovery	=	93.20%	93.72%
14) S Decachlorobiphen	14.31	15.86	45491992	23446075	23.845	24.813
Spiked Amount 20.000			Recovery	=	119.23%	124.07%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.19	144870	436208	2.325	18.592 #
3) L3 Aroclor 1242 {2}	6.84	6.83	200675	346483	N.D.	16.234 #
4) L3 Aroclor 1242 {3}	7.54	0.00	134451	0	3.119	N.D. #
5) L3 Aroclor 1242 {4}	7.79	0.00	107359	0	2.897	N.D. #
6) L3 Aroclor 1242 {5}	8.23	0.00	293200	0	N.D.	N.D.
7) L3 Aroclor 1242 - T	0.00	0.00	880555	782691	N.D. m	N.D. m
8) L4 Aroclor 1260	9.27	10.69	208848	62884	2.045	1.264
9) L4 Aroclor 1260 {2}	0.00	11.21	0	65770	N.D.	0.757 #
10) L4 Aroclor 1260 {3}	9.85	11.91	131197	41942	0.670	N.D. #
11) L4 Aroclor 1260 {4}	0.00	0.00	0	0	N.D.	N.D.
12) L4 Aroclor 1260 {5}	11.57	0.00	1549660	0	4.762	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	1889705	170595	2.234m	0.408m#

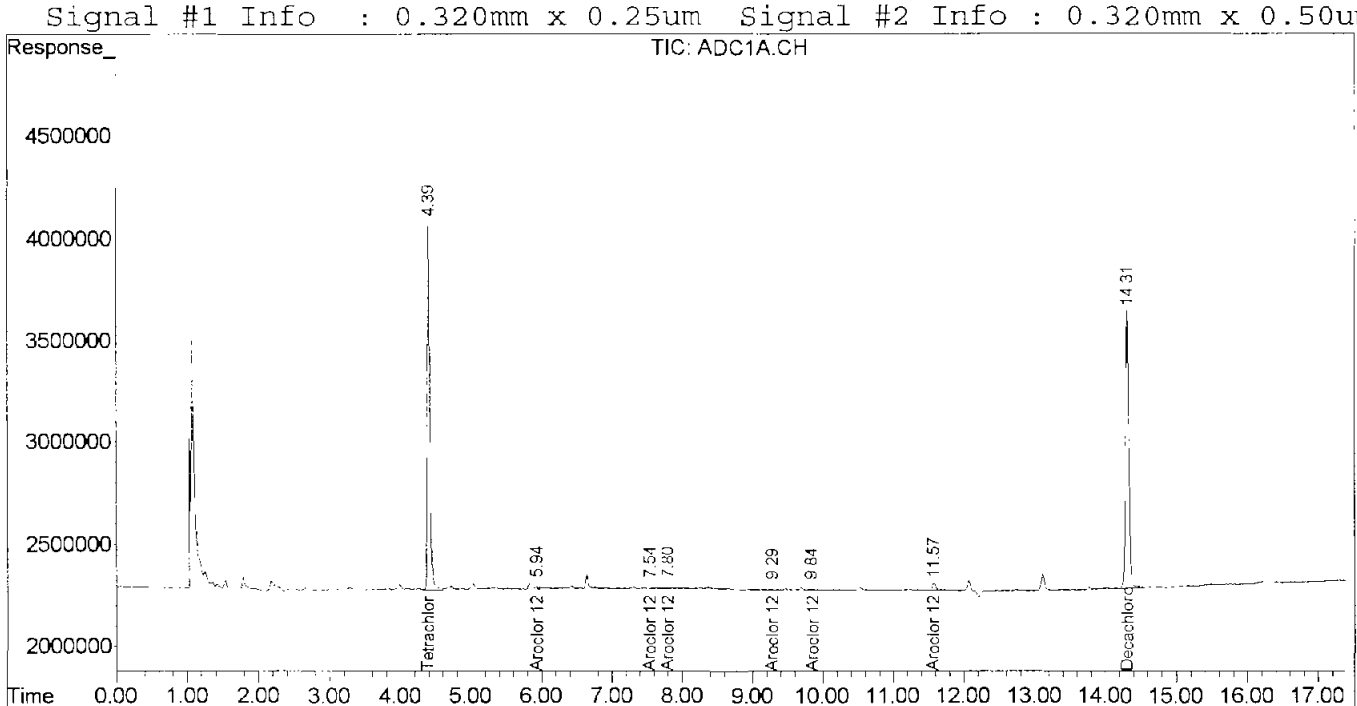
(2)

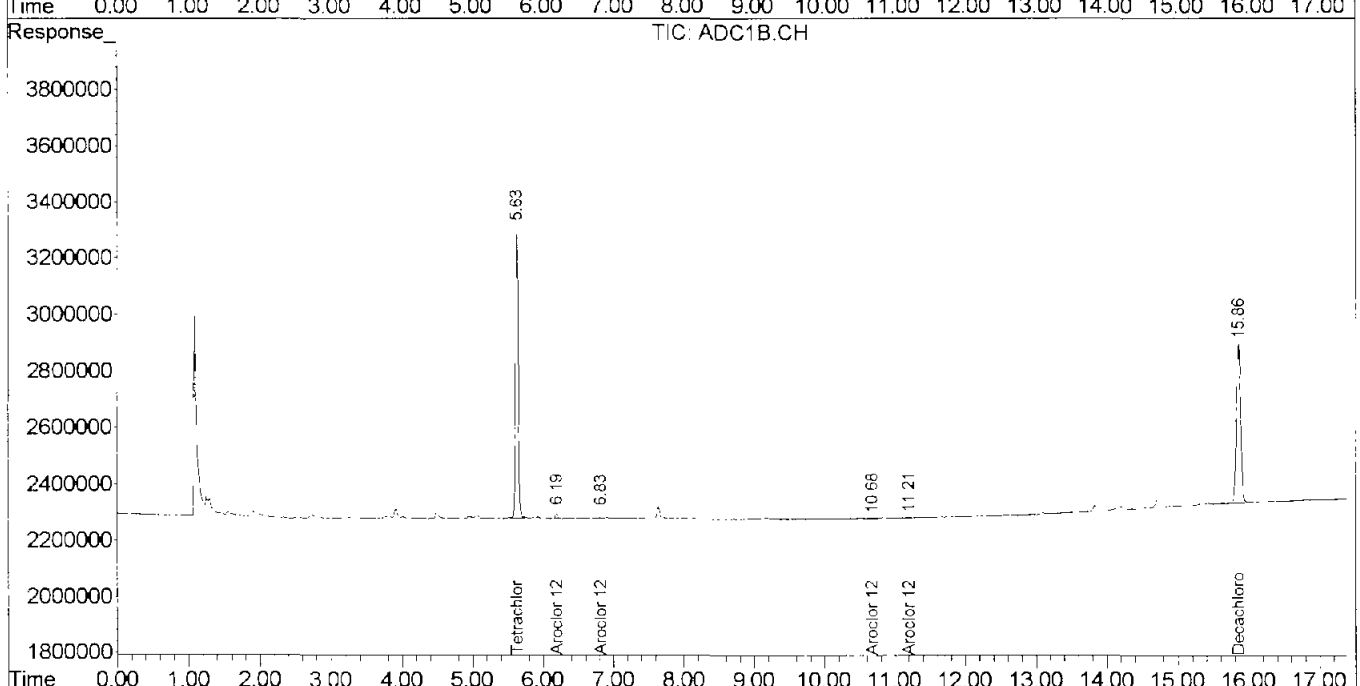
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2662.D\ADC1A.CH Vial: 23
Signal #2 : Z:\DATA\PB113004\PCB2662.D\ADC1B.CH
Acq On : 3 Dec 2004 12:01 am Operator: STM
Sample : 125060-6 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 10:01 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2581.D\ADC1A.CH Vial: 21
Signal #2 : Z:\DATA\PB113004\PCB2581.D\ADC1B.CH
Acq On : 1 Dec 2004 9:02 pm Operator: STM
Sample : 125060-11 liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 02 14:59:26 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.62	32837027	19183140	13.484	13.911
Spiked Amount 20.000			Recovery	=	67.42%	69.56%
14) S Decachlorobiphen	14.29	15.84	46606031	23800783	24.461	25.217
Spiked Amount 20.000			Recovery	=	122.30%	126.09%
Target Compounds						
2) L3 Aroclor 1242	5.98	6.18	3448783	374261	55.342	15.952 #
3) L3 Aroclor 1242 {2}	6.81	6.81	1324952	4860871	11.649	227.756 #
4) L3 Aroclor 1242 {3}	7.61	8.01	424204	143330	9.839	N.D. #
5) L3 Aroclor 1242 {4}	7.84	8.21	53169	164810	1.435	N.D. #
6) L3 Aroclor 1242 {5}	8.23	8.50	2137385	184172	17.412	N.D. #
7) L3 Aroclor 1242 - T	0.00	0.00	7388493	5727444	18.415m	49.406m#
8) L4 Aroclor 1260	9.28	10.67	2896531	1020720	28.363	20.510
9) L4 Aroclor 1260 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L4 Aroclor 1260 {3}	0.00	0.00	0	0	N.D.	N.D.
11) L4 Aroclor 1260 {4}	11.13	0.00	94003	0	0.783	N.D. #
12) L4 Aroclor 1260 {5}	11.55	0.00	924428	0	2.841	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	3914962	1020720	4.629m	2.442m#

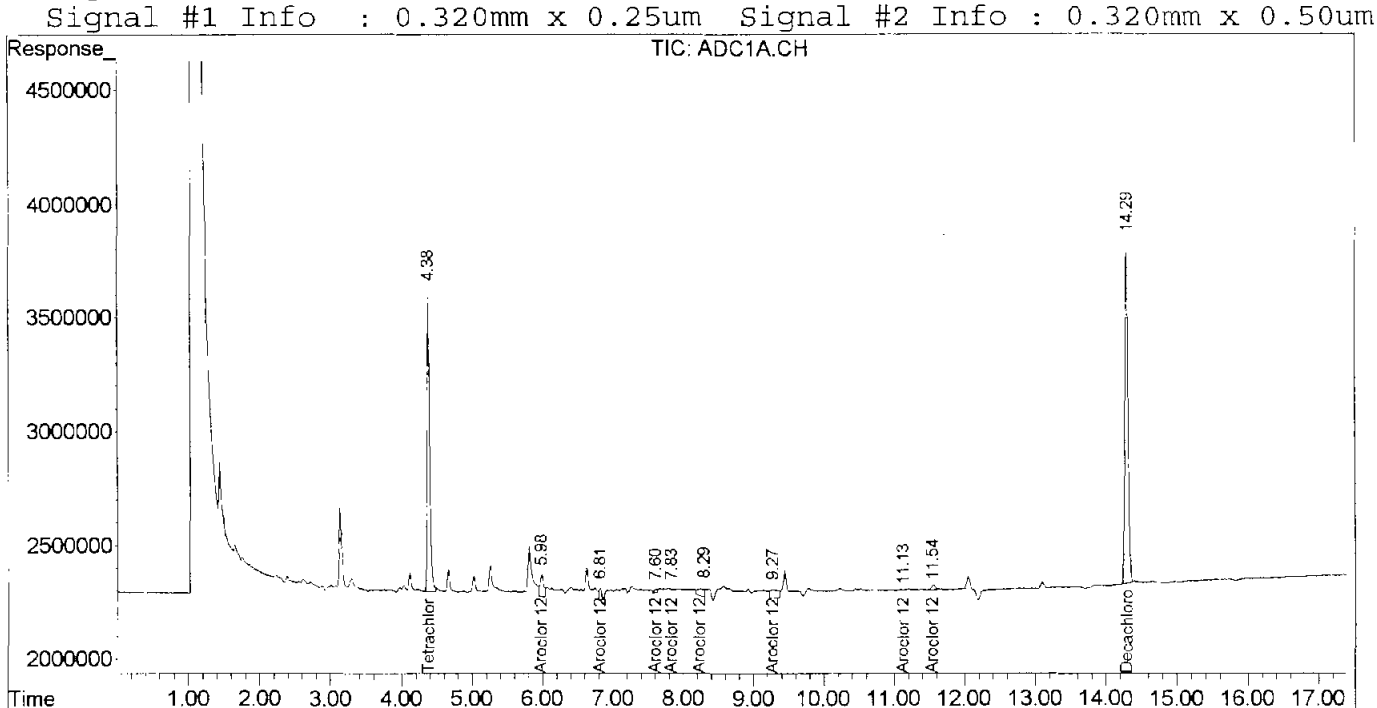
No Aroclor pattern

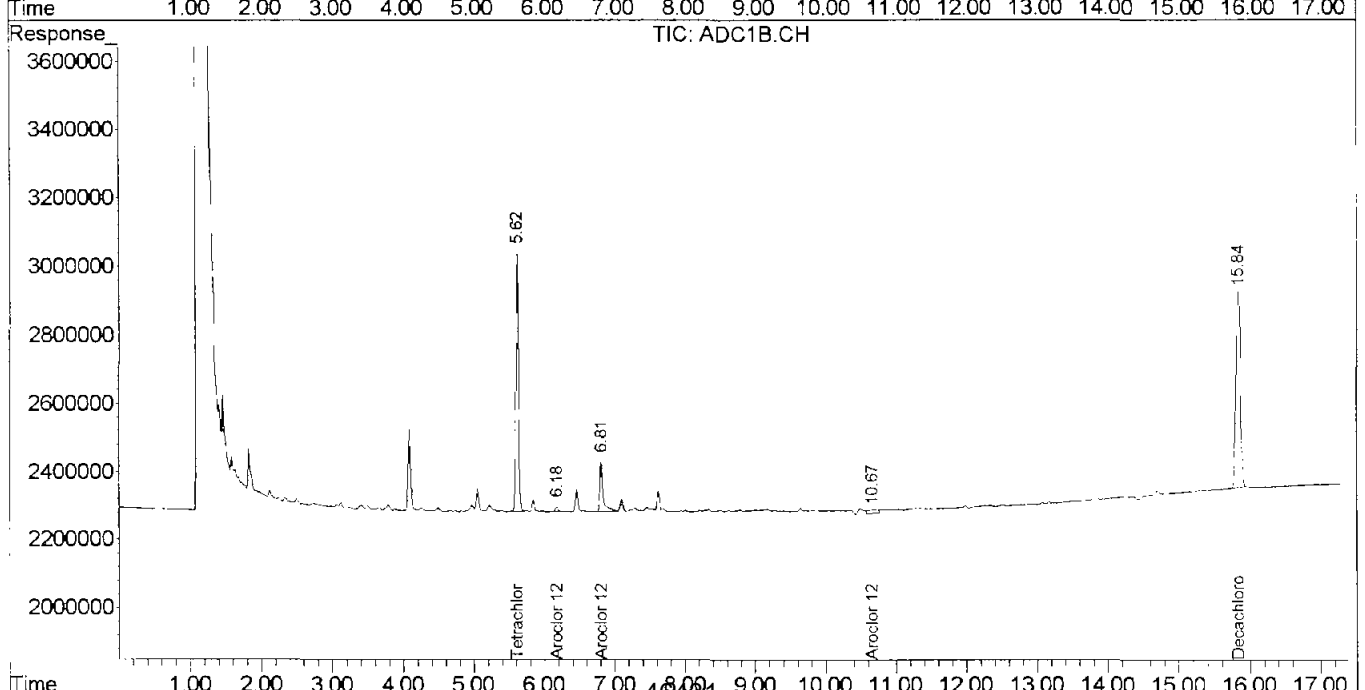
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2581.D\ADC1A.CH Vial: 21
Signal #2 : Z:\DATA\PB113004\PCB2581.D\ADC1B.CH
Acq On : 1 Dec 2004 9:02 pm Operator: STM
Sample : 125060-11 liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 14:59 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





INITIAL CALIBRATION

01196

Response Factor Report Dual Colu

Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004

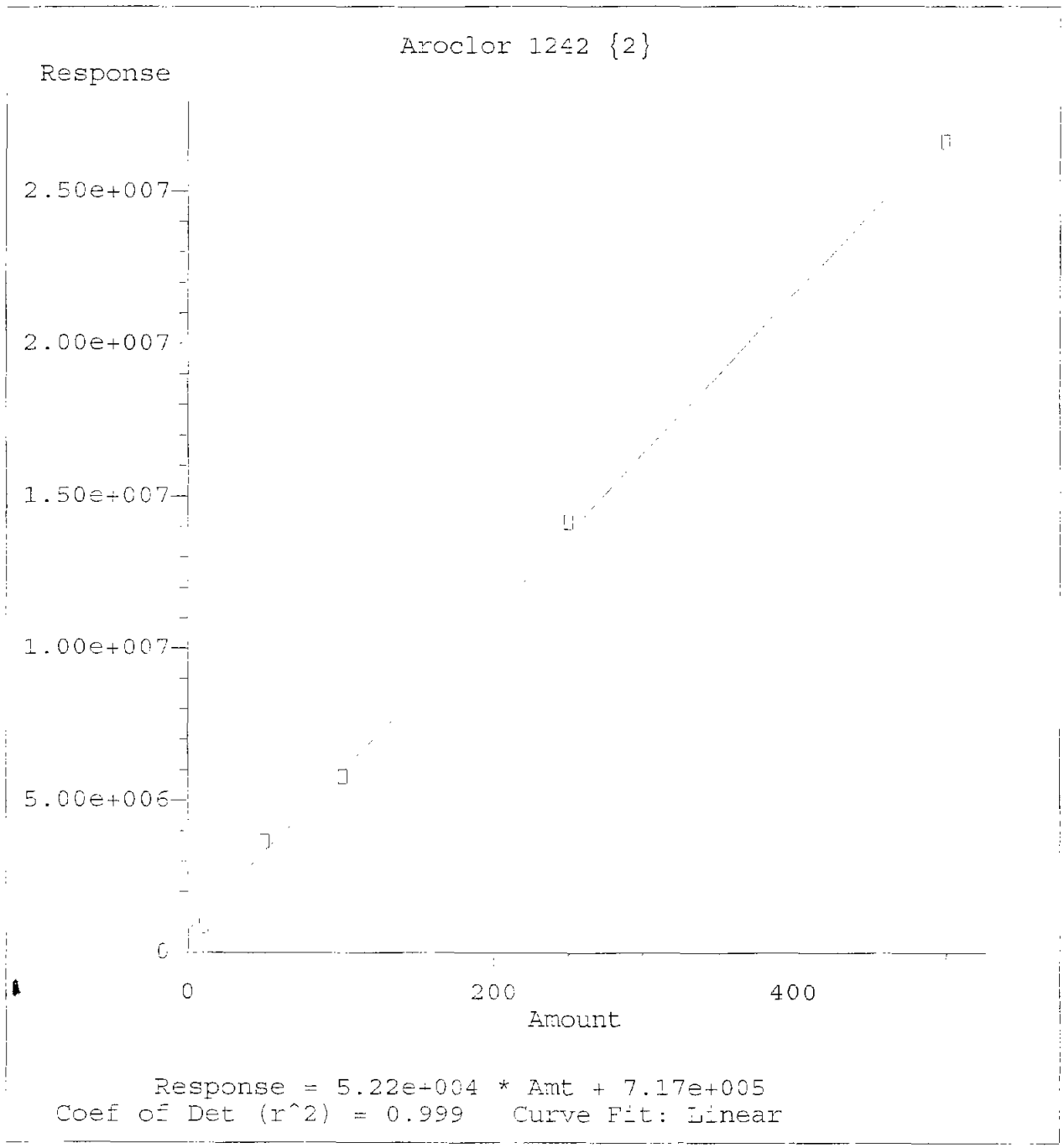
Calibration Files
10 =PCB2495.D 50 =PCB2496.D 100 =PCB2497.D
250 =PCB2498.D 500 =PCB2499.D

		Compound	10	50	100	250	500	Avg		%RSD	
1)	S	Tetrachloro-m-xylene	2.630	2.508	2.245	2.344	2.450	2.435	E6	6.09	
2)	L1	Aroclor 1242	7.940	6.808	5.633	5.550	5.228	6.232	E4	18.09	
3)	L1	Aroclor 1242 {2}	8.669	7.326	5.774	5.656	5.324	6.550	E4	21.59	-Lin.Reg
4)	L1	Aroclor 1242 {3}	5.375	4.785	3.952	3.848	3.596	4.311	E4	17.25	
5)	L1	Aroclor 1242 {4}	3.442	4.130	3.675	3.740	3.545	3.706	E4	7.10	
6)	L1	Aroclor 1242 {5}	1.447	0.845	0.725	0.710	0.655	0.876	E5	37.26	-Lin.Reg.
7)	L1	Aroclor 1242 - Total	3.990	3.150	2.628	2.589	2.424	2.956	E5	21.60	-Lin.Reg
8)	L2	Aroclor 1260	0.991	1.130	1.013	1.005	0.967	1.021	E5	6.18	
9)	L2	Aroclor 1260 {2}	1.173	1.083	0.965	0.959	0.928	1.022	E5	10.10	
10)	L2	Aroclor 1260 {3}	2.089	2.054	1.852	1.891	1.908	1.959	E5	5.38	
11)	L2	Aroclor 1260 {4}	1.326	1.255	1.137	1.151	1.135	1.201	E5	7.16	
12)	L2	Aroclor 1260 {5}	4.345	3.142	2.809	2.919	3.057	3.254	E5	19.14	
13)	L2	Aroclor 1260 - Total	9.925	8.664	7.776	7.926	7.995	8.457	E5	10.50	
14)	S	Decachlorobiphenyl (S	6.113	2.388	1.841	1.847	1.876	2.813	E6	66.10	-Lin.Reg

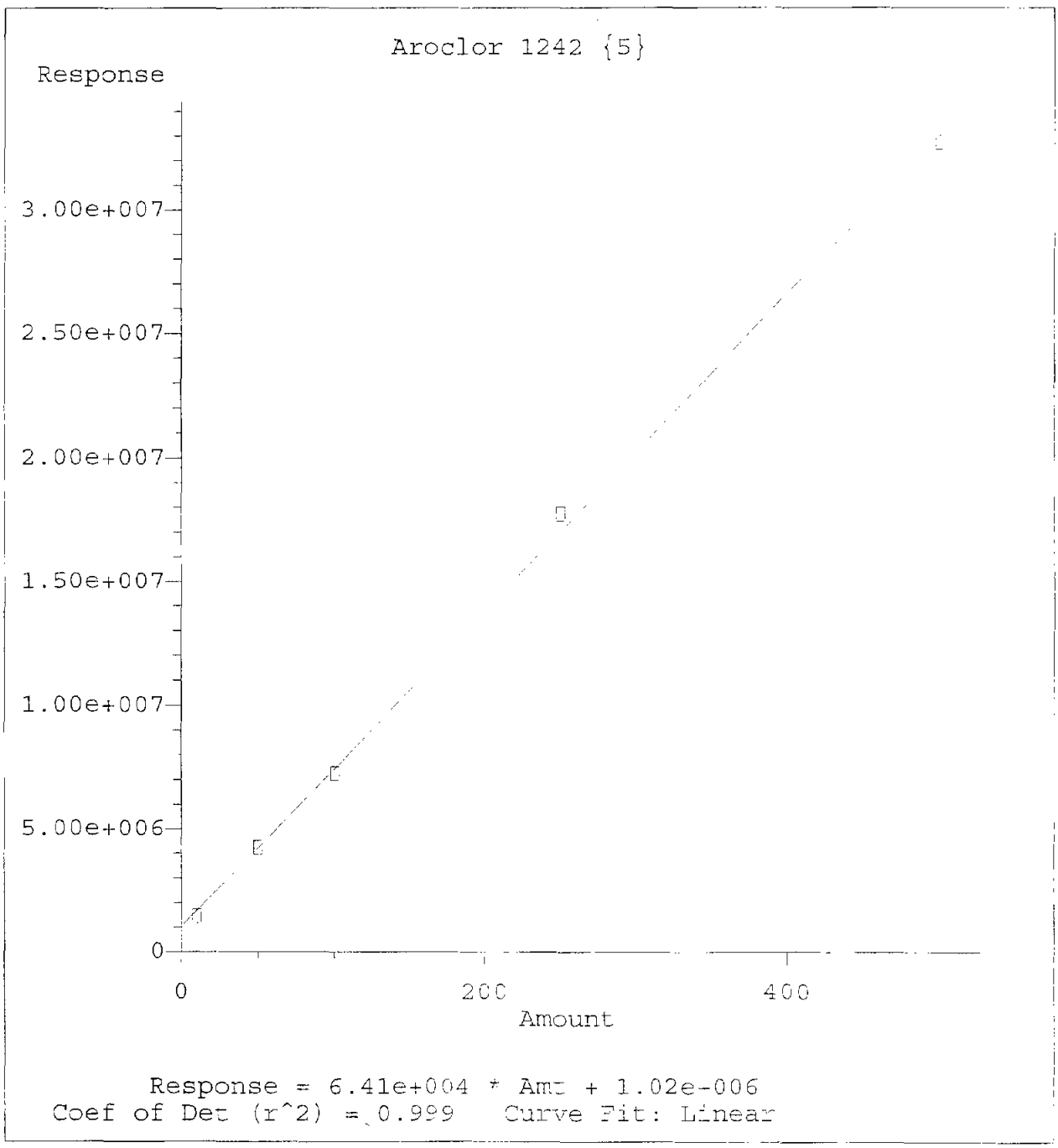
Signal #2 Calibration Files
10 =PCB2495.D 50 =PCB2496.D 100 =PCB2497.D
250 =PCB2498.D 500 =PCB2499.D

		Compound	10	50	100	250	500	Avg		%RSD	
1)	S	Tetrachloro-m-xylene	1.579	1.476	1.305	1.293	1.242	1.379	E6	10.33	
2)	L3	Aroclor 1242	2.979	2.426	2.189	2.137	2.000	2.346	E4	16.45	
3)	L3	Aroclor 1242 {2}	2.162	2.348	2.124	2.091	1.947	2.134	E4	6.77	
4)	L3	Aroclor 1242 {3}	3.894	2.914	2.592	2.587	2.443	2.886	E4	20.41	-Lin.Reg
5)	L3	Aroclor 1242 {4}	3.281	1.823	1.616	1.545	1.453	1.944	E4	39.11	-Lin.Reg
6)	L3	Aroclor 1242 {5}	3.837	2.122	1.906	1.910	1.811	2.317	E4	37.00	-Lin.Reg
7)	L3	Aroclor 1242 - Total	1.615	1.163	1.043	1.027	0.965	1.163	E5	22.62	-Lin.Reg
8)	L4	Aroclor 1260	5.787	5.305	4.799	4.650	4.343	4.977	E4	11.47	
9)	L4	Aroclor 1260 {2}	9.813	9.392	8.402	8.132	7.685	8.685	E4	10.23	
10)	L4	Aroclor 1260 {3}	9.114	6.758	5.978	5.888	5.555	6.659	E4	21.65	-Lin.Reg
11)	L4	Aroclor 1260 {4}	1.454	1.464	1.329	1.326	1.280	1.371	E5	6.05	
12)	L4	Aroclor 1260 {5}	7.788	8.302	7.640	7.748	7.367	7.769	E4	4.38	
13)	L4	Aroclor 1260 - Total	4.704	4.440	4.011	3.968	3.775	4.180	E5	9.11	
14)	S	Decachlorobiphenyl (S	3.063	1.245	0.938	0.953	0.913	1.422	E6	65.15	-Lin.Reg

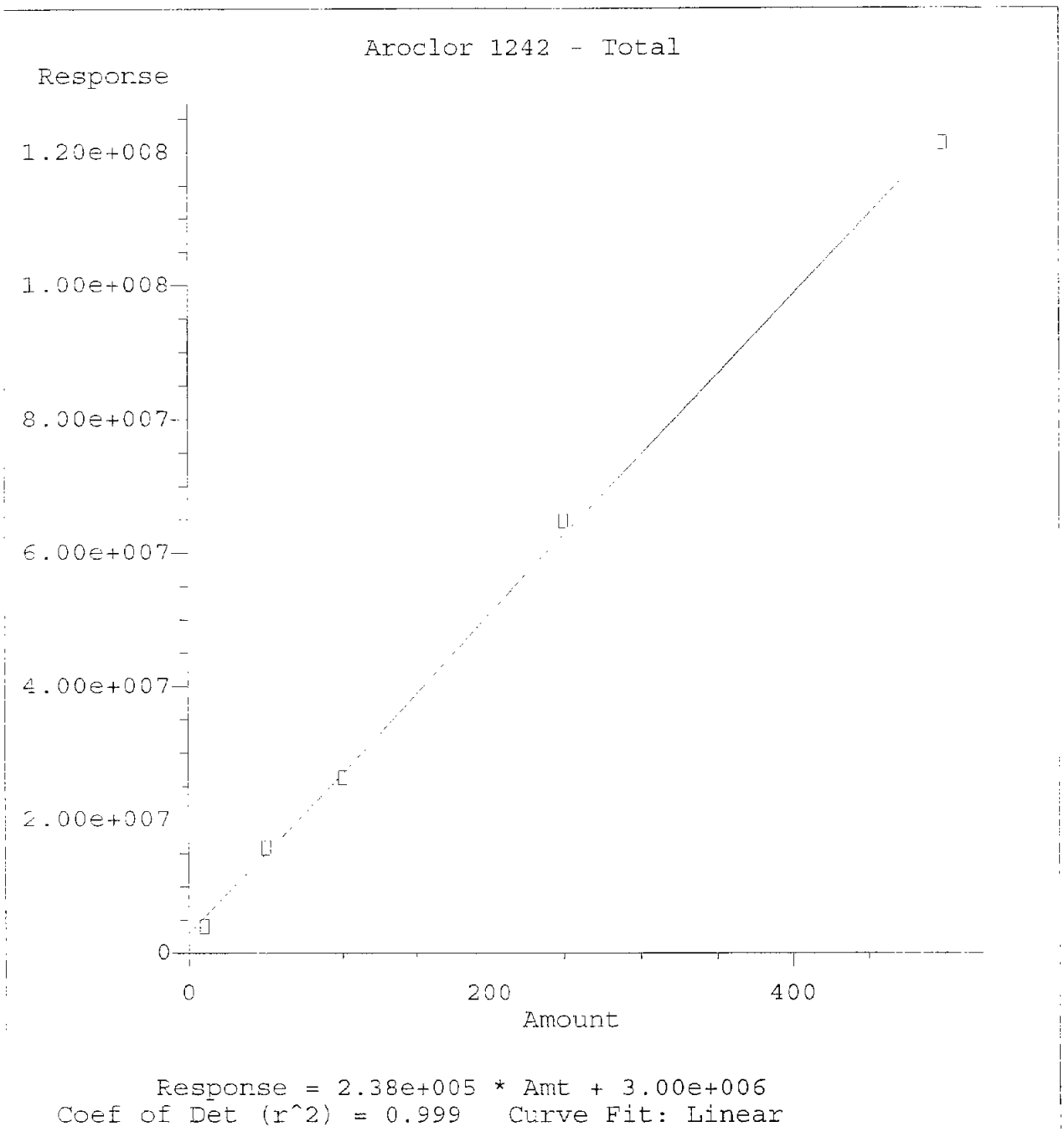
(#) = Out of Range



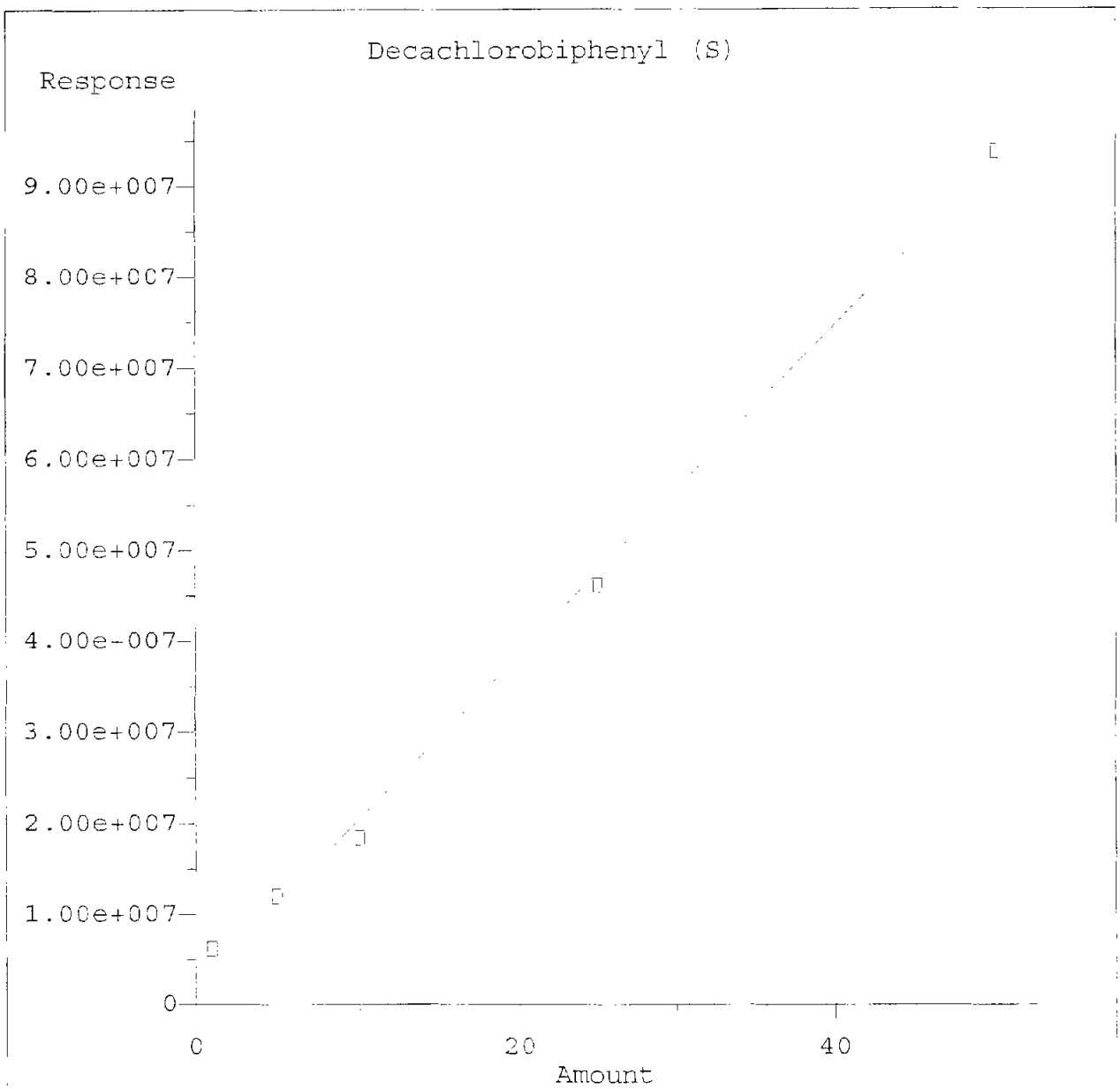
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004



Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004



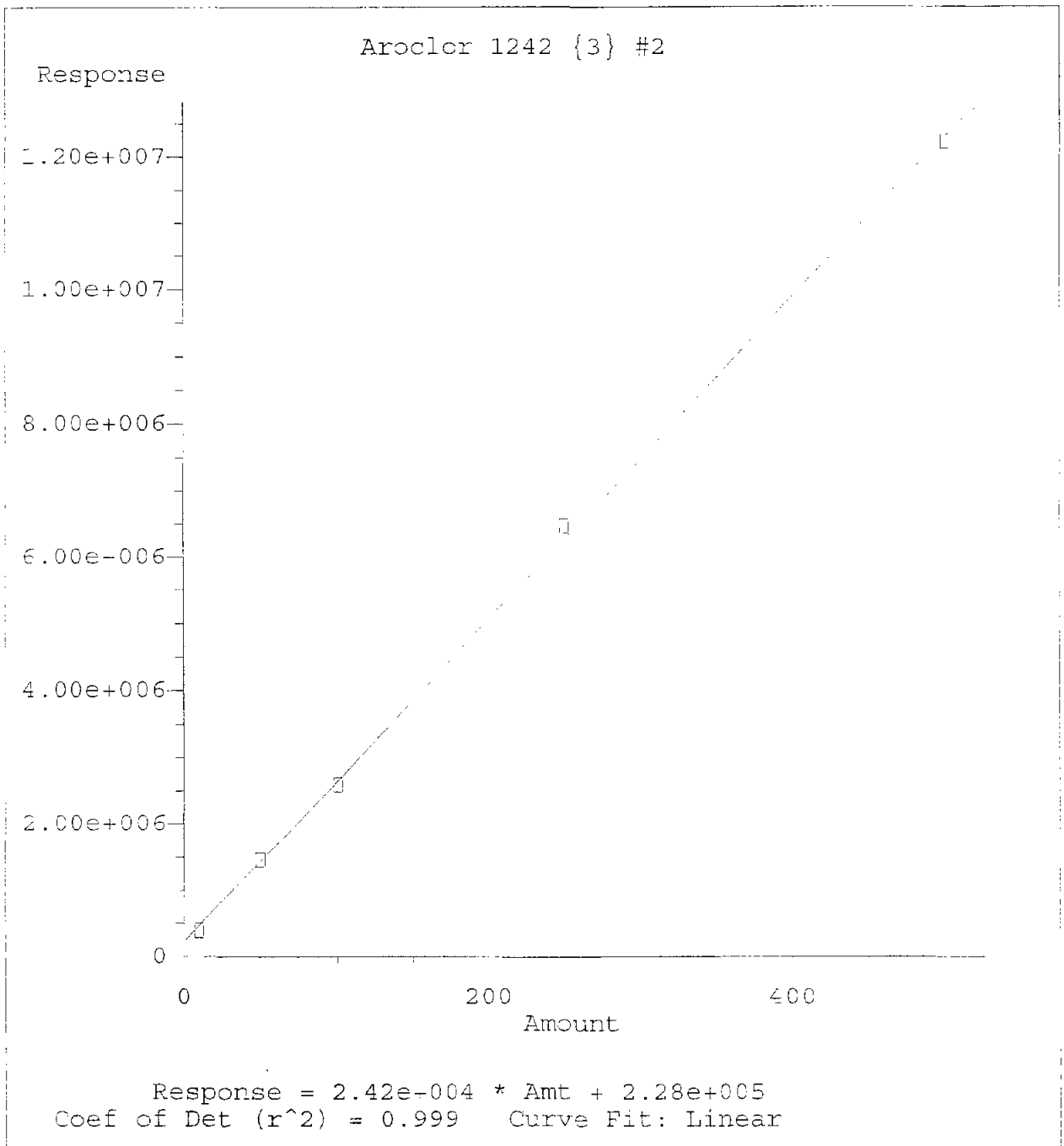
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004



Response = 1.81e+006 * Amt + 2.38e+006
Coef of Det (r^2) = 0.998 Curve Fit: Linear

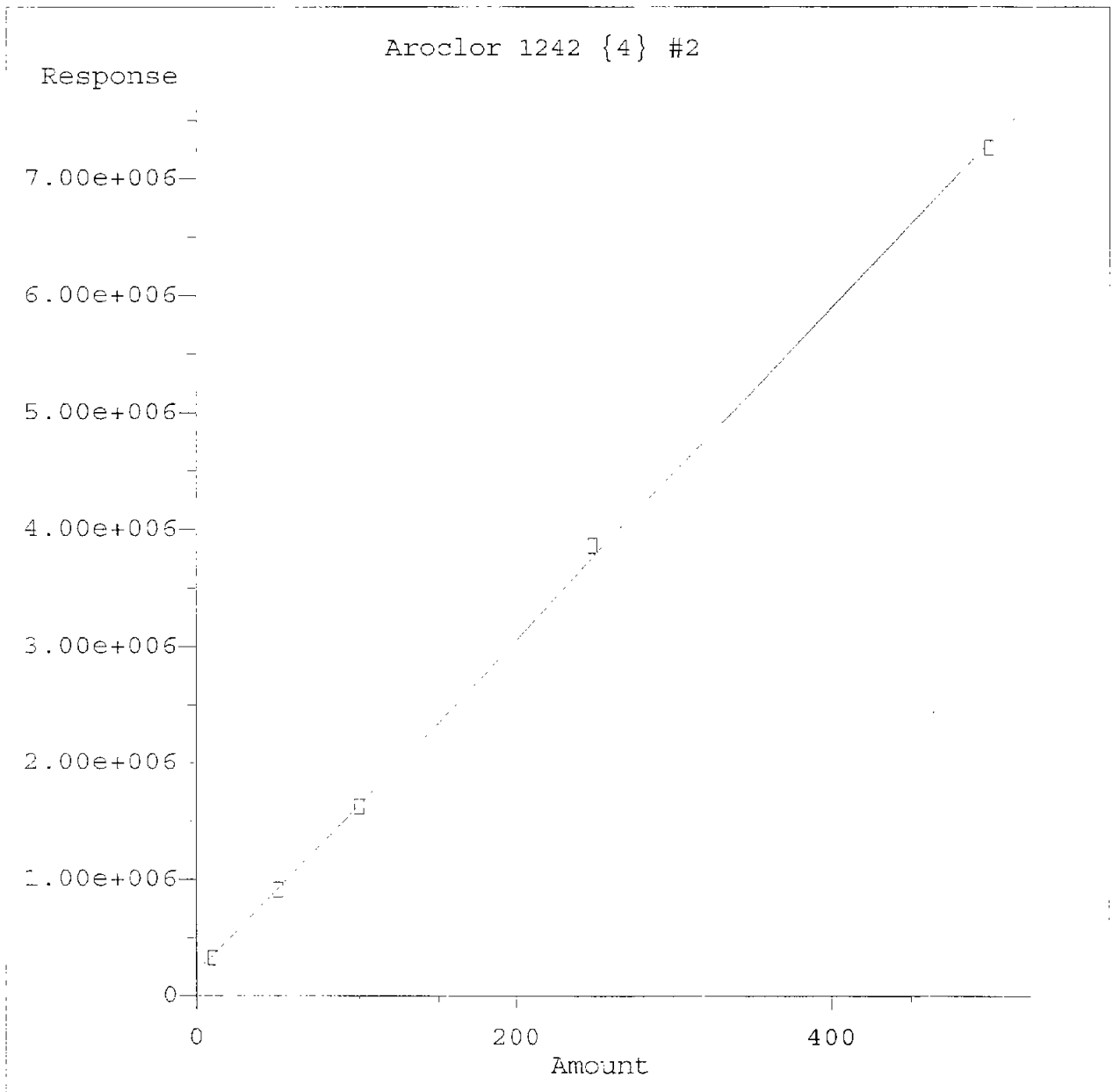
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

01201



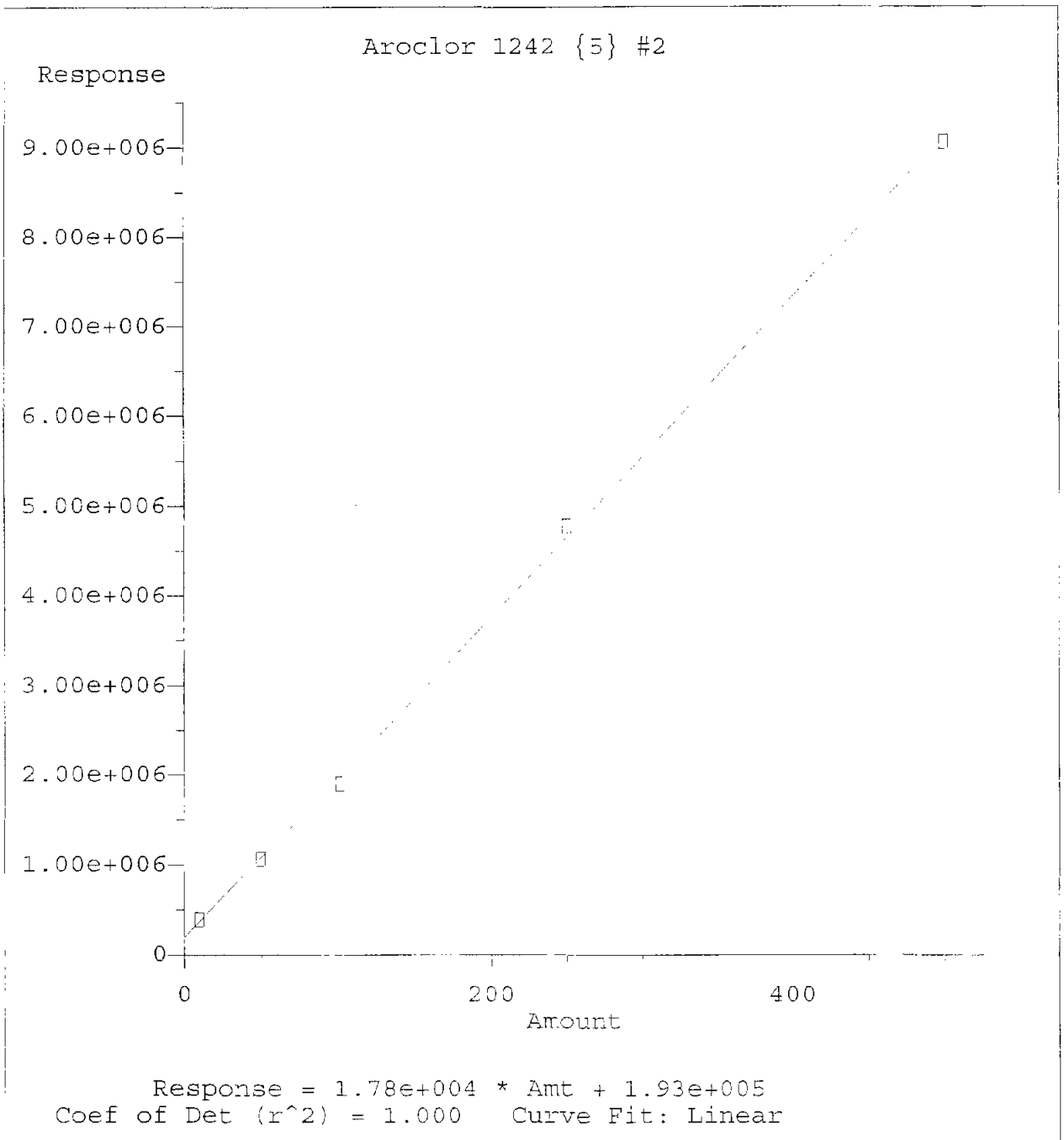
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

01202



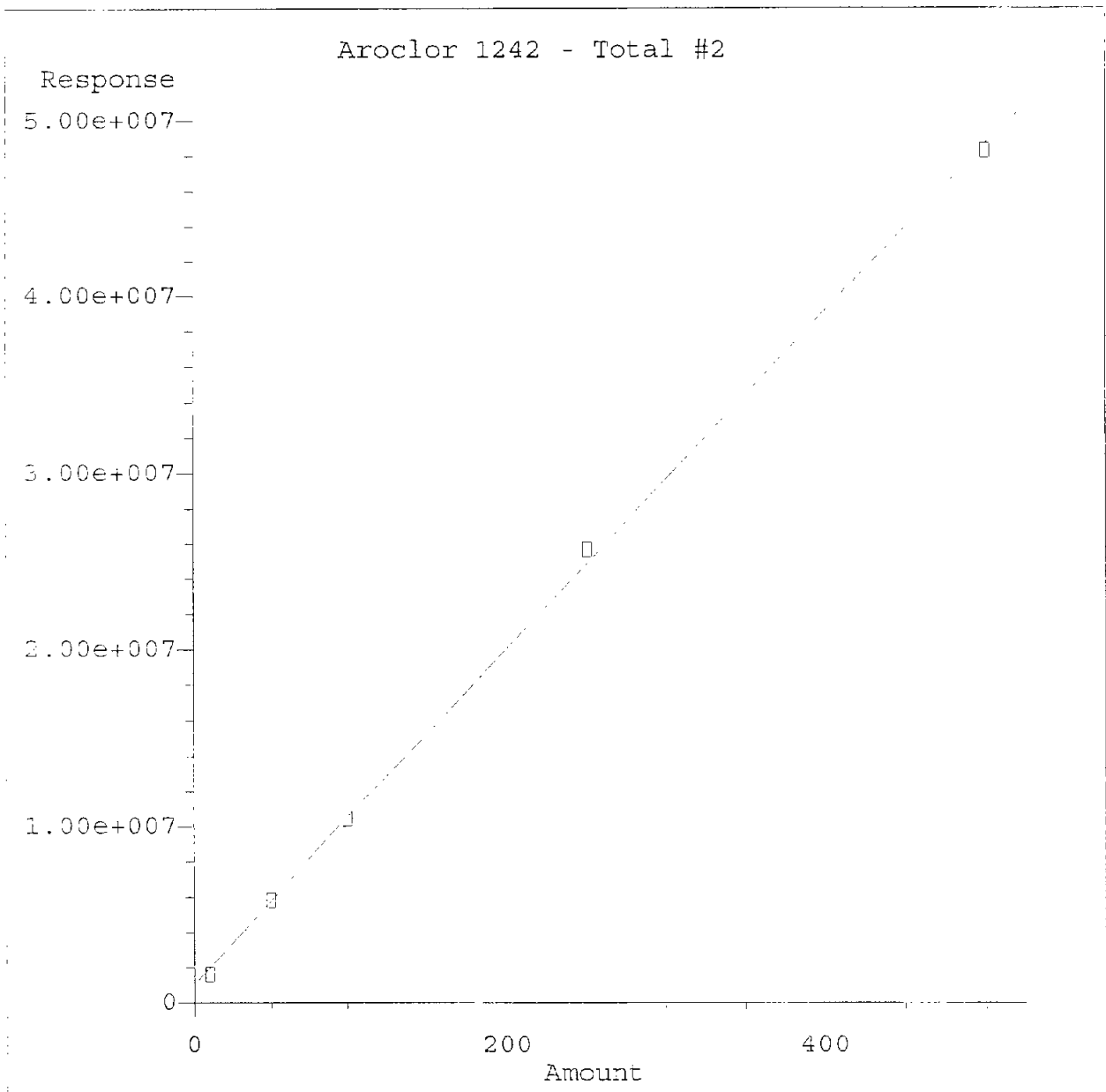
Response = 1.42e+004 * Amt + 2.14e+005
Coef of Det (r^2) = 1.000 Curve Fit: Linear

Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004



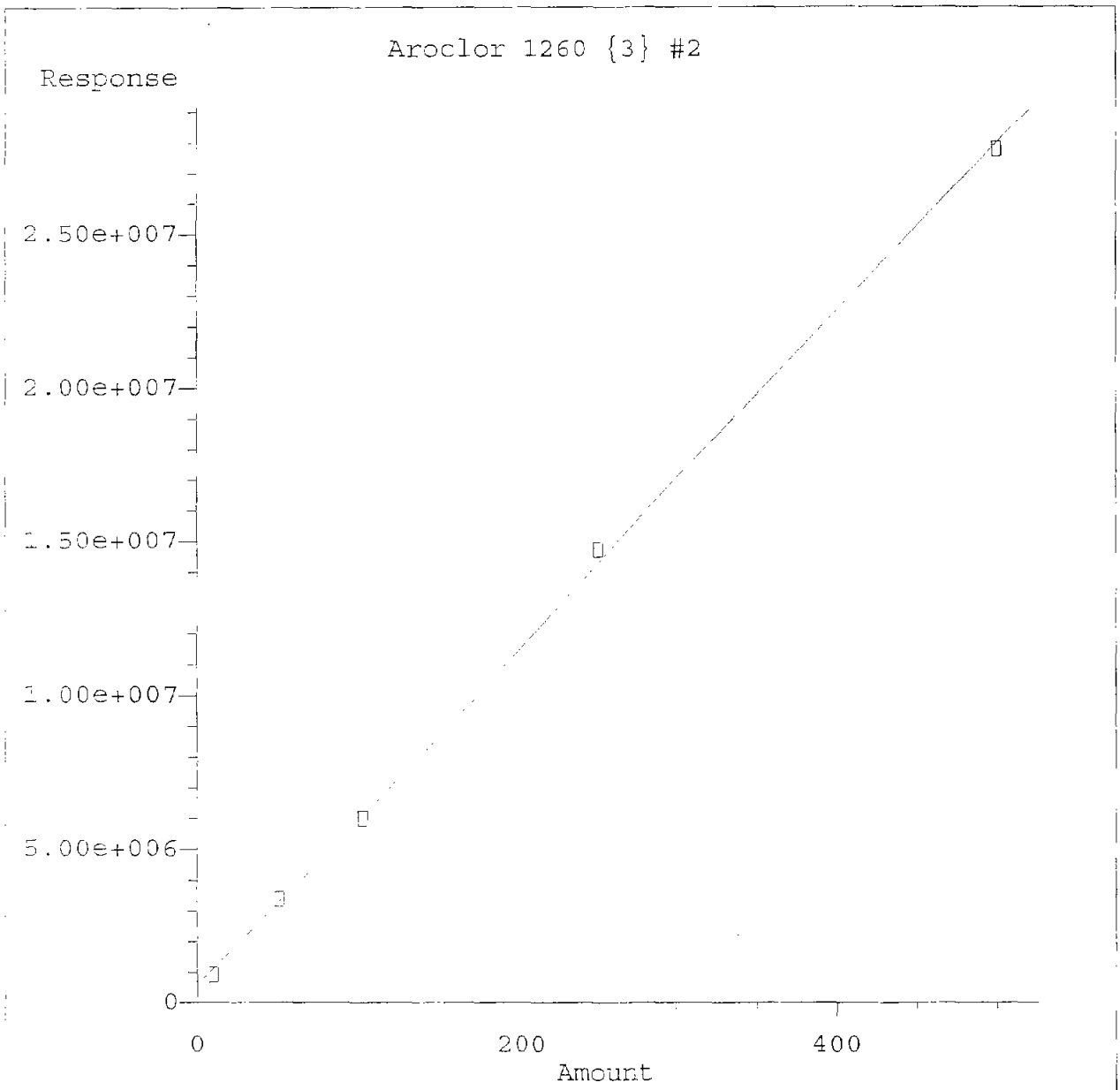
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

01204



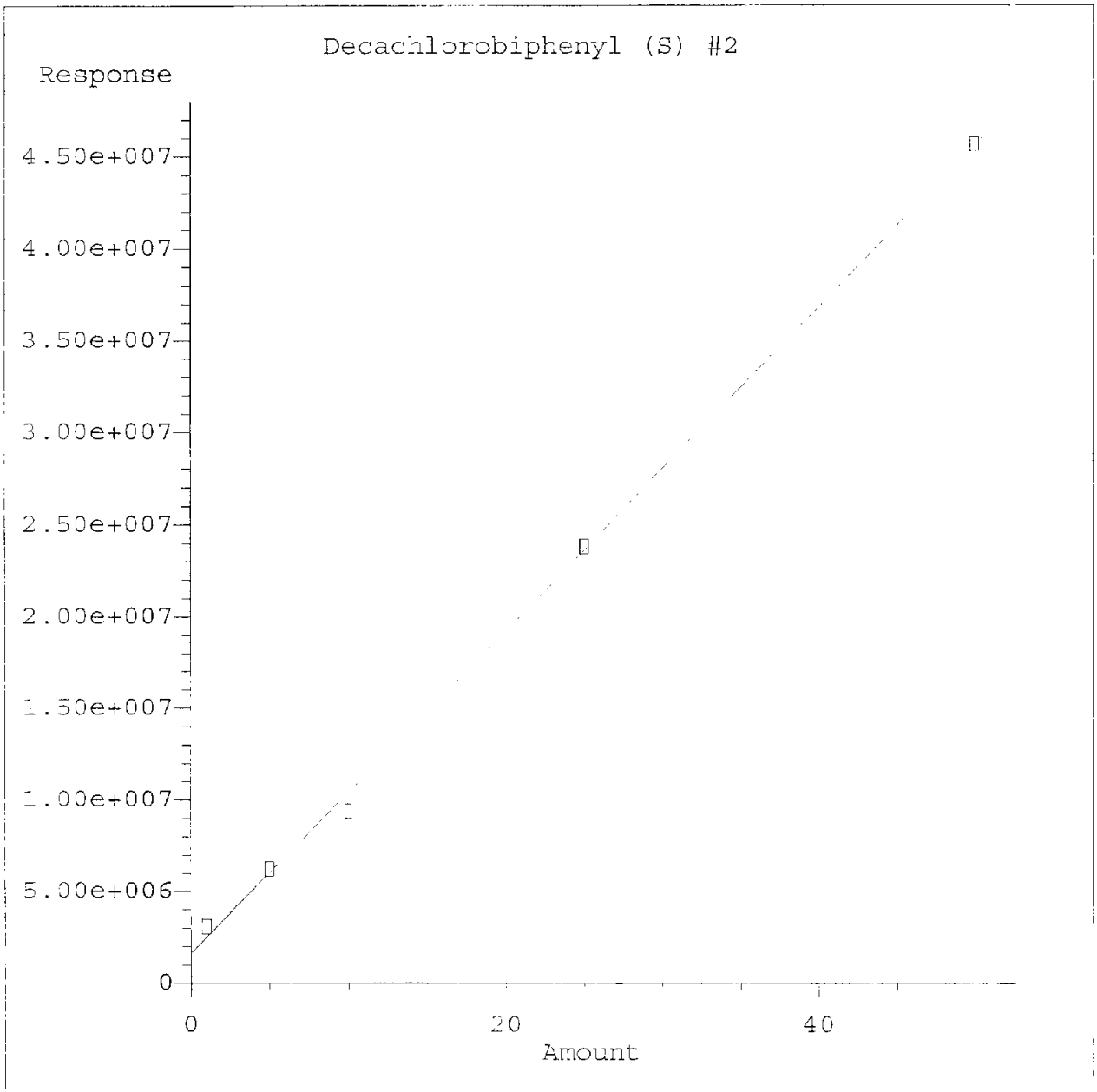
Response = 9.53e+004 * Amt + 1.02e+006
Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004



Response = 5.48e+004 * Amt + 5.78e+005
Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004



Response = 8.79e-005 * Amt + 1.63e+006
Coef of Det (r^2) = 0.999 Curve Fit: Linear

Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

01207

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2495.D\ADC1A.CH Vial: 1
Signal #2 : Z:\DATA\PB113004\PCB2495.D\ADC1B.CH
Acq On : 30 Nov 2004 4:23 pm Operator: STM
Sample : 10ng/ml 1242/1260 ical 561-157-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 01 10:39:43 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.41	5.63	2629529	1579374	1.080	1.145
Spiked Amount 20.000			Recovery	=	5.40%	5.73%
14) S Decachlorobiphen	14.31	15.85	6113172	3062545	2.064	1.632
Spiked Amount 20.000			Recovery	=	10.32%	8.16%
Target Compounds						
2) L3 Aroclor 1242	5.95	6.23	794033	297921	12.742	12.698
3) L3 Aroclor 1242 {2}	6.86	6.85	866918	216153	2.870	10.128 #
4) L3 Aroclor 1242 {3}	7.59	8.01	537509	389377	12.468	6.689 #
5) L3 Aroclor 1242 {4}	7.83	8.21	344184	328145	9.287	8.069
6) L3 Aroclor 1242 {5}	8.25	8.55	1447067	383718	6.638	10.728 #
7) L3 Aroclor 1242 - T	0.00	0.00	3989712	1615314	4.161m	6.247m#
8) L4 Aroclor 1260	9.28	10.69	991217	578685	9.706	11.628
9) L4 Aroclor 1260 {2}	9.53	11.20	1173215	981344	11.485	11.299
10) L4 Aroclor 1260 {3}	9.85	11.91	2088749	911429	10.662	6.077 #
11) L4 Aroclor 1260 {4}	11.12	12.93	1326201	1453951	11.045	10.608
12) L4 Aroclor 1260 {5}	11.55	13.50	4345157	778794	13.351	10.024
13) L4 Aroclor 1260 - T	0.00	0.00	9924538	4704202	11.735m	11.255m

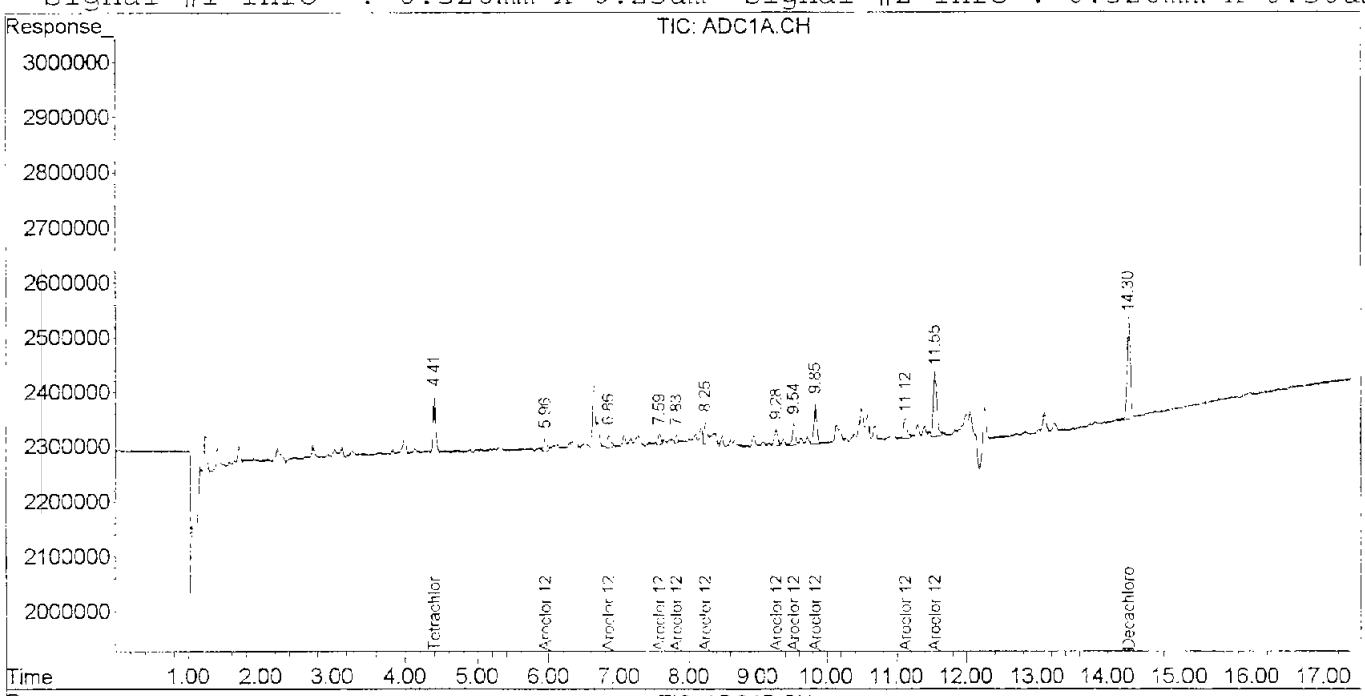
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

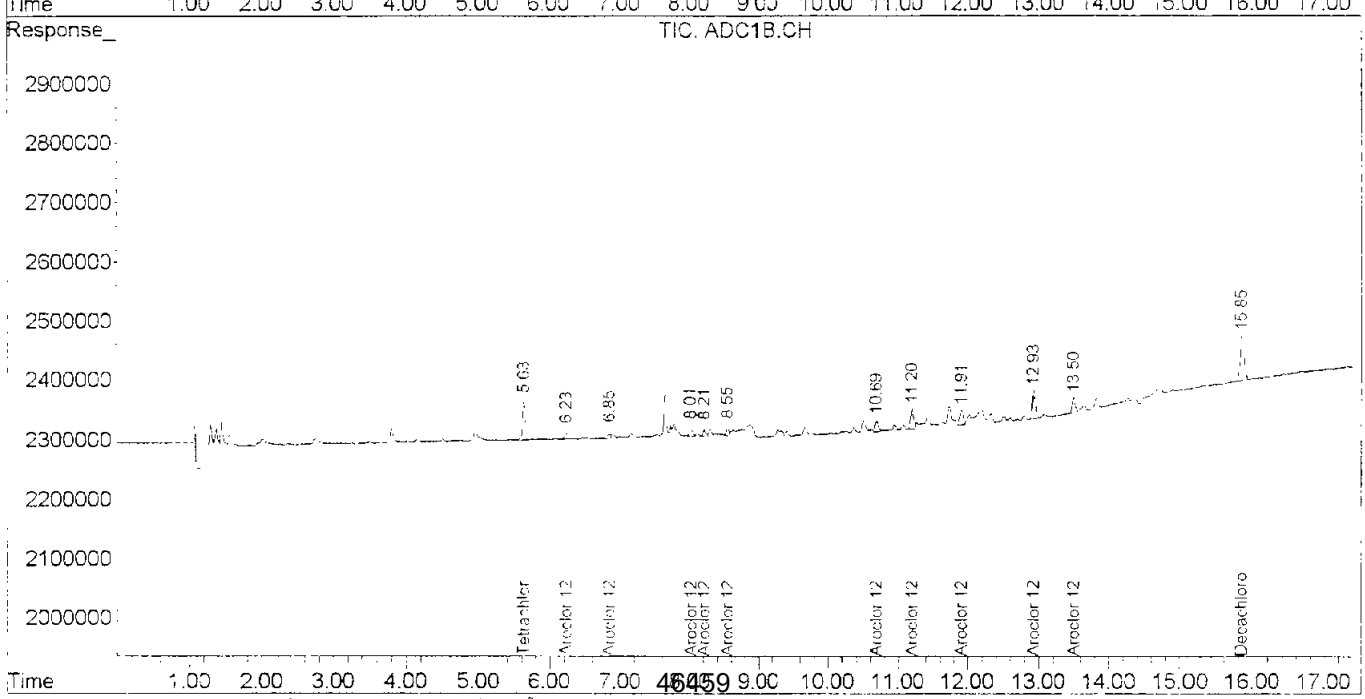
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2495.D\ADC1A.CH Vial: 1
Signal #2 : Z:\DATA\PB113004\PCB2495.D\ADC1B.CH
Acq On : 30 Nov 2004 4:23 pm Operator: STM
Sample : 10ng/ml 1242/1260 ical 561-157-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 10:39 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2496.D\ADC1A.CH Vial: 2
Signal #2 : Z:\DATA\PB113004\PCB2496.D\ADC1B.CH
Acq On : 30 Nov 2004 4:43 pm Operator: STM
Sample : 50ng/ml 1242/1260 ical 561-157-2 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 01 10:39:50 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.63	12541893	7379067	5.150	5.351
Spiked Amount 20.000			Recovery	=	25.75%	26.76%
14) S Decachlorobiphen	14.30	15.85	11937683	6226125	5.286	5.229
Spiked Amount 20.000			Recovery	=	26.43%	26.15%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.23	3404002	1213138	54.623	51.706
3) L3 Aroclor 1242 {2}	6.85	6.84	3663127	1173814	56.465	54.999
4) L3 Aroclor 1242 {3}	7.58	8.01	2392737	1457073	55.500	50.882
5) L3 Aroclor 1242 {4}	7.82	8.21	2064778	911678	55.710	49.193
6) L3 Aroclor 1242 {5}	8.24	8.54	4226049	1060780	50.011	48.717
7) L3 Aroclor 1242 - T	0.00	0.00	15750693	5816484	53.487m	50.341m
8) L4 Aroclor 1260	9.27	10.69	5649228	2652443	55.318	53.297
9) L4 Aroclor 1260 {2}	9.53	11.20	5413079	4696004	52.989	54.071
10) L4 Aroclor 1260 {3}	9.84	11.91	10271834	3379062	52.435	51.105
11) L4 Aroclor 1260 {4}	11.12	12.94	6275231	7320013	52.260	53.405
12) L4 Aroclor 1260 {5}	11.55	13.50	15708607	4150987	48.268	53.431
13) L4 Aroclor 1260 - T	0.00	0.00	43317979	22198509	51.222m	53.112m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PCB2496.D 42601130.M Wed Dec 01 11:43:55 2004 Page 1

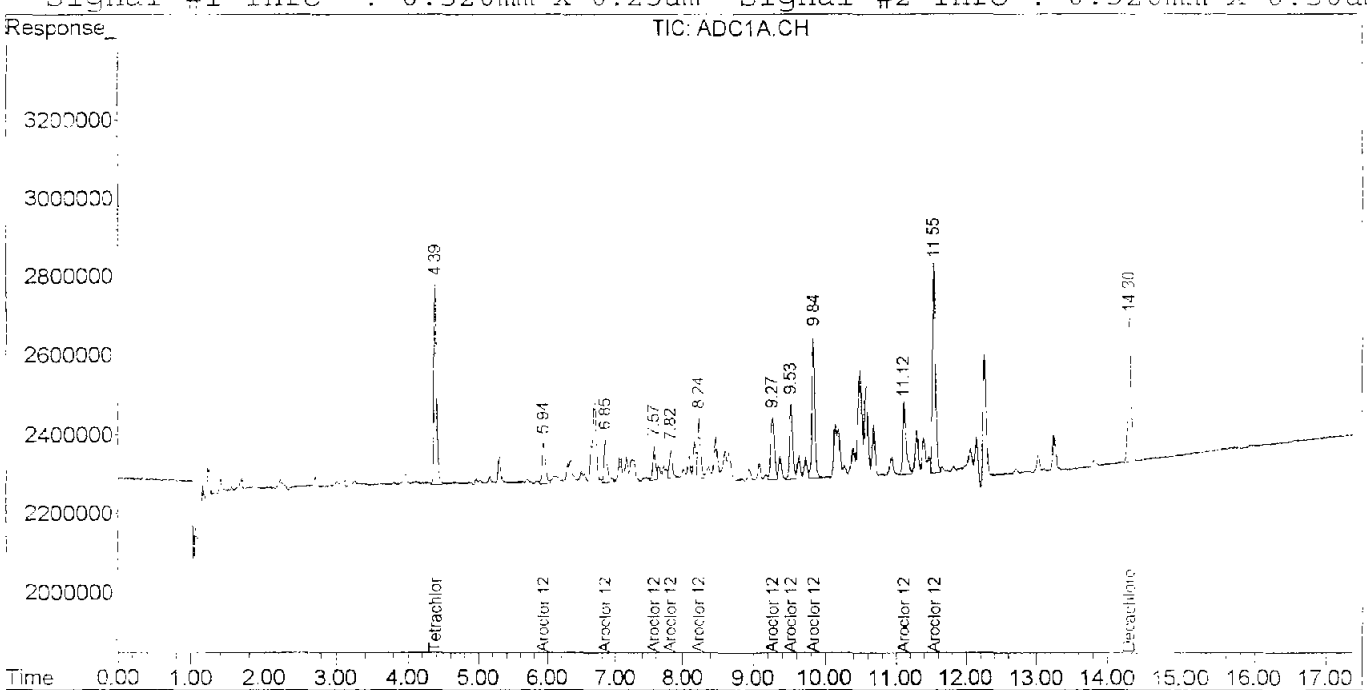
01210

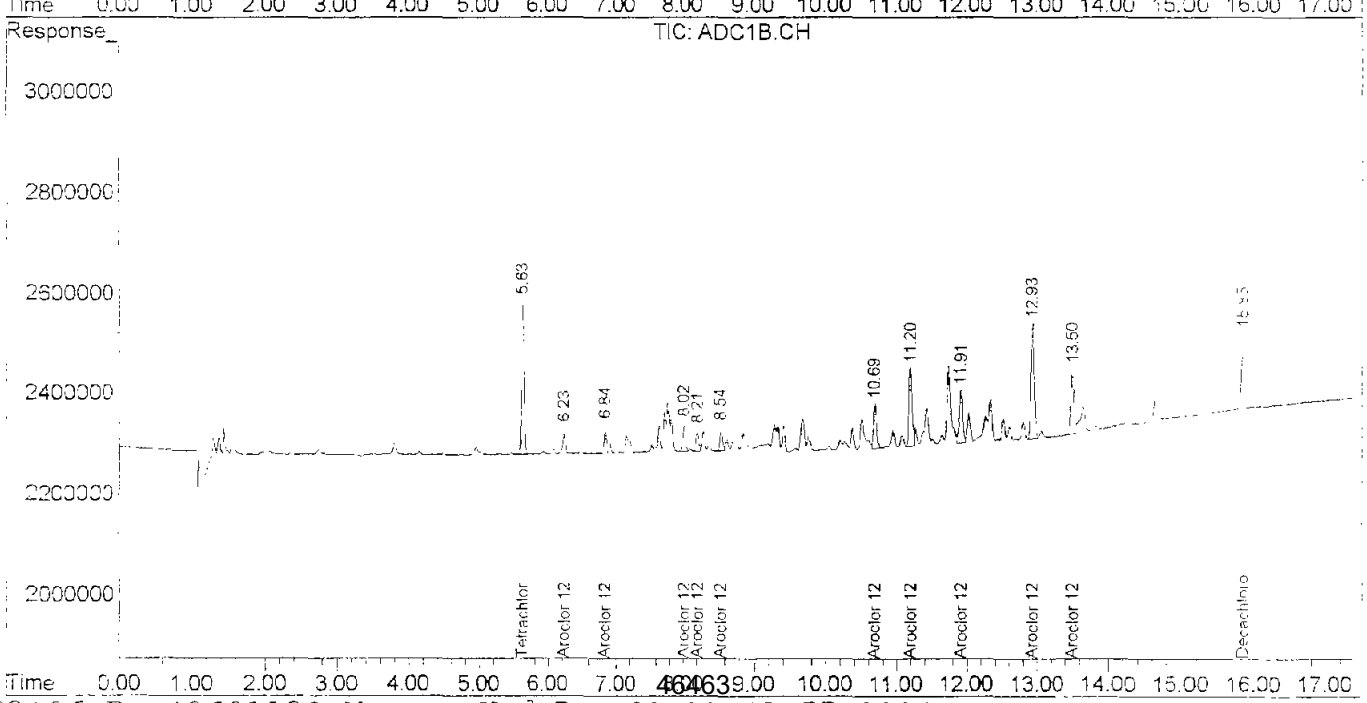
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2496.D\ADC1A.CH Vial: 2
Signal #2 : Z:\DATA\PB113004\PCB2496.D\ADC1B.CH
Acq On : 30 Nov 2004 4:43 pm Operator: STM
Sample : 50ng/ml 1242/1260 ical 561-157-2 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 10:39 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2497.D\ADC1A.CH Vial: 3
Signal #2 : Z:\DATA\PB113004\PCB2497.D\ADC1B.CH
Acq On : 30 Nov 2004 5:03 pm Operator: STM
Sample : 100ng/ml 1242/1260 ical 561-157-3 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 01 10:39:54 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.62	22449769	13046482	9.219	9.461
Spiked Amount 20.000			Recovery	=	46.09%	47.31%
14) S Decachlorobiphen	14.30	15.85	18408177	9381656	8.865	8.818
Spiked Amount 20.000			Recovery	=	44.33%	44.09%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.23	5632890	2188515	90.389	93.279
3) L3 Aroclor 1242 {2}	6.84	6.84	5774014	2124214	96.923	99.530
4) L3 Aroclor 1242 {3}	7.57	8.01	3951997	2592383	91.667	97.874
5) L3 Aroclor 1242 {4}	7.82	8.20	3675372	1615864	99.166	98.820
6) L3 Aroclor 1242 {5}	8.24	8.54	7245052	1905712	97.130	96.124
7) L3 Aroclor 1242 - T	0.00	0.00	26279326	10426688	97.644m	98.728m
8) L4 Aroclor 1260	9.27	10.69	10128365	4798902	99.178	96.426
9) L4 Aroclor 1260 {2}	9.52	11.19	9647029	8402072	94.435	96.743
10) L4 Aroclor 1260 {3}	9.84	11.91	18523476	5978201	94.557	98.533
11) L4 Aroclor 1260 {4}	11.11	12.93	11366989	13287675	94.664	96.943
12) L4 Aroclor 1260 {5}	11.55	13.50	28092913	7639734	86.322	98.337
13) L4 Aroclor 1260 - T	0.00	0.00	77758772	40106584	91.946m	95.958m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

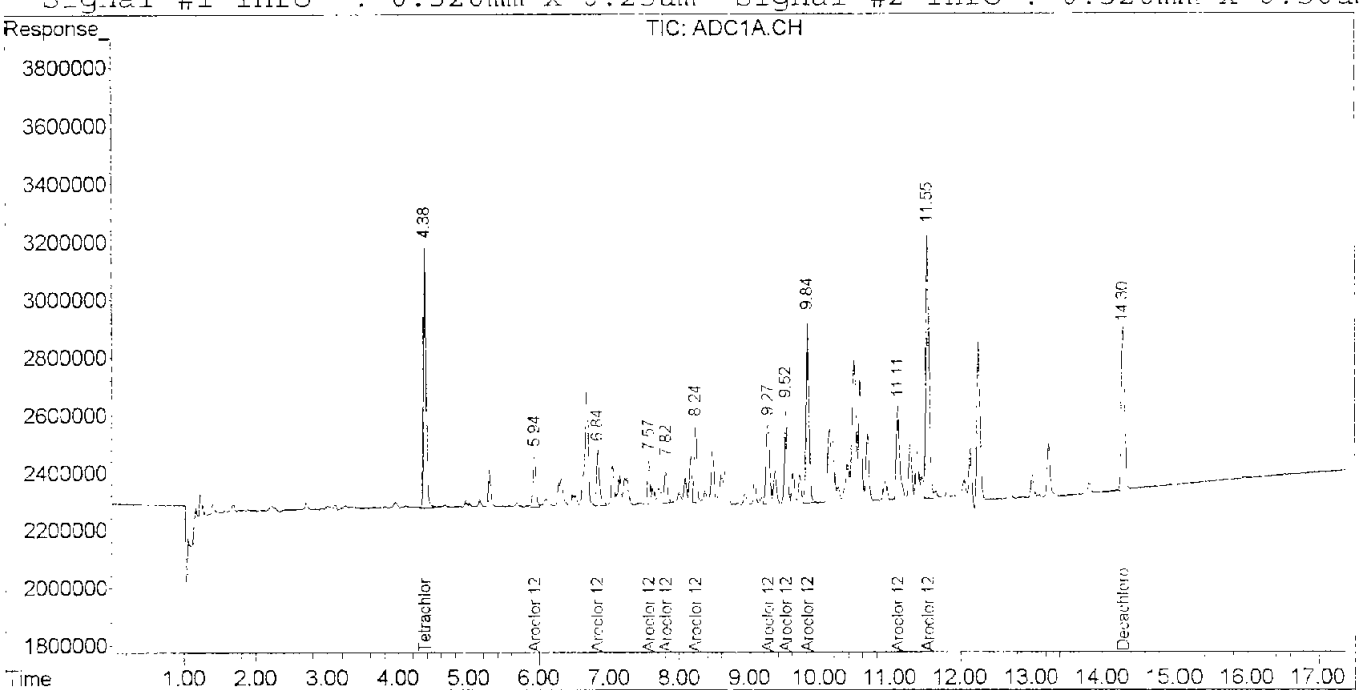
01212

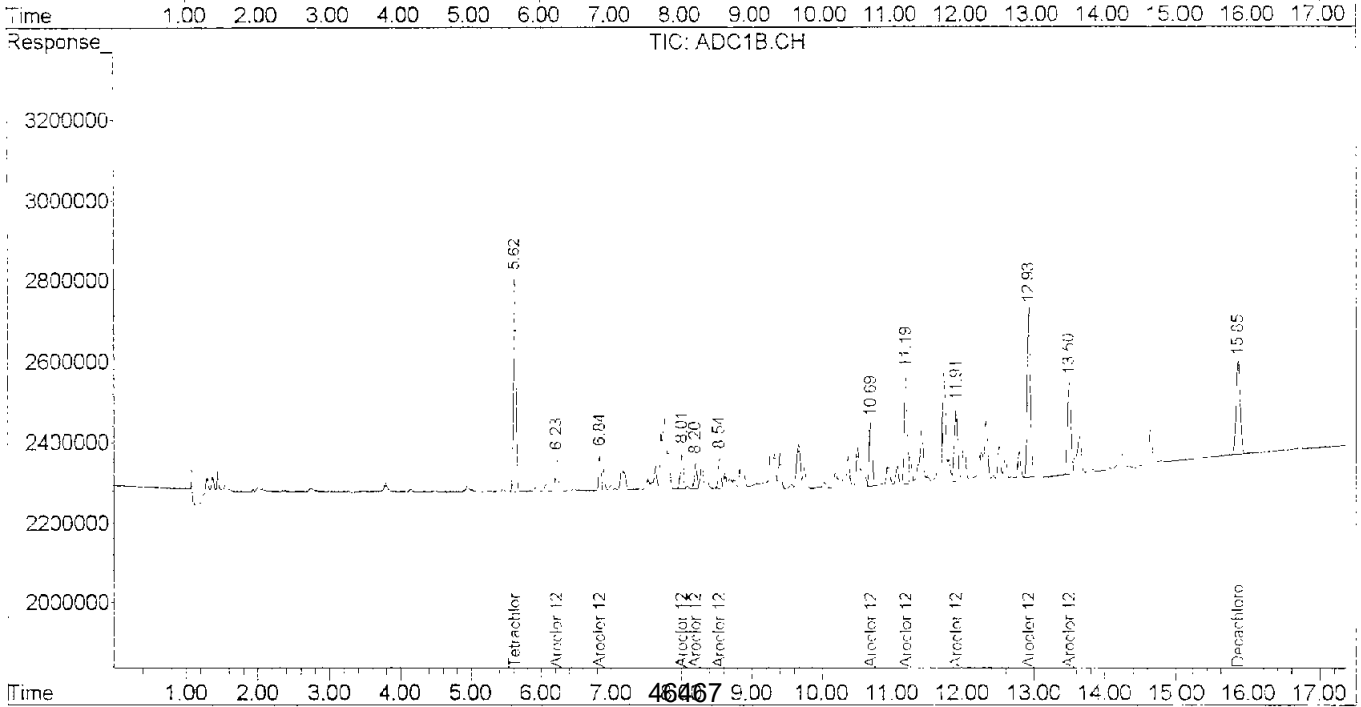
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2497.D\ADC1A.CH Vial: 3
Signal #2 : Z:\DATA\PB113004\PCB2497.D\ADC1B.CH
Acq On : 30 Nov 2004 5:03 pm Operator: STM
Sample : 100ng/ml 1242/1260 ical 561-157-3 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 10:39 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2498.D\ADC1A.CH Vial: 4
Signal #2 : Z:\DATA\PB113004\PCB2498.D\ADC1B.CH
Acq On : 30 Nov 2004 5:23 pm Operator: STM
Sample : 250ng/ml 1242/1260 ical 561-157-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 01 10:39:58 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.62	58589329	32316855	24.059	23.436
Spiked Amount 20.000			Recovery	=	120.30%	117.18%
14) S Decachlorobiphen	14.29	15.84	46163061	23821598	24.216	25.240
Spiked Amount 20.000			Recovery	=	121.08%	126.20%
Target Compounds						
2) L3 Aroclor 1242	5.93	6.22	13874920	5342864	222.647	227.723
3) L3 Aroclor 1242 {2}	6.84	6.83	14139378	5228123	257.260	244.964
4) L3 Aroclor 1242 {3}	7.57	8.00	9619245	6468282	223.119	258.303
5) L3 Aroclor 1242 {4}	7.81	8.20	9348932	3862183	252.246	257.127
6) L3 Aroclor 1242 {5}	8.23	8.53	17754812	4774454	261.162	257.083
7) L3 Aroclor 1242 - T	0.00	0.00	64737288	25675906	258.938m	258.777m
8) L4 Aroclor 1260	9.26	10.68	25127992	11625470	246.056	233.595
9) L4 Aroclor 1260 {2}	9.52	11.19	23974785	20329832	234.689	234.082
10) L4 Aroclor 1260 {3}	9.83	11.90	47287427	14719970	241.389	258.048
11) L4 Aroclor 1260 {4}	11.11	12.92	28776290	33156497	239.649	241.900
12) L4 Aroclor 1260 {5}	11.54	13.49	72973565	19369076	224.227	249.315
13) L4 Aroclor 1260 - T	0.00	0.00	198.1E6	99200845	234.292m	237.345m

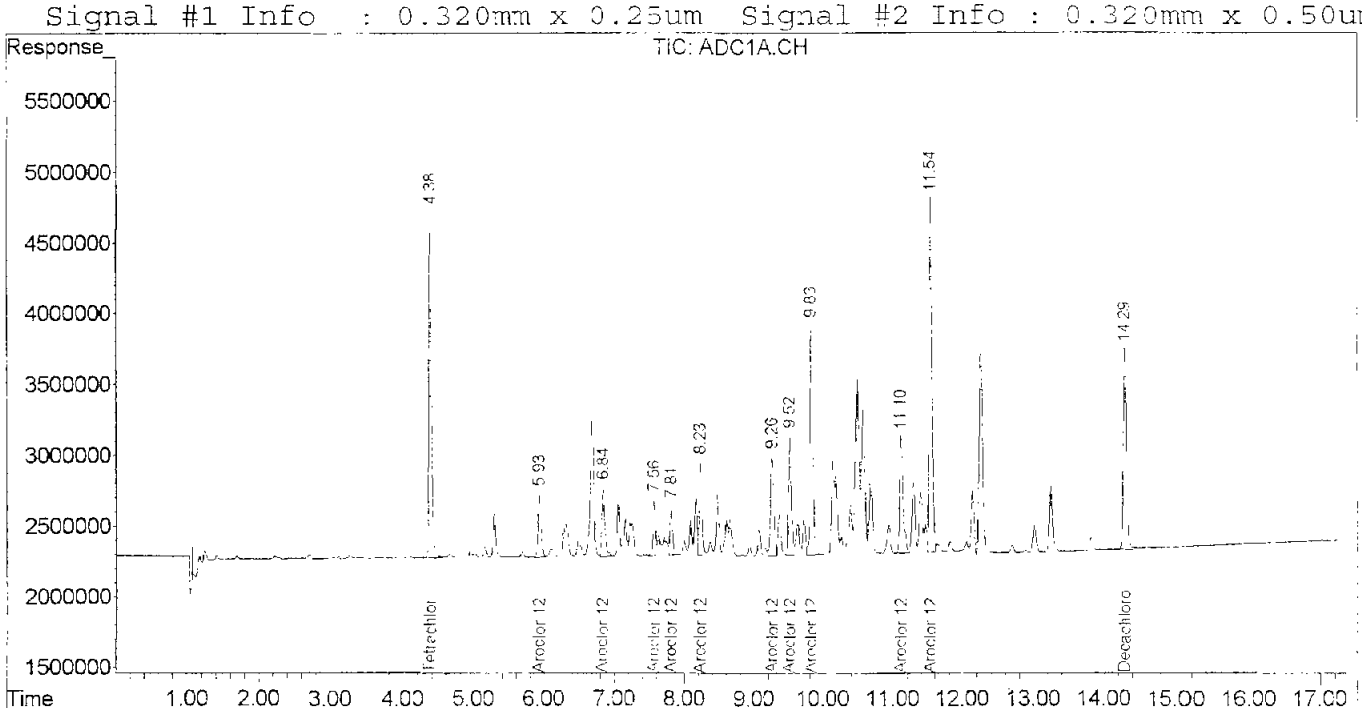
(E)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

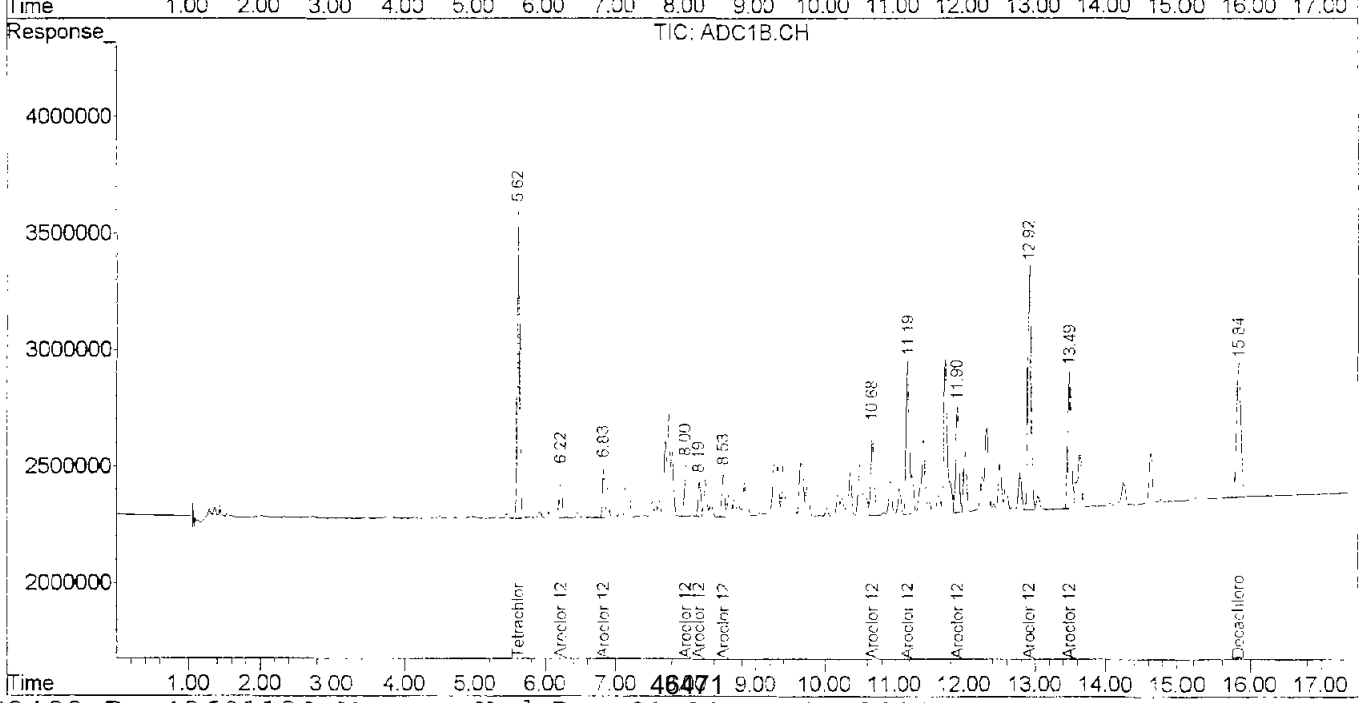
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2498.D\ADC1A.CH Vial: 4
Signal #2 : Z:\DATA\PB113004\PCB2498.D\ADC1B.CH
Acq On : 30 Nov 2004 5:23 pm Operator: STM
Sample : 250ng/ml 1242/1260 ical 561-157-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 10:39 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2499.D\ADC1A.CH Vial: 5
Signal #2 : Z:\DATA\PB113004\PCB2499.D\ADC1B.CH
Acq On : 30 Nov 2004 5:43 pm Operator: STM
Sample : 500ng/ml 1242/1260 ical 561-157-5 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 01 10:40:02 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

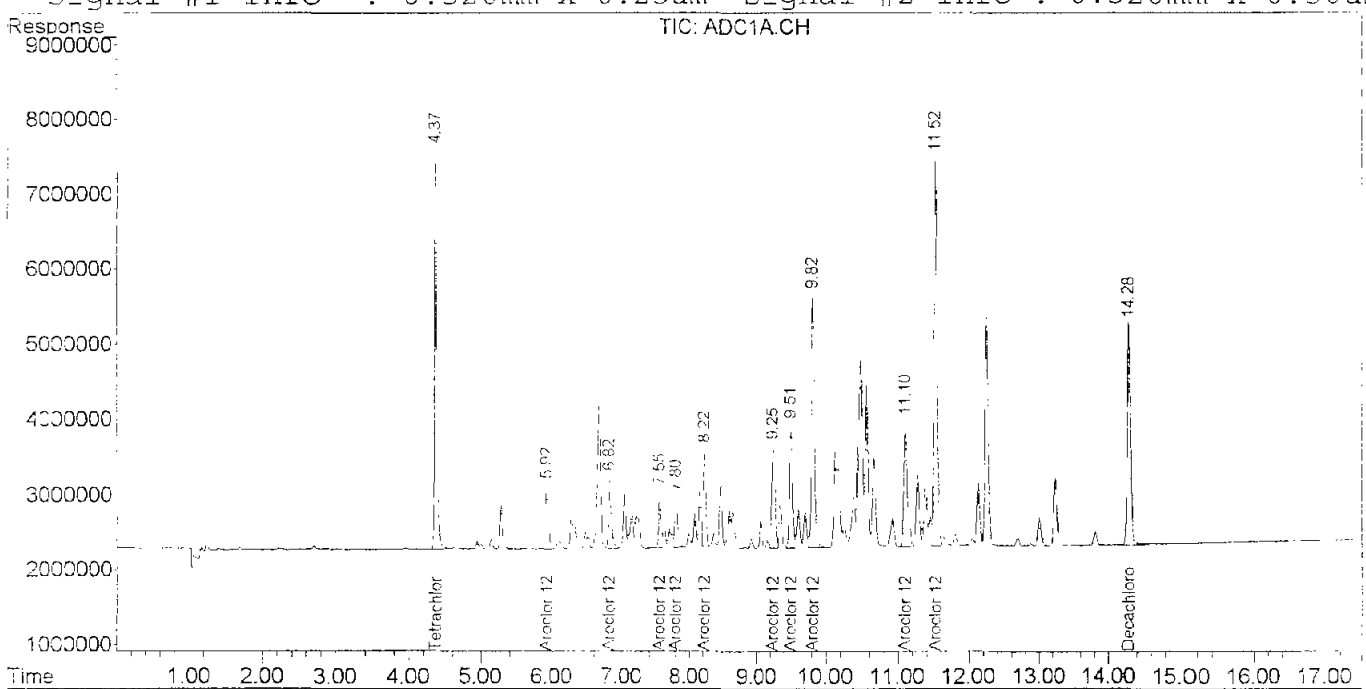
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.37	5.61	122.5E6	62111036	50.300	45.042
	Spiked Amount 20.000			Recovery	=	251.50%	225.21%
14)	S Decachlorobiphen	14.28	15.83	93807347	45663839	50.569	50.081
	Spiked Amount 20.000			Recovery	=	252.85%	250.41%
	Target Compounds						
2)	L3 Aroclor 1242	5.92	6.21	26139174	9999585	419.448	426.201
3)	L3 Aroclor 1242 {2}	6.83	6.82	26620456	9733009	496.481	456.040
4)	L3 Aroclor 1242 {3}	7.55	8.00	17980448	12217054	417.057	496.252
5)	L3 Aroclor 1242 {4}	7.80	8.18	17725264	7262927	478.250	496.792
6)	L3 Aroclor 1242 {5}	8.22	8.52	32740883	9056635	495.059	497.347
7)	L3 Aroclor 1242 - T	0.00	0.00	121.2E6	48269210	495.770m	495.907m
8)	L4 Aroclor 1260	9.25	10.67	48357158	21715082	473.518	436.329
9)	L4 Aroclor 1260 {2}	9.51	11.18	46412513	38425551	454.332	442.440
10)	L4 Aroclor 1260 {3}	9.82	11.89	95395770	27773191	486.968	496.237
11)	L4 Aroclor 1260 {4}	11.10	12.91	56742635	64018908	472.552	467.062
12)	L4 Aroclor 1260 {5}	11.53	13.48	152.9E6	36836727	469.684	474.155
13)	L4 Aroclor 1260 - T	0.00	0.00	399.8E6	188.8E6	472.703m	451.645m

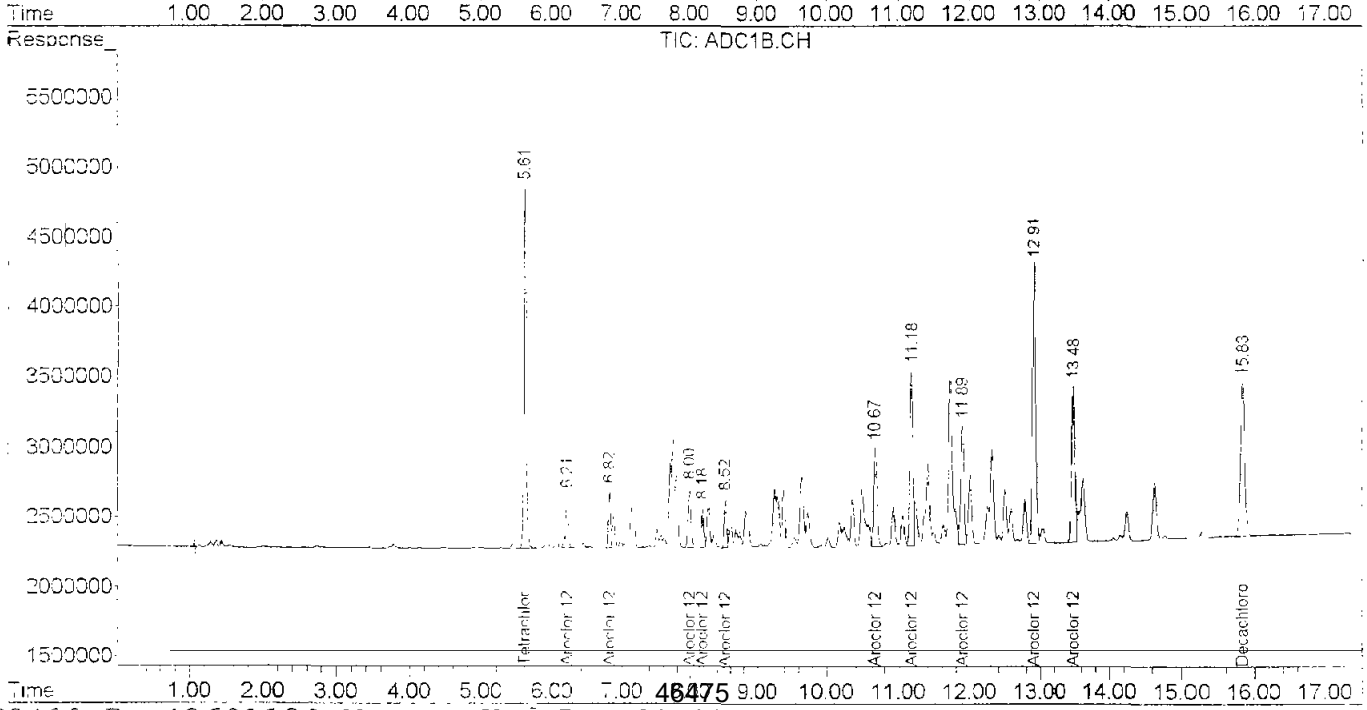
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2499.D\ADC1A.CH Vial: 5
Signal #2 : Z:\DATA\PB113004\PCB2499.D\ADC1B.CH
Acq On : 30 Nov 2004 5:43 pm Operator: STM
Sample : 500ng/ml 1242/1260 ical 561-157-5 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 10:40 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2500.D\ADC1A.CH Vial: 6
Signal #2 : Z:\DATA\PB113004\PCB2500.D\ADC1B.CH
Acq On : 30 Nov 2004 6:03 pm Operator: STM
Sample : 100ng/ml 1242/1260 icv 561-157-6 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 01 10:40:08 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.62	22645856	13060678	9.299	9.471
Spiked Amount 20.000			Recovery	=	46.49%	47.36%
14) S Decachlorobiphen	14.29	15.84	19291408	9945573	9.353	9.459
Spiked Amount 20.000			Recovery	=	46.77%	47.30%
Target Compounds						
2) L3 Aroclor 1242	5.93	6.22	5628129	2119849	90.313	90.352
3) L3 Aroclor 1242 {2}	6.84	6.84	5705986	2060094	95.620	96.526
4) L3 Aroclor 1242 {3}	7.57	8.01	3991762	2557394	92.589	96.426
5) L3 Aroclor 1242 {4}	7.81	8.20	3742615	1668809	100.980	102.551
6) L3 Aroclor 1242 {5}	8.23	8.54	7526210	1941043	101.518	98.107
7) L3 Aroclor 1242 - T	0.00	0.00	26594702	10347189	98.967m	97.893m
8) L4 Aroclor 1260	9.26	10.68	11043025	5218734	108.134	104.862
9) L4 Aroclor 1260 {2}	9.52	11.19	10612373	9079628	103.884	104.545
10) L4 Aroclor 1260 {3}	9.83	11.90	20101162	6662009	102.611	111.011
11) L4 Aroclor 1260 {4}	11.11	12.93	12649043	14717997	105.341	107.378
12) L4 Aroclor 1260 {5}	11.54	13.49	31349396	8421923	96.328	108.405
13) L4 Aroclor 1260 - T	0.00	0.00	85754998	44100291	101.401m	105.513m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2500.D\ADC1A.CH Vial: 6
Signal #2 : Z:\DATA\PB113004\PCB2500.D\ADC1B.CH
Acq On : 30 Nov 2004 6:03 pm Operator: STM
Sample : 100ng/ml 1242/1260 icv 561-157-6 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene (S)	10.000	9.299	7.0	0	0.00
2	L1	Aroclor 1242	100.000	90.313	9.7	0	0.00
3	L1	Aroclor 1242 {2}	100.000	95.620	4.4	0	0.00
4	L1	Aroclor 1242 {3}	100.000	92.589	7.4	0	0.00
5	L1	Aroclor 1242 {4}	100.000	100.980	-1.0	0	0.00
6	L1	Aroclor 1242 {5}	100.000	101.518	-1.5	0	0.00
7	L1	Aroclor 1242 - Total	100.000	98.967	1.0	0	-0.61#
8	L2	Aroclor 1260	100.000	108.134	-8.1	0	0.00
9	L2	Aroclor 1260 {2}	100.000	103.884	-3.9	0	0.00
10	L2	Aroclor 1260 {3}	100.000	102.611	-2.6	0	0.00
11	L2	Aroclor 1260 {4}	100.000	105.341	-5.3	0	0.00
12	L2	Aroclor 1260 {5}	100.000	96.328	3.7	0	0.00
13	L2	Aroclor 1260 - Total	100.000	101.401	-1.4	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.353	6.5	0	0.00

Signal #2

1	S	Tetrachloro-m-xylene (S)	10.000	9.471	5.3	0	0.00
2	L3	Aroclor 1242	100.000	90.352	9.6	0	0.00
3	L3	Aroclor 1242 {2}	100.000	96.526	3.5	0	0.00
4	L3	Aroclor 1242 {3}	100.000	96.426	3.6	0	0.00
5	L3	Aroclor 1242 {4}	100.000	102.551	-2.6	0	0.00
6	L3	Aroclor 1242 {5}	100.000	98.107	1.9	0	0.00
7	L3	Aroclor 1242 - Total	100.000	97.893	2.1	0	-0.61#
8	L4	Aroclor 1260	100.000	104.862	-4.9	0	0.00
9	L4	Aroclor 1260 {2}	100.000	104.545	-4.5	0	0.00
10	L4	Aroclor 1260 {3}	100.000	111.011	-11.0	0	0.00
11	L4	Aroclor 1260 {4}	100.000	107.378	-7.4	0	0.00
12	L4	Aroclor 1260 {5}	100.000	108.405	-8.4	0	0.00
13	L4	Aroclor 1260 - Total	100.000	105.513	-5.5	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.459	5.4	0	-0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0
46479
PCB2500.D 42601130.M Wed Dec 01 11:44:44 2004 Page 1

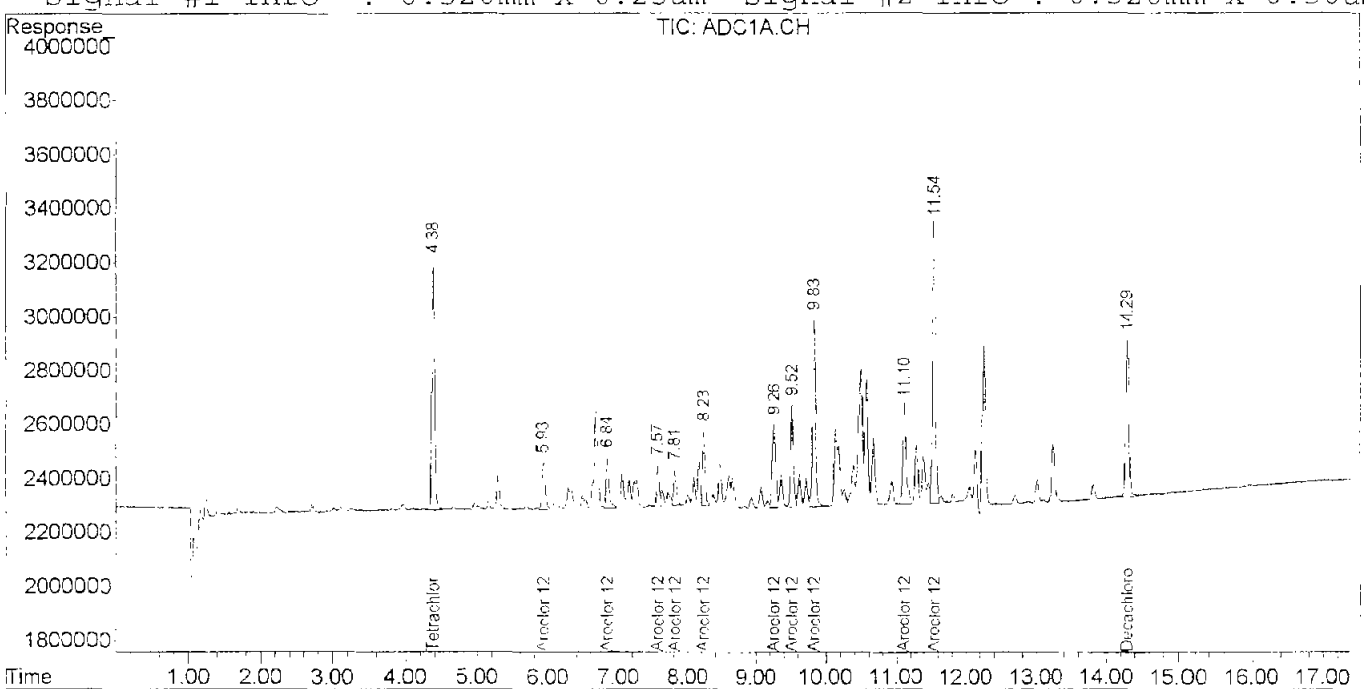
01219

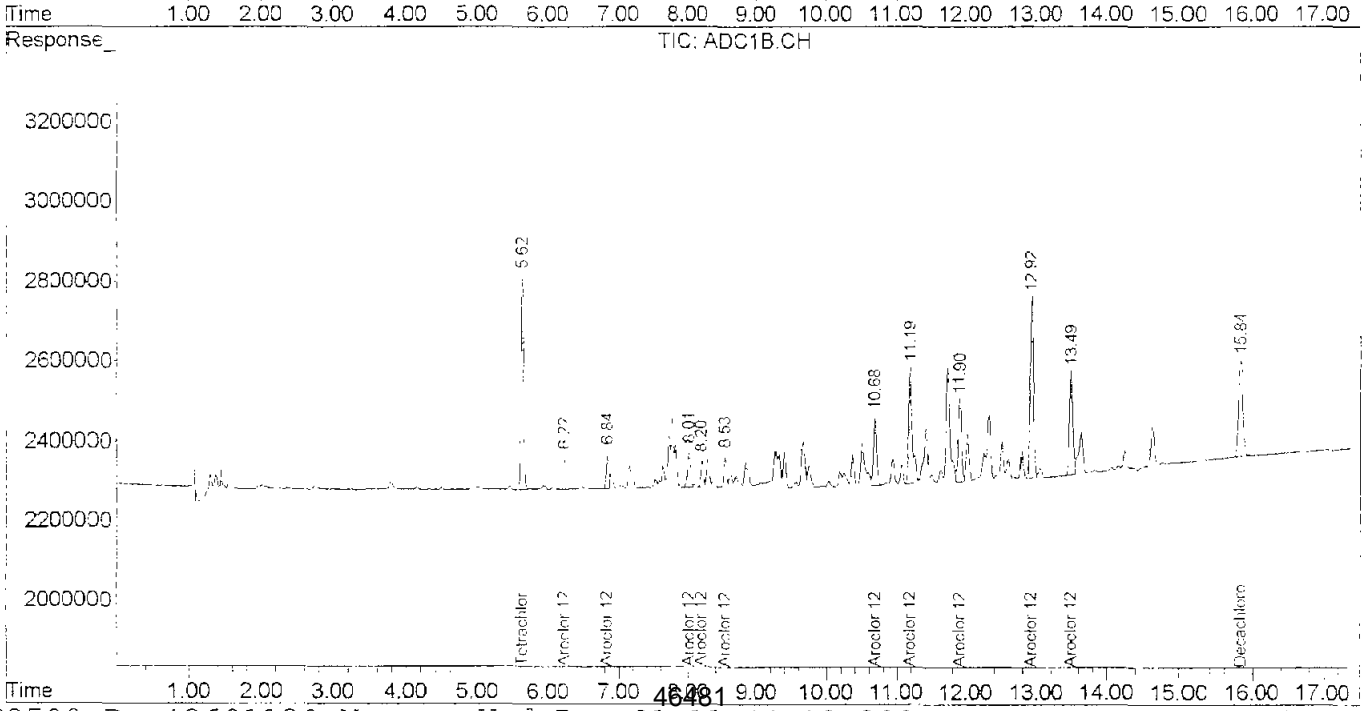
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2500.D\ADC1A.CH Vial: 6
Signal #2 : Z:\DATA\PB113004\PCB2500.D\ADC1B.CH
Acq On : 30 Nov 2004 6:03 pm Operator: STM
Sample : 100ng/ml 1242/1260 icv 561-157-6 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 10:40 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5uL
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2509.D\ADC1A.CH Vial: 15
Signal #2 : Z:\DATA\PB113004\PCB2509.D\ADC1B.CH
Acq On : 30 Nov 2004 9:03 pm Operator: STM
Sample : 100ng/ml 1016 ical 561-159-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 01 12:00:03 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 11:19:48 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.62	21979512	12656111	9.026	9.178
Spiked Amount 20.000			Recovery	=	45.13%	45.89%
14) S Decachlorobiphen	14.30	15.85	18474188	9626886	8.901	9.097
Spiked Amount 20.000			Recovery	=	44.51%	45.48%
Target Compounds						
2) L3 Aroclor 1242	5.93	6.22	6249727	2280771	100.288	97.211
3) L3 Aroclor 1242 {2}	6.84	6.84	6265062	2318222	106.335	108.620
4) L3 Aroclor 1242 {3}	7.57	8.01	4533368	2955350	105.152	112.898
5) L3 Aroclor 1242 {4}	7.81	8.20	4337957	1764173	117.043	109.272
6) L3 Aroclor 1242 {5}	8.24	8.54	1896115	2205151	13.646	112.925 #
7) L3 Aroclor 1242 - T	0.00	0.00	23282229	11523667	85.074m	110.241m
8) L4 Aroclor 1260	9.28	10.69	232581	63985	2.277	1.286 #
9) L4 Aroclor 1260 {2}	9.53	11.20	71084	123288	0.696	1.420 #
10) L4 Aroclor 1260 {3}	9.83	11.91	269042	381222	1.373	N.D. #
11) L4 Aroclor 1260 {4}	11.10	0.00	402714	0	3.354	N.D. #
12) L4 Aroclor 1260 {5}	11.55	13.51	817680	708920	2.513	9.125 #
13) L4 Aroclor 1260 - T	0.00	0.00	1793101	1277415	2.120m	3.056m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PCB2509.D 42601130.M Wed Dec 01 12:00:04 2004 Page 1

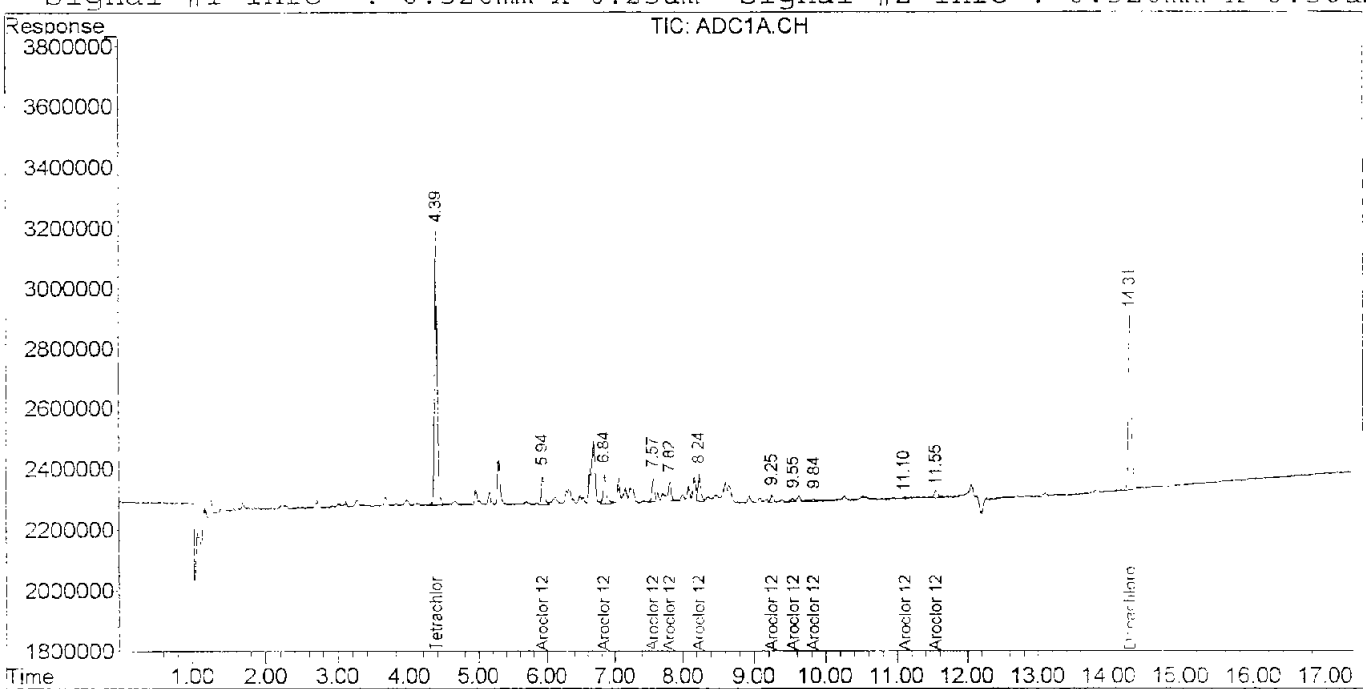
01221

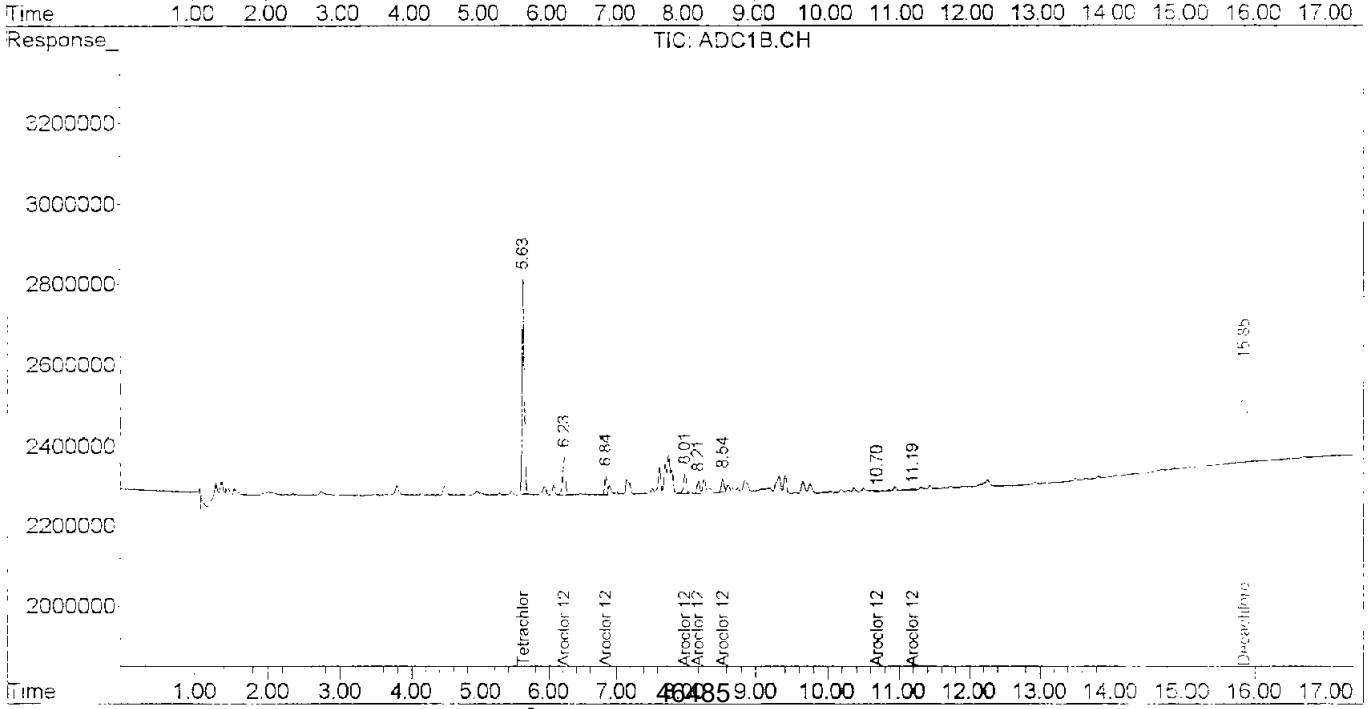
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2510.D\ADC1A.CH Vial: 16
Signal #2 : Z:\DATA\PB113004\PCB2510.D\ADC1B.CH
Acq On : 30 Nov 2004 9:23 pm Operator: STM
Sample : 100ng/ml 1232 ical 561-159-2 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 12:00 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 11:19:48 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





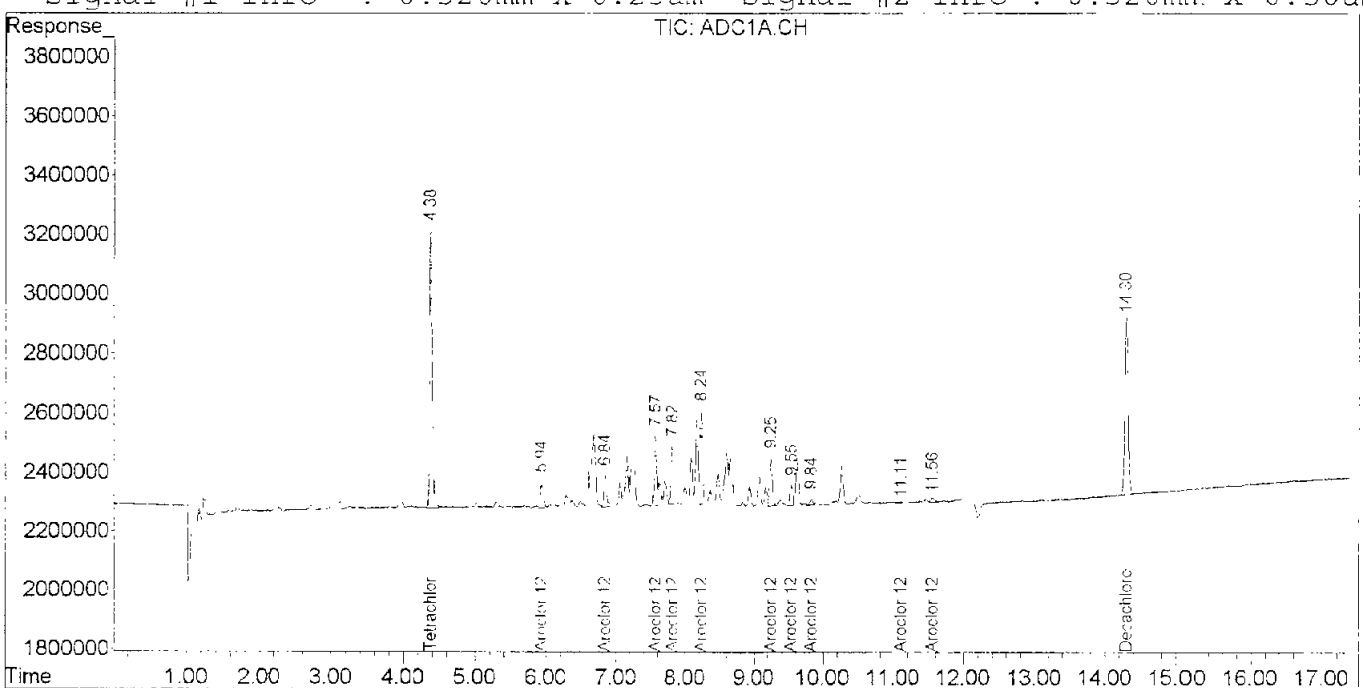
01222

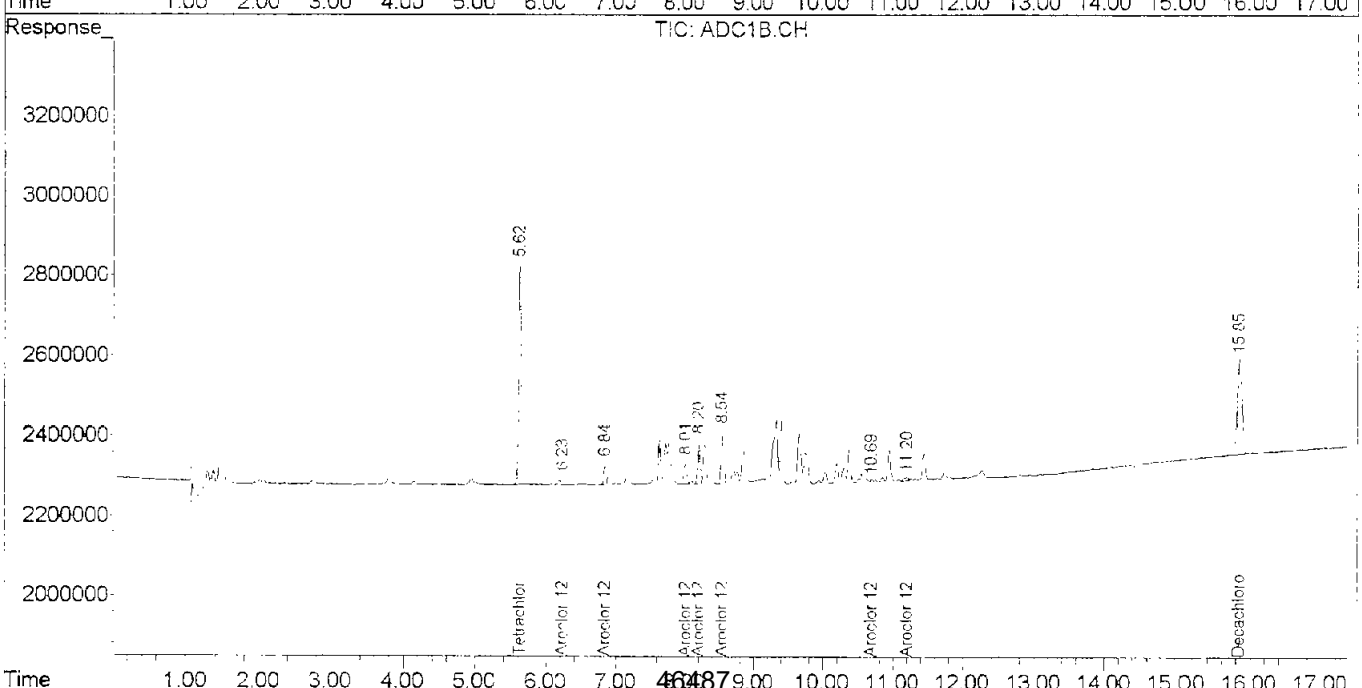
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2511.D\ADC1A.CH Vial: 17
Signal #2 : Z:\DATA\PB113004\PCB2511.D\ADC1B.CH
Acq On : 30 Nov 2004 9:43 pm Operator: STM
Sample : 100ng/ml 1248 ical 561-159-3 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 12:00 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 11:19:48 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





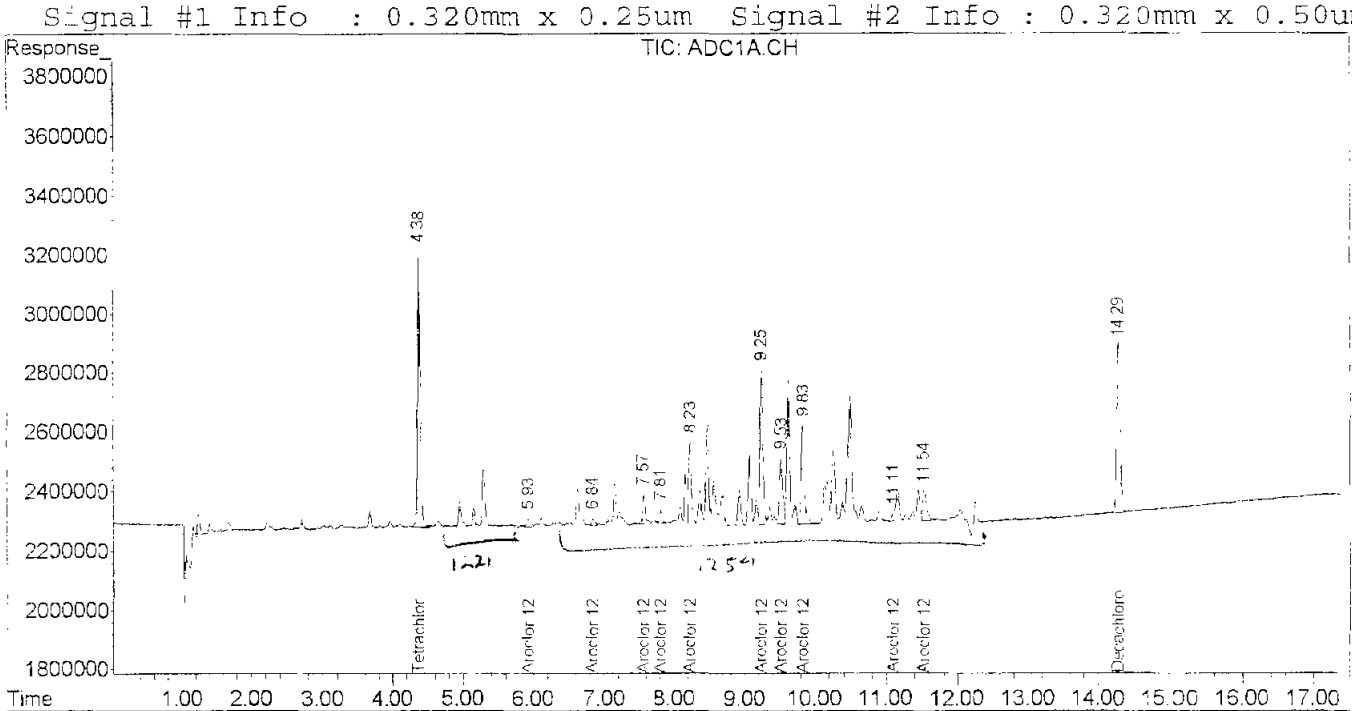
46487
01223

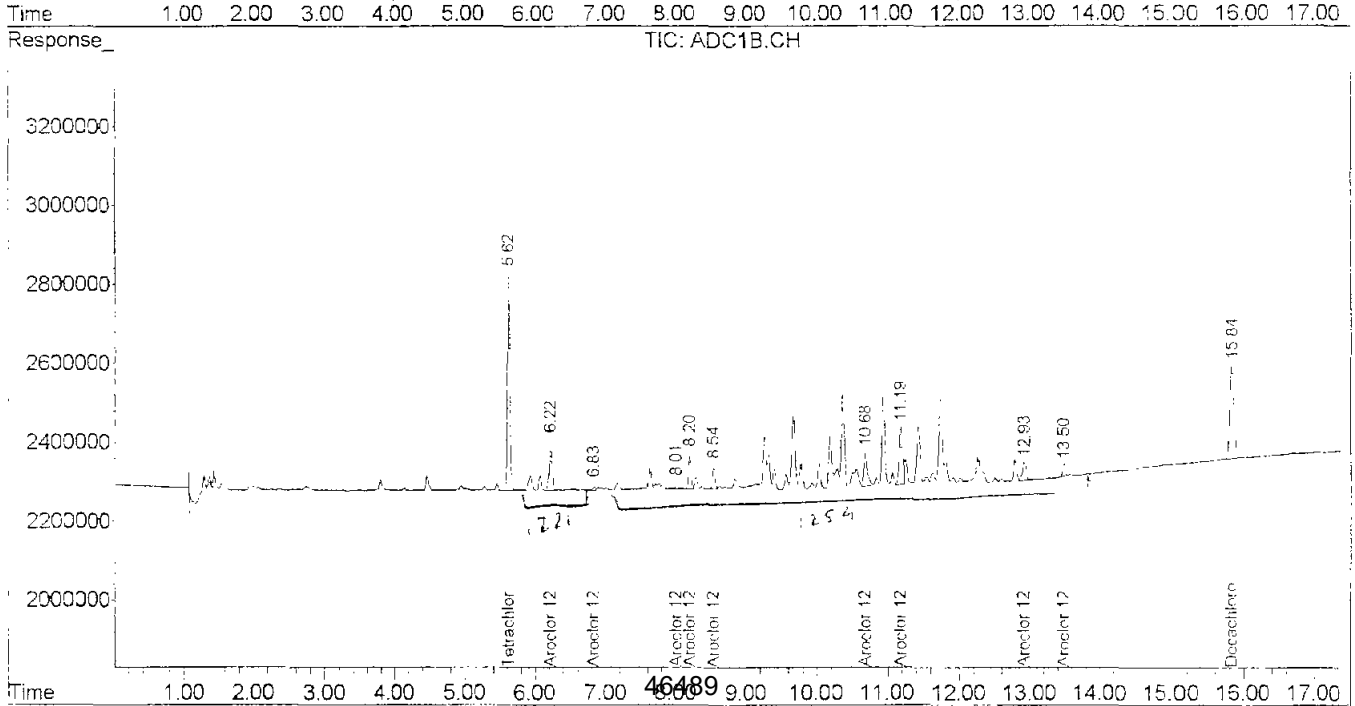
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2504.D\ADC1A.CH Vial: 10
Signal #2 : Z:\DATA\PB113004\PCB2504.D\ADC1B.CH
Acq On : 30 Nov 2004 7:23 pm Operator: STM
Sample : 100ng/ml 1221/1254 ical 561-157-9 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 12:00 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 11:19:48 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um



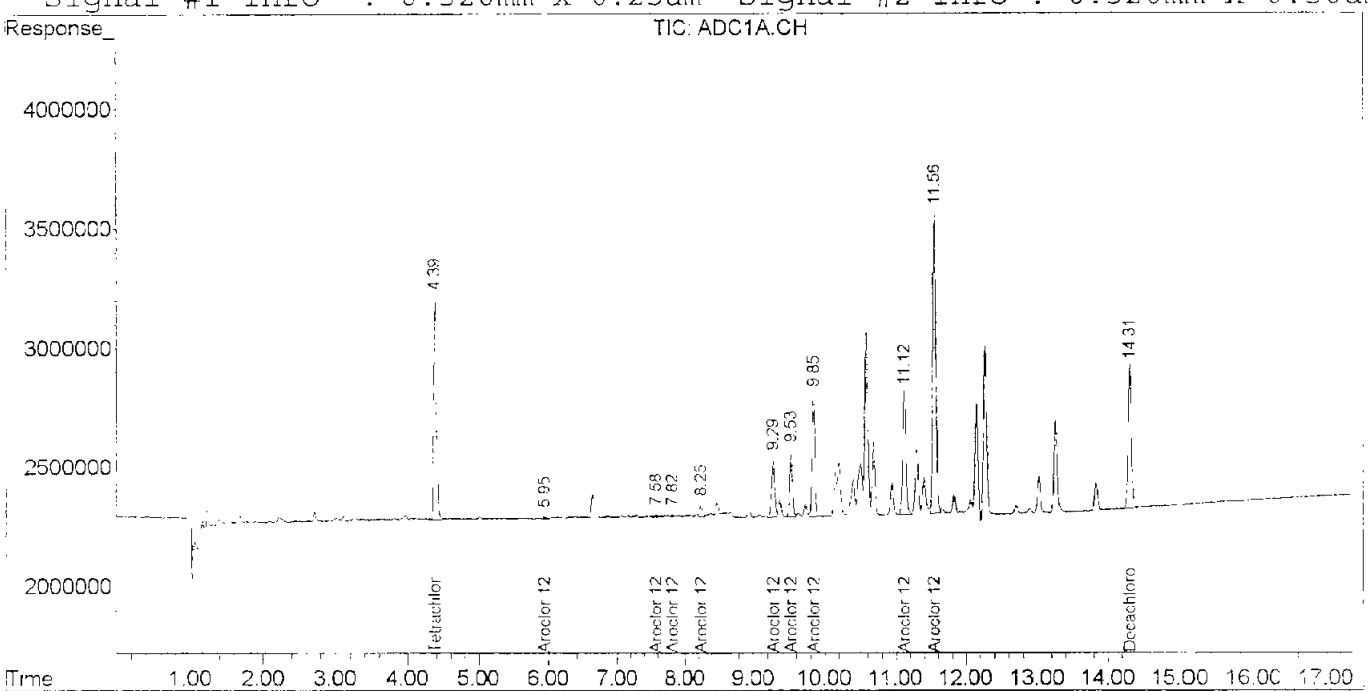


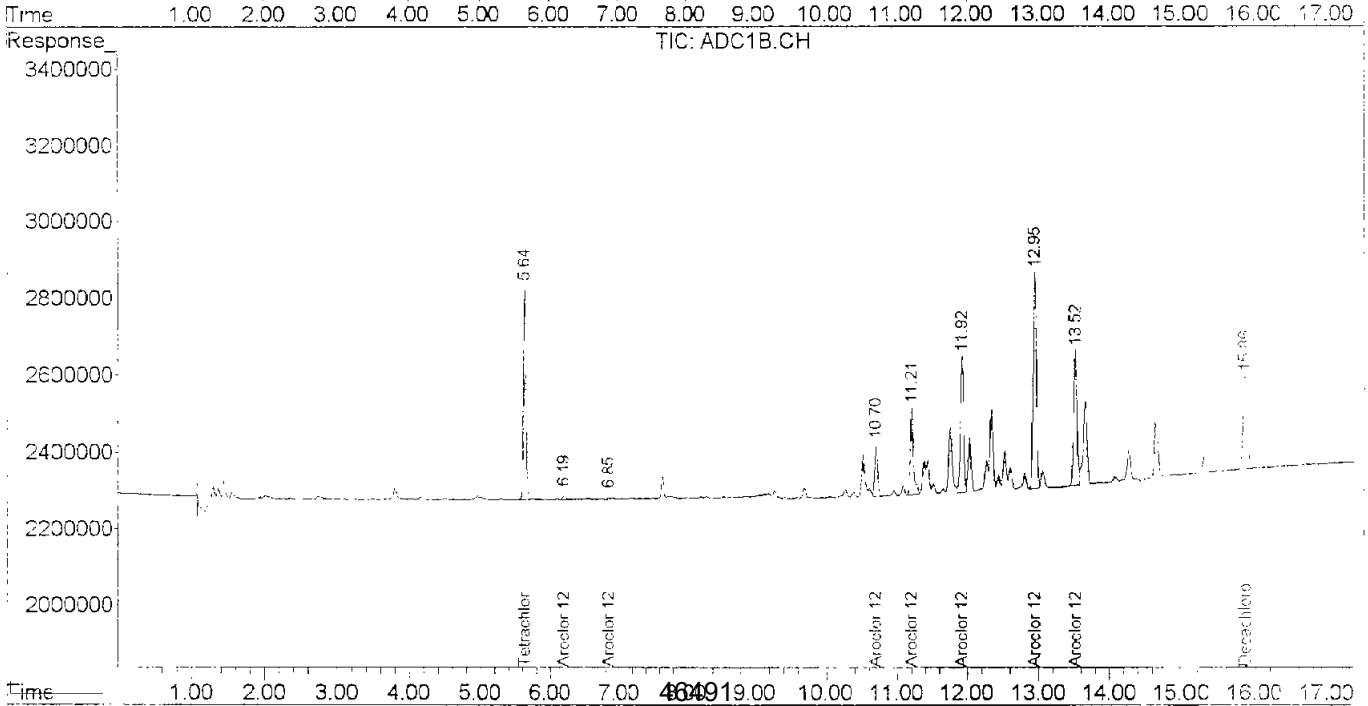
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2512.D\ADC1A.CH Vial: 18
Signal #2 : Z:\DATA\PB113004\PCB2512.D\ADC1B.CH
Acq On : 30 Nov 2004 10:03 pm Operator: STM
Sample : 100ng/ml 1262 ical 561-159-4 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 12:00 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 11:19:48 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





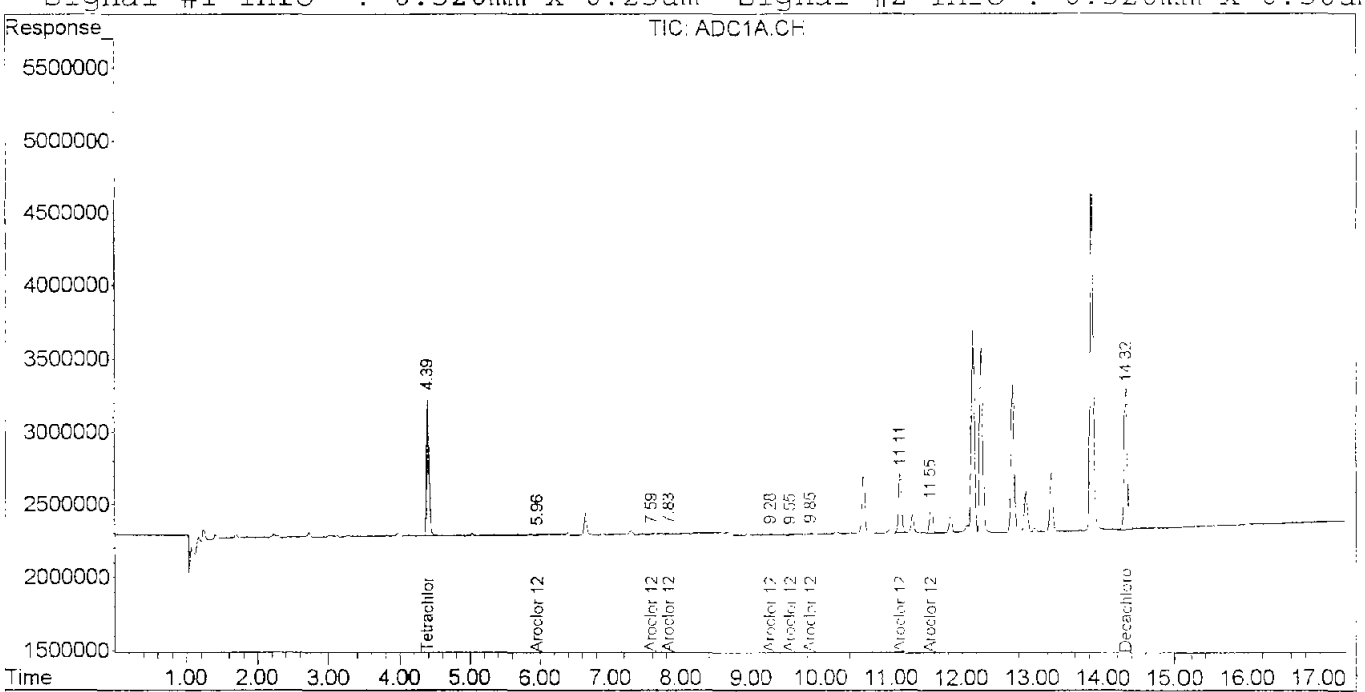
01225

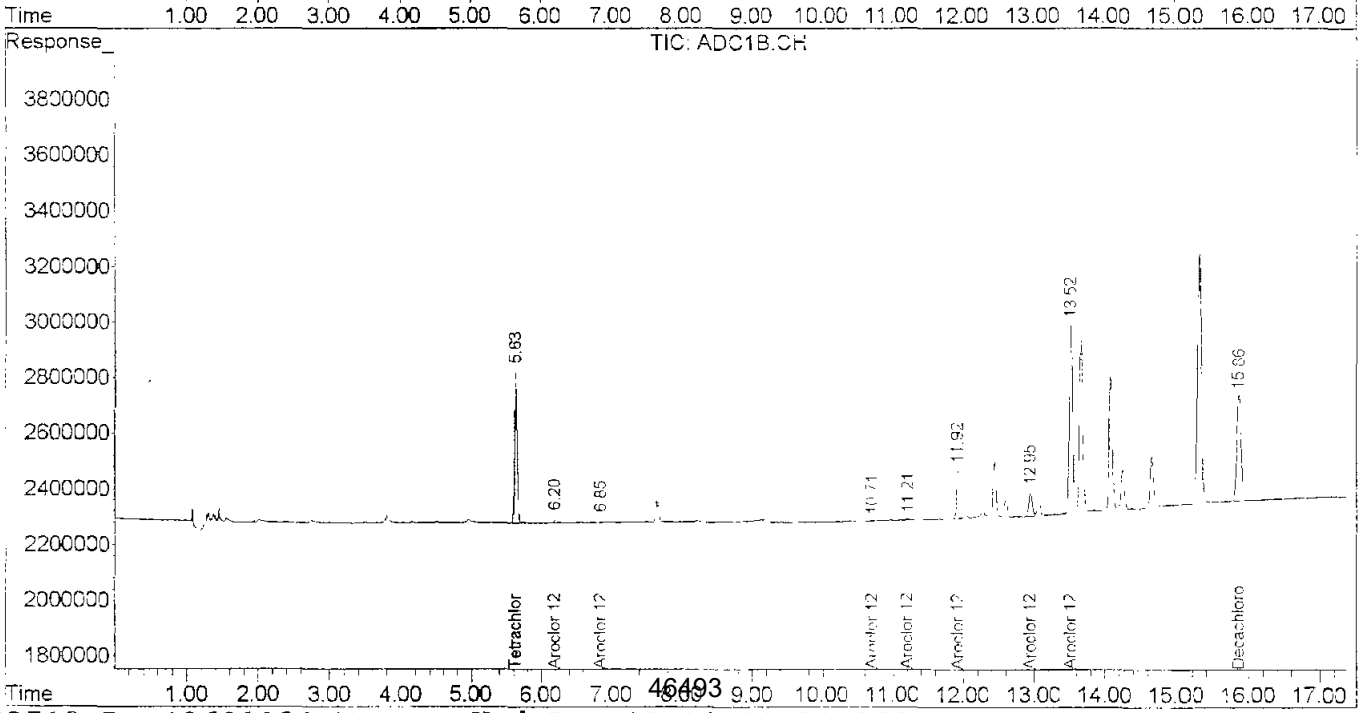
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2513.D\ADC1A.CH Vial: 19
Signal #2 : Z:\DATA\PB113004\PCB2513.D\ADC1B.CH
Acq On : 30 Nov 2004 10:23 pm Operator: STM
Sample : 100ng/ml 1268 ical 561-159-5 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 1 12:00 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 11:19:48 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





CONTINUING CALIBRATION

Sequence Log

Directory : z:\Data\PB113004

#	Filename	Sample Name	Date/Time
1	pcb2642.d	100ng/ml 1242/1260 ccv 561-160-1	12/02/04 17:21
2	pcb2643.d	100ng/ml 1221/1254 ccv 561-160-2	12/02/04 17:41
3	pcb2644.d	PB0859 mb #10 &10	12/02/04 18:01
4	pcb2645.d	PB0859 bs #10 &10	12/02/04 18:21
5	pcb2646.d	PB0859 bsd #10 &10	12/02/04 18:41
6	pcb2647.d	125059-12 &10	12/02/04 19:01
7	pcb2648.d	125059-13 &10	12/02/04 19:21
8	pcb2649.d	125059-14 &10	12/02/04 19:41
9	pcb2650.d	125059-15 &10	12/02/04 20:01
10	pcb2651.d	125059-15 ms &10	12/02/04 20:21
11	pcb2652.d	125059-15 msd &10	12/02/04 20:41
12	pcb2653.d	125059-16 &10	12/02/04 21:01
13	pcb2656.d	100ng/ml 1242/1260 ccv 561-160-1	12/02/04 22:01
14	pcb2657.d	100ng/ml 1221/1254 ccv 561-160-2	12/02/04 22:21
15	pcb2658.d	125059-17 &10	12/02/04 22:41
16	pcb2659.d	125060-3 &10	12/02/04 23:01
17	pcb2660.d	125060-4 &10	12/02/04 23:21
18	pcb2661.d	125060-5 &10	12/02/04 23:41
19	pcb2662.d	125060-6 &10	12/03/04 00:01
20	pcb2665.d	100ng/ml 1242/1260 ccv 561-160-1	12/03/04 01:01
21	pcb2666.d	100ng/ml 1221/1254 ccv 561-160-2	12/03/04 01:22

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2642.D\ADC1A.CH Vial: 3
Signal #2 : Z:\DATA\PB113004\PCB2642.D\ADC1B.CH
Acq On : 2 Dec 2004 5:21 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 02 17:46:09 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.61	21416694	12641875	8.794	9.168
Spiked Amount 20.000			Recovery	=	43.97%	45.84%
14) S Decachlorobiphen	14.28	15.83	19710109	10163479	9.585	9.707
Spiked Amount 20.000			Recovery	=	47.93%	48.54%
Target Compounds						
2) L3 Aroclor 1242	5.92	6.22	5753619	2166906	92.327	92.358
3) L3 Aroclor 1242 {2}	6.83	6.83	5647518	2076489	94.499	97.294
4) L3 Aroclor 1242 {3}	7.56	8.00	3851223	2618539	89.329	98.957
5) L3 Aroclor 1242 {4}	7.80	8.19	3652808	1668517	98.557	102.530
6) L3 Aroclor 1242 {5}	8.22	8.53	6743608	1967793	89.304	99.607
7) L3 Aroclor 1242 - T	0.00	0.00	25648776	10498244	95.000m	99.479m
8) L4 Aroclor 1260	9.25	10.67	10147819	4965299	99.368	99.770
9) L4 Aroclor 1260 {2}	9.51	11.18	9626058	8682018	94.229	99.967
10) L4 Aroclor 1260 {3}	9.82	11.90	19172215	6177347	97.869	102.167
11) L4 Aroclor 1260 {4}	11.10	12.92	11822559	13811025	98.458	100.761
12) L4 Aroclor 1260 {5}	11.53	13.49	28702845	8243661	88.196	106.111
13) L4 Aroclor 1260 - T	0.00	0.00	79471496	41879349	93.971m	100.199m

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2642.D\ADC1A.CH Vial: 3
Signal #2 : Z:\DATA\PB113004\PCB2642.D\ADC1B.CH
Acq On : 2 Dec 2004 5:21 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Thu Dec 16 13:12:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene (S)	10.000	8.794	12.1	0	0.02
2	L1	Aroclor 1242	100.000	92.327	7.7	0	0.03
3	L1	Aroclor 1242 {2}	100.000	94.499	5.5	0	0.03
4	L1	Aroclor 1242 {3}	100.000	89.329	10.7	0	0.03
5	L1	Aroclor 1242 {4}	100.000	98.557	1.4	0	0.03
6	L1	Aroclor 1242 {5}	100.000	89.304	10.7	0	0.03
7	L1	Aroclor 1242 - Total	100.000	95.000	5.0	0	-0.61#
8	L2	Aroclor 1260	100.000	99.368	0.6	0	0.04
9	L2	Aroclor 1260 {2}	100.000	94.229	5.8	0	0.03
10	L2	Aroclor 1260 {3}	100.000	97.869	2.1	0	0.03
11	L2	Aroclor 1260 {4}	100.000	98.458	1.5	0	0.03
12	L2	Aroclor 1260 {5}	100.000	88.196	11.8	0	0.04
13	L2	Aroclor 1260 - Total	100.000	93.971	6.0	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.585	4.1	0	0.04

Signal #2

1	S	Tetrachloro-m-xylene (S)	10.000	9.168	8.3	0	0.02
2	L3	Aroclor 1242	100.000	92.358	7.6	0	0.02
3	L3	Aroclor 1242 {2}	100.000	97.294	2.7	0	0.02
4	L3	Aroclor 1242 {3}	100.000	98.957	1.0	0	0.02
5	L3	Aroclor 1242 {4}	100.000	102.530	-2.5	0	0.02
6	L3	Aroclor 1242 {5}	100.000	99.607	0.4	0	0.02
7	L3	Aroclor 1242 - Total	100.000	99.479	0.5	0	-0.61#
8	L4	Aroclor 1260	100.000	99.770	0.2	0	0.02
9	L4	Aroclor 1260 {2}	100.000	99.967	0.0	0	0.02
10	L4	Aroclor 1260 {3}	100.000	102.167	-2.2	0	0.02
11	L4	Aroclor 1260 {4}	100.000	100.761	-0.8	0	0.02
12	L4	Aroclor 1260 {5}	100.000	106.111	-6.1	0	0.02
13	L4	Aroclor 1260 - Total	100.000	100.199	-0.2	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.707	2.9	0	0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0
46501

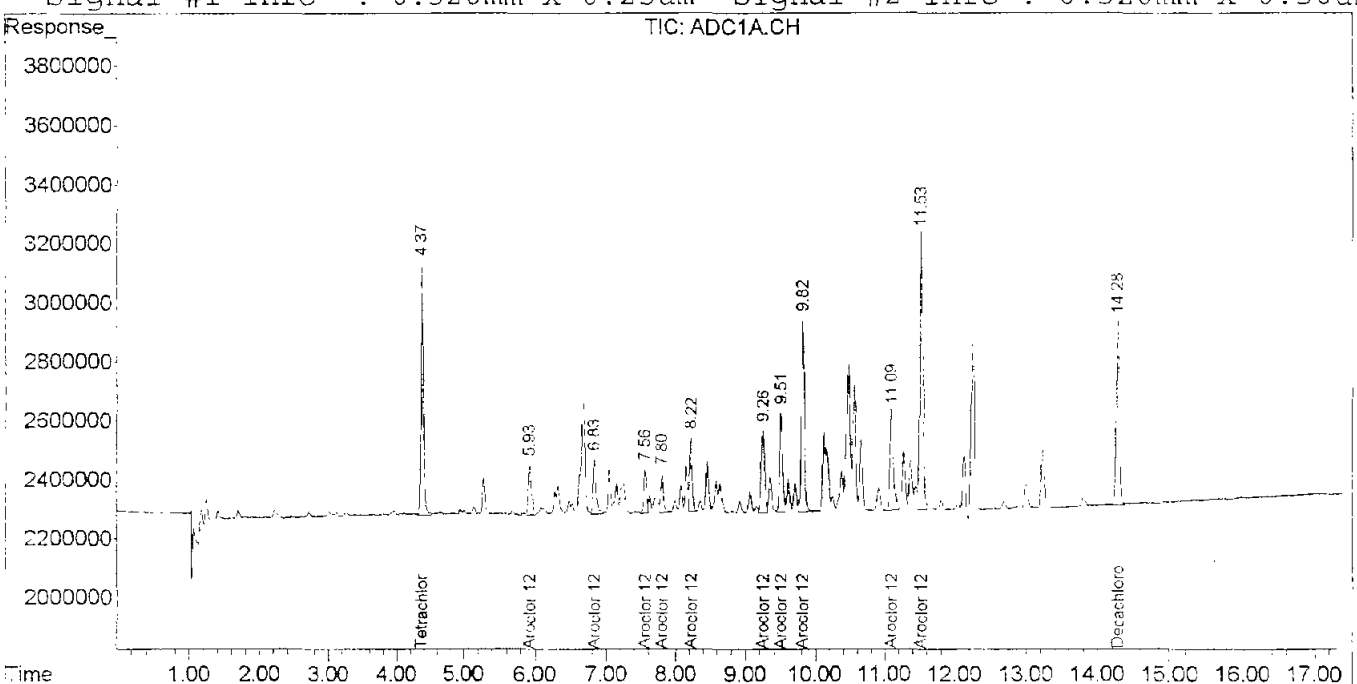
01230

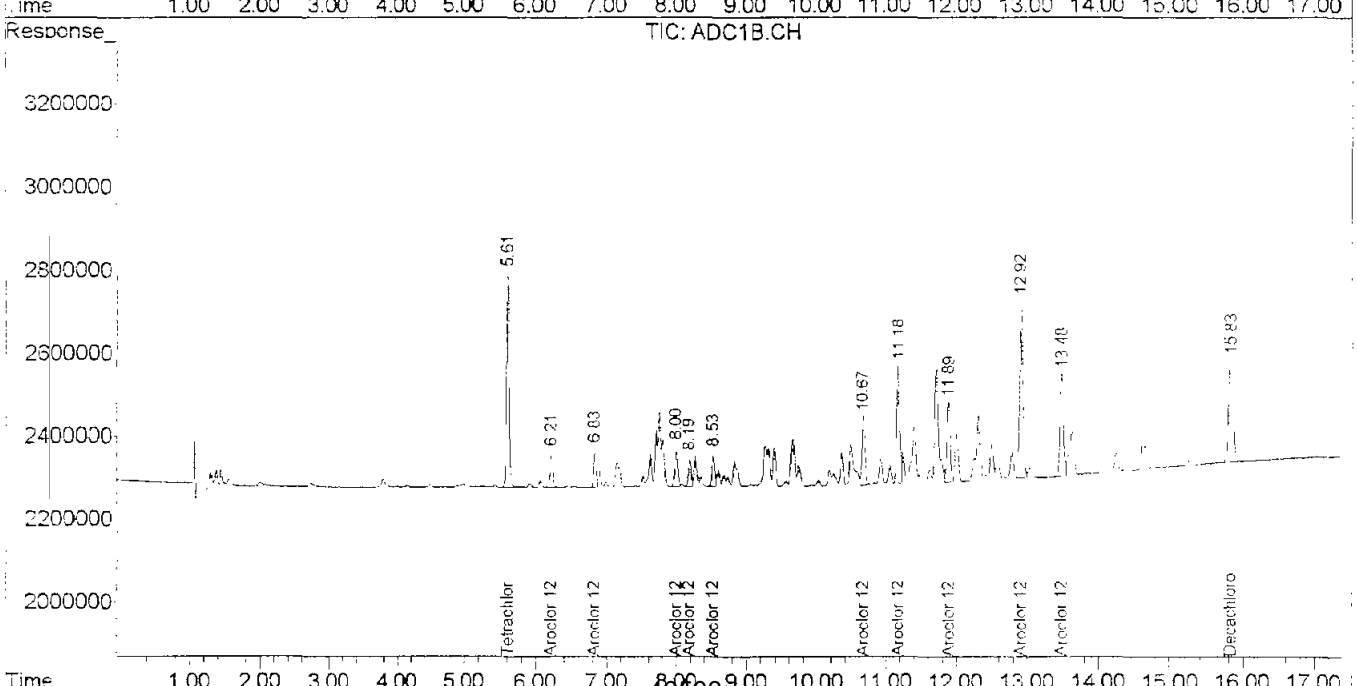
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2642.D\ADC1A.CH Vial: 3
Signal #2 : Z:\DATA\PB113004\PCB2642.D\ADC1B.CH
Acq On : 2 Dec 2004 5:21 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 17:46 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2656.D\ADC1A.CH Vial: 17
Signal #2 : Z:\DATA\PB113004\PCB2656.D\ADC1B.CH
Acq On : 2 Dec 2004 10:01 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 09:55:51 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.62	22164401	13231865	9.101	9.596
Spiked Amount 20.000			Recovery	=	45.51%	47.98%
14) S Decachlorobiphen	14.30	15.85	18520565	10043518	8.927	9.571
Spiked Amount 20.000			Recovery	=	44.63%	47.85%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.23	5563940	2226571	89.283	94.901
3) L3 Aroclor 1242 {2}	6.84	6.84	5409182	2126718	89.931	99.647
4) L3 Aroclor 1242 {3}	7.57	8.01	3854990	2687248	89.417	101.801
5) L3 Aroclor 1242 {4}	7.81	8.20	3704469	1695361	99.951	104.422
6) L3 Aroclor 1242 {5}	8.23	8.54	7088017	2005930	94.679	101.747
7) L3 Aroclor 1242 - T	0.00	0.00	25620597	10741829	94.881m	102.035m
8) L4 Aroclor 1260	9.27	10.69	10056691	4936422	98.476	99.189
9) L4 Aroclor 1260 {2}	9.52	11.19	9555181	8625679	93.536	99.318
10) L4 Aroclor 1260 {3}	9.83	11.91	18940533	6111751	96.686	100.970
11) L4 Aroclor 1260 {4}	11.11	12.93	11703273	13686556	97.465	99.853
12) L4 Aroclor 1260 {5}	11.54	13.50	27918059	8154009	85.784	104.957
13) L4 Aroclor 1260 - T	0.00	0.00	78173737	41514419	92.437m	99.326m

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2656.D\ADC1A.CH Vial: 17
Signal #2 : Z:\DATA\PB113004\PCB2656.D\ADC1B.CH
Acq On : 2 Dec 2004 10:01 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Thu Dec 16 13:12:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene (S)	10.000	9.101	9.0	0	0.03
2	L1	Aroclor 1242	100.000	89.283	10.7	0	0.04
3	L1	Aroclor 1242 {2}	100.000	89.931	10.1	0	0.04
4	L1	Aroclor 1242 {3}	100.000	89.417	10.6	0	0.04
5	L1	Aroclor 1242 {4}	100.000	99.951	0.0	0	0.04
6	L1	Aroclor 1242 {5}	100.000	94.679	5.3	0	0.04
7	L1	Aroclor 1242 - Total	100.000	94.881	5.1	0	-0.61#
8	L2	Aroclor 1260	100.000	98.476	1.5	0	0.05
9	L2	Aroclor 1260 {2}	100.000	93.536	6.5	0	0.05
10	L2	Aroclor 1260 {3}	100.000	96.686	3.3	0	0.05
11	L2	Aroclor 1260 {4}	100.000	97.465	2.5	0	0.05
12	L2	Aroclor 1260 {5}	100.000	85.784	14.2	0	0.05
13	L2	Aroclor 1260 - Total	100.000	92.437	7.6	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	8.927	10.7	0	0.05

Signal #2

1	S	Tetrachloro-m-xylene (S)	10.000	9.596	4.0	0	0.04
2	L3	Aroclor 1242	100.000	94.901	5.1	0	0.03
3	L3	Aroclor 1242 {2}	100.000	99.647	0.4	0	0.04
4	L3	Aroclor 1242 {3}	100.000	101.801	-1.8	0	0.03
5	L3	Aroclor 1242 {4}	100.000	104.422	-4.4	0	0.03
6	L3	Aroclor 1242 {5}	100.000	101.747	-1.7	0	0.04
7	L3	Aroclor 1242 - Total	100.000	102.035	-2.0	0	-0.61#
8	L4	Aroclor 1260	100.000	99.189	0.8	0	0.04
9	L4	Aroclor 1260 {2}	100.000	99.318	0.7	0	0.04
10	L4	Aroclor 1260 {3}	100.000	100.970	-1.0	0	0.04
11	L4	Aroclor 1260 {4}	100.000	99.853	0.1	0	0.03
12	L4	Aroclor 1260 {5}	100.000	104.957	-5.0	0	0.04
13	L4	Aroclor 1260 - Total	100.000	99.326	0.7	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.571	4.3	0	0.04

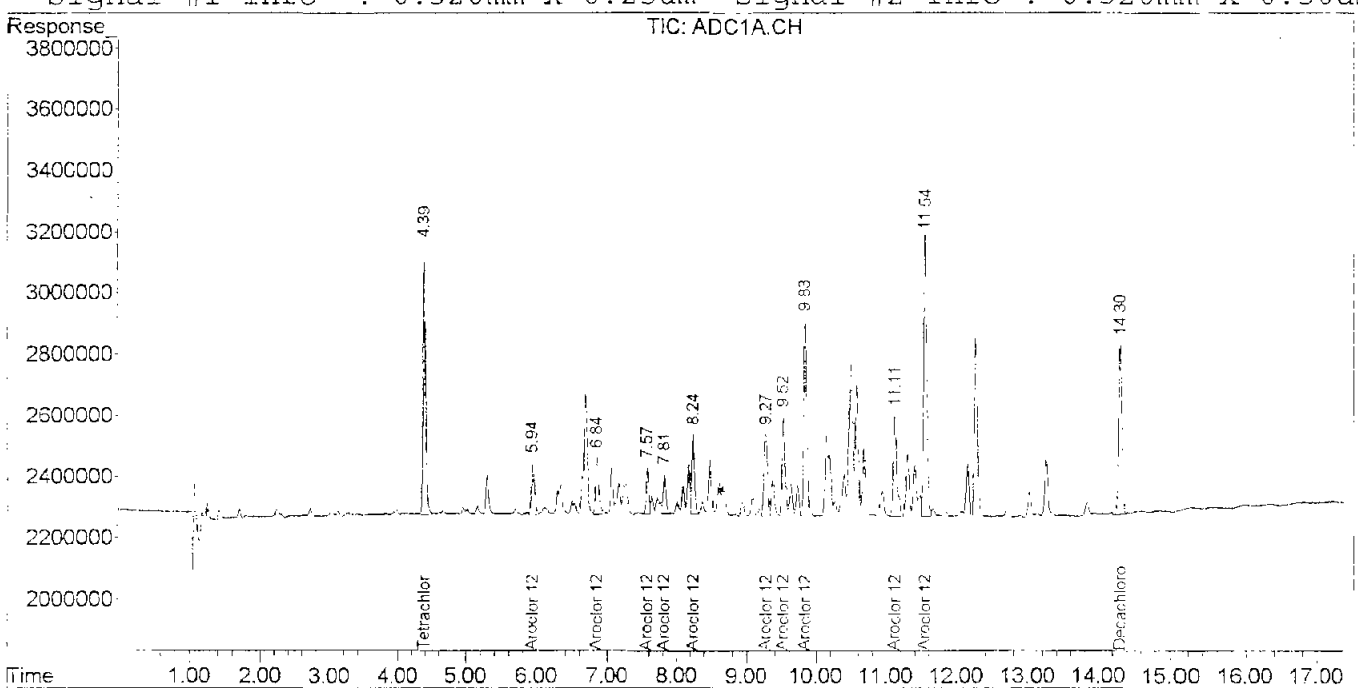
(#) = Out of Range SPCC's out = 0 CCC's out = 0

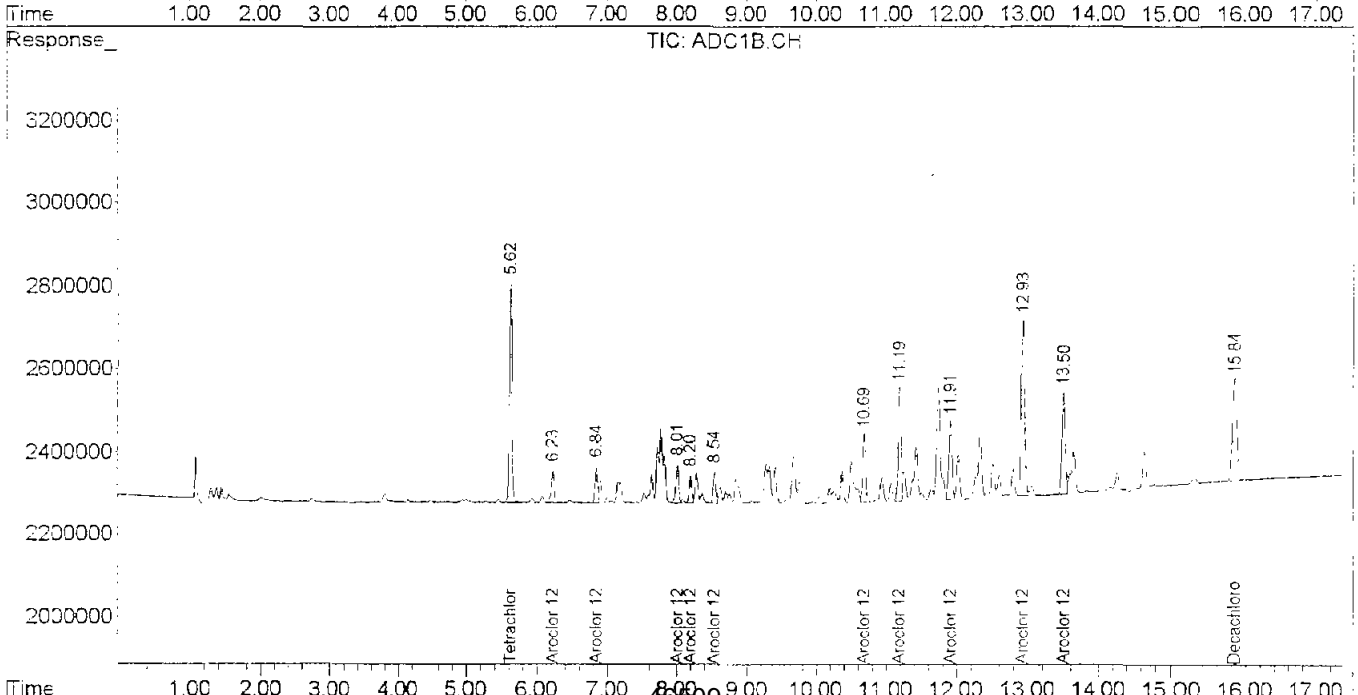
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2656.D\ADC1A.CH Vial: 17
Signal #2 : Z:\DATA\PB113004\PCB2656.D\ADC1B.CH
Acq On : 2 Dec 2004 10:01 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 9:55 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





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01234

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2665.D\ADC1A.CH Vial: 26
Signal #2 : Z:\DATA\PB113004\PCB2665.D\ADC1B.CH
Acq On : 3 Dec 2004 1:01 am Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 09:56:02 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.63	22682392	13308417	9.314	9.651
Spiked Amount 20.000			Recovery	=	46.57%	48.25%
14) S Decachlorobiphen	14.31	15.86	19337830	10313551	9.379	9.878
Spiked Amount 20.000			Recovery	=	46.89%	49.39%
Target Compounds						
2) L3 Aroclor 1242	5.95	6.24	5580937	2294619	89.556	97.801
3) L3 Aroclor 1242 {2}	6.85	6.85	5843642	2174469	98.258	101.885
4) L3 Aroclor 1242 {3}	7.58	8.02	3901564	2677900	90.497	101.414
5) L3 Aroclor 1242 {4}	7.83	8.21	3765864	1656899	101.608	101.712
6) L3 Aroclor 1242 {5}	8.25	8.55	7253044	2014788	97.255	102.244
7) L3 Aroclor 1242 - T	0.00	0.00	26345051	10818675	97.920m	102.842m
8) L4 Aroclor 1260	9.28	10.70	10423599	5053125	102.069	101.534
9) L4 Aroclor 1260 {2}	9.53	11.21	9951822	8738483	97.418	100.617
10) L4 Aroclor 1260 {3}	9.85	11.92	19824800	6232114	101.200	103.166
11) L4 Aroclor 1260 {4}	11.12	12.94	11882067	13873174	98.954	101.214
12) L4 Aroclor 1260 {5}	11.55	13.51	28759587	8349536	88.370	107.474
13) L4 Aroclor 1260 - T	0.00	0.00	80841875	42246432	95.592m	101.078m

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2665.D\ADC1A.CH Vial: 26
Signal #2 : Z:\DATA\PB113004\PCB2665.D\ADC1B.CH
Acq On : 3 Dec 2004 1:01 am Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Thu Dec 16 13:12:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene (S)	10.000	9.314	6.9	0	0.04
2	L1	Aroclor 1242	100.000	89.556	10.4	0	0.05
3	L1	Aroclor 1242 {2}	100.000	98.258	1.7	0	0.05
4	L1	Aroclor 1242 {3}	100.000	90.497	9.5	0	0.05
5	L1	Aroclor 1242 {4}	100.000	101.608	-1.6	0	0.05
6	L1	Aroclor 1242 {5}	100.000	97.255	2.7	0	0.05
7	L1	Aroclor 1242 - Total	100.000	97.920	2.1	0	-0.61#
8	L2	Aroclor 1260	100.000	102.069	-2.1	0	0.06
9	L2	Aroclor 1260 {2}	100.000	97.418	2.6	0	0.06
10	L2	Aroclor 1260 {3}	100.000	101.200	-1.2	0	0.06
11	L2	Aroclor 1260 {4}	100.000	98.954	1.0	0	0.06
12	L2	Aroclor 1260 {5}	100.000	88.370	11.6	0	0.06
13	L2	Aroclor 1260 - Total	100.000	95.592	4.4	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.379	6.2	0	0.06

Signal #2

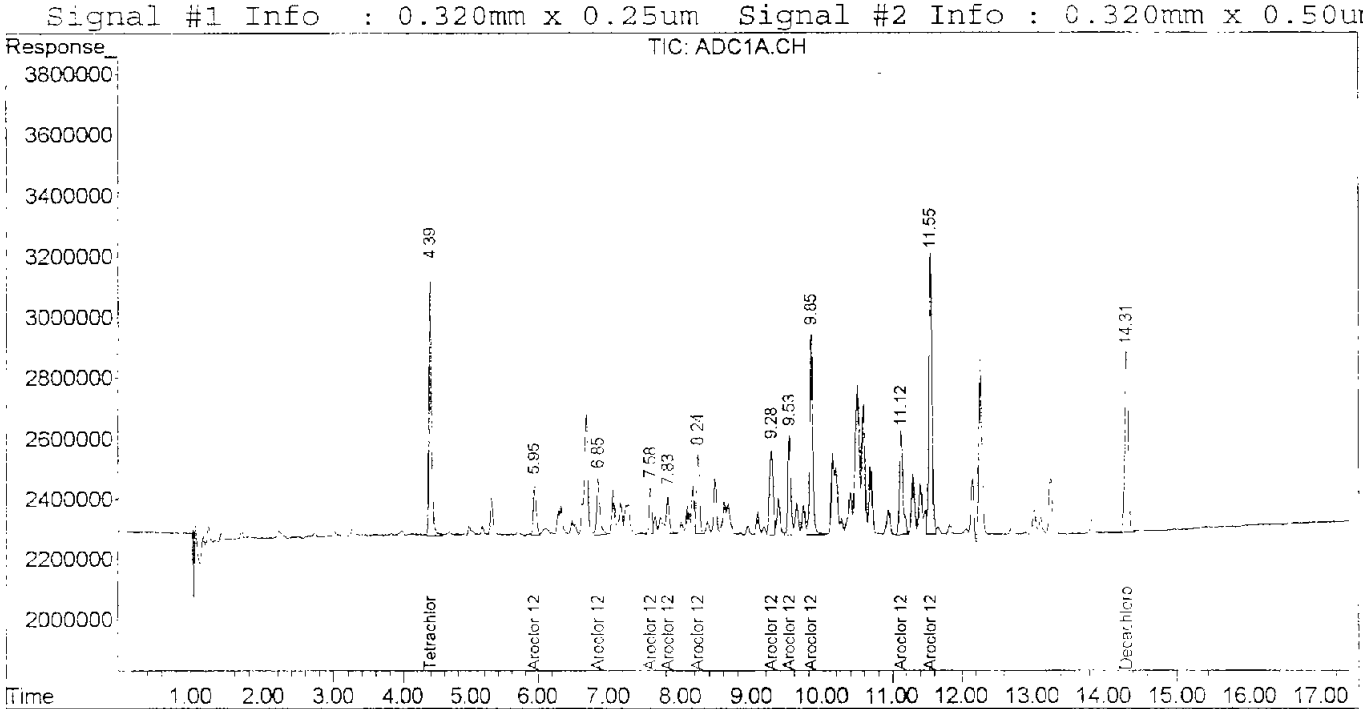
1	S	Tetrachloro-m-xylene (S)	10.000	9.651	3.5	0	0.05
2	L3	Aroclor 1242	100.000	97.801	2.2	0	0.04
3	L3	Aroclor 1242 {2}	100.000	101.885	-1.9	0	0.05
4	L3	Aroclor 1242 {3}	100.000	101.414	-1.4	0	0.04
5	L3	Aroclor 1242 {4}	100.000	101.712	-1.7	0	0.05
6	L3	Aroclor 1242 {5}	100.000	102.244	-2.2	0	0.05
7	L3	Aroclor 1242 - Total	100.000	102.842	-2.8	0	-0.61#
8	L4	Aroclor 1260	100.000	101.534	-1.5	0	0.05
9	L4	Aroclor 1260 {2}	100.000	100.617	-0.6	0	0.05
10	L4	Aroclor 1260 {3}	100.000	103.166	-3.2	0	0.05
11	L4	Aroclor 1260 {4}	100.000	101.214	-1.2	0	0.05
12	L4	Aroclor 1260 {5}	100.000	107.474	-7.5	0	0.05
13	L4	Aroclor 1260 - Total	100.000	101.078	-1.1	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.878	1.2	0	0.06

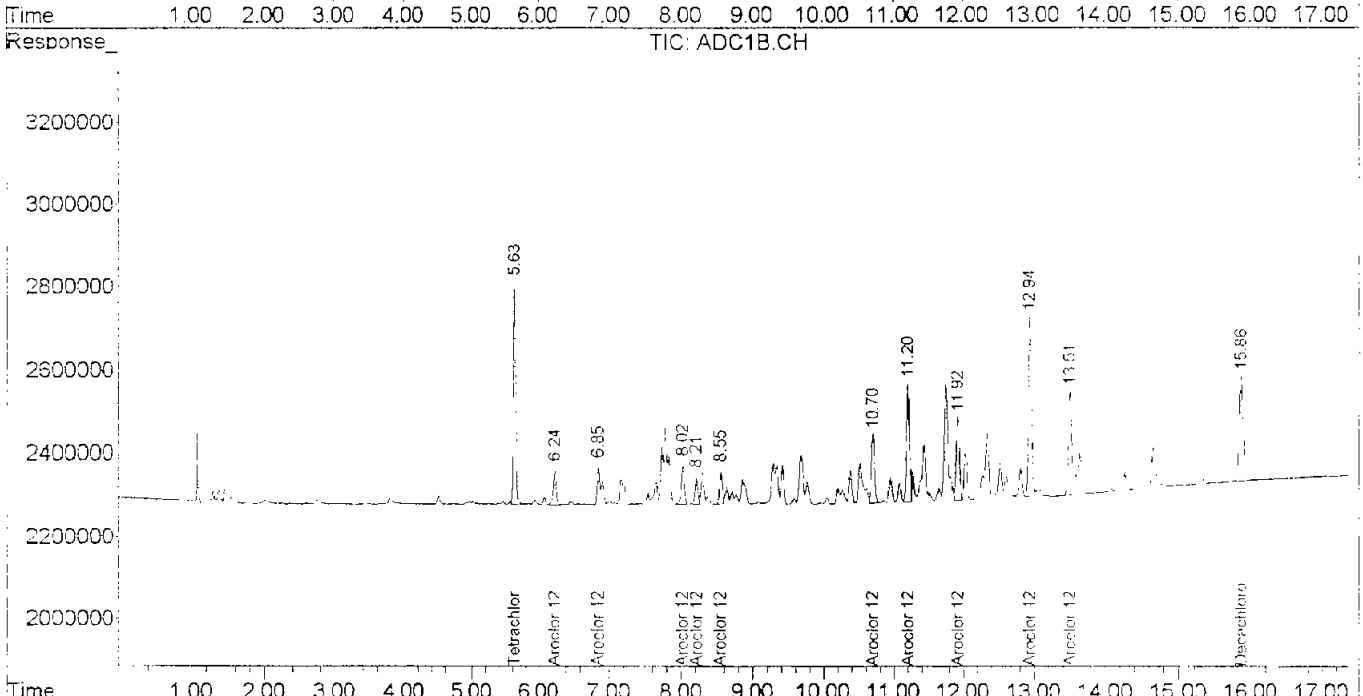
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2665.D\ADC1A.CH Vial: 26
Signal #2 : Z:\DATA\PB113004\PCB2665.D\ADC1B.CH
Acq On : 3 Dec 2004 1:01 am Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 9:56 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Sequence Log

Directory : z:\Data\PB113004

#	Filename	Sample Name	Date/Time
1	pcb2576.d	100ng/ml 1242/1260 ccv 561-160-1	12/01/04 19:22
2	pcb2578.d	PBW0304 mb liquid #1000 &1	12/01/04 20:02
3	pcb2579.d	PBW0304 bs liquid #1000 &1	12/01/04 20:22
4	pcb2580.d	PBW0304 bsd liquid #1000 &1	12/01/04 20:42
5	pcb2581.d	125060-11 liquid &1	12/01/04 21:02
6	pcb2588.d	100ng/ml 1242/1260 ccv 561-160-1	12/01/04 23:22

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2576.D\ADC1A.CH Vial: 16
Signal #2 : Z:\DATA\PB113004\PCB2576.D\ADC1B.CH
Acq On : 1 Dec 2004 7:22 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:40 2004 Quant Results File: 42601130.RES

Quant Method : H:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.61	22196529	12878760	9.115	9.340
Spiked Amount 20.000			Recovery	=	45.57%	46.70%
14) S Decachlorobiphen	14.28	15.83	19687789	10055673	9.572	9.585
Spiked Amount 20.000			Recovery	=	47.86%	47.93%
Target Compounds						
2) L3 Aroclor 1242	5.92	6.22	5641269	2167533	90.524	92.384
3) L3 Aroclor 1242 {2}	6.83	6.83	5790254	2103957	97.235	98.581
4) L3 Aroclor 1242 {3}	7.56	8.00	3929763	2662345	91.151	100.770
5) L3 Aroclor 1242 {4}	7.80	8.19	3779670	1660773	101.980	101.985
6) L3 Aroclor 1242 {5}	8.22	8.53	7117591	1975197	95.141	100.023
7) L3 Aroclor 1242 - T	0.00	0.00	26258548	10569805	97.557m	100.230m
8) L4 Aroclor 1260	9.25	10.68	10379220	4982350	101.634	100.112
9) L4 Aroclor 1260 {2}	9.51	11.18	9896270	8745718	96.875	100.700
10) L4 Aroclor 1260 {3}	9.82	11.90	19509633	6207920	99.591	102.725
11) L4 Aroclor 1260 {4}	11.10	12.92	11984881	13821935	99.810	100.841
12) L4 Aroclor 1260 {5}	11.53	13.49	29215996	8252669	89.773	106.227
13) L4 Aroclor 1260 - T	0.00	0.00	80986000	42010592	95.762m	100.513m

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2576.D\ADC1A.CH Vial: 16
Signal #2 : Z:\DATA\PB113004\PCB2576.D\ADC1B.CH
Acq On : 1 Dec 2004 7:22 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene (S)	10.000	9.115	8.8	0	0.00
2	L1	Aroclor 1242	100.000	90.524	9.5	0	-0.01
3	L1	Aroclor 1242 {2}	100.000	97.235	2.8	0	-0.01
4	L1	Aroclor 1242 {3}	100.000	91.151	8.8	0	-0.01
5	L1	Aroclor 1242 {4}	100.000	101.980	-2.0	0	-0.02
6	L1	Aroclor 1242 {5}	100.000	95.141	4.9	0	-0.01
7	L1	Aroclor 1242 - Total	100.000	97.557	2.4	0	-0.61#
8	L2	Aroclor 1260	100.000	101.634	-1.6	0	-0.01
9	L2	Aroclor 1260 {2}	100.000	96.875	3.1	0	-0.01
10	L2	Aroclor 1260 {3}	100.000	99.591	0.4	0	-0.01
11	L2	Aroclor 1260 {4}	100.000	99.810	0.2	0	-0.02
12	L2	Aroclor 1260 {5}	100.000	89.773	10.2	0	-0.02
13	L2	Aroclor 1260 - Total	100.000	95.762	4.2	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.572	4.3	0	-0.02

Signal #2

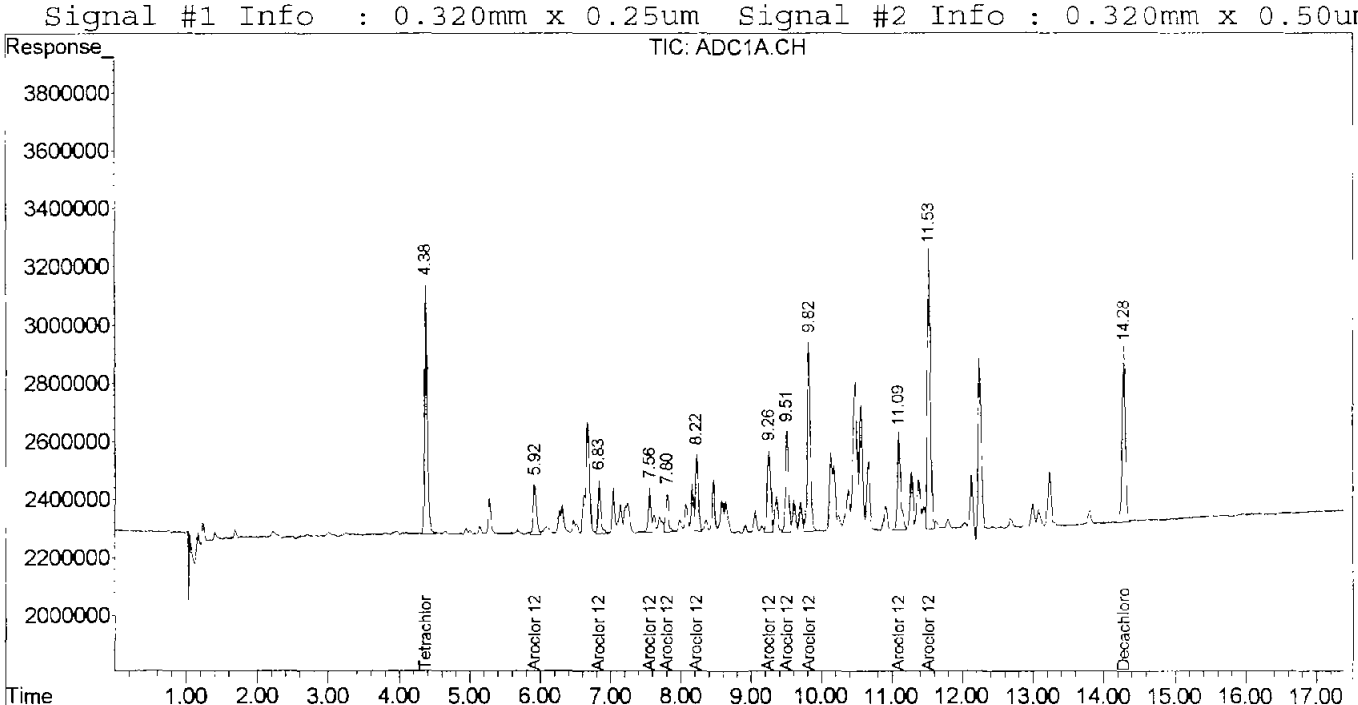
1	S	Tetrachloro-m-xylene (S)	10.000	9.340	6.6	0	0.00
2	L3	Aroclor 1242	100.000	92.384	7.6	0	-0.01
3	L3	Aroclor 1242 {2}	100.000	98.581	1.4	0	-0.01
4	L3	Aroclor 1242 {3}	100.000	100.770	-0.8	0	-0.01
5	L3	Aroclor 1242 {4}	100.000	101.985	-2.0	0	-0.01
6	L3	Aroclor 1242 {5}	100.000	100.023	-0.0	0	-0.01
7	L3	Aroclor 1242 - Total	100.000	100.230	-0.2	0	-0.61#
8	L4	Aroclor 1260	100.000	100.112	-0.1	0	-0.01
9	L4	Aroclor 1260 {2}	100.000	100.700	-0.7	0	-0.02
10	L4	Aroclor 1260 {3}	100.000	102.725	-2.7	0	-0.02
11	L4	Aroclor 1260 {4}	100.000	100.841	-0.8	0	-0.02
12	L4	Aroclor 1260 {5}	100.000	106.227	-6.2	0	-0.02
13	L4	Aroclor 1260 - Total	100.000	100.513	-0.5	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.585	4.1	0	-0.02

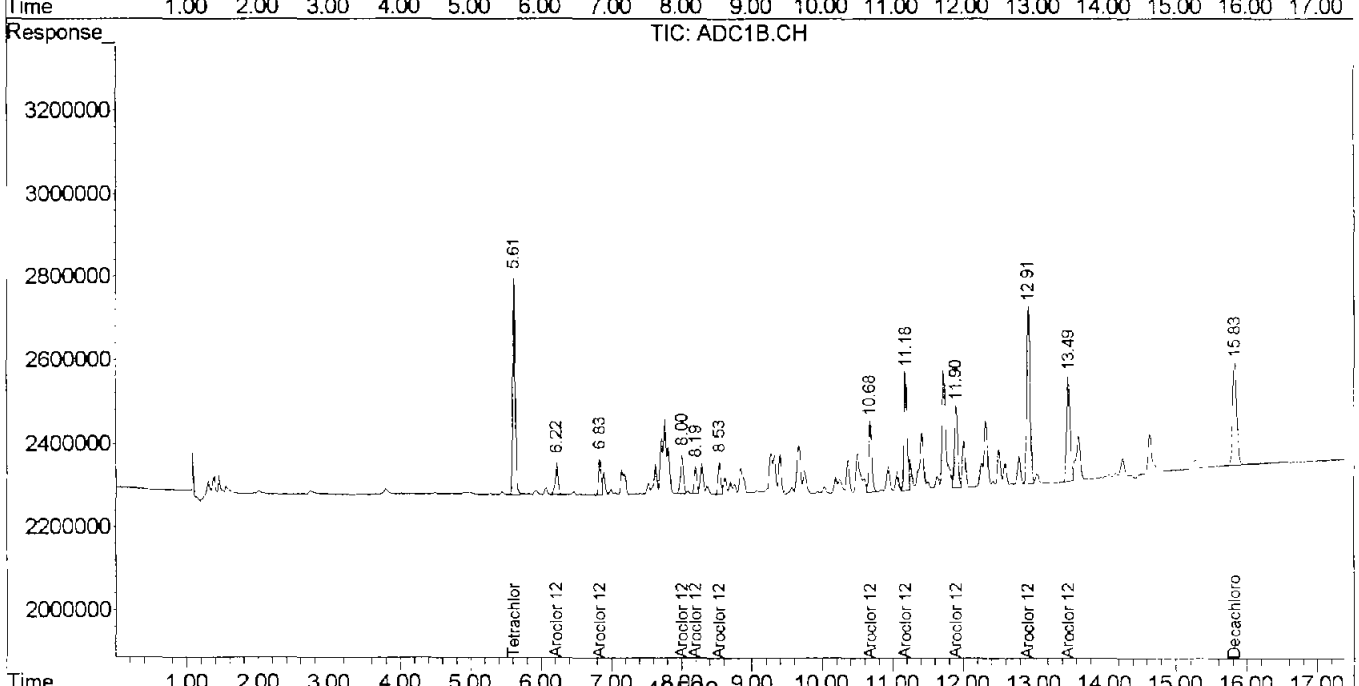
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2576.D\ADC1A.CH Vial: 16
Signal #2 : Z:\DATA\PB113004\PCB2576.D\ADC1B.CH
Acq On : 1 Dec 2004 7:22 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:40 2004 Quant Results File: 42601130.RES

Quant Method : H:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2588.D\ADC1A.CH Vial: 28
Signal #2 : Z:\DATA\PB113004\PCB2588.D\ADC1B.CH
Acq On : 1 Dec 2004 11:22 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:48 2004 Quant Results File: 42601130.RES

Quant Method : H:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.40	5.63	22168884	12914468	9.103	9.365
Spiked Amount 20.000			Recovery	=	45.52%	46.83%
14) S Decachlorobiphen	14.31	15.86	19833184	10144111	9.653	9.685
Spiked Amount 20.000			Recovery	=	48.27%	48.43%
Target Compounds						
2) L3 Aroclor 1242	5.95	6.24	5616308	2122604	90.123	90.469
3) L3 Aroclor 1242 {2}	6.85	6.85	5785590	2127916	97.145	99.704
4) L3 Aroclor 1242 {3}	7.58	8.02	3925166	2675761	91.044	101.325
5) L3 Aroclor 1242 {4}	7.82	8.21	3738035	1696947	100.857	104.534
6) L3 Aroclor 1242 {5}	8.25	8.55	7303626	2003214	98.044	101.595
7) L3 Aroclor 1242 - T	0.00	0.00	26368724	10626442	98.019m	100.824m
8) L4 Aroclor 1260	9.28	10.70	10353363	5036164	101.381	101.193
9) L4 Aroclor 1260 {2}	9.53	11.20	9939959	8735363	97.302	100.581
10) L4 Aroclor 1260 {3}	9.85	11.92	19396812	6230865	99.015	103.143
11) L4 Aroclor 1260 {4}	11.12	12.94	12018774	13936927	100.092	101.680
12) L4 Aroclor 1260 {5}	11.55	13.51	29363792	8314299	90.227	107.020
13) L4 Aroclor 1260 - T	0.00	0.00	81072700	42253618	95.865m	101.095m

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2588.D\ADC1A.CH Vial: 28
Signal #2 : Z:\DATA\PB113004\PCB2588.D\ADC1B.CH
Acq On : 1 Dec 2004 11:22 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene (S)	10.000	9.103	9.0	0	0.01
2	L1	Aroclor 1242	100.000	90.123	9.9	0	0.00
3	L1	Aroclor 1242 {2}	100.000	97.145	2.9	0	0.01
4	L1	Aroclor 1242 {3}	100.000	91.044	9.0	0	0.00
5	L1	Aroclor 1242 {4}	100.000	100.857	-0.9	0	0.00
6	L1	Aroclor 1242 {5}	100.000	98.044	2.0	0	0.00
7	L1	Aroclor 1242 - Total	100.000	98.019	2.0	0	-0.61#
8	L2	Aroclor 1260	100.000	101.381	-1.4	0	0.00
9	L2	Aroclor 1260 {2}	100.000	97.302	2.7	0	0.00
10	L2	Aroclor 1260 {3}	100.000	99.015	1.0	0	0.00
11	L2	Aroclor 1260 {4}	100.000	100.092	-0.1	0	0.00
12	L2	Aroclor 1260 {5}	100.000	90.227	9.8	0	0.00
13	L2	Aroclor 1260 - Total	100.000	95.865	4.1	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.653	3.5	0	0.00

Signal #2

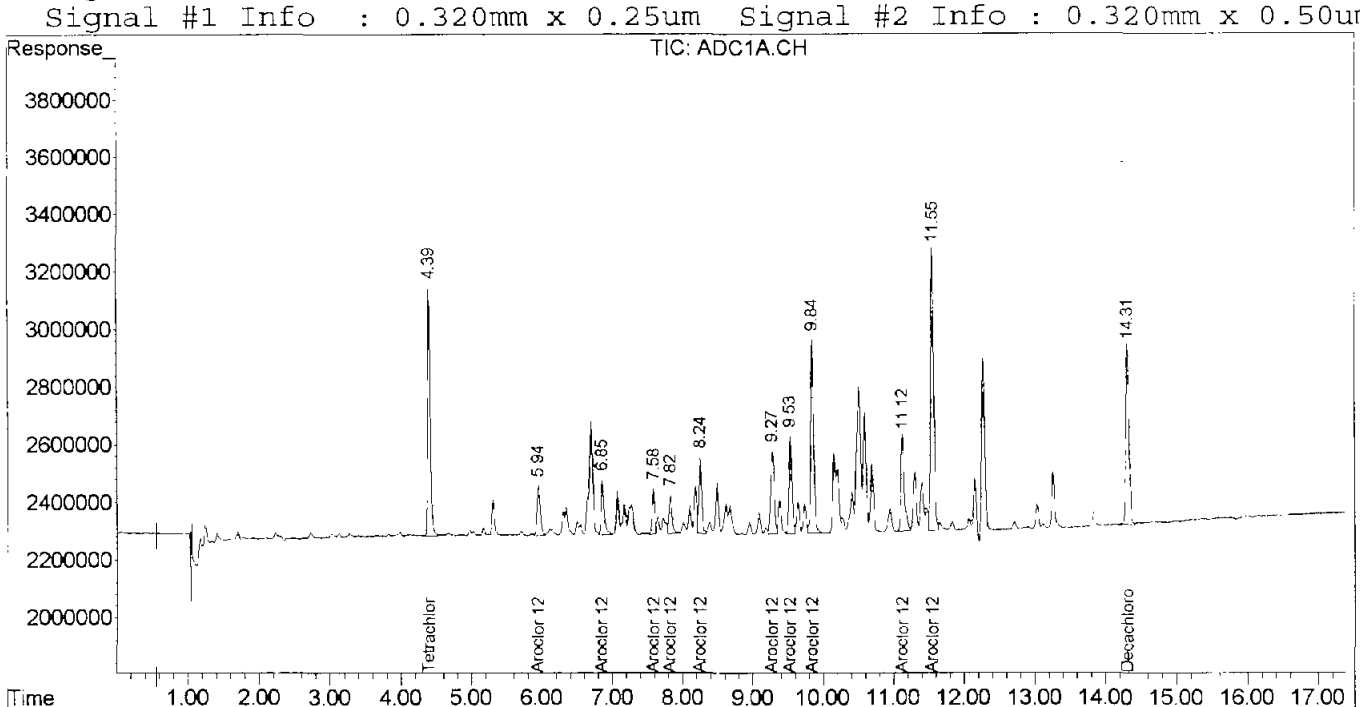
1	S	Tetrachloro-m-xylene (S)	10.000	9.365	6.3	0	0.01
2	L3	Aroclor 1242	100.000	90.469	9.5	0	0.01
3	L3	Aroclor 1242 {2}	100.000	99.704	0.3	0	0.00
4	L3	Aroclor 1242 {3}	100.000	101.325	-1.3	0	0.01
5	L3	Aroclor 1242 {4}	100.000	104.534	-4.5	0	0.01
6	L3	Aroclor 1242 {5}	100.000	101.595	-1.6	0	0.01
7	L3	Aroclor 1242 - Total	100.000	100.824	-0.8	0	-0.61#
8	L4	Aroclor 1260	100.000	101.193	-1.2	0	0.00
9	L4	Aroclor 1260 {2}	100.000	100.581	-0.6	0	0.00
10	L4	Aroclor 1260 {3}	100.000	103.143	-3.1	0	0.00
11	L4	Aroclor 1260 {4}	100.000	101.680	-1.7	0	0.00
12	L4	Aroclor 1260 {5}	100.000	107.020	-7.0	0	0.00
13	L4	Aroclor 1260 - Total	100.000	101.095	-1.1	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.685	3.1	0	0.01

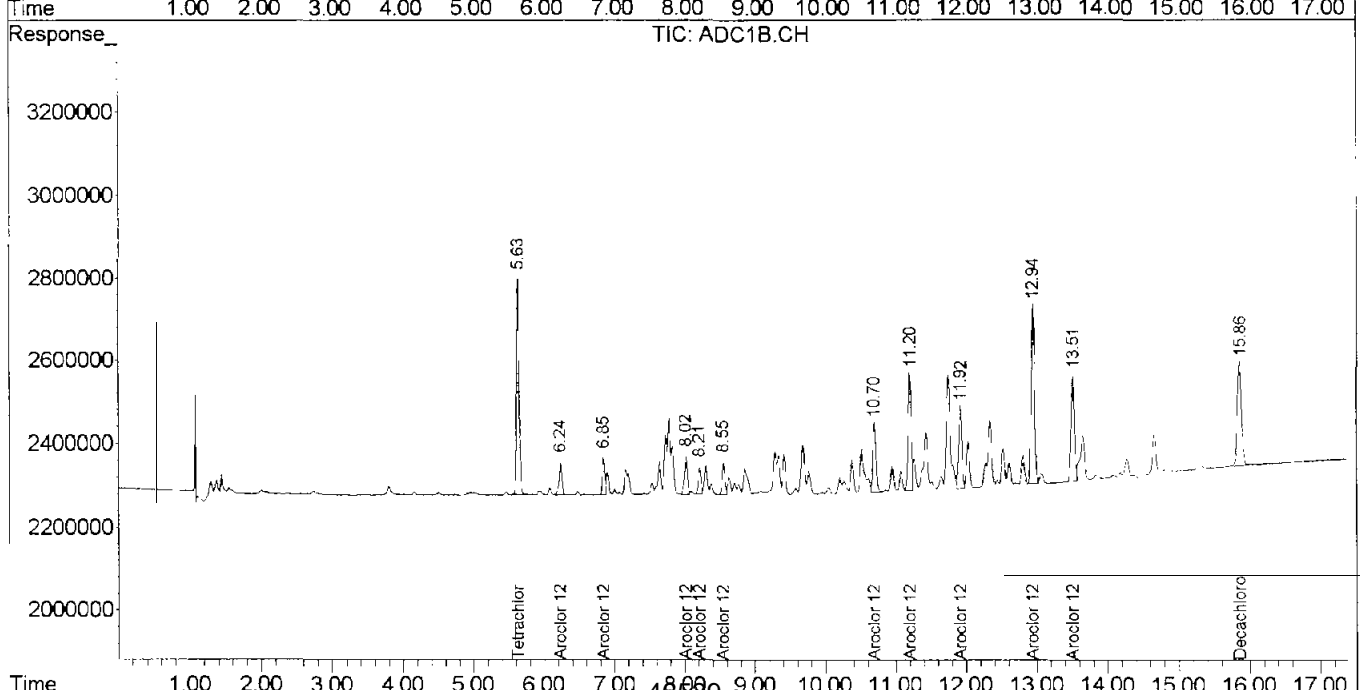
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2588.D\ADC1A.CH Vial: 28
Signal #2 : Z:\DATA\PB113004\PCB2588.D\ADC1B.CH
Acq On : 1 Dec 2004 11:22 pm Operator: STM
Sample : 100ng/ml 1242/1260 ccv 561-160-1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:48 2004 Quant Results File: 42601130.RES

Quant Method : H:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





METHOD BLANK

01245

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2644.D\ADC1A.CH Vial: 5
Signal #2 : Z:\DATA\PB113004\PCB2644.D\ADC1B.CH
Acq On : 2 Dec 2004 6:01 pm Operator: STM
Sample : PB0859 mb #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 09:59:04 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.62	45811080	26470890	18.812	19.196
Spiked Amount 20.000			Recovery	=	94.06%	95.98%
14) S Decachlorobiphen	14.29	15.84	49102914	24238895	25.842	25.715
Spiked Amount 20.000			Recovery	=	129.21%	128.57%
Target Compounds						
2) L3 Aroclor 1242	5.93	6.18	62036	481701	0.995	20.531 #
3) L3 Aroclor 1242 {2}	6.84	6.89	34583	127867	N.D.	5.991 #
4) L3 Aroclor 1242 {3}	7.61	0.00	144463	0	3.351	N.D. #
5) L3 Aroclor 1242 {4}	7.80	8.20	63126	115531	1.703	N.D. #
6) L3 Aroclor 1242 {5}	8.24	0.00	246211	0	N.D.	N.D.
7) L3 Aroclor 1242 - T	0.00	0.00	550419	725099	N.D. m	N.D. m
8) L4 Aroclor 1260	9.28	10.66	467383	70858	4.577	1.424 #
9) L4 Aroclor 1260 {2}	0.00	11.19	0	13838	N.D.	0.159 #
10) L4 Aroclor 1260 {3}	9.82	0.00	114031	0	0.582	N.D. #
11) L4 Aroclor 1260 {4}	11.16	0.00	197108	0	1.642	N.D. #
12) L4 Aroclor 1260 {5}	11.56	0.00	1795834	0	5.518	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	2574357	84696	3.044m	0.203m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

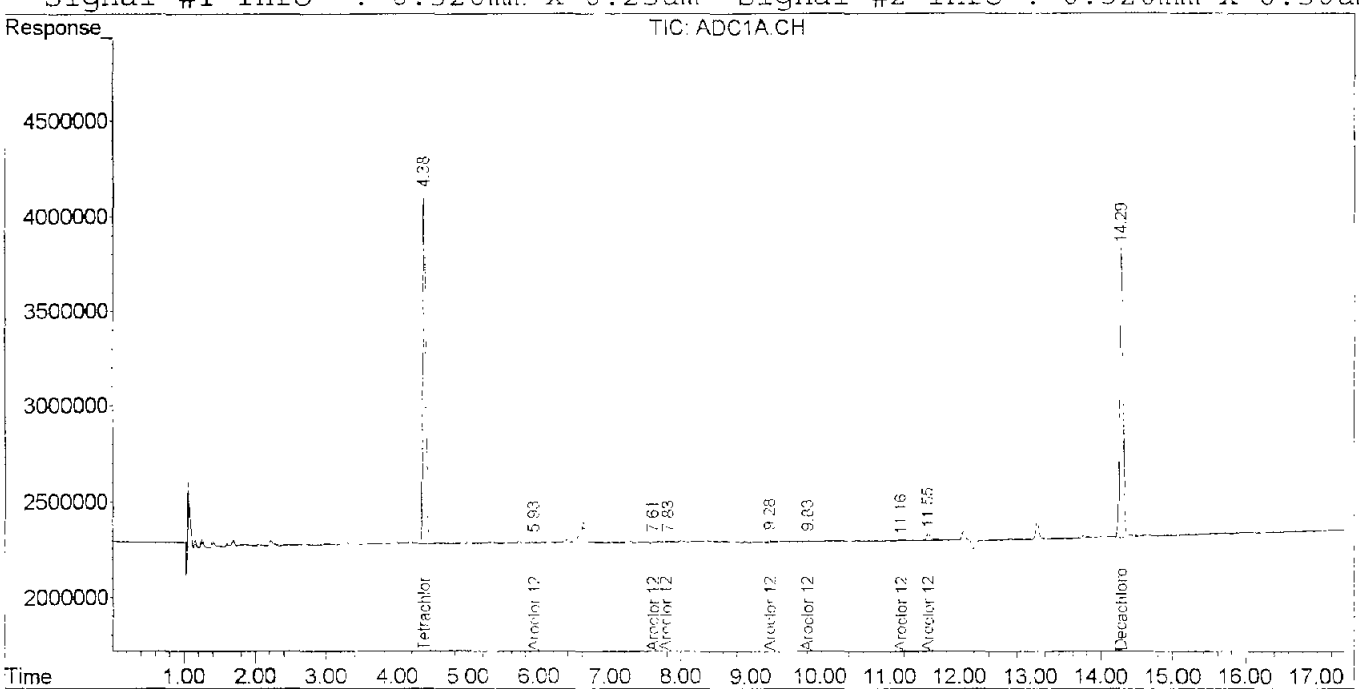
01246

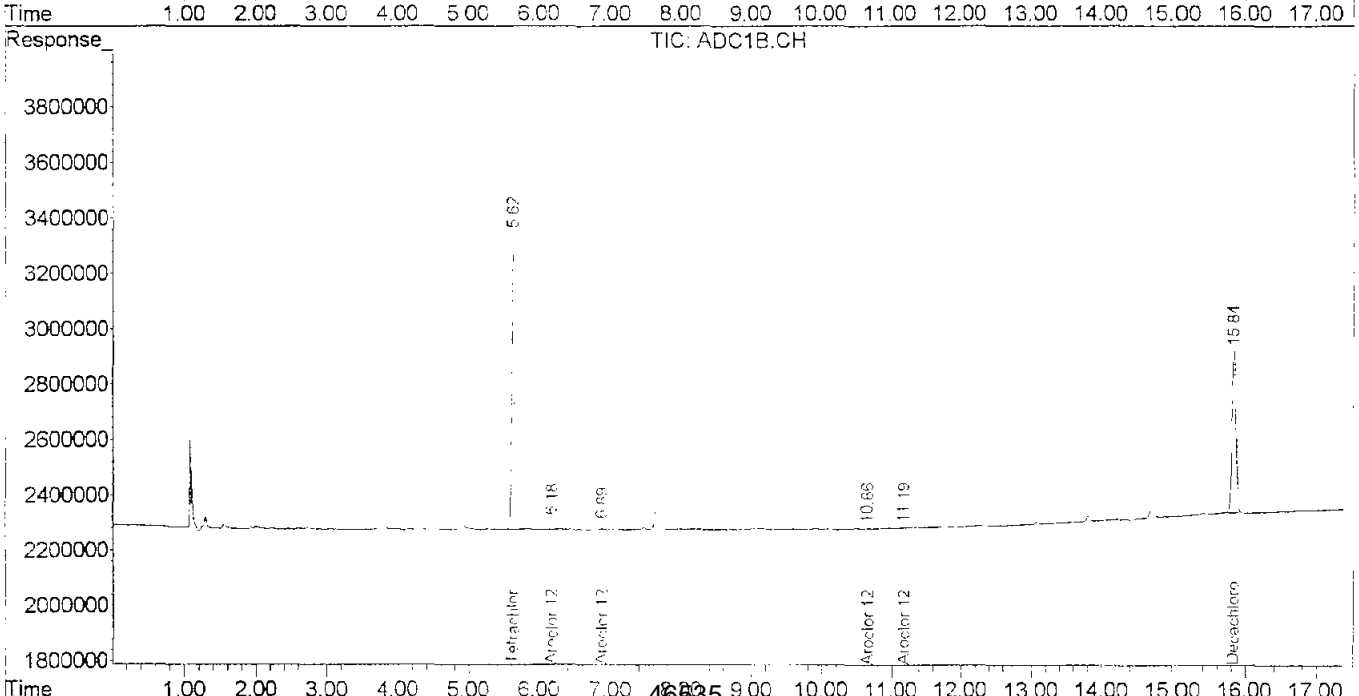
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2644.D\ADC1A.CH Vial: 5
Signal #2 : Z:\DATA\PB113004\PCB2644.D\ADC1B.CH
Acq On : 2 Dec 2004 6:01 pm Operator: STM
Sample : PB0859 mb #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 9:59 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2578.D\ADC1A.CH Vial: 18
Signal #2 : Z:\DATA\PB113004\PCB2578.D\ADC1B.CH
Acq On : 1 Dec 2004 8:02 pm Operator: STM
Sample : PBW0304 mb liquid #1000 &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:47 2004 Quant Results File: 42601130.RES

Quant Method : H:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.63	42583669	24077415	17.486	17.461
Spiked Amount 20.000			Recovery	=	87.43%	87.30%
14) S Decachlorobiphen	14.30	15.85	48221162	23392431	25.355	24.752
Spiked Amount 20.000			Recovery	=	126.77%	123.76%
Target Compounds						
2) L3 Aroclor 1242	5.92	6.19	92489	550248	1.484	23.453 #
3) L3 Aroclor 1242 {2}	6.83	6.82	397136	211354	N.D.	9.903 #
4) L3 Aroclor 1242 {3}	7.62	0.00	132357	0	3.070	N.D. #
5) L3 Aroclor 1242 {4}	7.82	8.22	28061	108792	0.757	N.D. #
6) L3 Aroclor 1242 {5}	8.23	0.00	117531	0	N.D.	N.D.
7) L3 Aroclor 1242 - T	0.00	0.00	767574	870394	N.D. m	N.D. m
8) L4 Aroclor 1260	9.28	10.68	1385970	233525	13.572	4.692 #
9) L4 Aroclor 1260 {2}	9.49	0.00	1879987	0	18.403	N.D. #
10) L4 Aroclor 1260 {3}	9.79	11.96	2195539	343312	11.208	N.D. #
11) L4 Aroclor 1260 {4}	11.13	0.00	564247	0	4.699	N.D. #
12) L4 Aroclor 1260 {5}	11.57	0.00	932332	0	2.865	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	6958076	576837	8.228m	1.380m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

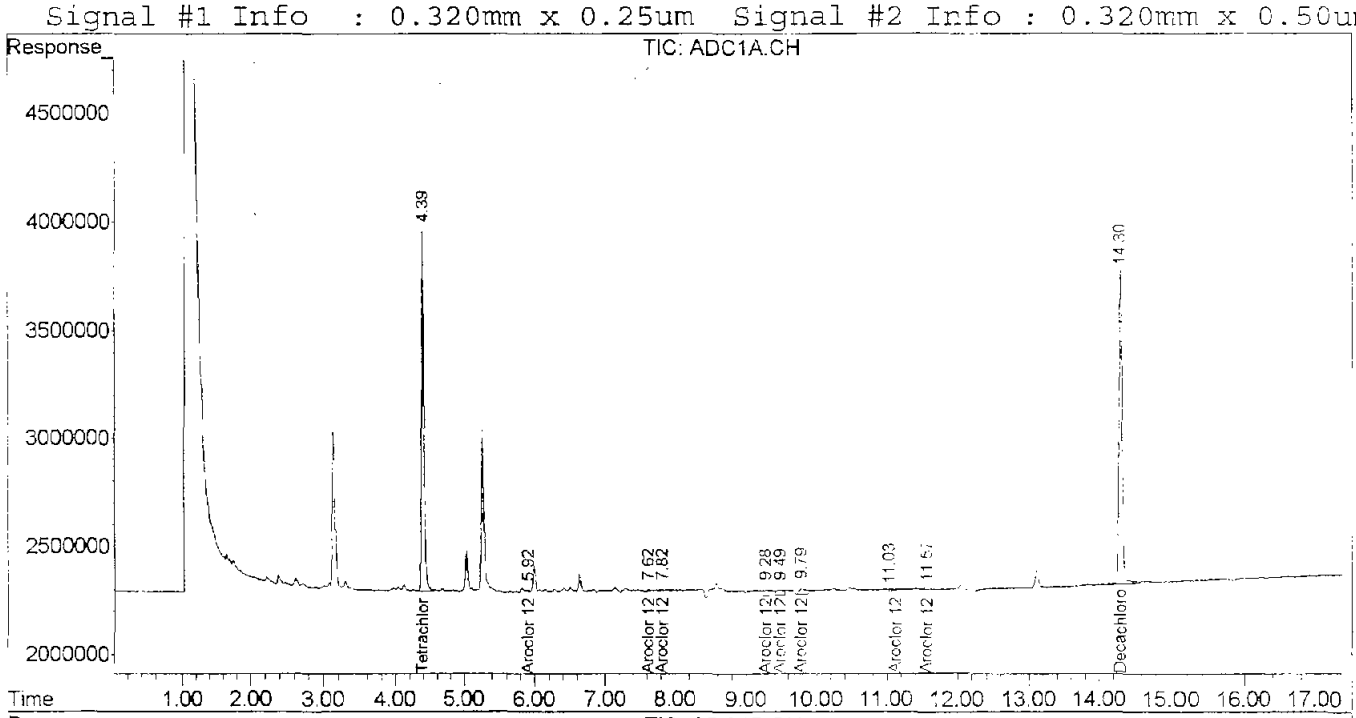
01248

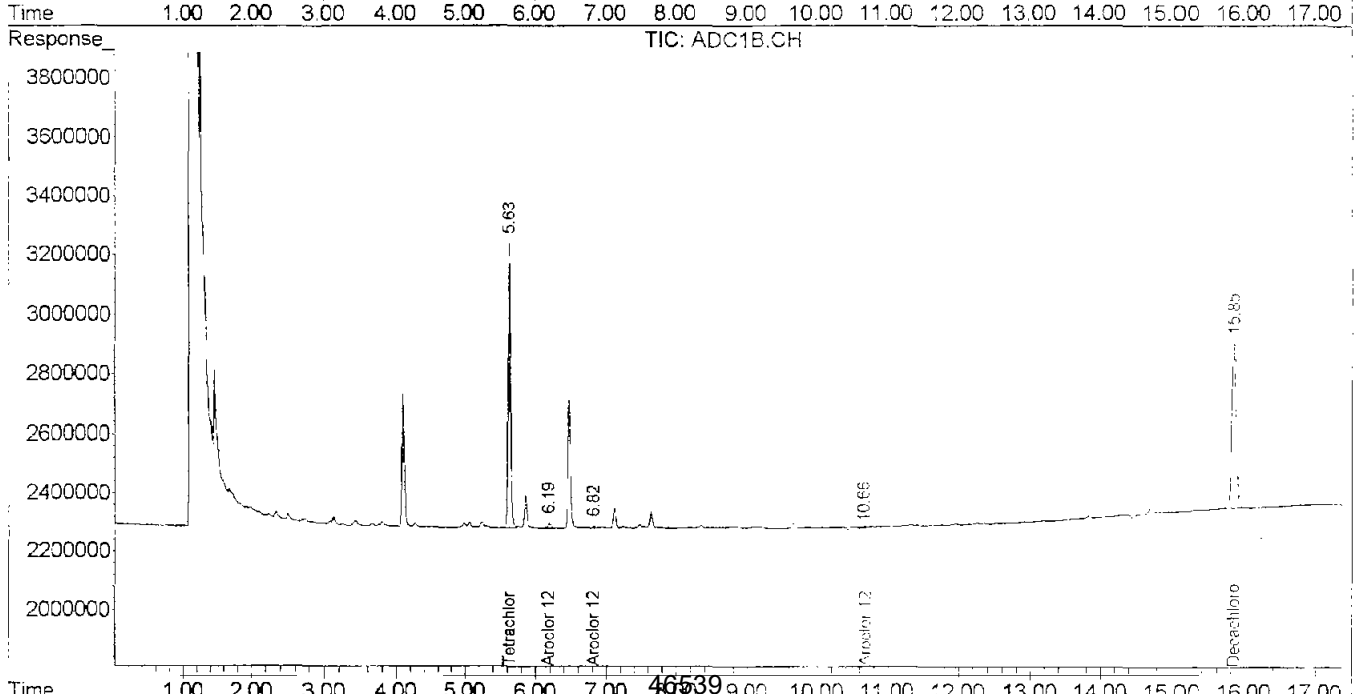
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2578.D\ADC1A.CH Vial: 18
Signal #2 : Z:\DATA\PB113004\PCB2578.D\ADC1B.CH
Acq On : 1 Dec 2004 8:02 pm Operator: STM
Sample : PBW0304 mb liquid #1000 &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:47 2004 Quant Results File: 42601130.RES

Quant Method : H:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





BLANK SPIKE

01250

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2645.D\ADC1A.CH Vial: 6
Signal #2 : Z:\DATA\PB113004\PCB2645.D\ADC1B.CH
Acq On : 2 Dec 2004 6:21 pm Operator: STM
Sample : PB0859 bs #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 09:59:35 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

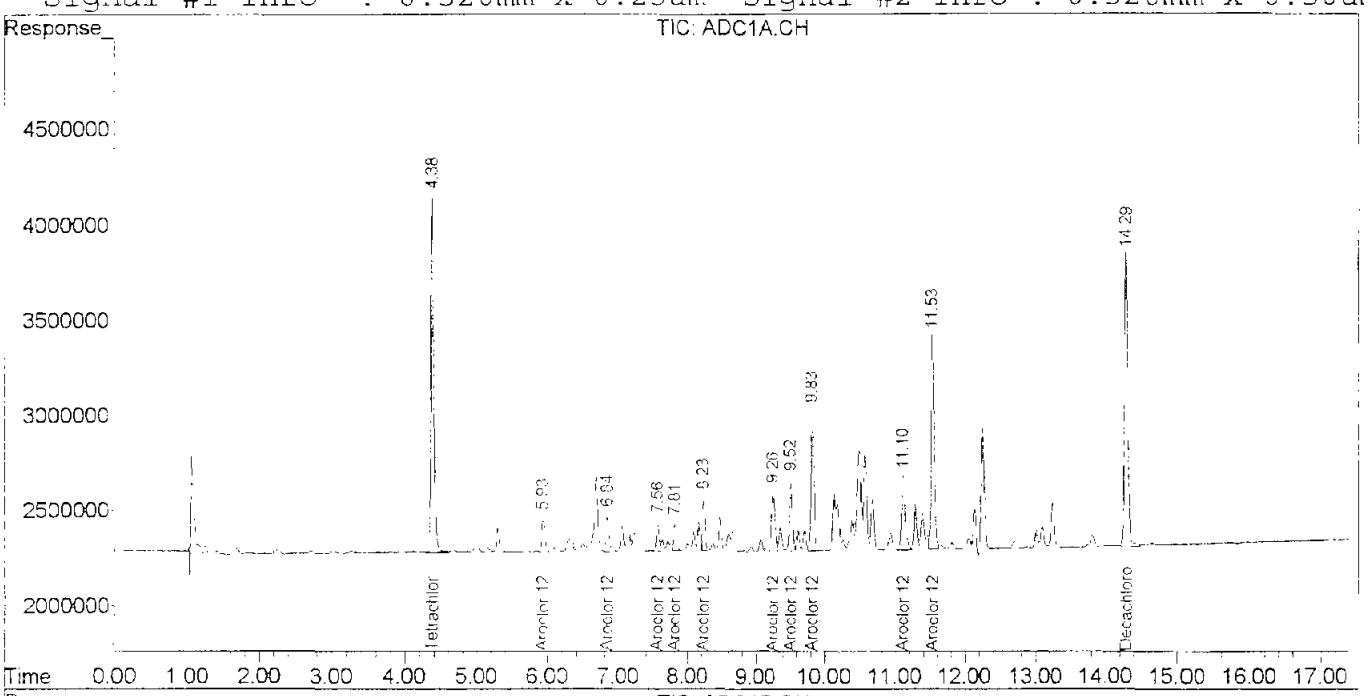
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.62	46994314	26716538	19.297	19.375
Spiked Amount 20.000			Recovery	=	96.48%	96.88%
14) S Decachlorobiphen	14.29	15.83	49262143	24581523	25.930	26.104
Spiked Amount 20.000			Recovery	=	129.65%	130.52%
Target Compounds						
2) L3 Aroclor 1242	5.93	6.22	5610079	2422976	90.023	103.272
3) L3 Aroclor 1242 {2}	6.84	6.83	5781596	2163474	97.069	101.370
4) L3 Aroclor 1242 {3}	7.56	8.01	3844009	2738513	89.162	103.923
5) L3 Aroclor 1242 {4}	7.81	8.20	3855677	1695824	104.031	104.455
6) L3 Aroclor 1242 {5}	8.23	8.53	7336874	2060959	98.563	104.835
7) L3 Aroclor 1242 - T	0.00	0.00	26428235	11081746	98.269m	105.603m
8) L4 Aroclor 1260	9.26	10.68	11347649	5600888	111.117	112.541
9) L4 Aroclor 1260 {2}	9.52	11.19	10987298	9669384	107.555	111.335
10) L4 Aroclor 1260 {3}	9.83	11.90	21520856	7221480	109.858	121.220
11) L4 Aroclor 1260 {4}	11.10	12.92	13701685	16032678	114.107	116.969
12) L4 Aroclor 1260 {5}	11.53	13.49	34207268	9514095	105.109	122.463
13) L4 Aroclor 1260 - T	0.00	0.00	91764755	48038526	108.508m	114.936m

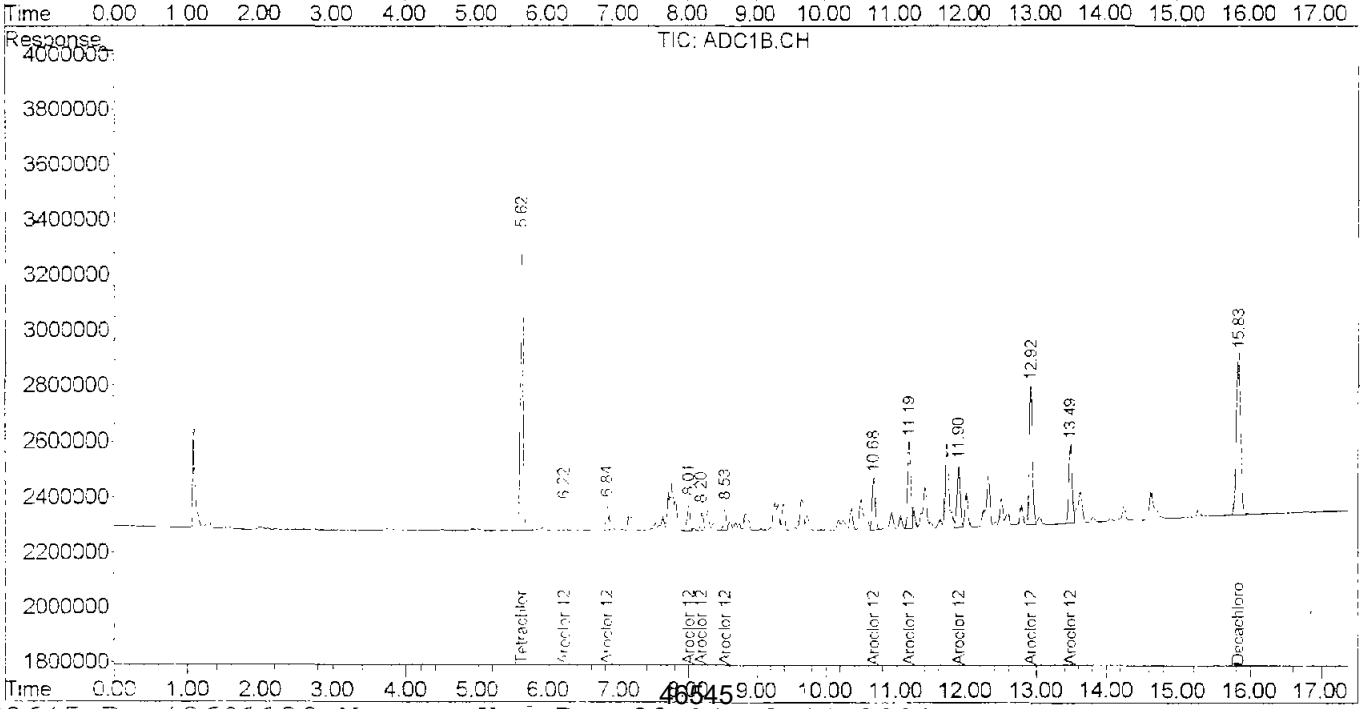
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2645.D\ADC1A.CH Vial: 6
Signal #2 : Z:\DATA\PB113004\PCB2645.D\ADC1B.CH
Acq On : 2 Dec 2004 6:21 pm Operator: STM
Sample : PB0859 bs #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 9:59 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2646.D\ADC1A.CH Vial: 7
Signal #2 : Z:\DATA\PB113004\PCB2646.D\ADC1B.CH
Acq On : 2 Dec 2004 6:41 pm Operator: STM
Sample : PB0859 bsd #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 09:59:41 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.61	46255303	26490861	18.994	19.211
Spiked Amount 20.000			Recovery	=	94.97%	96.05%
14) S Decachlorobiphen	14.28	15.83	49785582	24566640	26.220	26.088
Spiked Amount 20.000			Recovery	=	131.10%	130.44%
Target Compounds						
2) L3 Aroclor 1242	5.93	6.21	5745459	2331919	92.196	99.391
3) L3 Aroclor 1242 {2}	6.83	6.83	5801138	2185570	97.443	102.405
4) L3 Aroclor 1242 {3}	7.56	8.00	3745617	2691739	86.880	101.987
5) L3 Aroclor 1242 {4}	7.80	8.19	3919924	1633889	105.764	100.090
6) L3 Aroclor 1242 {5}	8.22	8.53	7214288	2079527	96.650	105.877
7) L3 Aroclor 1242 - T	0.00	0.00	26426426	10922645	98.261m	103.933m
8) L4 Aroclor 1260	9.26	10.67	11133485	5573539	109.020	111.991
9) L4 Aroclor 1260 {2}	9.51	11.18	10986950	9712845	107.551	111.836
10) L4 Aroclor 1260 {3}	9.82	11.89	21610634	7246170	110.316	121.670
11) L4 Aroclor 1260 {4}	11.10	12.92	13786053	16125546	114.810	117.647
12) L4 Aroclor 1260 {5}	11.53	13.48	34359995	9575710	105.579	123.257
13) L4 Aroclor 1260 - T	0.00	0.00	91877117	48233811	108.641m	115.403m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

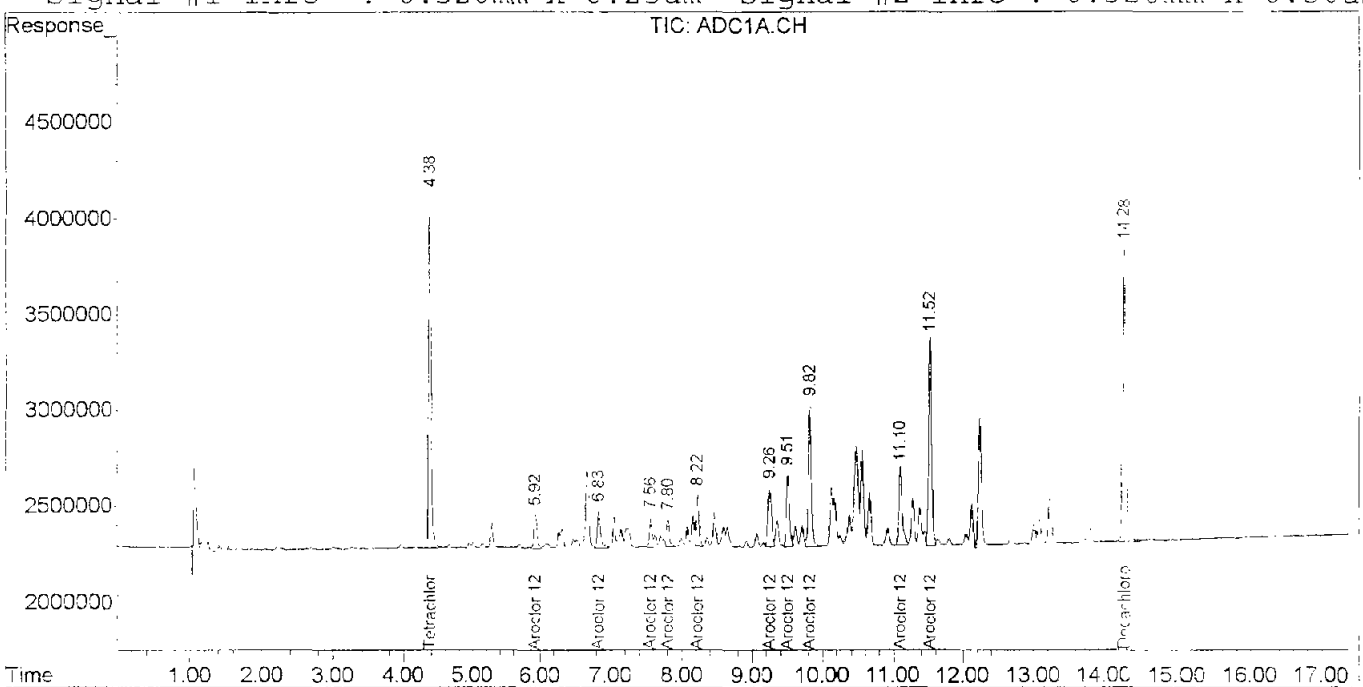
01253

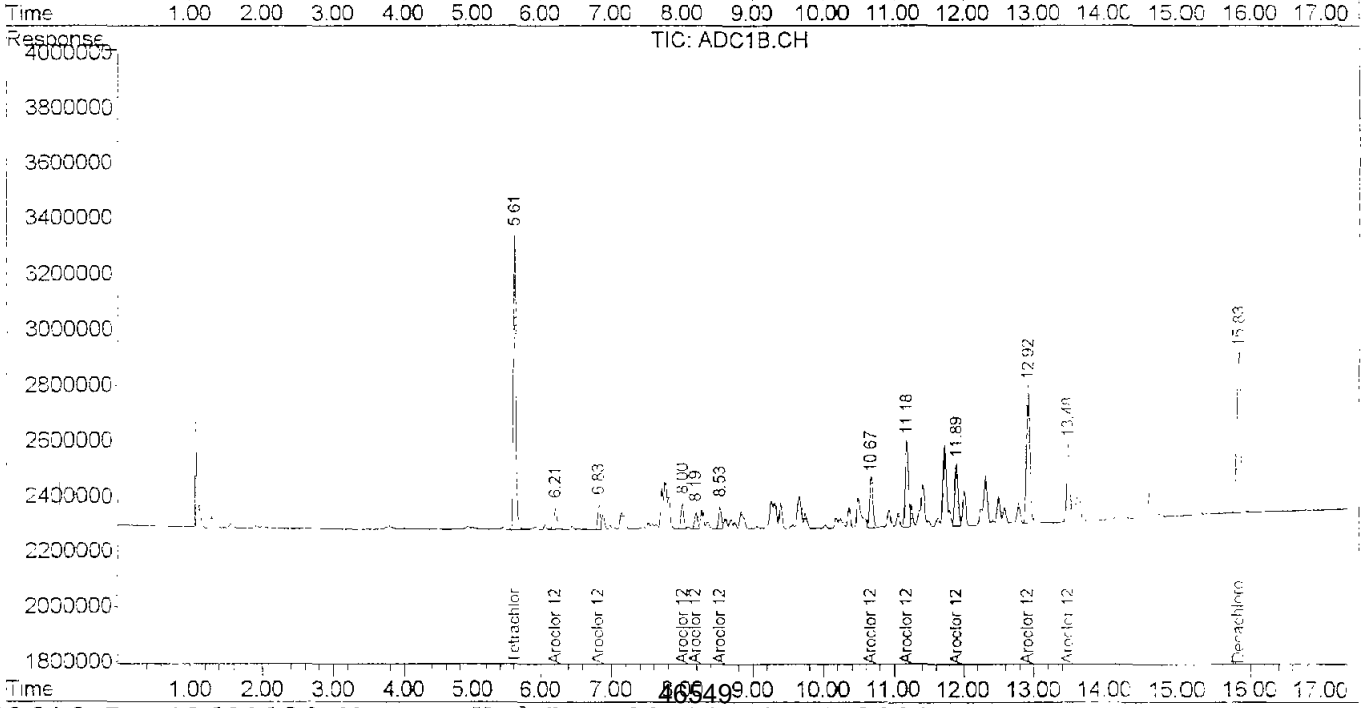
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2646.D\ADC1A.CH Vial: 7
Signal #2 : Z:\DATA\PB113004\PCB2646.D\ADC1B.CH
Acq On : 2 Dec 2004 6:41 pm Operator: STM
Sample : PB0859 bsd #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 9:59 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2579.D\ADC1A.CH Vial: 19
Signal #2 : Z:\DATA\PB113004\PCB2579.D\ADC1B.CH
Acq On : 1 Dec 2004 8:22 pm Operator: STM
Sample : PBW0304 bs liquid #1000 &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 02 14:57:59 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.63	43963152	24655840	18.053	17.880
Spiked Amount 20.000			Recovery	=	90.27%	89.40%
14) S Decachlorobiphen	14.30	15.85	47175155	23820595	24.776	25.239
Spiked Amount 20.000			Recovery	=	123.88%	126.20%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.23	4603944	2222888	73.878	94.744
3) L3 Aroclor 1242 {2}	6.85	6.84	4613947	2446429	74.689	114.627 #
4) L3 Aroclor 1242 {3}	7.58	8.02	3340403	2470751	77.481	92.840
5) L3 Aroclor 1242 {4}	7.82	8.21	3624694	1508652	97.799	91.264
6) L3 Aroclor 1242 {5}	8.24	8.55	7869637	1821387	106.879	91.393
7) L3 Aroclor 1242 - T	0.00	0.00	24052625	10470107	88.305m	99.183m
8) L4 Aroclor 1260	9.28	10.69	11303947	5562526	110.689	111.770
9) L4 Aroclor 1260 {2}	9.53	11.20	11011901	9051848	107.795	104.225
10) L4 Aroclor 1260 {3}	9.84	11.92	21327337	6787858	108.870	113.307
11) L4 Aroclor 1260 {4}	11.12	12.94	12734985	14491944	106.057	105.729
12) L4 Aroclor 1260 {5}	11.55	13.51	30682825	8583552	94.280	110.486
13) L4 Aroclor 1260 - T	0.00	0.00	87060995	44477728	102.946m	106.416m

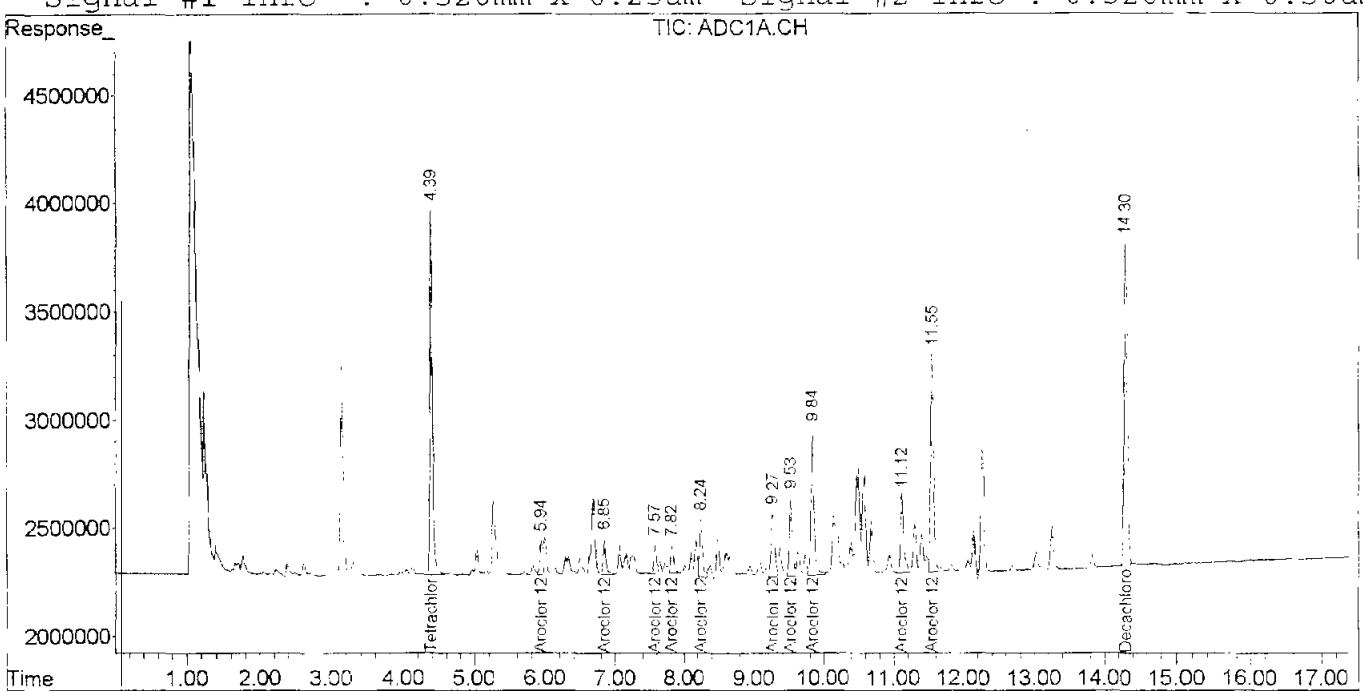
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

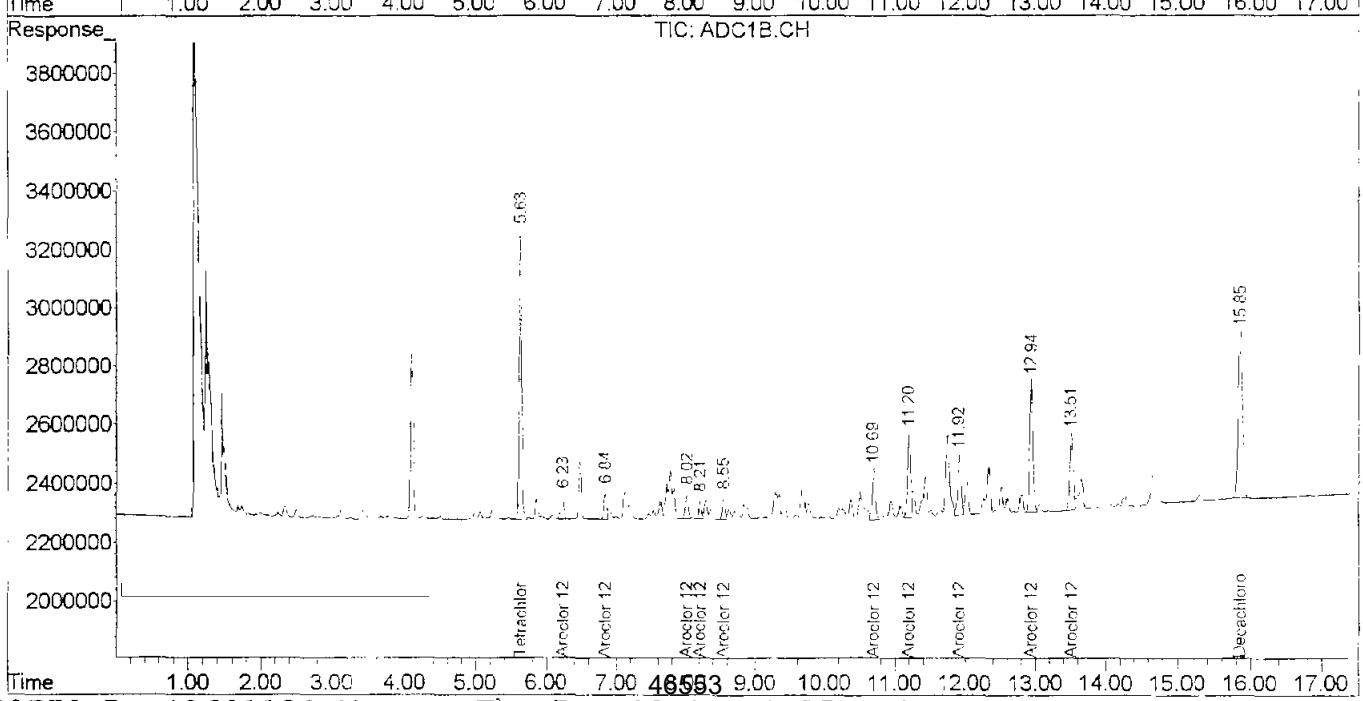
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2579.D\ADC1A.CH Vial: 19
Signal #2 : Z:\DATA\PB113004\PCB2579.D\ADC1B.CH
Acq On : 1 Dec 2004 8:22 pm Operator: STM
Sample : PBW0304 bs liquid #1000 &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 14:57 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01256

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2580.D\ADC1A.CH Vial: 20
Signal #2 : Z:\DATA\PB113004\PCB2580.D\ADC1B.CH
Acq On : 1 Dec 2004 8:42 pm Operator: STM
Sample : PBW0304 bsd liquid #1000 &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 02 14:58:23 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.38	5.62	44985896	25179888	18.473	18.260
	Spiked Amount 20.000			Recovery	=	92.36%	91.30%
14)	S Decachlorobiphen	14.29	15.83	47481441	24054205	24.946	25.505
	Spiked Amount 20.000			Recovery	=	124.73%	127.53%
	Target Compounds						
2)	L3 Aroclor 1242	5.93	6.22	7797167	2181176	125.119	92.966
3)	L3 Aroclor 1242 {2}	6.83	6.82	4410243	4854864	70.784	~~227.475~~ #
4)	L3 Aroclor 1242 {3}	7.56	8.00	3347191	3059296	77.638	117.200 #
5)	L3 Aroclor 1242 {4}	7.80	8.19	3982091	1571908	107.442	95.722
6)	L3 Aroclor 1242 {5}	8.23	8.53	7815444	1868742	106.033	94.050
7)	L3 Aroclor 1242 - T	0.00	0.00	27352136	13535985	102.144m	~~131.362~~m
8)	L4 Aroclor 1260	9.26	10.68	11073652	5746673	108.434	115.470
9)	L4 Aroclor 1260 {2}	9.51	11.18	10450794	9300734	102.303	107.091
10)	L4 Aroclor 1260 {3}	9.82	11.90	20295034	6852914	103.600	114.494
11)	L4 Aroclor 1260 {4}	11.10	12.92	12696616	14907871	105.737	108.763
12)	L4 Aroclor 1260 {5}	11.53	13.49	31695158	8919455	97.390	114.809
13)	L4 Aroclor 1260 - T	0.00	0.00	86211255	45727647	101.941m	109.407m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

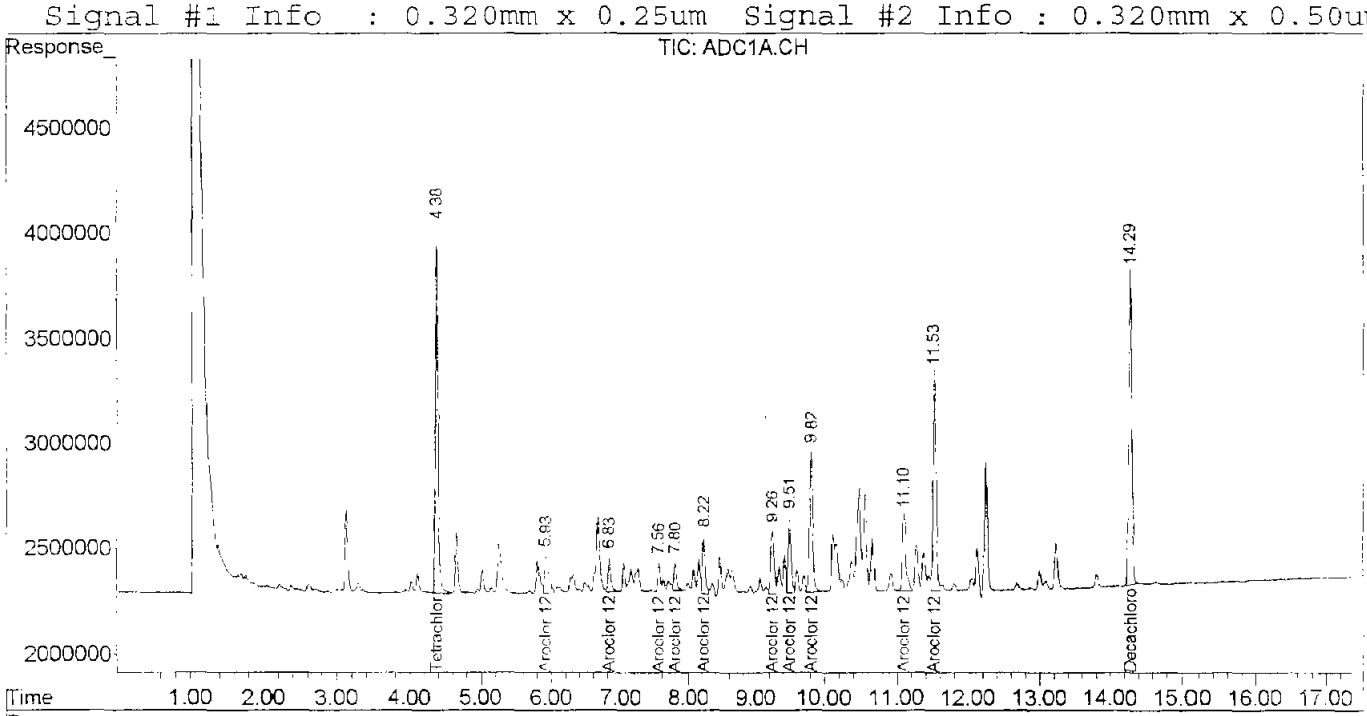
01257

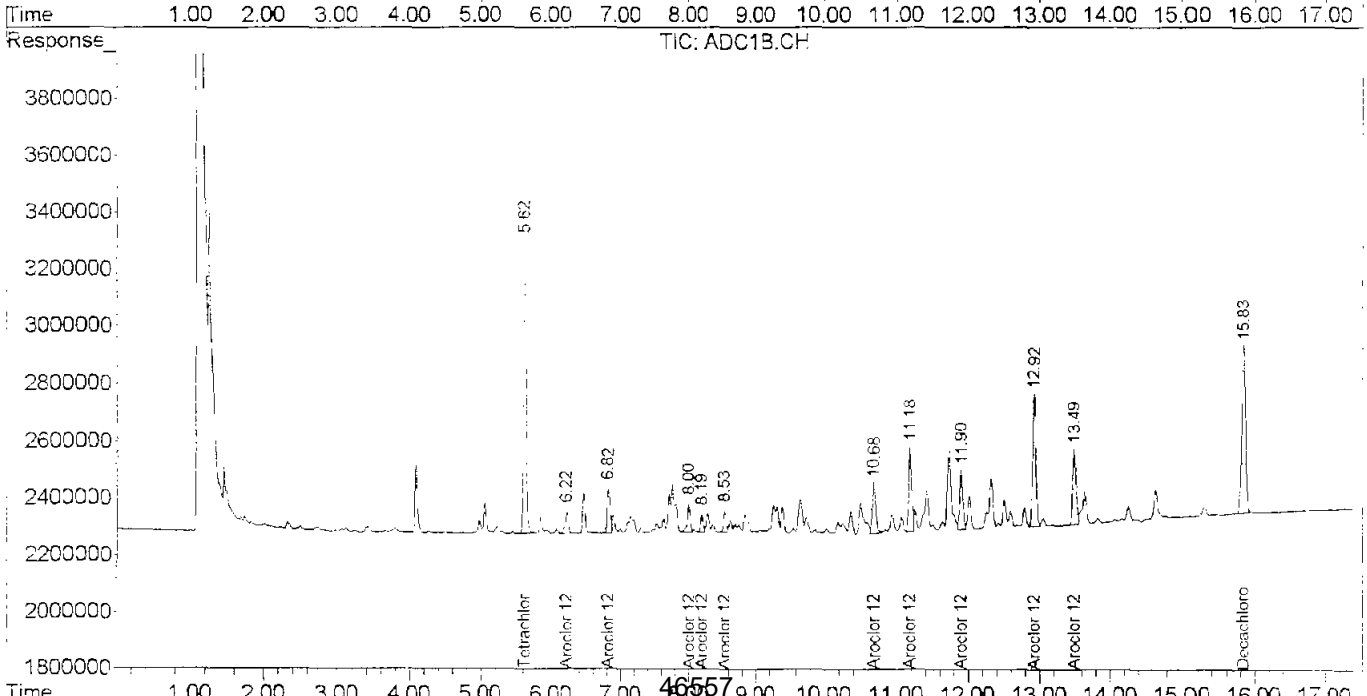
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2580.D\ADC1A.CH Vial: 20
Signal #2 : Z:\DATA\PB113004\PCB2580.D\ADC1B.CH
Acq On : 1 Dec 2004 8:42 pm Operator: STM
Sample : PBW0304 bsd liquid #1000 &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 14:58 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





46557

01258

MATIX SPIKE / MATRIX SPIKE DUPLICATE

01259

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2651.D\ADC1A.CH Vial: 12
Signal #2 : Z:\DATA\PB113004\PCB2651.D\ADC1B.CH
Acq On : 2 Dec 2004 8:21 pm Operator: STM
Sample : 125059-15 ms &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 10:00:09 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

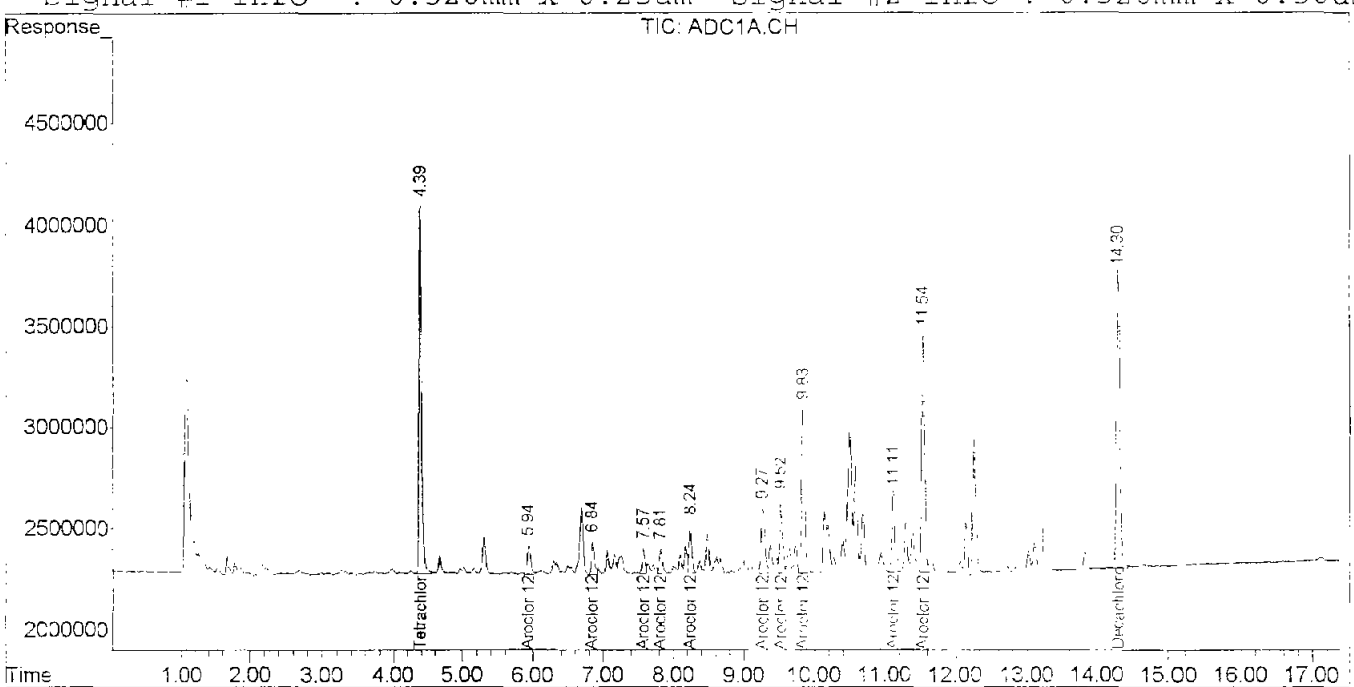
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.63	46308143	26206074	19.016	19.004
Spiked Amount 20.000			Recovery	=	95.08%	95.02%
14) S Decachlorobiphen	14.30	15.84	48358718	24229700	25.431	25.704
Spiked Amount 20.000			Recovery	=	127.16%	128.52%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.23	4996704	1915702	80.181	81.651
3) L3 Aroclor 1242 {2}	6.84	6.84	4539870	1774952	73.269	83.165
4) L3 Aroclor 1242 {3}	7.57	8.01	3260035	2210439	75.617	82.065
5) L3 Aroclor 1242 {4}	7.82	8.20	3689653	1625297	99.551	99.484
6) L3 Aroclor 1242 {5}	8.24	8.54	6491417	1658503	85.368	82.254
7) L3 Aroclor 1242 - T	0.00	0.00	22977679	9184892	83.797m	85.694m
8) L4 Aroclor 1260	9.27	10.69	11819013	5876294	115.733	118.075
9) L4 Aroclor 1260 {2}	9.52	11.19	10666735	10533103	104.417	121.280
10) L4 Aroclor 1260 {3}	9.84	11.91	23799244	7829490	121.488	132.314
11) L4 Aroclor 1260 {4}	11.11	12.93	13791328	17896461	114.854	130.567
12) L4 Aroclor 1260 {5}	11.54	13.50	35095251	9970028	107.838	128.332
13) L4 Aroclor 1260 - T	0.00	0.00	95171571	52105377	112.536m	124.666m

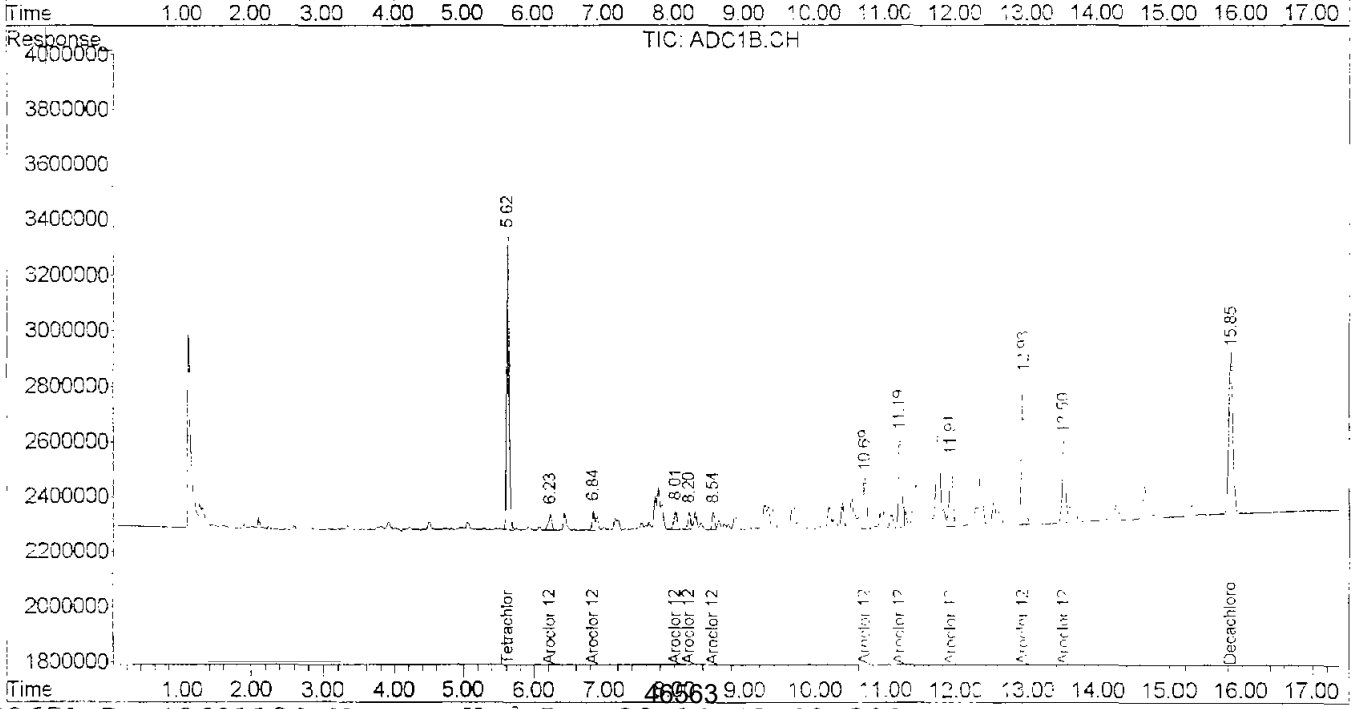
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2651.D\ADC1A.CH Vial: 12
Signal #2 : Z:\DATA\PB113004\PCB2651.D\ADC1B.CH
Acq On : 2 Dec 2004 8:21 pm Operator: STM
Sample : 125059-15 ms &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 10:00 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





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Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2652.D\ADC1A.CH Vial: 13
Signal #2 : Z:\DATA\PB113004\PCB2652.D\ADC1B.CH
Acq On : 2 Dec 2004 8:41 pm Operator: STM
Sample : 125059-15 msd &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 03 10:00:13 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Initial Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.38	5.62	47592001	26366425	19.543	19.121
Spiked Amount 20.000			Recovery	=	97.72%	95.60%
14) S Decachlorobiphen	14.29	15.84	48058290	24240222	25.265	25.716
Spiked Amount 20.000			Recovery	=	126.33%	128.58%
Target Compounds						
2) L3 Aroclor 1242	5.93	6.22	6247601	2143651	100.253	91.366
3) L3 Aroclor 1242 {2}	6.84	6.83	5370104	1821838	89.182	85.362
4) L3 Aroclor 1242 {3}	7.56	8.01	3779869	2454966	87.674	92.186
5) L3 Aroclor 1242 {4}	7.81	8.19	4888634	1760022	131.901	108.979
6) L3 Aroclor 1242 {5}	8.23	8.53	6650841	1834569	87.856	92.133
7) L3 Aroclor 1242 - T	0.00	0.00	26937049	10015046	100.403m	94.407m
8) L4 Aroclor 1260	9.26	10.68	11778218	5883343	115.333	118.216
9) L4 Aroclor 1260 {2}	9.51	11.19	10561718	10327018	103.389	118.908
10) L4 Aroclor 1260 {3}	9.83	11.90	23621469	7718002	120.581	130.280
11) L4 Aroclor 1260 {4}	11.10	12.92	13524425	17482966	112.631	127.550
12) L4 Aroclor 1260 {5}	11.53	13.49	34361837	9667272	105.584	124.435
13) L4 Aroclor 1260 - T	0.00	0.00	93847667	51078601	110.971m	122.209m

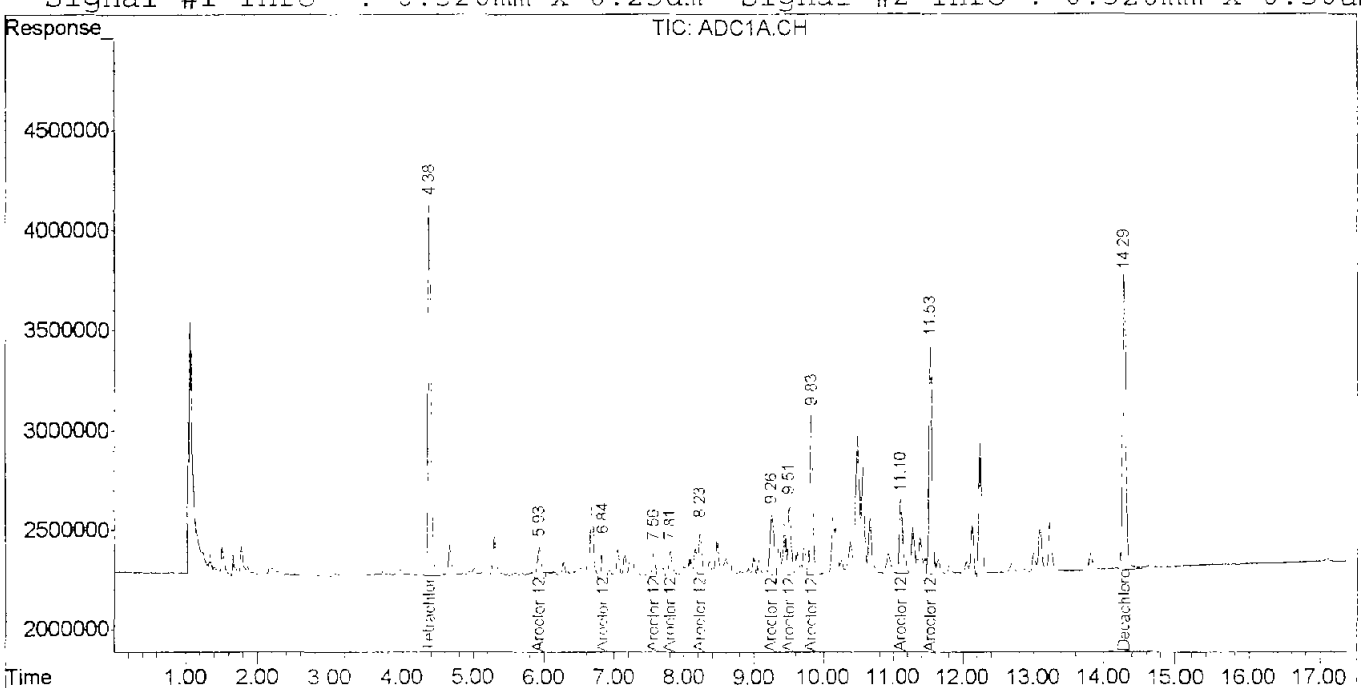
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

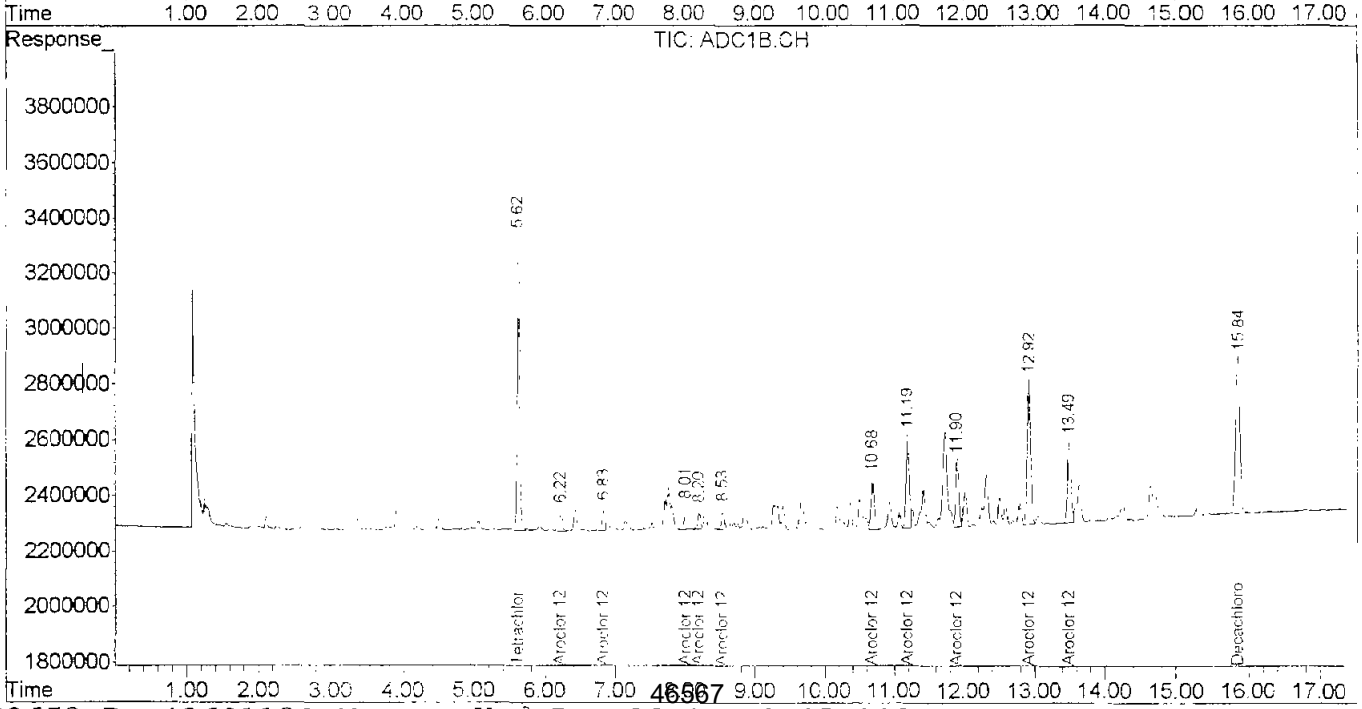
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2652.D\ADC1A.CH Vial: 13
Signal #2 : Z:\DATA\PB113004\PCB2652.D\ADC1B.CH
Acq On : 2 Dec 2004 8:41 pm Operator: STM
Sample : 125059-15 msd &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 3 10:00 2004 Quant Results File: 42601130.RES

Quant Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004
Response via : Multiple Level Calibration
DataAcq Meth : PCB_RUN.M

Volume Inj. : 1.5ul
Signal #1 Phase : DB-35MS Signal #2 Phase: DB-XLB
Signal #1 Info : 0.320mm x 0.25um Signal #2 Info : 0.320mm x 0.50um





01263

LABORATORY WORKSHEETS

01264

PCB's Worksheet - total

QC Level:Tier IV

Matrix:solid

Due: 12/08/04

Work Order - 125060

URS Corporation

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-3
Sample Weight/Volume
PCB's

Client Sample ID 041123SGA28SS
Date Received 11/24/2004
Date Sampled 1/23/2004 12:45:00 PM

Sample number 125060-4
Sample Weight/Volume
PCB's

Client Sample ID 041123SGA29SS
Date Received 11/24/2004
Date Sampled 11/23/2004 1:15:00 PM

Sample number 125060-5
Sample Weight/Volume
PCB's

Client Sample ID 041123SGA30SS
Date Received 11/24/2004
Date Sampled 11/23/2004 2:15:00 PM

Sample number 125060-6
Sample Weight/Volume
PCB's

Client Sample ID 041123SGA31SS
Date Received 11/24/2004
Date Sampled 11/23/2004 2:30:00 PM

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst ATM Date 12/12/04

Reviewed by [illegible] Date 46571 12/25/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01265

Printed - 11/30/04

PCB Analysis by USEPA Method 8082

QCBatch ID	PB0859		
Sample Matrix	Low Level Soil		
Surrogate Std. No.	1173-27-2		
8082 MS Spike No.	561-152-4	Weighed By/Date	
Hexane Lot Number	031411	Extracted By/Date	ATm 11/30/04
Acetone Lot No.	042323		
Na2SO4 Lot Number	Y49147		
H2SO4 Lot Number	042932		
Extraction Method	3550 Modified		

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	PB0859	10.0000	10.0	100	
Duplicate	none				
Duplicate-2	none				
Blank Spike	sPB0859	10.0000	10.0	100	100
Blank Spike Duplicate	dPB0859	10.0000	10.0	100	100
Matrix Spike	125059s15	10.5067	10.0	100	100
Matrix Spike Duplicate	125059d15	10.9442	10.0	100	100
Matrix Spike-2	none				
Matrix Spike Duplicate-2	none				

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)
125059-12	041122SGA14SS	10.2495	10.0	100
125059-13	041122SGA15SS	10.3416	10.0	100
125059-14	041122SGA16SS	10.7843	10.0	100
125059-15	041122SGA17SS	10.6027	10.0	100
125059-16	041122SGA18SS	10.4707	10.0	100
125059-17	041122SGA19SS	10.8630	10.0	100
125060-3	041123SGA28SS	10.7196	10.0	100
125060-4	041123SGA29SS	10.9280	10.0	100
125060-5	041123SGA30SS	10.6595	10.0	100
125060-6	041123SGA31SS	10.9861	10.0	100

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**PB0859**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**blank**

Related Blank: noblank

Sample weight (g)	**10**	=	0.01	/kg	Calc. Fact.	0.001
Extract volume (ml)	**10**	=	10	ml	Dry Weight	10 g
Dilution Factor	**1**	=	1		Sample Units	mg/kg
% Solids		=	1		Spike Factor	0.1
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001			
mg/kg Carbon		=	1		Blk Dil. Fact	
					Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	19.1965		96	**OK**		
x	Decachlorobiphenyl	25.7148	N	129	**HIGH**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: PB0859
QC Batch Number	**PB0859**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**bs**

Sample weight (g)	**10**	=	0.01 /kg	Calc. Fact.	0.001
Extract volume (ml)	**10**	=	10 ml	Dry Weight	10 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids		=	1	Spike Factor	0.1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	19.3746		96.9	**OK**		
x	Decachlorobiphenyl	26.1044	N	131	**HIGH**		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	105.603	C1		0.106	C1	0.01
x	Aroclor 1260	114.9358	C1		0.115	C1	0.01

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**PB0859**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**bsd**

Related Blank: PB0859

Sample weight (g)	**10**	=	0.01	/kg	Calc. Fact.	0.001
Extract volume (ml)	**10**	=	10	ml	Dry Weight	10 g
Dilution Factor	**1**	=	1		Sample Units	mg/kg
% Solids		=	1		Spike Factor	0.1
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001			
mg/kg Carbon		=	1		Blk Dil. Fact	
					Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	19.2109		96.1	**OK**		
x	Decachlorobiphenyl	26.0875	N	130	**HIGH**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Aroclor 1242	103.9331	C1		0.104	C1	0.01
x	Aroclor 1260	115.403	C1		0.115	C1	0.01

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**3**
QC Batch Number	**PB0859**
Client Sample ID	**041123SGA28SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0859

Sample weight (g)	**10.7196**	=	0.01072 /kg	Calc. Fact.	0.001066625
Extract volume (ml)	**10**	=	10 ml	Dry Weight	9.37536216 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**87.46**	=	0.8746	Spike Factor	0.106662546
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

x	**Surrogate**	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	19.1315		95.7	**OK**		
x	Decachlorobiphenyl	24.8017		124	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Aroclor 1260	11.188	C1		0.0119	C1	0.0107

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**4**
QC Batch Number	**PB0859**
Client Sample ID	**041123SGA29SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0859

Sample weight (g)	**10.928**	=	0.01093 /kg	Calc. Fact.	0.000982584
Extract volume (ml)	**10**	=	10 ml	Dry Weight	10.1772464 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**93.13**	=	0.9313	Spike Factor	0.098258405
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	19.9697		99.8	**OK**		
x	Decachlorobiphenyl	24.7321		124	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

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STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**5**
QC Batch Number	**PB0859**
Client Sample ID	**041123SGA30SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0859

Sample weight (g)	**10.6595**	=	0.01066 /kg	Calc. Fact.	0.001178112
Extract volume (ml)	**10**	=	10 ml	Dry Weight	8.48815985 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**79.63**	=	0.7963	Spike Factor	0.117811165
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	18.9415		94.7	**OK**		
x	Decachlorobiphenyl	24.7358		124	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1260	5.4303	C1		0.0064	J C1	0.0118

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**6**
QC Batch Number	**PB0859**
Client Sample ID	**041123SGA31SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-03-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: PB0859

Sample weight (g)	**10.9861**	=	0.01099 /kg	Calc. Fact.	0.001176782
Extract volume (ml)	**10**	=	10 ml	Dry Weight	8.49774835 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**77.35**	=	0.7735	Spike Factor	0.117678232
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	18.7444		93.7	**OK**		
x	Decachlorobiphenyl	24.8131		124	**OK**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125059**
Sample Number	**15**
QC Batch Number	**PB0859**
Client Sample ID	**041122SGA17SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**ms**

Related Blank: PB0859

Sample weight (g)	**10.5067**	=	0.01051 /kg	Calc. Fact.	0.001104658
Extract volume (ml)	**10**	=	10 ml	Dry Weight	9.05257272 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**86.16**	=	0.8616	Spike Factor	0.110465835
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	19.0044		95	**OK**		
x	Decachlorobiphenyl	25.7043	N	129	**HIGH**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Aroclor 1242	85.6944	C1		0.0947	C1	0.011
x	Aroclor 1260	124.666	C1		0.138	C1	0.011

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125059**
Sample Number	**15**
QC Batch Number	**PB0859**
Client Sample ID	**041122SGA17SS**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**msd**

Related Blank: PB0859

Sample weight (g)	**10.9442**	=	0.01094 /kg	Calc. Fact.	0.001060499
Extract volume (ml)	**10**	=	10 ml	Dry Weight	9.42952272 g
Dilution Factor	**1**	=	1	Sample Units	mg/kg
% Solids	**86.16**	=	0.8616	Spike Factor	0.106049906
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

x	**Surrogate**	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	19.1207		95.6	**OK**		
x	Decachlorobiphenyl	25.7163	N	129	**HIGH**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Aroclor 1242	94.4073	C1		0.1	C1	0.0106
x	Aroclor 1260	122.2094	C1		0.13	C1	0.0106

PCB's Worksheet - total

QC Level:Tier IV

Matrix:Liquid

URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-11

Sample Weight/Volume

Client Sample ID	041123SGA16ERW
Date Received	11/24/2004
Date Sampled	**11/23/2004 5:20:00 PM**

PCB's

Samples are: Low Level ☑ Small Volume ☐ Normal ☐

Analyst FDM Date 12/2/04

Reviewed by Date 12-1-04

46593

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01276

Printed - 11/30/2004

PCB Analysis by USEPA Method 8082

QCBatch ID	PBW0304	pH2	pH7	pH12	
Sample Matrix	Liquid		XXX		
Surrogate Std. No.	561-148-1				
8082 MS Spike No.	561-154-3	Volume Measured By/Date rjc 11-30-04			11/30/2004
		Extracted By/Date rjc 11-30-04			
Na2SO4 Lot Number	Y49147	PCB's			
MeCl2 Lot Number	A35E08				
Hexane Lot Number	031408				
Extraction Method	3510 Sep. Funnel				
		Spike Witness Signature/Date			

QC Sample Type	QC Identifier	Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	PBW0304	1000	1	10	N/A
Duplicate					
Duplicate-2					
Blank Spike	sPBW0304	1000	1	10	10
Blank Spike Duplicate	dPBW0304	1000	1	10	10
Matrix Spike	125063s1	1058	1	10	
Matrix Spike Duplicate	125063d1	1055	1	10	
Matrix Spike-2					
Matrix Spike Duplicate-2					

Sample	Client Sample ID	Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	Comments
125060-11	41123SGA16ERV	972	1	10	
125063-1	DGSW06	1056	1	10	
125076-1	DGSW07	1058	1	10	

01277

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**11**
QC Batch Number	**PBW0304**
Client Sample ID	**41123SGA16ERW**
Date Received	**11-24-04**
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: PBW0304

Sample volume (ml)	**972**	=	0.972 /L	Calc. Fact.	0.001028807
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor	**1**	=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.028806584
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM		=	1		
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	13.9115		69.6	**OK**	32	134
x	Decachlorobiphenyl	25.2165		126	**OK**	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**PBW0304**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**blank**

Related Blank: noblank

Sample volume (ml)	**1000**	=	1	/L	Calc. Fact.	0.001
Extract volume (ml)	**1**	=	1	ml	Dry Weight	-
Dilution Factor	**1**	=	1		Sample Units	ug/L
% Solids		=	1		Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM		=	1			
mg/kg Carbon		=	1		Blk Dil. Fact	
					Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	17.4607		87.3	**OK**	32	134
x	Decachlorobiphenyl	24.7521		124	**OK**	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: PBW0304
QC Batch Number	**PBW0304**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**bs**

Sample volume (ml)	**1000**	=	1	/L	Calc. Fact.	0.001
Extract volume (ml)	**1**	=	1	ml	Dry Weight	-
Dilution Factor	**1**	=	1		Sample Units	ug/L
% Solids		=	1		Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM		=	1			
mg/kg Carbon		=	1		Blk Dil. Fact	
					Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	17.8802		89.4	**OK**	32	134
x	Decachlorobiphenyl	25.2391		126	**OK**	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	99.1835	C1		0.0992	C1	0.01
x	Aroclor 1260	106.4163	C1		0.106	C1	0.01

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: PBW0304
QC Batch Number	**PBW0304**
Client Sample ID	
Date Received	
Date Prepared	**11-30-04**
Date Analyzed	**12-01-04**
Sample matrix type	**liquid**
QC sample type	**bsd**

Sample volume (ml)	**1000**	=	1	/L	Calc. Fact.	0.001
Extract volume (ml)	**1**	=	1	ml	Dry Weight	-
Dilution Factor	**1**	=	1		Sample Units	ug/L
% Solids		=	1		Spike Factor	1
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM		=	1			
mg/kg Carbon		=	1		Blk Dil. Fact	
					Raw Dil. Fact	1

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Tetrachloro-m-xylene	18.2602		91.3	**OK**	32	134
x	Decachlorobiphenyl	25.5047		128	**OK**	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	99.985	C1		0.1	C1	0.01
x	Aroclor 1260	109.4068	C1		0.109	C1	0.01

NWTPH-Gx DATA PACKAGE

01282

SAMPLE DATA

01283

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13218.D Vial: 50
Acq On : 12-1-2004 07:36:53 AM Operator: crf
Sample : 125060-3 gb4029 Inst : Instrumen
Misc : Soil &10 #10.359 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:45:06 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

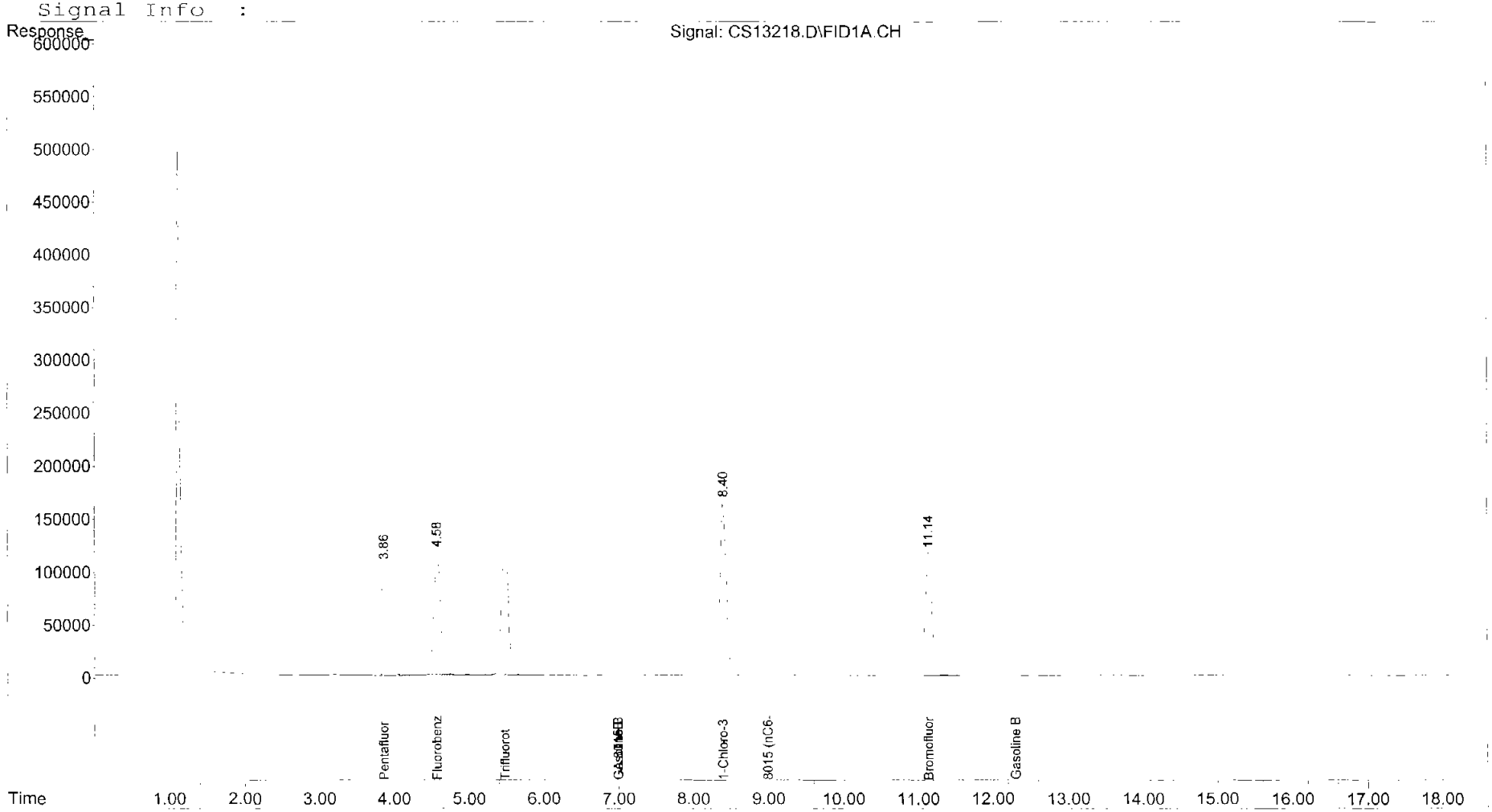
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6870763	38.525 ug/L
2) S Trifluorotoluene (S)	5.48	8133860	96.611 ug/L
Spiked Amount 100.000 Range 63 - 118		Recovery =	96.61%
3) S 1-Chloro-3-fluorobenzene(S	8.40	9414993	110.670 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	110.67%
4) S Bromofluorobenzene(S)	11.14	7269662	110.518 ug/L
Spiked Amount 100.000 Range 73 - 120		Recovery =	110.52%
5) S Pentafluorobenzene (S)	3.86	7697541	84.040 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	84.04%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	706158	13.488 ug/L
7) H Gasoline By AK101	7.00	1818924	31.638 ug/L
8) H 8015 (nC6-nC12)	9.00	1915679	26.189 ug/L
9) H CA 8015B	7.00	2266779	31.487 ug/L

Quantitation Report (Not Reviewed)

Data File : T:\2\DATA\11302004\CS13218.D Vial: 50
Acq On : 12-1-2004 07:36:53 AM Operator: crf
Sample : 125060-3 gb4029 Inst : Instrumen
Misc : Soil &10 #10.359 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 2 10:45 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46611

01285

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13219.D Vial: 51
Acq On : 12-1-2004 08:01:37 AM Operator: crf
Sample : 125060-4 gb4029 Inst : Instrumen
Misc : Soil &10 #10.056 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:45:08 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6857171	38.449 ug/L
2) S Trifluorotoluene (S)	5.48	8273334	97.863 ug/L
Spiked Amount 100.000 Range 63 - 118		Recovery =	97.86%
3) S 1-Chloro-3-fluorobenzene(S	8.40	9353298	109.945 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	109.95%
4) S Bromofluorobenzene(S)	11.14	7229643	109.910 ug/L
Spiked Amount 100.000 Range 73 - 120		Recovery =	109.91%
5) S Pentafluorobenzene (S)	3.86	7517315	82.904 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	82.90%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	662034	<MDL ug/L
7) H Gasoline By AK101	7.00	1856545	32.292 ug/L
8) H 8015 (nC6-nC12)	9.00	1931009	26.398 ug/L
9) H CA 8015B	7.00	2188188	30.395 ug/L

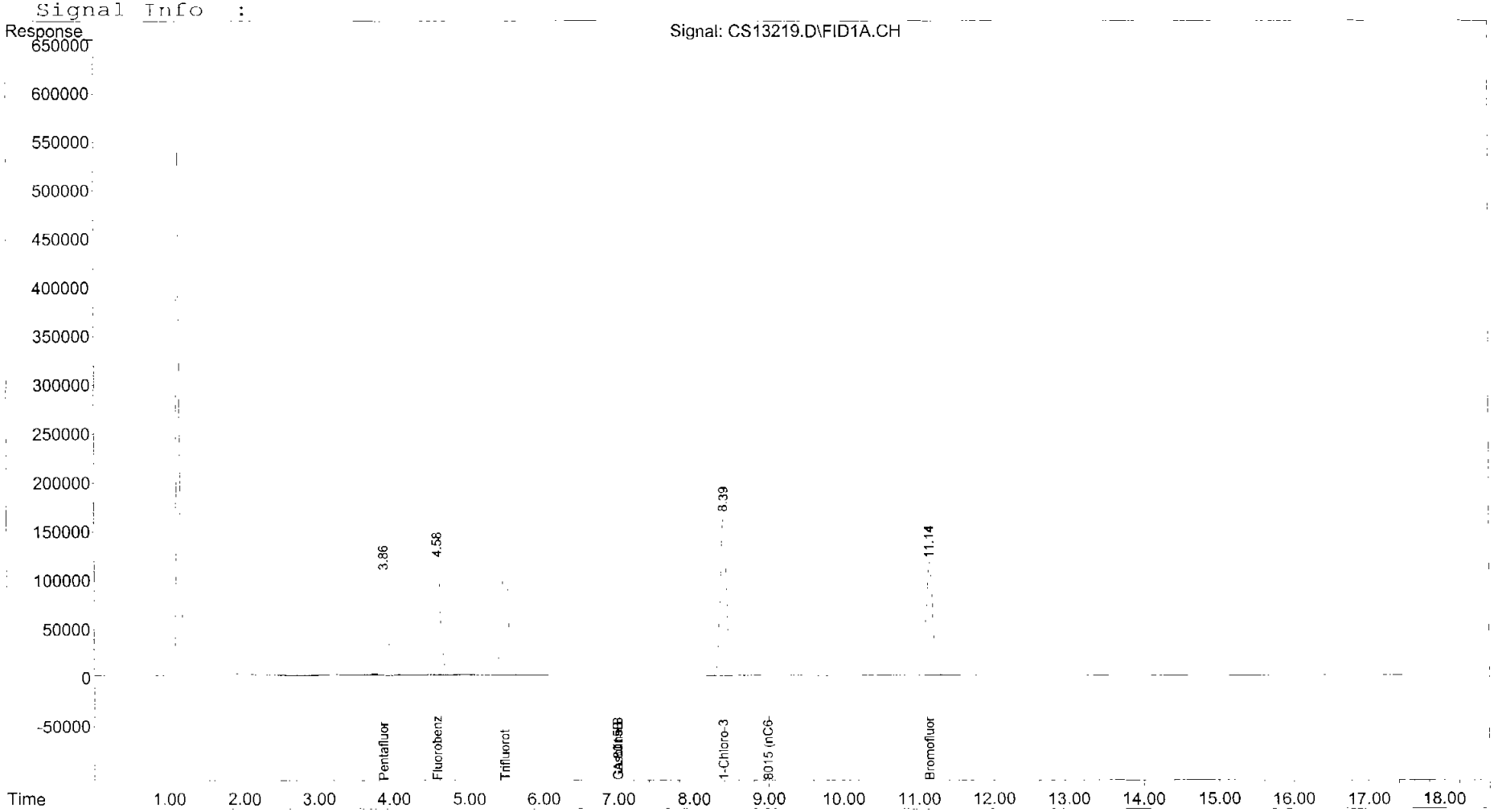
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13219.D
Acq On : 12-1-2004 08:01:37 AM
Sample : 125060-4 gb4029
Misc : Soil &10 #10.056
IntFile : events.e
Quant Time: Dec 2 10:45 2004 Quant Results File: GAS_10132004.RES

Vial: 51
Operator: crf
Inst : Instrumen
Multiplr: 1.00

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46615

01287

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13220.D Vial: 52
Acq On : 12-1-2004 08:26:16 AM Operator: crf
Sample : 125060-6 gb4029 Inst : Instrumen
Misc : Soil &10 #10.011 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:45:11 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

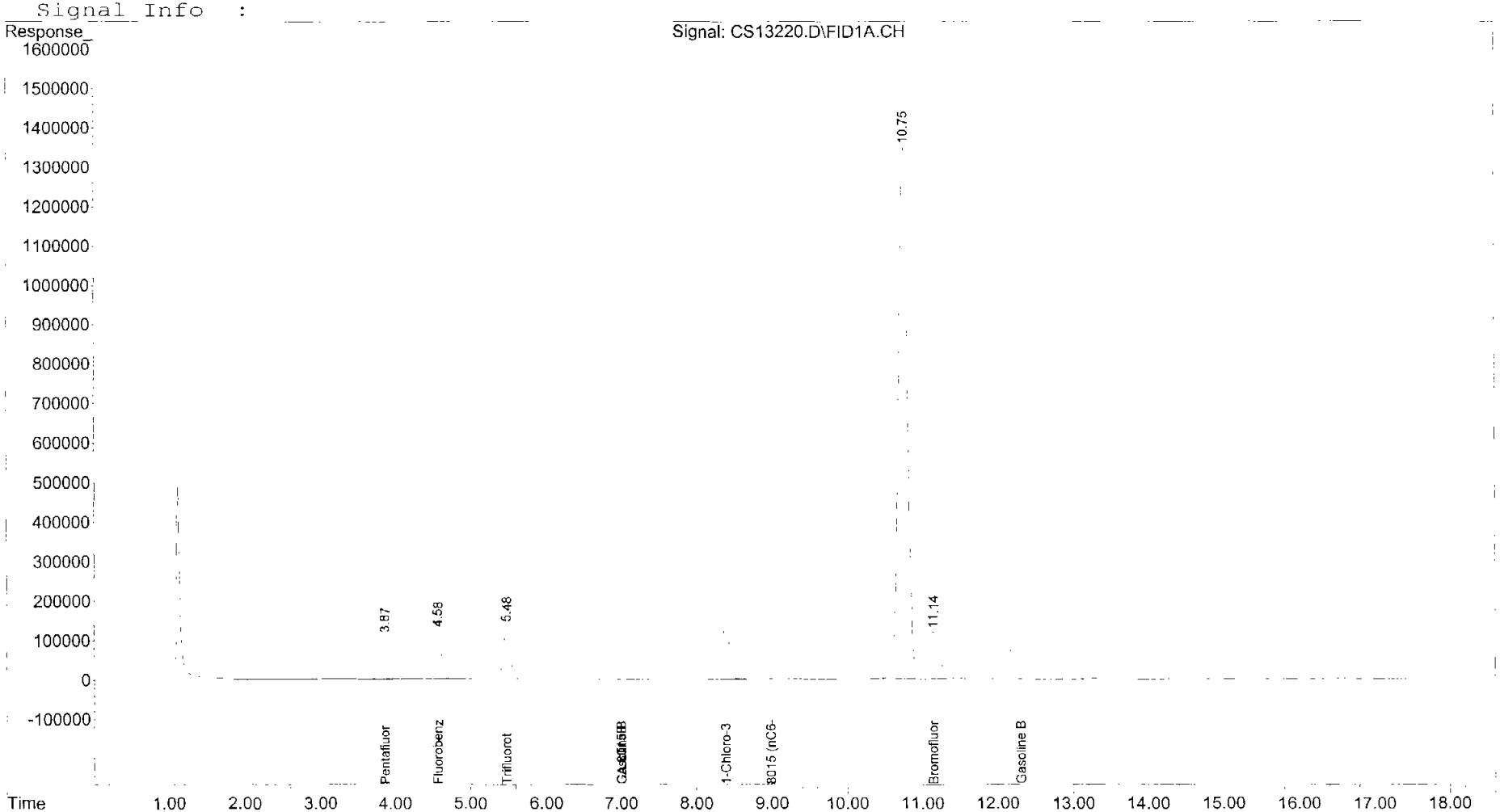
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6843990	38.375 ug/L
2) S Trifluorotoluene (S)	5.48	7981631	95.234 ug/L
Spiked Amount 100.000 Range 63 - 118		Recovery =	95.23%
3) S 1-Chloro-3-fluorobenzene(S	8.40	9225619	108.444 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	108.44%
4) S Bromofluorobenzene(S)	11.15	9540046	145.034 ug/L
Spiked Amount 100.000 Range 73 - 120		Recovery =	145.03%#
5) S Pentafluorobenzene (S)	3.87	7449373	82.472 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	82.47%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	134218654	2563.699 ug/L
7) H Gasoline By AK101	7.00	123973300	2156.335 ug/L
8) H 8015 (nC6-nC12)	9.00	134531900	1839.150 ug/L
9) H CA 8015B	7.00	128031098	1778.426 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13220.D Vial: 52
Acq On : 12-1-2004 08:26:16 AM Operator: crf
Sample : 125060-6 gb4029 Inst : Instrumen
Misc : Soil &10 #10.011 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 2 10:45 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46619

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13221.D Vial: 53
Acq On : 12-1-2004 08:50:51 AM Operator: crf
Sample : 125060-8 gb4029 Inst : Instrumen
Misc : Soil &10 #10.060 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:45:13 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

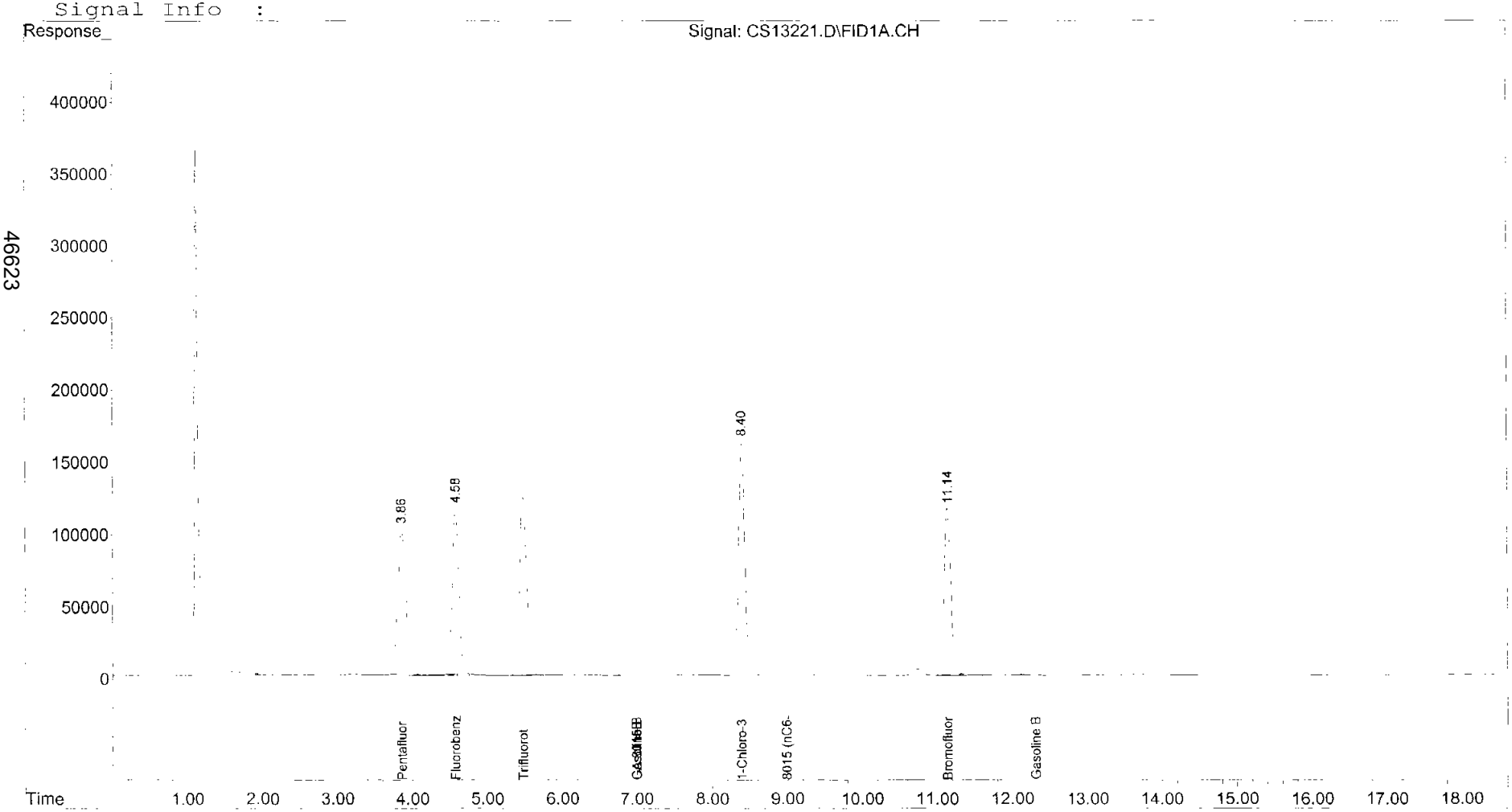
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6873384	38.540 ug/L
2) S Trifluorotoluene (S)	5.48	7806632	93.638 ug/L
Spiked Amount 100.000 Range 63 - 118		Recovery = 93.64%	
3) S 1-Chloro-3-fluorobenzene(S	8.40	9337727	109.762 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery = 109.76%	
4) S Bromofluorobenzene(S)	11.14	7219659	109.758 ug/L
Spiked Amount 100.000 Range 73 - 120		Recovery = 109.76%	
5) S Pentafluorobenzene (S)	3.86	7501112	82.801 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery = 82.80%	
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	1394032	26.627 ug/L
7) H Gasoline By AK101	7.00	2017461	35.091 ug/L
8) H 8015 (nC6-nC12)	9.00	2289217	31.295 ug/L
9) H CA 8015B	7.00	2507353	34.829 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13221.D Vial: 53
Acq On : 12-1-2004 08:50:51 AM Operator: crf
Sample : 125060-8 gb4029 Inst : Instrumen
Misc : Soil &10 #10.060 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 2 10:45 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46623

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13243.D Vial: 9
Acq On : 12-3-2004 03:20:24 PM Operator: crf
Sample : 125060-10 gb4030 Inst : Instrumen
Misc : Liquid Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 07 10:33:22 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

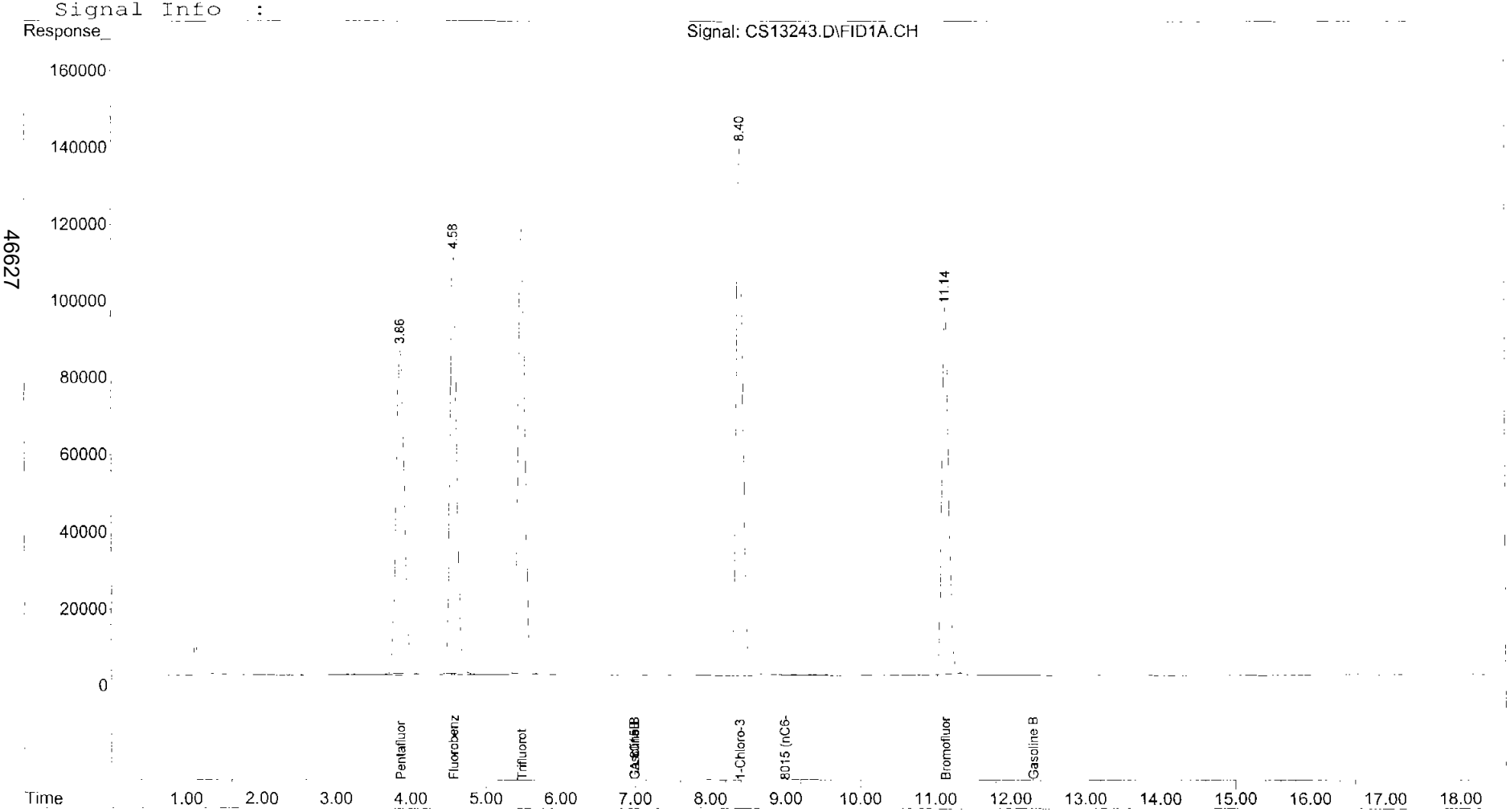
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6576184	36.874 ug/L
2) S Trifluorotoluene (S)	5.48	7368588	89.574 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	89.57%
3) S 1-Chloro-3-fluorobenzene(S	8.40	7958775	93.553 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	93.55%
4) S Bromofluorobenzene(S)	11.14	5917692	89.965 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	89.97%
5) S Pentafluorobenzene (S)	3.87	6346084	75.094 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	75.09%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	840446	16.053 ug/L
7) H Gasoline By AK101	7.00	911805	15.860 ug/L
8) H 8015 (nC6-nC12)	9.00	1058314	14.468 ug/L
9) H CA 8015B	7.00	1024611	14.232 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13243.D Vial: 9
Acq On : 12-3-2004 03:20:24 PM Operator: crf
Sample : 125060-10 gb4030 Inst : Instrumen
Misc : Liquid Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 7 10:33 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46627

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13244.D Vial: 10
Acq On : 12-3-2004 03:45:12 PM Operator: crf
Sample : 125060-11 gb4030 Inst : Instrumen
Misc : Liquid Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 07 10:33:25 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

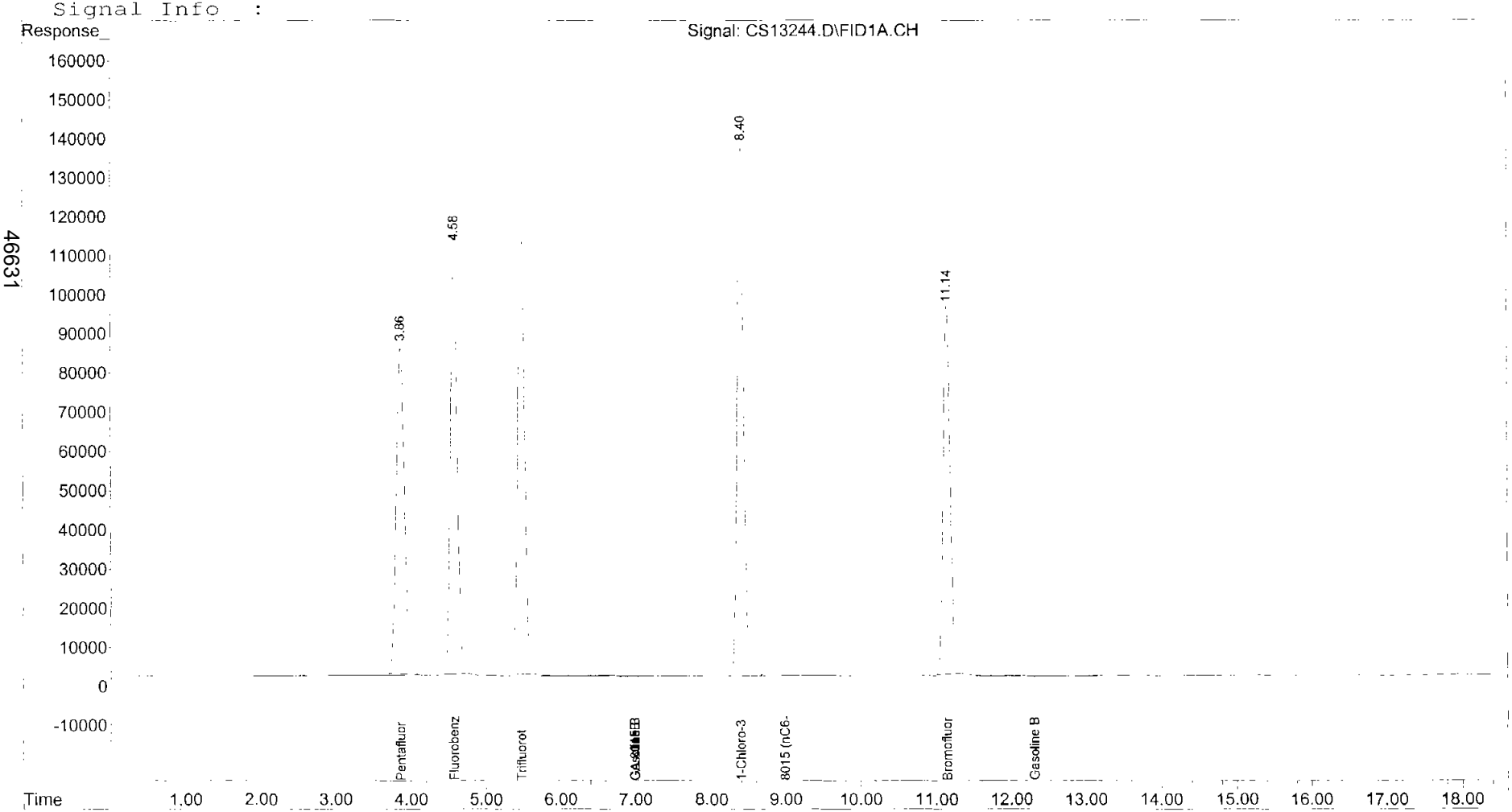
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6604457	37.032 ug/L
2) S Trifluorotoluene (S)	5.48	7334584	89.255 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	89.25%
3) S 1-Chloro-3-fluorobenzene(S	8.40	7853040	92.310 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	92.31%
4) S Bromofluorobenzene(S)	11.14	5833044	88.678 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	88.68%
5) S Pentafluorobenzene (S)	3.87	6301812	74.783 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	74.78%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	694798	13.271 ug/L
7) H Gasoline By AK101	7.00	887167	15.431 ug/L
8) H 8015 (nC6-nC12)	9.00	999120	13.659 ug/L
9) H CA 8015B	7.00	1058422	14.702 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13244.D
Vial: 10
Acq On : 12-3-2004 03:45:12 PM
Operator: crf
Sample : 125060-11 gb4030
Inst : Instrumen
Misc : Liquid
Multiplr: 1.00
IntFile : events.c
Quant Time: Dec 7 10:33 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46631

INITIAL CALIBRATION

01296

Calibration Status Report Instrumen

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
2	50	50.00	0.00	I:\2\DATA\10132004\CS12293.D
3	100	100.00	0.00	I:\2\DATA\10132004\CS12294.D
4	250	250.00	0.00	I:\2\DATA\10132004\CS12295.D
5	500	500.00	0.00	I:\2\DATA\10132004\CS12296.D
6	1100	1100.00	0.00	I:\2\DATA\10132004\CS12297.D
7	5000	5000.00	0.00	I:\2\DATA\10132004\CS12298.D
8	10k	10000.00	0.00	I:\2\DATA\10132004\CS12299.D
9	15k	15000.00	0.00	I:\2\DATA\10132004\CS12300.D

#	ID	Update Time	Quant Time	Acquisition Time
2	50	Oct 14 09:31 2004	Oct 14 09:26 2004	
3	100	Oct 14 09:31 2004	Oct 14 09:26 2004	
4	250	Oct 14 09:31 2004	Oct 14 09:26 2004	
5	500	Oct 14 09:31 2004	Oct 14 09:27 2004	
6	1100	Oct 14 09:31 2004	Oct 14 09:27 2004	
7	5000	Oct 14 09:31 2004	Oct 14 09:28 2004	
8	10k	Oct 14 09:31 2004	Oct 14 09:28 2004	
9	15k	Oct 14 09:31 2004	Oct 14 09:28 2004	

GAS_10132004.M Thu Oct 14 09:47:31 2004

Sequence Log

Directory : i:\2\DATA\10132004

#	Filename	Sample Name	Date/Time
1	cs12284.d	bfb tune	10/13/04 09:38
2	cs12290.d	RT standard	10/13/04 16:09
3	cs12293.d	50 ug/L gro ical	10/13/04 17:24
4	cs12294.d	100 ug/L gro ical	10/13/04 17:48
5	cs12295.d	250 ug/L gro ical	10/13/04 18:13
6	cs12296.d	500 ug/L gro ical	10/13/04 18:38
7	cs12297.d	1100 ug/L gro ical	10/13/04 19:03
8	cs12298.d	5000 ug/L gro ical	10/13/04 19:27
9	cs12299.d	10000 ug/L gro ical	10/13/04 19:52
10	cs12300.d	15000 ug/L gro ical	10/13/04 20:17
11	cs12301.d	25000 ug/L gro ical	10/13/04 20:42
12	cs12302.d	rinse	10/13/04 21:06
13	cs12303.d	rinse	10/13/04 21:31
14	cs12304.d	1250 ug/L gro icv	10/13/04 21:56

Response Factor Report Instrumen

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004

Calibration Files
= 50 =CS12293.D 100 =CS12294.D
250 =CS12295.D 500 =CS12296.D 1100 =CS12297.D

		Compound	50	100	250	500	1100	Avg		%RSD
1)	S	Fluorobenzene (I	1.198	1.196	1.191	1.192	1.202	1.637	1.783 E5	49.42
2)	S	Trifluorotoluene	0.735	0.742	0.768	0.803	0.837	0.984	0.862 E5	18.24
3)	S	1-Chloro-3-fluor	8.258	8.304	8.510	8.407	8.405	8.543	8.507 E4	3.41
4)	S	Bromofluorobenze	6.205	6.349	6.507	6.487	6.565	6.868	6.578 E4	4.50
5)	S	Pentafluorobenze	0.668	0.694	0.788	0.848	0.993	1.530	1.068 E5	45.73
6)	H	Gasoline By NWTP	5.952	5.276	5.071	4.987	4.939	5.012	5.235 E4	5.86
7)	H	Gasoline By AK10	7.088	6.141	5.779	5.667	5.466	5.282	5.749 E4	9.84
8)	H	8015 (nC6-nC12)	8.758	7.673	7.272	7.137	6.949	6.824	7.315 E4	8.10
9)	H	CA 8015B	8.494	7.904	7.329	7.243	7.030	6.720	7.199 E4	9.10

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12290.D Vial: 2
Acq On : 10-13-2004 04:09:49 PM Operator: crf
Sample : RT standard Inst : Instrumen
Misc : 1188-90-15 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:20 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.57	11978376	67.164 ug/L
2) S Trifluorotoluene (S)	5.47	6601005	82.202 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	82.20%
3) S 1-Chloro-3-fluorobenzene(S	8.39	7786084	91.523 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	91.52%
4) S Bromofluorobenzene(S)	11.14	6014933	91.443 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	91.44%
5) S Pentafluorobenzene (S)	3.84	5834566	71.411 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	71.41%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	27893388	532.789 ug/L
7) H Gasoline By AK101	7.00	21365049	371.614 ug/L
8) H 8015 (nC6-nC12)	9.00	29916624	408.982 ug/L
9) H CA 8015B	7.00	28046400	389.581 ug/L

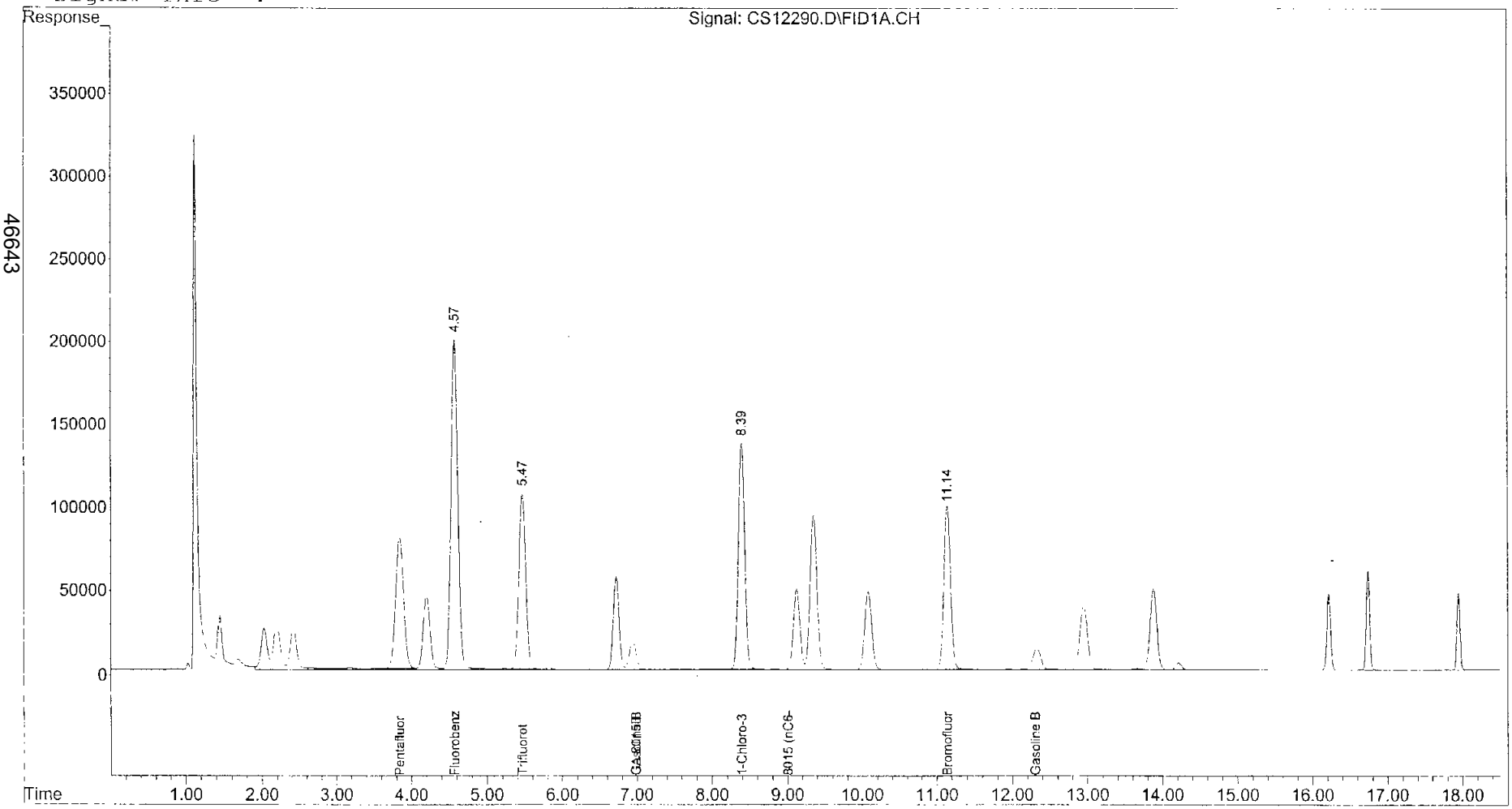
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12290.D Vial: 2
Acq On : 10-13-2004 04:09:49 PM Operator: crf
Sample : RT standard Inst : Instrumen
Misc : 1188-90-15 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

46643



Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12293.D Vial: 5
Acq On : 10-13-2004 05:24:16 PM Operator: crf
Sample : 50 ug/L gro ical Inst : Instrumen
Misc : 1188-91-01 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:23 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

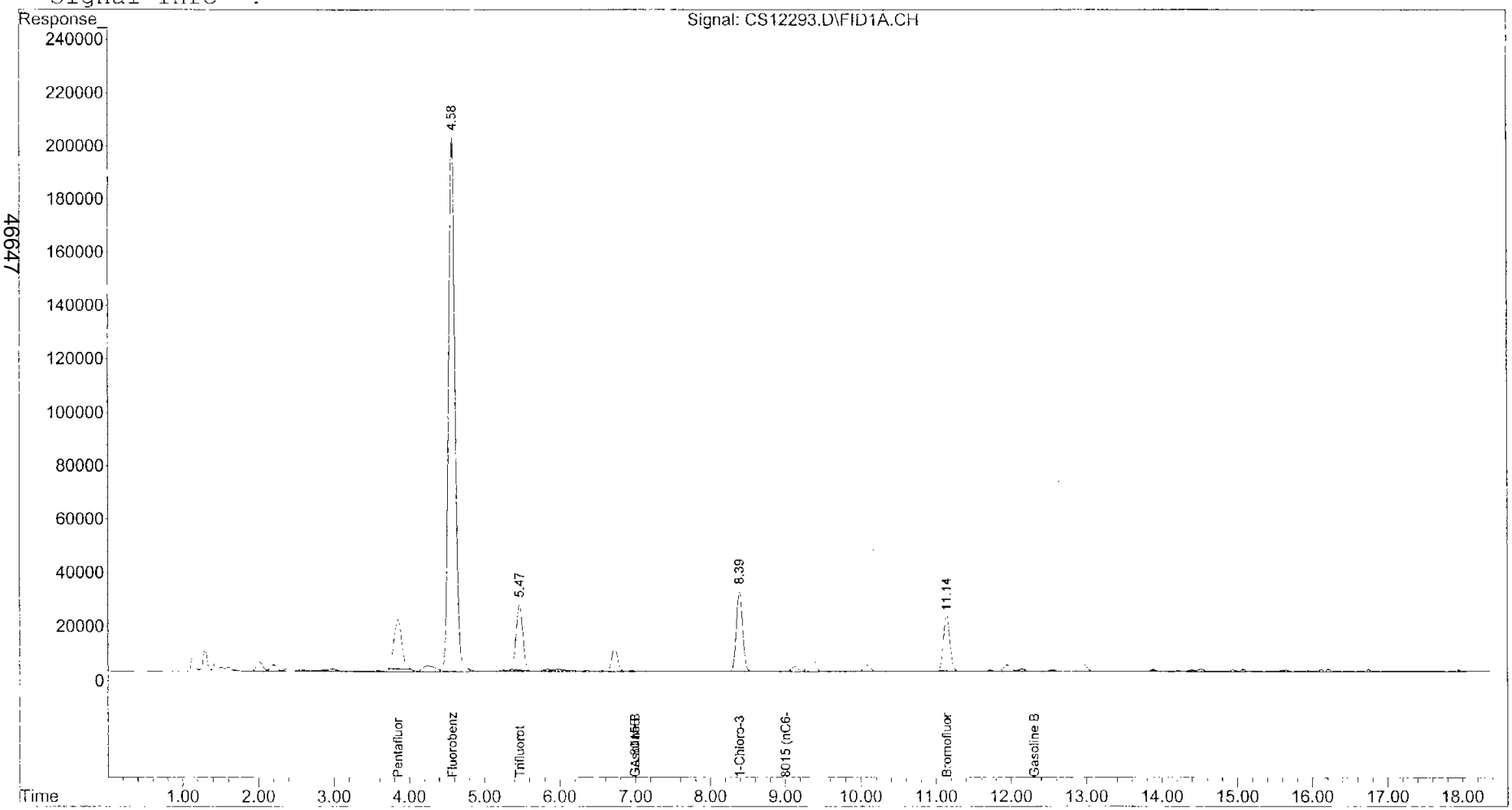
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11978014	67.162 ug/L
2) S Trifluorotoluene (S)	5.47	1470625	19.200 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	19.20%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	1651627	19.414 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	19.41%#
4) S Bromofluorobenzene(S)	11.14	1241027	18.867 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	18.87%#
5) S Pentafluorobenzene (S)	3.85	1335922	17.086 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	17.09%#
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	2975762	56.840 ug/L
7) H Gasoline By AK101	7.00	3543815	61.640 ug/L
8) H 8015 (nC6-nC12)	9.00	4379219	59.867 ug/L
9) H CA 8015B	7.00	4247044	58.994 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12293.D Vial: 5
Acq On : 10-13-2004 05:24:16 PM Operator: crf
Sample : 50 ug/L gro ical Inst : Instrumen
Misc : 1188-91-01 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



49947

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12294.D Vial: 6
Acq On : 10-13-2004 05:48:58 PM Operator: crf
Sample : 100 ug/L gro ical Inst : Instrumen
Misc : 1188-91-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:25 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

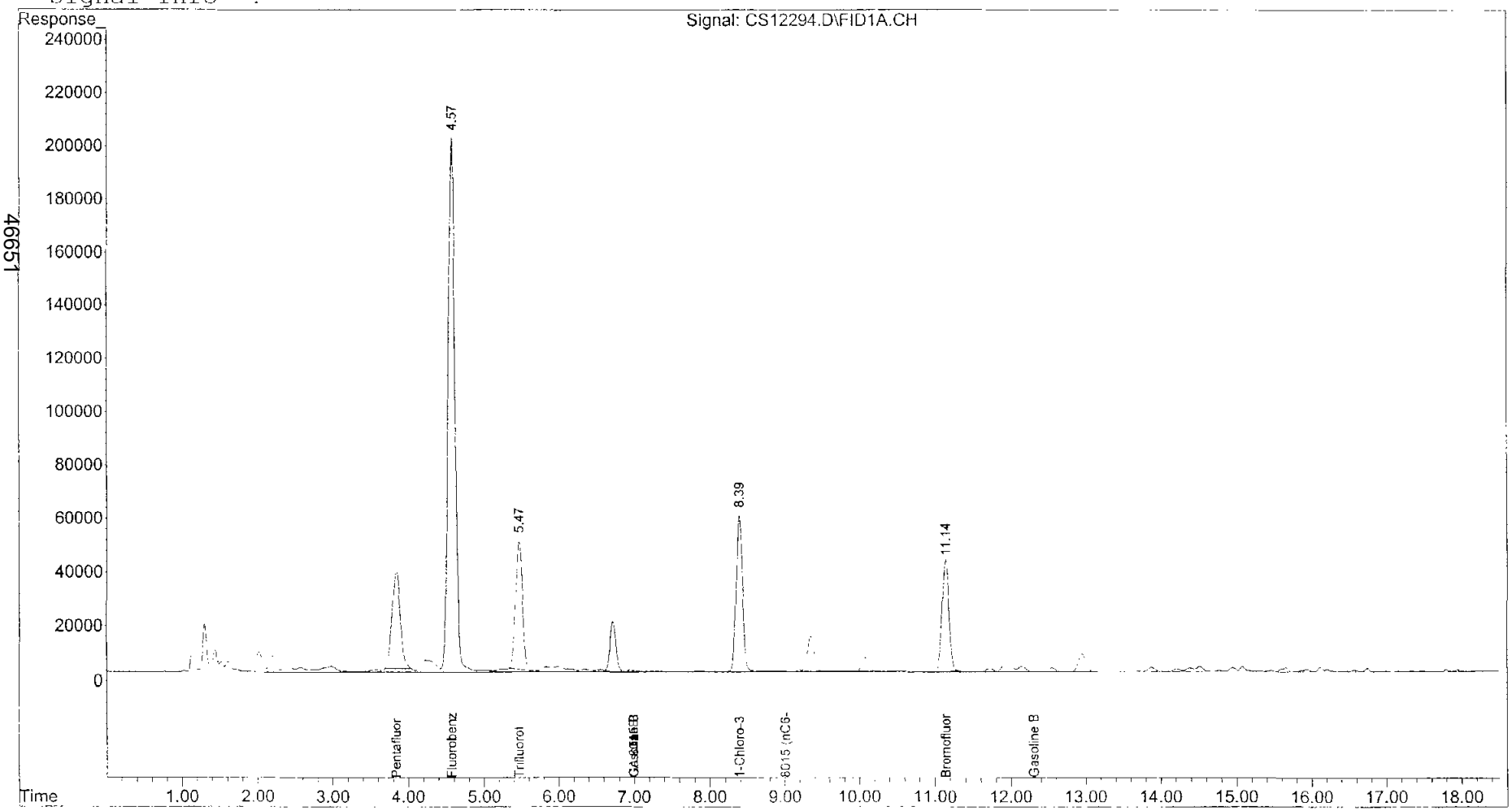
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11956699	67.043 ug/L
2) S Trifluorotoluene (S)	5.47	2966379	41.133 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	41.13%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	3321648	39.045 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	39.05%#
4) S Bromofluorobenzene(S)	11.14	2539548	38.608 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	38.61%#
5) S Pentafluorobenzene (S)	3.84	2776585	43.077 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	43.08%#
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	5275977	100.776 ug/L
7) H Gasoline By AK101	7.00	6141330	106.820 ug/L
8) H 8015 (nC6-nC12)	9.00	7673349	104.900 ug/L
9) H CA 8015B	7.00	7904404	109.797 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12294.D Vial: 6
Acq On : 10-13-2004 05:48:58 PM Operator: crf
Sample : 100 ug/L gro ical Inst : instrumen
Misc : 1188-91-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46651

50010

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12295.D Vial: 7
Acq On : 10-13-2004 06:13:41 PM Operator: crf
Sample : 250 ug/L gro ical Inst : Instrumen
Misc : 1188-91-03 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:28 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.57	11911728	66.791 ug/L
2) S Trifluorotoluene (S)	5.47	4608214	61.219 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	61.22%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	5106130	60.021 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	60.02%
4) S Bromofluorobenzene(S)	11.14	3904105	59.353 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	59.35%#
5) S Pentafluorobenzene (S)	3.84	4729535	62.703 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	62.70%#
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	12678384	242.169 ug/L
7) H Gasoline By AK101	7.00	14448693	251.314 ug/L
8) H 8015 (nC6-nC12)	9.00	18179092	248.522 ug/L
9) H CA 8015B	7.00	18321694	254.499 ug/L

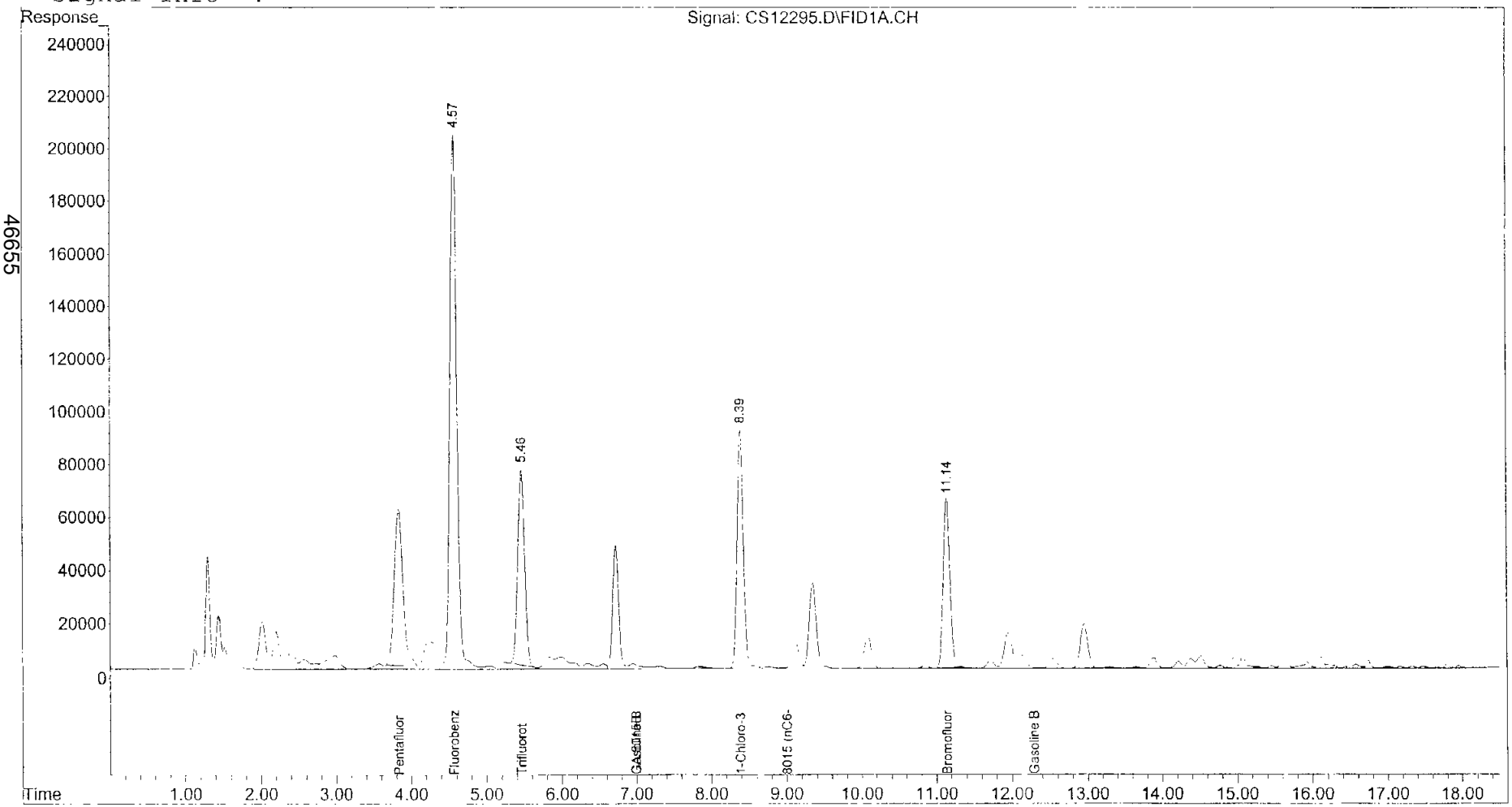
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12295.D Vial: 7
Acq On : 10-13-2004 06:13:41 PM Operator: crf
Sample : 250 ug/L gro ical Inst : Instrumen
Misc : 1188-91-03 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

46655



Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12296.D Vial: 8
Acq On : 10-13-2004 06:38:22 PM Operator: crf
Sample : 500 ug/L gro ical Inst : Instrumen
Misc : 1188-91-04 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:30 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11917540	66.823 ug/L
2) S Trifluorotoluene (S)	5.47	6764722	83.803 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	83.80%
3) S 1-Chloro-3-fluorobenzene(S	8.40	6725450	79.056 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	79.06%
4) S Bromofluorobenzene(S)	11.15	5189535	78.895 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	78.89%
5) S Pentafluorobenzene (S)	3.85	6784751	78.113 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	78.11%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	24934683	476.275 ug/L
7) H Gasoline By AK101	7.00	27995098	486.934 ug/L
8) H 8015 (nC6-nC12)	9.00	35341788	483.148 ug/L
9) H CA 8015B	7.00	35872274	498.287 ug/L

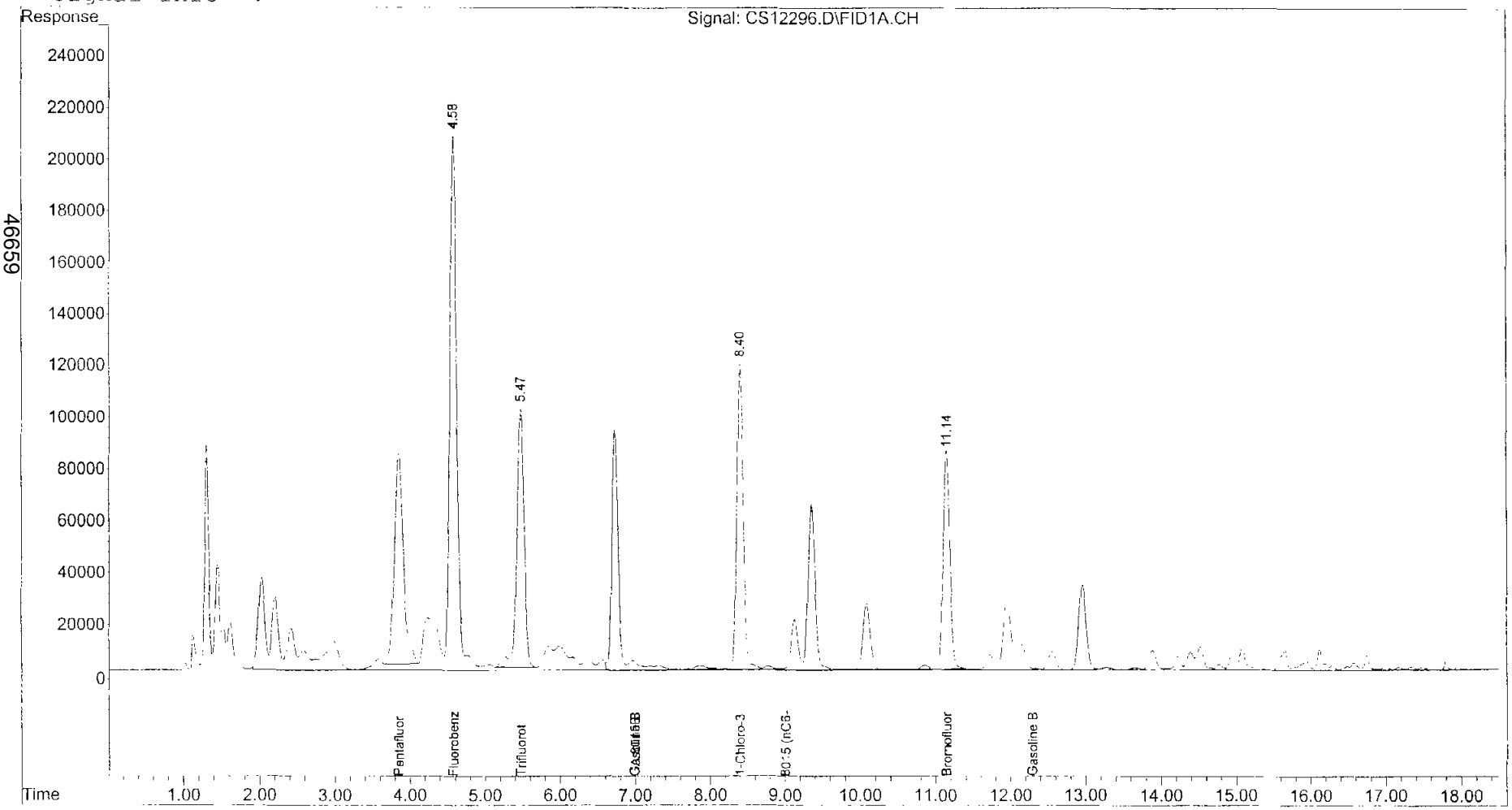
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12296.D
Acq On : 10-13-2004 06:38:22 PM
Sample : 500 ug/L gro ical
Misc : 1188-91-04
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Vial: 8
Operator: crf
Inst : Instrumen
Multiplr: 1.00

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46659

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12297.D Vial: 9
Acq On : 10-13-2004 07:03:00 PM Operator: crf
Sample : 1100 ug/L gro ical Inst : Instrumen
Misc : 1188-91-05 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:33 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

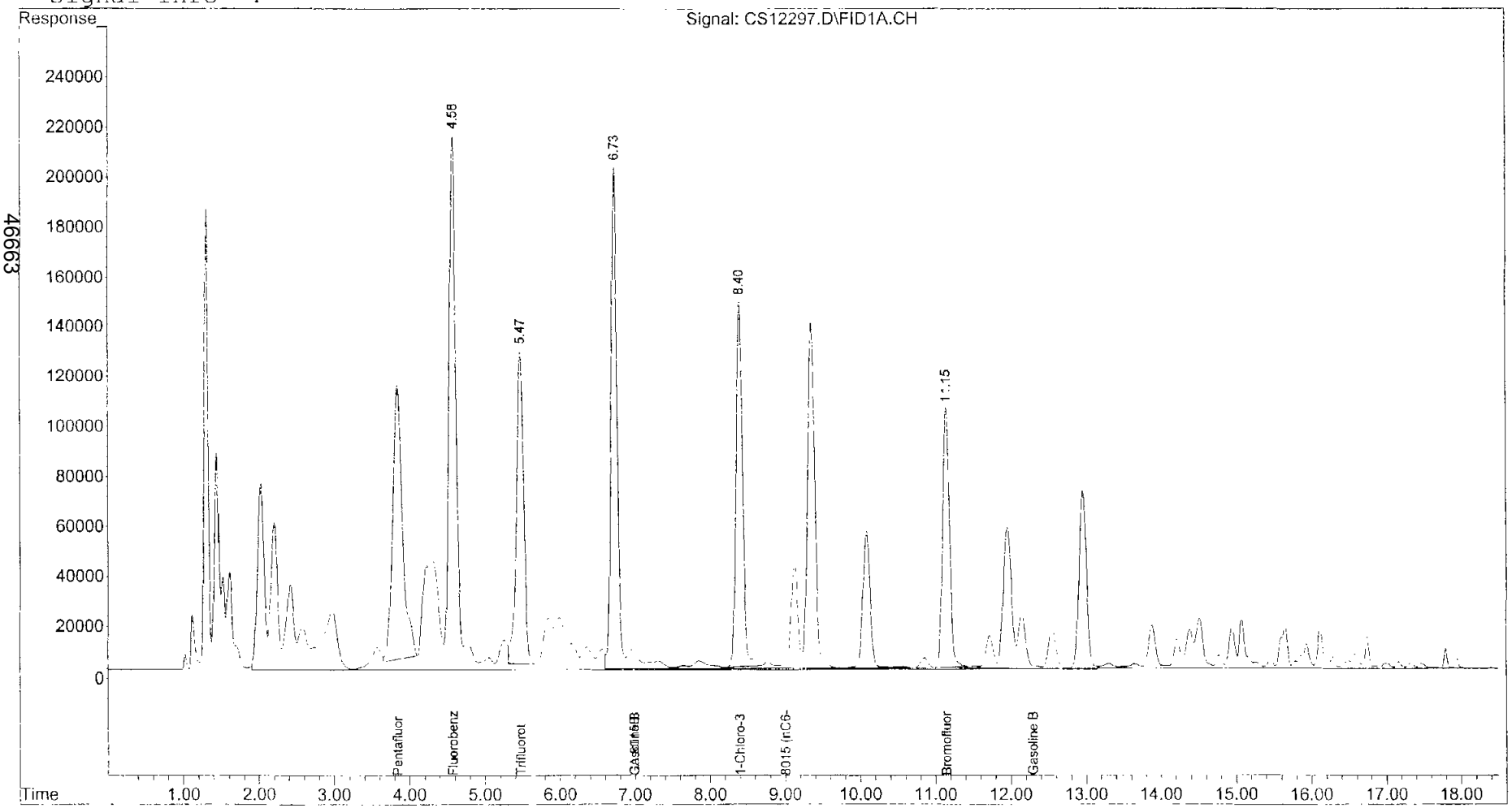
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	12017959	67.386 ug/L
2) S Trifluorotoluene (S)	5.48	8372218	98.745 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	98.75%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8646955	101.642 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	101.64%
4) S Bromofluorobenzene(S)	11.15	6564505	99.798 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	99.80%
5) S Pentafluorobenzene (S)	3.85	9930950	97.007 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	97.01%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	54087904	1033.128 ug/L
7) H Gasoline By AK101	7.00	59878783	1041.504 ug/L
8) H 8015 (nC6-nC12)	9.00	76201351	1041.728 ug/L
9) H CA 8015B	7.00	77087797	1070.794 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12297.D Vial: 9
Acq On : 10-13-2004 07:03:00 PM Operator: crf
Sample : 1100 ug/L gro ical Inst : Instrumen
Misc : 1188-91-05 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS 10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46663

10131

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12298.D Vial: 10
Acq On : 10-13-2004 07:27:48 PM Operator: crf
Sample : 5000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-06 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:35 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	16367551	91.775 ug/L
2) S Trifluorotoluene (S)	5.47	14760156	148.484 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery	= 148.48%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	12813955	150.624 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 150.62%#
4) S Bromofluorobenzene(S)	11.14	11036553	167.785 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery	= 167.79%#
5) S Pentafluorobenzene (S)	3.83	22947177	151.766 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery	= 151.77%#
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	249865857	4772.666 ug/L
7) H Gasoline By AK101	7.00	263348997	4580.573 ug/L
8) H 8015 (nC6-nC12)	9.00	340441866	4654.091 ug/L
9) H CA 8015B	7.00	335245303	4656.751 ug/L

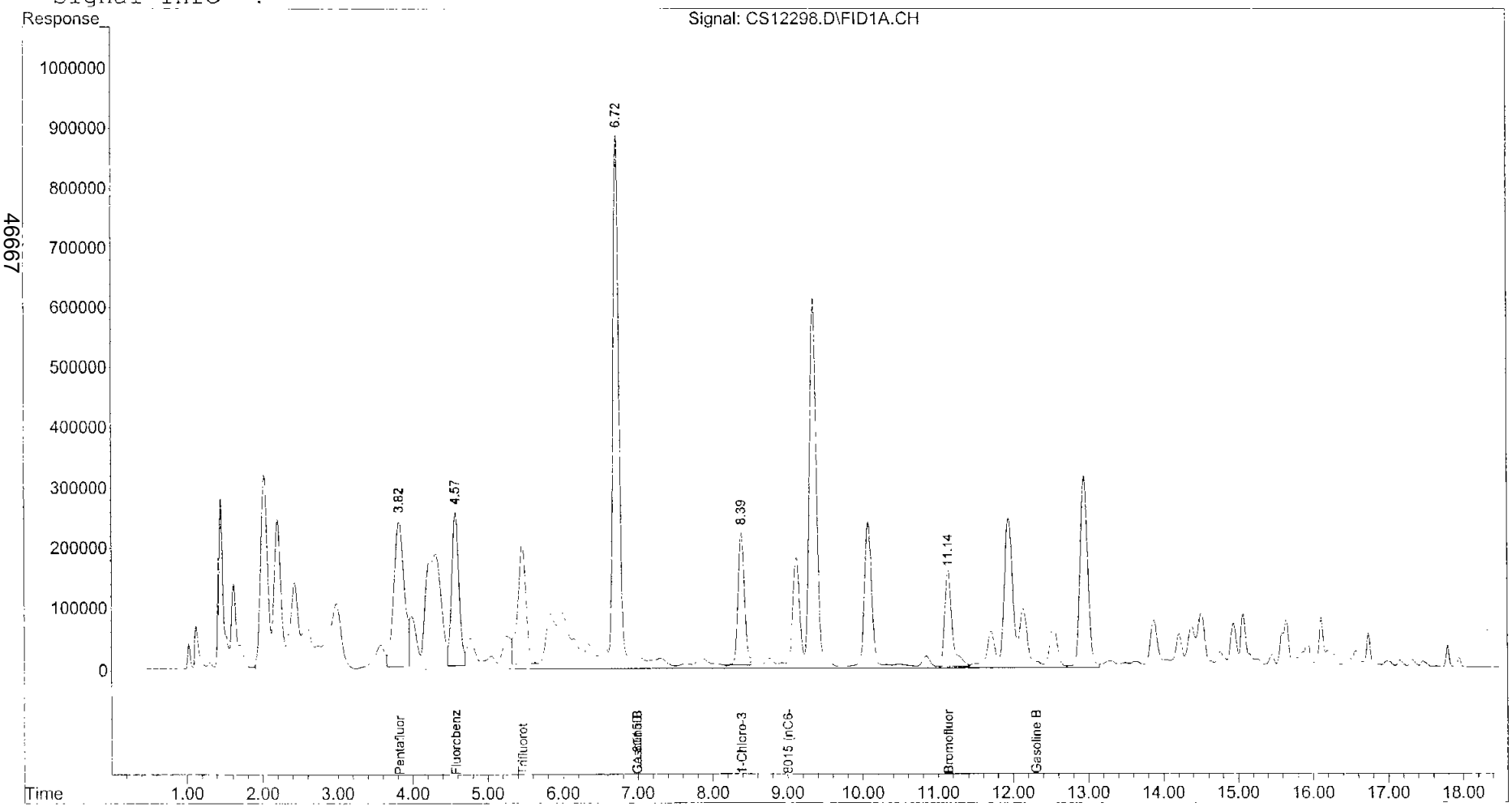
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12298.D
Acq On : 10-13-2004 07:27:48 PM
Sample : 5000 ug/L gro ical
Misc : 1188-91-06
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Vial: 10
Operator: crf
Inst : Instrumen
Multiplr: 1.00

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12299.D Vial: 11
Acq On : 10-13-2004 07:52:35 PM Operator: crf
Sample : 10000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-07 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:38 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

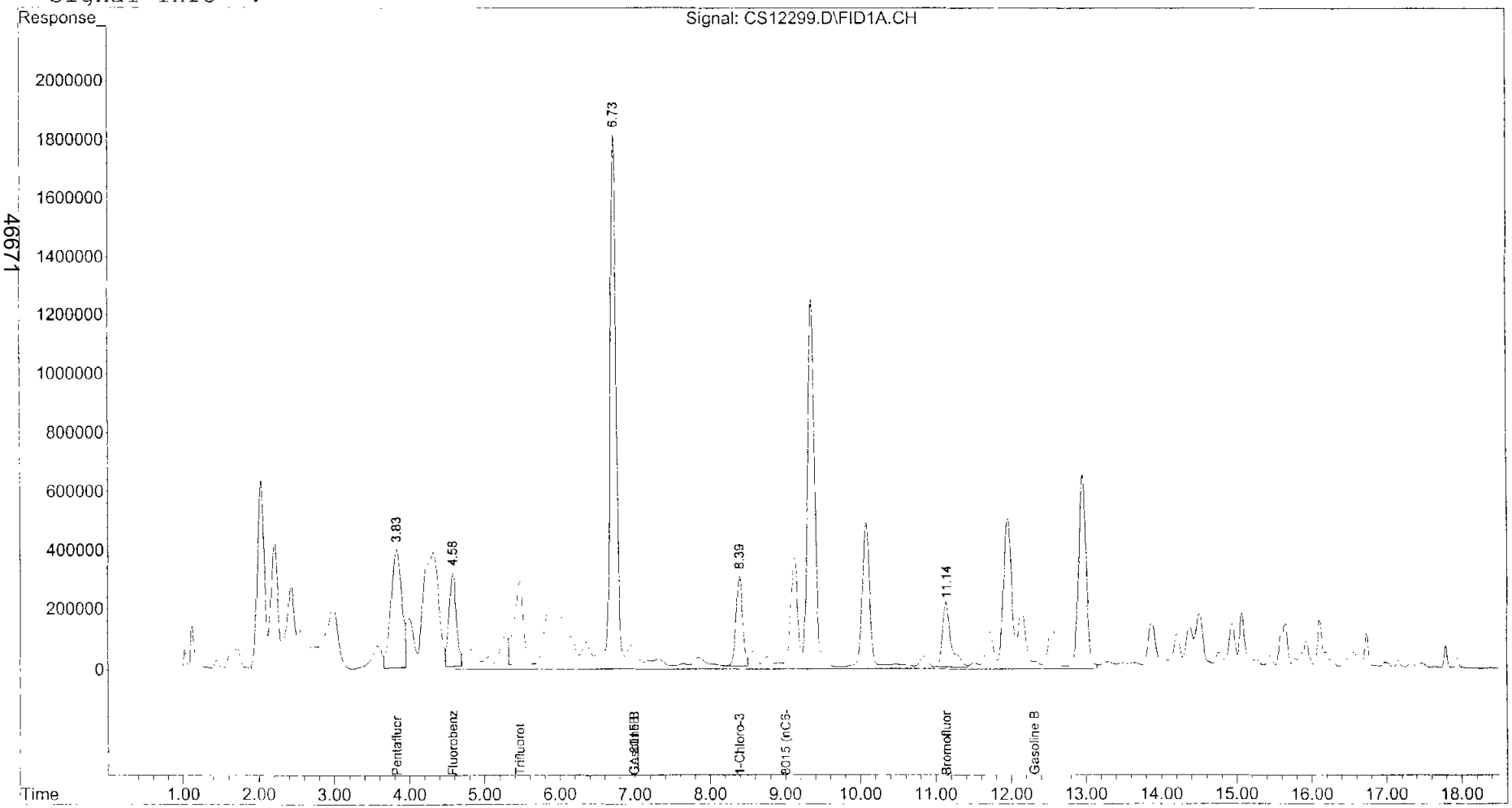
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	20865829	116.997 ug/L
2) S Trifluorotoluene (S)	5.47	23230793	200.974 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery	= 200.97%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	18248671	214.507 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 214.51%#
4) S Bromofluorobenzene(S)	11.14	16922351	257.264 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery	= 257.26%#
5) S Pentafluorobenzene (S)	3.83	39092256	199.686 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery	= 199.69%#
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	522934110	9988.518 ug/L
7) H Gasoline By AK101	7.00	546856570	9511.775 ug/L
8) H 8015 (nC6-nC12)	9.00	708339951	9683.528 ug/L
9) H CA 8015B	7.00	688891269	9569.099 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12299.D Vial: 11
Acq On : 10-13-2004 07:52:35 PM Operator: crf
Sample : 10000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-07 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS 10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (QT Reviewed)

Data File : I:\2\DATA\10132004\CS12300.D Vial: 12
Acq On : 10-13-2004 08:17:21 PM Operator: crf
Sample : 15000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:41 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
1)	S	Fluorobenzene (I)	4.59	26730561	149.882	ug/L
Target Compounds						
6)	H	Gasoline By NWTPH-G	12.30	796517485	15214.210	ug/L
7)	H	Gasoline By AK101	7.00	825782691	14363.289	ug/L
8)	H	8015 (nC6-nC12)	9.00	1070165903	14629.954	ug/L
9)	H	CA 8015B	7.00	1024510635	14231.046	ug/L

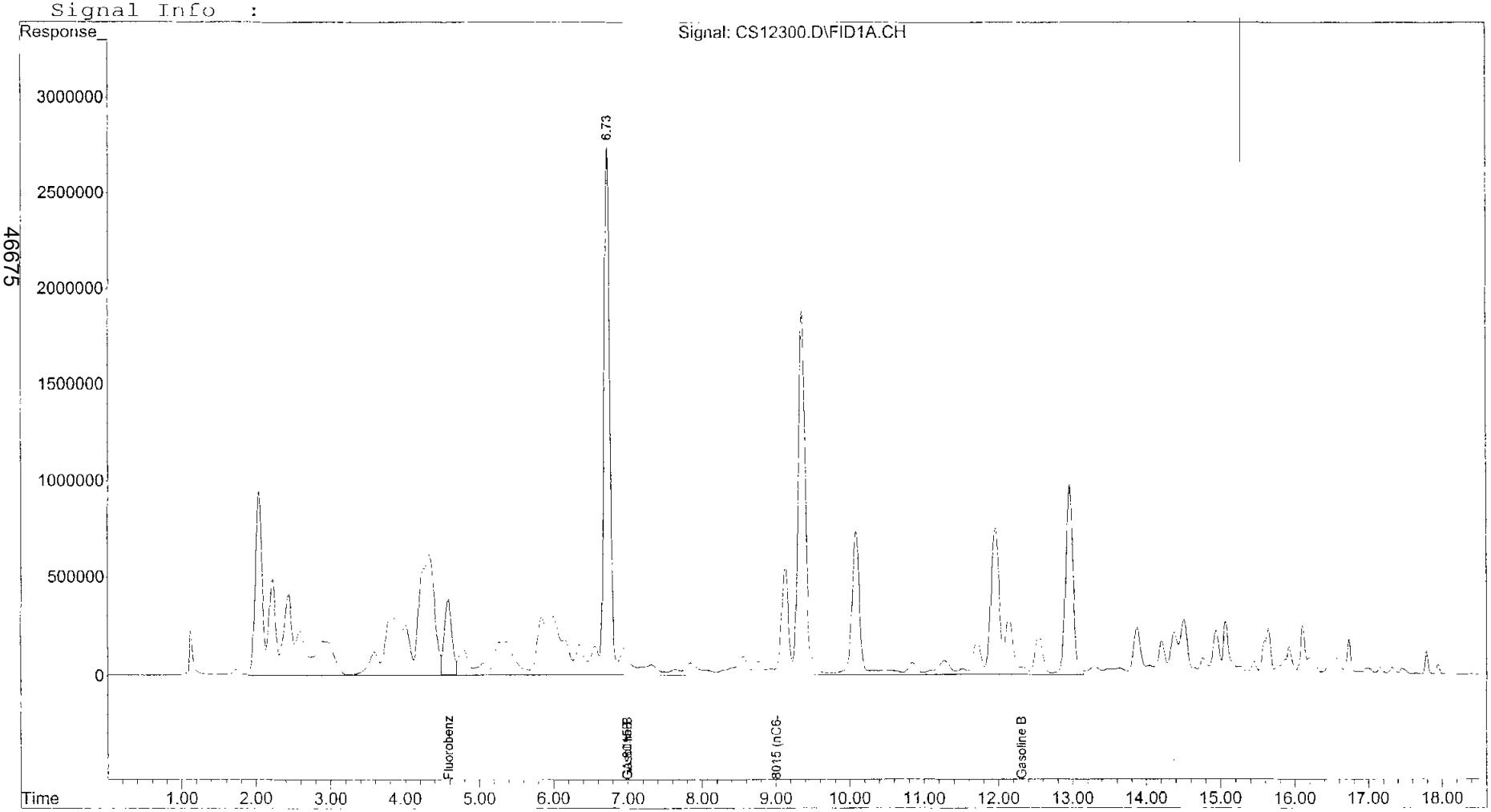
Quantitation Report (QT Reviewed)

Data File : I:\2\DATA\10132004\CS12300.D
Acq On : 10-13-2004 08:17:21 PM
Sample : 15000 ug/L gro ical
Misc : 1188-91-08
IntFile : events.e
Quant Time: Oct 14 9:57 2004 Quant Results File: GAS_10132004.RES

Vial: 12
Operator: crf
Inst : Instrumen
Multiplr: 1.00

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46675

01317

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12301.D Vial: 13
Acq On : 10-13-2004 08:42:04 PM Operator: crf
Sample : 25000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-09 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 10:25:30 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:25:25 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

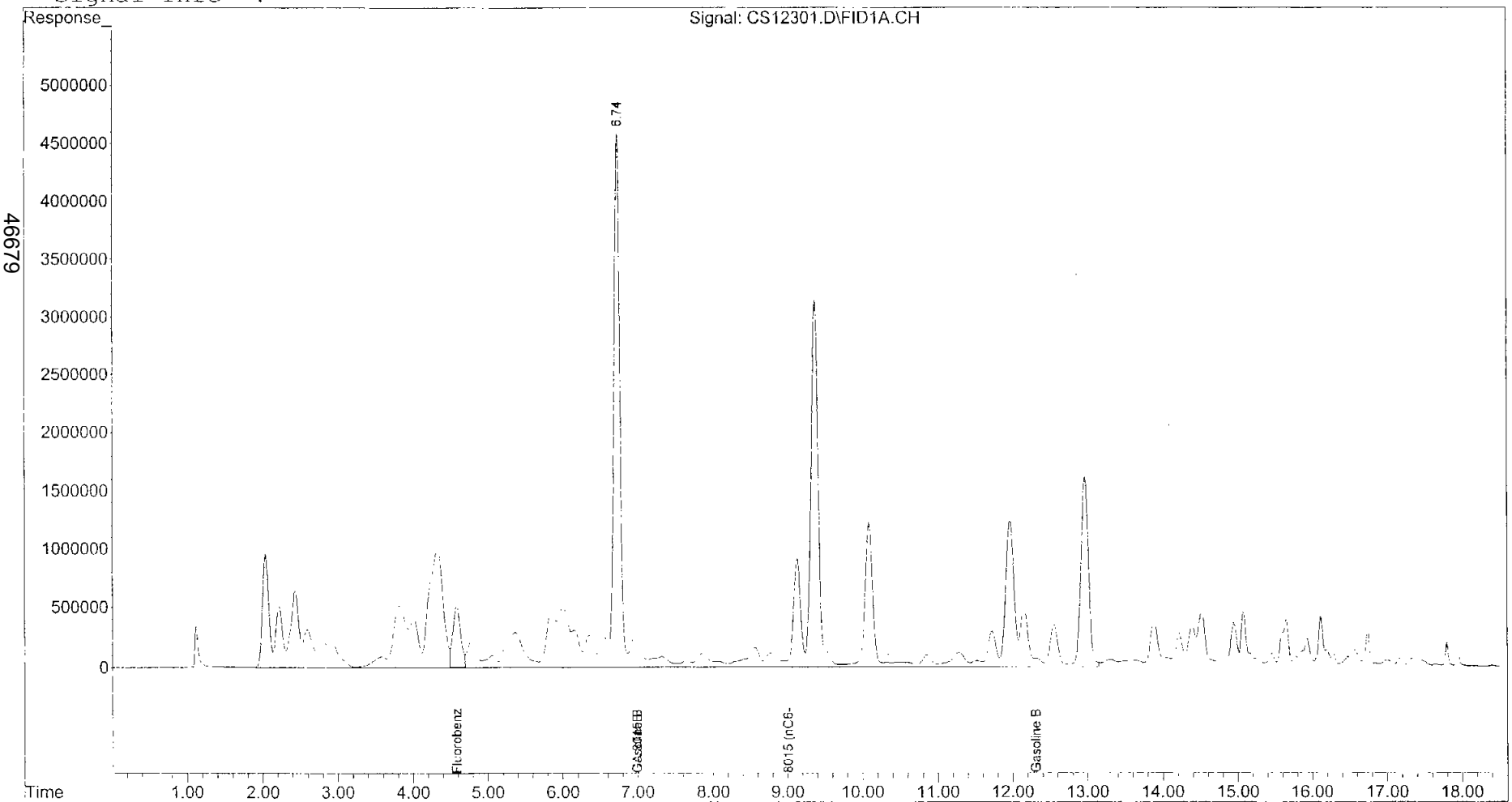
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	36763946	206.140 ug/L
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	1343695388	25665.807 ug/L
7) H Gasoline By AK101	7.00	1454394606	25297.079 ug/L
8) H 8015 (nC6-nC12)	9.00	1868550415	25544.457 ug/L
9) H CA 8015B	7.00	1706152777	23699.450 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12301.D Vial: 13
Acq On : 10-13-2004 08:42:04 PM Operator: crf
Sample : 25000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-09 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 10:25 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:25:25 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46679

01319

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12304.D Vial: 16
Acq On : 10-13-2004 09:56:05 PM Operator: crf
Sample : 1250 ug/L gro icv Inst : Instrumen
Misc : 1188-91-10 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:45 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

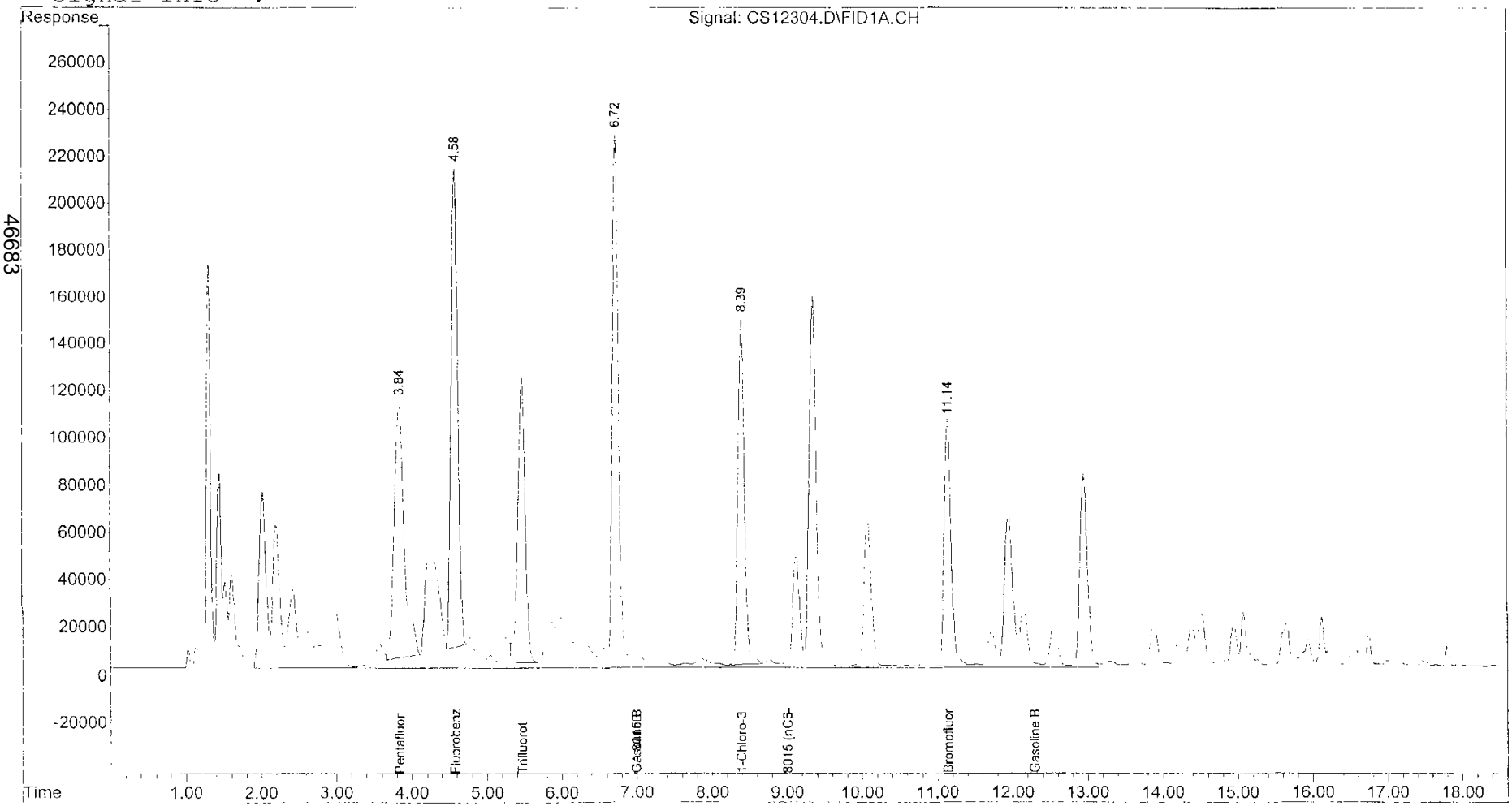
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11954861	67.032 ug/L
2) S Trifluorotoluene (S)	5.47	8071701	96.050 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	96.05%
3) S 1-Chloro-3-fluorobenzene(S	8.39	8629449	101.436 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	101.44%
4) S Bromofluorobenzene(S)	11.14	6567644	99.846 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	99.85%
5) S Pentafluorobenzene (S)	3.84	9851511	96.576 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	96.58%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	60973623	1164.652 ug/L
7) H Gasoline By AK101	7.00	65468167	1138.724 ug/L
8) H 8015 (nC6-nC12)	9.00	84246386	1151.710 ug/L
9) H CA 8015B	7.00	83664103	1162.143 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12304.D
Vial: 16
Acq On : 10-13-2004 09:56:05 PM
Operator: crf
Sample : 1250 ug/L gro icv
Inst : Instrumen
Misc : 1188-91-10
Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46683

01321

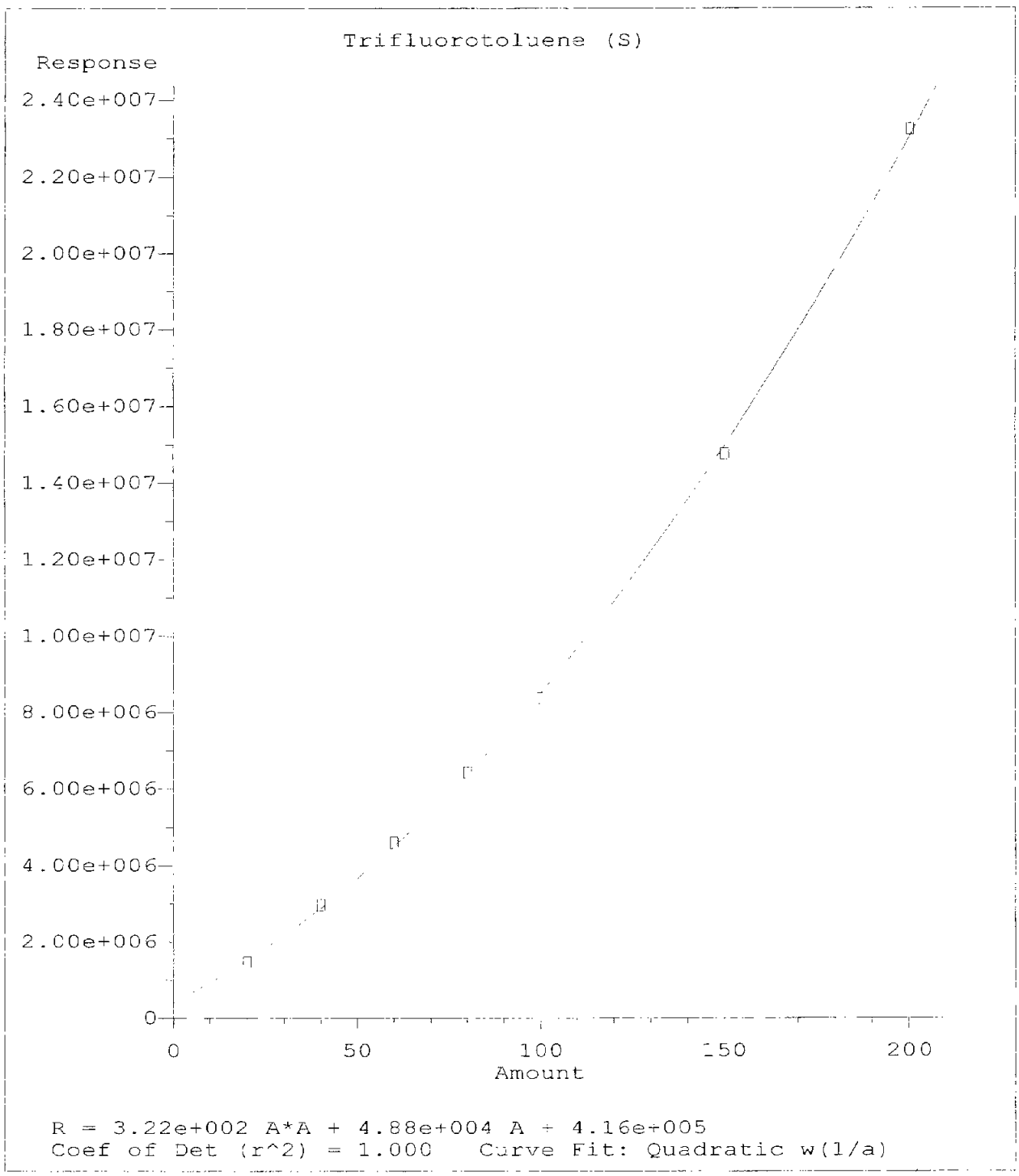
Evaluate Continuing Calibration Report

Data File : I:\2\DATA\10132004\CS12304.D Vial: 16
Acq On : 10-13-2004 09:56:05 PM Operator: crf
Sample : 1250 ug/L gro icv Inst : Instrumen
Misc : 1188-91-10 Multiplr: 1.00
IntFile : events.e

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:49:08 2004
Response via : Multiple Level Calibration

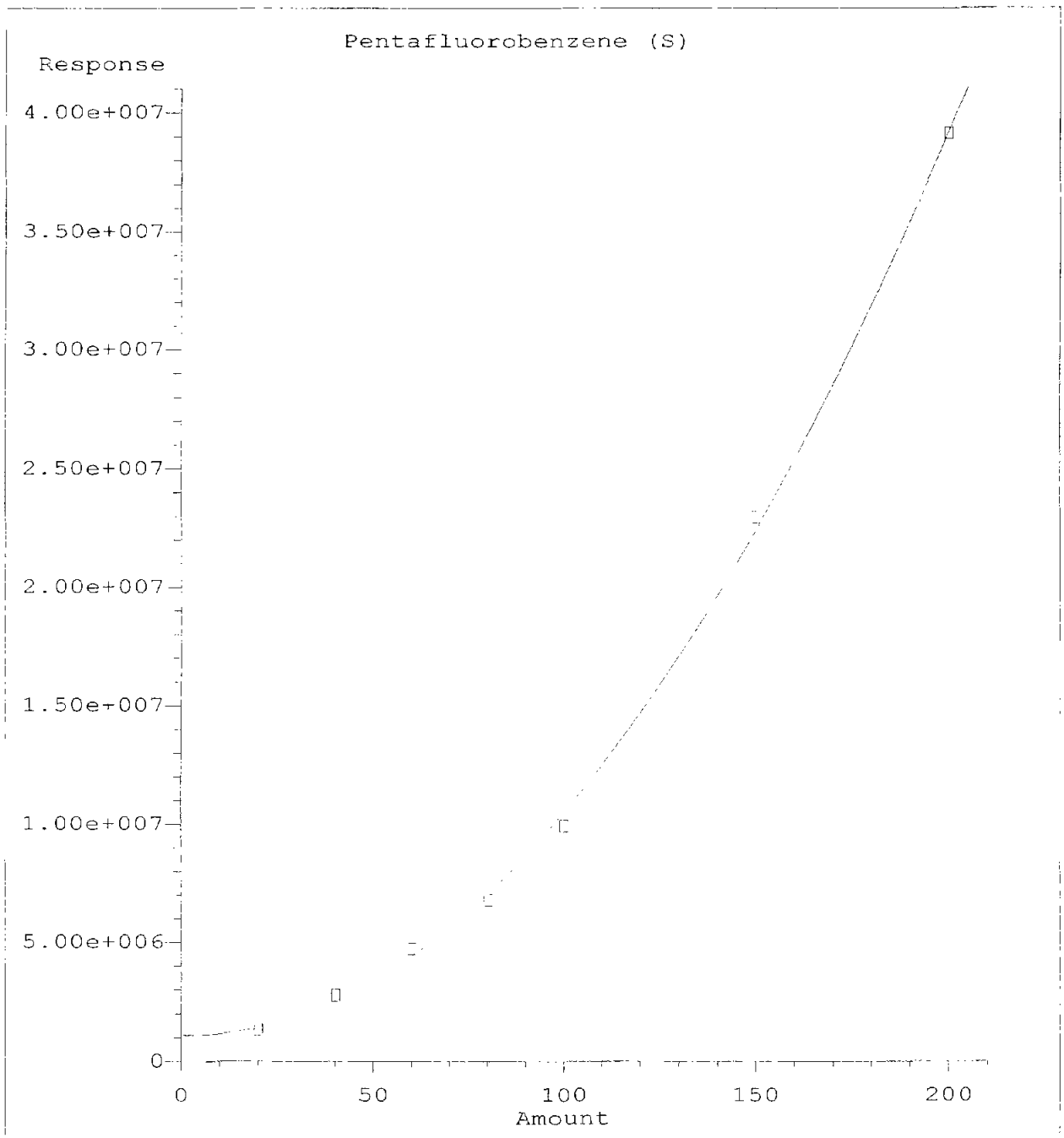
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Fluorobenzene (I)	100.000	67.032	33.0#	0	0.00
2	S	Trifluorotoluene (S)	100.000	96.050	4.0	0	0.00
3	S	1-Chloro-3-fluorobenzene(S)	100.000	101.436	-1.4	0	0.00
4	S	Bromofluorobenzene(S)	100.000	99.846	0.2	0	0.00
5	S	Pentafluorobenzene (S)	100.000	96.576	3.4	0	0.00
6	H	Gasoline By NWTPH-G	1250.000	1164.652	6.8	0	0.00
7	H	Gasoline By AK101	1250.000	1138.724	8.9	0	0.00
8	H	8015 (nC6-nC12)	1250.000	1151.710	7.9	0	0.00
9	H	CA 8015B	1250.000	1162.143	7.0	0	0.00



Method Name: I:\2\METHODS\GAS_10132004.M
Calibration Table Last Updated: Thu Oct 14 09:33:12 2004

01323



R = 9.66e+002 A*A - 2.71e+003 A + 1.10e+006
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)

Method Name: I:\2\METHODS\GAS_10132004.M
Calibration Table Last Updated: Thu Oct 14 09:33:12 2004

Calibration Status Report Instrumen

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
2	50	50.00	0.00	I:\2\DATA\10132004\CS12293.D
3	100	100.00	0.00	I:\2\DATA\10132004\CS12294.D
4	250	250.00	0.00	I:\2\DATA\10132004\CS12295.D
5	500	500.00	0.00	I:\2\DATA\10132004\CS12296.D
6	1100	1100.00	0.00	I:\2\DATA\10132004\CS12297.D
7	5000	5000.00	0.00	I:\2\DATA\10132004\CS12298.D
8	10k	10000.00	0.00	I:\2\DATA\10132004\CS12299.D
9	15k	15000.00	0.00	I:\2\DATA\10132004\CS12300.D

#	ID	Update Time	Quant Time	Acquisition Time
2	50	Oct 14 09:31 2004	Oct 14 09:26 2004	
3	100	Oct 14 09:31 2004	Oct 14 09:26 2004	
4	250	Oct 14 09:31 2004	Oct 14 09:26 2004	
5	500	Oct 14 09:31 2004	Oct 14 09:27 2004	
6	1100	Oct 14 09:31 2004	Oct 14 09:27 2004	
7	5000	Oct 14 09:31 2004	Oct 14 09:28 2004	
8	10k	Oct 14 09:31 2004	Oct 14 09:28 2004	
9	15k	Oct 14 09:31 2004	Oct 14 09:28 2004	

GAS_10132004.M Thu Oct 14 09:47:31 2004

Sequence Log

Directory : i:\2\DATA\10132004

#	Filename	Sample Name	Date/Time
1	cs12284.d	bfb tune	10/13/04 09:38
2	cs12290.d	RT standard	10/13/04 16:09
3	cs12293.d	50 ug/L gro ical	10/13/04 17:24
4	cs12294.d	100 ug/L gro ical	10/13/04 17:48
5	cs12295.d	250 ug/L gro ical	10/13/04 18:13
6	cs12296.d	500 ug/L gro ical	10/13/04 18:38
7	cs12297.d	1100 ug/L gro ical	10/13/04 19:03
8	cs12298.d	5000 ug/L gro ical	10/13/04 19:27
9	cs12299.d	10000 ug/L gro ical	10/13/04 19:52
10	cs12300.d	15000 ug/L gro ical	10/13/04 20:17
11	cs12301.d	25000 ug/L gro ical	10/13/04 20:42
12	cs12302.d	rinse	10/13/04 21:06
13	cs12303.d	rinse	10/13/04 21:31
14	cs12304.d	1250 ug/L gro icv	10/13/04 21:56

Response Factor Report Instrumen

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004

Calibration Files
= 50 =CS12293.D 100 =CS12294.D
250 =CS12295.D 500 =CS12296.D 1100 =CS12297.D

		Compound	50	100	250	500	1100	Avg		%RSD
1)	S	Fluorobenzene (I	1.198	1.196	1.191	1.192	1.202	1.637	1.783 E5	49.42
2)	S	Trifluorotoluene	0.735	0.742	0.768	0.803	0.837	0.984	0.862 E5	18.24
3)	S	1-Chloro-3-fluor	8.258	8.304	8.510	8.407	8.405	8.543	8.507 E4	3.41
4)	S	Bromofluorobenze	6.205	6.349	6.507	6.487	6.565	6.868	6.578 E4	4.50
5)	S	Pentafluorobenze	0.668	0.694	0.788	0.848	0.993	1.530	1.068 E5	45.73
6)	H	Gasoline By NWTP	5.952	5.276	5.071	4.987	4.939	5.012	5.235 E4	5.86
7)	H	Gasoline By AK10	7.088	6.141	5.779	5.667	5.466	5.282	5.749 E4	9.84
8)	H	8015 (nC6-nC12)	8.758	7.673	7.272	7.137	6.949	6.824	7.315 E4	8.10
9)	H	CA 8015B	8.494	7.904	7.329	7.243	7.030	6.720	7.199 E4	9.10

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12290.D Vial: 2
Acq On : 10-13-2004 04:09:49 PM Operator: crf
Sample : RT standard Inst : Instrumen
Misc : 1188-90-15 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:20 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.57	11978376	67.164 ug/L
2) S Trifluorotoluene (S)	5.47	6601005	82.202 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	82.20%
3) S 1-Chloro-3-fluorobenzene(S	8.39	7786084	91.523 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	91.52%
4) S Bromofluorobenzene(S)	11.14	6014933	91.443 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	91.44%
5) S Pentafluorobenzene (S)	3.84	5834566	71.411 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	71.41%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	27893388	532.789 ug/L
7) H Gasoline By AK101	7.00	21365049	371.614 ug/L
8) H 8015 (nC6-nC12)	9.00	29916624	408.982 ug/L
9) H CA 8015B	7.00	28046400	389.581 ug/L

Quantitation Report (Not Reviewed)

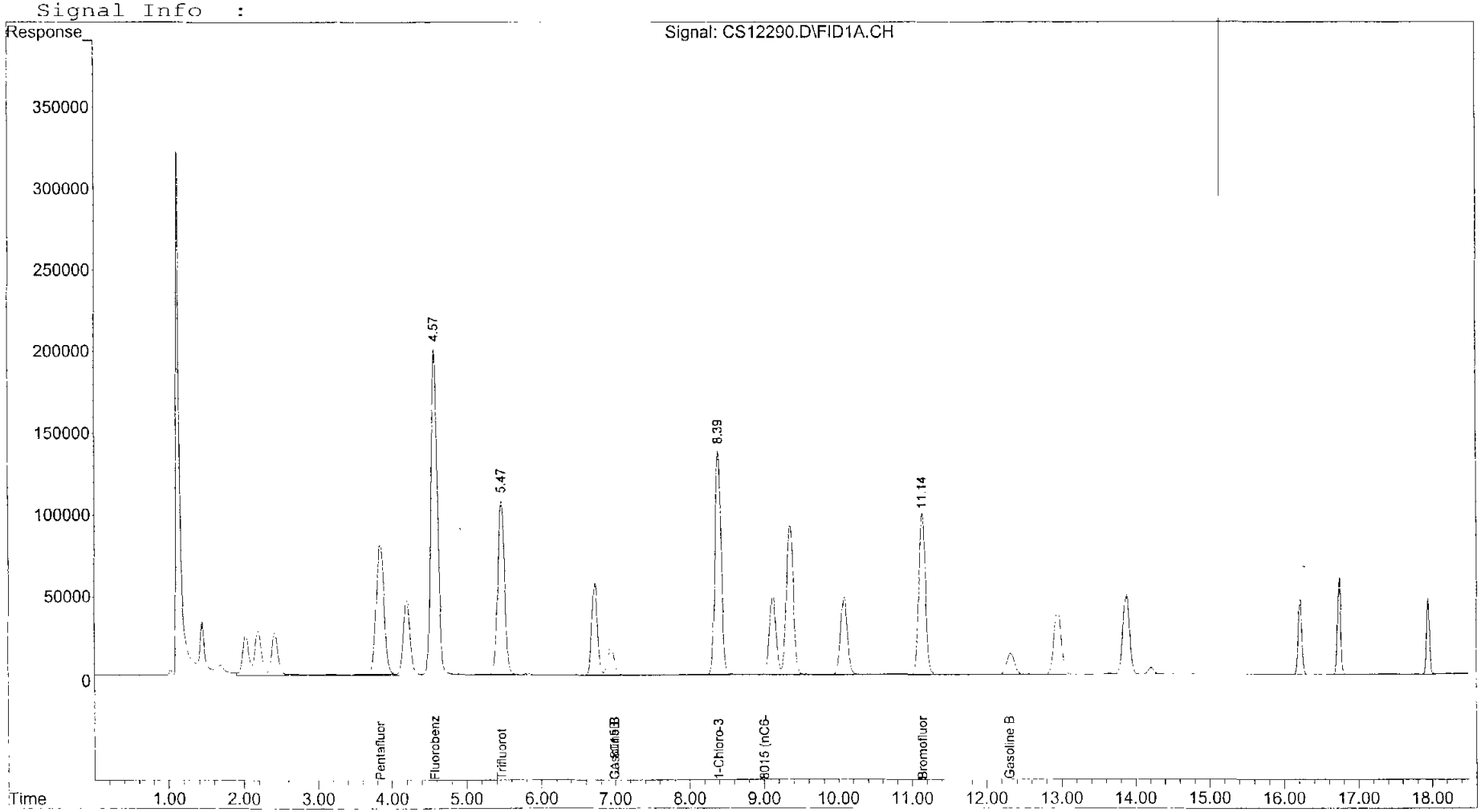
Data File : I:\2\DATA\10132004\CS12290.D
Acq On : 10-13-2004 04:09:49 PM
Sample : RT standard
Misc : 1188-90-15
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Vial: 2
Operator: crf
Inst : Instrumen
Multiplr: 1.00

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

46699



Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12293.D Vial: 5
Acq On : 10-13-2004 05:24:16 PM Operator: crf
Sample : 50 ug/L gro ical Inst : Instrumen
Misc : 1188-91-01 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:23 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11978014	67.162 ug/L
2) S Trifluorotoluene (S)	5.47	1470625	19.200 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	19.20%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	1651627	19.414 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	19.41%#
4) S Bromofluorobenzene(S)	11.14	1241027	18.867 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	18.87%#
5) S Pentafluorobenzene (S)	3.85	1335922	17.086 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	17.09%#
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	2975762	56.840 ug/L
7) H Gasoline By AK101	7.00	3543815	61.640 ug/L
8) H 8015 (nC6-nC12)	9.00	4379219	59.867 ug/L
9) H CA 8015B	7.00	4247044	58.994 ug/L

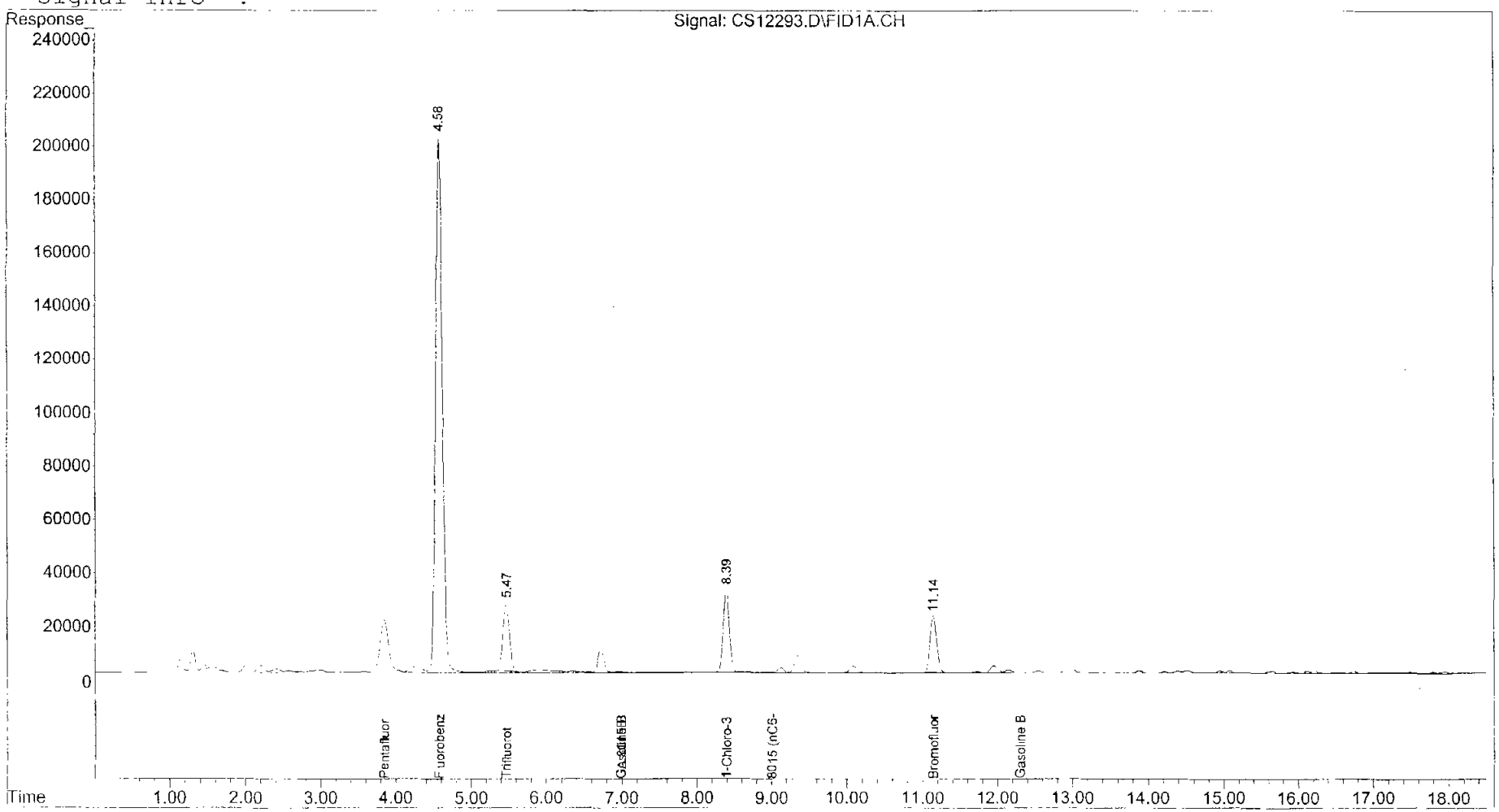
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12293.D
Acq On : 10-13-2004 05:24:16 PM
Sample : 50 ug/L gro ical
Misc : 1188-91-01
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Vial: 5
Operator: crf
Inst : Instrumen
Multiplr: 1.00

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46703

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12294.D Vial: 6
Acq On : 10-13-2004 05:48:58 PM Operator: crf
Sample : 100 ug/L gro ical Inst : Instrumen
Misc : 1188-91-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:25 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

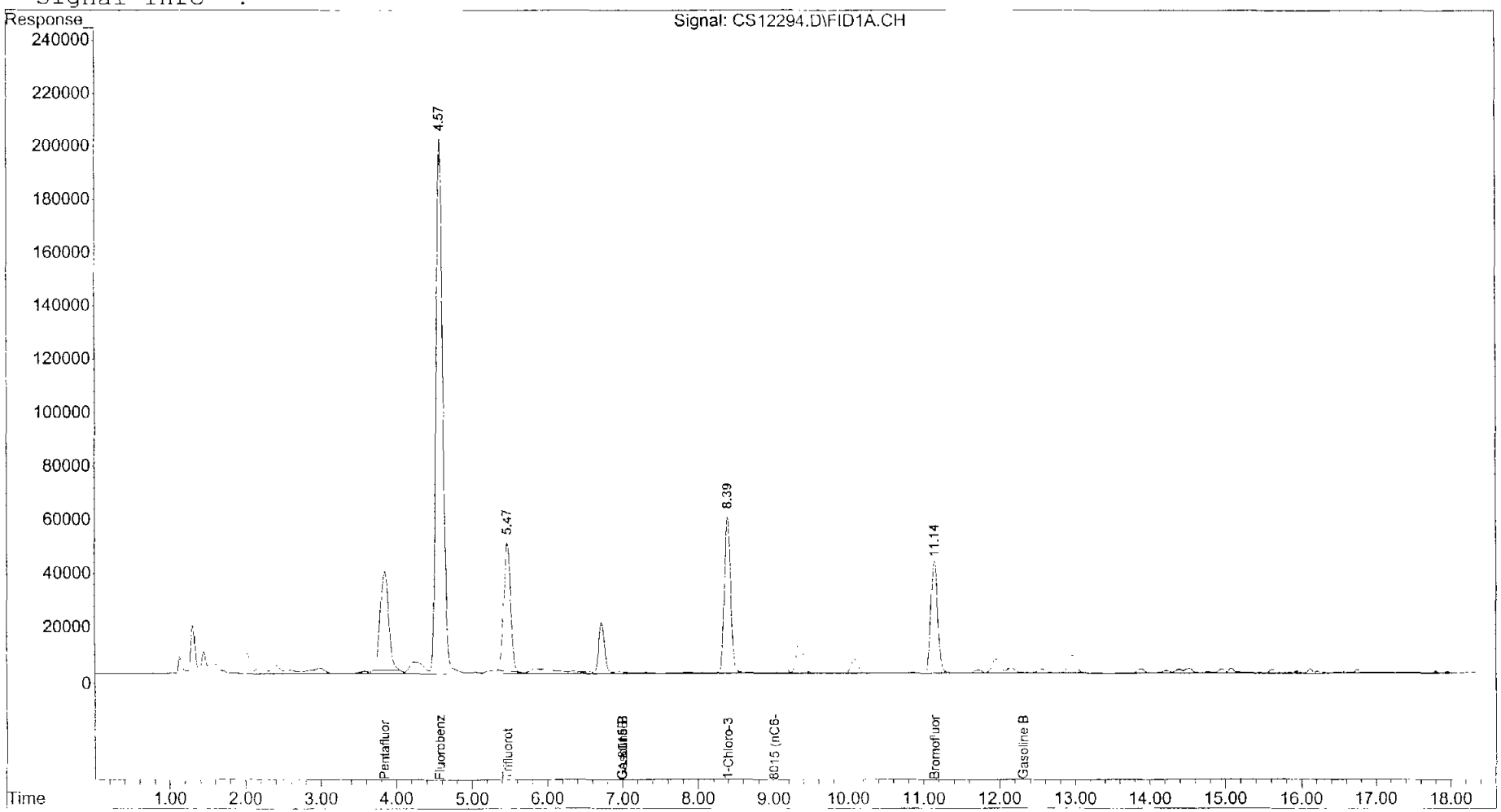
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11956699	67.043 ug/L
2) S Trifluorotoluene (S)	5.47	2966379	41.133 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	41.13%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	3321648	39.045 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	39.05%#
4) S Bromofluorobenzene(S)	11.14	2539548	38.608 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	38.61%#
5) S Pentafluorobenzene (S)	3.84	2776585	43.077 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	43.08%#
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	5275977	100.776 ug/L
7) H Gasoline By AK101	7.00	6141330	106.820 ug/L
8) H 8015 (nC6-nC12)	9.00	7673349	104.900 ug/L
9) H CA 8015B	7.00	7904404	109.797 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12294.D Vial: 6
Acq On : 10-13-2004 05:48:58 PM Operator: crf
Sample : 100 ug/L gro ical Inst : Instrumen
Misc : 1188-91-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46707

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12295.D Vial: 7
Acq On : 10-13-2004 06:13:41 PM Operator: crf
Sample : 250 ug/L gro ical Inst : Instrumen
Misc : 1188-91-03 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:28 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

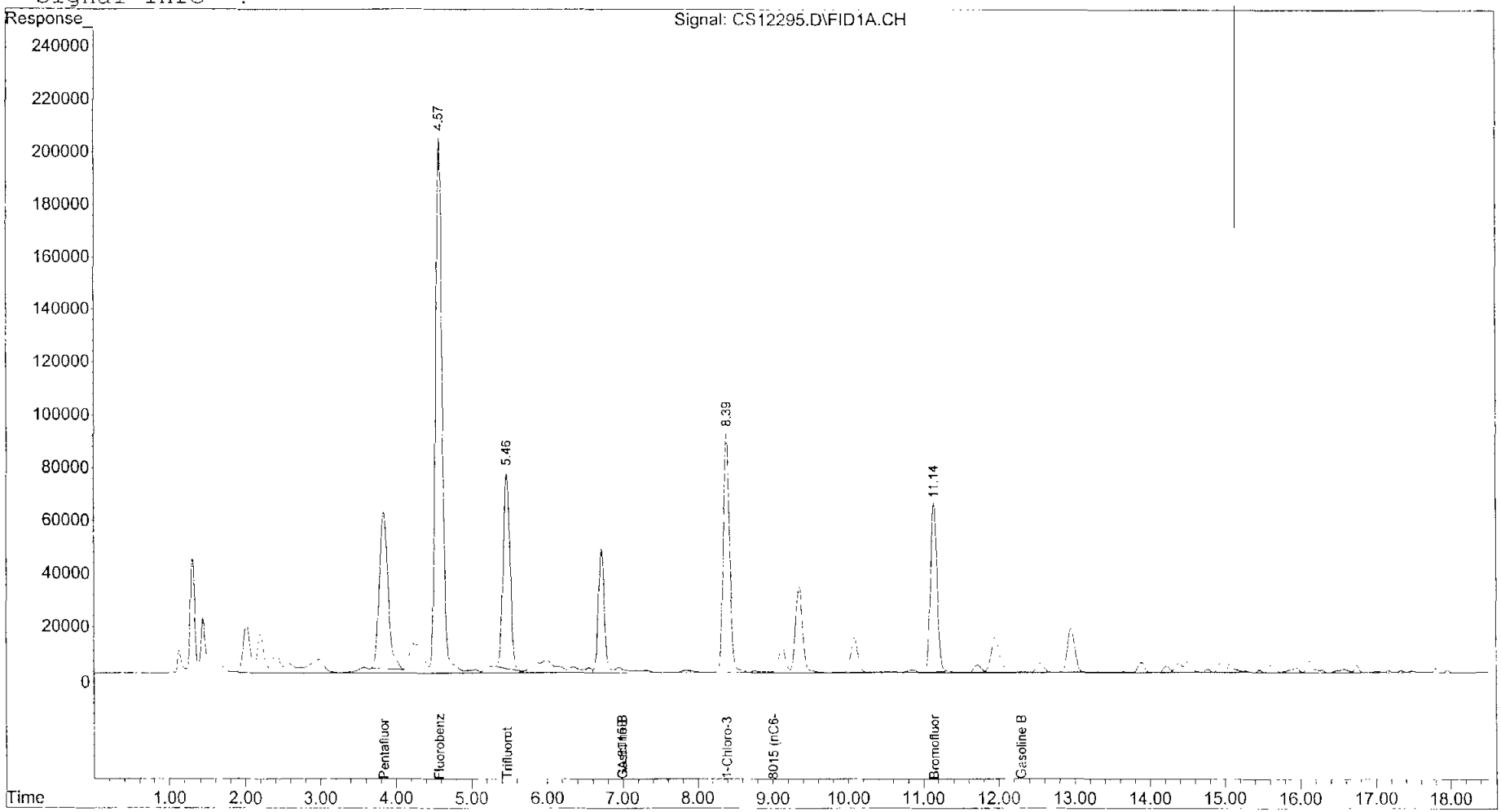
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.57	11911728	66.791 ug/L
2) S Trifluorotoluene (S)	5.47	4608214	61.219 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	61.22%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	5106130	60.021 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	60.02%
4) S Bromofluorobenzene(S)	11.14	3904105	59.353 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	59.35%#
5) S Pentafluorobenzene (S)	3.84	4729535	62.703 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	62.70%#
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	12678384	242.169 ug/L
7) H Gasoline By AK101	7.00	14448693	251.314 ug/L
8) H 8015 (nC6-nC12)	9.00	18179092	248.522 ug/L
9) H CA 8015B	7.00	18321694	254.499 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12295.D Vial: 7
Acq On : 10-13-2004 06:13:41 PM Operator: crf
Sample : 250 ug/L gro ical Inst : Instrumen
Misc : 1188-91-03 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46711

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12296.D Vial: 8
Acq On : 10-13-2004 06:38:22 PM Operator: crf
Sample : 500 ug/L gro ical Inst : Instrumen
Misc : 1188-91-04 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:30 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

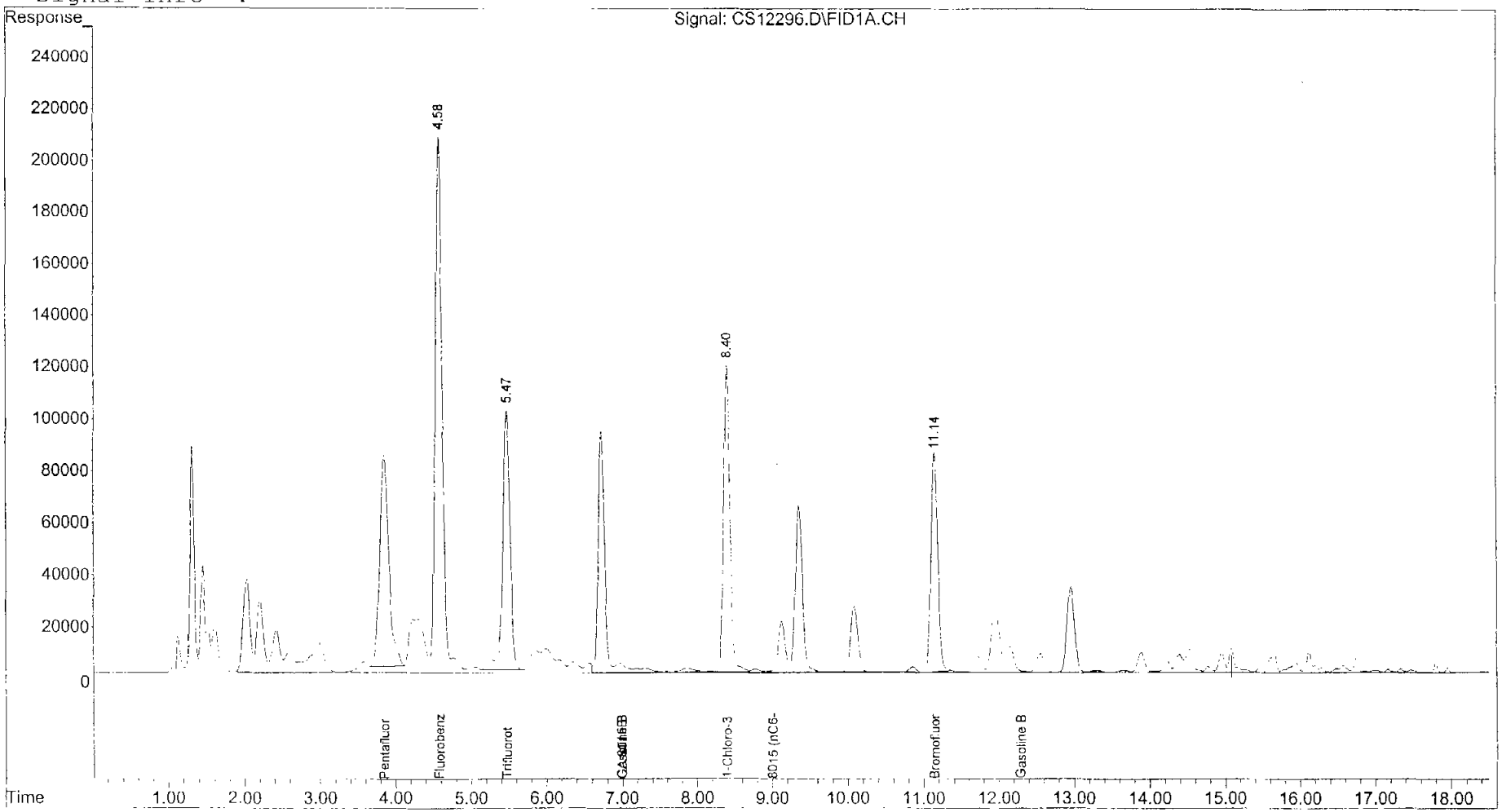
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11917540	66.823 ug/L
2) S Trifluorotoluene (S)	5.47	6764722	83.803 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	83.80%
3) S 1-Chloro-3-fluorobenzene(S	8.40	6725450	79.056 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	79.06%
4) S Bromofluorobenzene(S)	11.15	5189535	78.895 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	78.89%
5) S Pentafluorobenzene (S)	3.85	6784751	78.113 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	78.11%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	24934683	476.275 ug/L
7) H Gasoline By AK101	7.00	27995098	486.934 ug/L
8) H 8015 (nC6-nC12)	9.00	35341788	483.148 ug/L
9) H CA 8015B	7.00	35872274	498.287 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12296.D Vial: 8
Acq On : 10-13-2004 06:38:22 PM Operator: crf
Sample : 500 ug/L gro ical Inst : Instrumen
Misc : 1188-91-04 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46715

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12297.D Vial: 9
Acq On : 10-13-2004 07:03:00 PM Operator: crf
Sample : 1100 ug/L gro ical Inst : Instrumen
Misc : 1188-91-05 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:33 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

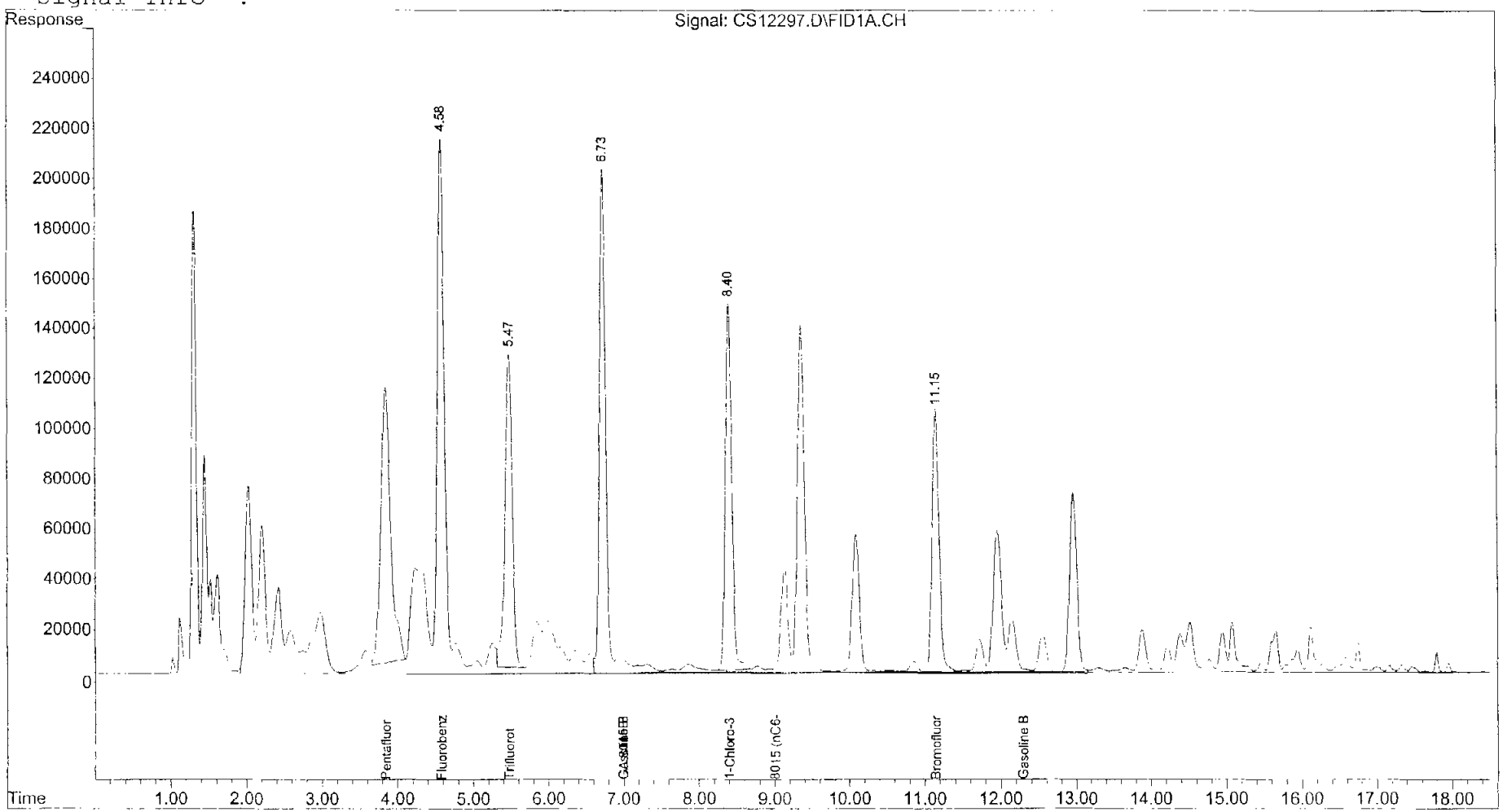
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	12017959	67.386 ug/L
2) S Trifluorotoluene (S)	5.48	8372218	98.745 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	98.75%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8646955	101.642 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	101.64%
4) S Bromofluorobenzene(S)	11.15	6564505	99.798 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	99.80%
5) S Pentafluorobenzene (S)	3.85	9930950	97.007 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	97.01%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	54087904	1033.128 ug/L
7) H Gasoline By AK101	7.00	59878783	1041.504 ug/L
8) H 8015 (nC6-nC12)	9.00	76201351	1041.728 ug/L
9) H CA 8015B	7.00	77087797	1070.794 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12297.D Vial: 9
Acq On : 10-13-2004 07:03:00 PM Operator: crf
Sample : 1100 ug/L gro ical Inst : Instrumen
Misc : 1188-91-05 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46719

61339

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12298.D Vial: 10
Acq On : 10-13-2004 07:27:48 PM Operator: crf
Sample : 5000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-06 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:35 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	16367551	91.775 ug/L
2) S Trifluorotoluene (S)	5.47	14760156	148.484 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery	= 148.48%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	12813955	150.624 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 150.62%#
4) S Bromofluorobenzene(S)	11.14	11036553	167.785 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery	= 167.79%#
5) S Pentafluorobenzene (S)	3.83	22947177	151.766 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery	= 151.77%#
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	249865857	4772.666 ug/L
7) H Gasoline By AK101	7.00	263348997	4580.573 ug/L
8) H 8015 (nC6-nC12)	9.00	340441866	4654.091 ug/L
9) H CA 8015B	7.00	335245303	4656.751 ug/L

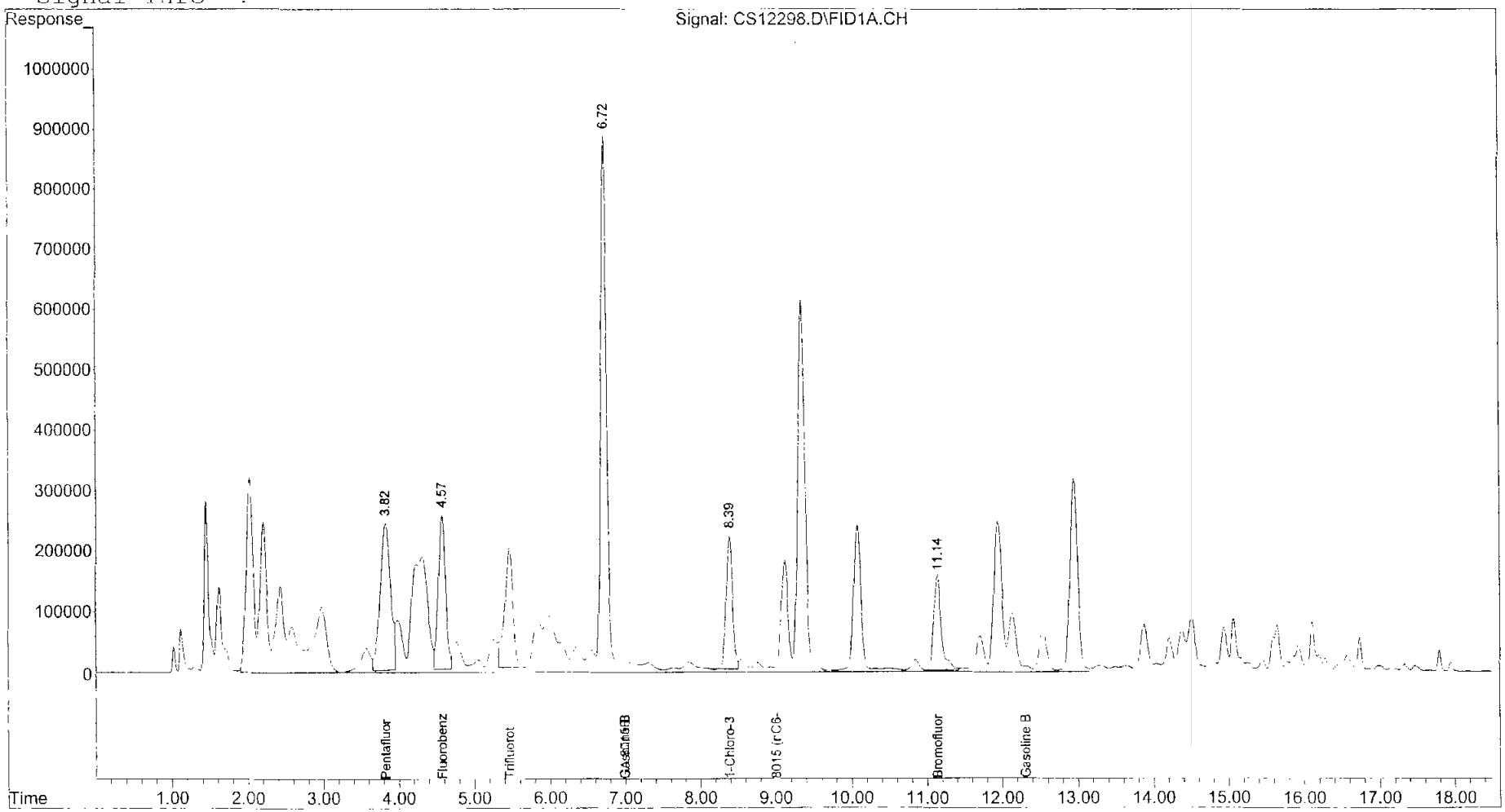
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12298.D
Acq On : 10-13-2004 07:27:48 PM
Sample : 5000 ug/L gro ical
Misc : 1188-91-06
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Vial: 10
Operator: crf
Inst : Instrumen
Multiplr: 1.00

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46723

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12299.D Vial: 11
Acq On : 10-13-2004 07:52:35 PM Operator: crf
Sample : 10000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-07 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:38 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	20865829	116.997 ug/L
2) S Triflucrotoluene (S)	5.47	23230793	200.974 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery	= 200.97%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	18248671	214.507 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 214.51%#
4) S Bromofluorobenzene(S)	11.14	16922351	257.264 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery	= 257.26%#
5) S Pentafluorobenzene (S)	3.83	39092256	199.686 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery	= 199.69%#
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	522934110	9988.518 ug/L
7) H Gasoline By AK101	7.00	546856570	9511.775 ug/L
8) H 8015 (nC6-nC12)	9.00	708339951	9683.528 ug/L
9) H CA 8015B	7.00	688891269	9569.099 ug/L

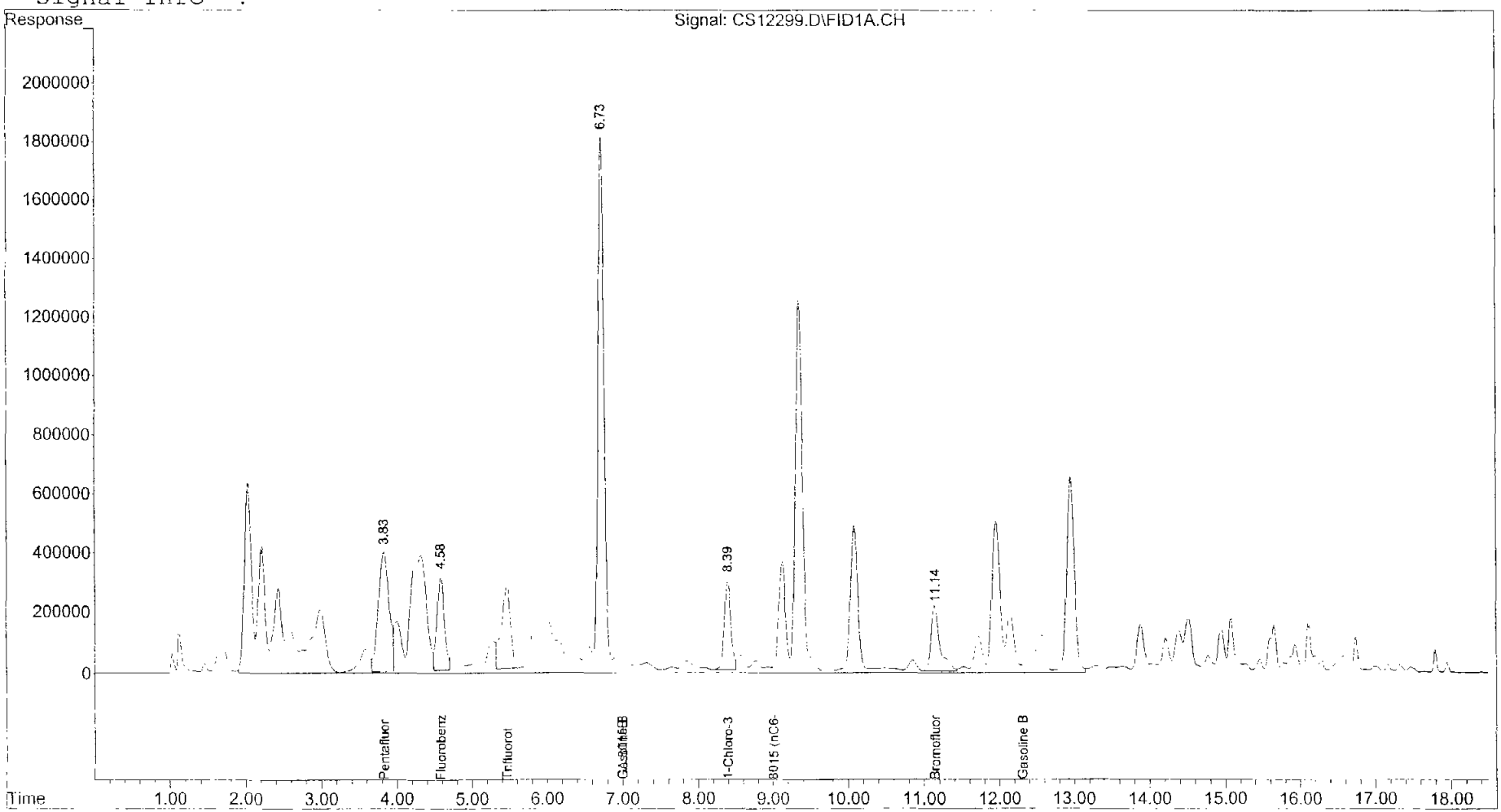
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12299.D
Acq On : 10-13-2004 07:52:35 PM
Sample : 10000 ug/L gro ical
Misc : 1188-91-07
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Vial: 11
Operator: crf
Inst : Instrumen
Multiplr: 1.00

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46727

01343

Quantitation Report (QT Reviewed)

Data File : I:\2\DATA\10132004\CS12300.D Vial: 12
Acq On : 10-13-2004 08:17:21 PM Operator: crf
Sample : 15000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:41 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

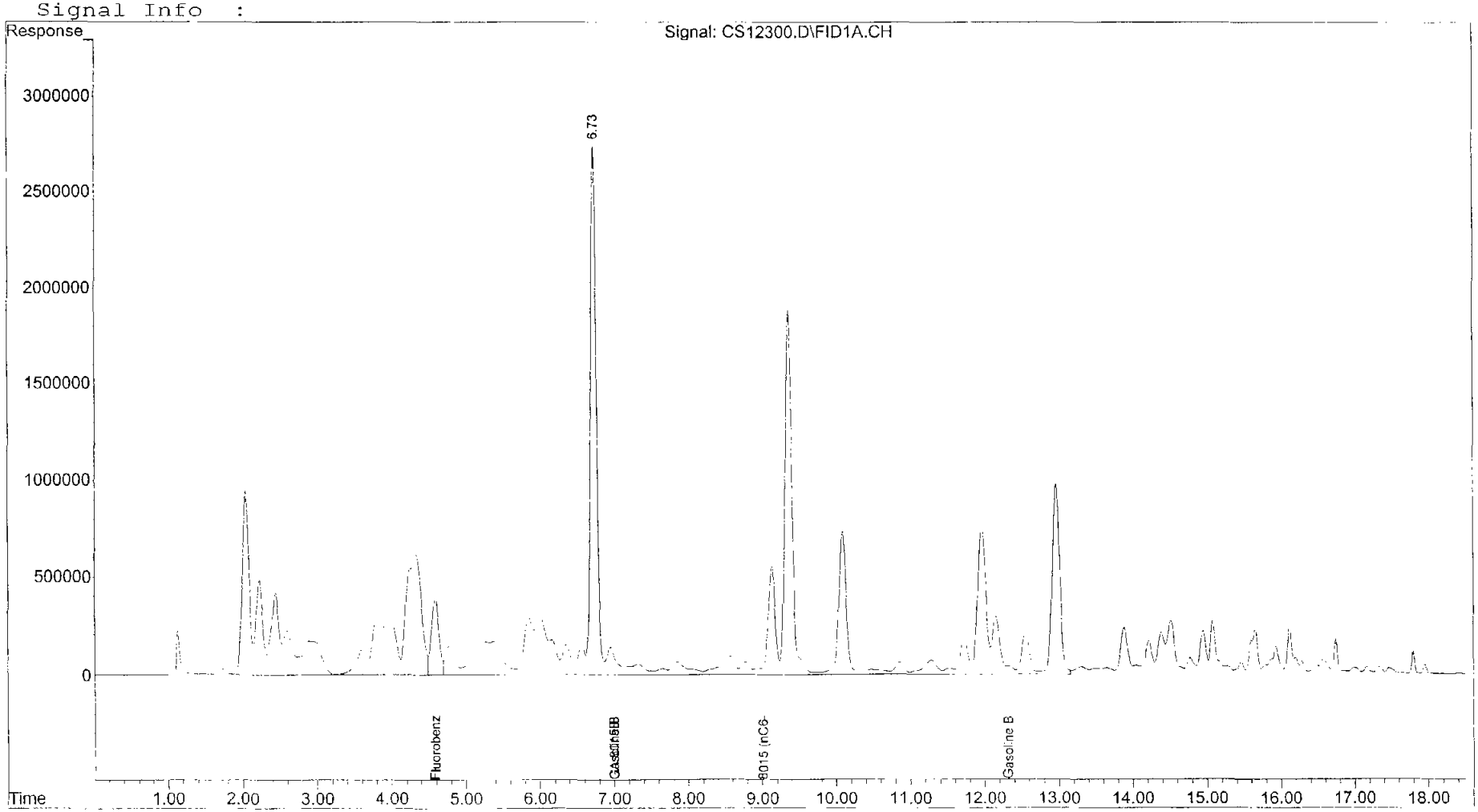
		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	Fluorobenzene (I)	4.59	26730561	149.882	ug/L
		Target Compounds				
6)	H	Gasoline By NWTPH-G	12.30	796517485	15214.210	ug/L
7)	H	Gasoline By AK101	7.00	825782691	14363.289	ug/L
8)	H	8015 (nC6-nC12)	9.00	1070165903	14629.954	ug/L
9)	H	CA 8015B	7.00	1024510635	14231.046	ug/L

Quantitation Report (QT Reviewed)

Data File : I:\2\DATA\10132004\CS12300.D Vial: 12
Acq On : 10-13-2004 08:17:21 PM Operator: crf
Sample : 15000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-08 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:57 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46731

01345

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12301.D Vial: 13
Acq On : 10-13-2004 08:42:04 PM Operator: crf
Sample : 25000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-09 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 10:25:30 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:25:25 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

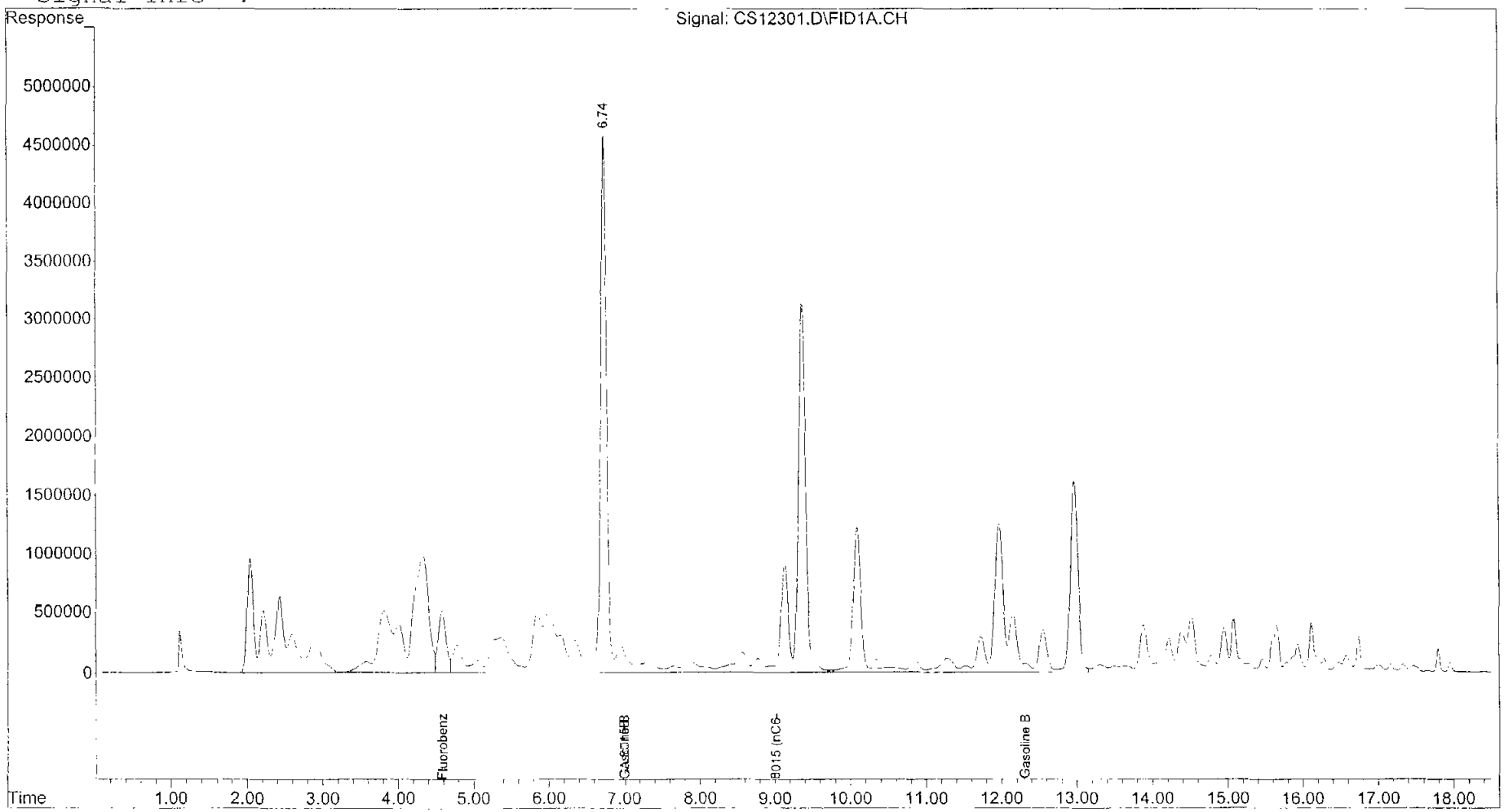
		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	Fluorobenzene (I)	4.58	36763946	206.140	ug/L
		Target Compounds				
6)	H	Gasoline By NWTPH-G	12.30	1343695388	25665.807	ug/L
7)	H	Gasoline By AK101	7.00	1454394606	25297.079	ug/L
8)	H	8015 (nC6-nC12)	9.00	1868550415	25544.457	ug/L
9)	H	CA 8015B	7.00	1706152777	23699.450	ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12301.D Vial: 13
Acq On : 10-13-2004 08:42:04 PM Operator: crf
Sample : 25000 ug/L gro ical Inst : Instrumen
Misc : 1188-91-09 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 10:25 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:25:25 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46735

01347

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12304.D Vial: 16
Acq On : 10-13-2004 09:56:05 PM Operator: crf
Sample : 1250 ug/L gro icv Inst : Instrumen
Misc : 1188-91-10 Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 09:37:45 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

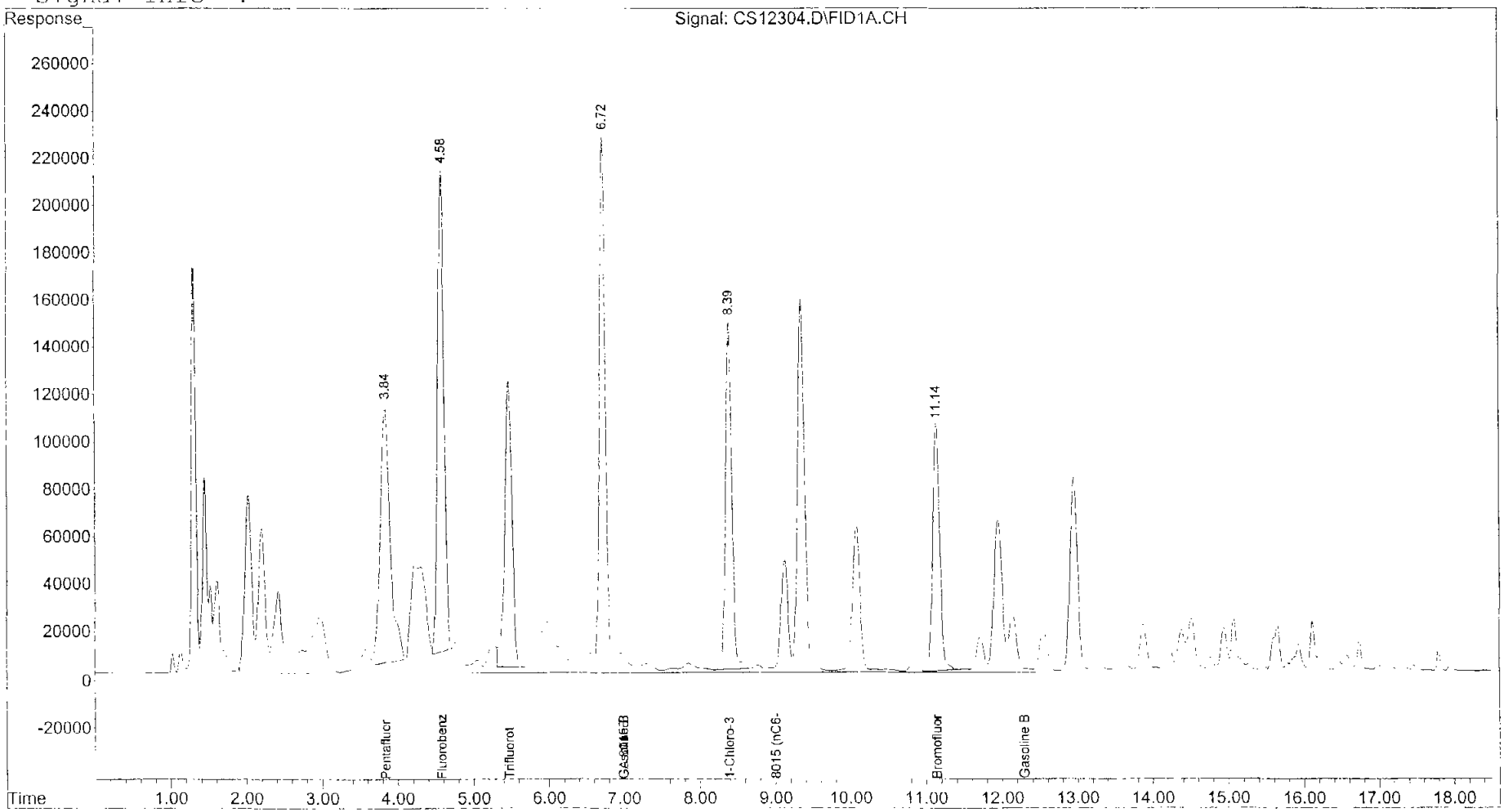
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11954861	67.032 ug/L
2) S Trifluorotoluene (S)	5.47	8071701	96.050 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	96.05%
3) S 1-Chloro-3-fluorobenzene(S	8.39	8629449	101.436 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	101.44%
4) S Bromofluorobenzene(S)	11.14	6567644	99.846 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	99.85%
5) S Pentafluorobenzene (S)	3.84	9851511	96.576 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	96.58%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	60973623	1164.652 ug/L
7) H Gasoline By AK101	7.00	65468167	1138.724 ug/L
8) H 8015 (nC6-nC12)	9.00	84246386	1151.710 ug/L
9) H CA 8015B	7.00	83664103	1162.143 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\10132004\CS12304.D
Vial: 16
Acq On : 10-13-2004 09:56:05 PM
Operator: crf
Sample : 1250 ug/L gro icv
Inst : Instrumen
Misc : 1188-91-10
Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 14 9:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:33:12 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46739

01349

Evaluate Continuing Calibration Report

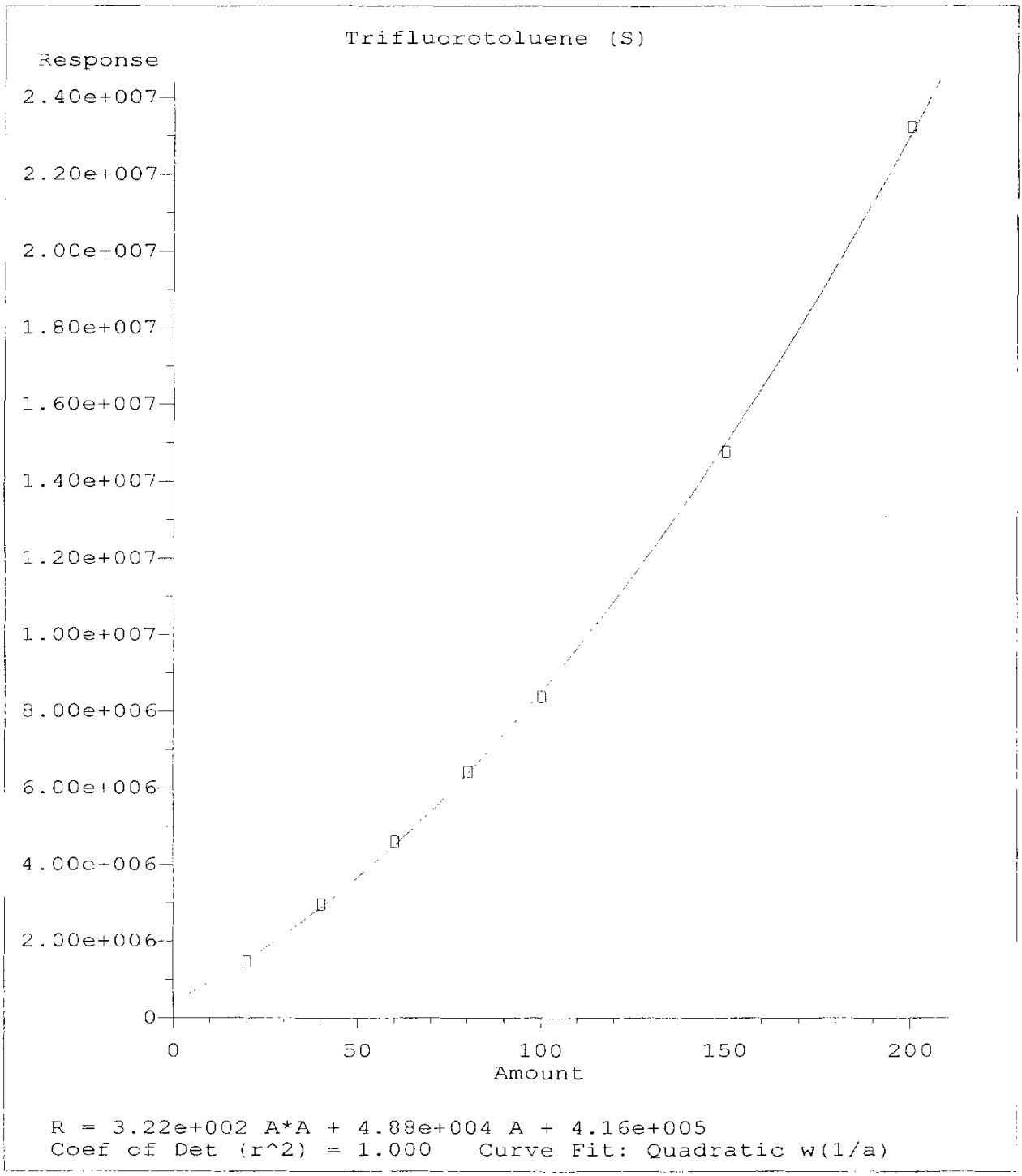
Data File : I:\2\DATA\10132004\CS12304.D Vial: 16
Acq On : 10-13-2004 09:56:05 PM Operator: crf
Sample : 1250 ug/L gro icv Inst : Instrumen
Misc : 1188-91-10 Multiplr: 1.00
IntFile : events.e

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 09:49:08 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

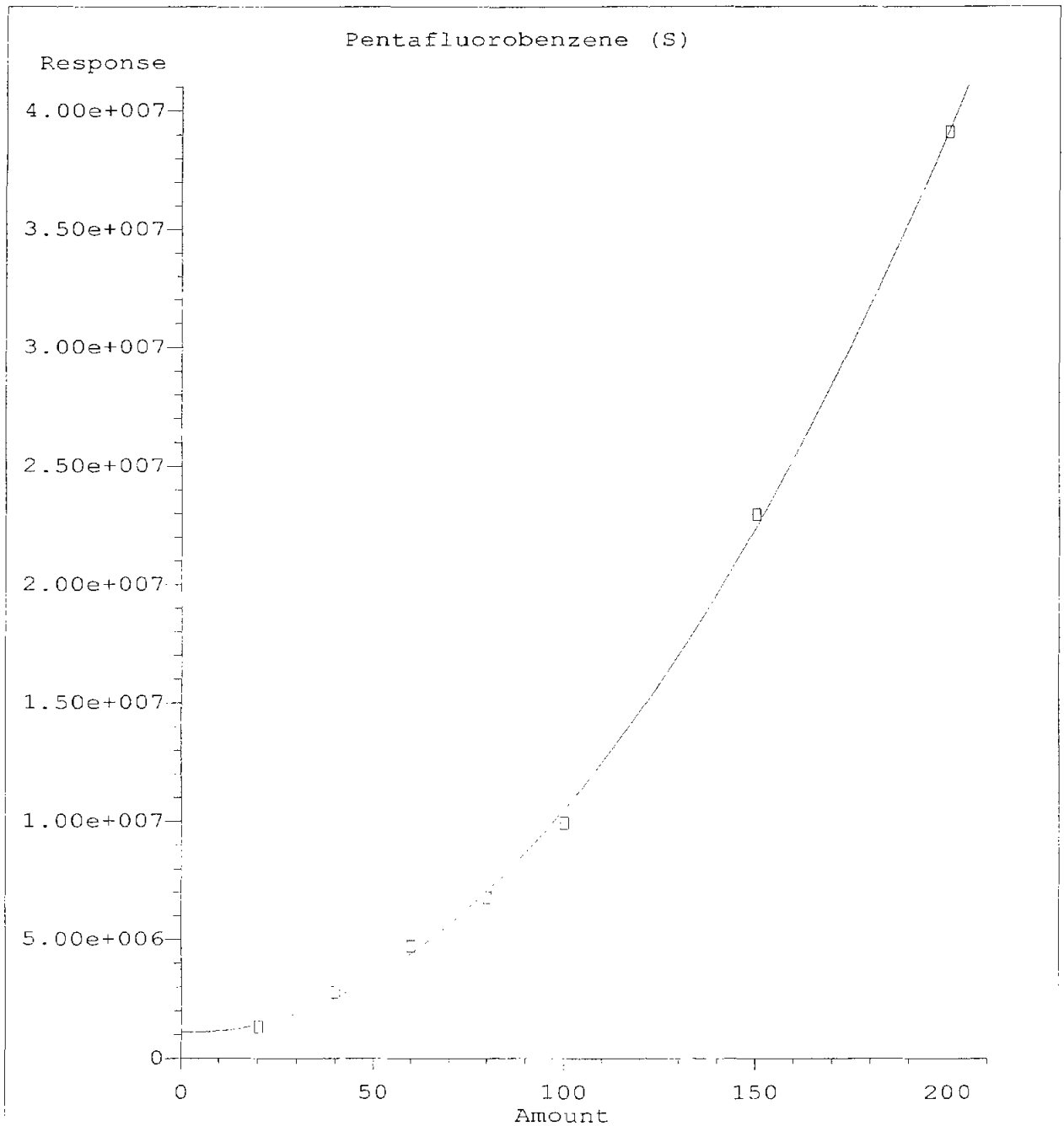
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Fluorobenzene (I)	100.000	67.032	33.0#	0	0.00
2	S	Trifluorotoluene (S)	100.000	96.050	4.0	0	0.00
3	S	1-Chloro-3-fluorobenzene(S)	100.000	101.436	-1.4	0	0.00
4	S	Bromofluorobenzene(S)	100.000	99.846	0.2	0	0.00
5	S	Pentafluorobenzene (S)	100.000	96.576	3.4	0	0.00
6	H	Gasoline By NWTPH-G	1250.000	1164.652	6.8	0	0.00
7	H	Gasoline By AK101	1250.000	1138.724	8.9	0	0.00
8	H	8015 (nC6-nC12)	1250.000	1151.710	7.9	0	0.00
9	H	CA 8015B	1250.000	1162.143	7.0	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CS12304.D GAS_10132004.M Thu Oct 14 09:51:17 2004 Page 1



Method Name: I:\2\METHODS\GAS_10132004.M
Calibration Table Last Updated: Thu Oct 14 09:33:12 2004

01351



R = 9.66e+002 A*A - 2.71e+003 A + 1.10e+006
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)

Method Name: I:\2\METHODS\GAS_10132004.M
Calibration Table Last Updated: Thu Oct 14 09:33:12 2004

CONTINUING CALIBRATION

01353

Sequence Log

Directory : i:\2\DATA\11302004

#	Filename	Sample Name	Date/Time
1	cs13170.d	RT standard	11/30/04 08:45
2	cs13171.d	1100 ug/L gro ccal	11/30/04 09:10
3	cs13173.d	MB gb4025	11/30/04 10:50
4	cs13174.d	1250 ug/L BS gro/aromatics gb4025	11/30/04 11:15
5	cs13175.d	1250 ug/L BSD gro/aromatics gb4025	11/30/04 11:39
6	cs13176.d	124945-3 gb4028	11/30/04 13:15
7	cs13177.d	124945-3 dup gb4028	11/30/04 13:40
8	cs13178.d	124999-2 gb4025	11/30/04 15:09
9	cs13179.d	124999-3 gb4025	11/30/04 15:33
10	cs13180.d	124999-5 gb4025	11/30/04 15:58
11	cs13181.d	124999-11 gb4025	11/30/04 16:23
12	cs13182.d	124999-12 gb4025	11/30/04 16:47
13	cs13183.d	124999-14 gb4025	11/30/04 17:12
14	cs13184.d	124999-21 gb4025	11/30/04 17:37
15	cs13185.d	124999-22 gb4025	11/30/04 18:01
16	cs13186.d	124999-24 gb4025	11/30/04 18:26
17	cs13187.d	124999-31 gb4025	11/30/04 18:51
18	cs13188.d	124999-32 gb4025	11/30/04 19:16
19	cs13189.d	124999-34 gb4025	11/30/04 19:40
20	cs13191.d	1100 ug/L gro ccal	11/30/04 20:30
21	cs13192.d	MB gb4028	11/30/04 20:54
22	cs13193.d	1250 ug/L BS gro/aromatics gb4028	11/30/04 21:19
23	cs13194.d	1250 ug/L BSD gro/aromatics gb4028	11/30/04 21:44
24	cs13195.d	124993-2 gb4028	11/30/04 22:08
25	cs13196.d	124993-3 gb4028	11/30/04 22:33
26	cs13197.d	124993-4 gb4028	11/30/04 22:58
27	cs13198.d	124993-6 gb4028	11/30/04 23:23
28	cs13199.d	124993-7 gb4028	11/30/04 23:47
29	cs13200.d	124993-17 gb4028	12/01/04 00:12
30	cs13201.d	124993-18 gb4028	12/01/04 00:37
31	cs13202.d	124993-19 gb4028	12/01/04 01:01
32	cs13203.d	124993-20 gb4028	12/01/04 01:26
33	cs13204.d	124993-20 MS gb4028	12/01/04 01:51
34	cs13205.d	124993-20 MSD gb4028	12/01/04 02:15
35	cs13206.d	124993-7 MS gb4028	12/01/04 02:40
36	cs13207.d	124993-7 MSD gb4028	12/01/04 03:05
37	cs13209.d	1100 ug/L gro ccal	12/01/04 03:54
38	cs13210.d	MB gb4029	12/01/04 04:19
39	cs13211.d	1250 ug/L BS gro/aromatics gb4029	12/01/04 04:44
40	cs13212.d	1250 ug/L BSD gro/aromatics gb4029	12/01/04 05:08
41	cs13213.d	125059-10 gb4029	12/01/04 05:33
42	cs13214.d	125059-12 gb4029	12/01/04 05:58
43	cs13215.d	125059-13 gb4029	12/01/04 06:22
44	cs13216.d	125059-14 gb4029	12/01/04 06:47
45	cs13217.d	125059-16 gb4029	12/01/04 07:12
46	cs13218.d	125060-3 gb4029	12/01/04 07:36
47	cs13219.d	125060-4 gb4029	12/01/04 08:01
48	cs13220.d	125060-6 gb4029	12/01/04 08:26
49	cs13221.d	125060-8 gb4029	12/01/04 08:50
50	cs13222.d	125059-15 gb4029	12/01/04 09:15

Sequence Log

Directory : i:\2\DATA\11302004

#	Filename	Sample Name	Date/Time
51	cs13223.d	125059-15 MS gb4029	12/01/04 09:40
52	cs13224.d	125059-15 MSD gb4029	12/01/04 10:04
53	cs13226.d	125096-1 gb4029	12/01/04 10:54
54	cs13227.d	125059-8 1:20 gb4029	12/01/04 11:18
55	cs13228.d	125059-8 dup1:20 gb4029	12/01/04 11:43
56	cs13230.d	1100 ug/L gro ccal	12/01/04 12:32

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13170.D Vial: 2
Acq On : 11-30-2004 08:45:52 AM Operator: crf
Sample : RT standard Inst : Instrumen
Misc : 1304-02-15 Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 30 10:34:03 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

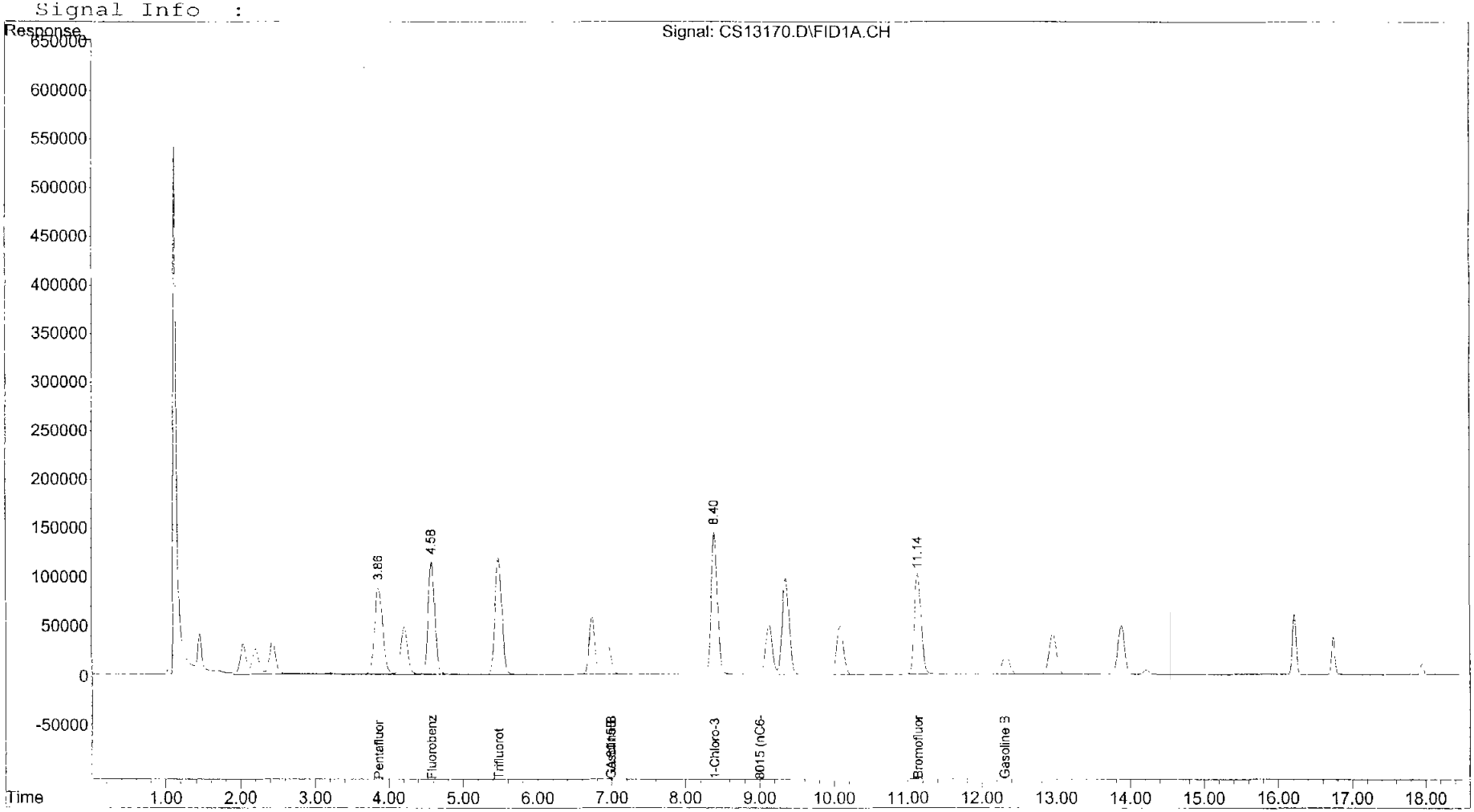
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6872899	38.537 ug/L
2) S Trifluorotoluene (S)	5.48	7464916	90.477 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	90.48%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8411971	98.880 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	98.88%
4) S Bromofluorobenzene(S)	11.14	6358465	96.665 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	96.67%
5) S Pentafluorobenzene (S)	3.87	6567029	76.630 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	76.63%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	29186627	557.491 ug/L
7) H Gasoline By AK101	7.00	23698616	412.203 ug/L
8) H 8015 (nC6-nC12)	9.00	33478958	457.682 ug/L
9) H CA 8015B	7.00	31299920	434.774 ug/L

Quantitation Report (Not Reviewed)

Data File : 1:\2\DATA\11302004\CS13170.D Vial: 2
Acq On : 11-30-2004 08:45:52 AM Operator: crf
Sample : RT standard Inst : Instrumen
Misc : 1304-02-15 Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 30 10:34 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46755

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13171.D Vial: 3
Acq On : 11-30-2004 09:10:36 AM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 30 10:34:34 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

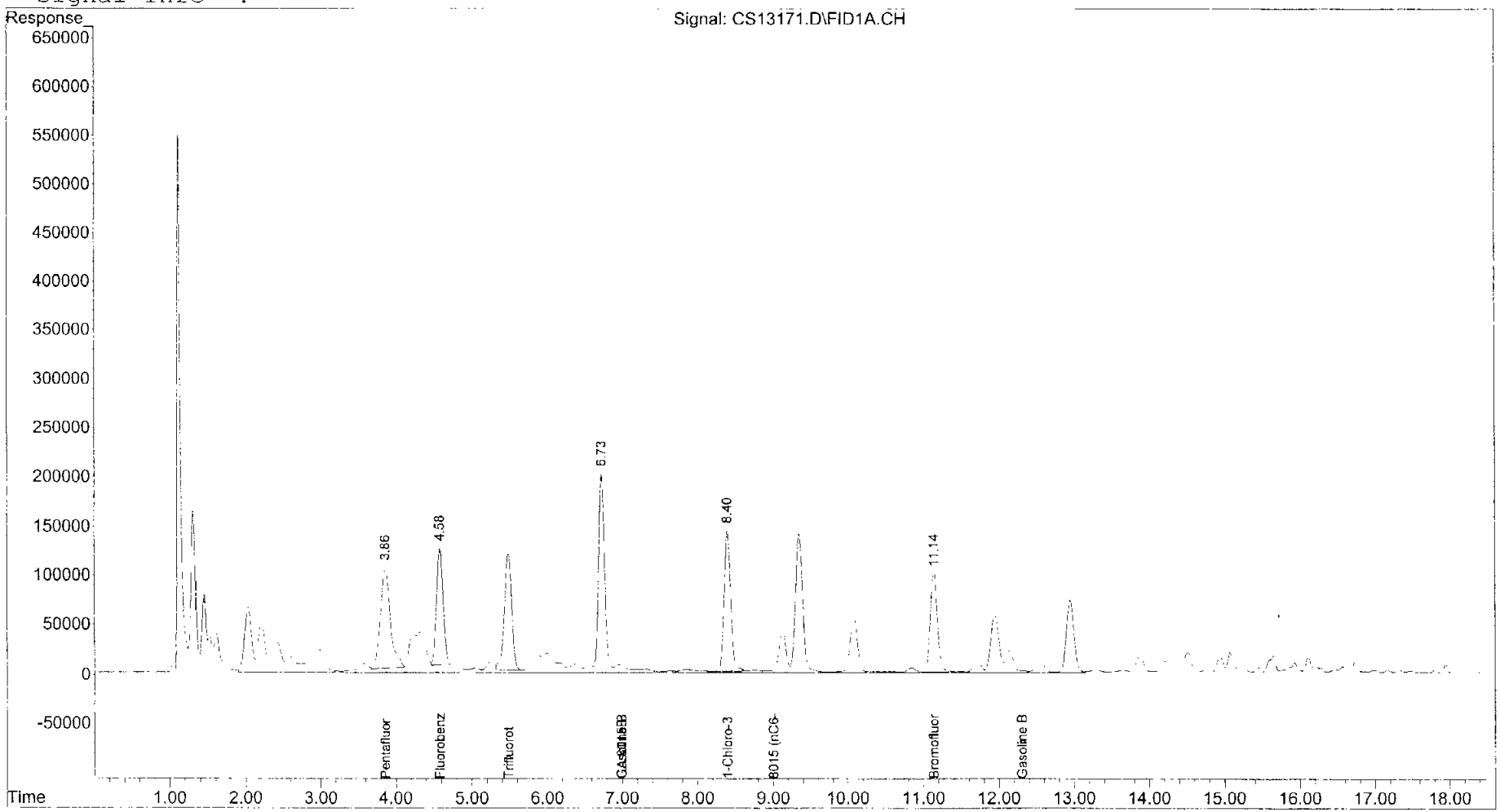
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.59	6944851	38.941 ug/L
2) S Trifluorotoluene (S)	5.48	7893117	94.429 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	94.43%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8497925	99.890 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	99.89%
4) S Bromofluorobenzene(S)	11.14	6429945	97.752 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	97.75%
5) S Pentafluorobenzene (S)	3.86	9241633	93.200 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	93.20%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	54489446	1040.798 ug/L
7) H Gasoline By AK101	7.00	58608756	1019.414 ug/L
8) H 8015 (nC6-nC12)	9.00	74944006	1024.540 ug/L
9) H CA 8015B	7.00	75731479	1051.954 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13171.D Vial: 3
Acq On : 11-30-2004 09:10:36 AM Operator: crf
Sample : 1100 ug/L gro ccal Inst : instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 30 10:34 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46759

01359

Evaluate Continuing Calibration Report

Data File : I:\2\DATA\11302004\CS13171.D Vial: 3
Acq On : 11-30-2004 09:10:36 AM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Fluorobenzene (I)	100.000	38.941	61.1#	58	0.01
2	S	Trifluorotoluene (S)	100.000	94.429	5.6	94	0.02
3	S	1-Chloro-3-fluorobenzene(S)	100.000	99.890	0.1	101	0.00
4	S	Bromofluorobenzene(S)	100.000	97.752	2.2	98	0.00
5	S	Pentafluorobenzene (S)	100.000	93.200	6.8	93	0.02
6	H	Gasoline By NWTPH-G	1100.000	1040.798	5.4	100	0.00
7	H	Gasoline By AK101	1100.000	1019.414	7.3	97	0.00
8	H	8015 (nC6-nC12)	1100.000	1024.540	6.9	98	0.00
9	H	CA 8015B	1100.000	1051.954	4.4	98	0.00

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13191.D Vial: 23
Acq On : 11-30-2004 08:30:12 PM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 01 11:12:41 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

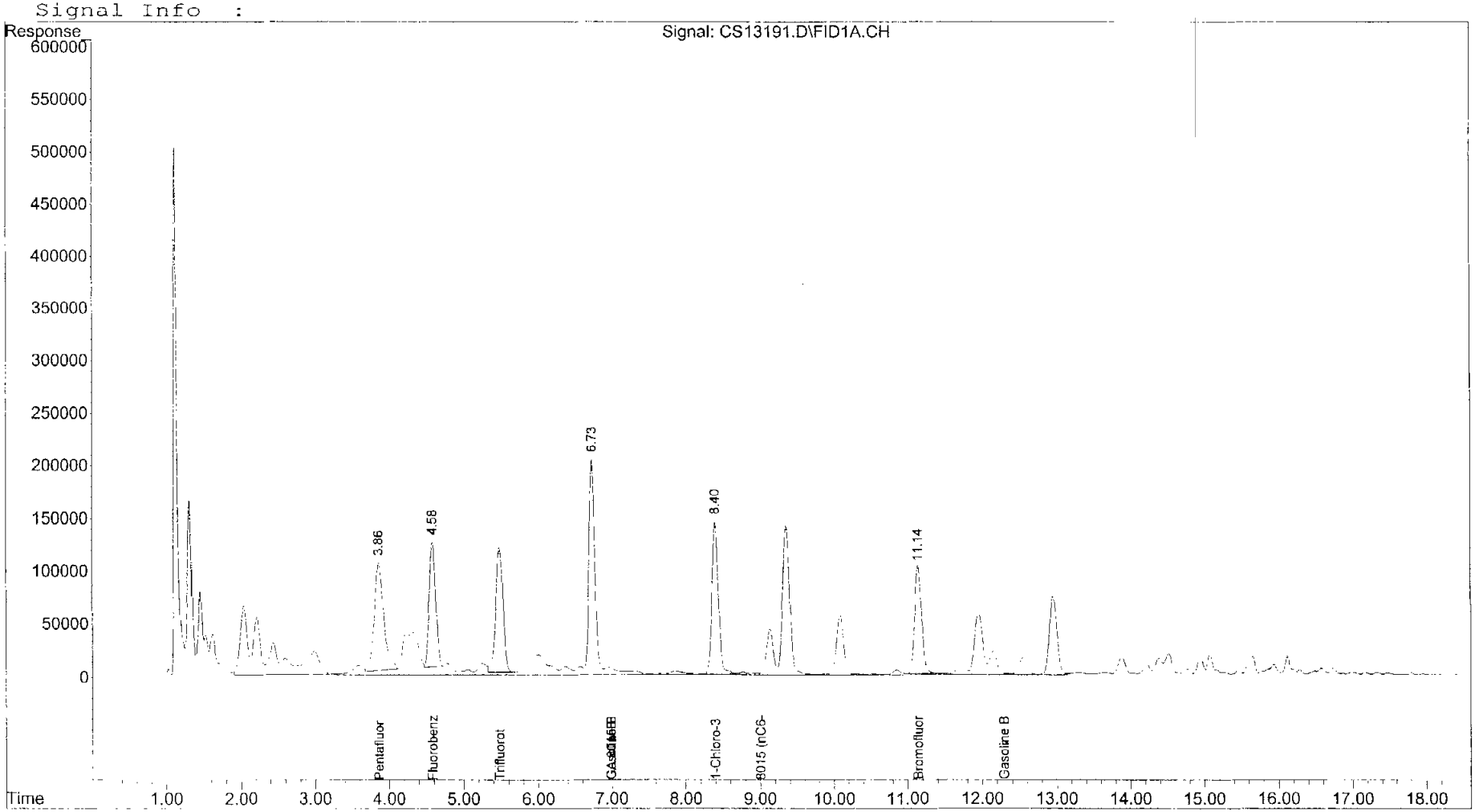
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6922884	38.818 ug/L
2) S Trifluorotoluene (S)	5.48	7901547	94.506 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	94.51%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8541583	100.404 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	100.40%
4) S Bromofluorobenzene(S)	11.14	6417868	97.569 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	97.57%
5) S Pentafluorobenzene (S)	3.86	9216296	93.057 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	93.06%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	53880362	1029.164 ug/L
7) H Gasoline By AK101	7.00	58928774	1024.980 ug/L
8) H 8015 (nC6-nC12)	9.00	75011566	1025.463 ug/L
9) H CA 8015B	7.00	75631908	1050.571 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13191.D
Vial: 23
Acq On : 11-30-2004 08:30:12 PM
Operator: crf
Sample : 1100 ug/L gro ccal
Inst : Instrumen
Misc : 1304-02-02
Multiplr: 1.00
IntFile : events.c
Quant Time: Dec 1 11:12 2004 Quant Results File: GAS_10132004.RES

Quant Method : T:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46765

01362

Evaluate Continuing Calibration Report

Data File : I:\2\DATA\11302004\CS13191.D Vial: 23
Acq On : 11-30-2004 08:30:12 PM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Fluorobenzene (I)	100.000	38.818	61.2#	58	0.01
2	S	Trifluorotoluene (S)	100.000	94.506	5.5	94	0.02
3	S	1-Chloro-3-fluorobenzene(S)	100.000	100.404	-0.4	102	0.00
4	S	Bromofluorobenzene(S)	100.000	97.569	2.4	98	0.00
5	S	Pentafluorobenzene (S)	100.000	93.057	6.9	93	0.02
6	H	Gasoline By NWTPH-G	1100.000	1029.164	6.4	99	0.00
7	H	Gasoline By AK101	1100.000	1024.980	6.8	98	0.00
8	H	8015 (nC6-nC12)	1100.000	1025.463	6.8	98	0.00
9	H	CA 8015B	1100.000	1050.571	4.5	98	0.00

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13209.D Vial: 41
Acq On : 12-1-2004 03:54:44 AM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 01 11:12:54 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

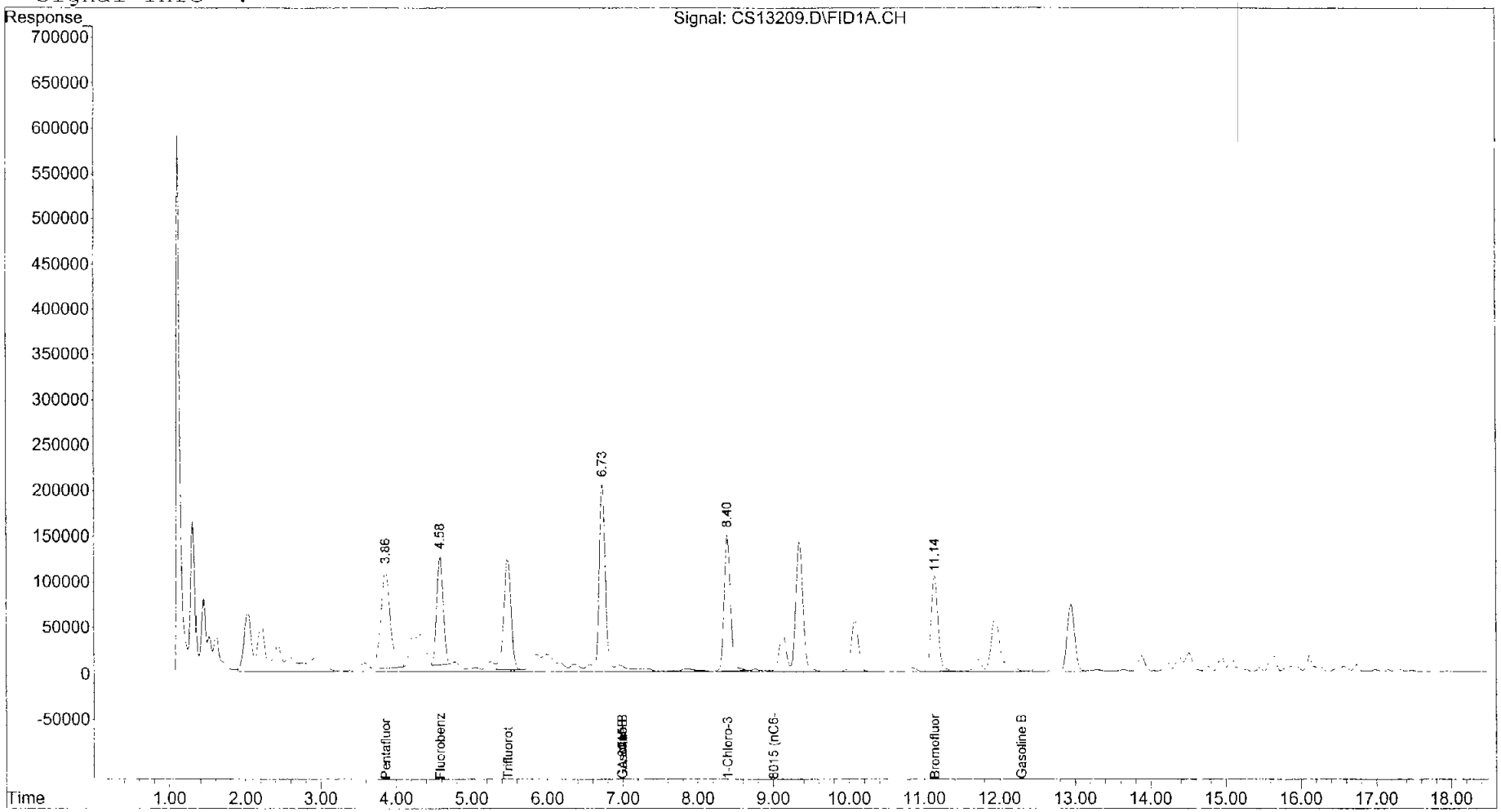
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.59	6962697	39.041 ug/L
2) S Trifluorotoluene (S)	5.48	8186832	97.088 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	97.09%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8835752	103.861 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	103.86%
4) S Bromofluorobenzene(S)	11.14	6596160	100.279 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	100.28%
5) S Pentafluorobenzene (S)	3.86	9559944	94.977 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	94.98%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	54653188	1043.926 ug/L
7) H Gasoline By AK101	7.00	59528611	1035.414 ug/L
8) H 8015 (nC6-nC12)	9.00	75739360	1035.413 ug/L
9) H CA 8015B	7.00	76769586	1066.374 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13209.D Vial: 41
Acq On : 12-1-2004 03:54:44 AM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 11:12 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46771

Evaluate Continuing Calibration Report

Data File : I:\2\DATA\11302004\CS13209.D Vial: 41
Acq On : 12-1-2004 03:54:44 AM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Fluorobenzene (I)	100.000	39.041	61.0#	58	0.01
2	S	Trifluorotoluene (S)	100.000	97.088	2.9	98	0.02
3	S	1-Chloro-3-fluorobenzene(S)	100.000	103.861	-3.9	105	0.01
4	S	Bromofluorobenzene(S)	100.000	100.279	-0.3	100	0.00
5	S	Pentafluorobenzene (S)	100.000	94.977	5.0	96	0.02
6	H	Gasoline By NWTPH-G	1100.000	1043.926	5.1	101	0.00
7	H	Gasoline By AK101	1100.000	1035.414	5.9	99	0.00
8	H	8015 (nC6-nC12)	1100.000	1035.413	5.9	99	0.00
9	H	CA 8015B	1100.000	1066.374	3.1	99	0.00

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13230.D Vial: 62
Acq On : 01 Dec 2004 12:32 pm Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 01 12:51:56 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

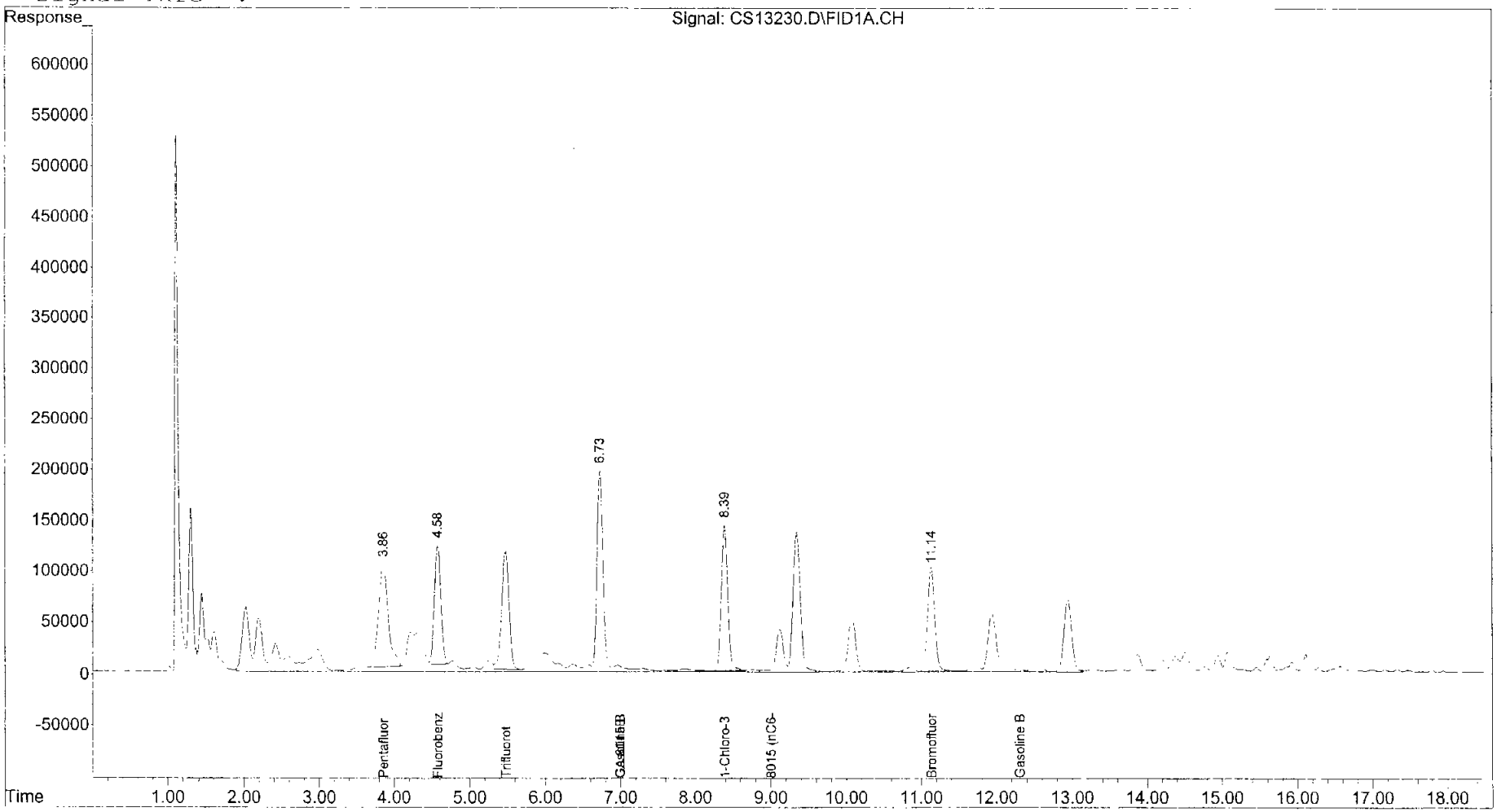
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6845203	38.382 ug/L
2) S Trifluorotoluene (S)	5.48	7821395	93.773 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	93.77%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8515115	100.092 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	100.09%
4) S Bromofluorobenzene(S)	11.14	6391970	97.175 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	97.17%
5) S Pentafluorobenzene (S)	3.86	8780688	90.564 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	90.56%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	52709066	1006.791 ug/L
7) H Gasoline By AK101	7.00	57080028	992.824 ug/L
8) H 8015 (nC6-nC12)	9.00	72792238	995.123 ug/L
9) H CA 8015B	7.00	73868953	1026.083 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13230.D Vial: 62
Acq On : 01 Dec 2004 12:32 pm Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 1 12:51 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46777

Evaluate Continuing Calibration Report

Data File : I:\2\DATA\11302004\CS13230.D Vial: 62
Acq On : 01 Dec 2004 12:32 pm Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-02 Multiplr: 1.00
IntFile : events.e

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Fluorobenzene (I)	100.000	38.382	61.6#	57	0.00
2	S	Trifluorotoluene (S)	100.000	93.773	6.2	93	0.01
3	S	1-Chloro-3-fluorobenzene(S)	100.000	100.092	-0.1	101	0.00
4	S	Bromofluorobenzene(S)	100.000	97.175	2.8	97	0.00
5	S	Pentafluorobenzene (S)	100.000	90.564	9.4	88	0.02
6	H	Gasoline By NWTPH-G	1100.000	1006.791	8.5	97	0.00
7	H	Gasoline By AK101	1100.000	992.824	9.7	95	0.00
8	H	8015 (nC6-nC12)	1100.000	995.123	9.5	95	0.00
9	H	CA 8015B	1100.000	1026.083	6.7	96	0.00

Sequence Log

Directory : i:\2\DATA\12032004

#	Filename	Sample Name	Date/Time
1	cs13236.d	RT standard	12/03/04 09:35
2	cs13237.d	1100 ug/L gro ccal	12/03/04 09:59
3	cs13239.d	MB gb4030	12/03/04 11:29
4	cs13240.d	1250 ug/L BS gro/aromatics gb4030	12/03/04 13:45
5	cs13241.d	1250 ug/L BSD gro/aromatics gb4030	12/03/04 14:10
6	cs13242.d	125055-1 gb4030	12/03/04 14:55
7	cs13243.d	125060-10 gb4030	12/03/04 15:20
8	cs13244.d	125060-11 gb4030	12/03/04 15:45
9	cs13245.d	125067-1 gb4030	12/03/04 16:10
10	cs13247.d	1100 ug/L gro ccal	12/03/04 16:59

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13236.D Vial: 2
Acq On : 12-3-2004 09:35:07 AM Operator: crf
Sample : RT standard Inst : Instrumen
Misc : 1304-02-21 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 03 11:01:11 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

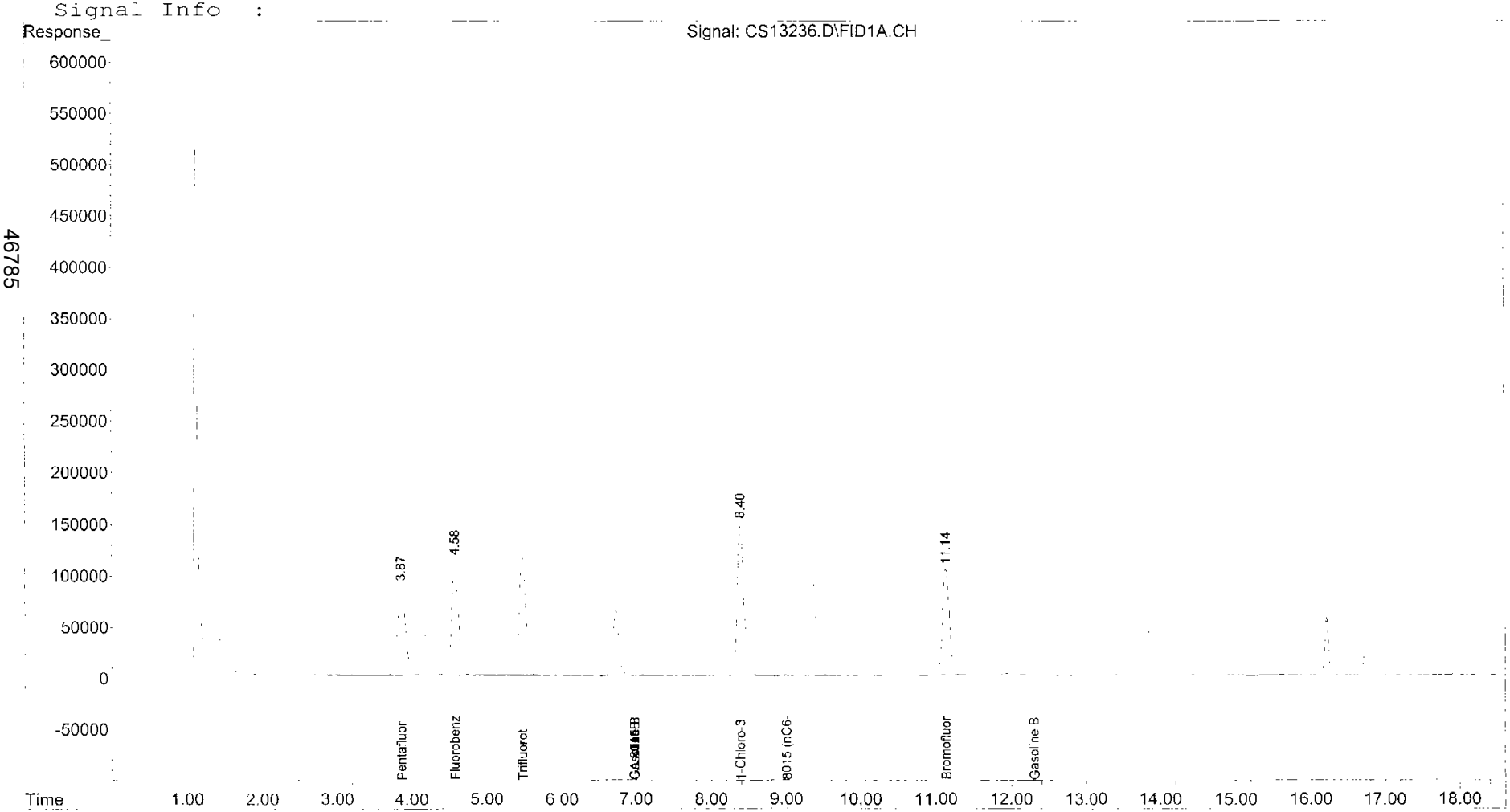
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6563354	36.802 ug/L
2) S Trifluorotoluene (S)	5.48	7227005	88.240 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	88.24%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8506708	99.994 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	99.99%
4) S Bromofluorobenzene(S)	11.14	6475482	98.444 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	98.44%
5) S Pentafluorobenzene (S)	3.87	6366835	75.240 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	75.24%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	30605066	584.585 ug/L
7) H Gasoline By AK101	7.00	25419269	442.131 ug/L
8) H 8015 (nC6-nC12)	9.00	35522657	485.621 ug/L
9) H CA 8015B	7.00	33678140	467.809 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13236.D Vial: 2
Acq On : 12-3-2004 09:35:07 AM Operator: crf
Sample : RT standard Inst : Instrumen
Misc : 1304-02-21 Multiplr: 1.00
IntFile : events.c
Quant Time: Dec 3 11:01 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46785

01372

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13237.D Vial: 3
Acq On : 12-3-2004 09:59:52 AM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-19 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 03 11:01:35 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6609633	37.061 ug/L
2) S Trifluorotoluene (S)	5.48	7225004	88.221 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	88.22%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8226053	96.695 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	96.69%
4) S Bromofluorobenzene(S)	11.14	6335449	96.316 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	96.32%
5) S Pentafluorobenzene (S)	3.86	8572790	89.350 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	89.35%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	52652031	1005.702 ug/L
7) H Gasoline By AK101	7.00	58195373	1012.224 ug/L
8) H 8015 (nC6-nC12)	9.00	73872025	1009.885 ug/L
9) H CA 8015B	7.00	74999029	1041.780 ug/L

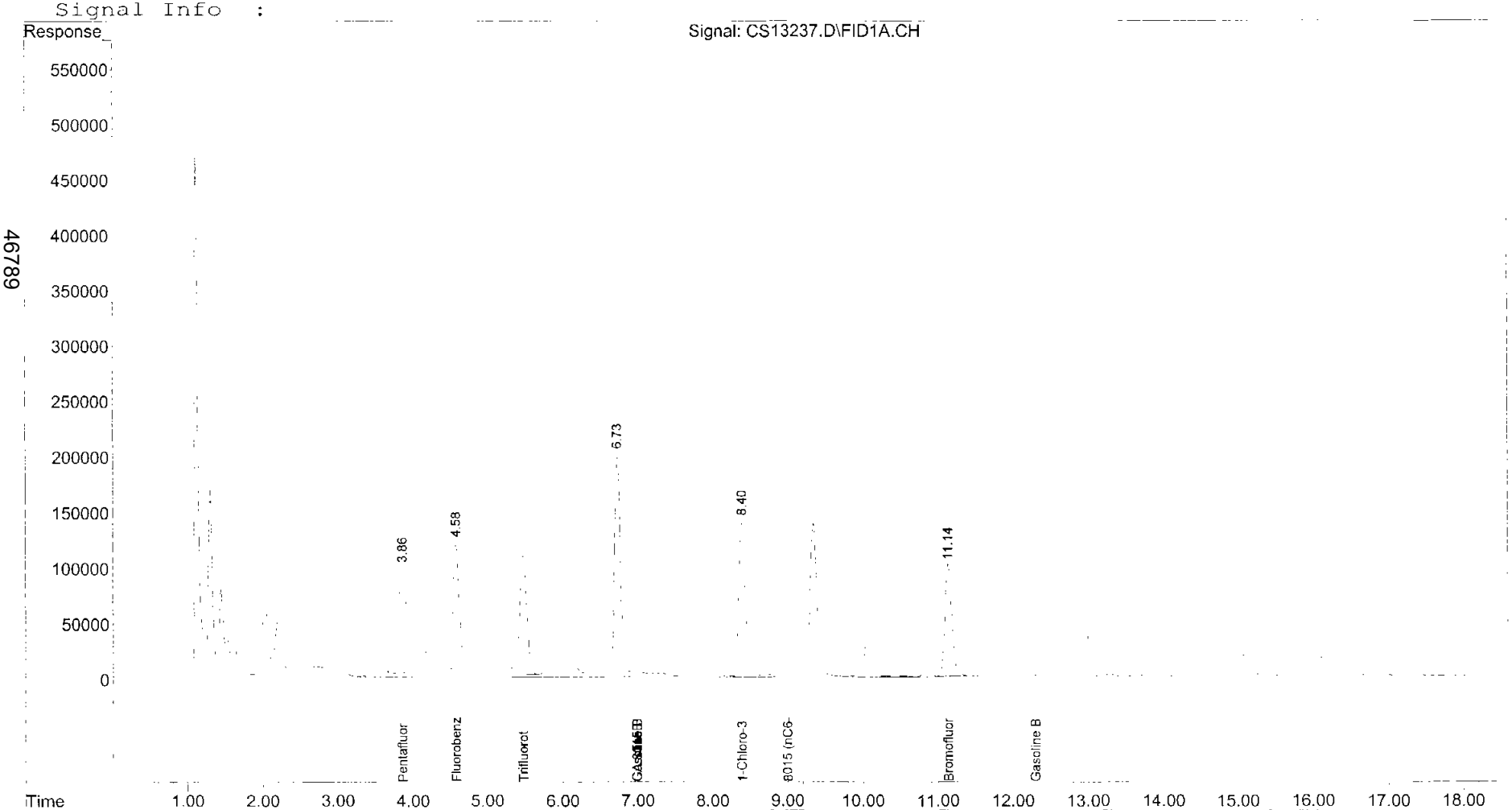
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13237.D
Acq On : 12-3-2004 09:59:52 AM
Sample : 1100 ug/L gro ccal
Misc : 1304-02-19
IntFile : events.e
Quant Time: Dec 3 11:01 2004 Quant Results File: GAS_10132004.RES

Vial: 3
Operator: crf
Inst : Instrumen
Multiplr: 1.00

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46789

01374

Evaluate Continuing Calibration Report

Data File : I:\2\DATA\12032004\CS13237.D Vial: 3
Acq On : 12-3-2004 09:59:52 AM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-19 Multiplr: 1.00
IntFile : events.e

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Fluorobenzene (I)	100.000	37.061	62.9#	55	0.01
2	S	Trifluorotoluene (S)	100.000	88.221	11.8	86	0.02
3	S	1-Chloro-3-fluorobenzene(S)	100.000	96.695	3.3	98	0.00
4	S	Bromofluorobenzene(S)	100.000	96.316	3.7	97	0.00
5	S	Pentafluorobenzene (S)	100.000	89.350	10.7	86	0.02
6	H	Gasoline By NWTPH-G	1100.000	1005.702	8.6	97	0.00
7	H	Gasoline By AK101	1100.000	1012.224	8.0	97	0.00
8	H	8015 (nC6-nC12)	1100.000	1009.885	8.2	97	0.00
9	H	CA 8015B	1100.000	1041.780	5.3	97	0.00

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13247.D Vial: 13
Acq On : 12-3-2004 04:59:32 PM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-19 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 06 11:52:37 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

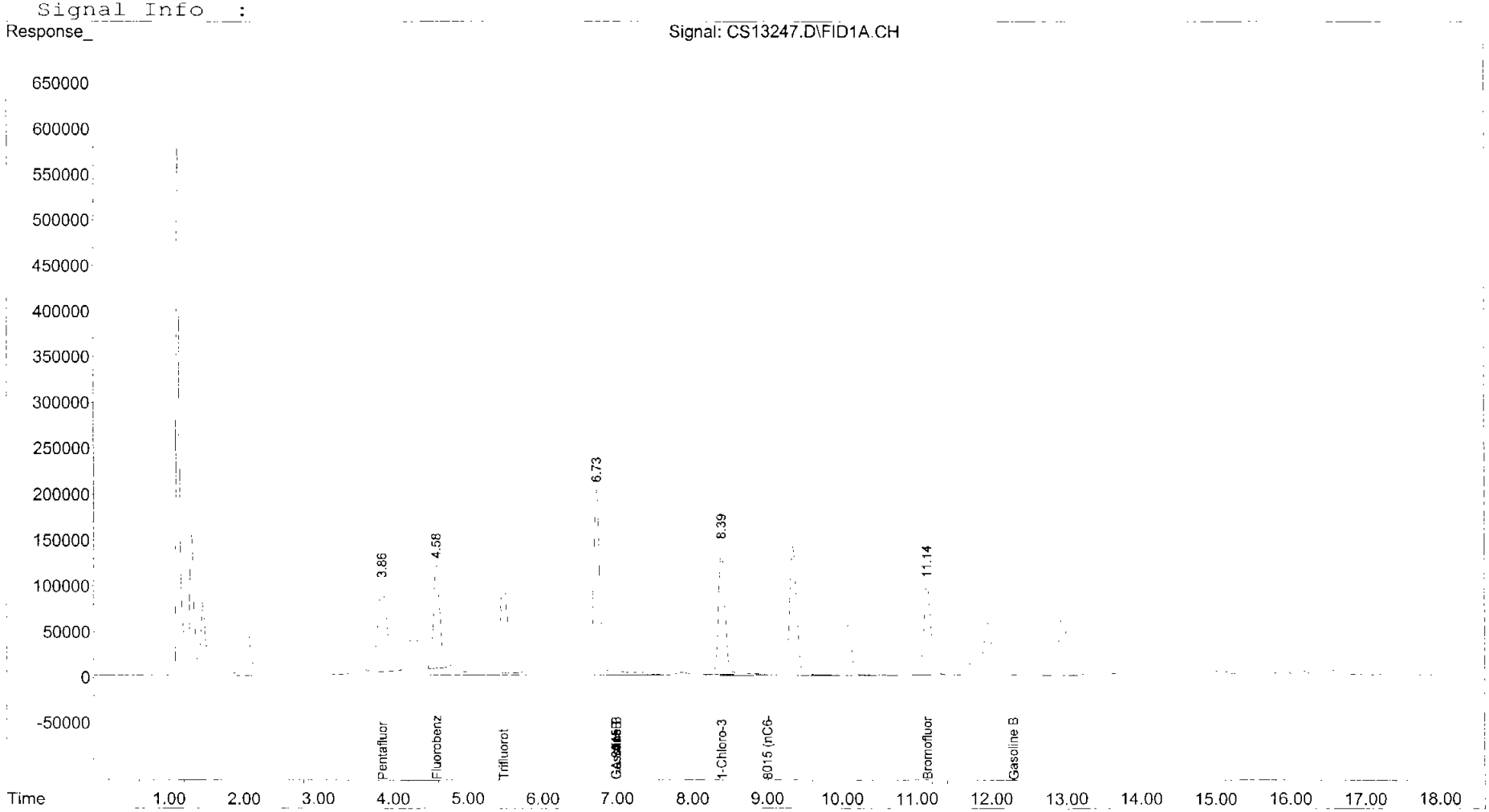
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6593155	36.969 ug/L
2) S Trifluorotoluene (S)	5.48	7318466	89.103 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	89.10%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8324116	97.847 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	97.85%
4) S Bromofluorobenzene(S)	11.14	6375476	96.924 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	96.92%
5) S Pentafluorobenzene (S)	3.86	8641811	89.755 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	89.75%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	52983448	1012.032 ug/L
7) H Gasoline By AK101	7.00	58693422	1020.887 ug/L
8) H 8015 (nC6-nC12)	9.00	74443196	1017.693 ug/L
9) H CA 8015B	7.00	75127542	1043.565 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13247.D Vial: 13
Acq On : 12-3-2004 04:59:32 PM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-19 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 6 11:52 2004 Quant Results File: GAS 10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46795

01227

Evaluate Continuing Calibration Report

Data File : I:\2\DATA\12032004\CS13247.D Vial: 13
Acq On : 12-3-2004 04:59:32 PM Operator: crf
Sample : 1100 ug/L gro ccal Inst : Instrumen
Misc : 1304-02-19 Multiplr: 1.00
IntFile : events.e

Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	Fluorobenzene (I)	100.000	36.969	63.0#	55	0.00
2	S	Trifluorotoluene (S)	100.000	89.103	10.9	87	0.01
3	S	1-Chloro-3-fluorobenzene(S)	100.000	97.847	2.2	99	0.00
4	S	Bromofluorobenzene(S)	100.000	96.924	3.1	97	0.00
5	S	Pentafluorobenzene (S)	100.000	89.755	10.2	87	0.02
6	H	Gasoline By NWTPH-G	1100.000	1012.032	8.0	98	0.00
7	H	Gasoline By AK101	1100.000	1020.887	7.2	98	0.00
8	H	8015 (nC6-nC12)	1100.000	1017.693	7.5	97	0.00
9	H	CA 8015B	1100.000	1043.565	5.1	97	0.00

METHOD BLANK

01379

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13210.D Vial: 42
Acq On : 12-1-2004 04:19:21 AM Operator: crf
Sample : MB gb4029 Inst : Instrumen
Misc : Soil &10 #10 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:44:48 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6887347	38.618 ug/L
2) S Trifluorotoluene (S)	5.48	8882978	103.231 ug/L
Spiked Amount 100.000 Range 63 - 118		Recovery	= 103.23%
3) S 1-Chloro-3-fluorobenzene(S	8.40	9359891	110.022 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 110.02%
4) S Bromofluorobenzene(S)	11.14	7195866	109.396 ug/L
Spiked Amount 100.000 Range 73 - 120		Recovery	= 109.40%
5) S Pentafluorobenzene (S)	3.87	7685327	83.964 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 83.96%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	1139655	21.768 ug/L
7) H Gasoline By AK101	7.00	1974746	34.348 ug/L
8) H 8015 (nC6-nC12)	9.00	2270636	31.041 ug/L
9) H CA 8015B	7.00	2487981	34.559 ug/L

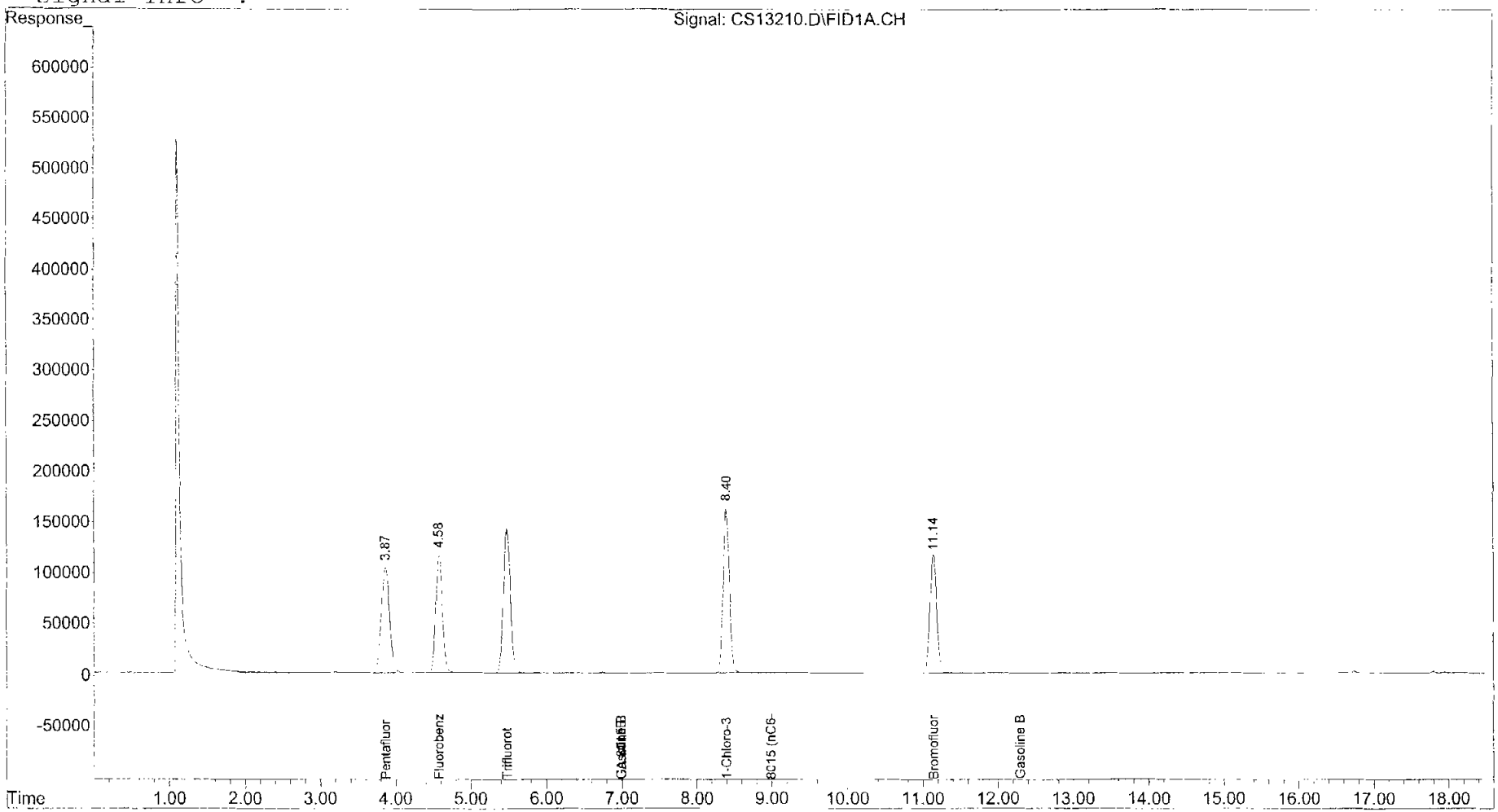
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13210.D
Acq On : 12-1-2004 04:19:21 AM
Sample : MB gb4029
Misc : Soil &10 #10
IntFile : events.e
Quant Time: Dec 2 10:44 2004 Quant Results File: GAS_10132004.RES

Vial: 42
Operator: crf
Inst : Instrumen
Multiplr: 1.00

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46803

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13239.D Vial: 5
Acq On : 03 Dec 2004 11:29 am Operator: crf
Sample : MB gb4030 Inst : Instrumen
Misc : Liquid Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 07 10:33:19 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

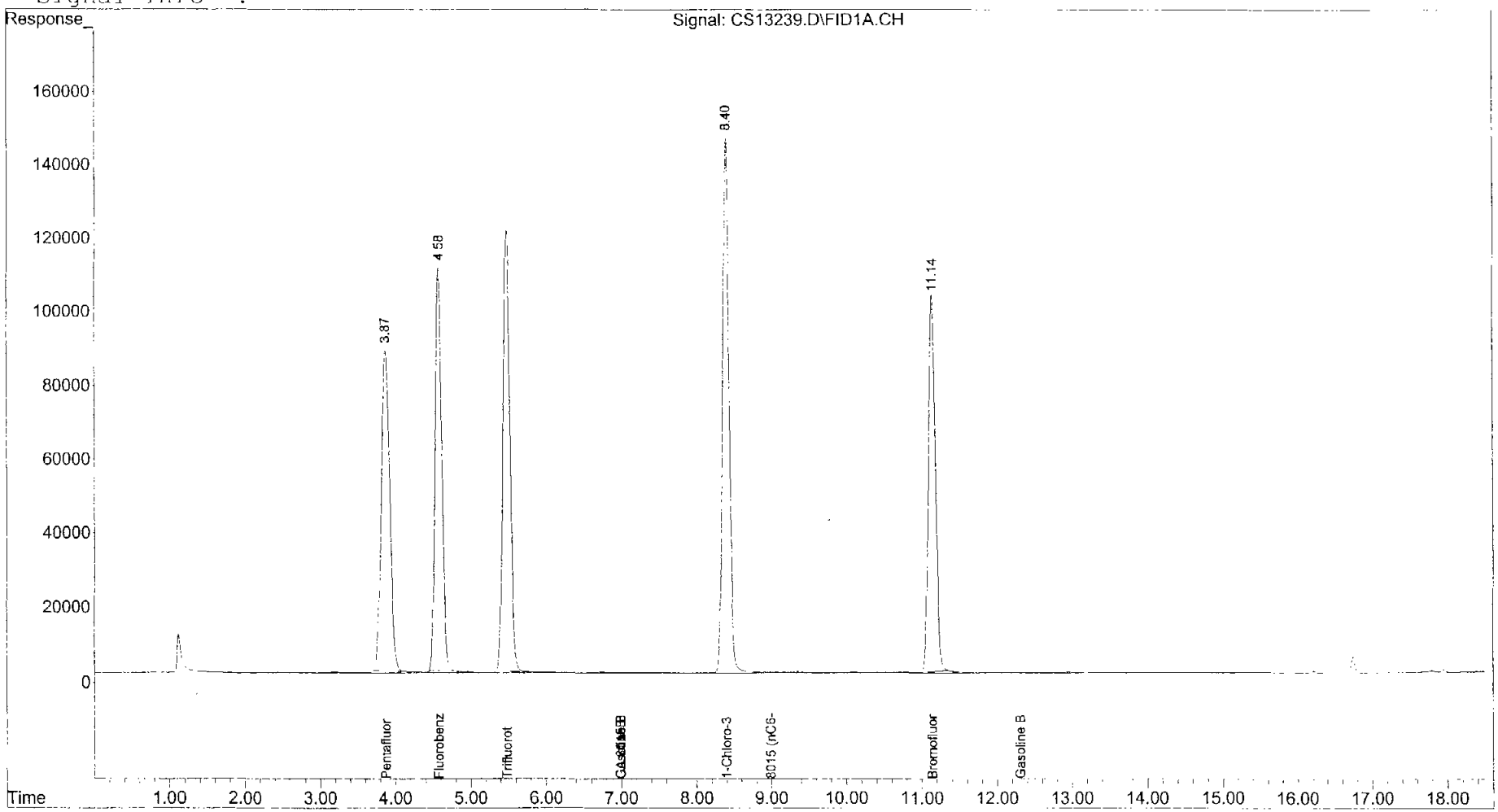
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6581829	36.905 ug/L
2) S Trifluorotoluene (S)	5.48	7623135	91.948 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	91.95%
3) S 1-Chloro-3-fluorobenzene(S	8.40	8484261	99.730 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery =	99.73%
4) S Bromofluorobenzene(S)	11.14	6360105	96.690 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	96.69%
5) S Pentafluorobenzene (S)	3.87	6677712	77.387 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery =	77.39%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	1020834	19.499 ug/L
7) H Gasoline By AK101	7.00	998091	17.360 ug/L
8) H 8015 (nC6-nC12)	9.00	1153016	15.763 ug/L
9) H CA 8015B	7.00	1232277	17.117 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13239.D Vial: 5
Acq On : 03 Dec 2004 11:29 am Operator: crf
Sample : MB gb4030 Inst : Instrumen
Misc : Liquid Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 7 10:33 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46807

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01384

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13211.D Vial: 43
Acq On : 12-1-2004 04:44:05 AM Operator: crf
Sample : 1250 ug/L BS gro/aromatics gb4029 Inst : Instrumen
Misc : Soil &10 #10 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:44:50 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

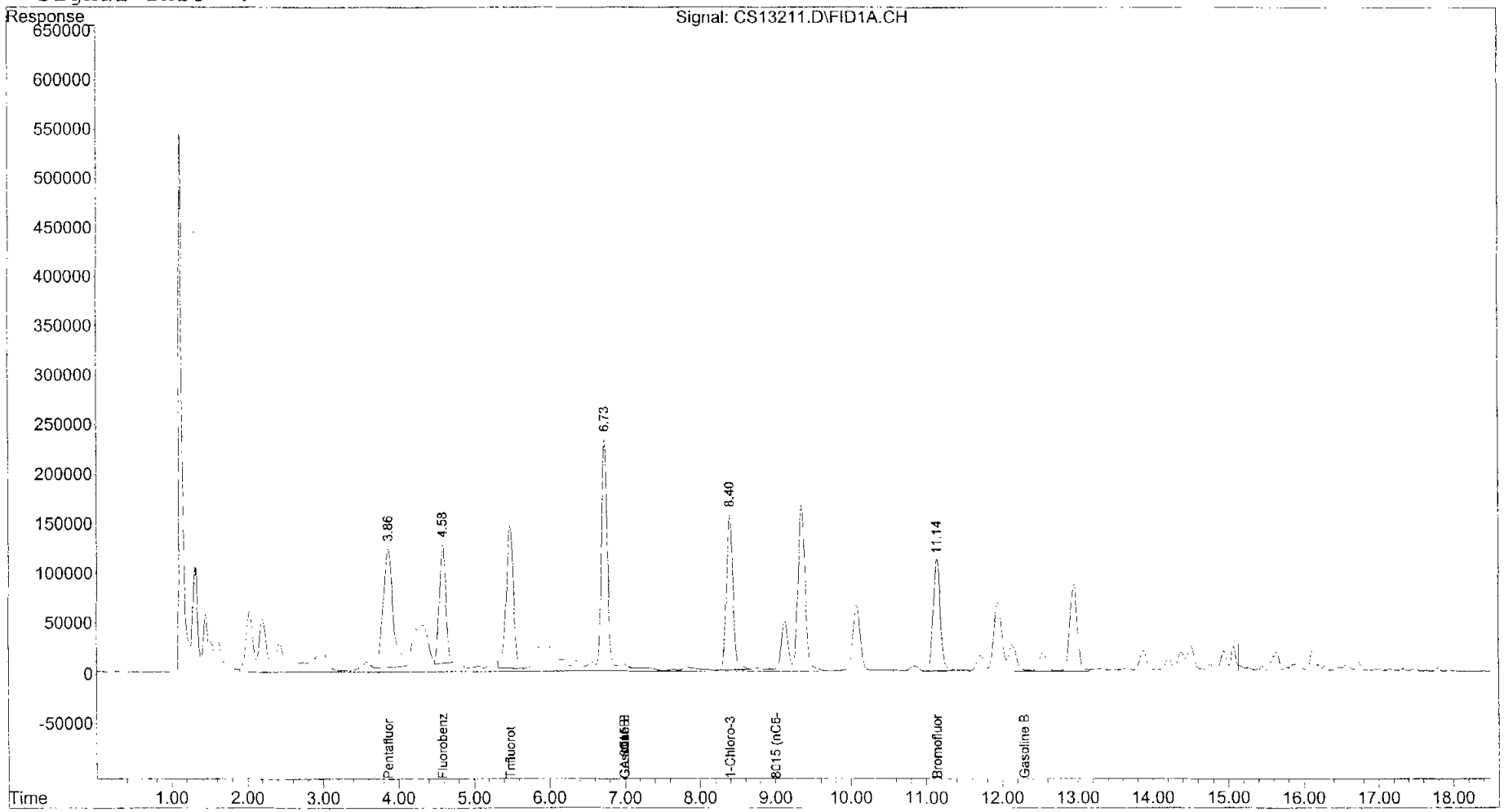
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.59	6996429	39.230 ug/L
2) S Trifluorotoluene (S)	5.48	9594514	109.300 ug/L
Spiked Amount 100.000 Range 63 - 118		Recovery	= 109.30%
3) S 1-Chloro-3-fluorobenzene(S	8.40	9368797	110.127 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 110.13%
4) S Bromofluorobenzene(S)	11.14	7224414	109.830 ug/L
Spiked Amount 100.000 Range 73 - 120		Recovery	= 109.83%
5) S Pentafluorobenzene (S)	3.86	10735544	101.266 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 101.27%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	65374212	1248.707 ug/L
7) H Gasoline By AK101	7.00	68153665	1185.434 ug/L
8) H 8015 (nC6-nC12)	9.00	87550436	1196.879 ug/L
9) H CA 8015B	7.00	87081362	1209.611 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13211.D Vial: 43
Acq On : 12-1-2004 04:44:05 AM Operator: crf
Sample : 1250 ug/L BS gro/aromatics gb4029 Inst : Instrumen
Misc : Soil &10 #10 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 2 10:44 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46813

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13212.D Vial: 44
Acq On : 12-1-2004 05:08:45 AM Operator: crf
Sample : 1250 ug/L BSD gro/aromatics gb4029 Inst : Instrumen
Misc : Soil &10 #10 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:44:52 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

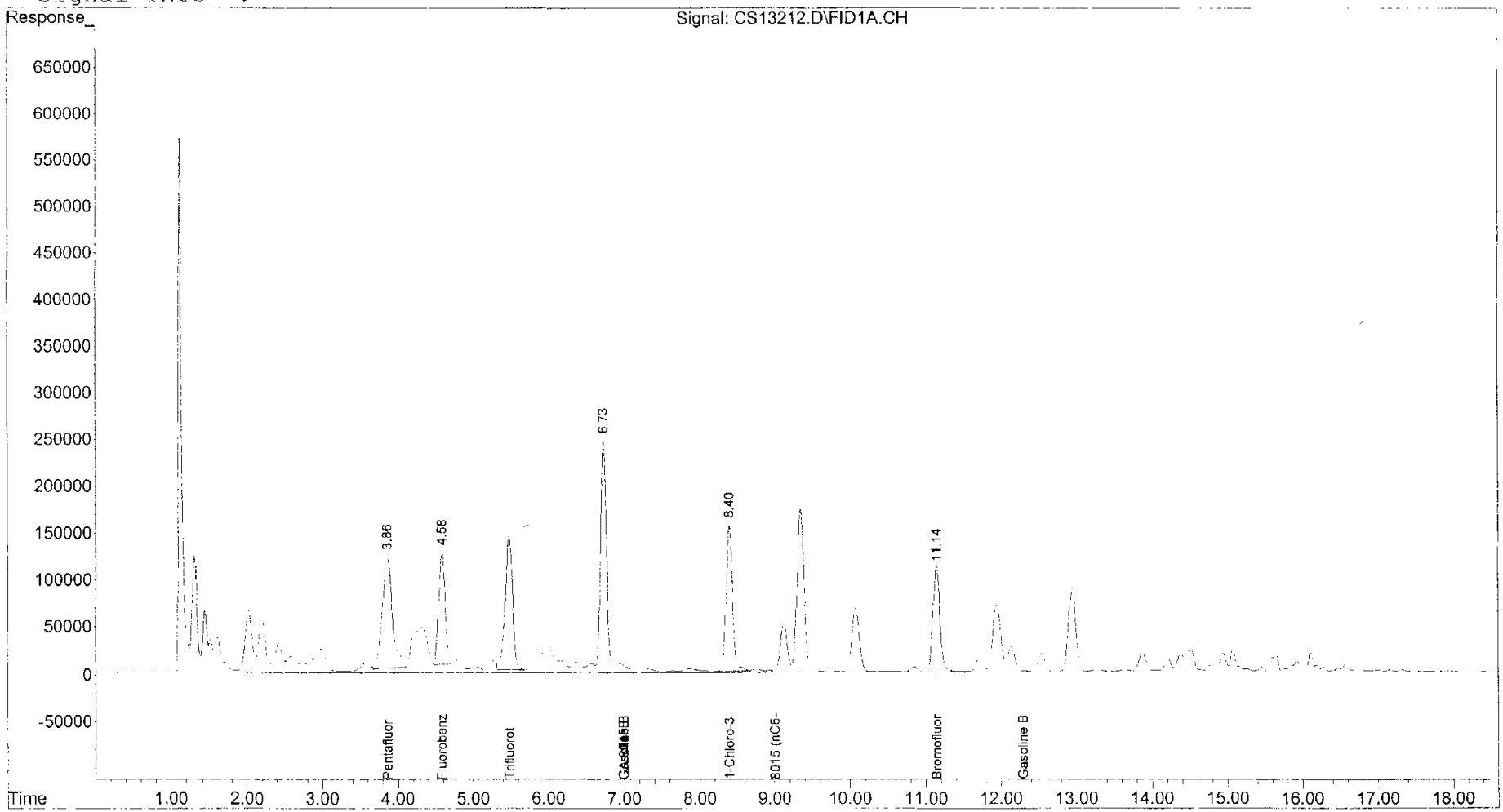
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.59	7015942	39.339 ug/L
2) S Trifluorotoluene (S)	5.48	9563122	109.036 ug/L
Spiked Amount 100.000 Range 63 - 118		Recovery	= 109.04%
3) S 1-Chloro-3-fluorobenzene(S	8.40	9308242	109.415 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 109.41%
4) S Bromofluorobenzene(S)	11.14	7158570	108.829 ug/L
Spiked Amount 100.000 Range 73 - 120		Recovery	= 108.83%
5) S Pentafluorobenzene (S)	3.86	10758886	101.387 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 101.39%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	67942241	1297.759 ug/L
7) H Gasoline By AK101	7.00	71335860	1240.784 ug/L
8) H 8015 (nC6-nC12)	9.00	91489373	1250.727 ug/L
9) H CA 8015B	7.00	91295777	1268.151 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13212.D Vial: 44
Acq On : 12-1-2004 05:08:45 AM Operator: crf
Sample : 1250 ug/L BSD gro/aromatics gb4029 Inst : Instrumen
Misc : Soil &10 #10 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 2 10:44 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46817

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13240.D Vial: 6
Acq On : 12-3-2004 01:45:38 PM Operator: crf
Sample : 1250 ug/L BS gro/aromatics gb4030 Inst : Instrumen
Misc : Liquid Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 07 10:29:09 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

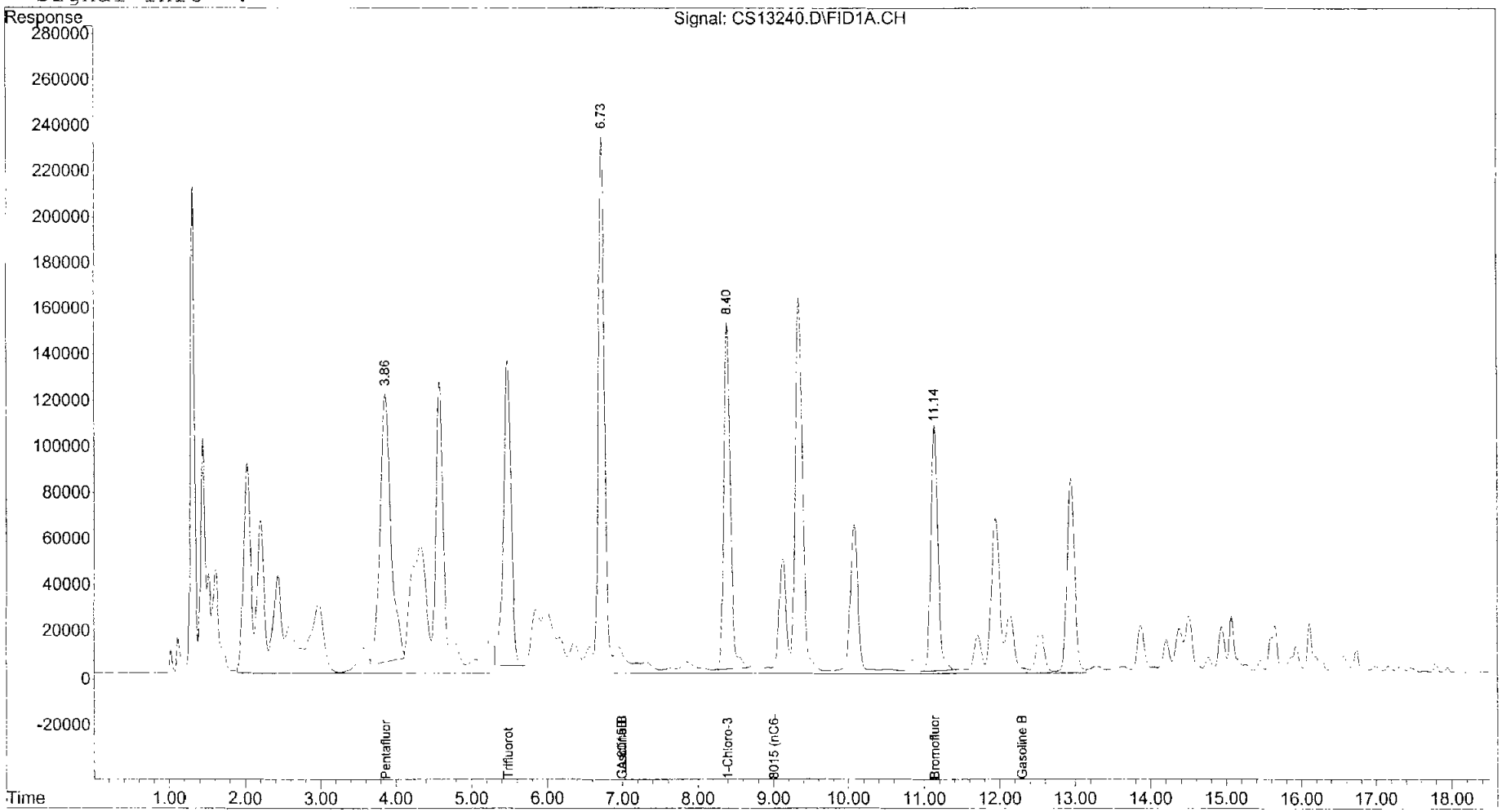
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	6984208	<MDL ug/L
2) S Trifluorotoluene (S)	5.48	9124198	105.311 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery	= 105.31%
3) S 1-Chloro-3-fluorobenzene(S	8.40	9164511	107.726 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery	= 107.73%
4) S Bromofluorobenzene(S)	11.14	6821343	103.702 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery	= 103.70%
5) S Pentafluorobenzene (S)	3.86	11421435	104.759 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery	= 104.76%
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	65654636	1254.063 ug/L
7) H Gasoline By AK101	7.00	74024190	1287.543 ug/L
8) H 8015 (nC6-nC12)	9.00	93807740	1282.421 ug/L
9) H CA 8015B	7.00	94514083	1312.855 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13240.D Vial: 6
Acq On : 12-3-2004 01:45:38 PM Operator: crf
Sample : 1250 ug/L BS gro/aromatics gb4030 Inst : Instrumen
Misc : Liquid Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 7 10:29 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46821

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13241.D Vial: 7
Acq On : 12-3-2004 02:10:17 PM Operator: crf
Sample : 1250 ug/L BSD gro/aromatics gb4030 Inst : Instrumen
Misc : Liquid Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 07 10:29:12 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Initial Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :

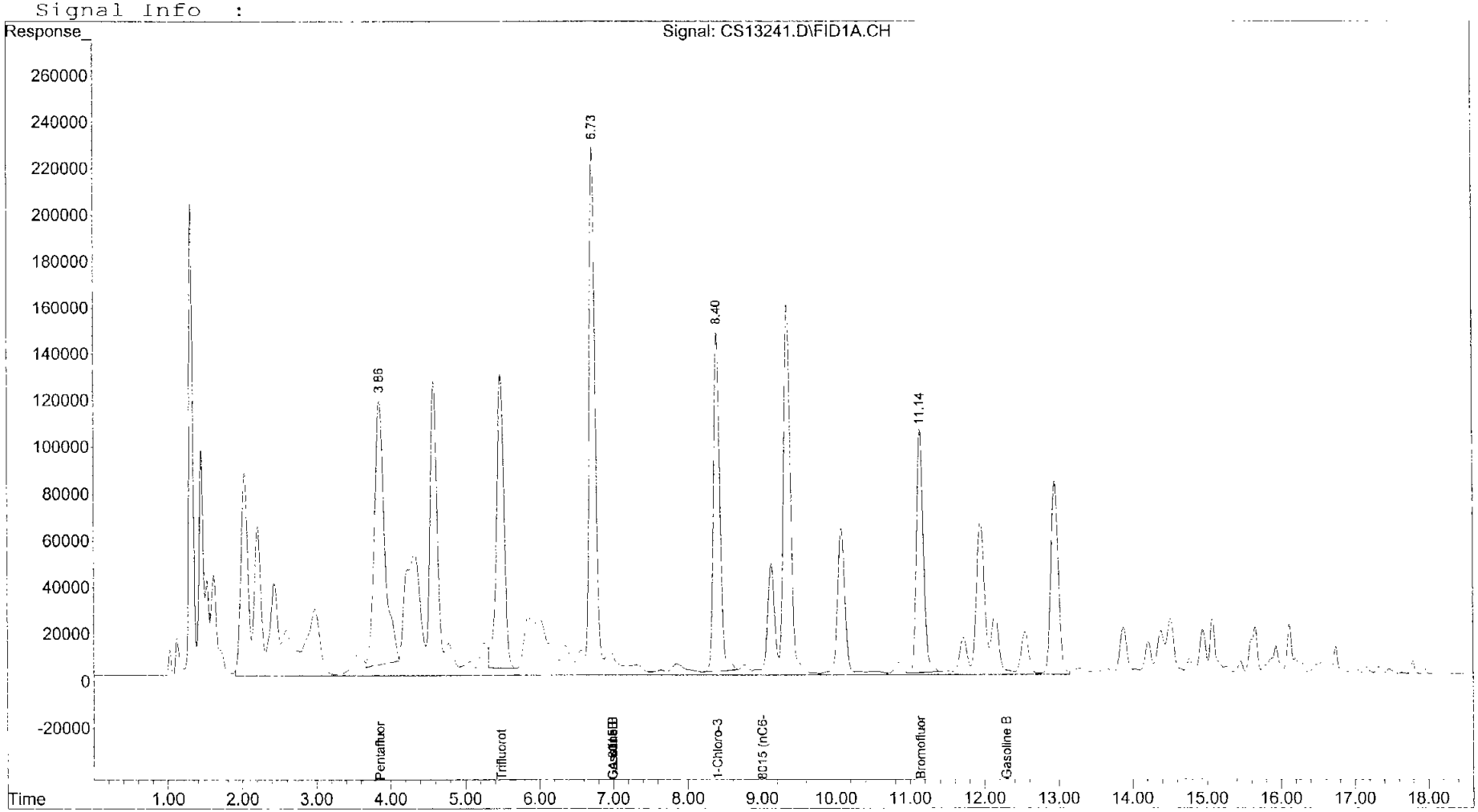
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.59	6914489	<MDL ug/L
2) S Trifluorotoluene (S)	5.48	8684081	101.498 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery = 101.50%	
3) S 1-Chloro-3-fluorobenzene(S	8.40	8777062	103.172 ug/L
Spiked Amount 100.000 Range 60 - 120		Recovery = 103.17%	
4) S Bromofluorobenzene(S)	11.14	6626041	100.733 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery = 100.73%	
5) S Pentafluorobenzene (S)	3.86	10866336	101.941 ug/L
Spiked Amount 100.000 Range 70 - 120		Recovery = 101.94%	
Target Compounds			
6) H Gasoline By NWTPH-G	12.30	63213396	1207.433 ug/L
7) H Gasoline By AK101	7.00	70574637	1227.543 ug/L
8) H 8015 (nC6-nC12)	9.00	89699250	1226.255 ug/L
9) H CA 8015B	7.00	90137332	1252.060 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\12032004\CS13241.D Vial: 7
Acq On : 12-3-2004 02:10:17 PM Operator: crf
Sample : 1250 ug/L BSD gro/aromatics gb4030 Inst : Instrumen
Misc : Liquid Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 7 10:29 2004 Quant Results File: GAS_10132004.RES

Quant Method : I:\2\METHODS\GAS_10132004.M (Chemstation Integrator)
Title : GRO by 8015 Modified 10-13-04
Last Update : Thu Oct 14 10:29:27 2004
Response via : Multiple Level Calibration
DataAcq Meth : GBTEX.M

Volume Inj. :
Signal Phase :
Signal Info :



46825

LABORATORY WORKSHEETS

01393

gas Worksheet - total

QC Level:Tier IV Matrix:solid URS Corporation	**Due: 12/08/04** Proj. Manager:Katie Downie	**Work Order - 125060**

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-3 Sample Weight/Volume	Client Sample ID	041123SGA28SS
	Date Received	11/24/2004
	Date Sampled	**1/23/2004 12:45:00 PM**

NWTPH-Gx

Sample number 125060-4 Sample Weight/Volume	Client Sample ID	041123SGA29SS
	Date Received	11/24/2004
	Date Sampled	**11/23/2004 1:15:00 PM**

NWTPH-Gx

Sample number 125060-6 Sample Weight/Volume	Client Sample ID	041123SGA31SS
	Date Received	11/24/2004
	Date Sampled	**11/23/2004 2:30:00 PM**

NWTPH-Gx

Sample number 125060-8 Sample Weight/Volume	Client Sample ID	041123SGA33SS
	Date Received	11/24/2004
	Date Sampled	**11/23/2004 3:45:00 PM**

NWTPH-Gx

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date _____

Reviewed by _____ Date _____

46829

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01394

STL Seattle
VOLATILE FUEL EXTRACTION LOG

Date: 11/30/04
Analyst: N
Spike: STL #: 1188-44-16 Amt(uL): 91
Spike: STL #: — Amt(uL): —

Instrument ID: SEA003 QC Batch ID: GB4029
Methanol Lot #: 34924
IS Std. #: 1188-69-02 Amt.:(uL): 1.0
Surrogate: 1188-69-01 Amt.(uL): 1 ml
Post Surrogate: 1188-85-01 Amt (uL): 11

Matrix: Water: ____ Soil: ✓ TCLP: ____ 5035 Field preserved: ____

Analysis: NWTPH-G(x): ✓ WTPH-G: ____ AK101: ____ HAWAII: ____ OTHER: ____

8021B BTEX: ____ 602: ____ Other: ____ 8260B: ____

Sample No.:	Sample Size (g/ml)	Extract Volume mL	Extract Used uL	Final Vol.mL	Dilution	Analyst	Comments
Method blank	10	10	1100	4/4		N	
BS							
BSD							
125059-8	10.117						
-8 dup	10.233						
-10	10.221						
-12	10.253						
-13	10.050						
-14	10.075						
-15	10.207						
-15 MS	10.316						
-15 MSD							
-16	10.491						
125060-3	10.359						
-4	10.056						
-6	10.011						
-8	10.060						
125096-1	10.416						

N 11/30/04

SPIKE WITNESSING: (CHECK OFF, SIGN & DATE)

Method
Special Spiking Instructions

Matrix
Spike Soln.
Amount Spiked

Signature: N

46831 11/30/04

99

01395

5 11/29

gas Worksheet - total

QC Level:Tier IV

Matrix:Liquid

URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-10		Client Sample ID	041123SGA15ERW
Sample Weight/Volume		Date Received	11/24/2004
	pH 1.3	**Date Sampled**	**11/23/2004 5:00:00 PM**
NWTPH-Gx			

Sample number 125060-11		Client Sample ID	041123SGA16ERW
Sample Weight/Volume		Date Received	11/24/2004
	pH 1.3	**Date Sampled**	**11/23/2004 5:20:00 PM**
NWTPH-Gx			

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst_____ Date_____

Reviewed by_____ Date 46833

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01396

VOLATILE FUEL EXTRACTION LOG

Date: 12/3/04
Analyst: [illegible]
Spike: STL #: 1188-44-16 Amt(uL): 22.75
Spike: STL #: — Amt(uL): —

Instrument ID : S.003 QC Batch ID: 04030
Methanol Lot #: —
IS Std. #: 1188-69-02 Amt.:(uL): 1.0
Surrogate: 1188-97-02 Amt.(uL): 11
Post Surrogate: — Amt (uL): —

Matrix: Water: ✓ Soil: ___ TCLP: ___ 5035 Field preserved: ___

Analysis: NWTPH-G(x): ✓ WTPH-G: ___ AK101: ___ HAWAII : ___ OTHER: ___

8021B BTEX: ___ 602: ___ Other: ___ 8260B: ✓

Sample No.:	Sample Size (g/ml)	Extract Volume mL	Extract Used uL	Final Vol.m L	Dilution	Analyst	Comments
Method blank						[illegible]	
BS							
BSD							
125055 -1							
125060 -10							
— -11							
125067 -1							

SPIKE WITNESSING: (CHECK OFF, SIGN & DATE)

Method
Special Spiking Instructions

Matrix
Spike Soln.
Amount Spiked

Signature: _____

Date: _____

10

46835

01397

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**3**
QC Batch Number	**gb4029**
Client Sample ID	**041123SGA28SS**
Date Received	**11/24/04**
Date Prepared	**11/30/04**
Date Analyzed	**12/1/04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: gb4029

Sample weight (g)	**10.359**	=	0.01036 kg	Calc. Factor	0.044150201
Extract volume (ml)	**10**	=	10 ml	Dry Weight	9.0599814 g
Dilution Factor		=	1	Units	mg/kg
% Solids	**87.46**	=	0.8746	Spike Factor	0.044150201
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Trifluorotoluene	96.6111		96.6	**OK**	50	150
x	1-Chloro-3-fluorobenzene	110.6702		111	**OK**	50	150
x	Bromofluorobenzene	110.5181		111	**OK**	50	150
x	Pentafluorobenzene	84.0403		84	**OK**	50	150
				-	-		
	Hydrocarbon name for X1flag			-	-		

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Gasoline by NWTPH-G	13.4883		21.7685	0.596	J B1	4.42

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**4**
QC Batch Number	**gb4029**
Client Sample ID	**041123SGA29SS**
Date Received	**11/24/04**
Date Prepared	**11/30/04**
Date Analyzed	**12/1/04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: gb4029

Sample weight (g)	**10.056**	=	0.01006 kg	Calc. Factor	0.042711529
Extract volume (ml)	**10**	=	10 ml	Dry Weight	9.3651528 g
Dilution Factor		=	1	Units	mg/kg
% Solids	**93.13**	=	0.9313	Spike Factor	0.042711529
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Trifluorotoluene	97.8628		97.9	**OK**	50	150
x	1-Chloro-3-fluorobenzene	109.945		110	**OK**	50	150
x	Bromofluorobenzene	109.9097		110	**OK**	50	150
x	Pentafluorobenzene	82.904		82.9	**OK**	50	150
				-	-		
	Hydrocarbon name for X1flag			-	-		

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**6**
QC Batch Number	**gb4029**
Client Sample ID	**041123SGA31SS**
Date Received	**11/24/04**
Date Prepared	**11/30/04**
Date Analyzed	**12/1/04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: gb4029

Sample weight (g)	**10.011**	=	0.01001 kg	Calc. Factor	0.051656171
Extract volume (ml)	**10**	=	10 ml	Dry Weight	7.7435085 g
Dilution Factor		=	1	Units	mg/kg
% Solids	**77.35**	=	0.7735	Spike Factor	0.051656171
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Trifluorotoluene	95.2344		95.2	**OK**	50	150
x	1-Chloro-3-fluorobenzene	108.4442		108	**OK**	50	150
x	Bromofluorobenzene	145.0339		145	**OK**	50	150
x	Pentafluorobenzene	82.4716		82.5	**OK**	50	150
				-	-		
	Hydrocarbon name for X1flag			-	-		

TRUE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Gasoline by NWTPH-G	2563.699	X1	21.7685	132	B2 X1	5.17

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**8**
QC Batch Number	**gb4029**
Client Sample ID	**041123SGA33SS**
Date Received	**11/24/04**
Date Prepared	**11/30/04**
Date Analyzed	**12/1/04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: gb4029

Sample weight (g)	**10.06**	=	0.01006 kg	Calc. Factor	0.048949195
Extract volume (ml)	**10**	=	10 ml	Dry Weight	8.171738 g
Dilution Factor		=	1	Units	mg/kg
% Solids	**81.23**	=	0.8123	Spike Factor	0.048949195
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Trifluorotoluene	93.6381		93.6	**OK**	50	150
x	1-Chloro-3-fluorobenzene	109.762		110	**OK**	50	150
x	Bromofluorobenzene	109.7579		110	**OK**	50	150
x	Pentafluorobenzene	82.8011		82.8	**OK**	50	150
				-	**-**		
	Hydrocarbon name for X1flag			-	**-**		

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Gasoline by NWTPH-G	26.6273		21.7685	1.3	J B1	4.89

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	URS Corporation
Work Order Number	125060
Sample Number	10
QC Batch Number	gb4030
Client Sample ID	041123SGA15ERW
Date Received	11/24/04
Date Prepared	12/3/04
Date Analyzed	12/3/04
Sample matrix type	liquid
QC sample type	sample

Related Blank: gb4030

Sample volume (ml)		=	0.005 L	Calc. Factor	0.001
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	mg/L
% Solids		=	1	Spike Factor	0.001
Medium Level	medium	=	1	Rep. Dil. Fact.	1
Report in PPM	1	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	Trifluorotoluene	89.5745		89.6	OK	50	150
x	1-Chloro-3-fluorobenzene	93.5528		93.6	OK	50	150
x	Bromofluorobenzene	89.9645		90	OK	50	150
x	Pentafluorobenzene	75.0945		75.1	OK	50	150
				-	-		
	Hydrocarbon name for X1flag			-	-		

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Gasoline by NWTPH-G	16.0533		19.4989	0.0161	J B1	0.1

01402

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**11**
QC Batch Number	**gb4030**
Client Sample ID	**041123SGA16ERW**
Date Received	**11/24/04**
Date Prepared	**12/3/04**
Date Analyzed	**12/3/04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: gb4030

Sample volume (ml)		=	0.005 L	Calc. Factor	0.001
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	mg/L
% Solids		=	1	Spike Factor	0.001
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Trifluorotoluene	89.2549		89.3	**OK**	50	150
x	1-Chloro-3-fluorobenzene	92.31		92.3	**OK**	50	150
x	Bromofluorobenzene	88.6777		88.7	**OK**	50	150
x	Pentafluorobenzene	74.783		74.8	**OK**	50	150
				-	-		
	Hydrocarbon name for X1flag			-	-		

FALSE <-- do not overwrite this cell

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Gasoline by NWTPH-G	13.2713		19.4989	0.0133	J B1	0.1

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	
Work Order Number	
Sample Number	Related Blank: noblank
QC Batch Number	**gb4029**
Client Sample ID	
Date Received	
Date Prepared	**11/30/04**
Date Analyzed	**12/1/04**
Sample matrix type	**solid**
QC sample type	**blank**

Sample weight (g)	**10**	=	0.01 kg	Calc. Factor	0.04
Extract volume (ml)	**10**	=	10 ml	Dry Weight	10 g
Dilution Factor		=	1	Units	mg/kg
% Solids		=	1	Spike Factor	0.04
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Trifluorotoluene	103.2312		103	**OK**	50	150
x	1-Chloro-3-fluorobenzene	110.0225		110	**OK**	50	150
x	Bromofluorobenzene	109.3962		109	**OK**	50	150
x	Pentafluorobenzene	83.9638		84	**OK**	50	150
				-	**-**		
	Hydrocarbon name for X1flag			-	**-**		

FALSE <-- do not overwrite this cell

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Gasoline by NWTPH-G	21.7685			0.871	J	4

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	
Work Order Number	
Sample Number	Related Blank: noblank
QC Batch Number	**gb4030**
Client Sample ID	
Date Received	
Date Prepared	**12/3/04**
Date Analyzed	**12/3/04**
Sample matrix type	**liquid**
QC sample type	**blank**

Sample volume (ml)		=	0.005 L	Calc. Factor	0.001
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	mg/L
% Solids		=	1	Spike Factor	0.001
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Trifluorotoluene	91.9478		91.9	**OK**	50	150
x	1-Chloro-3-fluorobenzene	99.7298		99.7	**OK**	50	150
x	Bromofluorobenzene	96.6904		96.7	**OK**	50	150
x	Pentafluorobenzene	77.3872		77.4	**OK**	50	150
				-	-		
	Hydrocarbon name for X1flag			-	-		

FALSE <-- do not overwrite this cell

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Gasoline by NWTPH-G	19.4989			0.0195	J	0.1

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	
Work Order Number	
Sample Number	Related Blank: gb4029
QC Batch Number	**gb4029**
Client Sample ID	
Date Received	
Date Prepared	**11/30/04**
Date Analyzed	**12/1/04**
Sample matrix type	**solid**
QC sample type	**bs**

Sample weight (g)	**10**	=	0.01 kg	Calc. Factor	0.04
Extract volume (ml)	**10**	=	10 ml	Dry Weight	10 g
Dilution Factor		=	1	Units	mg/kg
% Solids		=	1	Spike Factor	0.04
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Trifluorotoluene	109.2999		109	**OK**	50	150
x	1-Chloro-3-fluorobenzene	110.1272		110	**OK**	50	150
x	Bromofluorobenzene	109.8302		110	**OK**	50	150
x	Pentafluorobenzene	101.266		101	**OK**	50	150
				-	-		
	Hydrocarbon name for X1flag			-	-		

FALSE <-- do not overwrite this cell

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Gasoline by NWTPH-G	1248.707		21.7685	49.9	B2	4

01406

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	
Work Order Number	
Sample Number	Related Blank: gb4030
QC Batch Number	**gb4030**
Client Sample ID	
Date Received	
Date Prepared	**12/3/04**
Date Analyzed	**12/3/04**
Sample matrix type	**liquid**
QC sample type	**bs**

Sample volume (ml)		=	0.005 L	Calc. Factor	0.001
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	mg/L
% Solids		=	1	Spike Factor	0.001
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Trifluorotoluene	105.3114		105	**OK**	50	150
x	1-Chloro-3-fluorobenzene	107.7259		108	**OK**	50	150
x	Bromofluorobenzene	103.7024		104	**OK**	50	150
x	Pentafluorobenzene	104.7586		105	**OK**	50	150
				-	-		
	Hydrocarbon name for X1flag			-	-		

FALSE <-- do not overwrite this cell

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Gasoline by NWTPH-G	1254.063		19.4989	1.25	B2	0.1

STL Seattle

6a **Sample Information**

INSTRUMENT

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**gb4029**
Client Sample ID	
Date Received	
Date Prepared	**11/30/04**
Date Analyzed	**12/1/04**
Sample matrix type	**solid**
QC sample type	**bsd**

Related Blank: gb4029

Sample weight (g)	**10**	=	0.01 kg	Calc. Factor	0.04
Extract volume (ml)	**10**	=	10 ml	Dry Weight	10 g
Dilution Factor		=	1	Units	mg/kg
% Solids		=	1	Spike Factor	0.04
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Trifluorotoluene	109.0364		109	**OK**	50	150
x	1-Chloro-3-fluorobenzene	109.4154		109	**OK**	50	150
x	Bromofluorobenzene	108.8292		109	**OK**	50	150
x	Pentafluorobenzene	101.3869		101	**OK**	50	150
				-	**-**		
	Hydrocarbon name for X1flag			-	**-**		

FALSE <-- do not overwrite this cell

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Gasoline by NWTPH-G	1297.759		21.7685	51.9	B2	4

01408

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	
Work Order Number	
Sample Number	Related Blank: gb4030
QC Batch Number	**gb4030**
Client Sample ID	
Date Received	
Date Prepared	**12/3/04**
Date Analyzed	**12/3/04**
Sample matrix type	**liquid**
QC sample type	**bsd**

Sample volume (ml)		=	0.005 L	Calc. Factor	0.001
Extract volume (ml)		=	10 ml	Dry Weight	-
Dilution Factor		=	1	Units	mg/L
% Solids		=	1	Spike Factor	0.001
Medium Level	**medium**	=	1	Rep. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Surr. Factor	1
mg/kg Carbon		=	1	Blk Dil. Fact	
				Raw Dil. Fact	10

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Trifluorotoluene	101.4977		101	**OK**	50	150
x	1-Chloro-3-fluorobenzene	103.1715		103	**OK**	50	150
x	Bromofluorobenzene	100.7333		101	**OK**	50	150
x	Pentafluorobenzene	101.9414		102	**OK**	50	150
				-	-		
	Hydrocarbon name for X1flag			-	-		

FALSE <-- do not overwrite this cell

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Gasoline by NWTPH-G	1207.434		19.4989	1.21	B2	0.1

NWTPH-Dx DATA PACKAGE

01410

SAMPLE DATA

01411

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14841.D Vial: 27
Acq On : 1 Dec 2004 2:53 Operator: jda
Sample : 125060-3 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:23 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.41	460870	15.863 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	129854	1.915 ng/ul

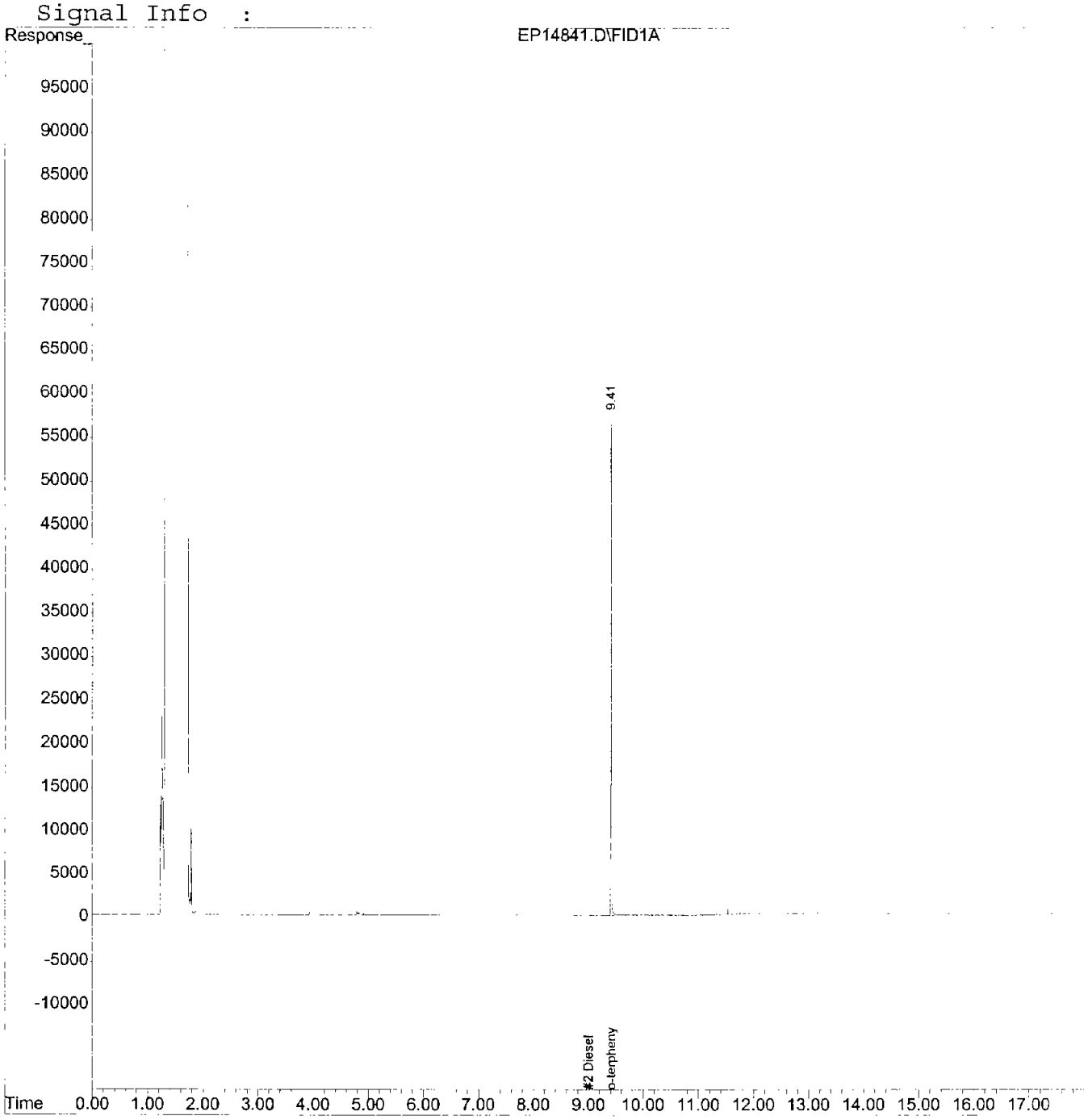
(f)=RT Delta > 1/2 Window (m)=manual int.

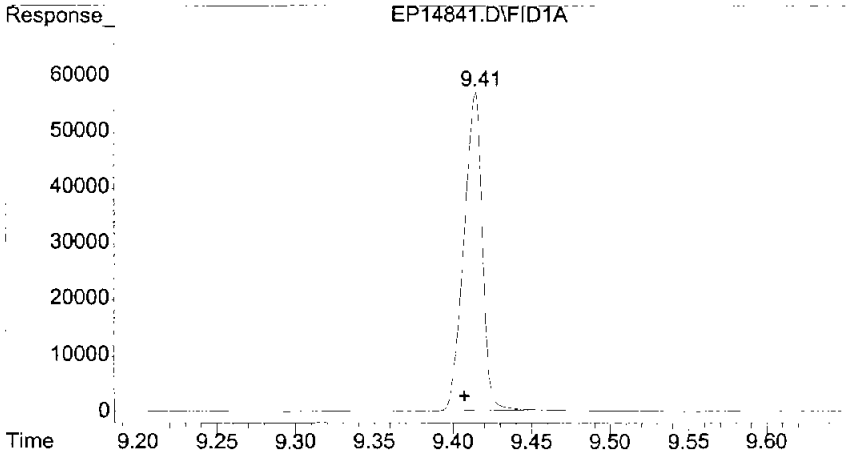
Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14841.D Vial: 27
Acq On : 1 Dec 2004 2:53 Operator: jda
Sample : 125060-3 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:23 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

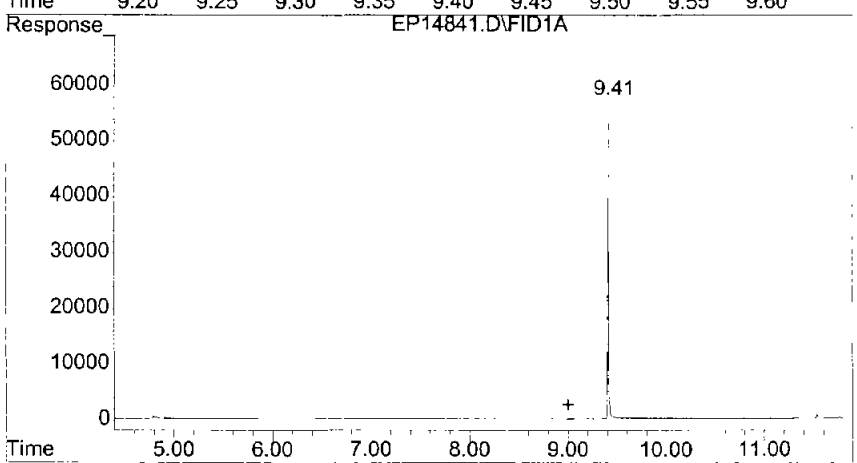
Volume Inj. :
Signal Phase :
Signal Info :





#1 o-terphenyl (S)

R.T.: 9.415 min
Delta R.T.: 0.008 min
Response: 460870
Conc: 15.86 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 129854
Conc: 1.92 ng/ul m

46869
01414

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14847.D Vial: 33
Acq On : 1 Dec 2004 5:31 Operator: jda
Sample : 125060-4 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:24 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

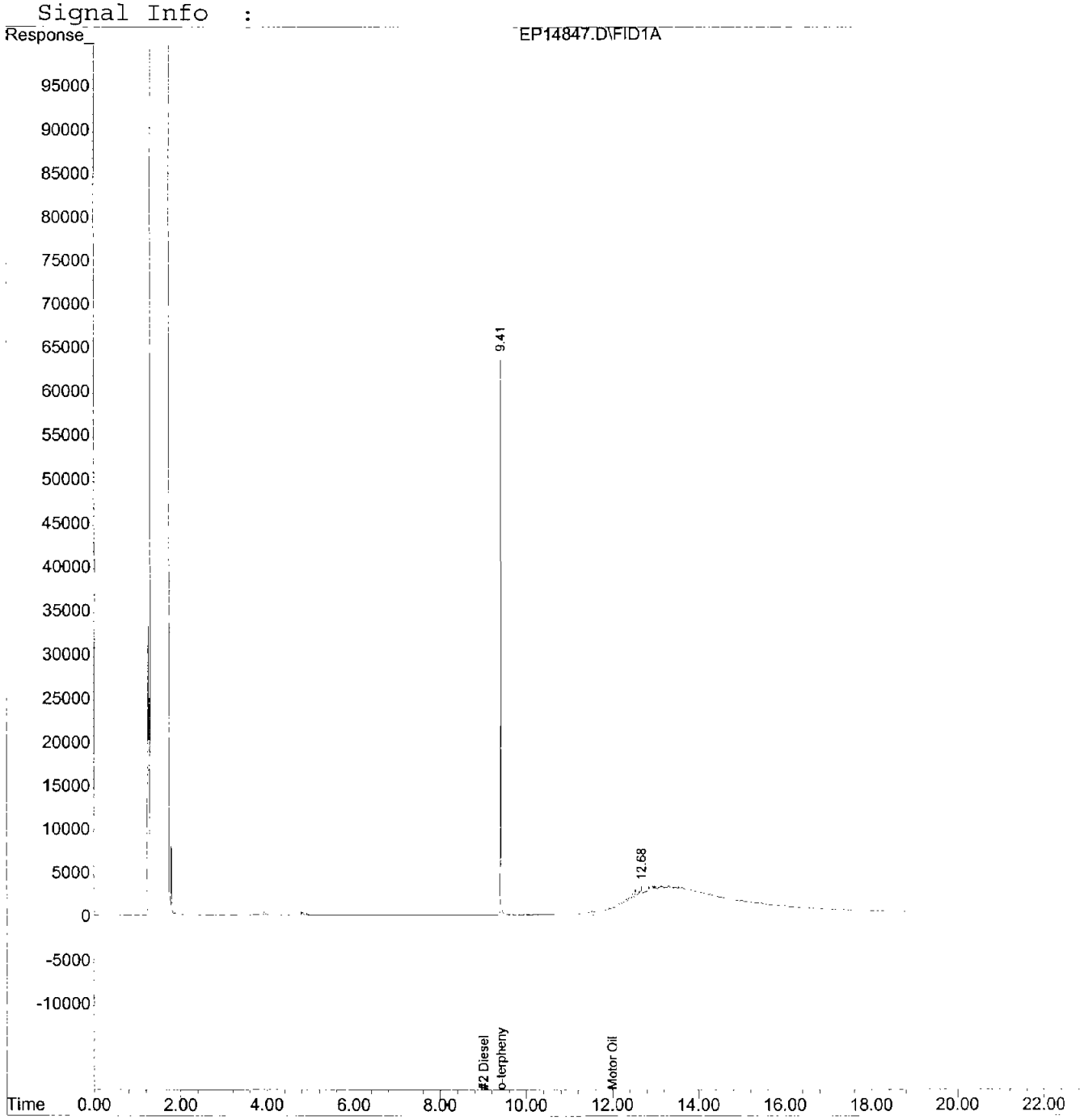
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.41	543306	18.700 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	274015	7.308 ng/ul
3) H Motor Oil	12.00	2506839	153.635 ng/ul

Quantitation Report (Not Reviewed)

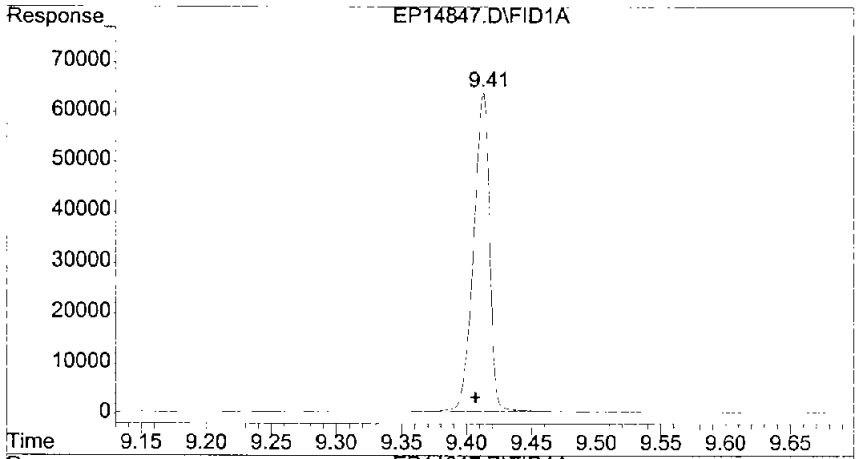
Data File : G:\DATA\113004_A\EP14847.D Vial: 33
Acq On : 1 Dec 2004 5:31 Operator: jda
Sample : 125060-4 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:24 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

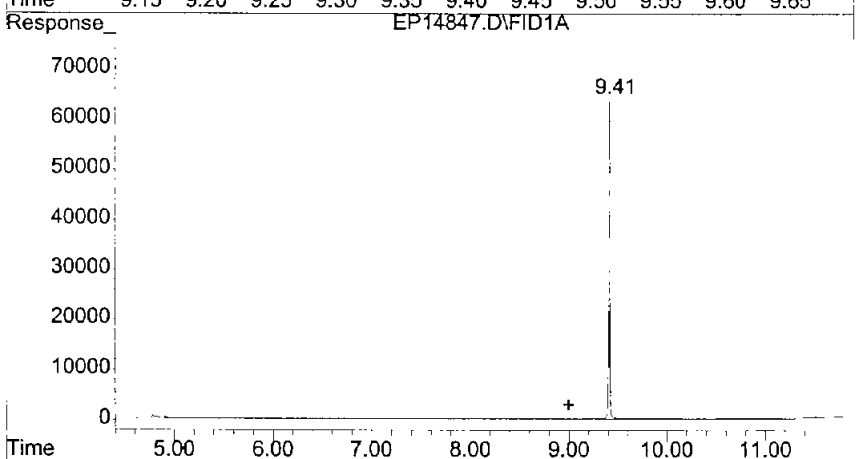


01416



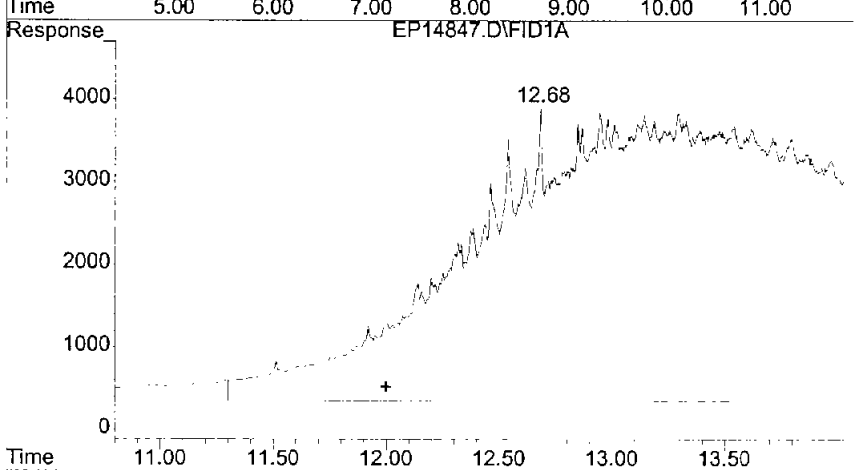
#1 o-terphenyl (S)

R.T.: 9.413 min
Delta R.T.: 0.006 min
Response: 543306
Conc: 18.70 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 274015
Conc: 7.31 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 2506839
Conc: 153.64 ng/ul m

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14842.D Vial: 28
Acq On : 1 Dec 2004 3:20 Operator: jda
Sample : 125060-6 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:23 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.41	490544	16.884 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	141596	2.354 ng/ul

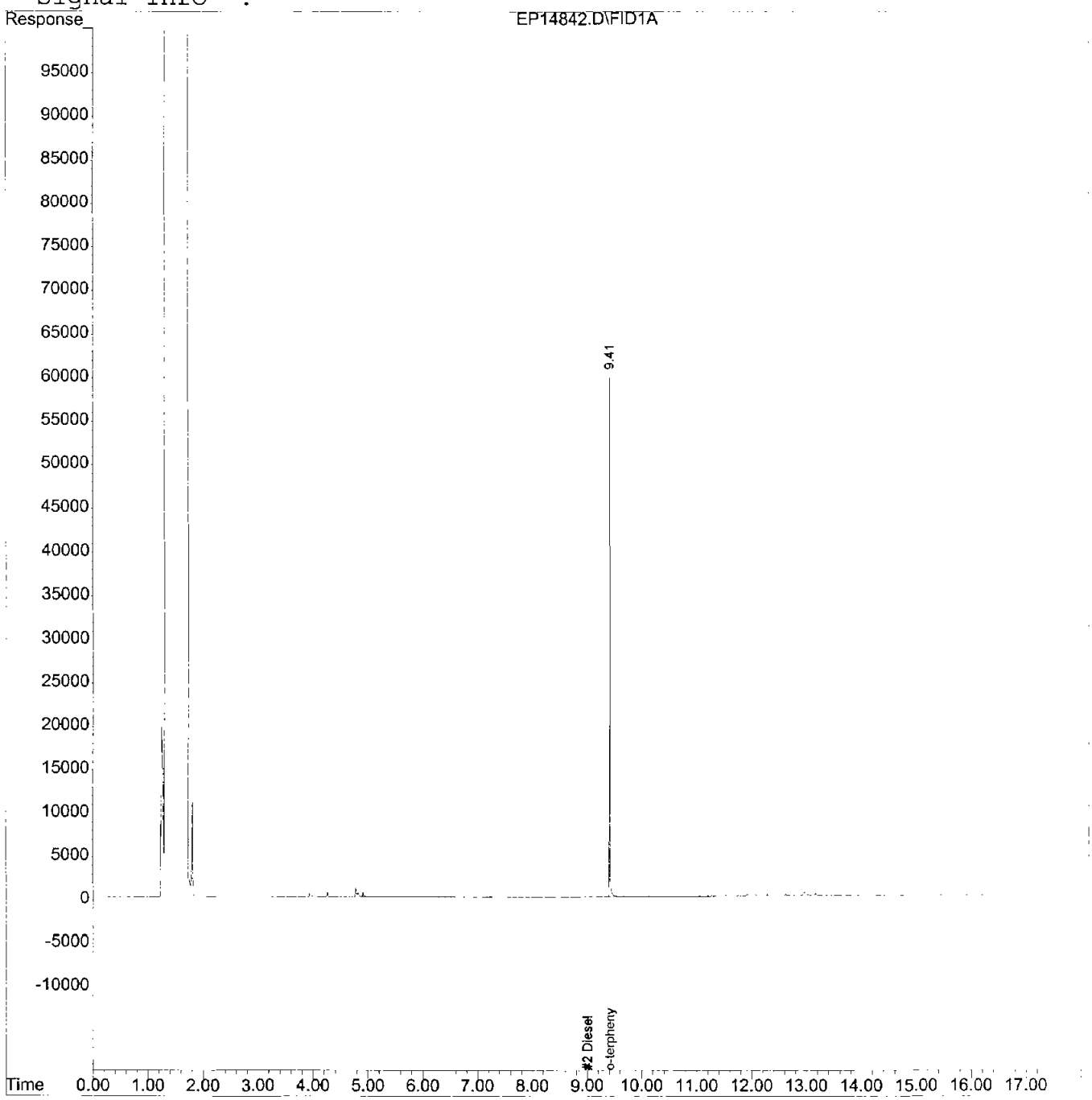
(f)=RT Delta > 1/2 Window (m)=manual int.

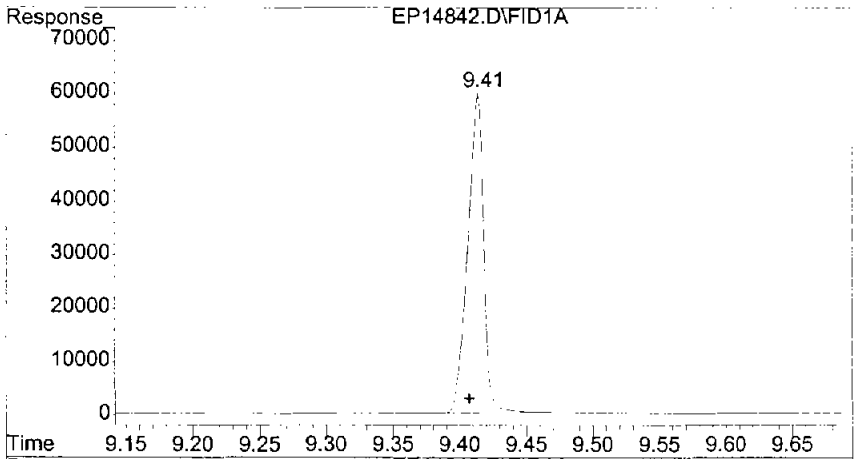
Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14842.D Vial: 28
Acq On : 1 Dec 2004 3:20 Operator: jda
Sample : 125060-6 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:23 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

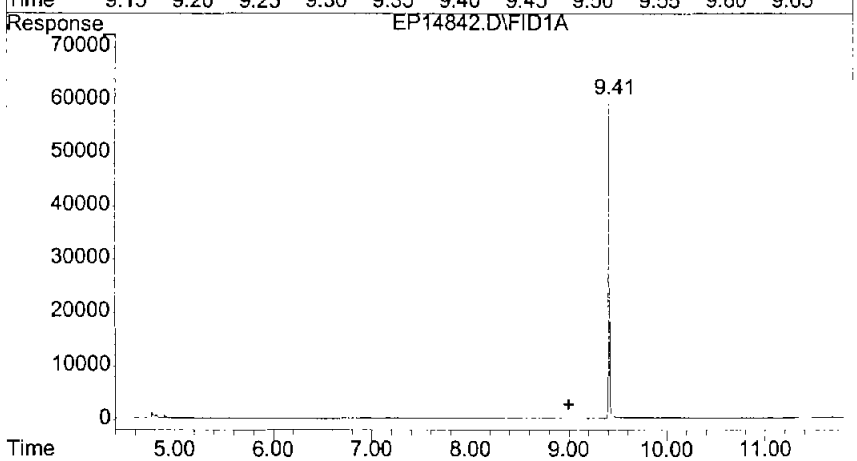
Volume Inj. :
Signal Phase :
Signal Info :





#1 o-terphenyl (S)

R.T.: 9.414 min
Delta R.T.: 0.007 min
Response: 490544
Conc: 16.88 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 141596
Conc: 2.35 ng/ul m

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14843.D Vial: 29
Acq On : 1 Dec 2004 3:46 Operator: jda
Sample : 125060-6 &10 dup Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:23 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

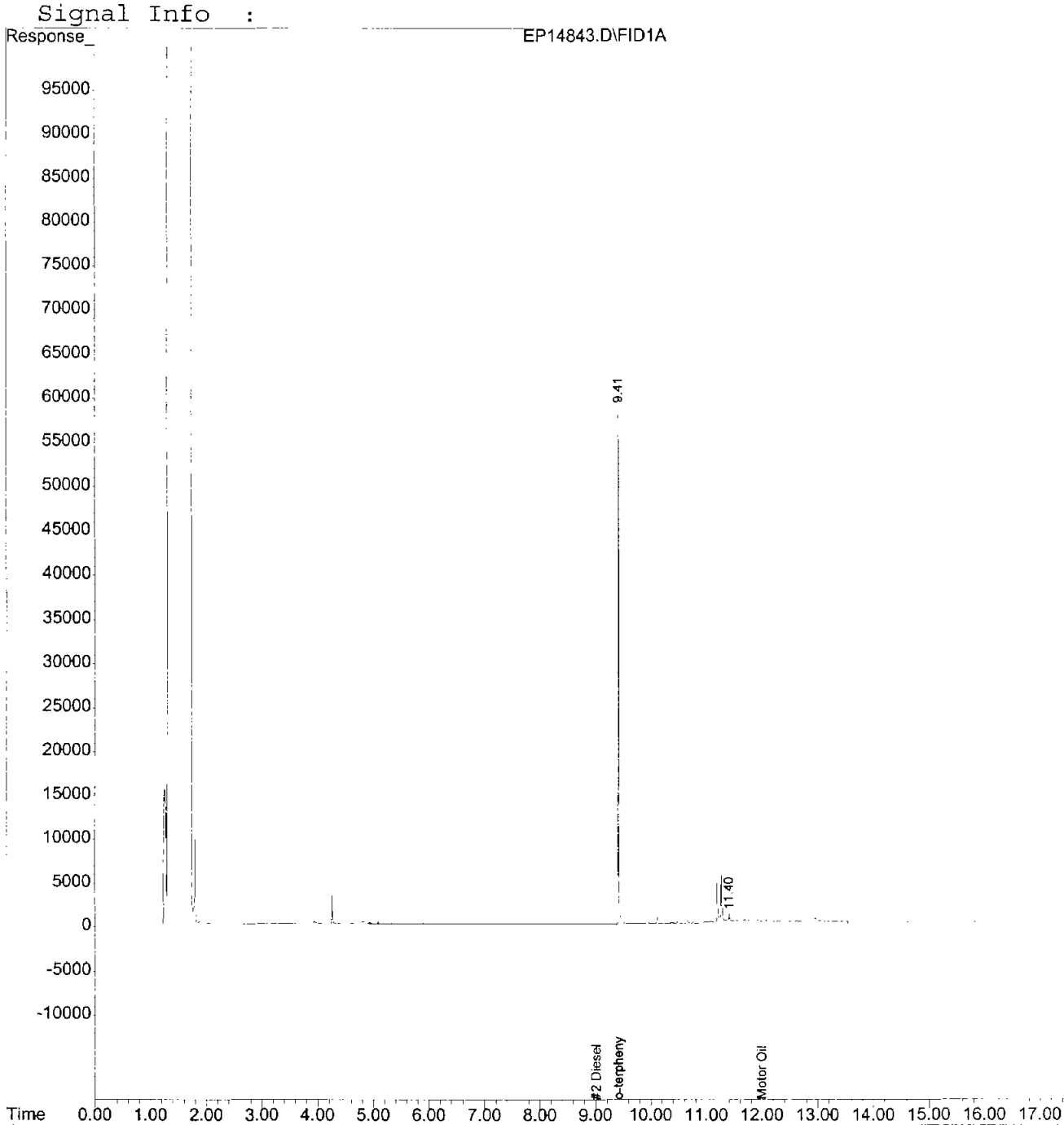
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.41	500169	17.216 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	351441	10.204 ng/ul
3) H Motor Oil	12.00	425499	~~2.74~~0 ng/ul

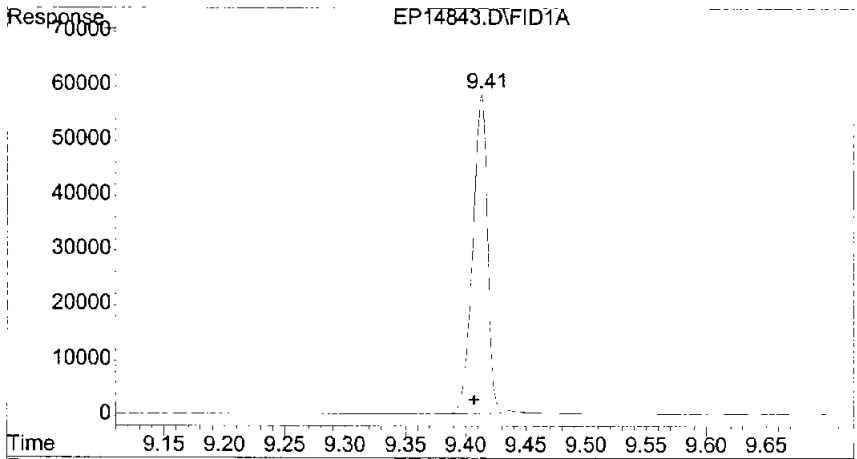
Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14843.D Vial: 29
Acq On : 1 Dec 2004 3:46 Operator: jda
Sample : 125060-6 &10 dup Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:23 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

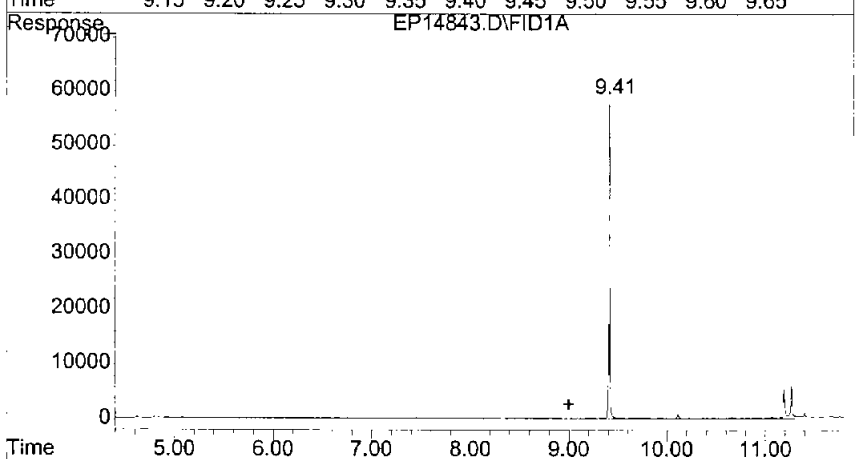
Volume Inj. :
Signal Phase :
Signal Info :





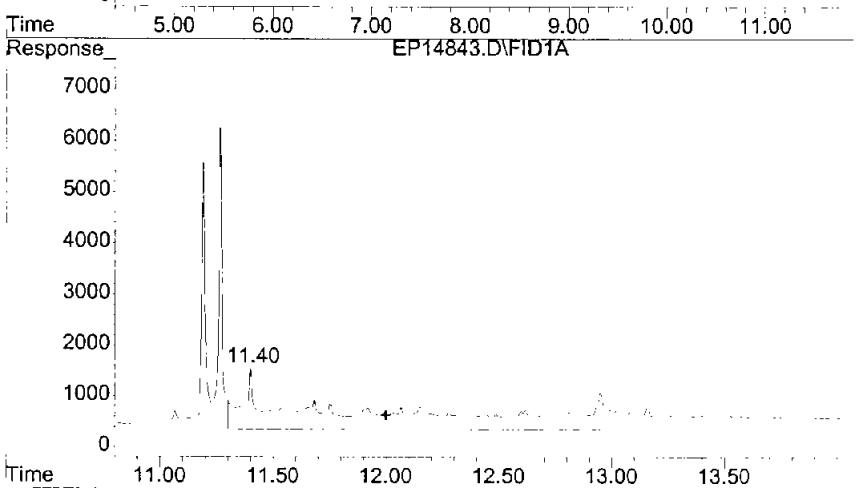
#1 o-terphenyl (S)

R.T.: 9.413 min
Delta R.T.: 0.006 min
Response: 500169
Conc: 17.22 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 351441
Conc: 10.20 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 425499
Conc: 2.74 ng/ul m

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14844.D Vial: 30
Acq On : 1 Dec 2004 4:12 Operator: jda
Sample : 125060-8 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:24 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.42	489593	16.852 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	123258	1.669 ng/ul

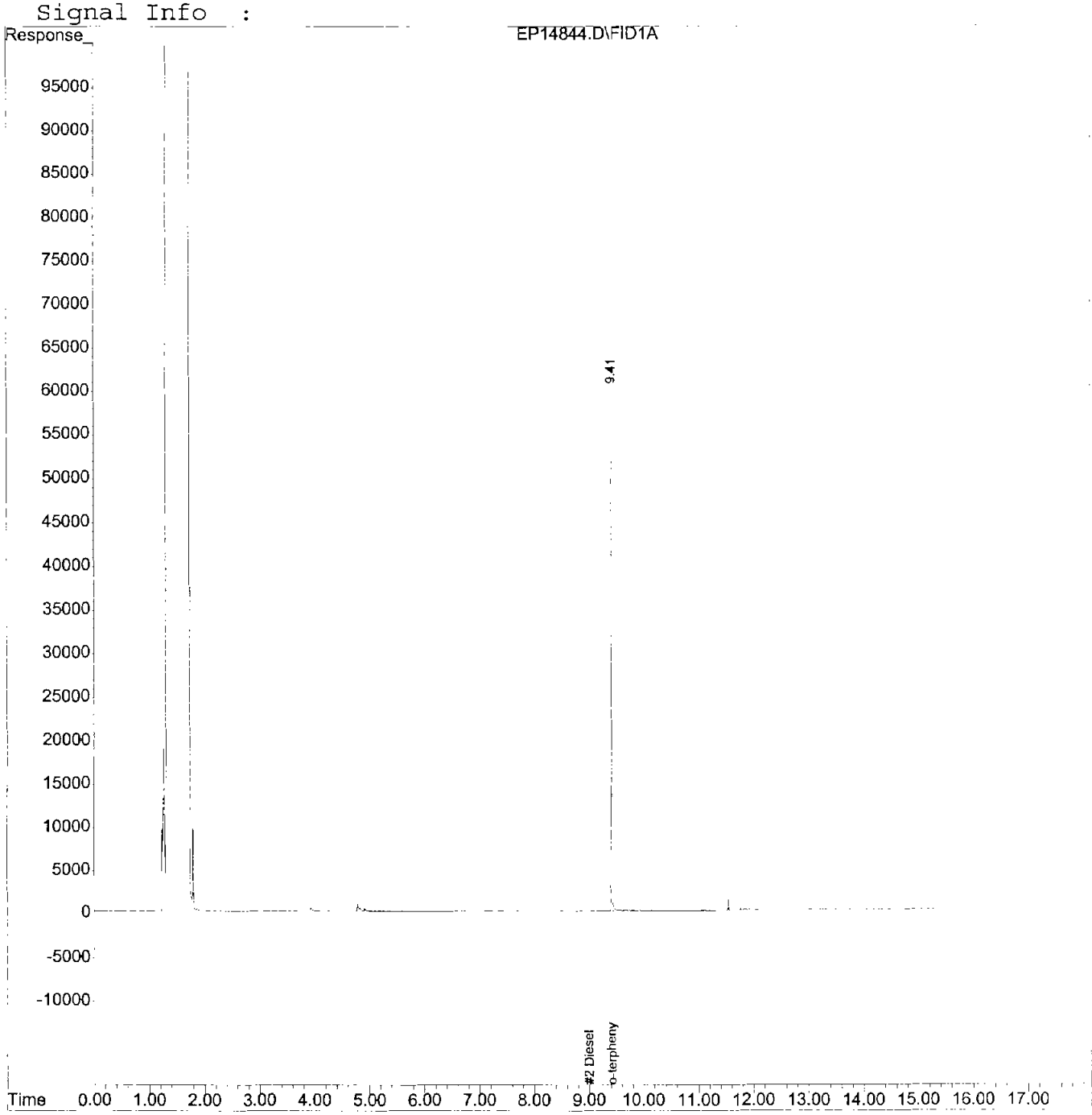
Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14844.D
Acq On : 1 Dec 2004 4:12
Sample : 125060-8 &10
Misc :
IntFile : EVENTS.E
Quant Time: Dec 1 8:24 2004 Quant Results File: NWDF1116.RES

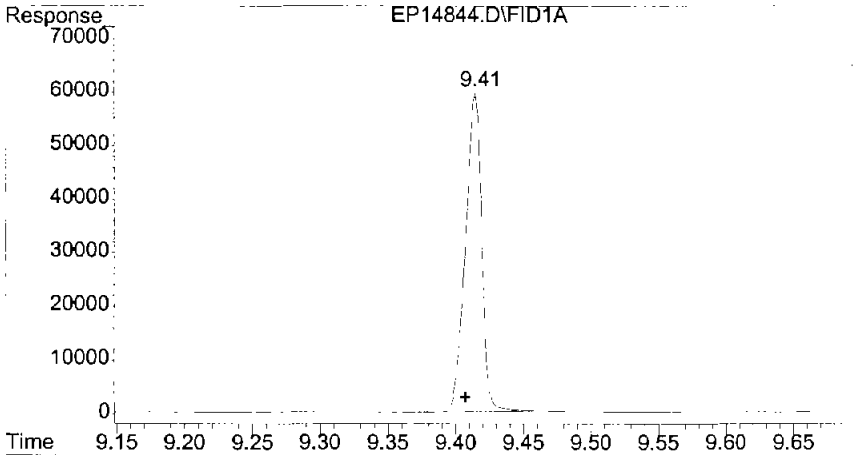
Vial: 30
Operator: jda
Inst : SEA016
Multiplr: 1.00

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

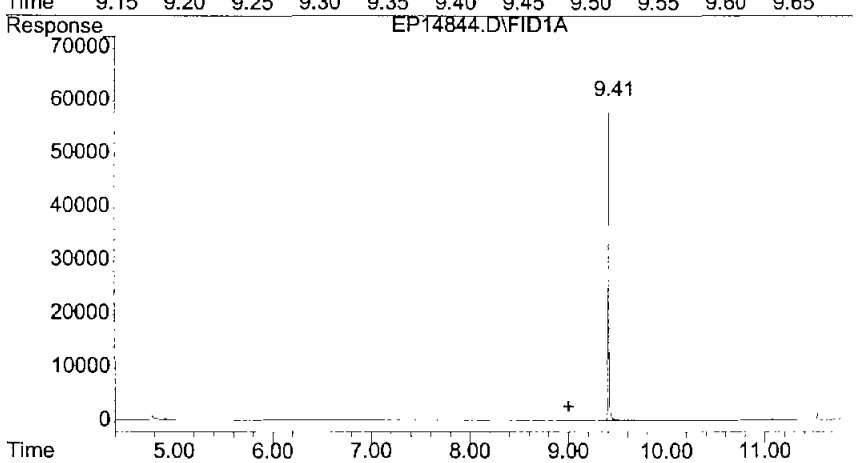


01425



#1 o-terphenyl (S)

R.T.: 9.415 min
Delta R.T.: 0.008 min
Response: 489593
Conc: 16.85 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 123258
Conc: 1.67 ng/ul m

01426

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14845.D Vial: 31
Acq On : 1 Dec 2004 4:39 Operator: jda
Sample : 125060-8 &10 ms Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:24 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.42	469962	16.176 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	13238276	492.262 ng/ul
3) H Motor Oil	12.00	7559600	519.957 ng/ul

(f)=RT Delta > 1/2 Window 46895 (m)=manual int.
EP14845.D NWDF1116.M Wed Dec 01 08:29:35 2004 Page 1

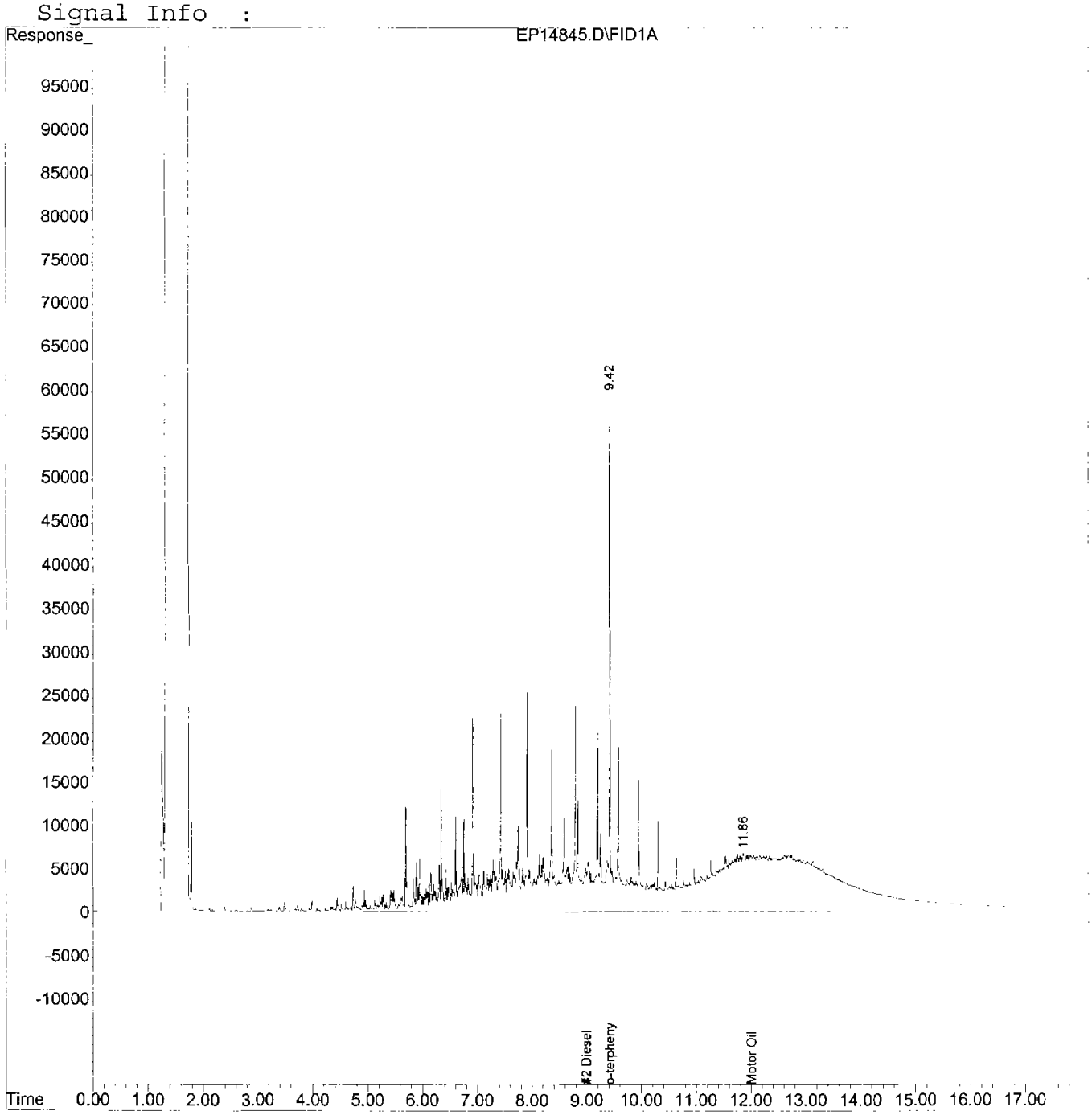
01427

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14845.D Vial: 31
Acq On : 1 Dec 2004 4:39 Operator: jda
Sample : 125060-8 &10 ms Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:24 2004 Quant Results File: NWDF1116.RES

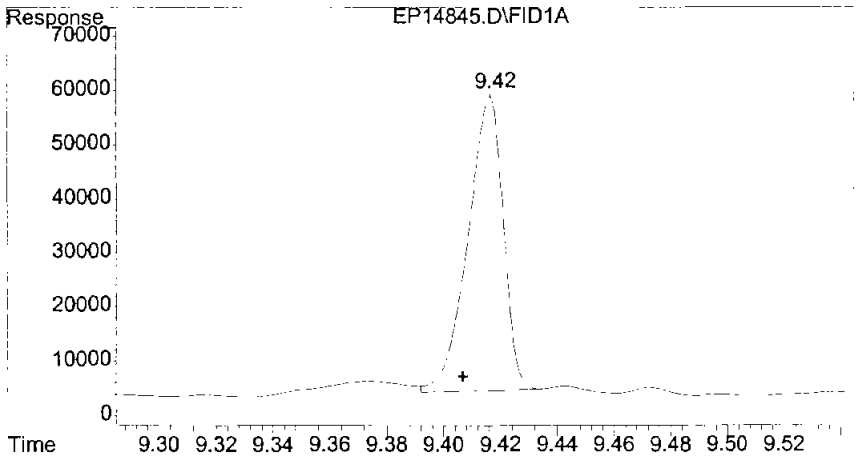
Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



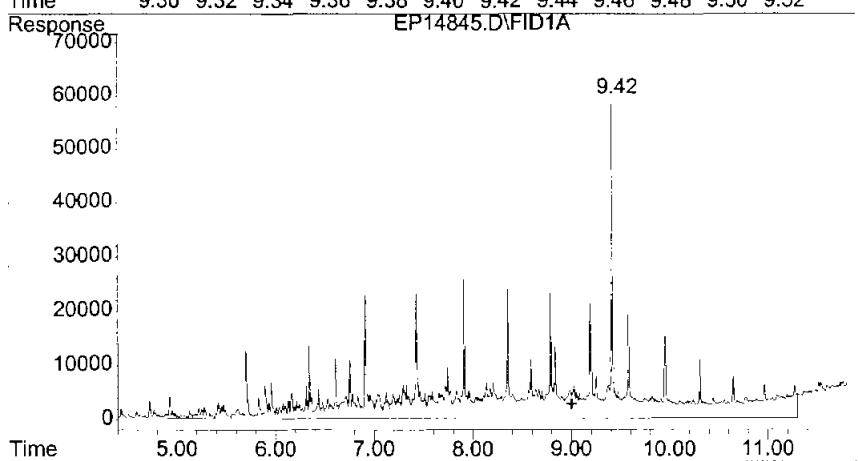
46897

01428



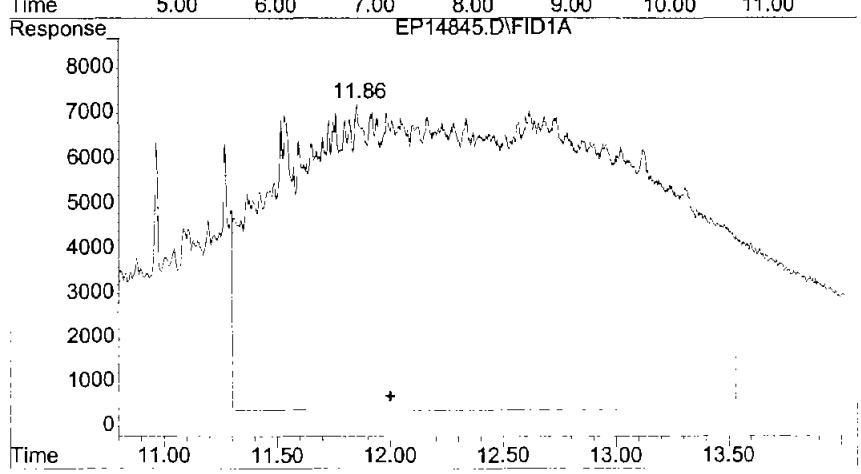
#1 o-terphenyl (S)

R.T.: 9.417 min
Delta R.T.: 0.010 min
Response: 469962
Conc: 16.18 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 13238276
Conc: 492.26 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 7559600
Conc: 519.96 ng/ul m

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14846.D Vial: 32
Acq On : 1 Dec 2004 5:05 Operator: jda
Sample : 125060-8 &10 msd Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:24 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

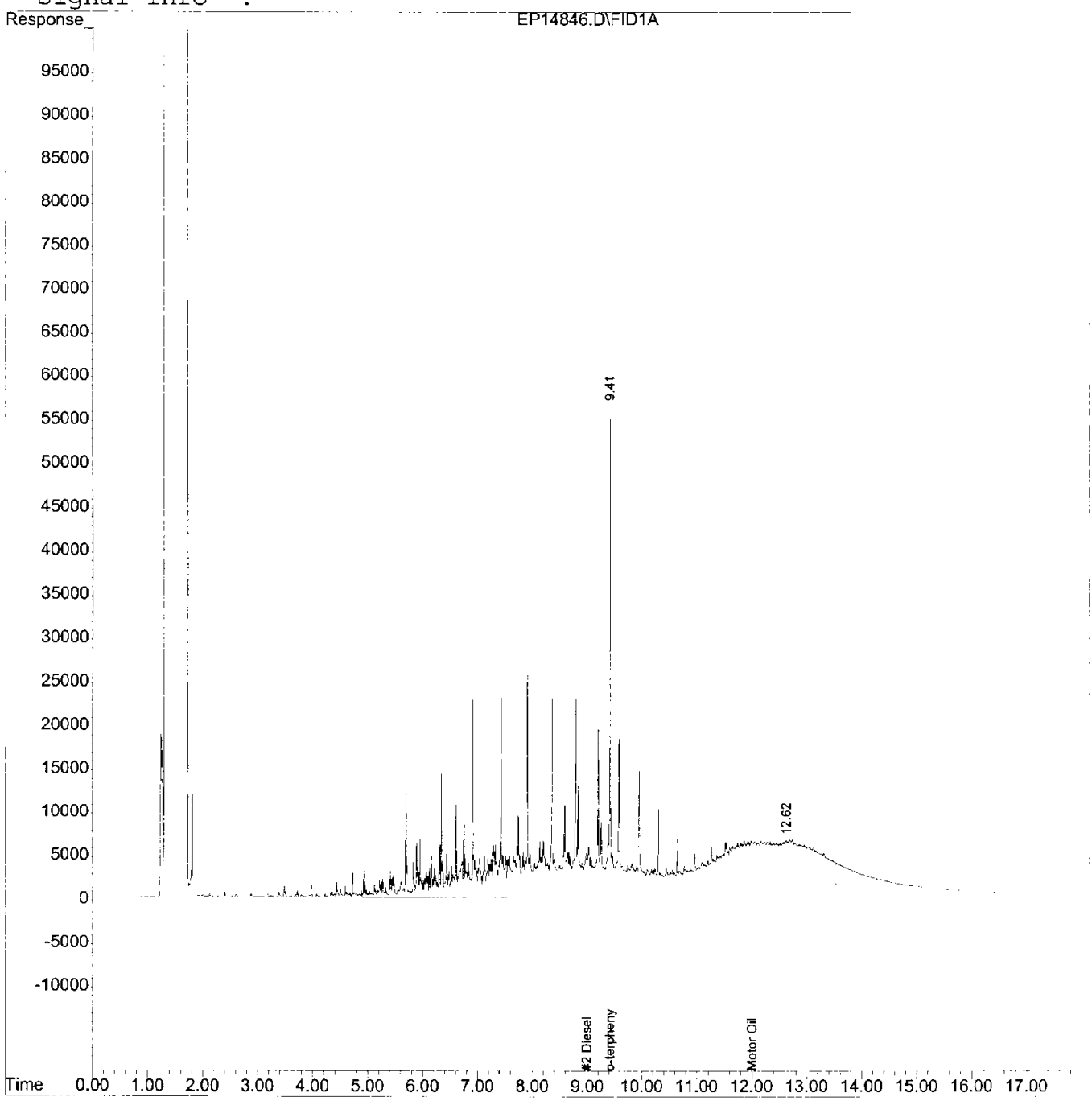
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.42	516105	17.764 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	13405312	498.510 ng/ul
3) H Motor Oil	12.00	7614404	523.930 ng/ul

Quantitation Report (Not Reviewed)

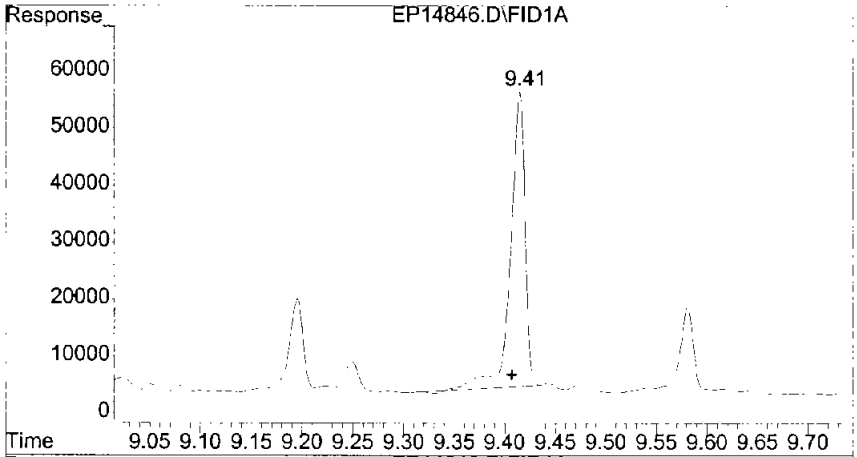
Data File : G:\DATA\113004_A\EP14846.D Vial: 32
Acq On : 1 Dec 2004 5:05 Operator: jda
Sample : 125060-8 &10 msd Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:24 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

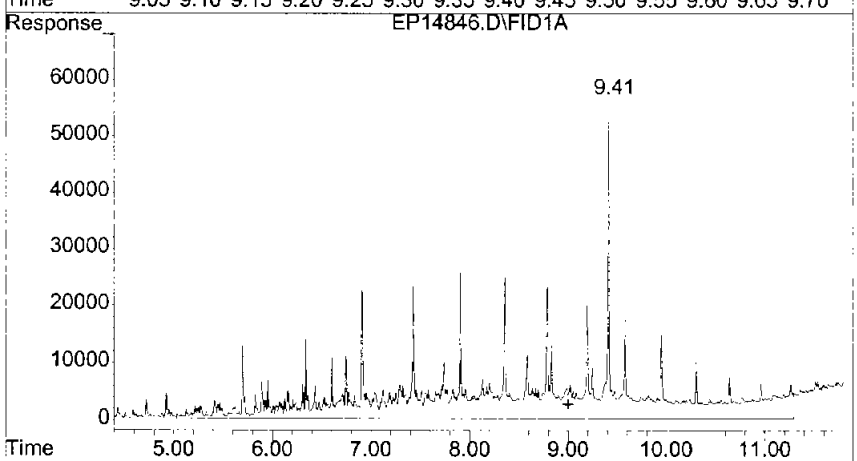


01431



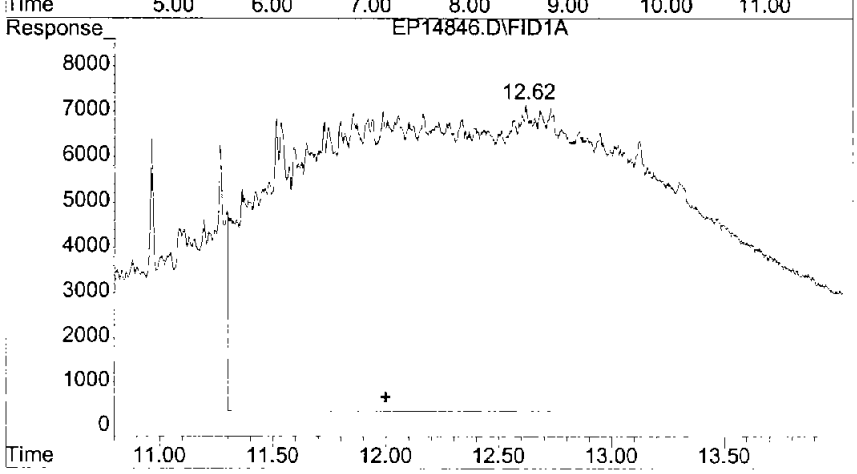
#1 o-terphenyl (S)

R.T.: 9.415 min
Delta R.T.: 0.008 min
Response: 516105
Conc: 17.76 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 13405312
Conc: 498.51 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 7614404
Conc: 523.93 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\120204_A\FA20740.D Vial: 10
Acq On : 02 Dec 2004 10:03 am Operator: RBF
Sample : 125060-10 liquid &5 Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 02 12:23:12 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.85	61674808	42.619 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	12299443	5.613 ng/ul
3) H Motor Oil	9.00	22824641	6.650 ng/ul

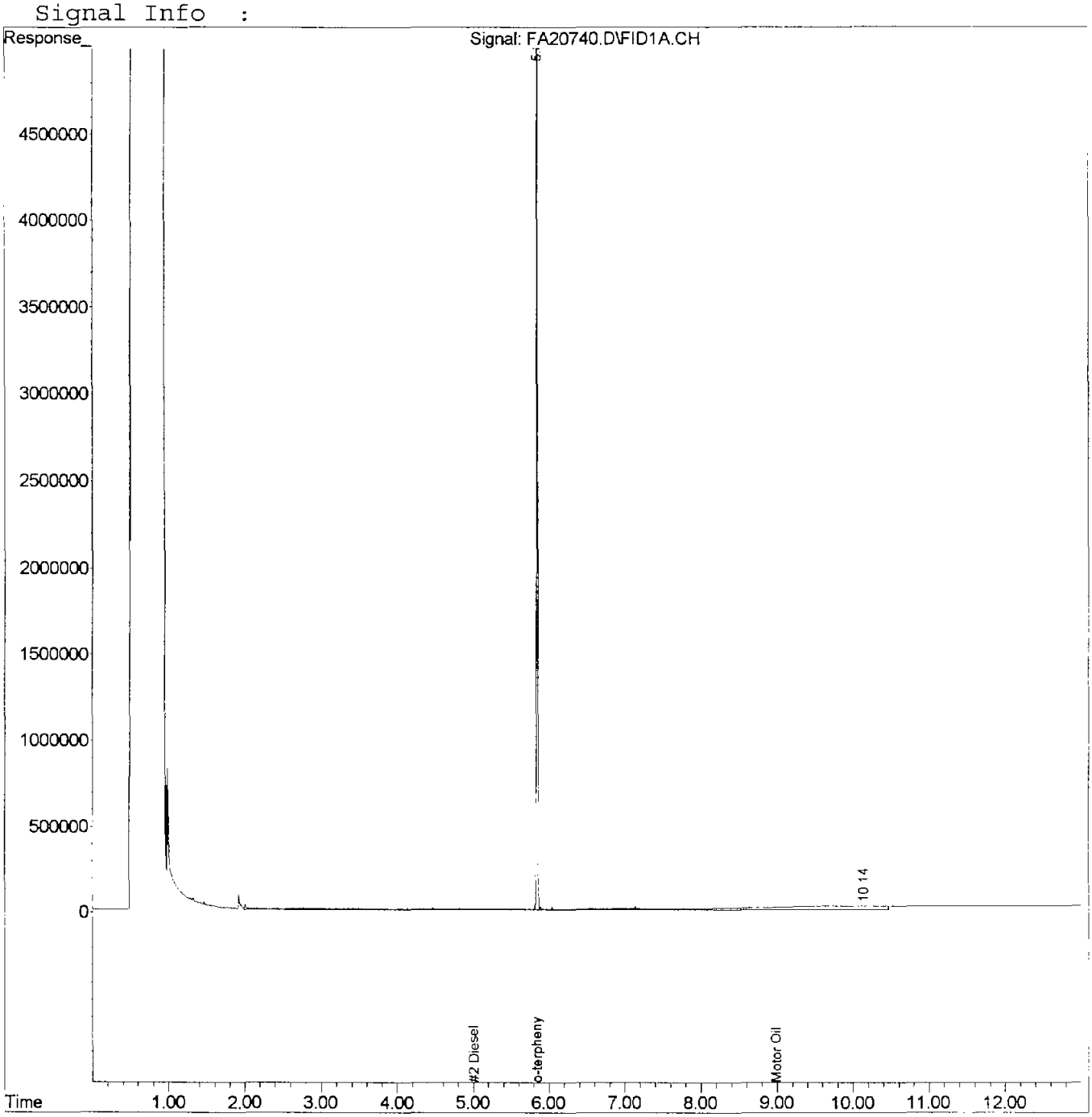
Quantitation Report (Not Reviewed)

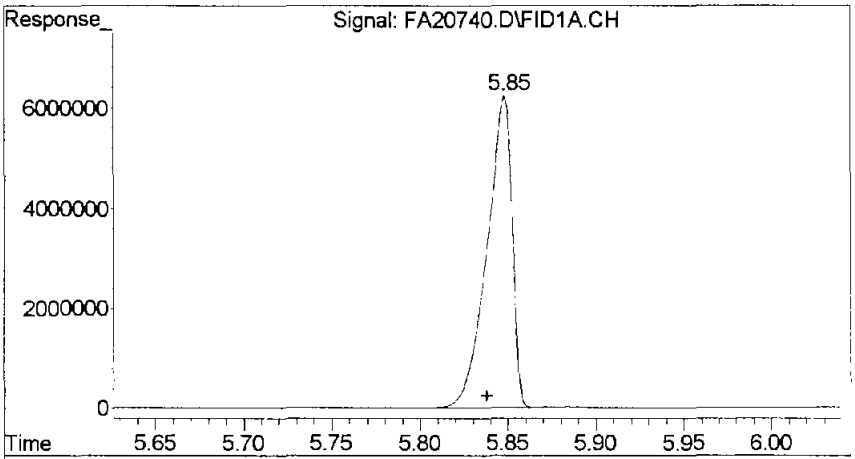
Data File : E:\DATA\120204_A\FA20740.D
Acq On : 02 Dec 2004 10:03 am
Sample : 125060-10 liquid &5
Misc :
IntFile : EVENTS.E
Quant Time: Dec 2 12:23 2004 Quant Results File: NWDF112404.RES

Vial: 10
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FAST.M

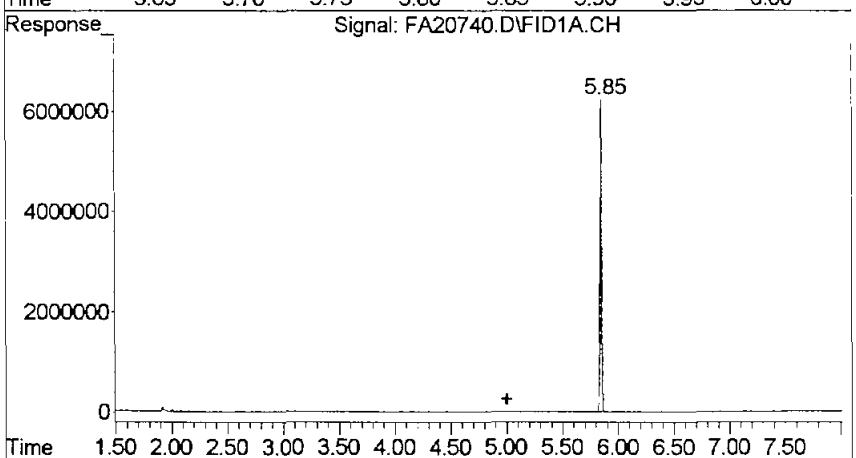
Volume Inj. :
Signal Phase :
Signal Info :





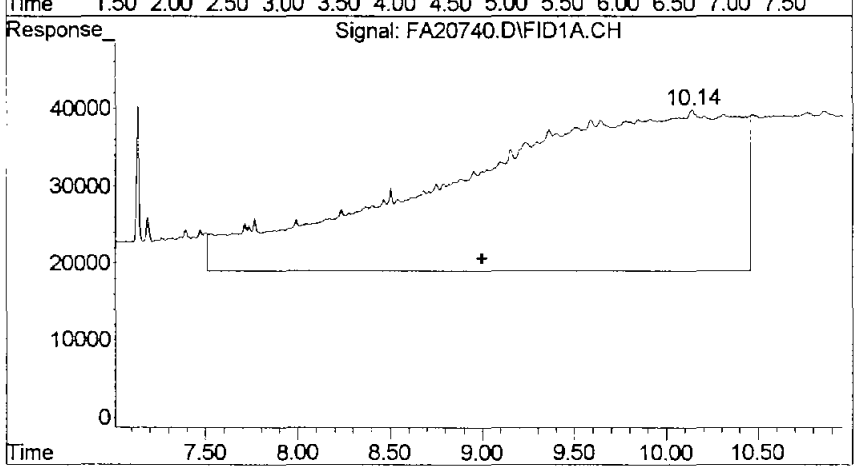
#1 o-terphenyl (S)

R.T.: 5.848 min
Delta R.T.: 0.010 min
Response: 61674808
Conc: 42.62 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 12299443
Conc: 5.61 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 22824641
Conc: 6.65 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\120204_A\FA20741.D Vial: 11
Acq On : 02 Dec 2004 10:21 am Operator: RBF
Sample : 125060-11 liquid &5 Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 02 12:23:13 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.85	63907944	44.162 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	7632489	2.026 ng/ul
3) H Motor Oil	9.00	19658177	1.755 ng/ul

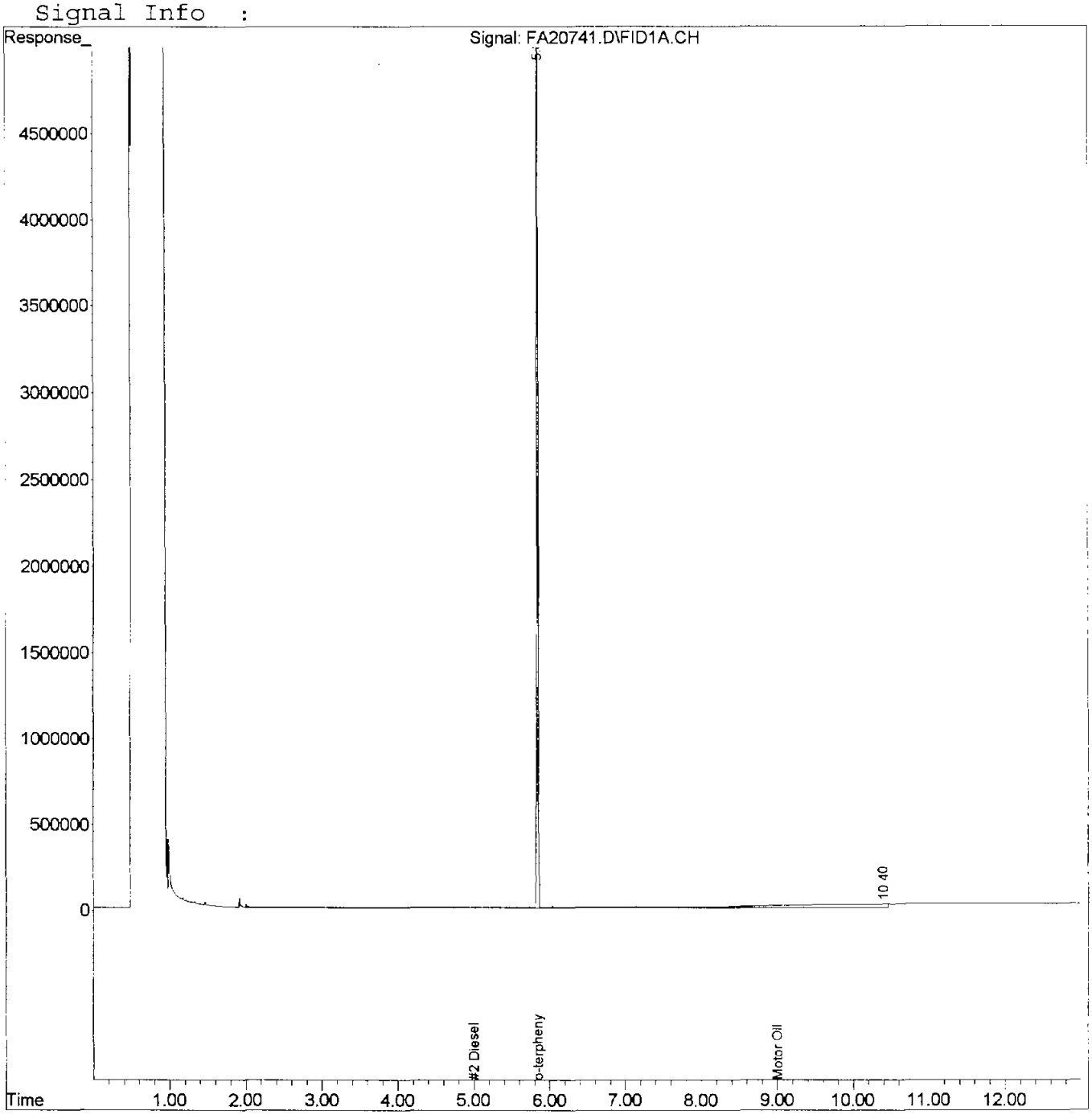
Quantitation Report (Not Reviewed)

Data File : E:\DATA\120204_A\FA20741.D
Acq On : 02 Dec 2004 10:21 am
Sample : 125060-11 liquid &5
Misc :
IntFile : EVENTS.E
Quant Time: Dec 2 12:23 2004 Quant Results File: NWDF112404.RES

Vial: 11
Operator: RBF
Inst : SEA013
Multiplr: 1.00

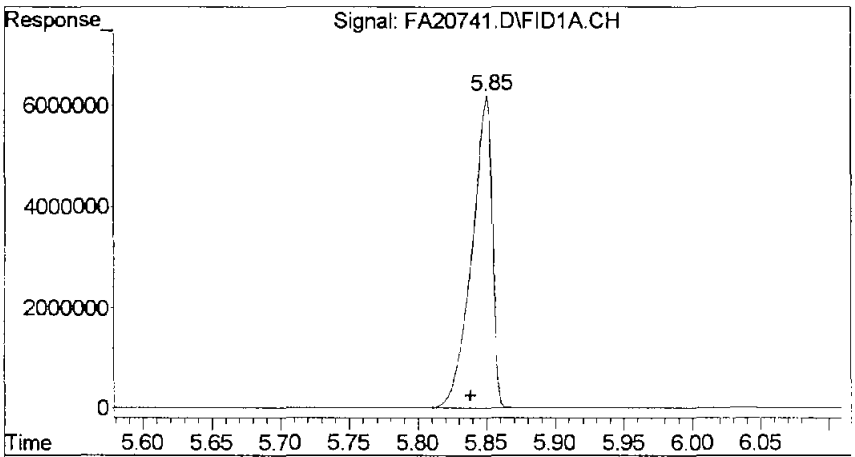
Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :



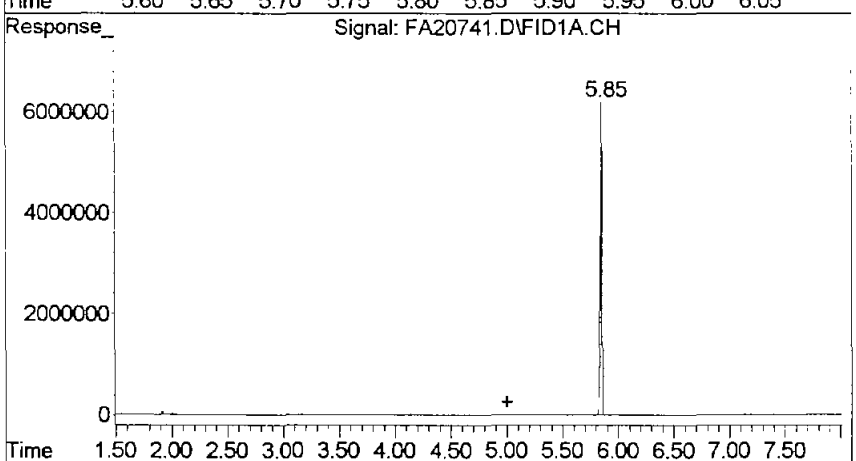
46915

01437



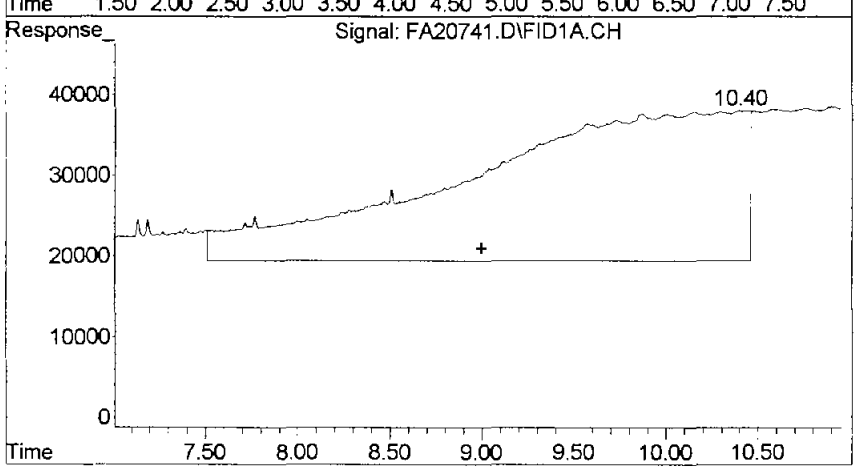
#1 o-terphenyl (S)

R.T.: 5.850 min
Delta R.T.: 0.012 min
Response: 63907944
Conc: 44.16 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 7632489
Conc: 2.03 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 19658177
Conc: 1.75 ng/ul m

INITIAL CALIBRATION

01439

Calibration Status Report SEA016

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	25	-1.00	0.00	G:\DATA\111604_A\EP14665.D
2	50	50.02	0.00	G:\DATA\111604_A\EP14666.D
3	100	100.04	0.00	G:\DATA\111604_A\EP14667.D
4	250	250.10	0.00	G:\DATA\111604_A\EP14668.D
5	500	500.20	0.00	G:\DATA\111604_A\EP14669.D
6	1000	1000.40	0.00	G:\DATA\111604_A\EP14670.D
7	2500	2501.00	0.00	G:\DATA\111604_A\EP14671.D
8	5000	5002.00	0.00	G:\DATA\111604_A\EP14672.D

#	ID	Update Time	Quant Time	Acquisition Time
1	25	Nov 17 07:38 2004	Nov 17 07:34 2004	16 Nov 2004 13:47
2	50	Nov 17 07:38 2004	Nov 17 07:35 2004	16 Nov 2004 14:14
3	100	Nov 17 07:38 2004	Nov 17 07:35 2004	16 Nov 2004 14:40
4	250	Nov 17 07:38 2004	Nov 17 07:35 2004	16 Nov 2004 15:11
5	500	Nov 17 07:39 2004	Nov 17 07:35 2004	16 Nov 2004 15:42
6	1000	Nov 17 07:39 2004	Nov 17 07:35 2004	16 Nov 2004 16:13
7	2500	Nov 17 07:39 2004	Nov 17 07:36 2004	16 Nov 2004 16:44
8	5000	Nov 17 07:39 2004	Nov 17 07:37 2004	16 Nov 2004 17:15

NWDF1116.M Wed Nov 17 07:52:12 2004

Response Factor Report SEA016

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Wed Nov 17 07:41:09 2004

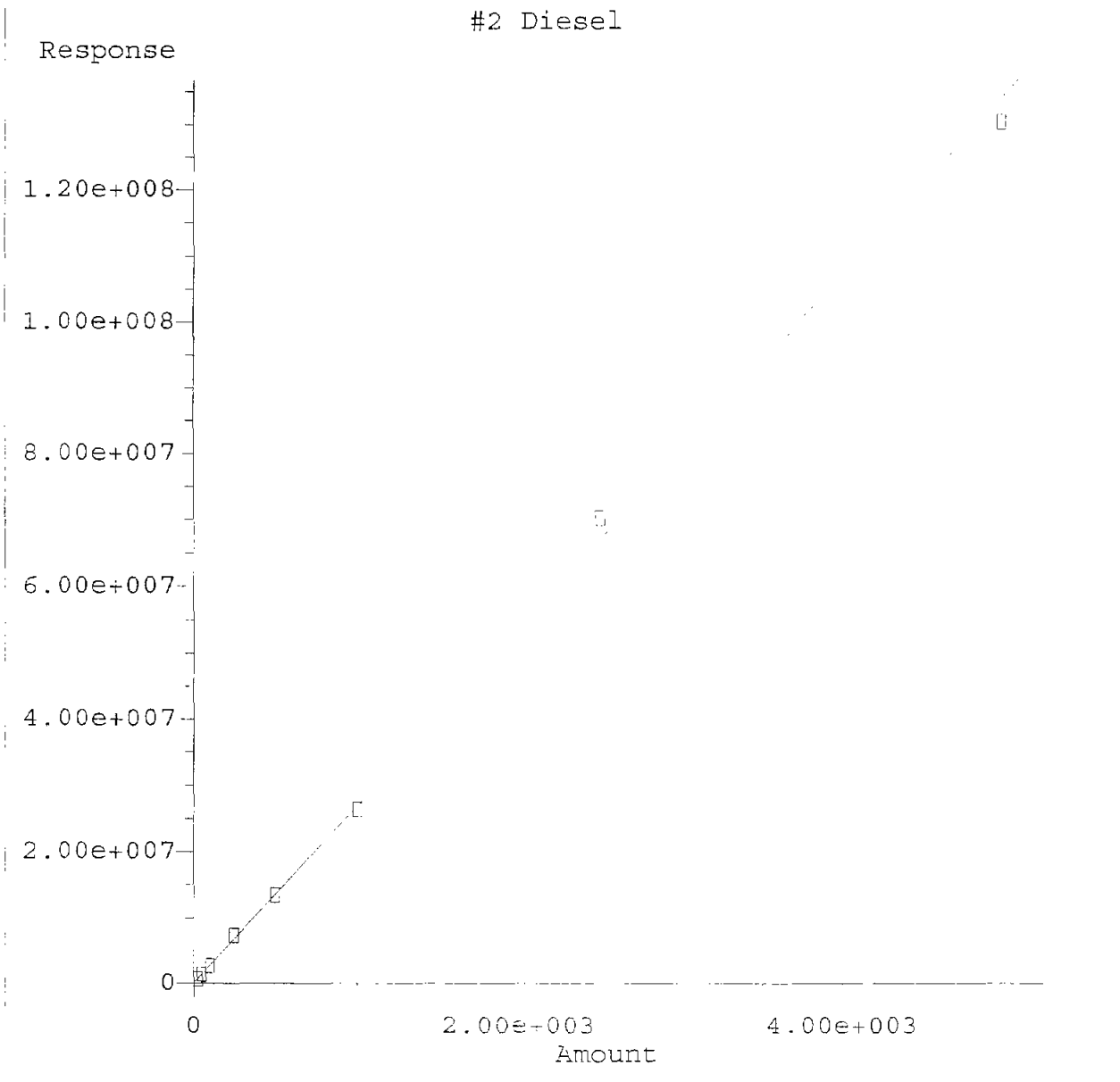
Calibration Files
25 =EP14665.D 50 =EP14666.D 100 =EP14667.D
250 =EP14668.D 500 =EP14669.D 1000 =EP14670.D

		Compound	25	50	100	250	500	1000	Avg	%RSD
1)	S	o-terphenyl (S)		2.574	2.746	3.119	2.945	2.984	2.905 E4	7.12
2)	H	#2 Diesel	2.698	2.839	2.758	2.952	2.693	2.640	2.750 E4	4.17
3)	H	Motor Oil		2.029	1.833	1.673	1.450	1.318	1.621 E4	16.88

#) = Out of Range ### Number of calibration levels exceeded format ###

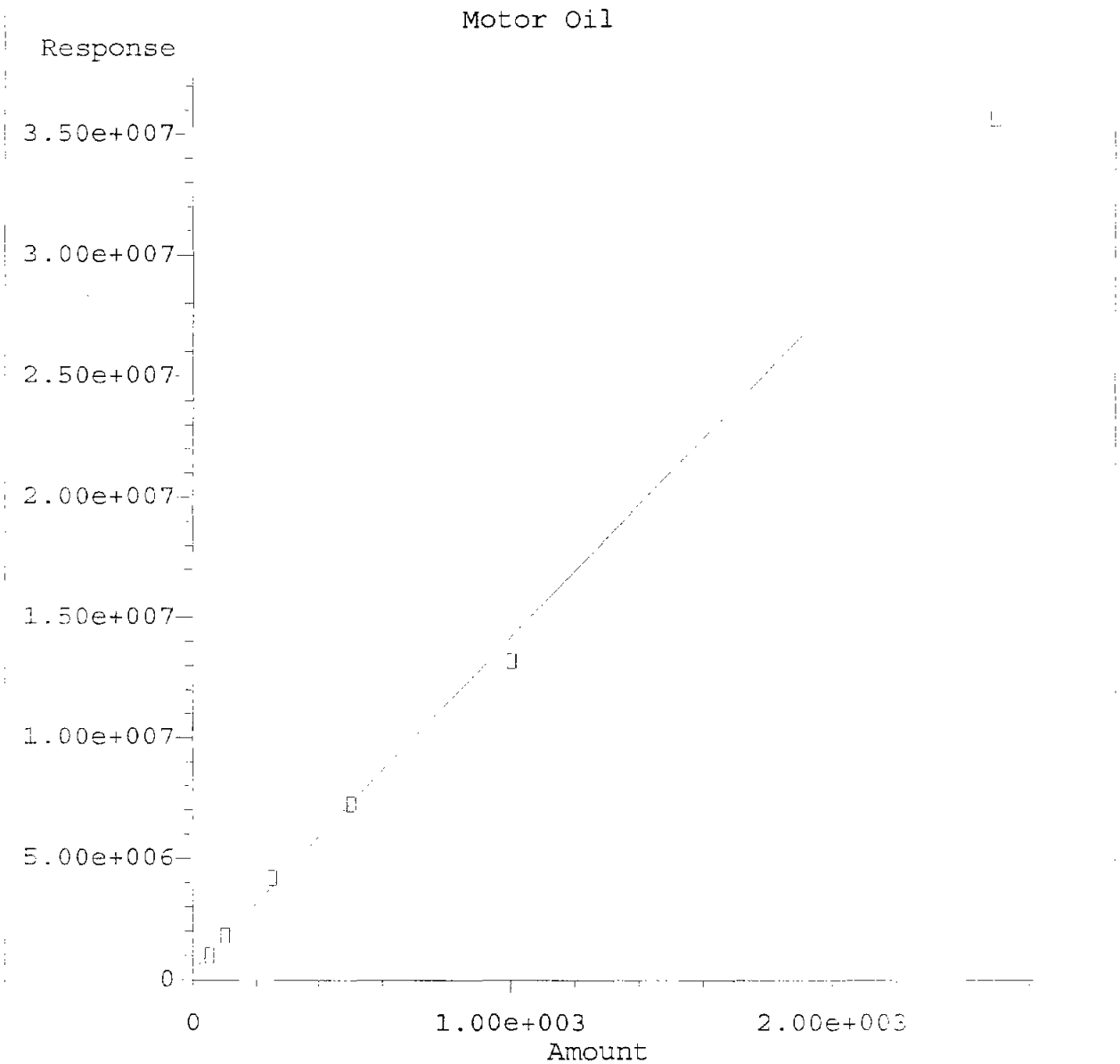
46923

01441



Response = 2.67e+004 * Amt + 7.87e+004
Coef of Det (r^2) = 0.999 Curve Fit: wlr(1/a)

Method Name: G:\METHODS\NWDF1116.M
Calibration Table Last Updated: Wed Nov 17 07:41:09 2004



Response = 1.38e+004 * Amt + 3.88e+005
Coef of Det (r^2) = 0.997 Curve Fit: wlr(1/a)

Method Name: G:\METHODS\NWDF1116.M
Calibration Table Last Updated: Wed Nov 17 07:41:09 2004

01443

Injection Log

Directory: G:\DATA\111604_A

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	Ep14663.d	1.	rinse		16 Nov 2004 12:55
2	2	Ep14664.d	1.	1166-61-8 n-alkane rt st		16 Nov 2004 13:21
3	3	Ep14665.d	1.	1166-60-1 25d ical		16 Nov 2004 13:47
4	4	Ep14666.d	1.	1166-60-2 50dm ical		16 Nov 2004 14:14
5	5	Ep14667.d	1.	1166-60-3 100dm ical		16 Nov 2004 14:40
6	6	Ep14668.d	1.	1166-60-4 250dm ical		16 Nov 2004 15:11
7	7	Ep14669.d	1.	1166-60-5 500dm ical		16 Nov 2004 15:42
8	8	Ep14670.d	1.	1166-60-6 1000dm ical		16 Nov 2004 16:13
9	9	Ep14671.d	1.	1166-60-7 2500dm ical		16 Nov 2004 16:44
10	10	Ep14672.d	1.	1166-60-8 5000dm ical		16 Nov 2004 17:15
11	11	Ep14673.d	1.	1166-59-2 1000dm icv		16 Nov 2004 17:46

Quantitation Report (QT Reviewed)

Data File : G:\DATA\111604_A\EP14665.D
Acq On : 16 Nov 2004 13:47
Sample : 1166-60-1 25d ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:42 2004 Quant Results File: NWDF1103.RES

Vial: 3
Operator: jda
Inst : SEA016
Multiplr: 1.00

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.41	21155	0.728 ng/ulm
Target Compounds			
2) H #2 Diesel	9.00	674918	22.304 ng/ul
3) H Motor Oil	12.00	566179	12.939 ng/ul

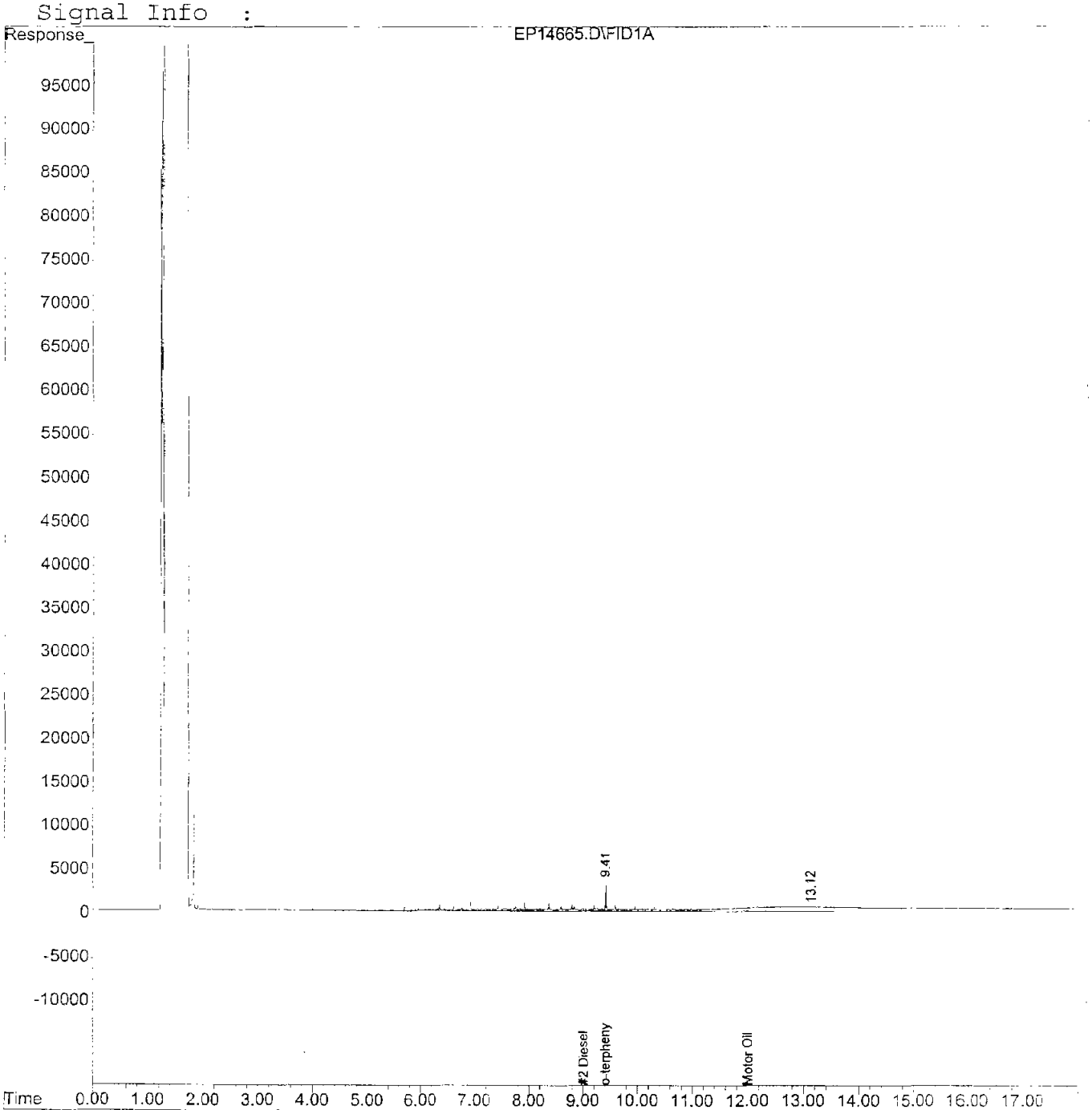
(f)=RT Delta > 1/2 Window (m)=manual int.

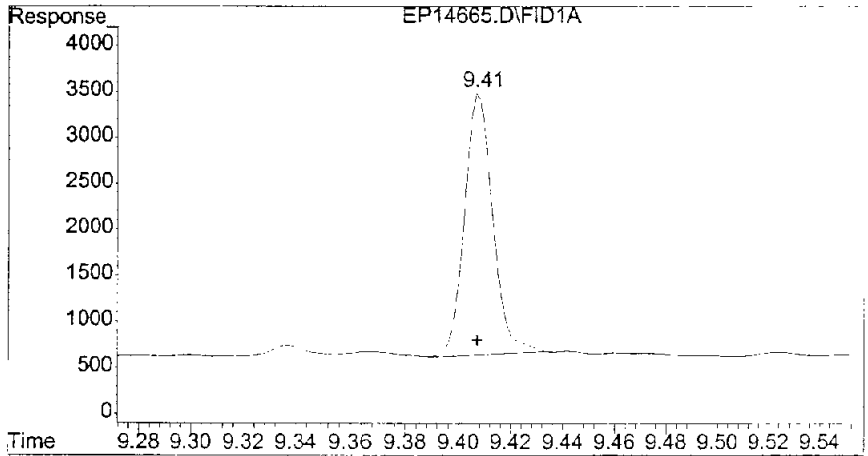
Quantitation Report (QT Reviewed)

Data File : G:\DATA\111604_A\EP14665.D Vial: 3
Acq On : 16 Nov 2004 13:47 Operator: jda
Sample : 1166-60-1 25d ical Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:42 2004 Quant Results File: NWDF1103.RES

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

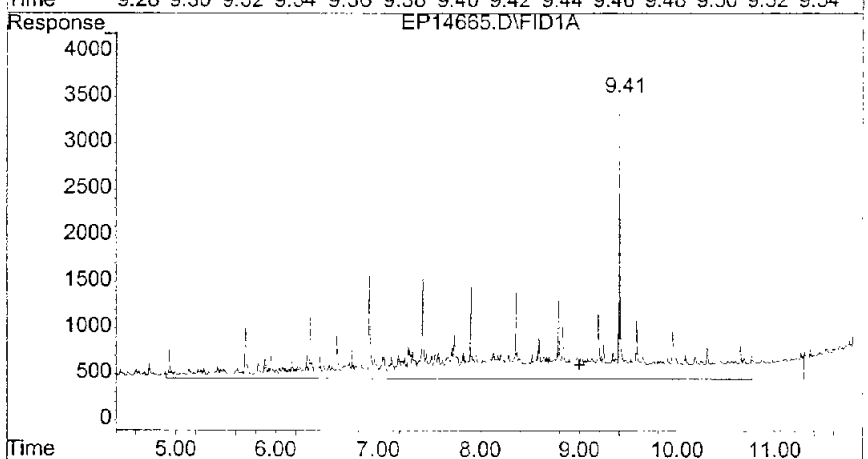
Volume Inj. :
Signal Phase :
Signal Info :





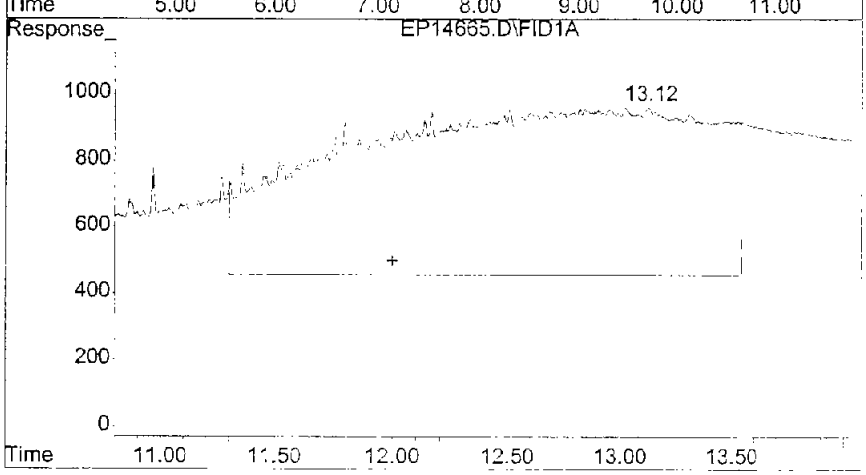
#1 o-terphenyl (S)

R.T.: 9.407 min
Delta R.T.: 0.000 min
Response: 21155
Conc: 0.73 ng/ul m



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 674918
Conc: 22.30 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 566179
Conc: 12.94 ng/ul m

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14666.D
Acq On : 16 Nov 2004 14:14
Sample : 1166-60-2 50dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:42 2004 Quant Results File: NWDF1103.RES

Vial: 4
Operator: jda
Inst : SEA016
Multiplr: 1.00

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.41	51479	1.772 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	1420273	50.186 ng/ul
3) H Motor Oil	12.00	1014860	45.468 ng/ul

(f)=RT Delta > 1/2 Window (m)=manual int.

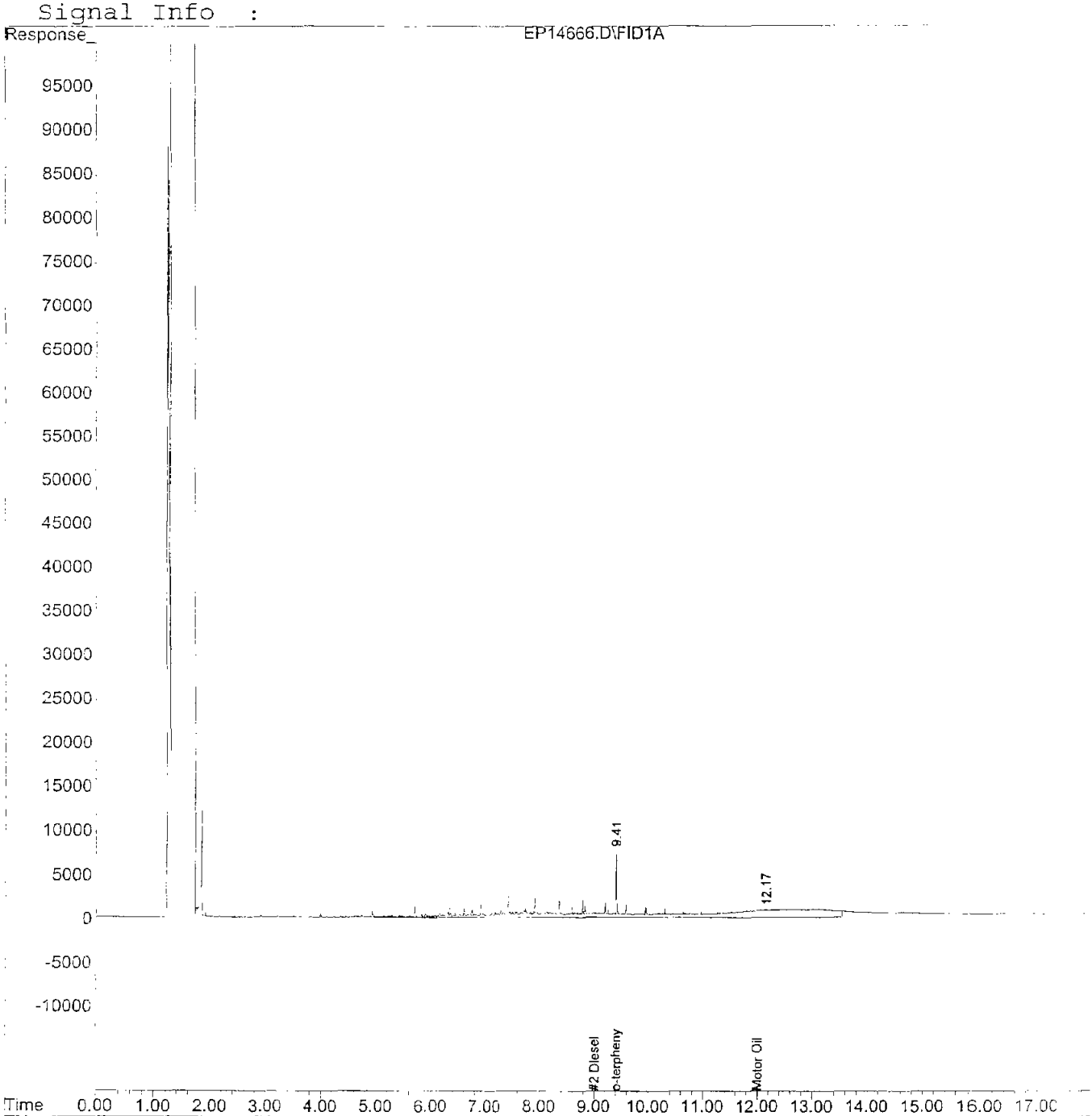
Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14666.D
Acq On : 16 Nov 2004 14:14
Sample : 1166-60-2 50dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:42 2004 Quant Results File: NWDF1103.RES

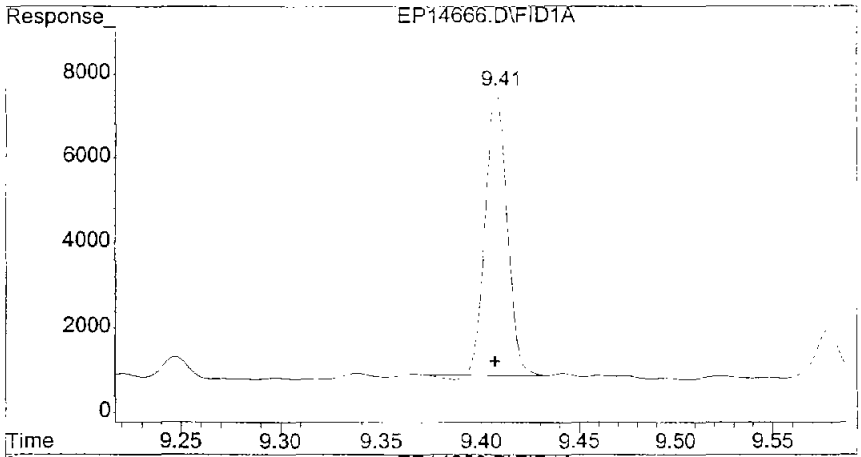
Vial: 4
Operator: jda
Inst : SEA016
Multiplr: 1.00

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

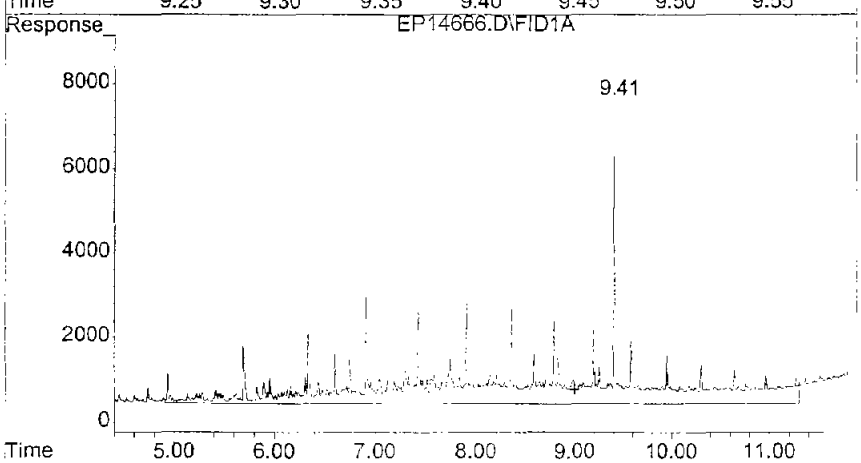


01449



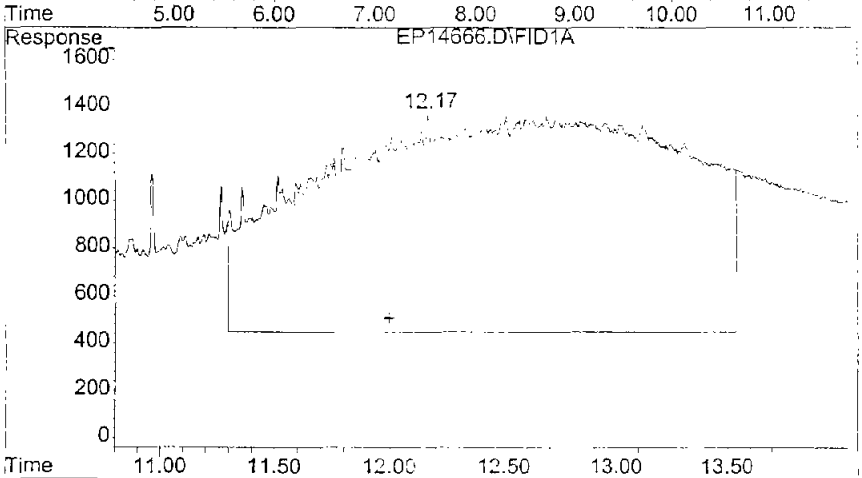
#1 o-terphenyl (S)

R.T.: 9.408 min
Delta R.T.: 0.000 min
Response: 51479
Conc: 1.77 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 1420273
Conc: 50.19 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 1014860
Conc: 45.47 ng/ul m

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14667.D Vial: 5
Acq On : 16 Nov 2004 14:40 Operator: jda
Sample : 1166-60-3 100dm ical Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:43 2004 Quant Results File: NWDF1103.RES

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.41	109825	3.780 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	2758816	100.257 ng/ul
3) H Motor Oil	12.00	1833345	104.807 ng/ul

(f)=RT Delta > 1/2 Window 46943 (m)=manual int.
EP14667.D NWDF1116.M Wed Nov 17 07:55:11 2004 Page 1

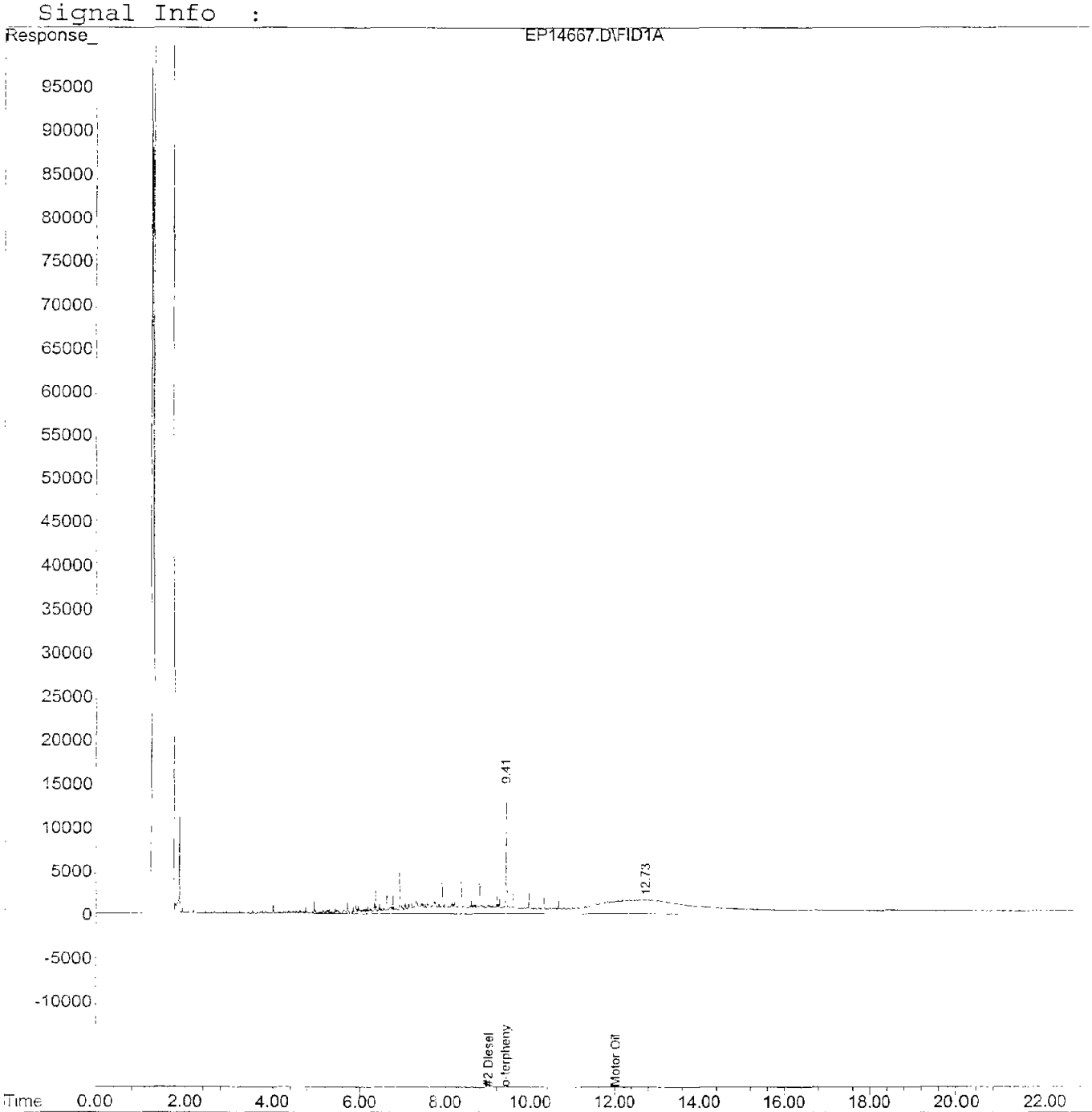
01451

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14667.D Vial: 5
Acq On : 16 Nov 2004 14:40 Operator: jda
Sample : 1166-60-3 100dm ical Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:43 2004 Quant Results File: NWDF1103.RES

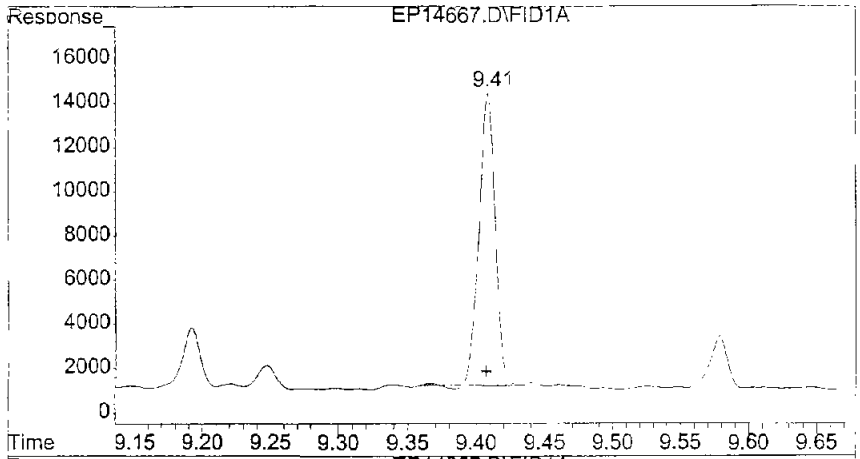
Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



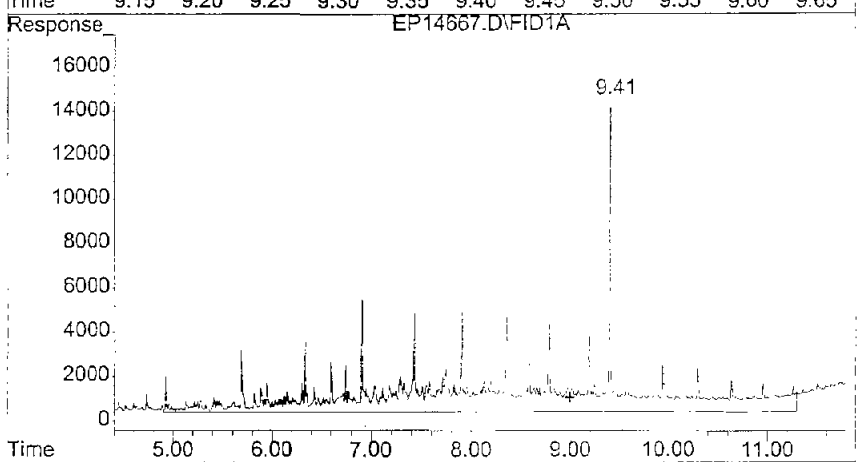
46945

01452



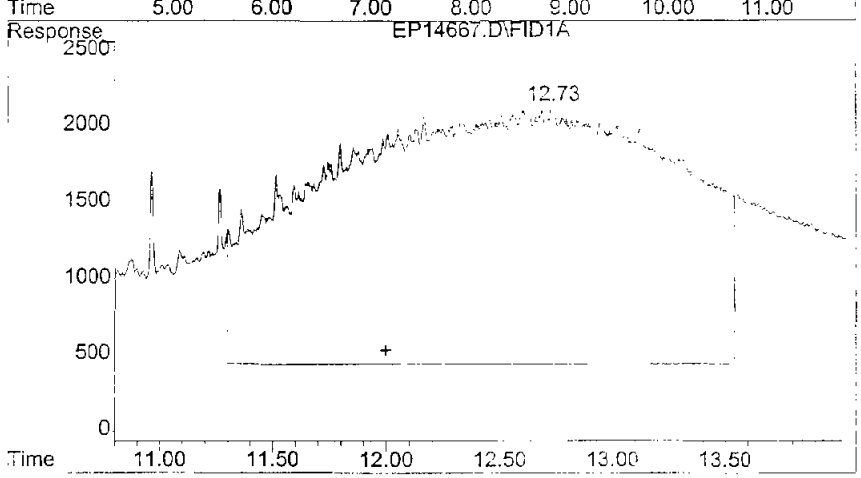
#1 o-terphenyl (S)

R.T.: 9.409 min
Delta R.T.: 0.002 min
Response: 109825
Conc: 3.78 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 2758816
Conc: 100.26 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 1833345
Conc: 104.81 ng/ul m

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14668.D Vial: 6
Acq On : 16 Nov 2004 15:11 Operator: jda
Sample : 1166-60-4 250dm ical Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:43 2004 Quant Results File: NWDF1103.RES

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
1)	S	o-terphenyl (S)	9.41	311947	10.737	ng/ul
Target Compounds						
2)	H	#2 Diesel	9.00	7383249	273.243	ng/ul
3)	H	Motor Oil	12.00	4184274	275.248	ng/ul

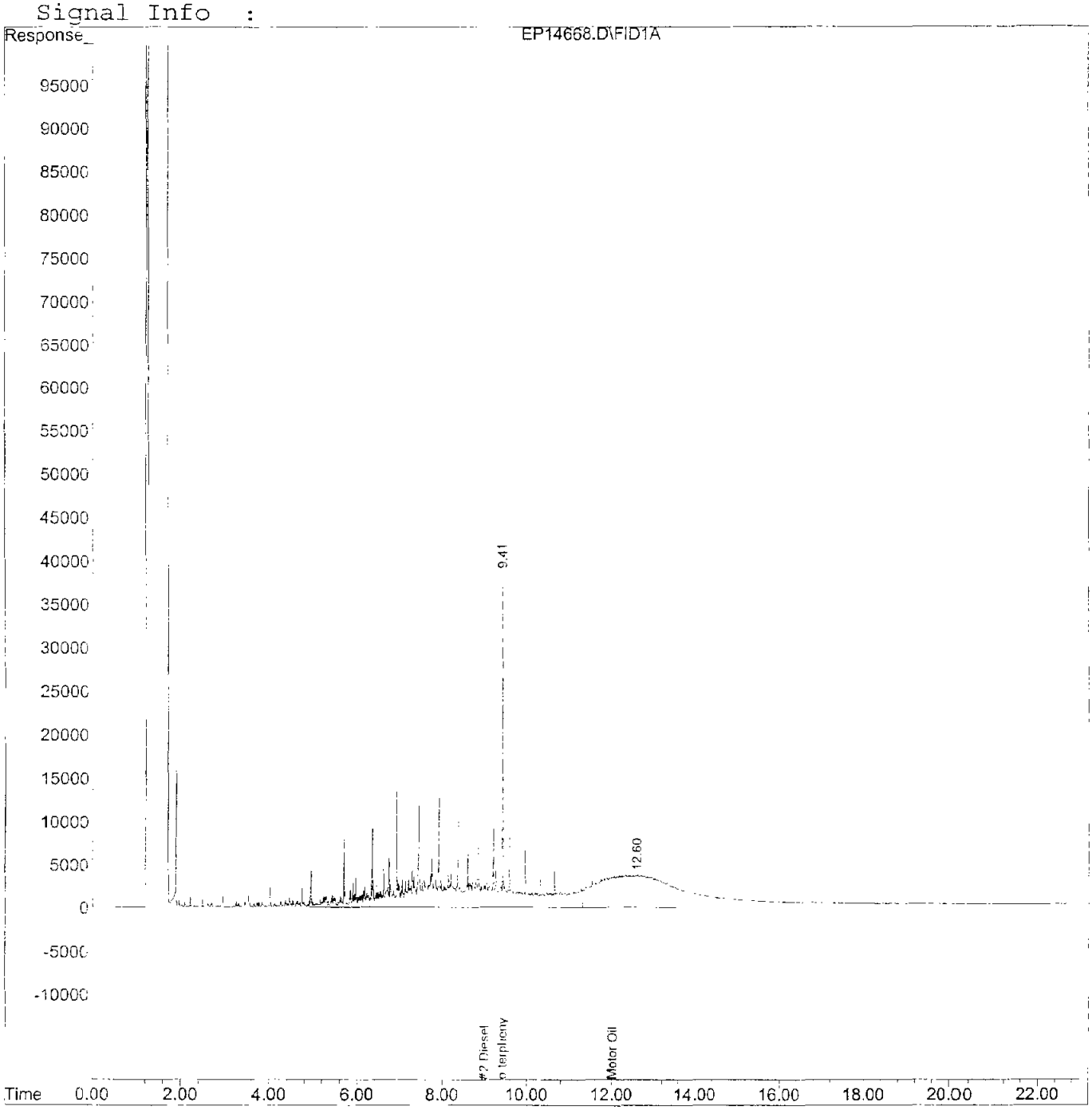
Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14668.D
Acq On : 16 Nov 2004 15:11
Sample : 1166-60-4 250dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:43 2004 Quant Results File: NWDF1103.RES

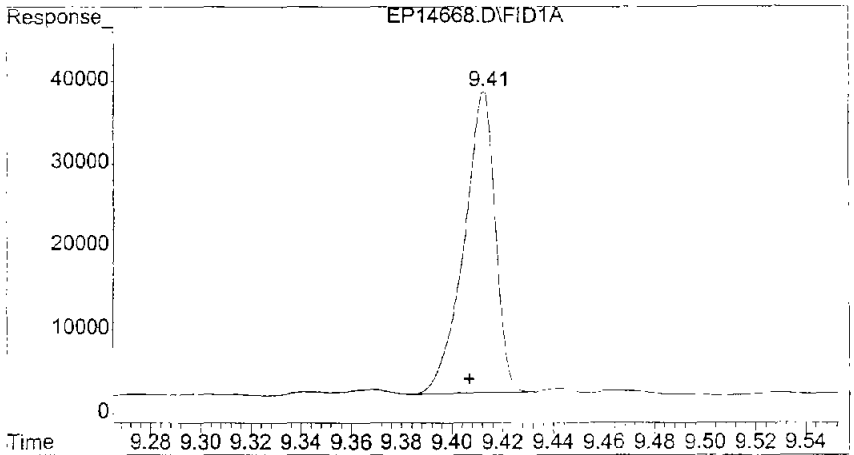
Vial: 6
Operator: jda
Inst : SEA016
Multiplr: 1.00

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

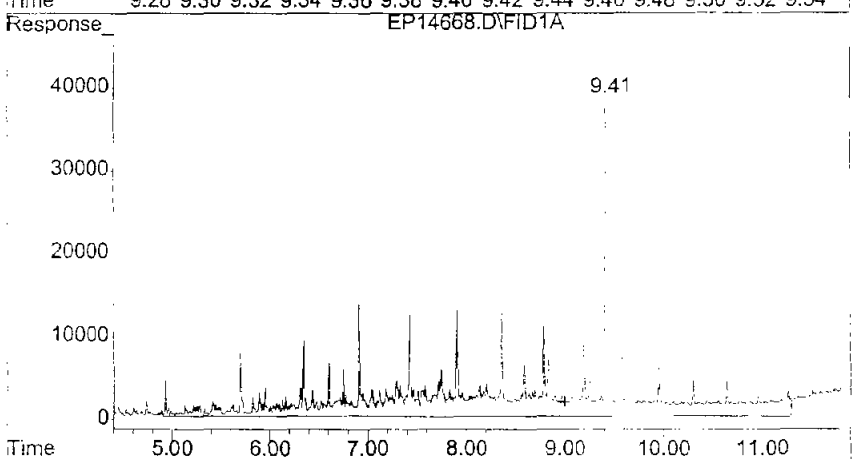


46951
01455



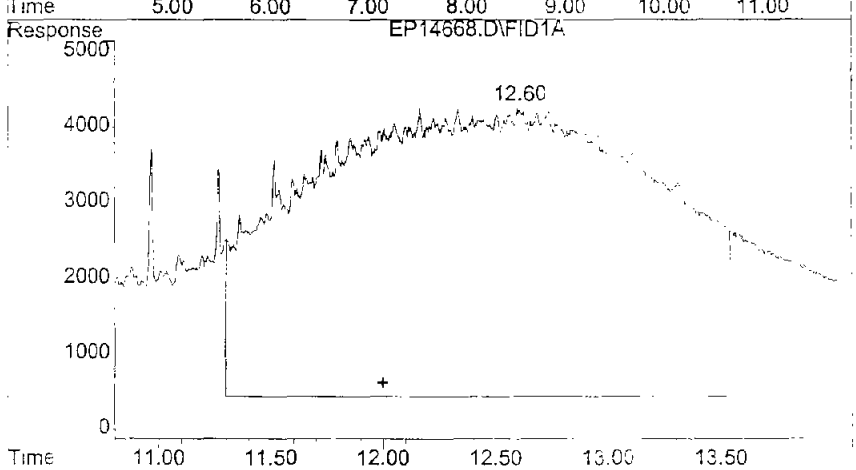
#1 o-terphenyl (S)

R.T.: 9.413 min
Delta R.T.: 0.006 min
Response: 311947
Conc: 10.74 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 7383249
Conc: 273.24 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 4184274
Conc: 275.25 ng/ul m

01456

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14669.D
Vial: 7
Acq On : 16 Nov 2004 15:42
Operator: jda
Sample : 1166-60-5 500dm ical
Inst : SEA016
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:43 2004 Quant Results File: NWDF1103.RES

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.42	588940	20.271 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	13470890	500.964 ng/ul
3) H Motor Oil	12.00	7254975	497.872 ng/ul

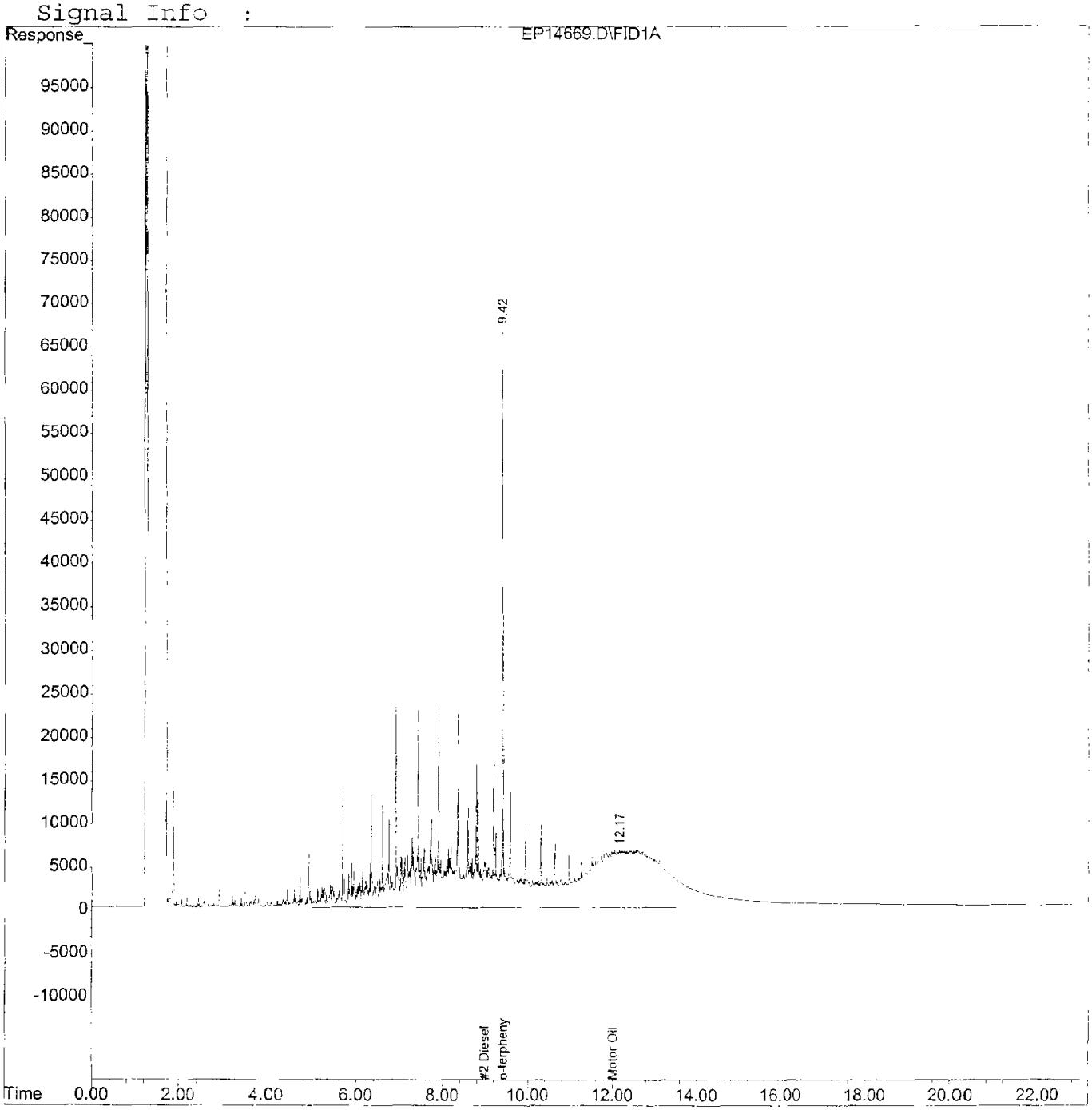
Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14669.D
Acq On : 16 Nov 2004 15:42
Sample : 1166-60-5 500dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:43 2004 Quant Results File: NWDF1103.RES

Vial: 7
Operator: jda
Inst : SEA016
Multiplr: 1.00

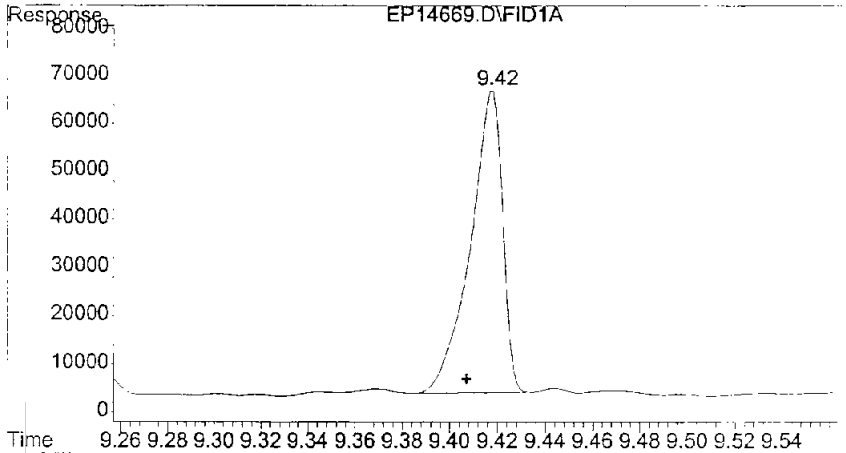
Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



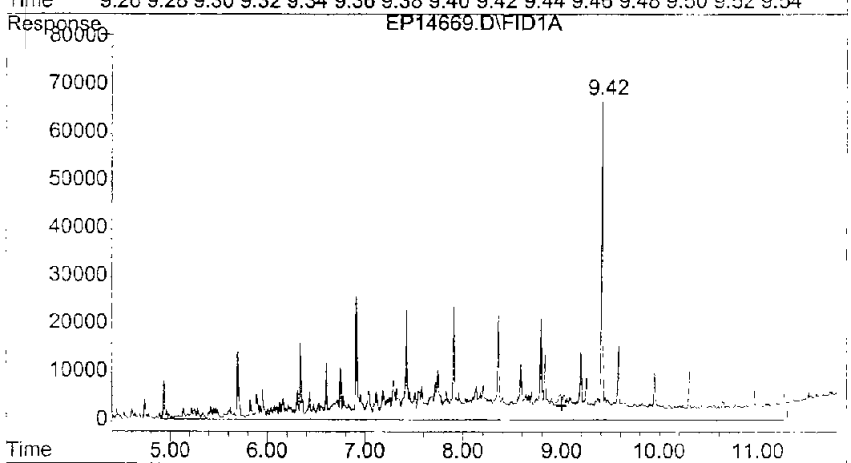
46957

01458



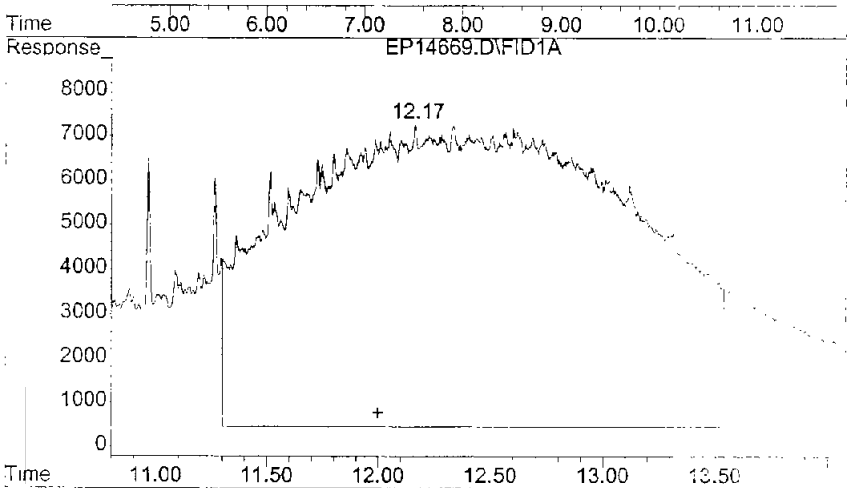
#1 o-terphenyl (S)

R.T.: 9.418 min
Delta R.T.: 0.010 min
Response: 588940
Conc: 20.27 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 13470890
Conc: 500.96 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 7254975
Conc: 497.87 ng/ul m

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14670.D
Vial: 8
Acq On : 16 Nov 2004 16:13
Operator: jda
Sample : 1166-60-6 1000dm ical
Inst : SEA016
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:43 2004 Quant Results File: NWDF1103.RES

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.43f	1193722	41.088 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	26414834	985.158 ng/ul
3) H Motor Oil	12.00	13189851	928.146 ng/ul

(f)=RT Delta > 1/2 Window
46961
(m)=manual int.
EP14670.D NWDF1116.M Wed Nov 17 07:55:29 2004
Page 1

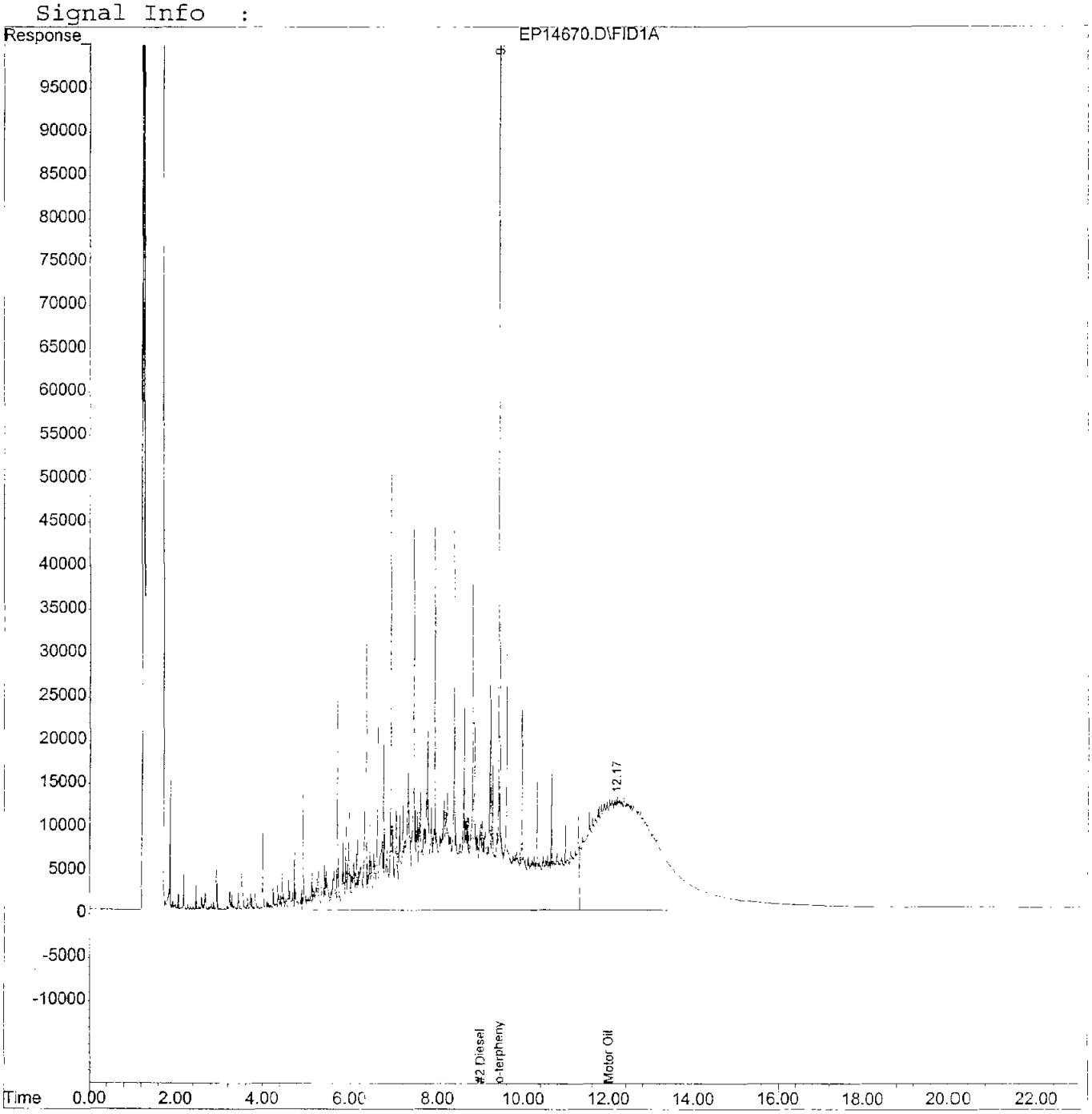
01460

Data File : G:\DATA\111604_A\EP14670.D
Acq On : 16 Nov 2004 16:13
Sample : 1166-60-6 1000dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:43 2004 Quant Results File: NWDF1103.RES

Vial: 8
Operator: jda
Inst : SEA016
Multiplr: 1.00

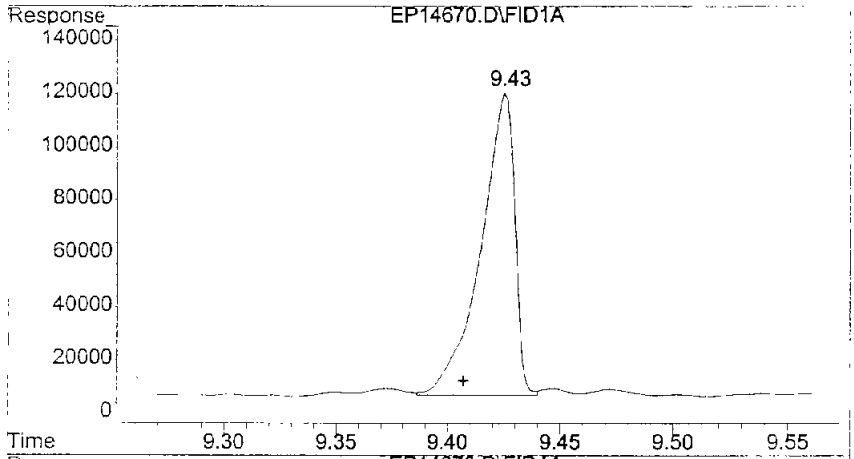
Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



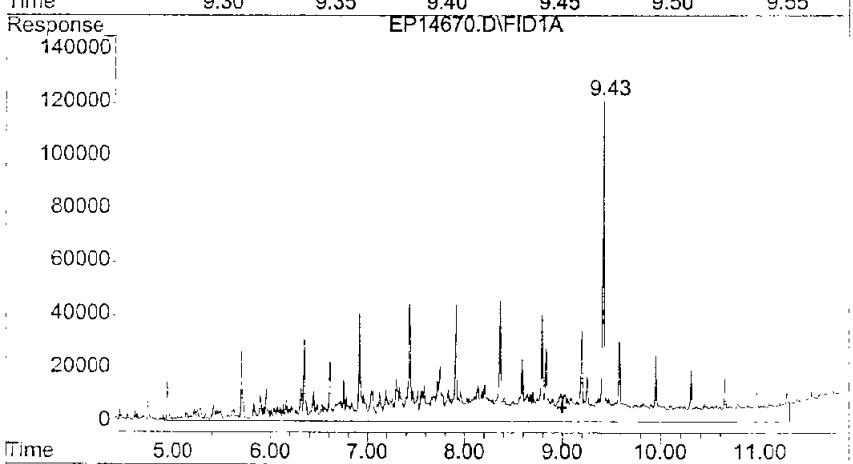
46963

01461



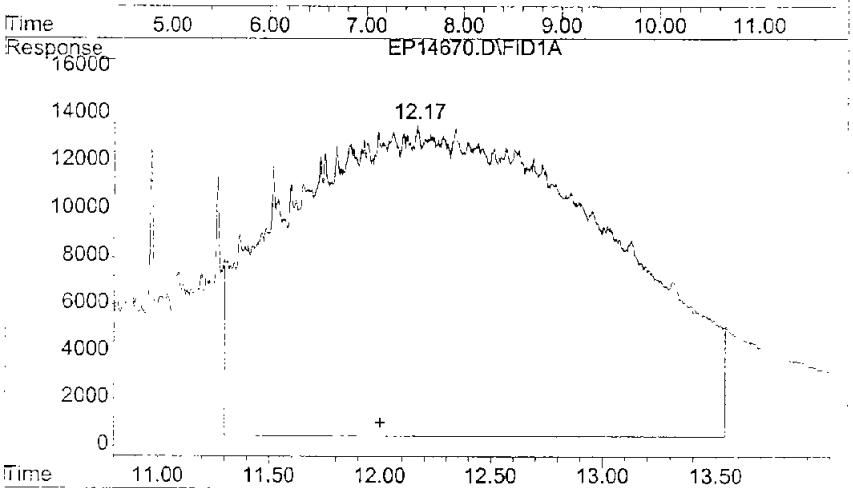
#1 o-terphenyl (S)

R.T.: 9.426 min
Delta R.T.: 0.019 min
Response: 1193722
Conc: 41.09 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 26414834
Conc: 985.16 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 13189851
Conc: 928.15 ng/ul m

01462

Quantitation Report (QT Reviewed)

Data File : G:\DATA\111604_A\EP14671.D
Vial: 9
Acq On : 16 Nov 2004 16:44
Operator: jda
Sample : 1166-60-7 2500dm ical
Inst : SEA016
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:44 2004 Quant Results File: NWDF1103.RES

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
1)	S	o-terphenyl (S)	9.44f	3072973	105.771	ng/ulm
Target Compounds						
2)	H	#2 Diesel	9.00	70299740	2626.761	ng/ul
3)	H	Motor Oil	12.00	35563482	2550.219	ng/ul

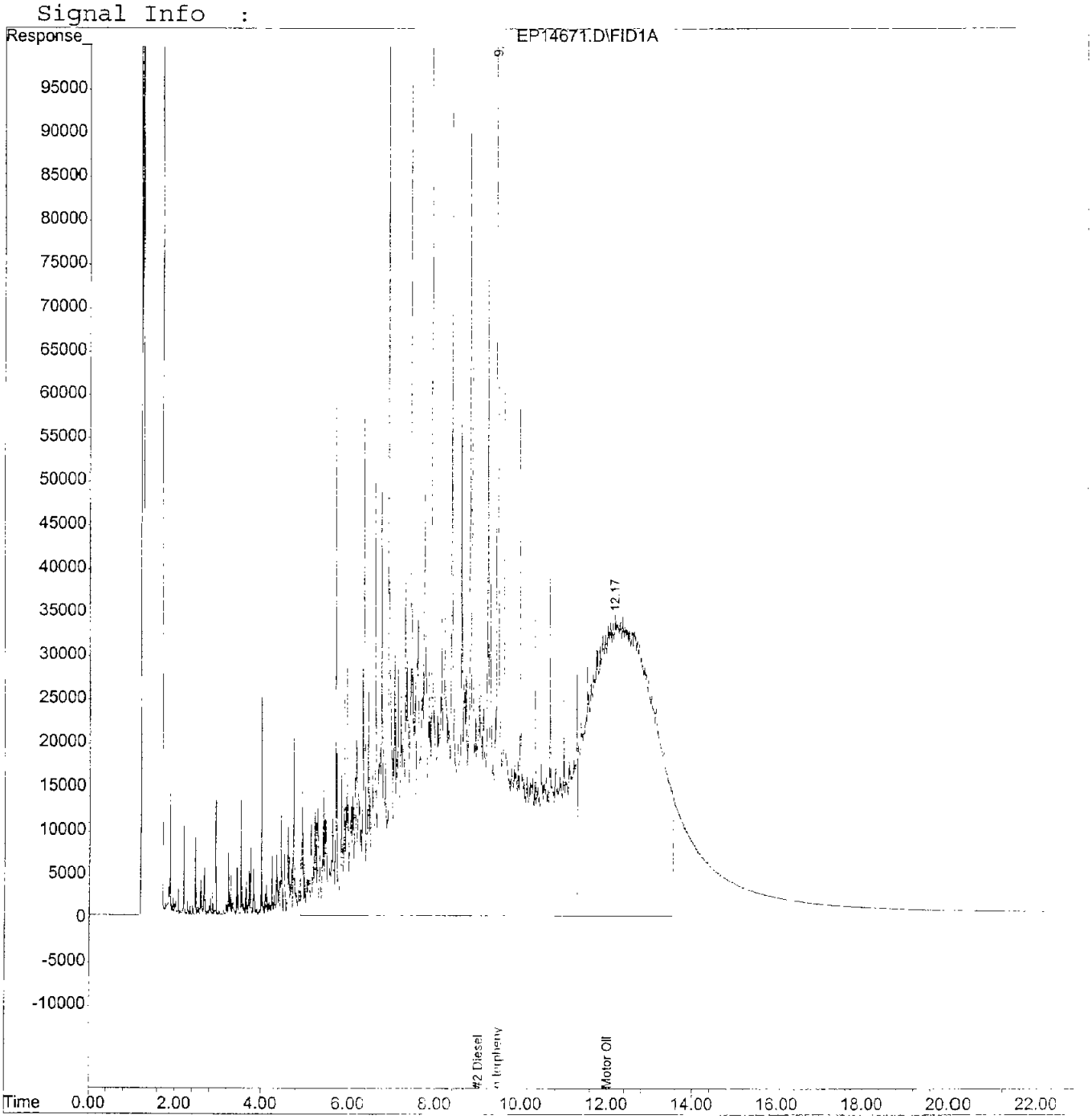
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data File : G:\DATA\111604_A\EP14671.D Vial: 9
Acq On : 16 Nov 2004 16:44 Operator: jda
Sample : 1166-60-7 2500dm ical Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:44 2004 Quant Results File: NWDF1103.RES

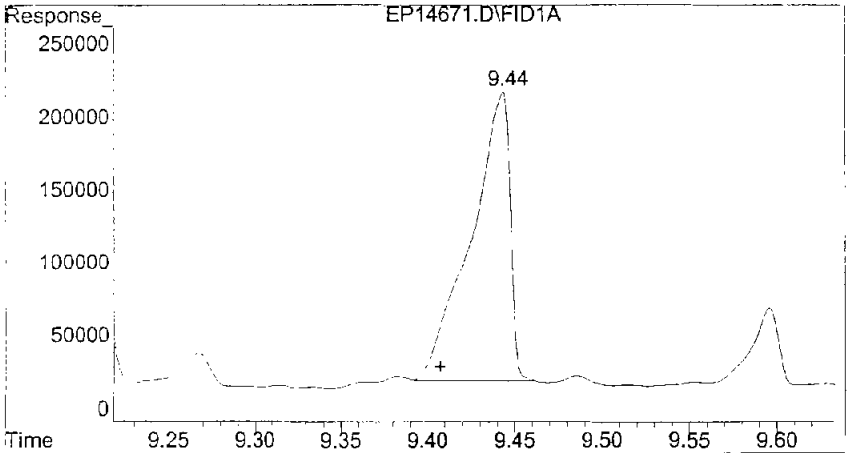
Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



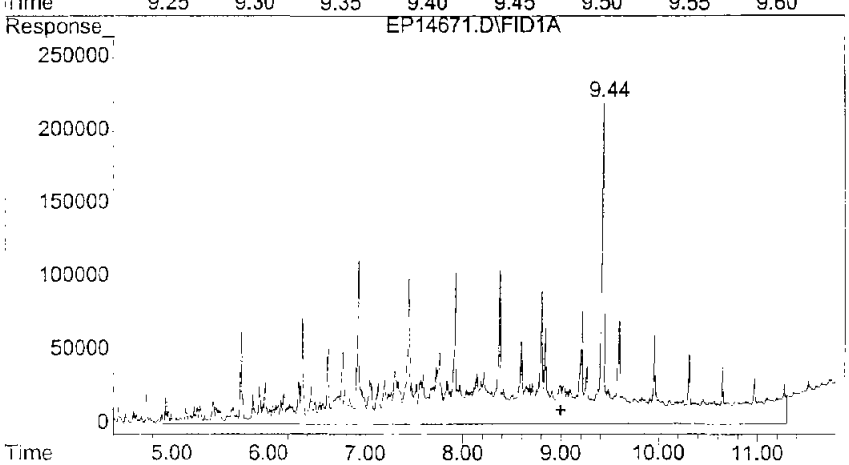
46969

01464



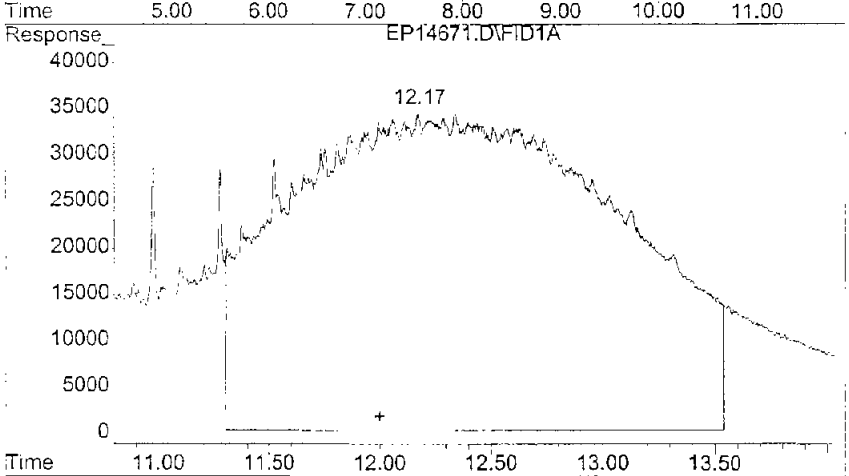
#1 o-terphenyl (S)

R.T.: 9.443 min
Delta R.T.: 0.036 min
Response: 3072973
Conc: 105.77 ng/ul m



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 70299740
Conc: 2626.76 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 35563482
Conc: 2550.22 ng/ul m

01465

Quantitation Report (QT Reviewed)

Data File : G:\DATA\111604_A\EP14672.D
Vial: 10
Acq On : 16 Nov 2004 17:15
Operator: jda
Sample : 1166-60-8 5000dm ical
Inst : SEA016
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:45 2004 Quant Results File: NWDF1103.RES

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

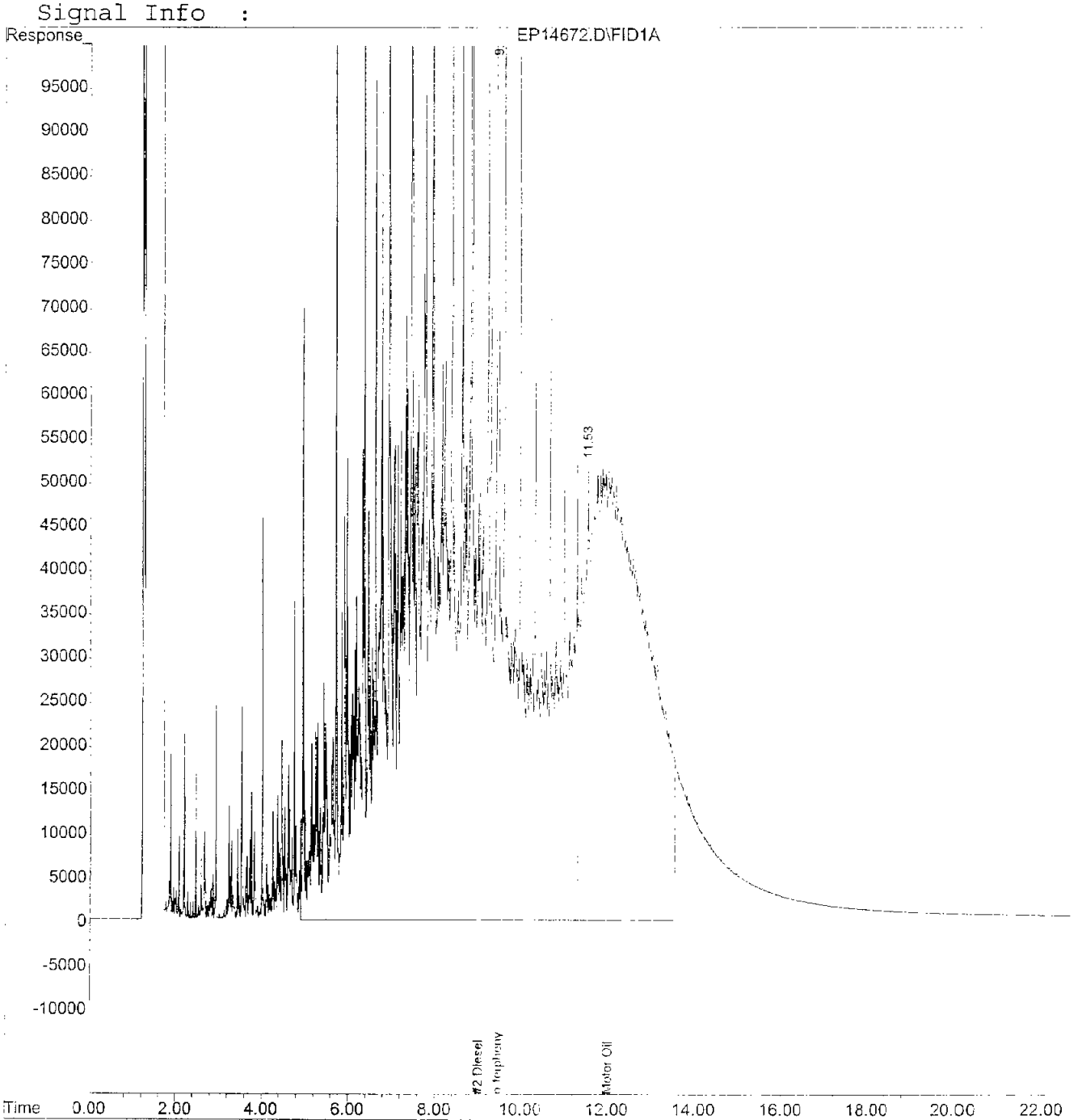
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S o-terphenyl (S)	9.46f	5613244	193.207	ng/ulm
Target Compounds				
2) H #2 Diesel	9.00	130446617	4876.676	ng/ul
3) H Motor Oil	12.00	50325594	3620.461	ng/ul

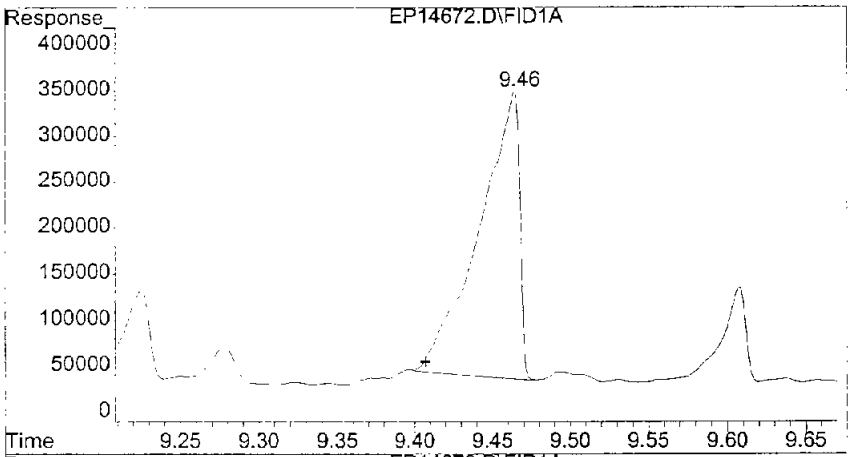
Quantitation Report (QT Reviewed)

Data File : G:\DATA\111604_A\EP14672.D Vial: 10
Acq On : 16 Nov 2004 17:15 Operator: jda
Sample : 1166-60-8 5000dm ical Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:45 2004 Quant Results File: NWDF1103.RES

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

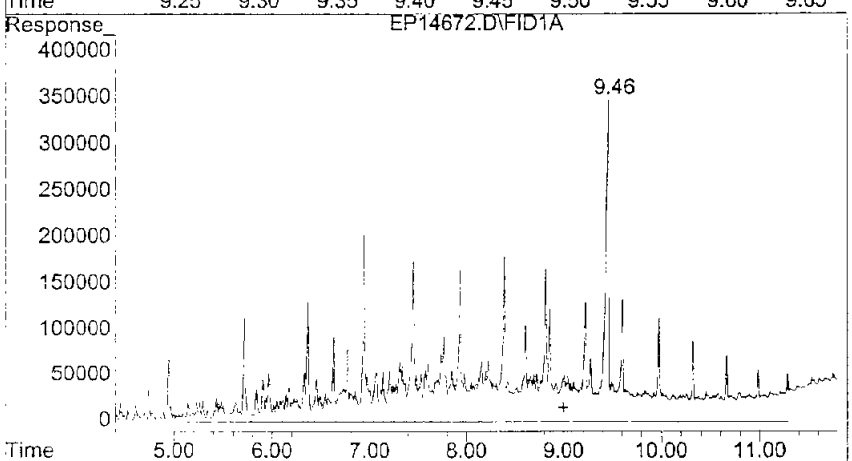
Volume Inj. :
Signal Phase :
Signal Info :





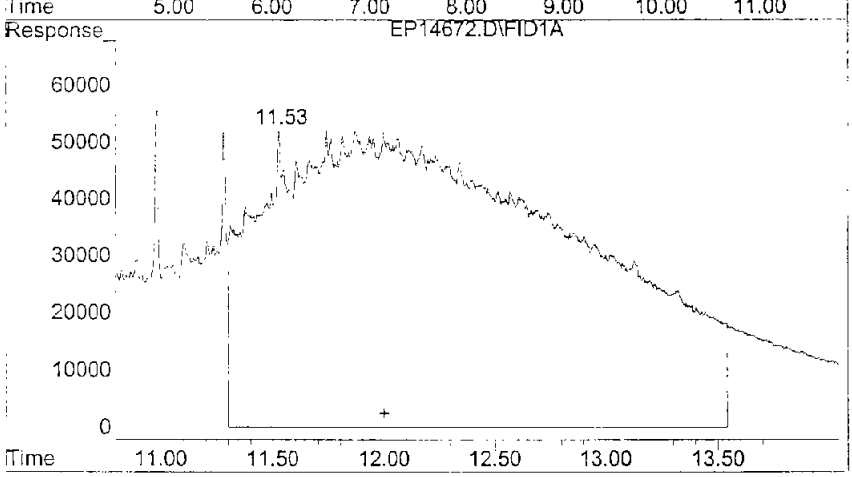
#1 o-terphenyl (S)

R.T.: 9.464 min
Delta R.T.: 0.057 min
Response: 5613244
Conc: 193.21 ng/ul m



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 130446617
Conc: 4876.68 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 50325594
Conc: 3620.46 ng/ul m

01468

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14673.D Vial: 11
Acq On : 16 Nov 2004 17:46 Operator: jda
Sample : 1166-59-2 1000dm icv Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:41 2004 Quant Results File: NWDF1103.RES

Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.42f	1145416	39.425 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	26555130	990.406 ng/ul
3) H Motor Oil	12.00	13513647	951.621 ng/ul

(f)=RT Delta > 1/2 Window (m)=manual int.

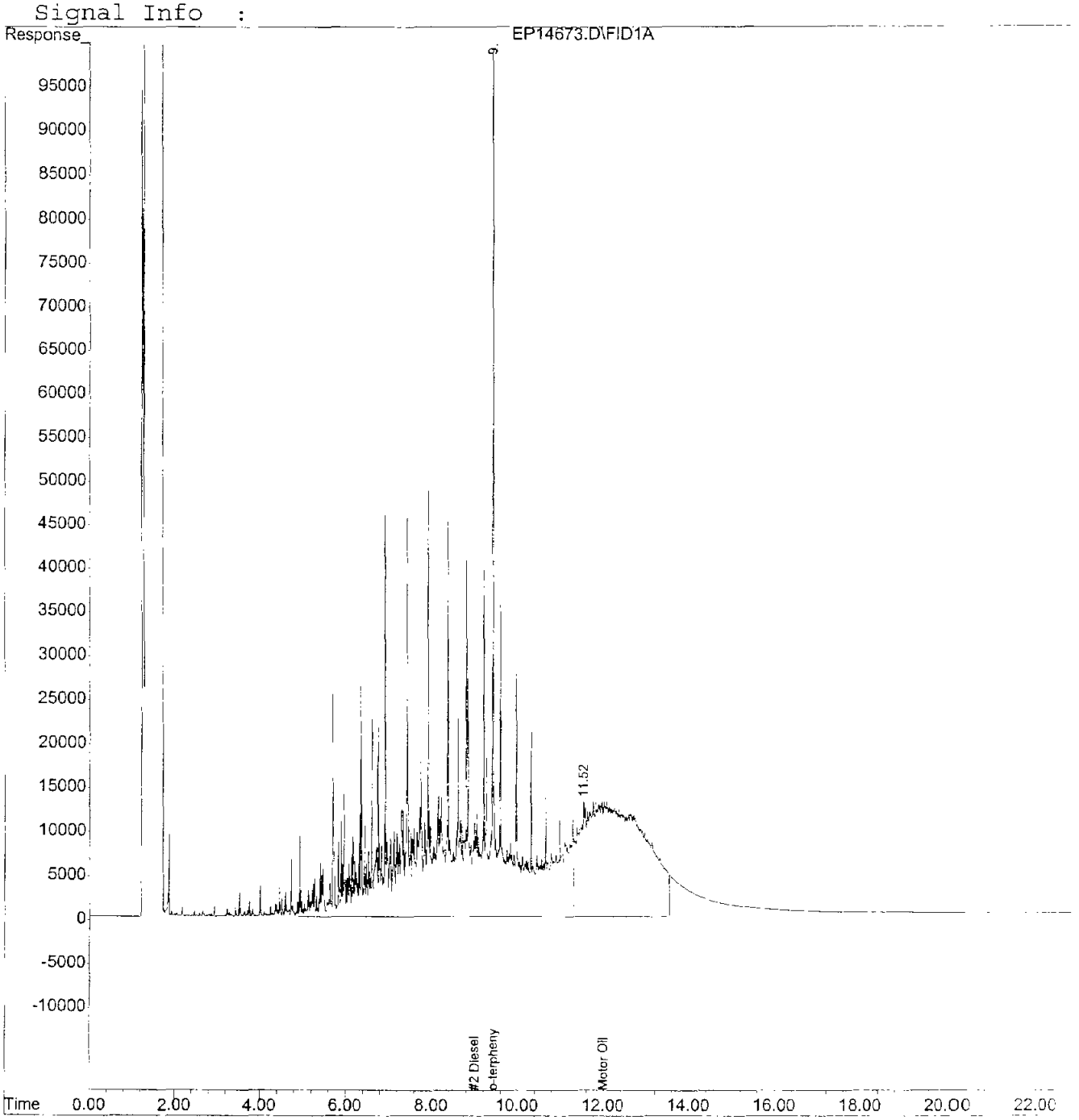
Quantitation Report (Not Reviewed)

Data File : G:\DATA\111604_A\EP14673.D
Acq On : 16 Nov 2004 17:46
Sample : 1166-59-2 1000dm icv
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:41 2004 Quant Results File: NWDF1103.RES

Vial: 11
Operator: jda
Inst : SEA016
Multiplr: 1.00

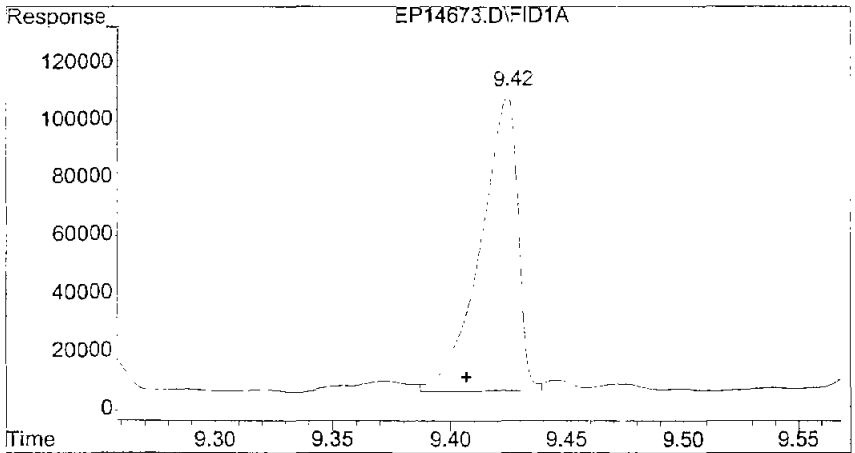
Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



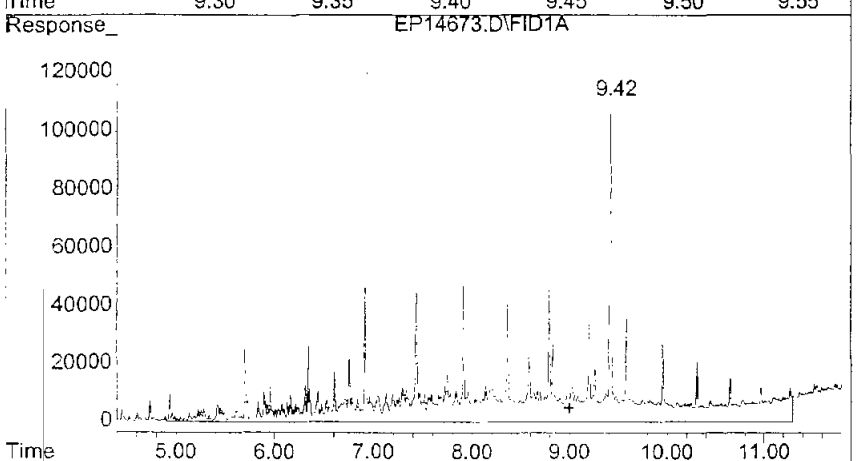
4698.1

01470



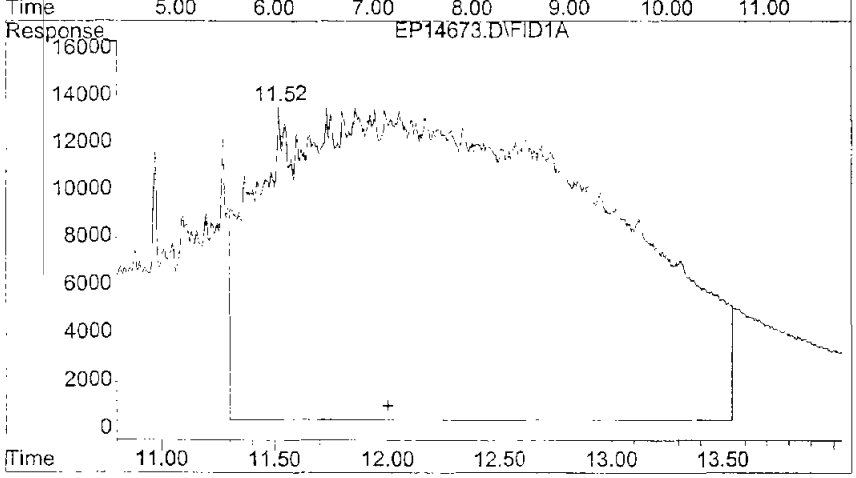
#1 o-terphenyl (S)

R.T.: 9.425 min
Delta R.T.: 0.018 min
Response: 1145416
Conc: 39.42 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 26555130
Conc: 990.41 ng/ul m



#3 Motor Oil

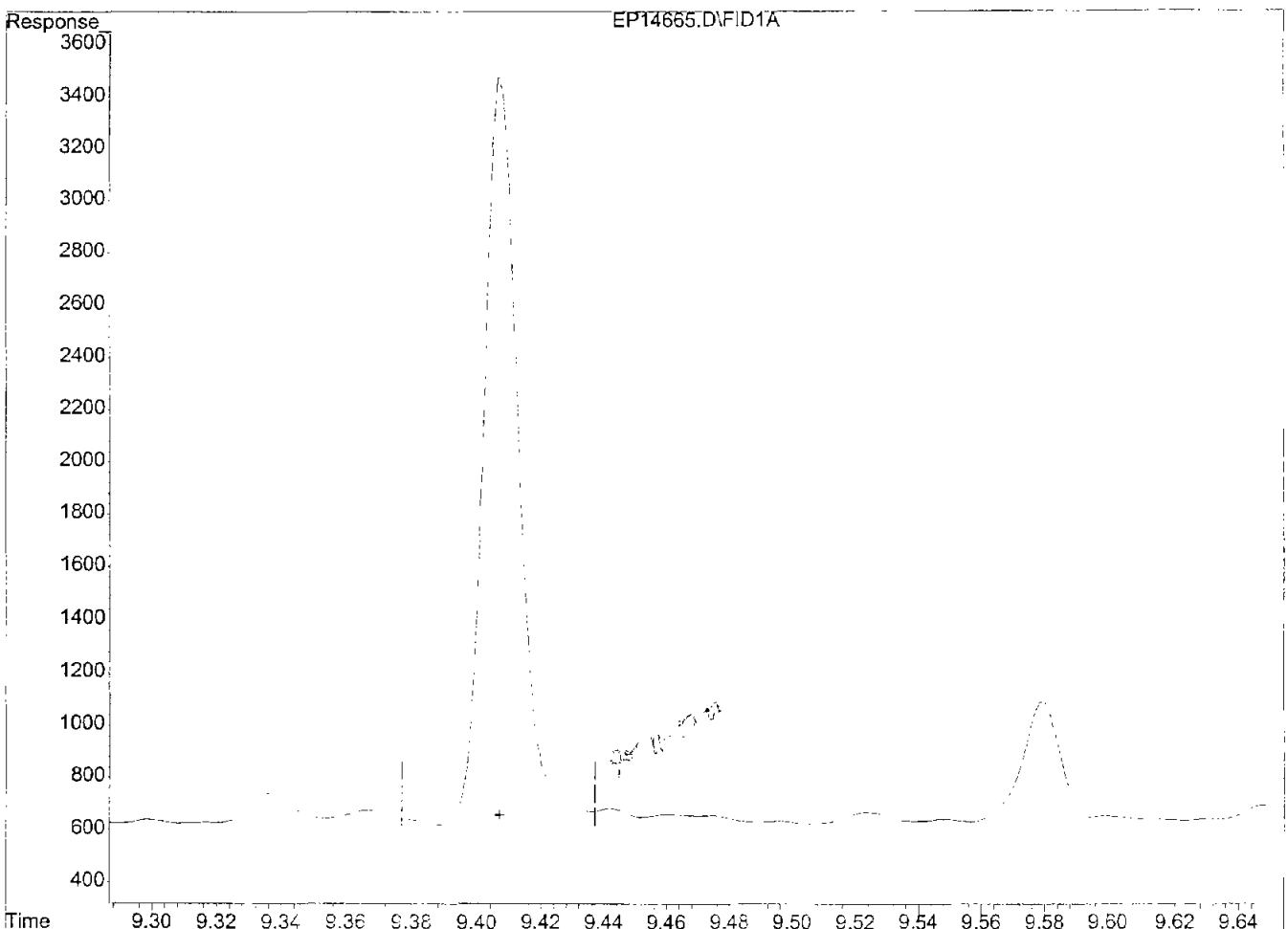
R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 13513647
Conc: 951.62 ng/ul m

Quantitation Report (Qedit)

Data File : G:\DATA\111604_A\EP14665.D
Acq On : 16 Nov 2004 13:47
Sample : 1166-60-1 25d ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:34 2004 Quant Results File: NWDF1103.RES

Vial: 3
Operator: jda
Inst : SEA016
Multiplr: 1.00

Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:34:02 2004
Response via : Multiple Level Calibration



(1) o-terphenyl (S) (S)

9.41min 0.000ng/ul

response 0

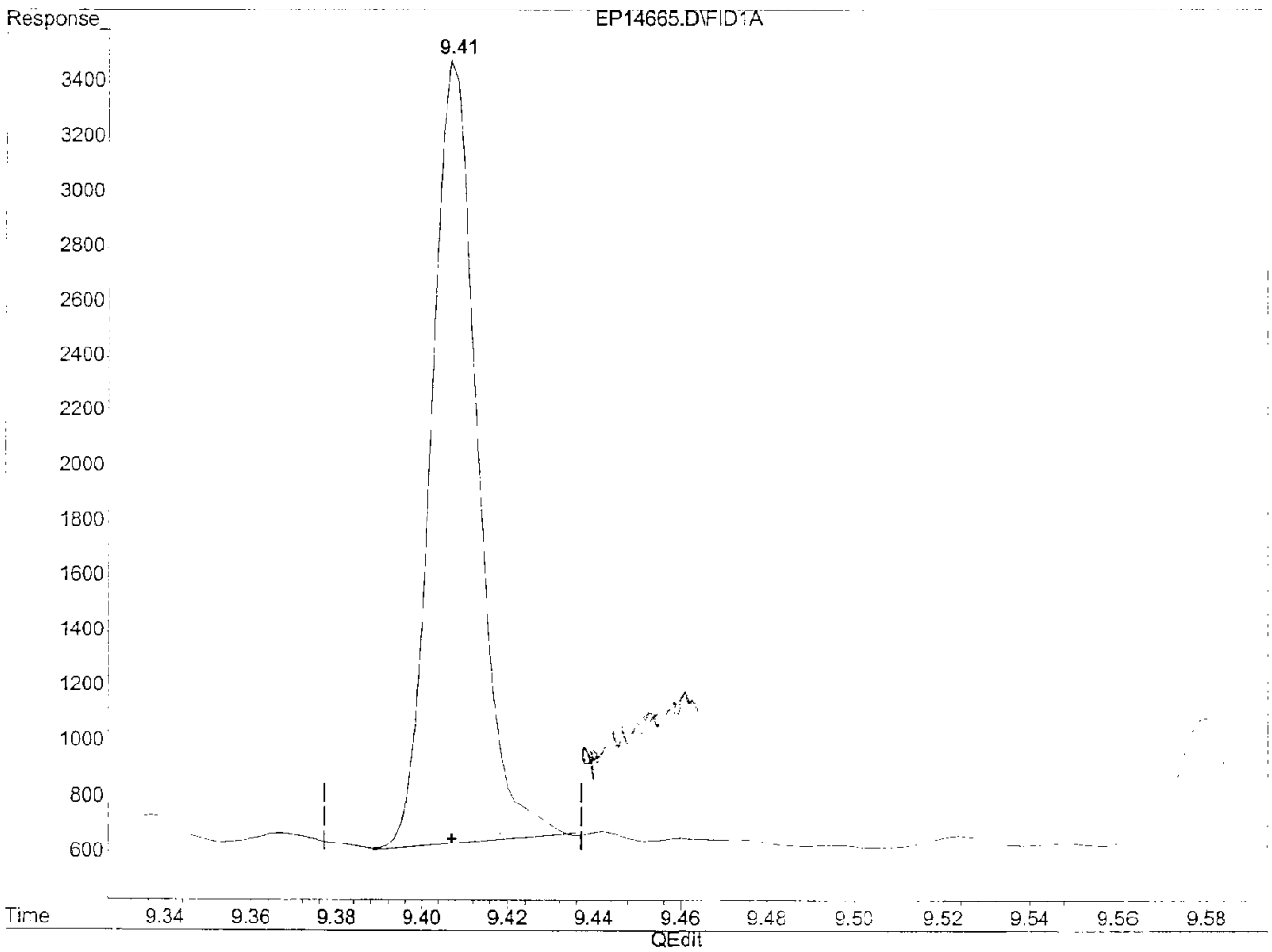
(+) = Expected Retention Time

EP14665.D NWDF1103.M Wed Nov 17 07:34:34 2004

01472

Data File : G:\DATA\111604_A\EP14665.D Vial: 3
Acq On : 16 Nov 2004 13:47 Operator: jda
Sample : 1166-60-1 25d ical Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:41 2004 Quant Results File: NWDF1103.RES

Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration



(1) o-terphenyl (S) (S)

9.41min 0.728ng/ul m

response 21155

(-) = Expected Retention Time

EP14665.D NWDF1103.M Wed Nov 17 07:42:36 2004

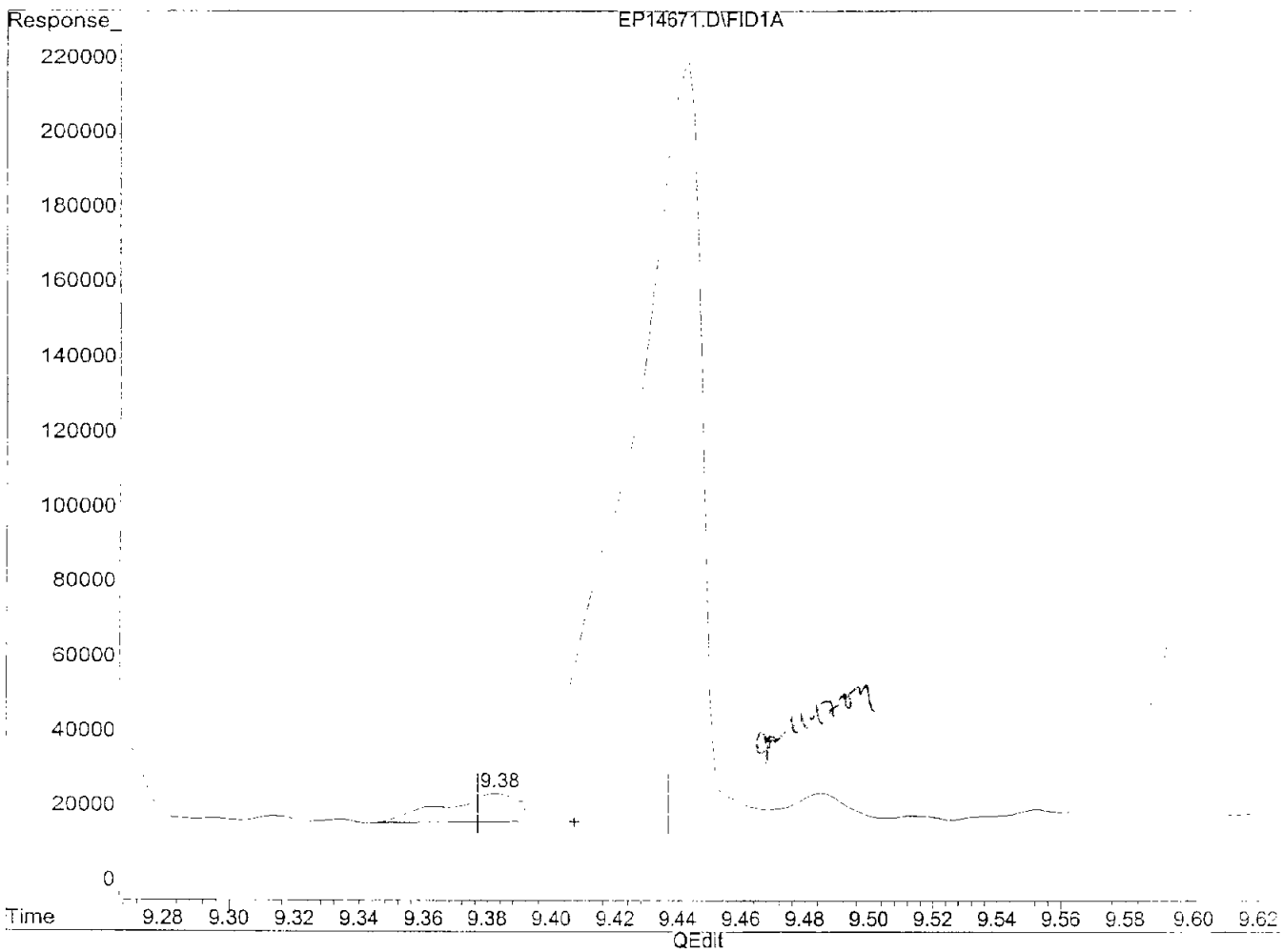
01473

Quantitation Report (Qedit)

Data File : G:\DATA\111604_A\EP14671.D
Acq On : 16 Nov 2004 16:44
Sample : 1166-60-7 2500dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:35 2004 Quant Results File: NWDF1103.RES

Vial: 9
Operator: jda
Inst : SEA016
Multiplr: 1.00

Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:34:02 2004
Response via : Multiple Level Calibration



(1) o-terphenyl (S) (S)

9.38min 5.881ng/ul

response 119460

(+) = Expected Retention Time

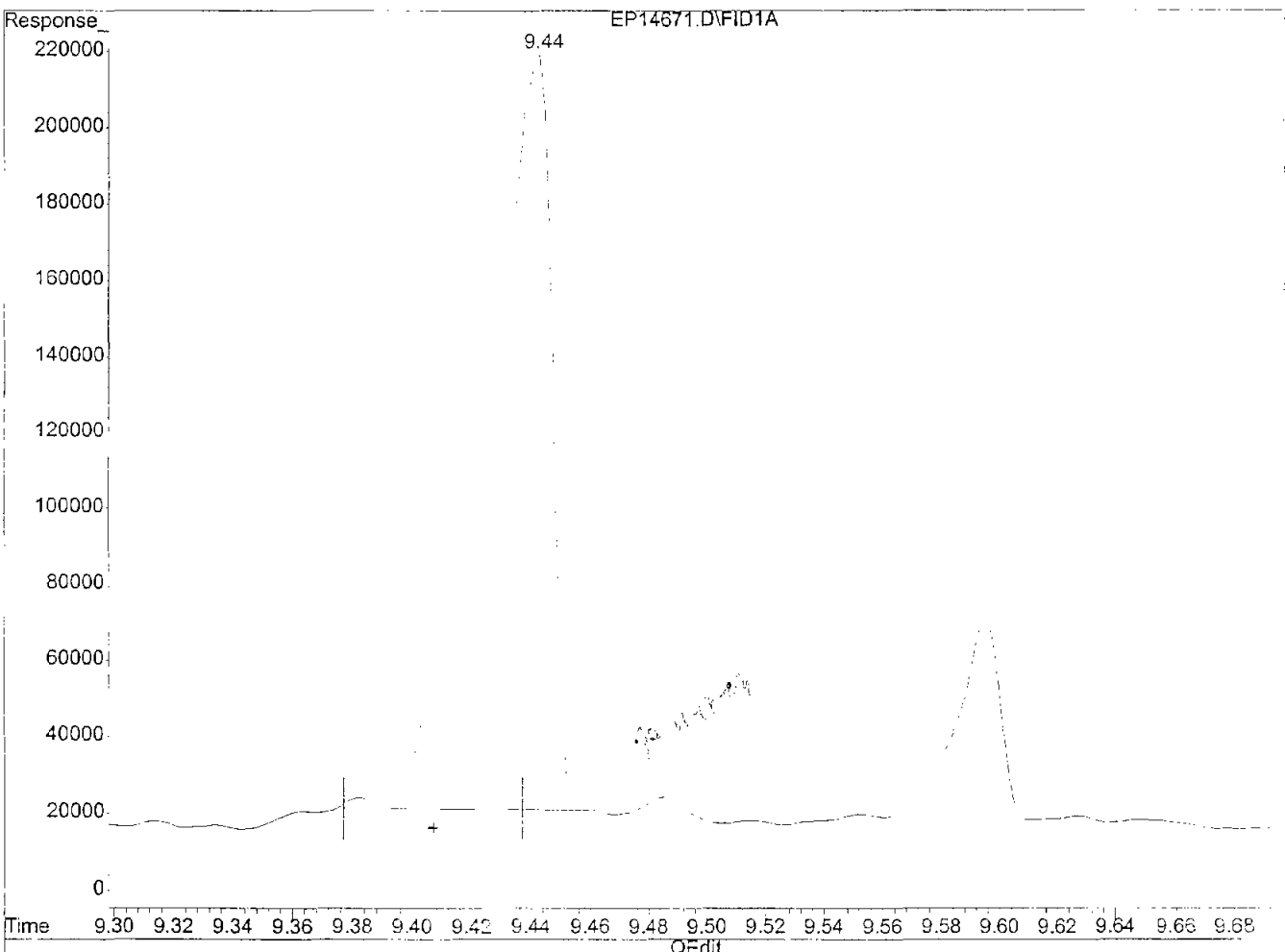
01474

Quantitation Report (Qedit)

Data File : G:\DATA\111604_A\EP14671.D
Acq On : 16 Nov 2004 16:44
Sample : 1166-60-7 2500dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:44 2004 Quant Results File: NWDF1103.RES

Vial: 9
Operator: jda
Inst : SEA016
Multiplr: 1.00

Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration



(1) o-terphenyl (S) (S)

9.44min 105.771ng/ul m

response 3072973

(+) = Expected Retention Time

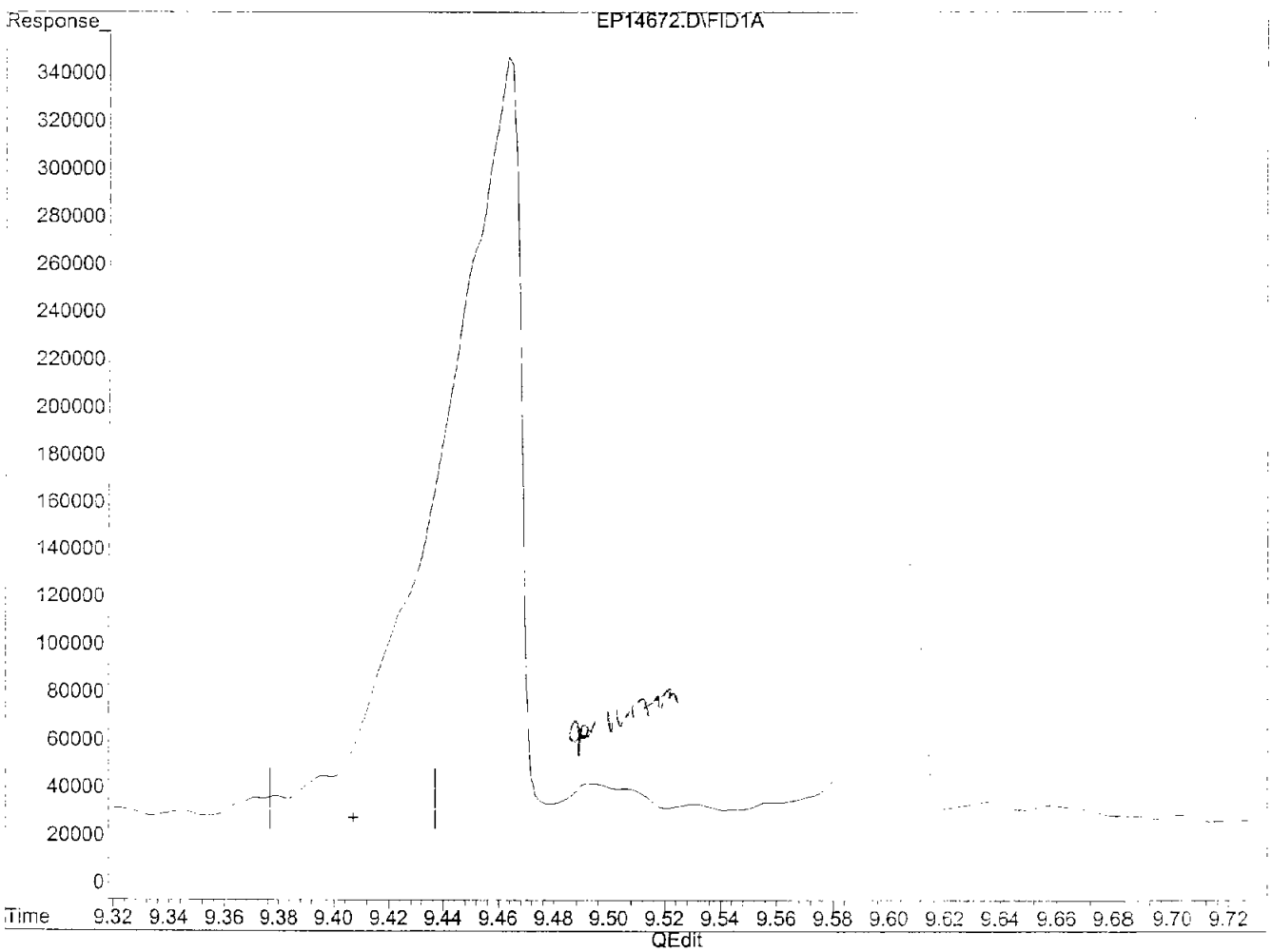
EP14671.D NWDF1103.M Wed Nov 17 07:44:50 2004

Quantitation Report (Qedit)

Data File : G:\DATA\111604_A\EP14672.D
Acq On : 16 Nov 2004 17:15
Sample : 1166-60-8 5000dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:36 2004 Quant Results File: NWDF1103.RES

Vial: 10
Operator: jda
Inst : SEA016
Multiplr: 1.00

Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:34:02 2004
Response via : Multiple Level Calibration



(1) o-terphenyl (S) (S)

9.41min 0.000ng/ul

response 0

(+) = Expected Retention Time

EP14672.D NWDF1103.M Wed Nov 17 07:36:59 2004

01476

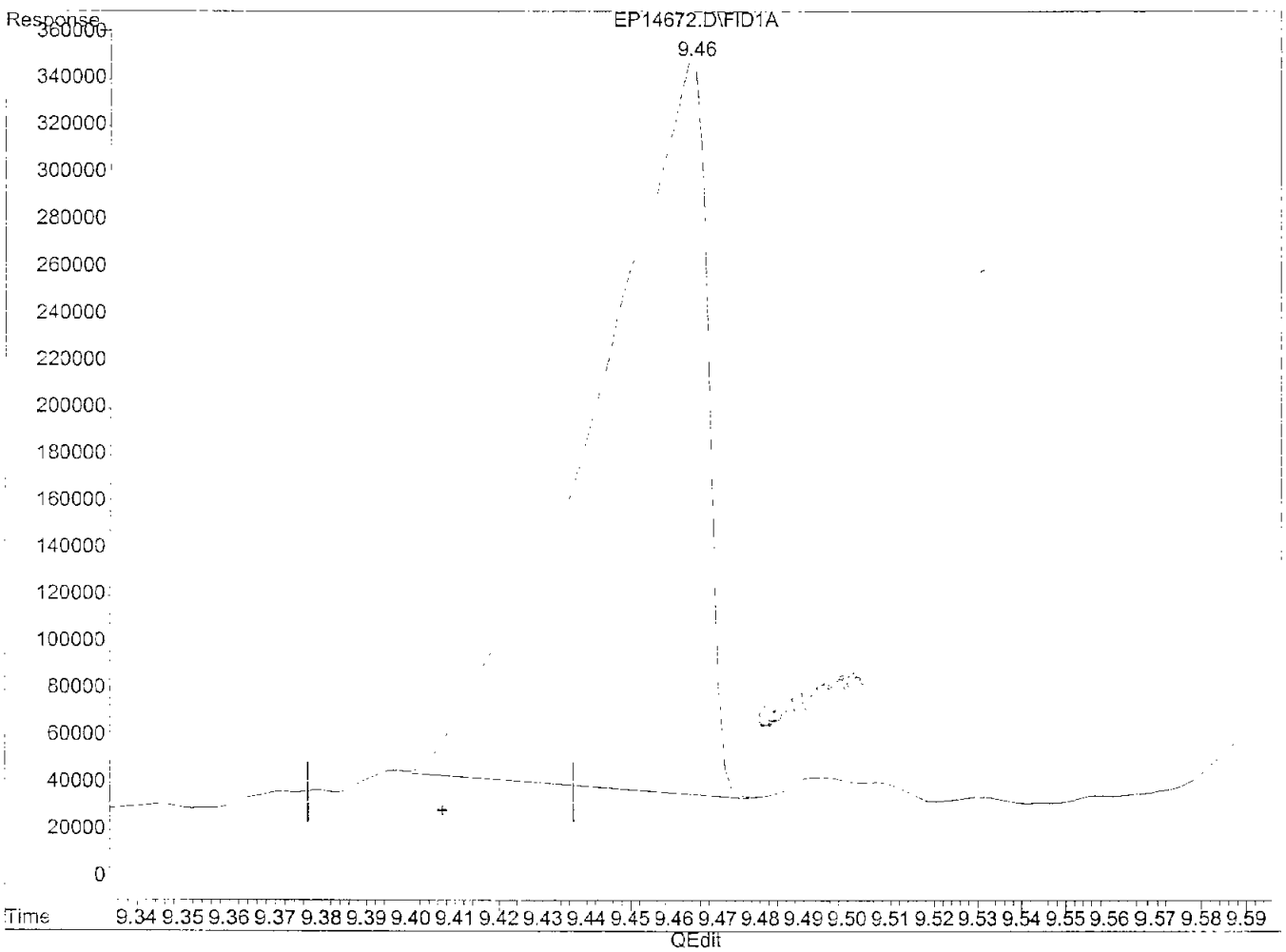
.

Quantitation Report (Qedit)

Data File : G:\DATA\111604_A\EP14672.D
Acq On : 16 Nov 2004 17:15
Sample : 1166-60-8 5000dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 17 7:45 2004 Quant Results File: NWDF1103.RES

Vial: 10
Operator: jda
Inst : SEA016
Multiplr: 1.00

Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration



(1) o-terphenyl (S) (S)

9.46min 193.207ng/ul m

response 5613244

(+) = Expected Retention Time

EP14672.D NWDF1103.M Wed Nov 17 07:45:46 2004

01477

Calibration Status Report SEA013

Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	25	-1.00	0.00	E:\DATA\112404_A\FA20674.D
2	50	50.00	0.00	E:\DATA\112404_A\FA20675.D
3	100	100.00	0.00	E:\DATA\112404_A\FA20676.D
4	250	250.10	0.00	E:\DATA\112404_A\FA20677.D
5	500	500.20	0.00	E:\DATA\112404_A\FA20678.D
6	1000	1000.00	0.00	E:\DATA\112404_A\FA20679.D
7	2500	2501.00	0.00	E:\DATA\112404_A\FA20680.D
8	5000	5002.00	0.00	E:\DATA\112404_A\FA20681.D

#	ID	Update Time	Quant Time	Acquisition Time
1	25	Nov 24 11:11 2004	Nov 24 11:11 2004	
2	50	Nov 24 11:11 2004	Nov 24 11:11 2004	24 Nov 2004 10:16 am
3	100	Nov 24 11:11 2004	Nov 24 11:11 2004	24 Nov 2004 10:33 am
4	250	Nov 24 11:11 2004	Nov 24 11:11 2004	24 Nov 2004 10:51 am
5	500	Nov 24 11:30 2004	Nov 24 11:30 2004	24 Nov 2004 11:09 am
6	1000	Nov 24 11:45 2004	Nov 24 11:44 2004	24 Nov 2004 11:26 am
7	2500	Nov 24 12:12 2004	Nov 24 12:11 2004	24 Nov 2004 11:49 am
8	5000	Nov 24 12:30 2004	Nov 24 12:30 2004	24 Nov 2004 12:12 pm

NWDF112404.M Wed Nov 24 12:53:28 2004 FUELS

Sequence Log

Directory : e:\Data\112404_a

#	Filename	Sample Name	Date/Time
1	fa20672.d	rinse	11/24/04 09:24
2	fa20673.d	1166-61-8 n-alkane rt std	11/24/04 09:41
3	fa20674.d	1166-64-1 25dm ical	11/24/04 09:59
4	fa20675.d	1166-64-2 50dm ical	11/24/04 10:16
5	fa20676.d	1166-64-3 100dm ical	11/24/04 10:33
6	fa20677.d	1166-64-4 250dm ical	11/24/04 10:51
7	fa20678.d	1166-64-5 500dm ical	11/24/04 11:09
8	fa20679.d	1166-64-6 1000dm ical	11/24/04 11:26
9	fa20680.d	1166-64-7 2500dm ical	11/24/04 11:49
10	fa20681.d	1166-64-8 5000dm ical	11/24/04 12:12
11	fa20682.d	1166-64-9 1000dm icv	11/24/04 12:34

Response Factor Report SEA013

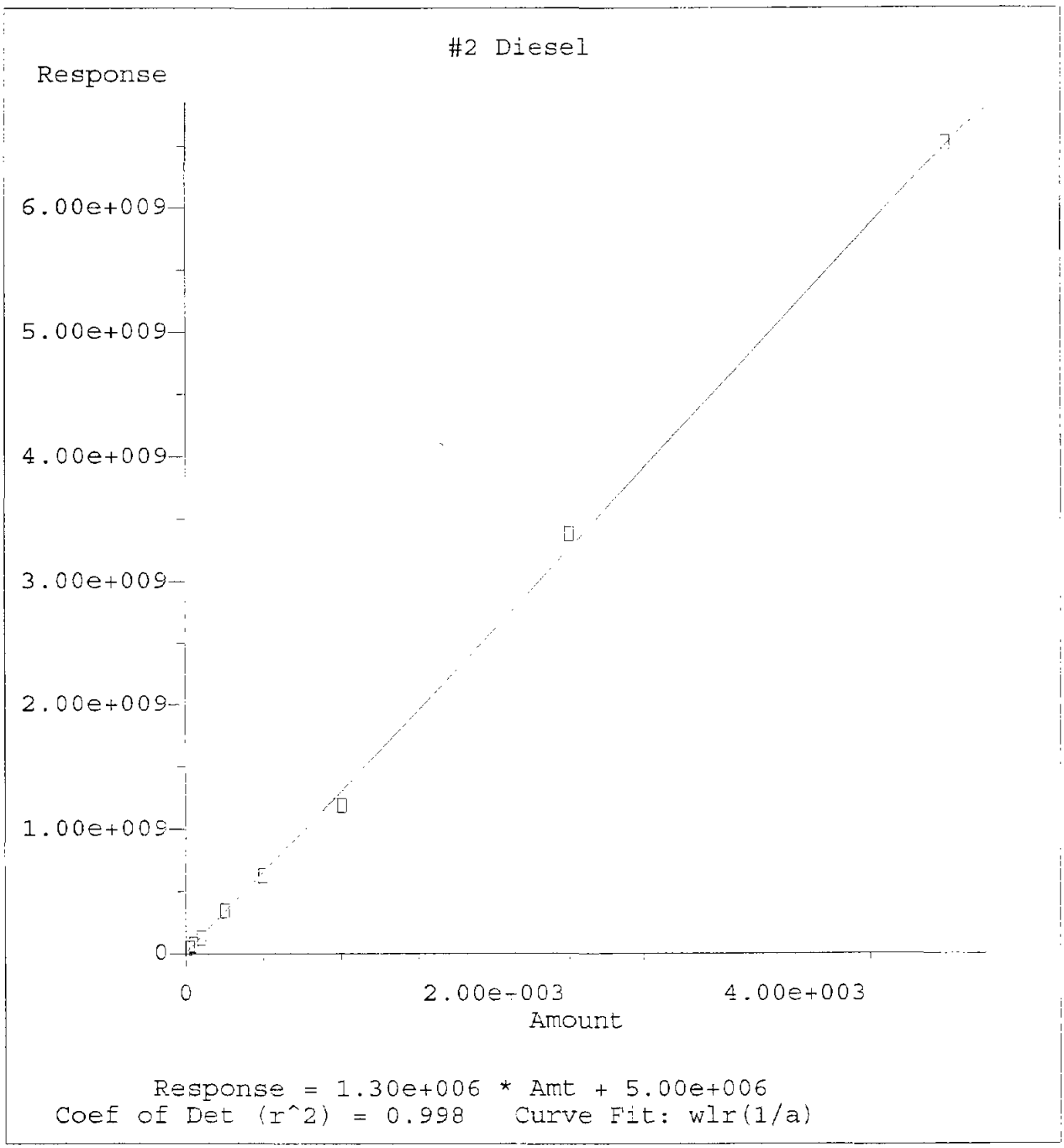
Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004

Calibration Files
25 =FA20674.D 50 =FA20675.D 100 =FA20676.D
250 =FA20677.D 500 =FA20678.D 1000 =FA20679.D

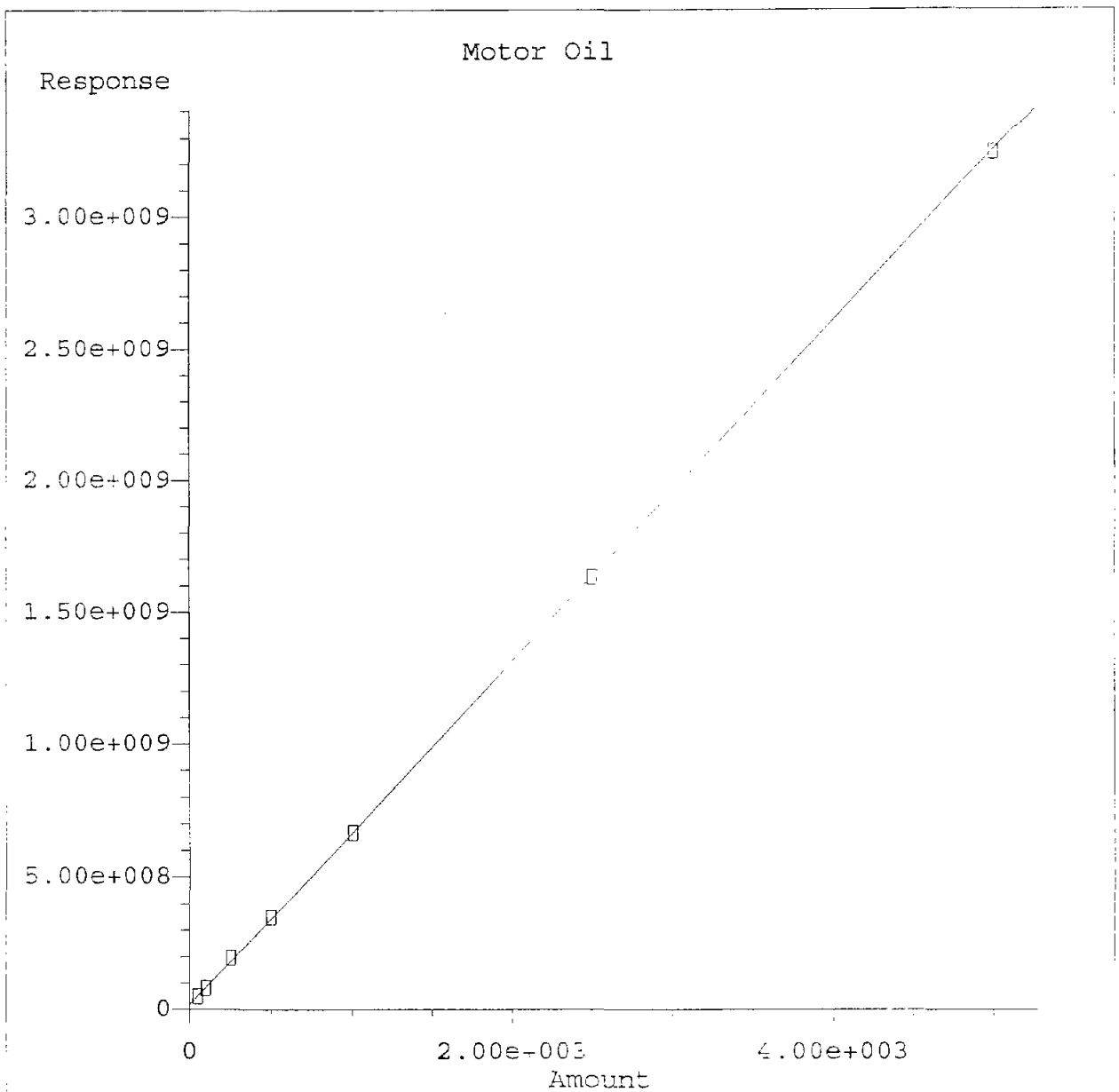
		Compound	25	50	100	250	500	1000	Avg	%RSD
1)	S	o-terphenyl (S)		1.359	1.279	1.779	1.534	1.282	1.447 E6	13.15
2)	H	#2 Diesel	1.678	1.437	1.216	1.358	1.255	1.193	1.349 E6	11.51
3)	H	Motor Oil		9.855	7.988	7.779	6.948	6.665	7.463 E5	16.27

(#) = Out of Range ### Number of calibration levels exceeded format ###

NWDF112404.M Wed Nov 24 12:59:14 2004 FUELS



Method Name: E:\METHODS\NWDF112404.M
Calibration Table Last Updated: Wed Nov 24 12:30:44 2004



Response = 6.47e+005 * Amt - 1.85e+007
Coef of Det (r^2) = 1.000 Curve Fit: wlr(1/a)

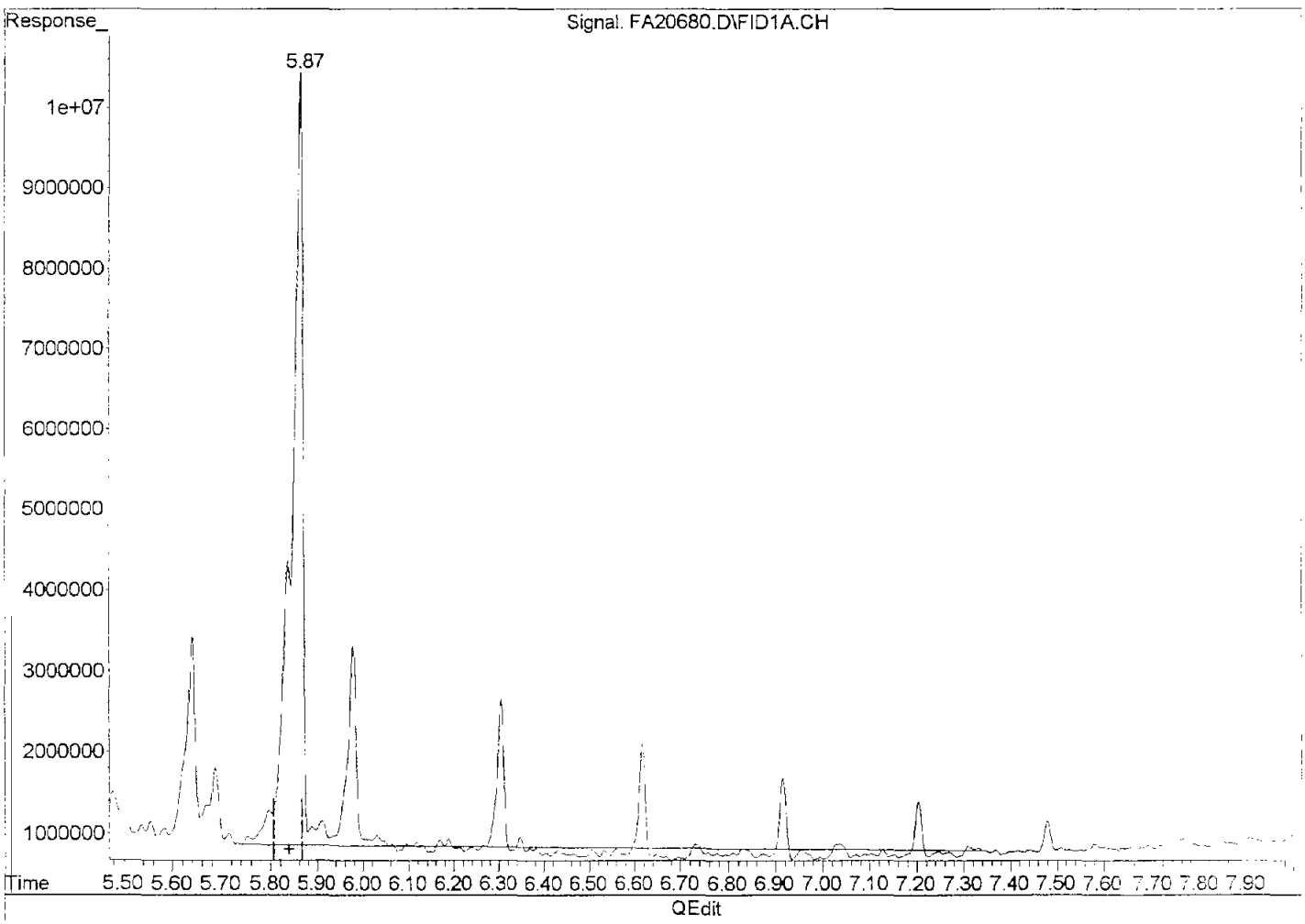
Method Name: E:\METHODS\NWDF112404.M
Calibration Table Last Updated: Wed Nov 24 12:30:44 2004

Quantitation Report (Qedit)

Data File : E:\DATA\112404_A\FA20680.D
Acq On : 24 Nov 2004 11:49 am
Sample : 1166-64-7 2500dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54 2004 Quant Results File: NWDF112404.RES

Vial: 9
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration



(1) o-terphenyl (S) (S)

5.86min 94.604ng/ul

response 136903928

(+) = Expected Retention Time

FA20680.D NWDF112404.M Wed Nov 24 12:54:22 2004 FUELS

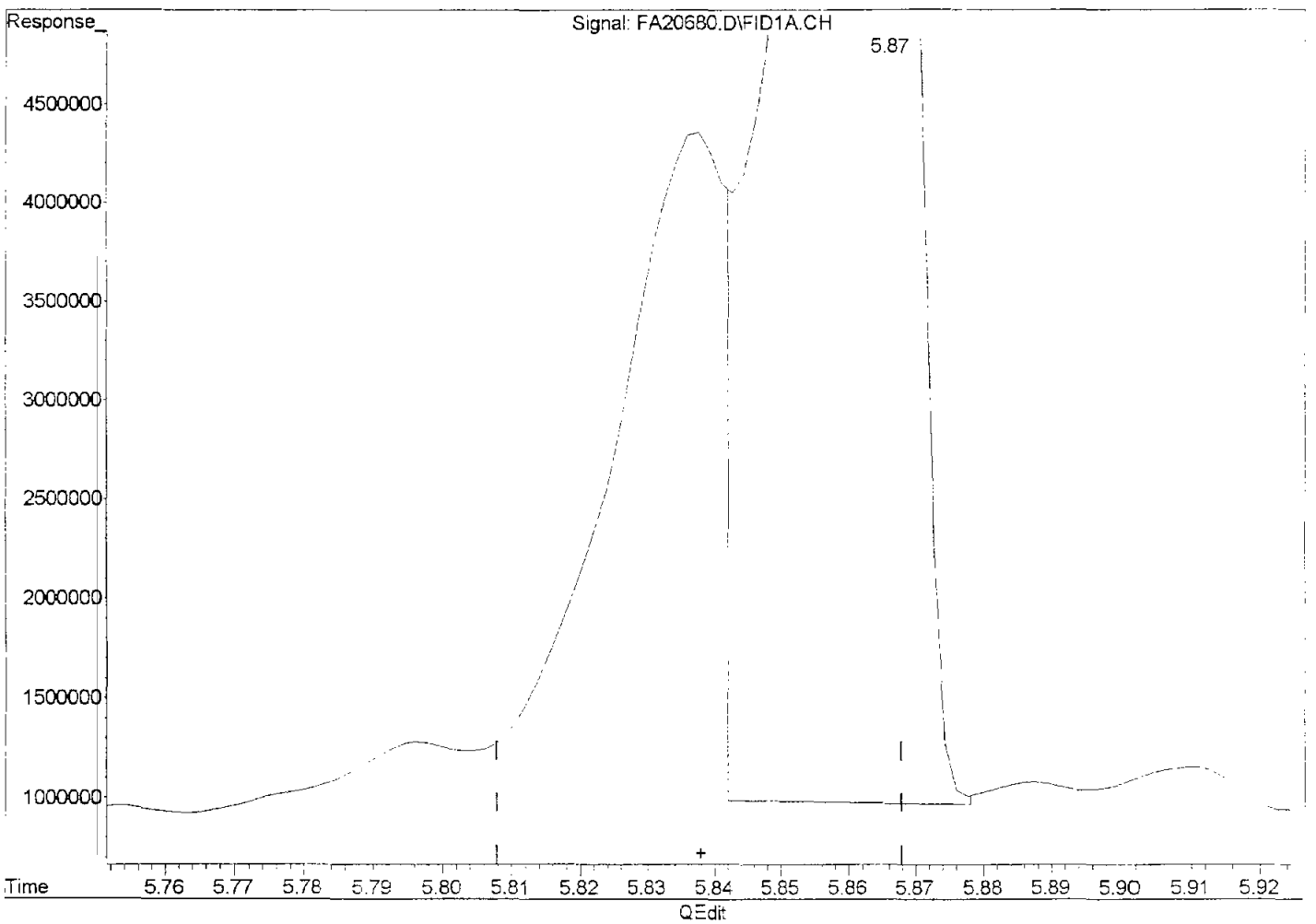
01483

Quantitation Report (Qedit)

Data File : E:\DATA\112404_A\FA20680.D
Acq On : 24 Nov 2004 11:49 am
Sample : 1166-64-7 2500dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54 2004 Quant Results File: NWDF112404.RES

Vial: 9
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration



(1) o-terphenyl (S) (S)

5.87min 76.863ng/ul m

response 111230200

(+) = Expected Retention Time

FA20680.D NWDF112404.M Wed Nov 24 12:54:37 2004 FUELS

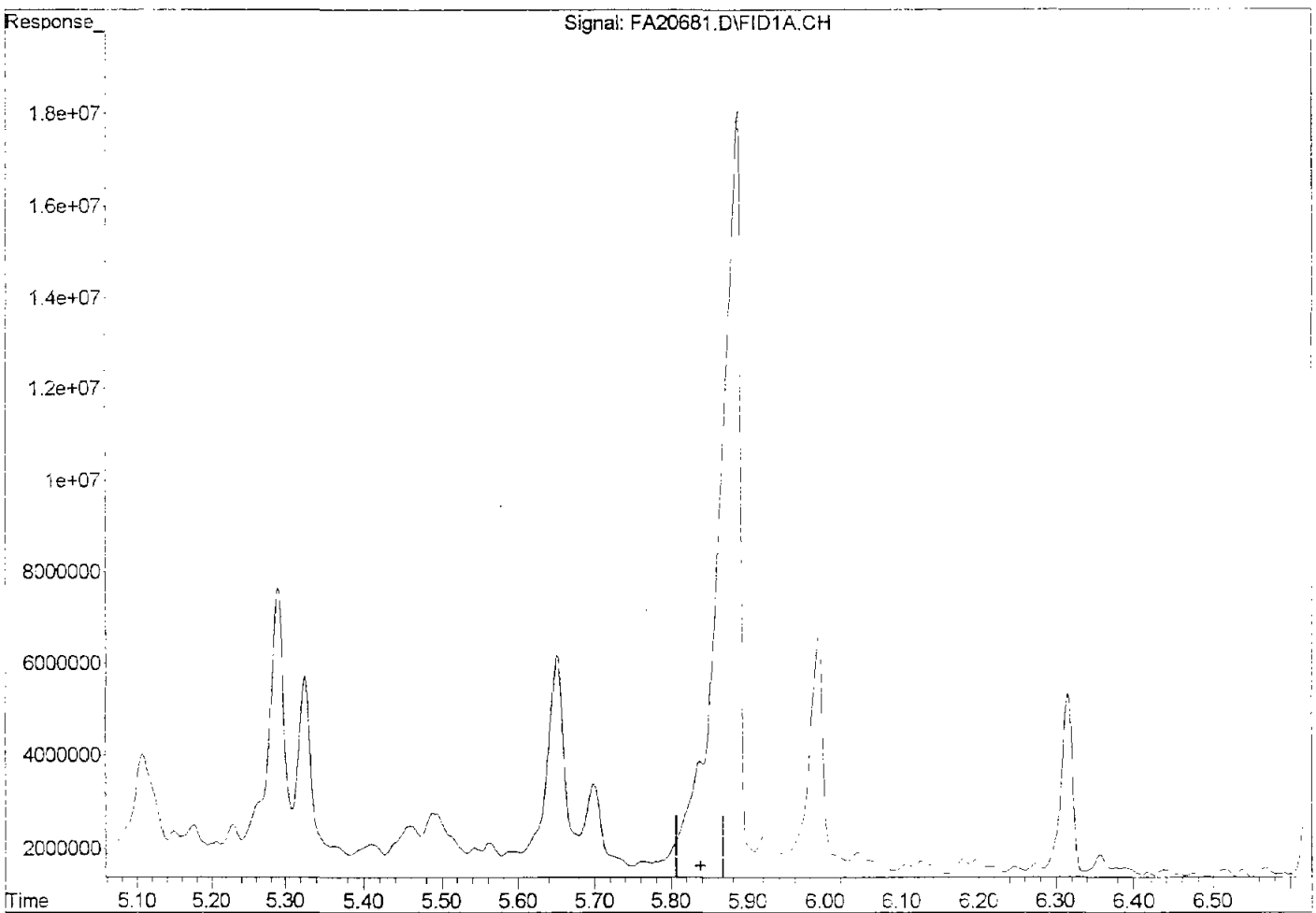
01484

Quantitation Report (Qedit)

Data File : E:\DATA\112404_A\FA20681.D
Acq On : 24 Nov 2004 12:12 pm
Sample : 1166-64-8 5000dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54 2004 Quant Results File: NWDF112404.RES

Vial: 10
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration



(1) o-terphenyl (S) (S)

5.84min 0.000ng/ul

response 0

(+) = Expected Retention Time

47011

FA20681.D NWDF112404.M Wed Nov 24 12:54:48 2004 FUELS

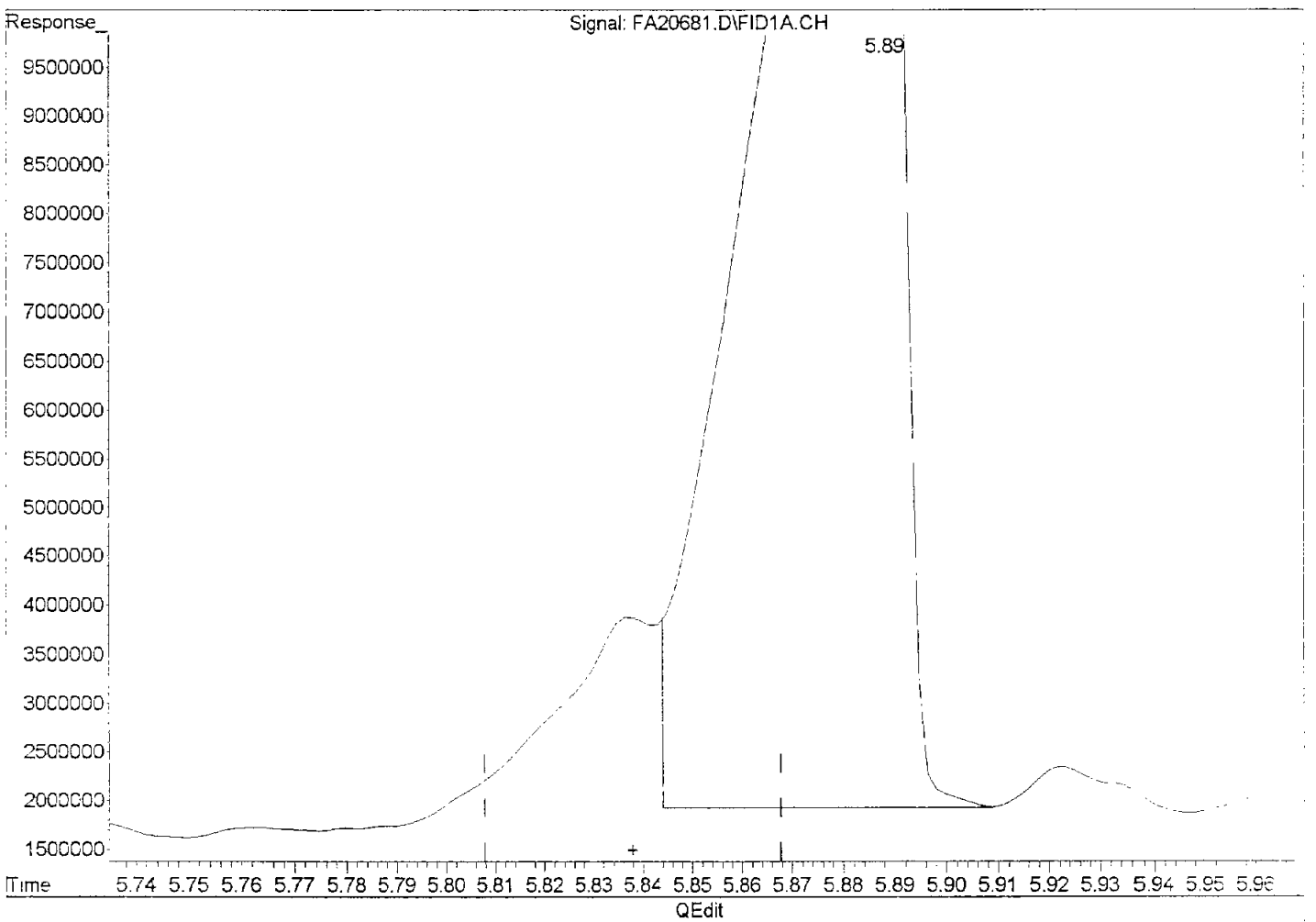
01485

Quantitation Report (Qedit)

Data File : E:\DATA\112404_A\FA20681.D
Acq On : 24 Nov 2004 12:12 pm
Sample : 1166-64-8 5000dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54 2004 Quant Results File: NWDF112404.RES

Vial: 10
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration



(1) o-terphenyl (S) (S)

5.89min 183.046ng/ul m

response 264889669

(+) = Expected Retention Time

FA20681.D NWDF112404.M Wed Nov 24 12:55:09 2004 FUELS

01486

Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20673.D Vial: 2
Acq On : 11-24-2004 09:41:32 AM Operator: RBF
Sample : 1166-61-8 n-alkane rt std Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 24 12:53:47 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
2) H #2 Diesel	5.00	184273953	137.826 ng/ul
3) H Motor Oil	9.00	128885854	170.619 ng/ul

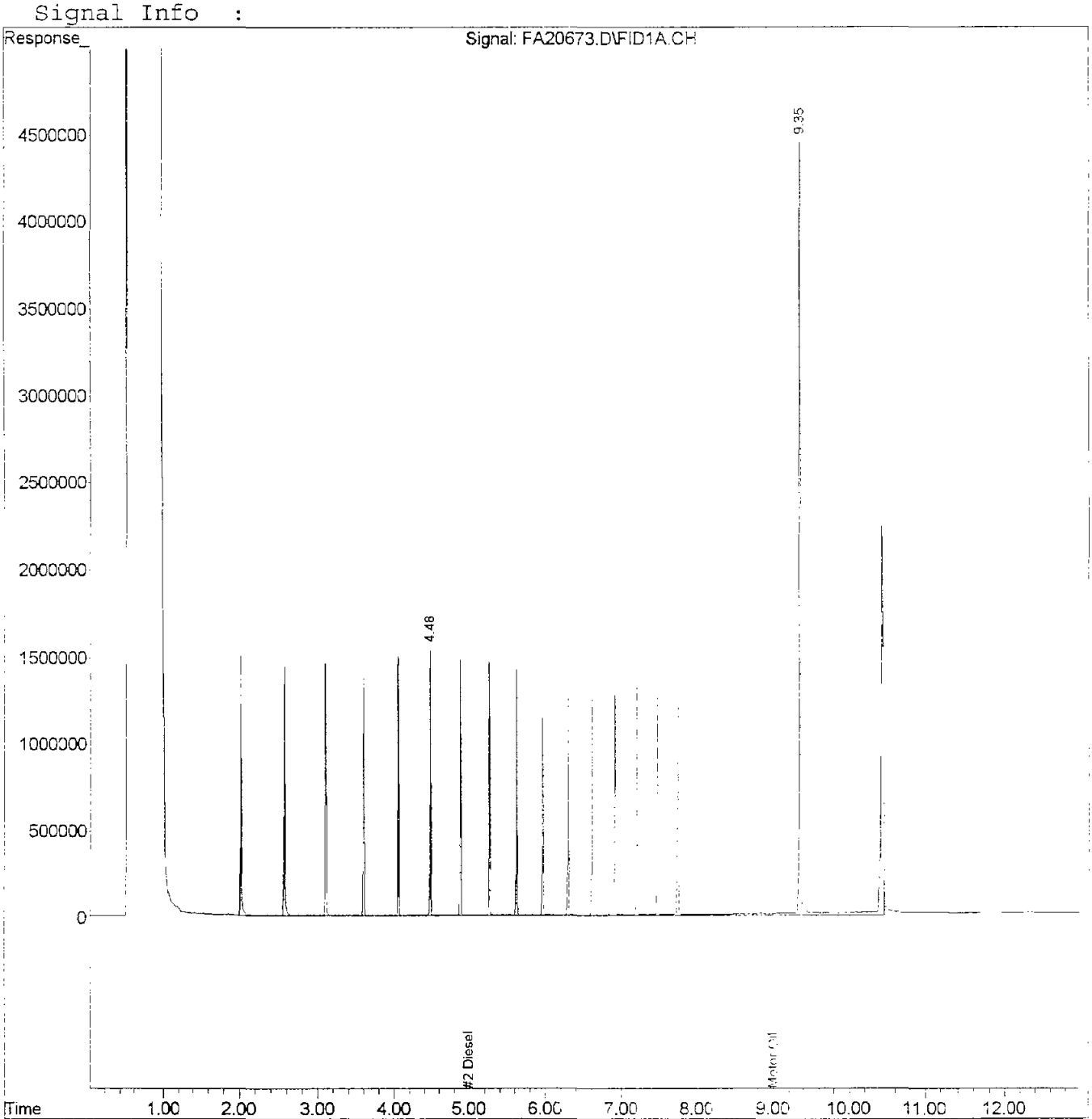
Quantitation Report (Not Reviewed)

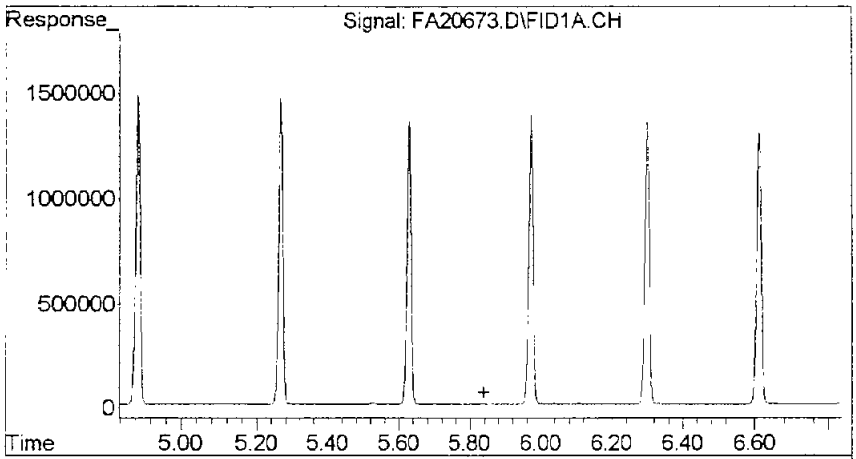
Data File : E:\DATA\112404_A\FA20673.D
Acq On : 11-24-2004 09:41:32 AM
Sample : 1166-61-8 n-alkane rt std
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:53 2004 Quant Results File: NWDF112404.RES

Vial: 2
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FAST.M

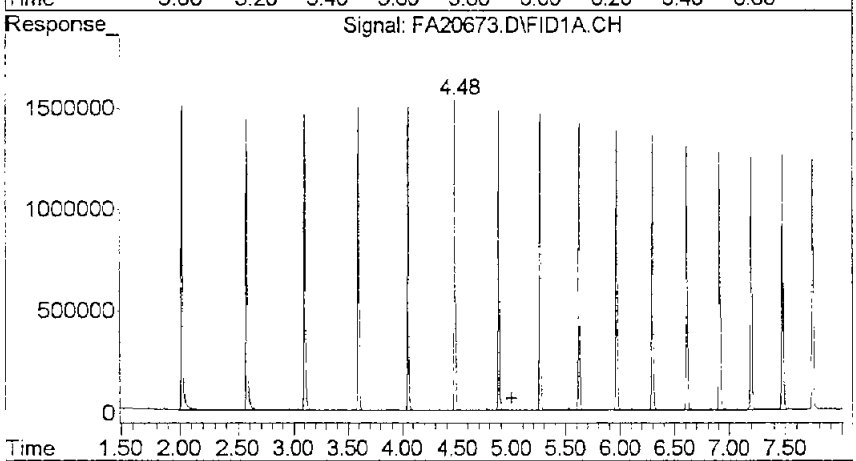
Volume Inj. :
Signal Phase :
Signal Info :





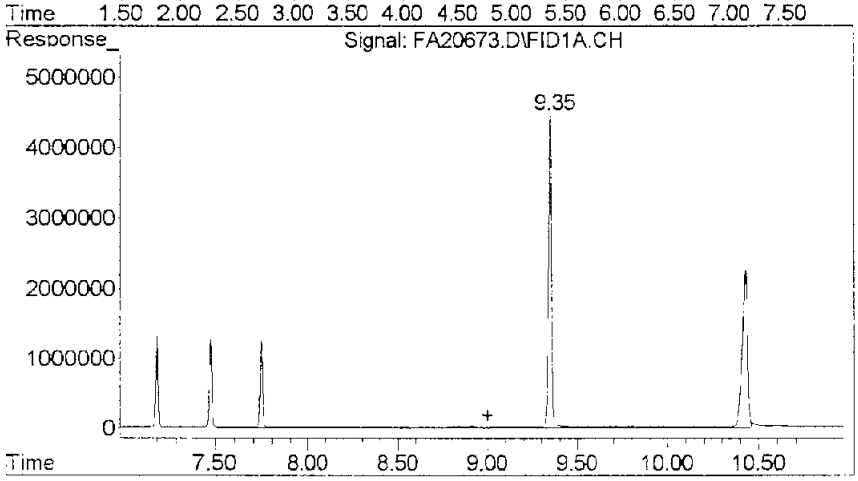
#1 o-terphenyl (S)

R.T.: 0.000 min
Exp R.T. : 5.838 min
Response: 0
Conc: N.D.



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 184273953
Conc: 137.83 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 128885854
Conc: 170.62 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20674.D Vial: 3
Acq On : 11-24-2004 09:59:00 AM Operator: RBF
Sample : 1166-64-1 25dm ical Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 24 12:53:52 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

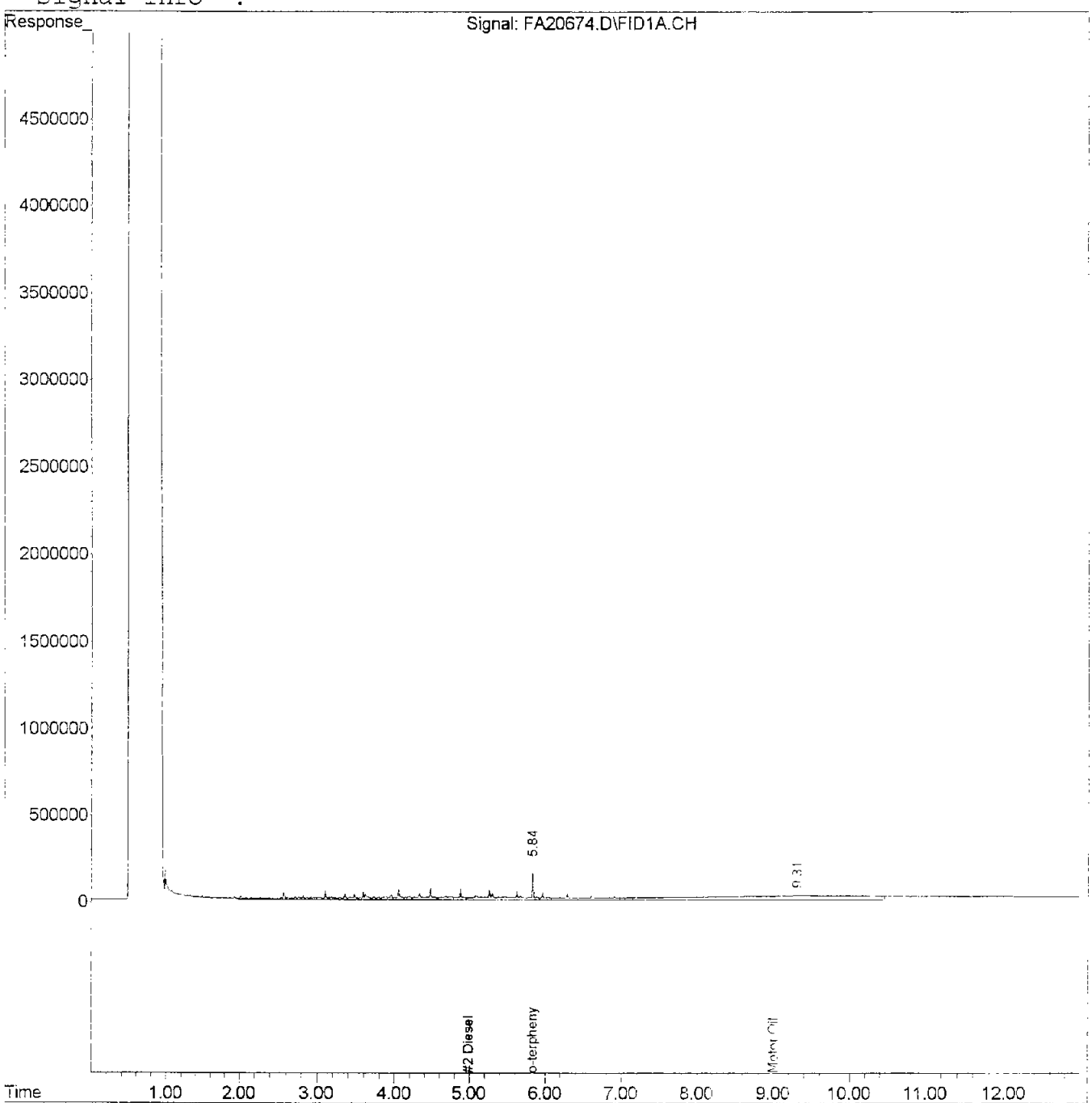
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.84	1521844	1.052 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	41950287	28.409 ng/ul
3) H Motor Oil	9.00	34750207	25.087 ng/ul

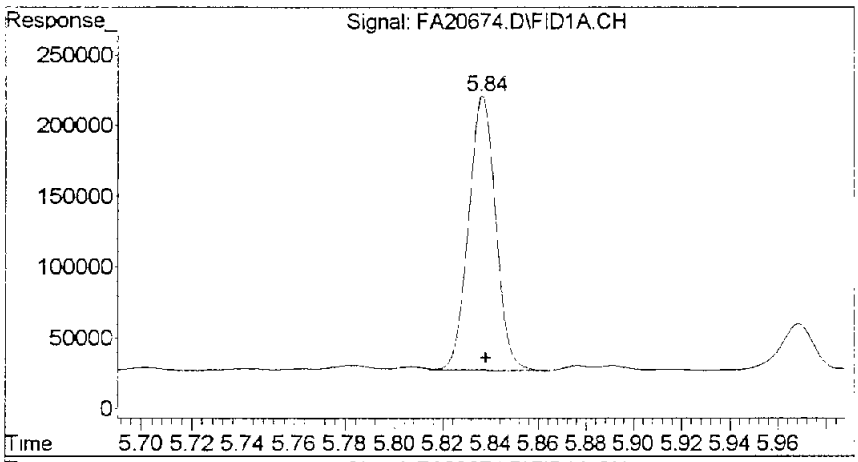
Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20674.D Vial: 3
Acq On : 11-24-2004 09:59:00 AM Operator: RBF
Sample : 1166-64-1 25dm ical Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 24 12:53 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FAST.M

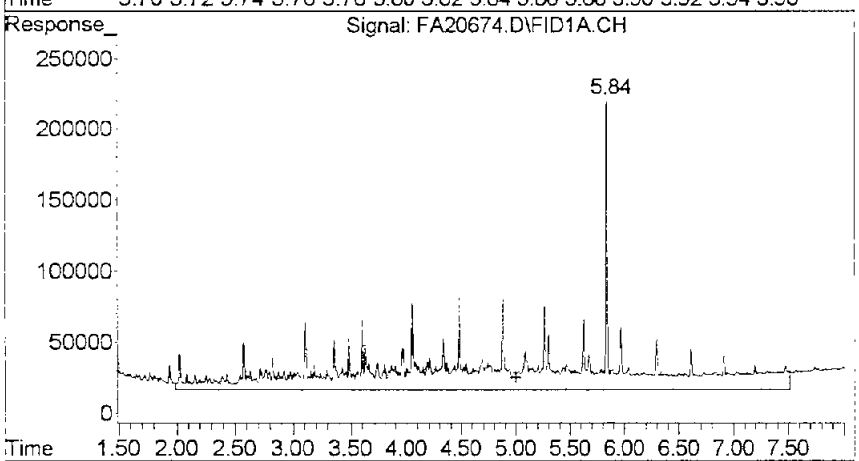
Volume Inj. :
Signal Phase :
Signal Info :





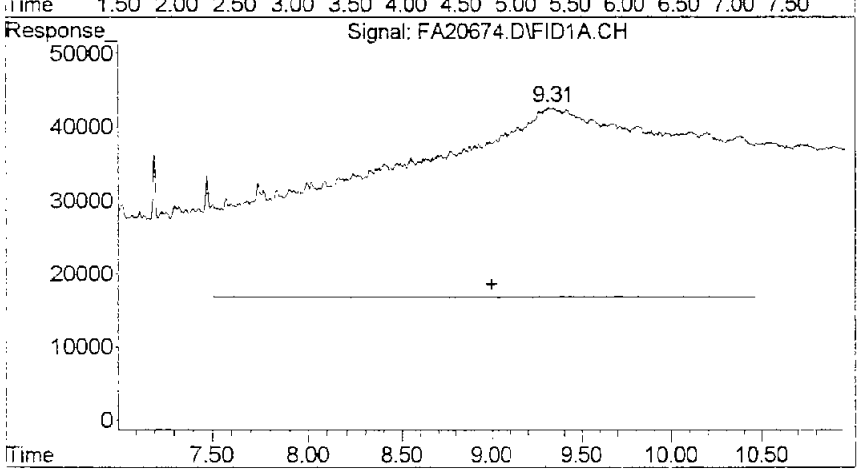
#1 o-terphenyl (S)

R.T.: 5.837 min
Delta R.T.: 0.000 min
Response: 1521844
Conc: 1.05 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 41950287
Conc: 28.41 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 34750207
Conc: 25.09 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20675.D Vial: 4
Acq On : 24 Nov 2004 10:16 am Operator: RBF
Sample : 1166-64-2 50dm ical Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 24 12:53:56 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.84	2718170	1.878 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	71855280	51.399 ng/ul
3) H Motor Oil	9.00	49276600	47.544 ng/ul

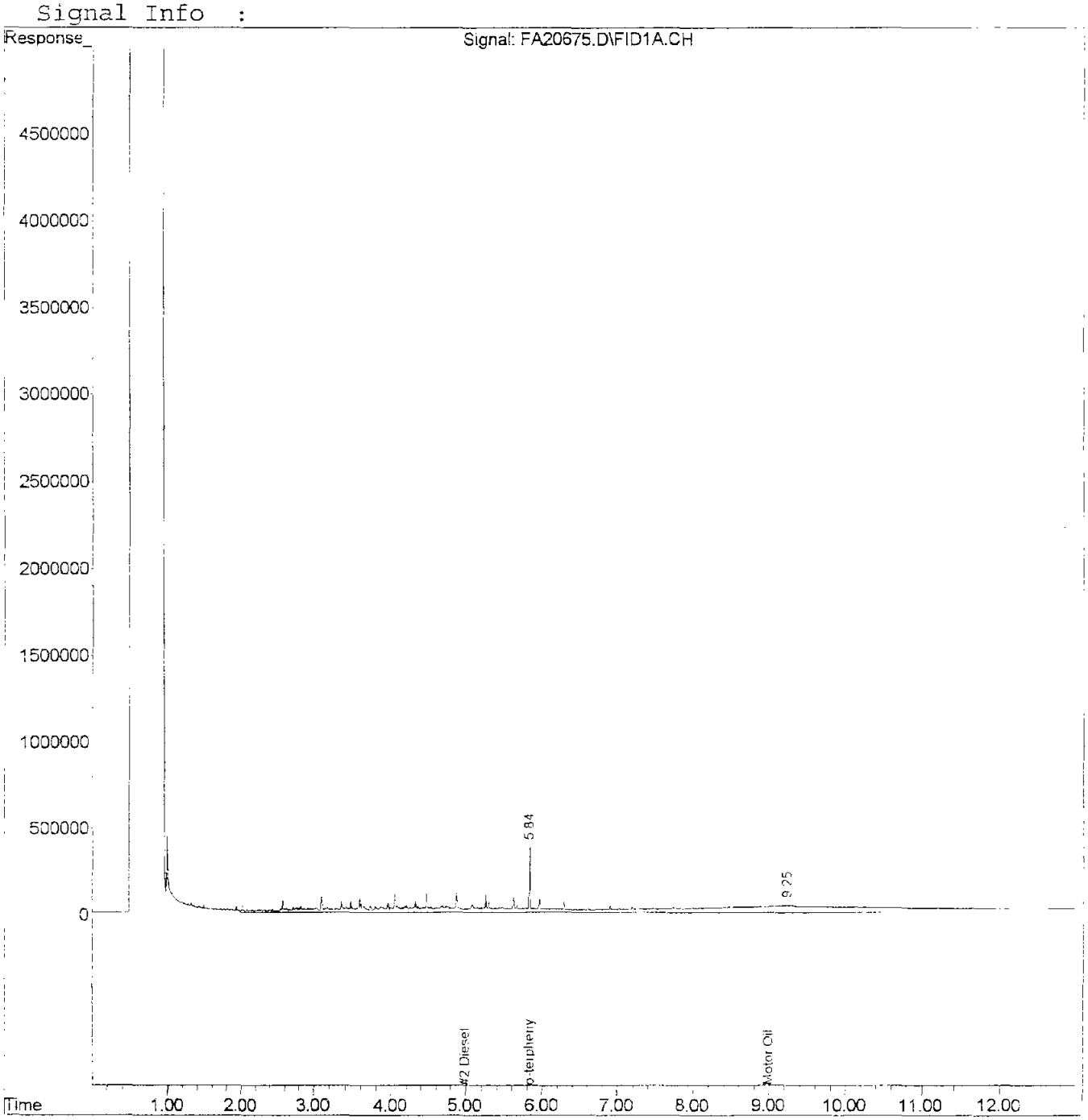
Quantitation Report (Not Reviewed)

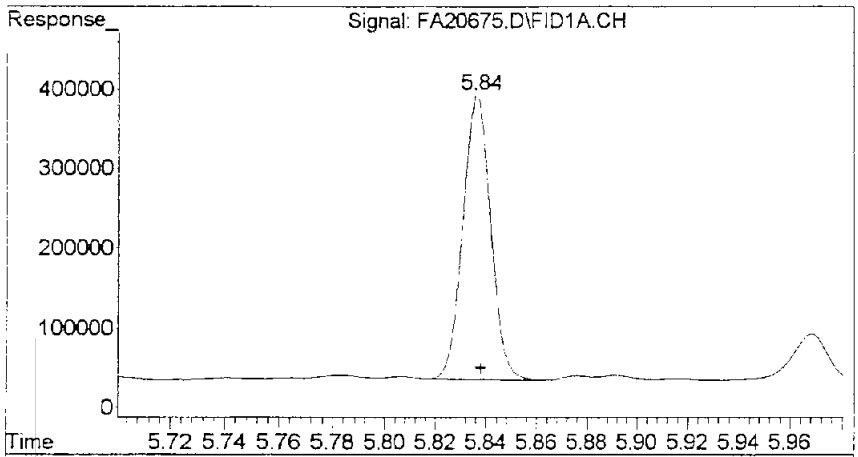
Data File : E:\DATA\112404_A\FA20675.D
Acq On : 24 Nov 2004 10:16 am
Sample : 1166-64-2 50dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:53 2004 Quant Results File: NWDF112404.RES

Vial: 4
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FAST.M

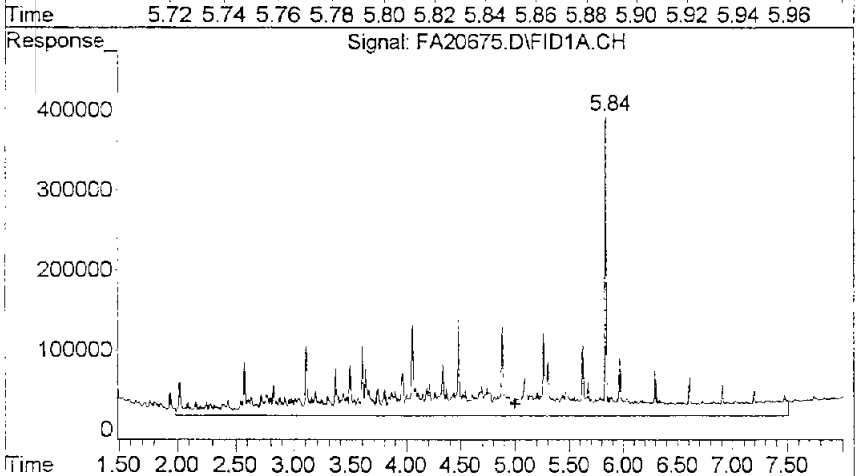
Volume Inj. :
Signal Phase :
Signal Info :





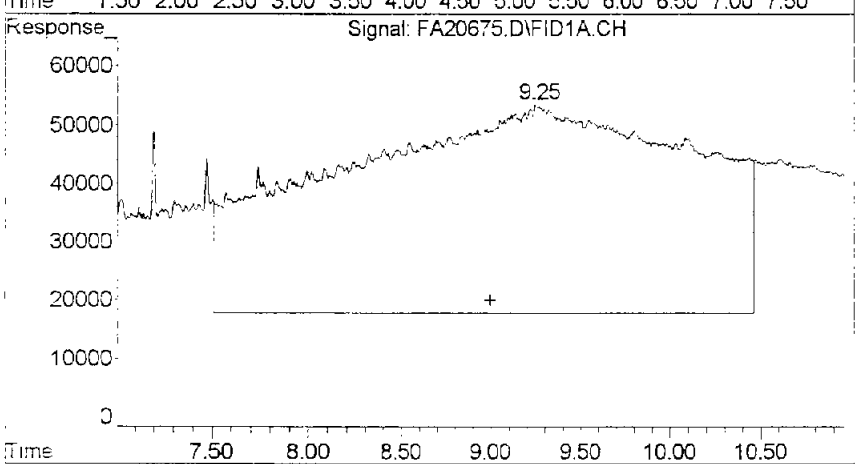
#1 o-terphenyl (S)

R.T.: 5.837 min
Delta R.T.: -0.001 min
Response: 2718170
Conc: 1.88 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 71855280
Conc: 51.40 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 49276600
Conc: 47.54 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20676.D
Vial: 5
Acq On : 24 Nov 2004 10:33 am
Operator: RBF
Sample : 1166-64-3 100dm ical
Inst : SEA013
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 24 12:53:59 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.84	5114487	3.534 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	121682551	89.706 ng/ul
3) H Motor Oil	9.00	79908762	94.901 ng/ul

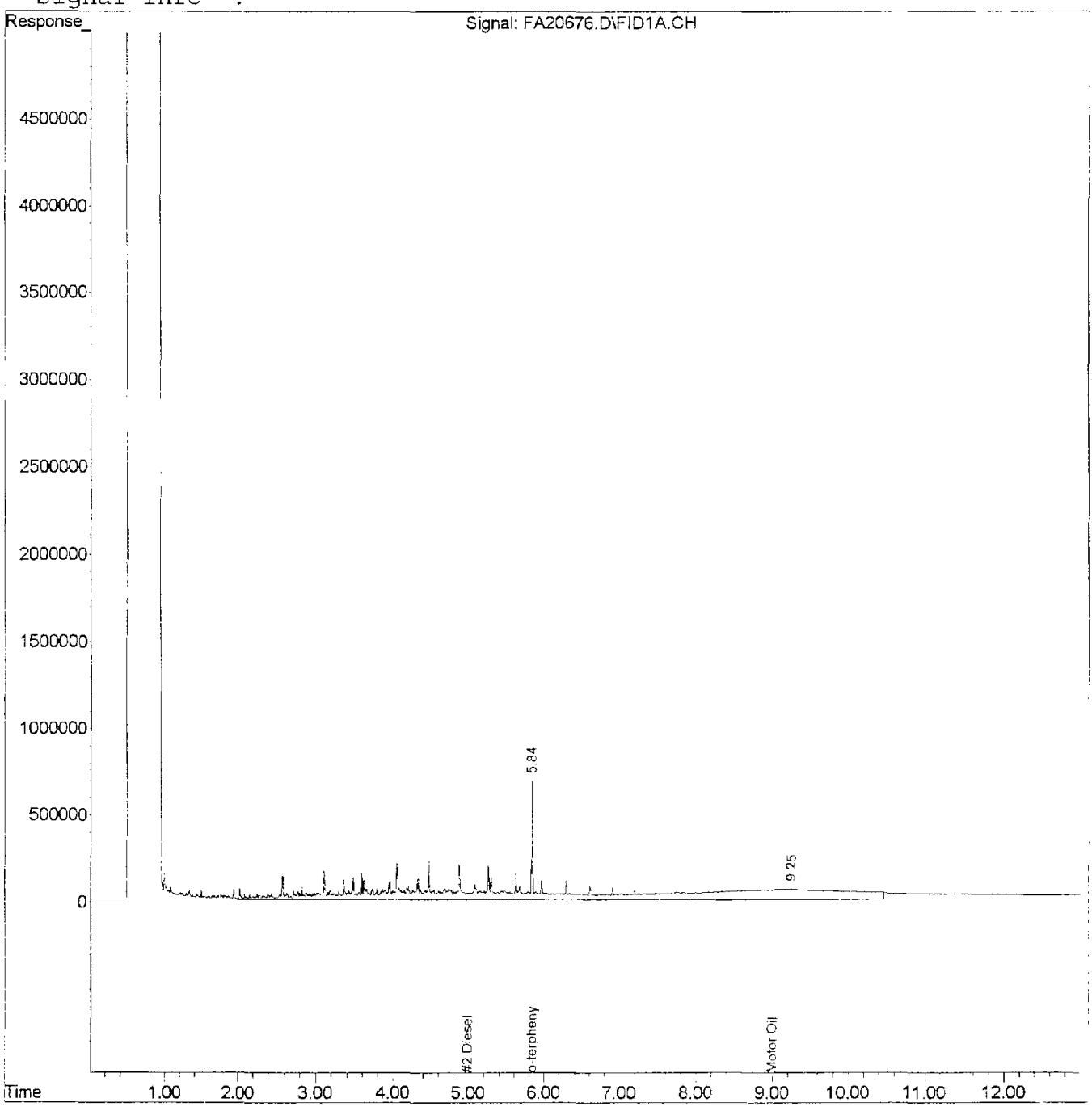
Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20676.D
Acq On : 24 Nov 2004 10:33 am
Sample : 1166-64-3 100dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:53 2004 Quant Results File: NWDF112404.RES

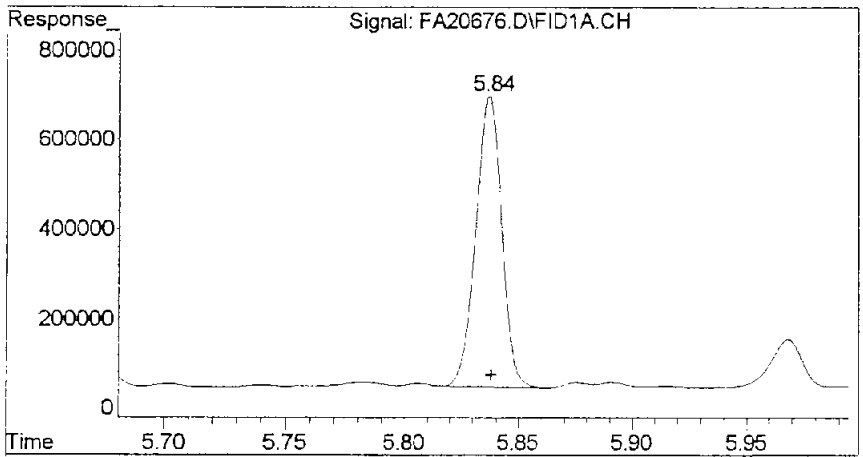
Vial: 5
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

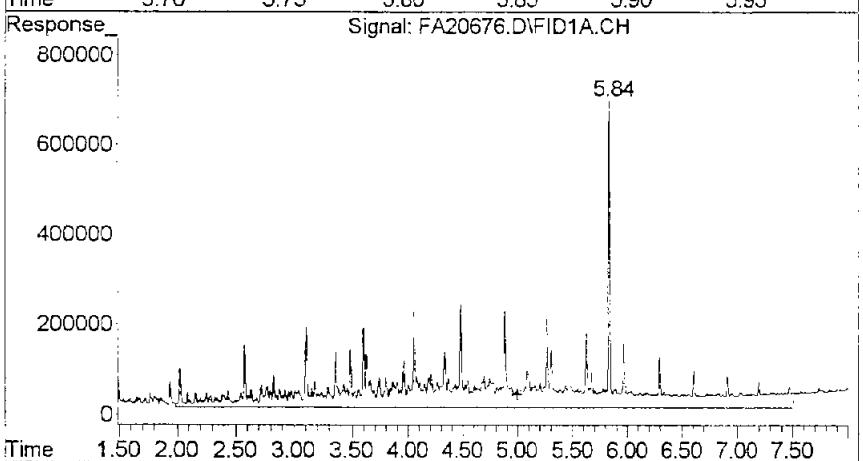


01497



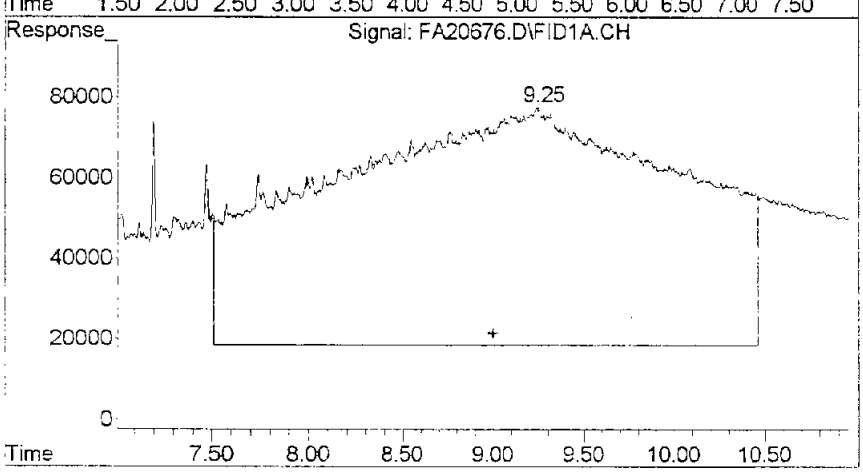
#1 o-terphenyl (S)

R.T.: 5.838 min
Delta R.T.: 0.000 min
Response: 5114487
Conc: 3.53 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 121682551
Conc: 89.71 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 79908762
Conc: 94.90 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20677.D
Acq On : 24 Nov 2004 10:51 am
Sample : 1166-64-4 250dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54:02 2004 Quant Results File: NWDF112404.RES

Vial: 6
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
1)	S	o-terphenyl (S)	5.84	17788412	12.292	ng/ul
Target Compounds						
2)	H	#2 Diesel	5.00	339663067	257.287	ng/ul
3)	H	Motor Oil	9.00	194560323	272.151	ng/ul

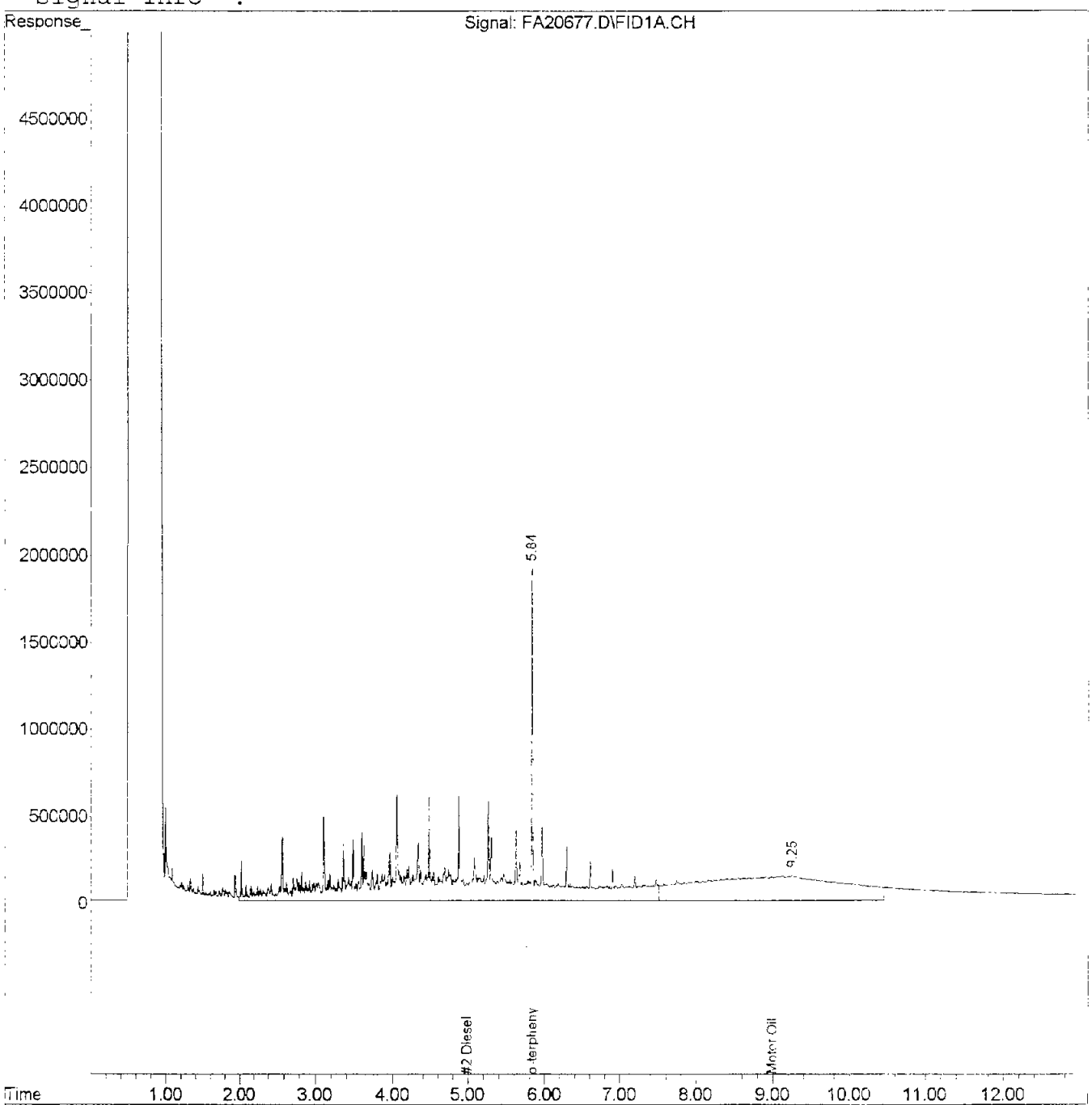
Quantitation Report (Not Reviewed)

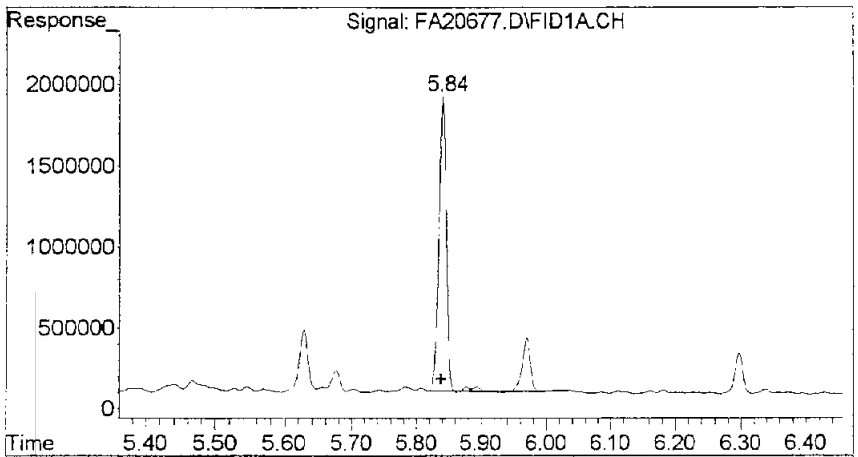
Data File : E:\DATA\112404_A\FA20677.D
Acq On : 24 Nov 2004 10:51 am
Sample : 1166-64-4 250dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54 2004 Quant Results File: NWDF112404.RES

Vial: 6
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FAST.M

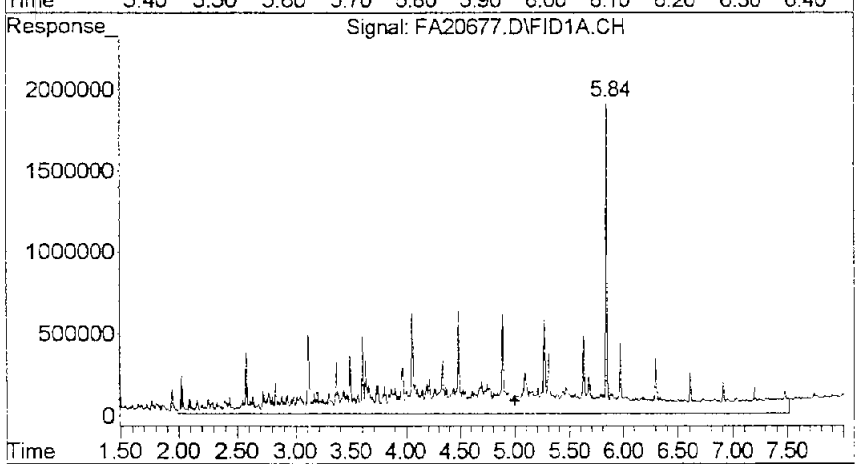
Volume Inj. :
Signal Phase :
Signal Info :





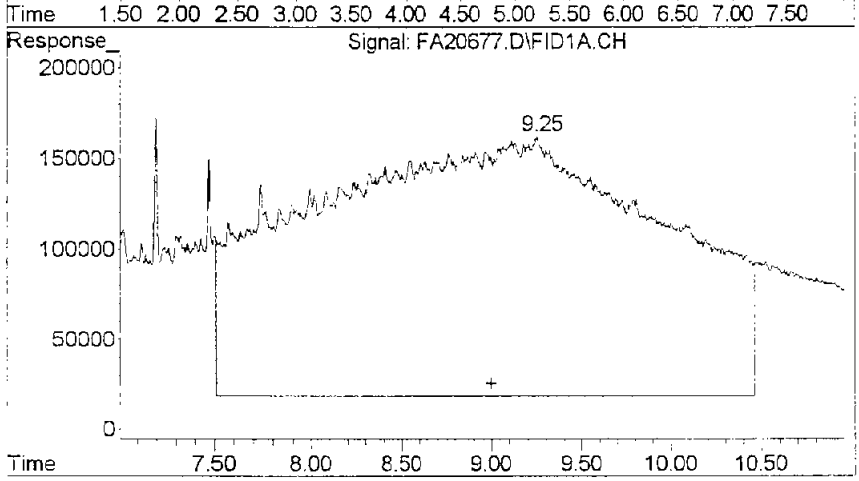
#1 o-terphenyl (S)

R.T.: 5.841 min
Delta R.T.: 0.003 min
Response: 17788412
Conc: 12.29 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 339663067
Conc: 257.29 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 194560323
Conc: 272.15 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20678.D
Acq On : 24 Nov 2004 11:09 am
Sample : 1166-64-5 500dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54:05 2004 Quant Results File: NWDF112404.RES

Vial: 7
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

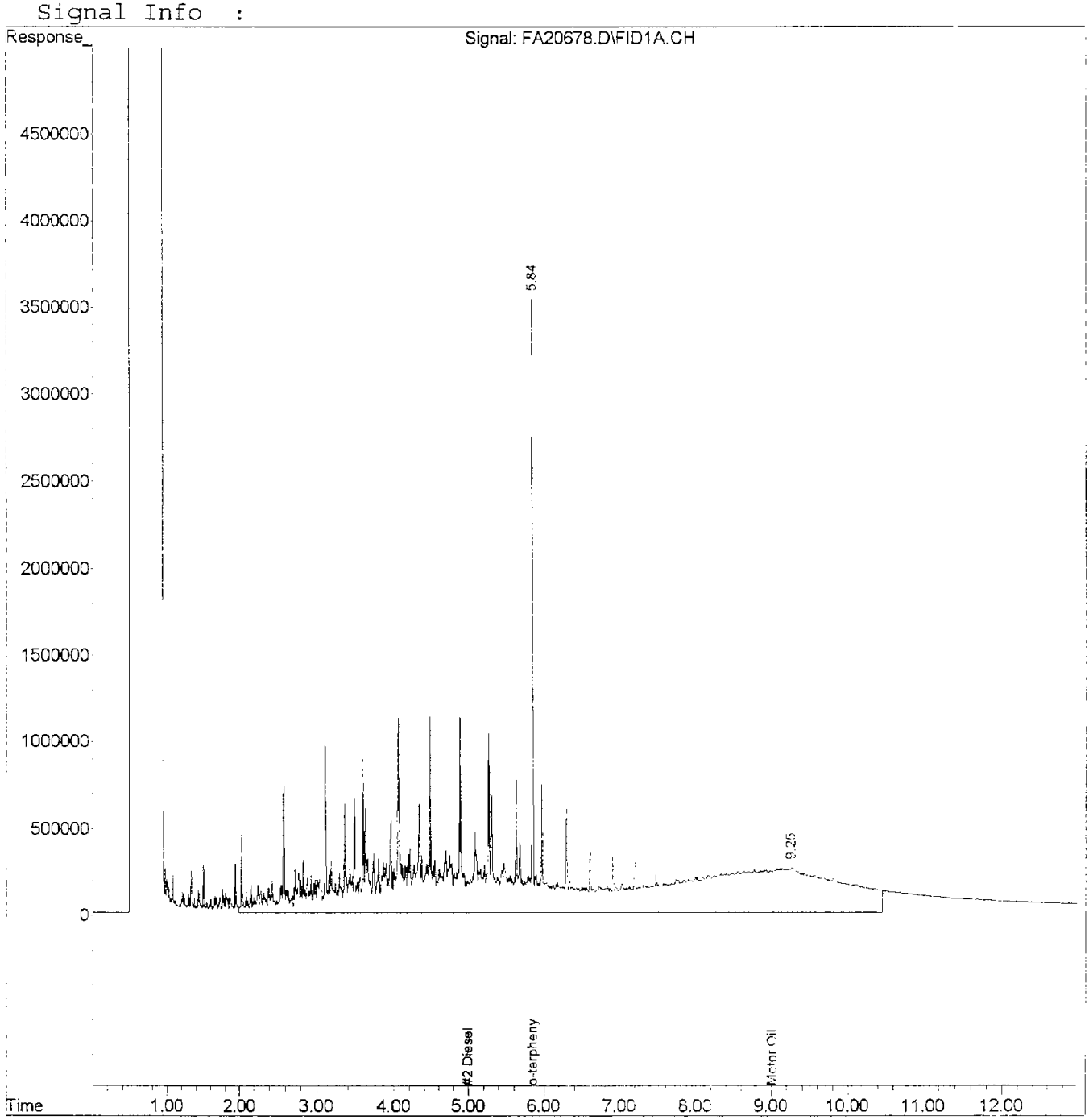
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.84	30685988	21.205 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	627926935	478.901 ng/ul
3) H Motor Oil	9.00	347539050	508.653 ng/ul

Quantitation Report (Not Reviewed)

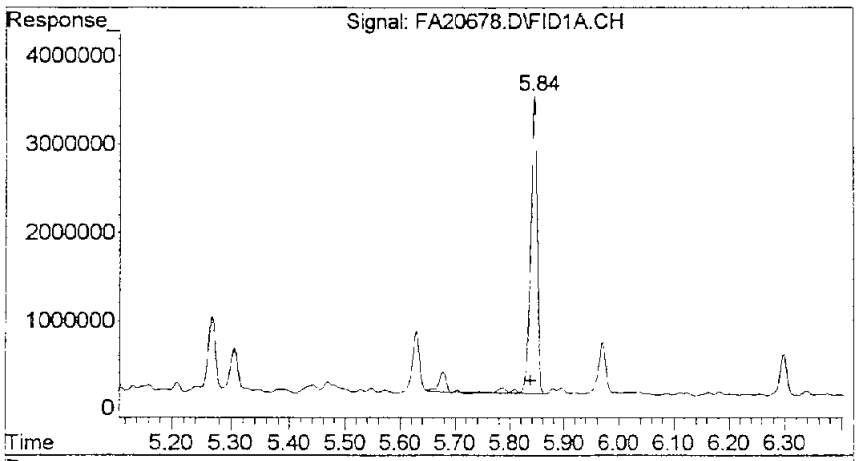
Data File : E:\DATA\112404_A\FA20678.D Vial: 7
Acq On : 24 Nov 2004 11:09 am Operator: RBF
Sample : 1166-64-5 500dm ical Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 24 12:54 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

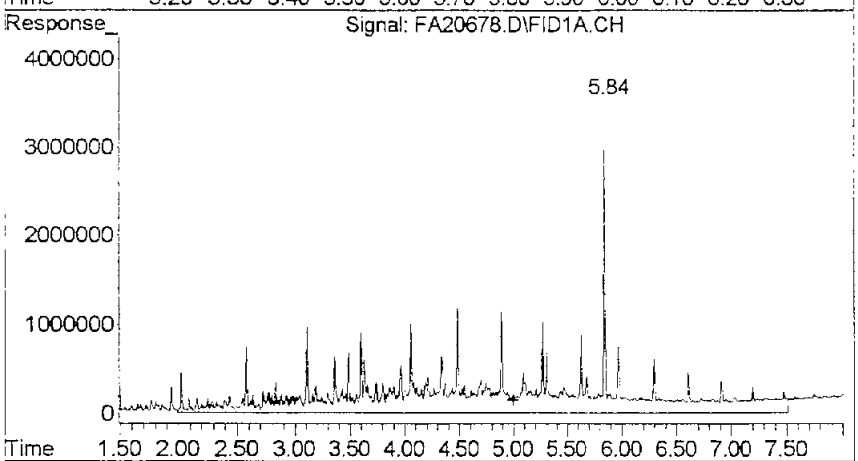


01503



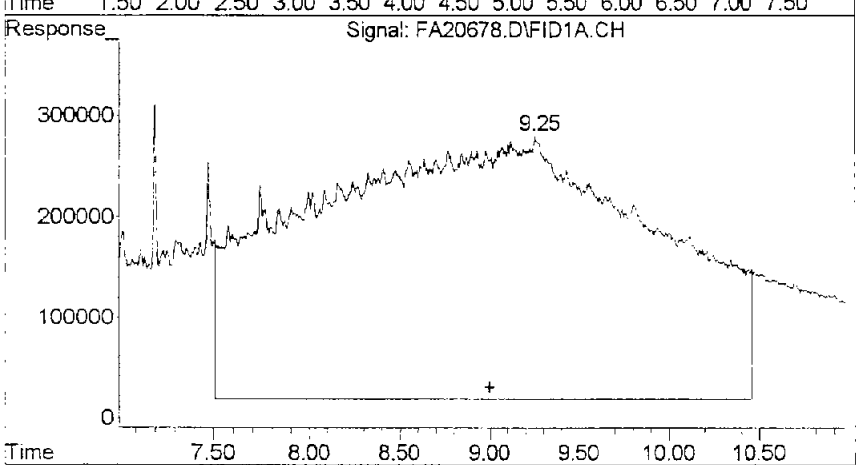
#1 o-terphenyl (S)

R.T.: 5.845 min
Delta R.T.: 0.007 min
Response: 30685988
Conc: 21.20 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 627926935
Conc: 478.90 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 347539050
Conc: 508.65 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20679.D
Vial: 8
Acq On : 24 Nov 2004 11:26 am
Operator: RBF
Sample : 1166-64-6 1000dm ical
Inst : SEA013
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 24 12:54:08 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S o-terphenyl (S)	5.85	51293136	35.445	ng/ul
Target Compounds				
2) H #2 Diesel	5.00	1192535574	912.966	ng/ul
3) H Motor Oil	9.00	666520930	1001.795	ng/ul

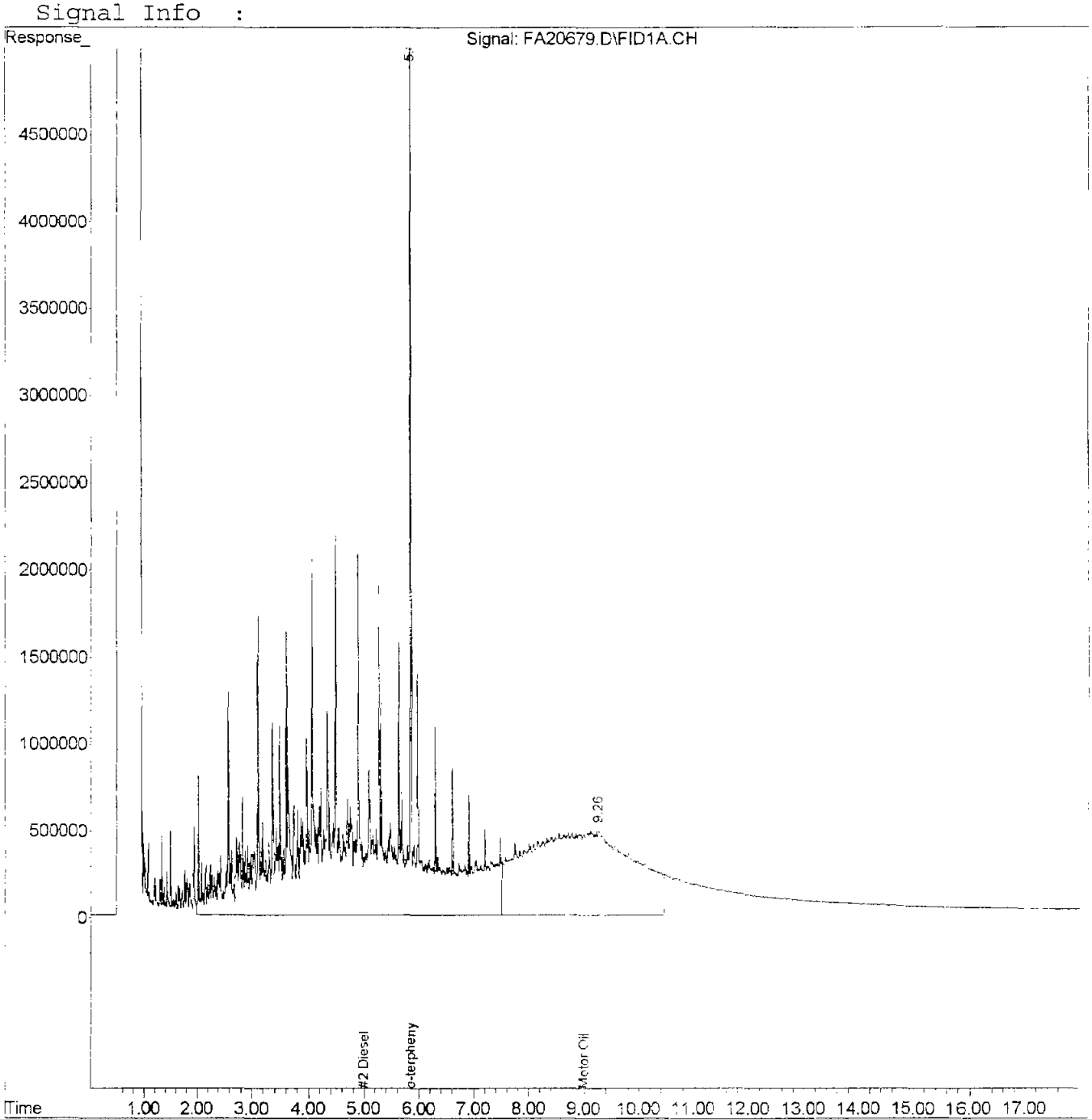
Quantitation Report (Not Reviewed)

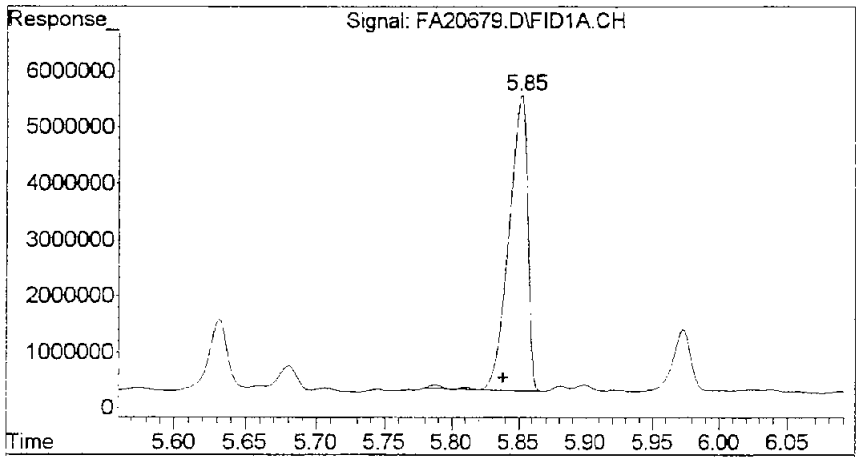
Data File : E:\DATA\112404_A\FA20679.D
Acq On : 24 Nov 2004 11:26 am
Sample : 1166-64-6 1000dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54 2004 Quant Results File: NWDF112404.RES

Vial: 8
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFAST.M

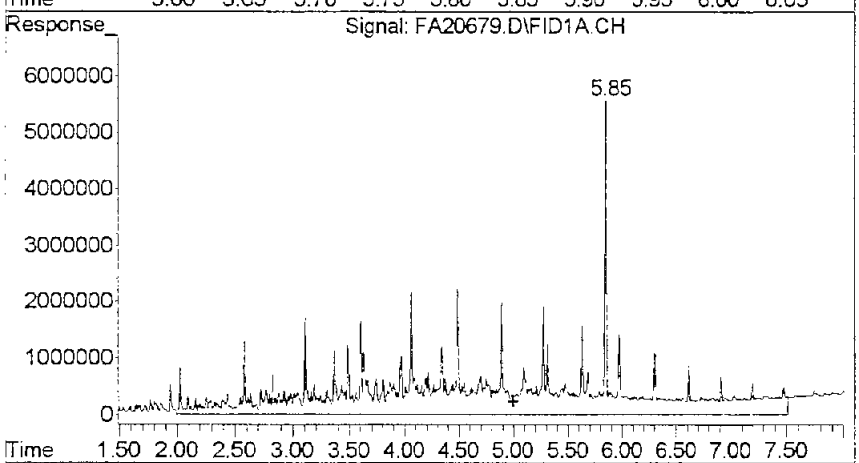
Volume Inj. :
Signal Phase :
Signal Info :





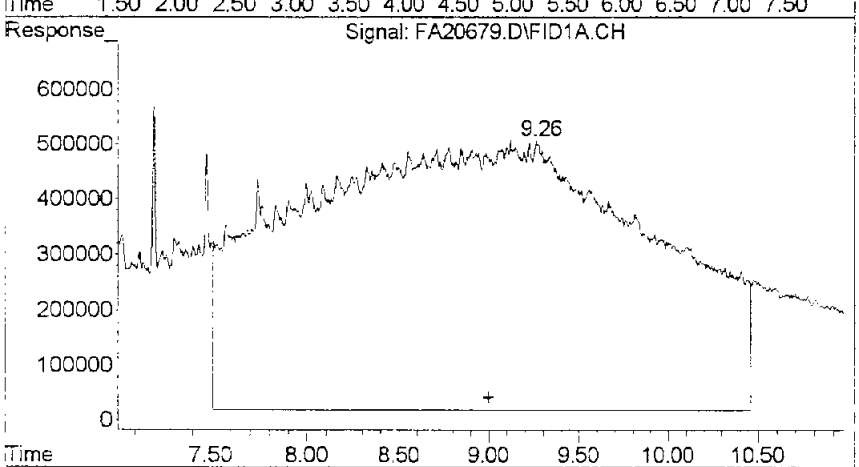
#1 o-terphenyl (S)

R.T.: 5.850 min
Delta R.T.: 0.012 min
Response: 51293136
Conc: 35.45 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 1192535574
Conc: 912.97 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 666520930
Conc: 1001.79 ng/ul m

Quantitation Report (QT Reviewed)

Data File : E:\DATA\112404_A\FA20680.D
Acq On : 24 Nov 2004 11:49 am
Sample : 1166-64-7 2500dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54:12 2004 Quant Results File: NWDF112404.RES

Vial: 9
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.87f	111230200	76.863 ng/ulm
Target Compounds			
2) H #2 Diesel	5.00	3412673793	2619.785 ng/ul
3) H Motor Oil	9.00	1631800176	2494.102 ng/ul

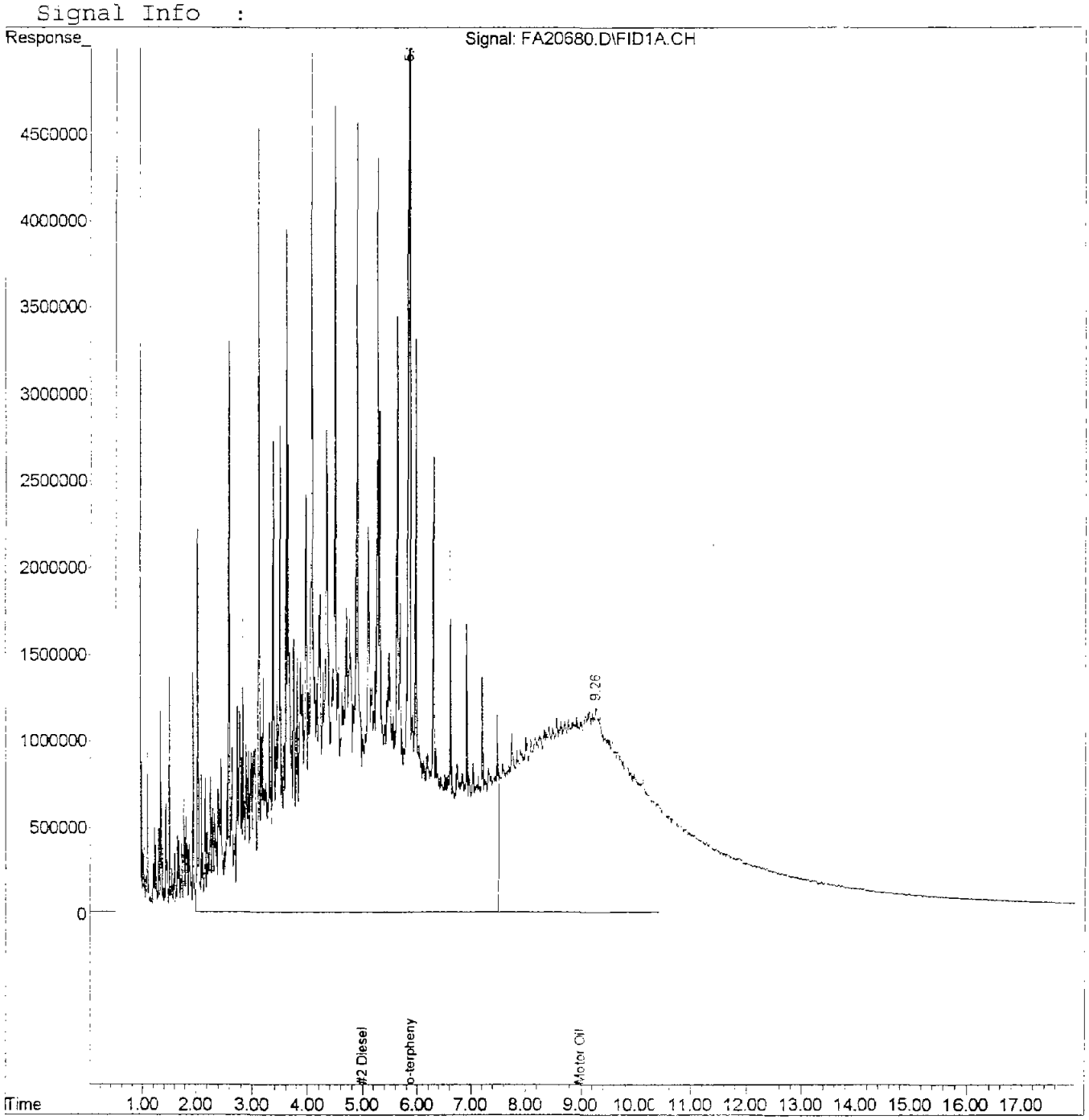
Quantitation Report (QT Reviewed)

Data File : E:\DATA\112404_A\FA20680.D
Acq On : 24 Nov 2004 11:49 am
Sample : 1166-64-7 2500dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54 2004 Quant Results File: NWDF112404.RES

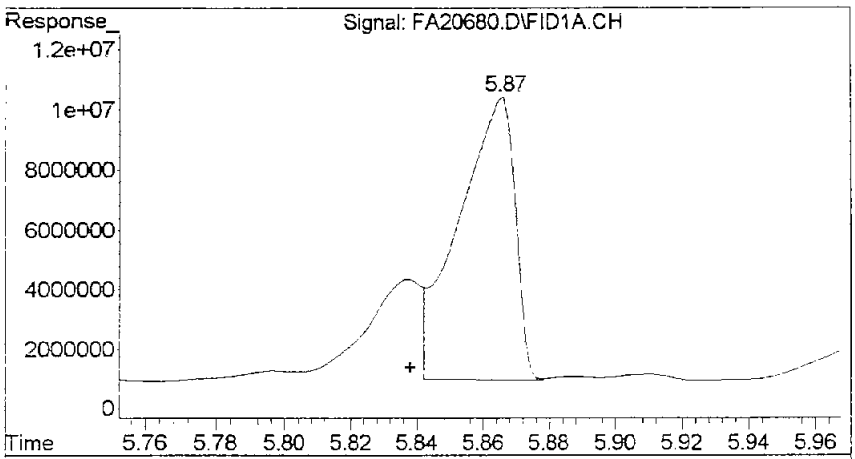
Vial: 9
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

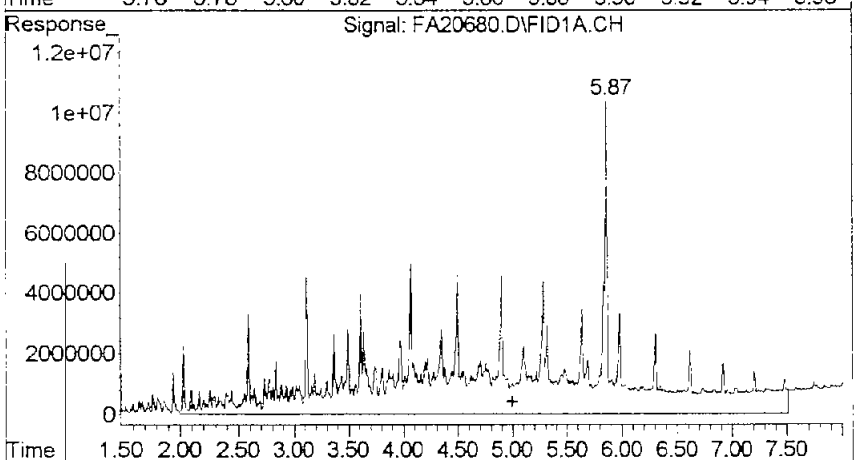


01509



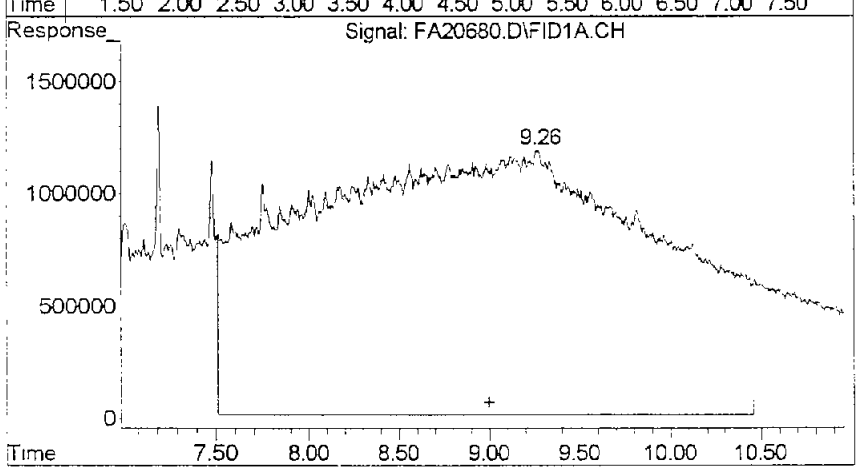
#1 o-terphenyl (S)

R.T.: 5.865 min
Delta R.T.: 0.027 min
Response: 111230200
Conc: 76.86 ng/ul m



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 3412673793
Conc: 2619.78 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 1631800176
Conc: 2494.10 ng/ul m

Quantitation Report (QT Reviewed)

Data File : E:\DATA\112404_A\FA20681.D
Acq On : 24 Nov 2004 12:12 pm
Sample : 1166-64-8 5000dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:54:43 2004 Quant Results File: NWDF112404.RES

Vial: 10
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S o-terphenyl (S)	5.89f	264889669	183.046	ng/ulm
Target Compounds				
2) H #2 Diesel	5.00	6531044117	5017.154	ng/ul
3) H Motor Oil	9.00	3242486389	4984.198	ng/ul

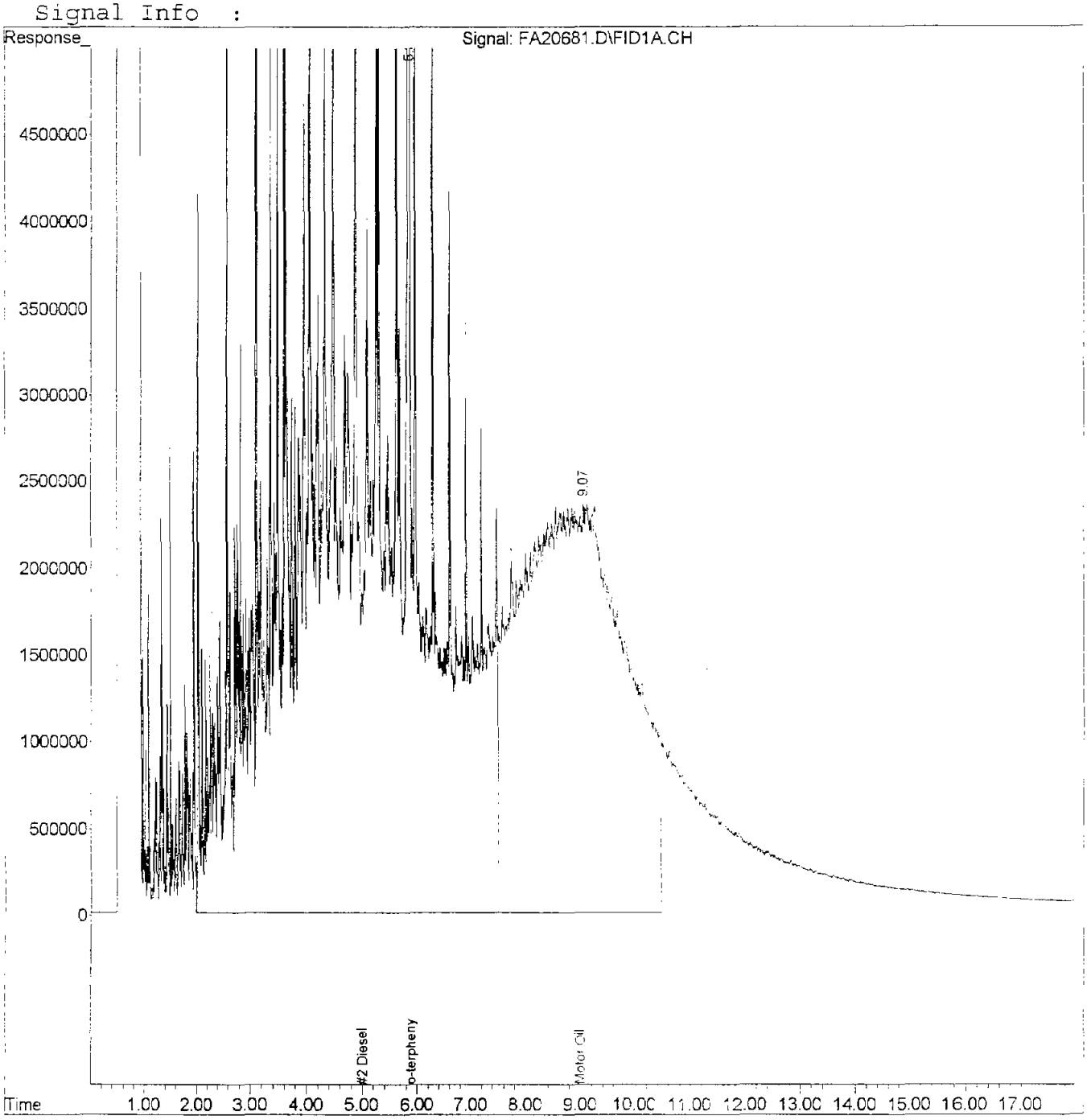
Quantitation Report (QT Reviewed)

Data File : E:\DATA\112404_A\FA20681.D
Acq On : 24 Nov 2004 12:12 pm
Sample : 1166-64-8 5000dm ical
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:55 2004 Quant Results File: NWDF112404.RES

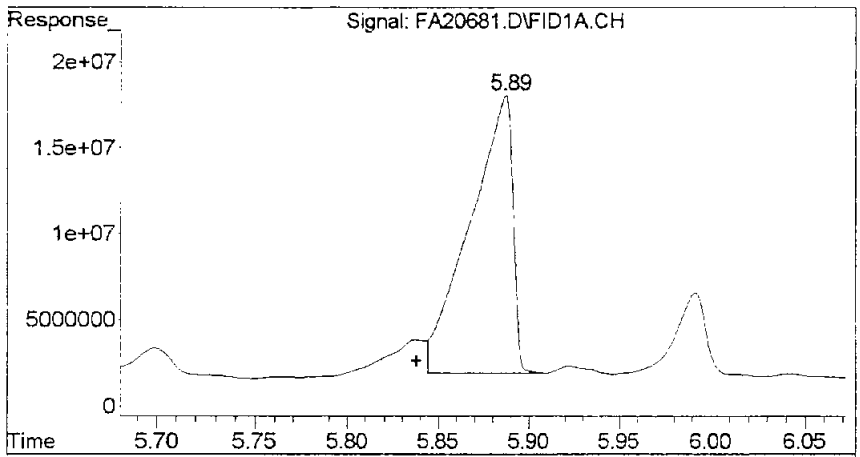
Vial: 10
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

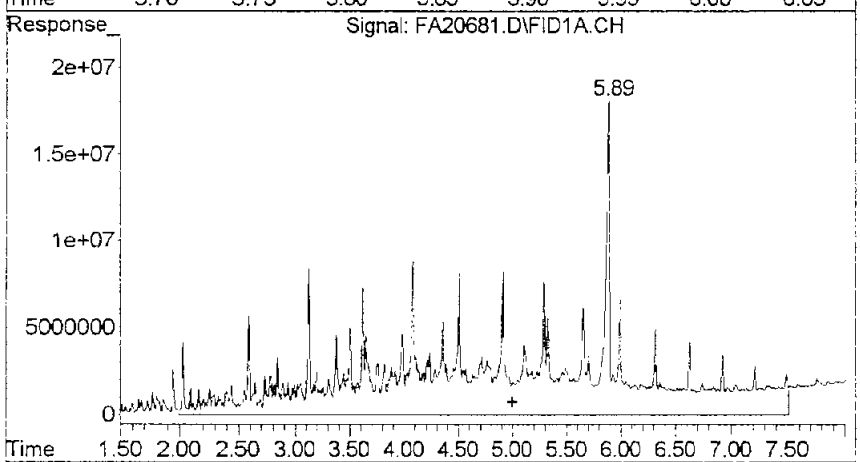


01512



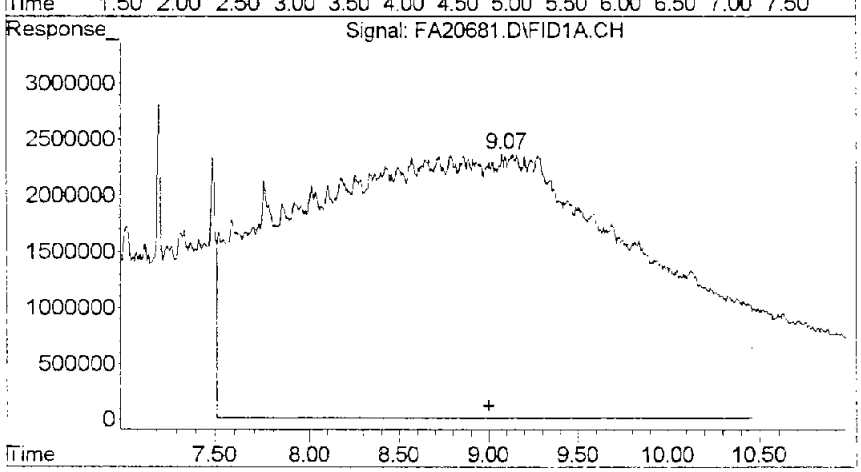
#1 o-terphenyl (S)

R.T.: 5.887 min
Delta R.T.: 0.049 min
Response: 264889669
Conc: 183.05 ng/ul m



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 6531044117
Conc: 5017.15 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 3242486389
Conc: 4984.20 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20682.D Vial: 11
Acq On : 24 Nov 2004 12:34 pm Operator: RBF
Sample : 1166-64-9 1000dm icv Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 24 12:53:06 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.85	58731644	40.585 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	1218431085	932.874 ng/ul
3) H Motor Oil	9.00	692180709	1041.464 ng/ul

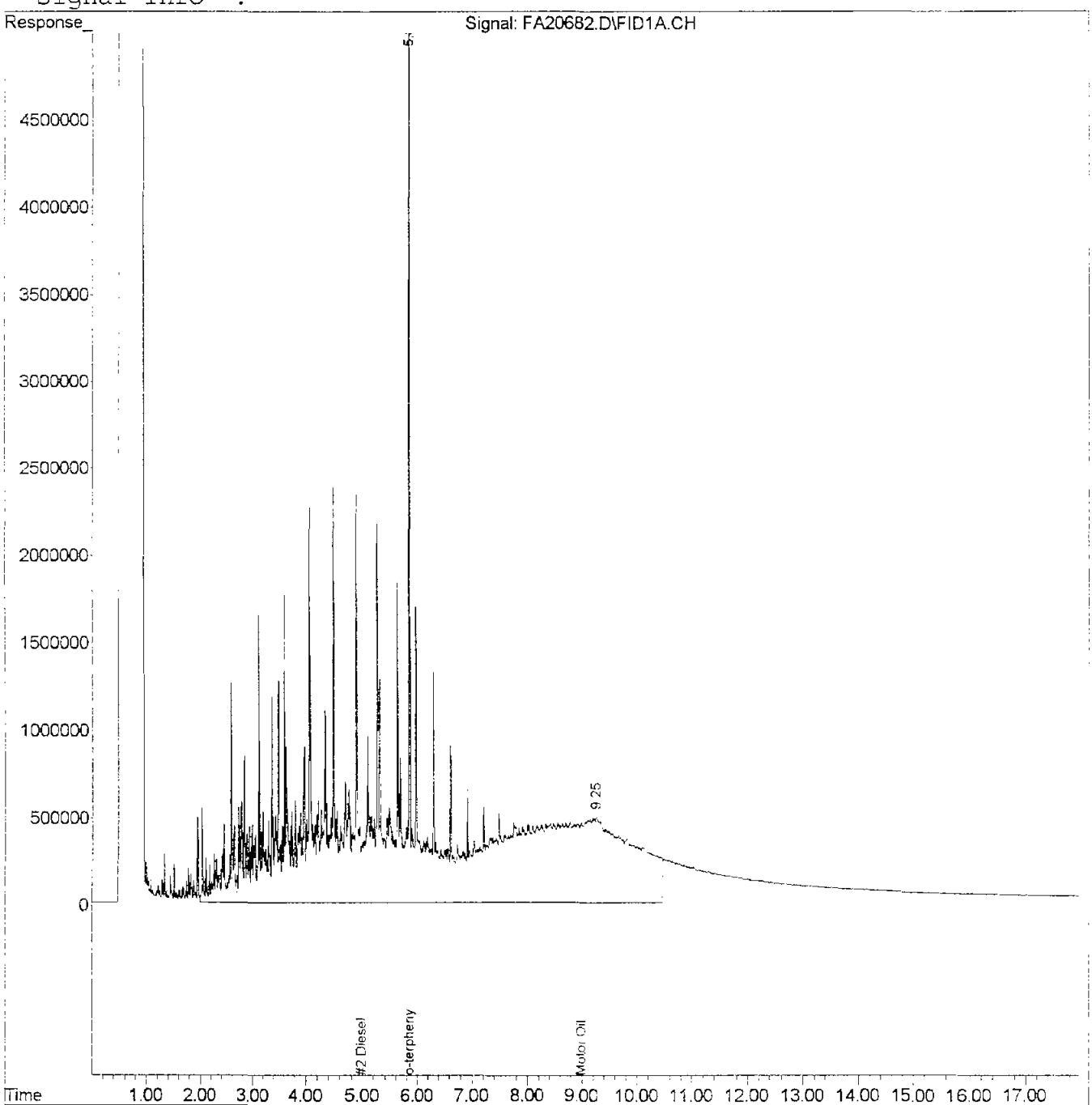
Quantitation Report (Not Reviewed)

Data File : E:\DATA\112404_A\FA20682.D
Acq On : 24 Nov 2004 12:34 pm
Sample : 1166-64-9 1000dm icv
Misc :
IntFile : EVENTS.E
Quant Time: Nov 24 12:53 2004 Quant Results File: NWDF112404.RES

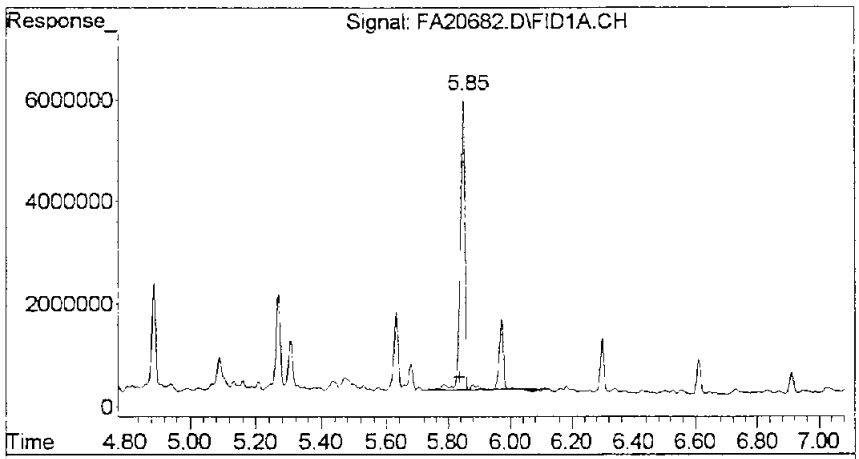
Vial: 11
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

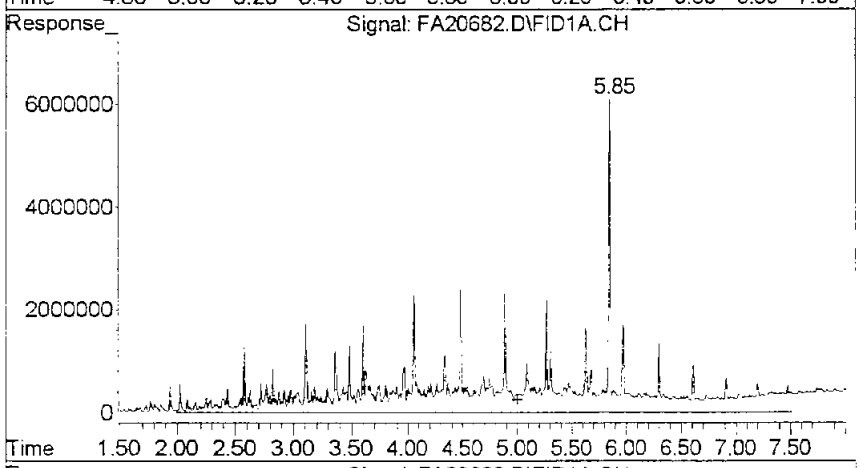


01515



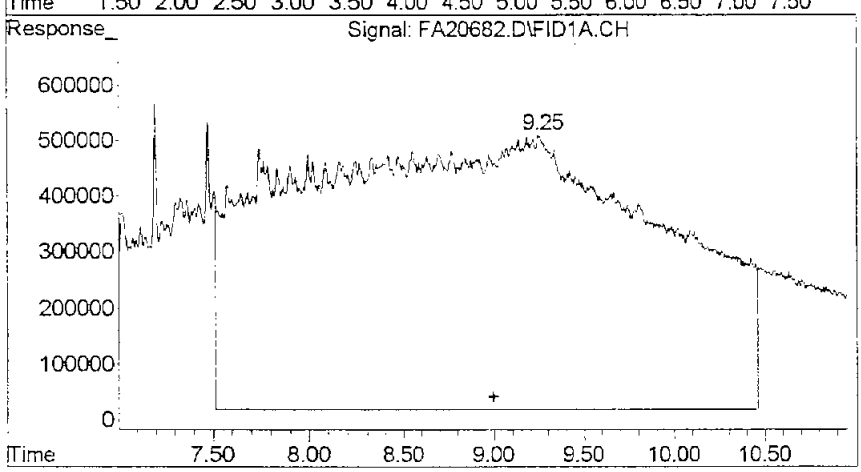
#1 o-terphenyl (S)

R.T.: 5.850 min
Delta R.T.: 0.012 min
Response: 58731644
Conc: 40.59 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 1218431085
Conc: 932.87 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 692180709
Conc: 1041.46 ng/ul m

Evaluate Continuing Calibration Report

Data File : E:\DATA\112404_A\FA20682.D
Acq On : 24 Nov 2004 12:34 pm
Sample : 1166-64-9 1000dm icv
Misc :
IntFile : EVENTS.E

Vial: 11
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	o-terphenyl (S)	40.000	40.585	-1.5	115	0.01
2	H	#2 Diesel	1000.000	932.874	6.7	102	0.00
3	H	Motor Oil	1000.000	1041.464	-4.1	104	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

FA20682.D NWDF112404.M Wed Nov 24 12:57:25 2004 FUELS Page 1

CONTINUING CALIBRATION

01518

Injection Log

Directory: G:\DATA\113004_A

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	Ep14814.d	1.	rinse		30 Nov 2004 08:32
2	1	Ep14815.d	1.	rinse		30 Nov 2004 08:58
3	2	Ep14816.d	1.	1166-61-8 n-alkane rt std		30 Nov 2004 09:25
4	3	Ep14817.d	1.	1166-64-10 1000dm ccal		30 Nov 2004 09:51
5	4	Ep14818.d	1.	ds1353 mb #10 &10 sio2		30 Nov 2004 16:19
6	5	Ep14819.d	1.	ds1353 bs #10 &10 sio2		30 Nov 2004 16:45
7	6	Ep14820.d	1.	ds1353 bsd #10 &10 sio2		30 Nov 2004 17:11
8	7	Ep14821.d	1.	125096-1 &10 sio2		30 Nov 2004 17:37
9	8	Ep14822.d	1.	125096-1 &10 sio2 dup		30 Nov 2004 18:03
10	9	Ep14823.d	1.	1166-64-10 1000dm ccal		30 Nov 2004 18:29
11	10	Ep14824.d	1.	ds1353 mb #10 &10		30 Nov 2004 19:00
12	11	Ep14825.d	1.	ds1353 bs #10 &10		30 Nov 2004 19:26
13	12	Ep14826.d	1.	ds1353 bsd #10 &10		30 Nov 2004 19:52
14	13	Ep14827.d	1.	125059-8 &10		30 Nov 2004 20:18
15	14	Ep14828.d	1.	125059-10 &10		30 Nov 2004 20:44
16	15	Ep14829.d	1.	125059-12 &10		30 Nov 2004 21:10
17	16	Ep14830.d	1.	125059-12 &10 dup		30 Nov 2004 21:36
18	17	Ep14831.d	1.	125059-13 &10		30 Nov 2004 22:03
19	18	Ep14832.d	1.	125059-14 &10		30 Nov 2004 22:29
20	19	Ep14833.d	1.	125059-15 &10		30 Nov 2004 22:55
21	20	Ep14834.d	1.	125059-15 &10 ms		30 Nov 2004 23:27
22	21	Ep14835.d	1.	125059-15 &10 msd		30 Nov 2004 23:59
23	22	Ep14836.d	1.	125059-16 &10		1 Dec 2004 00:31
24	23	Ep14837.d	1.	1166-64-10 1000dm ccal		1 Dec 2004 01:02
25	24	Ep14838.d	1.	ds1352 mb #10 &10		1 Dec 2004 01:34
26	25	Ep14839.d	1.	ds1352 bs #10 &10		1 Dec 2004 02:00
27	26	Ep14840.d	1.	ds1352 bsd #10 &10		1 Dec 2004 02:27
28	27	Ep14841.d	1.	125060-3 &10		1 Dec 2004 02:53
29	28	Ep14842.d	1.	125060-6 &10		1 Dec 2004 03:20
30	29	Ep14843.d	1.	125060-6 &10 dup		1 Dec 2004 03:46
31	30	Ep14844.d	1.	125060-8 &10		1 Dec 2004 04:12
32	31	Ep14845.d	1.	125060-8 &10 ms		1 Dec 2004 04:39
33	32	Ep14846.d	1.	125060-8 &10 msd		1 Dec 2004 05:05
34	33	Ep14847.d	1.	125060-4 &10		1 Dec 2004 05:31
35	34	Ep14848.d	1.	1166-64-10 1000dm ccal		1 Dec 2004 06:03

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14816.D Vial: 2
Acq On : 30 Nov 2004 9:25 Operator: jda
Sample : 1166-61-8 n-alkane rt std Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 30 10:09 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Mon Nov 29 13:05:55 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

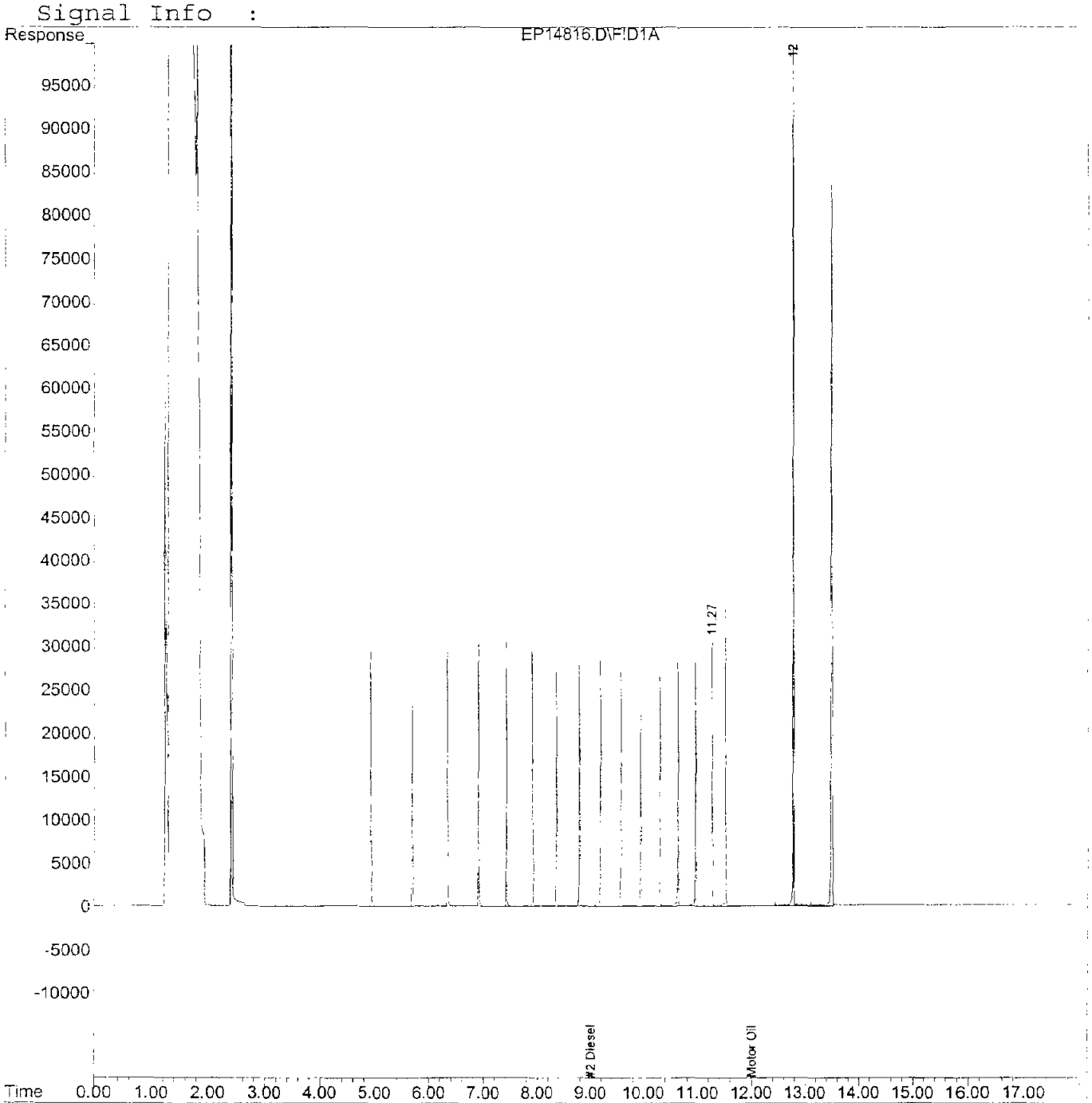
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
2) H #2 Diesel	9.00	3933176	144.186 ng/ul
3) H Motor Oil	12.00	2756619	171.744 ng/ul

Quantitation Report (Not Reviewed)

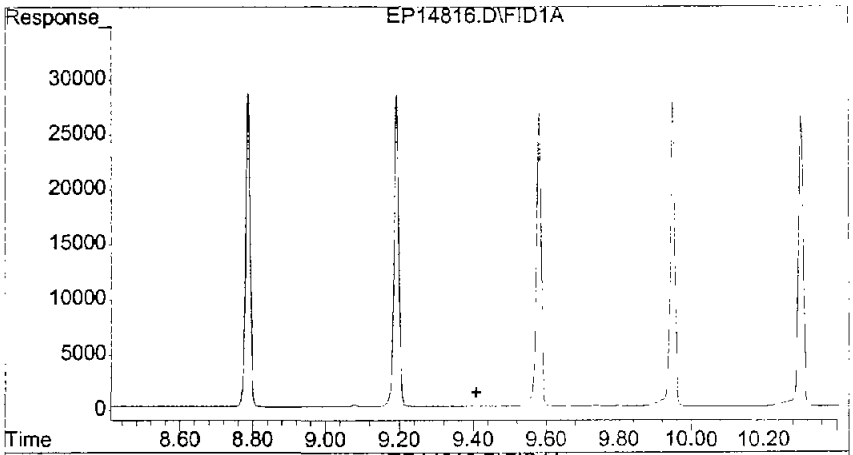
Data File : G:\DATA\113004_A\EP14816.D Vial: 2
Acq On : 30 Nov 2004 9:25 Operator: jda
Sample : 1166-61-8 n-alkane rt std Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 30 10:09 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Mon Nov 29 13:05:55 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

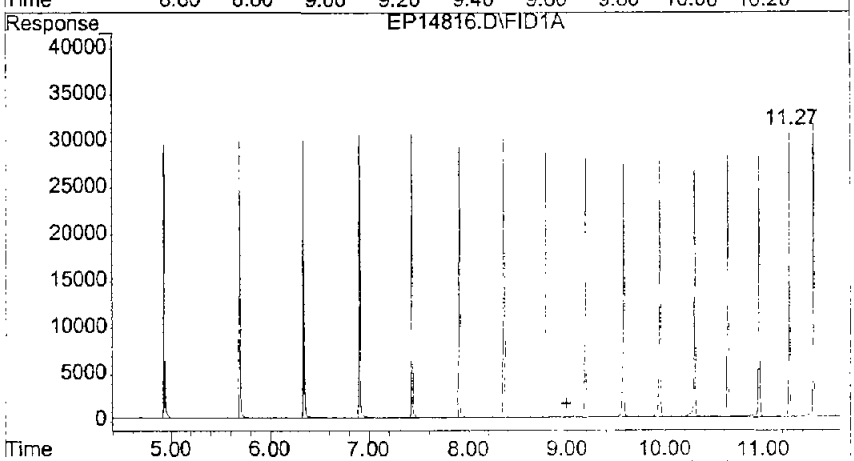


01521



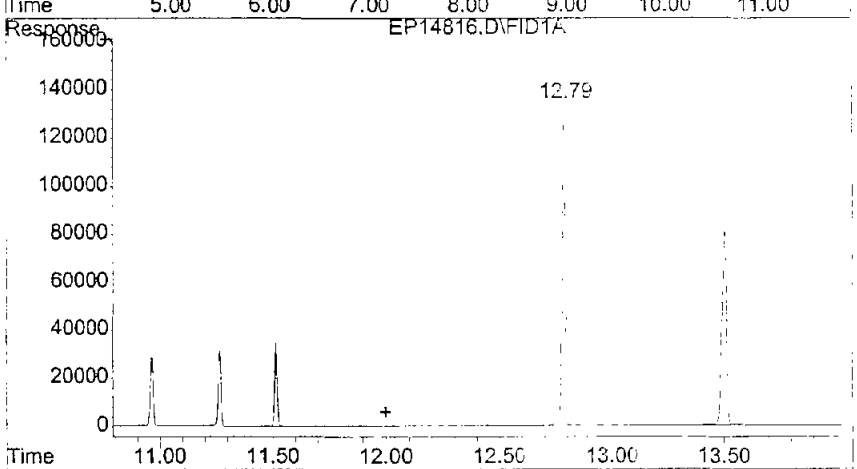
#1 o-terphenyl (S)

R.T.: 0.000 min
Exp R.T. : 9.407 min
Response: 0
Conc: N.D.



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 3933176
Conc: 144.19 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 2756619
Conc: 171.74 ng/ul m

Evaluate Continuing Calibration Report

Data File : G:\DATA\113004_A\EP14816.D Vial: 2
Acq On : 30 Nov 2004 9:25 Operator: jda
Sample : 1166-61-8 n-alkane rt std Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
2	H	#2 Diesel	1000.400	144.186	85.6#	15	0.00
3	H	Motor Oil	1000.400	171.744	82.8#	21	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

01523

Evaluate Continuing Calibration Report - Not Founds

Data File : G:\DATA\113004_A\EP14816.D Vial: 2
Acq On : 30 Nov 2004 9:25 Operator: jda
Sample : 1166-61-8 n-alkane rt std Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	o-terphenyl (S)	40.000	0.000	100.0#	0	-9.41#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

476089

01524

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14817.D
Vial: 3
Acq On : 30 Nov 2004 9:51
Operator: jda
Sample : 1166-64-10 1000dm ccal
Inst : SEA016
Misc :
Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 30 10:14 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
1)	S	o-terphenyl (S)	9.42	1058942	36.449	ng/ul
Target Compounds						
2)	H	#2 Diesel	9.00	24951390	930.415	ng/ul
3)	H	Motor Oil	12.00	14490599	1022.449	ng/ul

(f)=RT Delta > 1/2 Window 47091 (m)=manual int.
EP14817.D NWDF1116.M Wed Dec 01 08:31:47 2004 Page 1

01525

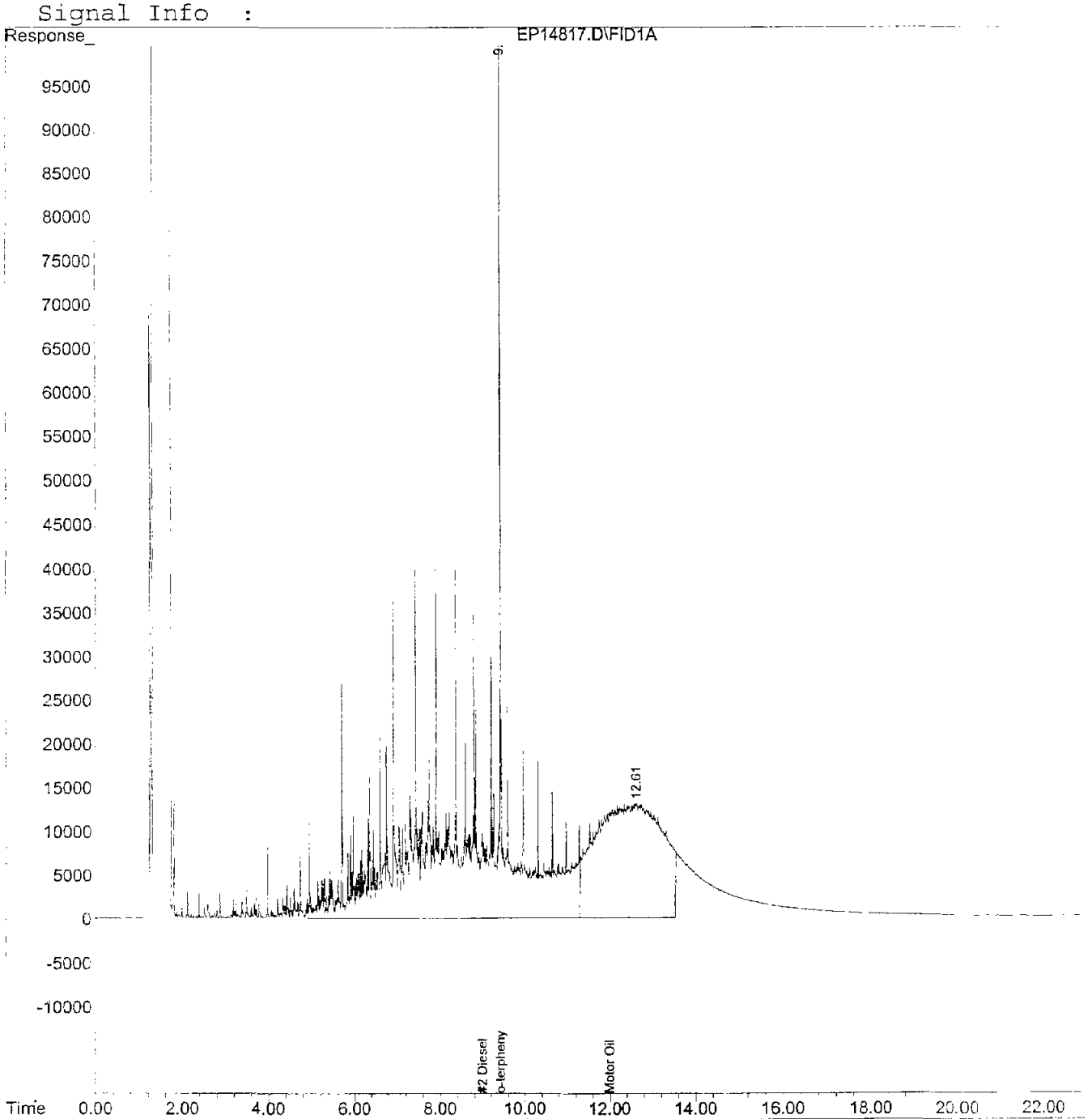
Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14817.D
Acq On : 30 Nov 2004 9:51
Sample : 1166-64-10 1000dm ccal
Misc :
IntFile : EVENTS.E
Quant Time: Nov 30 10:14 2004 Quant Results File: NWDF1116.RES

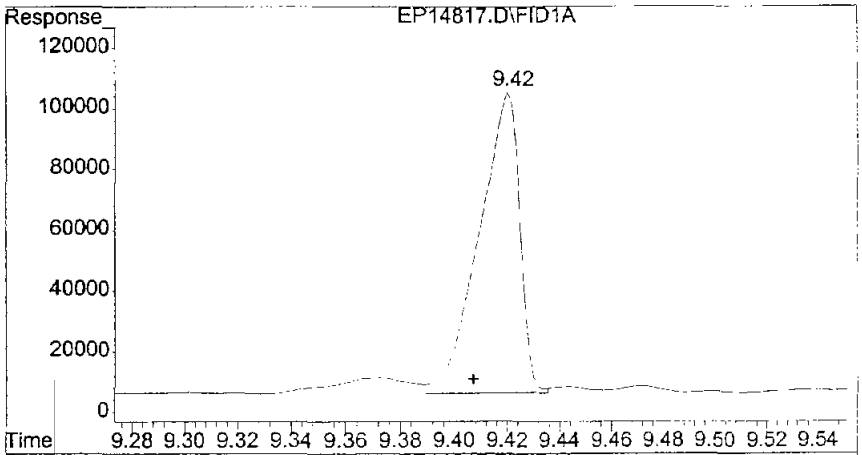
Vial: 3
Operator: jda
Inst : SEA016
Multiplr: 1.00

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

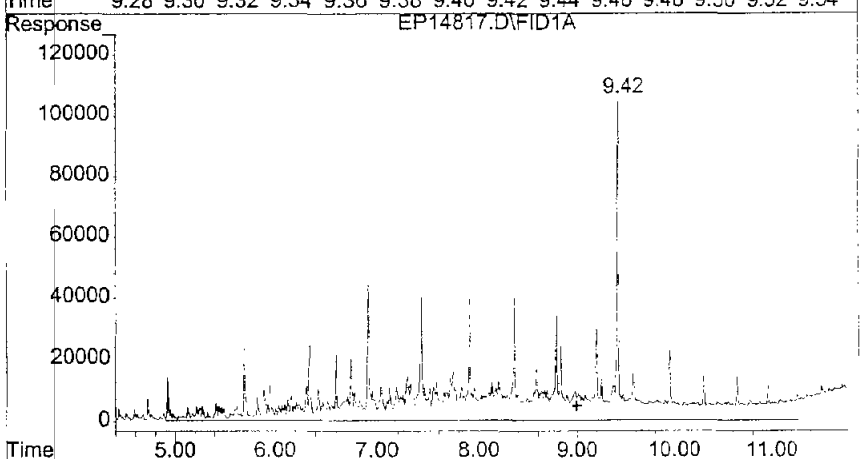


01526



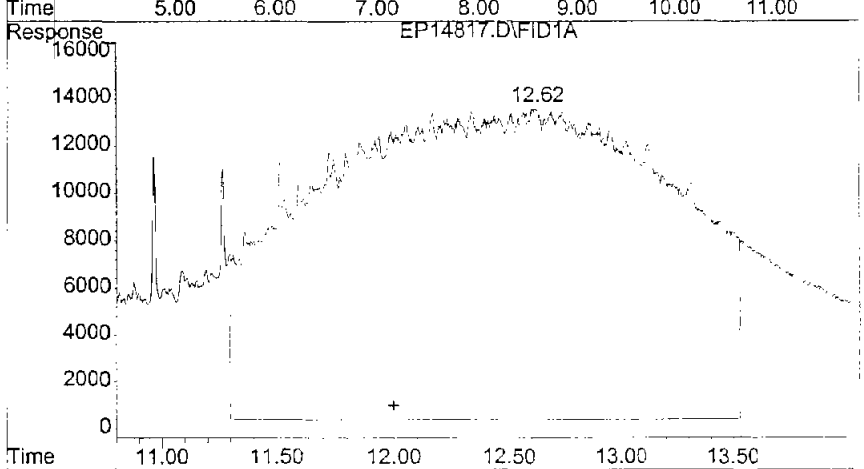
#1 o-terphenyl (S)

R.T.: 9.421 min
Delta R.T.: 0.013 min
Response: 1058942
Conc: 36.45 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 24951390
Conc: 930.41 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 14490599
Conc: 1022.45 ng/ul m

01527

Evaluate Continuing Calibration Report

Data File : G:\DATA\113004_A\EP14817.D Vial: 3
Acq On : 30 Nov 2004 9:51 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	o-terphenyl (S)	40.000	36.449	8.9	89	0.01
2	H	#2 Diesel	1000.400	930.415	7.0	94	0.00
3	H	Motor Oil	1000.400	1022.449	-2.2	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report - Not Founds

Data File : G:\DATA\113004_A\EP14817.D Vial: 3
Acq On : 30 Nov 2004 9:51 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14823.D Vial: 9
Acq On : 30 Nov 2004 18:29 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 7:33 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

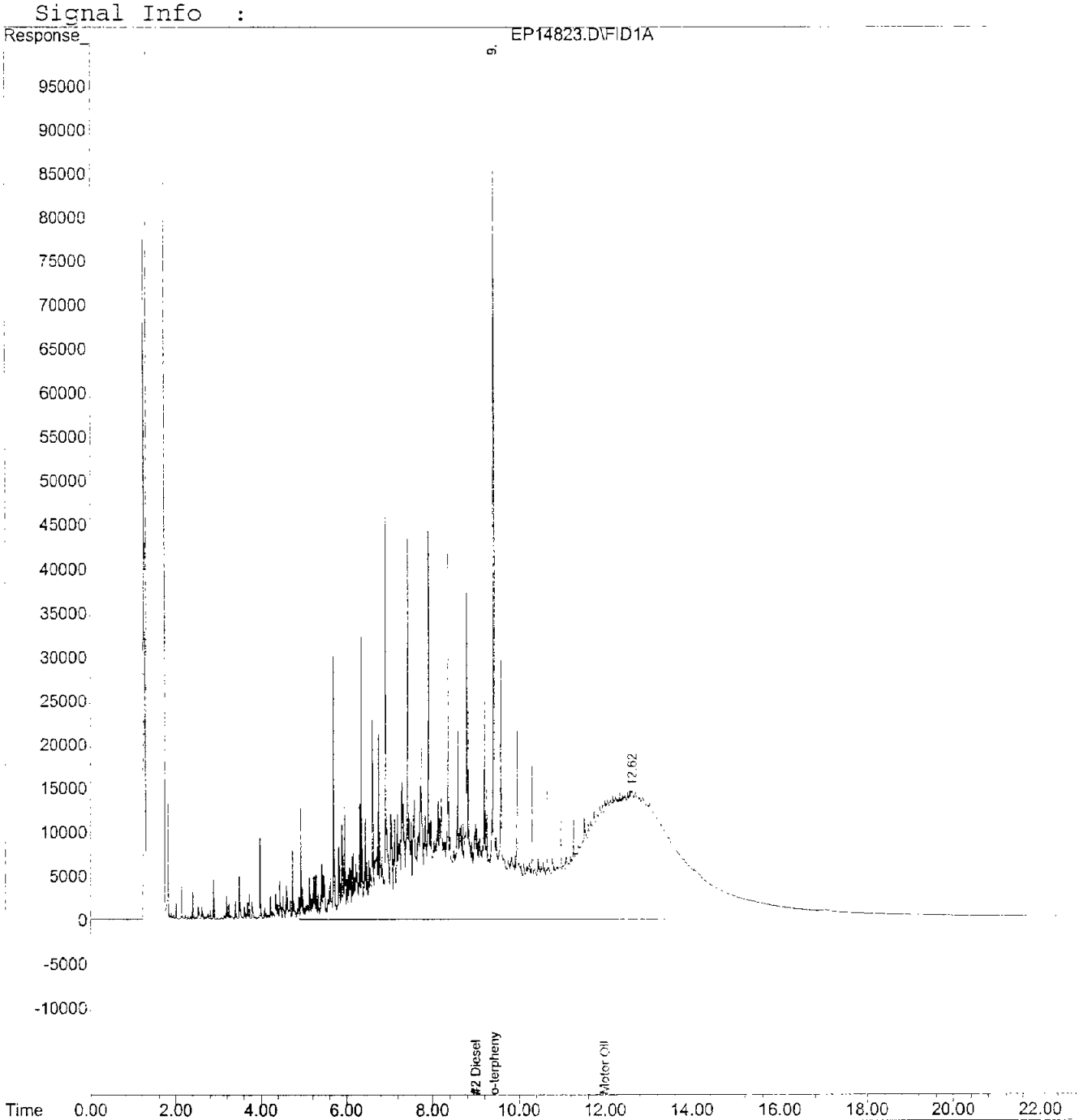
Volume Inj. :
Signal Phase :
Signal Info :

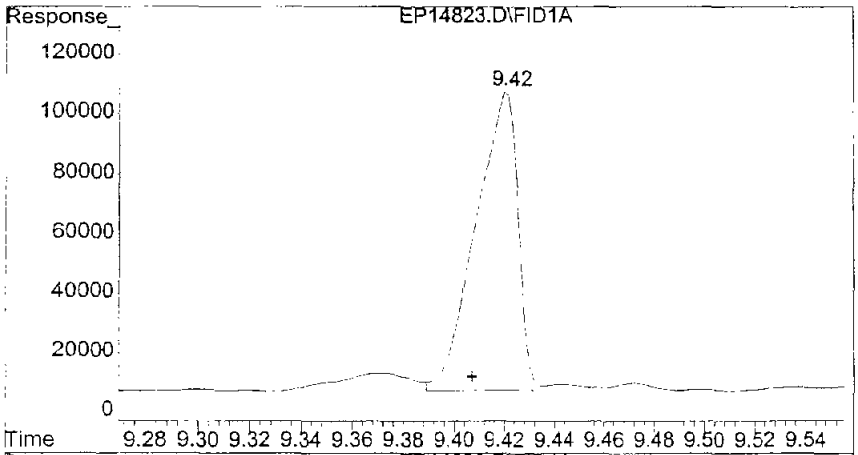
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.42	1173492	40.391 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	28005770	1044.670 ng/ul
3) H Motor Oil	12.00	16048049	1135.363 ng/ul

Data File : G:\DATA\113004_A\EP14823.D Vial: 9
Acq On : 30 Nov 2004 18:29 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 7:33 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

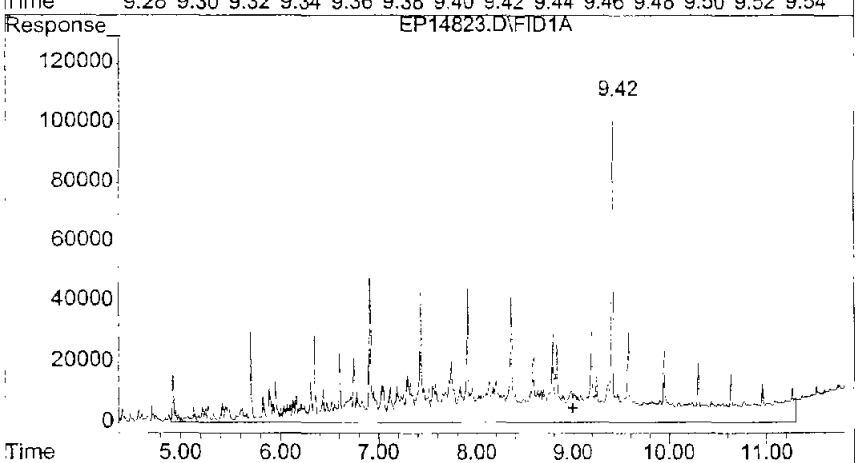
Volume Inj. :
Signal Phase :
Signal Info :





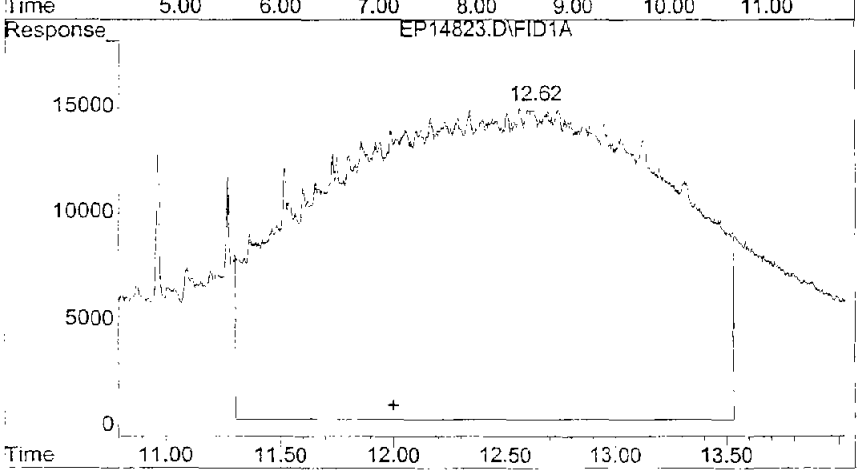
#1 o-terphenyl (S)

R.T.: 9.421 min
Delta R.T.: 0.014 min
Response: 1173492
Conc: 40.39 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 28005770
Conc: 1044.67 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 16048049
Conc: 1135.36 ng/ul m

01532

Evaluate Continuing Calibration Report

Data File : G:\DATA\113004_A\EP14823.D Vial: 9
Acq On : 30 Nov 2004 18:29 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	o-terphenyl (S)	40.000	40.391	-1.0	98	0.01
2	H	#2 Diesel	1000.400	1044.670	-4.4	106	0.00
3	H	Motor Oil	1000.400	1135.363	-13.5	122	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report - Not Founds

Data File : G:\DATA\113004_A\EP14823.D Vial: 9
Acq On : 30 Nov 2004 18:29 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14837.D Vial: 23
Acq On : 1 Dec 2004 1:02 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 7:33 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
1)	S	o-terphenyl (S)	9.42f	1112476	38.291	ng/ul
Target Compounds						
2)	H	#2 Diesel	9.00	25000185	932.240	ng/ul
3)	H	Motor Oil	12.00	14924637	1053.917	ng/ul

(f)=RT Delta > 1/2 Window (m)=manual int.

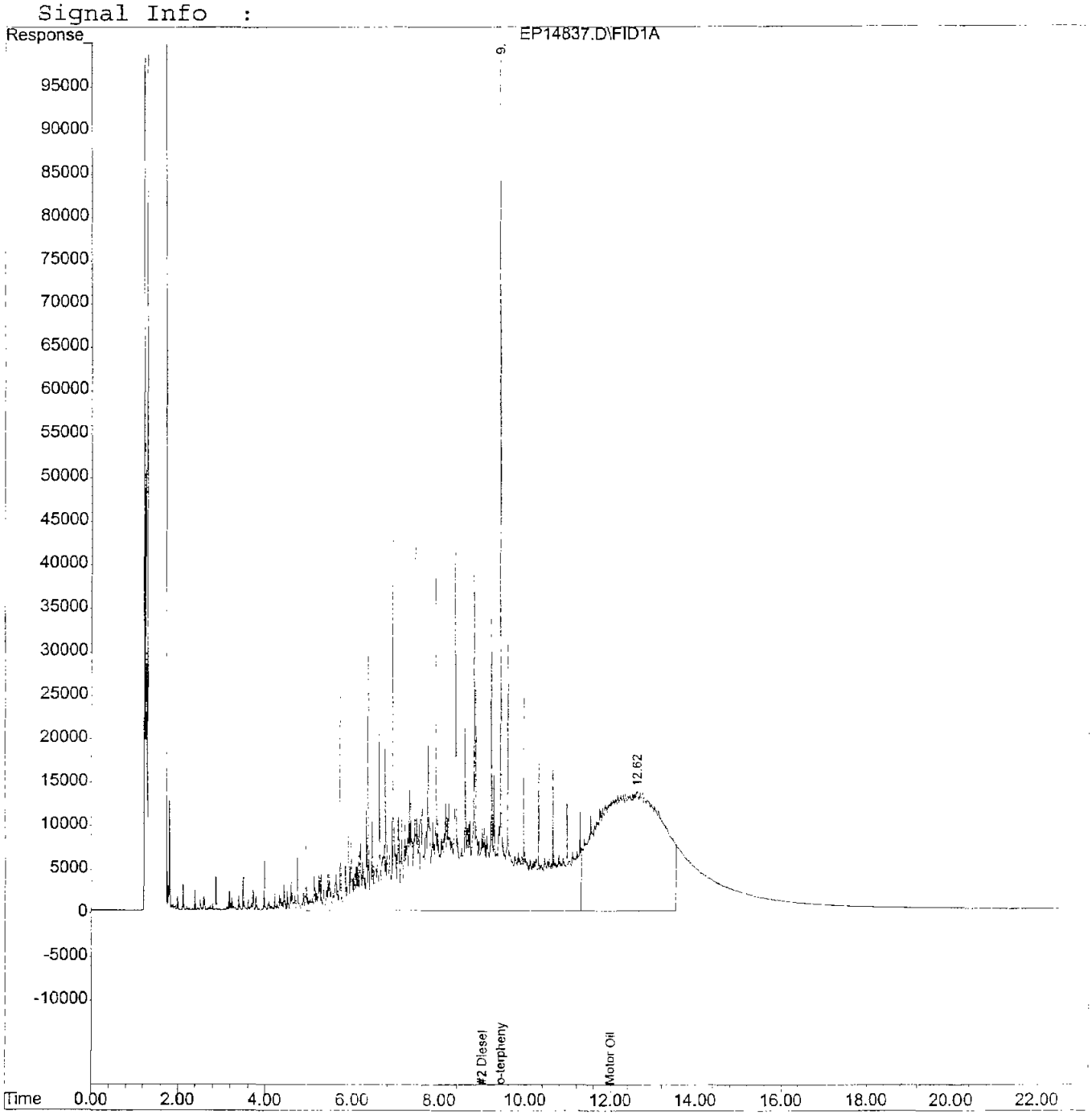
Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14837.D
Acq On : 1 Dec 2004 1:02
Sample : 1166-64-10 1000dm ccal
Misc :
IntFile : EVENTS.E
Quant Time: Dec 1 7:33 2004 Quant Results File: NWDF1116.RES

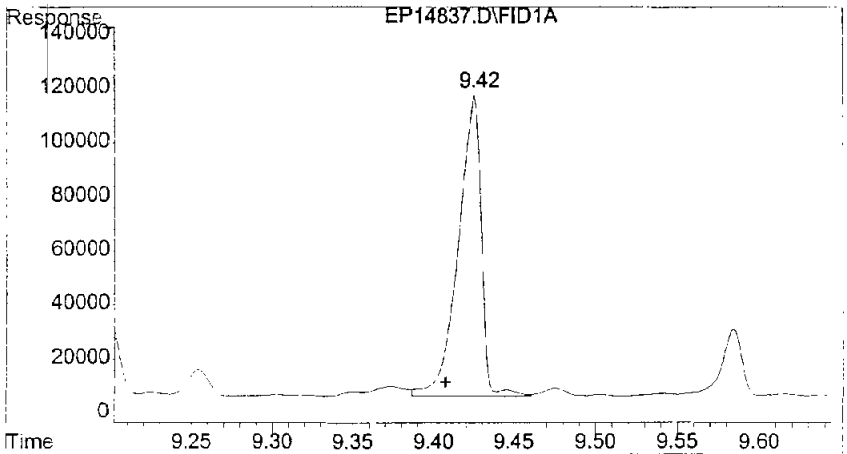
Vial: 23
Operator: jda
Inst : SEA016
Multiplr: 1.00

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

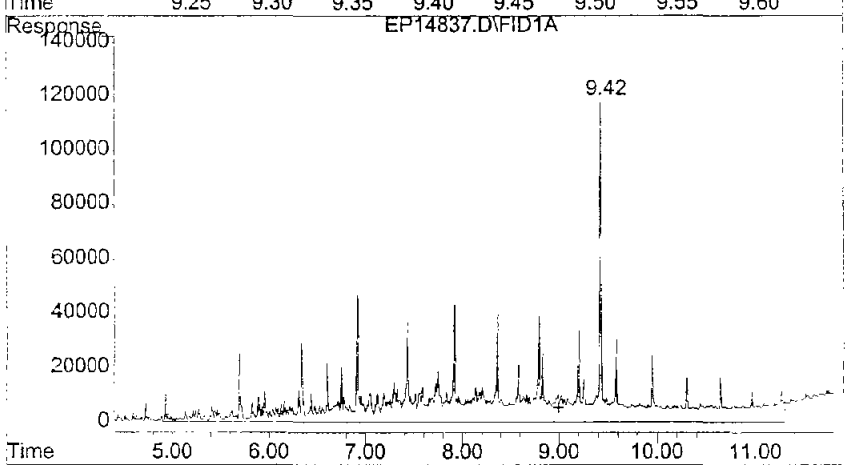


01536



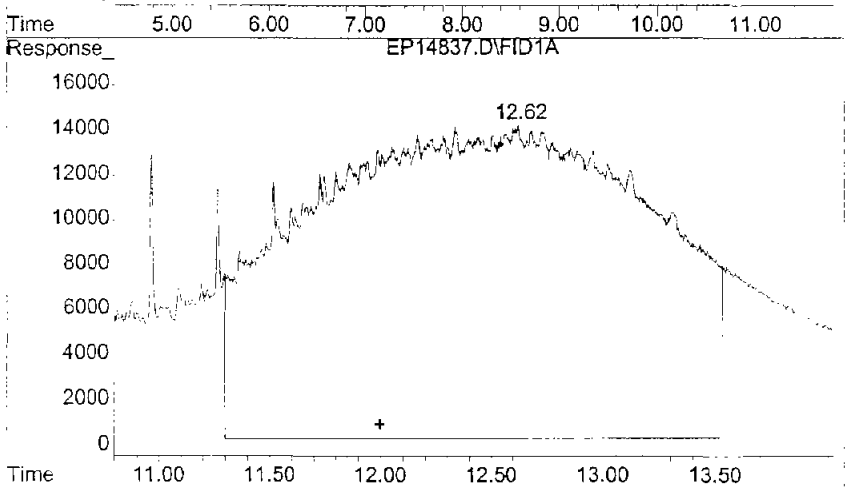
#1 o-terphenyl (S)

R.T.: 9.425 min
Delta R.T.: 0.018 min
Response: 1112476
Conc: 38.29 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 25000185
Conc: 932.24 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 14924637
Conc: 1053.92 ng/ul m

01537

Evaluate Continuing Calibration Report

Data File : G:\DATA\113004_A\EP14837.D Vial: 23
Acq On : 1 Dec 2004 1:02 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	o-terphenyl (S)	40.000	38.291	4.3	93	0.02
2	H	#2 Diesel	1000.400	932.240	6.8	95	0.00
3	H	Motor Oil	1000.400	1053.917	-5.3	113	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report - Not Found

Data File : G:\DATA\113004_A\EP14837.D Vial: 23
Acq On : 1 Dec 2004 1:02 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14848.D Vial: 34
Acq On : 1 Dec 2004 6:03 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 7:34 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

	Compound	R.T.	Response	Conc Units
System Monitoring Compounds				
1) S	o-terphenyl (S)	9.42	1013355	34.879 ng/ul
Target Compounds				
2) H	#2 Diesel	9.00	23443508	874.009 ng/ul
3) H	Motor Oil	12.00	15108091	1067.217 ng/ul

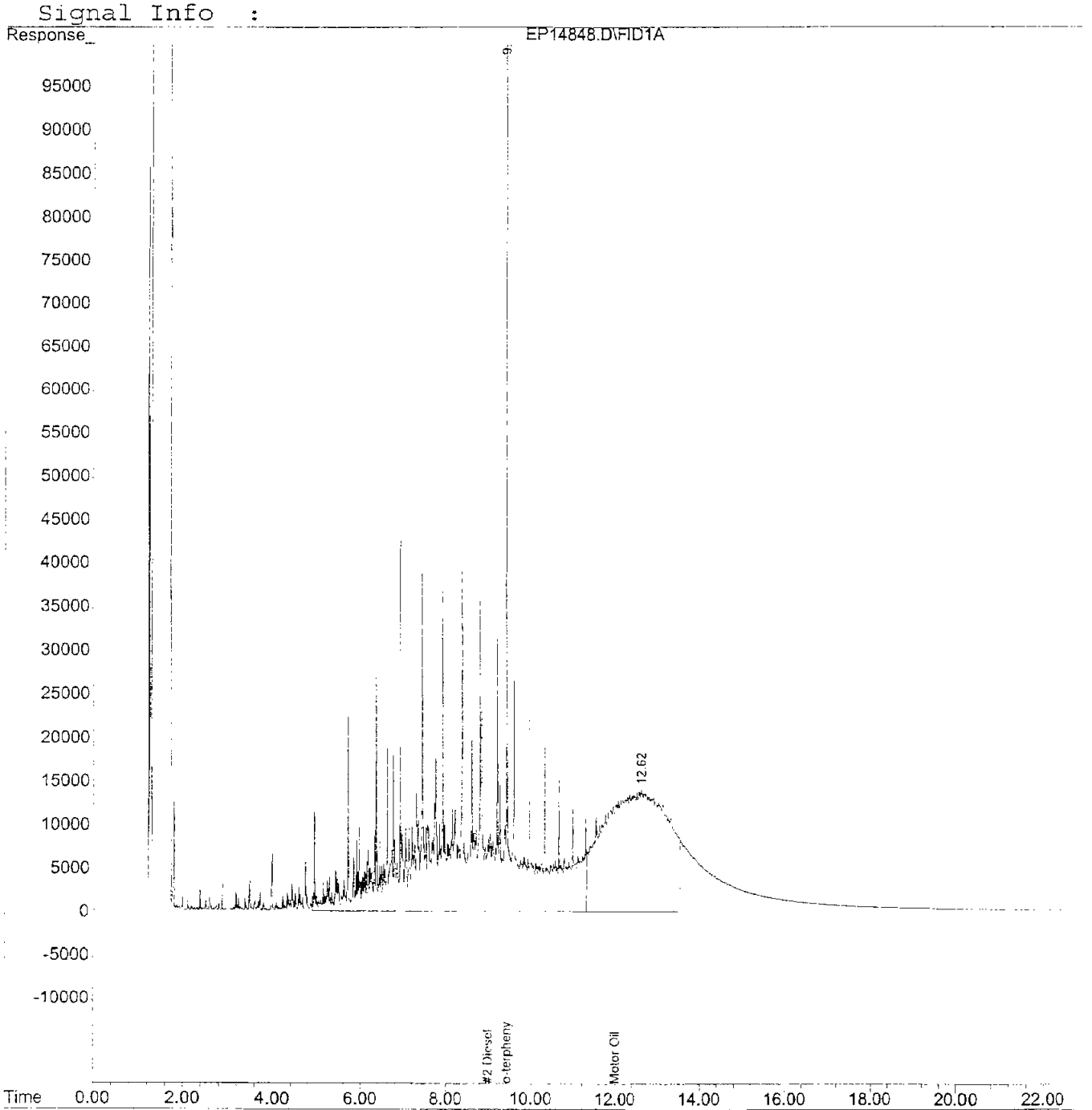
Quantitation Report (Not Reviewed)

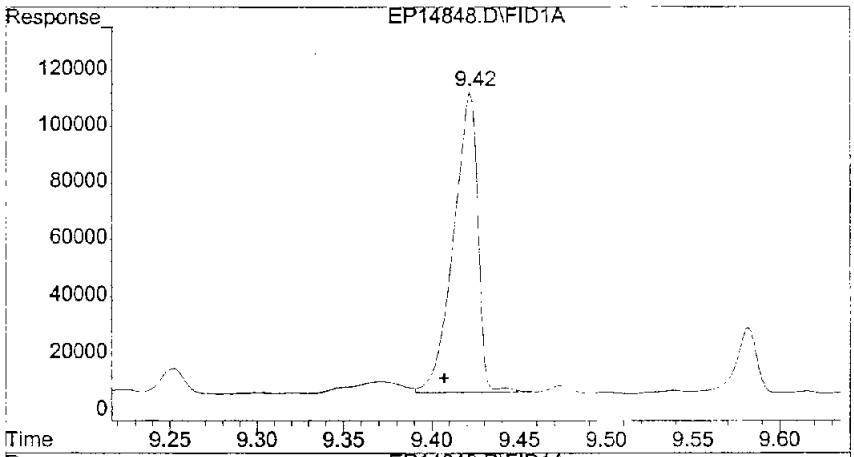
Data File : G:\DATA\113004_A\EP14848.D
Acq On : 1 Dec 2004 6:03
Sample : 1166-64-10 1000dm ccal
Misc :
IntFile : EVENTS.E
Quant Time: Dec 1 7:34 2004 Quant Results File: NWDF1116.RES

Vial: 34
Operator: jda
Inst : SEA016
Multiplr: 1.00

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

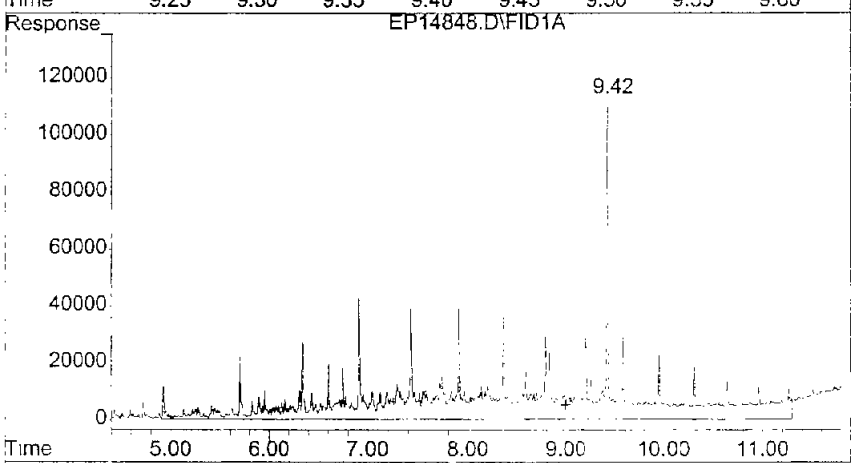
Volume Inj. :
Signal Phase :
Signal Info :





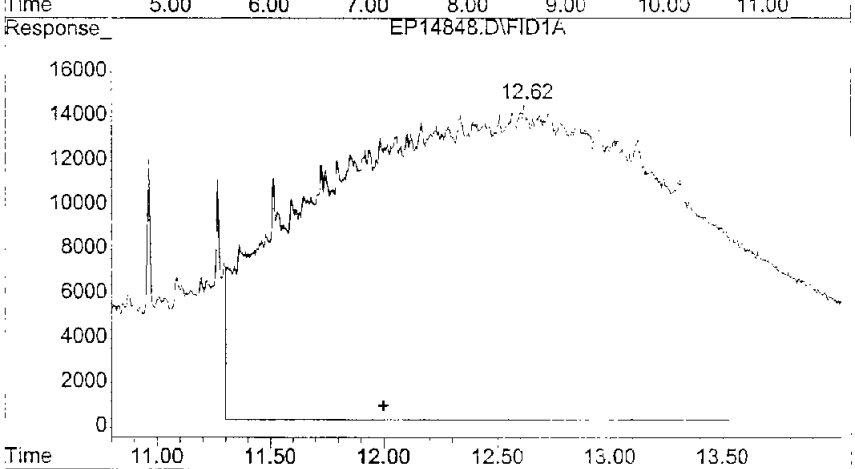
#1 o-terphenyl (S)

R.T.: 9.422 min
Delta R.T.: 0.015 min
Response: 1013355
Conc: 34.88 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 23443508
Conc: 874.01 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 15108091
Conc: 1067.22 ng/ul m

Evaluate Continuing Calibration Report

Data File : G:\DATA\113004_A\EP14848.D Vial: 34
Acq On : 1 Dec 2004 6:03 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	o-terphenyl (S)	40.000	34.879	12.8	85	0.01
2	H	#2 Diesel	1000.400	874.009	12.6	89	0.00
3	H	Motor Oil	1000.400	1067.217	-6.7	115	0.00

Evaluate Continuing Calibration Report - Not Founds

Data File : G:\DATA\113004_A\EP14848.D Vial: 34
Acq On : 1 Dec 2004 6:03 Operator: jda
Sample : 1166-64-10 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sequence Log

Directory : e:\Data\120204_a

#	Filename	Sample Name	Date/Time
1	fa20731.d	rinse	12/02/04 07:03
2	fa20732.d	1166-61-8 n-alkane rt std	12/02/04 07:20
3	fa20733.d	1166-64-10 1000md ccal	12/02/04 07:38
4	fa20734.d	dw703 mb liquid #1000 &5	12/02/04 08:01
5	fa20735.d	dw703 bs liquid #1000 &5	12/02/04 08:18
6	fa20736.d	dw703 bsd liquid #1000 &5	12/02/04 08:41
7	fa20737.d	125018-1 liquid &5	12/02/04 09:04
8	fa20738.d	125018-2 liquid &5	12/02/04 09:21
9	fa20739.d	125052-1 liquid &5 1:100	12/02/04 09:39
10	fa20740.d	125060-10 liquid &5	12/02/04 10:03
11	fa20741.d	125060-11 liquid &5	12/02/04 10:21
12	fa20742.d	125067-1 liquid &5	12/02/04 10:38
13	fa20743.d	125052-1 liquid &4 1:500	12/02/04 10:56
14	fa20744.d	1166-64-10 1000dm ccal	12/02/04 11:13

Quantitation Report (Not Reviewed)

Data File : E:\DATA\120204_A\FA20732.D Vial: 2
Acq On : 12-02-2004 07:20:55 AM Operator: RBF
Sample : 1166-61-8 n-alkane rt std Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 02 07:56:50 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
Target Compounds			
2) H #2 Diesel	5.00	229839069	172.856 ng/ul
3) H Motor Oil	9.00	162655386	222.826 ng/ul

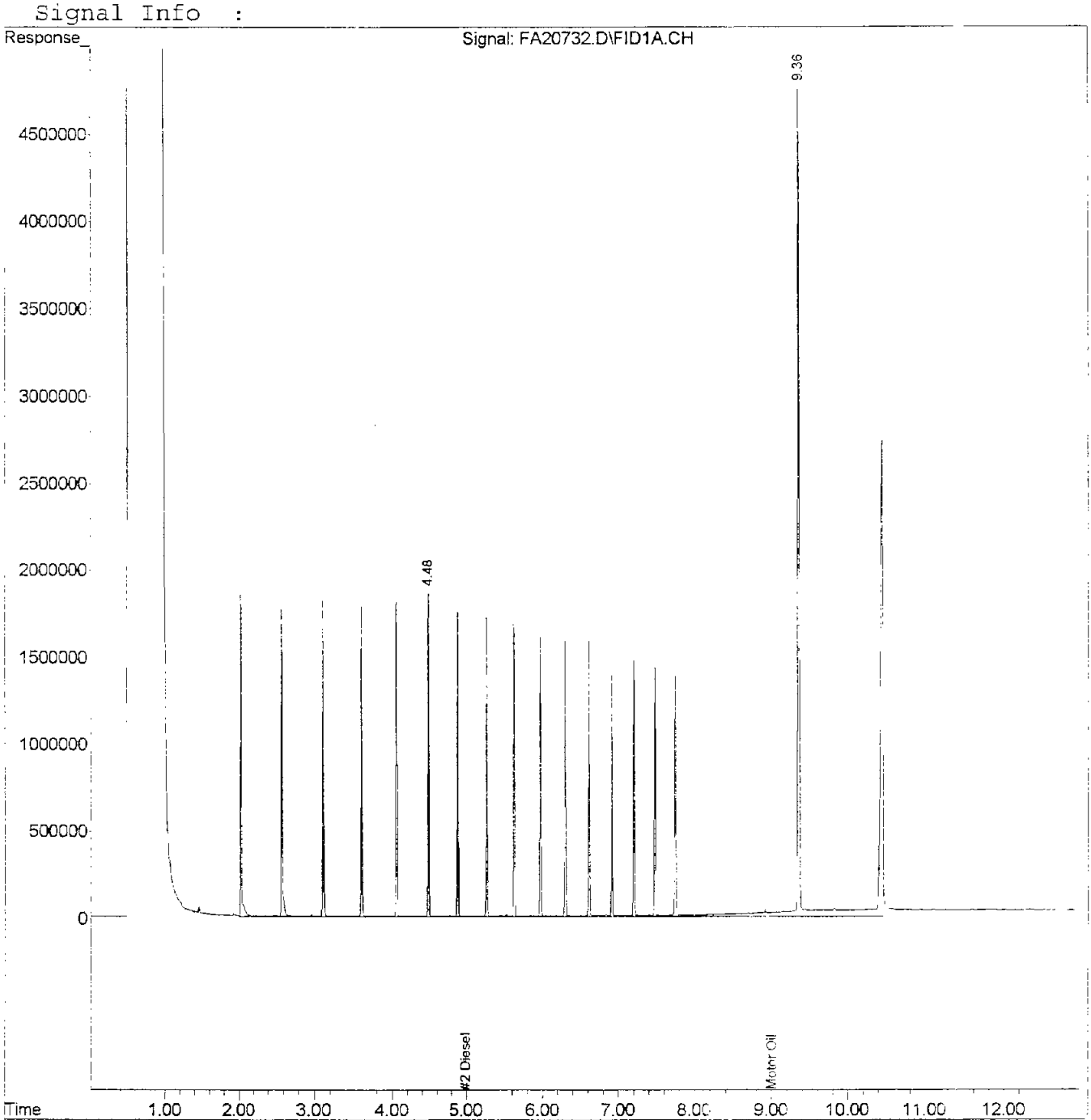
Quantitation Report (Not Reviewed)

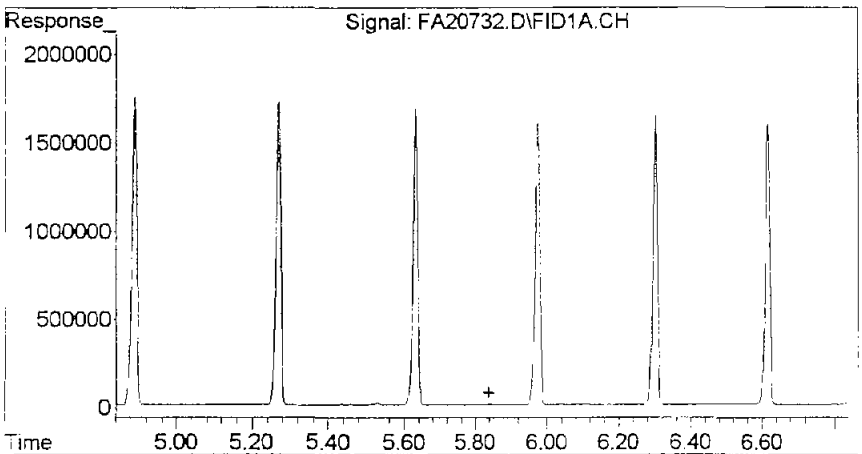
Data File : E:\DATA\120204_A\FA20732.D
Acq On : 12-02-2004 07:20:55 AM
Sample : 1166-61-8 n-alkane rt std
Misc :
IntFile : EVENTS.E
Quant Time: Dec 2 7:56 2004 Quant Results File: NWDF112404.RES

Vial: 2
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FAST.M

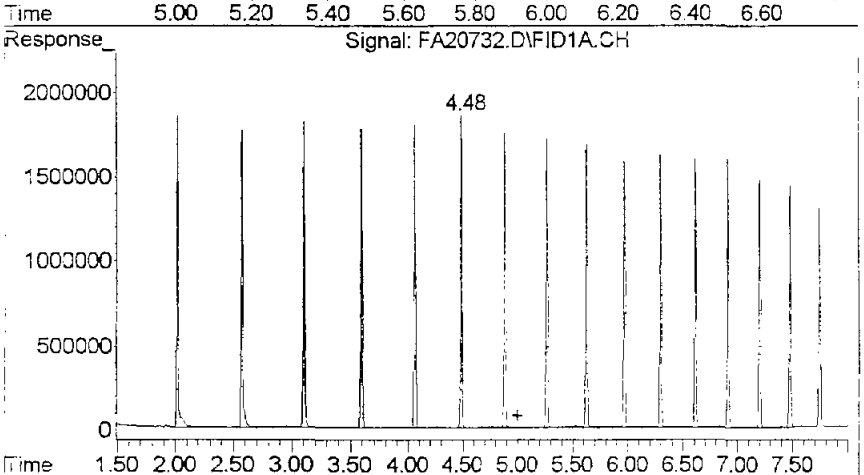
Volume Inj. :
Signal Phase :
Signal Info :





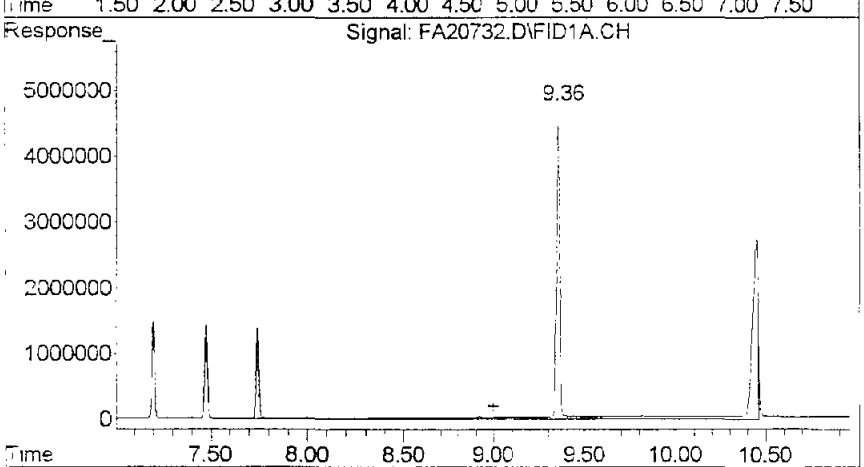
#1 o-terphenyl (S)

R.T.: 0.000 min
Exp R.T. : 5.838 min
Response: 0
Conc: N.D.



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 229839069
Conc: 172.86 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 162655386
Conc: 222.83 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\120204_A\FA20733.D Vial: 3
Acq On : 12-02-2004 07:38:23 AM Operator: RBF
Sample : 1166-64-10 1000md ccal Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 02 07:57:05 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

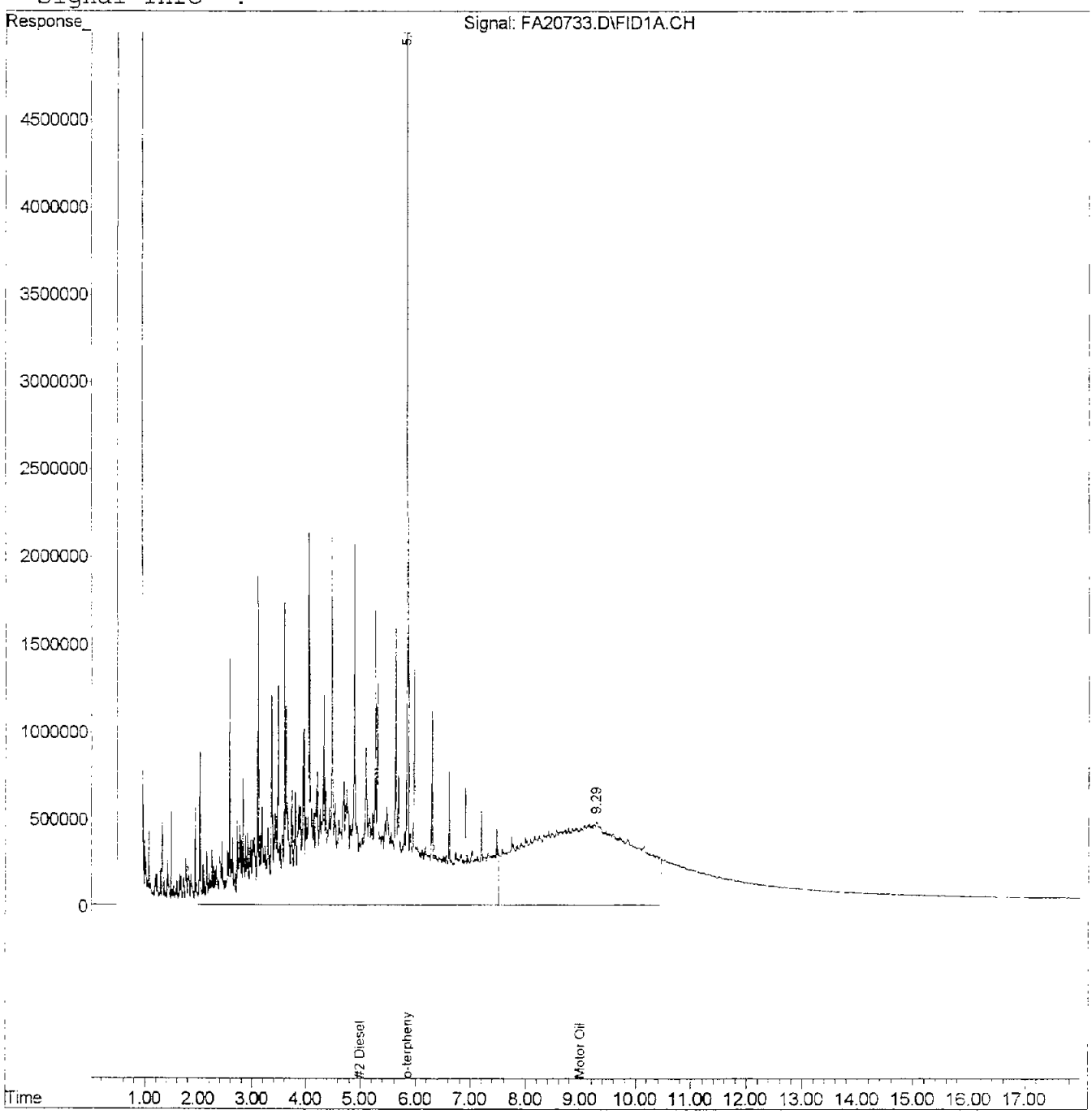
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.85	58719882	40.577 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	1259485210	964.436 ng/ul
3) H Motor Oil	9.00	660026081	991.754 ng/ul

Quantitation Report (Not Reviewed)

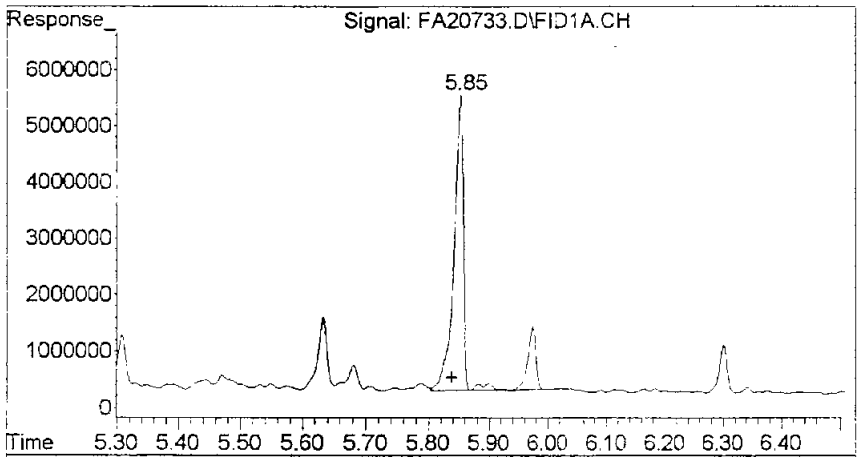
Data File : E:\DATA\120204_A\FA20733.D Vial: 3
Acq On : 12-02-2004 07:38:23 AM Operator: RBF
Sample : 1166-64-10 1000md ccal Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 2 7:57 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

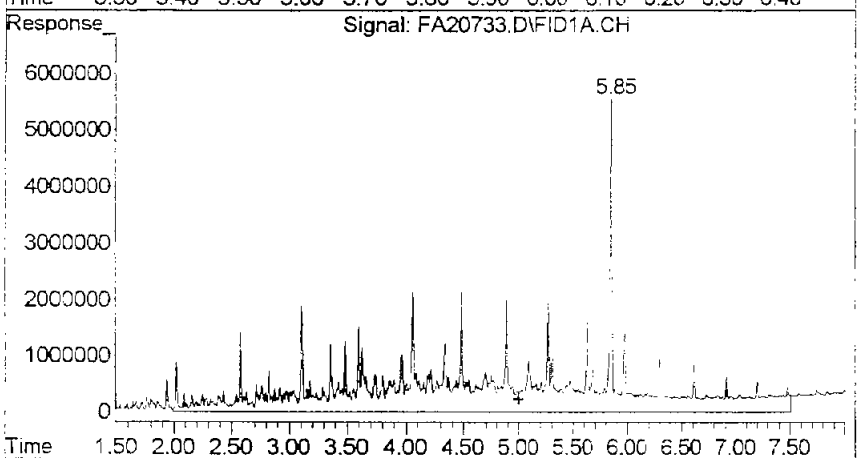


01550



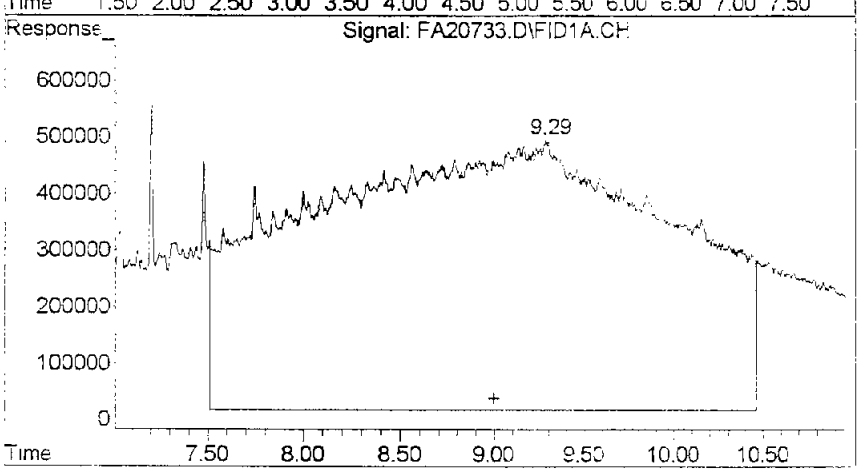
#1 o-terphenyl (S)

R.T.: 5.852 min
Delta R.T.: 0.014 min
Response: 58719882
Conc: 40.58 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 1259485210
Conc: 964.44 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 660026081
Conc: 991.75 ng/ul m

Evaluate Continuing Calibration Report

Data File : E:\DATA\120204_A\FA20733.D Vial: 3
Acq On : 12-02-2004 07:38:23 AM Operator: RBF
Sample : 1166-64-10 1000md ccal Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	o-terphenyl (S)	40.000	40.577	-1.4	114	0.01
2	H	#2 Diesel	1000.000	964.436	3.6	106	0.00
3	H	Motor Oil	1000.000	991.754	0.8	99	0.00

Evaluate Continuing Calibration Report - Not Founds

Data File : E:\DATA\120204_A\FA20733.D Vial: 3
Acq On : 12-02-2004 07:38:23 AM Operator: RBF
Sample : 1166-64-10 1000md ccal Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : E:\DATA\120204_A\FA20744.D
Acq On : 02 Dec 2004 11:13 am
Sample : 1166-64-10 1000dm ccal
Misc :
IntFile : EVENTS.E
Quant Time: Dec 02 12:25:32 2004 Quant Results File: NWDF112404.RES

Vial: 14
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.85	60129160	41.551 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	1269796395	972.364 ng/ul
3) H Motor Oil	9.00	648315872	973.650 ng/ul

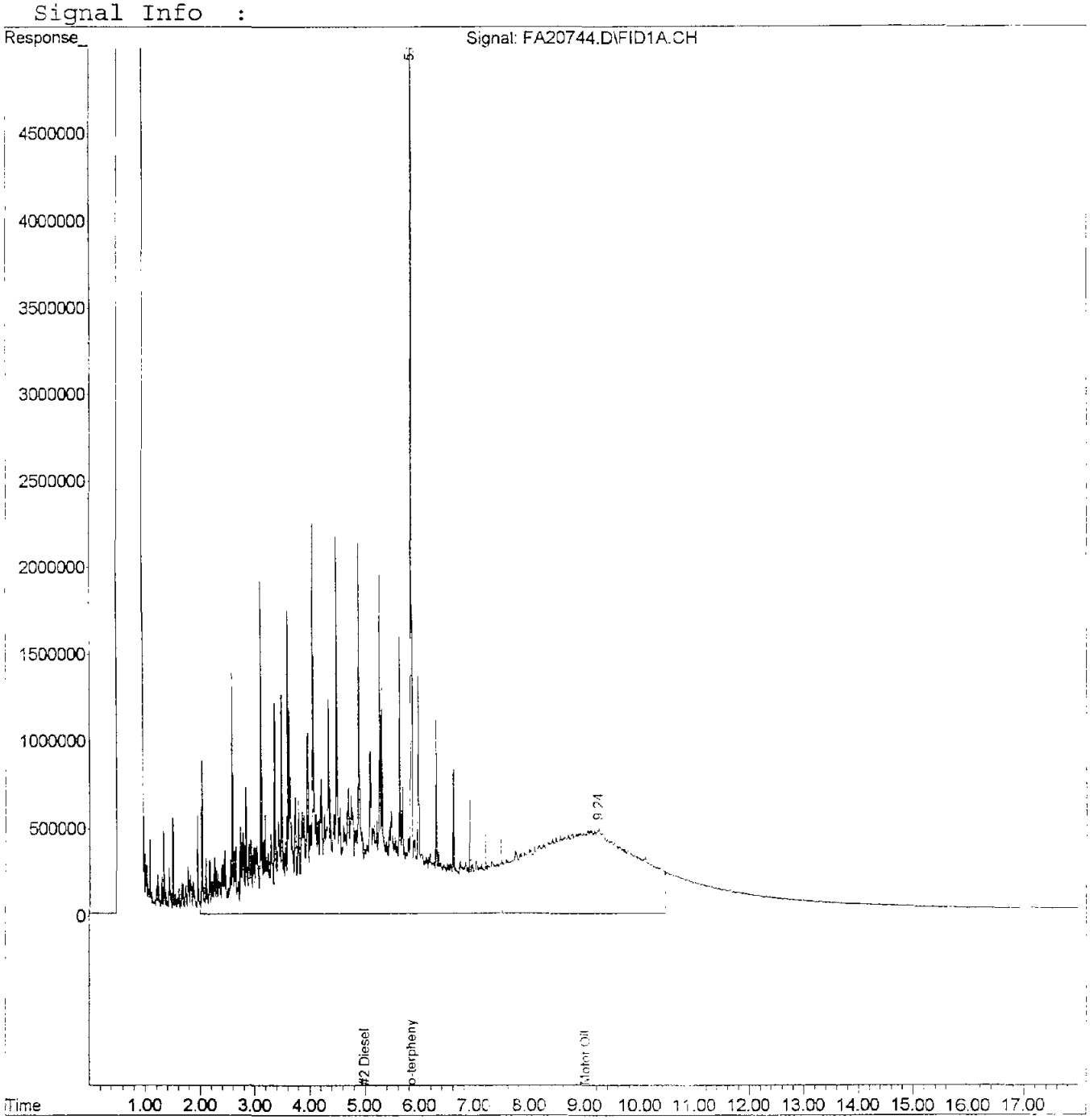
Quantitation Report (Not Reviewed)

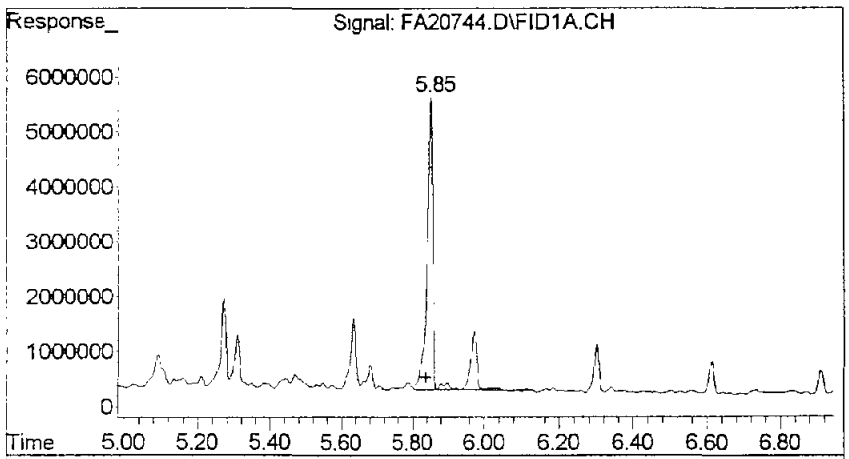
Data File : E:\DATA\120204_A\FA20744.D
Acq On : 02 Dec 2004 11:13 am
Sample : 1166-64-10 1000dm ccal
Misc :
IntFile : EVENTS.E
Quant Time: Dec 2 12:25 2004 Quant Results File: NWDF112404.RES

Vial: 14
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFAST.M

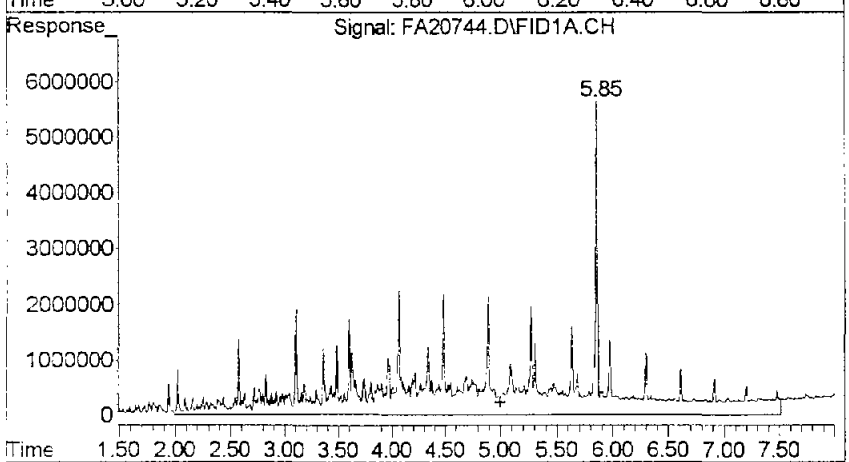
Volume Inj. :
Signal Phase :
Signal Info :





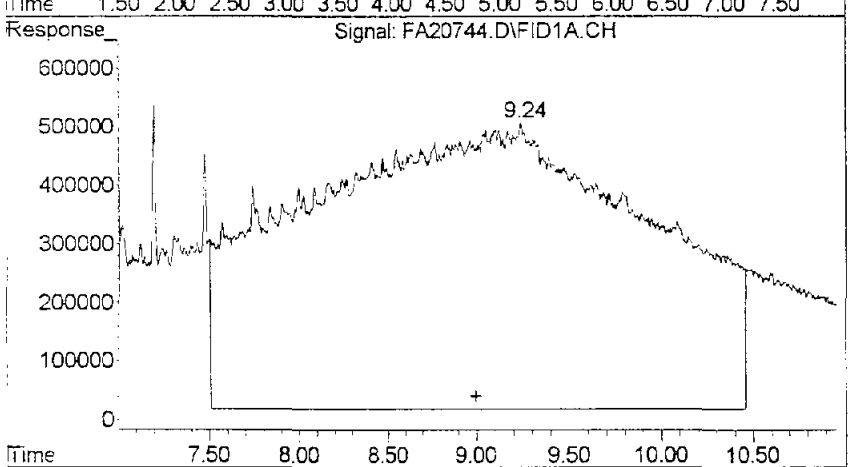
#1 o-terphenyl (S)

R.T.: 5.851 min
Delta R.T.: 0.013 min
Response: 60129160
Conc: 41.55 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 1269796395
Conc: 972.36 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 648315872
Conc: 973.65 ng/ul m

Evaluate Continuing Calibration Report

Data File : E:\DATA\120204_A\FA20744.D Vial: 14
Acq On : 02 Dec 2004 11:13 am Operator: RBF
Sample : 1166-64-10 1000dm ccal Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	S	o-terphenyl (S)	40.000	41.551	-3.9	117	0.01
2	H	#2 Diesel	1000.000	972.364	2.8	106	0.00
3	H	Motor Oil	1000.000	973.650	2.6	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report - Not Founds

Data File : E:\DATA\120204_A\FA20744.D Vial: 14
Acq On : 02 Dec 2004 11:13 am Operator: RBF
Sample : 1166-64-10 1000dm ccal Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E

Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

METHOD BLANK

01559

Quantitation Report (Not Reviewed)

Data File : G:\DATA\113004_A\EP14838.D Vial: 24
Acq On : 1 Dec 2004 1:34 Operator: jda
Sample : ds1352 mb #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:22 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

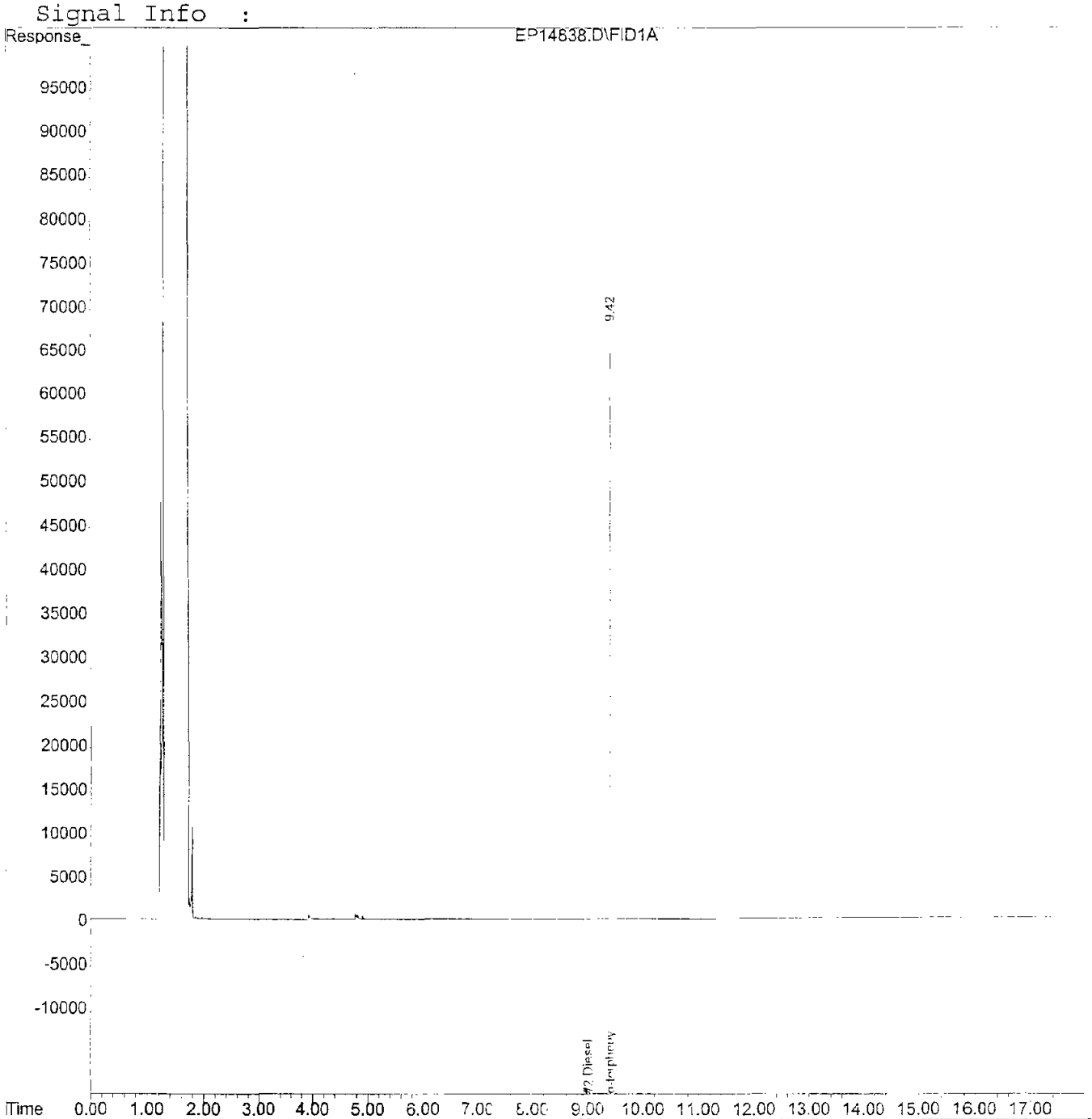
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.42	601584	20.706 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	120842	1.~~578~~ ng/ul

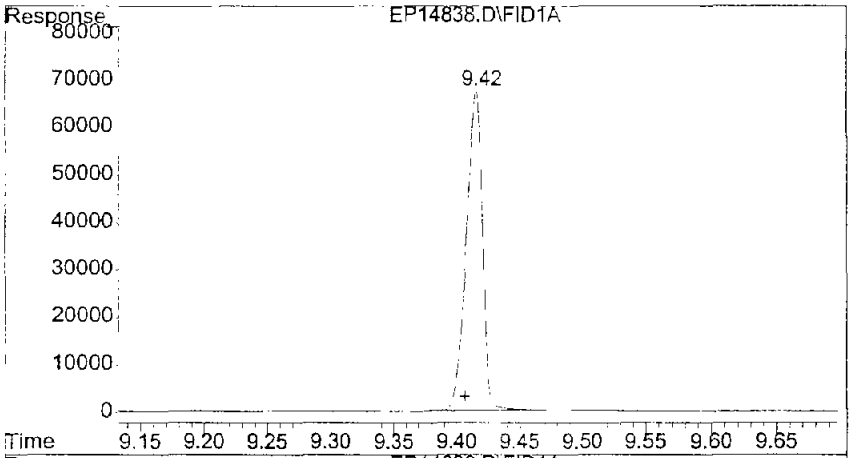
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : G:\DATA\113004_A\EP14838.D Vial: 24
Acq On : 1 Dec 2004 1:34 Operator: jda
Sample : ds1352 mb #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:22 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

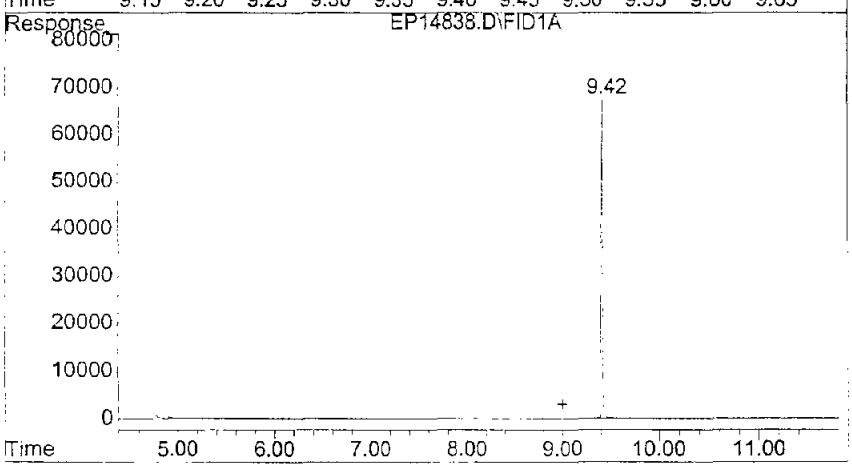
Volume Inj. :
Signal Phase :
Signal Info :





#1 o-terphenyl (S)

R.T.: 9.417 min
Delta R.T.: 0.009 min
Response: 601584
Conc: 20.71 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 120842
Conc: 1.58 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\120204_A\FA20734.D Vial: 4
Acq On : 12-02-2004 08:01:08 AM Operator: RBF
Sample : dw703 mb liquid #1000 &5 Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 02 12:23:07 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : FAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.85	57760205	39.914 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	7021144	1.556 ng/ul
3) H Motor Oil	9.00	37282079	29.001 ng/ul

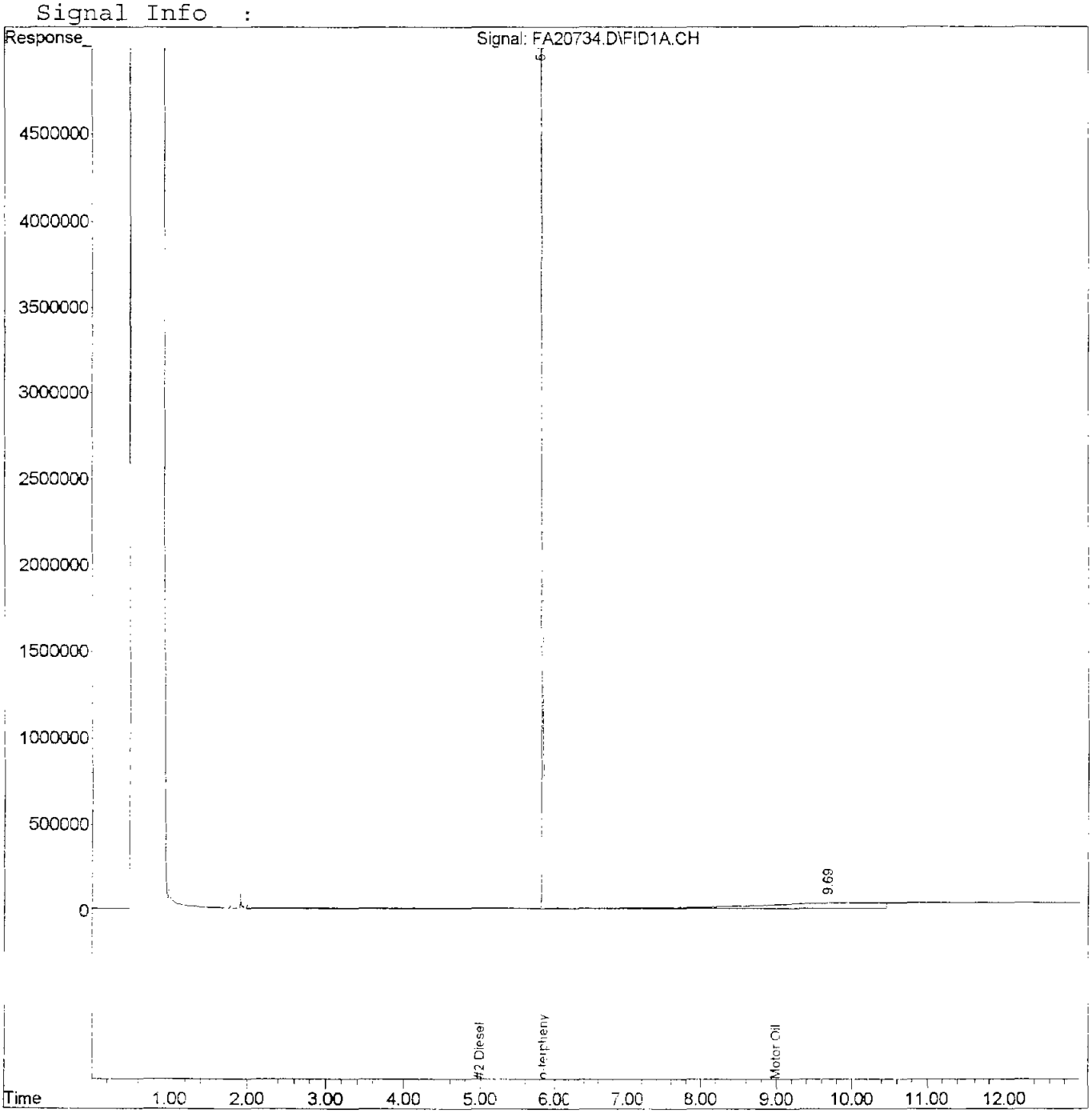
Quantitation Report (Not Reviewed)

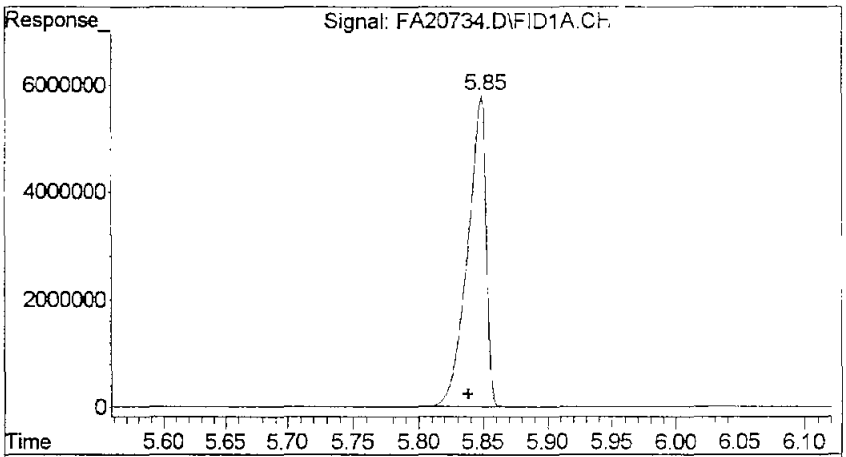
Data File : E:\DATA\120204_A\FA20734.D
Acq On : 12-02-2004 08:01:08 AM
Sample : dw703 mb liquid #1000 &5
Misc :
IntFile : EVENTS.E
Quant Time: Dec 2 12:23 2004 Quant Results File: NWDF112404.RES

Vial: 4
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FAST.M

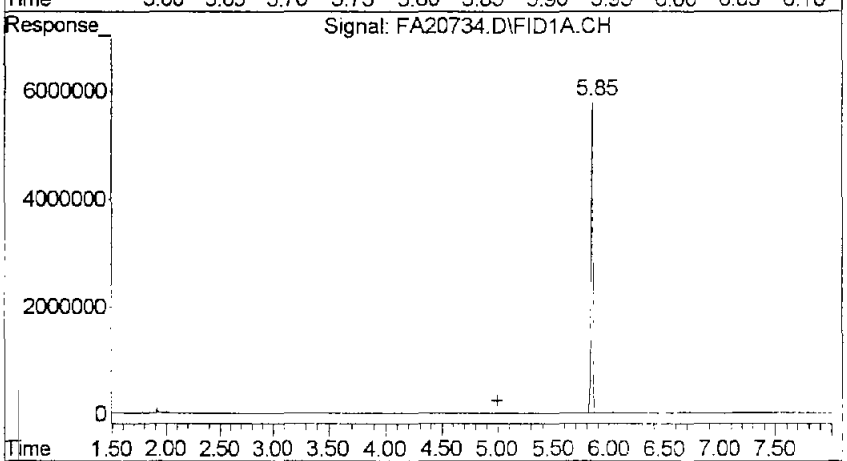
Volume Inj. :
Signal Phase :
Signal Info :





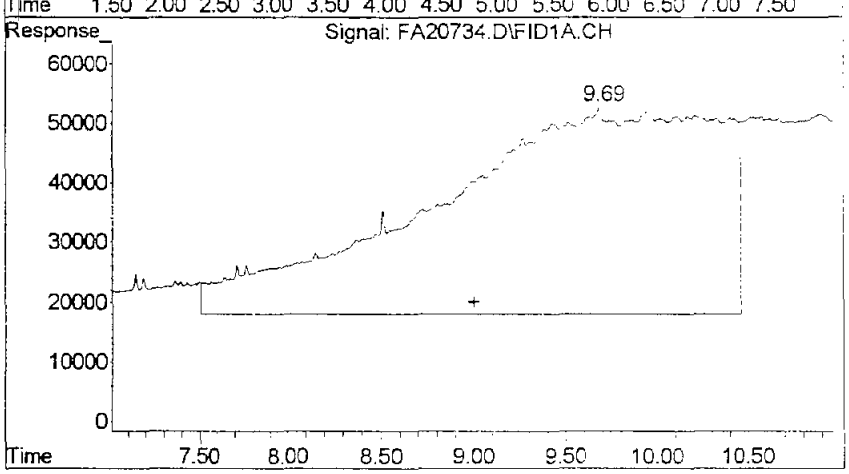
#1 o-terphenyl (S)

R.T.: 5.848 min
Delta R.T.: 0.010 min
Response: 57760205
Conc: 39.91 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 7021144
Conc: 1.56 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 37282079
Conc: 29.00 ng/ul m

BLANK SPIKE

01566

Data File : G:\DATA\113004_A\EP14839.D Vial: 25
Acq On : 1 Dec 2004 2:00 Operator: jda
Sample : ds1352 bs #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:22 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

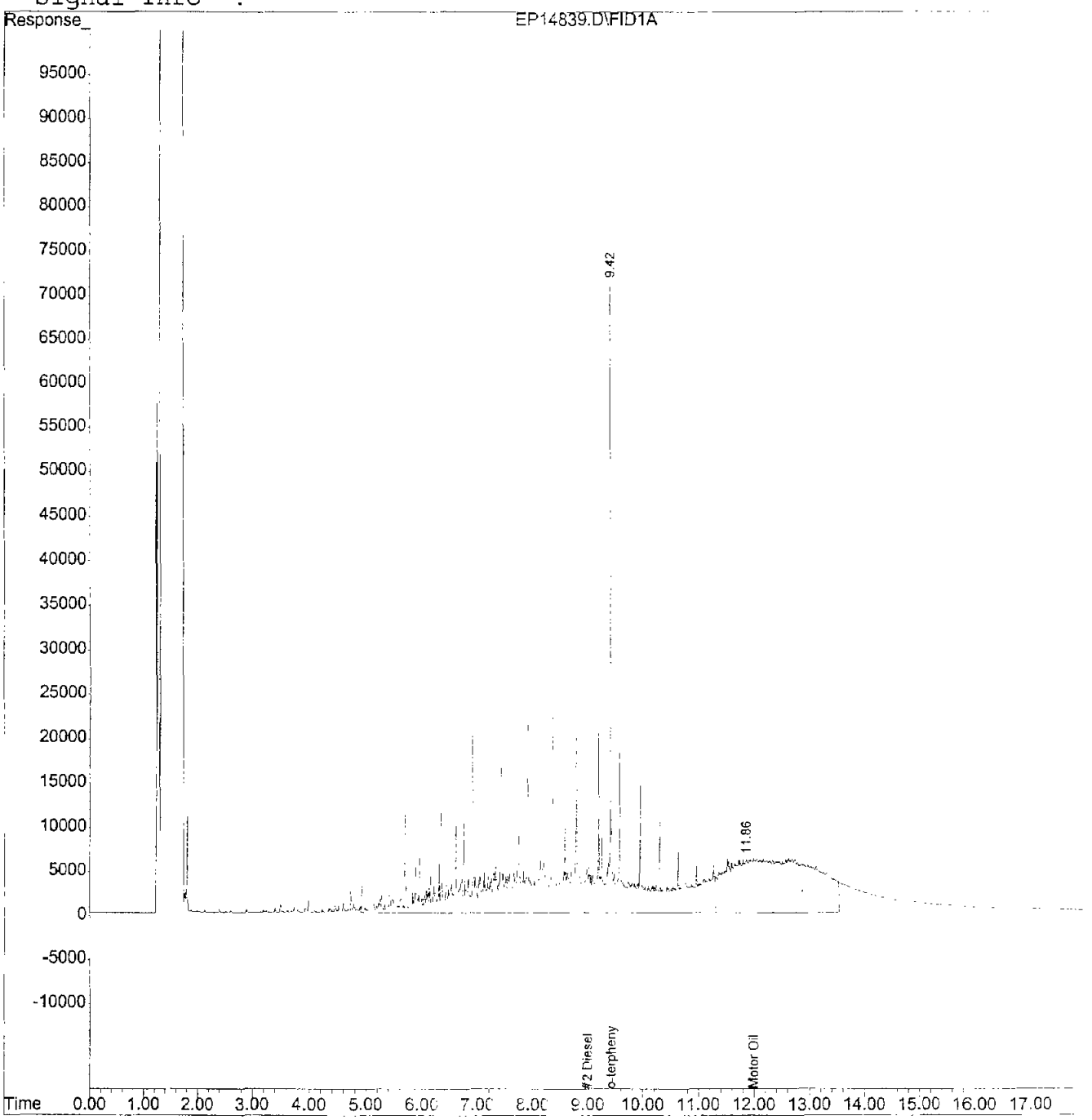
Volume Inj. :
Signal Phase :
Signal Info :

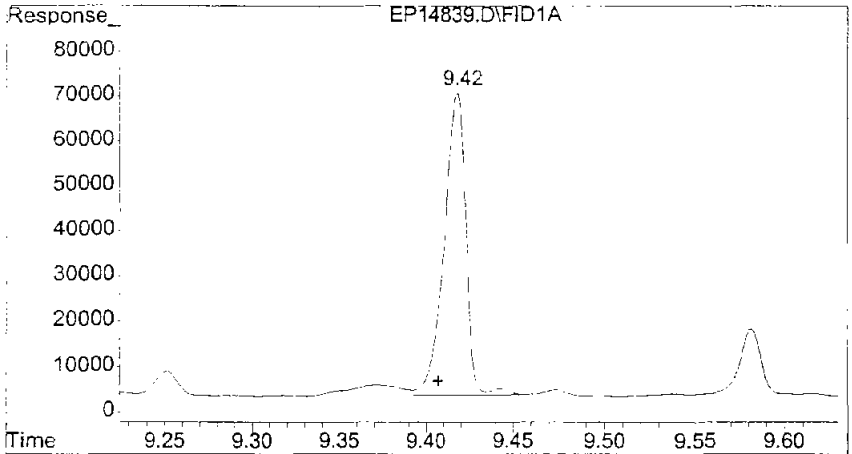
		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	o-terphenyl (S)	9.42	588230	20.247	ng/ul
		Target Compounds				
2)	H	#2 Diesel	9.00	12530406	465.783	ng/ul
3)	H	Motor Oil	12.00	6974041	477.504	ng/ul

Data File : G:\DATA\113004_A\EP14839.D Vial: 25
Acq On : 1 Dec 2004 2:00 Operator: jda
Sample : ds1352 bs #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:22 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

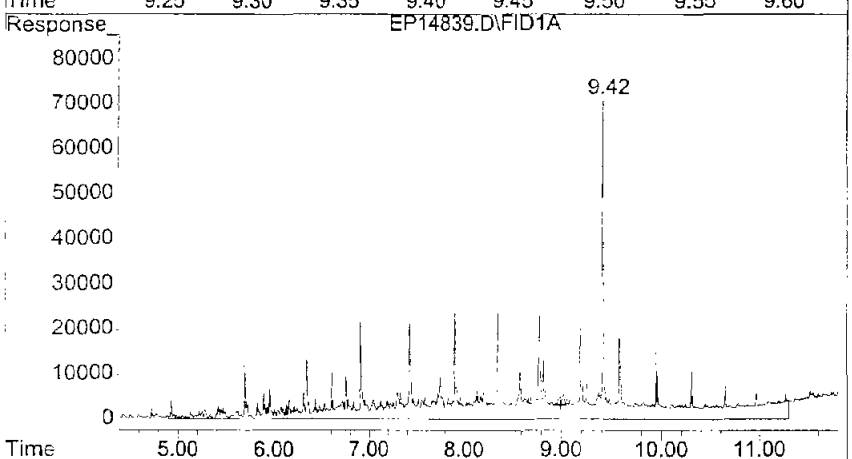
Volume Inj. :
Signal Phase :
Signal Info :





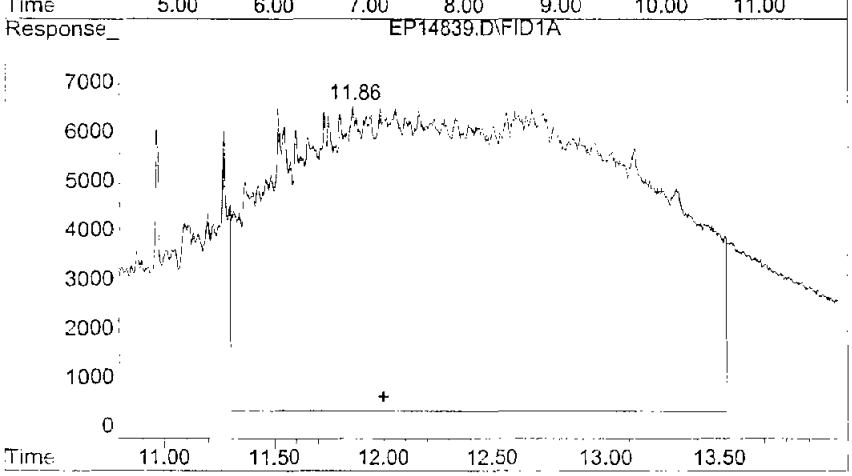
#1 o-terphenyl (S)

R.T.: 9.418 min
Delta R.T.: 0.011 min
Response: 588230
Conc: 20.25 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 12530406
Conc: 465.78 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 6974041
Conc: 477.50 ng/ul m

Data File : G:\DATA\113004_A\EP14840.D Vial: 26
Acq On : 1 Dec 2004 2:27 Operator: jda
Sample : ds1352 bsd #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:23 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

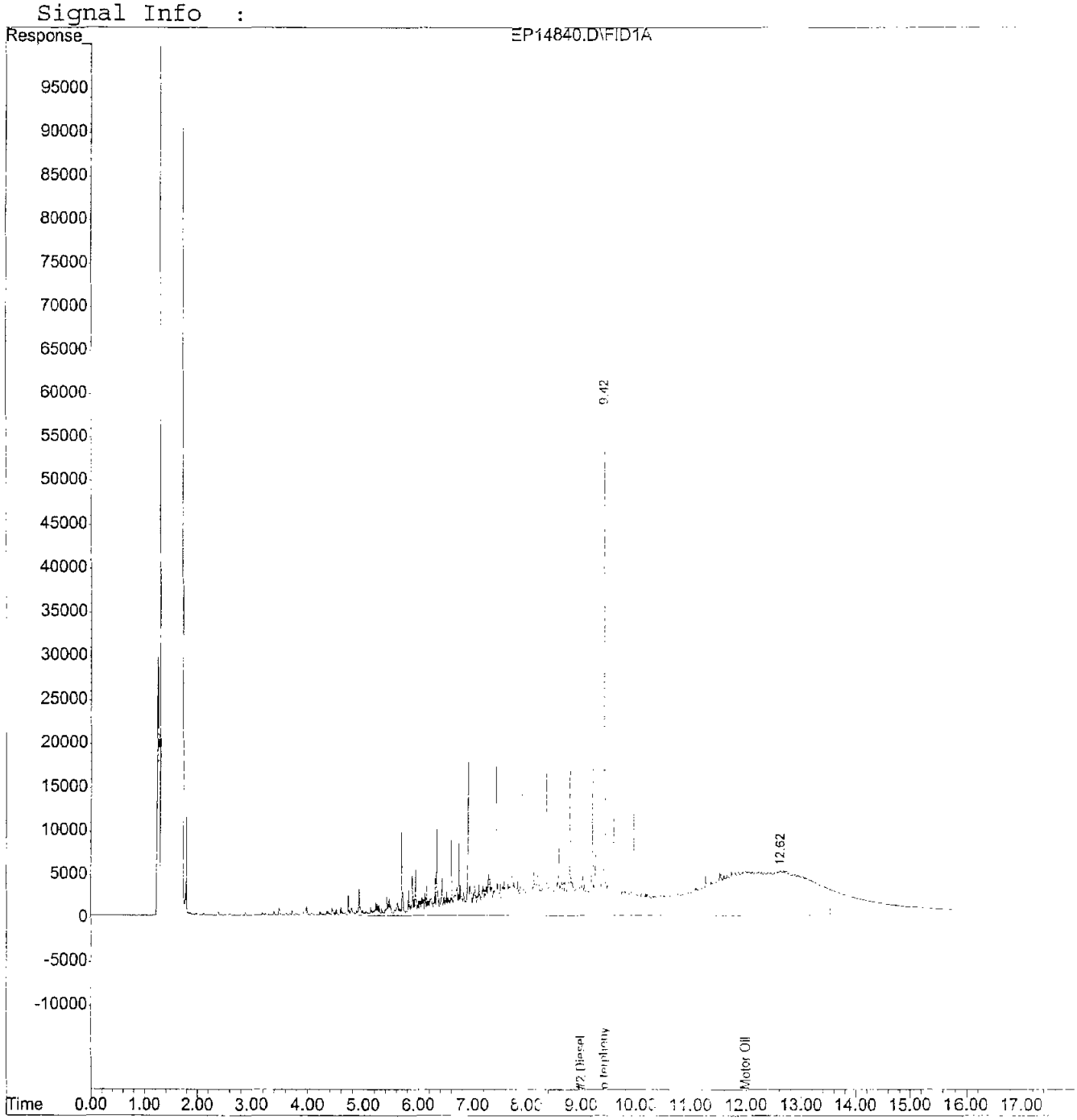
Volume Inj. :
Signal Phase :
Signal Info :

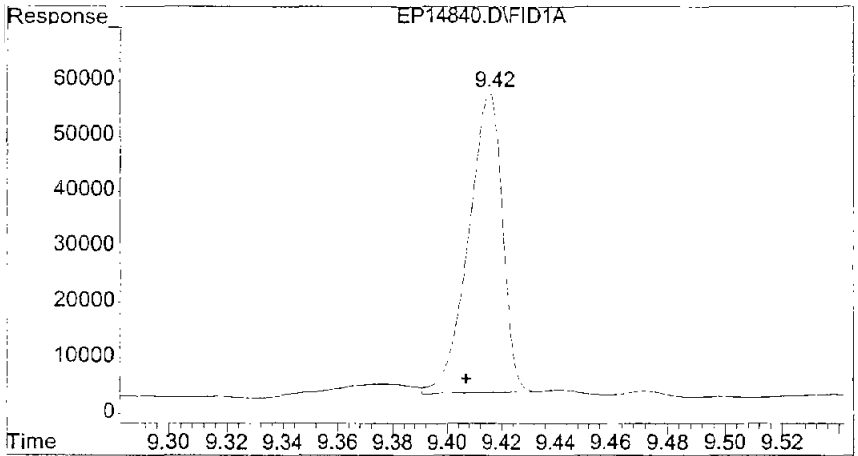
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	9.42	469544	16.162 ng/ul
Target Compounds			
2) H #2 Diesel	9.00	10495531	389.664 ng/ul
3) H Motor Oil	12.00	5930248	401.830 ng/ul

Data File : G:\DATA\113004_A\EP14840.D Vial: 26
Acq On : 1 Dec 2004 2:27 Operator: jda
Sample : ds1352 bsd #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 1 8:23 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Tue Nov 30 10:10:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

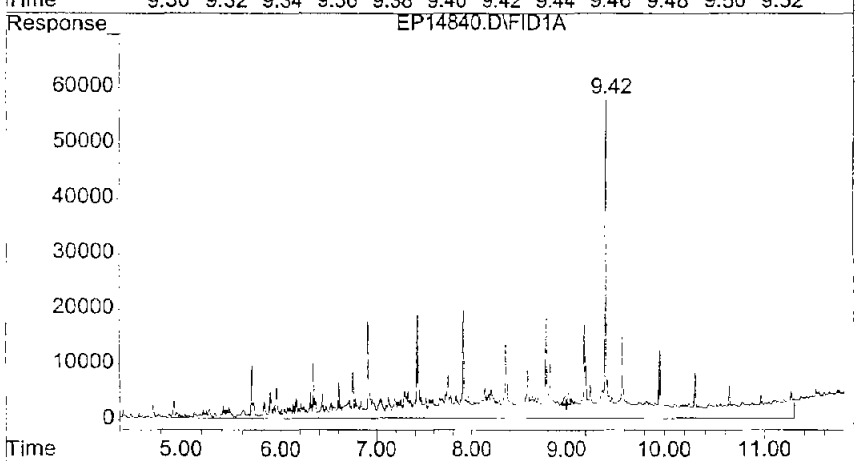
Volume Inj. :
Signal Phase :
Signal Info :





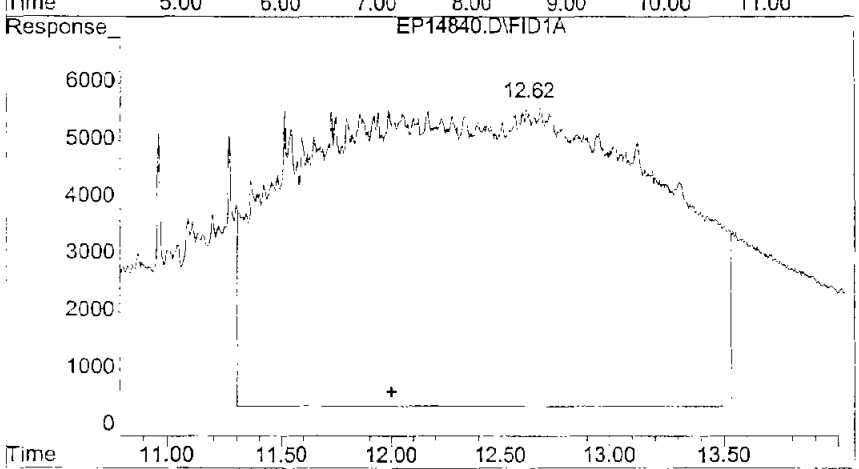
#1 o-terphenyl (S)

R.T.: 9.416 min
Delta R.T.: 0.009 min
Response: 469544
Conc: 16.16 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 10495531
Conc: 389.66 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 5930248
Conc: 401.83 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\120204_A\FA20735.D
Acq On : 12-02-2004 08:18:40 AM
Sample : dw703 bs liquid #1000 &5
Misc :
IntFile : EVENTS.E
Quant Time: Dec 02 12:23:08 2004 Quant Results File: NWDF112404.RES

Vial: 5
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.85	70948843	49.028 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	1265077566	968.736 ng/ul
3) H Motor Oil	9.00	597391623	894.922 ng/ul

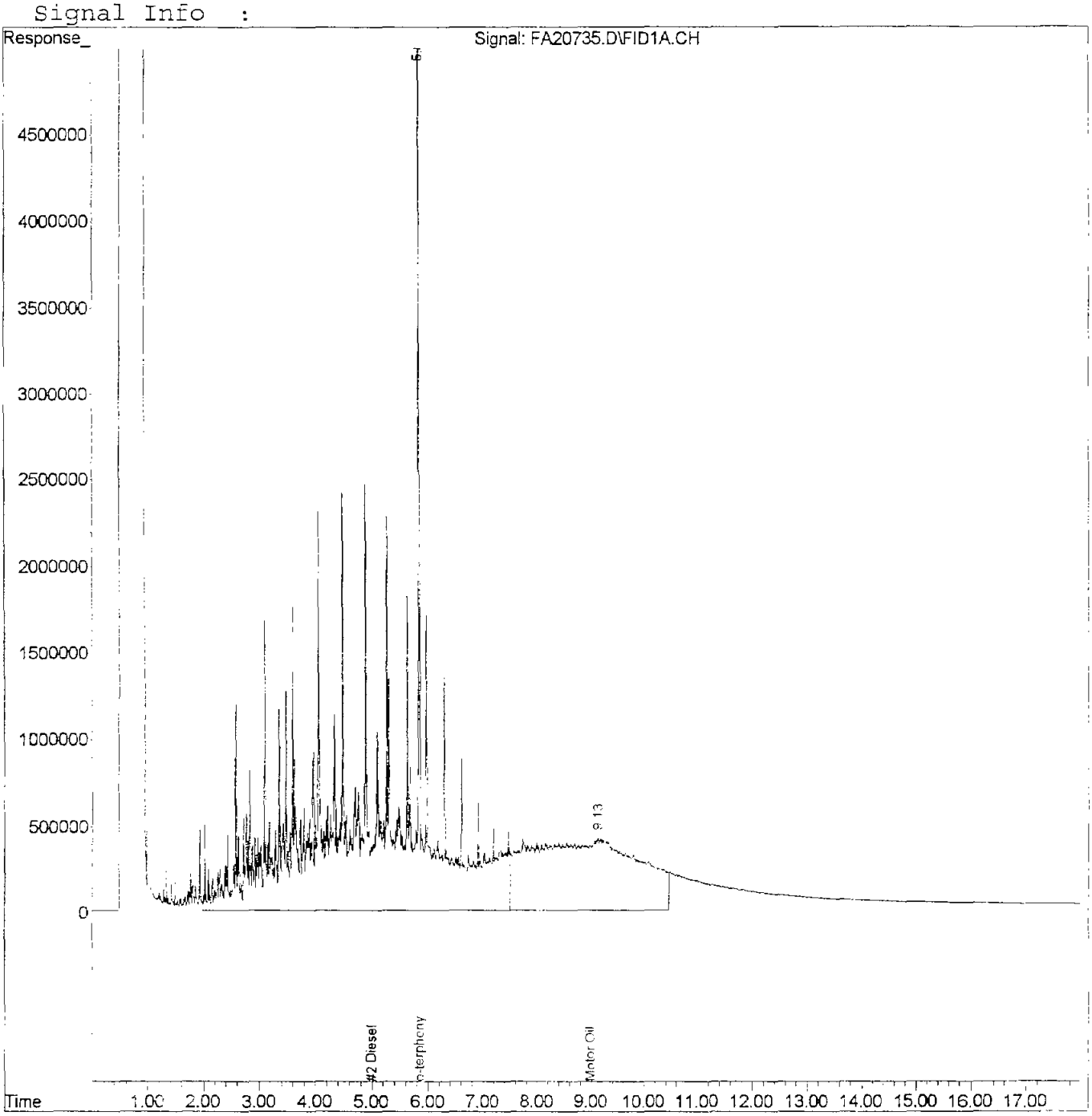
Quantitation Report (Not Reviewed)

Data File : E:\DATA\120204_A\FA20735.D
Acq On : 12-02-2004 08:18:40 AM
Sample : dw703 bs liquid #1000 &5
Misc :
IntFile : EVENTS.E
Quant Time: Dec 2 12:23 2004 Quant Results File: NWDF112404.RES

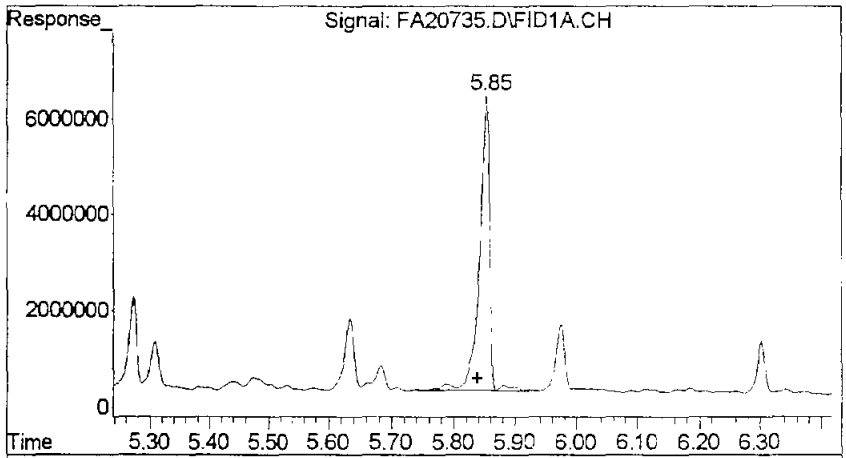
Vial: 5
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

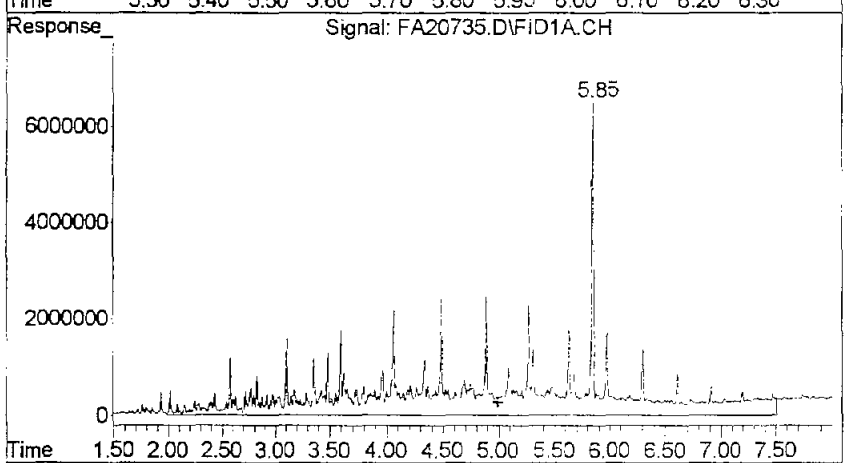


01574



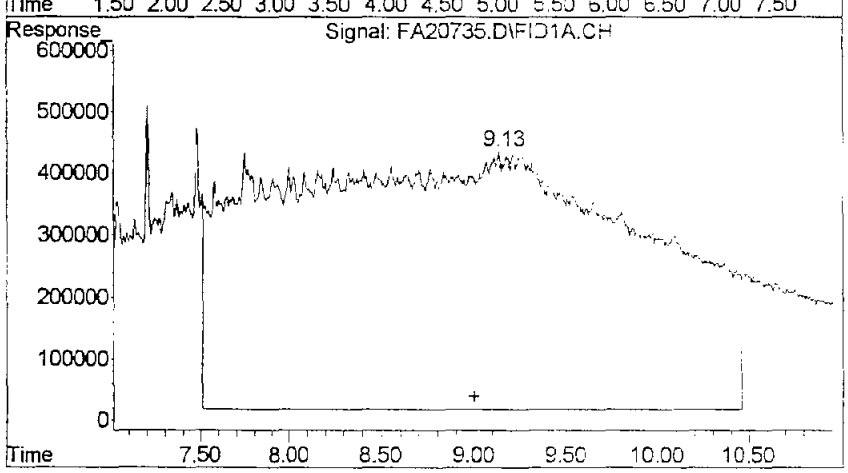
#1 o-terphenyl (S)

R.T.: 5.852 min
Delta R.T.: 0.014 min
Response: 70948843
Conc: 49.03 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 1265077566
Conc: 968.74 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 597391623
Conc: 894.92 ng/ul m

Quantitation Report (Not Reviewed)

Data File : E:\DATA\120204_A\FA20736.D
Acq On : 12-02-2004 08:41:23 AM
Sample : dw703 bsd liquid #1000 &5
Misc :
IntFile : EVENTS.E
Quant Time: Dec 02 12:23:09 2004 Quant Results File: NWDF112404.RES

Vial: 6
Operator: RBF
Inst : SEA013
Multiplr: 1.00

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Initial Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

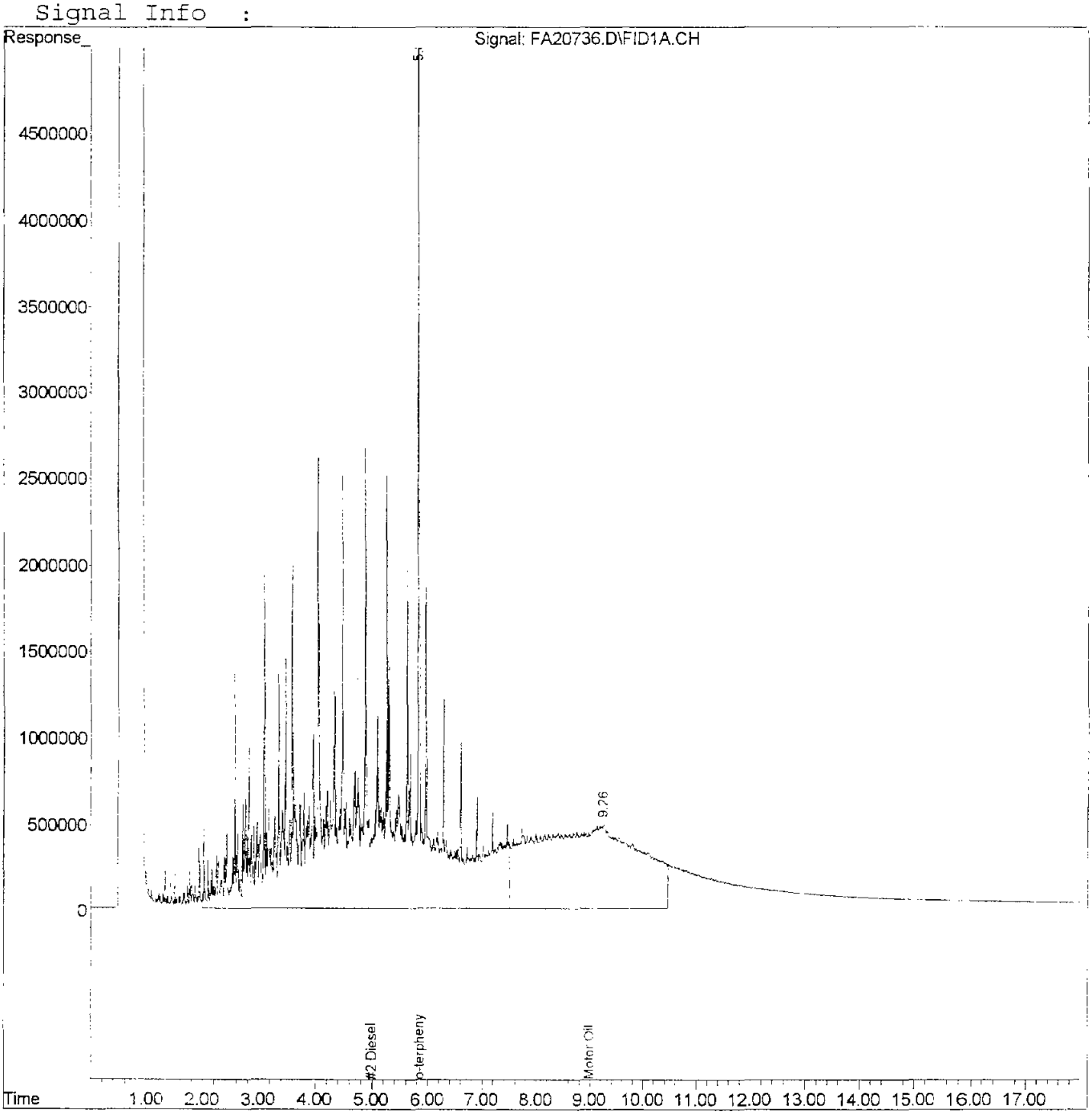
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S o-terphenyl (S)	5.85	70624865	48.804 ng/ul
Target Compounds			
2) H #2 Diesel	5.00	1413191583	1082.604 ng/ul
3) H Motor Oil	9.00	687237837	1033.823 ng/ul

Quantitation Report (Not Reviewed)

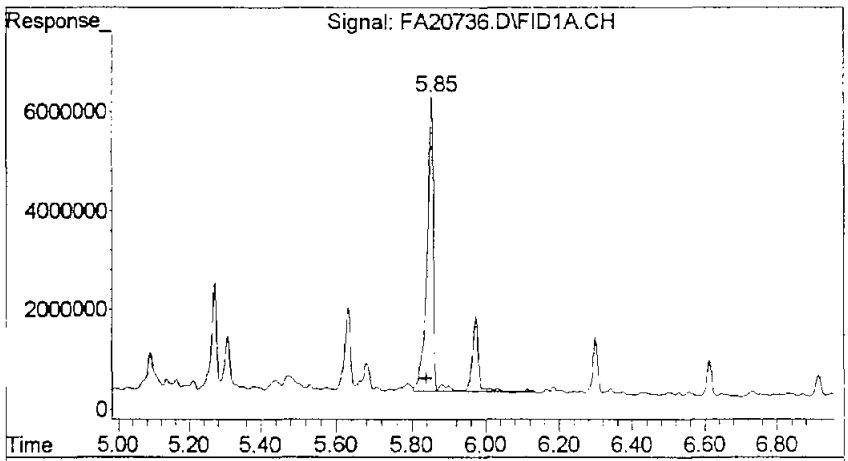
Data File : E:\DATA\120204_A\FA20736.D Vial: 6
Acq On : 12-02-2004 08:41:23 AM Operator: RBF
Sample : dw703 bsd liquid #1000 &5 Inst : SEA013
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Dec 2 12:23 2004 Quant Results File: NWDF112404.RES

Quant Method : E:\METHODS\NWDF112404.M (Chemstation Integrator)
Title : NWTPH-Dx Front (11/24/04)
Last Update : Wed Nov 24 12:30:44 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFAST.M

Volume Inj. :
Signal Phase :
Signal Info :

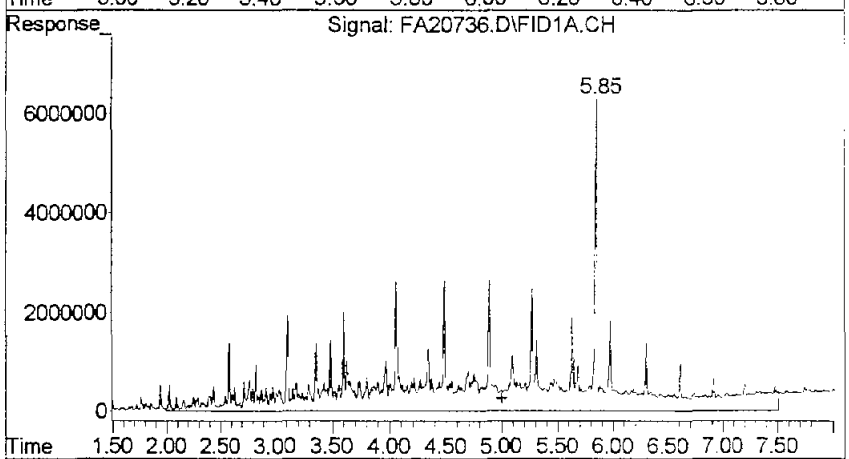


01577



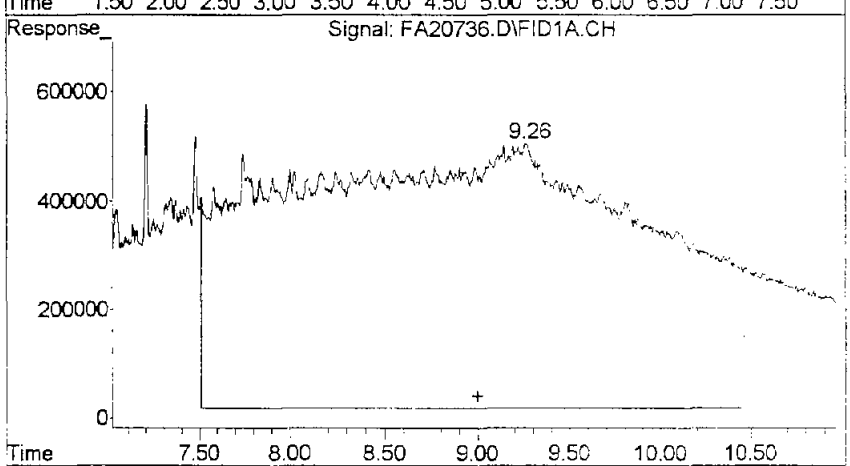
#1 o-terphenyl (S)

R.T.: 5.852 min
Delta R.T.: 0.014 min
Response: 70624865
Conc: 48.80 ng/ul



#2 #2 Diesel

R.T.: 5.000 min
Delta R.T.: 0.000 min
Response: 1413191583
Conc: 1082.60 ng/ul m



#3 Motor Oil

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 687237837
Conc: 1033.82 ng/ul m

LABORATORY WORKSHEETS

01579

diesel Worksheet - total

QC Level:Tier IV	**Due: 12/08/04**	**Work Order - 125060**
Matrix:solid		
URS Corporation	Proj. Manager:Katie Downie	

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-3	Client Sample ID	041123SGA28SS
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**1/23/2004 12:45:00 PI**
Diesel Ext - NWTPH-Dx		

Sample number 125060-4	Client Sample ID	041123SGA29SS
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 1:15:00 PM**
Diesel Ext - NWTPH-Dx		

Sample number 125060-6	Client Sample ID	041123SGA31SS
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 2:30:00 PM**
Diesel Ext - NWTPH-Dx		

Sample number 125060-8	Client Sample ID	041123SGA33SS
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 3:45:00 PM**
Diesel Ext - NWTPH-Dx		

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date _____

Reviewed by _____ Date 47201 12/7/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01580

Printed - 11/29/04

Diesel Analysis

QCBatch ID	ds1352				
Sample Matrix	solid				
Surrogate Standard No	1166-52-5				
Expiration Date	01/12/05	Volume Measured By/Date	11/29/04		
Fuels Combo Spike No	1166-53-1	Extracted By/Date			
Expiration Date	1/12/05				
MeCl2 Lot Number					
Na2SO4 Lot Number	X41147				
Extraction Method	3550				

QC Sample Type	QC Identifier	Sample Amount (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	ds1352	10.0000	10	100	N/A
Duplicate	125060r6	10.5044	10	100	N/A
Duplicate-2	124999r31				N/A
Blank Spike	sds1352	10.0000	10	100	100
Blank Spike Duplicate	dds1352	10.0000	10	100	100
Matrix Spike	125060s8	10.4155	10	100	100
Matrix Spike Duplicate	125060d8	10.3393	10	100	100
Matrix Spike-2					
Matrix Spike Duplicate-2					

Sample	Client Sample ID	Sample Amount (g)	Final Volume (ml)	Surr Spike (ul)	Comments
125060-3	41123SGA28S	10.8836	10	100	
125060-4	41123SGA29S	10.7476	10	100	
125060-6	41123SGA31S	10.7750	10	100	
125060-8	41123SGA33S	10.6435	10	100	

diesel Worksheet - total

11/30

QC Level:Tier IV	**Due: 12/08/04**	**Work Order - 125060**
Matrix:Liquid		
URS Corporation	Proj. Manager:Katie Downie	

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-10	Client Sample ID	041123SGA15ERW
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 5:00:00 PM**
Diesel Ext - NWTPH-Dx		

Sample number 125060-11	Client Sample ID	041123SGA16ERW
Sample Weight/Volume	Date Received	11/24/2004
	Date Sampled	**11/23/2004 5:20:00 PM**
Diesel Ext - NWTPH-Dx		

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date _____

Reviewed by _____ Date 47205

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01582

Printed - 11/30/2004

Diesel Analysis

QCBatch ID	DW0703	pH2	pH7	pH12	
Sample Matrix	Liquid	XXX			
Surrogate Standard No.	1166-53-1				
Expiration Date	1/12/2005	Volume Measured By/Date 11-29-04 th			
Fuels Combo Spike No.	1166-53-1	Extracted By/Date 11-29-04 th			
Expiration Date	1/12/2005	NWTPH-Dx (extraction log created 11/29/04; printed 11/30/04)			
MeCl2 Lot Number	A35E08				
Fuels Surrogate No.	1166-52-5				
Expiration Date	1/12/2005				
		Spike Witness Signature/Date			
Extraction Method	3510				

QC Sample Type	QC Identifier	Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	DW0703	1000	5	100	N/A
Duplicate					
Duplicate-2					
Blank Spike	sDW0703	1000	5	100	100
Blank Spike Duplicate	dDW0703	1000	5	100	100
Matrix Spike					
Matrix Spike Duplicate					
Matrix Spike-2					
Matrix Spike Duplicate-2					

Sample	Client Sample ID	Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	Comments
125018-1	TPS-DG-11220-	1049	5	100	
125018-2	PS-UST-11220	1030	5	100	
125052-1	05-01350	973	5	100	
125060-10	1123SGA15ER	716	5	100	
125060-11	1123SGA16ER	855	5	100	
125067-1	5956eff	1048	5	100	

01583

STL Seattle

6a **Sample Information**

Client Name	URS Corporation
Work Order Number	125060
Sample Number	3
QC Batch Number	ds1352
Client Sample ID	041123SGA28SS
Date Received	11-24-04
Date Prepared	11-29-04
Date Analyzed	12-01-04
Sample matrix type	solid
QC sample type	sample

Related Blank: ds1352

Sample weight (g)	10.8836	=	0.01088 /kg	Calc. Fact	1.05055297
Extract volume (ml)	10	=	10 ml	Dry Weight	9.51879656 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	87.46	=	0.8746	Spike Factor	0.105055297
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	10
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	15.8631		79.3	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon name for X flag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01584

STL Seattle

6a **Sample Information**

Client Name	URS Corporation
Work Order Number	125060
Sample Number	4
QC Batch Number	ds1352
Client Sample ID	041123SGA29SS
Date Received	11-24-04
Date Prepared	11-29-04
Date Analyzed	12-01-04
Sample matrix type	solid
QC sample type	sample

Related Blank: ds1352

Sample weight (g)	10.7476	=	0.01075 /kg	Calc. Fact.	0.999076865
Extract volume (ml)	10	=	10 ml	Dry Weight	10.00923988 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	93.13	=	0.9313	Spike Factor	0.099907686
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	10
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	18.7005		93.5	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon Flame for X flag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	7.3079			7.3	J	25
x	Motor Oil	153.6352			153		50

01585

STL Seattle

6a **Sample Information**

Client Name	URS Corporation
Work Order Number	125060
Sample Number	6
QC Batch Number	ds1352
Client Sample ID	041123SGA31SS
Date Received	11-24-04
Date Prepared	11-29-04
Date Analyzed	12-01-04
Sample matrix type	solid
QC sample type	sample

Related Blank: ds1352

Sample weight (g)	10.775	=	0.01078 /kg	Calc. Fact.	1.199837422
Extract volume (ml)	10	=	10 ml	Dry Weight	8.3344625 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	77.35	=	0.7735	Spike Factor	0.119983742
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	10
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	16.8844		84.4	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon name for X flag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01586

STL Seattle

6a **Sample Information**

Client Name	URS Corporation
Work Order Number	125060
Sample Number	6
QC Batch Number	ds1352
Client Sample ID	041123SGA31SS
Date Received	11-24-04
Date Prepared	11-29-04
Date Analyzed	12-01-04
Sample matrix type	solid
QC sample type	dup

Related Blank: ds1352

Sample weight (g)	10.5044	=	0.0105 /kg	Calc. Fact.	1.230745994
Extract volume (ml)	10	=	10 ml	Dry Weight	8.1251534 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	77.35	=	0.7735	Spike Factor	0.123074599
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	10
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	17.2157		86.1	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon name for X flag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	10.2042			12.6	J	30.8

01587

STL Seattle

6a **Sample Information**

Client Name	URS Corporation
Work Order Number	125060
Sample Number	8
QC Batch Number	ds1352
Client Sample ID	041123SGA33SS
Date Received	11-24-04
Date Prepared	11-29-04
Date Analyzed	12-01-04
Sample matrix type	solid
QC sample type	sample

Related Blank: ds1352

Sample weight (g)	10.6435	=	0.01064 /kg	Calc. Fact.	1.15664233
Extract volume (ml)	10	=	10 ml	Dry Weight	8.64571505 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	81.23	=	0.8123	Spike Factor	0.115664233
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	10
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	16.8517		84.3	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon name for X flag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01588

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**8**
QC Batch Number	**ds1352**
Client Sample ID	**041123SGA33SS**
Date Received	**11-24-04**
Date Prepared	**11-29-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**ms**

Related Blank: ds1352

Sample weight (g)	**10.4155**	=	0.01042 /kg	Calc. Fact.	1.181961753
Extract volume (ml)	**10**	=	10 ml	Dry Weight	8.46051065 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	**81.23**	=	0.8123	Spike Factor	0.118196175
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	**1**
Report in PPM	**1**	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	10
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	16.176		80.9	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon name for X flag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	492.2622			582		29.5
x	Motor Oil	519.9569			615		59.1

01589

STL Seattle

6a **Sample Information**

Client Name	URS Corporation
Work Order Number	125060
Sample Number	8
QC Batch Number	ds1352
Client Sample ID	041123SGA33SS
Date Received	11-24-04
Date Prepared	11-29-04
Date Analyzed	12-01-04
Sample matrix type	solid
QC sample type	msd

Related Blank: ds1352

Sample weight (g)	10.3393	=	0.01034 /kg	Calc. Fact	1.190672738
Extract volume (ml)	10	=	10 ml	Dry Weight	8.39861339 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	81.23	=	0.8123	Spike Factor	0.119067274
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	10
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	17.7642		88.8	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon name for X flag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	498.5105			594		29.8
x	Motor Oil	523.9302			624		59 5

01590

STL Seattle

6a **Sample Information**

Client Name	URS Corporation
Work Order Number	125060
Sample Number	10
QC Batch Number	dw0703
Client Sample ID	041123SGA15ERW
Date Received	11-24-04
Date Prepared	11-29-04
Date Analyzed	12-02-04
Sample matrix type	liquid
QC sample type	sample

Related Blank: dw0703

Sample volume (ml)	716	=	0.716 /L	Calc. Fact.	0.00698324
Extract volume (ml)	5	=	5 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	mg/L
% Solids		=	1	Spike Factor	0.001396648
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	42.619		107	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon name for X mag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	5.6134			ND		0.349
x	Motor Oil	6.6498		29.0008	ND		0.698

01591

STL Seattle

6a **Sample Information**

Client Name	URS Corporation
Work Order Number	125060
Sample Number	11
QC Batch Number	dw0703
Client Sample ID	041123SGA16ERW
Date Received	11-24-04
Date Prepared	11-29-04
Date Analyzed	12-02-04
Sample matrix type	liquid
QC sample type	sample

Related Blank: dw0703

Sample volume (ml)	855	=	0.855	/L	Calc. Fact.	0.005847953
Extract volume (ml)	5	=	5	ml	Dry Weight	-
Dilution Factor		=	1		Sample Units	mg/L
% Solids		=	1		Spike Factor	0.001169591
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM	1	=	0.001		Blk Dil. Fact	
mg/kg Carbon		=	1		Blk Dil. Fact	5
					Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	44.1622		110	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon Name for X Flag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	2.0255			ND		0.292
x	Motor Oil	1.7545		29.0008	ND		0.585

01592

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	ds1352
Client Sample ID	
Date Received	
Date Prepared	11-29-04
Date Analyzed	12-01-04
Sample matrix type	solid
QC sample type	blank

Related Blank: noblank

Sample weight (g)	10	=	0.01 /kg	Calc. Fact.	1
Extract volume (ml)	10	=	10 ml	Dry Weight	10 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids		=	1	Spike Factor	0.1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	10
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	20.7064		104	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

Hydrocarbon name for X1flag FALSE <-- do not overwrite this cell

jet fuel, kerosene or similar produ

	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01593

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**dw0703**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**blank**

Related Blank: noblank

Sample volume (ml)	**1000**	=	1	/L	Calc. Fact.	0.005
Extract volume (ml)	**5**	=	5	ml	Dry Weight	-
Dilution Factor		=	1		Sample Units	mg/L
% Solids		=	1		Spike Factor	0.001
GPC (Enter 2 if GPC'd)		=	1		Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001		Blk Dil. Fact	
mg/kg Carbon		=	1		Blk Dil. Fact	5
					Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	39.9139		99.8	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

Hydrocarbon name for X1flag: jet fuel, kerosene or similar produ — FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	1.5555			ND		0.25
x	Motor Oil	29.0008			0.145	J	0.5

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	ds1352
Client Sample ID	
Date Received	
Date Prepared	11-29-04
Date Analyzed	12-01-04
Sample matrix type	solid
QC sample type	bs

Related Blank: ds1352

Sample weight (g)	10	=	0.01 /kg	Calc. Fact.	1
Extract volume (ml)	10	=	10 ml	Dry Weight	10 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids		=	1	Spike Factor	0.1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	10
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	20.2468		101	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

Hydrocarbon name for X flag: jet fuel, kerosene or similar produ

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	465.7829			466		25
x	Motor Oil	477.5043			478		50

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**dw0703**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**bs**

Related Blank: dw0703

Sample volume (ml)	**1000**	=	1 /L	Calc. Fact.	0.005
Extract volume (ml)	**5**	=	5 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	mg/L
% Solids		=	1	Spike Factor	0.001
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	49.0277		123	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon name for X flag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	968.7358			4.84		0.25
x	Motor Oil	894.9217		29.0008	4.47	B2	0.5

01596

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	**ds1352**
Client Sample ID	
Date Received	
Date Prepared	**11-29-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**bsd**

Related Blank: ds1352

Sample weight (g)	**10**	=	0.01 /kg	Calc. Fact.	1
Extract volume (ml)	**10**	=	10 ml	Dry Weight	10 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids		=	1	Spike Factor	0.1
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	10
				Raw Dil. Fact	10

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	16.1616		80.8	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon Frame for X mag FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	389.6643			390		25
x	Motor Oil	401.83			402		50

01597

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: dw0703
QC Batch Number	dw0703
Client Sample ID	
Date Received	
Date Prepared	11-29-04
Date Analyzed	12-02-04
Sample matrix type	liquid
QC sample type	bsd

Sample volume (ml)	1000	=	1 /L	Calc. Fact.	0.005
Extract volume (ml)	5	=	5 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	mg/L
% Solids		=	1	Spike Factor	0.001
GPC (Enter 2 if GPC'd)		=	1	Rept. Dil. Fact.	1
Report in PPM	1	=	0.001	Blk Dil. Fact	
mg/kg Carbon		=	1	Blk Dil. Fact	5
				Raw Dil. Fact	5

	Surrogate	Quan Value	User Flags	% Rec.	Warning	Water Low	Water High
x	o-terphenyl	48.8038		122	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

jet fuel, kerosene or similar produ

Hydrocarbon name for X mag

FALSE <-- do not overwrite this cell

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	1082.604			5.41		0.25
x	Motor Oil	1033.823		29.0008	5.17	B2	0.5

TOTAL METALS DATA PACKAGE

01599

SAMPLE DATA

01600

STL Seattle Perkin-Elmer Elan 6100 ICP-MS
Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

(Dual Detector Mode)

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Be	9.012	Linear Thru Zero	0.00	0.00	0.999980
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
Cr	51.941	Linear Thru Zero	0.01	0.00	0.999983
Mn	54.938	Linear Thru Zero	0.02	0.00	0.999934
Cu	64.928	Linear Thru Zero	0.00	0.00	0.999805
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999502
As	74.922	Linear Thru Zero	0.00	0.00	0.999907
Se	81.917	Linear Thru Zero	0.00	0.00	0.999785
Ge	73.922	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.01	0.00	0.999980
Cd	110.904	Linear Thru Zero	0.00	0.00	0.999979
Sb	122.904	Linear Thru Zero	0.01	0.00	0.999948
Ba	136.905	Linear Thru Zero	0.00	0.00	0.999974
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Tl	202.972	Linear Thru Zero	0.01	0.00	0.999844
Pb	207.977	Linear Thru Zero	0.04	0.00	0.999910
Ho	164.930	Linear Thru Zero	0.00	0.00	0.000000

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Blank

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 07:54:12
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Blank.005

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9		ug/L			5.6	69.3
>	Sc	45		ug/L			1564423.3	2.6
	Cr	52		ug/L			6991.9	4.2
	Mn	55		ug/L			698.9	12.1
	Cu	65		ug/L			25.6	49.4
	Zn	68		ug/L			213.1	13.4
	As	75		ug/L			70.6	140.0
	Se	82		ug/L			126.7	16.4
>	Ge	74		ug/L			1264370.3	0.4
	Ag	107		ug/L			42.2	4.6
	Cd	111		ug/L			19.1	45.5
	Sb	123		ug/L			61.6	21.1
	Ba	137		ug/L			27.8	13.9
>	Rh	103		ug/L			1329661.5	1.1
	Tl	203		ug/L			285.6	12.4
	Pb	208		ug/L			863.3	5.1
>	Ho	165		ug/L			1386613.2	2.2

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 1

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 07:57:13
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Standard 1.006

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**5.000**	ug/L	1.2	5.556	4051.7	2.1
⌊>	Sc	45		ug/L		1564423.280	1606127.6	2.1
⌈	Cr	52	**5.000**	ug/L	2.1	6991.923	82126.1	1.8
!	Mn	55	**5.000**	ug/L	2.0	698.906	126187.3	2.1
!	Cu	65	**5.000**	ug/L	1.6	25.556	23865.5	1.7
!	Zn	68	**5.000**	ug/L	1.9	213.113	13635.2	1.7
!	As	75	**5.000**	ug/L	2.0	70.579	15398.7	2.1
!	Se	82	**5.000**	ug/L	5.8	126.667	1776.8	5.2
⌊>	Ge	74		ug/L		1264370.288	1331016.8	0.2
⌈	Ag	107	**5.000**	ug/L	1.3	42.222	77116.5	1.1
!	Cd	111	**5.000**	ug/L	2.6	19.111	18779.2	2.6
!	Sb	123	**5.000**	ug/L	0.4	61.638	46000.5	0.2
!	Ba	137	**5.000**	ug/L	0.5	27.778	29357.9	0.1
⌊>	Rh	103		ug/L		1329661.454	1339125.0	0.5
⌈	Tl	203	**5.000**	ug/L	4.5	285.558	88154.6	2.8
!	Pb	208	**5.000**	ug/L	3.6	863.344	293198.0	0.5
⌊>	Ho	165		ug/L		1386613.193	1425217.1	3.3

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 2

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:00:11
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Standard 2.007

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**9.942**	ug/L	4.1	5.556	7906.6	4.5
>	Sc	45		ug/L		1564423.280	1614289.7	1.8
	Cr	52	**9.992**	ug/L	2.3	6991.923	151187.7	2.2
	Mn	55	**10.061**	ug/L	0.4	698.906	250933.6	0.6
	Cu	65	**9.862**	ug/L	1.2	25.556	43137.3	1.1
	Zn	68	**9.764**	ug/L	2.0	213.113	23362.6	2.1
	As	75	**10.051**	ug/L	1.6	70.579	30485.6	1.5
	Se	82	**10.213**	ug/L	3.6	126.667	3678.3	3.5
>	Ge	74		ug/L		1264370.288	1287507.8	0.2
	Ag	107	**9.940**	ug/L	0.4	42.222	151135.3	0.5
	Cd	111	**9.853**	ug/L	0.7	19.111	35267.1	1.1
	Sb	123	**9.969**	ug/L	2.1	61.638	91411.8	1.4
	Ba	137	**9.971**	ug/L	1.4	27.778	58403.6	1.4
>	Rh	103		ug/L		1329661.454	1351946.4	0.7
	Tl	203	**9.964**	ug/L	1.9	285.558	172668.0	3.4
	Pb	208	**9.966**	ug/L	1.4	863.344	574765.2	0.8
>	Ho	165		ug/L		1386613.193	1422348.2	2.1

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 3

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:03:11
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Standard 3.008

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**25.040**	ug/L	2.6	5.556	20287.7	3.6
>	Sc	45		ug/L		1564423.280	1632132.4	2.5
	Cr	52	**24.800**	ug/L	0.7	6991.923	361430.9	0.7
	Mn	55	**24.696**	ug/L	1.6	698.906	597078.2	1.4
	Cu	65	**24.704**	ug/L	3.3	25.556	105015.8	2.0
	Zn	68	**24.390**	ug/L	0.2	213.113	53299.6	1.3
	As	75	**24.979**	ug/L	2.9	70.579	77610.7	2.9
	Se	82	**24.815**	ug/L	4.6	126.667	8696.0	3.3
>	Ge	74		ug/L		1264370.288	1326182.3	1.4
	Ag	107	**24.953**	ug/L	2.4	42.222	376740.0	1.0
	Cd	111	**24.909**	ug/L	1.2	19.111	87780.8	1.0
	Sb	123	**24.956**	ug/L	1.0	61.638	227397.4	1.3
	Ba	137	**24.840**	ug/L	0.9	27.778	141321.2	1.3
>	Rh	103		ug/L		1329661.454	1355816.6	2.2
	Tl	203	**24.956**	ug/L	0.8	285.558	424185.7	0.6
	Pb	208	**25.004**	ug/L	2.5	863.344	1428433.8	2.6
>	Ho	165		ug/L		1386613.193	1408853.0	1.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 4

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:06:41
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Standard 4.009

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**49.688**	ug/L	7.2	5.556	40584.4	6.7
⌊>	Sc	45		ug/L		1564423.280	1680224.7	0.5
⌈	Cr	52	**49.970**	ug/L	1.4	6991.923	722026.0	1.7
|	Mn	55	**50.026**	ug/L	0.9	698.906	1215251.8	1.2
|	Cu	65	**50.165**	ug/L	3.3	25.556	216392.8	2.5
|	Zn	68	**50.171**	ug/L	2.5	213.113	111056.8	2.5
|	As	75	**49.926**	ug/L	0.5	70.579	154837.7	0.5
|	Se	82	**50.130**	ug/L	2.7	126.667	17649.8	1.7
⌊>	Ge	74		ug/L		1264370.288	1330931.2	1.0
⌈	Ag	107	**49.732**	ug/L	1.4	42.222	762355.4	0.5
	Cd	111	**49.881**	ug/L	1.2	19.111	180195.8	1.5
|	Sb	123	**49.820**	ug/L	1.6	61.638	463449.7	1.4
|	Ba	137	**50.029**	ug/L	0.7	27.778	294671.7	1.1
⌊>	Rh	103		ug/L		1329661.454	1400881.6	0.9
⌈	Tl	203	**49.915**	ug/L	2.7	285.558	869685.8	0.8
|	Pb	208	**49.811**	ug/L	3.5	863.344	2896736.1	1.1
⌊>	Ho	165		ug/L		1386613.193	1453497.1	2.7

016006

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 5

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:10:12
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Standard 5.010

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**100.140**	ug/L	4.4	5.556	80530.0	4.7
>	Sc	45		ug/L		1564423.280	1646779.9	0.8
	Cr	52	**99.776**	ug/L	2.4	6991.923	1455796.5	1.1
	Mn	55	**99.467**	ug/L	3.3	698.906	2428260.4	1.1
	Cu	65	**98.961**	ug/L	2.9	25.556	422717.5	0.5
	Zn	68	**98.412**	ug/L	1.5	213.113	212076.5	1.3
	As	75	**99.228**	ug/L	2.5	70.579	307108.3	0.9
	Se	82	**98.875**	ug/L	3.2	126.667	34261.0	1.1
>	Ge	74		ug/L		1264370.288	1360559.0	2.4
	Ag	107	**99.787**	ug/L	2.9	42.222	1495520.1	1.7
	Cd	111	**99.715**	ug/L	2.2	19.111	351406.2	1.3
	Sb	123	**100.549**	ug/L	3.1	61.638	936241.4	2.3
	Ba	137	**99.642**	ug/L	1.0	27.778	571342.9	1.6
>	Rh	103		ug/L		1329661.454	1378840.2	1.1
	Tl	203	**99.000**	ug/L	1.2	285.558	1688463.5	2.8
	Pb	208	**99.261**	ug/L	3.3	863.344	5692804.9	1.7
>	Ho	165		ug/L		1386613.193	1465949.2	1.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICV

Sample Description: 25 PPB CHECK SOLUTION
Sample Date/Time: Thursday, December 02, 2004 08:15:13
Number of Replicates: 3
Batch ID: 12-02-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\MSICV.011

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
┌	Be	9	**25.339**	ug/L	4.4	5.556	19760.3	2.7
└>	Sc	45		ug/L		1564423.280	1597882.2	3.0
┌	Cr	52	**25.203**	ug/L	1.2	6991.923	362614.6	0.7
│	Mn	55	**25.781**	ug/L	1.1	698.906	612009.1	2.1
│	Cu	65	**25.531**	ug/L	0.3	25.556	105957.1	0.8
│	Zn	68	**26.122**	ug/L	0.9	213.113	54832.3	1.3
│	As	75	**25.458**	ug/L	2.6	70.579	76583.7	2.4
│	Se	82	**25.606**	ug/L	2.9	126.667	8716.0	2.0
└>	Ge	74		ug/L		1264370.288	1321042.8	1.0
┌	Ag	107	**24.837**	ug/L	3.3	42.222	373852.4	1.2
│	Cd	111	**24.998**	ug/L	1.3	19.111	88520.6	2.4
│	Sb	123	**24.645**	ug/L	1.6	61.638	230556.5	0.9
│	Ba	137	**24.922**	ug/L	1.6	27.778	143536.4	0.8
└>	Rh	103		ug/L		1329661.454	1385113.8	2.4
┌	Tl	203	**25.780**	ug/L	2.2	285.558	424702.3	1.2
│	Pb	208	**25.795**	ug/L	1.3	863.344	1429699.5	0.4
└>	Ho	165		ug/L		1386613.193	1415672.7	1.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: ICB

Sample Description: BLANK
Sample Date/Time: Thursday, December 02, 2004 08:19:32
Number of Replicates: 3
Batch ID: 12-02-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\ICB.012

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.007**	ug/L	149.9	5.556	11.1	75.5
⌊>	Sc	45		ug/L		1564423.280	1568605.4	1.5
⌈	Cr	52	**-0.019**	ug/L	27.1	6991.923	6862.6	1.5
|	Mn	55	**0.004**	ug/L	43.7	698.906	800.0	5.2
|	Cu	65	**0.008**	ug/L	9.0	25.556	60.0	5.6
|	Zn	68	**-0.003**	ug/L	792.8	213.113	212.0	20.3
|	As	75	**0.019**	ug/L	10.0	70.579	127.0	4.8
|	Se	82	**-0.018**	ug/L	158.9	126.667	123.3	7.2
⌊>	Ge	74		ug/L		1264370.288	1288924.0	0.5
⌈	Ag	107	**0.009**	ug/L	21.7	42.222	175.6	17.1
|	Cd	111	**0.000**	ug/L	1554.4	19.111	20.4	106.0
|	Sb	123	**0.039**	ug/L	9.4	61.638	407.2	7.4
|	Ba	137	**0.001**	ug/L	59.6	27.778	33.3	10.0
⌊>	Rh	103		ug/L		1329661.454	1324522.6	0.7
⌈	Tl	203	**0.000**	ug/L	495.6	285.558	294.4	12.0
|	Pb	208	**-0.001**	ug/L	237.4	863.344	840.0	9.2
⌊>	Ho	165		ug/L		1386613.193	1392943.6	1.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 0.5 PPB (RL)

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:28:25
Number of Replicates: 3
Batch ID: 12-02-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\0.5 PPB (RL).015

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.504**	ug/L	9.5	5.556	402.2	11.3
▷	Sc	45		ug/L		1564423.280	1608238.6	2.2
	Cr	52	**0.534**	ug/L	4.7	6991.923	14214.3	1.2
	Mn	55	**0.603**	ug/L	2.7	698.906	14410.6	1.3
	Cu	65	**0.596**	ug/L	5.4	25.556	2395.8	4.5
	Zn	68	**0.502**	ug/L	4.5	213.113	1219.4	4.6
	As	75	**0.551**	ug/L	9.4	70.579	1657.2	8.9
	Se	82	**0.549**	ug/L	7.1	126.667	303.3	5.0
▷	Ge	74		ug/L		1264370.288	1266303.4	1.4
	Ag	107	**0.520**	ug/L	2.0	42.222	7637.6	2.9
	Cd	111	**0.495**	ug/L	5.9	19.111	1720.8	6.1
	Sb	123	**0.505**	ug/L	1.0	61.638	4645.5	2.3
	Ba	137	**0.563**	ug/L	2.2	27.778	3174.8	1.5
▷	Rh	103		ug/L		1329661.454	1343528.7	1.3
	Tl	203	**0.521**	ug/L	1.7	285.558	8915.0	2.7
	Pb	208	**0.535**	ug/L	2.3	863.344	30698.5	0.6
▷	Ho	165		ug/L		1386613.193	1423299.1	1.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSA

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:34:21
Number of Replicates: 3
Batch ID: 12-02-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\MSICSA.017

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.031**	ug/L	14.4	5.556	30.0	11.1
>	Sc	45		ug/L		1564423.280	1597126.0	0.6
	Cr	52	**0.910**	ug/L	2.2	6991.923	19508.3	2.4
	Mn	55	**4.393**	ug/L	2.3	698.906	101565.3	1.1
	Cu	65	**3.872**	ug/L	1.8	25.556	15588.5	2.8
	Zn	68	**4.200**	ug/L	3.3	213.113	8718.7	2.3
	As	75	**0.473**	ug/L	36.1	70.579	1453.4	35.7
	Se	82	**0.617**	ug/L	14.3	126.667	328.9	9.9
>	Ge	74		ug/L		1264370.288	1279547.7	1.4
	Ag	107	**0.057**	ug/L	10.4	42.222	837.8	9.6
	Cd	111	**-0.265**	ug/L	62.2	19.111	-854.3	63.4
	Sb	123	**1.738**	ug/L	0.8	61.638	15144.9	1.6
	Ba	137	**0.374**	ug/L	3.4	27.778	2027.9	4.2
>	Rh	103		ug/L		1329661.454	1285406.3	0.8
	Tl	203	**0.440**	ug/L	4.2	285.558	7101.8	3.4
	Pb	208	**0.697**	ug/L	1.2	863.344	37216.6	1.0
>	Ho	165		ug/L		1386613.193	1334437.0	0.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSAB

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:37:21
Number of Replicates: 3
Batch ID: 12-02-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\MSICSAB.018

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.017**	ug/L	28.3	5.556	18.9	20.4
>	Sc	45		ug/L		1564423.280	1602066.2	0.6
	Cr	52	**20.720**	ug/L	1.5	6991.923	301838.7	1.9
	Mn	55	**24.533**	ug/L	0.6	698.906	587058.2	1.1
	Cu	65	**21.397**	ug/L	2.1	25.556	89524.2	2.5
	Zn	68	**20.356**	ug/L	1.7	213.113	43120.1	1.4
	As	75	**19.578**	ug/L	0.3	70.579	59387.3	0.7
	Se	82	**18.352**	ug/L	2.7	126.667	6335.8	3.0
>	Ge	74		ug/L		1264370.288	1331604.1	0.5
	Ag	107	**19.823**	ug/L	0.6	42.222	280015.6	0.9
	Cd	111	**9.080**	ug/L	2.7	19.111	30171.0	2.7
	Sb	123	**1.876**	ug/L	1.1	61.638	16520.6	1.0
	Ba	137	**0.289**	ug/L	4.1	27.778	1589.0	4.3
>	Rh	103		ug/L		1329661.454	1299172.3	0.3
	Tl	203	**0.100**	ug/L	3.2	285.558	1840.1	2.3
	Pb	208	**0.679**	ug/L	1.4	863.344	36686.1	1.0
>	Ho	165		ug/L		1386613.193	1349938.0	0.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description: 50 PPB QC SOLUTION
Sample Date/Time: Thursday, December 02, 2004 08:45:25
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 3.020

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**48.167**	ug/L	5.6	5.556	39139.5	4.7
⌊>	Sc	45		ug/L		1564423.280	1664565.7	1.1
⌈	Cr	52	**52.701**	ug/L	1.1	6991.923	756928.3	0.9
	Mn	55	**51.235**	ug/L	3.7	698.906	1225976.9	3.0
	Cu	65	**52.433**	ug/L	1.0	25.556	219523.1	1.9
	Zn	68	**51.771**	ug/L	1.4	213.113	109405.0	0.3
	As	75	**51.370**	ug/L	1.1	70.579	155824.1	0.5
	Se	82	**51.980**	ug/L	2.2	126.667	17713.2	1.2
⌊>	Ge	74		ug/L		1264370.288	1332785.7	1.3
⌈	Ag	107	**52.726**	ug/L	1.2	42.222	771065.7	0.4
	Cd	111	**50.725**	ug/L	1.5	19.111	174448.5	2.4
	Sb	123	**52.147**	ug/L	1.5	61.638	473789.5	0.7
	Ba	137	**51.920**	ug/L	1.2	27.778	290443.0	1.1
⌊>	Rh	103		ug/L		1329661.454	1345196.4	0.9
⌈	Tl	203	**52.370**	ug/L	0.7	285.558	883530.0	1.1
	Pb	208	**51.726**	ug/L	1.9	863.344	2935707.2	1.5
⌊>	Ho	165		ug/L		1386613.193	1450028.9	0.6

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description: BLANK
Sample Date/Time: Thursday, December 02, 2004 08:51:28
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 4.021

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.001**	ug/L	565.5	5.556	6.7	86.6
L>	Sc	45		ug/L		1564423.280	1599738.6	2.3
	Cr	52	**-0.022**	ug/L	26.3	6991.923	6925.2	1.7
	Mn	55	**0.004**	ug/L	45.8	698.906	825.6	5.7
	Cu	65	**0.015**	ug/L	29.6	25.556	87.8	20 9
	Zn	68	**-0.009**	ug/L	120.3	213.113	203.1	11.5
	As	75	**0.012**	ug/L	278.7	70.579	108.4	92.0
	Se	82	**-0.050**	ug/L	98.4	126.667	114.4	13.8
L>	Ge	74		ug/L		1264370.288	1309003.2	1.7
	Ag	107	**0.006**	ug/L	34.3	42.222	126.7	22.5
	Cd	111	**-0.002**	ug/L	175.7	19.111	13.6	71.3
	Sb	123	**0.020**	ug/L	19.3	61.638	243.4	12.6
	Ba	137	**0.001**	ug/L	165.0	27.778	33.3	26.5
L>	Rh	103		ug/L		1329661.454	1330569.1	2.3
	Tl	203	**-0.005**	ug/L	26.5	285.558	214.4	7.0
	Pb	208	**-0.005**	ug/L	11.9	863.344	610.0	8.1
L>	Ho	165		ug/L		1386613.193	1423189.2	2.8

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MB

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:54:30
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\MB.022

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.002**	ug/L	260.8	5.556	7.8	65.5
⌊>	Sc	45		ug/L		1564423.280	1647878.9	2.8
⌈	Cr	52	**0.014**	ug/L	257.9	6991.923	7475.1	5.3
|	Mn	55	**0.349**	ug/L	1.1	698.906	8982.8	1.0
|	Cu	65	**0.044**	ug/L	13.9	25.556	208.9	10.6
|	Zn	68	**0.389**	ug/L	8.7	213.113	1030.9	4.9
|	As	75	**0.055**	ug/L	43.9	70.579	236.8	30.4
|	Se	82	**0.057**	ug/L	52.0	126.667	151.1	8.4
⌊>	Ge	74		ug/L		1264370.288	1316330.4	2.0
⌈	Ag	107	**0.004**	ug/L	37.5	42.222	94.4	20.4
|	Cd	111	**0.000**	ug/L	1727.2	19.111	21.1	140.7
|	Sb	123	**0.011**	ug/L	5.1	61.638	163.9	2.3
|	Ba	137	**0.026**	ug/L	11.8	27.778	174.4	10.5
⌊>	Rh	103		ug/L		1329661.454	1342356.0	1.0
⌈	Tl	203	**-0.007**	ug/L	20.1	285.558	177.8	11.9
|	Pb	208	**0.037**	ug/L	2.9	863.344	3000.1	2.3
⌊>	Ho	165		ug/L		1386613.193	1442957.4	1.8

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1 (5X)

Sample Description: 5X
Sample Date/Time: Thursday, December 02, 2004 08:57:30
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1 (5X).023

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens RSD
	Be	9	**0.005**	ug/L	44.4	5.556	11.1	17.3
L>	Sc	45		ug/L		1564423.280	1835662.1	1.8
	Cr	52	**1.105**	ug/L	1.3	6991.923	24281.1	2.2
	Mn	55	**0.381**	ug/L	7.4	698.906	10361.6	8.4
	Cu	65	**7.856**	ug/L	1.5	25.556	34617.4	0.6
	Zn	68	**20.011**	ug/L	0.4	213.113	44640.0	2.3
	As	75	**-0.100**	ug/L	269.2	70.579	-235.6	368.1
	Se	82	**0.067**	ug/L	47.8	126.667	164.4	8.4
L>	Ge	74		ug/L		1264370.288	1402115.3	2.0
	Ag	107	**0.008**	ug/L	19.5	42.222	168.9	14.8
	Cd	111	**0.004**	ug/L	111.4	19.111	35.1	47.4
	Sb	123	**0.033**	ug/L	17.3	61.638	377.2	14.4
	Ba	137	**0.444**	ug/L	0.9	27.778	2604.7	1.3
L>	Rh	103		ug/L		1329661.454	1394929.4	0.6
	Tl	203	**0.004**	ug/L	80.1	285.558	400.0	15.4
	Pb	208	**0.103**	ug/L	5.0	863.344	7344.1	3.4
L>	Ho	165		ug/L		1386613.193	1580873.2	1.1

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:00:32
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1.024

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.005**	ug/L	84.1	5.556	11.1	34.6
>	Sc	45		ug/L		1564423.280	1823628.2	1.1
	Cr	52	**5.610**	ug/L	4.8	6991.923	81640.2	4.1
	Mn	55	**0.950**	ug/L	1.7	698.906	21965.8	1.4
	Cu	65	**39.845**	ug/L	1.4	25.556	156255.7	1.9
	Zn	68	**88.824**	ug/L	0.9	213.113	175677.6	0.5
	As	75	**-0.409**	ug/L	264.9	70.579	-1095.0	280.9
	Se	82	**0.650**	ug/L	20.4	126.667	331.1	13.4
>	Ge	74		ug/L		1264370.288	1248353.4	1.1
	Ag	107	**0.023**	ug/L	8.8	42.222	351.1	9.0
	Cd	111	**-0.008**	ug/L	128.8	19.111	-6.4	487.0
	Sb	123	**0.112**	ug/L	3.7	61.638	1007.0	3.3
	Ba	137	**2.198**	ug/L	2.5	27.778	11452.4	1.3
>	Rh	103		ug/L		1329661.454	1250179.1	1.2
	Tl	203	**0.007**	ug/L	19.2	285.558	402.2	5.5
	Pb	208	**0.358**	ug/L	6.4	863.344	20412.4	6.3
>	Ho	165		ug/L		1386613.193	1394524.8	0.1

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1D

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:03:33
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1D.025

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.003**	ug/L	77.4	5.556	8.9	21.7
>	Sc	45		ug/L		1564423.280	1815228.2	1.4
	Cr	52	**4.959**	ug/L	5.8	6991.923	71191.2	4.4
	Mn	55	**0.978**	ug/L	2.4	698.906	22058.1	1.1
	Cu	65	**39.919**	ug/L	1.3	25.556	152754.6	0.9
	Zn	68	**89.126**	ug/L	0.6	213.113	172026.2	1.2
	As	75	**-1.069**	ug/L	48.2	70.579	-2903.9	50.1
	Se	82	**0.759**	ug/L	3.2	126.667	356.7	2.5
>	Ge	74		ug/L		1264370.288	1218238.6	1.4
	Ag	107	**0.018**	ug/L	25.5	42.222	290.0	23.0
	Cd	111	**-0.000**	ug/L	3374.3	19.111	17.8	29.1
	Sb	123	**0.097**	ug/L	11.2	61.638	880.1	8.7
	Ba	137	**2.155**	ug/L	1.2	27.778	11261.1	3.4
>	Rh	103		ug/L		1329661.454	1253491.9	2.3
	Tl	203	**0.002**	ug/L	155.3	285.558	325.6	15.9
	Pb	208	**0.339**	ug/L	1.8	863.344	19759.9	0.5
>	Ho	165		ug/L		1386613.193	1421753.0	1.2

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1S

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:06:36
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1S.026

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**2.157**	ug/L	10.9	5.556	1765.3	7.9
▷	Sc	45		ug/L		1564423.280	1674064.0	3.1
	Cr	52	**8.518**	ug/L	2.9	6991.923	122665.8	2.7
	Mn	55	**22.705**	ug/L	0.3	698.906	519023.6	0.0
	Cu	65	**11.683**	ug/L	0.3	25.556	46702.9	0.4
	Zn	68	**24.374**	ug/L	1.7	213.113	49279.7	1.6
	As	75	**83.772**	ug/L	0.9	70.579	242501.6	1.0
	Se	82	**84.208**	ug/L	3.7	126.667	27311.7	3.6
▷	Ge	74		ug/L		1264370.288	1272011.8	0.3
	Ag	107	**12.137**	ug/L	0.4	42.222	176171.9	0.9
	Cd	111	**2.059**	ug/L	0.5	19.111	7043.1	0.4
	Sb	123	**61.615**	ug/L	0.7	61.638	555558.0	0.9
	Ba	137	**82.055**	ug/L	2.0	27.778	455466.7	1.4
▷	Rh	103		ug/L		1329661.454	1334901.7	0.8
	Tl	203	**84.970**	ug/L	0.4	285.558	1389528.6	1.3
	Pb	208	**22.612**	ug/L	1.7	863.344	1244550.5	0.6
▷	Ho	165		ug/L		1386613.193	1405796.1	1.6

spike

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1SD

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:09:38
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1SD.027

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**2.150**	ug/L	0.8	5.556	1691.6	3.9
>	Sc	45		ug/L		1564423.280	1606102.7	3.2
	Cr	52	**8.887**	ug/L	1.1	6991.923	126734.9	1.0
	Mn	55	**22.126**	ug/L	0.9	698.906	502059.9	0.2
	Cu	65	**11.571**	ug/L	0.2	25.556	45914.8	1.2
	Zn	68	**24.578**	ug/L	0.9	213.113	49322.5	0.8
	As	75	**83.657**	ug/L	0.4	70.579	240389.8	1.3
	Se	82	**82.637**	ug/L	1.2	126.667	26608.1	1.6
>	Ge	74		ug/L		1264370.288	1262642.7	1.0
	Ag	107	**13.057**	ug/L	0.5	42.222	180530.3	1.0
	Cd	111	**2.115**	ug/L	3.3	19.111	6892.0	3.8
	Sb	123	**64.199**	ug/L	1.7	61.638	551324.0	1.4
	Ba	137	**85.757**	ug/L	1.0	27.778	453453.2	1.6
>	Rh	103		ug/L		1329661.454	1271458.6	0.6
	Tl	203	**86.773**	ug/L	1.9	285.558	1440043.3	1.9
	Pb	208	**21.562**	ug/L	2.6	863.344	1204381.2	1.7
>	Ho	165		ug/L		1386613.193	1427151.8	3.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1PS

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:12:38
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1PS.028

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**1.917**	ug/L	4.9	5.556	1495.1	5.6
>	Sc	45		ug/L		1564423.280	1591910.8	3.4
	Cr	52	**8.606**	ug/L	2.1	6991.923	120074.2	2.5
	Mn	55	**22.139**	ug/L	1.0	698.906	490608.3	1.0
	Cu	65	**11.407**	ug/L	0.7	25.556	44202.7	0.2
	Zn	68	**24.741**	ug/L	0.5	213.113	48486.4	0.8
	As	75	**84.007**	ug/L	1.6	70.579	235742.4	1.8
	Se	82	**84.671**	ug/L	2.2	126.667	26619.2	1.7
>	Ge	74		ug/L		1264370.288	1233062.1	0.5
	Ag	107	**12.537**	ug/L	1.6	42.222	172351.4	1.4
	Cd	111	**2.081**	ug/L	0.7	19.111	6743.2	0.2
	Sb	123	**61.941**	ug/L	0.9	61.638	528929.3	0.4
	Ba	137	**82.771**	ug/L	1.1	27.778	435155.1	0.8
>	Rh	103		ug/L		1329661.454	1264253.3	0.5
	Tl	203	**85.574**	ug/L	0.3	285.558	1372098.3	1.6
	Pb	208	**21.661**	ug/L	2.5	863.344	1168861.6	1.5
>	Ho	165		ug/L		1386613.193	1378357.3	1.9

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BS

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:15:34
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\BS.029

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**1.967**	ug/L	7.0	5.556	1531.0	4.7
L>	Sc	45		ug/L		1564423.280	1590294.0	2.9
	Cr	52	**8.425**	ug/L	2.7	6991.923	119904.8	3.8
	Mn	55	**22.101**	ug/L	2.6	698.906	498779.0	1.4
	Cu	65	**10.363**	ug/L	1.3	25.556	40900.7	0.1
	Zn	68	**21.736**	ug/L	1.6	213.113	43410.8	1.1
	As	75	**81.638**	ug/L	1.9	70.579	233316.4	0.6
	Se	82	**81.808**	ug/L	1.9	126.667	26199.6	0.6
L>	Ge	74		ug/L		1264370.288	1256004.9	1.3
	Ag	107	**12.445**	ug/L	1.0	42.222	174393.7	1.4
	Cd	111	**2.028**	ug/L	2.3	19.111	6700.3	3.4
	Sb	123	**61.282**	ug/L	0.7	61.638	533444.7	1.3
	Ba	137	**83.001**	ug/L	0.7	27.778	444818.8	1.4
L>	Rh	103		ug/L		1329661.454	1288711.0	1.2
	Tl	203	**83.461**	ug/L	1.1	285.558	1363498.9	0.5
	Pb	208	**20.768**	ug/L	2.4	863.344	1142023.2	1.6
L>	Ho	165		ug/L		1386613.193	1404440.7	1.1

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BSD

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:18:30
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\BSD.030

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**2.144**	ug/L	9.6	5.556	1671.8	9.0
->	Sc	45		ug/L		1564423.280	1592162.7	0.6
⌈	Cr	52	**8.924**	ug/L	0.9	6991.923	124746.0	1.0
|	Mn	55	**22.910**	ug/L	2.7	698.906	509623.6	2.2
|	Cu	65	**11.015**	ug/L	1.9	25.556	42848.6	1.5
|	Zn	68	**22.159**	ug/L	2.5	213.113	43612.8	1.1
|	As	75	**85.903**	ug/L	1.2	70.579	242004.1	1.1
|	Se	82	**85.569**	ug/L	1.5	126.667	27006.6	0.8
⌊>	Ge	74		ug/L		1264370.288	1238004.4	1.4
⌈	Ag	107	**12.727**	ug/L	0.9	42.222	179307.3	1.2
|	Cd	111	**2.132**	ug/L	7.2	19.111	7079.4	7.5
|	Sb	123	**64.079**	ug/L	1.7	61.638	560716.1	0.8
|	Ba	137	**84.296**	ug/L	2.2	27.778	454126.3	1.6
⌊>	Rh	103		ug/L		1329661.454	1295604.9	0.9
⌈	Tl	203	**86.222**	ug/L	1.4	285.558	1401808.3	2.0
|	Pb	208	**22.287**	ug/L	1.6	863.344	1219557.0	1.2
⌊>	Ho	165		ug/L		1386613.193	1397483.2	0.6

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: LCS

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:21:27
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\LCS.031

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**1.967**	ug/L	7.4	5.556	1550.9	5.6
⌊>	Sc	45		ug/L		1564423.280	1610597.3	2.1
⌈	Cr	52	**8.651**	ug/L	3.8	6991.923	121492.4	2.5
|	Mn	55	**22.605**	ug/L	2.5	698.906	504437.9	1.9
|	Cu	65	**10.866**	ug/L	0.5	25.556	42407.3	0.9
|	Zn	68	**21.791**	ug/L	0.9	213.113	43031.9	0.7
|	As	75	**84.381**	ug/L	0.7	70.579	238474.1	1.1
|	Se	82	**85.880**	ug/L	1.3	126.667	27191.4	1.3
⌊>	Ge	74		ug/L		1264370.288	1241889.8	1.2
⌈	Ag	107	**12.469**	ug/L	0.9	42.222	176103.3	0.8
|	Cd	111	**2.122**	ug/L	1.9	19.111	7062.3	1.8
|	Sb	123	**62.159**	ug/L	0.4	61.638	545309.3	0.4
|	Ba	137	**83.695**	ug/L	2.1	27.778	452049.7	2.2
⌊>	Rh	103		ug/L		1329661.454	1298799.2	0.1
⌈	Tl	203	**83.010**	ug/L	0.4	285.558	1366317.0	0.2
|	Pb	208	**21.219**	ug/L	1.2	863.344	1175714.3	1.2
⌊>	Ho	165		ug/L		1386613.193	1414885.4	0.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: LCS

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:21:27
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\LCS.031

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**2.315**	ug/L	7.4	5.556	1824.6	5.6
▷	Sc	45		ug/L		1564423.280	1610597.3	2.1
	Cr	52	**8.651**	ug/L	3.8	6991.923	121492.4	2.5
	Mn	55	**22.605**	ug/L	2.5	698.906	504437.9	1.9
	Cu	65	**10.866**	ug/L	0.5	25.556	42407.3	0.9
	Zn	68	**21.791**	ug/L	0.9	213.113	43031.9	0.7
	As	75	**84.381**	ug/L	0.7	70.579	238474.1	1.1
	Se	82	**85.880**	ug/L	1.3	126.667	27191.4	1.3
▷	Ge	74		ug/L		1264370.288	1241889.8	1.2
	Ag	107	**12.469**	ug/L	0.9	42.222	176103.3	0.8
	Cd	111	**2.122**	ug/L	1.9	19.111	7062.3	1.8
	Sb	123	**62.159**	ug/L	0.4	61.638	545309.3	0.4
	Ba	137	**83.695**	ug/L	2.1	27.778	452049.7	2.2
▷	Rh	103		ug/L		1329661.454	1298799.2	0.1
	Tl	203	**83.010**	ug/L	0.4	285.558	1366317.0	0.2
	Pb	208	**21.219**	ug/L	1.2	863.344	1175714.3	1.2
▷	Ho	165		ug/L		1386613.193	1414885.4	0.4

LCS

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:24:27
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 3.032

Results (ug / l)

Dual Detector Mode

Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Be	9	**49.767**	ug/L	6.2	5.556	38032.8	5.0
Sc	45		ug/L		1564423.280	1565720.8	1.2
Cr	52	**50.829**	ug/L	2.2	6991.923	685776.1	1.6
Mn	55	**51.400**	ug/L	1.3	698.906	1155184.1	1.3
Cu	65	**51.936**	ug/L	2.3	25.556	204186.2	2.6
Zn	68	**52.227**	ug/L	0.5	213.113	103651.8	1.0
As	75	**50.948**	ug/L	0.1	70.579	145137.7	0.6
Se	82	**53.223**	ug/L	0.5	126.667	17031.3	1.1
Ge	74		ug/L		1264370.288	1251537.2	0.6
Ag	107	**50.444**	ug/L	0.9	42.222	714831.4	0.4
Cd	111	**49.718**	ug/L	0.6	19.111	165681.0	1.7
Sb	123	**50.419**	ug/L	2.5	61.638	443849.0	1.4
Ba	137	**50.820**	ug/L	3.1	27.778	275420.3	1.9
Rh	103		ug/L		1329661.454	1303521.9	1.3
Tl	203	**50.810**	ug/L	2.3	285.558	816048.9	1.4
Pb	208	**51.914**	ug/L	1.3	863.344	2805420.8	1.5
Ho	165		ug/L		1386613.193	1380675.1	1.6

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:30:30
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 4.033

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.009**	ug/L	186.9	5.556	12.2	103.3
⌊>	Sc	45		ug/L		1564423.280	1541899.1	1.4
⌈	Cr	52	**-0.045**	ug/L	61.3	6991.923	6195.5	6.9
	Mn	55	**0.044**	ug/L	5.7	698.906	1655.7	2.4
	Cu	65	**0.003**	ug/L	60.6	25.556	37.8	20.4
	Zn	68	**0.053**	ug/L	18.3	213.113	309.8	6.0
	As	75	**0.003**	ug/L	901.9	70.579	76.6	99.7
	Se	82	**-0.045**	ug/L	111.6	126.667	108.9	15.1
⌊>	Ge	74		ug/L		1264370.288	1227299.4	1.0
⌈	Ag	107	**0.003**	ug/L	19.0	42.222	87.8	11.0
	Cd	111	**0.004**	ug/L	51.1	19.111	32.7	21.5
	Sb	123	**0.034**	ug/L	18.9	61.638	351.8	15.1
	Ba	137	**0.001**	ug/L	162.3	27.778	31.1	22.3
⌊>	Rh	103		ug/L		1329661.454	1286782.6	1.0
⌈	Tl	203	**0.047**	ug/L	15.2	285.558	1013.4	10.8
	Pb	208	**0.006**	ug/L	10.0	863.344	1135.6	3.3
⌊>	Ho	165		ug/L		1386613.193	1350069.9	1.2

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-2

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:33:00
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-2.034

Results (ug / l)

Dual Detector Mode

Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Be	9	**0.011**	ug/L	90.4	5.556	14 4	53.3
Sc	45		ug/L		1564423.280	1657911.4	0.4
Cr	52	**6.097**	ug/L	3.3	6991.923	79567.2	2.1
Mn	55	**0.979**	ug/L	4.6	698.906	20429.1	4.5
Cu	65	**38.344**	ug/L	2.4	25.556	135772.3	1.6
Zn	68	**91.256**	ug/L	1.2	213.113	162989.7	1 4
As	75	**0.603**	ug/L	80.9	70.579	1614.6	77.7
Se	82	**0.693**	ug/L	6.7	126.667	311.1	4.3
Ge	74		ug/L		1264370.288	1127312.5	0.9
Ag	107	**0.027**	ug/L	14.2	42.222	368.9	11.3
Cd	111	**-0.012**	ug/L	34.9	19.111	-17.3	65.7
Sb	123	**0.139**	ug/L	7.8	61.638	1097.8	7.8
Ba	137	**2.126**	ug/L	4.2	27.778	9895.7	3.7
Rh	103		ug/L		1329661.454	1116979.7	1.5
Tl	203	**0.039**	ug/L	12.7	285.558	882.2	7.2
Pb	208	**0.335**	ug/L	2.2	863.344	18368.0	0.6
Ho	165		ug/L		1386613.193	1339544.6	1.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-10

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:35:58
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-10.035

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.010**	ug/L	112.5	5.556	13.3	66.1
▷	Sc	45		ug/L		1564423.280	1541330.0	1.1
	Cr	52	**4.291**	ug/L	3.3	6991.923	55895.4	2.4
	Mn	55	**0.373**	ug/L	0.4	698.906	7901.1	1.0
	Cu	65	**0.133**	ug/L	11.7	25.556	475.6	11.6
	Zn	68	**2.443**	ug/L	9.6	213.113	4395.1	9.5
	As	75	**-0.297**	ug/L	44.1	70.579	-676.0	48.5
	Se	82	**0.570**	ug/L	47.4	126.667	266.7	27.9
▷	Ge	74		ug/L		1264370.288	1089209.8	0.6
	Ag	107	**0.043**	ug/L	4.2	42.222	563.3	2.7
	Cd	111	**0.005**	ug/L	108.1	19.111	31.6	52.4
	Sb	123	**0.066**	ug/L	9.1	61.638	556.5	9.5
	Ba	137	**0.085**	ug/L	9.8	27.778	421.1	9.2
▷	Rh	103		ug/L		1329661.454	1124748.0	1.3
	Tl	203	**0.024**	ug/L	9.3	285.558	653.3	5.7
	Pb	208	**0.022**	ug/L	12.9	863.344	2015.6	8.3
▷	Ho	165		ug/L		1386613.193	1342494.6	0.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-5

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:38:56
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125059-5.036

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.785**	ug/L	6.0	5.556	941.1	5.3
⌊>	Sc	45		ug/L		1564423.280	2434354.0	0.7
⌈	Cr	52	**31.811**	ug/L	0.9	6991.923	358399.5	2.1
|	Mn	55	**473.290**	ug/L	1.5	698.906	8822159.3	0.2
|	Cu	65	**204.069**	ug/L	0.9	25.556	665713.7	0.5
|	Zn	68	**21.190**	ug/L	0.5	213.113	35005.0	1.0
|	As	75	**2.497**	ug/L	39.1	70.579	5958.5	38.7
|	Se	82	**1.288**	ug/L	18.9	126.667	443.3	13.6
⌊>	Ge	74		ug/L		1264370.288	1038686.0	1.3
⌈	Ag	107	**0.376**	ug/L	2.5	42.222	4358.4	3.7
|	Cd	111	**-0.176**	ug/L	7.2	19.111	-459.6	8.6
|	Sb	123	**0.233**	ug/L	8.3	61.638	1709.2	6.7
|	Ba	137	**70.206**	ug/L	2.1	27.778	308711.1	0.7
⌊>	Rh	103		ug/L		1329661.454	1057622.2	1.7
⌈	Tl	203	**0.053**	ug/L	11.2	285.558	1058.9	6.6
|	Pb	208	**13.650**	ug/L	2.8	863.344	692764.2	0.7
⌊>	Ho	165		ug/L		1386613.193	1296055.3	2.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125082-1

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:41:55
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125082-1.037

Results (ug / l)

Dual Detector Mode

Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Be	9	**0.016**	ug/L	28.9	5.556	16.7	20.0
Sc	45		ug/L		1564423.280	1470001.5	1.1
Cr	52	**4.185**	ug/L	6.6	6991.923	51930.8	6.0
Mn	55	**0.700**	ug/L	1.7	698.906	13560.9	1.7
Cu	65	**0.141**	ug/L	10.2	25.556	477.8	10.3
Zn	68	**2.810**	ug/L	5.7	213.113	4776.1	5.8
As	75	**0.088**	ug/L	841.3	70.579	272.6	643.9
Se	82	**0.697**	ug/L	9.5	126.667	286.7	6.5
Ge	74		ug/L		1264370.288	1034597.4	0.6
Ag	107	**0.072**	ug/L	6.0	42.222	893.4	6.0
Cd	111	**-0.006**	ug/L	173.8	19.111	0.0	145045490.8
Sb	123	**0.064**	ug/L	19.5	61.638	524.4	17.4
Ba	137	**0.123**	ug/L	7.8	27.778	587.8	8.0
Rh	103		ug/L		1329661.454	1100564.1	1.1
Tl	203	**0.011**	ug/L	33.7	285.558	427.8	13.4
Pb	208	**0.022**	ug/L	5.0	863.344	1948.9	1.8
Ho	165		ug/L		1386613.193	1297387.9	1.3

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:44:56
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 3.038

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**52.360**	ug/L	5.0	5.556	38151.3	5.1
>	Sc	45		ug/L		1564423.280	1492136.1	1.2
	Cr	52	**51.946**	ug/L	1.1	6991.923	636193.4	0.6
	Mn	55	**51.590**	ug/L	1.0	698.906	1052743.2	1.7
	Cu	65	**51.627**	ug/L	2.0	25.556	184253.0	1.3
	Zn	68	**52.416**	ug/L	0.8	213.113	94442.7	0.5
	As	75	**50.554**	ug/L	2.2	70.579	130743.3	1.9
	Se	82	**50.757**	ug/L	2.7	126.667	14749.8	2.0
>	Ge	74		ug/L		1264370.288	1136284.2	0.8
	Ag	107	**50.371**	ug/L	2.7	42.222	650988.9	1.2
	Cd	111	**51.849**	ug/L	3.0	19.111	157549.9	1.2
	Sb	123	**51.594**	ug/L	1.3	61.638	414351.0	1.1
	Ba	137	**52.599**	ug/L	3.1	27.778	260003.8	1.2
>	Rh	103		ug/L		1329661.454	1189098.0	1.9
	Tl	203	**53.206**	ug/L	1.4	285.558	835697.2	2.0
	Pb	208	**52.706**	ug/L	2.8	863.344	2784379.5	1.3
>	Ho	165		ug/L		1386613.193	1350196.0	2.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:50:58
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 4.039

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens RSD
⌈	Be	9	**0.002**	ug/L	629.0	5.556	6.7	132.3
⌊>	Sc	45		ug/L		1564423.280	1447693.0	3.2
⌈	Cr	52	**-0.148**	ug/L	9.6	6991.923	4486.0	3.0
|	Mn	55	**0.272**	ug/L	9.7	698.906	6166.9	9.1
|	Cu	65	**0.005**	ug/L	53.2	25.556	42.2	24.1
|	Zn	68	**0.198**	ug/L	21.0	213.113	546.4	12.8
|	As	75	**0.138**	ug/L	11.3	70.579	419.6	9.1
|	Se	82	**-0.040**	ug/L	111.0	126.667	102.2	13.2
⌊>	Ge	74		ug/L		1264370.288	1136098.6	0.9
⌈	Ag	107	**0.006**	ug/L	9.5	42.222	111.1	6.9
|	Cd	111	**0.011**	ug/L	70.5	19.111	52.4	47.8
|	Sb	123	**0.020**	ug/L	12.6	61.638	221.2	10.4
|	Ba	137	**0.002**	ug/L	185.6	27.778	33.3	45.8
⌊>	Rh	103		ug/L		1329661.454	1203137.6	1.0
⌈	Tl	203	**0.007**	ug/L	19.9	285.558	387.8	4.3
|	Pb	208	**0.017**	ug/L	18.2	863.344	1723.4	10.4
⌊>	Ho	165		ug/L		1386613.193	1327026.1	1.6

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/2/04 8:33:47 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:19 AM,

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542	562561.0	6025.97	1.07%	100.00	%
Sc 361.383	1119881.4	15768.34	1.41%	100.0	%
As 188.979†	-7.3	1.24	16.93%	[0.00]	mg/L
Cr 267.716†	-149.1	59.38	39.83%	[0.00]	mg/L
Cu 327.393†	-7772.7	69.55	0.89%	[0.00]	mg/L
Ni 231.604†	-22.2	3.29	14.80%	[0.00]	mg/L
Zn 206.200†	-16.6	5.30	31.86%	[0.00]	mg/L
Co 228.616†	-44.3	2.05	4.62%	[0.00]	mg/L
V 292.402†	643.0	22.30	3.47%	[0.00]	mg/L
K 766.490†	8.9	0.59	6.68%	[0.00]	mg/L
Na 330.237	3422.7	195.67	5.72%	[0.00]	mg/L
Al 308.215†	3172.9	56.21	1.77%	[0.00]	mg/L
Fe 273.955†	-95.6	55.13	57.64%	[0.00]	mg/L
Ca 315.887†	162.4	6.20	3.82%	[0.00]	mg/L
Mg 279.077†	-17.0	3.73	21.96%	[0.00]	mg/L
Mo 202.031†	0.6	5.24	843.29%	[0.00]	mg/L

Sequence No.: 2
Sample ID: High Standard
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 12/2/04 8:39:48 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:20 AM,

Mean Data: High Standard

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542	567787.7	5776.43	1.02%	100.9	%
Sc 361.383	1139756.8	9596.31	0.84%	101.8	%
As 188.979†	1571.8	12.42	0.79%	[2.00]	mg/L
Cr 267.716†	124749.3	1561.06	1.25%	[2.00]	mg/L
Cu 327.393†	182975.2	2617.04	1.43%	[2.00]	mg/L
Ni 231.604†	51582.6	820.52	1.59%	[2.00]	mg/L
Zn 206.200†	37962.7	398.96	1.05%	[2.00]	mg/L
Co 228.616†	65260.3	885.86	1.36%	[2.00]	mg/L
V 292.402†	204039.5	2434.38	1.19%	[2.00]	mg/L
K 766.490†	708.5	9.04	1.28%	[20.0]	mg/L
Na 330.237	11247.1	281.25	2.50%	[20.0]	mg/L
Al 308.215†	210349.5	2861.96	1.36%	[20.0]	mg/L
Fe 273.955†	295131.7	3345.98	1.13%	[20.0]	mg/L
Ca 315.887†	23838.1	388.48	1.63%	[20.0]	mg/L
Mg 279.077†	6454.9	87.08	1.35%	[20.0]	mg/L
Mo 202.031†	12194.0	69.21	0.57%	[2.00]	mg/L

Sequence No.: 3
Sample ID: ICV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 12/2/04 8:55:50 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:21 AM,

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	591608.7	105.2	%	1.35				1.28%
Sc 361.383	1184031.3	105.7	%	1.25				1.18%
As 188.979†	1504.0	1.914	mg/L	0.0206	1.914	mg/L	0.0206	1.08%

```
   QC value within limits for As 188.979  Recovery = 95.68%
Cr 267.716†            6036.8      0.0968 mg/L       0.00118      0.0968 mg/L       0.00118   1.22%
   QC value within limits for Cr 267.716  Recovery = 96.78%
Cu 327.393†           18948.1      0.2071 mg/L       0.00391      0.2071 mg/L       0.00391   1.89%
   QC value within limits for Cu 327.393  Recovery = 103.56%
Ni 231.604†           10789.6      0.4183 mg/L       0.00464      0.4183 mg/L       0.00464   1.11%
   QC value within limits for Ni 231.604  Recovery = 104.59%
Zn 206.200†            3935.0      0.2073 mg/L       0.00192      0.2073 mg/L       0.00192   0.93%
   QC value within limits for Zn 206.200  Recovery = 103.65%
Co 228.616-           16830.9      0.5158 mg/L       0.00518      0.5158 mg/L       0.00518   1.00%
   QC value within limits for Co 228.616  Recovery = 103.16%
V 292.402†            51508.9      0.5049 mg/L       0.00763      0.5049 mg/L       0.00763   1.51%
   QC value within limits for V 292.402  Recovery = 100.98%
K 766.490†              355.0       10.02 mg/L         0.142       10.02 mg/L         0.142   1.42%
   QC value within limits for K 766.490  Recovery = 100.22%
Na 330.237             2807.2       4.992 mg/L        0.3687       4.992 mg/L        0.3687   7.39%
   QC value within limits for Na 330.237  Recovery = 99.84%
Al 308.215†           21012.1       1.998 mg/L        0.0302       1.998 mg/L        0.0302   1.51%
   QC value within limits for Al 308.215  Recovery = 99.89%
Fe 273.955†           15195.2       1.030 mg/L        0.0116       1.030 mg/L        0.0116   1.13%
   QC value within limits for Fe 273.955  Recovery = 102.97%
Ca 315.887†            5955.4       4.997 mg/L        0.1578       4.997 mg/L        0.1578   3.16%
   QC value within limits for Ca 315.887  Recovery = 99.93%
Mg 279.077†            1607.4       4.980 mg/L        0.0668       4.980 mg/L        0.0668   1.34%
   QC value within limits for Mg 279.077  Recovery = 99.61%
Mo 202.031†            3030.1      0.4970 mg/L       0.00536      0.4970 mg/L       0.00536   1.08%
   QC value within limits for Mo 202.031  Recovery = 99.40%
All analytes passed QC.
```

Sequence No.: 4 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 12/2/04 9:01:21 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:09:22 AM,**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	599188.6	106.5	%	3.41				3.20%
Sc 361.383	1199588.5	107.1	%	3.49				3.26%
As 188.979†	3.4	0.0044	mg/L	0.00219	0.0044	mg/L	0.00219	50.29%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	26.5	0.0004	mg/L	0.00060	0.0004	mg/L	0.00060	141.40%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-45.8	-0.0005	mg/L	0.00076	-0.0005	mg/L	0.00076	151.28%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	9.3	0.0004	mg/L	0.00039	0.0004	mg/L	0.00039	109.54%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	7.8	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	17.93%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Co 228.616†	-5.3	-0.0002	mg/L	0.00023	-0.0002	mg/L	0.00023	145.48%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	-61.3	-0.0006	mg/L	0.00061	-0.0006	mg/L	0.00061	101.25%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	1.6	0.0458	mg/L	0.03146	0.0458	mg/L	0.03146	68.65%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	-127.9	-0.2273	mg/L	0.25320	-0.2273	mg/L	0.25320	111.37%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-181.0	-0.0172	mg/L	0.00676	-0.0172	mg/L	0.00676	39.27%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	21.9	0.0015	mg/L	0.00178	0.0015	mg/L	0.00178	119.99%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	-11.7	-0.0098	mg/L	0.00652	-0.0098	mg/L	0.00652	66.59%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	2.3	0.0071	mg/L	0.00494	0.0071	mg/L	0.00494	69.61%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mo 202.031†	22.7	0.0037	mg/L	0.00085	0.0037	mg/L	0.00085	22.95%
QC value within limits for Mo 202.031 Recovery = Not calculated								

All analytes passed QC.

Sequence No.: 5
Sample ID: RL-STD
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 12/2/04 9:16:43 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:24 AM,

Mean Data: RL-STD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	604959.9	107.5	%	2.22				2.06%
Sc 361.383	1211465.6	108.2	%	2.26				2.09%
As 188.979†	8.0	0.0102	mg/L	0.00622	0.0102	mg/L	0.00622	60.94%
QC value within limits for As 188.979 Recovery = 102.08%								
Cr 267.716†	645.9	0.0104	mg/L	0.00039	0.0104	mg/L	0.00039	3.72%
QC value within limits for Cr 267.716 Recovery = 103.55%								
Cu 327.393†	813.3	0.0089	mg/L	0.00115	0.0089	mg/L	0.00115	12.94%
QC value within limits for Cu 327.393 Recovery = 88.90%								
Ni 231.604†	277.7	0.0108	mg/L	0.00057	0.0108	mg/L	0.00057	5.25%
QC value within limits for Ni 231.604 Recovery = 107.69%								
Zn 206.200†	205.2	0.0108	mg/L	0.00044	0.0108	mg/L	0.00044	4.08%
QC value within limits for Zn 206.200 Recovery = 108.11%								
Co 228.616†	336.4	0.0103	mg/L	0.00032	0.0103	mg/L	0.00032	3.13%
QC value within limits for Co 228.616 Recovery = 103.09%								
V 292.402†	914.3	0.0090	mg/L	0.00044	0.0090	mg/L	0.00044	4.96%
QC value within limits for V 292.402 Recovery = 89.62%								
K 766.490†	35.3	0.9975	mg/L	0.03600	0.9975	mg/L	0.03600	3.61%
QC value within limits for K 766.490 Recovery = 99.75%								
Na 330.237	551.9	0.9814	mg/L	0.46366	0.9814	mg/L	0.46366	47.24%
QC value within limits for Na 330.237 Recovery = 98.14%								
Al 308.215†	9867.9	0.9382	mg/L	0.00772	0.9382	mg/L	0.00772	0.82%
QC value within limits for Al 308.215 Recovery = 93.82%								
Fe 273.955†	14359.4	0.9731	mg/L	0.00251	0.9731	mg/L	0.00251	0.26%
QC value within limits for Fe 273.955 Recovery = 97.31%								
Ca 315.887†	1111.0	0.9321	mg/L	0.03133	0.9321	mg/L	0.03133	3.36%
QC value within limits for Ca 315.887 Recovery = 93.21%								
Mg 279.077†	302.8	0.9381	mg/L	0.04019	0.9381	mg/L	0.04019	4.28%
QC value within limits for Mg 279.077 Recovery = 93.81%								
Mo 202.031†	55.2	0.0091	mg/L	0.00032	0.0091	mg/L	0.00032	3.57%
QC value within limits for Mo 202.031 Recovery = 90.61%								

All analytes passed QC.

Sequence No.: 6
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/2/04 9:26:39 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:25 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	575434.9	102.3	%	4.75				4.65%
Sc 361.383	1152335.9	102.9	%	6.56				6.38%
As 188.979†	10.4	0.0132	mg/L	0.00358	0.0132	mg/L	0.00358	27.14%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	122.6	0.0020	mg/L	0.00006	0.0020	mg/L	0.00006	3.00%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-2037.2	-0.0223	mg/L	0.00304	-0.0223	mg/L	0.00304	13.63%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	-66.5	-0.0026	mg/L	0.00054	-0.0026	mg/L	0.00054	20.91%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	251.2	0.0132	mg/L	0.00040	0.0132	mg/L	0.00040	3.02%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Co 228.616†	-38.8	-0.0012	mg/L	0.00087	-0.0012	mg/L	0.00087	73.50%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	188.9	0.0019	mg/L	0.00053	0.0019	mg/L	0.00053	28.52%
QC value within limits for V 292.402 Recovery = Not calculated								

K 766.490†	6.3	0.1782 mg/L	0.04148	0.1782 mg/L	0.04148	23.28%
QC value within limits for K 766.490 Recovery = Not calculated						
Na 330.237	68046.4	121.0 mg/L	9.45	121.0 mg/L	9.45	7.81%
QC value within limits for Na 330.237 Recovery = 121.00%						
Al 308.215†	1234296.2	117.4 mg/L	4.20	117.4 mg/L	4.20	3.58%
QC value within limits for Al 308.215 Recovery = 97.80%						
Fe 273.955†	6629535.8	449.3 mg/L	1.16	449.3 mg/L	1.16	0.26%
QC value within limits for Fe 273.955 Recovery = 89.85%						
Ca 315.887†	692520.6	581.0 mg/L	22.93	581.0 mg/L	22.93	3.95%
QC value within limits for Ca 315.887 Recovery = 96.84%						
Mg 279.077†	90988.9	281.9 mg/L	11.72	281.9 mg/L	11.72	4.16%
QC value within limits for Mg 279.077 Recovery = 93.97%						
Mo 202.031†	70.6	0.0116 mg/L	0.00071	0.0116 mg/L	0.00071	6.12%
QC value within limits for Mo 202.031 Recovery = Not calculated						

All analytes passed QC.

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 12/2/04 9:32:22 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:27 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	575827.5	102.4	%	4.18				4.08%
Sc 361.383	1127184.0	100.7	%	3.85				3.82%
As 188.979†	7651.0	9.735	mg/L	0.3711	9.735	mg/L	0.3711	3.81%
QC value within limits for As 188.979 Recovery = 97.35%								
Cr 267.716†	174751.0	2.802	mg/L	0.1112	2.802	mg/L	0.1112	3.97%
QC value within limits for Cr 267.716 Recovery = 93.39%								
Cu 327.393†	260875.5	2.851	mg/L	0.1249	2.851	mg/L	0.1249	4.38%
QC value within limits for Cu 327.393 Recovery = 95.05%								
Ni 231.604†	67950.7	2.635	mg/L	0.1101	2.635	mg/L	0.1101	4.18%
QC value within limits for Ni 231.604 Recovery = 87.82%								
Zn 206.200†	50194.3	2.644	mg/L	0.1081	2.644	mg/L	0.1081	4.09%
QC value within limits for Zn 206.200 Recovery = 88.15%								
Co 228.616†	87360.0	2.677	mg/L	0.1092	2.677	mg/L	0.1092	4.08%
QC value within limits for Co 228.616 Recovery = 89.24%								
V 292.402†	301193.6	2.952	mg/L	0.1206	2.952	mg/L	0.1206	4.09%
QC value within limits for V 292.402 Recovery = 98.41%								
K 766.490†	7487.1	211.4	mg/L	9.52	211.4	mg/L	9.52	4.50%
QC value within limits for K 766.490 Recovery = 105.68%								
Na 330.237	61943.1	110.1	mg/L	4.92	110.1	mg/L	4.92	4.46%
QC value within limits for Na 330.237 Recovery = 110.15%								
Al 308.215†	1208904.5	114.9	mg/L	4.81	114.9	mg/L	4.81	4.18%
QC value within limits for Al 308.215 Recovery = 95.79%								
Fe 273.955†	6532713.3	442.7	mg/L	1.65	442.7	mg/L	1.65	0.37%
QC value within limits for Fe 273.955 Recovery = 88.54%								
Ca 315.887†	650806.1	546.0	mg/L	28.58	546.0	mg/L	28.58	5.23%
QC value within limits for Ca 315.887 Recovery = 91.00%								
Mg 279.077†	85905.3	266.2	mg/L	13.86	266.2	mg/L	13.86	5.21%
QC value within limits for Mg 279.077 Recovery = 88.72%								
Mo 202.031†	18085.7	2.966	mg/L	0.1215	2.966	mg/L	0.1215	4.09%
QC value within limits for Mo 202.031 Recovery = 98.88%								

All analytes passed QC.

Reprocessing Begun
Logged In Analyst: Seattle_inst_Metals Technique: ICP Continuous

Results Data Set (original): 120204
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): tp774
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 5
Sample ID: CCV Date Collected: 12/2/04 3:04:45 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 8:11:19 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	620390.4	101.8	%	2.01				1.98%
Sc 361.383	1242379.6	102.0	%	1.88				1.84%
As 188.979†	773.1	0.9934	mg/L	0.02138	0.9934	mg/L	0.02138	2.15%
QC value within limits for As 188.979 Recovery = 99.34%								
Cr 267.716†	61364.7	0.9911	mg/L	0.01402	0.9911	mg/L	0.01402	1.41%
QC value within limits for Cr 267.716 Recovery = 99.11%								
Cu 327.393†	88473.5	0.9888	mg/L	0.01321	0.9888	mg/L	0.01321	1.34%
QC value within limits for Cu 327.393 Recovery = 98.88%								
Ni 231.604†	25598.0	0.9988	mg/L	0.01533	0.9988	mg/L	0.01533	1.54%
QC value within limits for Ni 231.604 Recovery = 99.88%								
Zn 206.200†	18831.4	0.9921	mg/L	0.01895	0.9921	mg/L	0.01895	1.91%
QC value within limits for Zn 206.200 Recovery = 99.21%								
Co 228.616†	32501.8	1.002	mg/L	0.0158	1.002	mg/L	0.0158	1.58%
QC value within limits for Co 228.616 Recovery = 100.23%								
V 292.402†	99359.5	0.9828	mg/L	0.00976	0.9828	mg/L	0.00976	0.99%
QC value within limits for V 292.402 Recovery = 98.28%								
K 766.490†	354.5	10.08	mg/L	0.215	10.08	mg/L	0.215	2.14%
QC value within limits for K 766.490 Recovery = 100.80%								
Na 330.237†	4985.3	9.102	mg/L	0.1612	9.102	mg/L	0.1612	1.77%
QC value within limits for Na 330.237 Recovery = 91.02%								
Al 308.215†	103042.1	9.867	mg/L	0.1542	9.867	mg/L	0.1542	1.56%
QC value within limits for Al 308.215 Recovery = 98.67%								
Fe 273.955†	145428.7	9.939	mg/L	0.0999	9.939	mg/L	0.0999	1.00%
QC value within limits for Fe 273.955 Recovery = 99.39%								
Ca 315.887†	11820.2	9.999	mg/L	0.1101	9.999	mg/L	0.1101	1.10%
QC value within limits for Ca 315.887 Recovery = 99.99%								
Mg 279.077†	3218.8	10.14	mg/L	0.077	10.14	mg/L	0.077	0.76%
QC value within limits for Mg 279.077 Recovery = 101.37%								

All analytes passed QC.

Sequence No.: 2 Autosampler Location: 6
Sample ID: CCB Date Collected: 12/2/04 3:10:19 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 8:12:01 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	612322.7	100.5	%	0.27				0.26%
Sc 361.383	1225108.1	100.6	%	0.30				0.30%
As 188.979†	1.5	0.0020	mg/L	0.00325	0.0020	mg/L	0.00325	164.82%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	16.8	0.0003	mg/L	0.00030	0.0003	mg/L	0.00030	110.76%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	260.7	0.0029	mg/L	0.00449	0.0029	mg/L	0.00449	153.94%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	10.1	0.0004	mg/L	0.00034	0.0004	mg/L	0.00034	86.53%

QC value within limits for Ni 231.604 Recovery = Not calculated

Zn 206.200†	67.3	0.0035 mg/L	0.00021	0.0035 mg/L	0.00021	6.00%

QC value within limits for Zn 206.200 Recovery = Not calculated

Co 228.616†	10.4	0.0003 mg/L	0.00023	0.0003 mg/L	0.00023	72.18%

QC value within limits for Co 228.616 Recovery = Not calculated

V 292.402†	-16.4	-0.0002 mg/L	0.00025	-0.0002 mg/L	0.00025	157.21%

QC value within limits for V 292.402 Recovery = Not calculated

K 766.490†	-0.9	-0.0250 mg/L	0.01913	-0.0250 mg/L	0.01913	76.38%

QC value within limits for K 766.490 Recovery = Not calculated

Na 330.237†	-191.8	-0.3502 mg/L	0.49268	-0.3502 mg/L	0.49268	140.68%

QC value within limits for Na 330.237 Recovery = Not calculated

Al 308.215†	-78.0	-0.0075 mg/L	0.00282	-0.0075 mg/L	0.00282	37.75%

QC value within limits for Al 308.215 Recovery = Not calculated

Fe 273.955†	88.3	0.0060 mg/L	0.00023	0.0060 mg/L	0.00023	3.82%

QC value within limits for Fe 273.955 Recovery = Not calculated

Ca 315.887†	14.0	0.0118 mg/L	0.00287	0.0118 mg/L	0.00287	24.28%

QC value within limits for Ca 315.887 Recovery = Not calculated

Mg 279.077†	1.1	0.0035 mg/L	0.01175	0.0035 mg/L	0.01175	335.46%

QC value within limits for Mg 279.077 Recovery = Not calculated

All analytes passed QC.

Sequence No.: 3 **Autosampler Location:** 56
Sample ID: mb tp774 **Date Collected:** 12/2/04 3:15:34 PM
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type:** Reprocessed on 12/3/04 8:12:03 AM,

Mean Data: mb tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	614748.0	100.9	%	0.27				0.27%
Sc 361.383	1229350.8	100.9	%	0.22				0.22%
As 188.979†	-0.0	0.0000	mg/L	0.00269	0.0000	mg/L	0.00269	>999.9%
Cr 267.716†	50.2	0.0008	mg/L	0.00075	0.0008	mg/L	0.00075	93.19%
Cu 327.393†	156.1	0.0017	mg/L	0.00043	0.0017	mg/L	0.00043	24.59%
Ni 231.604†	2.8	0.0001	mg/L	0.00044	0.0001	mg/L	0.00044	394.37%
Zn 206.200†	30.3	0.0016	mg/L	0.00006	0.0016	mg/L	0.00006	3.81%
Co 228.616†	-4.3	-0.0001	mg/L	0.00027	-0.0001	mg/L	0.00027	200.18%
V 292.402†	-49.6	-0.0005	mg/L	0.00063	-0.0005	mg/L	0.00063	129.19%
K 766.490†	0.8	0.0241	mg/L	0.08128	0.0241	mg/L	0.08128	336.71%
Na 330.237†	-2.8	-0.0050	mg/L	0.15858	-0.0050	mg/L	0.15858	>999.9%
Al 308.215†	13.8	0.0013	mg/L	0.00799	0.0013	mg/L	0.00799	606.74%
Fe 273.955†	-23.8	-0.0016	mg/L	0.00268	-0.0016	mg/L	0.00268	164.61%
Ca 315.887†	10.6	0.0090	mg/L	0.00506	0.0090	mg/L	0.00506	56.26%
Mg 279.077†	-0.9	-0.0027	mg/L	0.01194	-0.0027	mg/L	0.01194	435.56%

Sequence No.: 4 **Autosampler Location:** 57
Sample ID: 125060-1-1/5 **Date Collected:** 12/2/04 3:20:38 PM
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type:** Reprocessed on 12/3/04 8:12:05 AM,

Mean Data: 125060-1-1/5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	601709.6	98.73	%	0.998				1.01%
Sc 361.383	1203408.7	98.80	%	1.033				1.05%
As 188.979†	1.5	0.0020	mg/L	0.00128	0.0020	mg/L	0.00128	65.55%
Cr 267.716†	221.1	0.0036	mg/L	0.00058	0.0036	mg/L	0.00058	16.30%
Cu 327.393†	1233.0	0.0138	mg/L	0.00045	0.0138	mg/L	0.00045	3.29%
Ni 231.604†	43.1	0.0017	mg/L	0.00023	0.0017	mg/L	0.00023	13.43%
Zn 206.200†	696.8	0.0367	mg/L	0.00183	0.0367	mg/L	0.00183	5.00%
Co 228.616†	-10.4	-0.0003	mg/L	0.00028	-0.0003	mg/L	0.00028	88.24%
V 292.402†	27.9	0.0003	mg/L	0.00064	0.0003	mg/L	0.00064	232.11%
K 766.490†	16.5	0.4681	mg/L	0.07093	0.4681	mg/L	0.07093	15.15%
Na 330.237†	639.3	1.167	mg/L	0.2618	1.167	mg/L	0.2618	22.43%
Al 308.215†	49.9	0.0048	mg/L	0.00367	0.0048	mg/L	0.00367	76.69%

Fe 273.955†	1073.6	0.0734	mg/L	0.00192	0.0734	mg/L	0.00192	2.62%
Ca 315.887†	2388.2	2.020	mg/L	0.0324	2.020	mg/L	0.0324	1.60%
Mg 279.077†	264.6	0.8334	mg/L	0.00913	0.8334	mg/L	0.00913	1.10%

Sequence No.: 5
Sample ID: 125060-1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 12/2/04 3:25:50 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:07 AM,

Mean Data: 125060-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	570619.8	93.63	%	1.540				1.64%
Sc 361.383	1141218.4	93.70	%	1.495				1.60%
As 188.979†	-0.1	-0.0001	mg/L	0.00635	-0.0001	mg/L	0.00635	>999.9%
Cr 267.716†	22.2	0.0004	mg/L	0.00018	0.0004	mg/L	0.00018	49.99%
Cu 327.393†	4711.1	0.0527	mg/L	0.00358	0.0527	mg/L	0.00358	6.80%
Ni 231.604†	-5.7	-0.0002	mg/L	0.00021	-0.0002	mg/L	0.00021	94.05%
Zn 206.200†	2418.6	0.1274	mg/L	0.00368	0.1274	mg/L	0.00368	2.89%
Co 228.616†	0.3	0.0000	mg/L	0.00034	0.0000	mg/L	0.00034	>999.9%
V 292.402†	286.9	0.0028	mg/L	0.00042	0.0028	mg/L	0.00042	14.68%
K 766.490†	81.1	2.305	mg/L	0.0643	2.305	mg/L	0.0643	2.79%
Na 330.237†	3807.1	6.951	mg/L	0.2998	6.951	mg/L	0.2998	4.31%
Al 308.215†	125.7	0.0120	mg/L	0.00394	0.0120	mg/L	0.00394	32.71%
Fe 273.955†	130.8	0.0089	mg/L	0.00061	0.0089	mg/L	0.00061	6.82%
Ca 315.887†	11925.7	10.09	mg/L	0.191	10.09	mg/L	0.191	1.89%
Mg 279.077†	1143.5	3.601	mg/L	0.0873	3.601	mg/L	0.0873	2.42%

Sequence No.: 6
Sample ID: 125060-1d
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 12/2/04 3:32:22 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:08 AM,

Mean Data: 125060-1d

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	559779.9	91.85	%	0.350				0.38%
Sc 361.383	1121594.7	92.09	%	0.340				0.37%
As 188.979†	1.9	0.0024	mg/L	0.00165	0.0024	mg/L	0.00165	68.22%
Cr 267.716†	44.6	0.0007	mg/L	0.00054	0.0007	mg/L	0.00054	75.45%
Cu 327.393†	4069.4	0.0455	mg/L	0.00143	0.0455	mg/L	0.00143	3.15%
Ni 231.604†	4.7	0.0002	mg/L	0.00021	0.0002	mg/L	0.00021	113.14%
Zn 206.200†	2111.5	0.1112	mg/L	0.00083	0.1112	mg/L	0.00083	0.74%
Co 228.616†	-12.1	-0.0004	mg/L	0.00069	-0.0004	mg/L	0.00069	186.14%
V 292.402-	324.4	0.0032	mg/L	0.00024	0.0032	mg/L	0.00024	7.62%
K 766.490†	80.0	2.276	mg/L	0.0847	2.276	mg/L	0.0847	3.72%
Na 330.237†	4143.1	7.565	mg/L	0.3014	7.565	mg/L	0.3014	3.98%
Al 308.215†	205.0	0.0196	mg/L	0.01038	0.0196	mg/L	0.01038	52.88%
Fe 273.955†	69.3	0.0047	mg/L	0.00344	0.0047	mg/L	0.00344	72.65%
Ca 315.887†	12222.3	10.34	mg/L	0.040	10.34	mg/L	0.040	0.38%
Mg 279.077-	1156.6	3.642	mg/L	0.0114	3.642	mg/L	0.0114	0.31%

Sequence No.: 7
Sample ID: 125060-1s
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 12/2/04 3:38:49 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:10 AM,

Mean Data: 125060-1s

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	554818.7	91.04	%	0.368				0.40%
Sc 361.383	1109005.3	91.05	%	0.312				0.34%

As 188.979†	3027.5	3.890 mg/L	0.0584	3.890 mg/L	0.0584	1.50%
Cr 267.716†	23218.4	0.3750 mg/L	0.00458	0.3750 mg/L	0.00458	1.22%
Cu 327.393†	48497.1	0.5420 mg/L	0.00196	0.5420 mg/L	0.00196	0.36%
Ni 231.604†	24433.3	0.9533 mg/L	0.00959	0.9533 mg/L	0.00959	1.01%
Zn 206.200†	19885.9	1.048 mg/L	0.0120	1.048 mg/L	0.0120	1.15%
Co 228.616†	31225.7	0.9630 mg/L	0.00940	0.9630 mg/L	0.00940	0.98%
V 292.402†	100408.8	0.9932 mg/L	0.00406	0.9932 mg/L	0.00406	0.41%
K 766.490†	759.0	21.58 mg/L	0.103	21.58 mg/L	0.103	0.48%
Na 330.237†	16044.0	29.29 mg/L	0.518	29.29 mg/L	0.518	1.77%
Al 308.215†	40809.3	3.908 mg/L	0.0116	3.908 mg/L	0.0116	0.30%
Fe 273.955†	314072.8	21.46 mg/L	0.033	21.46 mg/L	0.033	0.16%
Ca 315.887†	34425.9	29.12 mg/L	0.444	29.12 mg/L	0.444	1.52%
Mg 279.077†	7175.4	22.60 mg/L	0.556	22.60 mg/L	0.556	2.46%

Sequence No.: 8
Sample ID: 125060-1sd
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 12/2/04 3:43:25 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:11 AM,

Mean Data: 125060-1sd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	538269.1	88.32	%	0.161				0.18%
Sc 361.383	1076989.1	88.42	%	0.187				0.21%
As 188.979†	3137.5	4.031	mg/L	0.0590	4.031	mg/L	0.0590	1.46%
Cr 267.716†	23824.3	0.3848	mg/L	0.00258	0.3848	mg/L	0.00258	0.67%
Cu 327.393†	48525.2	0.5423	mg/L	0.00389	0.5423	mg/L	0.00389	0.72%
Ni 231.604†	25149.8	0.9813	mg/L	0.00600	0.9813	mg/L	0.00600	0.61%
Zn 206.200†	20344.0	1.072	mg/L	0.0035	1.072	mg/L	0.0035	0.32%
Co 228.616†	32158.0	0.9917	mg/L	0.00432	0.9917	mg/L	0.00432	0.44%
V 292.402†	100882.0	0.9979	mg/L	0.00474	0.9979	mg/L	0.00474	0.48%
K 766.490†	786.1	22.35	mg/L	0.056	22.35	mg/L	0.056	0.25%
Na 330.237†	16537.3	30.19	mg/L	0.350	30.19	mg/L	0.350	1.16%
Al 308.215†	40949.5	3.921	mg/L	0.0229	3.921	mg/L	0.0229	0.58%
Fe 273.955†	315744.0	21.58	mg/L	0.114	21.58	mg/L	0.114	0.53%
Ca 315.887†	35820.9	30.30	mg/L	0.226	30.30	mg/L	0.226	0.75%
Mg 279.077†	7467.2	23.52	mg/L	0.081	23.52	mg/L	0.081	0.35%

Sequence No.: 9
Sample ID: 125060-1ps
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 12/2/04 3:48:00 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:13 AM,

Mean Data: 125060-1ps

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	551596.8	90.51	%	1.044				1.15%
Sc 361.383	1100921.3	90.39	%	1.033				1.14%
As 188.979†	3028.2	3.891	mg/L	0.0993	3.891	mg/L	0.0993	2.55%
Cr 267.716†	23280.3	0.3760	mg/L	0.00554	0.3760	mg/L	0.00554	1.47%
Cu 327.393†	47274.0	0.5284	mg/L	0.00624	0.5284	mg/L	0.00624	1.18%
Ni 231.604†	24248.8	0.9461	mg/L	0.01099	0.9461	mg/L	0.01099	1.16%
Zn 206.200†	19822.0	1.044	mg/L	0.0146	1.044	mg/L	0.0146	1.39%
Co 228.616†	31130.7	0.9601	mg/L	0.01691	0.9601	mg/L	0.01691	1.76%
V 292.402†	98334.4	0.9727	mg/L	0.00296	0.9727	mg/L	0.00296	0.30%
K 766.490†	869.2	24.72	mg/L	0.221	24.72	mg/L	0.221	0.90%
Na 330.237†	17764.1	32.43	mg/L	0.211	32.43	mg/L	0.211	0.65%
Al 308.215†	40639.4	3.891	mg/L	0.0098	3.891	mg/L	0.0098	0.25%
Fe 273.955†	343955.8	23.51	mg/L	0.084	23.51	mg/L	0.084	0.36%
Ca 315.887†	37824.2	32.00	mg/L	0.340	32.00	mg/L	0.340	1.06%
Mg 279.077†	8175.4	25.75	mg/L	0.312	25.75	mg/L	0.312	1.21%

Sequence No.: 10
Sample ID: bs tp774

Autosampler Location: 63
Date Collected: 12/2/04 3:52:35 PM

Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 8:12:15 AM,

Mean Data: bs tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	548327.4	89.97	%	1.846				2.05%
Sc 361.383	1095206.0	89.92	%	1.827				2.03%
As 188.979†	3046.2	3.914	mg/L	0.1763	3.914	mg/L	0.1763	4.51%
Cr 267.716†	23541.5	0.3802	mg/L	0.01479	0.3802	mg/L	0.01479	3.89%
Cu 327.393†	45371.9	0.5071	mg/L	0.00254	0.5071	mg/L	0.00254	0.50%
Ni 231.604†	25284.2	0.9865	mg/L	0.03567	0.9865	mg/L	0.03567	3.62%
Zn 206.200†	18497.1	0.9745	mg/L	0.03653	0.9745	mg/L	0.03653	3.75%
Co 228.616†	32179.4	0.9924	mg/L	0.03784	0.9924	mg/L	0.03784	3.81%
V 292.402†	100632.7	0.9954	mg/L	0.00255	0.9954	mg/L	0.00255	0.26%
K 766.490†	691.5	19.66	mg/L	0.539	19.66	mg/L	0.539	2.74%
Na 330.237†	11857.3	21.65	mg/L	1.229	21.65	mg/L	1.229	5.67%
Al 308.215†	40729.8	3.900	mg/L	0.0189	3.900	mg/L	0.0189	0.48%
Fe 273.955†	316040.9	21.60	mg/L	0.073	21.60	mg/L	0.073	0.34%
Ca 315.887†	22562.1	19.09	mg/L	0.622	19.09	mg/L	0.622	3.26%
Mg 279.077†	6107.5	19.23	mg/L	0.646	19.23	mg/L	0.646	3.36%

Sequence No.: 11 Autosampler Location: 64
Sample ID: bsd tp774 Date Collected: 12/2/04 3:57:08 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 8:12:16 AM,

Mean Data: bsd tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	545243.6	89.46	%	0.601				0.67%
Sc 361.383	1087931.7	89.32	%	0.553				0.62%
As 188.979†	3040.5	3.906	mg/L	0.0247	3.906	mg/L	0.0247	0.63%
Cr 267.716†	23463.5	0.3789	mg/L	0.00579	0.3789	mg/L	0.00579	1.53%
Cu 327.393†	44925.7	0.5021	mg/L	0.00247	0.5021	mg/L	0.00247	0.49%
Ni 231.604†	25018.2	0.9762	mg/L	0.00802	0.9762	mg/L	0.00802	0.82%
Zn 206.200†	18327.8	0.9656	mg/L	0.00690	0.9656	mg/L	0.00690	0.71%
Co 228.616†	32003.4	0.9870	mg/L	0.01045	0.9870	mg/L	0.01045	1.06%
V 292.402†	99806.3	0.9873	mg/L	0.00233	0.9873	mg/L	0.00233	0.24%
K 766.490†	699.1	19.88	mg/L	0.207	19.88	mg/L	0.207	1.04%
Na 330.237†	11911.2	21.75	mg/L	0.426	21.75	mg/L	0.426	1.96%
Al 308.215†	40402.5	3.869	mg/L	0.0091	3.869	mg/L	0.0091	0.24%
Fe 273.955†	313289.7	21.41	mg/L	0.026	21.41	mg/L	0.026	0.12%
Ca 315.887†	22478.9	19.02	mg/L	0.189	19.02	mg/L	0.189	0.99%
Mg 279.077†	6114.1	19.26	mg/L	0.233	19.26	mg/L	0.233	1.21%

Sequence No.: 12 Autosampler Location: 65
Sample ID: lcs-water-1 Date Collected: 12/2/04 4:01:42 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 8:12:17 AM,

Mean Data: lcs-water-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	570274.2	93.57	%	1.152				1.23%
Sc 361.383	1139837.9	93.58	%	1.207				1.29%
As 188.979†	2995.5	3.849	mg/L	0.0696	3.849	mg/L	0.0696	1.81%
Cr 267.716†	23164.4	0.3741	mg/L	0.00887	0.3741	mg/L	0.00887	2.37%
Cu 327.393†	44609.6	0.4986	mg/L	0.00047	0.4986	mg/L	0.00047	0.09%
Ni 231.604†	24762.7	0.9662	mg/L	0.02163	0.9662	mg/L	0.02163	2.24%
Zn 206.200†	18123.0	0.9548	mg/L	0.01849	0.9548	mg/L	0.01849	1.94%
Co 228.616†	31517.2	0.9720	mg/L	0.02145	0.9720	mg/L	0.02145	2.21%
V 292.402†	98730.4	0.9766	mg/L	0.00240	0.9766	mg/L	0.00240	0.25%

K 766.490†	669.6	19.04 mg/L	0.363	19.04 mg/L	0.363	1.90%
Na 330.237†	11581.4	21.15 mg/L	0.774	21.15 mg/L	0.774	3.66%
Al 308.215†	39751.0	3.806 mg/L	0.0066	3.806 mg/L	0.0066	0.17%
Fe 273.955†	309897.1	21.18 mg/L	0.051	21.18 mg/L	0.051	0.24%
Ca 315.887†	22047.1	18.65 mg/L	0.453	18.65 mg/L	0.453	2.43%
Mg 279.077†	5936.1	18.69 mg/L	0.456	18.69 mg/L	0.456	2.44%

Sequence No.: 13 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 12/2/04 4:06:16 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:19 AM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	641601.7	105.3	%	1.03				0.98%
Sc 361.383	1288964.5	105.8	%	0.74				0.70%
As 188.979†	767.6	0.9862	mg/L	0.00504	0.9862	mg/L	0.00504	0.51%
QC value within limits for As 188.979 Recovery = 98.62%								
Cr 267.716†	60274.6	0.9735	mg/L	0.01844	0.9735	mg/L	0.01844	1.89%
QC value within limits for Cr 267.716 Recovery = 97.35%								
Cu 327.393†	90076.5	1.007	mg/L	0.0201	1.007	mg/L	0.0201	2.00%
QC value within limits for Cu 327.393 Recovery = 100.67%								
Ni 231.604†	25427.6	0.9921	mg/L	0.01656	0.9921	mg/L	0.01656	1.67%
QC value within limits for Ni 231.604 Recovery = 99.21%								
Zn 206.200†	18632.1	0.9816	mg/L	0.00876	0.9816	mg/L	0.00876	0.89%
QC value within limits for Zn 206.200 Recovery = 98.16%								
Co 228.616†	32210.2	0.9934	mg/L	0.01838	0.9934	mg/L	0.01838	1.85%
QC value within limits for Co 228.616 Recovery = 99.34%								
V 292.402†	97713.2	0.9666	mg/L	0.01248	0.9666	mg/L	0.01248	1.29%
QC value within limits for V 292.402 Recovery = 96.66%								
K 766.490†	342.2	9.730	mg/L	0.1367	9.730	mg/L	0.1367	1.40%
QC value within limits for K 766.490 Recovery = 97.30%								
Na 330.237†	5014.3	9.155	mg/L	0.0175	9.155	mg/L	0.0175	0.19%
QC value within limits for Na 330.237 Recovery = 91.55%								
Al 308.215†	101300.0	9.700	mg/L	0.1718	9.700	mg/L	0.1718	1.77%
QC value within limits for Al 308.215 Recovery = 97.00%								
Fe 273.955†	142528.4	9.741	mg/L	0.1288	9.741	mg/L	0.1288	1.32%
QC value within limits for Fe 273.955 Recovery = 97.41%								
Ca 315.887†	11946.7	10.11	mg/L	0.432	10.11	mg/L	0.432	4.27%
QC value within limits for Ca 315.887 Recovery = 101.06%								
Mg 279.077†	3228.8	10.17	mg/L	0.395	10.17	mg/L	0.395	3.88%
QC value within limits for Mg 279.077 Recovery = 101.69%								

All analytes passed QC.

Sequence No.: 14 **Autosampler Location: 6**
Sample ID: CCB **Date Collected: 12/2/04 4:11:48 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:20 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	626346.6	102.8	%	0.81				0.79%
Sc 361.383	1253870.3	102.9	%	0.92				0.89%
As 188.979†	1.1	0.0015	mg/L	0.00105	0.0015	mg/L	0.00105	71.12%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	34.1	0.0006	mg/L	0.00038	0.0006	mg/L	0.00038	69.03%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-32.2	-0.0004	mg/L	0.00012	-0.0004	mg/L	0.00012	32.36%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	10.6	0.0004	mg/L	0.00028	0.0004	mg/L	0.00028	68.06%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	50.9	0.0027	mg/L	0.00015	0.0027	mg/L	0.00015	5.68%
QC value within limits for Zn 206.200 Recovery = Not calculated								

Co 228.616†	10.5	0.0003	mg/L	0.00014	0.0003	mg/L	0.00014	44.47%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	4.0	0.0000	mg/L	0.00058	0.0000	mg/L	0.00058	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	-5.2	-0.1483	mg/L	0.02768	-0.1483	mg/L	0.02768	18.67%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237†	-98.1	-0.1791	mg/L	0.25040	-0.1791	mg/L	0.25040	139.80%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-58.3	-0.0056	mg/L	0.00407	-0.0056	mg/L	0.00407	72.86%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	80.7	0.0055	mg/L	0.00260	0.0055	mg/L	0.00260	47.20%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	-2.8	-0.0024	mg/L	0.00595	-0.0024	mg/L	0.00595	247.80%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	0.6	0.0019	mg/L	0.00665	0.0019	mg/L	0.00665	357.10%
QC value within limits for Mg 279.077 Recovery = Not calculated								

All analytes passed QC.

Sequence No.: 15
Sample ID: mb tp774
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 66
Date Collected: 12/2/04 4:17:00 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:22 AM,

Mean Data: mb tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	632009.5	103.7	%	0.40				0.38%
Sc 361.383	1264545.8	103.8	%	0.47				0.45%
As 188.979†	2.9	0.0038	mg/L	0.00299	0.0038	mg/L	0.00299	79.02%
Cr 267.716†	59.0	0.0010	mg/L	0.00088	0.0010	mg/L	0.00088	91.84%
Cu 327.393†	-4.9	-0.0001	mg/L	0.00285	-0.0001	mg/L	0.00285	>999.9%
Ni 231.604†	8.7	0.0003	mg/L	0.00033	0.0003	mg/L	0.00033	97.35%
Zn 206.200†	15.5	0.0008	mg/L	0.00013	0.0008	mg/L	0.00013	15.77%
Co 228.616†	-10.9	-0.0003	mg/L	0.00026	-0.0003	mg/L	0.00026	77.53%
V 292.402†	-97.5	-0.0010	mg/L	0.00025	-0.0010	mg/L	0.00025	25.93%
K 766.490†	-2.5	-0.0702	mg/L	0.00662	-0.0702	mg/L	0.00662	9.43%
Na 330.237†	-247.4	-0.4516	mg/L	0.18129	-0.4516	mg/L	0.18129	40.14%
Al 308.215†	-49.6	-0.0047	mg/L	0.00469	-0.0047	mg/L	0.00469	98.79%
Fe 273.955†	-17.9	-0.0012	mg/L	0.00359	-0.0012	mg/L	0.00359	292.91%
Ca 315.887†	-17.2	-0.0146	mg/L	0.00130	-0.0146	mg/L	0.00130	8.90%
Mg 279.077†	4.3	0.0134	mg/L	0.00433	0.0134	mg/L	0.00433	32.25%

Sequence No.: 16
Sample ID: 125060-2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 12/2/04 4:22:12 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:23 AM,

Mean Data: 125060-2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	565474.9	92.78	%	1.025				1.10%
Sc 361.383	1131399.5	92.89	%	1.066				1.15%
As 188.979†	-0.2	-0.0003	mg/L	0.00106	-0.0003	mg/L	0.00106	359.51%
Cr 267.716†	11.1	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	94.86%
Cu 327.393†	3349.7	0.0374	mg/L	0.00137	0.0374	mg/L	0.00137	3.67%
Ni 231.604†	1.3	0.0001	mg/L	0.00045	0.0001	mg/L	0.00045	856.82%
Zn 206.200†	1935.9	0.1020	mg/L	0.00208	0.1020	mg/L	0.00208	2.04%
Co 228.616†	-13.2	-0.0004	mg/L	0.00082	-0.0004	mg/L	0.00082	201.14%
V 292.402†	311.6	0.0031	mg/L	0.00116	0.0031	mg/L	0.00116	37.79%
K 766.490†	81.6	2.321	mg/L	0.0086	2.321	mg/L	0.0086	0.37%
Na 330.237†	3976.1	7.260	mg/L	0.1867	7.260	mg/L	0.1867	2.57%
Al 308.215†	121.7	0.0117	mg/L	0.00815	0.0117	mg/L	0.00815	69.93%
Fe 273.955†	136.0	0.0093	mg/L	0.00430	0.0093	mg/L	0.00430	46.23%
Ca 315.887†	11995.2	10.15	mg/L	0.107	10.15	mg/L	0.107	1.05%
Mg 279.077†	1138.6	3.586	mg/L	0.0349	3.586	mg/L	0.0349	0.97%

Sequence No.: 17
Sample ID: 125060-10
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 68
Date Collected: 12/2/04 4:28:43 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:25 AM,

Mean Data: 125060-10

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	550126.1	90.27	%	1.447				1.60%
Sc 361.383	1098960.4	90.23	%	1.357				1.50%
As 188.979†	0.5	0.0006	mg/L	0.00505	0.0006	mg/L	0.00505	794.66%
Cr 267.716†	10.0	0.0002	mg/L	0.00147	0.0002	mg/L	0.00147	905.27%
Cu 327.393†	-126.0	-0.0014	mg/L	0.00121	-0.0014	mg/L	0.00121	85.76%
Ni 231.604†	4.3	0.0002	mg/L	0.00039	0.0002	mg/L	0.00039	229.36%
Zn 206.200†	152.8	0.0080	mg/L	0.00021	0.0080	mg/L	0.00021	2.55%
Co 228.616†	7.7	0.0002	mg/L	0.00048	0.0002	mg/L	0.00048	200.42%
V 292.402†	77.8	0.0008	mg/L	0.00066	0.0008	mg/L	0.00066	85.56%
K 766.490†	-0.6	-0.0172	mg/L	0.05135	-0.0172	mg/L	0.05135	298.31%
Na 330.237†	290.5	0.5305	mg/L	0.49271	0.5305	mg/L	0.49271	92.88%
Al 308.215†	450.4	0.0431	mg/L	0.00539	0.0431	mg/L	0.00539	12.50%
Fe 273.955†	58.7	0.0040	mg/L	0.00404	0.0040	mg/L	0.00404	100.77%
Ca 315.887†	98.8	0.0836	mg/L	0.00156	0.0836	mg/L	0.00156	1.86%
Mg 279.077†	-0.5	-0.0015	mg/L	0.02621	-0.0015	mg/L	0.02621	>999.9%

Sequence No.: 18
Sample ID: 125059-1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 69
Date Collected: 12/2/04 4:33:52 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:26 AM,

Mean Data: 125059-1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	568249.6	93.24	%	1.448				1.55%
Sc 361.383	1162737.9	95.46	%	1.512				1.58%
As 188.979†	1.1	0.0015	mg/L	0.00461	0.0015	mg/L	0.00461	312.25%
Cr 267.716†	1446.0	0.0234	mg/L	0.00019	0.0234	mg/L	0.00019	0.83%
Cu 327.393†	18979.4	0.2121	mg/L	0.00113	0.2121	mg/L	0.00113	0.53%
Ni 231.604†	277.5	0.0108	mg/L	0.00060	0.0108	mg/L	0.00060	5.58%
Zn 206.200†	402.2	0.0212	mg/L	0.00050	0.0212	mg/L	0.00050	2.38%
Co 228.616†	90.3	0.0028	mg/L	0.00054	0.0028	mg/L	0.00054	19.31%
V 292.402†	7846.5	0.0776	mg/L	0.00112	0.0776	mg/L	0.00112	1.45%
K 766.490†	75.6	2.150	mg/L	0.0159	2.150	mg/L	0.0159	0.74%
Na 330.237†	11704.1	21.37	mg/L	0.641	21.37	mg/L	0.641	3.00%
Al 308.215†	183040.6	17.53	mg/L	0.056	17.53	mg/L	0.056	0.32%
Fe 273.955†	346398.3	23.67	mg/L	0.103	23.67	mg/L	0.103	0.44%
Ca 315.887†	28891.7	24.44	mg/L	0.506	24.44	mg/L	0.506	2.07%
Mg 279.077†	2763.0	8.702	mg/L	0.2008	8.702	mg/L	0.2008	2.31%

Sequence No.: 19
Sample ID: 125082-1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 12/2/04 4:39:27 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:27 AM,

Mean Data: 125082-1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	564967.7	92.70	%	0.997				1.08%
Sc 361.383	1128948.9	92.69	%	0.995				1.07%
As 188.979†	0.2	0.0003	mg/L	0.00760	0.0003	mg/L	0.00760	>999.9%
Cr 267.716†	11.2	0.0002	mg/L	0.00037	0.0002	mg/L	0.00037	203.12%
Cu 327.393†	-204.4	-0.0023	mg/L	0.00335	-0.0023	mg/L	0.00335	146.44%

Ni 231.604†	-4.0	-0.0002 mg/L	0.00030	-0.0002 mg/L	0.00030	190.73%
Zn 206.200†	119.3	0.0063 mg/L	0.00031	0.0063 mg/L	0.00031	4.88%
Co 228.616†	-5.0	-0.0002 mg/L	0.00006	-0.0002 mg/L	0.00006	39.90%
V 292.402†	-45.8	-0.0005 mg/L	0.00056	-0.0005 mg/L	0.00056	122.82%
K 766.490†	-3.9	-0.1114 mg/L	0.08331	-0.1114 mg/L	0.08331	74.75%
Na 330.237†	442.8	0.8085 mg/L	0.31008	0.8085 mg/L	0.31008	38.35%
Al 308.215†	231.2	0.0221 mg/L	0.00571	0.0221 mg/L	0.00571	25.78%
Fe 273.955†	34.1	0.0023 mg/L	0.00010	0.0023 mg/L	0.00010	4.21%
Ca 315.887†	92.7	0.0784 mg/L	0.00074	0.0784 mg/L	0.00074	0.95%
Mg 279.077†	-2.8	-0.0090 mg/L	0.01507	-0.0090 mg/L	0.01507	168.23%

Sequence No.: 20
Sample ID: 125120-1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 12/2/04 4:44:40 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:29 AM,

Mean Data: 125120-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	559964.7	91.88	%	0.145				0.16%
Sc 361.383	1119937.3	91.95	%	0.224				0.24%
As 188.979†	10.5	0.0135	mg/L	0.00342	0.0135	mg/L	0.00342	25.38%
Cr 267.716†	52.5	0.0008	mg/L	0.00020	0.0008	mg/L	0.00020	23.50%
Cu 327.393†	2541.2	0.0284	mg/L	0.00128	0.0284	mg/L	0.00128	4.50%
Ni 231.604†	152.0	0.0059	mg/L	0.00038	0.0059	mg/L	0.00038	6.44%
Zn 206.200†	605.1	0.0319	mg/L	0.00030	0.0319	mg/L	0.00030	0.94%
Co 228.616†	-52.2	-0.0016	mg/L	0.00002	-0.0016	mg/L	0.00002	1.32%
V 292.402†	-202.2	-0.0020	mg/L	0.00096	-0.0020	mg/L	0.00096	48.14%
K 766.490†	284.6	8.094	mg/L	0.0148	8.094	mg/L	0.0148	0.18%
Na 330.237†	165364.1	301.9	mg/L	1.12	301.9	mg/L	1.12	0.37%
Al 308.215†	1441.7	0.1380	mg/L	0.00195	0.1380	mg/L	0.00195	1.41%
Fe 273.955†	12128.2	0.8289	mg/L	0.00121	0.8289	mg/L	0.00121	0.15%
Ca 315.887†	44444.6	37.60	mg/L	0.056	37.60	mg/L	0.056	0.15%
Mg 279.077†	2740.0	8.629	mg/L	0.1638	8.629	mg/L	0.1638	1.90%

Sequence No.: 21
Sample ID: 125132-1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 72
Date Collected: 12/2/04 4:50:08 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:31 AM,

Mean Data: 125132-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	500492.8	82.12	%	0.639				0.78%
Sc 361.383	996713.0	81.83	%	0.724				0.88%
As 188.979†	7166.6	9.208	mg/L	0.0370	9.208	mg/L	0.0370	0.40%
Cr 267.716†	1908.5	0.0308	mg/L	0.00027	0.0308	mg/L	0.00027	0.87%
Cu 327.393†	-1183.7	-0.0132	mg/L	0.00196	-0.0132	mg/L	0.00196	14.79%
Ni 231.604†	953.6	0.0372	mg/L	0.00027	0.0372	mg/L	0.00027	0.74%
Zn 206.200†	240.6	0.0127	mg/L	0.00068	0.0127	mg/L	0.00068	5.39%
Co 228.616†	11.7	0.0004	mg/L	0.00023	0.0004	mg/L	0.00023	62.87%
V 292.402†	34477.7	0.3410	mg/L	0.00053	0.3410	mg/L	0.00053	0.15%
K 766.490†	5539.1	157.5	mg/L	2.64	157.5	mg/L	2.64	1.67%
Na 330.237†	4310261.7	7870	mg/L	9.3	7870	mg/L	9.3	0.12%
Al 308.215†	1106.6	0.1060	mg/L	0.00418	0.1060	mg/L	0.00418	3.94%
Fe 273.955†	8091.1	0.5530	mg/L	0.00250	0.5530	mg/L	0.00250	0.45%
Ca 315.887†	73291.5	62.00	mg/L	0.819	62.00	mg/L	0.819	1.32%
Mg 279.077†	43046.2	135.6	mg/L	2.29	135.6	mg/L	2.29	1.69%

Sequence No.: 22
Sample ID: 125132-2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 73
Date Collected: 12/2/04 4:54:44 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:32 AM,

Mean Data: 125132-2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	494769.9	81.18	%	0.364				0.45%
Sc 361.383	990032.0	81.28	%	0.383				0.47%
As 188.979†	53.5	0.0688	mg/L	0.00539	0.0688	mg/L	0.00539	7.84%
Cr 267.716†	48.5	0.0008	mg/L	0.00015	0.0008	mg/L	0.00015	18.69%
Cu 327.393†	-2015.9	-0.0225	mg/L	0.00314	-0.0225	mg/L	0.00314	13.95%
Ni 231.604†	71.7	0.0028	mg/L	0.00017	0.0028	mg/L	0.00017	6.12%
Zn 206.200†	377.5	0.0199	mg/L	0.00016	0.0199	mg/L	0.00016	0.82%
Co 228.616†	-20.6	-0.0006	mg/L	0.00021	-0.0006	mg/L	0.00021	33.67%
V 292.402†	255.3	0.0025	mg/L	0.00148	0.0025	mg/L	0.00148	58.56%
K 766.490†	8228.7	234.0	mg/L	4.27	234.0	mg/L	4.27	1.83%
Na 330.237†	3783421.7	6908	mg/L	5.0	6908	mg/L	5.0	0.07%
Al 308.215†	1231.4	0.1179	mg/L	0.00597	0.1179	mg/L	0.00597	5.06%
Fe 273.955†	57907.2	3.957	mg/L	0.0027	3.957	mg/L	0.0027	0.07%
Ca 315.887†	259006.9	219.1	mg/L	1.28	219.1	mg/L	1.28	0.59%
Mg 279.077†	148373.5	467.3	mg/L	3.07	467.3	mg/L	3.07	0.66%

Sequence No.: 23
Sample ID: bs tp774
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 12/2/04 4:59:18 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:34 AM,

Mean Data: bs tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	569184.4	93.39	%	0.621				0.67%
Sc 361.383	1137562.3	93.40	%	0.637				0.68%
As 188.979†	2992.8	3.845	mg/L	0.0796	3.845	mg/L	0.0796	2.07%
Cr 267.716†	23260.6	0.3757	mg/L	0.00546	0.3757	mg/L	0.00546	1.45%
Cu 327.393†	44704.9	0.4996	mg/L	0.00058	0.4996	mg/L	0.00058	0.12%
Ni 231.604†	24964.6	0.9741	mg/L	0.01777	0.9741	mg/L	0.01777	1.82%
Zn 206.200†	18139.3	0.9557	mg/L	0.01527	0.9557	mg/L	0.01527	1.60%
Co 228.616†	31658.0	0.9763	mg/L	0.01540	0.9763	mg/L	0.01540	1.58%
V 292.402†	100208.5	0.9912	mg/L	0.00179	0.9912	mg/L	0.00179	0.18%
K 766.490†	744.8	21.18	mg/L	0.108	21.18	mg/L	0.108	0.51%
Na 330.237†	17299.3	31.59	mg/L	0.804	31.59	mg/L	0.804	2.54%
Al 308.215†	40582.4	3.886	mg/L	0.0125	3.886	mg/L	0.0125	0.32%
Fe 273.955†	313633.0	21.43	mg/L	0.045	21.43	mg/L	0.045	0.21%
Ca 315.887†	22595.5	19.11	mg/L	0.272	19.11	mg/L	0.272	1.42%
Mg 279.077†	6116.4	19.26	mg/L	0.064	19.26	mg/L	0.064	0.33%

Sequence No.: 24
Sample ID: bsd tp774
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 12/2/04 5:03:48 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:35 AM,

Mean Data: bsd tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	565381.4	92.77	%	1.229				1.33%
Sc 361.383	1130069.4	92.73	%	1.244				1.34%
As 188.979†	3008.4	3.865	mg/L	0.1008	3.865	mg/L	0.1008	2.61%
Cr 267.716†	23196.8	0.3746	mg/L	0.01033	0.3746	mg/L	0.01033	2.76%
Cu 327.393†	44494.5	0.4973	mg/L	0.00240	0.4973	mg/L	0.00240	0.48%
Ni 231.604†	24838.4	0.9691	mg/L	0.02728	0.9691	mg/L	0.02728	2.81%
Zn 206.200†	18131.5	0.9552	mg/L	0.02895	0.9552	mg/L	0.02895	3.03%
Co 228.616†	31677.4	0.9769	mg/L	0.03211	0.9769	mg/L	0.03211	3.29%
V 292.402†	99302.2	0.9823	mg/L	0.00173	0.9823	mg/L	0.00173	0.18%
K 766.490†	706.8	20.10	mg/L	0.206	20.10	mg/L	0.206	1.03%
Na 330.237†	14040.9	25.64	mg/L	1.397	25.64	mg/L	1.397	5.45%
Al 308.215†	40276.3	3.857	mg/L	0.0186	3.857	mg/L	0.0186	0.48%

Fe 273.955†	310710.4	21.23 mg/L	0.033	21.23 mg/L	0.033	0.16%
Ca 315.887†	22099.5	18.69 mg/L	0.307	18.69 mg/L	0.307	1.64%
Mg 279.077†	5984.8	18.85 mg/L	0.128	18.85 mg/L	0.128	0.68%

Sequence No.: 25 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 12/2/04 5:08:19 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:37 AM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	674501.4	110.7	%	2.03				1.83%
Sc 361.383	1354679.9	111.2	%	1.60				1.44%
As 188.979†	757.3	0.9730	mg/L	0.01208	0.9730	mg/L	0.01208	1.24%
QC value within limits for As 188.979 Recovery = 97.30%								
Cr 267.716†	59415.9	0.9596	mg/L	0.02071	0.9596	mg/L	0.02071	2.16%
QC value within limits for Cr 267.716 Recovery = 95.96%								
Cu 327.393†	88714.2	0.9915	mg/L	0.01926	0.9915	mg/L	0.01926	1.94%
QC value within limits for Cu 327.393 Recovery = 99.15%								
Ni 231.604†	25110.7	0.9798	mg/L	0.02155	0.9798	mg/L	0.02155	2.20%
QC value within limits for Ni 231.604 Recovery = 97.98%								
Zn 206.200†	18442.7	0.9716	mg/L	0.01432	0.9716	mg/L	0.01432	1.47%
QC value within limits for Zn 206.200 Recovery = 97.16%								
Co 228.616†	31743.7	0.9790	mg/L	0.01847	0.9790	mg/L	0.01847	1.89%
QC value within limits for Co 228.616 Recovery = 97.90%								
V 292.402†	96208.0	0.9517	mg/L	0.01440	0.9517	mg/L	0.01440	1.51%
QC value within limits for V 292.402 Recovery = 95.17%								
K 766.490†	342.6	9.743	mg/L	0.2045	9.743	mg/L	0.2045	2.10%
QC value within limits for K 766.490 Recovery = 97.43%								
Na 330.237†	5533.9	10.10	mg/L	0.575	10.10	mg/L	0.575	5.69%
QC value within limits for Na 330.237 Recovery = 101.04%								
Al 308.215†	99979.9	9.574	mg/L	0.2007	9.574	mg/L	0.2007	2.10%
QC value within limits for Al 308.215 Recovery = 95.74%								
Fe 273.955†	140244.7	9.584	mg/L	0.1319	9.584	mg/L	0.1319	1.38%
QC value within limits for Fe 273.955 Recovery = 95.84%								
Ca 315.887†	11530.5	9.754	mg/L	0.1652	9.754	mg/L	0.1652	1.69%
QC value within limits for Ca 315.887 Recovery = 97.54%								
Mg 279.077†	3130.8	9.860	mg/L	0.1046	9.860	mg/L	0.1046	1.06%
QC value within limits for Mg 279.077 Recovery = 98.60%								

All analytes passed QC.

Sequence No.: 26 **Autosampler Location: 6**
Sample ID: CCB **Date Collected: 12/2/04 5:13:52 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:38 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	657932.8	108.0	%	0.60				0.56%
Sc 361.383	1315480.1	108.0	%	0.54				0.50%
As 188.979†	1.5	0.0020	mg/L	0.00262	0.0020	mg/L	0.00262	134.02%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	13.2	0.0002	mg/L	0.00022	0.0002	mg/L	0.00022	102.43%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	61.8	0.0007	mg/L	0.00169	0.0007	mg/L	0.00169	245.09%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	19.7	0.0008	mg/L	0.00008	0.0008	mg/L	0.00008	10.74%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	40.9	0.0022	mg/L	0.00005	0.0022	mg/L	0.00005	2.38%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Co 228.616†	12.4	0.0004	mg/L	0.00045	0.0004	mg/L	0.00045	117.67%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	47.7	0.0005	mg/L	0.00074	0.0005	mg/L	0.00074	156.93%

```
   QC value within limits for V 292.402  Recovery = Not calculated
K 766.490†                 5.5      0.1562 mg/L       0.01488      0.1562 mg/L       0.01488   9.53%
   QC value within limits for K 766.490  Recovery = Not calculated
Na 330.237†             -110.8     -0.2024 mg/L       0.44785     -0.2024 mg/L       0.44785 221.30%
   QC value within limits for Na 330.237  Recovery = Not calculated
Al 308.215†             -181.0     -0.0173 mg/L       0.00548     -0.0173 mg/L       0.00548  31.64%
   QC value within limits for Al 308.215  Recovery = Not calculated
Fe 273.955†               91.7      0.0063 mg/L       0.00193      0.0063 mg/L       0.00193  30.82%
   QC value within limits for Fe 273.955  Recovery = Not calculated
Ca 315.887†              -14.8     -0.0125 mg/L       0.00148     -0.0125 mg/L       0.00148  11.85%
   QC value within limits for Ca 315.887  Recovery = Not calculated
Mg 279.077†                4.1      0.0128 mg/L       0.01204      0.0128 mg/L       0.01204  93.93%
   QC value within limits for Mg 279.077  Recovery = Not calculated
All analytes passed QC.
```

Sequence No.: 1
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/2/04 8:42:15 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:18:27 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	584903.4	95.97	%	1.532				1.60%
Sc 361.383	1149270.2	94.36	%	1.110				1.18%
As 188.979†	7.0	0.0090	mg/L	0.00431	0.0090	mg/L	0.00431	48.10%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	82.7	0.0013	mg/L	0.00018	0.0013	mg/L	0.00018	13.41%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-1942.0	-0.0217	mg/L	0.00262	-0.0217	mg/L	0.00262	12.06%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	-78.6	-0.0031	mg/L	0.00034	-0.0031	mg/L	0.00034	10.99%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	221.6	0.0117	mg/L	0.00036	0.0117	mg/L	0.00036	3.09%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Co 228.616†	-40.9	-0.0013	mg/L	0.00051	-0.0013	mg/L	0.00051	40.40%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	265.2	0.0026	mg/L	0.00016	0.0026	mg/L	0.00016	6.02%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	1.2	0.0347	mg/L	0.07765	0.0347	mg/L	0.07765	223.61%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237†	62174.1	113.5	mg/L	2.26	113.5	mg/L	2.26	1.99%
QC value within limits for Na 330.237 Recovery = 113.52%								
Al 308.215†	1163409.7	111.4	mg/L	2.05	111.4	mg/L	2.05	1.84%
QC value within limits for Al 308.215 Recovery = 92.84%								
Fe 273.955†	6400881.4	437.4	mg/L	1.95	437.4	mg/L	1.95	0.45%
QC value within limits for Fe 273.955 Recovery = 87.49%								
Ca 315.887†	654589.9	553.7	mg/L	14.01	553.7	mg/L	14.01	2.53%
QC value within limits for Ca 315.887 Recovery = 92.29%								
Mg 279.077†	86471.0	272.3	mg/L	6.86	272.3	mg/L	6.86	2.52%
QC value within limits for Mg 279.077 Recovery = 90.77%								

All analytes passed QC.

Sequence No.: 2
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 12/2/04 8:47:56 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:18:28 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	570874.2	93.67	%	1.608				1.72%
Sc 361.383	1106820.6	90.87	%	0.836				0.92%
As 188.979†	7459.2	9.584	mg/L	0.2174	9.584	mg/L	0.2174	2.27%
QC value within limits for As 188.979 Recovery = 95.84%								
Cr 267.716†	171237.8	2.766	mg/L	0.0675	2.766	mg/L	0.0675	2.44%
QC value within limits for Cr 267.716 Recovery = 92.19%								
Cu 327.393†	255416.9	2.855	mg/L	0.0619	2.855	mg/L	0.0619	2.17%
QC value within limits for Cu 327.393 Recovery = 95.16%								
Ni 231.604†	66709.2	2.603	mg/L	0.0593	2.603	mg/L	0.0593	2.28%
QC value within limits for Ni 231.604 Recovery = 86.76%								
Zn 206.200†	48996.8	2.581	mg/L	0.0655	2.581	mg/L	0.0655	2.54%
QC value within limits for Zn 206.200 Recovery = 86.05%								
Co 228.616†	86545.2	2.669	mg/L	0.0634	2.669	mg/L	0.0634	2.38%
QC value within limits for Co 228.616 Recovery = 88.97%								
V 292.402†	293228.7	2.901	mg/L	0.0716	2.901	mg/L	0.0716	2.47%
QC value within limits for V 292.402 Recovery = 96.68%								
K 766.490†	7477.4	212.6	mg/L	4.31	212.6	mg/L	4.31	2.03%
QC value within limits for K 766.490 Recovery = 106.31%								

Na 330.237†	58612.8	107.0 mg/L	2.93	107.0 mg/L	2.93	2.74%
QC value within limits for Na 330.237 Recovery = 107.02%						
Al 308.215†	1182113.7	113.2 mg/L	2.61	113.2 mg/L	2.61	2.31%
QC value within limits for Al 308.215 Recovery = 94.33%						
Fe 273.955†	6542583.8	447.1 mg/L	2.73	447.1 mg/L	2.73	0.61%
QC value within limits for Fe 273.955 Recovery = 89.43%						
Ca 315.887†	671992.7	568.5 mg/L	18.19	568.5 mg/L	18.19	3.20%
QC value within limits for Ca 315.887 Recovery = 94.74%						
Mg 279.077†	89236.3	281.0 mg/L	9.41	281.0 mg/L	9.41	3.35%
QC value within limits for Mg 279.077 Recovery = 93.68%						

All analytes passed QC.

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/2/04 8:33:47 AM

Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:19 AM,

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542	562561.0	6025.97	1.07%	100.00	%
Sc 361.383	1119881.4	15768.34	1.41%	100.0	%
As 188.979†	-7.3	1.24	16.93%	[0.00]	mg/L
Cr 267.716†	-149.1	59.38	39.83%	[0.00]	mg/L
Cu 327.393†	-7772.7	69.55	0.89%	[0.00]	mg/L
Ni 231.604†	-22.2	3.29	14.80%	[0.00]	mg/L
Zn 206.200†	-16.6	5.30	31.86%	[0.00]	mg/L
Co 228.616†	-44.3	2.05	4.62%	[0.00]	mg/L
V 292.402†	643.0	22.30	3.47%	[0.00]	mg/L
K 766.490†	8.9	0.59	6.68%	[0.00]	mg/L
Na 330.237	3422.7	195.67	5.72%	[0.00]	mg/L
Al 308.215†	3172.9	56.21	1.77%	[0.00]	mg/L
Fe 273.955†	-95.6	55.13	57.64%	[0.00]	mg/L
Ca 315.887†	162.4	6.20	3.82%	[0.00]	mg/L
Mg 279.077†	-17.0	3.73	21.96%	[0.00]	mg/L
Mo 202.031†	0.6	5.24	843.29%	[0.00]	mg/L

Sequence No.: 2
Sample ID: High Standard
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 12/2/04 8:39:48 AM

Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:20 AM,

Mean Data: High Standard

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542	567787.7	5776.43	1.02%	100.9	%
Sc 361.383	1139756.8	9596.31	0.84%	101.8	%
As 188.979†	1571.8	12.42	0.79%	[2.00]	mg/L
Cr 267.716†	124749.3	1561.06	1.25%	[2.00]	mg/L
Cu 327.393†	182975.2	2617.04	1.43%	[2.00]	mg/L
Ni 231.604†	51582.6	820.52	1.59%	[2.00]	mg/L
Zn 206.200†	37962.7	398.96	1.05%	[2.00]	mg/L
Co 228.616†	65260.3	885.86	1.36%	[2.00]	mg/L
V 292.402†	204039.5	2434.38	1.19%	[2.00]	mg/L
K 766.490†	708.5	9.04	1.28%	[20.0]	mg/L
Na 330.237	11247.1	281.25	2.50%	[20.0]	mg/L
Al 308.215†	210349.5	2861.96	1.36%	[20.0]	mg/L
Fe 273.955†	295131.7	3345.98	1.13%	[20.0]	mg/L
Ca 315.887†	23838.1	388.48	1.63%	[20.0]	mg/L
Mg 279.077†	6454.9	87.08	1.35%	[20.0]	mg/L
Mo 202.031†	12194.0	69.21	0.57%	[2.00]	mg/L

Sequence No.: 3
Sample ID: ICV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 12/2/04 8:55:50 AM

Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:21 AM,

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	591608.7	105.2	%	1.35				1.28%
Sc 361.383	1184031.3	105.7	%	1.25				1.18%
As 188.979†	1504.0	1.914	mg/L	0.0206	1.914	mg/L	0.0206	1.08%

QC value within limits for As 188.979 Recovery = 95.68%

Cr 267.716†	6036.8	0.0968 mg/L	0.00118	0.0968 mg/L	0.00118	1.22%
QC value within limits for Cr 267.716 Recovery = 96.78%						
Cu 327.393†	18948.1	0.2071 mg/L	0.00391	0.2071 mg/L	0.00391	1.89%
QC value within limits for Cu 327.393 Recovery = 103.56%						
Ni 231.604†	10789.6	0.4183 mg/L	0.00464	0.4183 mg/L	0.00464	1.11%
QC value within limits for Ni 231.604 Recovery = 104.59%						
Zn 206.200†	3935.0	0.2073 mg/L	0.00192	0.2073 mg/L	0.00192	0.93%
QC value within limits for Zn 206.200 Recovery = 103.65%						
Co 228.616†	16830.9	0.5158 mg/L	0.00518	0.5158 mg/L	0.00518	1.00%
QC value within limits for Co 228.616 Recovery = 103.16%						
V 292.402†	51508.9	0.5049 mg/L	0.00763	0.5049 mg/L	0.00763	1.51%
QC value within limits for V 292.402 Recovery = 100.98%						
K 766.490†	355.0	10.02 mg/L	0.142	10.02 mg/L	0.142	1.42%
QC value within limits for K 766.490 Recovery = 100.22%						
Na 330.237	2807.2	4.992 mg/L	0.3687	4.992 mg/L	0.3687	7.39%
QC value within limits for Na 330.237 Recovery = 99.84%						
Al 308.215†	21012.1	1.998 mg/L	0.0302	1.998 mg/L	0.0302	1.51%
QC value within limits for Al 308.215 Recovery = 99.89%						
Fe 273.955†	15195.2	1.030 mg/L	0.0116	1.030 mg/L	0.0116	1.13%
QC value within limits for Fe 273.955 Recovery = 102.97%						
Ca 315.887†	5955.4	4.997 mg/L	0.1578	4.997 mg/L	0.1578	3.16%
QC value within limits for Ca 315.887 Recovery = 99.93%						
Mg 279.077†	1607.4	4.980 mg/L	0.0668	4.980 mg/L	0.0668	1.34%
QC value within limits for Mg 279.077 Recovery = 99.61%						
Mo 202.031†	3030.1	0.4970 mg/L	0.00536	0.4970 mg/L	0.00536	1.08%
QC value within limits for Mo 202.031 Recovery = 99.40%						

All analytes passed QC.

Sequence No.: 4
Sample ID: ICB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/2/04 9:01:21 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:22 AM,

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	599188.6	106.5	%	3.41				3.20%
Sc 361.383	1199586.5	107.1	%	3.49				3.26%
As 188.979†	3.4	0.0044	mg/L	0.00219	0.0044	mg/L	0.00219	50.29%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	26.5	0.0004	mg/L	0.00060	0.0004	mg/L	0.00060	141.40%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-45.8	-0.0005	mg/L	0.00076	-0.0005	mg/L	0.00076	151.28%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	9.3	0.0004	mg/L	0.00039	0.0004	mg/L	0.00039	109.54%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	7.8	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	17.93%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Co 228.616†	-5.3	-0.0002	mg/L	0.00023	-0.0002	mg/L	0.00023	145.48%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	-61.3	-0.0006	mg/L	0.00061	-0.0006	mg/L	0.00061	101.25%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	1.6	0.0458	mg/L	0.03146	0.0458	mg/L	0.03146	68.65%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	-127.9	-0.2273	mg/L	0.25320	-0.2273	mg/L	0.25320	111.37%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-181.0	-0.0172	mg/L	0.00676	-0.0172	mg/L	0.00676	39.27%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	21.9	0.0015	mg/L	0.00178	0.0015	mg/L	0.00178	119.99%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	-11.7	-0.0098	mg/L	0.00652	-0.0098	mg/L	0.00652	66.59%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	2.3	0.0071	mg/L	0.00494	0.0071	mg/L	0.00494	69.61%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mo 202.031†	22.7	0.0037	mg/L	0.00085	0.0037	mg/L	0.00085	22.95%
QC value within limits for Mo 202.031 Recovery = Not calculated								

All analytes passed QC.

Sequence No.: 5
Sample ID: RL-STD
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 12/2/04 9:16:43 AM

Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:24 AM,

Mean Data: RL-STD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	604959.9	107.5	%	2.22				2.06%
Sc 361.383	1211465.6	108.2	%	2.26				2.09%
As 188.979†	8.0	0.0102	mg/L	0.00622	0.0102	mg/L	0.00622	60.94%
QC value within limits for As 188.979 Recovery = 102.08%								
Cr 267.716†	645.9	0.0104	mg/L	0.00039	0.0104	mg/L	0.00039	3.72%
QC value within limits for Cr 267.716 Recovery = 103.55%								
Cu 327.393†	813.3	0.0089	mg/L	0.00115	0.0089	mg/L	0.00115	12.94%
QC value within limits for Cu 327.393 Recovery = 88.90%								
Ni 231.604†	277.7	0.0108	mg/L	0.00057	0.0108	mg/L	0.00057	5.25%
QC value within limits for Ni 231.604 Recovery = 107.69%								
Zn 206.200†	205.2	0.0108	mg/L	0.00044	0.0108	mg/L	0.00044	4.08%
QC value within limits for Zn 206.200 Recovery = 108.11%								
Co 228.616†	336.4	0.0103	mg/L	0.00032	0.0103	mg/L	0.00032	3.13%
QC value within limits for Co 228.616 Recovery = 103.09%								
V 292.402†	914.3	0.0090	mg/L	0.00044	0.0090	mg/L	0.00044	4.96%
QC value within limits for V 292.402 Recovery = 89.62%								
K 766.490†	35.3	0.9975	mg/L	0.03600	0.9975	mg/L	0.03600	3.61%
QC value within limits for K 766.490 Recovery = 99.75%								
Na 330.237	551.9	0.9814	mg/L	0.46366	0.9814	mg/L	0.46366	47.24%
QC value within limits for Na 330.237 Recovery = 98.14%								
Al 308.215†	9867.9	0.9382	mg/L	0.00772	0.9382	mg/L	0.00772	0.82%
QC value within limits for Al 308.215 Recovery = 93.82%								
Fe 273.955†	14359.4	0.9731	mg/L	0.00251	0.9731	mg/L	0.00251	0.26%
QC value within limits for Fe 273.955 Recovery = 97.31%								
Ca 315.887†	1111.0	0.9321	mg/L	0.03133	0.9321	mg/L	0.03133	3.36%
QC value within limits for Ca 315.887 Recovery = 93.21%								
Mg 279.077†	302.8	0.9381	mg/L	0.04019	0.9381	mg/L	0.04019	4.28%
QC value within limits for Mg 279.077 Recovery = 93.81%								
Mo 202.031†	55.2	0.0091	mg/L	0.00032	0.0091	mg/L	0.00032	3.57%
QC value within limits for Mo 202.031 Recovery = 90.61%								

All analytes passed QC.

Sequence No.: 6
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/2/04 9:26:39 AM

Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:25 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	575434.9	102.3	%	4.75				4.65%
Sc 361.383	1152335.9	102.9	%	6.56				6.38%
As 188.979†	10.4	0.0132	mg/L	0.00358	0.0132	mg/L	0.00358	27.14%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	122.6	0.0020	mg/L	0.00006	0.0020	mg/L	0.00006	3.00%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-2037.2	-0.0223	mg/L	0.00304	-0.0223	mg/L	0.00304	13.63%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	-66.5	-0.0026	mg/L	0.00054	-0.0026	mg/L	0.00054	20.91%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	251.2	0.0132	mg/L	0.00040	0.0132	mg/L	0.00040	3.02%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Co 228.616†	-38.8	-0.0012	mg/L	0.00087	-0.0012	mg/L	0.00087	73.50%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	188.9	0.0019	mg/L	0.00053	0.0019	mg/L	0.00053	28.52%
QC value within limits for V 292.402 Recovery = Not calculated								

K 766.490†	6.3	0.1782 mg/L	0.04148	0.1782 mg/L	0.04148	23.28%
QC value within limits for K 766.490 Recovery = Not calculated						
Na 330.237	68046.4	121.0 mg/L	9.45	121.0 mg/L	9.45	7.81%
QC value within limits for Na 330.237 Recovery = 121.00%						
Al 308.215†	1234296.2	117.4 mg/L	4.20	117.4 mg/L	4.20	3.58%
QC value within limits for Al 308.215 Recovery = 97.80%						
Fe 273.955†	6629535.8	449.3 mg/L	1.16	449.3 mg/L	1.16	0.26%
QC value within limits for Fe 273.955 Recovery = 89.85%						
Ca 315.887†	692520.6	581.0 mg/L	22.93	581.0 mg/L	22.93	3.95%
QC value within limits for Ca 315.887 Recovery = 96.84%						
Mg 279.077†	90988.9	281.9 mg/L	11.72	281.9 mg/L	11.72	4.16%
QC value within limits for Mg 279.077 Recovery = 93.97%						
Mo 202.031†	70.6	0.0116 mg/L	0.00071	0.0116 mg/L	0.00071	6.12%
QC value within limits for Mo 202.031 Recovery = Not calculated						

All analytes passed QC.

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 12/2/04 9:32:22 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:27 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	575827.5	102.4	%	4.18				4.08%
Sc 361.383	1127184.0	100.7	%	3.85				3.82%
As 188.979†	7651.0	9.735	mg/L	0.3711	9.735	mg/L	0.3711	3.81%
QC value within limits for As 188.979 Recovery = 97.35%								
Cr 267.716†	174751.0	2.802	mg/L	0.1112	2.802	mg/L	0.1112	3.97%
QC value within limits for Cr 267.716 Recovery = 93.39%								
Cu 327.393†	260875.5	2.851	mg/L	0.1249	2.851	mg/L	0.1249	4.38%
QC value within limits for Cu 327.393 Recovery = 95.05%								
Ni 231.604†	67950.7	2.635	mg/L	0.1101	2.635	mg/L	0.1101	4.18%
QC value within limits for Ni 231.604 Recovery = 87.82%								
Zn 206.200†	50194.3	2.644	mg/L	0.1081	2.644	mg/L	0.1081	4.09%
QC value within limits for Zn 206.200 Recovery = 88.15%								
Co 228.616†	87360.0	2.677	mg/L	0.1092	2.677	mg/L	0.1092	4.08%
QC value within limits for Co 228.616 Recovery = 89.24%								
V 292.402†	301193.6	2.952	mg/L	0.1206	2.952	mg/L	0.1206	4.09%
QC value within limits for V 292.402 Recovery = 98.41%								
K 766.490†	7487.1	211.4	mg/L	9.52	211.4	mg/L	9.52	4.50%
QC value within limits for K 766.490 Recovery = 105.68%								
Na 330.237	61943.1	110.1	mg/L	4.92	110.1	mg/L	4.92	4.46%
QC value within limits for Na 330.237 Recovery = 110.15%								
Al 308.215†	1208904.5	114.9	mg/L	4.81	114.9	mg/L	4.81	4.18%
QC value within limits for Al 308.215 Recovery = 95.79%								
Fe 273.955†	6532713.3	442.7	mg/L	1.65	442.7	mg/L	1.65	0.37%
QC value within limits for Fe 273.955 Recovery = 88.54%								
Ca 315.887†	650806.1	546.0	mg/L	28.58	546.0	mg/L	28.58	5.23%
QC value within limits for Ca 315.887 Recovery = 91.00%								
Mg 279.077†	85905.3	266.2	mg/L	13.86	266.2	mg/L	13.86	5.21%
QC value within limits for Mg 279.077 Recovery = 88.72%								
Mo 202.031†	18085.7	2.966	mg/L	0.1215	2.966	mg/L	0.1215	4.09%
QC value within limits for Mo 202.031 Recovery = 98.88%								

All analytes passed QC.

01655

Reprocessing Begun
Logged In Analyst: Seattle_inst_Metals Technique: ICP Continuous

Results Data Set (original): 120204
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): sp772
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 5
Sample ID: CCV Date Collected: 12/2/04 5:33:18 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 11:59:39 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	639785.8	99.77	%	1.470				1.47%
Sc 361.383	1284919.4	100.3	%	1.04				1.03%
Ni 231.604†	26650.5	1.033	mg/L	0.0297	1.033	mg/L	0.0297	2.87%
QC value within limits for Ni 231.604 Recovery = 103.31%								
Co 228.616†	33875.5	1.030	mg/L	0.0296	1.030	mg/L	0.0296	2.87%
QC value within limits for Co 228.616 Recovery = 102.97%								
V 292.402†	102444.6	1.008	mg/L	0.0239	1.008	mg/L	0.0239	2.37%
QC value within limits for V 292.402 Recovery = 100.83%								
K 766.490†	365.4	10.35	mg/L	0.229	10.35	mg/L	0.229	2.22%
QC value within limits for K 766.490 Recovery = 103.54%								
Na 330.237†	5243.6	10.18	mg/L	0.832	10.18	mg/L	0.832	8.17%
QC value within limits for Na 330.237 Recovery = 101.79%								
Al 308.215†	106884.4	10.13	mg/L	0.278	10.13	mg/L	0.278	2.75%
QC value within limits for Al 308.215 Recovery = 101.28%								
Fe 273.955†	150203.0	10.15	mg/L	0.221	10.15	mg/L	0.221	2.18%
QC value within limits for Fe 273.955 Recovery = 101.46%								
Ca 315.887†	12415.9	10.42	mg/L	0.100	10.42	mg/L	0.100	0.96%
QC value within limits for Ca 315.887 Recovery = 104.17%								
Mg 279.077†	3342.4	10.44	mg/L	0.274	10.44	mg/L	0.274	2.63%
QC value within limits for Mg 279.077 Recovery = 104.38%								

All analytes passed QC.

Sequence No.: 2 Autosampler Location: 6
Sample ID: CCB Date Collected: 12/2/04 5:38:51 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 12:00:20 PM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	638679.1	99.60	%	1.098				1.10%
Sc 361.383	1277749.2	99.71	%	1.067				1.07%
Ni 231.604†	16.8	0.0007	mg/L	0.00035	0.0007	mg/L	0.00035	53.17%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	-13.9	-0.0004	mg/L	0.00024	-0.0004	mg/L	0.00024	56.60%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	-44.3	-0.0004	mg/L	0.00069	-0.0004	mg/L	0.00069	158.20%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	-0.7	-0.0209	mg/L	0.03044	-0.0209	mg/L	0.03044	145.53%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237†	127.3	0.2470	mg/L	0.19225	0.2470	mg/L	0.19225	77.82%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-4.5	-0.0004	mg/L	0.00212	-0.0004	mg/L	0.00212	499.62%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	122.3	0.0083	mg/L	0.00127	0.0083	mg/L	0.00127	15.41%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	6.3	0.0053	mg/L	0.00615	0.0053	mg/L	0.00615	116.71%

QC value within limits for Ca 315.887 Recovery = Not calculated

Mg 279.077†	4.8	0.0150 mg/L	0.00472	0.0150 mg/L	0.00472	31.42%

QC value within limits for Mg 279.077 Recovery = Not calculated

All analytes passed QC.

Sequence No.: 3 **Autosampler Location: 77**
Sample ID: mb sp772 **Date Collected: 12/2/04 5:44:02 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 12:00:24 PM,**

Mean Data: mb sp772

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	642657.5	100.2	%	1.15				1.14%
Sc 361.383	1284956.0	100.3	%	1.15				1.15%
Ni 231.604†	12.5	0.0005	mg/L	0.00061	0.0005	mg/L	0.00061	125.55%
Co 228.616†	-22.4	-0.0007	mg/L	0.00020	-0.0007	mg/L	0.00020	28.88%
V 292.402†	-16.0	-0.0002	mg/L	0.00034	-0.0002	mg/L	0.00034	218.26%
K 766.490†	-3.1	-0.0883	mg/L	0.05461	-0.0883	mg/L	0.05461	61.87%
Na 330.237†	67.7	0.1314	mg/L	0.26357	0.1314	mg/L	0.26357	200.58%
Al 308.215†	-59.6	-0.0056	mg/L	0.00453	-0.0056	mg/L	0.00453	80.21%
Fe 273.955†	10.8	0.0007	mg/L	0.00104	0.0007	mg/L	0.00104	142.52%
Ca 315.887†	3.3	0.0028	mg/L	0.00515	0.0028	mg/L	0.00515	186.32%
Mg 279.077†	-1.4	-0.0045	mg/L	0.00247	-0.0045	mg/L	0.00247	55.28%

Sequence No.: 4 **Autosampler Location: 78**
Sample ID: 125059-15-1/5 **Date Collected: 12/2/04 5:49:07 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 12:00:25 PM,**

Mean Data: 125059-15-1/5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	614998.6	95.91	%	0.083				0.09%
Sc 361.383	1231313.6	96.09	%	0.070				0.07%
Ni 231.604†	523.6	0.0203	mg/L	0.00056	0.0203	mg/L	0.00056	2.74%
Co 228.616†	277.7	0.0084	mg/L	0.00007	0.0084	mg/L	0.00007	0.77%
V 292.402†	5235.2	0.0515	mg/L	0.00060	0.0515	mg/L	0.00060	1.17%
K 766.490†	16.6	0.4703	mg/L	0.05736	0.4703	mg/L	0.05736	12.20%
Na 330.237†	-34.2	-0.0663	mg/L	0.19118	-0.0663	mg/L	0.19118	288.32%
Al 308.215†	58505.3	5.544	mg/L	0.0138	5.544	mg/L	0.0138	0.25%
Fe 273.955†	610813.9	41.26	mg/L	0.054	41.26	mg/L	0.054	0.13%
Ca 315.887†	4363.6	3.661	mg/L	0.0225	3.661	mg/L	0.0225	0.62%
Mg 279.077†	811.4	2.534	mg/L	0.0084	2.534	mg/L	0.0084	0.33%

Sequence No.: 5 **Autosampler Location: 79**
Sample ID: 125059-15 **Date Collected: 12/2/04 5:55:35 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 12:00:26 PM,**

Mean Data: 125059-15

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	547473.5	85.38	%	1.887				2.21%
Sc 361.383	1101027.2	85.92	%	1.920				2.23%
Ni 231.604†	2687.9	0.1042	mg/L	0.00166	0.1042	mg/L	0.00166	1.60%
Co 228.616†	1442.7	0.0439	mg/L	0.00061	0.0439	mg/L	0.00061	1.39%
V 292.402-	27825.6	0.2739	mg/L	0.00419	0.2739	mg/L	0.00419	1.53%
K 766.490-	92.0	2.606	mg/L	0.0609	2.606	mg/L	0.0609	2.34%
Na 330.237†	-311.1	-0.6039	mg/L	0.25132	-0.6039	mg/L	0.25132	41.62%
Al 308.215†	302927.5	28.70	mg/L	0.396	28.70	mg/L	0.396	1.38%
Fe 273.955†	3137601.6	211.9	mg/L	0.14	211.9	mg/L	0.14	0.07%

Ca 315.887†	22483.0	18.86 mg/L	0.398	18.86 mg/L	0.398	2.11%
Mg 279.077†	4125.8	12.88 mg/L	0.322	12.88 mg/L	0.322	2.50%

Sequence No.: 6
Sample ID: 125059-15d
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 80
Date Collected: 12/2/04 6:01:09 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:28 PM,

Mean Data: 125059-15d

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	555519.9	86.63	%	1.045				1.21%
Sc 361.383	1117664.4	87.22	%	1.120				1.28%
Ni 231.604†	2119.9	0.0822	mg/L	0.00080	0.0822	mg/L	0.00080	0.97%
Co 228.616†	1306.0	0.0397	mg/L	0.00081	0.0397	mg/L	0.00081	2.03%
V 292.402†	26517.2	0.2610	mg/L	0.00045	0.2610	mg/L	0.00045	0.17%
K 766.490†	52.0	1.472	mg/L	0.0625	1.472	mg/L	0.0625	4.24%
Na 330.237†	-300.1	-0.5826	mg/L	0.34356	-0.5826	mg/L	0.34356	58.97%
Al 308.215†	258837.9	24.53	mg/L	0.029	24.53	mg/L	0.029	0.12%
Fe 273.955†	1923815.8	129.9	mg/L	0.50	129.9	mg/L	0.50	0.39%
Ca 315.887†	21388.7	17.94	mg/L	0.184	17.94	mg/L	0.184	1.03%
Mg 279.077†	3579.9	11.18	mg/L	0.256	11.18	mg/L	0.256	2.29%

Sequence No.: 7
Sample ID: 125059-15dd
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 81
Date Collected: 12/2/04 6:06:42 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:29 PM,

Mean Data: 125059-15dd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	562198.0	87.67	%	0.554				0.63%
Sc 361.383	1133607.4	88.47	%	0.601				0.68%
Ni 231.604†	2472.5	0.0958	mg/L	0.00034	0.0958	mg/L	0.00034	0.36%
Co 228.616†	1568.8	0.0477	mg/L	0.00019	0.0477	mg/L	0.00019	0.39%
V 292.402†	28893.5	0.2844	mg/L	0.00101	0.2844	mg/L	0.00101	0.36%
K 766.490†	71.2	2.017	mg/L	0.0083	2.017	mg/L	0.0083	0.41%
Na 330.237†	-230.5	-0.4475	mg/L	0.26917	-0.4475	mg/L	0.26917	60.15%
Al 308.215†	332003.6	31.46	mg/L	0.013	31.46	mg/L	0.013	0.04%
Fe 273.955†	2186443.4	147.7	mg/L	0.21	147.7	mg/L	0.21	0.15%
Ca 315.887†	26059.0	21.86	mg/L	0.320	21.86	mg/L	0.320	1.46%
Mg 279.077†	5555.5	17.35	mg/L	0.278	17.35	mg/L	0.278	1.60%

Sequence No.: 8
Sample ID: 125059-15s
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 82
Date Collected: 12/2/04 6:12:15 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:30 PM,

Mean Data: 125059-15s

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	539536.2	84.14	%	0.898				1.07%
Sc 361.383	1083741.1	84.57	%	0.847				1.00%
Ni 231.604†	27487.0	1.066	mg/L	0.0175	1.066	mg/L	0.0175	1.64%
Co 228.616†	33402.3	1.015	mg/L	0.0173	1.015	mg/L	0.0173	1.71%
V 292.402†	127982.1	1.260	mg/L	0.0003	1.260	mg/L	0.0003	0.03%
K 766.490†	766.1	21.71	mg/L	0.259	21.71	mg/L	0.259	1.20%
Na 330.237†	10461.0	20.31	mg/L	0.240	20.31	mg/L	0.240	1.18%
Al 308.215†	369824.3	35.04	mg/L	0.074	35.04	mg/L	0.074	0.21%
Fe 273.955†	2307325.5	155.9	mg/L	0.28	155.9	mg/L	0.28	0.18%
Ca 315.887†	45972.0	38.57	mg/L	0.962	38.57	mg/L	0.962	2.49%
Mg 279.077†	10943.7	34.19	mg/L	0.706	34.19	mg/L	0.706	2.06%

Sequence No.: 9
Sample ID: 125059-15sd
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 83
Date Collected: 12/2/04 6:16:50 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:31 PM,

Mean Data: 125059-15sd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	539548.4	84.14	%	0.759				0.90%
Sc 361.383	1085411.9	84.70	%	0.788				0.93%
Ni 231.604†	27957.2	1.084	mg/L	0.0062	1.084	mg/L	0.0062	0.58%
Co 228.616†	34135.6	1.038	mg/L	0.0043	1.038	mg/L	0.0043	0.42%
V 292.402†	130930.9	1.289	mg/L	0.0035	1.289	mg/L	0.0035	0.27%
K 766.490†	769.1	21.79	mg/L	0.259	21.79	mg/L	0.259	1.19%
Na 330.237†	10614.4	20.60	mg/L	0.247	20.60	mg/L	0.247	1.20%
Al 308.215†	369630.2	35.02	mg/L	0.094	35.02	mg/L	0.094	0.27%
Fe 273.955†	2416552.9	163.2	mg/L	0.19	163.2	mg/L	0.19	0.12%
Ca 315.887†	45967.3	38.56	mg/L	0.650	38.56	mg/L	0.650	1.69%
Mg 279.077†	10713.7	33.46	mg/L	0.502	33.46	mg/L	0.502	1.50%

Sequence No.: 10
Sample ID: 125059-15ps
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 84
Date Collected: 12/2/04 6:21:26 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:32 PM,

Mean Data: 125059-15ps

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	555696.5	86.66	%	0.569				0.66%
Sc 361.383	1116136.3	87.10	%	0.594				0.68%
Ni 231.604†	27032.6	1.048	mg/L	0.0090	1.048	mg/L	0.0090	0.86%
Co 228.616†	32972.5	1.002	mg/L	0.0113	1.002	mg/L	0.0113	1.12%
V 292.402†	125557.5	1.236	mg/L	0.0009	1.236	mg/L	0.0009	0.07%
K 766.490†	905.6	25.66	mg/L	0.163	25.66	mg/L	0.163	0.63%
Na 330.237†	12424.9	24.12	mg/L	0.074	24.12	mg/L	0.074	0.31%
Al 308.215†	322625.6	30.57	mg/L	0.091	30.57	mg/L	0.091	0.30%
Fe 273.955†	3248073.2	219.4	mg/L	0.02	219.4	mg/L	0.02	0.01%
Ca 315.887†	48069.5	40.33	mg/L	0.663	40.33	mg/L	0.663	1.64%
Mg 279.077†	11116.1	34.72	mg/L	0.710	34.72	mg/L	0.710	2.05%

Sequence No.: 11
Sample ID: lcs-soil-1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 85
Date Collected: 12/2/04 6:26:04 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:33 PM,

Mean Data: lcs-soil-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	560450.2	87.40	%	0.447				0.51%
Sc 361.383	1137931.4	88.80	%	0.556				0.63%
Ni 231.604†	38279.8	1.484	mg/L	0.0034	1.484	mg/L	0.0034	0.23%
Co 228.616†	52057.0	1.582	mg/L	0.0021	1.582	mg/L	0.0021	0.13%
V 292.402†	136590.0	1.344	mg/L	0.0031	1.344	mg/L	0.0031	0.23%
K 766.490†	686.1	19.44	mg/L	0.026	19.44	mg/L	0.026	0.13%
Na 330.237†	2388.7	4.637	mg/L	0.2677	4.637	mg/L	0.2677	5.77%
Al 308.215†	538986.1	51.07	mg/L	0.186	51.07	mg/L	0.186	0.36%
Fe 273.955†	1744580.7	117.8	mg/L	0.32	117.8	mg/L	0.32	0.27%
Ca 315.887†	43927.5	36.85	mg/L	0.616	36.85	mg/L	0.616	1.67%
Mg 279.077†	6319.6	19.74	mg/L	0.164	19.74	mg/L	0.164	0.83%

Sequence No.: 12
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/2/04 6:31:39 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:35 PM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	664835.5	103.7	%	1.56				1.51%
Sc 361.383	1335360.1	104.2	%	1.17				1.12%
Ni 231.604†	26361.5	1.022	mg/L	0.0194	1.022	mg/L	0.0194	1.90%
QC value within limits for Ni 231.604 Recovery = 102.19%								
Co 228.616†	33567.3	1.020	mg/L	0.0221	1.020	mg/L	0.0221	2.17%
QC value within limits for Co 228.616 Recovery = 102.04%								
V 292.402†	101746.4	1.001	mg/L	0.0166	1.001	mg/L	0.0166	1.66%
QC value within limits for V 292.402 Recovery = 100.14%								
K 766.490†	348.7	9.881	mg/L	0.1952	9.881	mg/L	0.1952	1.98%
QC value within limits for K 766.490 Recovery = 98.81%								
Na 330.237†	5114.2	9.928	mg/L	0.1216	9.928	mg/L	0.1216	1.23%
QC value within limits for Na 330.237 Recovery = 99.28%								
Al 308.215†	105714.3	10.02	mg/L	0.195	10.02	mg/L	0.195	1.94%
QC value within limits for Al 308.215 Recovery = 100.17%								
Fe 273.955†	148881.1	10.06	mg/L	0.145	10.06	mg/L	0.145	1.44%
QC value within limits for Fe 273.955 Recovery = 100.57%								
Ca 315.887†	12403.2	10.41	mg/L	0.199	10.41	mg/L	0.199	1.91%
QC value within limits for Ca 315.887 Recovery = 104.06%								
Mg 279.077†	3364.0	10.51	mg/L	0.314	10.51	mg/L	0.314	2.99%
QC value within limits for Mg 279.077 Recovery = 105.06%								

All analytes passed QC.

Sequence No.: 13
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 12/2/04 6:37:12 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:36 PM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	623535.9	97.24	%	1.176				1.21%
Sc 361.383	1246984.4	97.31	%	1.202				1.23%
Ni 231.604†	11.6	0.0004	mg/L	0.00038	0.0004	mg/L	0.00038	84.92%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	12.4	0.0004	mg/L	0.00005	0.0004	mg/L	0.00005	12.70%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	-39.5	-0.0004	mg/L	0.00031	-0.0004	mg/L	0.00031	80.71%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	-1.5	-0.0425	mg/L	0.05205	-0.0425	mg/L	0.05205	122.42%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237†	12.9	0.0250	mg/L	0.26426	0.0250	mg/L	0.26426	>999.9%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	54.7	0.0052	mg/L	0.00500	0.0052	mg/L	0.00500	96.58%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	140.1	0.0095	mg/L	0.00327	0.0095	mg/L	0.00327	34.52%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	17.5	0.0147	mg/L	0.00290	0.0147	mg/L	0.00290	19.73%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	-1.4	-0.0044	mg/L	0.01046	-0.0044	mg/L	0.01046	236.88%
QC value within limits for Mg 279.077 Recovery = Not calculated								

All analytes passed QC.

Sequence No.: 14
Sample ID: mb sp772
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 86
Date Collected: 12/2/04 6:42:23 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:37 PM,

01660

Mean Data: mb sp772

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	641244.1	100.0	%	0.85				0.85%
Sc 361.383	1281974.1	100.0	%	0.82				0.82%
Ni 231.604†	6.0	0.0002	mg/L	0.00042	0.0002	mg/L	0.00042	180.94%
Co 228.616†	-0.3	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	992.24%
V 292.402†	-43.3	-0.0004	mg/L	0.00045	-0.0004	mg/L	0.00045	105.47%
K 766.490†	-5.5	-0.1556	mg/L	0.07207	-0.1556	mg/L	0.07207	46.32%
Na 330.237†	49.1	0.0953	mg/L	0.11211	0.0953	mg/L	0.11211	117.59%
Al 308.215†	-54.4	-0.0052	mg/L	0.00753	-0.0052	mg/L	0.00753	146.06%
Fe 273.955†	34.7	0.0023	mg/L	0.00208	0.0023	mg/L	0.00208	88.90%
Ca 315.887†	6.3	0.0053	mg/L	0.00180	0.0053	mg/L	0.00180	34.35%
Mg 279.077†	1.9	0.0059	mg/L	0.01171	0.0059	mg/L	0.01171	199.48%

Sequence No.: 15
Sample ID: 125059-8
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 87
Date Collected: 12/2/04 6:47:25 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:39 PM,

Mean Data: 125059-8

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	539106.2	84.07	%	1.097				1.30%
Sc 361.383	1153021.5	89.98	%	1.338				1.49%
Ni 231.604†	11318.4	0.4387	mg/L	0.00336	0.4387	mg/L	0.00336	0.77%
Co 228.616†	4040.5	0.1228	mg/L	0.00176	0.1228	mg/L	0.00176	1.44%
V 292.402†	62443.4	0.6146	mg/L	0.00717	0.6146	mg/L	0.00717	1.17%
K 766.490†	175.9	4.985	mg/L	0.0959	4.985	mg/L	0.0959	1.92%
Na 330.237†	1654.6	3.212	mg/L	0.1911	3.212	mg/L	0.1911	5.95%
Al 308.215†	1398997.0	132.6	mg/L	0.49	132.6	mg/L	0.49	0.37%
Fe 273.955†	3422883.1	231.2	mg/L	0.56	231.2	mg/L	0.56	0.24%
Ca 315.887†	72443.9	60.78	mg/L	2.100	60.78	mg/L	2.100	3.46%
Mg 279.077†	24265.5	75.78	mg/L	2.556	75.78	mg/L	2.556	3.37%

Sequence No.: 16
Sample ID: 125059-10
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 88
Date Collected: 12/2/04 6:52:55 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:39 PM,

Mean Data: 125059-10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	539131.2	84.08	%	0.718				0.85%
Sc 361.383	1125791.7	87.86	%	0.799				0.91%
Ni 231.604†	3600.7	0.1396	mg/L	0.00094	0.1396	mg/L	0.00094	0.67%
Co 228.616†	3110.0	0.0945	mg/L	0.00047	0.0945	mg/L	0.00047	0.49%
V 292.402†	48601.4	0.4784	mg/L	0.00393	0.4784	mg/L	0.00393	0.82%
K 766.490†	339.9	9.632	mg/L	0.1302	9.632	mg/L	0.1302	1.35%
Na 330.237†	-803.2	-1.559	mg/L	0.7480	-1.559	mg/L	0.7480	47.97%
Al 308.215†	1052758.6	99.75	mg/L	0.426	99.75	mg/L	0.426	0.43%
Fe 273.955†	2946124.7	199.0	mg/L	0.16	199.0	mg/L	0.16	0.08%
Ca 315.887†	57987.8	48.65	mg/L	0.472	48.65	mg/L	0.472	0.97%
Mg 279.077†	17044.4	53.23	mg/L	0.450	53.23	mg/L	0.450	0.84%

Sequence No.: 17
Sample ID: 125059-12
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 89
Date Collected: 12/2/04 6:58:26 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:40 PM,

Mean Data: 125059-12

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	544663.5	84.94	%	0.809				0.95%
Sc 361.383	1151067.1	89.83	%	0.946				1.05%
Ni 231.604†	5604.3	0.2172	mg/L	0.00053	0.2172	mg/L	0.00053	0.24%
Co 228.616†	5447.1	0.1656	mg/L	0.00105	0.1656	mg/L	0.00105	0.64%
V 292.402†	62632.2	0.6165	mg/L	0.00410	0.6165	mg/L	0.00410	0.67%
K 766.490†	291.6	8.262	mg/L	0.2001	8.262	mg/L	0.2001	2.42%
Na 330.237†	-250.7	-0.4866	mg/L	0.13769	-0.4866	mg/L	0.13769	28.30%
Al 308.215†	1353350.8	128.2	mg/L	0.13	128.2	mg/L	0.13	0.10%
Fe 273.955†	4378462.5	295.8	mg/L	0.33	295.8	mg/L	0.33	0.11%
Ca 315.887†	83718.0	70.24	mg/L	1.351	70.24	mg/L	1.351	1.92%
Mg 279.077†	28229.8	88.16	mg/L	1.967	88.16	mg/L	1.967	2.23%

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Sequence No.: 18
Sample ID: 125059-13
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 90
Date Collected: 12/2/04 7:03:59 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:42 PM,

Mean Data: 125059-13

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	310298.1	48.39	%	0.994				2.05%
Sc 361.383	647127.2	50.50	%	1.174				2.32%
Ni 231.604†	4492.5	0.1741	mg/L	0.00166	0.1741	mg/L	0.00166	0.95%
Co 228.616†	4678.7	0.1422	mg/L	0.00205	0.1422	mg/L	0.00205	1.44%
V 292.402†	53559.7	0.5272	mg/L	0.00281	0.5272	mg/L	0.00281	0.53%
K 766.490†	247.7	7.020	mg/L	0.2281	7.020	mg/L	0.2281	3.25%
Na 330.237†	522.8	1.015	mg/L	1.0599	1.015	mg/L	1.0599	104.44%
Al 308.215†	987455.0	93.57	mg/L	0.378	93.57	mg/L	0.378	0.40%
Fe 273.955†	3803595.8	256.9	mg/L	0.94	256.9	mg/L	0.94	0.37%
Ca 315.887†	60921.7	51.11	mg/L	1.508	51.11	mg/L	1.508	2.95%
Mg 279.077†	20605.1	64.35	mg/L	1.466	64.35	mg/L	1.466	2.28%

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Sequence No.: 19
Sample ID: 125059-14
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 91
Date Collected: 12/2/04 7:09:28 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:43 PM,

Mean Data: 125059-14

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	546574.8	85.24	%	0.466				0.55%
Sc 361.383	1142306.9	89.14	%	0.695				0.78%
Ni 231.604†	1759.4	0.0682	mg/L	0.00056	0.0682	mg/L	0.00056	0.82%
Co 228.616†	4603.0	0.1399	mg/L	0.00041	0.1399	mg/L	0.00041	0.29%
V 292.402†	63010.9	0.6202	mg/L	0.00202	0.6202	mg/L	0.00202	0.33%
K 766.490†	275.0	7.793	mg/L	0.0664	7.793	mg/L	0.0664	0.85%
Na 330.237†	-4589.5	-8.909	mg/L	0.1969	-8.909	mg/L	0.1969	2.21%
Al 308.215†	750406.4	71.10	mg/L	0.168	71.10	mg/L	0.168	0.24%
Fe 273.955†	3439868.5	232.4	mg/L	0.57	232.4	mg/L	0.57	0.24%
Ca 315.887†	52418.5	43.98	mg/L	0.644	43.98	mg/L	0.644	1.46%
Mg 279.077†	12526.2	39.12	mg/L	0.581	39.12	mg/L	0.581	1.49%

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Sequence No.: 20
Sample ID: 125059-16
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 92
Date Collected: 12/2/04 7:15:00 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:44 PM,

Mean Data: 125059-16

Mean Corrected Calib Sample

01662

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Lu 261.542	558815.3	87.15	%	1.019				1.17%
Sc 361.383	1124560.1	87.76	%	0.694				0.79%
Ni 231.604†	26118.1	1.012	mg/L	0.0244	1.012	mg/L	0.0244	2.41%
Co 228.616†	2400.3	0.0730	mg/L	0.00096	0.0730	mg/L	0.00096	1.32%
V 292.402†	19454.4	0.1915	mg/L	0.00540	0.1915	mg/L	0.00540	2.82%
K 766.490†	61.2	1.733	mg/L	0.0577	1.733	mg/L	0.0577	3.33%
Na 330.237†	-748.3	-1.453	mg/L	0.1617	-1.453	mg/L	0.1617	11.13%
Al 308.215†	221375.7	20.98	mg/L	0.584	20.98	mg/L	0.584	2.79%
Fe 273.955†	2997972.3	202.5	mg/L	0.39	202.5	mg/L	0.39	0.19%
Ca 315.887†	35986.0	30.19	mg/L	0.157	30.19	mg/L	0.157	0.52%
Mg 279.077†	25737.7	80.38	mg/L	0.384	80.38	mg/L	0.384	0.48%

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Sequence No.: 21 **Autosampler Location: 93**
Sample ID: 125059-17 **Date Collected: 12/2/04 7:20:36 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 12:00:45 PM,**

Mean Data: 125059-17

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	558059.4	87.03	%	1.675				1.92%
Sc 361.383	1131417.9	88.29	%	1.704				1.93%
Ni 231.604†	22364.3	0.8669	mg/L	0.01559	0.8669	mg/L	0.01559	1.80%
Co 228.616†	3415.7	0.1038	mg/L	0.00205	0.1038	mg/L	0.00205	1.97%
V 292.402†	35725.4	0.3516	mg/L	0.00686	0.3516	mg/L	0.00686	1.95%
K 766.490†	78.6	2.228	mg/L	0.0761	2.228	mg/L	0.0761	3.41%
Na 330.237†	-1940.6	-3.767	mg/L	0.2894	-3.767	mg/L	0.2894	7.68%
Al 308.215†	401714.8	38.06	mg/L	0.752	38.06	mg/L	0.752	1.98%
Fe 273.955†	3930434.0	265.5	mg/L	1.64	265.5	mg/L	1.64	0.62%
Ca 315.887†	43279.2	36.31	mg/L	0.843	36.31	mg/L	0.843	2.32%
Mg 279.077†	25391.3	79.30	mg/L	1.826	79.30	mg/L	1.826	2.30%

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Sequence No.: 22 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 12/2/04 7:26:10 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 12:00:46 PM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	667268.4	104.1	%	1.67				1.61%
Sc 361.383	1339485.0	104.5	%	1.19				1.14%
Ni 231.604†	25957.8	1.006	mg/L	0.0227	1.006	mg/L	0.0227	2.26%
QC value within limits for Ni 231.604 Recovery = 100.62%								
Co 228.616†	33020.3	1.004	mg/L	0.0225	1.004	mg/L	0.0225	2.24%
QC value within limits for Co 228.616 Recovery = 100.37%								
V 292.402†	100244.7	0.9867	mg/L	0.01676	0.9867	mg/L	0.01676	1.70%
QC value within limits for V 292.402 Recovery = 98.67%								
K 766.490†	344.4	9.760	mg/L	0.2352	9.760	mg/L	0.2352	2.41%
QC value within limits for K 766.490 Recovery = 97.60%								
Na 330.237†	4943.5	9.596	mg/L	0.3609	9.596	mg/L	0.3609	3.76%
QC value within limits for Na 330.237 Recovery = 95.96%								
Al 308.215†	104169.7	9.871	mg/L	0.2173	9.871	mg/L	0.2173	2.20%
QC value within limits for Al 308.215 Recovery = 98.71%								
Fe 273.955†	146748.5	9.912	mg/L	0.1333	9.912	mg/L	0.1333	1.34%
QC value within limits for Fe 273.955 Recovery = 99.12%								
Ca 315.887†	11996.5	10.06	mg/L	0.048	10.06	mg/L	0.048	0.48%
QC value within limits for Ca 315.887 Recovery = 100.65%								
Mg 279.077†	3238.4	10.11	mg/L	0.088	10.11	mg/L	0.088	0.87%
QC value within limits for Mg 279.077 Recovery = 101.13%								

All analytes passed QC.

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Sequence No.: 23 **Autosampler Location: 6**

Sample ID: CCB Date Collected: 12/2/04 7:31:42 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 12:00:48 PM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	630958.0	98.40	%	1.841				1.87%
Sc 361.383	1260432.8	98.36	%	1.859				1.89%
Ni 231.604†	12.7	0.0005	mg/L	0.00045	0.0005	mg/L	0.00045	92.03%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	10.2	0.0003	mg/L	0.00011	0.0003	mg/L	0.00011	35.76%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	47.6	0.0005	mg/L	0.00020	0.0005	mg/L	0.00020	41.94%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	-2.8	-0.0797	mg/L	0.04789	-0.0797	mg/L	0.04789	60.08%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237†	-16.4	-0.0319	mg/L	0.30412	-0.0319	mg/L	0.30412	953.12%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-35.2	-0.0033	mg/L	0.00628	-0.0033	mg/L	0.00628	188.22%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	179.3	0.0121	mg/L	0.00104	0.0121	mg/L	0.00104	8.56%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	6.5	0.0054	mg/L	0.00224	0.0054	mg/L	0.00224	41.35%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	3.2	0.0098	mg/L	0.01920	0.0098	mg/L	0.01920	195.13%
QC value within limits for Mg 279.077 Recovery = Not calculated								

All analytes passed QC.

Sequence No.: 24 Autosampler Location: 94
Sample ID: mb sp772 Date Collected: 12/2/04 7:36:53 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 12:00:49 PM,

Mean Data: mb sp772

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	517434.6	80.69	%	0.247				0.31%
Sc 361.383	1031711.4	80.51	%	0.183				0.23%
Ni 231.604†	16.0	0.0006	mg/L	0.00028	0.0006	mg/L	0.00028	45.73%
Co 228.616†	4.8	0.0001	mg/L	0.00019	0.0001	mg/L	0.00019	131.33%
V 292.402†	149.7	0.0015	mg/L	0.00033	0.0015	mg/L	0.00033	22.37%
K 766.490†	-1.3	-0.0362	mg/L	0.05209	-0.0362	mg/L	0.05209	143.69%
Na 330.237†	522.7	1.015	mg/L	0.1895	1.015	mg/L	0.1895	18.67%
Al 308.215†	796.2	0.0754	mg/L	0.00152	0.0754	mg/L	0.00152	2.02%
Fe 273.955†	87.4	0.0059	mg/L	0.00252	0.0059	mg/L	0.00252	42.62%
Ca 315.887†	46.0	0.0386	mg/L	0.00752	0.0386	mg/L	0.00752	19.51%
Mg 279.077†	-2.6	-0.0080	mg/L	0.03335	-0.0080	mg/L	0.03335	416.33%

Sequence No.: 25 Autosampler Location: 95
Sample ID: 125060-3 Date Collected: 12/2/04 7:41:59 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 12:00:50 PM,

Mean Data: 125060-3

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	561761.2	87.61	%	0.390				0.45%
Sc 361.383	1157512.2	90.33	%	0.214				0.24%
Ni 231.604†	5306.6	0.2057	mg/L	0.00060	0.2057	mg/L	0.00060	0.29%
Co 228.616†	3865.2	0.1175	mg/L	0.00015	0.1175	mg/L	0.00015	0.13%
V 292.402†	56524.5	0.5563	mg/L	0.00885	0.5563	mg/L	0.00885	1.59%
K 766.490†	154.2	4.368	mg/L	0.0189	4.368	mg/L	0.0189	0.43%

Na 330.237†	-2254.4	-4.376 mg/L	0.2668	-4.376 mg/L	0.2668	6.10%
Al 308.215†	929077.3	88.03 mg/L	0.121	88.03 mg/L	0.121	0.14%
Fe 273.955†	3389257.7	228.9 mg/L	0.17	228.9 mg/L	0.17	0.07%
Ca 315.887†	59668.4	50.06 mg/L	0.482	50.06 mg/L	0.482	0.96%
Mg 279.077†	19377.9	60.52 mg/L	0.630	60.52 mg/L	0.630	1.04%

Sequence No.: 26 **Autosampler Location: 96**
Sample ID: 125060-4 **Date Collected: 12/2/04 7:47:34 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 12:00:51 PM,**

Mean Data: 125060-4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	556713.3	86.82	%	1.051				1.21%
Sc 361.383	1128028.7	88.03	%	1.241				1.41%
Ni 231.604†	1341.5	0.0520	mg/L	0.00010	0.0520	mg/L	0.00010	0.19%
Co 228.616†	3515.3	0.1069	mg/L	0.00086	0.1069	mg/L	0.00086	0.80%
V 292.402†	51988.1	0.5117	mg/L	0.00124	0.5117	mg/L	0.00124	0.24%
K 766.490†	123.4	3.496	mg/L	0.0334	3.496	mg/L	0.0334	0.95%
Na 330.237†	-5577.1	-10.83	mg/L	0.483	-10.83	mg/L	0.483	4.46%
Al 308.215†	386543.7	36.63	mg/L	0.041	36.63	mg/L	0.041	0.11%
Fe 273.955†	2796313.4	188.9	mg/L	0.23	188.9	mg/L	0.23	0.12%
Ca 315.887†	43327.6	36.35	mg/L	0.238	36.35	mg/L	0.238	0.65%
Mg 279.077†	8099.5	25.29	mg/L	0.347	25.29	mg/L	0.347	1.37%

Sequence No.: 27 **Autosampler Location: 97**
Sample ID: 125060-5 **Date Collected: 12/2/04 7:53:05 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 12:00:52 PM,**

Mean Data: 125060-5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	547475.9	85.38	%	0.778				0.91%
Sc 361.383	1159395.6	90.48	%	0.840				0.93%
Ni 231.604†	14498.1	0.5620	mg/L	0.00346	0.5620	mg/L	0.00346	0.61%
Co 228.616†	5032.8	0.1530	mg/L	0.00165	0.1530	mg/L	0.00165	1.08%
V 292.402†	67774.9	0.6671	mg/L	0.00923	0.6671	mg/L	0.00923	1.38%
K 766.490†	212.2	6.014	mg/L	0.0662	6.014	mg/L	0.0662	1.10%
Na 330.237†	-267.4	-0.5191	mg/L	0.31792	-0.5191	mg/L	0.31792	61.25%
Al 308.215†	1515445.9	143.6	mg/L	0.05	143.6	mg/L	0.05	0.03%
Fe 273.955†	4732642.3	319.7	mg/L	0.28	319.7	mg/L	0.28	0.09%
Ca 315.887†	116063.6	97.37	mg/L	2.522	97.37	mg/L	2.522	2.59%
Mg 279.077†	27974.3	87.36	mg/L	2.240	87.36	mg/L	2.240	2.56%

Sequence No.: 28 **Autosampler Location: 98**
Sample ID: 125060-6 **Date Collected: 12/2/04 7:58:42 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 12:00:53 PM,**

Mean Data: 125060-6

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	537133.5	83.76	%	0.174				0.21%
Sc 361.383	1157979.2	90.37	%	0.364				0.40%
Ni 231.604†	5808.9	0.2252	mg/L	0.00132	0.2252	mg/L	0.00132	0.59%
Co 228.616†	5430.1	0.1651	mg/L	0.00049	0.1651	mg/L	0.00049	0.30%
V 292.402†	75707.2	0.7452	mg/L	0.00950	0.7452	mg/L	0.00950	1.28%
K 766.490†	181.5	5.144	mg/L	0.0641	5.144	mg/L	0.0641	1.25%
Na 330.237†	1199.8	2.329	mg/L	0.3064	2.329	mg/L	0.3064	13.15%
Al 308.215†	2042044.0	193.5	mg/L	0.43	193.5	mg/L	0.43	0.22%

Fe 273.955†	4356424.0	294.3	mg/L	0.27	294.3	mg/L	0.27	0.09%
Ca 315.887†	98310.8	82.48	mg/L	0.515	82.48	mg/L	0.515	0.62%
Mg 279.077†	37199.6	116.2	mg/L	0.57	116.2	mg/L	0.57	0.49%

Sequence No.: 29
Sample ID: 125060-8
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 99
Date Collected: 12/2/04 8:04:18 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:55 PM,

Mean Data: 125060-8

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	550720.0	85.88	%	0.579				0.67%
Sc 361.383	1160103.6	90.53	%	0.353				0.39%
Ni 231.604†	6770.0	0.2624	mg/L	0.00269	0.2624	mg/L	0.00269	1.03%
Co 228.616†	4479.3	0.1362	mg/L	0.00152	0.1362	mg/L	0.00152	1.12%
V 292.402†	64760.3	0.6374	mg/L	0.00567	0.6374	mg/L	0.00567	0.89%
K 766.490†	214.2	6.071	mg/L	0.0679	6.071	mg/L	0.0679	1.12%
Na 330.237†	-1379.2	-2.677	mg/L	0.3092	-2.677	mg/L	0.3092	11.55%
Al 308.215†	1426545.0	135.2	mg/L	0.40	135.2	mg/L	0.40	0.30%
Fe 273.955†	3796473.1	256.4	mg/L	0.74	256.4	mg/L	0.74	0.29%
Ca 315.887†	78508.4	65.87	mg/L	1.803	65.87	mg/L	1.803	2.74%
Mg 279.077†	22555.7	70.44	mg/L	1.871	70.44	mg/L	1.871	2.66%

Sequence No.: 30
Sample ID: bs sp772
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 100
Date Collected: 12/2/04 8:09:55 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:55 PM,

Mean Data: bs sp772

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	526127.3	82.05	%	0.693				0.84%
Sc 361.383	1047716.9	81.76	%	0.977				1.19%
Ni 231.604†	24734.0	0.9588	mg/L	0.00106	0.9588	mg/L	0.00106	0.11%
Co 228.616†	31695.6	0.9635	mg/L	0.00503	0.9635	mg/L	0.00503	0.52%
V 292.402†	99197.2	0.9764	mg/L	0.00330	0.9764	mg/L	0.00330	0.34%
K 766.490†	680.7	19.29	mg/L	0.209	19.29	mg/L	0.209	1.08%
Na 330.237†	10659.9	20.69	mg/L	0.168	20.69	mg/L	0.168	0.81%
Al 308.215†	40480.3	3.836	mg/L	0.0191	3.836	mg/L	0.0191	0.50%
Fe 273.955†	316582.9	21.38	mg/L	0.107	21.38	mg/L	0.107	0.50%
Ca 315.887†	22308.1	18.72	mg/L	0.270	18.72	mg/L	0.270	1.44%
Mg 279.077†	5977.5	18.67	mg/L	0.068	18.67	mg/L	0.068	0.36%

Sequence No.: 31
Sample ID: bsd sp772
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 101
Date Collected: 12/2/04 8:15:27 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:56 PM,

Mean Data: bsd sp772

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	532605.1	83.06	%	1.257				1.51%
Sc 361.383	1063550.0	83.00	%	1.311				1.58%
Ni 231.604†	25074.2	0.9720	mg/L	0.00284	0.9720	mg/L	0.00284	0.29%
Co 228.616†	32195.1	0.9786	mg/L	0.00212	0.9786	mg/L	0.00212	0.22%
V 292.402†	100807.0	0.9922	mg/L	0.00030	0.9922	mg/L	0.00030	0.03%
K 766.490†	670.9	19.01	mg/L	0.266	19.01	mg/L	0.266	1.40%
Na 330.237†	10617.0	20.61	mg/L	0.128	20.61	mg/L	0.128	0.62%
Al 308.215†	41380.7	3.921	mg/L	0.0151	3.921	mg/L	0.0151	0.39%
Fe 273.955†	316352.1	21.37	mg/L	0.043	21.37	mg/L	0.043	0.20%
Ca 315.887†	21911.3	18.38	mg/L	0.352	18.38	mg/L	0.352	1.92%

Mg 279.077†	5914.9	18.47 mg/L	0.281	18.47 mg/L	0.281	1.52%

Sequence No.: 32
Sample ID: lcs-soil-2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 102
Date Collected: 12/2/04 8:21:00 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:58 PM,

Mean Data: lcs-soil-2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	557088.9	86.88	%	0.888				1.02%
Sc 361.383	1131465.2	88.30	%	0.888				1.01%
Ni 231.604†	37979.5	1.472	mg/L	0.0096	1.472	mg/L	0.0096	0.65%
Co 228.616†	51787.8	1.574	mg/L	0.0136	1.574	mg/L	0.0136	0.86%
V 292.402†	135182.7	1.331	mg/L	0.0086	1.331	mg/L	0.0086	0.65%
K 766.490†	678.6	19.23	mg/L	0.181	19.23	mg/L	0.181	0.94%
Na 330.237†	2231.8	4.332	mg/L	0.0756	4.332	mg/L	0.0756	1.75%
Al 308.215†	535099.7	50.70	mg/L	0.363	50.70	mg/L	0.363	0.72%
Fe 273.955†	1734960.1	117.2	mg/L	0.78	117.2	mg/L	0.78	0.67%
Ca 315.887†	44098.7	37.00	mg/L	0.295	37.00	mg/L	0.295	0.80%
Mg 279.077†	6451.3	20.15	mg/L	0.112	20.15	mg/L	0.112	0.56%

Sequence No.: 33
Sample ID: mb sp772
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 103
Date Collected: 12/2/04 8:26:28 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:00:59 PM,

Mean Data: mb sp772

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	649037.4	101.2	%	0.49				0.48%
Sc 361.383	1297127.3	101.2	%	0.52				0.51%
Ni 231.604†	14.1	0.0005	mg/L	0.00010	0.0005	mg/L	0.00010	18.86%
Co 228.616†	2.3	0.0001	mg/L	0.00027	0.0001	mg/L	0.00027	377.19%
V 292.402†	-57.9	-0.0006	mg/L	0.00042	-0.0006	mg/L	0.00042	74.49%
K 766.490†	-4.1	-0.1171	mg/L	0.03699	-0.1171	mg/L	0.03699	31.58%
Na 330.237†	-37.6	-0.0731	mg/L	0.19967	-0.0731	mg/L	0.19967	273.22%
Al 308.215†	9.5	0.0009	mg/L	0.00092	0.0009	mg/L	0.00092	102.21%
Fe 273.955†	524.1	0.0354	mg/L	0.00319	0.0354	mg/L	0.00319	9.02%
Ca 315.887†	12.8	0.0108	mg/L	0.00432	0.0108	mg/L	0.00432	40.18%
Mg 279.077†	6.5	0.0204	mg/L	0.01177	0.0204	mg/L	0.01177	57.72%

Sequence No.: 34
Sample ID: CCV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/2/04 8:31:31 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:01:00 PM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	646317.4	100.8	%	3.81				3.78%
Sc 361.383	1296857.8	101.2	%	3.45				3.41%
Ni 231.604†	26353.5	1.022	mg/L	0.0278	1.022	mg/L	0.0278	2.72%
QC value within limits for Ni 231.604 Recovery = 102.16%								
Co 228.616†	33468.9	1.017	mg/L	0.0247	1.017	mg/L	0.0247	2.43%
QC value within limits for Co 228.616 Recovery = 101.74%								
V 292.402†	101583.4	0.9998	mg/L	0.01953	0.9998	mg/L	0.01953	1.95%
QC value within limits for V 292.402 Recovery = 99.98%								
K 766.490†	346.5	9.820	mg/L	0.3868	9.820	mg/L	0.3868	3.94%
QC value within limits for K 766.490 Recovery = 98.20%								
Na 330.237†	5103.0	9.906	mg/L	0.5444	9.906	mg/L	0.5444	5.50%
QC value within limits for Na 330.237 Recovery = 99.06%								

Al 308.215†	105686.1	10.01 mg/L	0.236	10.01 mg/L	0.236	2.36%
QC value within limits for Al 308.215 Recovery = 100.14%						
Fe 273.955†	148783.8	10.05 mg/L	0.173	10.05 mg/L	0.173	1.72%
QC value within limits for Fe 273.955 Recovery = 100.50%						
Ca 315.887†	12230.1	10.26 mg/L	0.174	10.26 mg/L	0.174	1.70%
QC value within limits for Ca 315.887 Recovery = 102.61%						
Mg 279.077†	3308.3	10.33 mg/L	0.144	10.33 mg/L	0.144	1.39%
QC value within limits for Mg 279.077 Recovery = 103.32%						

All analytes passed QC.

Sequence No.: 35
Sample ID: CCB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 12/2/04 8:37:04 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:01:02 PM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	637280.8	99.38	%	1.084				1.09%
Sc 361.383	1273027.9	99.35	%	1.026				1.03%
Ni 231.604†	13.1	0.0005	mg/L	0.00047	0.0005	mg/L	0.00047	92.07%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	9.1	0.0003	mg/L	0.00009	0.0003	mg/L	0.00009	33.23%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	11.8	0.0001	mg/L	0.00031	0.0001	mg/L	0.00031	263.02%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	-3.5	-0.0983	mg/L	0.04608	-0.0983	mg/L	0.04608	46.86%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237†	41.9	0.0813	mg/L	0.09139	0.0813	mg/L	0.09139	112.44%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-144.1	-0.0137	mg/L	0.00576	-0.0137	mg/L	0.00576	42.19%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	157.2	0.0106	mg/L	0.00312	0.0106	mg/L	0.00312	29.40%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	14.9	0.0125	mg/L	0.00688	0.0125	mg/L	0.00688	54.84%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	2.4	0.0075	mg/L	0.02234	0.0075	mg/L	0.02234	297.01%
QC value within limits for Mg 279.077 Recovery = Not calculated								

All analytes passed QC.

Sequence No.: 1
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/2/04 8:42:15 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:01:17 PM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	584903.4	91.21	%	1.456				1.60%
Sc 361.383	1149270.2	89.69	%	1.055				1.18%
Ni 231.604†	-77.1	-0.0030	mg/L	0.00035	-0.0030	mg/L	0.00035	11.79%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	-47.0	-0.0014	mg/L	0.00053	-0.0014	mg/L	0.00053	37.04%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	277.6	0.0027	mg/L	0.00017	0.0027	mg/L	0.00017	6.05%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	0.7	0.0191	mg/L	0.08142	0.0191	mg/L	0.08142	426.60%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237†	59492.9	115.5	mg/L	2.00	115.5	mg/L	2.00	1.73%
QC value within limits for Na 330.237 Recovery = 115.49%								
Al 308.215†	1224208.1	116.0	mg/L	2.13	116.0	mg/L	2.13	1.84%
QC value within limits for Al 308.215 Recovery = 96.67%								
Fe 273.955†	6734768.8	454.9	mg/L	2.03	454.9	mg/L	2.03	0.45%
QC value within limits for Fe 273.955 Recovery = 90.98%								
Ca 315.887†	688749.8	577.8	mg/L	14.62	577.8	mg/L	14.62	2.53%
QC value within limits for Ca 315.887 Recovery = 96.31%								
Mg 279.077†	90981.8	284.1	mg/L	7.16	284.1	mg/L	7.16	2.52%
QC value within limits for Mg 279.077 Recovery = 94.71%								

All analytes passed QC.

Sequence No.: 2
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 12/2/04 8:47:56 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 12:01:18 PM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	570874.2	89.03	%	1.529				1.72%
Sc 361.383	1106820.6	86.37	%	0.795				0.92%
Ni 231.604†	70194.2	2.721	mg/L	0.0620	2.721	mg/L	0.0620	2.28%
QC value within limits for Ni 231.604 Recovery = 90.70%								
Co 228.616†	91055.2	2.768	mg/L	0.0658	2.768	mg/L	0.0658	2.38%
QC value within limits for Co 228.616 Recovery = 92.26%								
V 292.402†	308521.1	3.037	mg/L	0.0750	3.037	mg/L	0.0750	2.47%
QC value within limits for V 292.402 Recovery = 101.22%								
K 766.490†	7866.8	222.9	mg/L	4.52	222.9	mg/L	4.52	2.03%
QC value within limits for K 766.490 Recovery = 111.46%								
Na 330.237†	57539.5	111.7	mg/L	2.76	111.7	mg/L	2.76	2.47%
QC value within limits for Na 330.237 Recovery = 111.69%								
Al 308.215†	1243887.7	117.9	mg/L	2.72	117.9	mg/L	2.72	2.31%
QC value within limits for Al 308.215 Recovery = 98.22%								
Fe 273.955†	6883862.0	465.0	mg/L	2.84	465.0	mg/L	2.84	0.61%
QC value within limits for Fe 273.955 Recovery = 93.00%								
Ca 315.887†	707060.2	593.2	mg/L	18.98	593.2	mg/L	18.98	3.20%
QC value within limits for Ca 315.887 Recovery = 98.87%								
Mg 279.077†	93891.3	293.2	mg/L	9.81	293.2	mg/L	9.81	3.35%
QC value within limits for Mg 279.077 Recovery = 97.74%								

All analytes passed QC.

01669

STL Seattle Perkin-Elmer Elan 6100 ICP-MS
Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

(Dual Detector Mode)

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Be	9.012	Linear Thru Zero	0.00	0.00	0.999446
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
Cr	51.941	Linear Thru Zero	0.01	0.00	0.999717
Mn	54.938	Linear Thru Zero	0.02	0.00	0.999970
Cu	64.928	Linear Thru Zero	0.00	0.00	0.999867
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999895
As	74.922	Linear Thru Zero	0.00	0.00	0.999900
Se	81.917	Linear Thru Zero	0.00	0.00	0.999957
Ge	73.922	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.01	0.00	0.999573
Cd	110.904	Linear Thru Zero	0.00	0.00	0.999967
Sb	122.904	Linear Thru Zero	0.01	0.00	0.999871
Ba	136.905	Linear Thru Zero	0.00	0.00	0.999942
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Tl	202.972	Linear Thru Zero	0.01	0.00	0.999615
Pb	207.977	Linear Thru Zero	0.04	0.00	0.999884
Ho	164.930	Linear Thru Zero	0.00	0.00	0.000000

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Blank

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 10:09:59
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\Blank.005

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9		ug/L			13.3	25.0
⌊>	Sc	45		ug/L			1525581.7	3.3
⌈	Cr	52		ug/L			8025.6	3.4
|	Mn	55		ug/L			965.6	4.9
|	Cu	65		ug/L			78.9	24.8
|	Zn	68		ug/L			300.8	4.5
|	As	75		ug/L			246.9	25.3
|	Se	82		ug/L			185.6	28.5
⌊>	Ge	74		ug/L			1391638.2	1.2
⌈	Ag	107		ug/L			33.3	26.5
|	Cd	111		ug/L			-1.8	779.7
|	Sb	123		ug/L			38.3	57.1
|	Ba	137		ug/L			33.3	34.6
⌊>	Rh	103		ug/L			1473287.1	1.0
⌈	Tl	203		ug/L			164.4	20.3
|	Pb	208		ug/L			585.6	9.8
⌊>	Ho	165		ug/L			1397315.9	1.1

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 1

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 10:13:00
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\Standard 1.006

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**5.000**	ug/L	1.9	13.333	4894.2	1.8
⌊>	Sc	45		ug/L		1525581.690	1591089.8	0.1
⌈	Cr	52	**5.000**	ug/L	0.8	8025.617	82566.3	1.0
|	Mn	55	**5.000**	ug/L	0.5	965.588	128725.2	1.0
|	Cu	65	**5.000**	ug/L	3.6	78.889	25624.1	2.3
|	Zn	68	**5.000**	ug/L	3.0	300.848	13359.3	1.7
|	As	75	**5.000**	ug/L	2.0	246.874	16538.3	2.8
|	Se	82	**5.000**	ug/L	2.7	185.557	2019.0	1.4
⌊>	Ge	74		ug/L		1391638.249	1378988.0	1.3
⌈	Ag	107	**5.000**	ug/L	3.8	33.333	84325.0	3.0
|	Cd	111	**5.000**	ug/L	2.2	-1.778	19895.7	1.7
|	Sb	123	**5.000**	ug/L	1.4	38.304	48511.1	0.7
|	Ba	137	**5.000**	ug/L	2.0	33.333	31041.5	2.4
⌊>	Rh	103		ug/L		1473287.105	1460855.1	0.8
⌈	Tl	203	**5.000**	ug/L	1.9	164.445	80803.4	1.0
|	Pb	208	**5.000**	ug/L	1.4	585.560	273722.3	0.5
⌊>	Ho	165		ug/L		1397315.870	1394916.8	1.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 2

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 10:15:58
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\Standard 2.007

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**10.173**	ug/L	5.7	13.333	10573.9	4.2
⌊>	Sc	45		ug/L		1525581.690	1576189.0	1.6
⌈	Cr	52	**9.994**	ug/L	1.2	8025.617	160337.6	1.3
|	Mn	55	**9.915**	ug/L	1.2	965.588	251635.9	1.1
|	Cu	65	**9.709**	ug/L	0.8	78.889	45545.8	1.0
|	Zn	68	**9.821**	ug/L	0.8	300.848	24795.9	0.7
|	As	75	**9.997**	ug/L	0.3	246.874	33525.7	0.6
|	Se	82	**9.968**	ug/L	1.6	185.557	3882.7	1.4
⌊>	Ge	74		ug/L		1391638.249	1410470.9	0.3
⌈	Ag	107	**10.027**	ug/L	1.4	33.333	171331.3	0.7
|	Cd	111	**9.863**	ug/L	2.9	-1.778	37296.8	1.7
|	Sb	123	**9.995**	ug/L	1.2	38.304	96951.6	0.9
|	Ba	137	**9.983**	ug/L	2.6	33.333	61646.1	1.4
⌊>	Rh	103		ug/L		1473287.105	1464290.6	1.2
⌈	Tl	203	**10.010**	ug/L	2.9	164.445	164842.4	1.5
|	Pb	208	**9.939**	ug/L	2.7	585.560	538919.9	1.0
⌊>	Ho	165		ug/L		1397315.870	1417196.5	1.9

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 3

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 10:18:57
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\Standard 3.008

Results (ug / l)

Dual Detector Mode

Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Be	9	**24.858**	ug/L	2.5	13.333	25586.2	0.8
Sc	45		ug/L		1525581.690	1605831.1	1.7
Cr	52	**24.951**	ug/L	2.4	8025.617	390421.8	2.0
Mn	55	**24.869**	ug/L	2.5	965.588	623257.7	2.8
Cu	65	**24.829**	ug/L	0.3	78.889	114275.3	1.0
Zn	68	**24.611**	ug/L	5.1	300.848	58124.6	4.1
As	75	**24.933**	ug/L	2.7	246.874	83408.6	1.6
Se	82	**24.891**	ug/L	1.8	185.557	9362.0	1.1
Ge	74		ug/L		1391638.249	1432608.3	1.3
Ag	107	**24.916**	ug/L	2.0	33.333	428786.2	1.4
Cd	111	**24.928**	ug/L	2.4	-1.778	95175.3	1.4
Sb	123	**24.933**	ug/L	1.6	38.304	244351.2	1.1
Ba	137	**24.784**	ug/L	2.2	33.333	150223.7	1.9
Rh	103		ug/L		1473287.105	1499609.5	1.6
Tl	203	**24.988**	ug/L	1.0	164.445	413824.7	1.6
Pb	208	**24.910**	ug/L	2.4	585.560	1337109.3	1.3
Ho	165		ug/L		1397315.870	1429042.3	1.9

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 4

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 10:22:27
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\Standard 4.009

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**49.795**	ug/L	4.7	13.333	51489.3	2.6
I>	Sc	45		ug/L		1525581.690	1636336.4	2.1
	Cr	52	**50.018**	ug/L	2.4	8025.617	782843.3	2.2
	Mn	55	**49.627**	ug/L	3.0	965.588	1223992.0	1.5
	Cu	65	**50.547**	ug/L	3.4	78.889	243637.3	2.2
	Zn	68	**49.704**	ug/L	1.5	300.848	115961.5	1.8
	As	75	**50.323**	ug/L	2.1	246.874	173446.7	0.6
	Se	82	**50.283**	ug/L	2.1	185.557	19257.4	0.9
I>	Ge	74		ug/L		1391638.249	1446539.9	1.5
	Ag	107	**49.763**	ug/L	2.9	33.333	852418.9	1.1
	Cd	111	**50.078**	ug/L	1.3	-1.778	194404.6	1.1
	Sb	123	**50.199**	ug/L	2.2	38.304	504146.9	0.4
	Ba	137	**50.176**	ug/L	0.8	33.333	311231.0	1.6
I>	Rh	103		ug/L		1473287.105	1516728.8	2.0
	Tl	203	**50.099**	ug/L	2.3	164.445	822646.4	0.8
	Pb	208	**50.311**	ug/L	2.0	585.560	2716721.6	1.0
I>	Ho	165		ug/L		1397315.870	1408212.4	2.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 5

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 10:25:59
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\Standard 5.010

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**98.135**	ug/L	4.0	13.333	99963.0	1.9
⌊>	Sc	45		ug/L		1525581.690	1704553.5	2.1
⌈	Cr	52	**98.644**	ug/L	1.2	8025.617	1460477.2	0.5
!	Mn	55	**99.916**	ug/L	1.8	965.588	2433993.2	1.8
!	Cu	65	**99.381**	ug/L	2.2	78.889	465523.5	0.6
!	Zn	68	**99.457**	ug/L	1.2	300.848	225751.0	1.9
!	As	75	**99.272**	ug/L	1.2	246.874	331269.1	0.7
!	Se	82	**100.427**	ug/L	0.9	185.557	38411.6	1.6
⌊>	Ge	74		ug/L		1391638.249	1432731.1	1.7
⌈	Ag	107	**98.357**	ug/L	2.6	33.333	1624870.0	1.4
!	Cd	111	**99.583**	ug/L	2.5	-1.778	386632.3	1.1
!	Sb	123	**99.113**	ug/L	2.8	38.304	981546.2	1.1
!	Ba	137	**99.477**	ug/L	2.7	33.333	615023.1	1.1
⌊>	Rh	103		ug/L		1473287.105	1536557.1	1.7
⌈	Tl	203	**98.421**	ug/L	1.2	164.445	1580140.4	2.3
!	Pb	208	**99.206**	ug/L	2.8	585.560	5358909.6	1.2
⌊>	Ho	165		ug/L		1397315.870	1443363.5	1.9

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICV

Sample Description: 25 PPB CHECK SOLUTION
Sample Date/Time: Wednesday, December 01, 2004 10:30:59
Number of Replicates: 3
Batch ID: 12-01-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\MSICV.011

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**25.655**	ug/L	3.4	13.333	25045.3	2.8
▷	Sc	45		ug/L		1525581.690	1632341.4	1.4
	Cr	52	**26.041**	ug/L	4.6	8025.617	385801.6	1.7
	Mn	55	**26.267**	ug/L	2.2	965.588	631344.8	1.1
	Cu	65	**25.463**	ug/L	3.7	78.889	117587.5	0.9
	Zn	68	**25.643**	ug/L	2.3	300.848	57606.2	3.5
	As	75	**25.443**	ug/L	2.2	246.874	83865.6	1.5
	Se	82	**25.713**	ug/L	3.6	185.557	9835.6	4.4
▷	Ge	74		ug/L		1391638.249	1412396.5	2.8
	Ag	107	**25.710**	ug/L	1.6	33.333	419713.0	0.4
	Cd	111	**24.937**	ug/L	2.4	-1.778	95662.8	1.6
	Sb	123	**25.456**	ug/L	2.0	38.304	249142.8	1.2
	Ba	137	**25.190**	ug/L	1.3	33.333	153932.8	1.4
▷	Rh	103		ug/L		1473287.105	1518119.8	1.5
	Tl	203	**25.987**	ug/L	2.1	164.445	404401.0	1.9
	Pb	208	**25.865**	ug/L	0.6	585.560	1354621.2	0.5
▷	Ho	165		ug/L		1397315.870	1398678.8	0.3

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: ICB

Sample Description: BLANK
Sample Date/Time: Wednesday, December 01, 2004 10:39:01
Number of Replicates: 3
Batch ID: 12-01-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\ICB.012

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**-0.004**	ug/L	7.1	13.333	10.0	0.0
L>	Sc	45		ug/L		1525581.690	1592215.9	2.8
⌈	Cr	52	**-0.017**	ug/L	106.9	8025.617	7865.9	3.7
|	Mn	55	**0.001**	ug/L	176.9	965.588	1008.9	5.6
|	Cu	65	**0.004**	ug/L	51.3	78.889	98.9	10.3
|	Zn	68	**0.013**	ug/L	153.2	300.848	332.9	13.1
|	As	75	**0.022**	ug/L	122.9	246.874	319.9	26.8
|	Se	82	**-0.020**	ug/L	288.4	185.557	180.0	11.6
L>	Ge	74		ug/L		1391638.249	1405672.4	0.4
⌈	Ag	107	**0.005**	ug/L	11.5	33.333	121.1	6.9
|	Cd	111	**0.009**	ug/L	43.4	-1.778	31.8	46.2
|	Sb	123	**0.019**	ug/L	14.4	38.304	218.7	11.1
|	Ba	137	**0.003**	ug/L	28.3	33.333	51.1	10.0
L>	Rh	103		ug/L		1473287.105	1489676.7	1.3
⌈	Tl	203	**-0.001**	ug/L	109.9	164.445	144.4	16.2
	Pb	208	**-0.001**	ug/L	12.5	585.560	544.4	0.9
L>	Ho	165		ug/L		1397315.870	1421186.6	1.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 0.2 PPB (RL)

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 10:44:58
Number of Replicates: 3
Batch ID: 12-01-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\0.2 PPB (RL).014

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.183**	ug/L	13.7	13.333	183.3	11.4
↳	Sc	45		ug/L		1525581.690	1554600.8	1.4
⌈	Cr	52	**0.232**	ug/L	7.8	8025.617	11230.8	1.0
|	Mn	55	**0.218**	ug/L	3.8	965.588	6060.2	2.8
|	Cu	65	**0.223**	ug/L	2.5	78.889	1084.5	2.3
|	Zn	68	**0.273**	ug/L	12.6	300.848	892.9	9.1
|	As	75	**0.183**	ug/L	11.0	246.874	830.4	8.1
|	Se	82	**0.081**	ug/L	50.7	185.557	213.3	6.3
↳	Ge	74		ug/L		1391638.249	1377953.1	1.2
⌈	Ag	107	**0.224**	ug/L	2.9	33.333	3538.2	3.0
|	Cd	111	**0.208**	ug/L	3.5	-1.778	761.8	5.0
|	Sb	123	**0.226**	ug/L	4.9	38.304	2161.0	3.6
|	Ba	137	**0.218**	ug/L	4.9	33.333	1308.9	6.4
↳	Rh	103		ug/L		1473287.105	1455252.5	1.6
⌈	Tl	203	**0.213**	ug/L	1.7	164.445	3417.1	2.4
|	Pb	208	**0.214**	ug/L	4.7	585.560	11570.7	2.5
↳	Ho	165		ug/L		1397315.870	1372042.5	2.2

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 0.5 PPB (RL)

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 10:47:55
Number of Replicates: 3
Batch ID: 12-01-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\0.5 PPB (RL).015

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.533**	ug/L	4.2	13.333	518.9	5.8
↳	Sc	45		ug/L		1525581.690	1585592.1	1.7
⌈	Cr	52	**0.550**	ug/L	4.4	8025.617	15733.3	2.2
|	Mn	55	**0.568**	ug/L	5.7	965.588	14264.9	4.3
|	Cu	65	**0.529**	ug/L	2.7	78.889	2461.3	2.2
|	Zn	68	**0.563**	ug/L	4.1	300.848	1525.4	2.4
|	As	75	**0.502**	ug/L	8.5	246.874	1856.2	7.7
|	Se	82	**0.458**	ug/L	22.9	185.557	351.1	10.1
↳	Ge	74		ug/L		1391638.249	1377908.4	0.9
⌈	Ag	107	**0.523**	ug/L	4.8	33.333	8308.0	3.8
|	Cd	111	**0.518**	ug/L	5.2	-1.778	1924.8	4.2
|	Sb	123	**0.510**	ug/L	4.4	38.304	4876.5	2.8
|	Ba	137	**0.537**	ug/L	1.9	33.333	3212.6	0.4
↳	Rh	103		ug/L		1473287.105	1470845.4	1.6
⌈	Tl	203	**0.541**	ug/L	3.7	164.445	8399.1	1.1
|	Pb	208	**0.539**	ug/L	2.4	585.560	28254.2	1.1
↳	Ho	165		ug/L		1397315.870	1371124.6	2.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSA

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 10:53:51
Number of Replicates: 3
Batch ID: 12-01-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\MSICSA.017

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.007**	ug/L	122.6	13.333	21.1	39.7
L>	Sc	45		ug/L		1525581.690	1653608.3	1.3
	Cr	52	**0.904**	ug/L	4.5	8025.617	21189.2	3.2
	Mn	55	**4.470**	ug/L	2.2	965.588	107883.7	2.0
	Cu	65	**3.520**	ug/L	0.7	78.889	16274.8	1.5
	Zn	68	**3.988**	ug/L	0.9	300.848	9181.4	0.6
	As	75	**0.490**	ug/L	10.6	246.874	1854.2	8.9
	Se	82	**0.568**	ug/L	6.9	185.557	400.0	3.8
L>	Ge	74		ug/L		1391638.249	1407033.5	0.8
	Ag	107	**0.057**	ug/L	4.4	33.333	916.7	4.2
	Cd	111	**-0.343**	ug/L	60.7	-1.778	-1248.8	61.1
	Sb	123	**1.814**	ug/L	1.7	38.304	16844.9	2.0
	Ba	137	**0.389**	ug/L	6.6	33.333	2284.6	6.4
L>	Rh	103		ug/L		1473287.105	1436943.6	0.6
	Tl	203	**0.452**	ug/L	2.9	164.445	7017.3	3.8
	Pb	208	**0.700**	ug/L	2.0	585.560	36320.2	2.2
L>	Ho	165		ug/L		1397315.870	1363385.1	1.2

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSAB

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 10:56:50
Number of Replicates: 3
Batch ID: 12-01-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\MSICSAB.018

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.010**	ug/L	86.0	13.333	24.4	34.3
>	Sc	45		ug/L		1525581.690	1671898.4	1.7
	Cr	52	**20.872**	ug/L	0.7	8025.617	316815.5	0.9
	Mn	55	**25.449**	ug/L	2.9	965.588	623090.3	1.9
	Cu	65	**20.978**	ug/L	1.3	78.889	98732.2	0.3
	Zn	68	**19.846**	ug/L	1.6	300.848	45472.2	1.1
	As	75	**19.310**	ug/L	1.7	246.874	64906.0	2.1
	Se	82	**18.197**	ug/L	4.7	185.557	7142.9	3.6
>	Ge	74		ug/L		1391638.249	1438395.8	1.0
	Ag	107	**19.517**	ug/L	3.2	33.333	310205.3	0.8
	Cd	111	**9.700**	ug/L	3.7	-1.778	36231.3	2.4
	Sb	123	**1.912**	ug/L	0.5	38.304	18261.5	2.0
	Ba	137	**0.277**	ug/L	3.3	33.333	1684.5	3.5
>	Rh	103		ug/L		1473287.105	1478569.0	2.5
	Tl	203	**0.101**	ug/L	5.1	164.445	1724.5	4.4
	Pb	208	**0.694**	ug/L	1.7	585.560	36701.7	1.1
>	Ho	165		ug/L		1397315.870	1391416.3	1.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description: 50 PPB QC SOLUTION
Sample Date/Time: Wednesday, December 01, 2004 17:05:14
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\QC Std 3.067

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**48.974**	ug/L	6.3	13.333	47445.6	4.1
>	Sc	45		ug/L		1525581.690	1621470.4	2.2
	Cr	52	**52.119**	ug/L	0.9	8025.617	748683.7	1.3
	Mn	55	**52.493**	ug/L	1.1	965.588	1234775.4	0.4
	Cu	65	**48.623**	ug/L	1.8	78.889	219912.1	1.0
	Zn	68	**51.157**	ug/L	2.0	300.848	112220.1	1.6
	As	75	**50.111**	ug/L	1.3	246.874	161540.1	1.3
	Se	82	**49.335**	ug/L	2.3	185.557	18306.2	1.8
>	Ge	74		ug/L		1391638.249	1382892.5	0.8
	Ag	107	**51.965**	ug/L	2.1	33.333	790694.2	0.6
	Cd	111	**50.478**	ug/L	0.2	-1.778	180543.6	1.6
	Sb	123	**52.171**	ug/L	1.6	38.304	475931.1	0.6
	Ba	137	**52.674**	ug/L	0.5	33.333	300026.0	1.5
>	Rh	103		ug/L		1473287.105	1415154.5	1.6
	Tl	203	**53.935**	ug/L	1.1	164.445	876268.4	0.3
	Pb	208	**51.310**	ug/L	1.0	585.560	2805948.6	1.1
>	Ho	165		ug/L		1397315.870	1460606.5	1.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description: BLANK
Sample Date/Time: Wednesday, December 01, 2004 17:11:17
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\QC Std 4.068

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas Intens. RSD
	Be	9	**-0.003**	ug/L	234.7	13.333	11.1	62.4
>	Sc	45		ug/L		1525581.690	1582481.2	3.0
	Cr	52	**0.008**	ug/L	622.0	8025.617	7745.8	8.4
	Mn	55	**0.066**	ug/L	65.1	965.588	2400.2	39.7
	Cu	65	**0.037**	ug/L	3.1	78.889	235.6	2.2
	Zn	68	**0.292**	ug/L	11.7	300.848	898.4	8.4
	As	75	**-0.040**	ug/L	78.3	246.874	110.8	87.8
	Se	82	**-0.154**	ug/L	11.0	185.557	122.2	4.2
>	Ge	74		ug/L		1391638.249	1324270.7	0.8
	Ag	107	**0.009**	ug/L	15.9	33.333	174.4	14.1
	Cd	111	**0.004**	ug/L	103.3	-1.778	14.0	116.4
	Sb	123	**0.034**	ug/L	14.5	38.304	344.1	13.0
	Ba	137	**0.007**	ug/L	11.2	33.333	68.9	7.4
>	Rh	103		ug/L		1473287.105	1397256.5	1.4
	Tl	203	**0.015**	ug/L	17.1	164.445	412.2	10.3
	Pb	208	**0.011**	ug/L	4.6	585.560	1197.8	2.1
>	Ho	165		ug/L		1397315.870	1430681.1	0.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MB

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 17:14:20
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\MB.069

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**-0.007**	ug/L	29.3	13.333	7.8	24.7
>	Sc	45		ug/L		1525581.690	1609637.4	2.0
	Cr	52	**0.090**	ug/L	35.3	8025.617	9339.0	4.0
	Mn	55	**0.530**	ug/L	1.7	965.588	13537.5	2.6
	Cu	65	**0.166**	ug/L	6.9	78.889	836.7	3.5
	Zn	68	**0.926**	ug/L	5.0	300.848	2346.1	4.1
	As	75	**-0.037**	ug/L	279.4	246.874	132.8	252.4
	Se	82	**-0.161**	ug/L	23.8	185.557	126.7	13.7
>	Ge	74		ug/L		1391638.249	1396135.9	2.7
	Ag	107	**0.006**	ug/L	33.0	33.333	126.7	23.4
	Cd	111	**0.010**	ug/L	35.9	-1.778	33.1	36.6
	Sb	123	**0.024**	ug/L	5.1	38.304	258.2	2.8
	Ba	137	**0.059**	ug/L	14.2	33.333	371.1	14.6
>	Rh	103		ug/L		1473287.105	1432806.5	1.7
	Tl	203	**0.013**	ug/L	31.0	164.445	382.2	17.3
	Pb	208	**0.075**	ug/L	7.4	585.560	4701.4	5.9
>	Ho	165		ug/L		1397315.870	1463278.2	0.5

MB

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-15 (25X)

Sample Description: 25X
Sample Date/Time: Wednesday, December 01, 2004 17:17:21
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-15 (25X).070

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.015**	ug/L	59.9	13.333	30.0	29.4
>	Sc	45		ug/L		1525581.690	1718510.6	2.7
	Cr	52	**6.091**	ug/L	0.5	8025.617	94864.1	2.2
	Mn	55	**62.062**	ug/L	1.5	965.588	1465095.0	3.4
	Cu	65	**11.027**	ug/L	1.3	78.889	50117.8	3.1
	Zn	68	**30.373**	ug/L	0.9	300.848	66975.3	1.0
	As	75	**2.047**	ug/L	0.6	246.874	6857.5	2.1
	Se	82	**0.008**	ug/L	718.2	185.557	187.8	9.8
>	Ge	74		ug/L		1391638.249	1387668.6	1.9
	Ag	107	**0.021**	ug/L	11.7	33.333	358.9	7.6
	Cd	111	**0.050**	ug/L	10.9	-1.778	180.9	9.2
	Sb	123	**0.441**	ug/L	5.9	38.304	4156.3	2.7
	Ba	137	**7.619**	ug/L	2.6	33.333	44540.6	5.7
>	Rh	103		ug/L		1473287.105	1450784.4	3.1
	Tl	203	**0.014**	ug/L	25.4	164.445	406.7	16.8
	Pb	208	**1259.912**	ug/L	1.7	585.560	70374900.4	2.1
>	Ho	165		ug/L		1397315.870	1492750.7	3.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-15

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 17:20:22
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-15.071

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.112**	ug/L	5.6	13.333	134.4	5.2
⌊>	Sc	45		ug/L		1525581.690	1771373.6	0.4
⌈	Cr	52	**30.732**	ug/L	2.2	8025.617	439049.6	2.6
|	Mn	55	**318.382**	ug/L	1.1	965.588	7388825.5	1.1
|	Cu	65	**52.309**	ug/L	2.3	78.889	233566.8	2.4
|	Zn	68	**137.581**	ug/L	0.5	300.848	297465.4	1.2
|	As	75	**9.483**	ug/L	1.4	246.874	30379.4	2.5
|	Se	82	**0.120**	ug/L	62.6	185.557	225.6	12.6
⌊>	Ge	74		ug/L		1391638.249	1365210.1	1.0
⌈	Ag	107	**0.109**	ug/L	2.5	33.333	1652.3	1.6
|	Cd	111	**0.107**	ug/L	18.9	-1.778	371.2	17.9
|	Sb	123	**2.121**	ug/L	3.5	38.304	18977.4	1.5
|	Ba	137	**39.899**	ug/L	2.0	33.333	222488.1	0.6
⌊>	Rh	103		ug/L		1473287.105	1385713.8	2.1
⌈	Tl	203	**0.055**	ug/L	5.9	164.445	1116.7	4.2
|	Pb	208	**6218.634**	ug/L	1.6	585.560	356338776.0	0.7
⌊>	Ho	165		ug/L		1397315.870	1531035.5	1.9

Sample

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-15D

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 17:23:24
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-15D.072

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.118**	ug/L	10.8	13.333	132.2	10.5
L>	Sc	45		ug/L		1525581.690	1661800.9	1.0
⌈	Cr	52	**31.056**	ug/L	1.0	8025.617	413748.9	0.6
!	Mn	55	**324.930**	ug/L	1.3	965.588	7033828.5	0.9
!	Cu	65	**52.835**	ug/L	2.3	78.889	220050.1	2.0
!	Zn	68	**140.035**	ug/L	1.6	300.848	282409.0	1.6
!	As	75	**9.239**	ug/L	2.6	246.874	27608.2	2.2
!	Se	82	**0.070**	ug/L	17.7	185.557	193.3	1.7
L>	Ge	74		ug/L		1391638.249	1273429.0	0.5
⌈	Ag	107	**0.112**	ug/L	3.1	33.333	1605.6	3.0
!	Cd	111	**0.114**	ug/L	16.6	-1.778	374.7	16.7
!	Sb	123	**2.146**	ug/L	0.4	38.304	18088.1	0.2
!	Ba	137	**40.012**	ug/L	0.5	33.333	210214.3	0.6
L>	Rh	103		ug/L		1473287.105	1305225.0	0.2
⌈	Tl	203	**0.048**	ug/L	2.1	164.445	935.6	2.4
	Pb	208	**6339.393**	ug/L	1.5	585.560	343129452.2	0.1
L>	Ho	165		ug/L		1397315.870	1446139.0	1.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-15DD

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 17:26:22
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-15DD.073

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.136**	ug/L	9.8	13.333	163.3	11.4
⌊>	Sc	45		ug/L		1525581.690	1812706.1	4.2
⌈	Cr	52	**26.206**	ug/L	0.3	8025.617	367138.6	1.1
|	Mn	55	**301.387**	ug/L	1.2	965.588	6837774.7	0.7
|	Cu	65	**46.164**	ug/L	2.2	78.889	201526.4	2.3
|	Zn	68	**145.778**	ug/L	1.1	300.848	308108.0	1.0
|	As	75	**6.350**	ug/L	1.1	246.874	19963.3	1.9
|	Se	82	**0.113**	ug/L	91.9	185.557	217.8	15.6
⌊>	Ge	74		ug/L		1391638.249	1334688.4	1.2
⌈	Ag	107	**0.106**	ug/L	4.1	33.333	1615.6	4.1
|	Cd	111	**-0.012**	ug/L	239.3	-1.778	-42.9	230.7
|	Sb	123	**1.378**	ug/L	2.5	38.304	12389.1	2.9
|	Ba	137	**41.639**	ug/L	2.2	33.333	233077.3	1.3
⌊>	Rh	103		ug/L		1473287.105	1390912.1	1.7
⌈	Tl	203	**0.044**	ug/L	11.6	164.445	913.4	9.3
|	Pb	208	**5393.195**	ug/L	3.8	585.560	305395108.7	0.5
⌊>	Ho	165		ug/L		1397315.870	1514006.6	3.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-15S

Sample Description: 50X
Sample Date/Time: Wednesday, December 01, 2004 17:29:17
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-15S.074

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**1.647**	ug/L	1.0	13.333	1662.3	0.8
>	Sc	45		ug/L		1525581.690	1673692.9	1.1
	Cr	52	**10.892**	ug/L	1.1	8025.617	156951.3	0.6
	Mn	55	**49.179**	ug/L	1.8	965.588	1115560.8	1.6
	Cu	65	**14.161**	ug/L	2.6	78.889	61813.5	2.4
	Zn	68	**35.977**	ug/L	1.6	300.848	76186.6	1.0
	As	75	**76.015**	ug/L	1.7	246.874	236158.4	1.2
	Se	82	**74.193**	ug/L	2.5	185.557	26456.7	1.9
>	Ge	74		ug/L		1391638.249	1333483.8	0.6
	Ag	107	**11.930**	ug/L	1.2	33.333	179048.4	0.4
	Cd	111	**2.054**	ug/L	4.1	-1.778	7241.3	3.5
	Sb	123	**58.118**	ug/L	2.5	38.304	522809.1	1.7
	Ba	137	**83.309**	ug/L	1.6	33.333	467888.7	1.5
>	Rh	103		ug/L		1473287.105	1395446.7	0.8
	Tl	203	**81.020**	ug/L	0.9	164.445	1284257.5	0.1
	Pb	208	**523.641**	ug/L	0.3	585.560	27934861.6	0.7
>	Ho	165		ug/L		1397315.870	1425105.9	1.0

Spike

01690

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-15SD

Sample Description: 50X
Sample Date/Time: Wednesday, December 01, 2004 17:32:13
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-15SD.075

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**1.697**	ug/L	7.4	13.333	1683.4	7.4
>	Sc	45		ug/L		1525581.690	1645088.7	0.7
	Cr	52	**11.199**	ug/L	1.4	8025.617	159164.1	0.2
	Mn	55	**50.775**	ug/L	2.6	965.588	1137416.4	1.7
	Cu	65	**13.760**	ug/L	0.9	78.889	59331.9	1.3
	Zn	68	**36.253**	ug/L	1.8	300.848	75819.5	0.7
	As	75	**77.605**	ug/L	0.4	246.874	238141.1	1.2
	Se	82	**77.605**	ug/L	3.9	185.557	27321.7	3.1
>	Ge	74		ug/L		1391638.249	1317082.0	1.2
	Ag	107	**12.043**	ug/L	0.5	33.333	178400.4	0.8
	Cd	111	**2.102**	ug/L	2.5	-1.778	7313.6	1.7
	Sb	123	**59.115**	ug/L	1.6	38.304	524878.4	0.7
	Ba	137	**86.163**	ug/L	1.7	33.333	477591.1	0.7
>	Rh	103		ug/L		1473287.105	1377304.8	1.0
	Tl	203	**82.484**	ug/L	2.8	164.445	1326273.7	2.1
	Pb	208	**619.791**	ug/L	0.7	585.560	33542179.3	0.2
>	Ho	165		ug/L		1397315.870	1445742.2	0.8

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-15PS

Sample Description: 50X
Sample Date/Time: Wednesday, December 01, 2004 17:35:49
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-15PS.076

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens RSD
	Be	9	**1.652**	ug/L	3.1	13.333	1592.3	1.9
I>	Sc	45		ug/L		1525581.690	1598900.0	1.3
	Cr	52	**11.188**	ug/L	1.3	8025.617	159316.3	0.3
	Mn	55	**49.292**	ug/L	2.7	965.588	1106367.6	2.1
	Cu	65	**14.380**	ug/L	1.8	78.889	62111.4	0.7
	Zn	68	**36.826**	ug/L	3.1	300.848	77151.2	1.7
	As	75	**78.179**	ug/L	1.4	246.874	240342.2	0.6
	Se	82	**74.794**	ug/L	2.9	185.557	26388.8	1.6
I>	Ge	74		ug/L		1391638.249	1319633.5	1.3
	Ag	107	**12.472**	ug/L	0.2	33.333	179964.2	0.3
	Cd	111	**2.042**	ug/L	1.4	-1.778	6922.5	0.9
	Sb	123	**60.476**	ug/L	0.6	38.304	523064.8	0.9
	Ba	137	**85.173**	ug/L	1.3	33.333	459885.0	1.5
I>	Rh	103		ug/L		1473287.105	1341506.9	0.5
	Tl	203	**82.581**	ug/L	3.2	164 445	1276728.0	2 0
	Pb	208	**521.445**	ug/L	0.0	585.560	27138391.3	1.3
I>	Ho	165		ug/L		1397315.870	1390279.7	1.3

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BS

Sample Description: 50X
Sample Date/Time: Wednesday, December 01, 2004 17:38:45
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\BS.077

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**1.677**	ug/L	1.0	13.333	1631.2	0.8
⌊>	Sc	45		ug/L		1525581.690	1613063.8	0.2
⌈	Cr	52	**7.744**	ug/L	2.5	8025.617	116267.5	1.1
|	Mn	55	**20.393**	ug/L	3.1	965.588	473139.4	2.0
|	Cu	65	**9.309**	ug/L	2.5	78.889	41539.2	0.8
|	Zn	68	**19.900**	ug/L	0.7	300.848	43197.5	2.1
|	As	75	**74.720**	ug/L	1.0	246.874	237211.2	1.3
|	Se	82	**73.995**	ug/L	3.1	185.557	26957.6	1.7
⌊>	Ge	74		ug/L		1391638.249	1362634.5	1.7
⌈	Ag	107	**11.770**	ug/L	3.0	33.333	176276.6	1.4
|	Cd	111	**1.955**	ug/L	2.7	-1.778	6880.4	1.8
|	Sb	123	**52.990**	ug/L	5.9	38.304	475590.5	4.5
|	Ba	137	**77.357**	ug/L	1.8	33.333	433578.1	0.5
⌊>	Rh	103		ug/L		1473287.105	1392804.7	1.6
⌈	Tl	203	**81.247**	ug/L	1.3	164.445	1259362.3	0.7
|	Pb	208	**20.702**	ug/L	0.5	585.560	1080554.9	1.1
⌊>	Ho	165		ug/L		1397315.870	1393587.7	0.6

BS

01693

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BSD

Sample Description: 50X
Sample Date/Time: Wednesday, December 01, 2004 17:41:42
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\BSD.078

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**1.645**	ug/L	11.1	13.333	1575.6	10.0
⌊>	Sc	45		ug/L		1525581.690	1589537.6	1.0
⌈	Cr	52	**8.091**	ug/L	3.0	8025.617	119972.4	1.8
|	Mn	55	**20.435**	ug/L	1.4	965.588	469677.2	0.5
|	Cu	65	**9.302**	ug/L	2.3	78.889	41118.0	1.0
|	Zn	68	**20.608**	ug/L	1.4	300.848	44293.8	1.3
|	As	75	**74.785**	ug/L	2.2	246.874	235137.8	1.5
|	Se	82	**72.929**	ug/L	2.1	185.557	26322.0	0.9
⌊>	Ge	74		ug/L		1391638.249	1349641.6	1.3
⌈	Ag	107	**12.244**	ug/L	3.2	33.333	179987.1	2.2
|	Cd	111	**1.966**	ug/L	2.6	-1.778	6791.3	3.3
|	Sb	123	**53.909**	ug/L	1.7	38.304	475188.1	2.6
|	Ba	137	**78.207**	ug/L	0.6	33.333	430308.4	1.0
⌊>	Rh	103		ug/L		1473287.105	1367048.6	1.1
⌈	Tl	203	**80.918**	ug/L	3.2	164.445	1283610.7	1.3
|	Pb	208	**20.046**	ug/L	2.8	585.560	1070800.5	0.7
⌊>	Ho	165		ug/L		1397315.870	1426735.8	2.1

BSD

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 17:44:42
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\QC Std 3.079

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**53.445**	ug/L	2.5	13.333	52028.2	3.7
>	Sc	45		ug/L		1525581.690	1627582.2	1.1
	Cr	52	**53.098**	ug/L	0.9	8025.617	735775.3	1.1
	Mn	55	**53.433**	ug/L	1.4	965.588	1212711.9	1.2
	Cu	65	**50.542**	ug/L	2.0	78.889	220545.1	1.1
	Zn	68	**52.375**	ug/L	1.4	300.848	110857.7	1.9
	As	75	**50.874**	ug/L	0.8	246.874	158235.3	1.3
	Se	82	**50.257**	ug/L	1.9	185.557	17990.2	1.4
>	Ge	74		ug/L		1391638.249	1334292.6	0.9
	Ag	107	**53.020**	ug/L	2.6	33.333	790772.6	1.6
	Cd	111	**51.524**	ug/L	0.8	-1.778	180617.3	0.5
	Sb	123	**53.880**	ug/L	1.3	38.304	481825.7	1.3
	Ba	137	**51.898**	ug/L	1.2	33.333	289732.0	0.8
>	Rh	103		ug/L		1473287.105	1387067.1	1.0
	Tl	203	**54.135**	ug/L	3.4	164.445	843673.2	2.0
	Pb	208	**53.501**	ug/L	2.5	585.560	2806696.9	1.2
>	Ho	165		ug/L		1397315.870	1401442.5	1.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 17:50:45
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\QC Std 4.080

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**-0.006**	ug/L	36.2	13.333	7.8	24.7
>	Sc	45		ug/L		1525581.690	1571242.6	2.4
	Cr	52	**-0.052**	ug/L	29.6	8025.617	6952.9	3.3
	Mn	55	**0.046**	ug/L	5.7	965.588	1954.6	3.5
	Cu	65	**0.596**	ug/L	4.2	78.889	2665.8	4.1
	Zn	68	**0.617**	ug/L	0.2	300.848	1585.2	0.4
	As	75	**-0.009**	ug/L	331.3	246.874	209.4	42.4
	Se	82	**-0.130**	ug/L	15.4	185.557	131.1	5.3
>	Ge	74		ug/L		1391638.249	1328779.2	0.6
	Ag	107	**0.010**	ug/L	21.2	33.333	180.0	18.2
	Cd	111	**0.010**	ug/L	19.7	-1.778	32.2	19.7
	Sb	123	**0.206**	ug/L	5.6	38.304	1866.6	5.5
	Ba	137	**0.005**	ug/L	39.3	33.333	58.9	18.2
>	Rh	103		ug/L		1473287.105	1378661.0	1.0
	Tl	203	**0.015**	ug/L	12.2	164.445	402.2	8.0
	Pb	208	**0.044**	ug/L	4.8	585.560	2871.2	3.3
>	Ho	165		ug/L		1397315.870	1398266.8	0.8

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-8

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 17:53:15
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-8.081

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.670**	ug/L	4.5	13.333	914.5	3.3
⌊>	Sc	45		ug/L		1525581.690	2234644.3	1.4
⌈	Cr	52	**61.206**	ug/L	1.2	8025.617	835777.9	1.6
|	Mn	55	**633.808**	ug/L	0.6	965.588	14185342.2	0.7
|	Cu	65	**110.053**	ug/L	1.1	78.889	473909.5	2.3
|	Zn	68	**96.966**	ug/L	0.6	300.848	202291.0	1.6
|	As	75	**3.972**	ug/L	3.8	246.874	12402.2	2.5
|	Se	82	**0.518**	ug/L	11.3	185.557	356.7	6.1
⌊>	Ge	74		ug/L		1391638.249	1316700.8	1.2
⌈	Ag	107	**0.190**	ug/L	6.1	33.333	2864.7	5.9
|	Cd	111	**-0.706**	ug/L	10.1	-1.778	-2468.5	8.9
|	Sb	123	**0.856**	ug/L	5.0	38.304	7668.6	3.4
|	Ba	137	**183.867**	ug/L	1.9	33.333	1023988.0	2.2
⌊>	Rh	103		ug/L		1473287.105	1384135.2	3.1
⌈	Tl	203	**0.284**	ug/L	8.5	164.445	4966.4	9.1
|	Pb	208	**33.244**	ug/L	0.7	585.560	1885575.4	1.0
⌊>	Ho	165		ug/L		1397315.870	1514683.9	1.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-10

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 17:56:13
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-10.082

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.697**	ug/L	3.9	13.333	806.7	3.7
>	Sc	45		ug/L		1525581.690	1896027.3	0.5
	Cr	52	**33.919**	ug/L	0.6	8025.617	471780.6	1.0
	Mn	55	**510.652**	ug/L	2.6	965.588	11555823.7	1.9
	Cu	65	**64.746**	ug/L	0.9	78.889	281922.5	0.5
	Zn	68	**95.060**	ug/L	2.3	300.848	200501.8	1.2
	As	75	**8.033**	ug/L	2.8	246.874	25135.7	3.6
	Se	82	**0.337**	ug/L	31.3	185.557	296.7	13.0
>	Ge	74		ug/L		1391638.249	1331444.1	1.1
	Ag	107	**0.237**	ug/L	5.5	33.333	3422.6	4.3
	Cd	111	**-0.890**	ug/L	2.3	-1.778	-2994.6	1.4
	Sb	123	**0.513**	ug/L	3.3	38.304	4434.8	2.1
	Ba	137	**176.467**	ug/L	1.2	33.333	944757.1	0.9
>	Rh	103		ug/L		1473287.105	1330294.4	1.2
	Tl	203	**0.202**	ug/L	3.3	164.445	3523.8	4.1
	Pb	208	**15.126**	ug/L	1.2	585.560	844391.3	1.0
>	Ho	165		ug/L		1397315.870	1490228.3	1.2

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-12

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 17:59:11
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-12.083

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.658**	ug/L	10.7	13.333	792.2	9.3
⌊>	Sc	45		ug/L		1525581.690	1972851.6	1.4
⌈	Cr	52	**38.951**	ug/L	3.4	8025.617	531523.0	3.6
|	Mn	55	**1163.097**	ug/L	0.6	965.588	25878783.8	0.9
|	Cu	65	**102.780**	ug/L	1.4	78.889	439960.9	1.6
|	Zn	68	**169.295**	ug/L	1.6	300.848	350893.3	1.8
|	As	75	**9.322**	ug/L	2.1	246.874	28634.9	2.0
|	Se	82	**0.511**	ug/L	17.9	185.557	352.2	9.3
⌊>	Ge	74		ug/L		1391638.249	1308945.1	0.3
⌈	Ag	107	**0.241**	ug/L	1.9	33.333	3571.6	1.2
|	Cd	111	**-0.621**	ug/L	5.6	-1.778	-2145.4	5.0
|	Sb	123	**0.613**	ug/L	2.0	38.304	5437.9	2.6
|	Ba	137	**216.029**	ug/L	1.3	33.333	1188523.9	0.6
⌊>	Rh	103		ug/L		1473287.105	1367046.8	0.6
⌈	Tl	203	**0.240**	ug/L	5.3	164.445	4198.4	3.9
|	Pb	208	**200.310**	ug/L	1.8	585.560	11288241.4	1.4
⌊>	Ho	165		ug/L		1397315.870	1505515.4	1.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-13

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 18:02:10
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-13.084

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.521**	ug/L	7.5	13.333	598.9	8.7
⌊>	Sc	45		ug/L		1525581.690	1869007.5	1.7
⌈	Cr	52	**35.908**	ug/L	0.2	8025.617	494305.5	0.9
|	Mn	55	**989.462**	ug/L	1.9	965.588	22181814.7	1.7
|	Cu	65	**81.989**	ug/L	0.5	78.889	353638.3	0.9
|	Zn	68	**172.264**	ug/L	1.1	300.848	359724.9	0.3
|	As	75	**7.917**	ug/L	2.2	246.874	24534.3	1.5
|	Se	82	**0.545**	ug/L	25.5	185.557	366.7	12.7
⌊>	Ge	74		ug/L		1391638.249	1318895.5	0.8
⌈	Ag	107	**0.235**	ug/L	4.8	33.333	3450.4	4.6
	Cd	111	**-0.500**	ug/L	22.8	-1.778	-1709.6	22.4
	Sb	123	**0.613**	ug/L	3.2	38.304	5379.8	2.8
|	Ba	137	**173.033**	ug/L	0.9	33.333	942429.1	0.3
⌊>	Rh	103		ug/L		1473287.105	1353308.8	0.6
⌈	Tl	203	**0.210**	ug/L	3.2	164.445	3606.0	3.6
|	Pb	208	**293.328**	ug/L	0.9	585.560	16141836.9	0.5
⌊>	Ho	165		ug/L		1397315.870	1470047.9	0.6

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-14

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 18:05:09
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-14.085

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.521**	ug/L	6.3	13.333	622.2	7.4
▷	Sc	45		ug/L		1525581.690	1944063.9	2.1
	Cr	52	**12.402**	ug/L	2.3	8025.617	176297.9	1.2
	Mn	55	**918.946**	ug/L	1.0	965.588	20675184.3	1.7
	Cu	65	**42.768**	ug/L	1.8	78.889	185159.2	2.1
	Zn	68	**206.821**	ug/L	1.6	300.848	433366.1	1.6
	As	75	**1.875**	ug/L	4.4	246.874	6009.0	3.3
	Se	82	**0.579**	ug/L	12.5	185.557	380.0	6.3
▷	Ge	74		ug/L		1391638.249	1323546.2	0.9
	Ag	107	**0.241**	ug/L	9.3	33.333	3616.0	8.4
	Cd	111	**-0.449**	ug/L	12.2	-1.778	-1573.7	11.7
	Sb	123	**0.329**	ug/L	2.5	38.304	2974.1	2.0
	Ba	137	**128.478**	ug/L	1.1	33.333	716809.7	1.6
▷	Rh	103		ug/L		1473287.105	1386186.9	1.0
	Tl	203	**0.203**	ug/L	4.6	164.445	3548.2	4.9
	Pb	208	**92.797**	ug/L	0.6	585.560	5176653.3	0.5
▷	Ho	165		ug/L		1397315.870	1490105.3	1.1

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-16

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 18:08:09
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-16.086

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.134**	ug/L	21.3	13.333	150.0	18.2
▷	Sc	45		ug/L		1525581.690	1693435.5	1.3
	Cr	52	**547.843**	ug/L	0.3	8025.617	7473585.8	2.1
	Mn	55	**600.629**	ug/L	1.3	965.588	13538327.9	2.0
	Cu	65	**124.481**	ug/L	0.2	78.889	539788.9	1.8
	Zn	68	**309.618**	ug/L	1.5	300.848	649752.1	0.5
	As	75	**5.077**	ug/L	1.1	246.874	15908.4	3.0
	Se	82	**0.176**	ug/L	47.9	185.557	238.9	13.3
▷	Ge	74		ug/L		1391638.249	1326075.4	2.0
	Ag	107	**0.220**	ug/L	3.8	33.333	3271.5	4.7
	Cd	111	**1.819**	ug/L	2.3	-1.778	6297.7	1.5
	Sb	123	**1.934**	ug/L	1.3	38.304	17118.7	0.5
	Ba	137	**53.665**	ug/L	0.6	33.333	295983.7	0.5
▷	Rh	103		ug/L		1473287.105	1370321.1	0.9
	Tl	203	**0.044**	ug/L	4.2	164.445	898.9	3.3
	Pb	208	**621.677**	ug/L	1.6	585.560	34240409.6	1.6
▷	Ho	165		ug/L		1397315.870	1471339.6	1.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-17

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 18:11:10
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125059-17.087

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.184**	ug/L	10.0	13.333	210.0	13.8
⌊>	Sc	45		ug/L		1525581.690	1759823.4	4.7
⌈	Cr	52	**645.750**	ug/L	1.9	8025.617	8472815.2	2.3
|	Mn	55	**812.849**	ug/L	1.3	965.588	17626144.3	2.0
|	Cu	65	**154.045**	ug/L	1.3	78.889	642559.4	1.5
|	Zn	68	**428.467**	ug/L	0.9	300.848	865069.8	1.9
|	As	75	**6.818**	ug/L	0.8	246.874	20470.1	1.8
|	Se	82	**0.328**	ug/L	19.2	185.557	281.1	6.5
⌊>	Ge	74		ug/L		1391638.249	1275630.6	1.1
⌈	Ag	107	**0.152**	ug/L	3.2	33.333	2251.3	1.5
|	Cd	111	**2.333**	ug/L	2.5	-1.778	7993.4	1.5
|	Sb	123	**2.287**	ug/L	2.7	38.304	20029.3	3.1
|	Ba	137	**106.492**	ug/L	0.5	33.333	581196.7	2.1
⌊>	Rh	103		ug/L		1473287.105	1355956.5	1.8
⌈	Tl	203	**0.073**	ug/L	1.7	164.445	1347.8	1.9
|	Pb	208	**996.466**	ug/L	1.0	585.560	54055178.1	2.0
⌊>	Ho	165		ug/L		1397315.870	1449076.2	1.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 18:14:11
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\QC Std 3.088

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**47.238**	ug/L	2.4	13.333	47646.2	2.8
⌊>	Sc	45		ug/L		1525581.690	1686614.6	1.4
⌈	Cr	52	**52.138**	ug/L	1.0	8025.617	736701.1	1.3
|	Mn	55	**53.700**	ug/L	0.7	965.588	1242514.1	0.4
|	Cu	65	**49.432**	ug/L	2.3	78.889	219926.0	2.2
|	Zn	68	**52.556**	ug/L	1.1	300.848	113396.7	0.6
|	As	75	**50.023**	ug/L	0.8	246.874	158622.8	0.9
|	Se	82	**50.130**	ug/L	0.5	185.557	18296.2	1.1
⌊>	Ge	74		ug/L		1391638.249	1360267.9	0.5
⌈	Ag	107	**51.796**	ug/L	1.6	33.333	783417.1	1.1
|	Cd	111	**51.603**	ug/L	0.4	-1.778	183432.6	0.3
|	Sb	123	**51.043**	ug/L	2.1	38.304	462824.8	1.6
|	Ba	137	**53.059**	ug/L	0.2	33.333	300370.6	0.6
⌊>	Rh	103		ug/L		1473287.105	1406470.7	0.5
⌈	Tl	203	**53.025**	ug/L	2.3	164.445	866094.4	1.7
|	Pb	208	**52.124**	ug/L	1.6	585.560	2865738.8	1.1
⌊>	Ho	165		ug/L		1397315.870	1468467.5	0.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 18:20:14
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\QC Std 4.089

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.001**	ug/L	1510.9	13.333	14.4	74.2
⌊>	Sc	45		ug/L		1525581.690	1576359.1	0.7
⌈	Cr	52	**-0.066**	ug/L	21.8	8025.617	6853.6	2.0
|	Mn	55	**0.062**	ug/L	13.9	965.588	2362.4	7.6
|	Cu	65	**0.605**	ug/L	1.7	78.889	2743.6	0.7
|	Zn	68	**0.599**	ug/L	1.1	300.848	1568.5	0.4
|	As	75	**-0.015**	ug/L	455.5	246.874	194.8	107.0
|	Se	82	**-0.130**	ug/L	97.0	185.557	133.3	34.7
⌊>	Ge	74		ug/L		1391638.249	1347962.5	0.9
⌈	Ag	107	**0.011**	ug/L	17.8	33.333	196.7	15.3
|	Cd	111	**0.008**	ug/L	38.7	-1.778	25.6	40.5
|	Sb	123	**0.058**	ug/L	9.9	38.304	555.7	7.9
|	Ba	137	**0.006**	ug/L	28.0	33.333	63.3	13.9
⌊>	Rh	103		ug/L		1473287.105	1388418.8	1.3
⌈	Tl	203	**0.005**	ug/L	35.5	164.445	240.0	8.4
|	Pb	208	**0.040**	ug/L	5.7	585.560	2666.8	3.6
⌊>	Ho	165		ug/L		1397315.870	1399372.0	3.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-3

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 18:22:46
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125060-3.090

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.491**	ug/L	4.4	13.333	565.6	3.5
>	Sc	45		ug/L		1525581.690	1873124.4	1.1
	Cr	52	**36.823**	ug/L	1.8	8025.617	515157.4	1.0
	Mn	55	**695.696**	ug/L	2.9	965.588	15854381.8	1.0
	Cu	65	**62.564**	ug/L	1.1	78.889	274463.0	3.0
	Zn	68	**175.030**	ug/L	2.6	300.848	371558.3	0.3
	As	75	**7.762**	ug/L	1.3	246.874	24471.5	2.7
	Se	82	**0.354**	ug/L	22.9	185.557	304.4	7.1
>	Ge	74		ug/L		1391638.249	1341303.8	2.6
	Ag	107	**0.222**	ug/L	0.7	33.333	3264.8	1.5
	Cd	111	**-0.490**	ug/L	6.9	-1.778	-1676.9	6.5
	Sb	123	**0.889**	ug/L	0.2	38.304	7790.4	1.3
	Ba	137	**173.530**	ug/L	1.6	33.333	944822.2	0.5
>	Rh	103		ug/L		1473287.105	1352976.0	1.1
	Tl	203	**0.186**	ug/L	6.2	164.445	3235.9	4.3
	Pb	208	**714.241**	ug/L	2.3	585.560	39563512.4	0.4
>	Ho	165		ug/L		1397315.870	1480138.5	1.9

01706

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-4

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 18:25:47
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125060-4.091

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.255**	ug/L	17.7	13.333	292.2	15.1
>	Sc	45		ug/L		1525581.690	1815526.9	2.1
	Cr	52	**10.244**	ug/L	1.0	8025.617	149078.2	1.3
	Mn	55	**585.697**	ug/L	0.7	965.588	13365703.3	0.7
	Cu	65	**32.534**	ug/L	1.3	78.889	142879.9	1.1
	Zn	68	**60.477**	ug/L	0.9	300.848	128742.1	0.9
	As	75	**1.192**	ug/L	15.1	246.874	3961.4	14.0
	Se	82	**0.495**	ug/L	13.0	185.557	355.6	6.7
>	Ge	74		ug/L		1391638.249	1342478.2	0.6
	Ag	107	**0.169**	ug/L	4.2	33.333	2595.8	5.1
	Cd	111	**-0.773**	ug/L	6.9	-1.778	-2755.0	6.6
	Sb	123	**0.174**	ug/L	7.4	38.304	1620.3	7.5
	Ba	137	**95.587**	ug/L	1.9	33.333	542423.5	1.2
>	Rh	103		ug/L		1473287.105	1410076.4	1.1
	Tl	203	**0.090**	ug/L	3.9	164.445	1653.4	5.0
	Pb	208	**18.872**	ug/L	3.1	585.560	1043429.6	1.6
>	Ho	165		ug/L		1397315.870	1476528.9	1.5

01787

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-5

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 18:28:49
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125060-5.092

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.670**	ug/L	11.5	13.333	801.1	11.3
L>	Sc	45		ug/L		1525581.690	1957899.0	0.0
⌈	Cr	52	**423.729**	ug/L	1.8	8025.617	5646584.5	1.3
|	Mn	55	**1172.537**	ug/L	2.9	965.588	25805924.3	1.4
|	Cu	65	**122.667**	ug/L	1.4	78.889	519455.6	0.2
|	Zn	68	**174.303**	ug/L	0.2	300.848	357447.1	1.5
|	As	75	**6.244**	ug/L	4.4	246.874	19044.1	2.8
|	Se	82	**0.545**	ug/L	14.4	185.557	360.0	6.1
L>	Ge	74		ug/L		1391638.249	1295169.1	1.6
⌈	Ag	107	**0.206**	ug/L	0.8	33.333	2992.5	1.5
|	Cd	111	**-0.407**	ug/L	2.3	-1.778	-1378.2	2.5
|	Sb	123	**1.712**	ug/L	1.0	38.304	14808.0	0.9
|	Ba	137	**214.284**	ug/L	2.9	33.333	1154136.2	2.6
L>	Rh	103		ug/L		1473287.105	1338337.0	0.7
⌈	Tl	203	**0.258**	ug/L	3.7	164.445	4416.2	4.2
|	Pb	208	**94.155**	ug/L	3.0	585.560	5211508.5	1.8
L>	Ho	165		ug/L		1397315.870	1478851.6	1.6

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-6

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 18:31:47
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125060-6.093

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.645**	ug/L	8.7	13.333	815.6	3.3
>	Sc	45		ug/L		1525581.690	2074674.4	6.7
	Cr	52	**49.841**	ug/L	1.7	8025.617	673397.2	0.7
	Mn	55	**1365.053**	ug/L	0.7	965.588	30168386.9	0.6
	Cu	65	**111.163**	ug/L	1.1	78.889	472650.3	1.3
	Zn	68	**97.944**	ug/L	0.8	300.848	201758.4	0.7
	As	75	**5.097**	ug/L	3.9	246.874	15660.0	4.9
	Se	82	**0.553**	ug/L	14.5	185.557	364.4	8.5
>	Ge	74		ug/L		1391638.249	1300252.1	1.3
	Ag	107	**0.258**	ug/L	4.4	33.333	3710.5	4.2
	Cd	111	**-1.058**	ug/L	6.0	-1.778	-3545.8	5.8
	Sb	123	**0.410**	ug/L	3.6	38.304	3537.8	3.2
	Ba	137	**206.626**	ug/L	0.4	33.333	1101946.4	0.7
>	Rh	103		ug/L		1473287.105	1325070.5	0.5
	Tl	203	**0.184**	ug/L	0.6	164.445	3107.0	1.5
	Pb	208	**14.408**	ug/L	1.4	585.560	775524.5	0.7
>	Ho	165		ug/L		1397315.870	1436884.6	1.2

01709

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-8

Sample Description: 5X
Sample Date/Time: Wednesday, December 01, 2004 18:34:42
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\125060-8.094

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.702**	ug/L	7.0	13.333	817.8	8.6
>	Sc	45		ug/L		1525581.690	1906923.4	1.9
	Cr	52	**102.958**	ug/L	1.6	8025.617	1401479.3	1.1
	Mn	55	**1081.403**	ug/L	2.2	965.588	24215375.4	1.6
	Cu	65	**144.042**	ug/L	1.3	78.889	620524.1	0.7
	Zn	68	**222.262**	ug/L	0.9	300.848	463555.9	0.3
	As	75	**15.260**	ug/L	1.1	246.874	47029.1	1.3
	Se	82	**0.515**	ug/L	29.1	185.557	355.6	14.1
>	Ge	74		ug/L		1391638.249	1317464.9	0.6
	Ag	107	**0.316**	ug/L	2.7	33.333	4565.2	1.6
	Cd	111	**-0.883**	ug/L	2.2	-1.778	-2976.9	1.2
	Sb	123	**3.155**	ug/L	2.8	38.304	27146.9	2.9
	Ba	137	**192.316**	ug/L	0.6	33.333	1031926.5	1.5
>	Rh	103		ug/L		1473287.105	1333172.4	1.1
	Tl	203	**0.189**	ug/L	2.8	164.445	3214.8	2.8
	Pb	208	**39.967**	ug/L	2.3	585.560	2170795.9	1.2
>	Ho	165		ug/L		1397315.870	1450800.2	1.3

01710

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: SOIL LCS

Sample Description: 20X
Sample Date/Time: Wednesday, December 01, 2004 18:37:37
Number of Replicates: 3
Batch ID: SP772
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\SOIL LCS.095

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**70.137**	ug/L	4.0	13.333	77427.0	6.8
▷	Sc	45		ug/L		1525581.690	1844808.2	2.8
	Cr	52	**98.483**	ug/L	1.5	8025.617	1493224.9	3.2
	Mn	55	**362.928**	ug/L	0.1	965.588	9054815.7	4.6
	Cu	65	**66.987**	ug/L	3.8	78.889	321170.4	1.0
	Zn	68	**110.554**	ug/L	1.9	300.848	256890.9	2.9
	As	75	**64.467**	ug/L	2.0	246.874	220375.7	3.1
	Se	82	**93.698**	ug/L	2.3	185.557	36701.5	2.4
▷	Ge	74		ug/L		1391638.249	1467676.3	4.6
	Ag	107	**47.079**	ug/L	1.2	33.333	774598.3	3.4
	Cd	111	**59.146**	ug/L	2.3	-1.778	228750.1	4.7
	Sb	123	**102.359**	ug/L	2.0	38.304	1009176.1	1.2
	Ba	137	**193.913**	ug/L	0.7	33.333	1194167.2	3.9
▷	Rh	103		ug/L		1473287.105	1529907.3	3.3
	Tl	203	**93.023**	ug/L	1.3	164.445	1585288.0	1.9
	Pb	208	**62.829**	ug/L	1.9	585.560	3604127.1	2.5
▷	Ho	165		ug/L		1397315.870	1532513.7	3.1

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 18:40:36
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\QC Std 3.096

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
┌	Be	9	**48.402**	ug/L	4.7	13.333	48645.1	5.7
└>	Sc	45		ug/L		1525581.690	1680024.6	1.0
┌	Cr	52	**52.755**	ug/L	2.6	8025.617	770349.0	2.3
│	Mn	55	**52.480**	ug/L	0.6	965.588	1255188.7	0.2
│	Cu	65	**48.126**	ug/L	0.7	78.889	221332.6	1.0
│	Zn	68	**52.497**	ug/L	0.8	300.848	117089.2	1.2
│	As	75	**50.471**	ug/L	1.6	246.874	165421.0	1.3
│	Se	82	**48.725**	ug/L	3.1	185.557	18385.2	2.7
└>	Ge	74		ug/L		1391638.249	1406049.8	0.4
┌	Ag	107	**51.884**	ug/L	1.3	33.333	806441.1	1.1
│	Cd	111	**49.416**	ug/L	0.6	-1.778	180518.2	1.2
│	Sb	123	**52.080**	ug/L	1.2	38.304	485282.2	0.7
│	Ba	137	**52.136**	ug/L	1.4	33.333	303309.0	1.8
└>	Rh	103		ug/L		1473287.105	1445323.7	0.6
┌	Tl	203	**52.618**	ug/L	0.8	164.445	869320.9	1.8
│	Pb	208	**50.753**	ug/L	1.1	585.560	2821989.6	0.8
└>	Ho	165		ug/L		1397315.870	1485223.1	1.8

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Wednesday, December 01, 2004 18:46:39
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120104am\QC Std 4.097

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**-0.004**	ug/L	141.0	13.333	11.1	45.8
->	Sc	45		ug/L		1525581.690	1679968.8	0.4
	Cr	52	**-0.045**	ug/L	37.8	8025.617	7213.1	3.7
	Mn	55	**0.065**	ug/L	2.5	965.588	2453.5	2.2
	Cu	65	**0.637**	ug/L	5.5	78.889	2910.3	4.7
	Zn	68	**0.646**	ug/L	5.3	300.848	1685.1	5.6
	As	75	**-0.007**	ug/L	737.2	246.874	222.2	71.9
	Se	82	**-0.139**	ug/L	45.1	185.557	131.1	17.3
->	Ge	74		ug/L		1391638.249	1359906.8	1.9
	Ag	107	**0.016**	ug/L	8.5	33.333	276.7	7.5
	Cd	111	**-0.008**	ug/L	89.1	-1.778	-30.4	83.4
	Sb	123	**0.165**	ug/L	2.7	38.304	1563.4	2.2
	Ba	137	**0.005**	ug/L	16.7	33.333	63.3	9.1
->	Rh	103		ug/L		1473287.105	1433938.7	1.0
	Tl	203	**0.015**	ug/L	19.1	164.445	398.9	10.6
	Pb	208	**0.041**	ug/L	6.9	585.560	2800.1	4.8
->	Ho	165		ug/L		1397315.870	1420524.4	2.0

File Utility Help

RN RN ?

Protocol STL-PPB

Dataset/Proto 120204 /STL-PPB

Protocol | Line info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 8.72677e-6

C -2.14473e-1

Rho .999607

Type Linear

☑ Calibrated

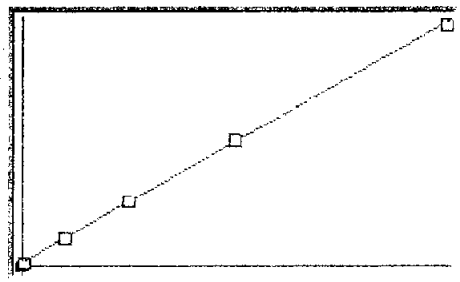
☑ Accepted

Accept

Rel. Abs.
2291438

Accepted

New



Conc. 20.0

Include S1 Rep 1☑ 2☑ 3☑ 4☐ 5☐

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.206	-.206	965	.2003	3277	-203	-181
02	.10000	-.011	-.111	23282	8.12%	21944	3213 ?	24619
03	2.0000	2.04	.037	258011	4.12%	250498	213930 ?	265525
04	5.0000	5.19	.185	618725	0.74%	624020	615644	616512
05	10.000	10.3	.313	1206322	0.56%	1211145	1209298	1198526
06	20.000	19.8	-.218	2291439	0.64%	2308342	2280991	2284983

Ready NUM

01714

Protocol: STL-PPB

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: bs Seq: 67 18:25:37 02 Dec 04 HG

FCW Hg System#1

Hg	1.71	ppb	.000	%	1.71

*** Sample ID: bsd Seq: 68 18:30:19 02 Dec 04 HG

FCW Hg System#1

Hg	1.78	ppb	.000	%	1.78

*** Sample ID: 125060-2 Seq: 70 18:40:12 02 Dec 04 HG

FCW Hg System#1

Hg	.038	ppb	.000	%	.038

*** Sample ID: 125060-~~3~~ 1C Seq: 71 18:45:02 02 Dec 04 HG

FCW Hg System#1

Hg	-.048	ppb	.000	%	-.048

*** Check Standard: 4 Ck4 5 PPB Seq: 75 19:06:11 02 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.8	4.89	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 76 19:11:01 02 Dec 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.012	.200	ppb	.000 %

File Utility Help

Protocol STL-PPB

Dataset/Proto 120104 /STL-PPB

Protocol | Line info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 8.98571e-6

C -1.91244e-1

Rho .999496

Type Linear

☑ Calibrated

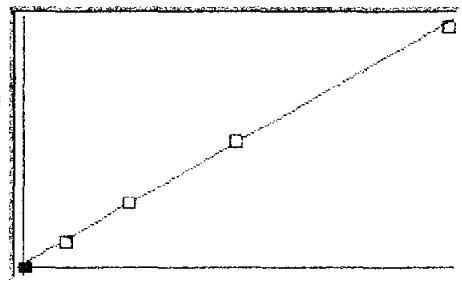
☑ Accepted

Accept

Rel. Abs.
2219449

Accepted

New



Conc. 20.0

Include S2 Rep 1☑ 2☑ 3☑ 4☐ 5☐

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.214	-.214	-2577	7910	3328	505	-11564
02	.10000	-.042	-.142	16581	26.13%	12667	15840	21238
03	2.0000	2.03	.025	246663	3.96%	257949	240746	241293
04	5.0000	5.23	.235	603848	0.71%	600521	602355	608666
05	10.000	10.3	.345	1172511	0.23%	1173602	1174496	1169437
06	20.000	19.8	-.248	2219449	0.19%	2215418	2218965	2223966

Ready NUM

01716

Protocol: STL-PPB

POST-RUN REPORT

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 2 Ck2 4 PPB Seq: 18 10:48:16 01 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		105.	4.19	4.00	ppb	.000 %

*** Check Standard: 3 Ck3 2 PPB Seq: 19 10:53:57 01 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	2.05	2.00	ppb	.000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 20 10:58:37 01 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		100.	5.02	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 23 12:31:08 01 Dec 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.031	.200	ppb	.000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 85 18:15:11 01 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		108.	5.39	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 86 18:20:50 01 Dec 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.048	.200	ppb	.000 %

*** Sample ID: mb-zs214 Seq: 93 18:58:53 01 Dec 04 HG

FCW Hg System#1

Hg -.079 ppb .000 % -.079

*** Sample ID: 125059-8 Seq: 94 19:04:15 01 Dec 04 HG

FCW Hg System#1

Hg .679 ppb .000 % .679

*** Sample ID: 125059-10 Seq: 95 19:09:40 01 Dec 04 HG

FCW Hg System#1

Hg .307 ppb .000 % .307

*** Sample ID: 125059-12 Seq: 96 19:14:59 01 Dec 04 HG

FCW Hg System#1

Hg .087 ppb .000 % .087

*** Check Standard: 4 Ck4 5 PPB Seq: 97 19:20:20 01 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		106.	5.31	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 98 19:26:39 01 Dec 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.032	.200	ppb	.000 %

*** Sample ID: 125059-13 Seq: 99 19:31:58 01 Dec 04 HG

FCW Hg System#1

Hg .191 ppb .000 % .191

*** Sample ID: 125059-14 Seq: 100 19:38:21 01 Dec 04 HG

FCW Hg System#1

Hg .033 ppb .000 % .033

Protocol: STL-PPB

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 125059-15 Seq: 101 19:43:41 01 Dec 04 HG

FCW Hg System#1

Hg .101 ppb .000 % .101

*** Sample ID: 125059-15d Seq: 102 19:49:04 01 Dec 04 HG

FCW Hg System#1

Hg -.041 ppb .000 % -.041

*** Sample ID: 125059-15d Seq: 103 19:54:27 01 Dec 04 HG

FCW Hg System#1

Hg .292 ppb .000 % .292

*** Sample ID: 125059-15s Seq: 104 20:00:41 01 Dec 04 HG

FCW Hg System#1

Hg 2.05 ppb .000 % 2.05

*** Sample ID: 125059-15s Seq: 105 20:06:52 01 Dec 04 HG

FCW Hg System#1

Hg 2.03 ppb .000 % 2.03

*** Sample ID: era Seq: 106 20:12:34 01 Dec 04 HG

FCW Hg System#1

Hg 10.3 ppb .000 % 10.3

*** Sample ID: bs Seq: 107 20:18:24 01 Dec 04 HG

FCW Hg System#1

Hg 1.86 ppb .000 % 1.86

*** Sample ID: bsd Seq: 108 20:23:44 01 Dec 04 HG

FCW Hg System#1

Hg 1.86 ppb .000 % 1.86

*** Check Standard: 4 Ck4 5 PPB Seq: 109 20:29:25 01 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		107.	5.36	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 110 20:34:45 01 Dec 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.049	.200	ppb	.000 %

*** Sample ID: 125059-16 Seq: 112 20:46:10 01 Dec 04 HG

FCW Hg System#1

Hg .283 ppb .000 % .283

*** Sample ID: 125059-17 Seq: 113 20:51:50 01 Dec 04 HG

FCW Hg System#1

Hg .107 ppb .000 % .107

*** Sample ID: 125060-3 Seq: 114 20:57:11 01 Dec 04 HG

FCW Hg System#1

Hg .166 ppb .000 % .166

*** Sample ID: 125060-4 Seq: 115 21:02:44 01 Dec 04 HG

FCW Hg System#1

Hg .288 ppb .000 % .288

Protocol: STL-PPB

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 125060-5 Seq: 116 21:08:07 01 Dec 04 HG

FCW Hg System#1

Hg	.323	ppb	.000	%	.323

*** Sample ID: 125060-6 Seq: 117 21:13:30 01 Dec 04 HG

FCW Hg System#1

Hg	.109	ppb	.000	%	.109

*** Sample ID: 125060-8 Seq: 118 21:18:53 01 Dec 04 HG

FCW Hg System#1

Hg	.202	ppb	.000	%	.202

*** Check Standard: 4 Ck4 5 PPB Seq: 119 21:24:33 01 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		110.	5.51	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 120 21:29:57 01 Dec 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.042	.200	ppb	.000 %

01719

LABORATORY WORKSHEETS

01720

metals Worksheet - total

(3)

QC Level:Tier IV

Matrix:Liquid

Due: 12/08/04 | **Work Order - 125060**

URS Corporation

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

J2

Sample number 125060-1	%Solids	Client Sample ID	041123SGA13BDW
Sample Weight/Volume	QA/QC Batch TP774	Date Received	11/24/2004
		Date Sampled	**1/23/2004 10:10:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum					
Antimony		X			
Arsenic		X			
Barium		X			
Beryllium		X			
Cadmium		X			
Calcium					
Chromium		X			
Cobalt					
Copper		X			
Iron					
Lead		X			
Magnesium					
Manganese		X			
Nickel					
Potassium					
Selenium		X			
Silver		X			
Sodium					
Thallium		X			
Vanadium					
Zinc		X			

Analyst_____ Date_____

Reviewed by_____ Date 47483

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01721

metals Worksheet - total

QC Level:Tier IV

Matrix:Liquid

Due: 12/08/04

Work Order - 125060

URS Corporation

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-2	%Solids	Client Sample ID	041123SGA14BDW
Sample Weight/Volume	QA/QC Batch	Date Received	11/24/2004
		Date Sampled	**1/23/2004 10:30:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Analyst_____ Date_____

Reviewed by_____ Date 47485

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01722

metals Worksheet - total

QC Level:Tier IV
Matrix:solid
URS Corporation

Due: 12/08/04 | **Work Order - 125060**

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-3	%Solids	Client Sample ID	041123SGA28SS
Sample Weight/Volume	QA/QC Batch. 7P772	Date Received	11/24/2004
		Date Sampled	**1/23/2004 12:45:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum					
Antimony		X			
Arsenic		X			
Barium		X			
Beryllium		X			
Cadmium		X			
Calcium					
Chromium		X			
Cobalt					
Copper		X			
Iron					
Lead		X			
Magnesium					
Manganese		X			
Nickel					
Potassium					
Selenium		X			
Silver		X			
Sodium					
Thallium		X			
Vanadium					
Zinc		X			

Analyst _____ Date 12/1/04
Reviewed by _____ Date 47487 12/9/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01723

metals Worksheet - total

QC Level:Tier IV

Matrix:solid

URS Corporation

Due: 12/08/04 | **Work Order - 125060**

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-4	**%Solids**	Client Sample ID	041123SGA29SS
Sample Weight/Volume	**QA/QC Batch**	Date Received	11/24/2004
		Date Sampled	**11/23/2004 1:15:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Analyst _____ Date 12/1/4

Reviewed by _____ Date 47489 12/4/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01724

metals Worksheet - total

QC Level:Tier IV

Matrix:solid

URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-5

Sample Weight/Volume

%Solids

QA/QC Batch

Client Sample ID: 041123SGA30SS

Date Received: 11/24/2004

Date Sampled: 11/23/2004 2:15:00 PM

Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Analyst _____ Date 12/1/04

Reviewed by _____ Date 474917 12/6/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01725

metals Worksheet - total

QC Level:Tier IV

Matrix:solid

URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-6	%Solids	Client Sample ID	041123SGA31SS
Sample Weight/Volume	QA/QC Batch	Date Received	11/24/2004
		Date Sampled	**11/23/2004 2:30:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Analyst 966 Date 12/1/04

Reviewed by 966 Date 474930 12/2/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01726

metals Worksheet - total

QC Level:Tier IV

Matrix:solid

URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-8	**%Solids**	Client Sample ID	041123SGA33SS
Sample Weight/Volume	**QA/QC Batch**	Date Received	11/24/2004
		Date Sampled	**11/23/2004 3:45:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Analyst _____ Date 12/1/04

Reviewed by _____ Date 474952/2/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01727

metals Worksheet - total

QC Level:Tier IV

Matrix:Liquid

URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-10

Sample Weight/Volume

%Solids

QA/QC Batch

Client Sample ID 041123SGA15ERW

Date Received 11/24/2004

Date Sampled 11/23/2004 5:00:00 PM

Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					

Analyst _____ Date _____

Reviewed by _____ Date 47497

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01728

Mercury (CVAA) Worksheet - total

QC Level:Tier IV
Matrix:Liquid
URS Corporation

Due: 12/08/04

Work Order - 125060

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-1	%Solids	Client Sample ID	041123SGA13BDW
Sample Weight/Volume	QA/QC Batch 37217	Date Received	11/24/2004
		Date Sampled	**1/23/2004 10:10:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 125060-2	%Solids	Client Sample ID	041123SGA14BDW
Sample Weight/Volume	QA/QC Batch	Date Received	11/24/2004
		Date Sampled	**1/23/2004 10:30:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 125060-10	%Solids	Client Sample ID	041123SGA15ERW
Sample Weight/Volume	QA/QC Batch	Date Received	11/24/2004
		Date Sampled	**11/23/2004 5:00:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Analyst _____ Date 12/2/04
Reviewed by _____ Date 47499 12/6/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01729

Mercury (CVAA) Worksheet - total

QC Level:Tier IV

Matrix:solid

URS Corporation

Due: 12/08/04 | **Work Order - 125060**

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-3	%Solids	Client Sample ID	041123SGA28SS
Sample Weight/Volume	QA/QC Batch	Date Received	11/24/2004
		Date Sampled	**1/23/2004 12:45:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 125060-4	%Solids	Client Sample ID	041123SGA29SS
Sample Weight/Volume	QA/QC Batch	Date Received	11/24/2004
		Date Sampled	**11/23/2004 1:15:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 125060-5	%Solids	Client Sample ID	041123SGA30SS
Sample Weight/Volume	QA/QC Batch	Date Received	11/24/2004
		Date Sampled	**11/23/2004 2:15:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 125060-6	%Solids	Client Sample ID	041123SGA31SS
Sample Weight/Volume	QA/QC Batch	Date Received	11/24/2004
		Date Sampled	**11/23/2004 2:30:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Sample number 125060-8	%Solids	Client Sample ID	041123SGA33SS
Sample Weight/Volume	QA/QC Batch	Date Received	11/24/2004
		Date Sampled	**11/23/2004 3:45:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Analyst _____ Date 12/1/04

Reviewed by _____ Date 47501 12/6/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01730

STL Seattle
METALS DIGESTION LOG

Date: 12/2/04
Analyst: [illegible]

Nitric Acid Lot No.: 9282

QC Batch ID: TP774
HCl Lot No.: 9246

H2O2 Lot No.: N/A

Spike STL Std. No.: 1001-11-15, 1001-11-13

Method: 1001-09-18

Water Total/ Dissolved (205.8)	Low Level Water (219.1):	Soil Microwave (206.15)	Soil Waterbath (204.2)	Wipe/Filter (209.7)	Paint Chip (214.7)	Oil (208.5)	Leachate (221.4)	Other:
✓								

Sample No.	Sample Size g / ml	Matrix	Spike Amt.	Final Vol., mls	Comments
125060-1	50 mL	Liquid		50 mL	
1D	↓	↓		↓	
1S			1 mL		
1SD			↓		
2					
10					
125059-5					
125082-1					
125170-1					
125132-1					
2	↓	↓		↓	
BLK	50 mL			50 mL	
BS	↓		1 mL	↓	
BSD			↓		
LCS	↓		↓	↓	

SPIKE WITNESSING: (CHECK OFF, SIGN & DATE)

Method
Special Spiking Instructions

Matrix
Spike Soln.
Amount Spiked

Signature: [illegible]
Date: 12/2/04

STL Seattle

Metals Digestion Log

QCBatch ID	sp772				
Sample Matrix	Soil Digestion Block (3050B Mod.)				
MS Spike No.	GPS#1 : 1001-11-15	Weighed By/Date	12-1-04		
	GPS#2 : 1001-11-13				
	STD C: 1001-09-18				
HCL Lot No.	9101				
Nitric Acid Lot No.	9106				
H202 Lot No.	S007	Spike Witness Signature/Date	12/1/04		

QC Sample Type	QC Identifier	Sample Wt (g)	Final Vol (mL)		Spike Vol
Method Blank	sp772	0.5000	50		
Duplicate	125059r15	0.5767	50		
Duplicate-2	125059r15	0.5878	50		
Blank Spike	ssp772	0.5000	50		1
Blank Spike Duplicate	dsp772	0.5000	50		1
Matrix Spike	125059s15	0.5618	50		1
Matrix Spike Duplicate	125059d15	0.5222	50		1
dup-2	124993s20				
dup-2	124993d20				
LCS					
ERA		0.5928	50		

Sample	Client Sample ID	Sample Weight (g)	Final Volume (mL)		
125059-8	041122SGA21SS	0.5709	50		
125059-10	041122SGA23SS	0.5141	50		
125059-12	041122SGA14SS	0.5845	50		
125059-13	041122SGA15SS	0.5777	50		
125059-14	041122SGA16SS	0.5511	50		
125059-15	041122SGA17SS	0.5538	50		
125059-16	041122SGA18SS	0.5541	50		
125059-17	041122SGA19SS	0.6031	50		
125060-3	041123SGA28SS	0.5768	50		
125060-4	041123SGA29SS	0.5217	50		
125060-5	041123SGA30SS	0.6020	50		
125060-6	041123SGA31SS	0.5409	50		
125060-8	041123SGA33SS	0.5715	50		
			50		
			50		
			50		
			50		
			50		
			50		
			50		

01732

Printed - 12/2/04

Mercury Digestion Log

QCBatch ID	zt217		
Sample Matrix	liquid		
Hg Spike/Stds Soln Lot #	11-35HG		
ERA/Chk Stds Spike Soln.	1001-10-10	Weighed By/Date	12/2/04
		Extracted By/Date	
H2SO4 Lot #	8159	Comments	
HNO3 Lot #	7418		
HCL Lot #	8156		
SnCl2 Lot #	6678		
KMnO4 Lot #	6913		
K2S2O8 Lot #	6919	Spike Witness Signature/Date	12/2/04
NaCl Lot #	8438		
Hydroxylamine Sulfate Lot #	8133		
Digestion Procedure	7470A		

QC Sample Type	QC Identifier	Sample Weight (ml)	Final Volume (ml)	MS/BS spike amt (ml)	Standards
Method Blank	zt217	50.0000	50		Blank ppb
Duplicate	125060r1	50.0000	50		0.1 ppb
Duplicate-2					2.0 ppb
Blank Spike	szt217	50.0000	50	1	5.0 ppb
Blank Spike Duplicate	dzt217	50.0000	50	1	10.0 ppb
Matrix Spike	125060s1	50.0000	50	1	20.0 ppb
Matrix Spike Duplicate	125060d1	50.0000	50	1	100
Matrix Spike-2					
ERA-B2095013		50.0000	50		100

Sample	Client Sample ID	Sample Weight (ml)	Final Volume (ml)	Comments	Check Stds
125060-1	41123SGA13BD	50.0000	50	100	Blank ppb
125060-2	41123SGA14BD	50.0000	50	100	5.0 ppb
125060-10	41123SGA15ER	50.0000	50	100	2.0 ppb
					4.0 ppb

Bath Temp

Printed - 12/1/04

Mercury Digestion Log

QCBatch ID	ZS214
Sample Matrix	solid
Hg Spike/Stds Soln Lot #	1001-10-10
ERA/Chk Stds Spike Soln.	11-35HG
H2SO4 Lot #	8159
HNO3 Lot #	7418
HCL Lot #	8156
SnCl2 Lot #	6678
KMnO4 Lot #	6913
K2S2O8 Lot #	6919
NaCl Lot #	8438
Hydroxylamine Sulfate Lot #	8133
Digestion Procedure	7471A

Weighed By/Date BB 12-1-04

Extracted By/Date

Comments

L 12/1/04

Spike Witness Signature/Date

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	MS/BS spike amt (ml)	Standards
Method Blank	ZS214	0.5000	50		Blank ppb
Duplicate	125059r15	0.5505	50		0.1 ppb
Duplicate-2	125059r15	0.5059	50		2.0 ppb
Blank Spike	sZS214	0.5000	50	1	5.0 ppb
Blank Spike Duplicate	dZS214	0.5000	50	1	10.0 ppb
Matrix Spike	125059s15	0.5224	50	1	20.0 ppb
Matrix Spike Duplicate	125059d15	0.5539	50	1	100
Matrix Spike-2					
Matrix Spike Duplicate-2					
ERA	D038-540	0.1433	50		

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Comments	Check Stds
125059-8	041122SGA21SS	0.5573	50	100	Blank ppb
125059-10	041122SGA23SS	0.5612	50	100	5.0 ppb
125059-12	041122SGA14SS	0.5088	50	100	2.0 ppb
125059-13	041122SGA15SS	0.5833	50	100	4.0 ppb
125059-14	041122SGA16SS	0.5525	50	100	
125059-15	041122SGA17SS	0.5123	50	100	
125059-16	041122SGA18SS	0.5111	50	100	
125059-17	041122SGA19SS	0.5855	50	100	Bath Temp
125060-3	041123SGA28SS	0.5831	50	100	
125060-4	041123SGA29SS	0.5770	50	100	
125060-5	041123SGA30SS	0.5650	50	100	
125060-6	041123SGA31SS	0.5387	50	100	
125060-8	041123SGA33SS	0.5670	50	100	

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**1**
Data Filename	**tp774**
Client Sample ID	**1123SGA13BDW**
Date Received	**11-24-04**
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan tp774

Sample volume (ml)		=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Antimony	0.000112			0.000112	J	0.0005
x	Barium	0.002198		2.6E-05	0.0022	B2	0.0005
x	Chromium	0.00561			0.00561		0.0005
x	Copper	0.039845			0.0398		0.001
x	Lead	0.000358		3.7E-05	0.000358	J B1	0.0005
x	Manganese	0.00095		0.00035	0.00095	J B1	0.001
x	Selenium	0.00065			0.00065		0.0005
x	Silver	0.000023			0.000023	J	0.0001
x	Zinc	0.088824		0.00039	0.0888	B2	0.002

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**1**
Data Filename	**zt217**
Client Sample ID	**1123SGA13BDW**
Date Received	**11-24-04**
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan zt217

Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**2**
Data Filename	**tp774**
Client Sample ID	**1123SGA14BDW**
Date Received	**11-24-04**
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan tp774

Sample volume (ml)		=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.000603			0.000603		0.0005
x	Antimony	0.000139			0.000139	J	0.0005
x	Barium	0.002126		2.6E-05	0.00213	B2	0.0005
x	Chromium	0.006097			0.0061		0.0005
x	Copper	0.038344			0.0383		0.001
x	Lead	0.000335		3.7E-05	0.000335	J B1	0.0005
x	Manganese	0.000979		0.00035	0.000979	J B1	0.001
x	Selenium	0.000693			0.000693		0.0005
x	Silver	0.000027			0.000027	J	0.0001
x	Thallium	0.000039			0.000039	J	0.0005
x	Zinc	0.091256		0.00039	0.0913	B2	0.002

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**	
Work Order Number	**125060**	
Sample Number	**2**	Related Blan zt217
Data Filename	**zt217**	
Client Sample ID	**1123SGA14BDW**	
Date Received	**11-24-04**	
Date Prepared	**12-02-04**	
Date Analyzed	**12-02-04**	
Sample matrix type	**liquid**	
QC sample type	**sample**	

Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**10**
Data Filename	**tp774**
Client Sample ID	**1123SGA15ERW**
Date Received	**11-24-04**
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan tp774

Sample volume (ml)		=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Antimony	0.000066			0.000066	J	0.0005
x	Barium	0.000085		2.6E-05	0.000085	J B1	0.0005
x	Chromium	0.004291			0.00429		0.0005
x	Copper	0.000133			0.000133	J	0.001
x	Manganese	0.000373		0.00035	0.000373	J B1	0.001
x	Selenium	0.00057			0.00057		0.0005
x	Silver	0.000043			0.000043	J	0.0001
x	Zinc	0.002443		0.00039	0.00244	B1	0.002

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**125060**				
Sample Number	**10**			Related Blan zt217	
Data Filename	**zt217**				
Client Sample ID	**1123SGA15ERW**				
Date Received	**11-24-04**				
Date Prepared	**12-02-04**				
Date Analyzed	**12-02-04**				
Sample matrix type	**liquid**				
QC sample type	**sample**				
Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blan noblank
Data Filename	**tp774**
Client Sample ID	
Date Received	
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**blank**

Sample volume (ml)		=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Barium	0.000026			0.000026	J	0.0005
x	Lead	0.000037			0.000037	J	0.0005
x	Manganese	0.000349			0.000349	J	0.001
x	Zinc	0.000389			0.000389	J	0.002

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blan noblank	
Data Filename	**zt217**				
Client Sample ID					
Date Received					
Date Prepared	**12-02-04**				
Date Analyzed	**12-02-04**				
Sample matrix type	**liquid**				
QC sample type	**blank**				
Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information** 6010 method is selected

Client Name	
Work Order Number	
Sample Number	Related Blan noblank
Data Filename	**tp774**
Client Sample ID	
Date Received	
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**blank**

Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Calcium	0.009001			0.009	J	1

01743

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6a **Sample Information** 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**1**
Data Filename	**tp774**
Client Sample ID	**41123SGA13BDW**
Date Received	**11-24-04**
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan tp774

Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aluminum	0.012034			0.012	J	0.1
x	Calcium	10.08852		0.009	10.1	B2	1
	Copper	0.052654			0.0527		0.01
x	Magnesium	3.601186			3.6		1
x	Potassium	2.305185			2.31		1
x	Sodium	6.951133			6.95		1
x	Vanadium	0.002837			0.00284	J	0.01
	Zinc	0.12742			0.127		0.01

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6a **Sample Information** 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**2**
Data Filename	**tp774**
Client Sample ID	**41123SGA14BDW**
Date Received	**11-24-04**
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan tp774

Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aluminum	0.011651			0.0117	J	0.1
x	Calcium	10.14729		0.009	10.1	B2	1
	Copper	0.037437			0.0374		0.01
x	Magnesium	3.585687			3.59		1
x	Potassium	2.321367			2.32		1
x	Sodium	7.259704			7.26		1
x	Vanadium	0.003082			0.00308	J	0.01
	Zinc	0.101994			0.102		0.01

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6a **Sample Information** 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**10**
Data Filename	**tp774**
Client Sample ID	**41123SGA15ERW**
Date Received	**11-24-04**
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan tp774

Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	**1**
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fac	**1**
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aluminum	0.043128			0.0431	J	0.1
x	Calcium	0.083604		0.009	0.0836	J B1	1
x	Sodium	0.530463			0.53	J	1
x	Vanadium	0.00077			0.00077	J	0.01
	Zinc	0.008049			0.00805	J	0.01

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6a **Sample Information** 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**3**
Data Filename	**sp772**
Client Sample ID	**041123SGA28SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp772

Sample weight (g)	**0.5768**	=	0.00058 /kg	Calc. Fact.	99.114063
Digest volume	**50**	=	50 ml	Dry Weight	0.50446928 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	**87.46**	=	0.8746	Spike Factor	1.98228126
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aluminum	88.03489			8730		9.91
x	Calcium	50.05969			4960		99.1
x	Cobalt	0.117491			11.6		0.496
x	Iron	228.9355			22700		9.91
x	Magnesium	60.51642			6000		99.1
x	Nickel	0.205703			20.4		0.991
x	Potassium	4.368232			433		99.1
x	Vanadium	0.556348			55.1		0.991

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6a **Sample Information** 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**4**
Data Filename	**sp772**
Client Sample ID	**041123SGA29SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp772

Sample weight (g)	**0.5217**	=	0.00052 /kg	Calc. Fact.	102.910471
Digest volume	**50**	=	50 ml	Dry Weight	0.48585921 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	**93.13**	=	0.9313	Spike Factor	2.05820941
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aluminum	36.62702			3770		10.3
x	Calcium	36.35032			3740		103
x	Cobalt	0.106856			11		0.515
x	Iron	188.8836			19400		10.3
x	Magnesium	25.29443			2600		103
x	Nickel	0.052001			5.35		1.03
x	Potassium	3.495844			360		103
x	Vanadium	0.511698			52.7		1.03

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6a **Sample Information** 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**5**
Data Filename	**sp772**
Client Sample ID	**041123SGA30SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp772

Sample weight (g)	**0.602**	=	0.0006 /kg	Calc. Fact.	104.302999
Digest volume	**50**	=	50 ml	Dry Weight	0.4793726 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	**79.63**	=	0.7963	Spike Factor	2.08605999
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aluminum	143.5964			15000		10.4
x	Calcium	97.37337			10200		104
x	Cobalt	0.152983			16		0.522
x	Iron	319.6776			33300		10.4
x	Magnesium	87.36254			9110		104
x	Nickel	0.562004			58.6		1.04
x	Potassium	6.013912			627		104
x	Vanadium	0.667081			69.6		1.04

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6a **Sample Information** 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**6**
Data Filename	**sp772**
Client Sample ID	**041123SGA31SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp772

Sample weight (g)	**0.5409**	=	0.00054 /kg	Calc. Fact.	119.506824
Digest volume	**50**	=	50 ml	Dry Weight	0.41838615 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	**77.35**	=	0.7735	Spike Factor	2.39013648
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aluminum	193.4943			23100		12
x	Calcium	82.47933			9860		120
x	Cobalt	0.16506			19.7		0.598
x	Iron	294.265			35200		12
x	Magnesium	116.1729			13900		120
x	Nickel	0.225175			26.9		1.2
x	Potassium	5.144359			615		120
x	Sodium	2.329094		0.13141	278	B2	120
x	Vanadium	0.745155			89.1		1.2

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6a **Sample Information** 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**8**
Data Filename	**sp772**
Client Sample ID	**041123SGA33SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp772

Sample weight (g)	**0.5715**	=	0.00057 /kg	Calc. Fact.	107.70536
Digest volume	**50**	=	50 ml	Dry Weight	0.46422945 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	**81.23**	=	0.8123	Spike Factor	2.1541072
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aluminum	135.1725			14600		10.8
x	Calcium	65.86583			7090		108
x	Cobalt	0.136158			14.7		0.539
x	Iron	256.4418			27600		10.8
x	Magnesium	70.44051			7590		108
x	Nickel	0.262431			28.3		1.08
x	Potassium	6.070618			654		108
x	Vanadium	0.637409			68.7		1.08

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6a **Sample Information**	6010 method is selected				
Client Name					
Work Order Number					
Sample Number				Related Blan	noblank
Data Filename	**sp772**				
Client Sample ID					
Date Received					
Date Prepared	**12-01-04**				
Date Analyzed	**12-02-04**				
Sample matrix type	**solid**				
QC sample type	**blank**				

Sample weight (g)	**0.5**	=	0.0005 /kg	Calc. Fact.	100
Digest volume	**50**	=	50 ml	Dry Weight	0.5 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids		=	1	Spike Factor	2
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Sodium	0.131405			13.1	J	100

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6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**3**
Data Filename	**sp772**
Client Sample ID	**41123SGA28SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp772

Sample weight (g)	**0.5768**	=	0.00058 /kg	Calc. Fact.	495.570315
Digest volume	**50**	=	50 ml	Dry Weight	.50446928 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**87.46**	=	0.8746	Spike Factor	1.98228126
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.007762			3.85		0.248
x	Antimony	0.000889			0.441		0.248
x	Barium	0.17353		5.9E-05	86	B2	0.248
x	Beryllium	0.000491			0.243	J	0.248
x	Chromium	0.036823		0.00009	18.2	B2	0.248
x	Copper	0.062564		0.00017	31	B2	0.496
x	Lead	0.714241		7.5E-05	354	B2	0.248
x	Manganese	0.695696		0.00053	345	B2	0.496
x	Selenium	0.000354			0.175	J	0.248
x	Silver	0.000222			0.11		0.0496
x	Thallium	0.000186			0.0922	J	0.248
x	Zinc	0.17503		0.00093	86.7	B2	0.991

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6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**4**
Data Filename	**sp772**
Client Sample ID	**41123SGA29SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp772

Sample weight (g)	**0.5217**	=	0.00052 /kg	Calc. Fact.	514.552354
Digest volume	**50**	=	50 ml	Dry Weight	.48585921 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**93.13**	=	0.9313	Spike Factor	2.05820941
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.001192			0.613		0.257
x	Antimony	0.000174			0.0895	J	0.257
x	Barium	0.095587		5.9E-05	49.2	B2	0.257
x	Beryllium	0.000255			0.131	J	0.257
x	Chromium	0.010244		0.00009	5.27	B2	0.257
x	Copper	0.032534		0.00017	16.7	B2	0.515
x	Lead	0.018872		7.5E-05	9.71	B2	0.257
x	Manganese	0.585697		0.00053	301	B2	0.515
x	Selenium	0.000495			0.255	J	0.257
x	Silver	0.000169			0.087		0.0515
x	Thallium	0.00009			0.0463	J	0.257
x	Zinc	0.060477		0.00093	31.1	B2	1.03

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6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**5**
Data Filename	**sp772**
Client Sample ID	**41123SGA30SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp772

Sample weight (g)	**0.602**	=	0.0006 /kg	Calc. Fact.	521.514997
Digest volume	**50**	=	50 ml	Dry Weight	0.4793726 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**79.63**	=	0.7963	Spike Factor	2.08605999
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.006244			3.26		0.261
x	Antimony	0.001712			0.893		0.261
x	Barium	0.214284		5.9E-05	112	B2	0.261
x	Beryllium	0.00067			0.349		0.261
x	Chromium	0.423729		0.00009	221	B2	0.261
x	Copper	0.122667		0.00017	64	B2	0.522
x	Lead	0.094155		7.5E-05	49.1	B2	0.261
x	Manganese	1.172537		0.00053	611	B2	0.522
x	Selenium	0.000545			0.284		0.261
x	Silver	0.000206			0.107		0.0522
x	Thallium	0.000258			0.135	J	0.261
x	Zinc	0.174303		0.00093	90.9	B2	1.04

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6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**6**
Data Filename	**sp772**
Client Sample ID	**41123SGA31SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp772

Sample weight (g)	**0.5409**	=	0.00054 /kg	Calc. Fact.	597.53412
Digest volume	**50**	=	50 ml	Dry Weight	.41838615 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**77.35**	=	0.7735	Spike Factor	2.39013648
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.005097			3.05		0.299
x	Antimony	0.00041			0.245	J	0.299
x	Barium	0.206626		5.9E-05	123	B2	0.299
x	Beryllium	0.000645			0.385		0.299
x	Chromium	0.049841		0.00009	29.8	B2	0.299
x	Copper	0.111163		0.00017	66.4	B2	0.598
x	Lead	0.014408		7.5E-05	8.61	B2	0.299
x	Manganese	1.365053		0.00053	816	B2	0.598
x	Selenium	0.000553			0.33		0.299
x	Silver	0.000258			0.154		0.0598
x	Thallium	0.000184			0.11	J	0.299
x	Zinc	0.097944		0.00093	58.5	B2	1.2

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**8**
Data Filename	**sp772**
Client Sample ID	**41123SGA33SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp772

Sample weight (g)	**0.5715**	=	0.00057 /kg	Calc. Fact.	538.5268
Digest volume	**50**	=	50 ml	Dry Weight	.46422945 g
Dilution Factor	**5**	=	5	Sample Unit	mg/kg
% Solids	**81.23**	=	0.8123	Spike Factor	2.1541072
		=	1	Rept. Dil. Fa	5
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Arsenic	0.01526			8.22		0.269
x	Antimony	0.003155			1.7		0.269
x	Barium	0.192316		5.9E-05	104	B2	0.269
x	Beryllium	0.000702			0.378		0.269
x	Chromium	0.102958		0.00009	55.4	B2	0.269
x	Copper	0.144042		0.00017	77.6	B2	0.539
x	Lead	0.039967		7.5E-05	21.5	B2	0.269
x	Manganese	1.081403		0.00053	582	B2	0.539
x	Selenium	0.000515			0.277		0.269
x	Silver	0.000316			0.17		0.0539
x	Thallium	0.000189			0.102	J	0.269
x	Zinc	0.222262		0.00093	120	B2	1.08

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blan noblank
Data Filename	**sp772**
Client Sample ID	
Date Received	
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**blank**

Sample weight (g)		=	0.0005 /kg	Calc. Fact.	100
Digest volume	**50**	=	50 ml	Dry Weight	0 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids		=	1	Spike Factor	2
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Barium	0.000059			0.0059	J	0.05
x	Chromium	0.00009			0.009	J	0.05
x	Copper	0.000166			0.0166	J	0.1
x	Lead	0.000075			0.0075	J	0.05
x	Manganese	0.00053			0.053	J	0.1
x	Zinc	0.000926			0.0926	J	0.2

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**3**
Data Filename	**zs214**
Client Sample ID	**41123SGA28SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs214

Sample weight (g)	**0.5831**	=	0.00058 /kg	Calc. Fact.	98.0432028
Digest volume	**50**	=	50 ml	Dry Weight	.50997926 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**87.46**	=	0.8746	Spike Factor	1.96086406
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.000166			0.0163	J	0.0196

01759

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**4**
Data Filename	**zs214**
Client Sample ID	**41123SGA29SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs214

Sample weight (g)	**0.577**	=	0.00058 /kg	Calc. Fact.	93.0474741
Digest volume	**50**	=	50 ml	Dry Weight	0.5373601 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**93.13**	=	0.9313	Spike Factor	1.86094948
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.000288			0.0268		0.0186

01760

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**5**
Data Filename	**zs214**
Client Sample ID	**41123SGA30SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs214

Sample weight (g)	**0.565**	=	0.00057 /kg	Calc. Fact.	111.133461
Digest volume	**50**	=	50 ml	Dry Weight	0.4499095 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**79.63**	=	0.7963	Spike Factor	2.22266923
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.000323			0.0359		0.0222

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**6**
Data Filename	**zs214**
Client Sample ID	**41123SGA31SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs214

Sample weight (g)	**0.5387**	=	0.00054 /kg	Calc. Fact.	119.994879
Digest volume	**50**	=	50 ml	Dry Weight	.41668445 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**77.35**	=	0.7735	Spike Factor	2.39989757
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.000109			0.0131	J	0.024

01762

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**8**
Data Filename	**zs214**
Client Sample ID	**41123SGA33SS**
Date Received	**11-24-04**
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan zs214

Sample weight (g)	**0.567**	=	0.00057 /kg	Calc. Fact.	108.560164
Digest volume	**50**	=	50 ml	Dry Weight	0.4605741 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**81.23**	=	0.8123	Spike Factor	2.17120329
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Mercury	0.000202			0.0219		0.0217

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blan noblank
Data Filename	**zs214**
Client Sample ID	
Date Received	
Date Prepared	**12-01-04**
Date Analyzed	**12-01-04**
Sample matrix type	**solid**
QC sample type	**blank**

Sample weight (g)	**0.5**	=	0.0005 /kg	Calc. Fact.	100
Digest volume	**50**	=	50 ml	Dry Weight	0.5 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids		=	1	Spike Factor	2
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

TOTAL ORGANIC CARBON DATA PACKAGE

01765

SAMPLE DATA

01766

Calibration Report Print Date/Time: 2004/11/29 16:24:15

Cal. Curve ID: 041124
Created: 2004/11/29 16:24
Calibration Factor (m): 6.540e-04
Y Intercept (b): 3221
r-squared: 0.99819

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
1.0UG/ML TOC ST	43256	0.500	0.612		2004/11/24 12:10
2.0UG/ML TOC ST	69376	1.000	1.012		2004/11/24 12:31
5.0UG/ML TOC ST	168827	2.500	2.532		2004/11/24 12:52
10UG/ML TOC STD	311783	5.000	4.718		2004/11/24 13:15
20UG/ML TOC STD	665494	10.000	10.126		2004/11/24 13:41

Detailed Analysis Report Print Date/Time: 2004/11/29 15:00:06

Sample ID: 1.0UG/ML TOC STD TOC-9-2 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 11241014
Cal. Curve: 041124 Timestamp: 2004/11/24 12:10
Operator ID: USER1 Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			42938	6.110	6.309	96
2			43016	6.193	6.391	96
3			43815	6.303	6.503	95

<<<Statistics>>> Mean: 43256 Std Dev: 485 RSD: 1.12

Sample ID: 2.0UG/ML TOC STD TOC-9-3 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 11241014
Cal. Curve: 041124 Timestamp: 2004/11/24 12:31
Operator ID: USER1 Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			69084	6.236	6.434	96
2			69088	6.250	6.450	100
3			69957	6.321	6.521	100

<<<Statistics>>> Mean: 69376 Std Dev: 503 RSD: 0.72

Sample ID: 5.0UG/ML TOC STD TOC-9-4 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 11241014
Cal. Curve: 041124 Timestamp: 2004/11/24 12:52
Operator ID: USER1 Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			165453	6.562	6.758	102
2			177640	6.474	6.674	105
3			163388	6.423	6.623	108

<<<Statistics>>> Mean: 168827 Std Dev: 7702 RSD: 4.56

Sample ID: 10UG/ML TOC STD TOC-9-5 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 11241014
Cal. Curve: 041124 Timestamp: 2004/11/24 13:15
Operator ID: USER1 Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			307736	6.447	6.646	123
2			317791	6.568	6.767	142
3			309822	6.691	6.890	131

<<<Statistics>>> Mean: 311783 Std Dev: 5307 RSD: 1.70

Sample ID: 20UG/ML TOC STD TOC-9-6 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 11241014
Cal. Curve: 041124 Timestamp: 2004/11/24 13:41
Operator ID: USER1 Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			657530	6.428	6.628	177
2			674696	6.544	6.743	185
3			664257	6.641	6.840	183

<<<Statistics>>> Mean: 665494 Std Dev: 8650 RSD: 1.30

Sample ID: MB TOC1239 Mode: TOC

Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1

Filename: 11241014
Timestamp: 2004/11/24 14:01
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2295	0.1148	17505	6.695	6.891	89
2	0.0073	0.0037	10239	6.706	6.900	86
3	0.0741	0.0371	12424	6.617	6.816	87

<<<Statistics>>> Mean: 0.1036 Std Dev: 0.1140 RSD: 110.01

Sample ID: 124945-01 TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1

Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 14:22
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.7546	0.8773	67378	6.539	6.737	98
2	1.6711	0.8355	64646	6.594	6.794	97
3	1.5749	0.7874	61500	6.654	6.852	100

<<<Statistics>>> Mean: 1.6669 Std Dev: 0.0899 RSD: 5.39

Sample ID: 124954-01 TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1

Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 14:45
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	19.6804	9.8402	653566	6.893	7.092	147
2	21.3130	10.6565	706954	6.855	7.053	138
3	20.8360	10.4180	691357	6.727	6.927	149

<<<Statistics>>> Mean: 20.6098 Std Dev: 0.8395 RSD: 4.07

Sample ID: 124970-01 TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1

Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 15:11
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	26.1115	13.0558	863871	6.728	6.927	217
2	24.2781	12.1391	802916	6.869	7.066	174
3	23.3902	11.6951	774879	6.942	7.141	156

<<<Statistics>>> Mean: 24.5933 Std Dev: 1.3878 RSD: 5.64

Sample ID: 125027-08 TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1

Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 15:41
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6.2237	3.1118	213520	6.751	7.081	294
2	5.2043	2.6021	180185	7.071	7.366	295
3	4.2701	2.1351	149637	7.375	7.574	236

Last Message: Max Integration Time Reached
<<<Statistics>>> Mean: 5.2327 Std Dev: 0.9771 RSD: 18.67

Sample ID: 125027-08 MS TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1

Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 16:12
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.2042	4.6021	310985	7.258	7.628	295
2	9.2780	4.6390	313397	7.570	7.966	295
3	8.9874	4.4937	303895	7.953	8.161	294

Last Message: Max Integration Time Reached
<<<Statistics>>> Mean: 9.1565 Std Dev: 0.1511 RSD: 1.65

Sample ID: 125060-10 TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1
Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 16:32
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3480	0.1740	21380	7.554	7.753	91
2	0.2467	0.1233	18067	7.591	7.791	90
3	0.5204	0.2602	27019	7.610	7.807	93

<<<Statistics>>> Mean: 0.3717 Std Dev: 0.1384 RSD: 37.23

Sample ID: 125060-11 TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1
Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 16:57
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.4643	0.7321	57882	7.920	8.119	175
2	1.5349	0.7674	60192	8.068	8.268	178
3	1.0181	0.5090	43291	8.248	8.448	154

<<<Statistics>>> Mean: 1.3391 Std Dev: 0.2802 RSD: 20.93

Sample ID: 125010-01 TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1
Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 17:18
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.9189	0.9594	72749	7.876	8.076	104
2	1.7299	0.8650	66571	7.938	8.136	109
3	1.7561	0.8780	67425	8.001	8.201	115

<<<Statistics>>> Mean: 1.8016 Std Dev: 0.1024 RSD: 5.68

Sample ID: 125010-02 TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1
Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 17:40
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.1886	1.0943	81570	8.195	8.394	106
2	1.7518	0.8759	67286	8.089	8.288	100
3	1.5734	0.7867	61451	8.008	8.206	97

<<<Statistics>>> Mean: 1.8379 Std Dev: 0.3165 RSD: 17.22

Sample ID: 125010-02 MS TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1
Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 18:03
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time

1	9.2036	4.6018	310966	7.902	8.100	138
2	10.8081	5.4040	363434	7.995	8.193	153
3	9.5248	4.7624	321468	8.073	8.273	144

<<<Statistics>>> Mean: 9.8455 Std Dev: 0.8490 RSD: 8.62

Sample ID: 125010-02 MSD TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1
Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 18:26
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.2264	4.6132	311713	7.786	7.985	131
2	10.0829	5.0415	339721	7.767	7.966	134
3	10.0508	5.0254	338669	7.807	8.006	160

<<<Statistics>>> Mean: 9.7867 Std Dev: 0.4855 RSD: 4.96

Sample ID: 124970-01 1:2 TOC1239
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1
Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 18:49
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11.9020	5.9510	399207	7.942	8.140	134
2	11.5968	5.7984	389226	8.026	8.225	128
3	11.1434	5.5717	374401	8.059	8.258	124

<<<Statistics>>> Mean: 11.5474 Std Dev: 0.3817 RSD: 3.31

Sample ID: 10UG/ML TOC ICV TOC-9-7
Method: TOC 0 - 20 ppmC
Cal. Curve: 041124
Operator ID: USER1
Mode: TOC
Filename: 11241014
Timestamp: 2004/11/24 19:12
Sample Type: Cal. Verification

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11.8449	5.9224	390558	7.590	7.790	166
2	11.2601	5.6300	371435	7.730	7.930	139
3	11.0022	5.5011	363004	7.832	8.032	120

<<<Statistics>>> Mean: 11.3691 Std Dev: 0.4318 RSD: 3.80

LABORATORY WORKSHEETS

01272

TOC Worksheet - total

QC Level:Tier IV

Matrix:Liquid

Due: 12/08/04 | **Work Order - 125060**

URS Corporation

Proj. Manager:Katie Downie

Special Instructions

MS/MSD -1
Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Encores Frozen upon arrival..
Soil TOC subbed to Burlington

Sample number 125060-10 | %Solids | Client Sample ID 041123SGA15ERW

Sample Weight/Volume | QA/QC Batch | **Date Sampled** 11/23/2004 5:00:00 PM

Analyte Name	Method	Result	PQL	Units
Total Organic Carbon (TOC)				

Sample number 125060-11 | %Solids | Client Sample ID 041123SGA16ERW

Sample Weight/Volume | QA/QC Batch | **Date Sampled** 11/23/2004 5:20:00 PM

Analyte Name	Method	Result	PQL	Units
Total Organic Carbon (TOC)				

Analyst_____ Date_____

Reviewed by_____ Date 47587

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01723

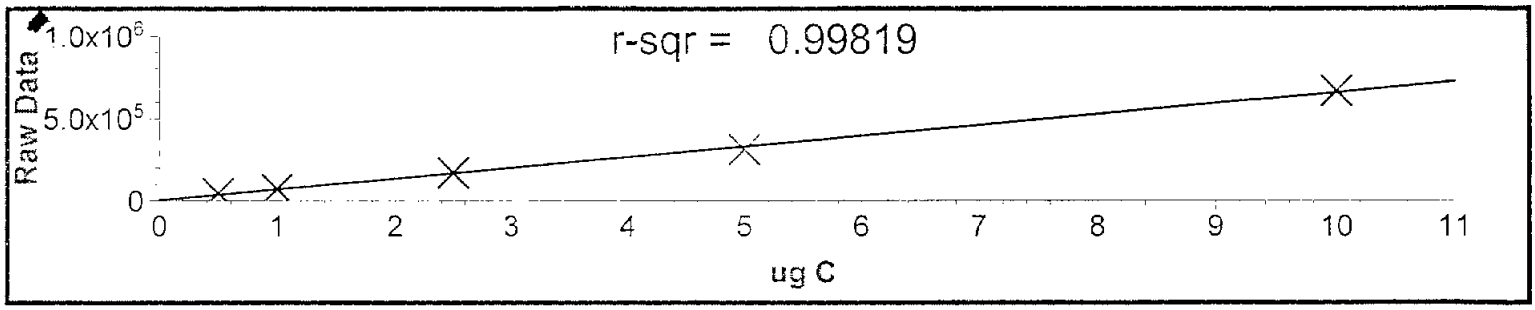
Sample Prep Log Sheet - 11/29/2004

Total Organic Carbon Analysis by USEPA Method 9060

QCBatch ID	TOC1239				
Sample Matrix	liquid				
SPIKE STD #	TOC-3				
Extraction Date	11/24/2004				
Extracted By	sjl				

QC Sample Type	QC Identifier	Sample Volume (ml)		SPIKE AMT(uL)	
Method Blank	TOC1239	0.2000			
Duplicate	123863r21				
Duplicate-2	123820r3				
Matrix Spike	125010s2	0.2000		200	
Matrix Spike Duplicate	125010d2	0.2000			
Matrix Spike-2	125027s8	0.2000			
Matrix Spike Duplicate-2					

Sample	Client Sample ID	Sample Volume (ml)			
124945-1	041116SGA01GW	0.2000			
124954-1	Final Effluent 11-	0.2000			
124970-1	Final Effluent 11/	0.2000			
125027-8	UA-04-RB	0.2000			
125010-1	041119SGA09GW	0.2000			
125010-2	041119SGA10GW	0.2000			
125060-10	041123SGA15ER	0.2000			
125060-11	041123SGA16ER	0.2000			


r-sqr = 0.99819
Raw Data
1.0x10^6
5.0x10^5
0
0
1
2
3
4
5
6
7
8
9
10
11
ug C

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	
QC Batch ID	**TOC1239**
Client Sample ID	
Date Received	
Date Prepared	**11-24-04**
Date Analyzed	**11-24-04**
Sample matrix type	**liquid**
QC sample type	**blank**

Related Blank: noblank

Sample volume (ml)	**0.2**	=	0.001	/L	Calc. Fact.	1
		=	1	ml	Dry Weight	-
Dilution Factor	**1**	=	1		Sample Units	mg/L
% Solids		=	1		Spike Factor	1
		=	1		Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001			
mg/kg Carbon		=	1			

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**10**
QC Batch ID	**TOC1239**
Client Sample ID	**41123SGA15ERW**
Date Received	**11-24-04**
Date Prepared	**11-24-04**
Date Analyzed	**11-24-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: TOC1239

Sample volume (ml)	**0.2**	=	0.001	/L	Calc. Fact.	1
		=	1	ml	Dry Weight	-
Dilution Factor	**1**	=	1		Sample Units	mg/L
% Solids		=	1		Spike Factor	1
		=	1		Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001			
mg/kg Carbon		=	1			

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	TOC	0.3717 ✓			0.372	J	1

01277

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125060**
Sample Number	**11**
QC Batch ID	**TOC1239**
Client Sample ID	**41123SGA16ERW**
Date Received	**11-24-04**
Date Prepared	**11-24-04**
Date Analyzed	**11-24-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: TOC1239

Sample volume (ml)	**0.2**	=	0.001	/L	Calc. Fact.	1
		=	1	ml	Dry Weight	-
Dilution Factor	**1**	=	1		Sample Units	mg/L
% Solids		=	1		Spike Factor	1
		=	1		Rept. Dil. Fact.	1
Report in PPM	**1**	=	0.001			
mg/kg Carbon		=	1			

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	TOC	1.3391			1.34		1

01278

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 125060

47599

01279

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

December 14, 2004

Ms. Katie Downie
STL Seattle
5755 8th Street East
Tacoma, WA 98424

Re: Laboratory Project No. 24028
Case 24028; SDG: 125060

Dear Ms. Downie:

Enclosed are the analytical results of samples received by STL Burlington on November 30, 2004. This report is sequentially numbered starting with page 0001 and ending with page 0143. Laboratory ID numbers were designated as follows.

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 11/30/04 ETR No: 104053		
600223	041123SGA28SS	11/23/04	Soil
600224	041123SGA29SS	11/23/04	Soil
600225	041123SGA31SS	11/23/04	Soil
600226	041123SGA33SS	11/23/04	Soil

Documentation of the condition of the samples at the time of their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

Total Organic Carbon by Lloyd Kahn
Because of the range in calibration and the constraints associated with the establishment of a low concentration calibration point, there is imprecision in the derivation of results at or near the reporting limit when using a linear regression of all the calibration points for quantification. The laboratory used a direct proportion between zero and the relative response of the low calibration standard in deriving results when the response for any one of the determinations for a particular sample was less than that of the low calibration standard.

The analytical results presented in this data report were generated under a quality system that adheres to the requirements specified in the NELAC standard. This report shall not be reproduced, except in full, without the written approval of the laboratory. The release of the data in this report is authorized by the Laboratory Director or his designee, as verified by the following signature.

If there are any questions regarding this submittal, please contact Lori Arnold at 802 655-1203.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

SEVERN TRENT STL

Client: STL-Seattle	Project Manager: Katie Dawne	Date: 11/29/04	Chain of Custody Number: 14031
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State): Bradford Island	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 125060			

Analysis (Attach list if more space is needed): TOC, Grain Size

Special Instructions/ Conditions of Receipt

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		TOC	Grain Size
D41123SGA28SS	11/23/04	1245			X			1							X	X
D41123SGA29SS		1315													X	X
D41123SGA31SS		1430													X	
D41123SGA33SS		1545													X	

47605

Cooler: ☐ Yes ☐ No Cooler Temp:_____

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

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

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☒ Other 12/8

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: K Hasel	11/29/04	2150	1. Received By: Jon McCook	11/30/04	0945
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274 580 (12/02)

01782

SEVERN TRENT STL

Sample Data Summary Package For Wet Chemistry

47607

01783

WET CHEMISTRY

Sample Report Summary

Client Sample No.

041123SGA28SS

Lab Name: STL BURLINGTON | Contract: 125060 | SDG No.: 125060

Lab Code: STLVT | Case No.: 24028 | Lab Sample ID: 600223

Matrix: SOIL | Client: STLWAS | Date Received: 11/30/04

% Solids: 97.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		97.1	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	515	3540	

Printed on: 12/10/04 08:46 AM

01784

WET CHEMISTRY

Sample Report Summary

Client Sample No.
041123SGA29SS

Lab Name: STL BURLINGTON
Contract: 125060
SDG No.: 125060

Lab Code: STLVT
Case No.: 24028
Lab Sample ID: 600224

Matrix: SOIL
Client: STLWAS
Date Received: 11/30/04

% Solids: 98.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		98.8	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	506	2810	

Printed on: 12/10/04 08:46 AM

01785

WET CHEMISTRY

Sample Report Summary

Client Sample No.

041123SGA31SS

Lab Name: STL BURLINGTON

Contract: 125060

SDG No.: 125060

Lab Code: STLVT

Case No.: 24028

Lab Sample ID: 600225

Matrix: SOIL

Client: STLWAS

Date Received: 11/30/04

% Solids: 89.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		89.7	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	557	9350	

01786

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
041123SGA33SS

Lab Name: STL BURLINGTON
Contract: 125060
SDG No.: 125060

Lab Code: STLVT
Case No.: 24028
Lab Sample ID: 600226

Matrix: SOIL
Client: STLWAS
Date Received: 11/30/04

% Solids: 93.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		93.0	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	538	3000	

01787

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON | Contract: 125060 | SDG No.: 125060

Lab Code: STLVT | Case No.: 24028

Matrix: SOIL | Client: STLWAS

% Solids:

Lab Sample ID	Method	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKLK1206A	IN847	TOC, PSEP (LK Modified)	500	mg/Kg	U	1	500	12/06/04	BLKLK1206A

01788

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON | Contract: 125060 | SDG No.: 125060

Lab Code: STLVT | Case No.: 24028

Matrix: SOIL | Client: STLWAS

% Solids:

Lab Sample ID	Method	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Recovery*
LCSLK1206A	IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	7960	8500	94

** Control Limit for Percent Recovery is 85-115%, unless otherwise specified.*

01789

Printed on: 12/10/04 08:46 AM

SEVERN TRENT STL

Geotechnical Analysis
Sample Data Summary Package

47621

01790

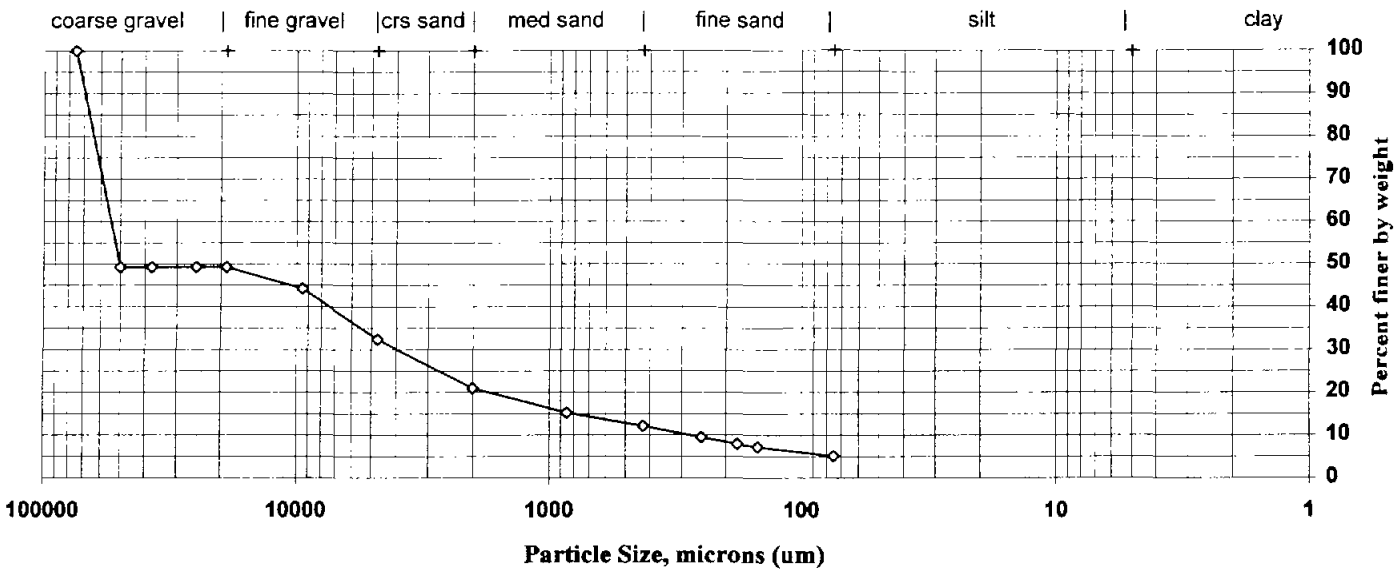
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	STLWAS	**Project No.:**	24028	**ETR(s) #:**	104053
Client Code:	STLWAS	**Job No.:**	N/A	**SDG(s):**	125060
Date Received:	30-Nov-04	**Start Date:**	5-Dec-04	**End Date:**	9-Dec-04

Lab ID: 600223 **Sample ID:** 041123SGA28SS

Percent Solids:	89.9%		**Maximum Particle Size:**	75 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	N/A		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	49.2	50.8
1.5 inch	37500	49.2	0.0
1 inch	25000	49.2	0.0
3/4 inch	19000	49.2	0.0
3/8 inch	9500	44.2	5.0
#4	4750	32.4	11.9
#10	2000	21.0	11.3
#20	850	15.2	5.8
#40	425	12.1	3.1
#60	250	9.5	2.6
#80	180	7.9	1.6
#100	150	7.2	0.6
#200	75	5.1	2.1
Hydrometer	0.0	0.0	5.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	67.6
Sand	27.3
Coarse Sand	11.3
Medium Sand	8.9
Fine Sand	7.0
Fines	5.1

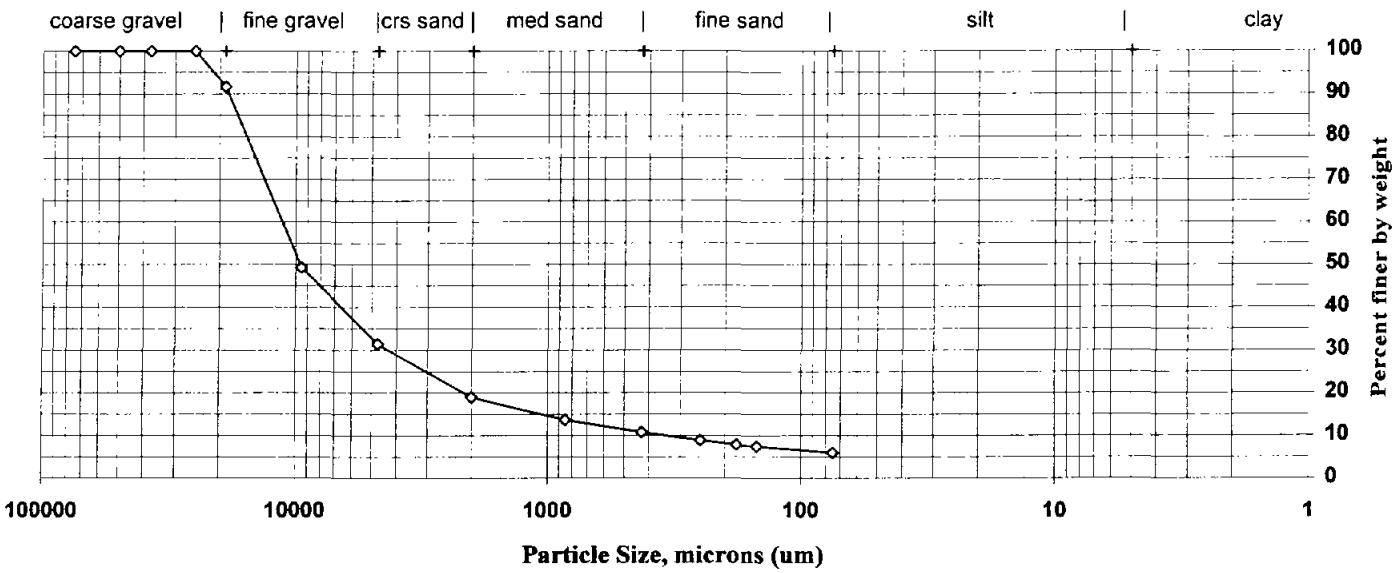
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	STLWAS	**Project No.:**	24028	**ETR(s) #:**	104053
Client Code:	STLWAS	**Job No.:**	N/A	**SDG(s):**	125060
Date Received:	30-Nov-04	**Start Date:**	5-Dec-04	**End Date:**	9-Dec-04

Lab ID: 600224 **Sample ID:** 041123SDA29SS

Percent Solids:	94.5%		**Maximum Particle Size:**	25 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	angular
Non-soil mass:	N/A		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	91.6	8.4
3/8 inch	9500	49.3	42.3
#4	4750	31.5	17.8
#10	2000	19.0	12.5
#20	850	13.6	5.4
#40	425	10.8	2.9
#60	250	8.9	1.9
#80	180	7.8	1.1
#100	150	7.4	0.4
#200	75	6.0	1.5
Hydrometer	0.0	0.0	6.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	68.5
Sand	25.5
Coarse Sand	12.5
Medium Sand	8.2
Fine Sand	4.8
Fines	6.0

STL Burlington
Colchester, Vermont

Extended Data Package

SDG: 125060

47627

01793

SEVERN TRENT STL

NARRATIVE

01794

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

December 14, 2004

Ms. Katie Downie
STL Seattle
5755 8th Street East
Tacoma, WA 98424

Re: Laboratory Project No. 24028
Case 24028; SDG: 125060

Dear Ms. Downie:

Enclosed are the analytical results of samples received by STL Burlington on November 30, 2004. This report is sequentially numbered starting with page 0001 and ending with page 0143. Laboratory ID numbers were designated as follows.

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 11/30/04 ETR No: 104053		
600223	041123SGA28SS	11/23/04	Soil
600224	041123SGA29SS	11/23/04	Soil
600225	041123SGA31SS	11/23/04	Soil
600226	041123SGA33SS	11/23/04	Soil

Documentation of the condition of the samples at the time of their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

Total Organic Carbon by Lloyd Kahn
Because of the range in calibration and the constraints associated with the establishment of a low concentration calibration point, there is imprecision in the derivation of results at or near the reporting limit when using a linear regression of all the calibration points for quantification. The laboratory used a direct proportion between zero and the relative response of the low calibration standard in deriving results when the response for any one of the determinations for a particular sample was less than that of the low calibration standard.

The analytical results presented in this data report were generated under a quality system that adheres to the requirements specified in the NELAC standard. This report shall not be reproduced, except in full, without the written approval of the laboratory. The release of the data in this report is authorized by the Laboratory Director or his designee, as verified by the following signature.

If there are any questions regarding this submittal, please contact Lori Arnold at 802 655-1203.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

SEVERN TRENT STL

Client: STL-Seattle	Project Manager: Katie Dawno	Date: 11/29/04	Chain of Custody Number: 14031
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State): Bradford Island	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 125060			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): TOC	Grain Size
D41123SGA28SS	11/23/04	1245			X			1							X	X
D41123SGA29SS	↓	1315			↓			↓							X	X
D41123SGA31SS	↓	1430			↓			↓							X	
D41123SGA33SS	↓	1545			↓			↓							X	

Special Instructions/ Conditions of Receipt

Cooler: ☐ Yes ☐ No Cooler Temp:_____

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

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

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☒ Other 12/8

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: K Hasel	11/29/04	2150	1. Received By: Jon McCook	11/30/04	0945
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

47636 00003

SEVERN TRENT STL

Sample Report Summary
For Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.

041123SGA28SS

Lab Name: STL BURLINGTON

Contract: 125060

SDG No.: 125060

Lab Code: STLVT

Case No.: 24028

Lab Sample ID: 600223

Matrix: SOIL

Client: STLWAS

Date Received: 11/30/04

% Solids: 97.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		97.1	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	515	3540	

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

041123SGA29SS

Lab Name: STL BURLINGTON

Contract: 125060

SDG No.: 125060

Lab Code: STLVT

Case No.: 24028

Lab Sample ID: 600224

Matrix: SOIL

Client: STLWAS

Date Received: 11/30/04

% Solids: 98.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		98.8	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	506	2810	

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

041123SGA31SS

Lab Name: STL BURLINGTON

Contract: 125060

SDG No.: 125060

Lab Code: STLVT

Case No.: 24028

Lab Sample ID: 600225

Matrix: SOIL

Client: STLWAS

Date Received: 11/30/04

% Solids: 89.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		89.7	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	557	9350	

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.

041123SGA33SS

Lab Name: STL BURLINGTON

Contract: 125060

SDG No.: 125060

Lab Code: STLVT

Case No.: 24028

Lab Sample ID: 600226

Matrix: SOIL

Client: STLWAS

Date Received: 11/30/04

% Solids: 93.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		93.0	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	538	3000	

Printed on: 12/10/04 08:46 AM

SEVERN TRENT STL

Quality Control Summary For Wet Chemistry

WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON | Contract: 125060 | SDG No.: 125060

Lab Code: STLVT | Case No.: 24028

Matrix: SOIL | Client: STLWAS

% Solids:

Lab Sample ID	Method	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKLK1206A	IN847	TOC, PSEP (LK Modified)	500	mg/Kg	U	1	500	12/06/04	BLKLK1206A

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON Contract: 125060 SDG No.: 125060

Lab Code: STLVT Case No.: 24028

Matrix: SOIL Client: STLWAS

% Solids:

Lab Sample ID	Method	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Recovery*
LCSLK1206A	IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	7960	8500	94

** Control Limit for Percent Recovery is 85-115%, unless otherwise specified.*

47646

10011

Printed on: 12/10/04 08:46 AM

SEVERN TRENT STL

Supportive Documentation For Wet Chemistry

SEVERN TRENT STL

Wet Chemistry Raw Data

Solids, Percent

476649 3

01804

STL Burlington --- PERCENT SOLID REPORT --- 6-DEC-2004 13:30:13 --- HEC

Method: IN623

Batch: AR

Analyst: mnt

Date Entered: 12-06-04
Entered by: MNT

Date/Time in: 12/03/04 1330

Date Verified: 12-06-04
Verified by: HEC

Date/Time out: 12/04/04 1420

Lab ID	Mass of Dish (g)	Mass of Dish and Wet Sample (g)	Mass of Dish and Dry Sample (g)	Percent Solid
600216	0.97	6.27	5.71	89.4340
600217	0.97	6.89	6.54	94.0878
600218	0.97	7.00	6.70	95.0249
600219	0.96	8.35	7.99	95.1285
600220	0.97	8.50	8.28	97.0783
600221	0.96	7.50	7.45	99.2355
600221DP	0.97	8.88	8.80	98.9886
600222	0.97	7.43	6.44	84.6749
600223	0.98	9.19	8.95	97.0767
600224	0.97	8.98	8.88	98.7516
600225	0.96	6.80	6.20	89.7260
600226	0.96	8.68	8.14	93.0052
600534	0.97	9.97	8.83	87.3333
600535	0.97	9.88	8.65	86.1953

Percent Solids Benchsheet

Date In: 12/3/04
Time In: 0940 / 1330
Analyst: MNM

Date Out: 12/4/04
Time Out: 1420
Analyst: MNM

LAB ID plus EPA ID	Dish #	Mass of Dish (g)	Mass of Dish & Wet Sample (g)	Mass of Dish & Dry Sample (g)
600216	1	0.97	6.27	5.71
600217	2	0.97	6.89	6.54
600218	3	0.97	7.00	6.70
600219	4	0.96	8.35	7.99
600220	5	0.97	8.50	8.28
600221	6	0.96	7.50	7.45
600221 DUP	7	0.97	8.88	8.80
600222	8	0.97	7.43	6.44
600223	9	0.98	9.19	8.95
600224	10	0.97	8.98	8.88
600225	11	0.96	6.80	6.20
600226	12	0.96	8.68	8.14
13300 600534	13	0.97	9.97	8.83
600535	14	0.97	9.88	8.65
				12/4/04
				MNM

%W/W = grams dry X 100
grams wet

Entered by: MNM
Date: 12/6/04
Batch: AR

grams dry = weight of dry sample (g) - weight of dish (g)
grams wet = weight of wet sample (g) - weight of dish (g)

SEVERN TRENT STL

Wet Chemistry Raw Data

TOC, PSEP (LK Modified)

Total Organic Carbon by Lloyd Kahn, Method IN847

Analyst: KDS
Prep Date: 12/06/04 Prep Time: 1030
Analysis Date: 12/06/04 Analysis Time: 1234
Date of Calibration Curve: 12/02/04: 0.645, 0.515, 1.155, 1.775, 2.605
Instrument ID: NA1500
Instrument File Name: N-C1206

LCS Tag ID: LCS 1005
Matrix Spike Tag ID: 590706
Sulfanilamide Tag ID: WC-02005-16
Acetanilide Tag ID: WC-02-026-02
Phosphoric Acid Solution Tag ID: T011300401
HCl Lot #: N/A

#	Sample ID	Weight (mg)
	Acetanilide	0.688
	Acetanilide	0.582
	Blank	30
	Blank	30
	PBS1	5
	PBS2	5
	PBS3	5
	LCS1	10.882
	LCS2	10.298
	LCS3	9.055
	LCS4	10.085
	600216	5.175
	↓	5.749
	↓	6.040
	Acetanilide	0.653
	Acetanilide	0.829
	Blank	30
	Blank	30
	600217	4.825
	↓	9.242
	↓	8.431
	600218	7.782
	↓	9.400
	↓	8.680
	600219	4.541
	↓	7.700
	↓	10.685
	600220	8.923
	Acetanilide	0.577
	Acetanilide	0.745

#	Sample ID	Weight (mg)
	Blank	30
	Blank	30
	600220	8.854
	↓	6.378
	600221	7.715
	↓	7.353
	↓	8.219
	600221MS	9.890 + 0.406
	↓	8.050 + 0.278
	↓	8.149 + 0.585
	600221DP	9.340
	↓	8.637
	Acetanilide	0.630
	Acetanilide	0.614
	Blank	30
	Blank	30
	600221DP	7.753
	600222	10.105
	↓	8.006
	↓	9.141
	600223	9.100
	↓	5.157
	↓	8.151
	600224	6.566
	↓	7.874
	↓	7.699
	Acetanilide	0.554
	Acetanilide	0.664
	Blank	30
	Blank	30

Total Organic Carbon by Lloyd Kahn, Method IN847

Analyst: KDS
Prep Date: 12/06/04 Prep Time: 1030
Analysis Date: 12/06/04 Analysis Time: 1234
Date of Calibration Curve: 12/02/04
Instrument ID: NA1500
Instrument File Name: N01226

LCS Tag ID: (SAME)
Matrix Spike Tag ID:
Sulfanilamide Tag ID:
Acetanilide Tag ID:
Phosphoric Acid Solution Tag ID:
HCl Lot #:

#	Sample ID	Weight (mg)
	~~Acetanilide~~	
	Acetanilide	
	Blank	30
	Blank	~~30~~
	6000225	9.131
	↓	6.725
		6.307
	6000226	6.184
	↓	6.444
		7.380
	6000412	4.389
	↓	4.259
		4.221
	6000413	6.356
	Acetanilide	0.362
	Acetanilide	0.521
	Blank	30
	Blank	30
	6000413	4.510
	↓	5.631
	6000414	4.933
	↓	4.619
		6.899
	6000415	4.729
	↓	5.390
		9.156
		*
	Acetanilide	0.525
	Acetanilide	0.488

#	Sample ID	Weight (mg)
	~~Blank~~	30
	Blank	30
	Acetanilide	
	Acetanilide	
	Blank	30
	Blank	30
	Acetanilide	
	Acetanilide	
	Blank	30
	Blank	~~30~~ *

* KDS 12/06/04

Eager 200 Summarize Results

Method Name : IN847
Method Filename : N-C1206.MTH
Company name : SEVERN TRENT LAB
Operator ID : ANALYST

Group No : 1 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
ByPass	0	0	0	0
BLANK	0	0	0	0
BLANK	0	0	0	0
SULPHANILAMIDE	0	41.84000015	4.679999828	0
SULPHANILAMIDE	0	41.84000015	0	0
SULPHANILAMIDE	0	41.84000015	0	0
SULPHANILAMIDE	0	41.84000015	0	0
SULPHANILAMIDE	0	41.84000015	0	0
ACETANILIDE	0 TV-71.09	68.55418396	0	0
ACETANILIDE	0	70.88839722	0	0
BLANK	0	0.004105571192	0	0
BLANK	0	0.004395557567	0	0
PBS1	0	0.0342845954	0	0
PBS2	0	0.02591812611	0	0
PBS3	0	0.02505944856	0	0
LCS1	0	0.7547570467	0	0
LCS2	0	0.7871138453	0	0
LCS3	0	0.8304825425	0	0
LCS4	0	0.8115352988	0	0
600216	0	0.2567190528	0	0
600216	0	0.2174566984	-3.277755976	0
600216	0	0.2819473147	0	0
ACETANILIDE	0	70.21690369	0 99%	0
ACETANILIDE	6.500625134	70.08483887	0	0
BLANK	0	0.004418340512	0 <500	0
BLANK	0	0.004228113219	0	0
600217	0	0.3069195449	0	0
600217	0	0.259986043	0	0
600217	0	0.3448897004	-1.982478738	0
600218	0	0.9720295072	0	0
600218	0	0.9213377833	0	0
600218	0	1.033632994	0	0
600219	0	0.9020095468	0	0
600219	0	0.860209167	-0.5555527806	0
600219	0	0.8542149067	0	0
600220	0	0.5226324201	-0.04584660381	0
ACETANILIDE	0	70.15373993	0 99%	0
ACETANILIDE	0	69.56542206	0	0
BLANK	0	0.004406636115	0 <500	0
BLANK	0	0.004429842811	0	0
600220	0	0.5758633614	-2.622145653	0
600220	0	0.6646723151	0	0
600221	0	0.8795632124	0	0
600221	0	0.7262179255	0	0
600221	0	0.7800095677	0	0
600221MS	0.5447425842	3.547234297	0	0

600221MS	0.6694432497	3.377231598	-2.861107826	0	
600221MS	0	6.05347538	0	0	
600221DP	0	0.5979808569	-2.481904268	0	
600221DP	0	0.6593925357	-2.686381817	0	
ACETANILIDE	0	70.09876251	0	0	99%
ACETANILIDE	0	69.83000946	-37.83497238	0	
BLANK	0	0.004328977782	-0.7743558288	0	<500
BLANK	0.1795330197	0.004387815483	-0.7740008831	0	
600221DP	0	0.6550052762	-2.692832708	0	
600222	0.5336766839	1.537213445	0	0	
600222	0	0.9402164221	-2.884812117	0	
600222	0	4.991339207	0	0	
600223	0	0.3350566924	-2.552041292	0	
600223	1.044697404	0.3719376624	-4.499869823	0	
600223	0	0.3241661489	0	0	
600224	0	0.3007199168	-3.535863161	0	
600224	0.6845989227	0.211218372	-2.949850798	0	
600224	0.6995701194	0.2840240896	-3.011830568	0	
ACETANILIDE	9.738399506	70.01526642	-41.84933853	0	98%
ACETANILIDE	8.115991592	70.26141357	-34.91112518	0	
BLANK	0	0.004713414237	-0.7731727362	0	<500
BLANK	0	0.004268812947	-0.772226274	0	
600225	0	0.8180106878	-2.541822433	0	
600225	0.8038343787	0.7555078864	-3.442764521	0	
600225	0	0.9432561994	-3.673186541	0	
600226	0	0.2511703372	-3.743950844	0	
600226	0	0.3040046096	-3.601703882	0	
600226	0	0.2441170216	-1.334695935	0	
600412	1.229226232	10.84191895	0	0	
600412	0	5.63791132	-3.789458275	0	
600412	1.277074575	6.242033958	-4.960404396	0	
600413	0	1.331701279	0	0	
ACETANILIDE	0	71.12960815	0	0	100%
ACETANILIDE	0	70.37125397	0	0	
BLANK	0	0.004888379481	0	0	<500
BLANK	0.1802394837	0.005211102311	-0.7738825679	0	
600413	0	2.005399466	-5.146990776	0	
600413	0.9583711028	2.273229599	-3.991987467	0	
600414	0	1.719890594	-4.088320255	0	
600414	0	2.288919687	0	0	
600414	0	2.637886524	0	0	
600415	0	4.046926975	0	0	
600415	0	5.253684044	0	0	
600415	0	4.981263161	0	0	
ACETANILIDE	0	72.60923767	0	0	102%
ACETANILIDE	0	72.87311554	0	0	
BLANK	0	0.004539555404	-0.7712798119	0	<500
BLANK	0	0.004669617862	-0.7741191983	0	

94 Sample(s) in Group No : 1

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.3527662	1.463229	414.787100	2.141038
Carbon	13.69476	25.623800	187.106500	656.578900
Hydrogen	-2.066851	6.800449	-329.024600	46.246110
Sulphur	0	0.000000	0.000000	0.000000

Eager 200 Summarize Results

Method Name : IN847
Method Filename : N-C1206.MTH
Company name : SEVERN TRENT LAB
Operator ID : ANALYST

Group No : 1

Sample Name	Element % Nitrogen	Carbon	Hydrogen	Sulphur
PBS1	0	0.0342845954	0	0
PBS2	0	0.02591812611	0	0
PBS3	0	0.02505944856	0	0

3 Sample(s) in Group No : 1

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	2.842072E-02	0.005096	17.931910	0.000026
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 2

Sample Name	Element % Nitrogen	Carbon	Hydrogen	Sulphur
LCS1	0	0.7547570467	0	0
LCS2	0	0.7871138453	0	0
LCS3	0	0.8304825425	0	0
LCS4	0	0.8115352988	0	0

4 Sample(s) in Group No : 2

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.7959722	0.032713	4.109761	0.001070
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

LCS Recovery = 79.59.722 / 8500 = 94%

Group No : 3

Sample Name	Element % Nitrogen	Carbon	Hydrogen	Sulphur
600216	0	0.2567190528	0	0
600216	0	0.2174566984	-3.277755976	0
600216	0	0.2819473147	0	0

3 Sample(s) in Group No : 3

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.252041	0.032499	12.894260	0.001056
Hydrogen	-1.092585	1.892413	-173.205100	3.581228
Sulphur	0	0.000000	0.000000	0.000000

Group No : 4 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600217	0	0.3069195449	0	0
600217	0	0.259986043	0	0
600217	0	0.3448897004	-1.982478738	0

3 Sample(s) in Group No : 4

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.3039318	0.042531	13.993470	0.001809
Hydrogen	-.6608263	1.144585	-173.205100	1.310074
Sulphur	0	0.000000	0.000000	0.000000

Group No : 5 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600218	0	0.9720295072	0	0
600218	0	0.9213377833	0	0
600218	0	1.033632994	0	0

3 Sample(s) in Group No : 5

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.9756668	0.056236	5.763843	0.003162
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 6 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600219	0	0.9020095468	0	0
600219	0	0.860209167	-0.5555527806	0
600219	0	0.8542149067	0	0

3 Sample(s) in Group No : 6

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.8721445	0.026037	2.985392	0.000678
Hydrogen	-.1851843	0.320749	-173.205100	0.102880
Sulphur	0	0.000000	0.000000	0.000000

Group No : 7 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600220	0	0.5226324201	-0.04584660381	0
600220	0	0.5758633614	-2.622145653	0
600220	0	0.6646723151	0	0

3 Sample(s) in Group No : 7

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.5877227	0.071759	12.209620	0.005149
Hydrogen	-.8893307	1.500837	-168.760300	2.252511
Sulphur	0	0.000000	0.000000	0.000000

Group No : 8 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600221	0	0.8795632124	0	0
600221	0	0.7262179255	0	0
600221	0	0.7800095677	0	0

3 Sample(s) in Group No : 8

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.7952636	0.077802	9.783217	0.006053
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 9 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600221MS	0.5447425842	3.547234297	0	0
600221MS	0.6694432497	3.377231598	-2.861107826	0
600221MS	0	6.05347538	0	0

3 Sample(s) in Group No : 9

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.4047286	0.356008	87.962080	0.126741
Carbon	4.32598	1.498467	34.638790	2.245404
Hydrogen	-.9537026	1.651861	-173.205100	2.728646
Sulphur	0	0.000000	0.000000	0.000000

Group No : 10

Sample Name	Element % Nitrogen	Carbon	Hydrogen	Sulphur
600221DP	0	0.5979808569	-2.481904268	0
600221DP	0	0.6593925357	-2.686381817	0
600221DP	0	0.6550052762	-2.692832708	0

3 Sample(s) in Group No : 10

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.6374596	0.034260	5.374436	0.001174
Hydrogen	-2.620373	0.119961	-4.578003	0.014391
Sulphur	0	0.000000	0.000000	0.000000

Group No : 11

Sample Name	Element % Nitrogen	Carbon	Hydrogen	Sulphur
600222	0.5336766839	1.537213445	0	0
600222	0	0.9402164221	-2.884812117	0
600222	0	4.991339207	0	0

3 Sample(s) in Group No : 11

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.1778922	0.308118	173.205100	0.094937
Carbon	2.48959	2.187045	87.847600	4.783165
Hydrogen	-.9616041	1.665547	-173.205100	2.774047
Sulphur	0	0.000000	0.000000	0.000000

Group No : 12

Sample Name	Element % Nitrogen	Carbon	Hydrogen	Sulphur
600223	0	0.3350566924	-2.552041292	0
600223	1.044697404	0.3719376624	-4.499869823	0
600223	0	0.3241661489	0	0

3 Sample(s) in Group No : 12

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.3482325	0.603156	173.205100	0.363798
Carbon	.3437202	0.025036	7.283948	0.000627
Hydrogen	-2.350637	2.256685	-96.003150	5.092630
Sulphur	0	0.000000	0.000000	0.000000

Group No : 13 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600224	0	0.3007199168	-3.535863161	0
600224	0.6845989227	0.211218372	-2.949850798	0
600224	0.6995701194	0.2840240896	-3.011830568	0

3 Sample(s) in Group No : 13

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.4613897	0.399645	86.617740	0.159716
Carbon	.2653208	0.047592	17.937500	0.002265
Hydrogen	-3.165848	0.321937	-10.169070	0.103644
Sulphur	0	0.000000	0.000000	0.000000

Group No : 14 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600225	0	0.8180106878	-2.541822433	0
600225	0.8038343787	0.7555078864	-3.442764521	0
600225	0	0.9432561994	-3.673186541	0

3 Sample(s) in Group No : 14

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.2679448	0.464094	173.205100	0.215383
Carbon	.8389249	0.095606	11.396190	0.009140
Hydrogen	-3.219258	0.597882	-18.572040	0.357463
Sulphur	0	0.000000	0.000000	0.000000

Group No : 15 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600226	0	0.2511703372	-3.743950844	0
600226	0	0.3040046096	-3.601703882	0
600226	0	0.2441170216	-1.334695935	0

3 Sample(s) in Group No : 15

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.2664306	0.032731	12.284830	0.001071
Hydrogen	-2.89345	1.351793	-46.719070	1.827345
Sulphur	0	0.000000	0.000000	0.000000

Group No : 16 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600412	1.229226232	10.84191895	0	0
600412	0	5.63791132	-3.789458275	0
600412	1.277074575	6.242033958	-4.960404396	0

3 Sample(s) in Group No : 16

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.8354336	0.723902	86.649870	0.524034
Carbon	7.573955	2.846214	37.578970	8.100934
Hydrogen	-2.916621	2.592834	-88.898550	6.722787
Sulphur	0	0.000000	0.000000	0.000000

Group No : 17 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600413	0	1.331701279	0	0
600413	0	2.005399466	-5.146990776	0
600413	0.9583711028	2.273229599	-3.991987467	0

3 Sample(s) in Group No : 17

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.319457	0.553316	173.205100	0.306158
Carbon	1.87011	0.485125	25.940990	0.235346
Hydrogen	-3.046326	2.700664	-88.653150	7.293585
Sulphur	0	0.000000	0.000000	0.000000

Group No : 18 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600414	0	1.719890594	-4.088320255	0
600414	0	2.288919687	0	0
600414	0	2.637886524	0	0

3 Sample(s) in Group No : 18

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	2.215566	0.463373	20.914440	0.214715
Hydrogen	-1.362773	2.360393	-173.205100	5.571454
Sulphur	0	0.000000	0.000000	0.000000

Group No : 19

Sample Name	Element % Nitrogen	Carbon	Hydrogen	Sulphur
600415	0	4.046926975	0	0
600415	0	5.253684044	0	0
600415	0	4.981263161	0	0

3 Sample(s) in Group No : 19

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	4.760625	0.632911	13.294710	0.400577
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

TOC by Lloyd Kahn

Low Level Concentration Converter

Calibration Date = 12/2/04

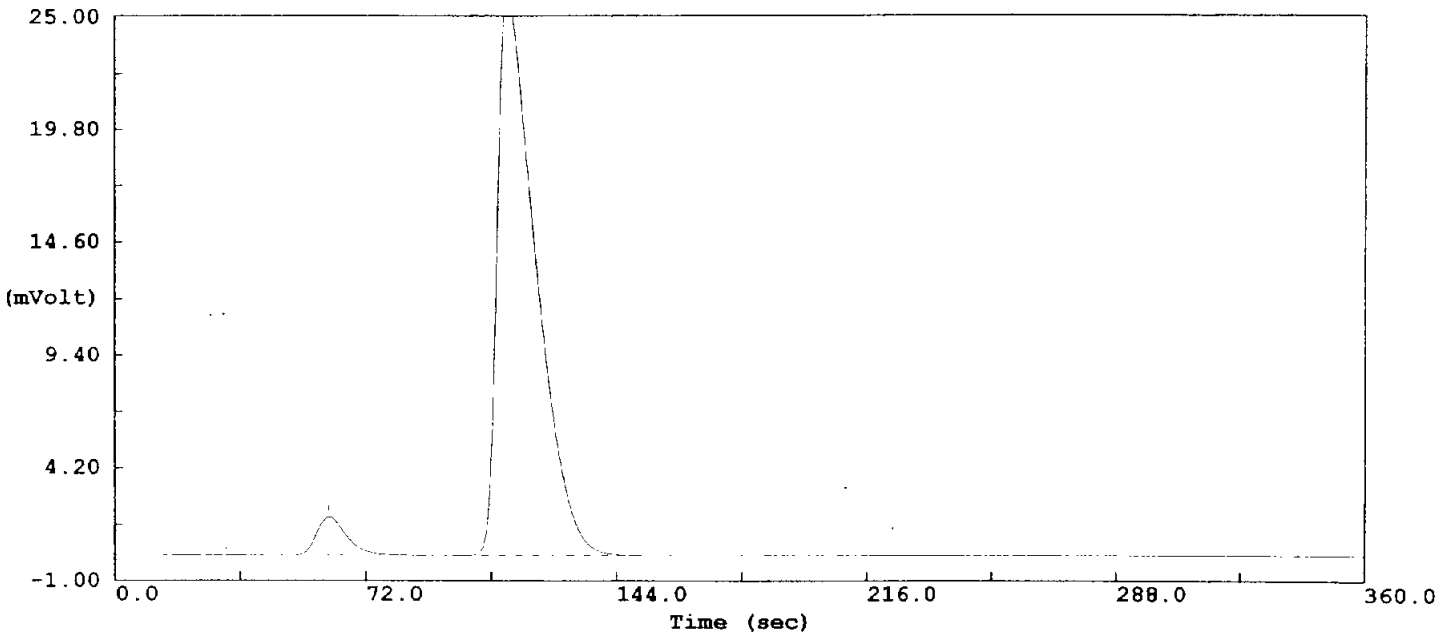
Cal Std	Area	Sample Wgt.	% Carbon	Carbon Wgt.
Low Std	134126	0.045	41.84	0.018828

Slope of one point calibration = 7123751.859

Analysis Date(s): 12/6/04
Reporting Limit: 500 mg/Kg

Sample ID	Area	Sample Wgt.	TOC mg/Kg	AVERAGE
BLANK	7875	30	36.84856031	
BLANK	8531	30	39.91810387	
PBS	11511	5	323.1724021	
PBS	8359	5	234.6797071	
PBS	8036	5	225.6114519	261.1545204
600216	98697	5.175	2677.224647	
600216	92792	5.749	2265.736722	
600216	126910	6.04	2949.511693	2630.824354
BLANK	8582	30	40.15674217	
BLANK	8152	30	38.1446938	
600217	110177	4.825	3205.419258	
600217	179641	9.242	2728.54246	
600217	217690	8.431	3624.520887	3186.160868
BLANK	8556	30	40.03508343	
BLANK	8608	30	40.27840091	
BLANK	8380	30	39.21154735	
BLANK	8513	30	39.83387859	
600224	147372	6.566	3150.687397	
600224	123909	7.874	2209.014966	
600224	163359	7.699	2978.516178	2779.40618
BLANK	9249	30	43.27775674	
BLANK	8244	30	38.57517856	
600226	115629	6.184	2624.753391	
600226	146203	6.444	3184.8719	
600226	134341	7.38	2555.309041	2788.311444
BLANK	9645	30	45.13071291	
BLANK	10374	30	48.54183678	
BLANK	8856	30	41.43883811	
BLANK	9150	30	42.81451769	

Eager 200 Strip-Chart



Filename C:\EAW\N120201.DAT
Sample name :ByPass Analysed :12-02-04 12:03

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:03	Printed	: 12/6/2004 12:31

Sample ID	: ByPass (# 1)	Channel	: Channel B
Analysis Type	: By-Pass (Area)	Sample weight	:---
Chromatogram	: C:\EAW\N120201.DAT		

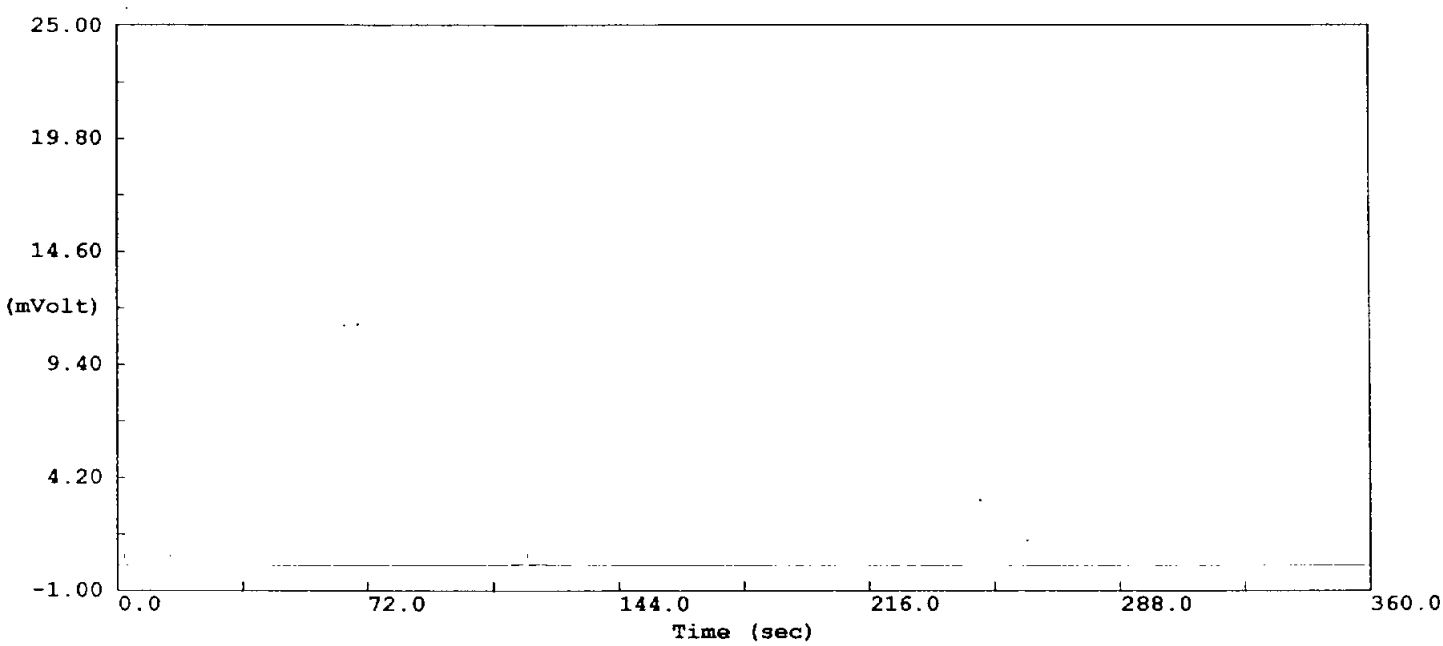
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	113	3314308	RS	1.000000

01813

Eager 200 Strip-Chart



Filename C:\EAW\N120202.DAT
Sample name :BLANK Analysed :12-02-04 12:09

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:09	Printed	: 12/6/2004 12:31

Sample ID	: BLANK (# 2)	Channel	: Channel B
Analysis Type	: Blank (Area)	Sample weight	:---
Chromatogram	: C:\EAW\N120202.DAT		

Calib. method : using 'Least Squares to Linear fit'

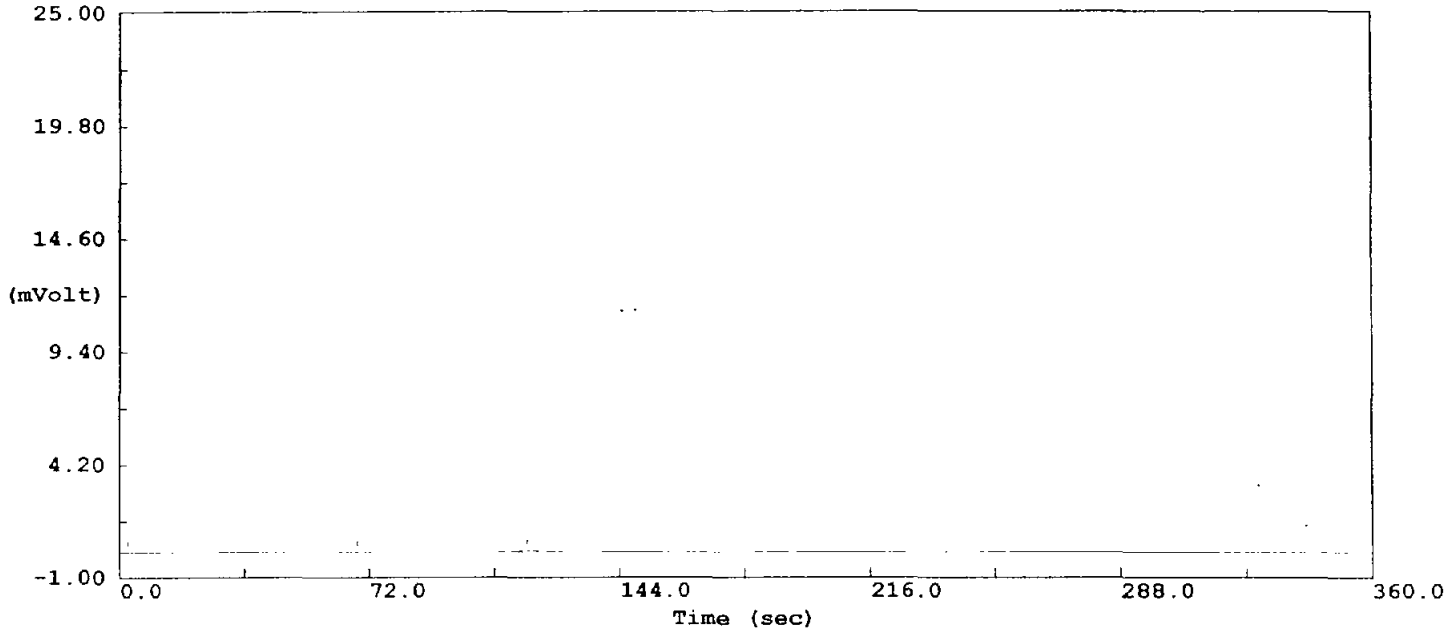
!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	118	7743	RS	1.000000

Element Name	Ret.Time	Blank avg.	Level
Nitrogen	44	0.0	0
Carbon	120	7743.0	1

Hydrogen	186	0.0	0
Sulphur	418	0.0	0

Eager 200 Strip-Chart



Filename C:\EAW\N120203.DAT
Sample name :BLANK Analysed :12-02-04 12:15

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:15	Printed	: 12/6/2004 12:31

Sample ID	: BLANK (# 3)	Channel	: Channel B
Analysis Type	: Blank (Area)	Sample weight	:---
Chromatogram	: C:\EAW\N120203.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

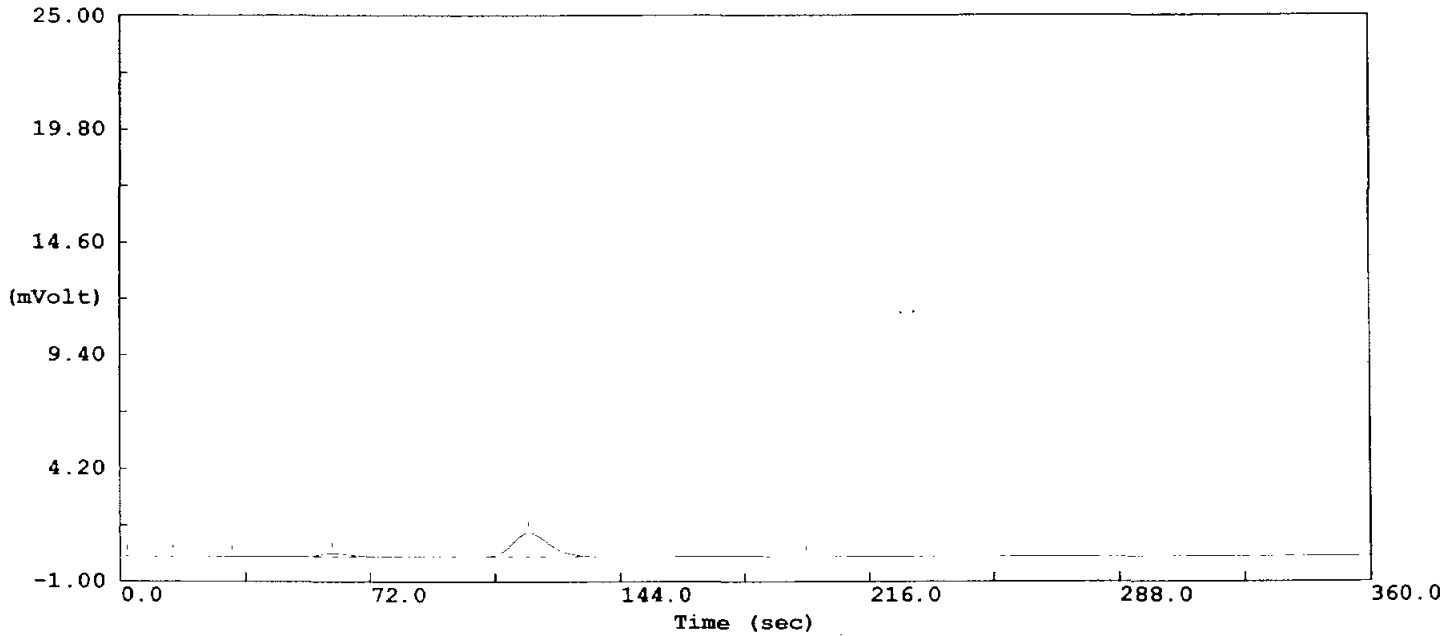
Element Name	Element %	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	118	7586	RS	1.000000

Element Name	Ret.Time	Blank avg.	Level
Nitrogen	44	0.0	0
Carbon	120	7664.5	2

 Sample: BLANK (N120203)

Hydrogen	186	0.0	0
Sulphur	418	0.0	0

Eager 200 Strip-Chart



Filename C:\EAW\N120204.DAT
Sample name :SULPHANILAMIDE Analysed :12-02-04 12:21

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:21	Printed	: 12/6/2004 12:31

Sample ID	: SULPHANILAMIDE (# 4)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: .045
Chromatogram	: C:\EAW\N120204.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

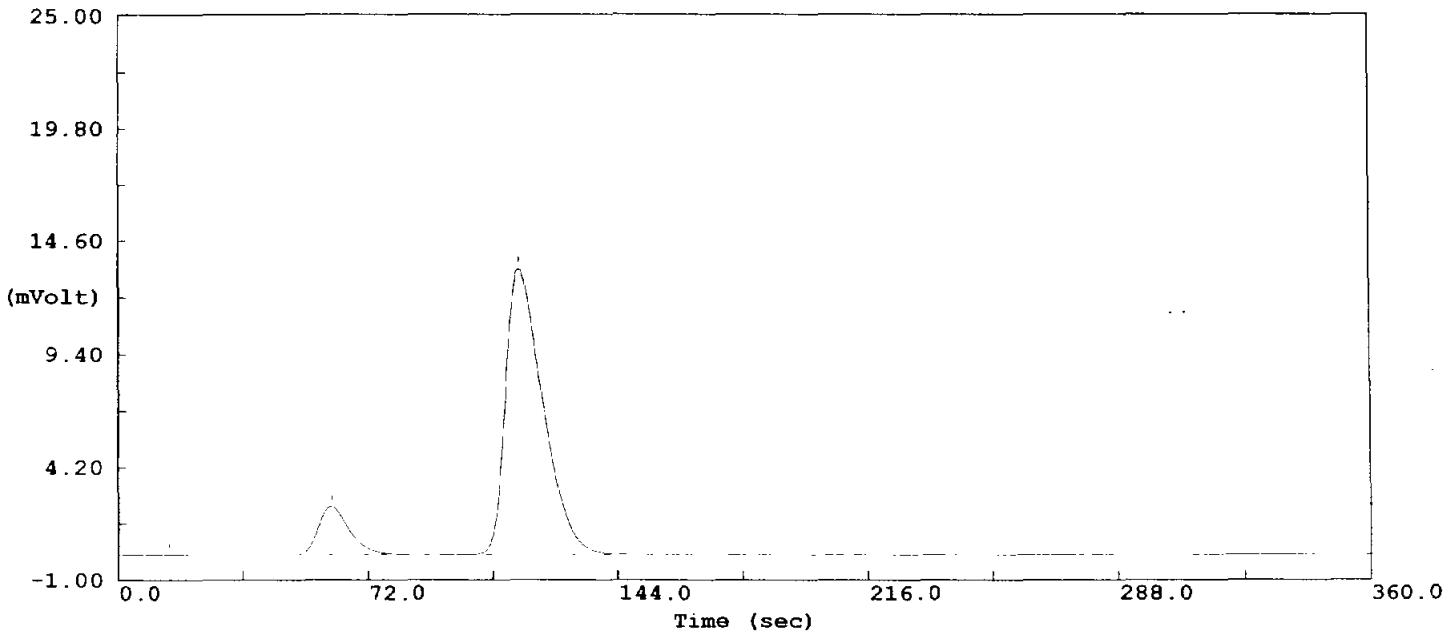
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	118	134126	RS	1.000000	
Hydrogen	4.6800	198	2	RS	67063.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

Nitrogen	44	....	....	0
Carbon	120	....	....	1
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\N120205.DAT
Sample name :SULPHANILAMIDE Analysed :12-02-04 12:27

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:27	Printed	: 12/6/2004 12:31

Sample ID	: SULPHANILAMIDE (# 5)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: .515
Chromatogram	: C:\EAW\N120205.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

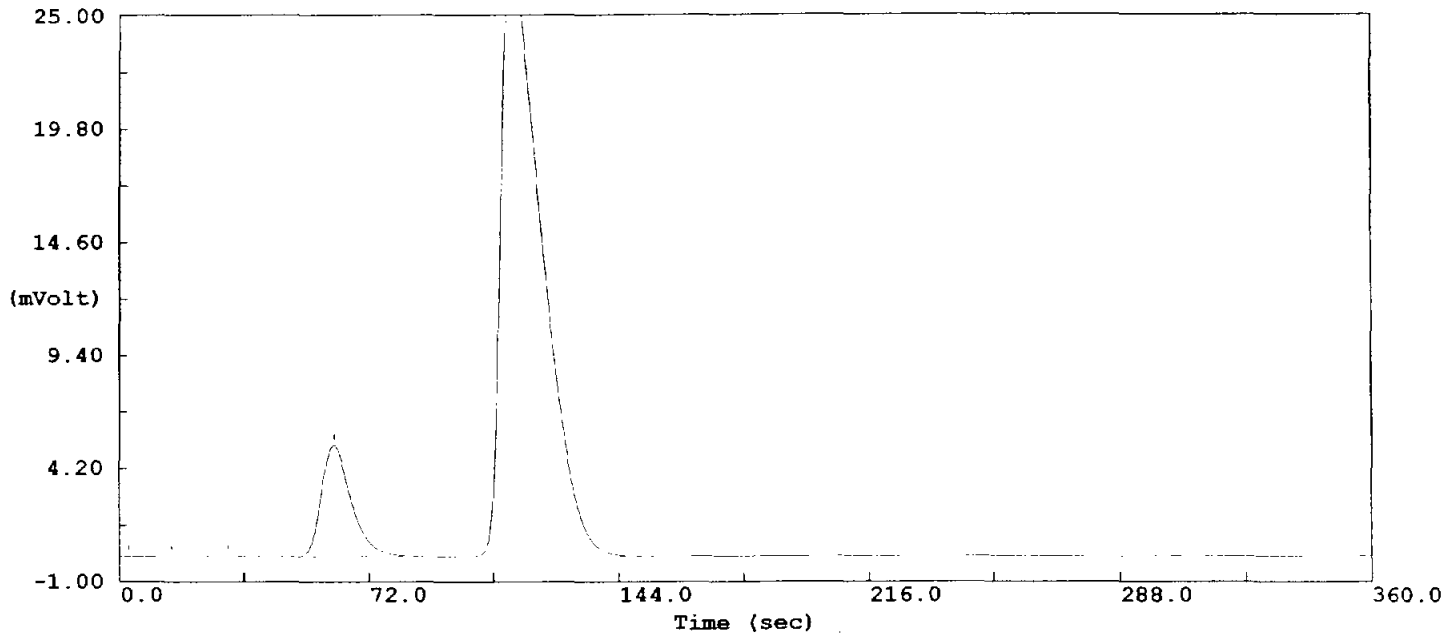
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	116	1631518	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

Nitrogen	44	....	....	0
Carbon	120	7.614581E+06	-9.241319E+03	2
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\N120206.DAT
Sample name :SULPHANILAMIDE Analysed :12-02-04 12:33

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:33	Printed	: 12/6/2004 12:32

Sample ID	: SULPHANILAMIDE (# 6)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: 1.155
Chromatogram	: C:\EAW\N120206.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

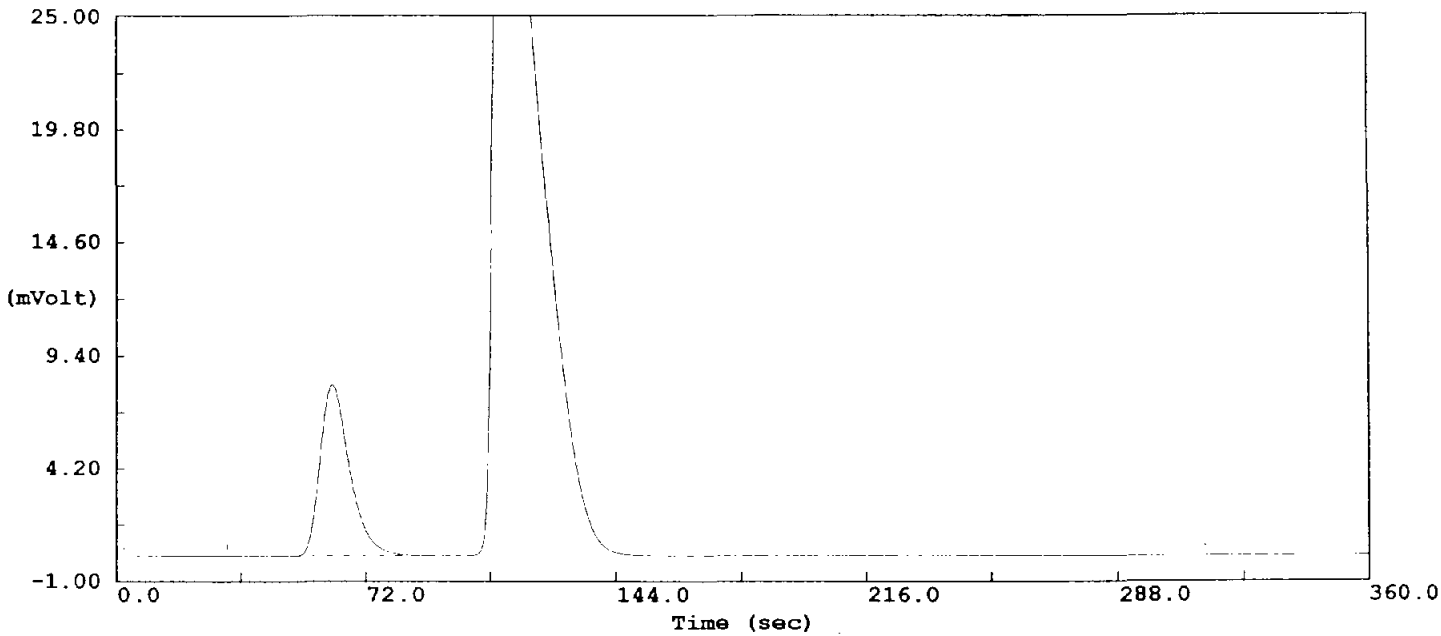
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	113	3642547	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

Nitrogen	44	....	....	0
Carbon	120	7.551764E+06	-3.540856E+03	3
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\N120207.DAT
Sample name :SULPHANILAMIDE Analysed :12-02-04 12:39

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:39	Printed	: 12/6/2004 12:32

Sample ID	: SULPHANILAMIDE (# 7)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: 1.775
Chromatogram	: C:\EAW\N120207.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

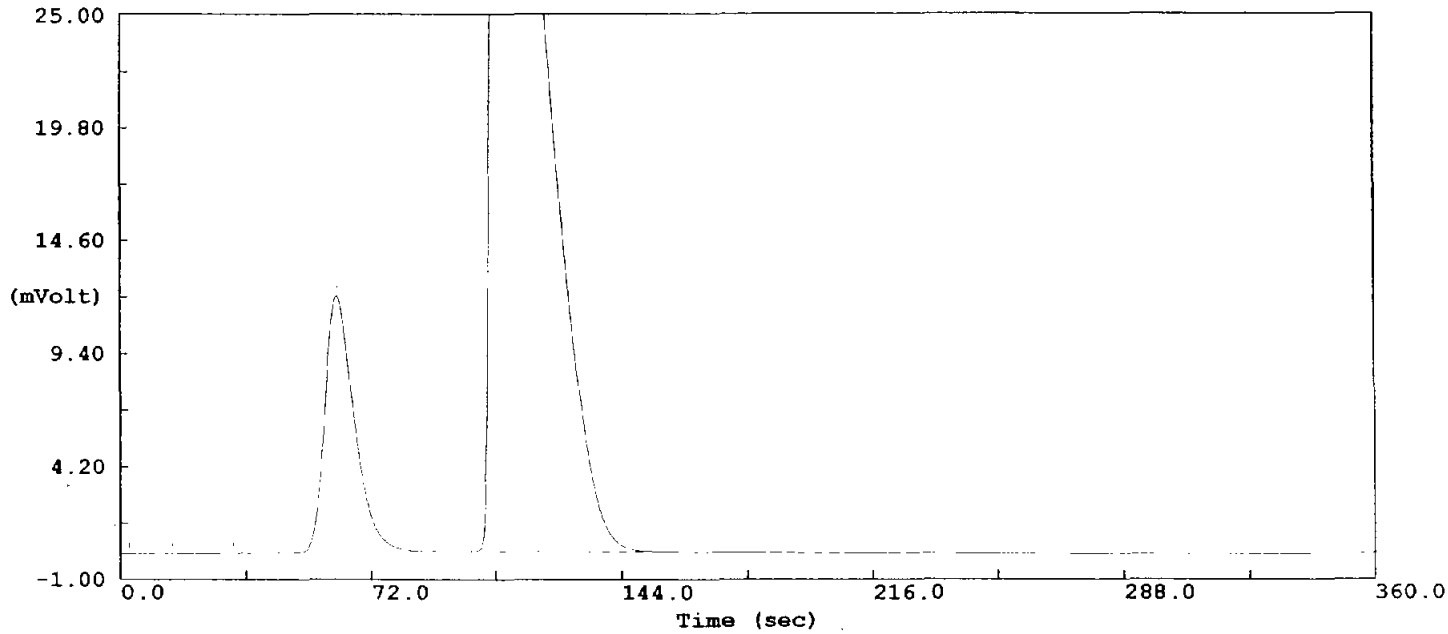
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	112	5585661	FU	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

Nitrogen	44	....	....	0
Carbon	120	7.527512E+06	5.145490E+02	4
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\N120208.DAT
Sample name :SULPHANILAMIDE Analysed :12-02-04 12:46

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:46	Printed	: 12/6/2004 12:32

Sample ID	: SULPHANILAMIDE (# 8)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: 2.605
Chromatogram	: C:\EAW\N120208.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

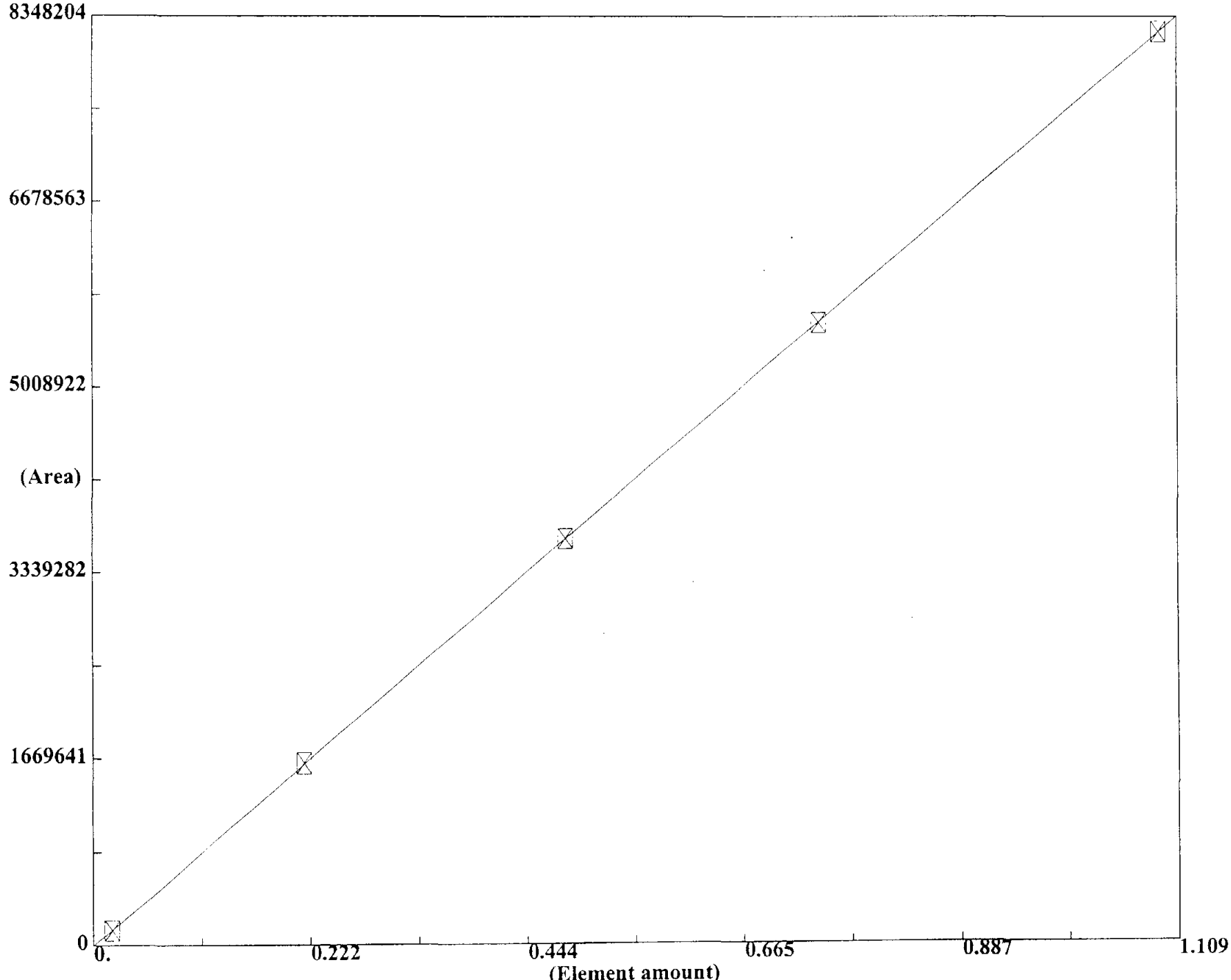
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	109	8214078	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

Nitrogen	44	....	....	0
Carbon	120	7.534840E+06	-1.405447E+03	5
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

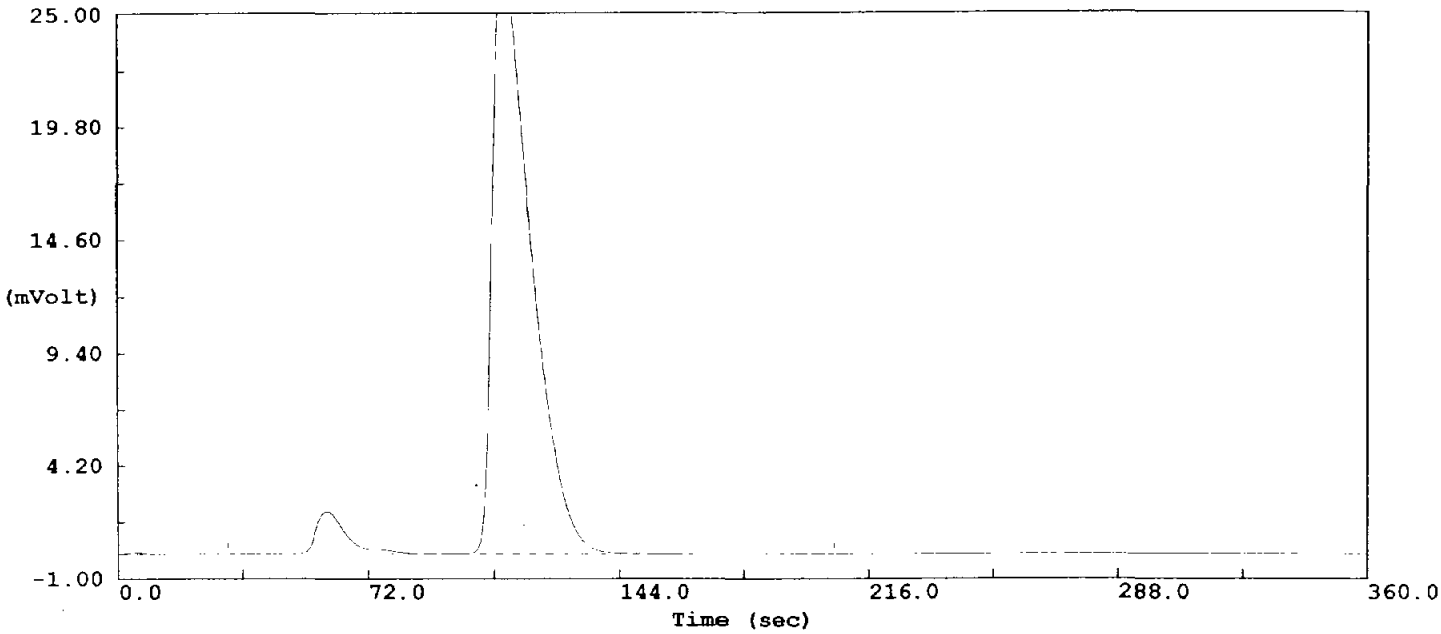
NA1500 Eager 200 Calibration 12/02/04



Component name : Carbon (Linear fit) Kb=7534840 Kc=-1405.447 CF=0.9999948

47682 46

Eager 200 Strip-Chart



Filename C:\EAW\N120609.DAT
Sample name :ACETANILIDE Analysed :12-06-04 12:42

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 12:42	Printed	: 12/6/2004 12:48

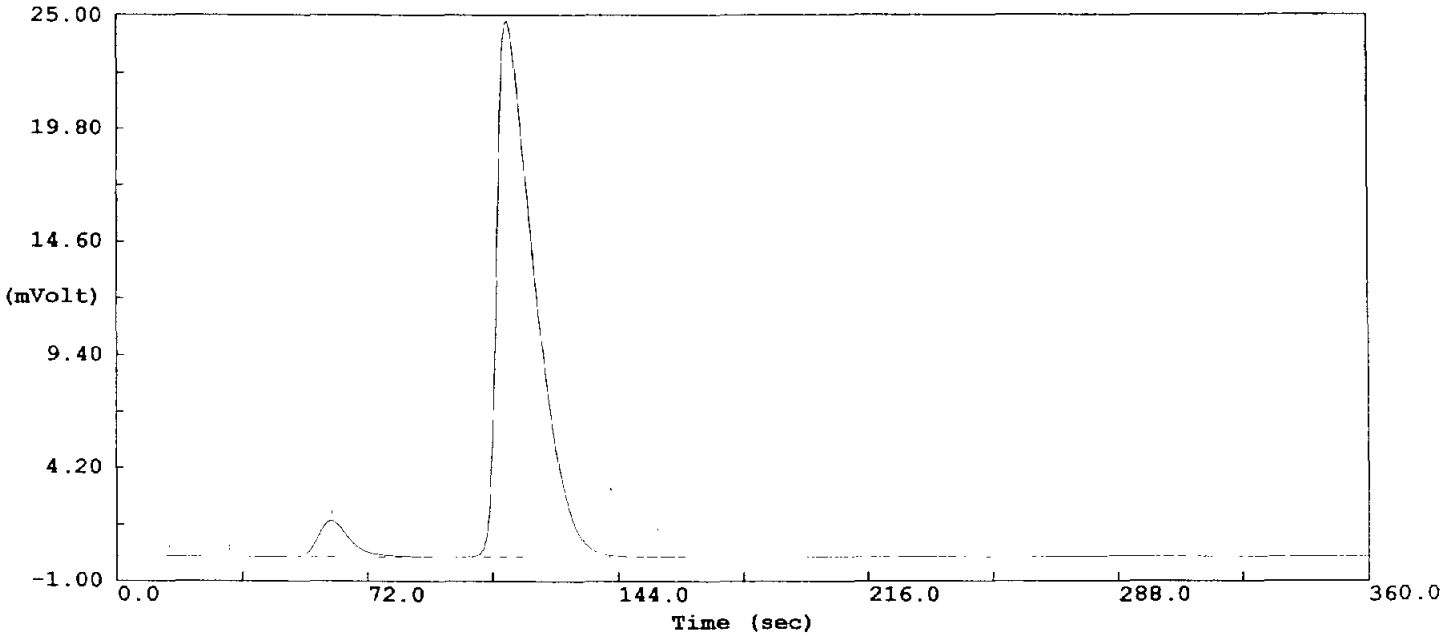
Sample ID	: ACETANILIDE (# 9)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .688
Chromatogram	: C:\EAW\N120609.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	68.5542	111	3552423	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120610.DAT
Sample name :ACETANILIDE Analysed :12-06-04 12:48

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 12:48	Printed	: 12/6/2004 12:54

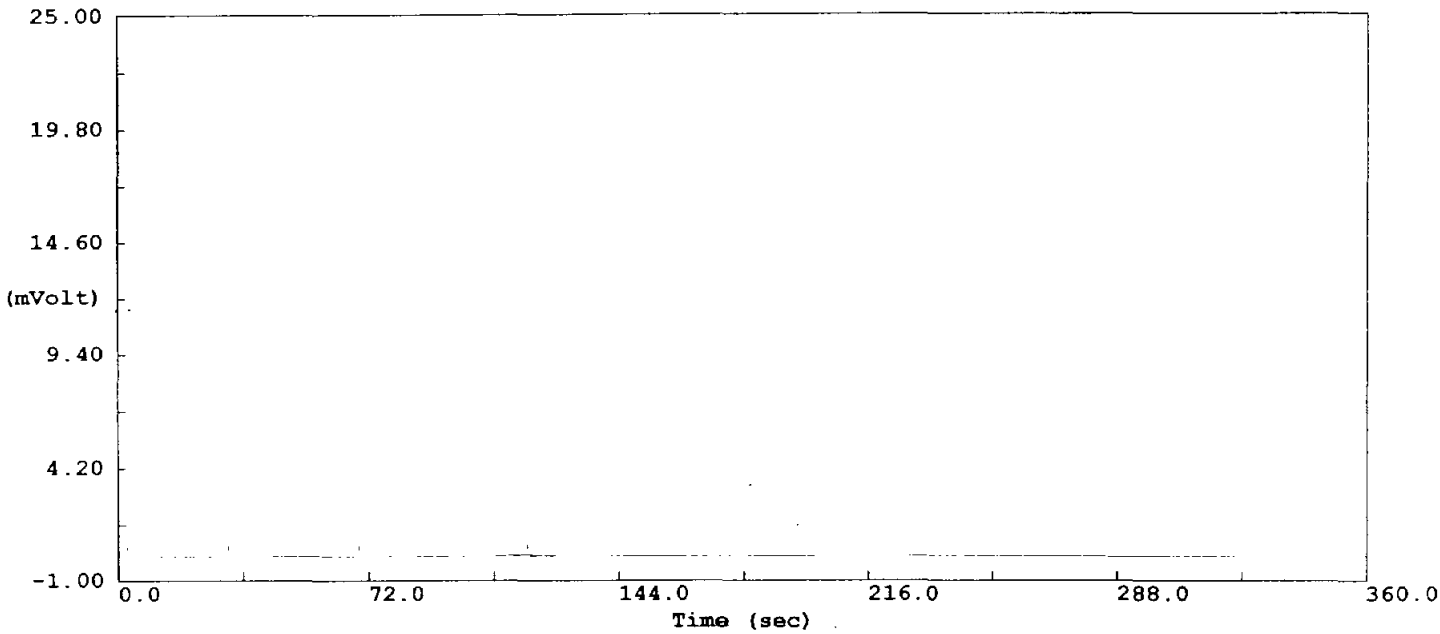
Sample ID	: ACETANILIDE (# 10)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .582
Chromatogram	: C:\EAW\N120610.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	70.8884	113	3107247	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120611.DAT
Sample name :BLANK Analysed :12-06-04 12:54

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1206.MTH
Analysed : 12-06-04 12:54
Printed : 12/6/2004 13:00

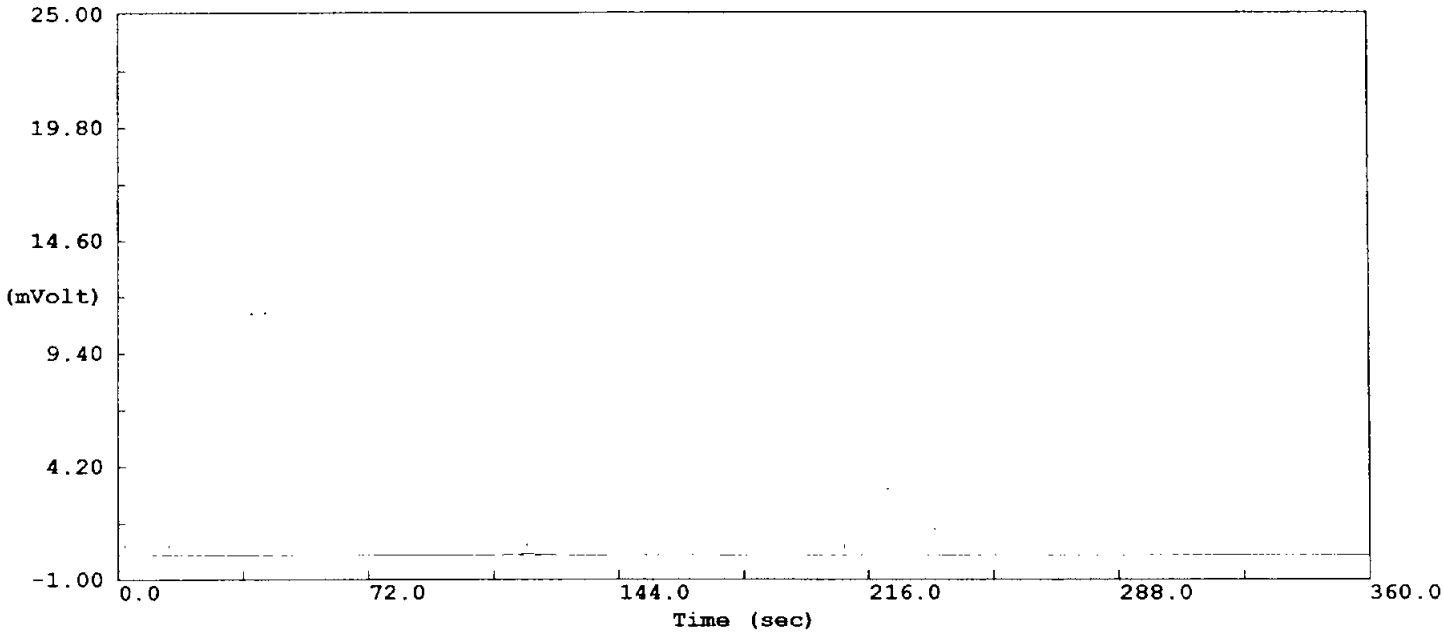
Sample ID : BLANK (# 11)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 30
Chromatogram : C:\EAW\N120611.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0041	118	7875	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120612.DAT
Sample name :BLANK Analysed :12-06-04 13:00

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:00	Printed	: 12/6/2004 13:07

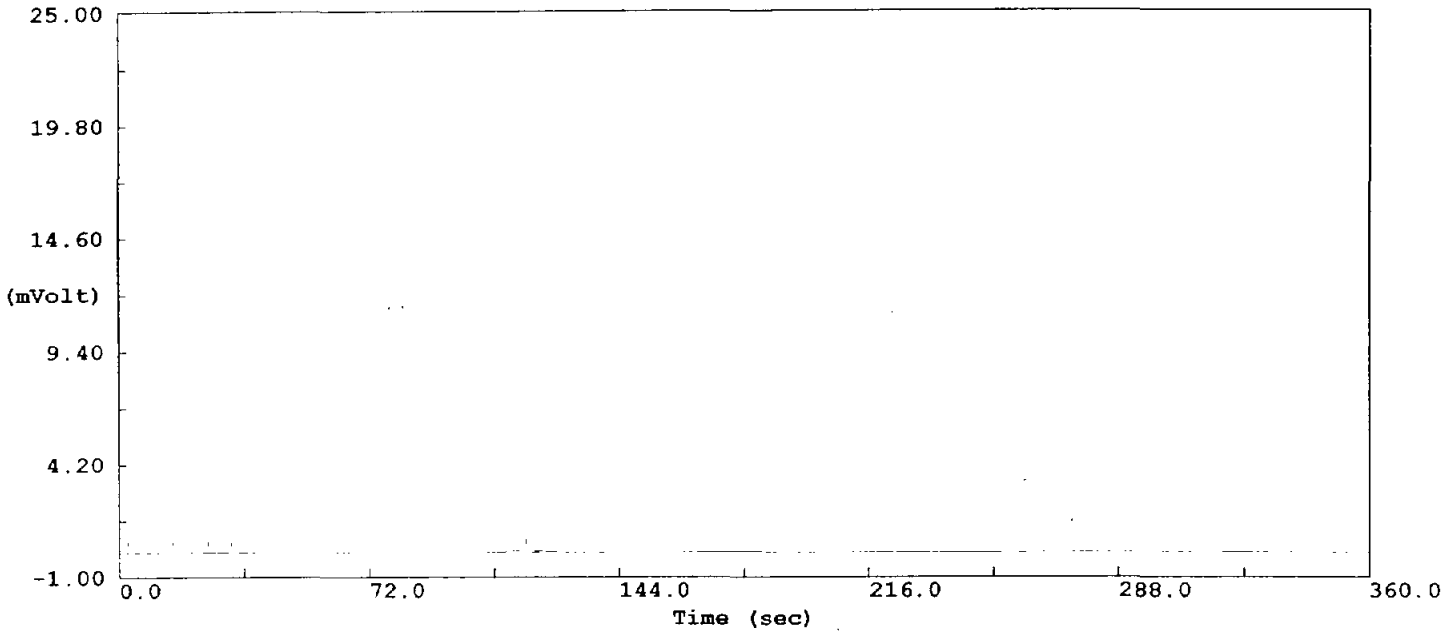
Sample ID	: BLANK (# 12)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120612.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0044	118	8531	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120613.DAT
Sample name :PBS1 Analysed :12-06-04 13:07

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:07	Printed	: 12/6/2004 13:13

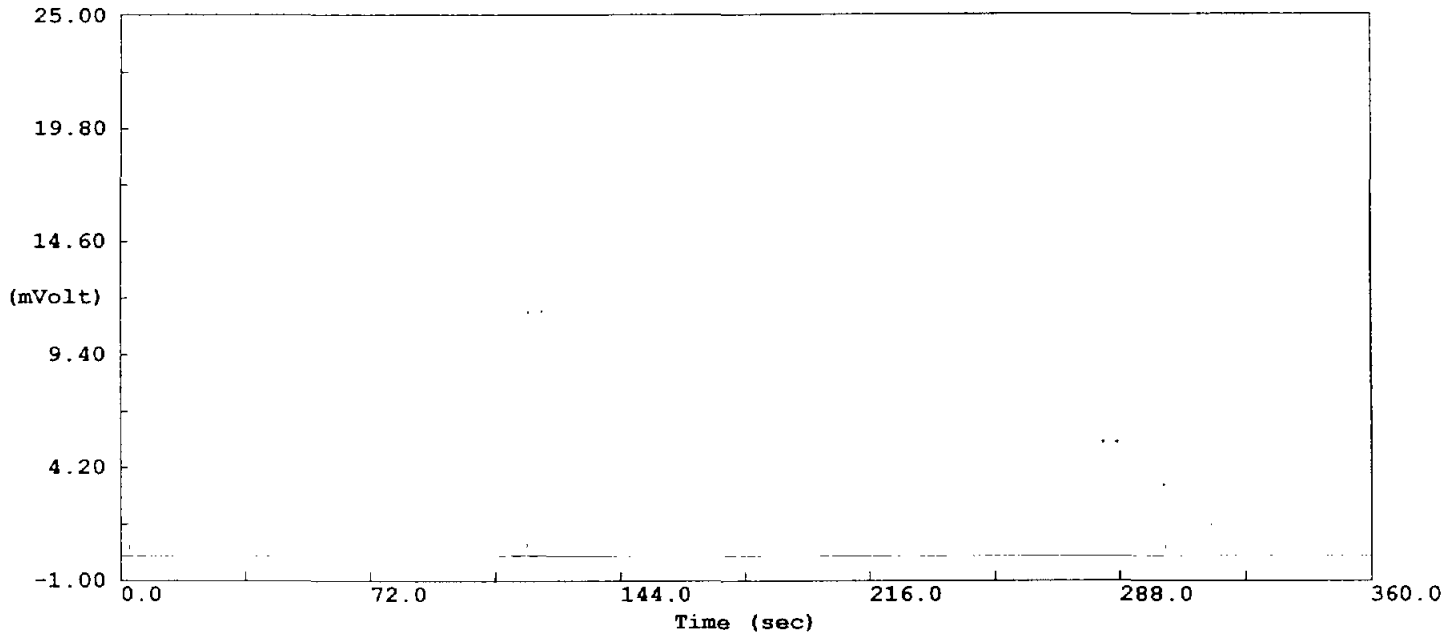
Sample ID	: PBS1 (# 13)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5
Chromatogram	: C:\EAW\N120613.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0343	117	11511	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120614.DAT
Sample name :PBS2 Analysed :12-06-04 13:13

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:13	Printed	: 12/6/2004 13:19

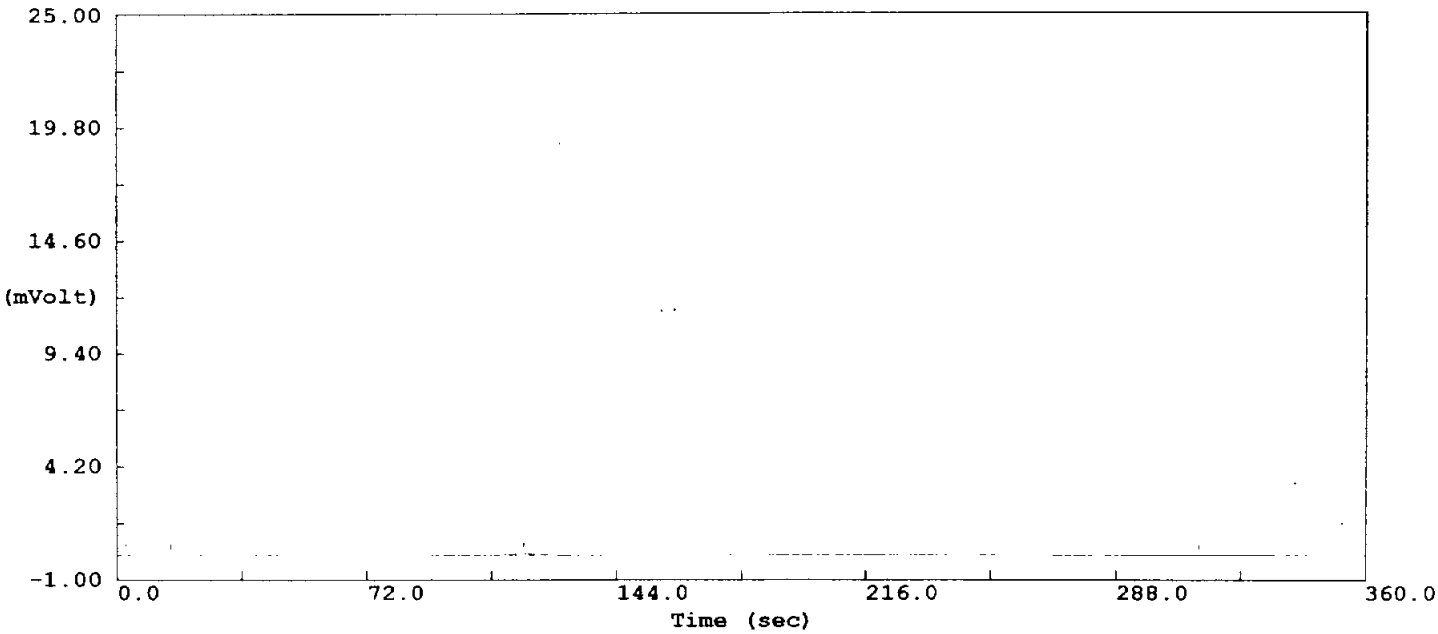
Sample ID	: PBS2 (# 14)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5
Chromatogram	: C:\EAW\N120614.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0259	117	8359	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120615.DAT
Sample name :PBS3 Analysed :12-06-04 13:19

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:19	Printed	: 12/6/2004 13:25

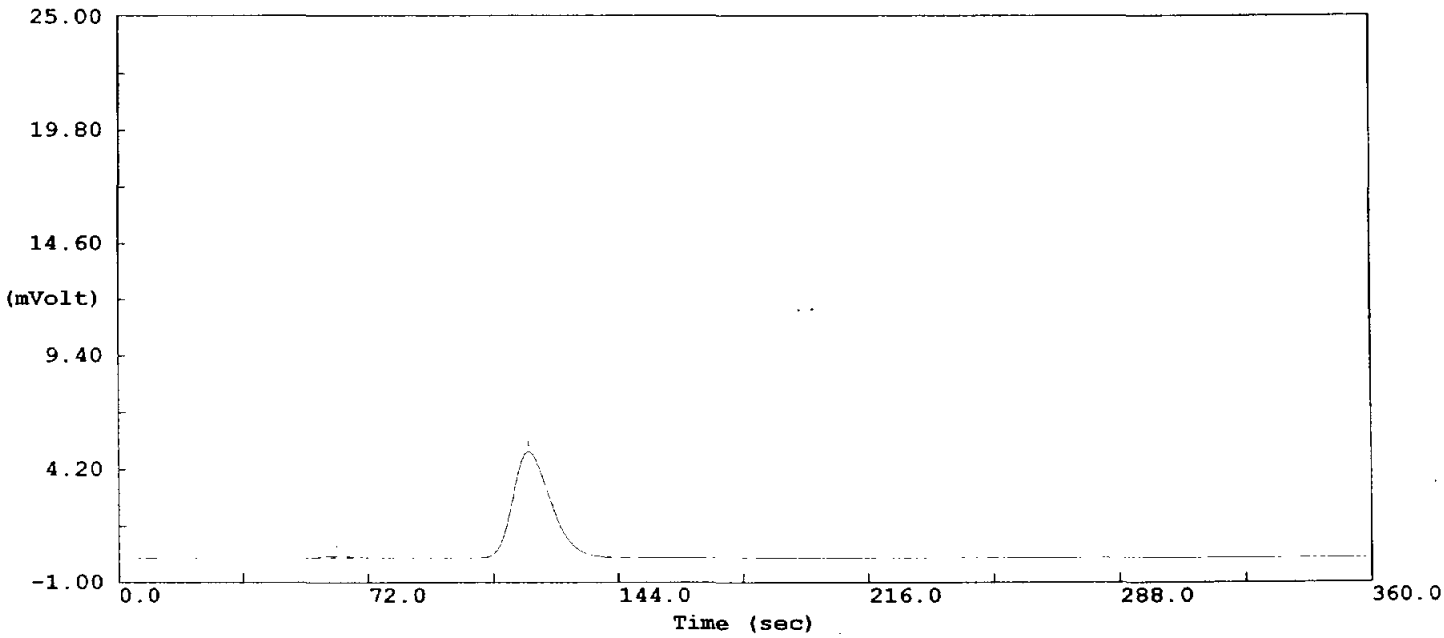
Sample ID	: PBS3 (# 15)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5
Chromatogram	: C:\EAW\N120615.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0251	117	8036	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120616.DAT
Sample name :LCS1 Analysed :12-06-04 13:25

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:25	Printed	: 12/6/2004 13:31

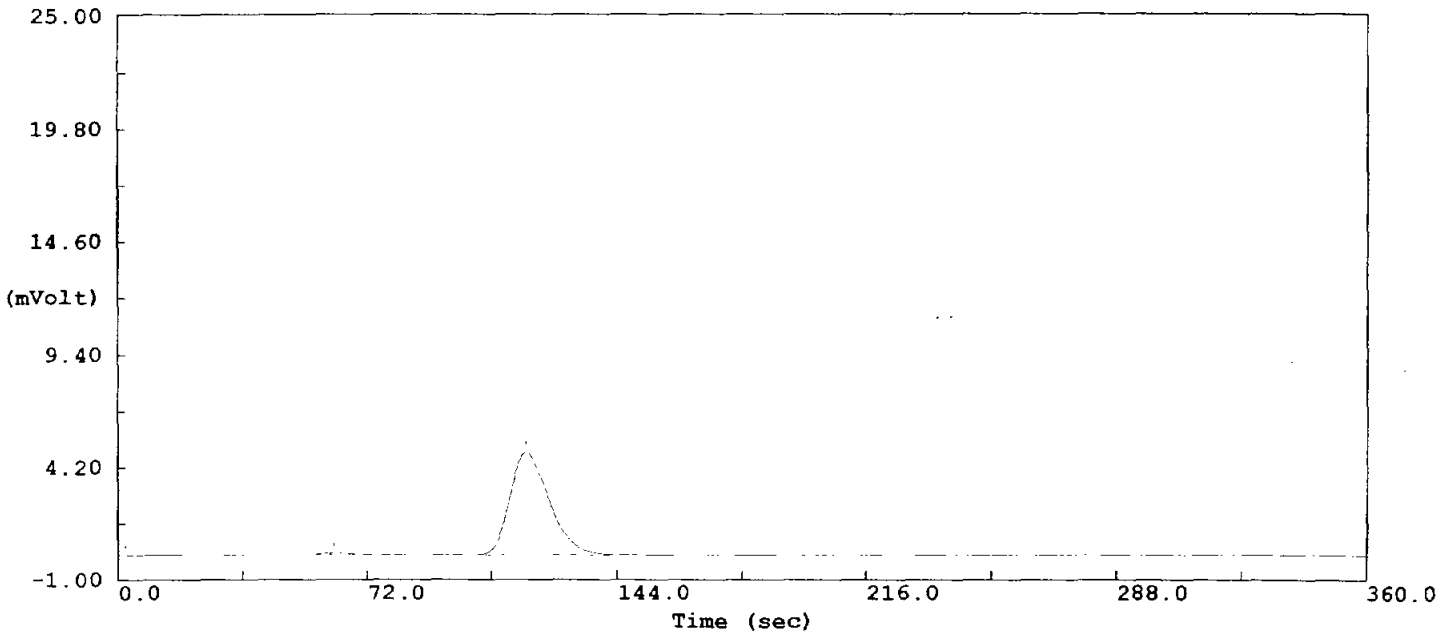
Sample ID	: LCS1 (# 16)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 10.882
Chromatogram	: C:\EAW\N120616.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7548	118	617451	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120617.DAT
Sample name :LCS2 Analysed :12-06-04 13:31

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:31	Printed	: 12/6/2004 13:37

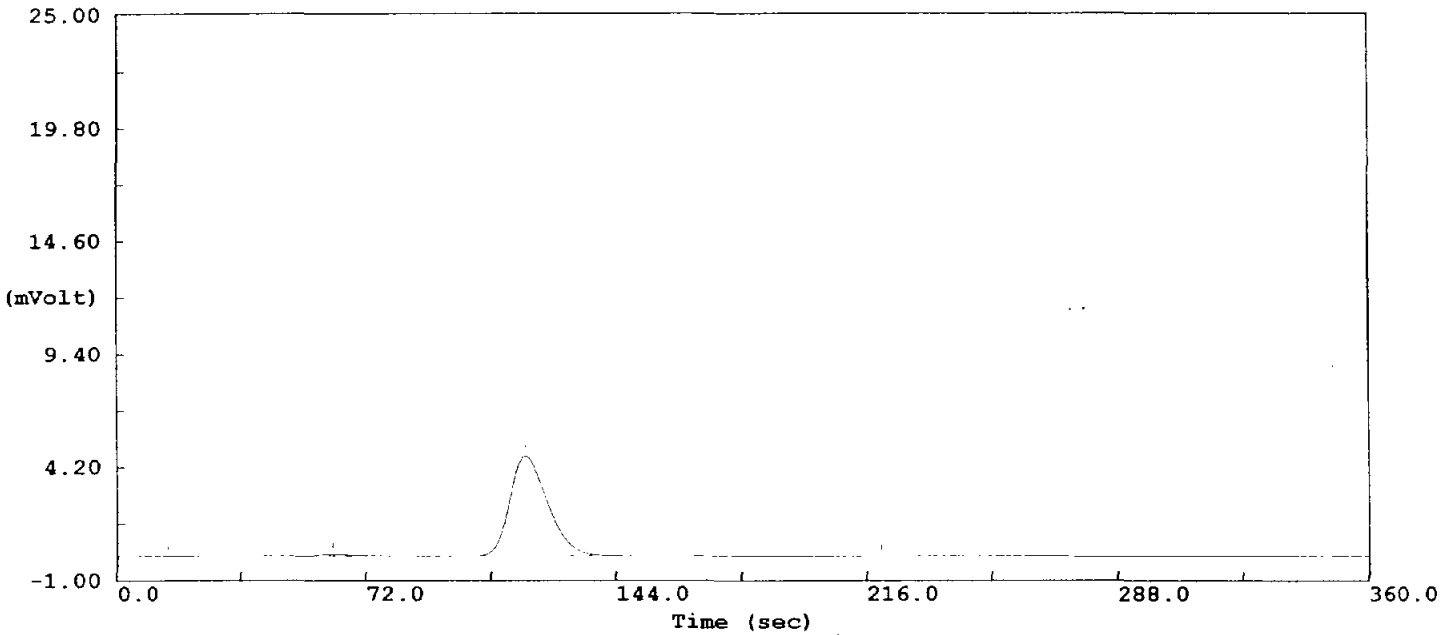
Sample ID	: LCS2 (# 17)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 10.298
Chromatogram	: C:\EAW\N120617.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7871	118	609346	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120618.DAT
Sample name :LCS3 Analysed :12-06-04 13:37

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:37	Printed	: 12/6/2004 13:43

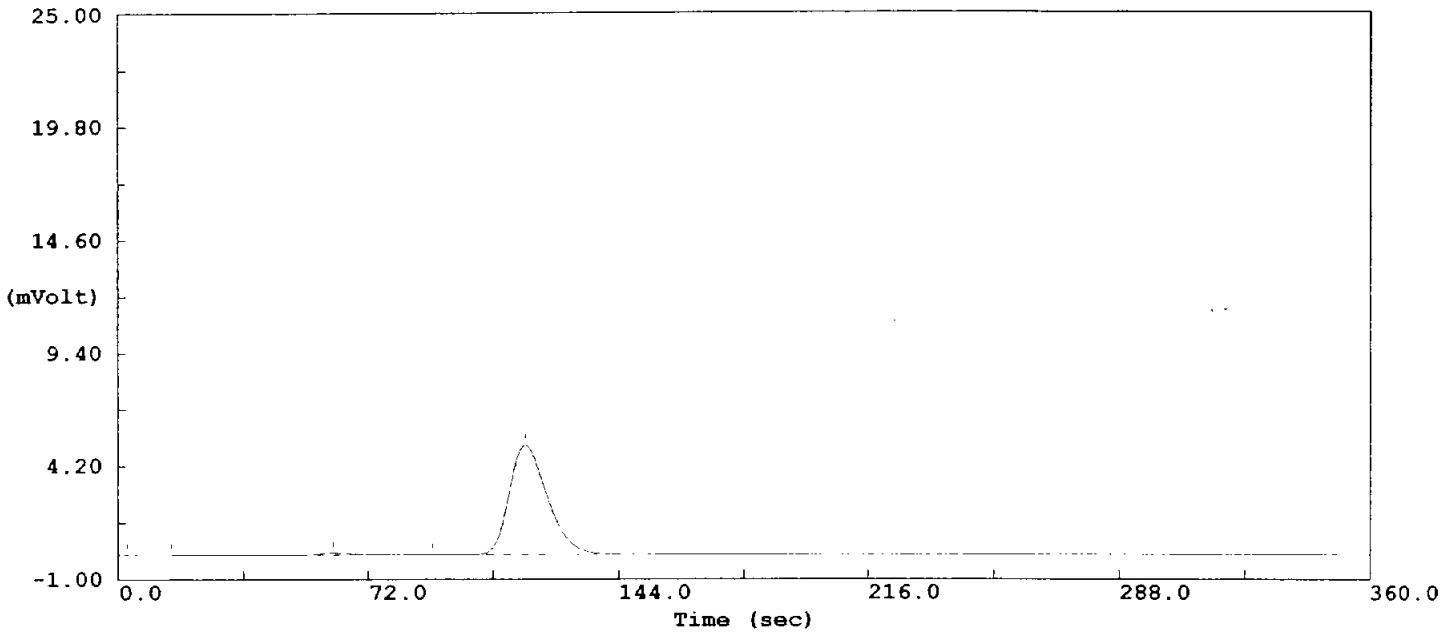
Sample ID	: LCS3 (# 18)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.055
Chromatogram	: C:\EAW\N120618.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8305	118	565216	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120619.DAT
Sample name :LCS4 Analysed :12-06-04 13:43

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:43	Printed	: 12/6/2004 13:49

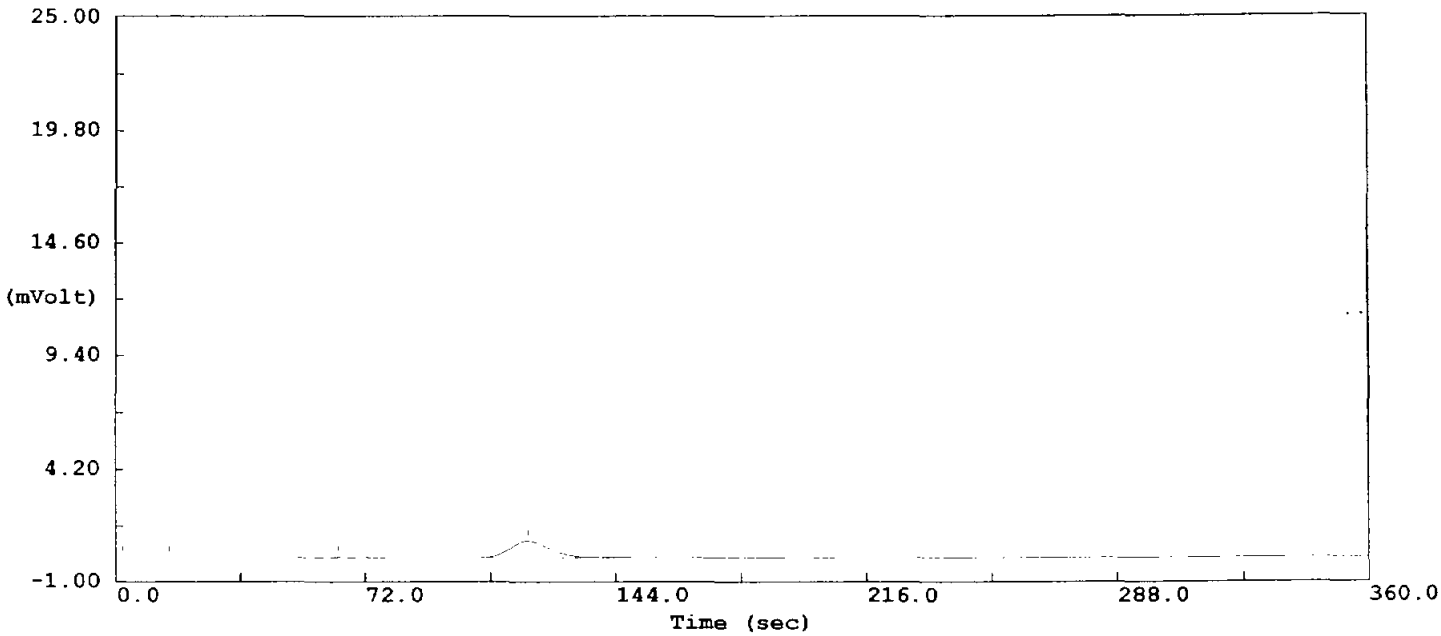
Sample ID	: LCS4 (# 19)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 10.085
Chromatogram	: C:\EAW\N120619.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8115	117	615271	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120620.DAT
Sample name :600216 Analysed :12-06-04 13:49

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:49	Printed	: 12/6/2004 13:55

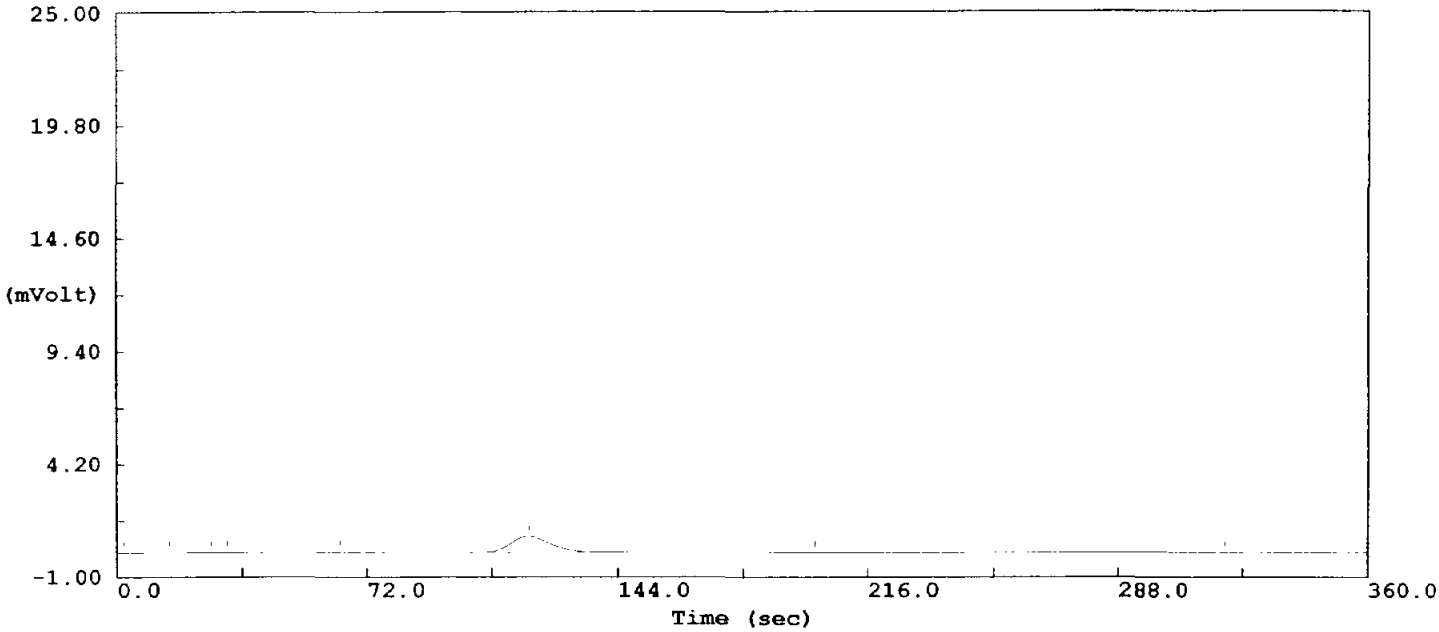
Sample ID	: 600216 (# 20)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.175
Chromatogram	: C:\EAW\N120620.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2567	119	98697	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120621.DAT
Sample name :600216 Analysed :12-06-04 13:55

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:55	Printed	: 12/6/2004 14:01

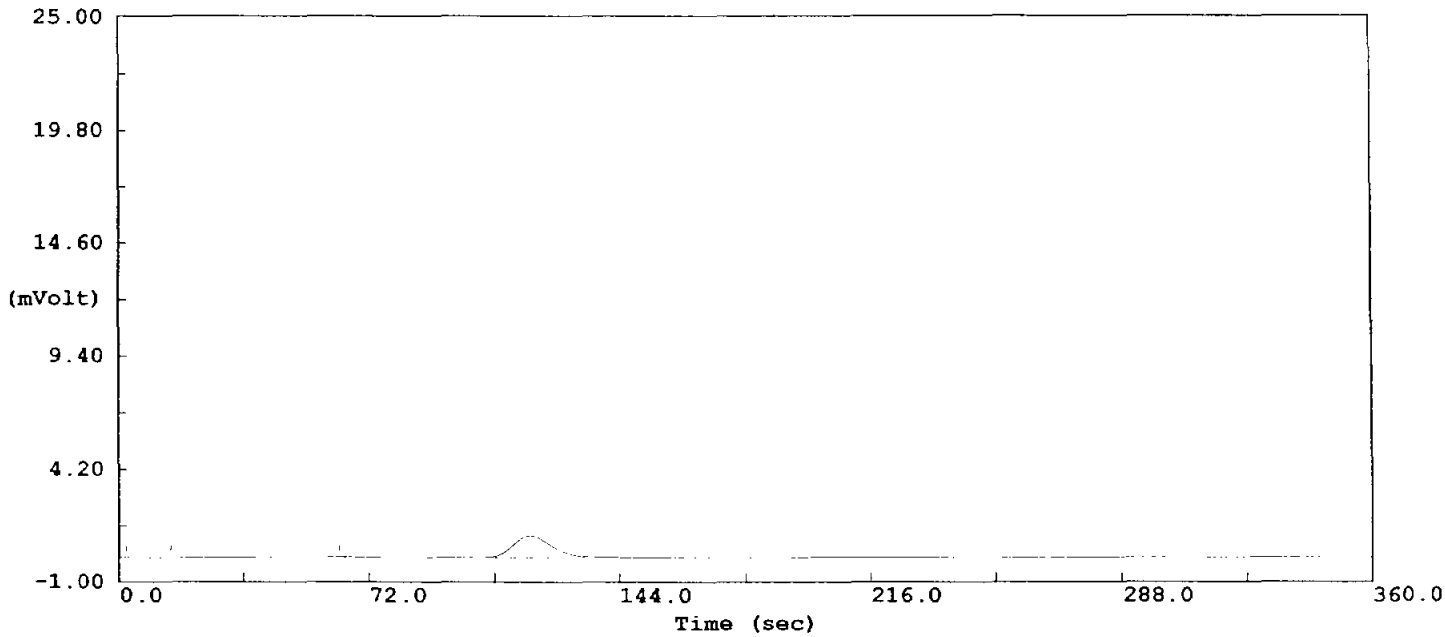
Sample ID	: 600216 (# 21)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.749
Chromatogram	: C:\EAW\N120621.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2175	119	92792	RS	1.000000	
Hydrogen	-3.2777560E+00	201	619	RS	149.906300	

Eager 200 Strip-Chart



Filename C:\EAW\N120622.DAT
Sample name :600216 Analysed :12-06-04 14:01

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:01	Printed	: 12/6/2004 14:07

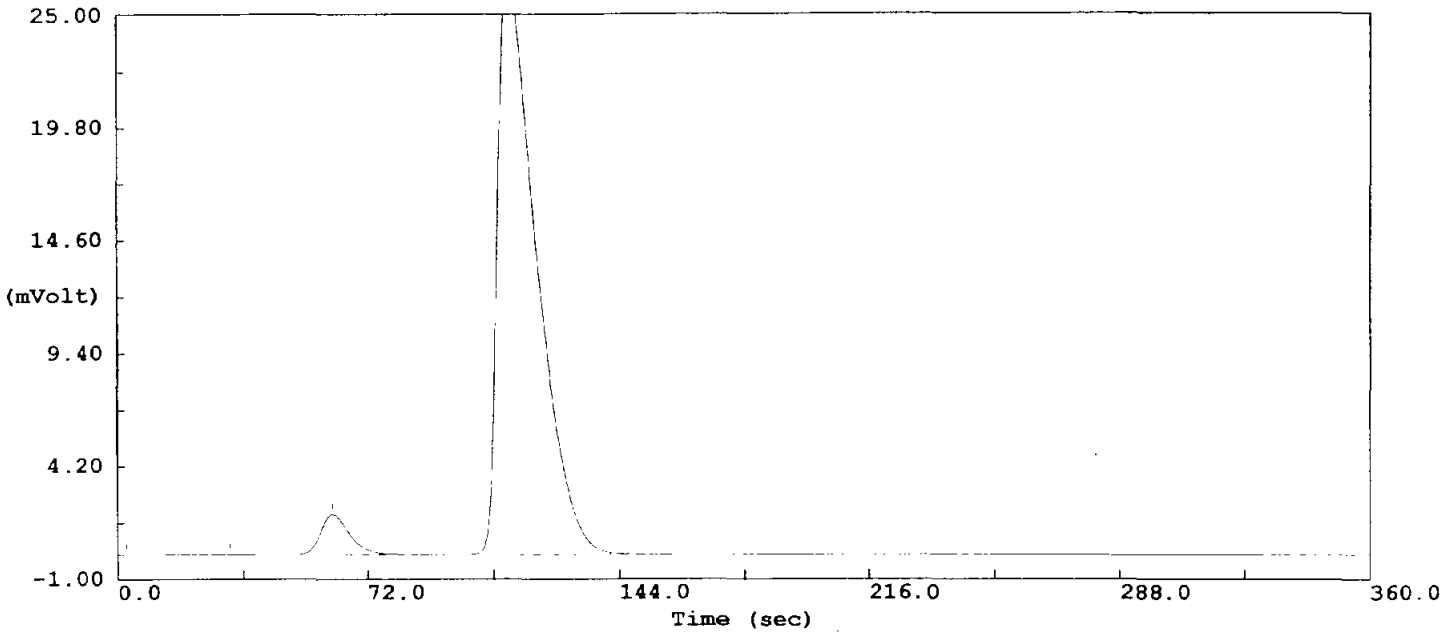
Sample ID	: 600216 (# 22)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.04
Chromatogram	: C:\EAW\N120622.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2819	118	126910	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120623.DAT
Sample name :ACETANILIDE Analysed :12-06-04 14:07

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:07	Printed	: 12/6/2004 14:13

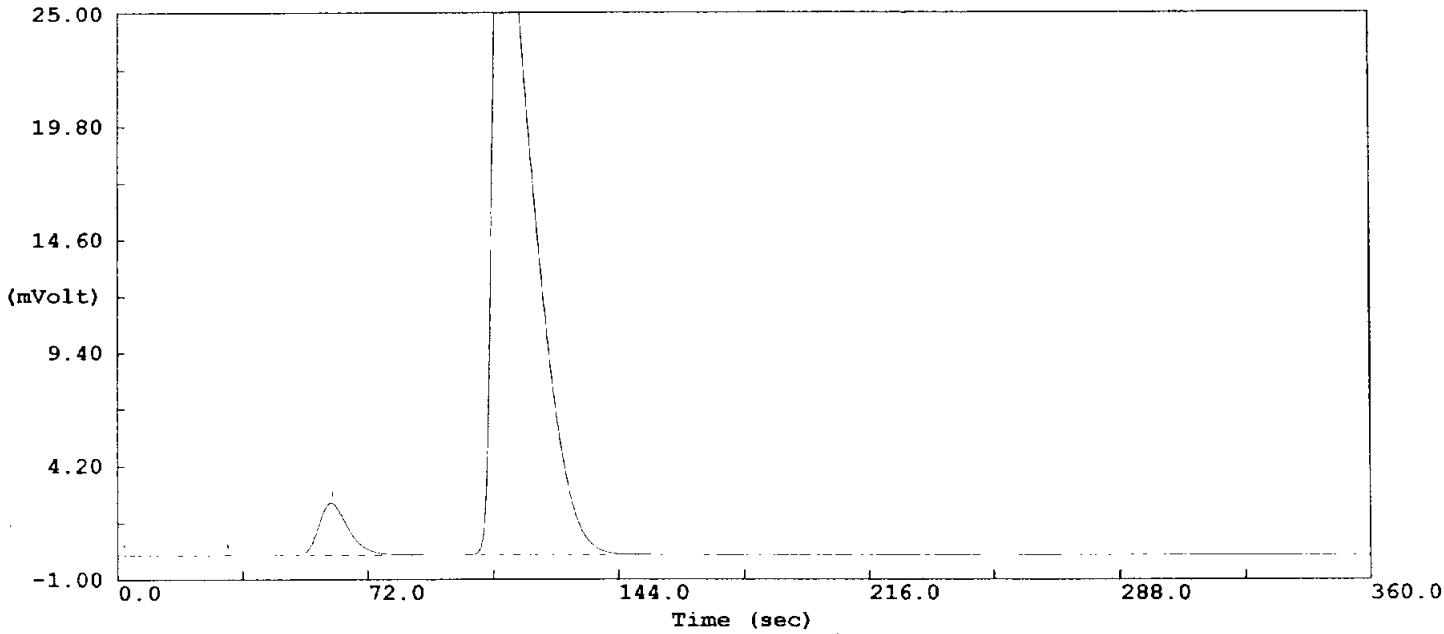
Sample ID	: ACETANILIDE (# 23)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .653
Chromatogram	: C:\EAW\N120623.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	70.2169	112	3453442	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120624.DAT
Sample name :ACETANILIDE Analysed :12-06-04 14:13

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:13	Printed	: 12/6/2004 14:19

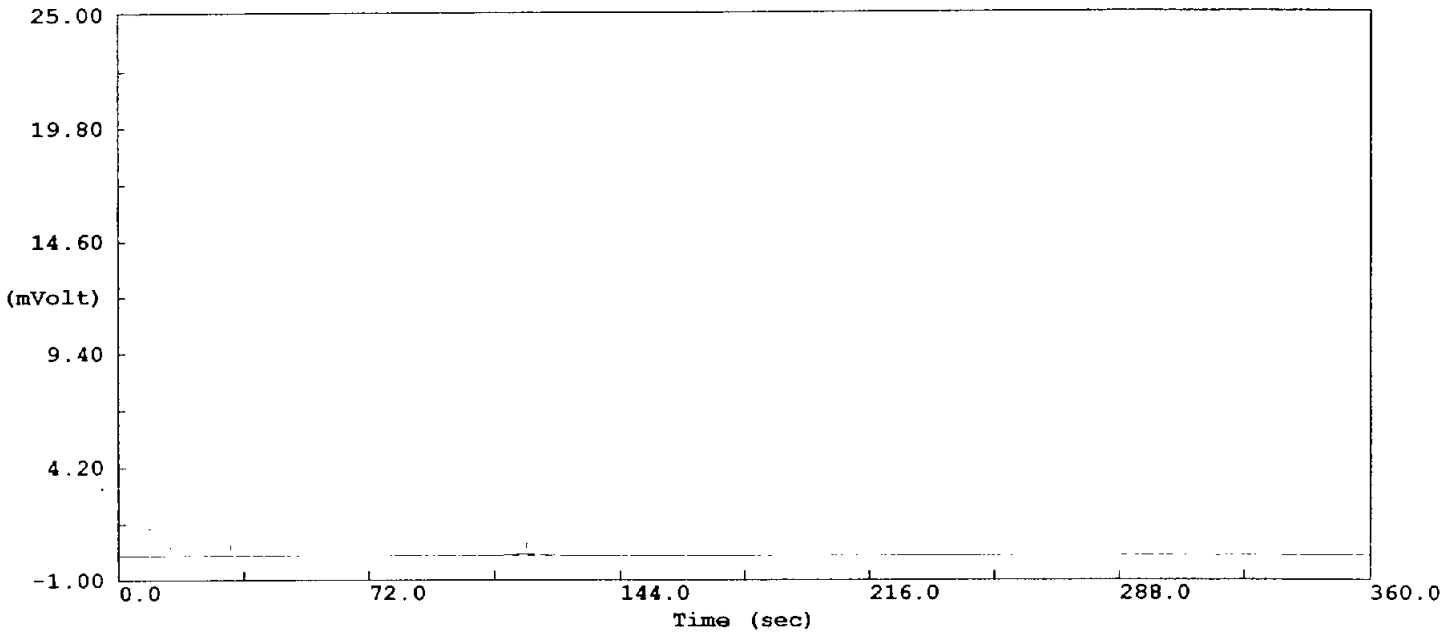
Sample ID	: ACETANILIDE (# 24)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .829
Chromatogram	: C:\EAW\N120624.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	6.5006	48	3	RS	1458787.000000	
Carbon	70.0848	111	4376362	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120625.DAT
Sample name :BLANK Analysed :12-06-04 14:19

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1206.MTH
Analysed : 12-06-04 14:19
Printed : 12/6/2004 14:25

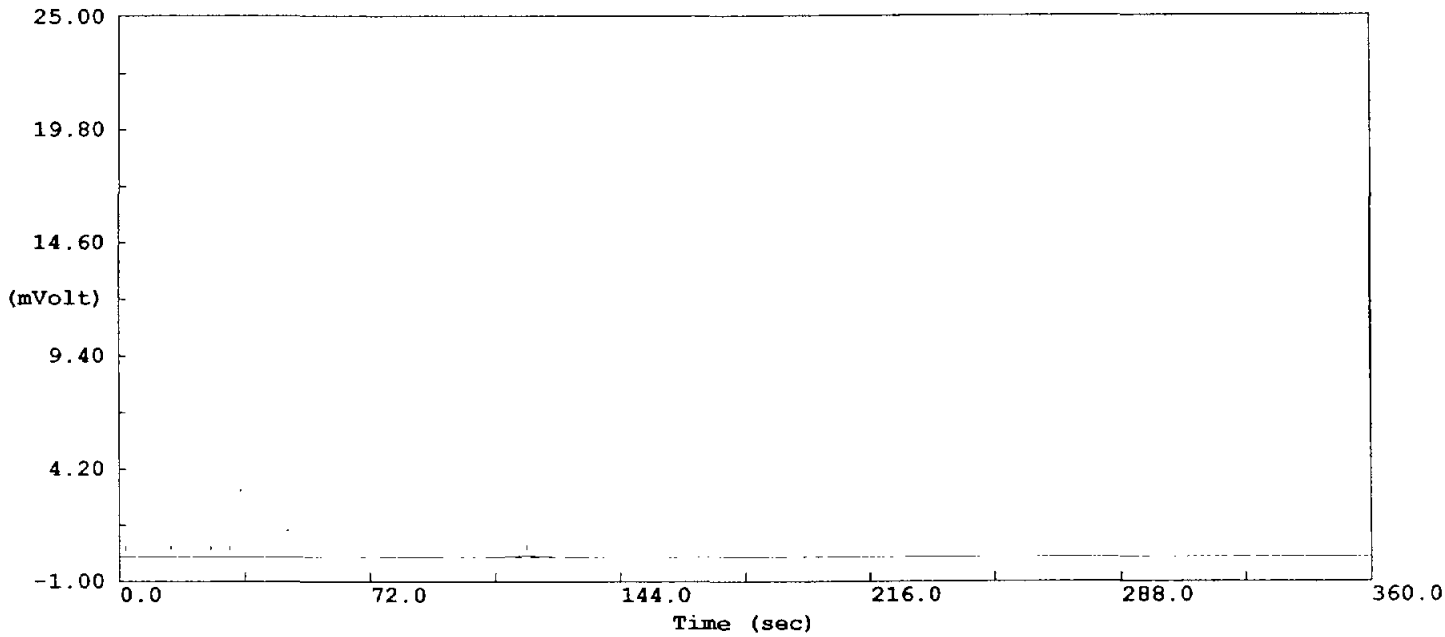
Sample ID : BLANK (# 25)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 30
Chromatogram : C:\EAW\N120625.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0044	118	8582	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120626.DAT
Sample name :BLANK Analysed :12-06-04 14:26

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:26	Printed	: 12/6/2004 14:32

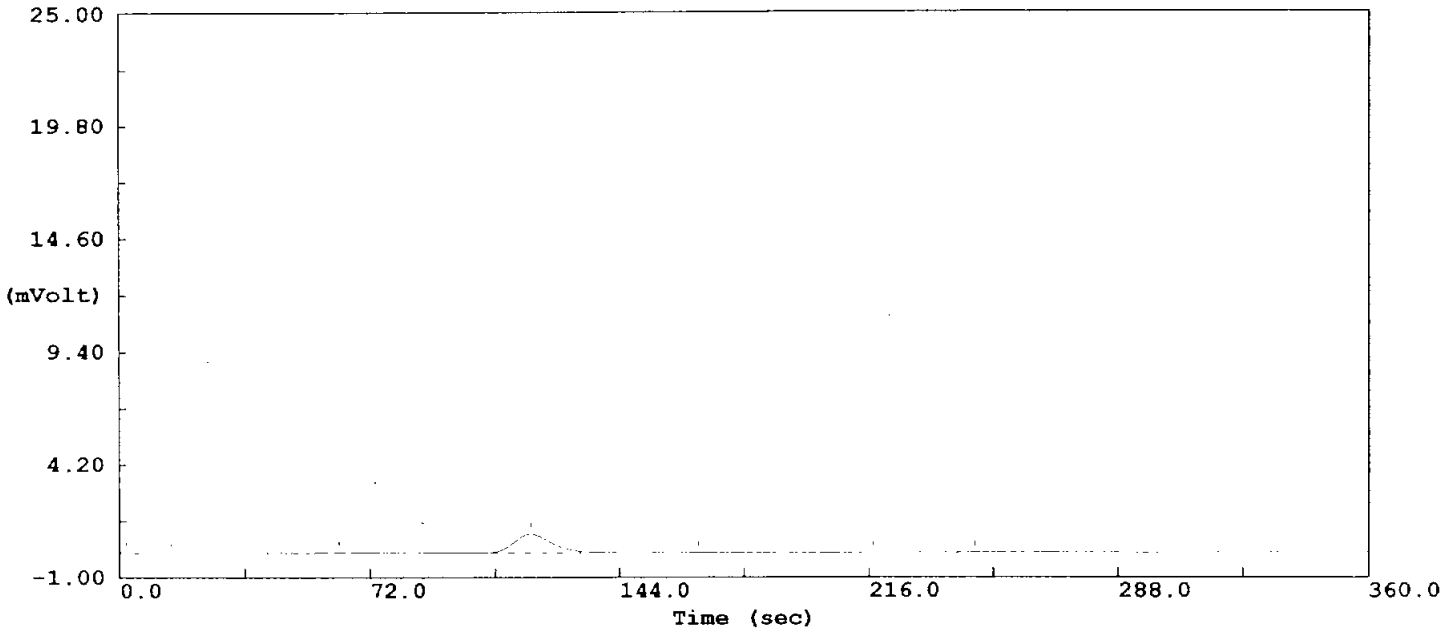
Sample ID	: BLANK (# 26)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120626.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0042	117	8152	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120627.DAT
Sample name :600217 Analysed :12-06-04 14:32

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 14:32

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 14:38

Sample ID : 600217 (# 27)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120627.DAT

Channel : Channel B
Sample weight : 4.825

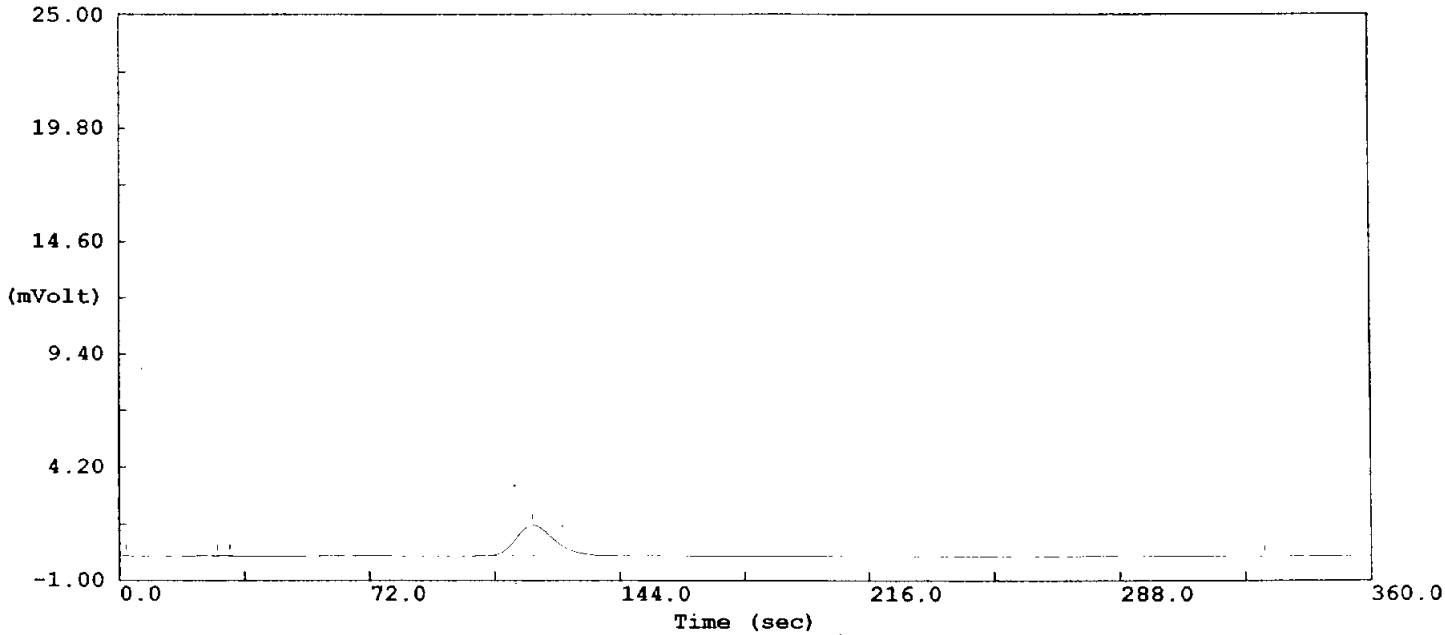
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3069	119	110177	RS	1.000000	

01830

Eager 200 Strip-Chart



Filename C:\EAW\N120628.DAT
Sample name :600217 Analysed :12-06-04 14:38

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:38	Printed	: 12/6/2004 14:44

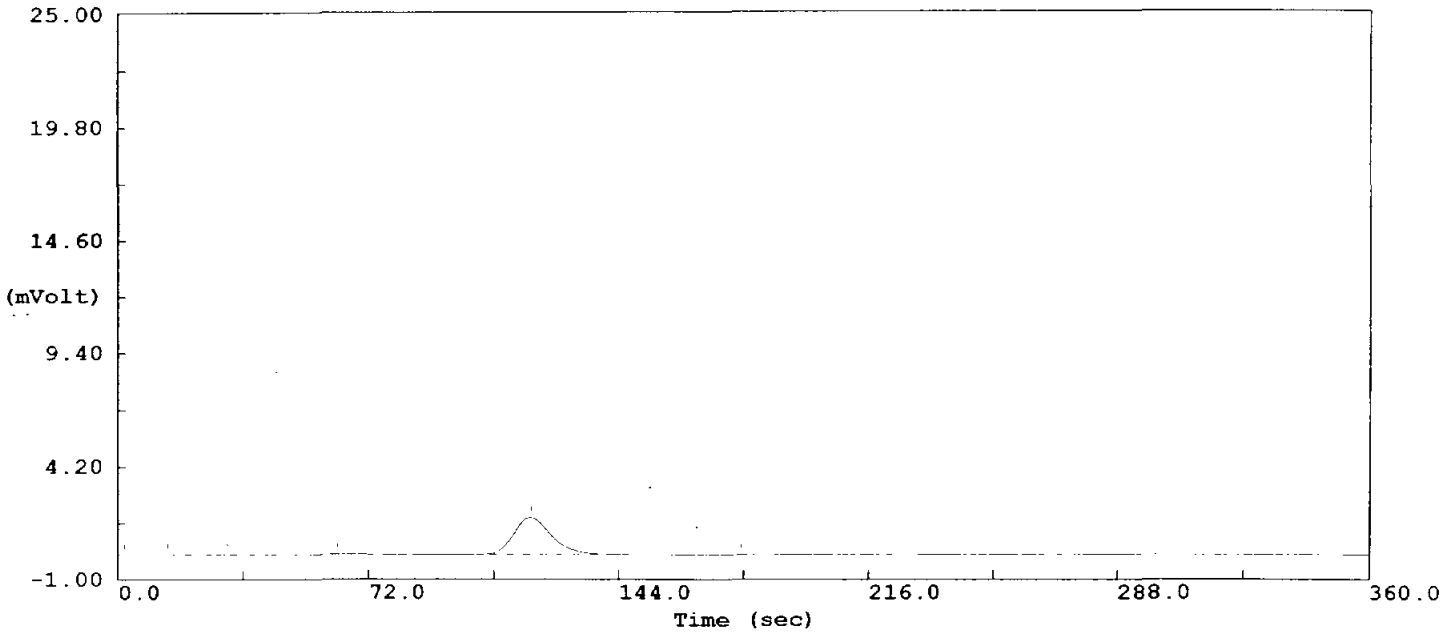
Sample ID	: 600217 (# 28)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.242
Chromatogram	: C:\EAW\N120628.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2600	119	179641	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120629.DAT
Sample name :600217 Analysed :12-06-04 14:44

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:44	Printed	: 12/6/2004 14:50

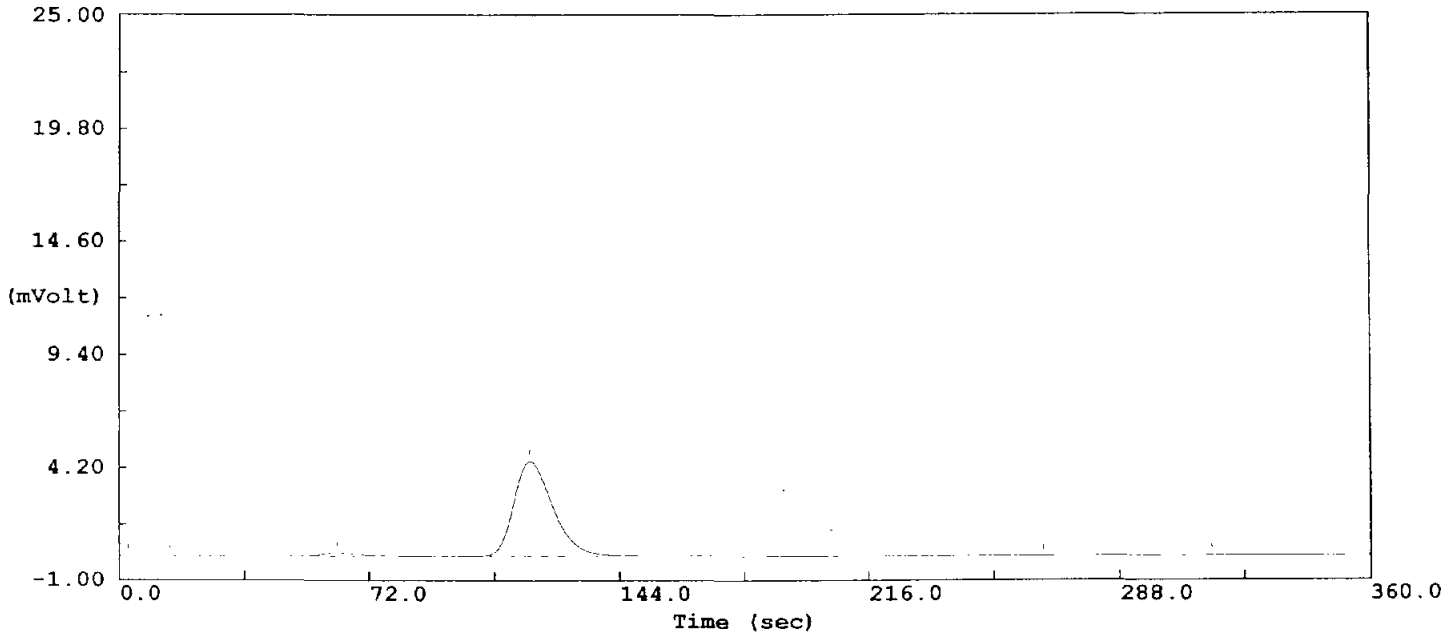
Sample ID	: 600217 (# 29)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.431
Chromatogram	: C:\EAW\N120629.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3449	119	217690	RS	1.000000	
Hydrogen	-1.9824787E+00	179	919	RS	236.877000	

Eager 200 Strip-Chart



Filename C:\EAW\N120630.DAT
Sample name :600218 Analysed :12-06-04 14:50

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 14:50

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 14:56

Sample ID : 600218 (# 30)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120630.DAT

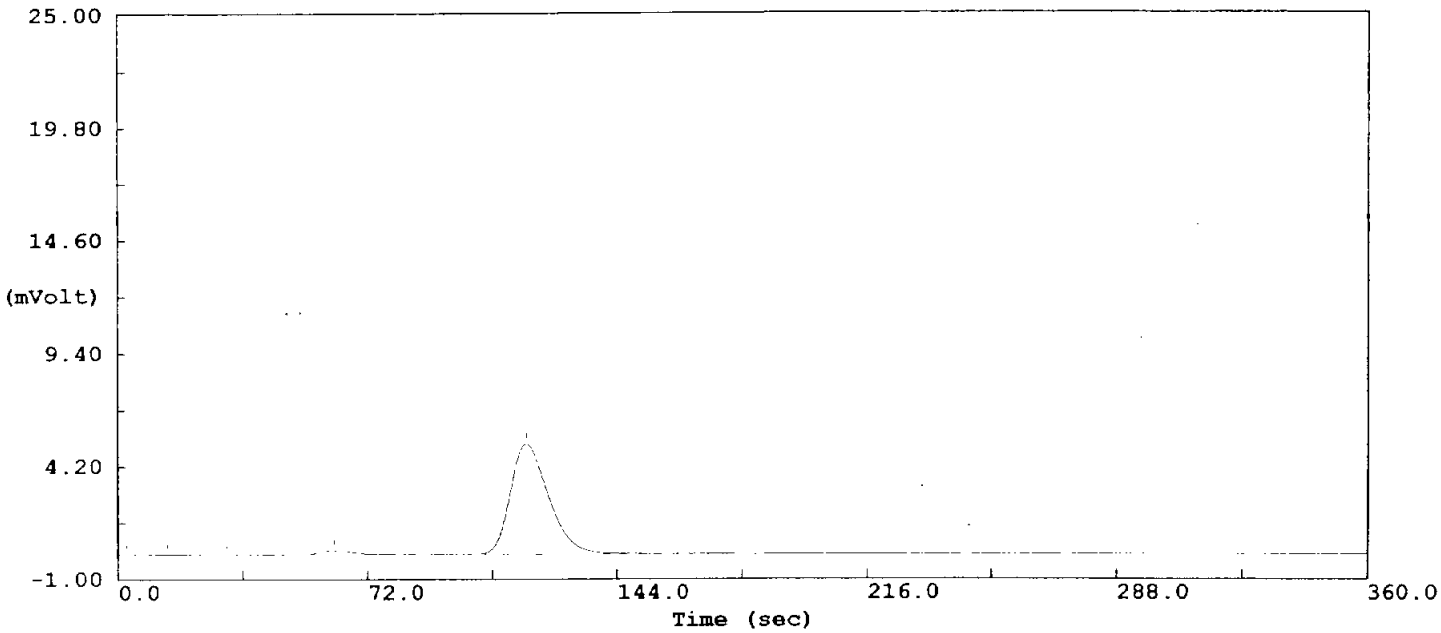
Channel : Channel B
Sample weight : 7.782

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9720	118	568555	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120631.DAT
Sample name :600218 Analysed :12-06-04 14:56

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 14:56

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 15:02

Sample ID : 600218 (# 31)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120631.DAT

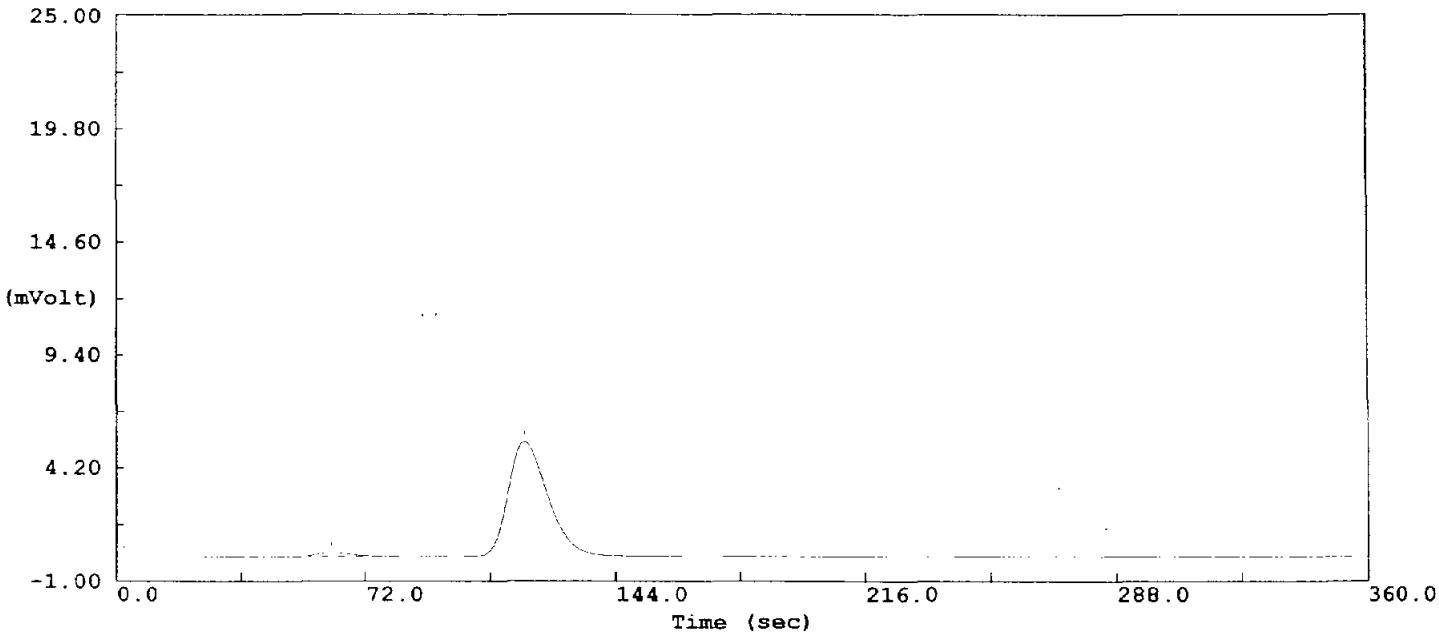
Channel : Channel B
Sample weight : 9.4

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9213	118	651155	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120632.DAT
Sample name :600218 Analysed :12-06-04 15:02

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:02	Printed	: 12/6/2004 15:08

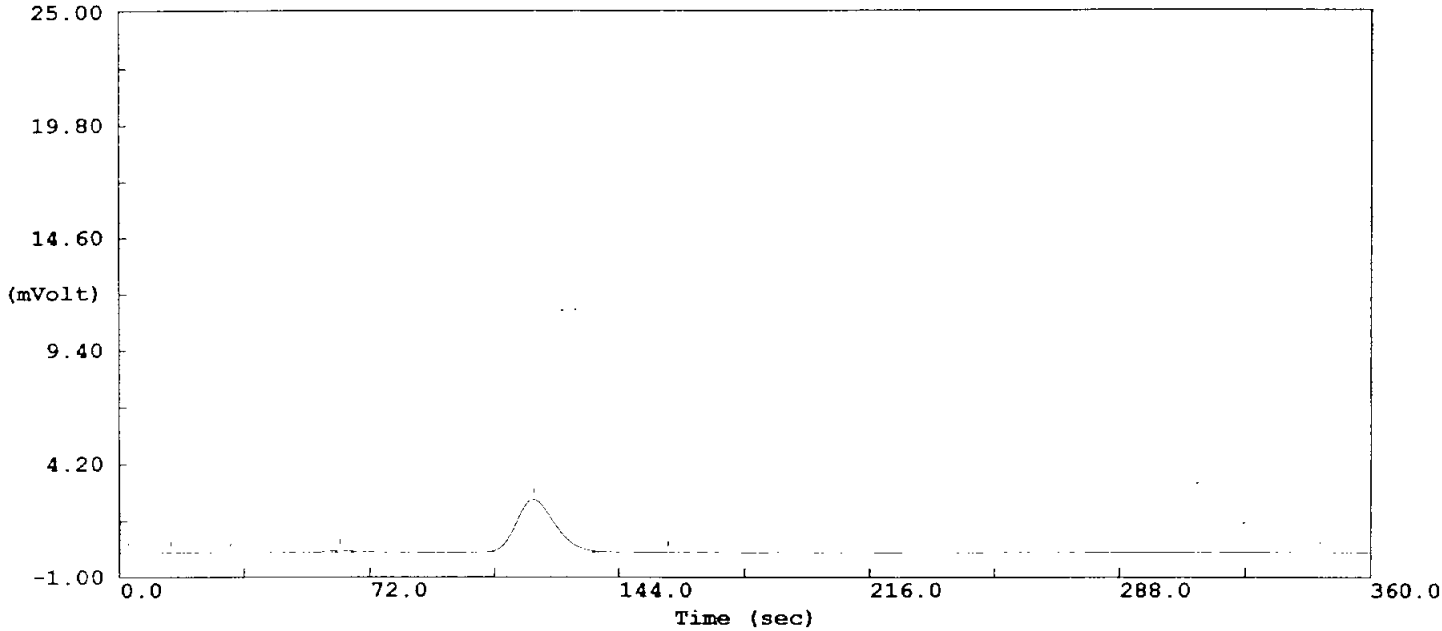
Sample ID	: 600218 (# 32)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.68
Chromatogram	: C:\EAW\N120632.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0336	118	674616	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120633.DAT
Sample name :600219 Analysed :12-06-04 15:08

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 15:08

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 15:14

Sample ID : 600219 (# 33)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120633.DAT

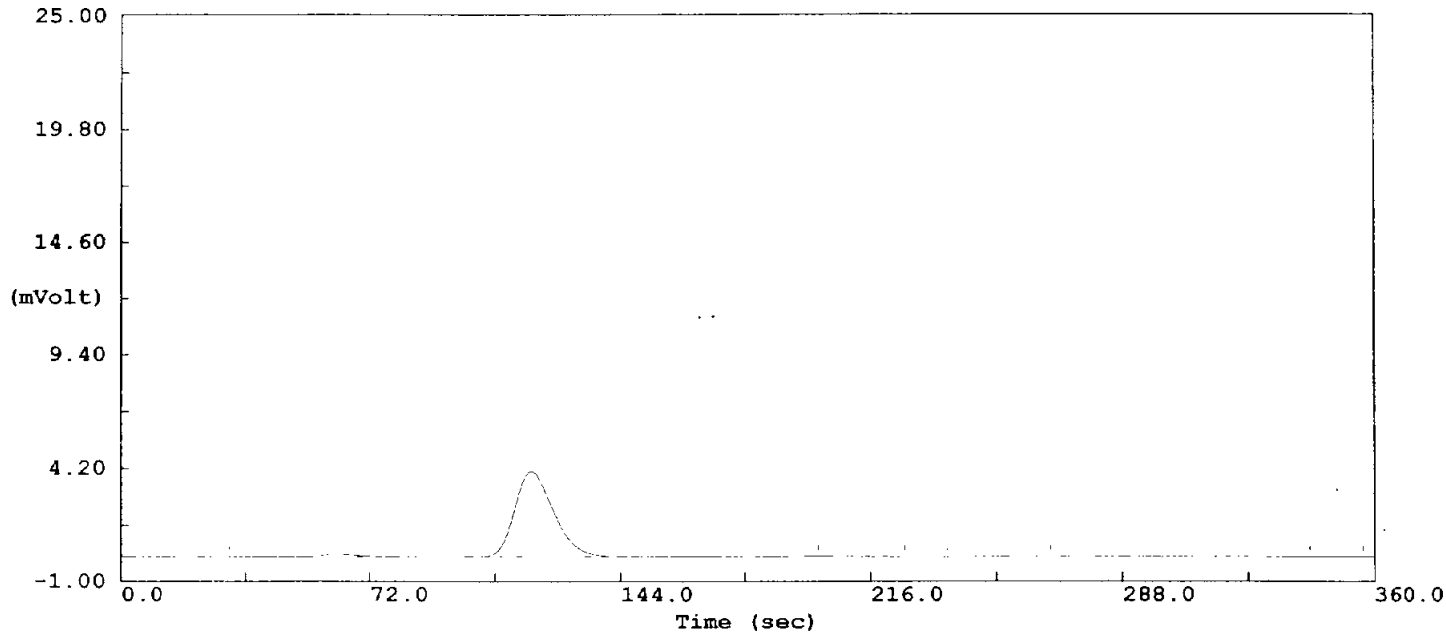
Channel : Channel B
Sample weight : 4.541

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9020	119	307224	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120634.DAT
Sample name :600219 Analysed :12-06-04 15:14

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:14	Printed	: 12/6/2004 15:20

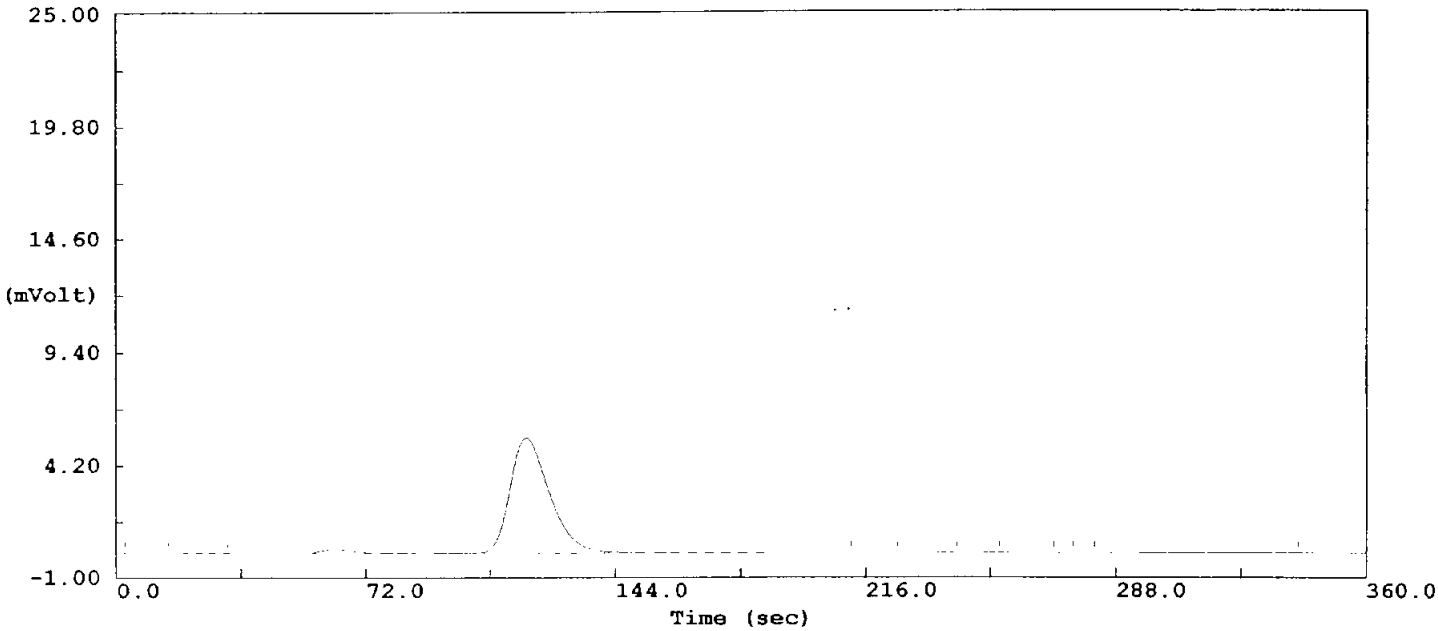
Sample ID	: 600219 (# 34)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.7
Chromatogram	: C:\EAW\N120634.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8602	118	497673	RS	1.000000	
Hydrogen	-5.5555278E-01	201	2671	RS	186.324600	

Eager 200 Strip-Chart



Filename C:\EAW\N120635.DAT
Sample name :600219 Analysed :12-06-04 15:20

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:20	Printed	: 12/6/2004 15:26

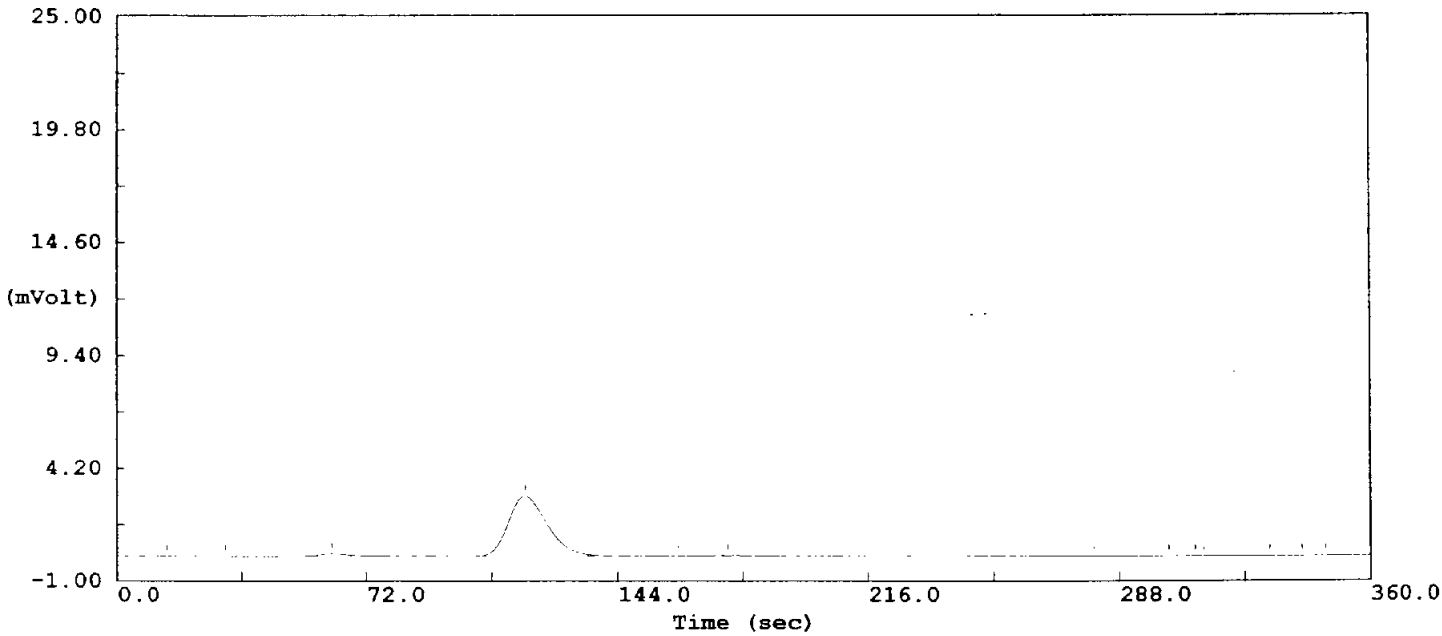
Sample ID	: 600219 (# 35)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 10.685
Chromatogram	: C:\EAW\N120635.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8542	118	686321	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120636.DAT
Sample name :600220 Analysed :12-06-04 15:26

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1206.MTH
Analysed : 12-06-04 15:26
Printed : 12/6/2004 15:32

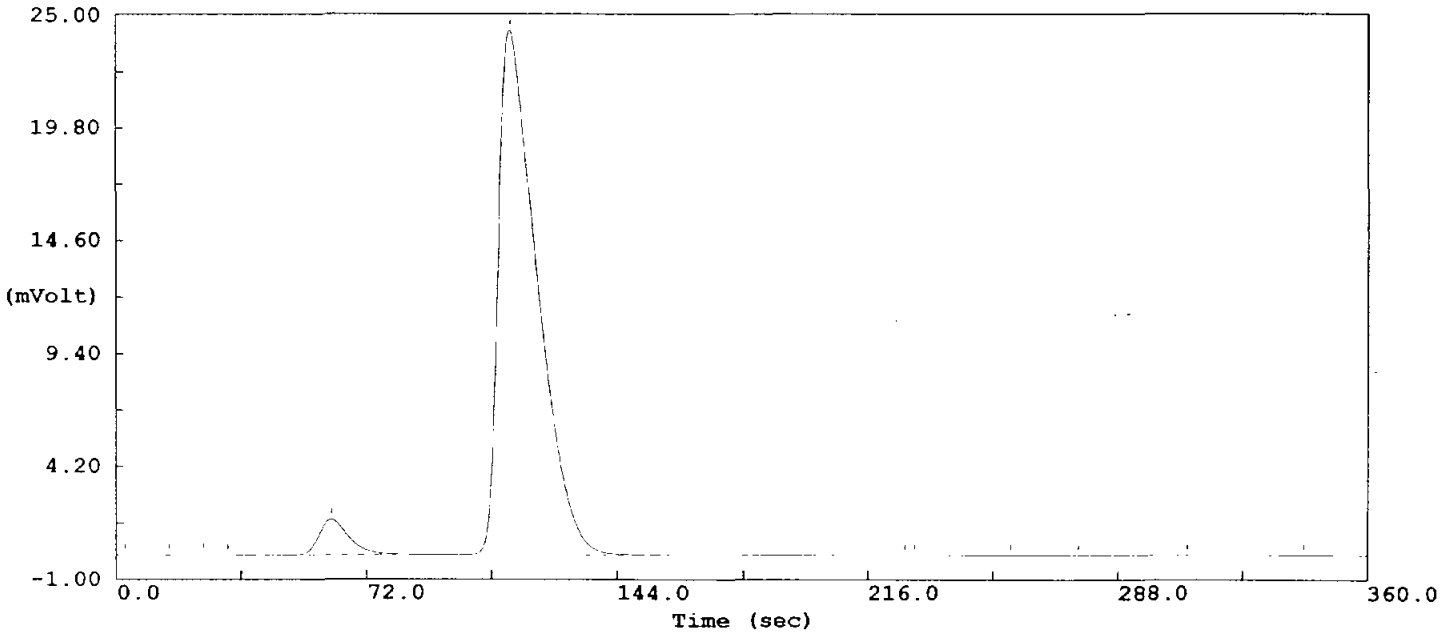
Sample ID : 600220 (# 36)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 8.923
Chromatogram : C:\EAW\N120636.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.5226	118	349978	TL	1.000000	
Hydrogen	-4.5846604E-02	176	3216	CR	108.824000	

Eager 200 Strip-Chart



Filename C:\EAW\N120637.DAT
Sample name :ACETANILIDE Analysed :12-06-04 15:33

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:33	Printed	: 12/6/2004 15:39

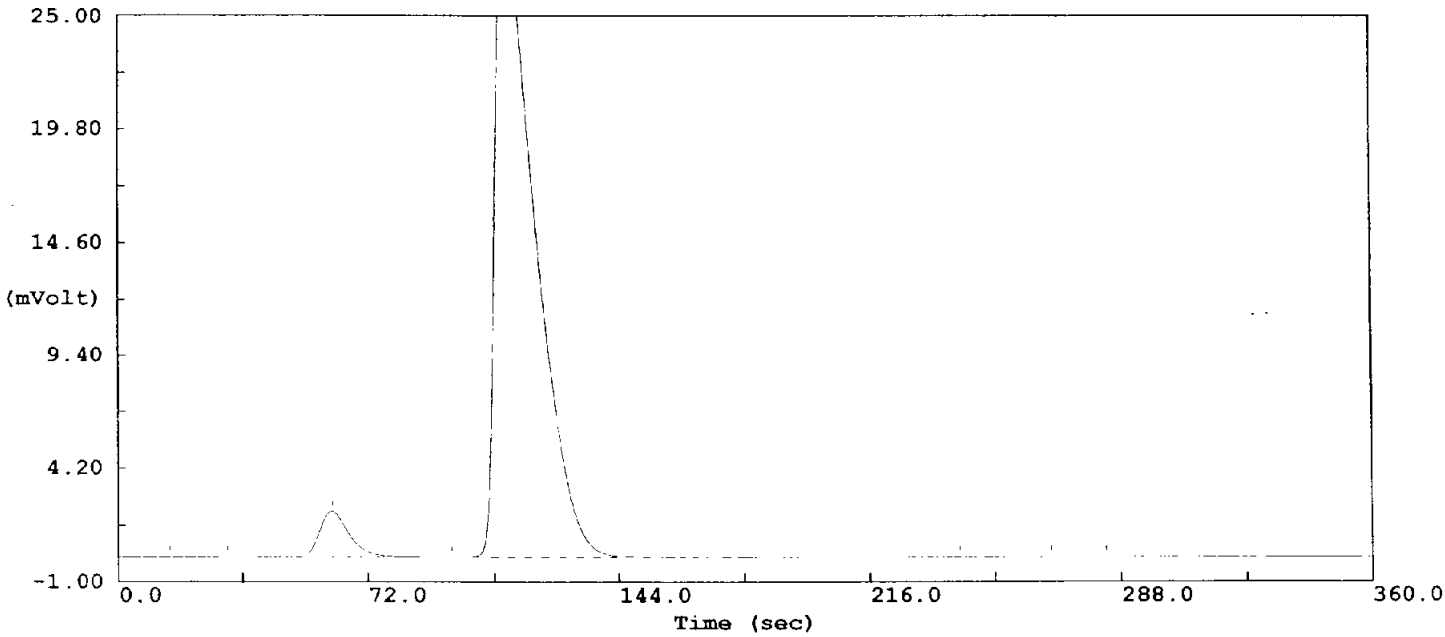
Sample ID	: ACETANILIDE (# 37)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .577
Chromatogram	: C:\EAW\N120637.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	70.1537	113	3048601	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120638.DAT
Sample name :ACETANILIDE Analysed :12-06-04 15:39

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:39	Printed	: 12/6/2004 15:45

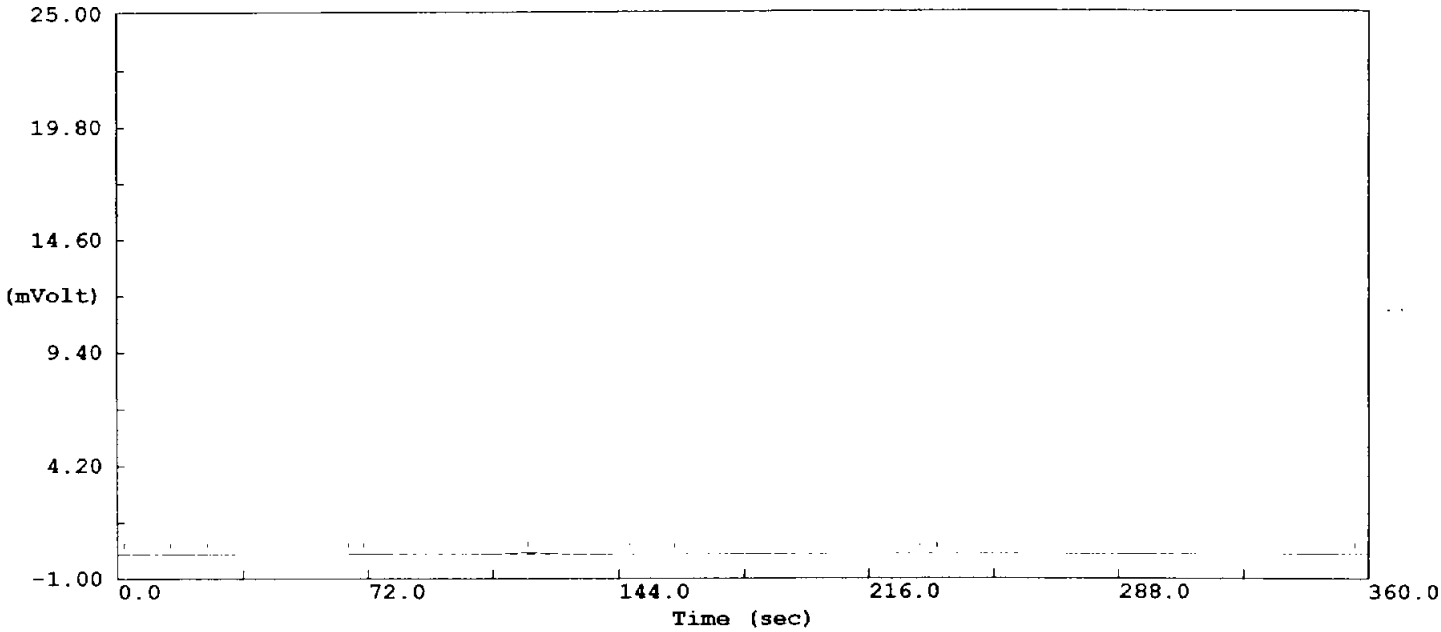
Sample ID	: ACETANILIDE (# 38)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .745
Chromatogram	: C:\EAW\N120638.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	69.5654	112	3903619	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120639.DAT
Sample name :BLANK Analysed :12-06-04 15:45

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:45	Printed	: 12/6/2004 15:51

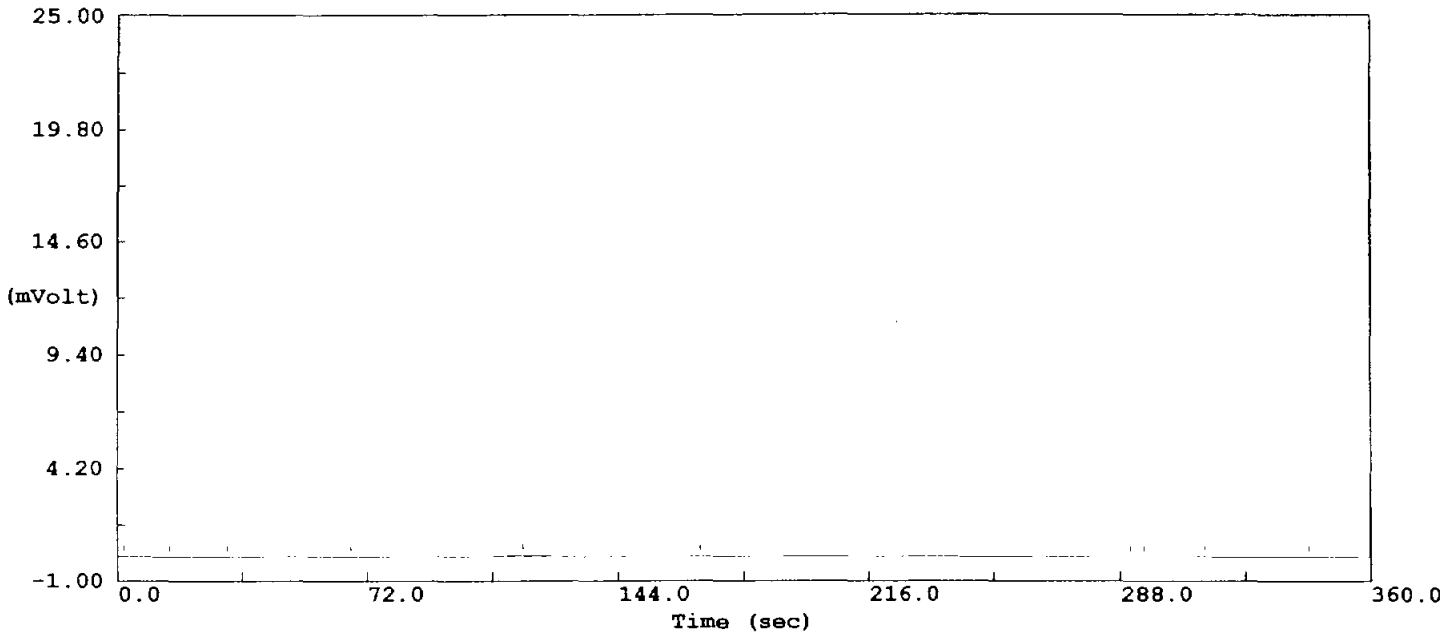
Sample ID	: BLANK (# 39)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120639.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0044	118	8556	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120640.DAT
Sample name :BLANK Analysed :12-06-04 15:51

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:51	Printed	: 12/6/2004 15:57

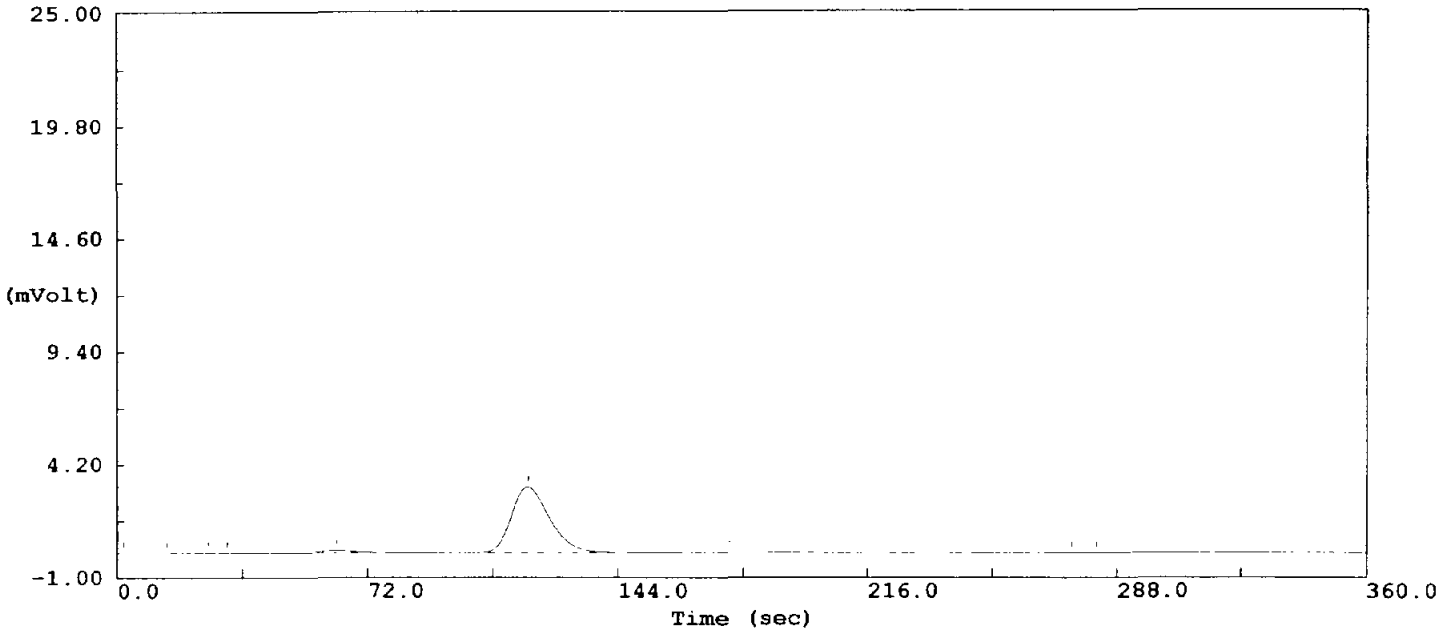
Sample ID	: BLANK (# 40)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120640.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0044	117	8608	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120641.DAT
Sample name :600220 Analysed :12-06-04 15:57

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 15:57

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 16:03

Sample ID : 600220 (# 41)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120641.DAT

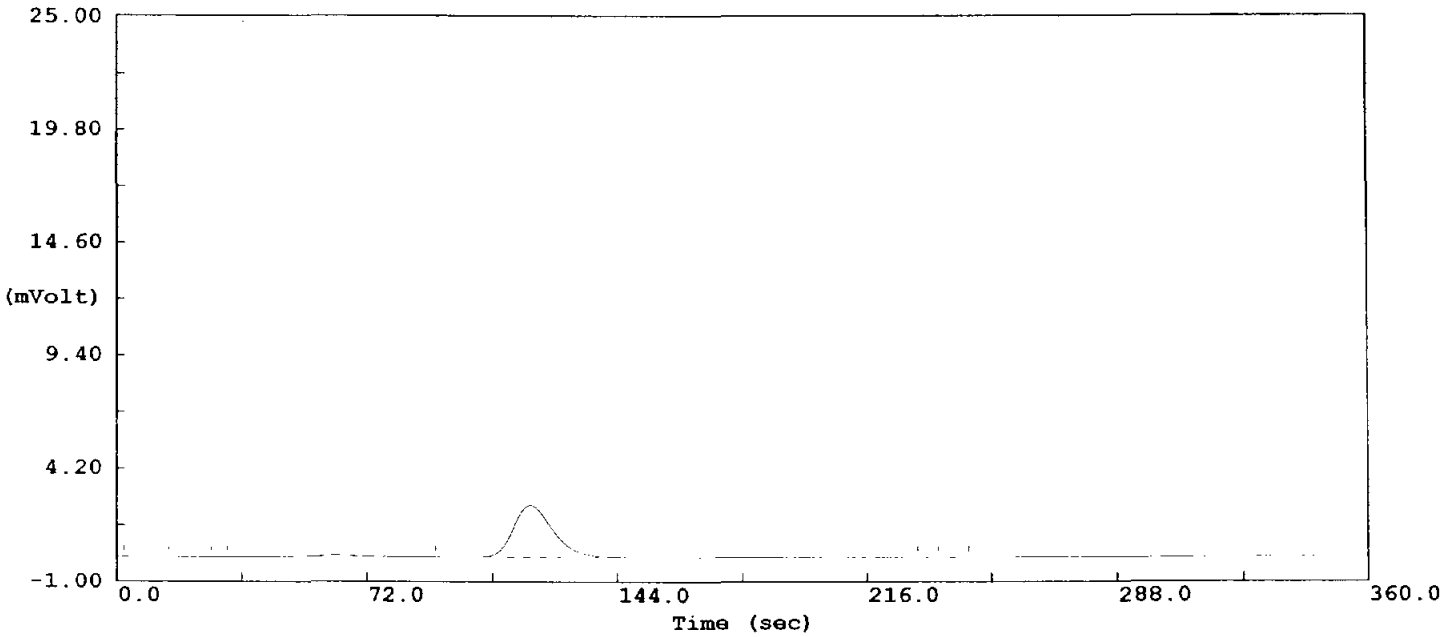
Channel : Channel B
Sample weight : 8.854

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.5759	119	382773	RS	1.000000	
Hydrogen	-2.6221457E+00	176	3	RS	127591.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120642.DAT
Sample name :600220 Analysed :12-06-04 16:03

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:03	Printed	: 12/6/2004 16:09

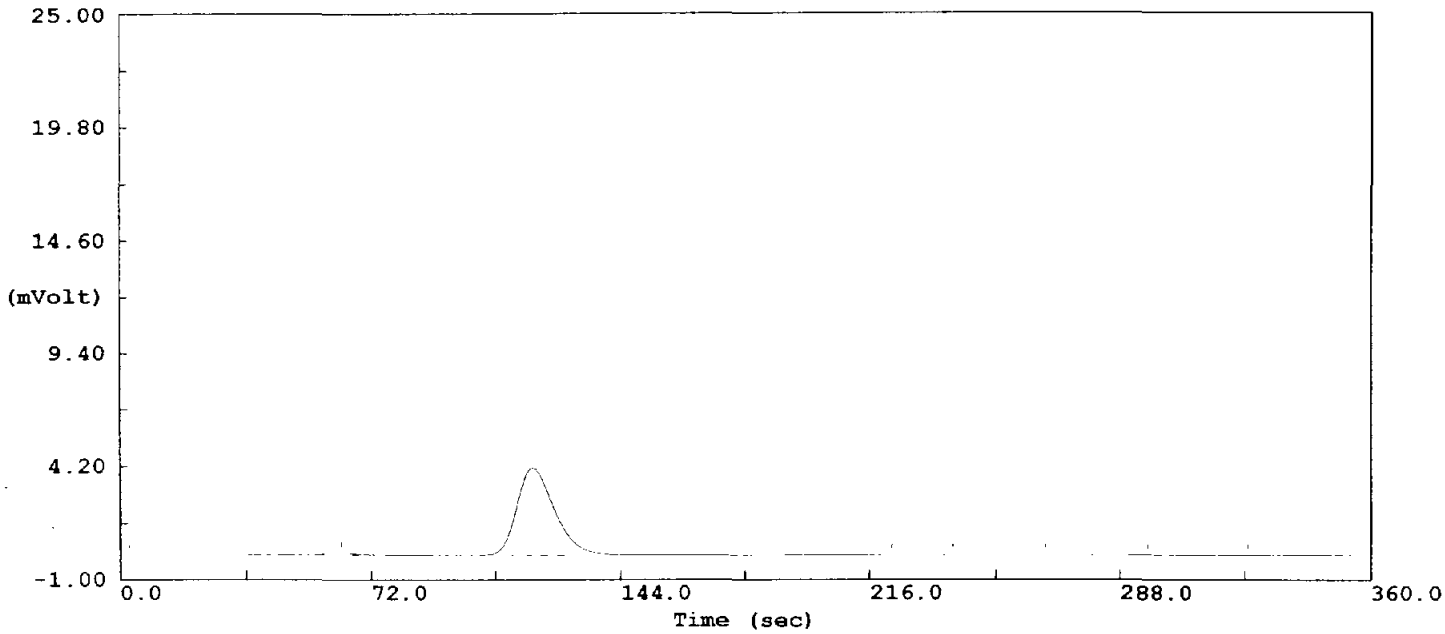
Sample ID	: 600220 (# 42)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.378
Chromatogram	: C:\EAW\N120642.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.6647	119	318018	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120643.DAT
Sample name :600221 Analysed :12-06-04 16:09

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 16:09

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 16:15

Sample ID : 600221 (# 43)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120643.DAT

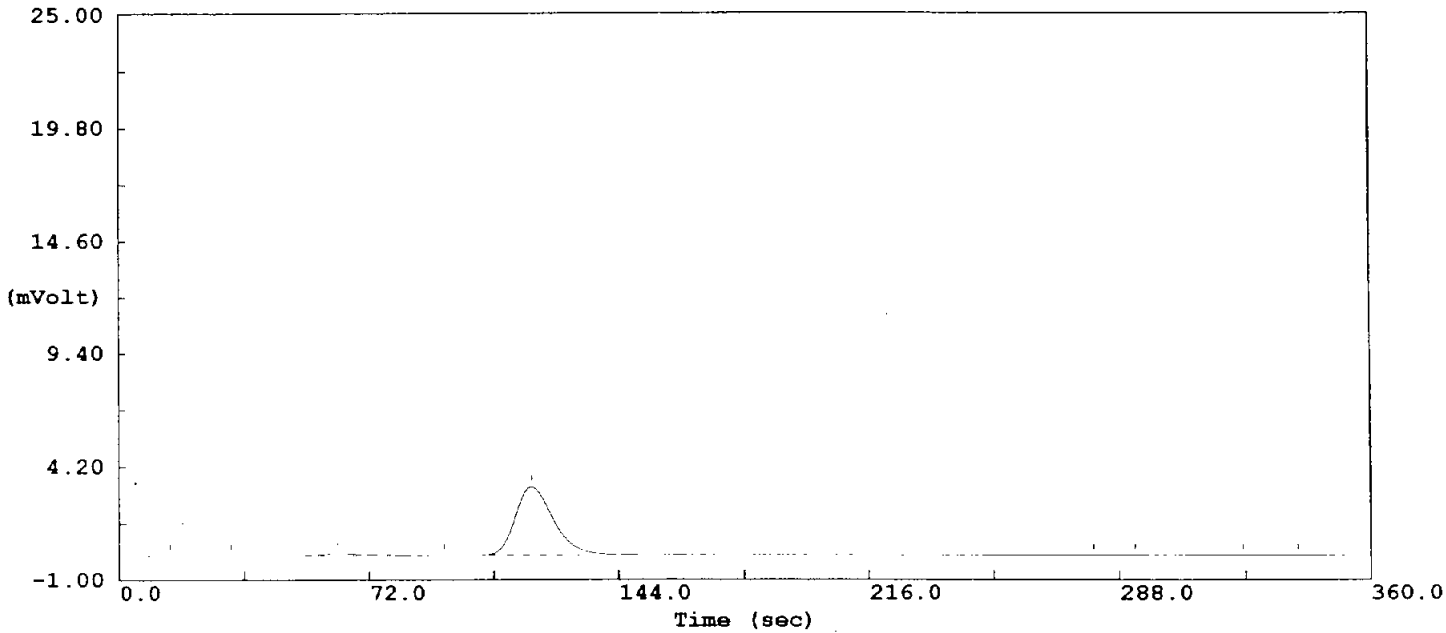
Channel : Channel B
Sample weight : 7.715

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8796	119	509896	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120644.DAT
Sample name :600221 Analysed :12-06-04 16:15

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:15	Printed	: 12/6/2004 16:21

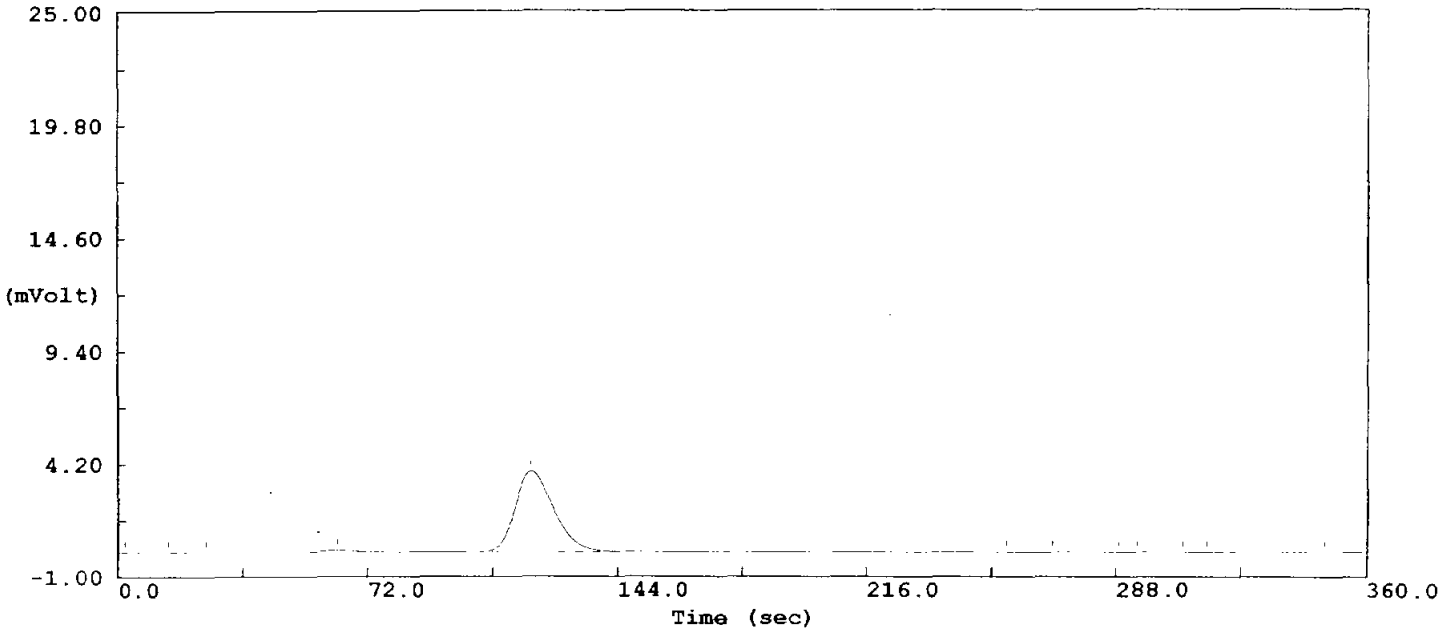
Sample ID	: 600221 (# 44)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.353
Chromatogram	: C:\EAW\N120644.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7262	119	400946	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120645.DAT
Sample name :600221 Analysed :12-06-04 16:21

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:21	Printed	: 12/6/2004 16:27

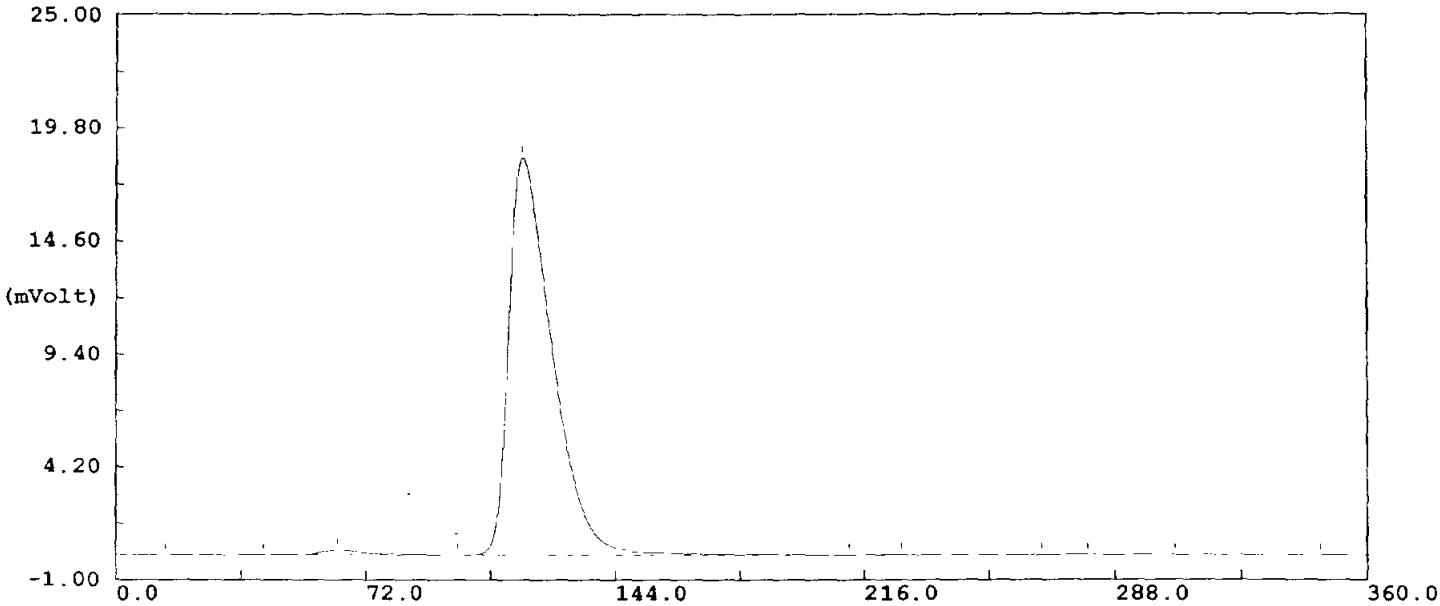
Sample ID	: 600221 (# 45)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.219
Chromatogram	: C:\EAW\N120645.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7800	119	481646	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120646.DAT
Sample name :600221MS Analysed :12-06-04 16:27

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:27	Printed	: 12/6/2004 16:33

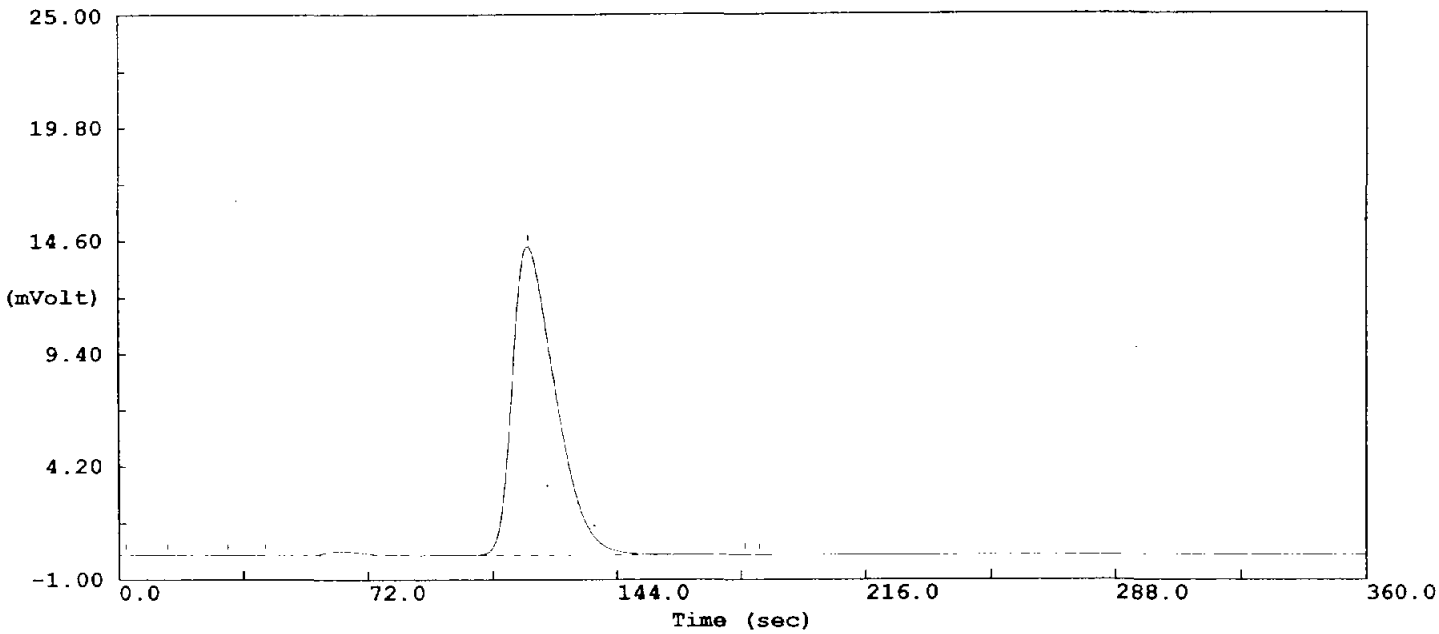
Sample ID	: 600221MS (# 46)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.89
Chromatogram	: C:\EAW\N120646.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.5447	43	2	RS	1320989.000000	
Carbon	3.5472	117	2641978	TL	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120647.DAT
Sample name :600221MS Analysed :12-06-04 16:33

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:33	Printed	: 12/6/2004 16:39

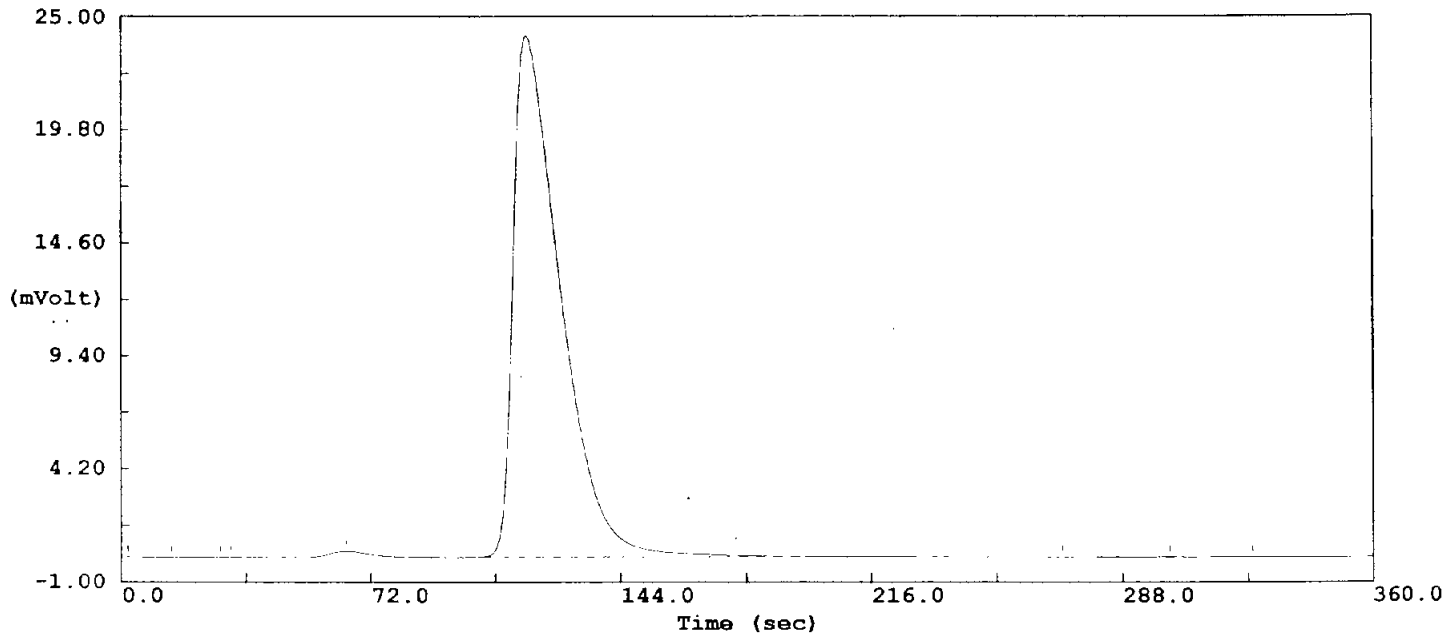
Sample ID	: 600221MS (# 47)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.05
Chromatogram	: C:\EAW\N120647.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.6694	42	3	RS	682356.700000	
Carbon	3.3772	118	2047070	TL	1.000000	
Hydrogen	-2.8611078E+00	185	29	CR	70588.620000	

Eager 200 Strip-Chart



Filename C:\EAW\N120648.DAT
Sample name :600221MS Analysed :12-06-04 16:39

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:39	Printed	: 12/6/2004 16:46

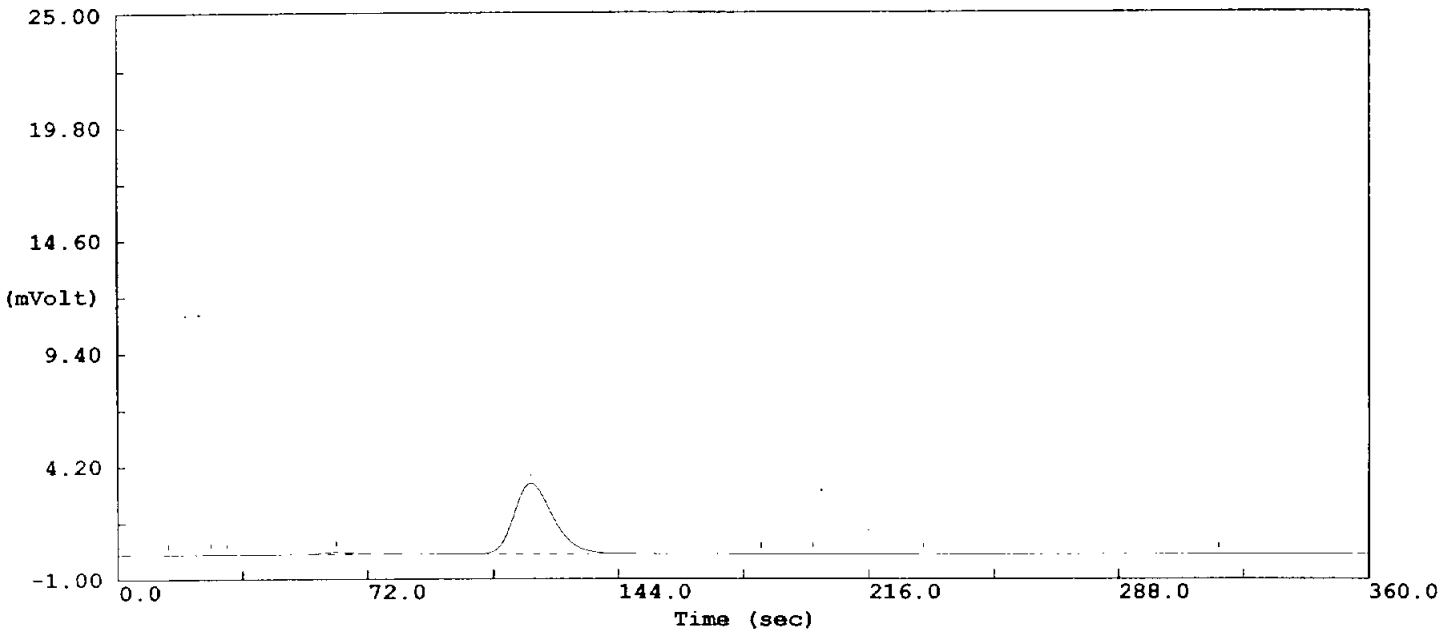
Sample ID	: 600221MS (# 48)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.149
Chromatogram	: C:\EAW\N120648.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	6.0535	117	3715514	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120649.DAT
Sample name :600221DP Analysed :12-06-04 16:46

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:46	Printed	: 12/6/2004 16:52

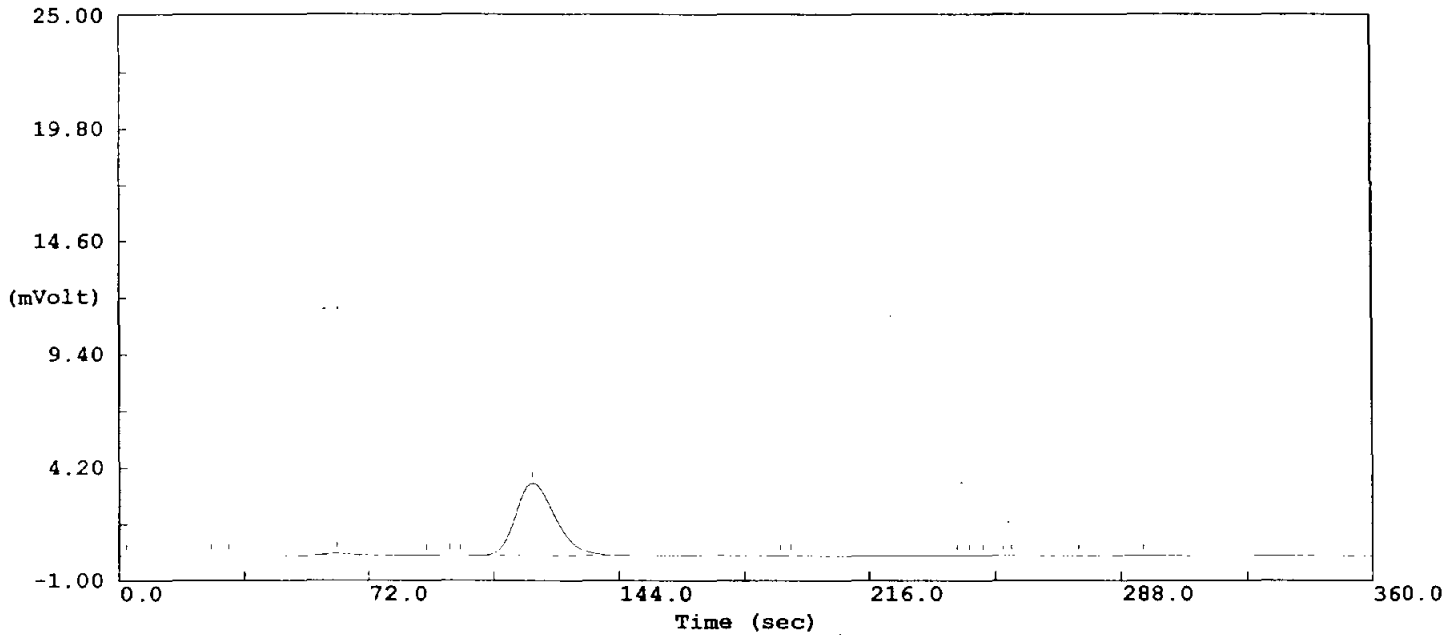
Sample ID	: 600221DP (# 49)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.34
Chromatogram	: C:\EAW\N120649.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.5980	119	419426	TL	1.000000	
Hydrogen	-2.4819043E+00	185	8	CR	52428.250000	

Eager 200 Strip-Chart



Filename C:\EAW\N120650.DAT
Sample name :600221DP Analysed :12-06-04 16:52

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:52	Printed	: 12/6/2004 16:58

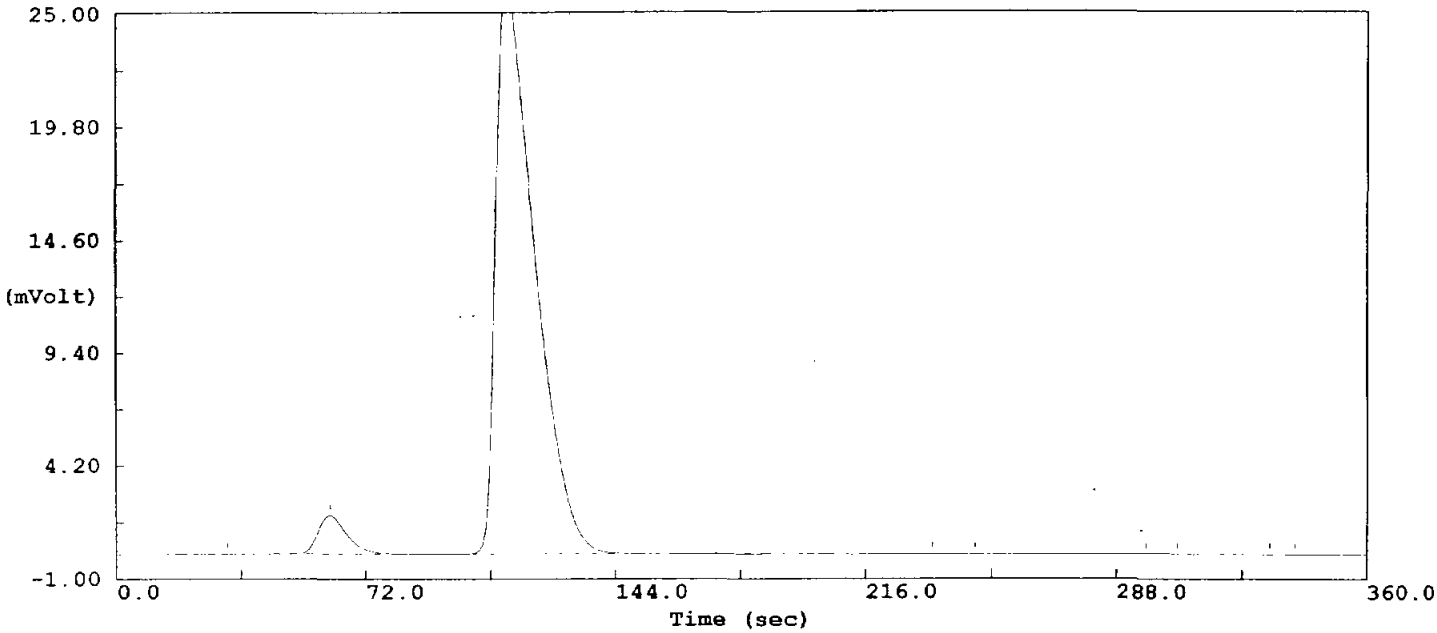
Sample ID	: 600221DP (# 50)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.637
Chromatogram	: C:\EAW\N120650.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.6594	119	427717	FU	1.000000	
Hydrogen	-2.6863818E+00	190	5	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120651.DAT
Sample name :ACETANILIDE Analysed :12-06-04 16:58

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:58	Printed	: 12/6/2004 17:04

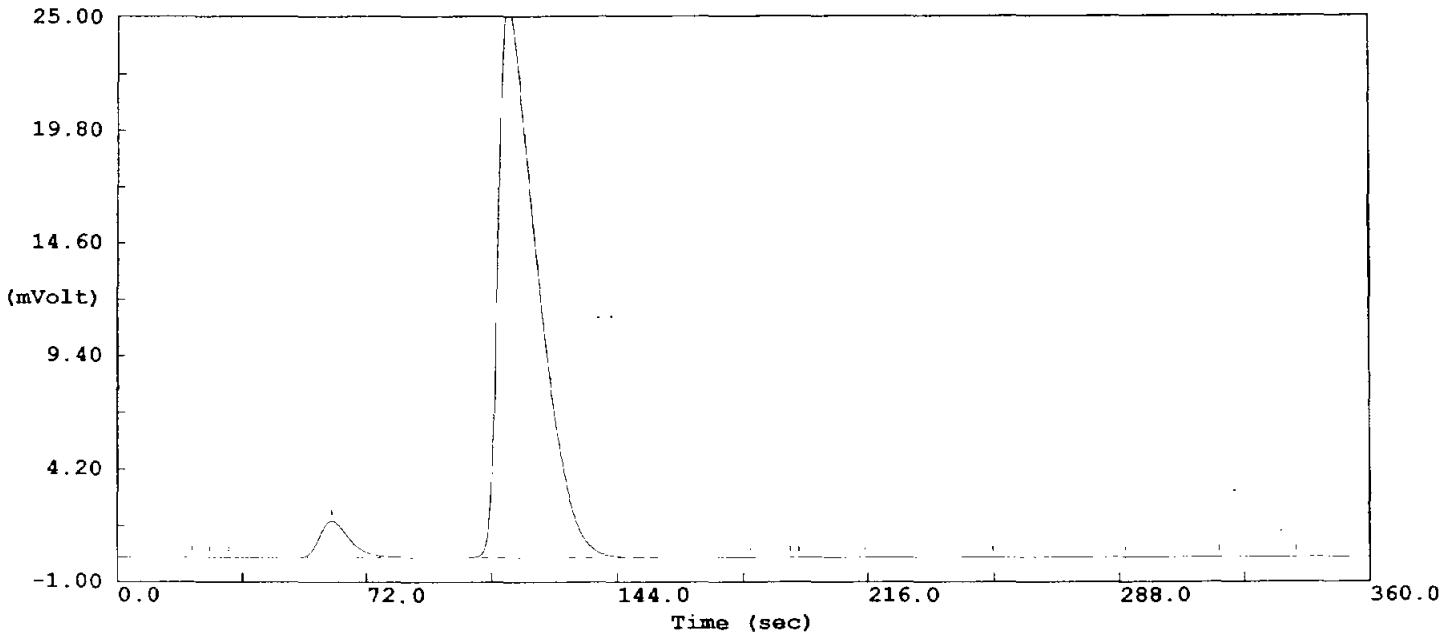
Sample ID	: ACETANILIDE (# 51)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .63
Chromatogram	: C:\EAW\N120651.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	70.0988	113	3326147	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120652.DAT
Sample name :ACETANILIDE Analysed :12-06-04 17:04

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:04	Printed	: 12/6/2004 17:10

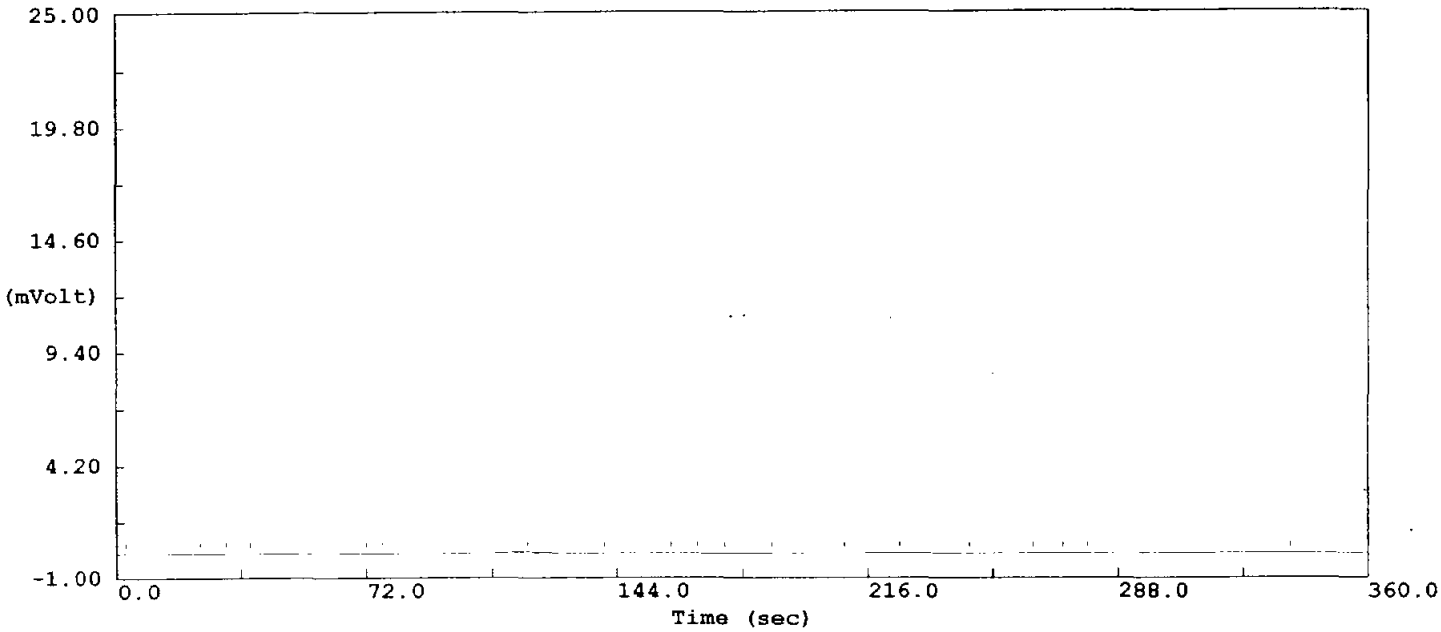
Sample ID	: ACETANILIDE (# 52)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .614
Chromatogram	: C:\EAW\N120652.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	69.8300	113	3229205	RS	1.000000	
Hydrogen	-3.7834972E+01	182	1	RS	3229205.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120653.DAT
Sample name :BLANK Analysed :12-06-04 17:10

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:10	Printed	: 12/6/2004 17:16

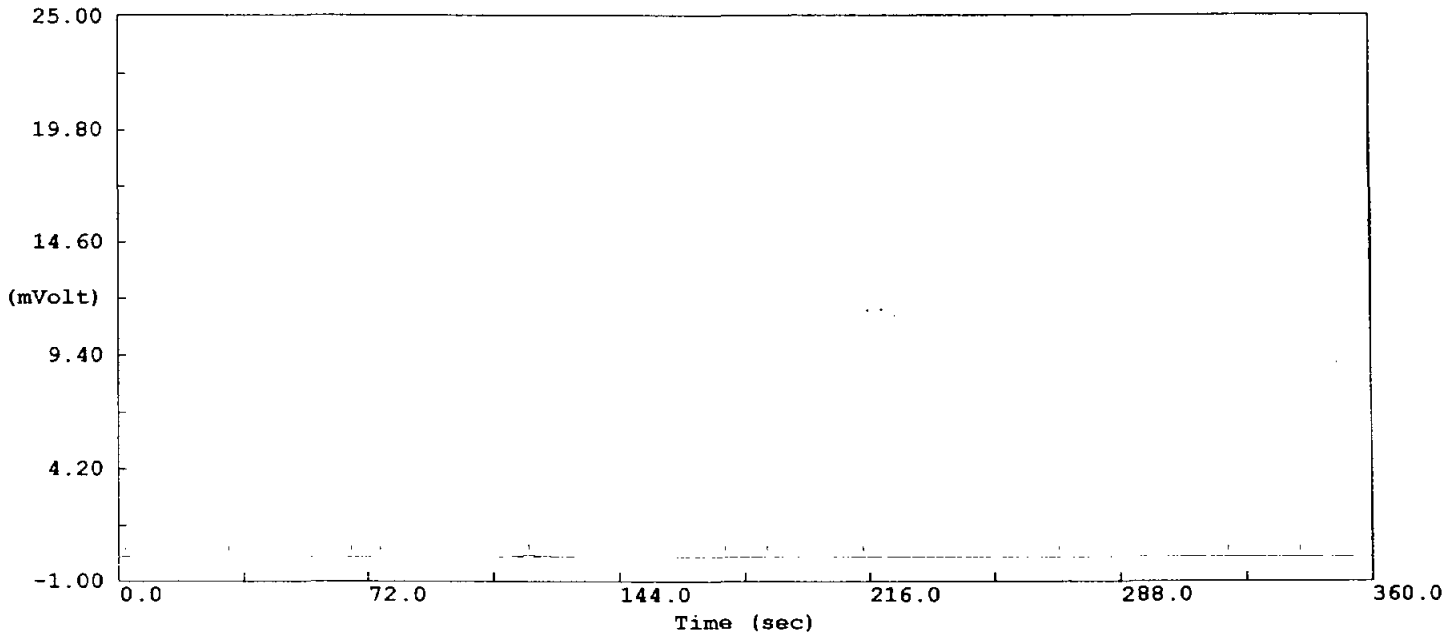
Sample ID	: BLANK (# 53)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120653.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0043	118	8380	TL	1.000000	
Hydrogen	-7.7435583E-01	189	1	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120654.DAT
Sample name :BLANK Analysed :12-06-04 17:16

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 17:16

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 17:22

Sample ID : BLANK (# 54)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120654.DAT

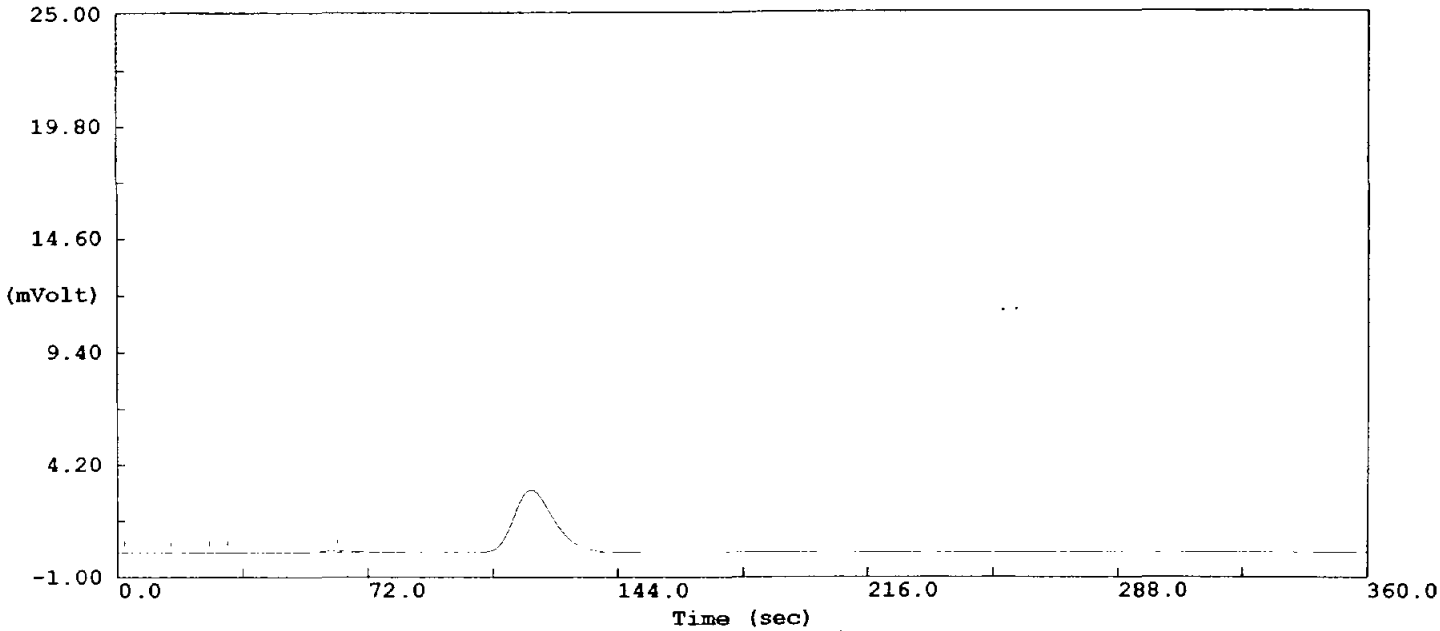
Channel : Channel B
Sample weight : 30

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.1795	45	1	RS	.000000	
Carbon	0.0044	118	8513	RS	1.000000	
Hydrogen	-7.7400088E-01	187	3	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120655.DAT
Sample name :600221DP Analysed :12-06-04 17:22

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:22	Printed	: 12/6/2004 17:28

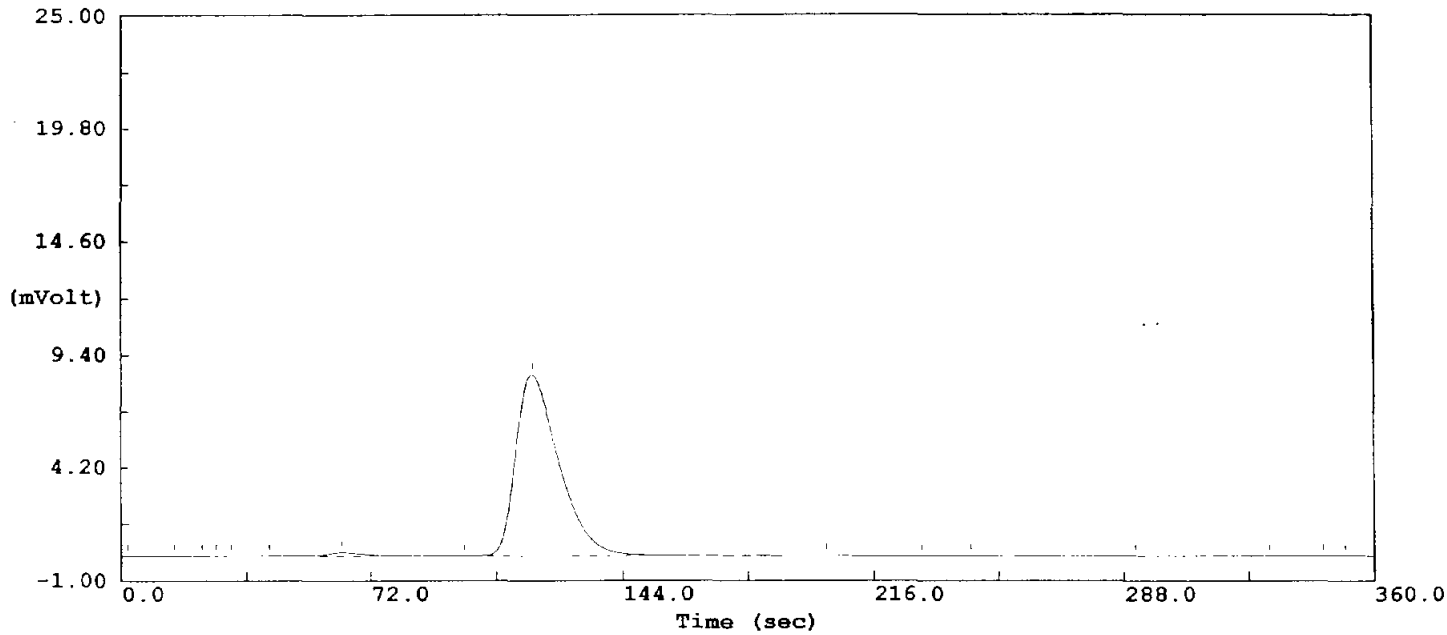
Sample ID	: 600221DP (# 55)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.753
Chromatogram	: C:\EAW\N120655.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.6550	119	381233	RS	1.000000	
Hydrogen	-2.6928327E+00	185	333	RS	1146.565000	

Eager 200 Strip-Chart



Filename C:\EAW\N120656.DAT
Sample name :600222 Analysed :12-06-04 17:28

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:28	Printed	: 12/6/2004 17:34

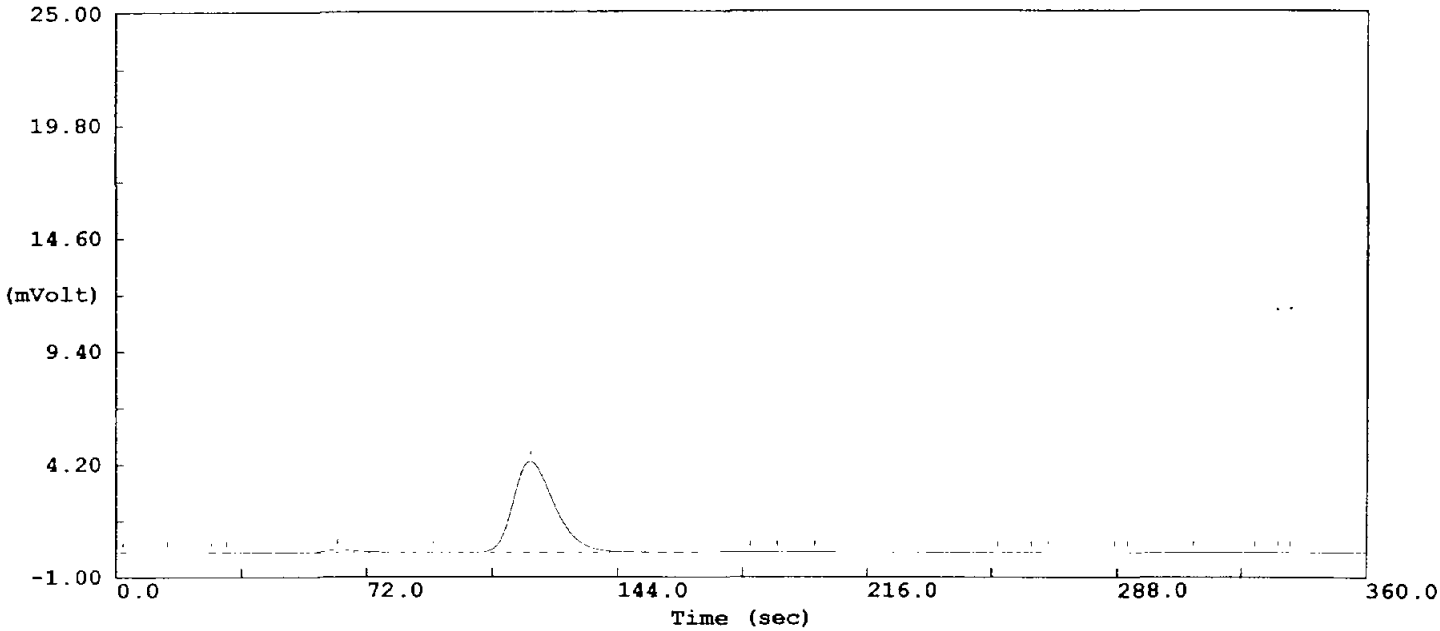
Sample ID	: 600222 (# 56)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 10.105
Chromatogram	: C:\EAW\N120656.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.5337	43	6	RS	.000000	
Carbon	1.5372	119	1169022	TL	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120657.DAT
Sample name :600222 Analysed :12-06-04 17:34

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:34	Printed	: 12/6/2004 17:40

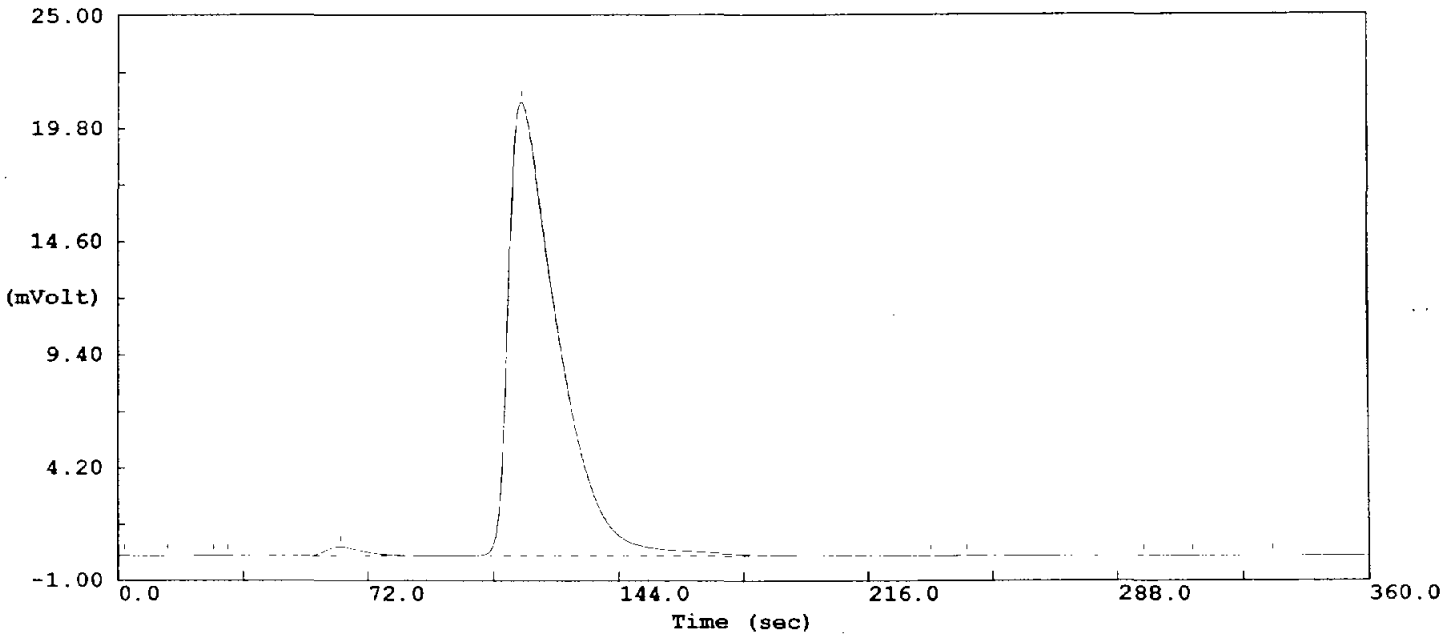
Sample ID	: 600222 (# 57)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.006
Chromatogram	: C:\EAW\N120657.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9402	119	565770	RS	1.000000	
Hydrogen	-2.8848121E+00	182	20	RS	28288.500000	

Eager 200 Strip-Chart



Filename C:\EAW\N120658.DAT
Sample name :600222 Analysed :12-06-04 17:40

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:40	Printed	: 12/6/2004 17:46

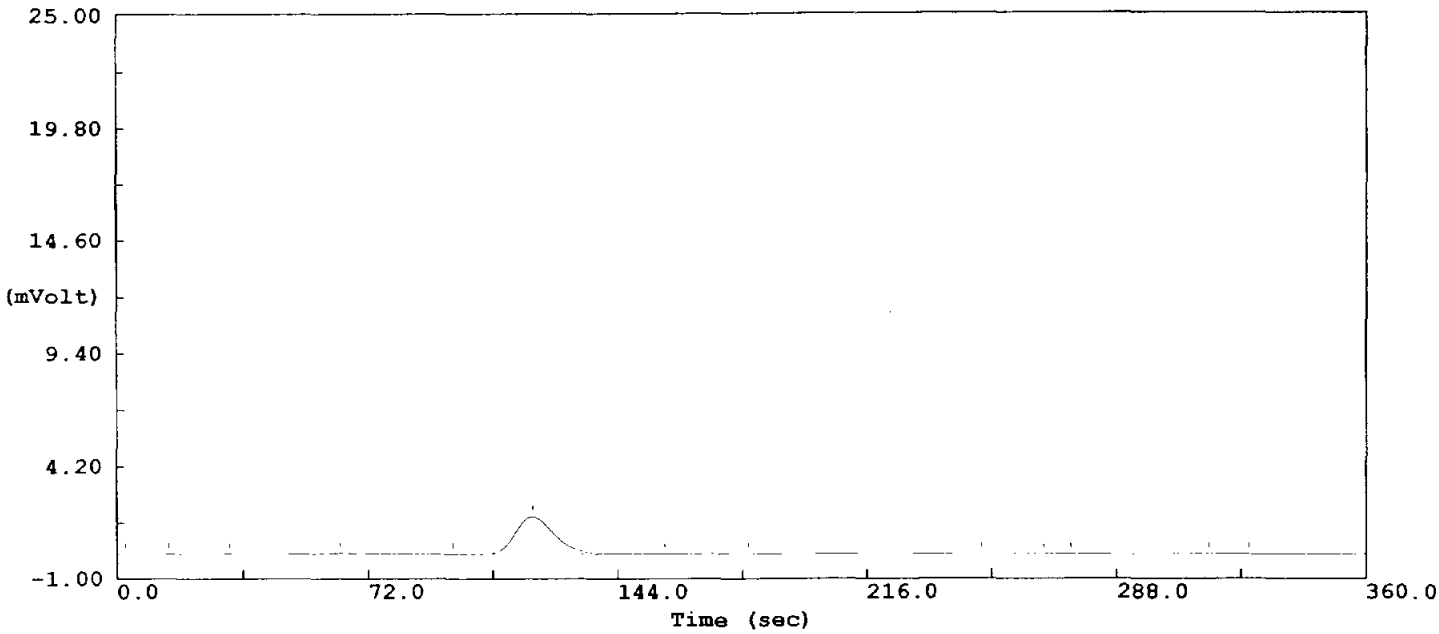
Sample ID	: 600222 (# 58)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.141
Chromatogram	: C:\EAW\N120658.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	4.9913	117	3436428	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120659.DAT
Sample name :600223 Analysed :12-06-04 17:46

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:46	Printed	: 12/6/2004 17:53

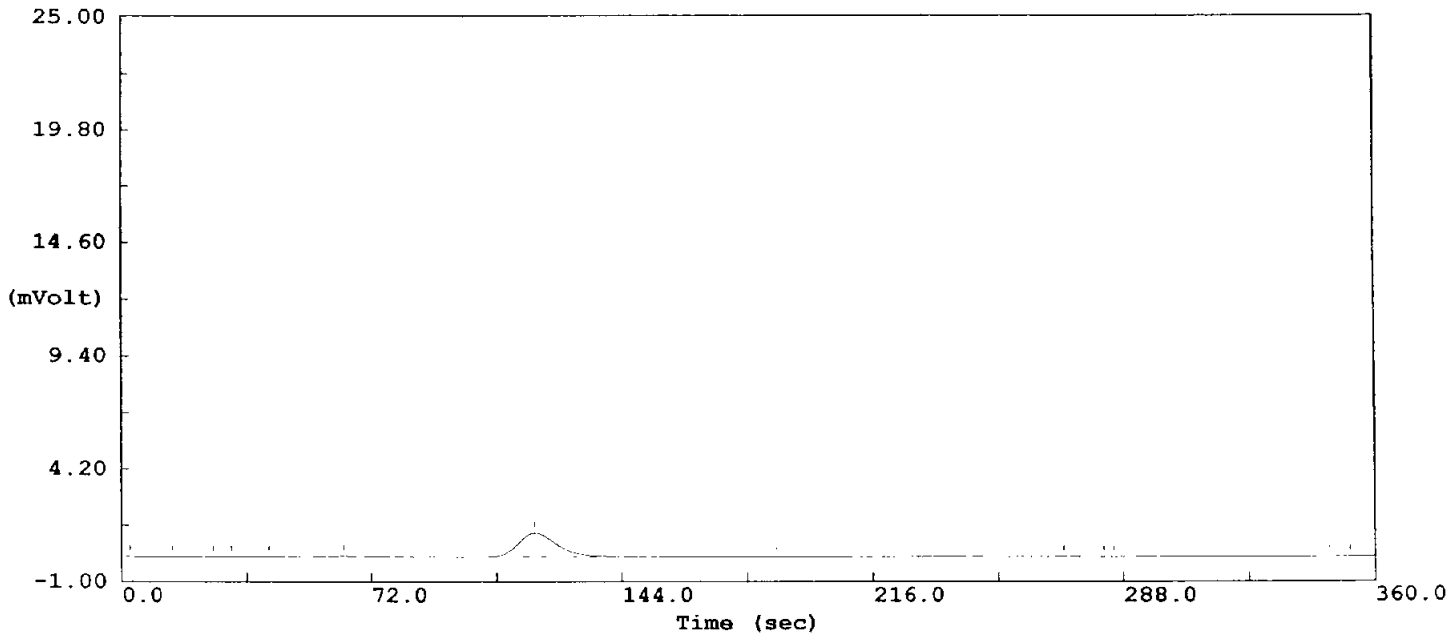
Sample ID	: 600223 (# 59)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.1
Chromatogram	: C:\EAW\N120659.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3351	120	228333	TL	1.000000	
Hydrogen	-2.5520413E+00	182	2	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120660.DAT
Sample name :600223 Analysed :12-06-04 17:53

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:53	Printed	: 12/6/2004 17:59

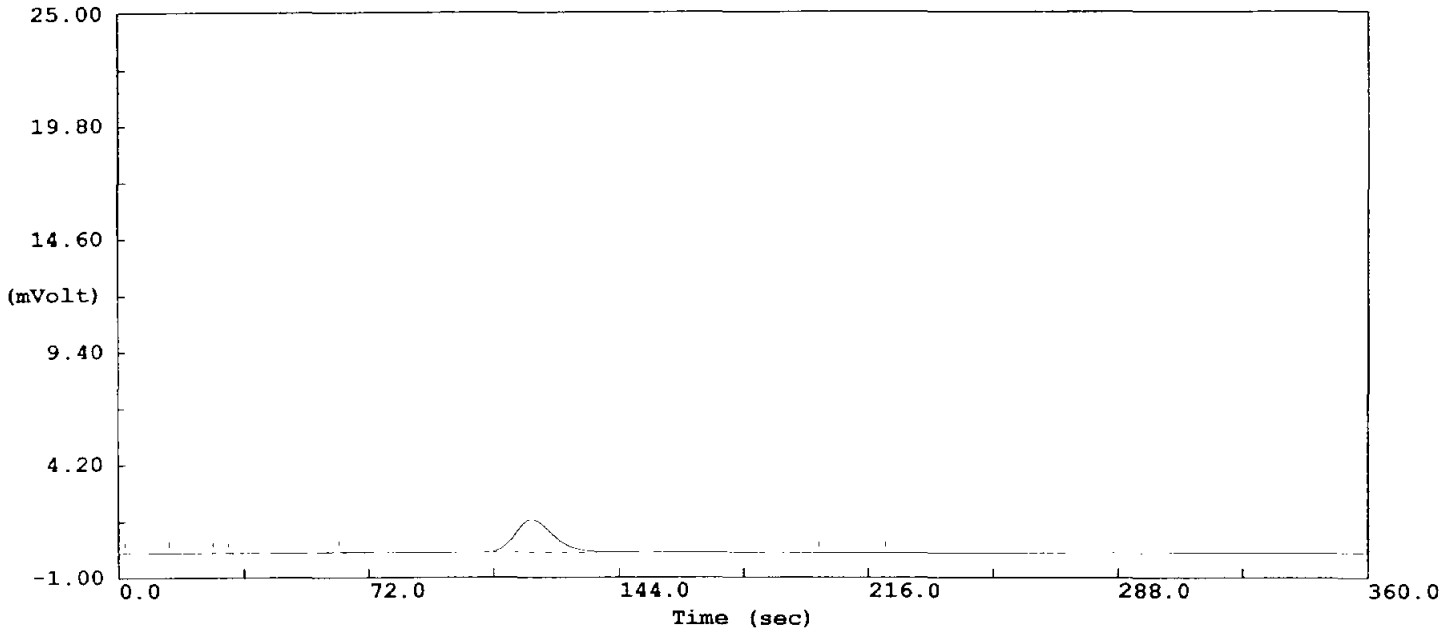
Sample ID	: 600223 (# 60)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.157
Chromatogram	: C:\EAW\N120660.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	1.0447	43	2	RS	.000000	
Carbon	0.3719	119	143119	RS	1.000000	
Hydrogen	-4.4998698E+00	188	5	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120661.DAT
Sample name :600223 Analysed :12-06-04 17:59

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:59	Printed	: 12/6/2004 18:05

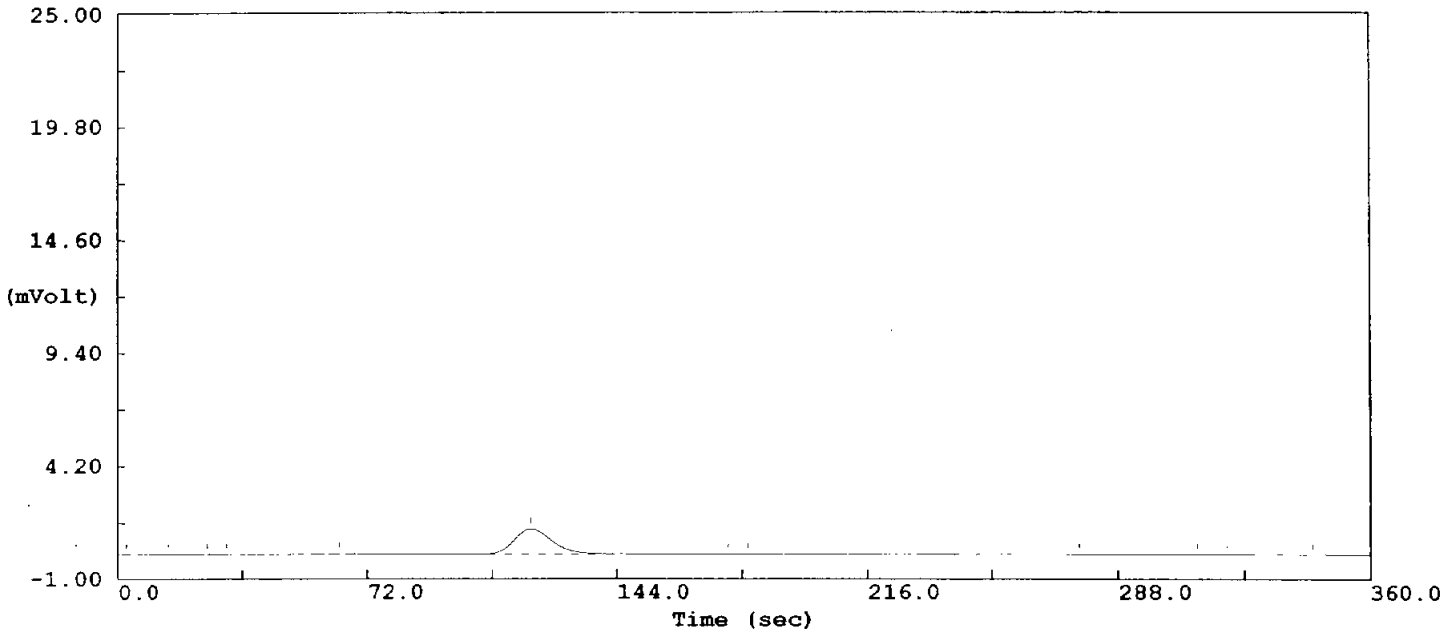
Sample ID	: 600223 (# 61)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.151
Chromatogram	: C:\EAW\N120661.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3242	119	197686	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120662.DAT
Sample name :600224 Analysed :12-06-04 18:05

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:05	Printed	: 12/6/2004 18:11

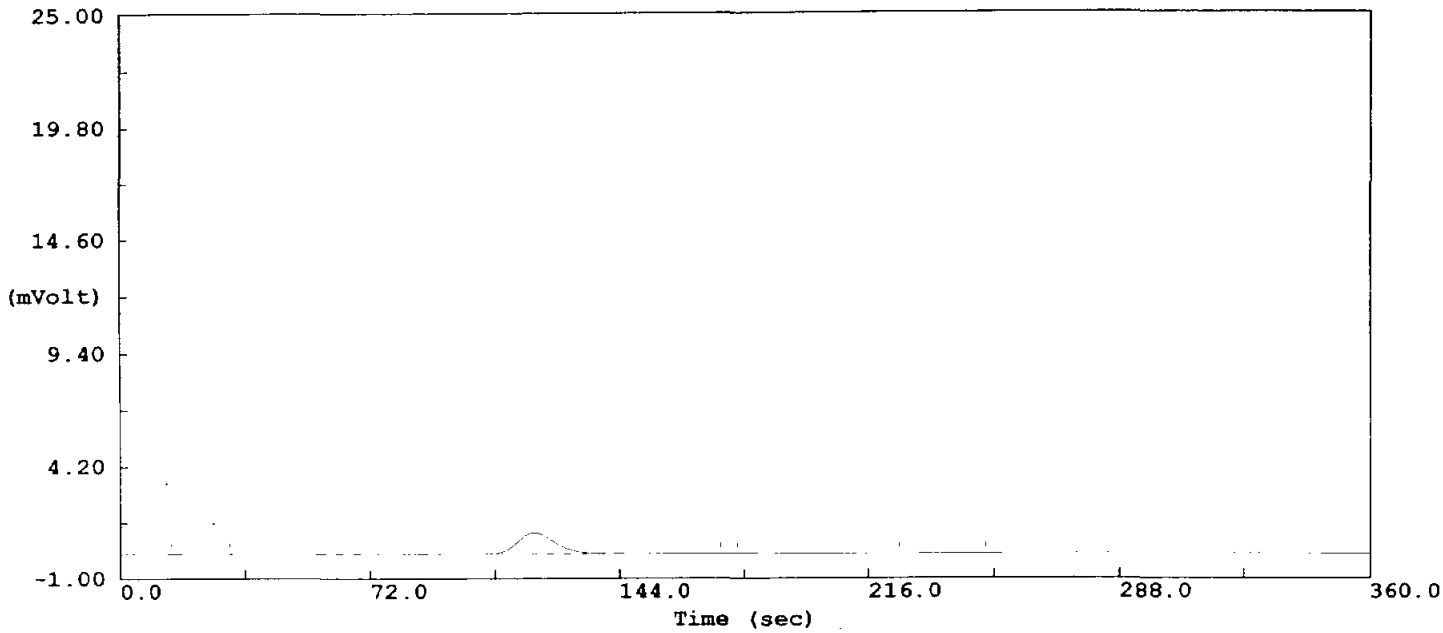
Sample ID	: 600224 (# 62)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.566
Chromatogram	: C:\EAW\N120662.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3007	119	147372	RS	1.000000	
Hydrogen	-3.5358632E+00	182	3	RS	49124.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120663.DAT
Sample name :600224 Analysed :12-06-04 18:11

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 18:11

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 18:17

Sample ID : 600224 (# 63)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120663.DAT

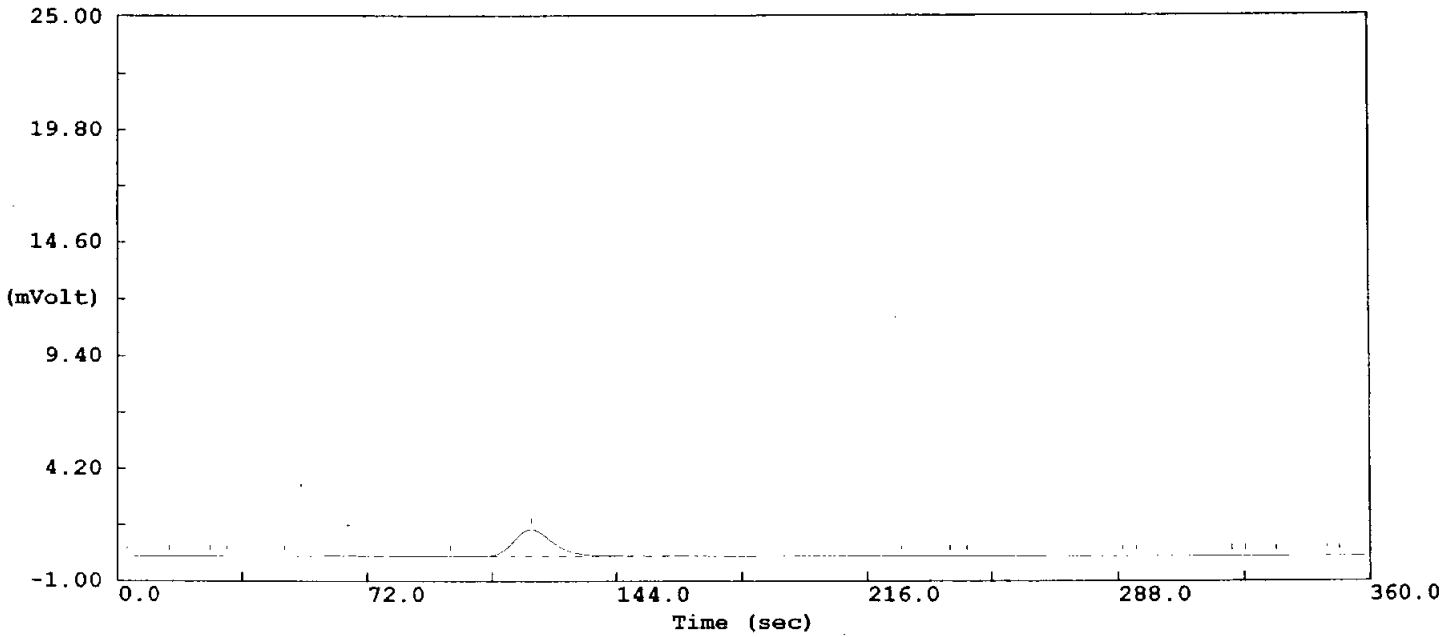
Channel : Channel B
Sample weight : 7.874

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.6846	45	4	FU	.000000	
Carbon	0.2112	119	123909	RS	1.000000	
Hydrogen	-2.9498508E+00	178	2	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120664.DAT
Sample name :600224 Analysed :12-06-04 18:17

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:17	Printed	: 12/6/2004 18:23

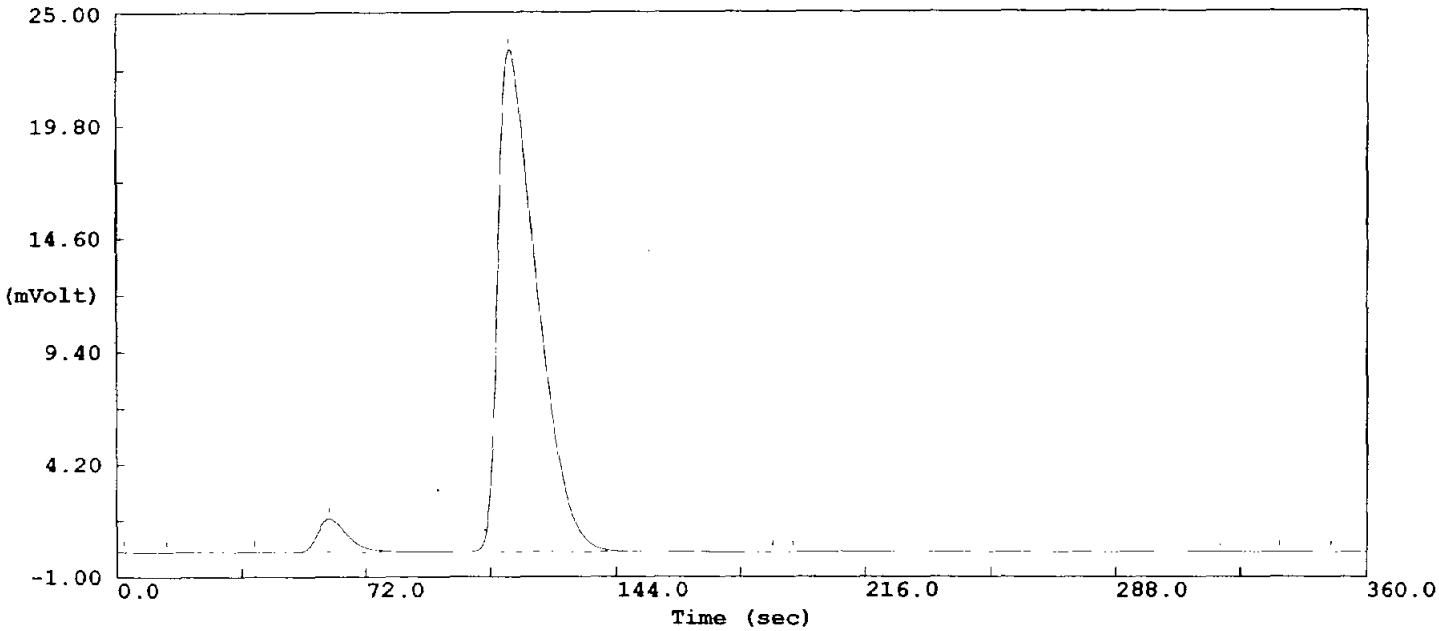
Sample ID	: 600224 (# 64)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.699
Chromatogram	: C:\EAW\N120664.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.6996	48	1	RS	.000000	
Carbon	0.2840	119	163359	RS	1.000000	
Hydrogen	-3.0118306E+00	177	7	RS	15.181800	

Eager 200 Strip-Chart



Filename C:\EAW\N120665.DAT
Sample name :ACETANILIDE Analysed :12-06-04 18:23

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:23	Printed	: 12/6/2004 18:29

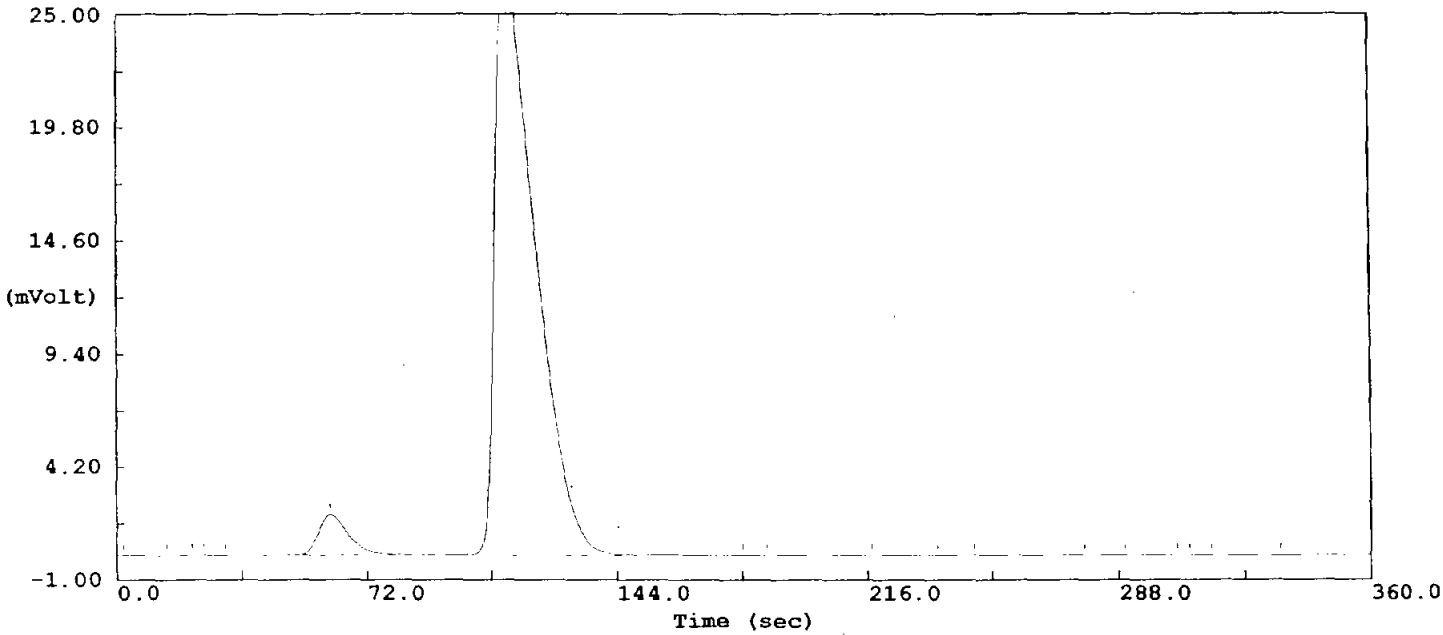
Sample ID	: ACETANILIDE (# 65)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .554
Chromatogram	: C:\EAW\N120665.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	9.7384	40	7	RS	417320.400000	
Carbon	70.0153	113	2921243	RS	1.000000	
Hydrogen	-4.1849339E+01	189	8	RS	389499.100000	

Eager 200 Strip-Chart



Filename C:\EAW\N120666.DAT
Sample name :ACETANILIDE Analysed :12-06-04 18:29

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:29	Printed	: 12/6/2004 18:35

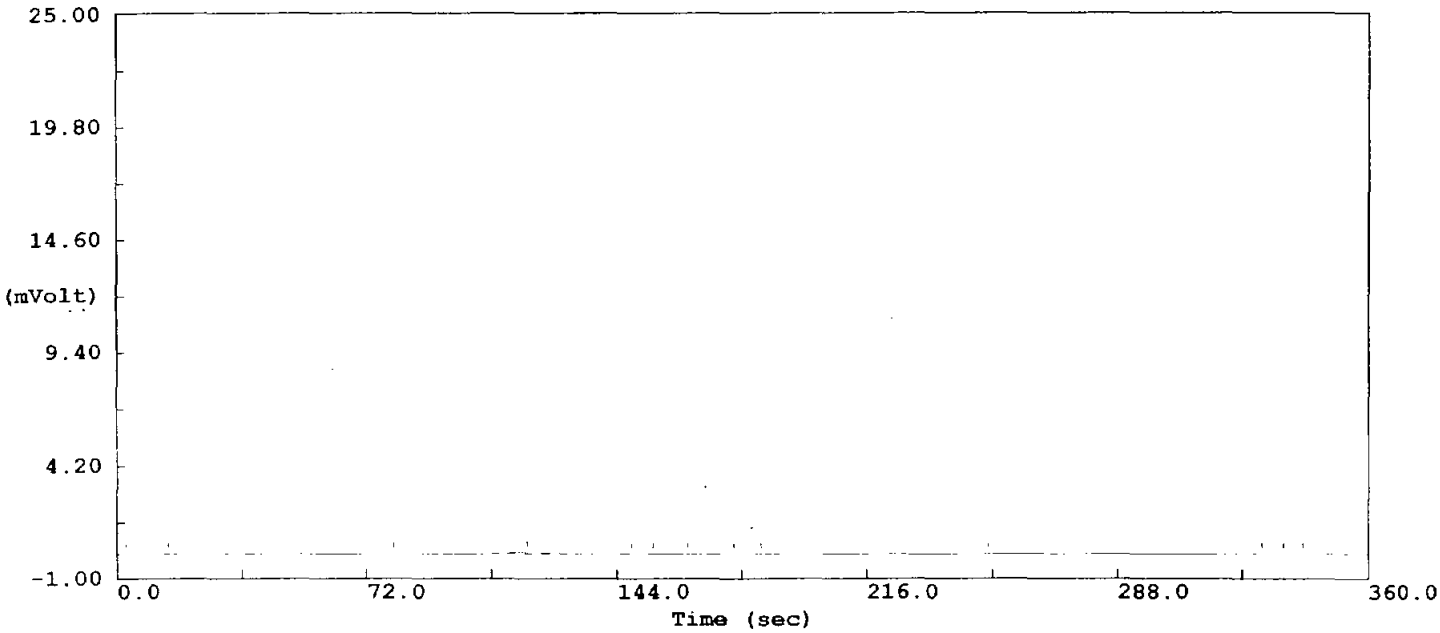
Sample ID	: ACETANILIDE (# 66)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .664
Chromatogram	: C:\EAW\N120666.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	8.1160	41	3	RS	.000000	
Carbon	70.2614	113	3513867	TL	1.000000	
Hydrogen	-3.4911125E+01	187	8	CR	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120667.DAT
Sample name :BLANK Analysed :12-06-04 18:35

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:35	Printed	: 12/6/2004 18:41

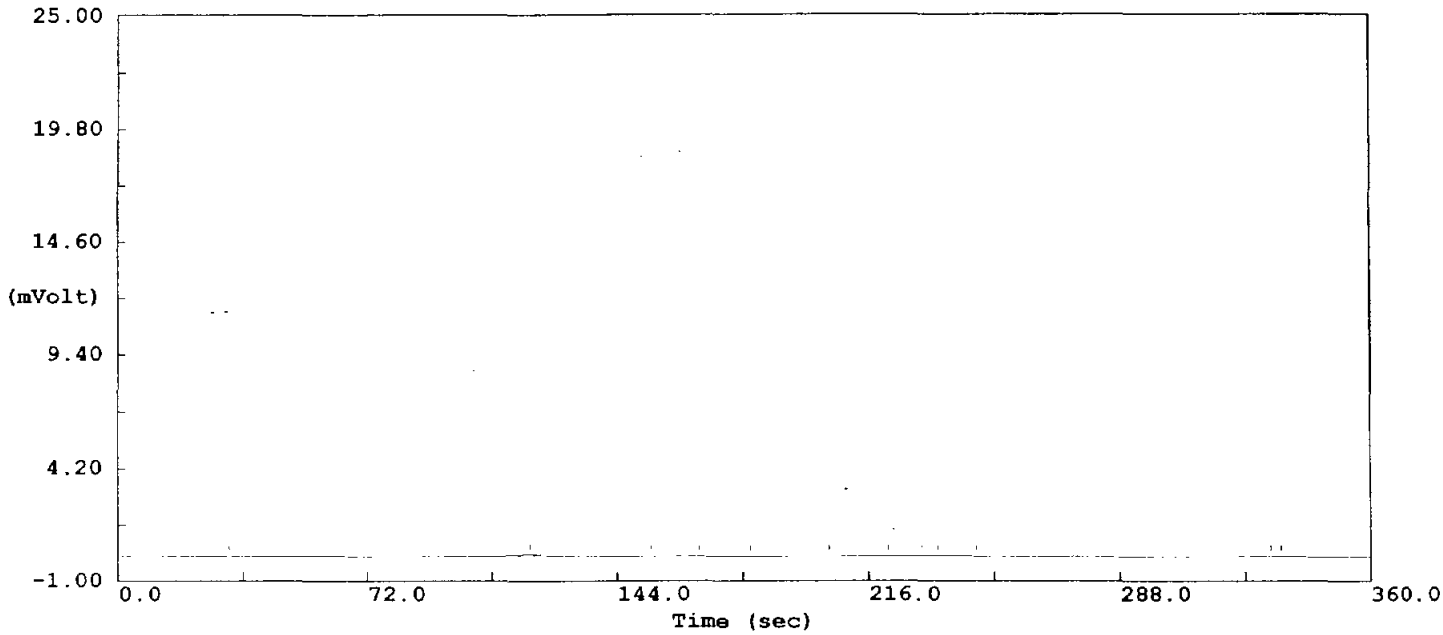
Sample ID	: BLANK (# 67)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120667.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0047	118	9249	RS	1.000000	
Hydrogen	-7.7317274E-01	186	6	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120668.DAT
Sample name :BLANK Analysed :12-06-04 18:41

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:41	Printed	: 12/6/2004 18:47

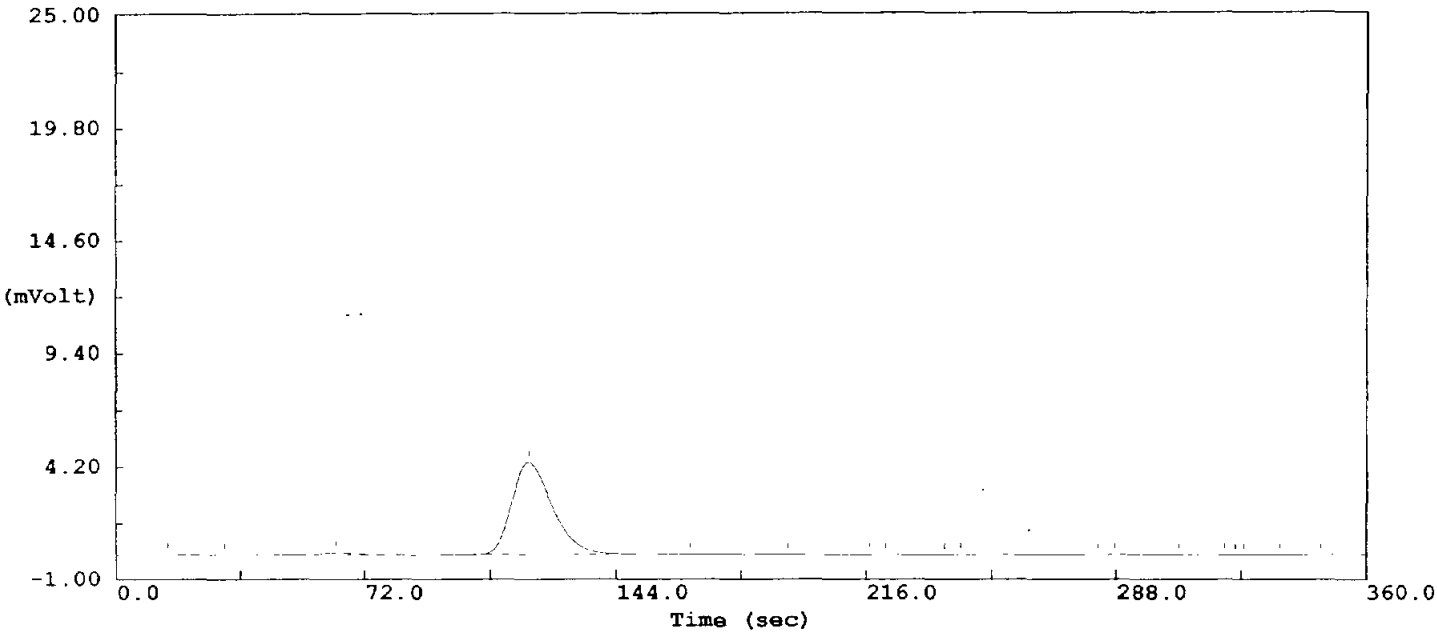
Sample ID	: BLANK (# 68)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120668.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0043	119	8244	RS	1.000000	
Hydrogen	-7.7222627E-01	182	10	RS	824.400000	

Eager 200 Strip-Chart



Filename C:\EAW\N120669.DAT
Sample name :600225 Analysed :12-06-04 18:47

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 18:47

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 18:54

Sample ID : 600225 (# 69)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120669.DAT

Channel : Channel B
Sample weight : 9.131

Calib. method : using 'Least Squares to Linear fit'

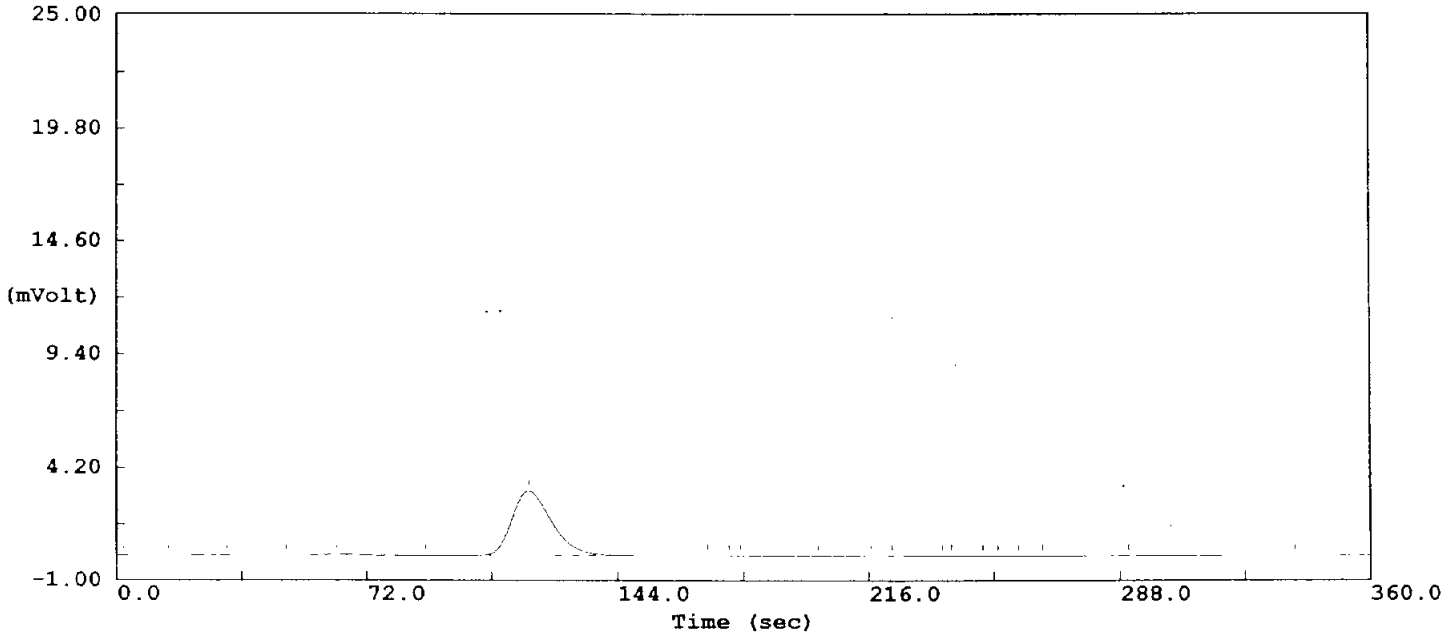
!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8180	119	561391	TL	1.000000	
Hydrogen	-2.5418224E+00	194	4	RS	140347.800000	

47743 7

01851

Eager 200 Strip-Chart



Filename C:\EAW\N120670.DAT
Sample name :600225 Analysed :12-06-04 18:54

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 18:54

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 19:00

Sample ID : 600225 (# 70)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120670.DAT

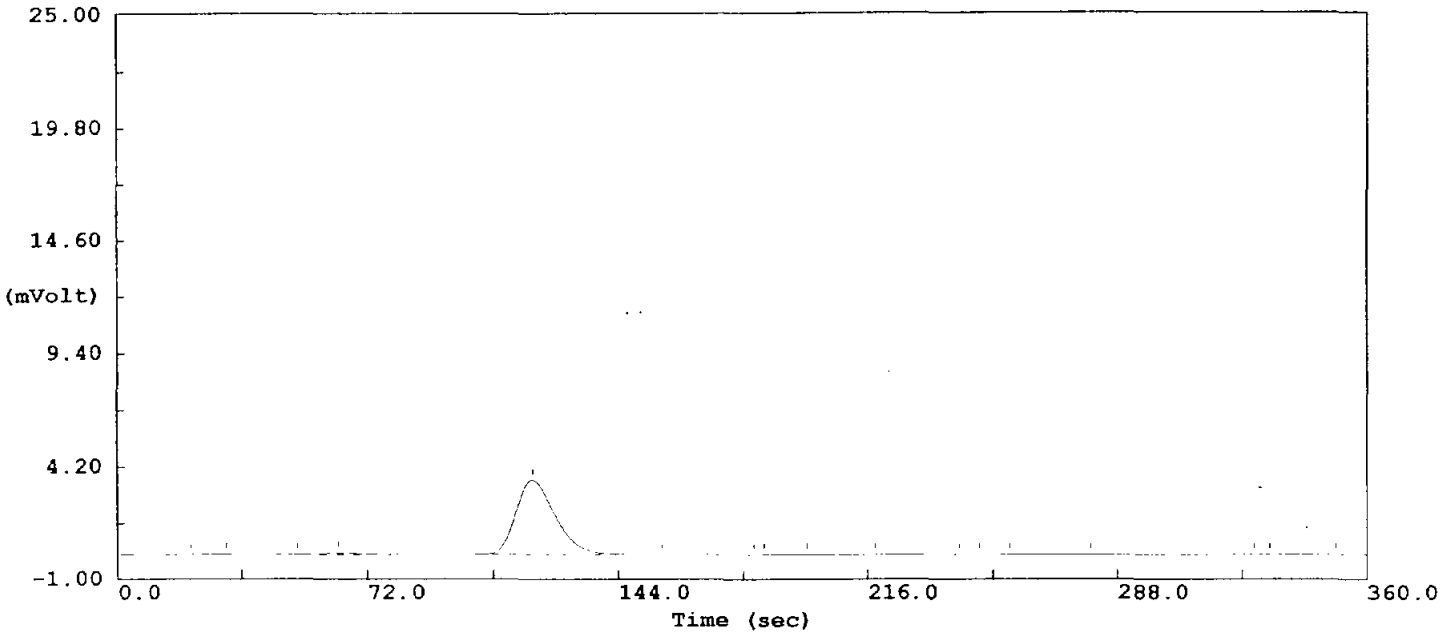
Channel : Channel B
Sample weight : 6.725

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.8038	49	14	FU	.000000	
Carbon	0.7555	119	381424	TL	1.000000	
Hydrogen	-3.4427645E+00	192	12	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120671.DAT
Sample name :600225 Analysed :12-06-04 19:00

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 19:00

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 19:06

Sample ID : 600225 (# 71)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120671.DAT

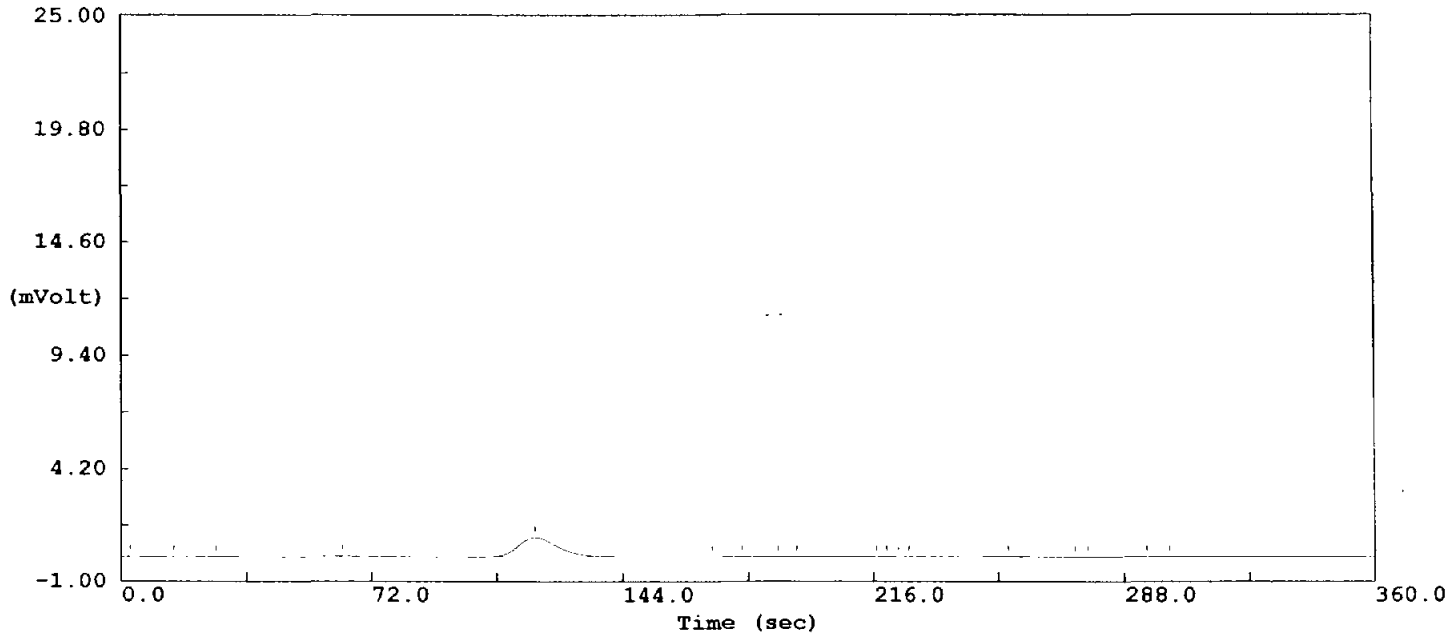
Channel : Channel B
Sample weight : 6.307

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9433	120	446851	TL	1.000000	
Hydrogen	-3.6731865E+00	186	10	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120672.DAT
Sample name :600226 Analysed :12-06-04 19:06

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:06	Printed	: 12/6/2004 19:12

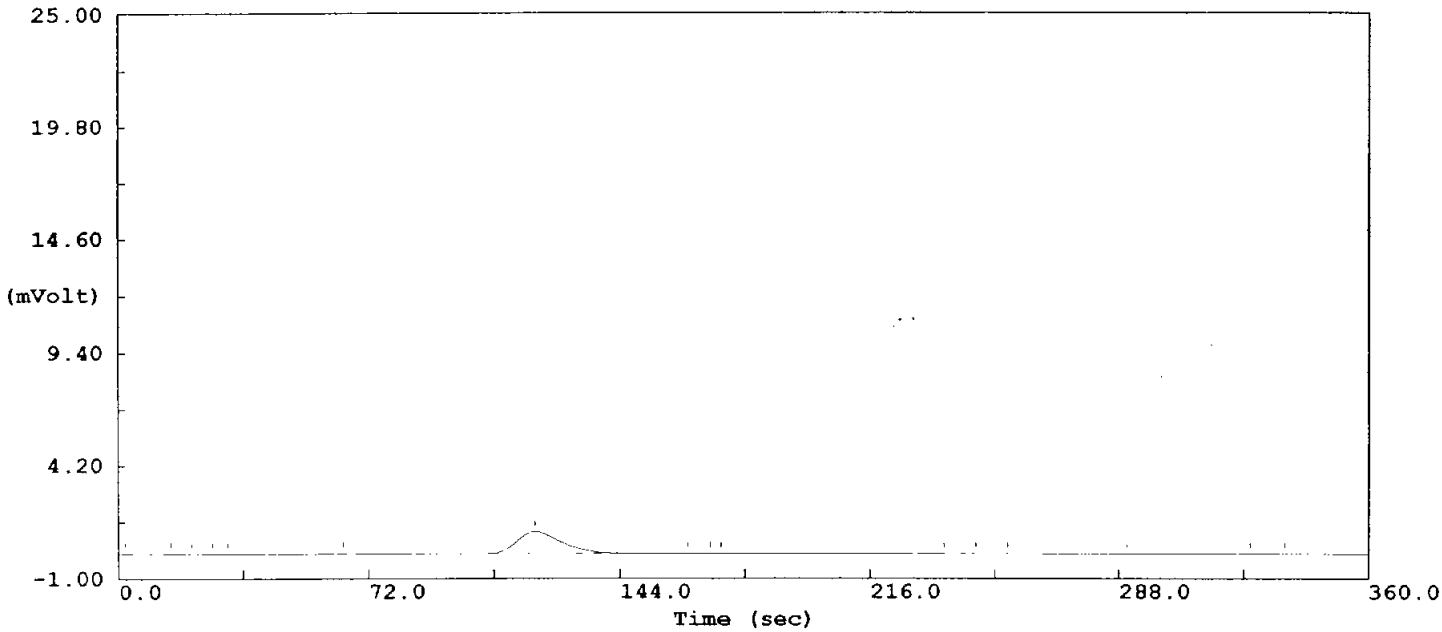
Sample ID	: 600226 (# 72)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.184
Chromatogram	: C:\EAW\N120672.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2512	119	115629	RS	1.000000	
Hydrogen	-3.7439508E+00	189	12	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120673.DAT
Sample name :600226 Analysed :12-06-04 19:12

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:12	Printed	: 12/6/2004 19:18

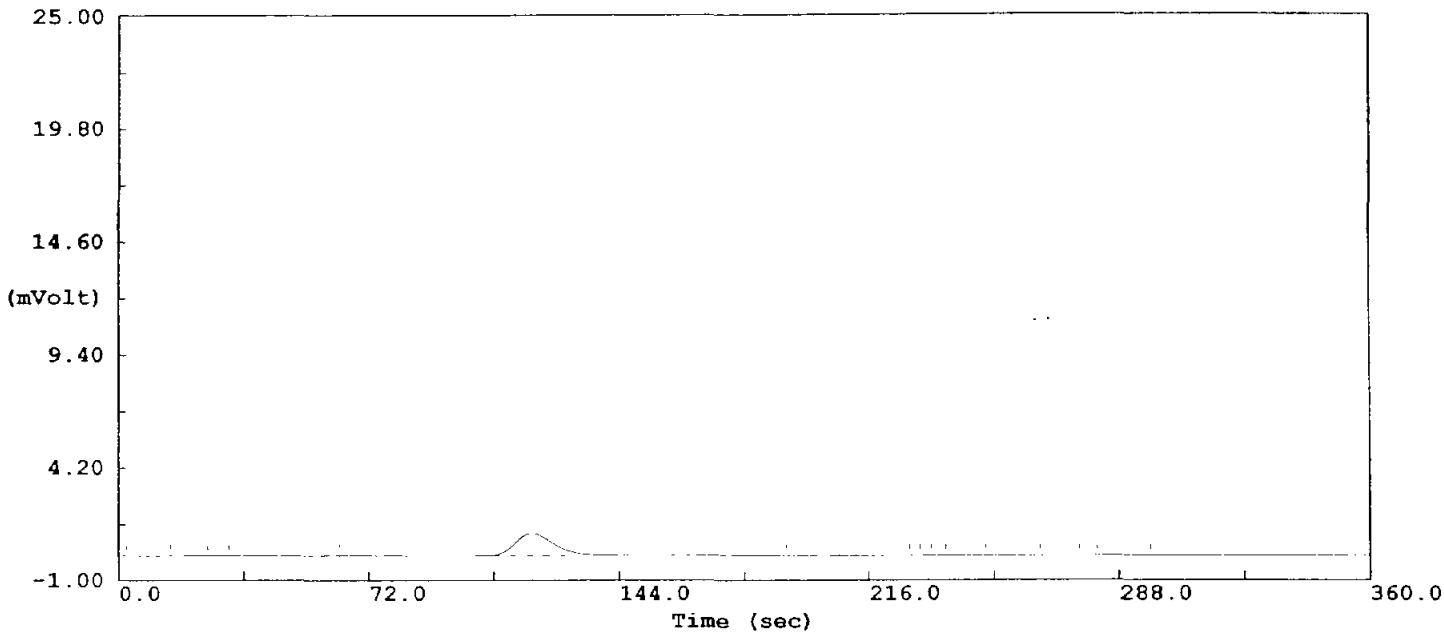
Sample ID	: 600226 (# 73)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.444
Chromatogram	: C:\EAW\N120673.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3040	120	146203	TL	1.000000	
Hydrogen	-3.6017039E+00	173	4	CR	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120674.DAT
Sample name :600226 Analysed :12-06-04 19:18

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:18	Printed	: 12/6/2004 19:24

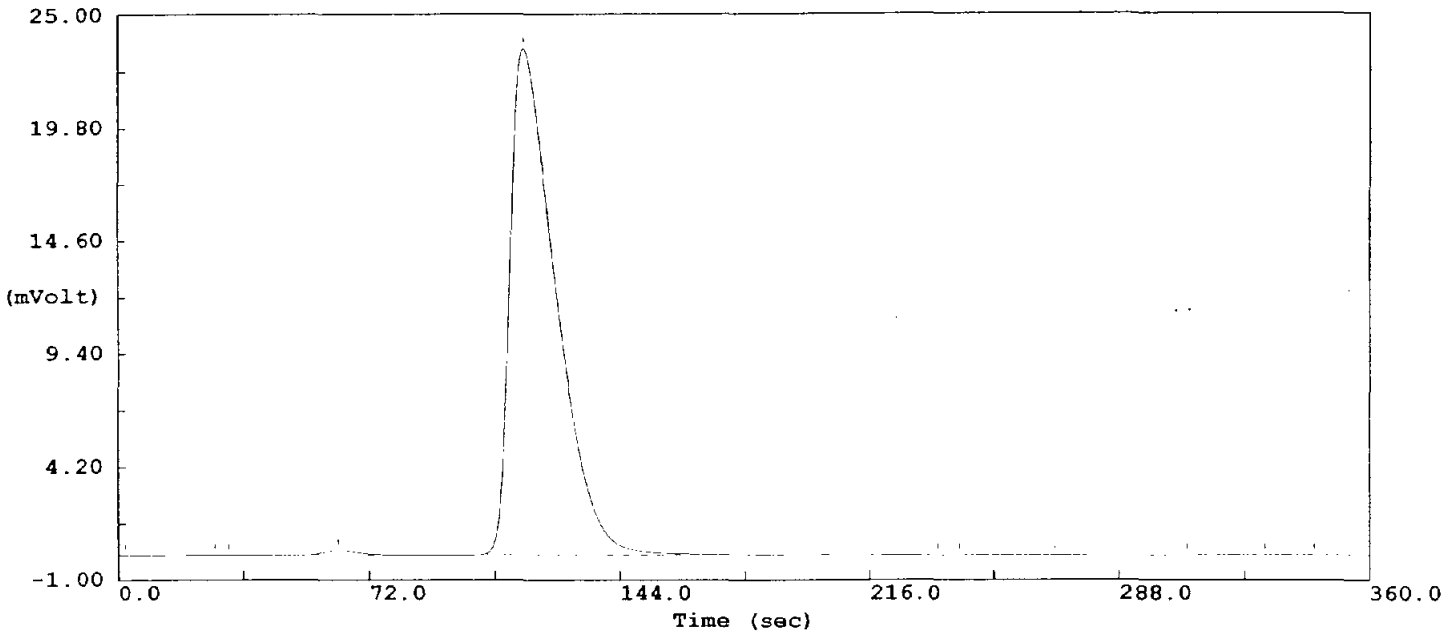
Sample ID	: 600226 (# 74)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.38
Chromatogram	: C:\EAW\N120674.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2441	119	134341	RS	1.000000	
Hydrogen	-1.3346959E+00	192	1886	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120675.DAT
Sample name :600412 Analysed :12-06-04 19:24

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:24	Printed	: 12/6/2004 19:30

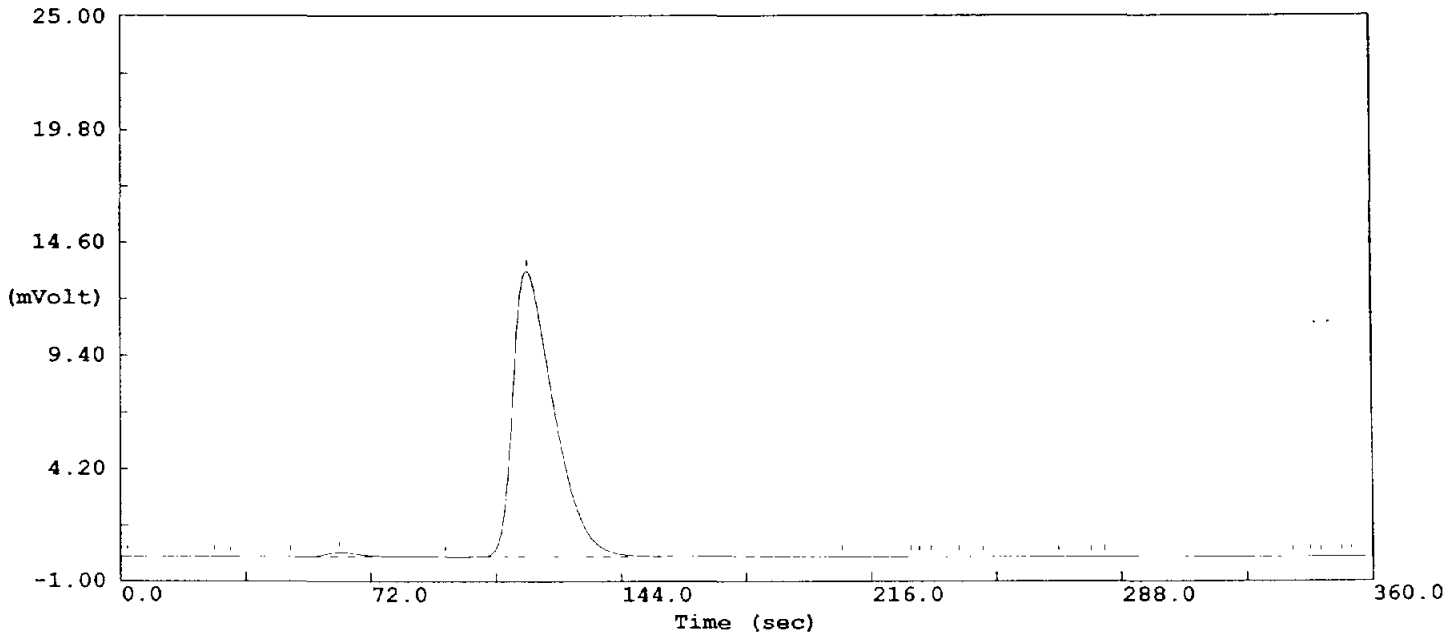
Sample ID	: 600412 (# 75)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.389
Chromatogram	: C:\EAW\N120675.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	1.2292	45	7	RS	512008.800000	
Carbon	10.8419	116	3584062	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120676.DAT
Sample name :600412 Analysed :12-06-04 19:30

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 19:30

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 19:36

Sample ID : 600412 (# 76)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120676.DAT

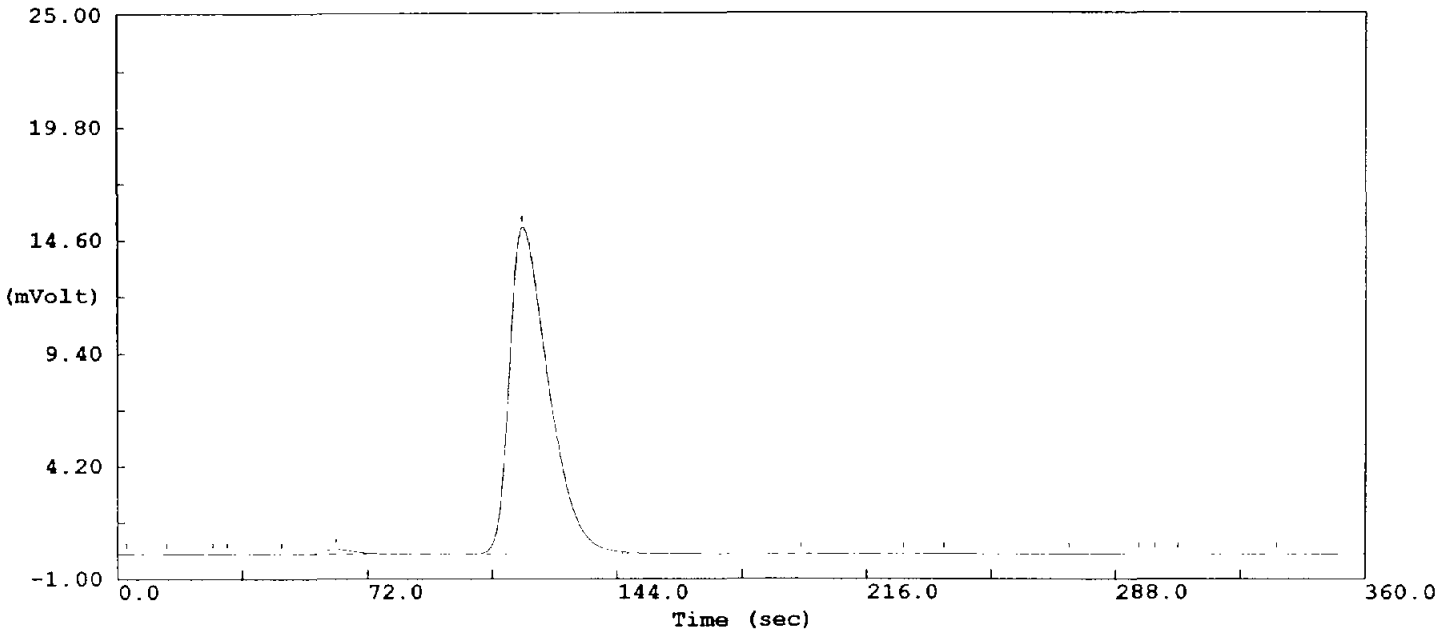
Channel : Channel B
Sample weight : 4.259

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	5.6379	118	1807850	TL	1.000000	
Hydrogen	-3.7894583E+00	172	1000	CR	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120677.DAT
Sample name :600412 Analysed :12-06-04 19:36

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 19:36
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 19:42

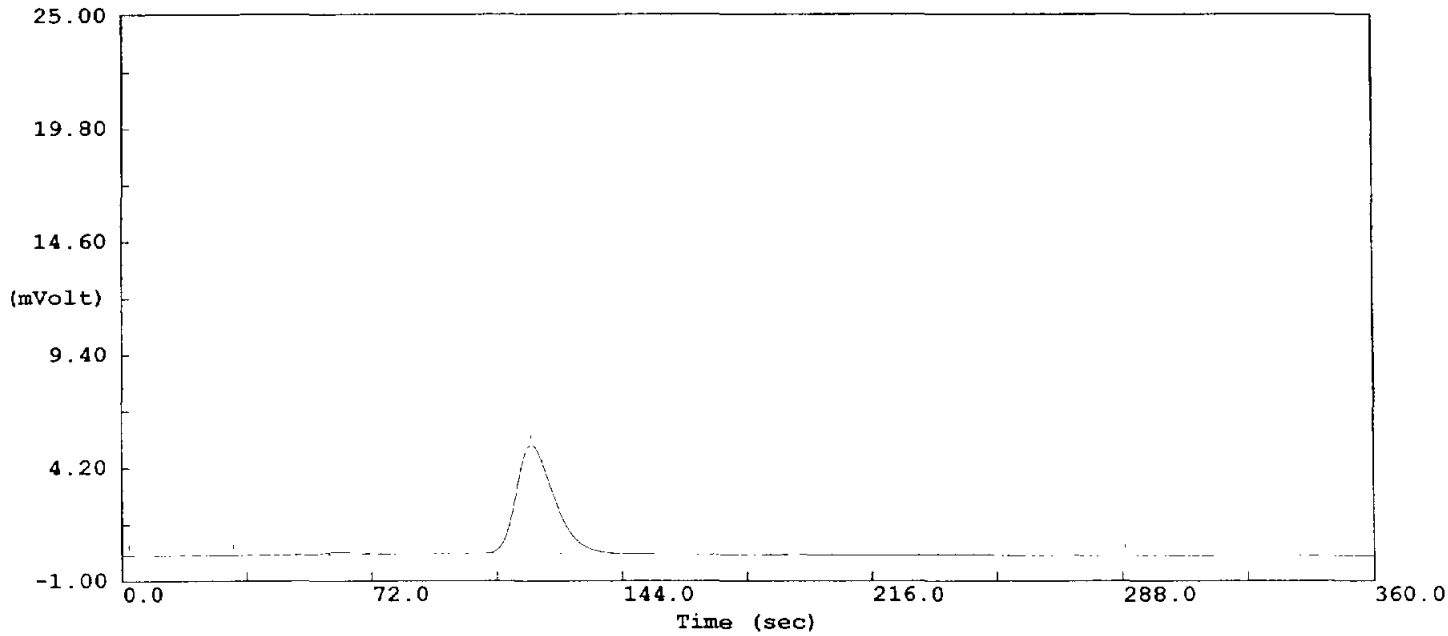
Sample ID : 600412 (# 77)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120677.DAT
Channel : Channel B
Sample weight : 4.221

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	1.2771	48	4	RS	495961.500000	
Carbon	6.2420	117	1983846	RS	1.000000	
Hydrogen	-4.9604044E+00	197	324	RS	6122.981000	

Eager 200 Strip-Chart



Filename C:\EAW\N120678.DAT
Sample name :600413 Analysed :12-06-04 19:42

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:42	Printed	: 12/6/2004 19:48

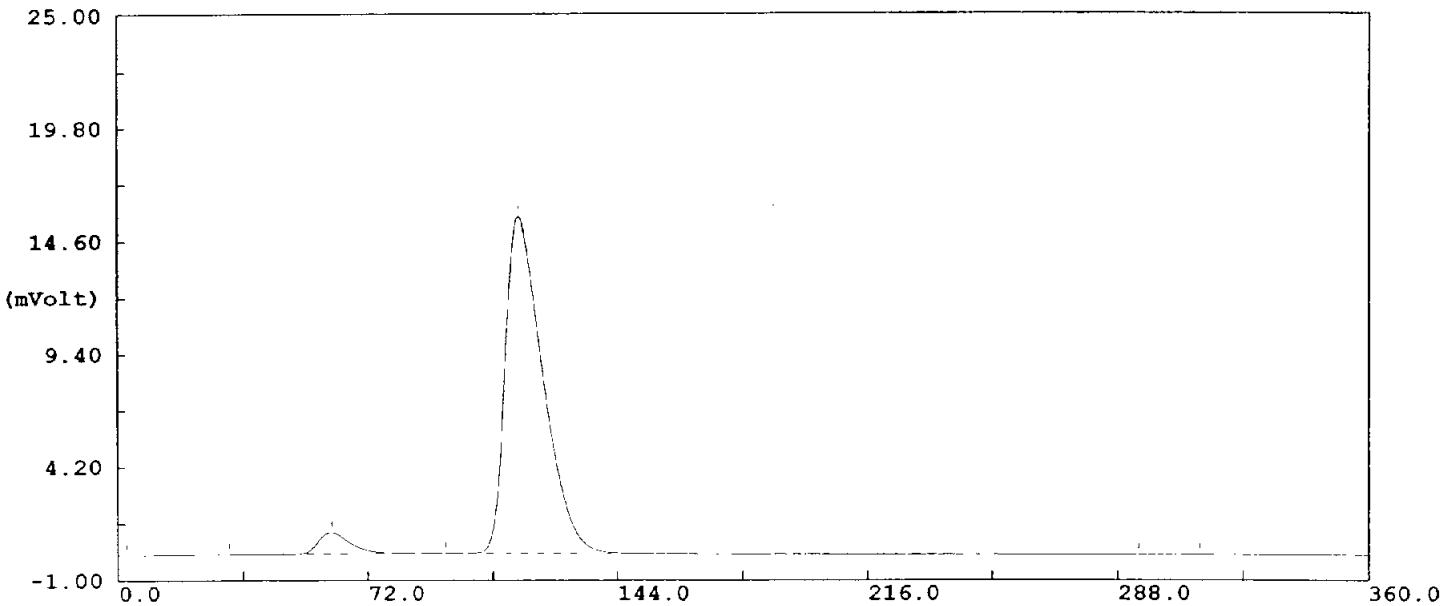
Sample ID	: 600413 (# 78)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.356
Chromatogram	: C:\EAW\N120678.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.3317	118	636366	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120679.DAT
Sample name :ACETANILIDE Analysed :12-06-04 19:48

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:48	Printed	: 12/6/2004 19:54

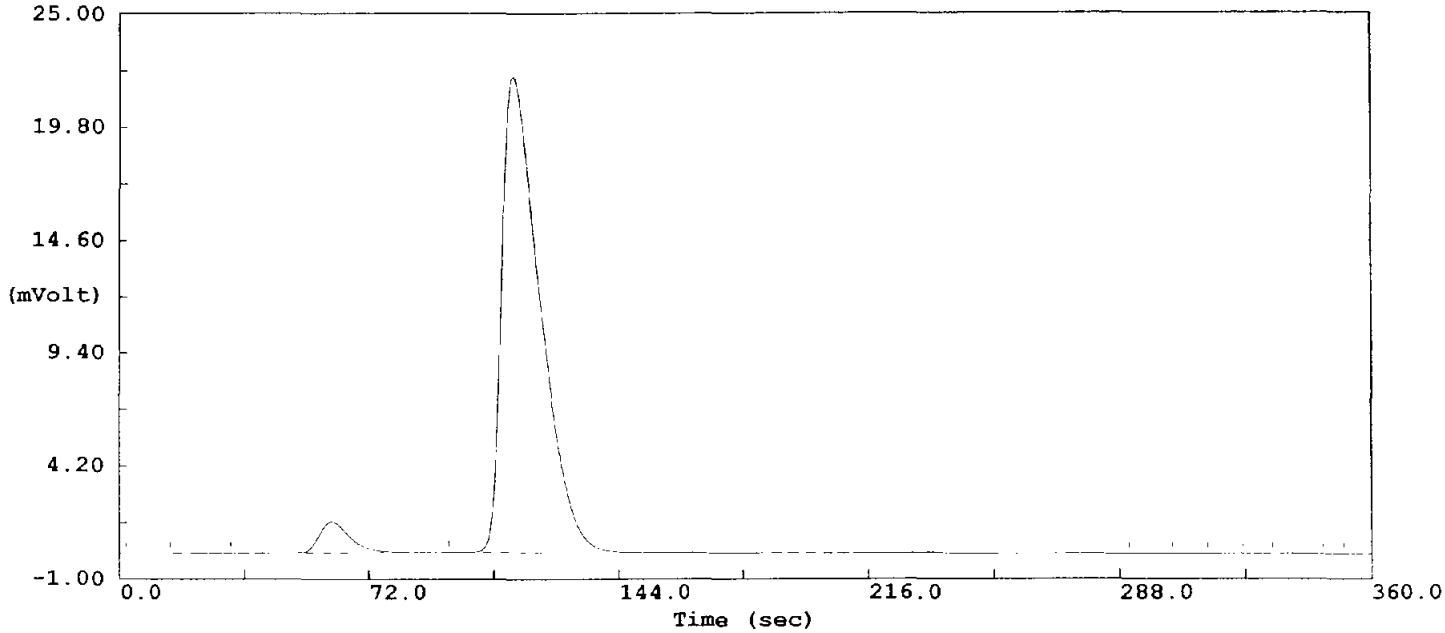
Sample ID	: ACETANILIDE (# 79)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .362
Chromatogram	: C:\EAW\N120679.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	71.1296	115	1938734	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120680.DAT
Sample name :ACETANILIDE Analysed :12-06-04 19:55

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:55	Printed	: 12/6/2004 20:01

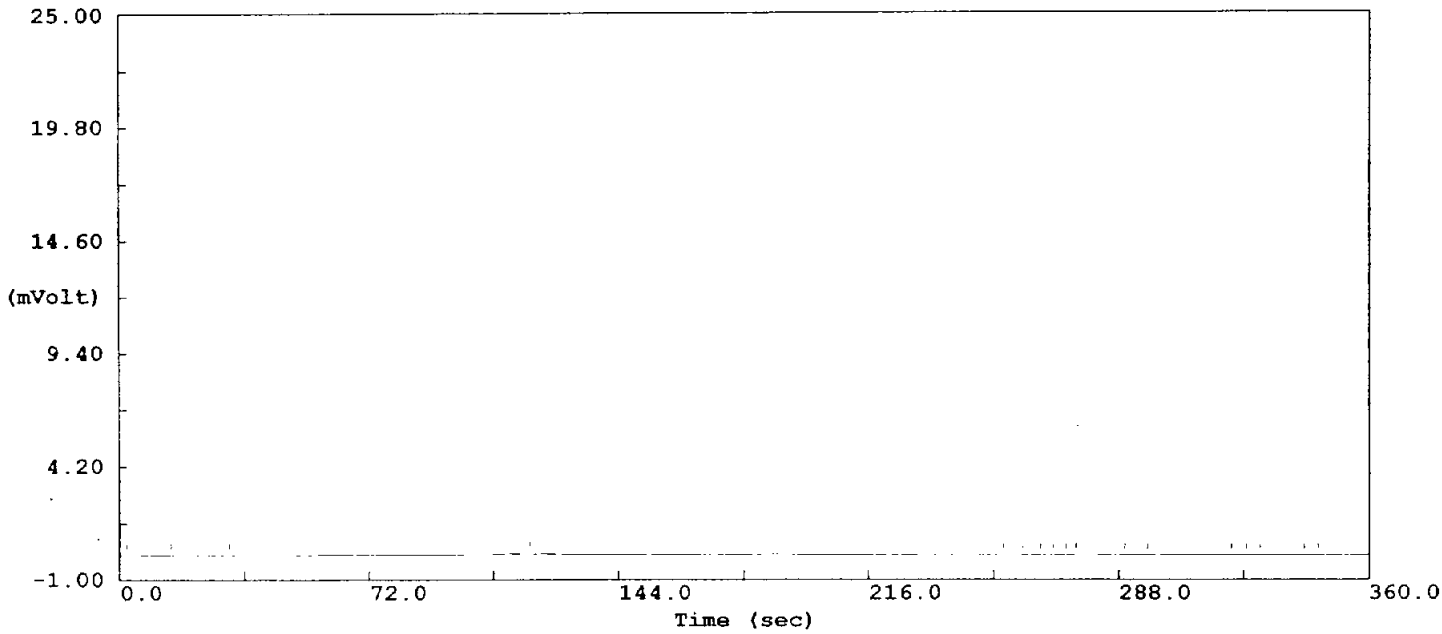
Sample ID	: ACETANILIDE (# 80)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .521
Chromatogram	: C:\EAW\N120680.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	70.3713	114	2761125	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120681.DAT
Sample name :BLANK Analysed :12-06-04 20:01

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 20:01
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 20:07

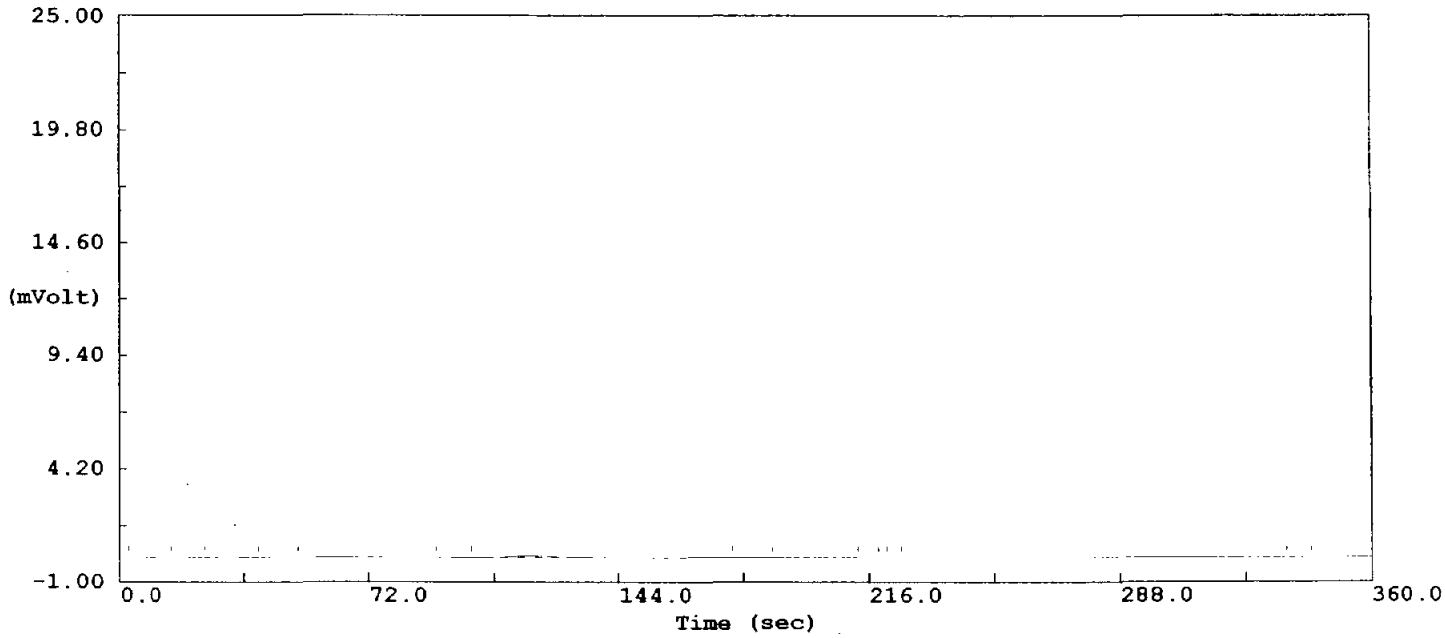
Sample ID : BLANK (# 81)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120681.DAT
Channel : Channel B
Sample weight : 30

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0049	118	9645	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120682.DAT
Sample name :BLANK Analysed :12-06-04 20:07

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:07	Printed	: 12/6/2004 20:13

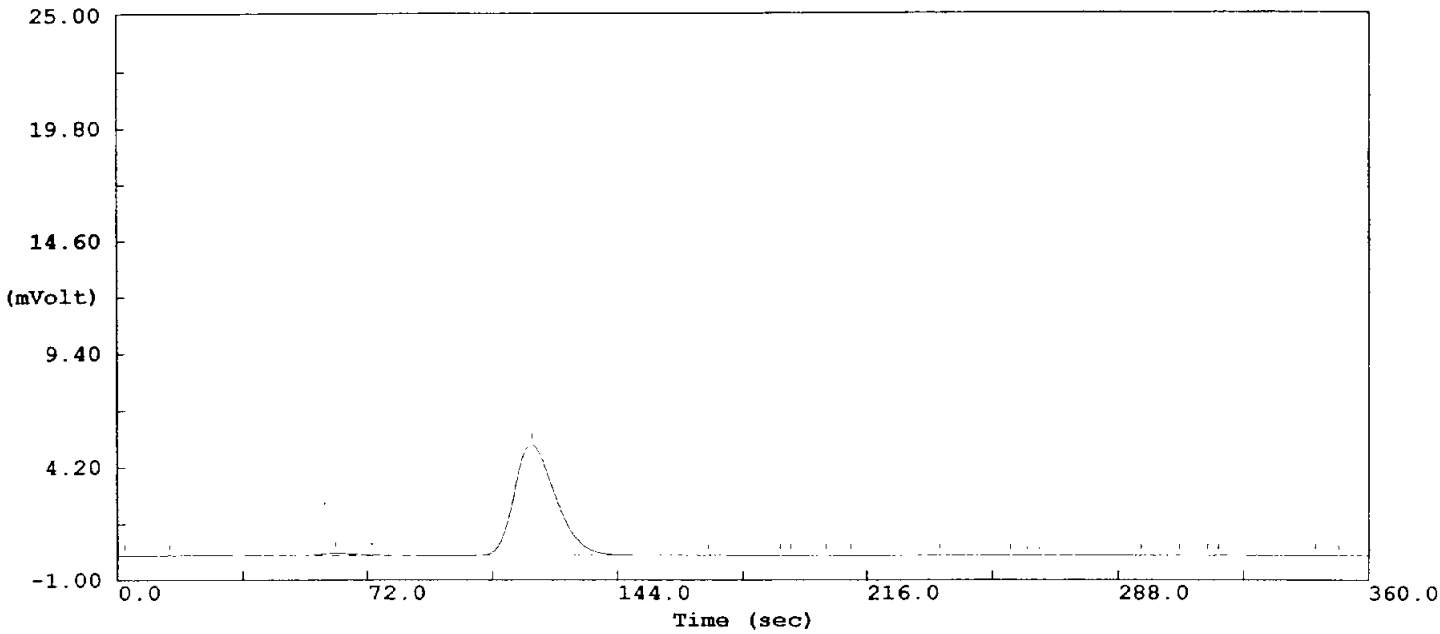
Sample ID	: BLANK (# 82)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120682.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.1802	40	15	RS	.000000	
Carbon	0.0052	119	10374	RS	1.000000	
Hydrogen	-7.7388257E-01	188	3	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120683.DAT
Sample name :600413 Analysed :12-06-04 20:13

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:13	Printed	: 12/6/2004 20:19

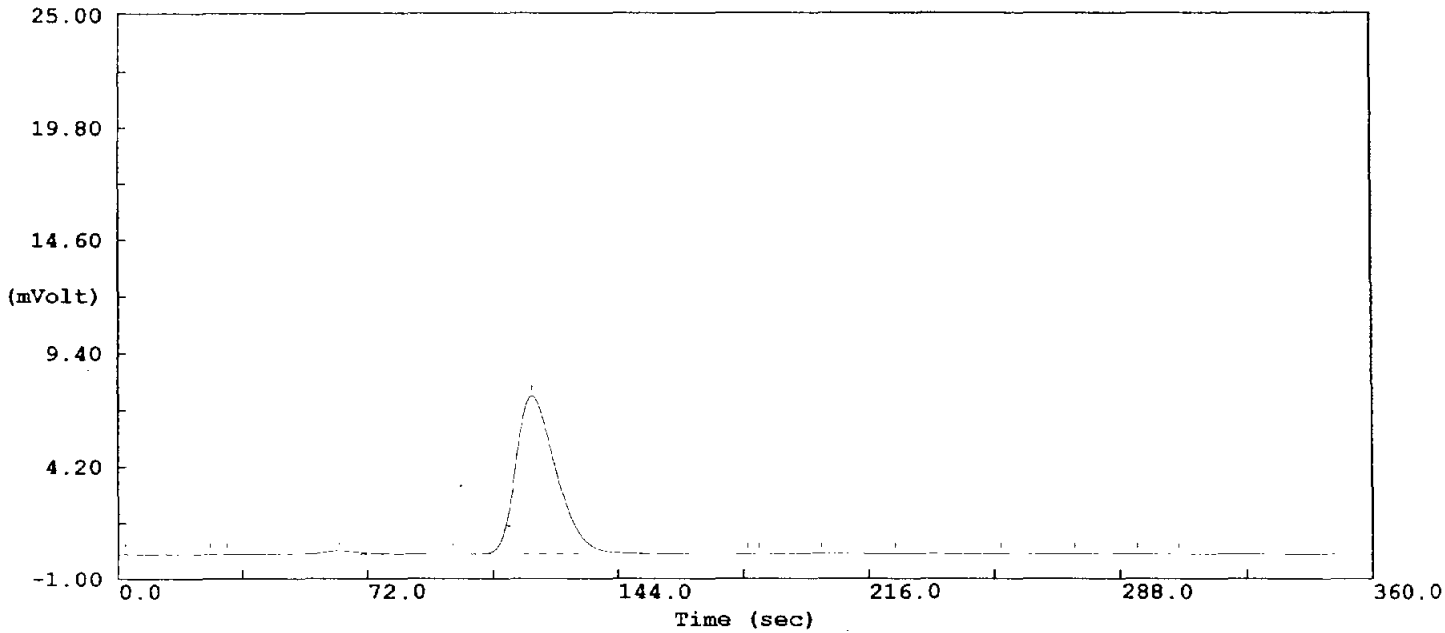
Sample ID	: 600413 (# 83)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.51
Chromatogram	: C:\EAW\N120683.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.0054	119	680072	TL	1.000000	
Hydrogen	-5.1469908E+00	191	4	RS	194306.300000	

Eager 200 Strip-Chart



Filename C:\EAW\N120684.DAT
Sample name :600413 Analysed :12-06-04 20:19

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:19	Printed	: 12/6/2004 20:25

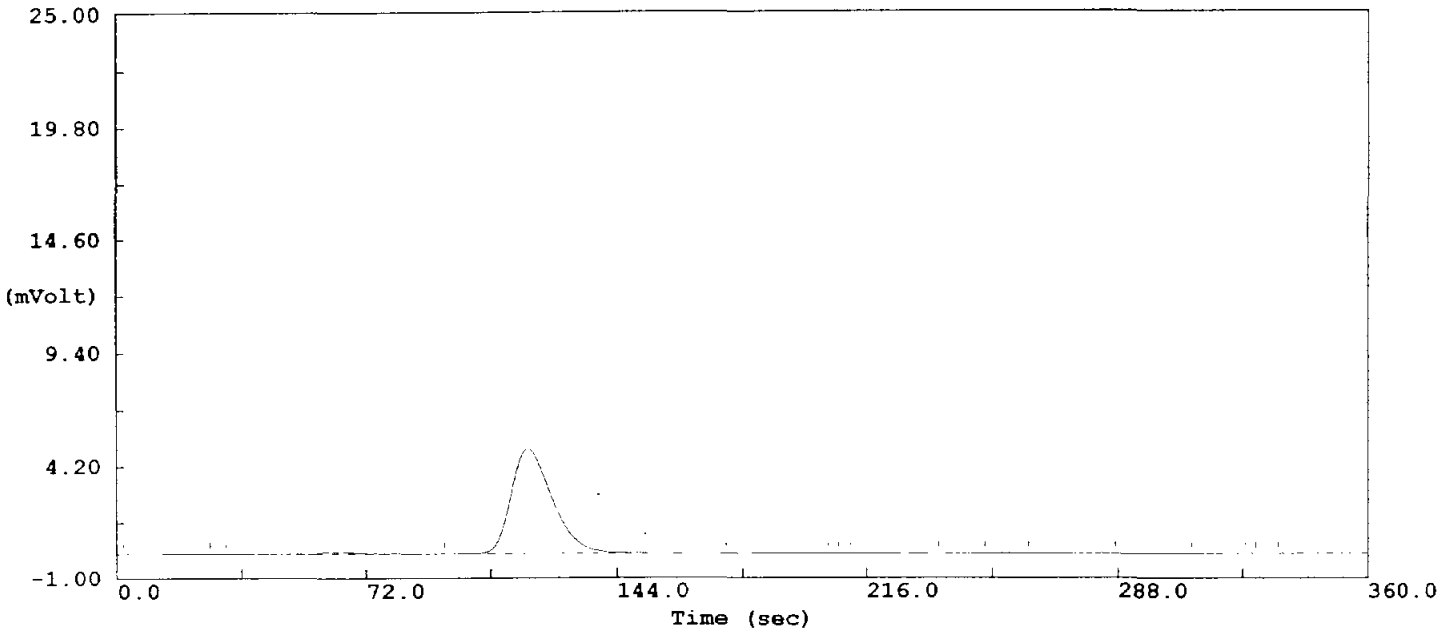
Sample ID	: 600413 (# 84)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.631
Chromatogram	: C:\EAW\N120684.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.9584	41	8	RS	.000000	
Carbon	2.2732	119	963096	RS	1.000000	
Hydrogen	-3.9919875E+00	185	107	FU	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120685.DAT
Sample name :600414 Analysed :12-06-04 20:25

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:25	Printed	: 12/6/2004 20:31

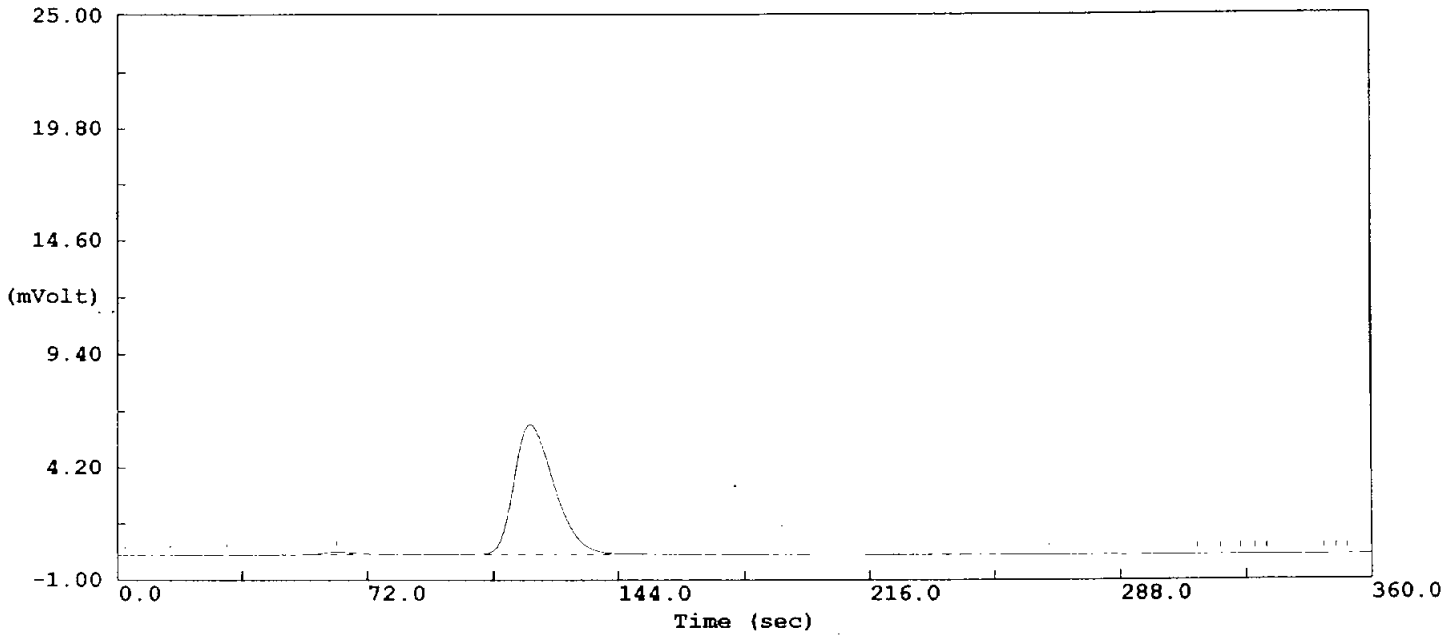
Sample ID	: 600414 (# 85)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.933
Chromatogram	: C:\EAW\N120685.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.7199	119	637867	RS	1.000000	
Hydrogen	-4.0883203E+00	175	433	RS	1474.837000	

Eager 200 Strip-Chart



Filename C:\EAW\N120686.DAT
Sample name :600414 Analysed :12-06-04 20:31

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:31	Printed	: 12/6/2004 20:37

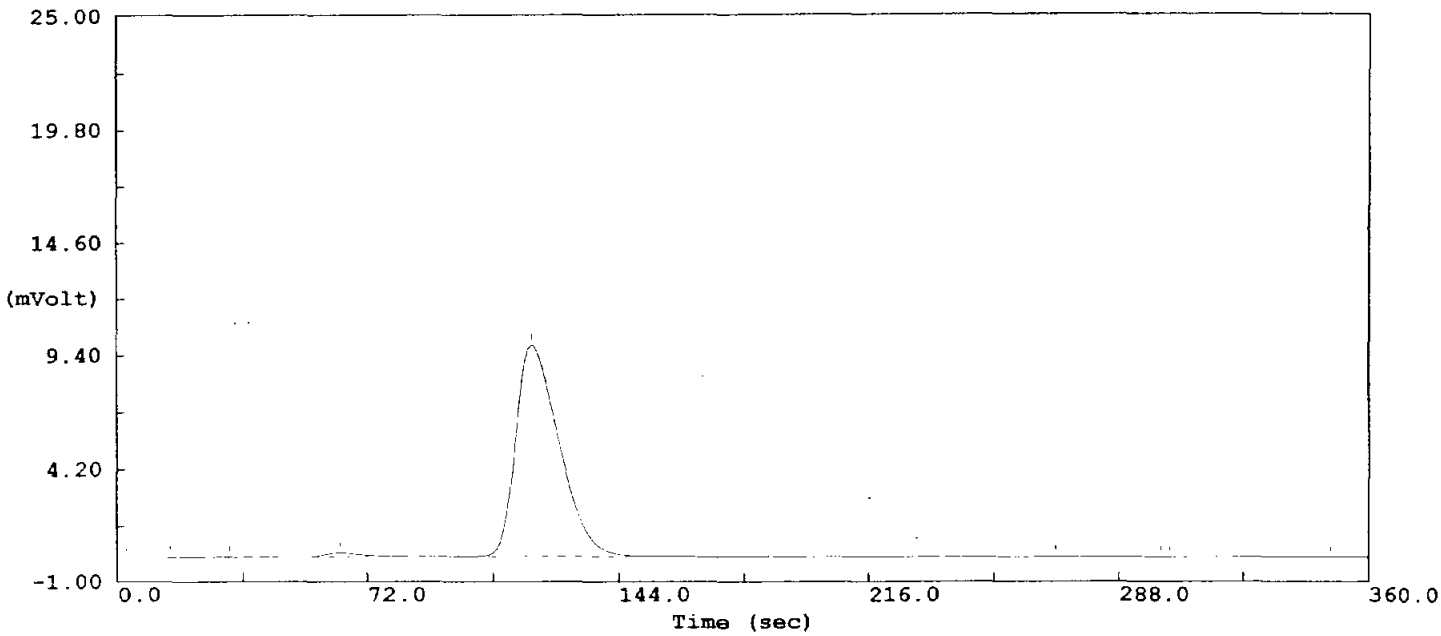
Sample ID	: 600414 (# 86)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.619
Chromatogram	: C:\EAW\N120686.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.2889	119	795217	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120687.DAT
Sample name :600414 Analysed :12-06-04 20:37

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 20:37

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 20:43

Sample ID : 600414 (# 87)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120687.DAT

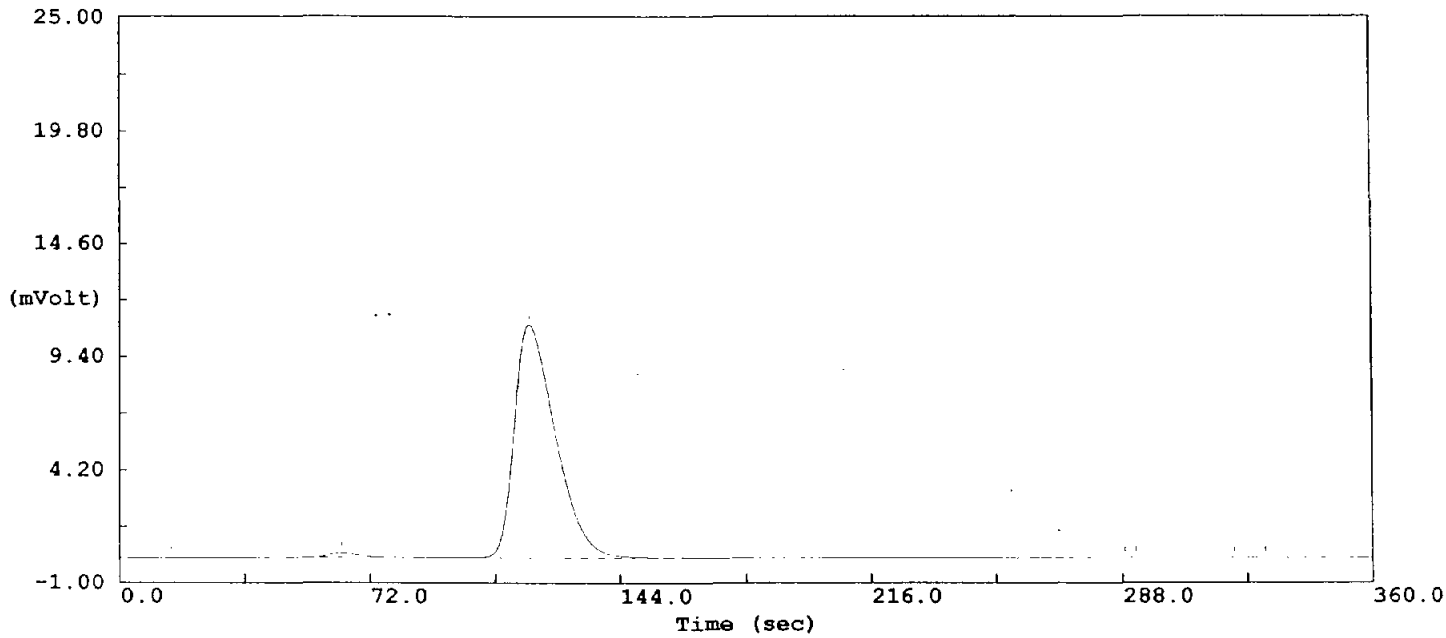
Channel : Channel B
Sample weight : 6.899

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.6379	119	1369844	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120688.DAT
Sample name :600415 Analysed :12-06-04 20:43

Eager 200 Report

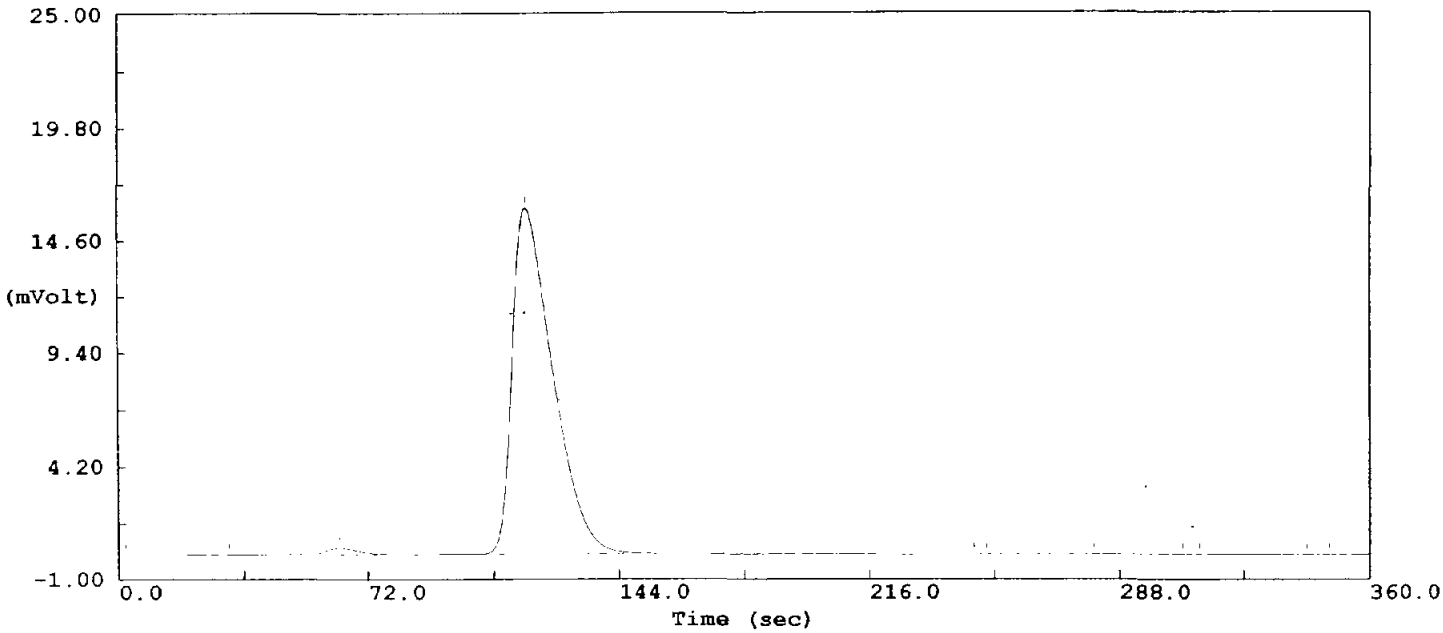
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:43	Printed	: 12/6/2004 20:49
Sample ID	: 600415 (# 88)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.729
Chromatogram	: C:\EAW\N120688.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	4.0469	118	1440606	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120689.DAT
Sample name :600415 Analysed :12-06-04 20:49

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:49	Printed	: 12/6/2004 20:55

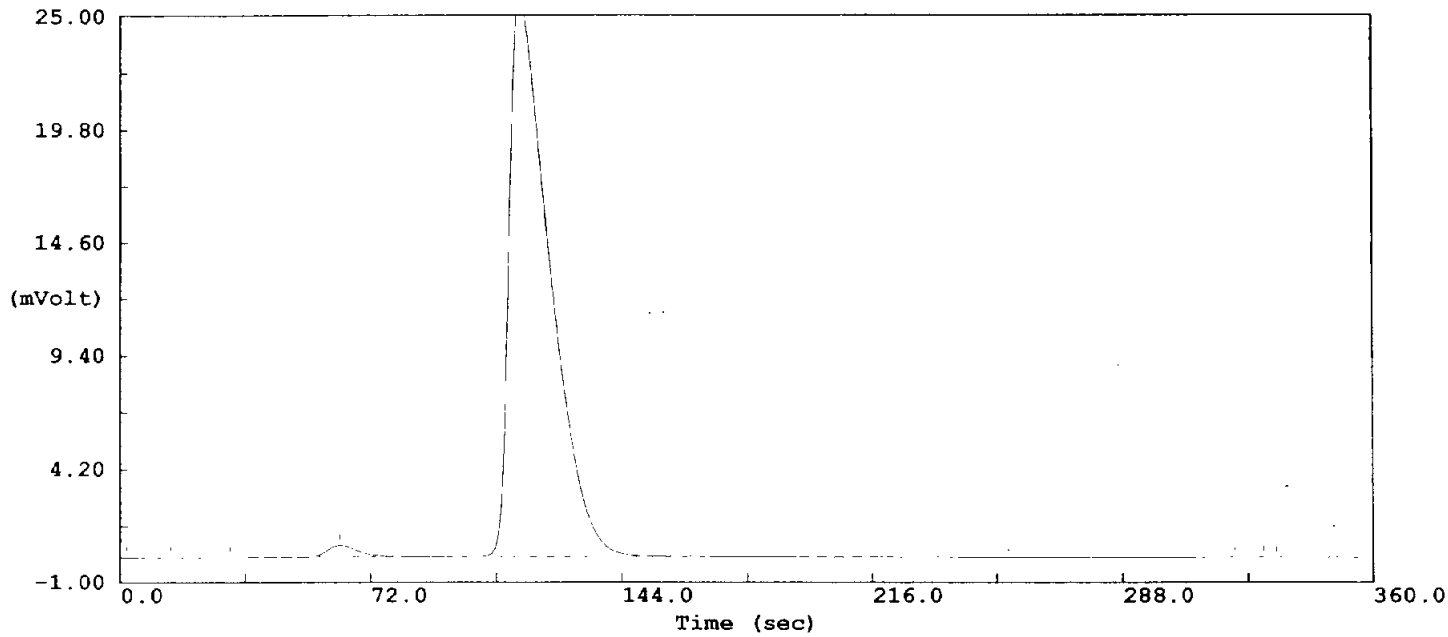
Sample ID	: 600415 (# 89)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.39
Chromatogram	: C:\EAW\N120689.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	5.2537	118	2132262	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120690.DAT
Sample name :600415 Analysed :12-06-04 20:55

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:55	Printed	: 12/6/2004 21:01

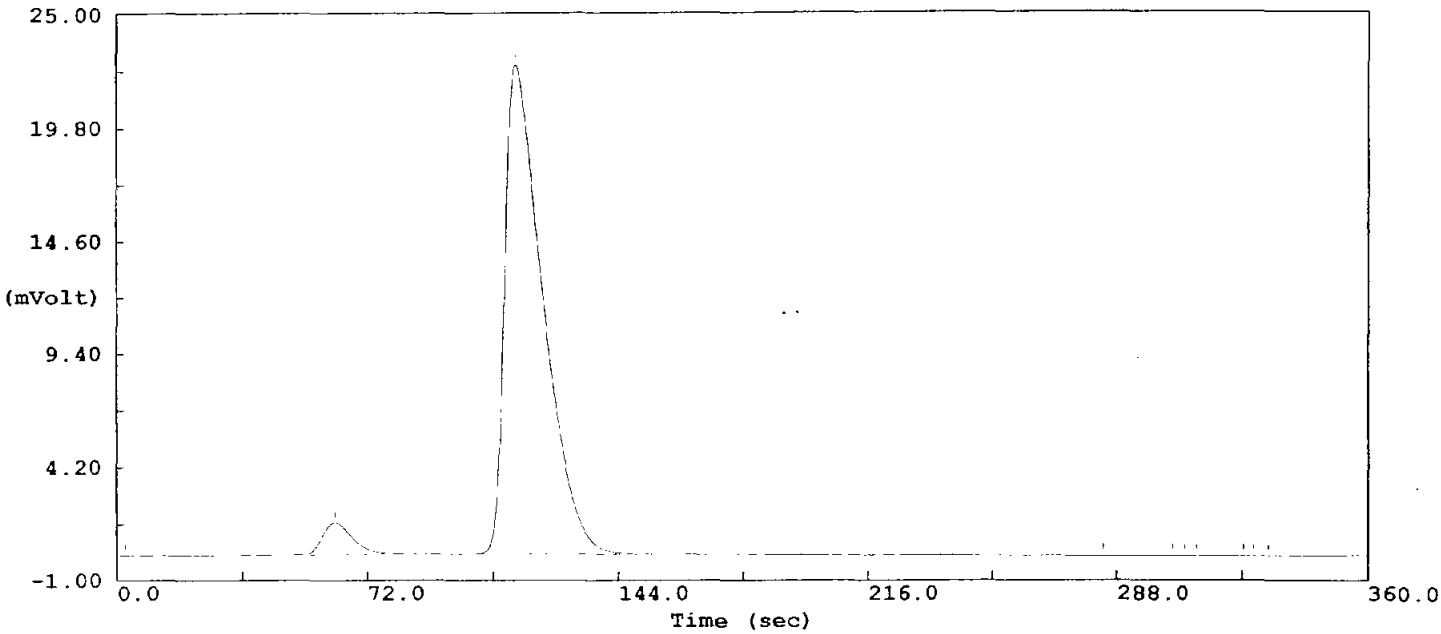
Sample ID	: 600415 (# 90)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.156
Chromatogram	: C:\EAW\N120690.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	4.9813	115	3435118	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120691.DAT
Sample name :ACETANILIDE Analysed :12-06-04 21:02

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 21:02	Printed	: 12/6/2004 21:08

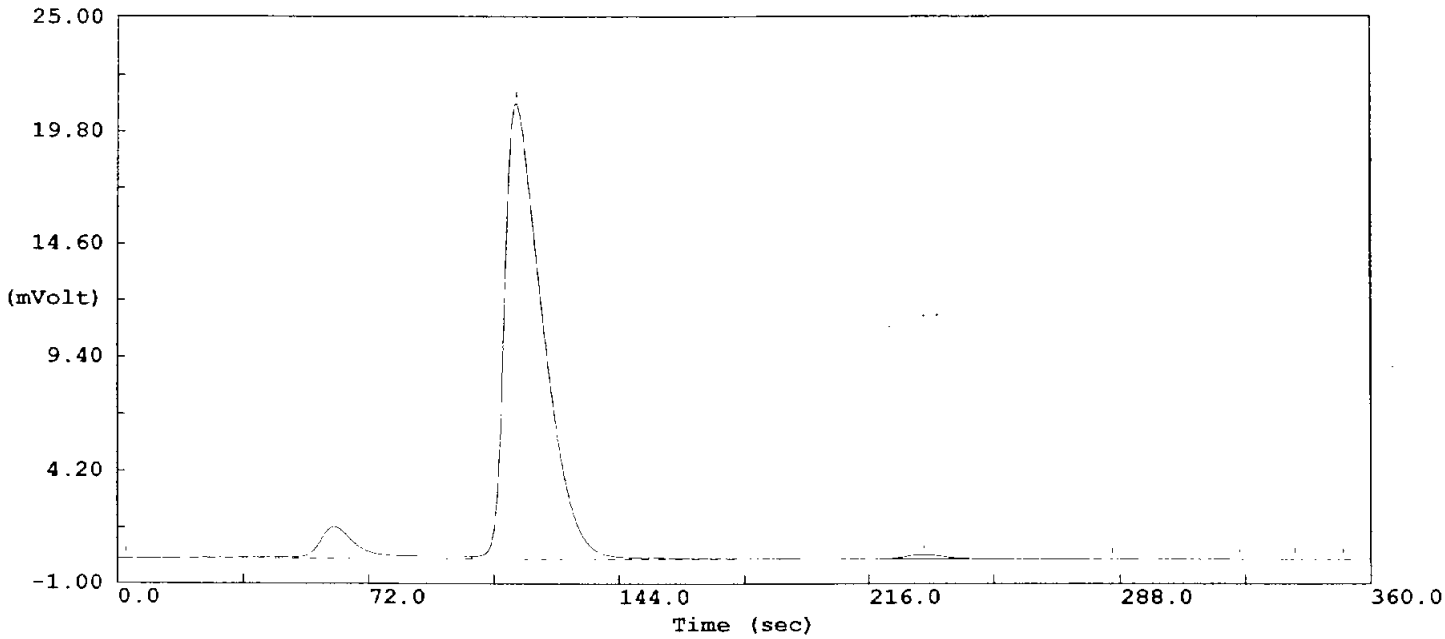
Sample ID	: ACETANILIDE (# 91)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .525
Chromatogram	: C:\EAW\N120691.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	72.6092	115	2870864	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120692.DAT
Sample name :ACETANILIDE Analysed :12-06-04 21:08

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 21:08	Printed	: 12/6/2004 21:27

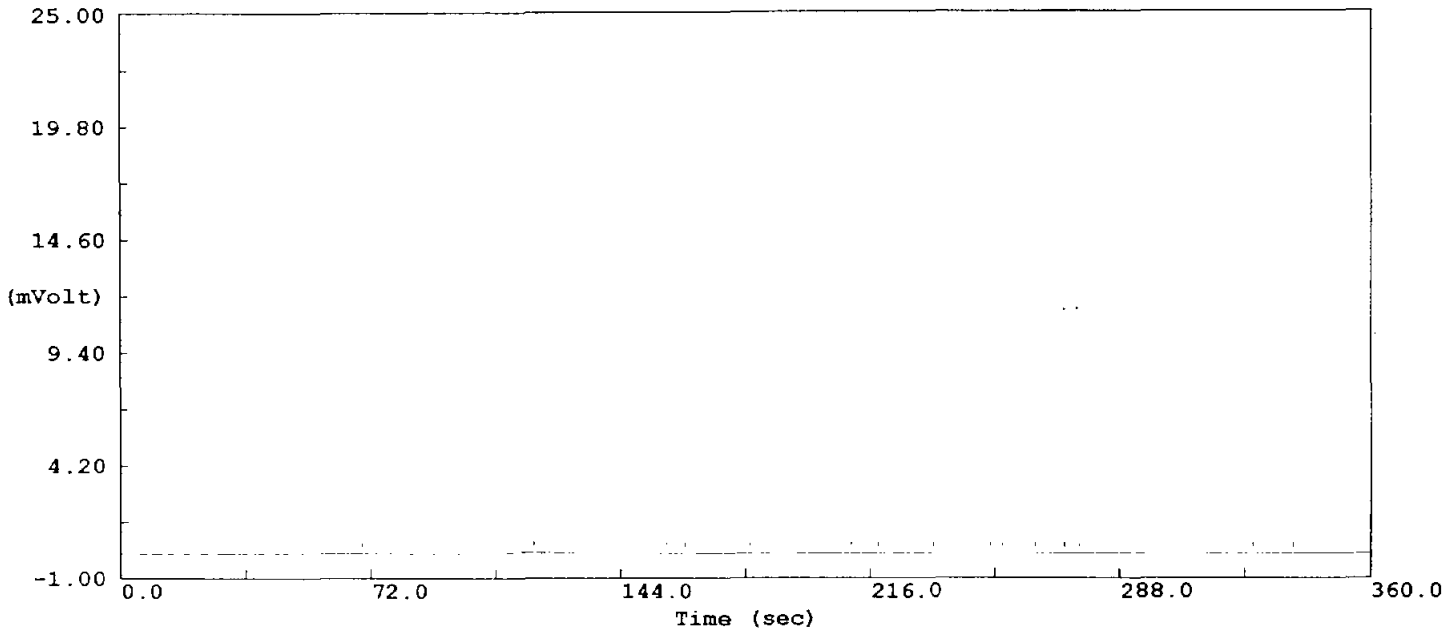
Sample ID	: ACETANILIDE (# 92)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .488
Chromatogram	: C:\EAW\N120692.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	72.8731	115	2678141	TL	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120693.DAT
Sample name :BLANK Analysed :12-06-04 21:27

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST Company Name : SEVERN TRENT LAB
Method Name : IN847 Method File : N-C1206.MTH
Analysed : 12-06-04 21:27 Printed : 12/6/2004 21:33

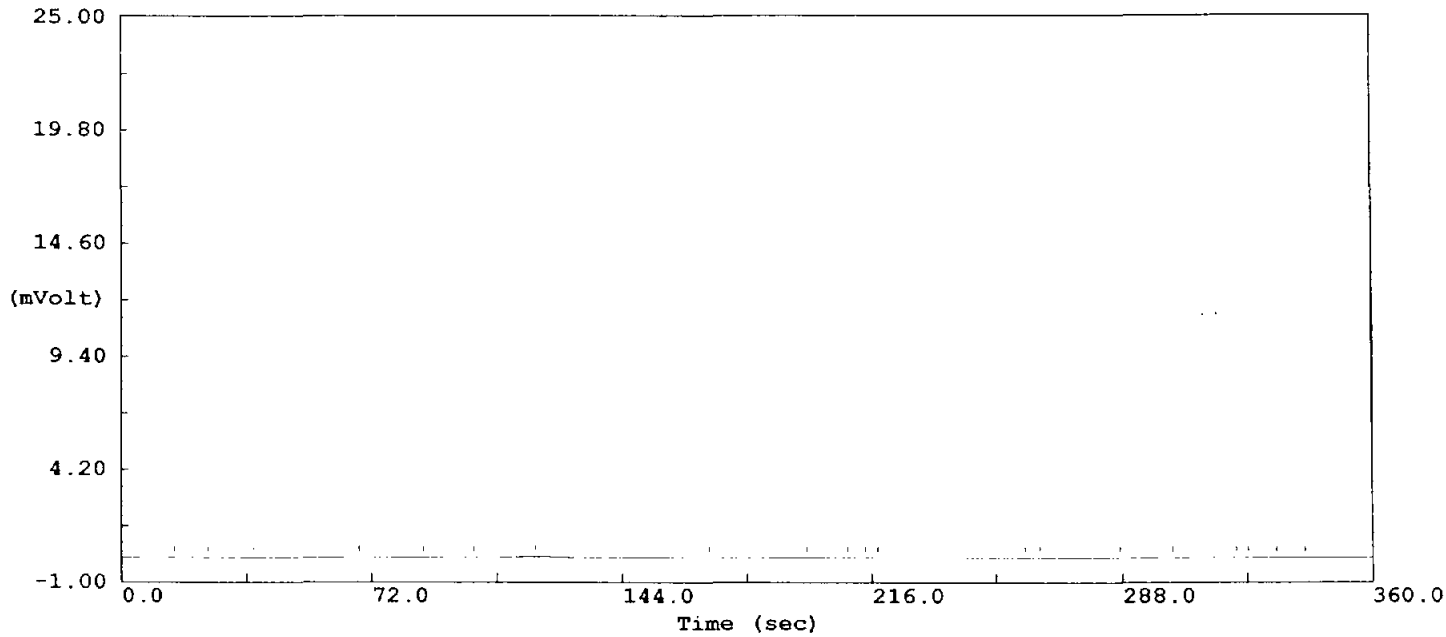
Sample ID : BLANK (# 93) Channel : Channel B
Analysis Type : UnkNown (Area) Sample weight : 30
Chromatogram : C:\EAW\N120693.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0045	119	8856	TL	.000000	
Hydrogen	-7.7127981E-01	181	14	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120694.DAT
Sample name :BLANK Analysed :12-06-04 21:33

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 21:33	Printed	: 12/6/2004 21:39

Sample ID	: BLANK (# 94)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120694.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0047	119	9150	RS	1.000000	
Hydrogen	-7.7411920E-01	197	2	RS	.000000	

SEVERN TRENT STL

PARTICLE SIZE

01864

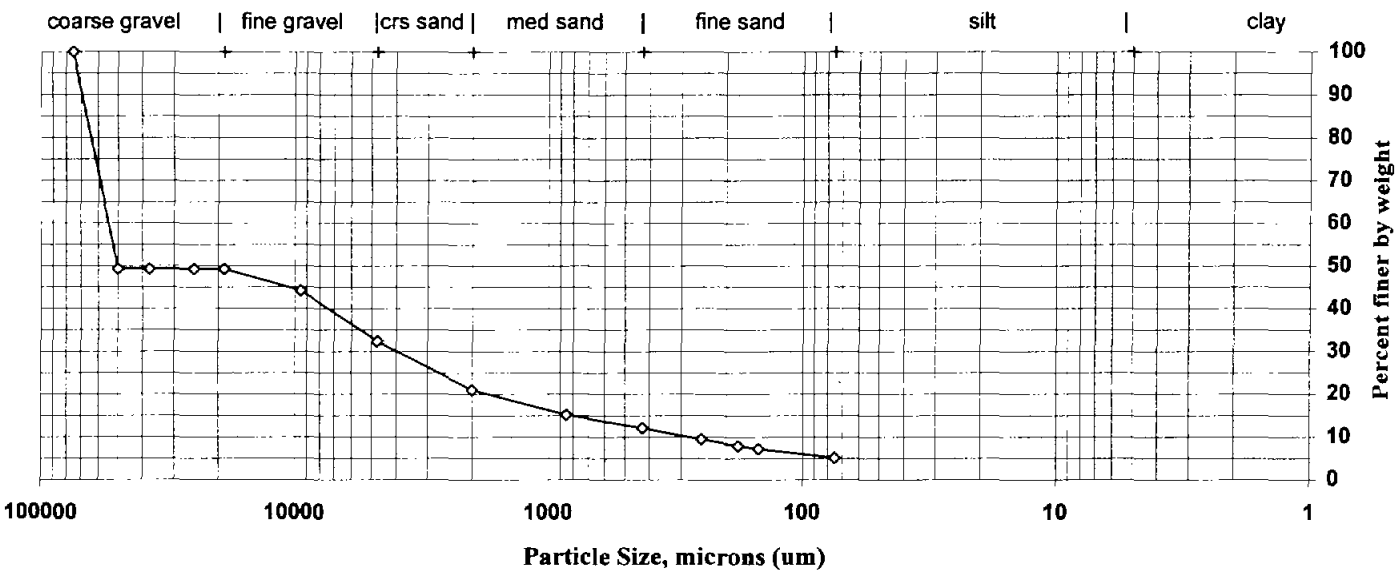
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	STLWAS	**Project No.:**	24028	**ETR(s) #:**	104053
Client Code:	STLWAS	**Job No.:**	N/A	**SDG(s):**	125060
Date Received:	30-Nov-04	**Start Date:**	5-Dec-04	**End Date:**	9-Dec-04

Lab ID: 600223 **Sample ID:** 041123SGA28SS

Percent Solids:	89.9%		**Maximum Particle Size:**	75 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	N/A		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	49.2	50.8
1.5 inch	37500	49.2	0.0
1 inch	25000	49.2	0.0
3/4 inch	19000	49.2	0.0
3/8 inch	9500	44.2	5.0
#4	4750	32.4	11.9
#10	2000	21.0	11.3
#20	850	15.2	5.8
#40	425	12.1	3.1
#60	250	9.5	2.6
#80	180	7.9	1.6
#100	150	7.2	0.6
#200	75	5.1	2.1
Hydrometer	0.0	0.0	5.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	67.6
Sand	27.3
Coarse Sand	11.3
Medium Sand	8.9
Fine Sand	7.0
Fines	5.1

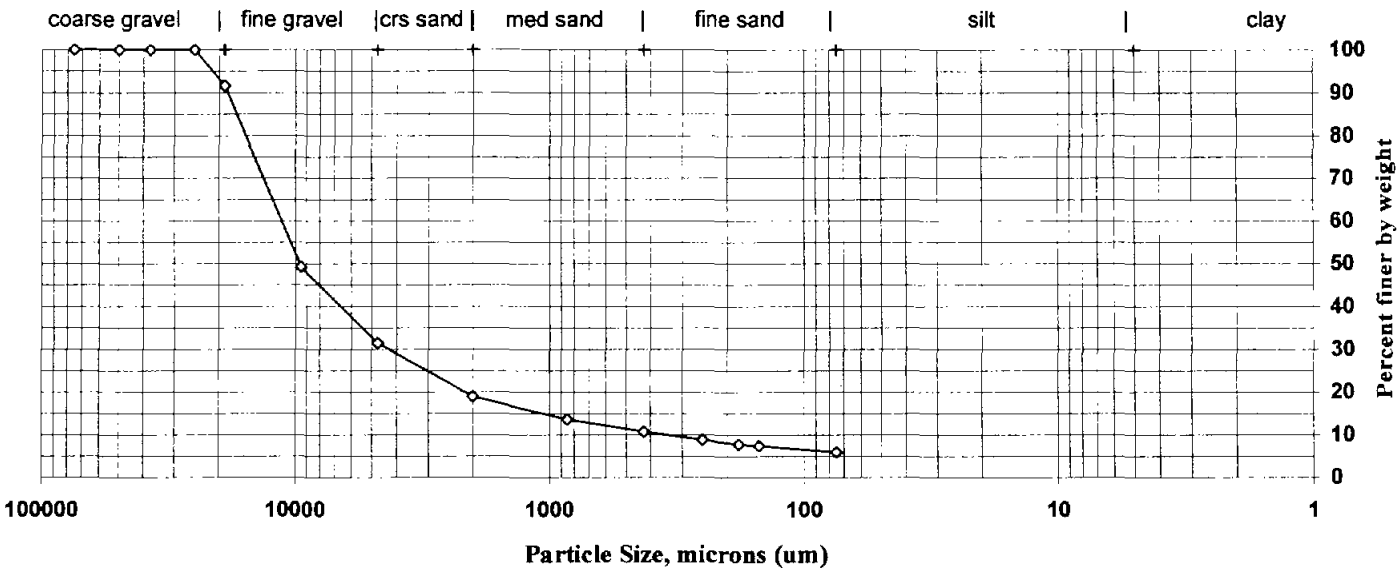
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	STLWAS	**Project No.:**	24028	**ETR(s) #:**	104053
Client Code:	STLWAS	**Job No.:**	N/A	**SDG(s):**	125060
Date Received:	30-Nov-04	**Start Date:**	5-Dec-04	**End Date:**	9-Dec-04

Lab ID: 600224 **Sample ID:** 041123SDA29SS

Percent Solids:	94.5%		**Maximum Particle Size:**	25 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	angular
Non-soil mass:	N/A		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	91.6	8.4
3/8 inch	9500	49.3	42.3
#4	4750	31.5	17.8
#10	2000	19.0	12.5
#20	850	13.6	5.4
#40	425	10.8	2.9
#60	250	8.9	1.9
#80	180	7.8	1.1
#100	150	7.4	0.4
#200	75	6.0	1.5
Hydrometer	0.0	0.0	6.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	68.5
Sand	25.5
Coarse Sand	12.5
Medium Sand	8.2
Fine Sand	4.8
Fines	6.0

Particle Size Analysis
Hydrometer Data

Set Number	Client:	Project No.:	ETR(s) #:
125060	STLWAS	24028	104053
	Client Code: STLWAS	Job No.: N/A	SDG(s): 125060
	Date Received: 30-Nov-04	Start Date: 5-Dec-04	End Date: 9-Dec-04

Date and Analyst

Percent Solids	Weighed/Mixed	Hydrometer	Large sieves	Non-soil	Small Sieves
MAP 12/7/04	MAP 12/7/04	(Sieve Only)	RPM 12/7/04	RPM 12/9/04	RPM 12/8/04
DMA 12/8/04	RPM 12/7/04		DMA 12/9/04	DMA 12/9/04	DMA 12/9/04

Test number	1	2	3	4	5	6	7	8	9	10	11	12
Lab number	600223	600224										
Time, min. (2)												
Reading												
Temperature, C												
Time, min. (5)												
Reading												
Temperature, C												
Time, min. (15)												
Reading												
Temperature, C												
Time, min. (30)												
Reading												
Temperature, C												
Time, min. (60)												
Reading												
Temperature, C												
Time, min. (250)												
Reading												
Temperature, C												
Time, min. (1440)												
Reading												
Temperature, C												

"Sieve Only" Analysis Requested. Hydrometer test not performed.

Hydrometer used: N/A **Model #:** N/A **Manufacturer:** N/A **Hydrometer start time:** N/A

Calibrations:

L temp, C	L read	H Temp, C	H read
N/A	N/A	N/A	N/A

Cal. Date: N/A **Hydrometer data entered:** N/A

Date Received: 30-Nov-04 Start Date: 03-Dec-04 End Date: 12-9-04

Date and Analyst

Percent Solids	Weighed/Mixed	Hydrometer	Large sieves	Non-soil	Small sieves
MAP 12-7-04 DMA 12-8-04	MAP 12-7-04 RAM 12/7/04	RAM 12/8/04	RAM 12/7/04 DMA 12/9/04	RAM 12/7/04 RAM 12/9/04	DMA for RAM 12/8/04 DMA 12/9/04

Test number	1	2	3	4	5	6	7	8	9	10	11	12
Lab number											600223	600224
Time, min. (2)	2	2	2	2	2	2	2	2	2	2	2	2
Reading											~~1.030~~	RAM 12/8/04
Temperature, C											~~18.5~~	
Time, min. (5)	5	5	5	5	5	5	5	5	5	5	5	5
Reading												
Temperature, C												
Time, min. (15)	15	15	15	15	15	15	15	15	15	15	15	15
Reading												
Temperature, C												
Time, min. (30)	30	30	29	29	31	31	31	32	30	30	30	31
Reading												
Temperature, C												
Time, min. (60)	59	58	58	63	60	59	59	60	63	57	61	62
Reading												
Temperature, C												
Time, min. (250)	256	256	250	250	240	234	265	259	253	247	241	235
Reading												
Temperature, C												
Time, min. (1440)	1440	1440	1434	1434	1424	1418	1412	1406	1400	1394	1388	1382
Reading												
Temperature, C												RAM 12/8/04

Sieve ONLY

Hydrometer used: 723427 Model #: ASTM 151H Manufacturer:

Calibrations:

L temp, C	L read	H Temp, C	H read
17.0		23.0	

Cal. Date: 23-Feb-04

Hydrometer start time: 08:50

Hydrometer data entered:

SEVERN TRENT STL

Sample Preparation And Equipment Calibration Information

Particle Size Analysis
Sieve Data

Client: STLWAS | ETR(s): 104053 | Project: 24028 | Date Rec: 30-Nov-04 | Start Date: 5-Dec-04
Client Code: STLWAS | SDG(s): 125060 | Case: 24028 | End Date: 9-Dec-04

SET: 125060

Test	1	2	3	4	5	6	7	8	9	10	11	12
Laboratory No	600223	600224										
Sample ID	1123SGA28S	1123SDA29SS										

Dry prep = D421
Wet prep = D2217

Standard Values	
Sieve	Opening, um
3 inch	75000
2 inch	50000
1.5 inch	37500
1 inch	25000
3/4 inch	19000
3/8 inch	9500
#4	4750
#10	2000
#20	850
#40	425
#60	250
#80	180
#100	150
#200	75

Sieve (tares)		
Size	Mass, g	
3 inch		
2 inch	436.71	
1.5 inch	468.97	
1 inch	466.90	
3/4 inch	458.39	
3/8 inch	448.25	
#4	443.27	
#10	459.67	
#20	377.47	C
#40	343.49	C
#60	340.36	C
#80	305.85	C
#100	317.20	C
#200	318.27	C

	1	2	3	4	5	6	7	8	9	10	11	12
Sample Prep Method	D2217	D2217										
Pan, g												
Pan/sample, g	332.69	226.75										
Pan/dry sampl, g												
Non-soil material												
Description	n/a	n/a										
Pan, g												
Pan/dry sampl, g												
Non-soil, g												
Hydroscopic Moisture correction factor (HMCF) for dry prep / Percent Solids for dry and wet prep												
Pan, g	0.93	0.93										
Pan/sample, g	14.05	13.16										
Pan/dry sampl, g	12.73	12.49										
HMCF	100.0%	100.0%										
Sample % Solids	89.9%	94.5%										
Sample used, g	299.22	214.33										

Sieve + Sample Weights

Size	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g
3 inch												
2 inch	588.63											
1.5 inch	0.00											
1 inch	0.00											
3/4 inch	0.00	476.37										
3/8 inch	463.21	539.00										
#4	478.76	481.34										
#10	493.63	486.48										
#20	394.81	388.96										
#40	352.77	349.65										
#60	348.20	344.40										
#80	310.73	308.11										
#100	319.14	318.06										
#200	324.63	321.40										

Maximum Particle size

	75 mm	25 mm										

Description of >#10 particles

Shape	subangular	angular	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hardness	hard	hard	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Sample Mass Parameters

Pan/sample, g	332.69	226.75										
Mass removed, g	236.33	173.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sample mass, g	62.89	40.72										

01478

01868

SEVERN TRENT STL

SAMPLE HANDLING

01869

From: Origin ID: (253)922-2310
Kim Presley
STL-Seattle
5755 8TH STREET EAST

Tacoma, WA 98424

FedEx. Express

CL8091404/05/06

Ship Date: 29NOV04
Actual Wgt: 47 LB
System#: 5456984/INET2000
Account#: S *********

REF:

Delivery Address Bar Code

SHIP TO: (802)655-1218 BILL RECIPIENT

Sample Receiving
STL Burlington
208 South Park Drive,
Suite 1
Colchester, VT 05446

PRIORITY OVERNIGHT

TUE
Deliver By:
30NOV04

TRK# 7921 4703 4959 FORM 0201

BTV AA

05446 -VT-US

XH BTVA

Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Jon Mech
11/30/04

01870

SEVERN TRENT LABORATORIES LOG-IN SHEET - Form DC-1

Lab Name: STL Burlington

Received By (Print or Type Name): Jonathan W. McCracken

Log-in Date: 11/30/04

Received By (Signature):

Case Number:	24028
Sample Delivery Group No.:	125060
ETR Number:	104053
REMARKS:	
1. Custody Seal	Absent*
2. Custody Seal Nos:	NA
3. Chain-of-Custody Records	Present
4. Sample Information Sheets	Absent*
5. Airbill Present	As Airbill
6. Airbill Number(s):	792147034959
7. Sample Tags	Absent*
8. Tag Nos. Listed on COC	N/A
9. Sample Condition:	Intact
10. VOA Vial Bubbles	N/A
11. Does info on the custody records, sample info sheets, sample tags and labels agree?	Yes
12. Date Received at Lab:	11/30/04
13. Time Received at Lab:	0945
14. Cooler Temperature(s):	1 C
SAMPLE TRANSFER:	
Fraction(s):	ALL
Area Number:	Level 4 Storage
Transferred By:	JM2
Transferred On:	11/30/04

CORRESPONDING			
CLIENT SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT ETC.
041123SGA28SS	NA	600223	
041123SGA29SS	NA	600224	
041123SGA31SS	NA	600225	
041123SGA33SS	NA	600226	

12/1/04

* *Contact Project Director*

Reviewed By: _____ Date: _____

STL Burlington
COOLER RECEIPT CHECKLIST

Date Received: 11.30.04 Sample Custodian: JMZ

Time Received: 0945 ETR/SDG: 104053/125060

RADIATION SCREEN: <0.05 MR/HR YES NO
If no, stop work and alert the Supervisor and the PM.

CUSTODY SEALS PRESENT: YES NO

If yes, were the custody seals signed? YES NO

If yes, are custody seal numbers present? YES NO

List custody seal numbers: _____

TEMPERATURE CHECK: 1 (°C)

Acceptance Criteria (0-6°C) except air samples, which should be shipped at ambient temperature and/or biota/tissue samples, which may be frozen on receipt. The thermal preservation of samples that are hand delivered immediately following collection is considered acceptable if there is evidence that the chilling process has begun.

Thermal Preservation Type: ICE ICE PACK NONE

CONDITION OF SAMPLE CONTAINERS: INTACT BROKEN

If broken, list the client ID for each broken container:

_____

Were any samples received with a short hold time* remaining?
** <7 Days*

WET CHEMISTRY	YES	NO
METALS	YES	NO
ORGANIC EXTRACTABLES	YES	NO
VOLATILE (received unpreserved)	YES	NO

If yes, expedite sample log in procedure and alert the appropriate Department Manager.

STL Burlington
Colchester, Vermont

Extended Data Package

SDG: 125060

SEVERN TRENT STL

NARRATIVE

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

December 14, 2004

Ms. Katie Downie
STL Seattle
5755 8th Street East
Tacoma, WA 98424

Re: Laboratory Project No. 24028
Case 24028; SDG: 125060

Dear Ms. Downie:

Enclosed are the analytical results of samples received by STL Burlington on November 30, 2004. This report is sequentially numbered starting with page 0001 and ending with page 0143. Laboratory ID numbers were designated as follows.

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 11/30/04 ETR No: 104053		
600223	041123SGA28SS	11/23/04	Soil
600224	041123SGA29SS	11/23/04	Soil
600225	041123SGA31SS	11/23/04	Soil
600226	041123SGA33SS	11/23/04	Soil

Documentation of the condition of the samples at the time of their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

Total Organic Carbon by Lloyd Kahn
Because of the range in calibration and the constraints associated with the establishment of a low concentration calibration point, there is imprecision in the derivation of results at or near the reporting limit when using a linear regression of all the calibration points for quantification. The laboratory used a direct proportion between zero and the relative response of the low calibration standard in deriving results when the response for any one of the determinations for a particular sample was less than that of the low calibration standard.

The analytical results presented in this data report were generated under a quality system that adheres to the requirements specified in the NELAC standard. This report shall not be reproduced, except in full, without the written approval of the laboratory. The release of the data in this report is authorized by the Laboratory Director or his designee, as verified by the following signature.

If there are any questions regarding this submittal, please contact Lori Arnold at 802 655-1203.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P ICP-AES
MS ICP-MS
CV Cold Vapor AA
AS Semi-Automated Spectrophotometric

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

SEVERN TRENT STL

Client: STL-Seattle	Project Manager: Katie Dawne	Date: 11/29/04	Chain of Custody Number: 14031
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State): Bradford Island	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 125060			

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): TOC	Grain Size	Special Instructions/ Conditions of Receipt
D41123SGA28SS	11/23/04	1245			X			1						X	X	
D41123SGA29SS		1315												X	X	
D41123SGA31SS		1430												X		
D41123SGA33SS		1545												X		

Cooler: ☐ Yes ☐ No Cooler Temp:_____

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

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

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☒ Other 12/8

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	11/29/04	2150	1. Received By: [signature]	11/30/04	0945
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

00003

SEVERN TRENT STL

Sample Report Summary
For Wet Chemistry

WET CHEMISTRY

Sample Report Summary

Client Sample No.
041123SGA28SS

Lab Name: STL BURLINGTON
Contract: 125060
SDG No.: 125060

Lab Code: STLVT
Case No.: 24028
Lab Sample ID: 600223

Matrix: SOIL
Client: STLWAS
Date Received: 11/30/04

% Solids: 97.1

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		97.1	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	515	3540	

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
041123SGA29SS

Lab Name: STL BURLINGTON
Contract: 125060
SDG No.: 125060

Lab Code: STLVT
Case No.: 24028
Lab Sample ID: 600224

Matrix: SOIL
Client: STLWAS
Date Received: 11/30/04

% Solids: 98.8

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		98.8	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	506	2810	

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
041123SGA31SS

Lab Name: STL BURLINGTON
Contract: 125060
SDG No.: 125060

Lab Code: STLVT
Case No.: 24028
Lab Sample ID: 600225

Matrix: SOIL
Client: STLWAS
Date Received: 11/30/04

% Solids: 89.7

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		89.7	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	557	9350	

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Sample Report Summary

Client Sample No.
041123SGA33SS

Lab Name: STL BURLINGTON
Contract: 125060
SDG No.: 125060

Lab Code: STLVT
Case No.: 24028
Lab Sample ID: 600226

Matrix: SOIL
Client: STLWAS
Date Received: 11/30/04

% Solids: 93.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	12/03/04	N/A	%	1.0		93.0	
IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	1	538	3000	

Printed on: 12/10/04 08:46 AM

SEVERN TRENT STL

Quality Control Summary For Wet Chemistry

WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON | Contract: 125060 | SDG No.: 125060

Lab Code: STLVT | Case No.: 24028

Matrix: SOIL | Client: STLWAS

% Solids:

Lab Sample ID	Method	Parameter	Conc.	Units	Qual.	DF	RL	Analytical Run Date	Analytical Batch
BLKLK1206A	IN847	TOC, PSEP (LK Modified)	500	mg/Kg	U	1	500	12/06/04	BLKLK1206A

Printed on: 12/10/04 08:46 AM

WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON Contract: 125060 SDG No.: 125060

Lab Code: STLVT Case No.: 24028

Matrix: SOIL Client: STLWAS

% Solids:

Lab Sample ID	Method	Parameter	Analytical Run Date	Analytical Batch	Units	LCS Conc.	True Value	% Recovery*
LCSLK1206A	IN847	TOC, PSEP (LK Modified)	12/06/04	BLKLK1206A	mg/Kg	7960	8500	94

** Control Limit for Percent Recovery is 85-115%, unless otherwise specified.*

Printed on: 12/10/04 08:46 AM

SEVERN TRENT STL

Supportive Documentation For Wet Chemistry

0012
47799

SEVERN TRENT STL

Wet Chemistry Raw Data

Solids, Percent

STL Burlington --- PERCENT SOLID REPORT --- 6-DEC-2004 13:30:13 --- HEC

Method: IN623

Analyst: mnt

Date/Time in: 12/03/04 1330

Date/Time out: 12/04/04 1420

Batch: AR

Date Entered: 12-06-04
Entered by: MNT

Date Verified: 12-06-04
Verified by: HEC

Lab ID	Mass of Dish (g)	Mass of Dish and Wet Sample (g)	Mass of Dish and Dry Sample (g)	Percent Solid
600216	0.97	6.27	5.71	89.4340
600217	0.97	6.89	6.54	94.0878
600218	0.97	7.00	6.70	95.0249
600219	0.96	8.35	7.99	95.1285
600220	0.97	8.50	8.28	97.0783
600221	0.96	7.50	7.45	99.2355
600221DP	0.97	8.88	8.80	98.9886
600222	0.97	7.43	6.44	84.6749
600223	0.98	9.19	8.95	97.0767
600224	0.97	8.98	8.88	98.7516
600225	0.96	6.80	6.20	89.7260
600226	0.96	8.68	8.14	93.0052
600534	0.97	9.97	8.83	87.3333
600535	0.97	9.88	8.65	86.1953

Page 1 of ____

Percent Solids Benchsheet

Date In: 12/3/04
Time In: 0940 / 1330
Analyst: MNM

Date Out: 12/4/04
Time Out: 1420
Analyst: MNM

LAB ID plus EPA ID	Dish #	Mass of Dish (g)	Mass of Dish & Wet Sample (g)	Mass of Dish & Dry Sample (g)
600216	1	0.97	6.27	5.71
600217	2	0.97	6.89	6.54
600218	3	0.97	7.00	6.70
600219	4	0.96	8.35	7.99
600220	5	0.97	8.50	8.28
600221	6	0.96	7.50	7.45
600221 DUP	7	0.97	8.88	8.80
600222	8	0.97	7.43	6.44
600223	9	0.98	9.19	8.95
600224	10	0.97	8.98	8.88
600225	11	0.96	6.80	6.20
600226	12	0.96	8.68	8.14
13300 600534	13	0.97	9.97	8.83
600535	14	0.97	9.88	8.65
				12/4/04
				MNM

%W/W = grams dry X 100
grams wet

Entered by: MNM
Date: 12/6/04
Batch: AR

grams dry = weight of dry sample (g) - weight of dish (g)
grams wet = weight of wet sample (g) - weight of dish (g)

FWC065:09.02.03:0
STL Burlington

SEVERN TRENT STL

Wet Chemistry Raw Data

TOC, PSEP (LK Modified)

0016

47803

Total Organic Carbon by Lloyd Kahn, Method IN847

Analyst: KDS
Prep Date: 12/06/04 Prep Time: 1030
Analysis Date: 12/06/04 Analysis Time: 1234
Date of Calibration Curve: 12/02/04: 0.545, 0.515, 1.155, 1.775, 2.605
Instrument ID: NA1500
Instrument File Name: N-C1206

LCS Tag ID: LCS 1005
Matrix Spike Tag ID: 590706
Sulfanilamide Tag ID: WC-02005-16
Acetanilide Tag ID: WC-02-056-02
Phosphoric Acid Solution Tag ID: T011300401
HCl Lot #: N/A

#	Sample ID	Weight (mg)
	Acetanilide	0.688
	Acetanilide	0.582
	Blank	30
	Blank	30
1	PBS1	5
	PBS2	5
	PBS3	5
	LCS1	10.882
	LCS2	10.298
	LCS3	9.055
	LCS4	10.085
	600216	5.175
	↓	5.749
		6.040
	Acetanilide	0.653
	Acetanilide	0.829
	Blank	30
	Blank	30
	600217	4.825
	↓	9.242
		8.431
2	600218	7.782
	↓	9.400
		8.680
	600219	4.541
	↓	7.700
		10.685
	600220	8.923
	Acetanilide	0.577
	Acetanilide	0.745

#	Sample ID	Weight (mg)
	Blank	30
	Blank	30
	600220	8.854
	↓	6.378
	600221	7.715
	↓	7.353
		8.219
	600221MS	9.890 + 0.406
	↓	8.050 + 0.278
		8.149 + 0.585
	600221DP	9.340
	↓	8.637
	Acetanilide	0.630
	Acetanilide	0.614
	Blank	30
	Blank	30
	600221DP	7.753
	600222	10.105
	↓	8.006
		9.141
	600223	9.100
	↓	5.157
		8.151
	600224	6.566
	↓	7.874
		7.699
	Acetanilide	0.554
	Acetanilide	0.664
	Blank	30
	Blank	30

Total Organic Carbon by Lloyd Kahn, Method IN847

Analyst: KDS
Prep Date: 12/06/04 Prep Time: 1030
Analysis Date: 12/06/04 Analysis Time: 1234
Date of Calibration Curve: 12/02/04
Instrument ID: NA1500
Instrument File Name: N-1226

LCS Tag ID: (SAME)
Matrix Spike Tag ID:
Sulfanilamide Tag ID:
Acetanilide Tag ID:
Phosphoric Acid Solution Tag ID:
HCl Lot #:

#	Sample ID	Weight (mg)
	~~Acetanilide~~	
	Acetanilide	
	Blank	30
	~~Blank~~	~~30~~
	6000225	9.131
		6.725
		6.307
	6000226	6.184
		6.444
		7.380
	6000412	4.389
		4.259
		4.221
	6000413	6.356
	Acetanilide	0.362
	Acetanilide	0.521
	Blank	30
	Blank	30
	6000413	4.510
		5.631
	6000414	4.933
		4.619
		6.899
	6000415	4.729
		5.390
		9.156
	Acetanilide	0.525
	Acetanilide	0.488

#	Sample ID	Weight (mg)
	~~Blank~~	~~30~~
	Blank	30
	Acetanilide	
	Acetanilide	
	Blank	30
	Blank	30
	Acetanilide	
	Acetanilide	
	Blank	30
	~~Blank~~	~~30~~

KDS 12/06/04

Eager 200 Summarize Results

Method Name : IN847
Method Filename : N-C1206.MTH
Company name : SEVERN TRENT LAB
Operator ID : ANALYST

Group No : 1 Sample Name	Element % Nitrogen	Carbon	Hydrogen	Sulphur
ByPass	0	0	0	0
BLANK	0	0	0	0
BLANK	0	0	0	0
SULPHANILAMIDE	0	41.84000015	4.679999828	0
SULPHANILAMIDE	0	41.84000015	0	0
SULPHANILAMIDE	0	41.84000015	0	0
SULPHANILAMIDE	0	41.84000015	0	0
SULPHANILAMIDE	0	41.84000015	0	0
ACETANILIDE	0 TV=71.09	68.55418396	0	0
ACETANILIDE	0	70.88839722	0	0
BLANK	0	0.004105571192	0	0
BLANK	0	0.004395557567	0	0
PBS1	0	0.0342845954	0	0
PBS2	0	0.02591812611	0	0
PBS3	0	0.02505944856	0	0
LCS1	0	0.7547570467	0	0
LCS2	0	0.7871138453	0	0
LCS3	0	0.8304825425	0	0
LCS4	0	0.8115352988	0	0
600216	0	0.2567190528	0	0
600216	0	0.2174566984	-3.277755976	0
600216	0	0.2819473147	0	0
ACETANILIDE	0	70.21690369	0 99%	0
ACETANILIDE	6.500625134	70.08483887	0	0
BLANK	0	0.004418340512	0 <500	0
BLANK	0	0.004228113219	0	0
600217	0	0.3069195449	0	0
600217	0	0.259986043	0	0
600217	0	0.3448897004	-1.982478738	0
600218	0	0.9720295072	0	0
600218	0	0.9213377833	0	0
600218	0	1.033632994	0	0
600219	0	0.9020095468	0	0
600219	0	0.860209167	-0.5555527806	0
600219	0	0.8542149067	0	0
600220	0	0.5226324201	-0.04584660381	0
ACETANILIDE	0	70.15373993	0 99%	0
ACETANILIDE	0	69.56542206	0	0
BLANK	0	0.004406636115	0 <500	0
BLANK	0	0.004429842811	0	0
600220	0	0.5758633614	-2.622145653	0
600220	0	0.6646723151	0	0
600221	0	0.8795632124	0	0
600221	0	0.7262179255	0	0
600221	0	0.7800095677	0	0
600221MS	0.5447425842	3.547234297	0	0

600221MS	0.6694432497	3.377231598	-2.861107826	0	
600221MS	0	6.05347538	0	0	
600221DP	0	0.5979808569	-2.481904268	0	
600221DP	0	0.6593925357	-2.686381817	0	
ACETANILIDE	0	70.09876251	0	0	99%
ACETANILIDE	0	69.83000946	-37.83497238	0	
BLANK	0	0.004328977782	-0.7743558288	0	<500
BLANK	0.1795330197	0.004387815483	-0.7740008831	0	
600221DP	0	0.6550052762	-2.692832708	0	
600222	0.5336766839	1.537213445	0	0	
600222	0	0.9402164221	-2.884812117	0	
600222	0	4.991339207	0	0	
600223	0	0.3350566924	-2.552041292	0	
600223	1.044697404	0.3719376624	-4.499869823	0	
600223	0	0.3241661489	0	0	
600224	0	0.3007199168	-3.535863161	0	
600224	0.6845989227	0.211218372	-2.949850798	0	
600224	0.6995701194	0.2840240896	-3.011830568	0	
ACETANILIDE	9.738399506	70.01526642	-41.84933853	0	98%
ACETANILIDE	8.115991592	70.26141357	-34.91112518	0	
BLANK	0	0.004713414237	-0.7731727362	0	<500
BLANK	0	0.004268812947	-0.772226274	0	
600225	0	0.8180106878	-2.541822433	0	
600225	0.8038343787	0.7555078864	-3.442764521	0	
600225	0	0.9432561994	-3.673186541	0	
600226	0	0.2511703372	-3.743950844	0	
600226	0	0.3040046096	-3.601703882	0	
600226	0	0.2441170216	-1.334695935	0	
600412	1.229226232	10.84191895	0	0	
600412	0	5.63791132	-3.789458275	0	
600412	1.277074575	6.242033958	-4.960404396	0	
600413	0	1.331701279	0	0	
ACETANILIDE	0	71.12960815	0	0	100%
ACETANILIDE	0	70.37125397	0	0	
BLANK	0	0.004888379481	0	0	<500
BLANK	0.1802394837	0.005211102311	-0.7738825679	0	
600413	0	2.005399466	-5.146990776	0	
600413	0.9583711028	2.273229599	-3.991987467	0	
600414	0	1.719890594	-4.088320255	0	
600414	0	2.288919687	0	0	
600414	0	2.637886524	0	0	
600415	0	4.046926975	0	0	
600415	0	5.253684044	0	0	
600415	0	4.981263161	0	0	
ACETANILIDE	0	72.60923767	0	0	102%
ACETANILIDE	0	72.87311554	0	0	
BLANK	0	0.004539555404	-0.7712798119	0	<500
BLANK	0	0.004669617862	-0.7741191983	0	

94 Sample(s) in Group No : 1

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.3527662	1.463229	414.787100	2.141038
Carbon	13.69476	25.623800	187.106500	656.578900
Hydrogen	-2.066851	6.800449	-329.024600	46.246110
Sulphur	0	0.000000	0.000000	0.000000

Eager 200 Summarize Results

Method Name : IN847
Method Filename : N-C1206.MTH
Company name : SEVERN TRENT LAB
Operator ID : ANALYST

Group No : 1 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
PBS1	0	0.0342845954	0	0
PBS2	0	0.02591812611	0	0
PBS3	0	0.02505944856	0	0

3 Sample(s) in Group No : 1

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	2.842072E-02	0.005096	17.931910	0.000026
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 2 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
LCS1	0	0.7547570467	0	0
LCS2	0	0.7871138453	0	0
LCS3	0	0.8304825425	0	0
LCS4	0	0.8115352988	0	0

4 Sample(s) in Group No : 2

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.7959722	0.032713	4.109761	0.001070
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

LCS Recovery = 79.59.722/8500 = 94%

Group No : 3 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600216	0	0.2567190528	0	0
600216	0	0.2174566984	-3.277755976	0
600216	0	0.2819473147	0	0

3 Sample(s) in Group No : 3

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.252041	0.032499	12.894260	0.001056
Hydrogen	-1.092585	1.892413	-173.205100	3.581228
Sulphur	0	0.000000	0.000000	0.000000

Group No : 4 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600217	0	0.3069195449	0	0
600217	0	0.259986043	0	0
600217	0	0.3448897004	-1.982478738	0

3 Sample(s) in Group No : 4

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.3039318	0.042531	13.993470	0.001809
Hydrogen	-.6608263	1.144585	-173.205100	1.310074
Sulphur	0	0.000000	0.000000	0.000000

Group No : 5 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600218	0	0.9720295072	0	0
600218	0	0.9213377833	0	0
600218	0	1.033632994	0	0

3 Sample(s) in Group No : 5

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.9756668	0.056236	5.763843	0.003162
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 6 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600219	0	0.9020095468	0	0
600219	0	0.860209167	-0.5555527806	0
600219	0	0.8542149067	0	0

3 Sample(s) in Group No : 6

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.8721445	0.026037	2.985392	0.000678
Hydrogen	-.1851843	0.320749	-173.205100	0.102880
Sulphur	0	0.000000	0.000000	0.000000

Group No : 7 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600220	0	0.5226324201	-0.04584660381	0
600220	0	0.5758633614	-2.622145653	0
600220	0	0.6646723151	0	0

3 Sample(s) in Group No : 7

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.5877227	0.071759	12.209620	0.005149
Hydrogen	-.8893307	1.500837	-168.760300	2.252511
Sulphur	0	0.000000	0.000000	0.000000

Group No : 8 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600221	0	0.8795632124	0	0
600221	0	0.7262179255	0	0
600221	0	0.7800095677	0	0

3 Sample(s) in Group No : 8

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.7952636	0.077802	9.783217	0.006053
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 9 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600221MS	0.5447425842	3.547234297	0	0
600221MS	0.6694432497	3.377231598	-2.861107826	0
600221MS	0	6.05347538	0	0

3 Sample(s) in Group No : 9

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.4047286	0.356008	87.962080	0.126741
Carbon	4.32598	1.498467	34.638790	2.245404
Hydrogen	-.9537026	1.651861	-173.205100	2.728646
Sulphur	0	0.000000	0.000000	0.000000

Group No : 10 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600221DP	0	0.5979808569	-2.481904268	0
600221DP	0	0.6593925357	-2.686381817	0
600221DP	0	0.6550052762	-2.692832708	0

3 Sample(s) in Group No : 10

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.6374596	0.034260	5.374436	0.001174
Hydrogen	-2.620373	0.119961	-4.578003	0.014391
Sulphur	0	0.000000	0.000000	0.000000

Group No : 11 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600222	0.5336766839	1.537213445	0	0
600222	0	0.9402164221	-2.884812117	0
600222	0	4.991339207	0	0

3 Sample(s) in Group No : 11

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.1778922	0.308118	173.205100	0.094937
Carbon	2.48959	2.187045	87.847600	4.783165
Hydrogen	-.9616041	1.665547	-173.205100	2.774047
Sulphur	0	0.000000	0.000000	0.000000

Group No : 12 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600223	0	0.3350566924	-2.552041292	0
600223	1.044697404	0.3719376624	-4.499869823	0
600223	0	0.3241661489	0	0

3 Sample(s) in Group No : 12

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.3482325	0.603156	173.205100	0.363798
Carbon	.3437202	0.025036	7.283948	0.000627
Hydrogen	-2.350637	2.256685	-96.003150	5.092630
Sulphur	0	0.000000	0.000000	0.000000

Group No : 13 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600224	0	0.3007199168	-3.535863161	0
600224	0.6845989227	0.211218372	-2.949850798	0
600224	0.6995701194	0.2840240896	-3.011830568	0

3 Sample(s) in Group No : 13

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.4613897	0.399645	86.617740	0.159716
Carbon	.2653208	0.047592	17.937500	0.002265
Hydrogen	-3.165848	0.321937	-10.169070	0.103644
Sulphur	0	0.000000	0.000000	0.000000

Group No : 14 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600225	0	0.8180106878	-2.541822433	0
600225	0.8038343787	0.7555078864	-3.442764521	0
600225	0	0.9432561994	-3.673186541	0

3 Sample(s) in Group No : 14

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.2679448	0.464094	173.205100	0.215383
Carbon	.8389249	0.095606	11.396190	0.009140
Hydrogen	-3.219258	0.597882	-18.572040	0.357463
Sulphur	0	0.000000	0.000000	0.000000

Group No : 15 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600226	0	0.2511703372	-3.743950844	0
600226	0	0.3040046096	-3.601703882	0
600226	0	0.2441170216	-1.334695935	0

3 Sample(s) in Group No : 15

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.2664306	0.032731	12.284830	0.001071
Hydrogen	-2.89345	1.351793	-46.719070	1.827345
Sulphur	0	0.000000	0.000000	0.000000

Group No : 16 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600412	1.229226232	10.84191895	0	0
600412	0	5.63791132	-3.789458275	0
600412	1.277074575	6.242033958	-4.960404396	0

3 Sample(s) in Group No : 16

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.8354336	0.723902	86.649870	0.524034
Carbon	7.573955	2.846214	37.578970	8.100934
Hydrogen	-2.916621	2.592834	-88.898550	6.722787
Sulphur	0	0.000000	0.000000	0.000000

Group No : 17 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600413	0	1.331701279	0	0
600413	0	2.005399466	-5.146990776	0
600413	0.9583711028	2.273229599	-3.991987467	0

3 Sample(s) in Group No : 17

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	.319457	0.553316	173.205100	0.306158
Carbon	1.87011	0.485125	25.940990	0.235346
Hydrogen	-3.046326	2.700664	-88.653150	7.293585
Sulphur	0	0.000000	0.000000	0.000000

Group No : 18 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600414	0	1.719890594	-4.088320255	0
600414	0	2.288919687	0	0
600414	0	2.637886524	0	0

3 Sample(s) in Group No : 18

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	2.215566	0.463373	20.914440	0.214715
Hydrogen	-1.362773	2.360393	-173.205100	5.571454
Sulphur	0	0.000000	0.000000	0.000000

Group No : 19 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
600415	0	4.046926975	0	0
600415	0	5.253684044	0	0
600415	0	4.981263161	0	0

3 Sample(s) in Group No : 19

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	4.760625	0.632911	13.294710	0.400577
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

TOC by Lloyd Kahn

Low Level Concentration Converter

Calibration Date = 12/2/04

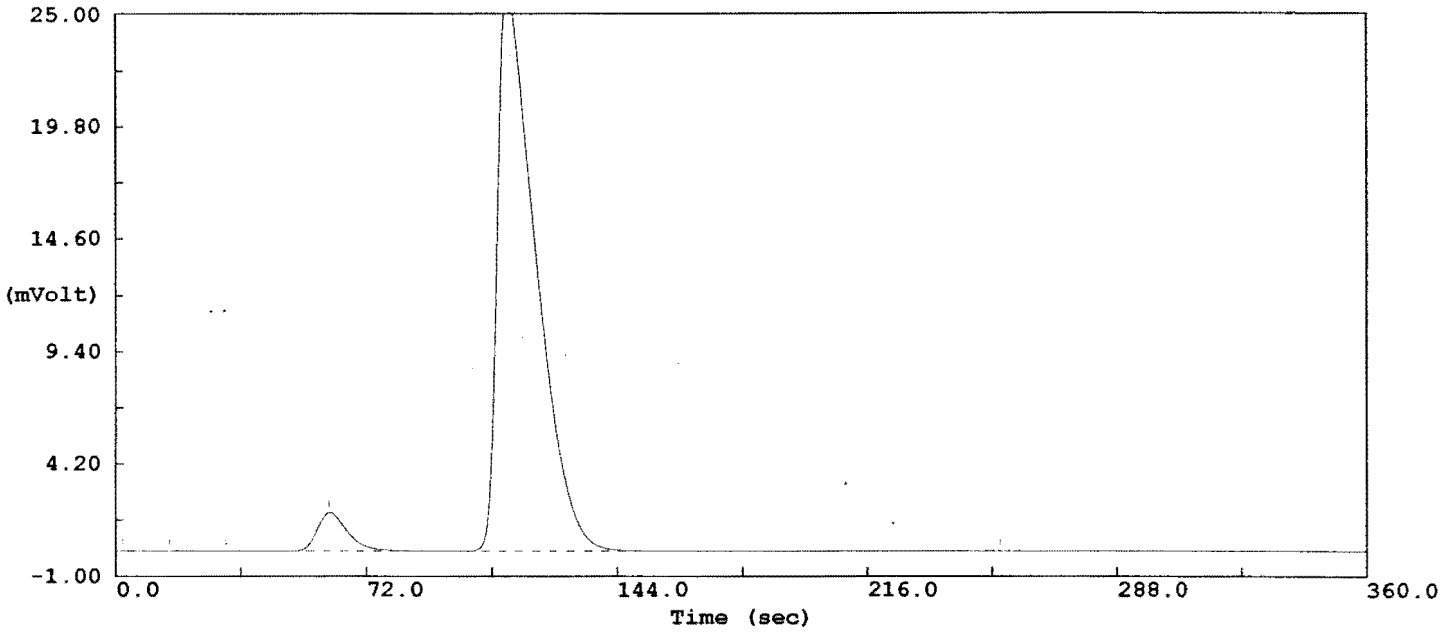
Cal Std	Area	Sample Wgt.	% Carbon	Carbon Wgt.
Low Std	134126	0.045	41.84	0.018828

Slope of one point calibration = 7123751.859

Analysis Date(s): 12/6/04
Reporting Limit: 500 mg/Kg

Sample ID	Area	Sample Wgt.	TOC mg/Kg	AVERAGE
BLANK	7875	30	36.84856031	
BLANK	8531	30	39.91810387	
PBS	11511	5	323.1724021	
PBS	8359	5	234.6797071	
PBS	8036	5	225.6114519	261.1545204
600216	98697	5.175	2677.224647	
600216	92792	5.749	2265.736722	
600216	126910	6.04	2949.511693	2630.824354
BLANK	8582	30	40.15674217	
BLANK	8152	30	38.1446938	
600217	110177	4.825	3205.419258	
600217	179641	9.242	2728.54246	
600217	217690	8.431	3624.520887	3186.160868
BLANK	8556	30	40.03508343	
BLANK	8608	30	40.27840091	
BLANK	8380	30	39.21154735	
BLANK	8513	30	39.83387859	
600224	147372	6.566	3150.687397	
600224	123909	7.874	2209.014966	
600224	163359	7.699	2978.516178	2779.40618
BLANK	9249	30	43.27775674	
BLANK	8244	30	38.57517856	
600226	115629	6.184	2624.753391	
600226	146203	6.444	3184.8719	
600226	134341	7.38	2555.309041	2788.311444
BLANK	9645	30	45.13071291	
BLANK	10374	30	48.54183678	
BLANK	8856	30	41.43883811	
BLANK	9150	30	42.81451769	

Eager 200 Strip-Chart



Filename C:\EAW\N120201.DAT
Sample name :ByPass Analysed :12-02-04 12:03

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:03	Printed	: 12/6/2004 12:31

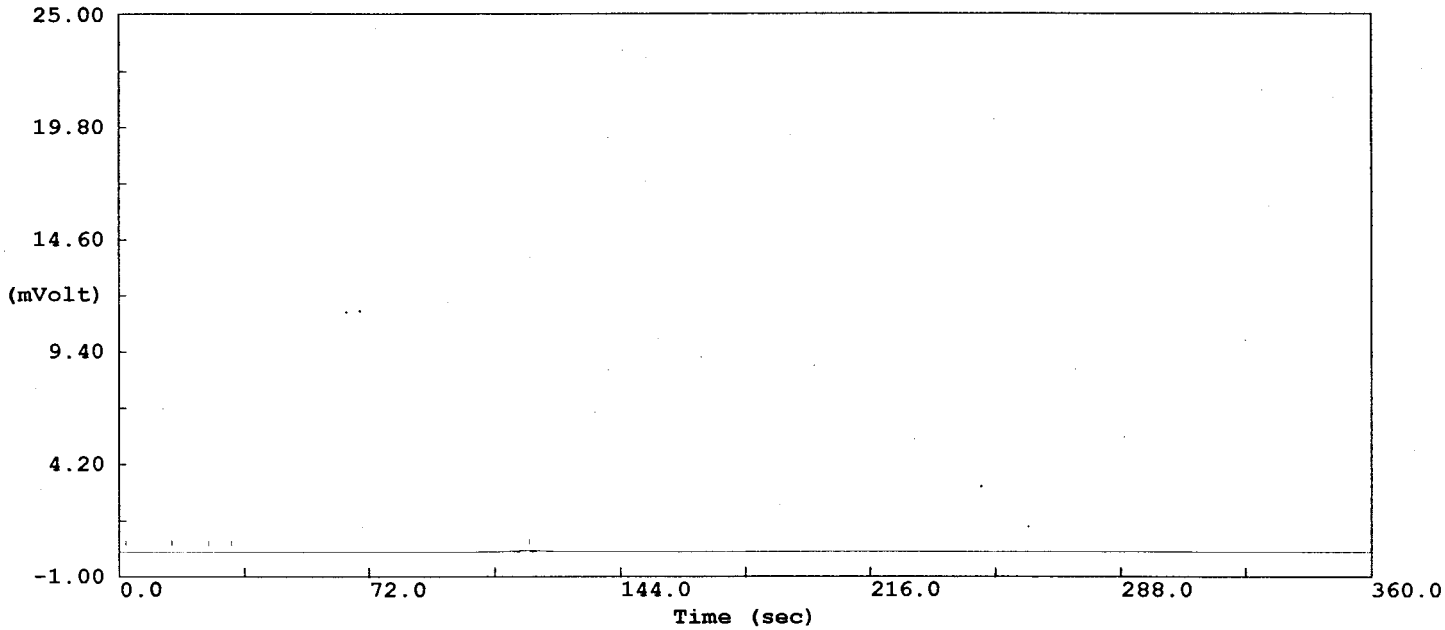
Sample ID	: ByPass (# 1)	Channel	: Channel B
Analysis Type	: By-Pass (Area)	Sample weight	:---
Chromatogram	: C:\EAW\N120201.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	113	3314308	RS	1.000000

Eager 200 Strip-Chart



Filename C:\EAW\N120202.DAT
Sample name :BLANK Analysed :12-02-04 12:09

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:09	Printed	: 12/6/2004 12:31

Sample ID	: BLANK (# 2)	Channel	: Channel B
Analysis Type	: Blank (Area)	Sample weight	:---
Chromatogram	: C:\EAW\N120202.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

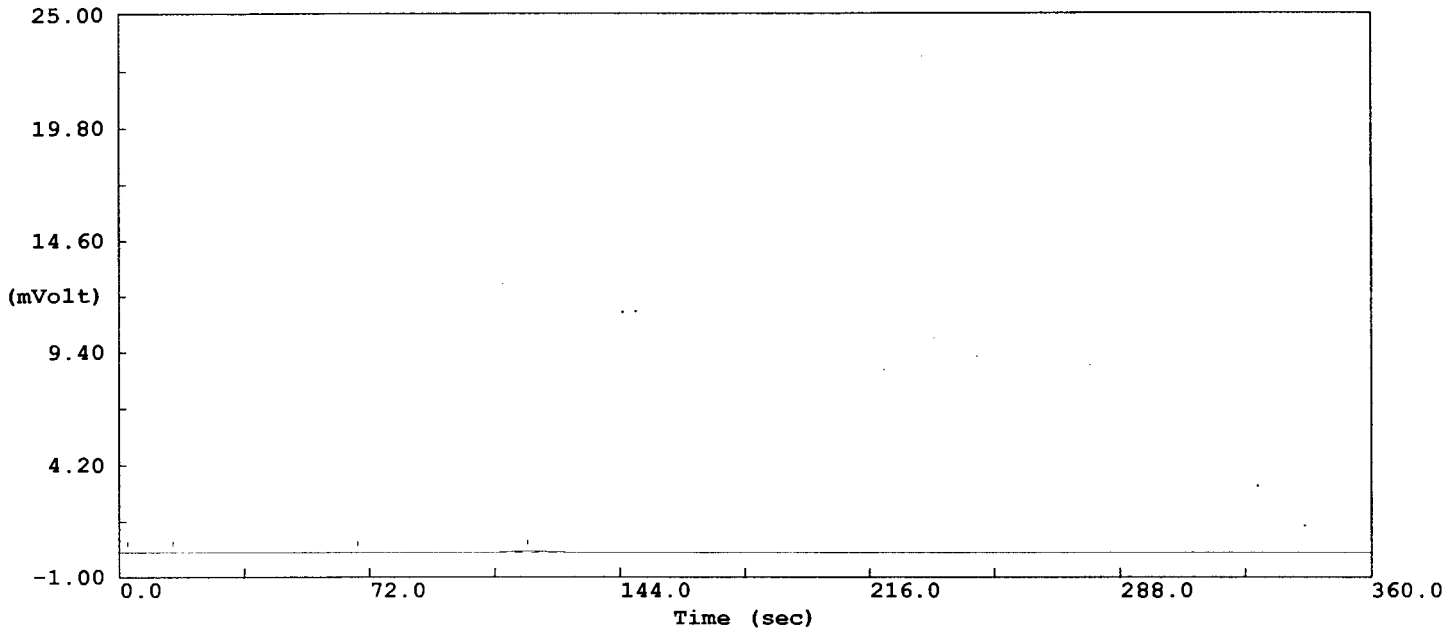
Element Name	Element %	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	118	7743	RS	1.000000

Element Name	Ret.Time	Blank avg.	Level
Nitrogen	44	0.0	0
Carbon	120	7743.0	1

 Sample: BLANK (N120202)

Hydrogen	186	0.0	0
Sulphur	418	0.0	0

Eager 200 Strip-Chart



Filename C:\EAW\N120203.DAT
Sample name :BLANK Analysed :12-02-04 12:15

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:15	Printed	: 12/6/2004 12:31

Sample ID	: BLANK (# 3)	Channel	: Channel B
Analysis Type	: Blank (Area)	Sample weight	:---
Chromatogram	: C:\EAW\N120203.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

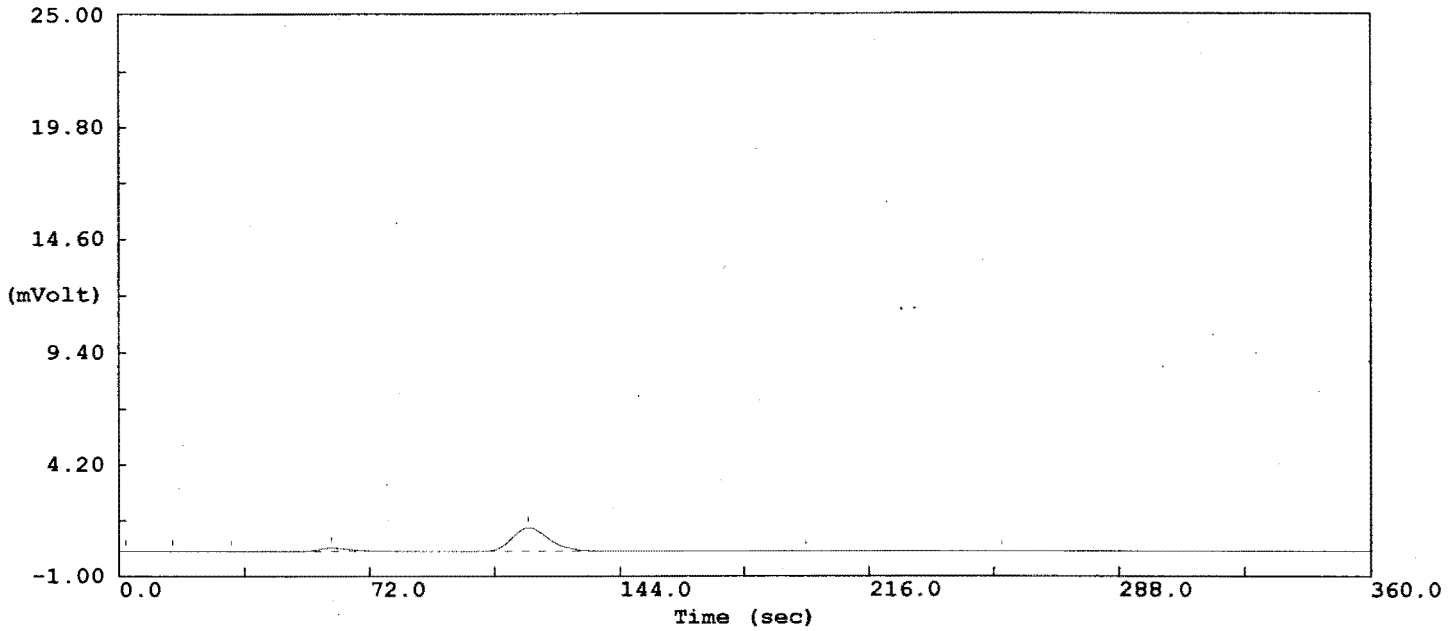
Element Name	Element %	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	118	7586	RS	1.000000

Element Name	Ret.Time	Blank avg.	Level
Nitrogen	44	0.0	0
Carbon	120	7664.5	2

 Sample: BLANK (N120203)

Hydrogen	186	0.0	0
Sulphur	418	0.0	0

Eager 200 Strip-Chart



Filename C:\EAW\N120204.DAT
Sample name :SULPHANILAMIDE Analysed :12-02-04 12:21

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:21	Printed	: 12/6/2004 12:31

Sample ID	: SULPHANILAMIDE (# 4)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: .045
Chromatogram	: C:\EAW\N120204.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

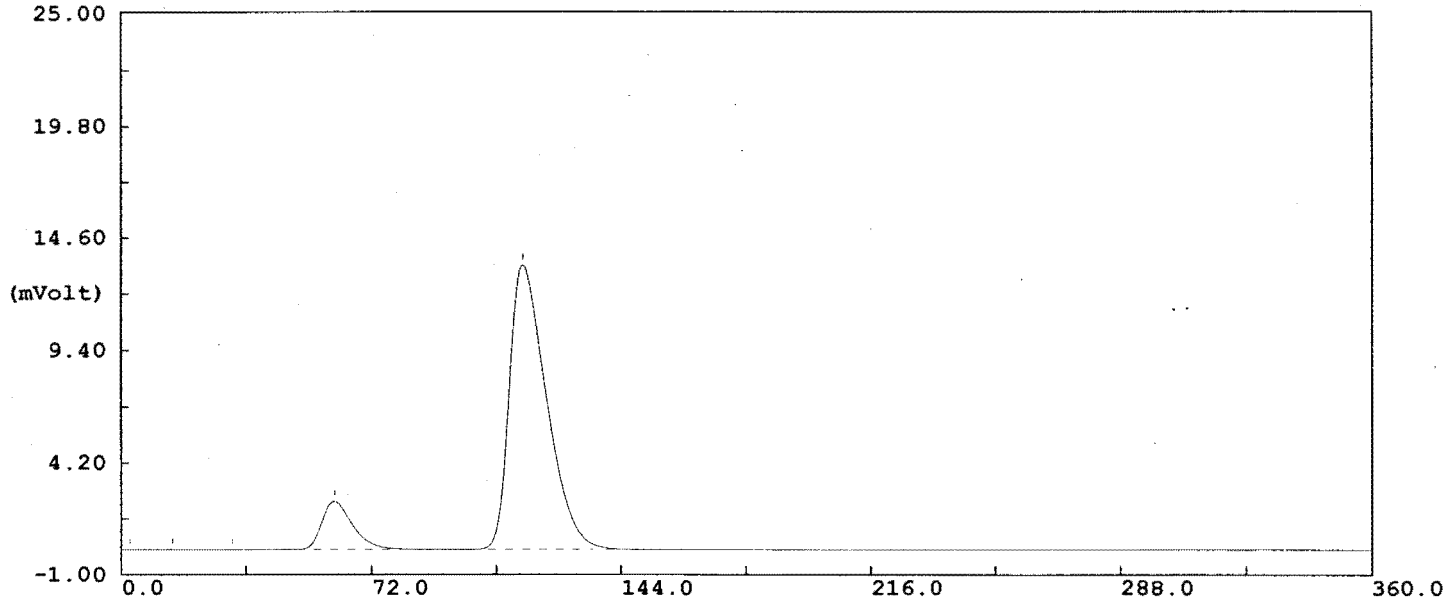
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	118	134126	RS	1.000000	
Hydrogen	4.6800	198	2	RS	67063.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

Nitrogen	44	....	....	0
Carbon	120	....	....	1
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\N120205.DAT
Sample name :SULPHANILAMIDE Analysed :12-02-04 12:27

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : TEMPLATB.MTH
Analysed : 12-02-04 12:27
Printed : 12/6/2004 12:31

Sample ID : SULPHANILAMIDE (# 5)
Channel : Channel B
Analysis Type : Calibration (Area)
Sample weight : .515
Chromatogram : C:\EAW\N120205.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

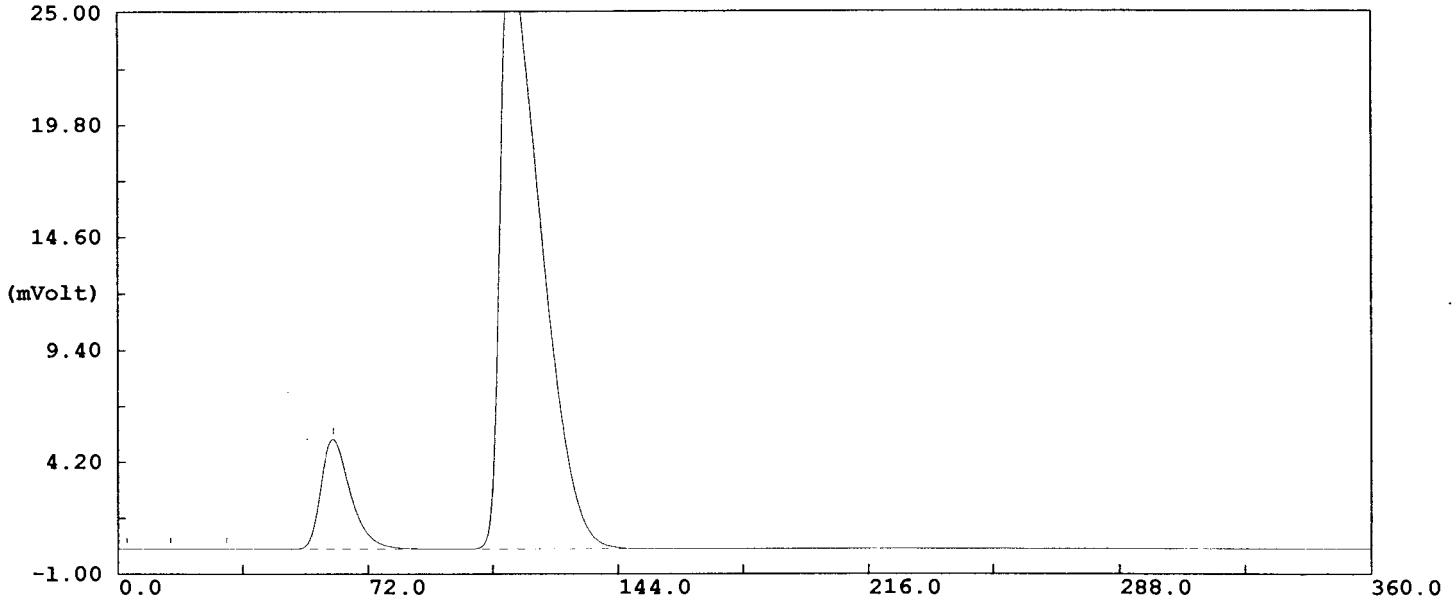
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	116	1631518	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

Nitrogen	44	....	....	0
Carbon	120	7.614581E+06	-9.241319E+03	2
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\N120206.DAT
Sample name :SULPHANILAMIDE Analysed :12-02-04 12:33

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:33	Printed	: 12/6/2004 12:32

Sample ID	: SULPHANILAMIDE (# 6)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: 1.155
Chromatogram	: C:\EAW\N120206.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

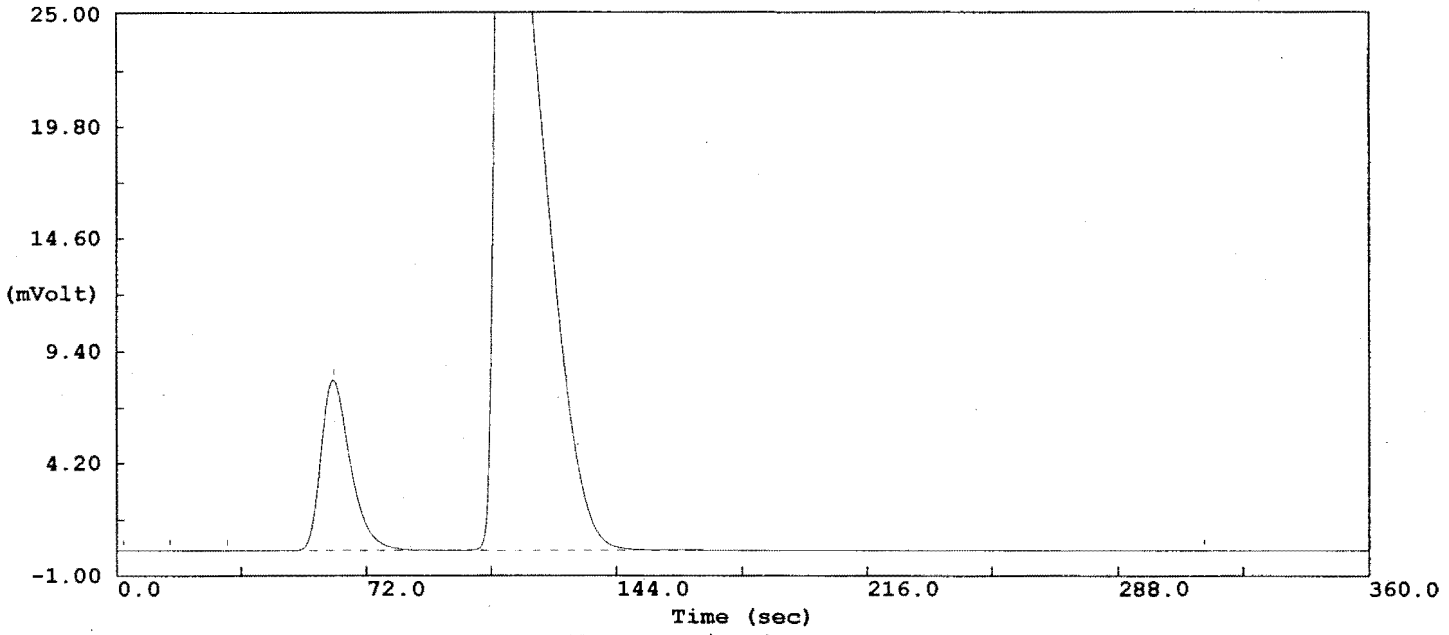
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	113	3642547	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

Nitrogen	44	....	....	0
Carbon	120	7.551764E+06	-3.540856E+03	3
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\N120207.DAT
Sample name :SULPHANILAMIDE Analysed :12-02-04 12:39

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : TEMPLATB.MTH
Analysed : 12-02-04 12:39
Printed : 12/6/2004 12:32

Sample ID : SULPHANILAMIDE (# 7)
Channel : Channel B
Analysis Type : Calibration (Area)
Sample weight : 1.775
Chromatogram : C:\EAW\N120207.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

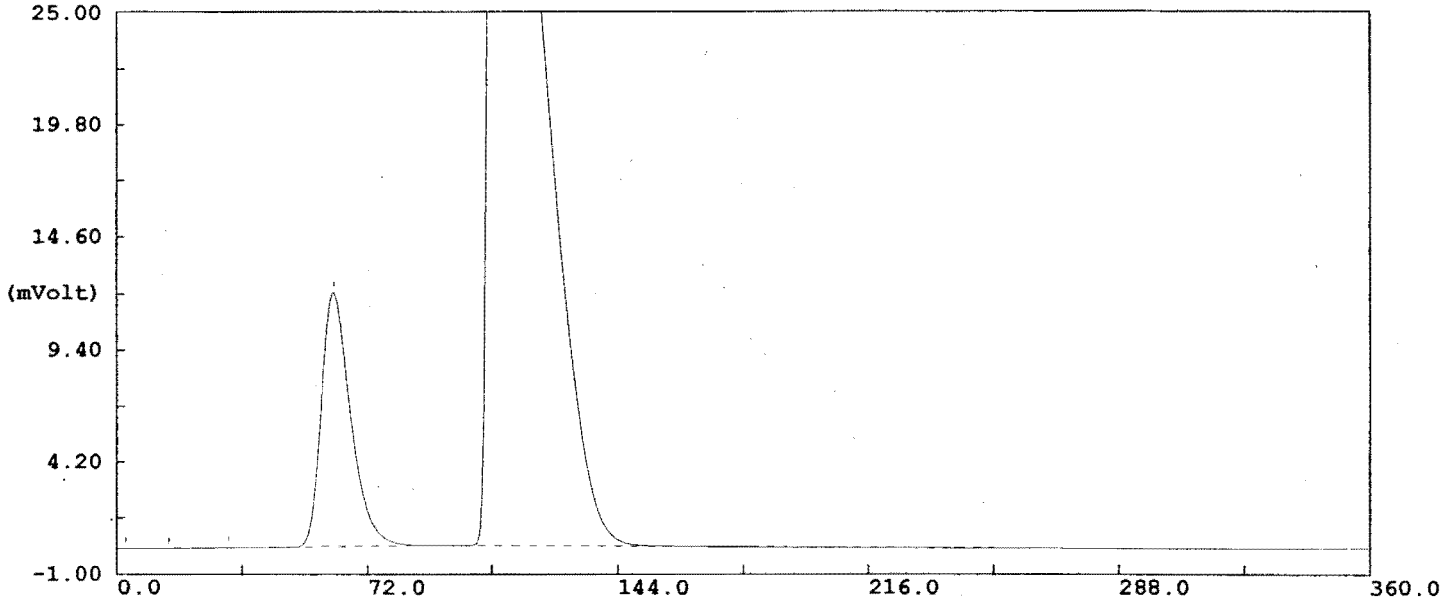
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	112	5585661	FU	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

Nitrogen	44	....	....	0
Carbon	120	7.527512E+06	5.145490E+02	4
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\N120208.DAT
Sample name :SULPHANILAMIDE Analysed :12-02-04 12:46

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 12-02-04 12:46	Printed	: 12/6/2004 12:32

Sample ID	: SULPHANILAMIDE (# 8)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: 2.605
Chromatogram	: C:\EAW\N120208.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

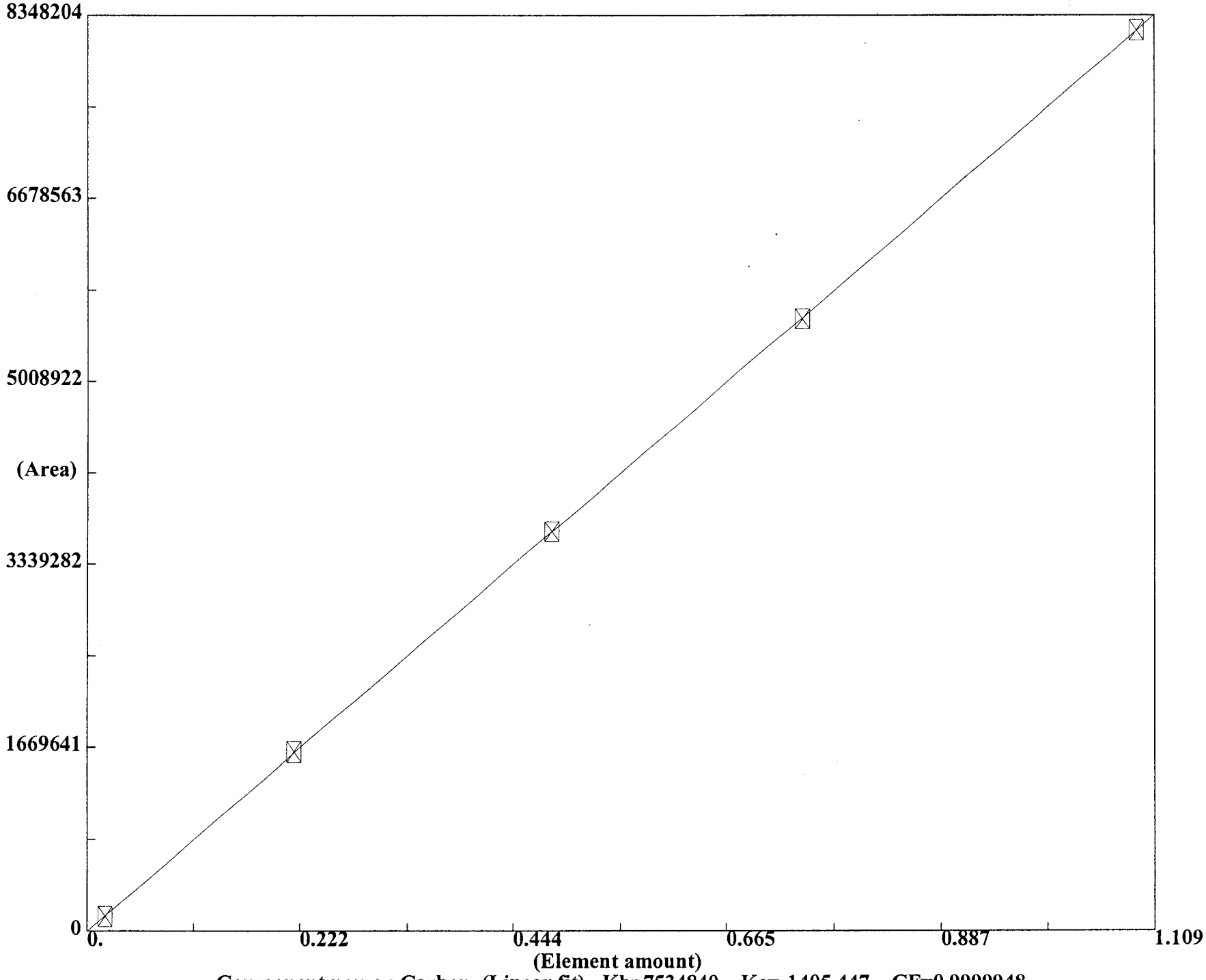
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	109	8214078	RS	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

Nitrogen	44	....	....	0
Carbon	120	7.534840E+06	-1.405447E+03	5
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

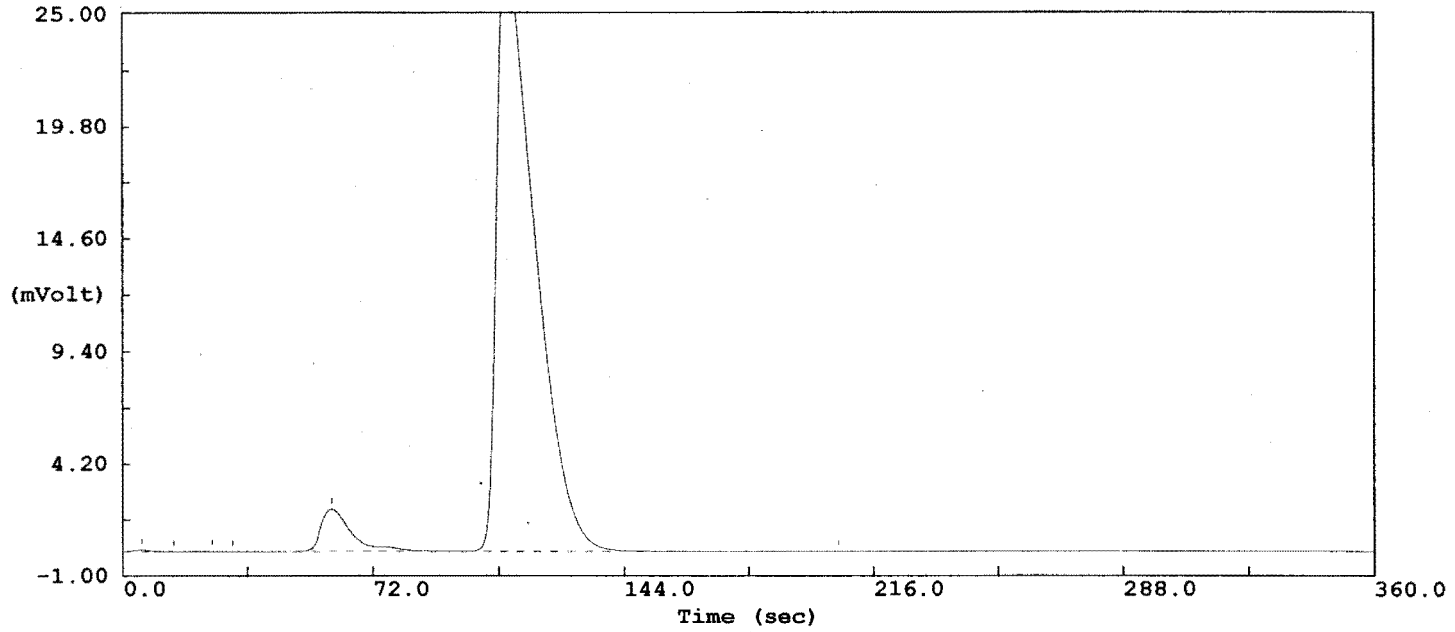
NA1500 Eager 200 Calibration 12/02/04



Component name : Carbon (Linear fit) Kb=7534840 Kc=-1405.447 CF=0.9999948

10046
47833

Eager 200 Strip-Chart



Filename C:\EAW\N120609.DAT
Sample name :ACETANILIDE Analysed :12-06-04 12:42

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 12:42	Printed	: 12/6/2004 12:48

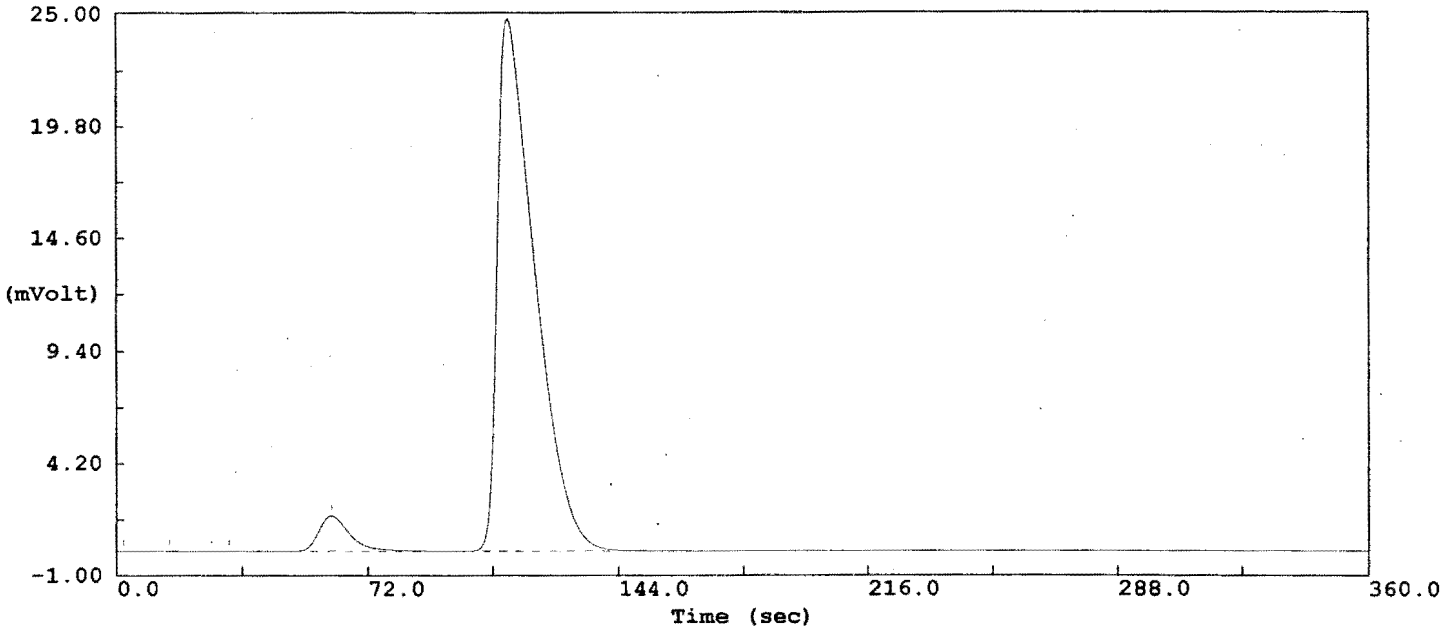
Sample ID	: ACETANILIDE (# 9)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .688
Chromatogram	: C:\EAW\N120609.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	68.5542	111	3552423	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120610.DAT
Sample name :ACETANILIDE Analysed :12-06-04 12:48

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 12:48	Printed	: 12/6/2004 12:54

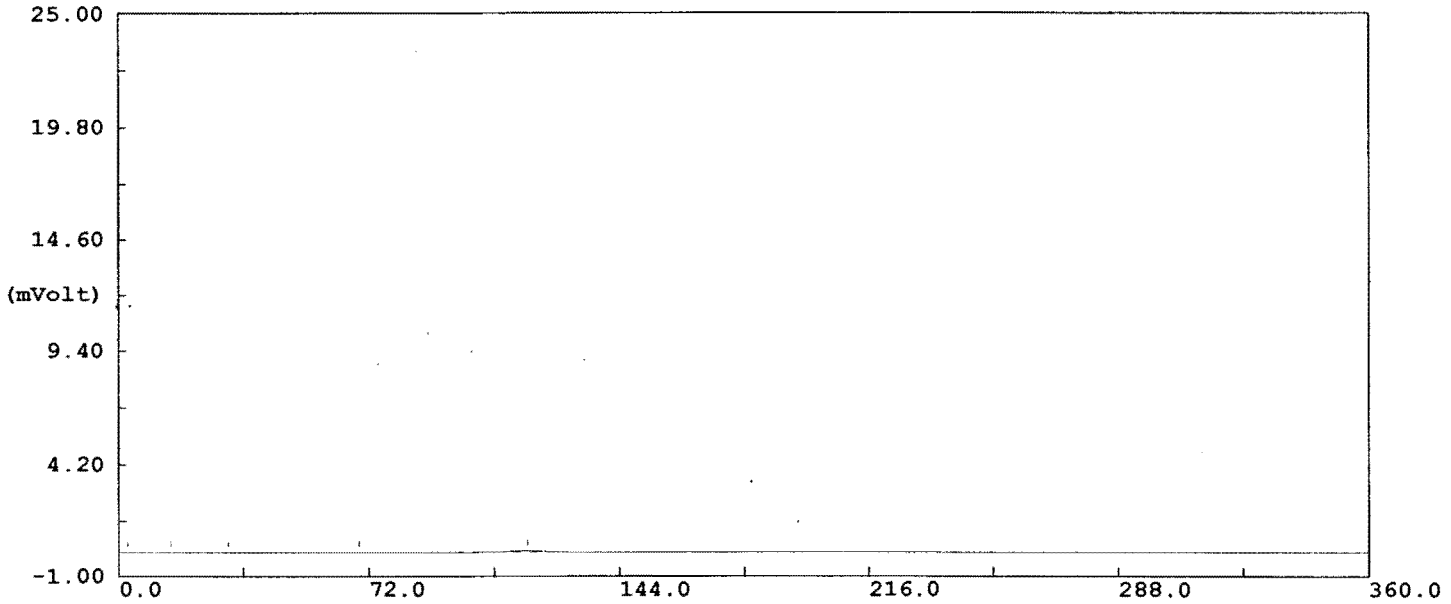
Sample ID	: ACETANILIDE (# 10)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .582
Chromatogram	: C:\EAW\N120610.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	70.8884	113	3107247	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120611.DAT
Sample name :BLANK Analysed :12-06-04 12:54

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 12:54	Printed	: 12/6/2004 13:00

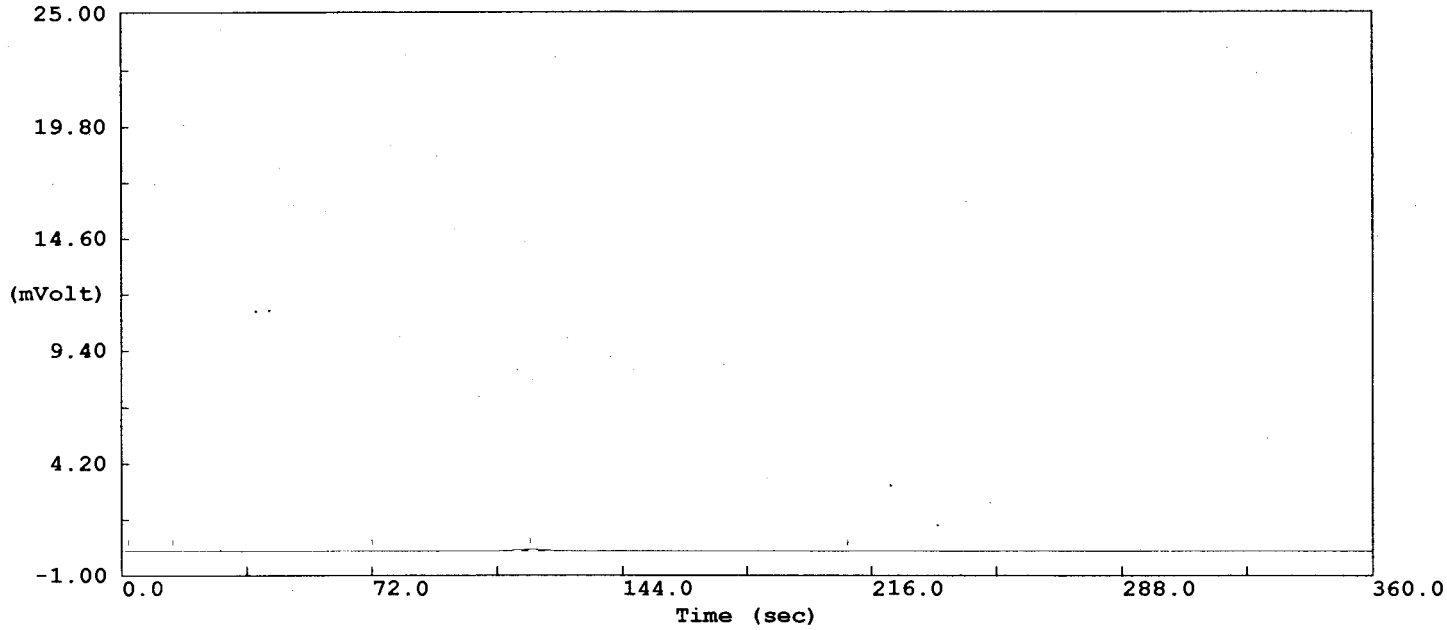
Sample ID	: BLANK (# 11)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120611.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0041	118	7875	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120612.DAT
Sample name :BLANK Analysed :12-06-04 13:00

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:00	Printed	: 12/6/2004 13:07

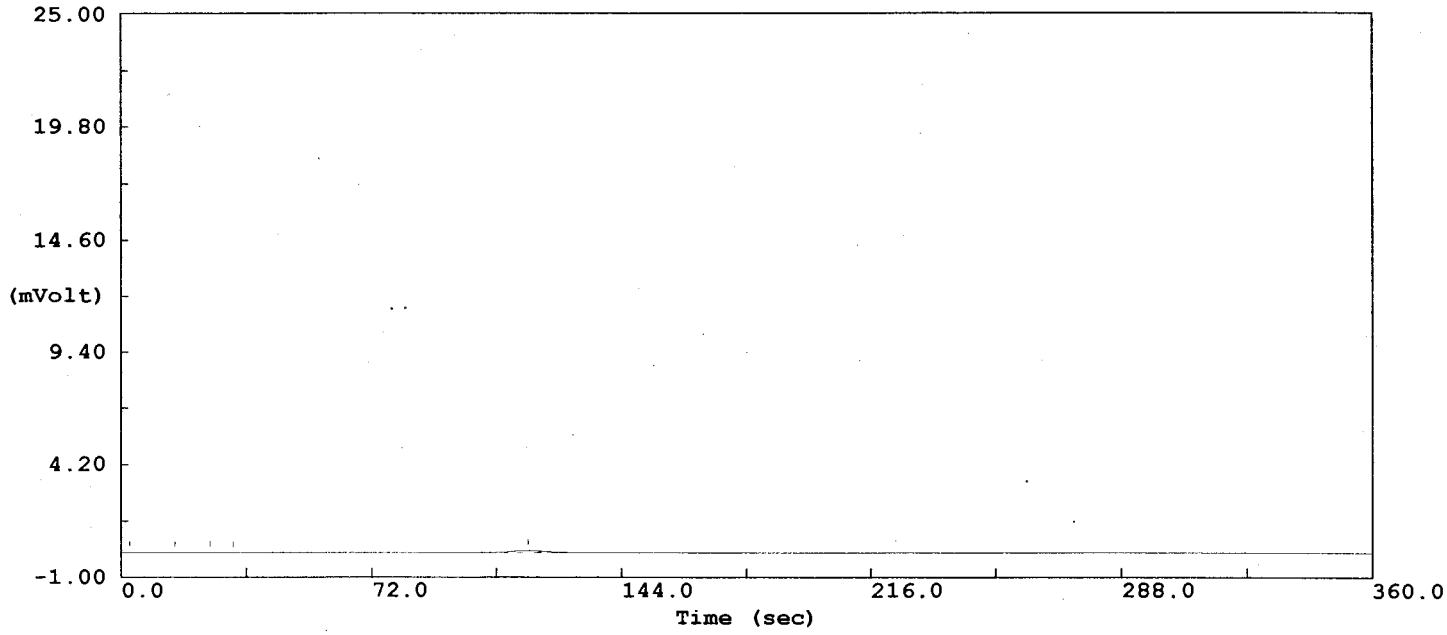
Sample ID	: BLANK (# 12)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120612.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0044	118	8531	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120613.DAT
Sample name :PBS1 Analysed :12-06-04 13:07

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:07	Printed	: 12/6/2004 13:13

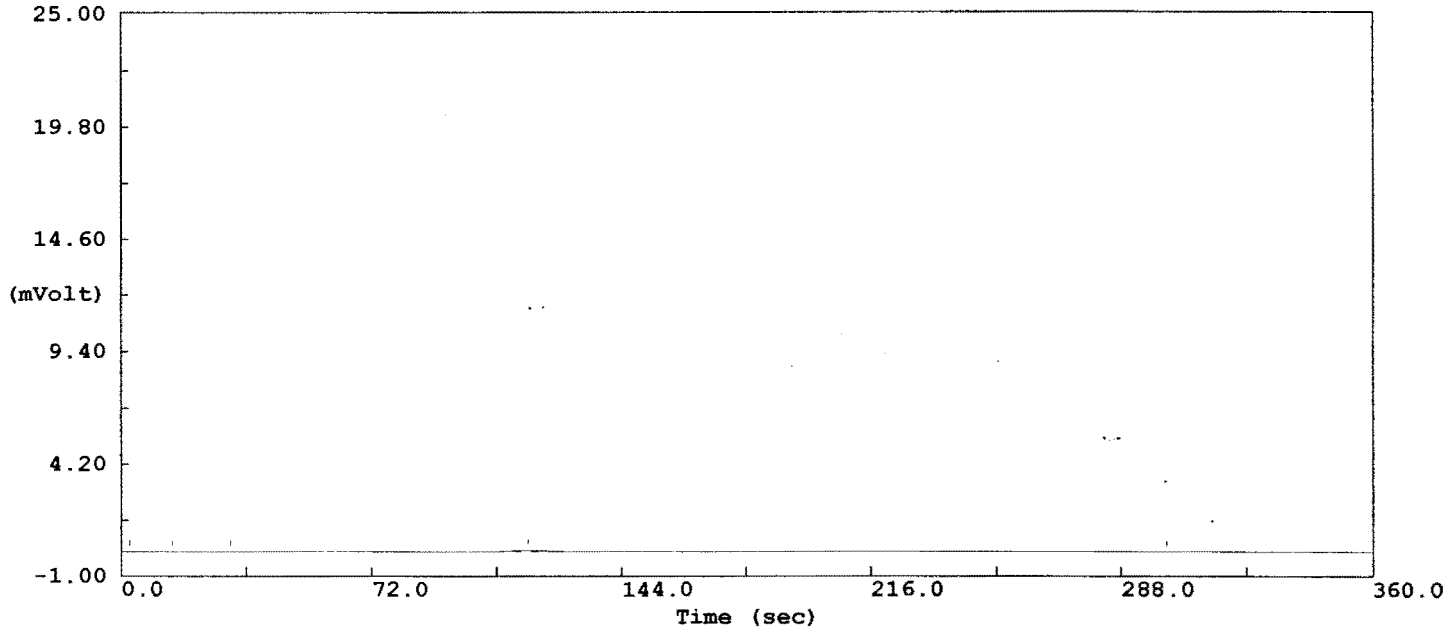
Sample ID	: PBS1 (# 13)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5
Chromatogram	: C:\EAW\N120613.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0343	117	11511	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120614.DAT
Sample name :PBS2 Analysed :12-06-04 13:13

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:13	Printed	: 12/6/2004 13:19

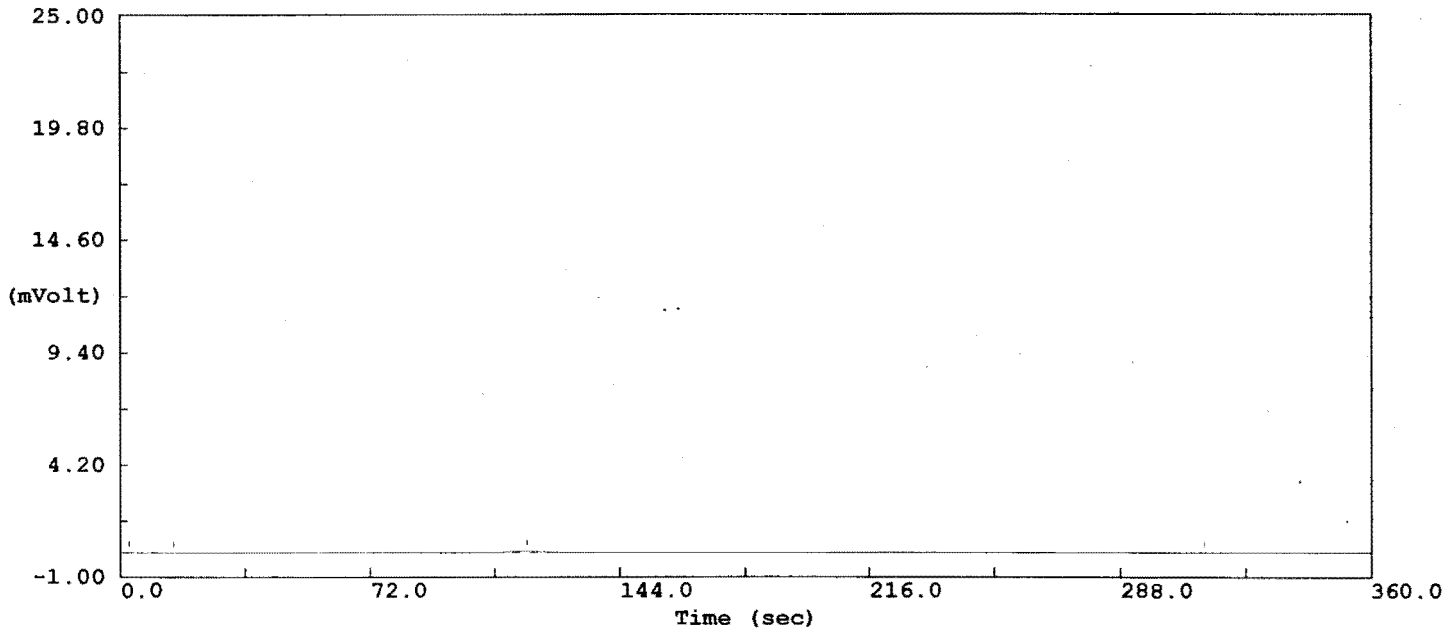
Sample ID	: PBS2 (# 14)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5
Chromatogram	: C:\EAW\N120614.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0259	117	8359	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120615.DAT
Sample name :PBS3 Analysed :12-06-04 13:19

Eager 200 Report

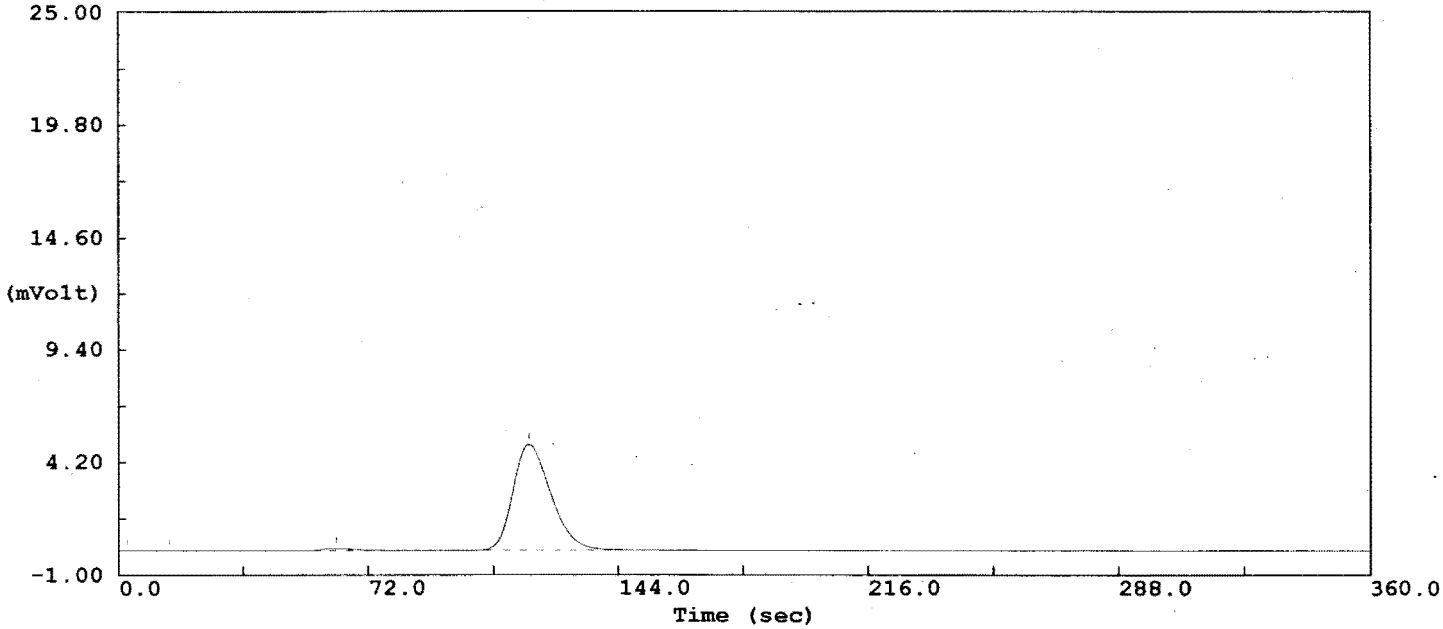
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:19	Printed	: 12/6/2004 13:25
Sample ID	: PBS3 (# 15)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5
Chromatogram	: C:\EAW\N120615.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0251	117	8036	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120616.DAT
Sample name :LCS1 Analysed :12-06-04 13:25

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1206.MTH
Analysed : 12-06-04 13:25
Printed : 12/6/2004 13:31

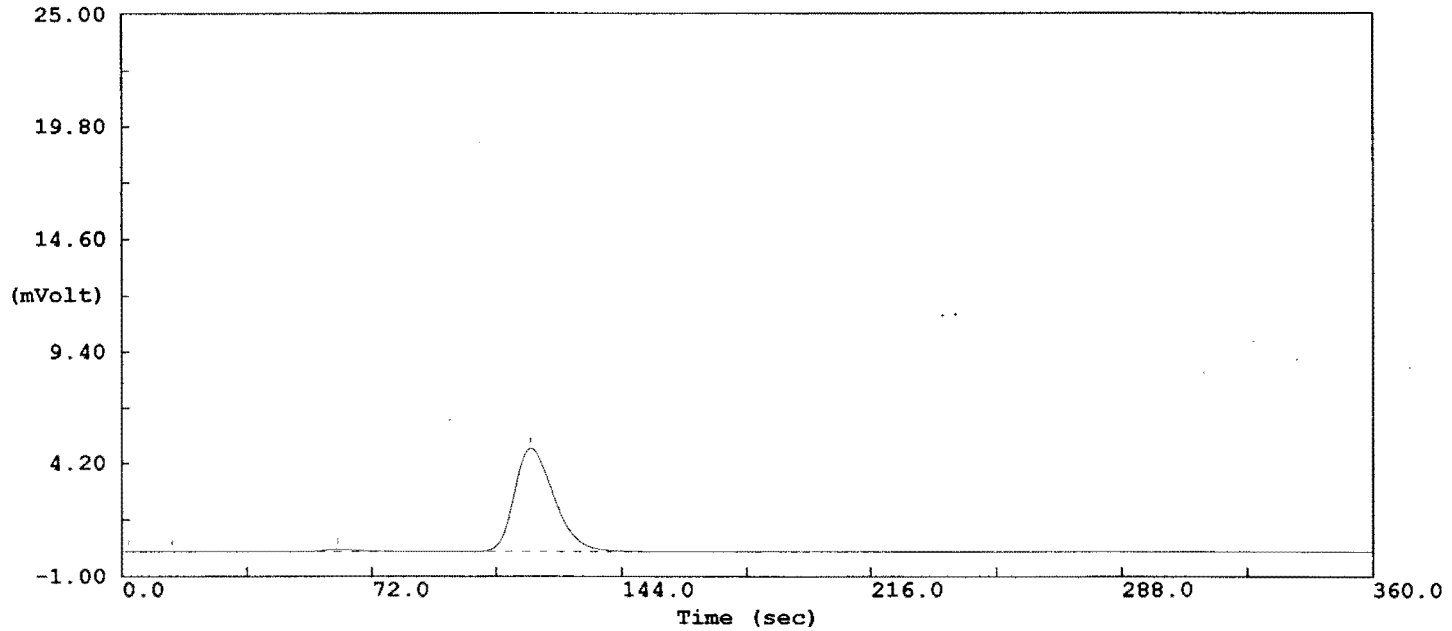
Sample ID : LCS1 (# 16)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 10.882
Chromatogram : C:\EAW\N120616.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7548	118	617451	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120617.DAT
Sample name :LCS2 Analysed :12-06-04 13:31

Eager 200 Report

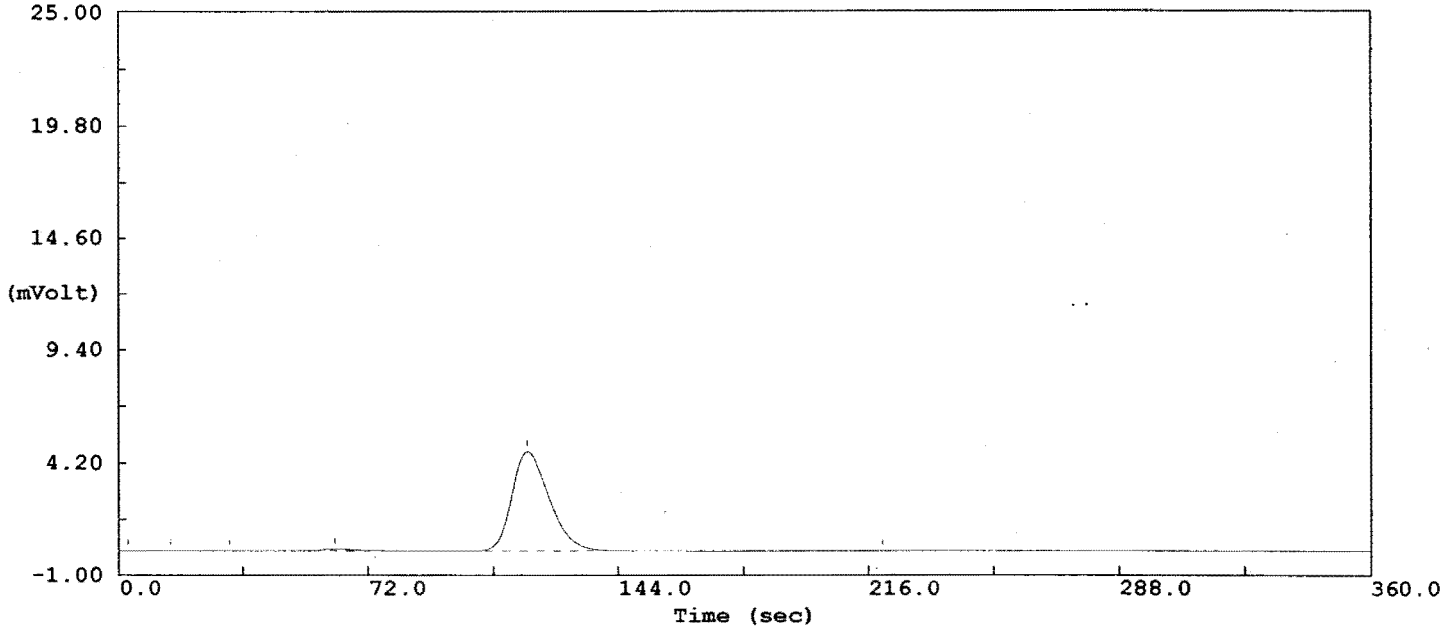
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:31	Printed	: 12/6/2004 13:37
Sample ID	: LCS2 (# 17)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 10.298
Chromatogram	: C:\EAW\N120617.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7871	118	609346	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120618.DAT
Sample name :LCS3 Analysed :12-06-04 13:37

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:37	Printed	: 12/6/2004 13:43

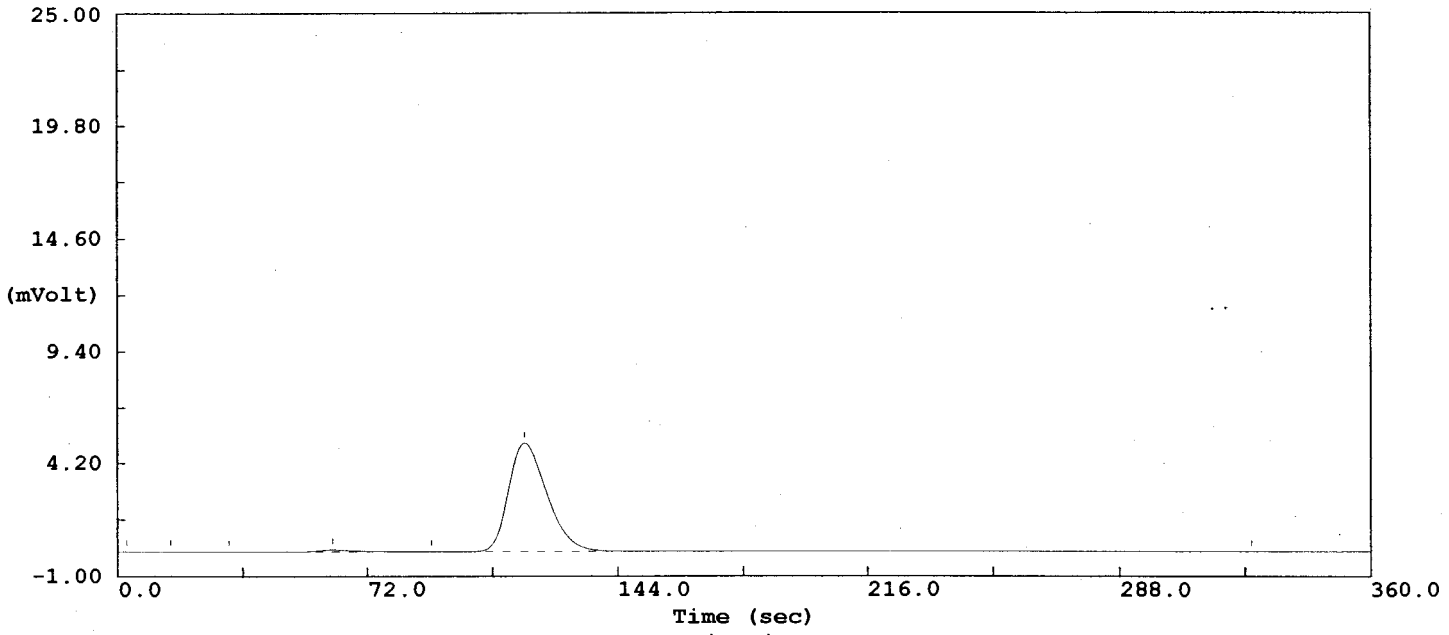
Sample ID	: LCS3 (# 18)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.055
Chromatogram	: C:\EAW\N120618.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8305	118	565216	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120619.DAT
Sample name :LCS4 Analysed :12-06-04 13:43

Eager 200 Report

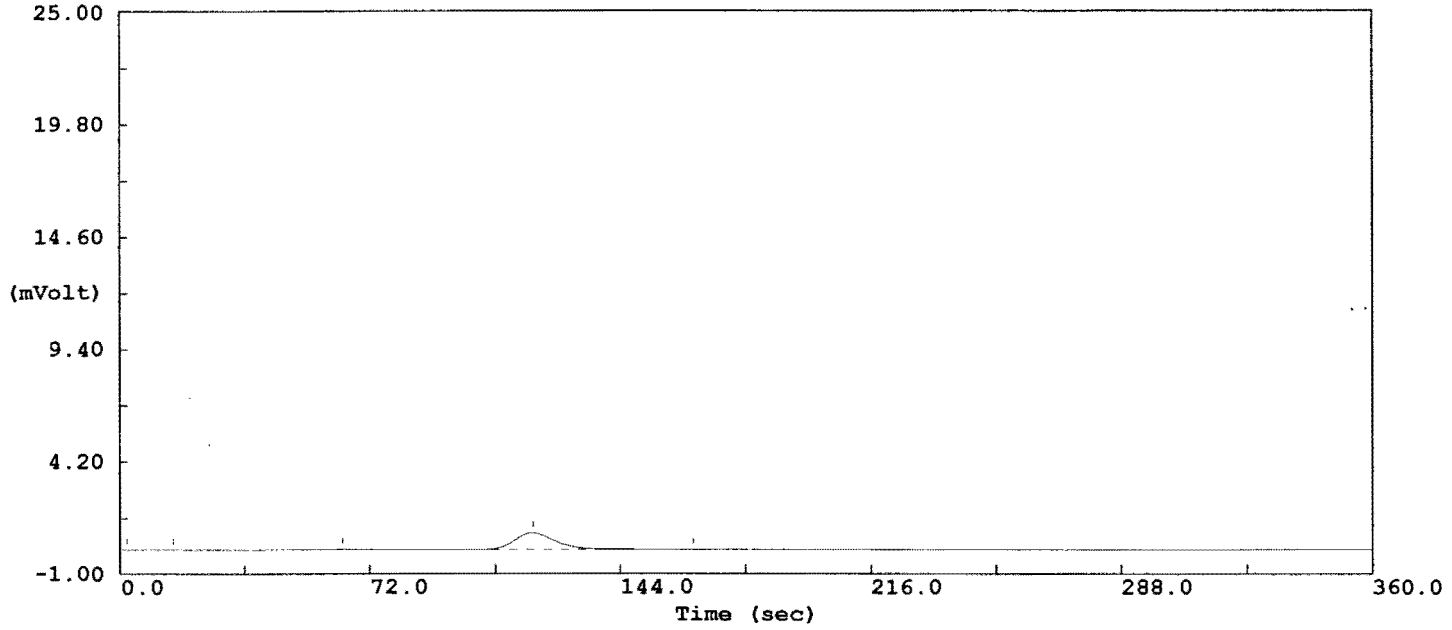
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:43	Printed	: 12/6/2004 13:49
Sample ID	: LCS4 (# 19)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 10.085
Chromatogram	: C:\EAW\N120619.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8115	117	615271	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120620.DAT
Sample name :600216 Analysed :12-06-04 13:49

Eager 200 Report

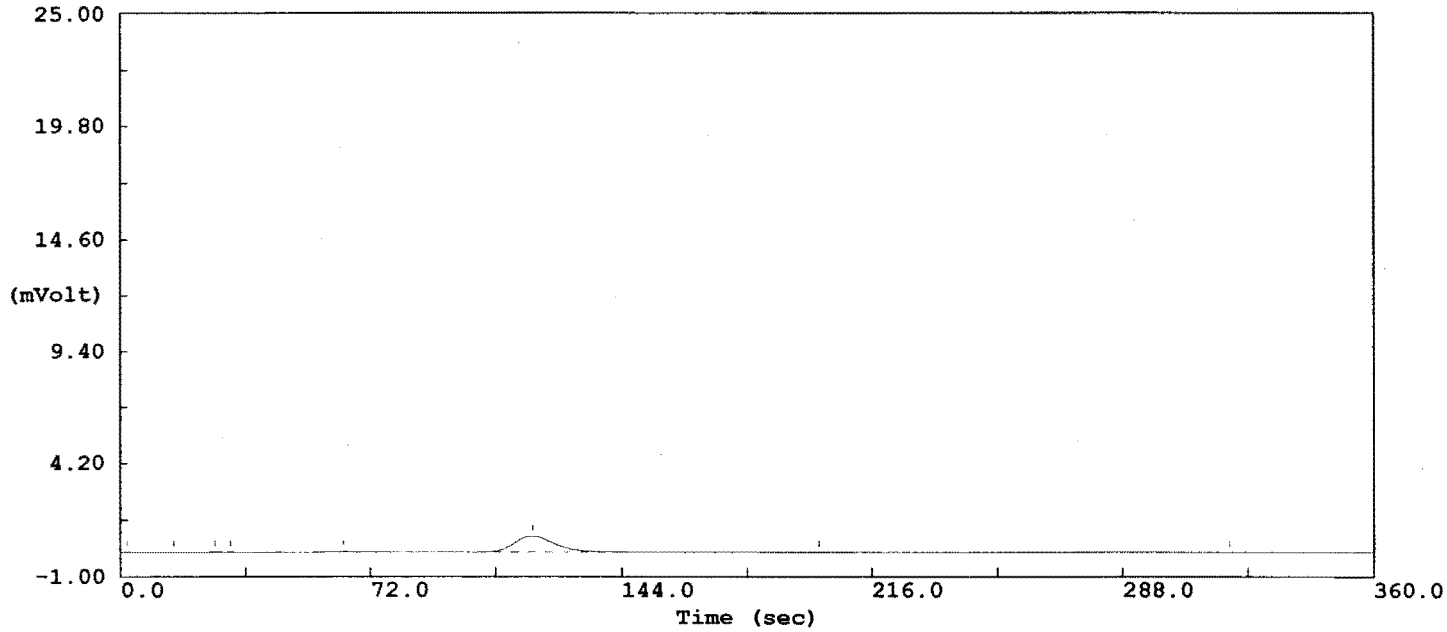
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:49	Printed	: 12/6/2004 13:55
Sample ID	: 600216 (# 20)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.175
Chromatogram	: C:\EAW\N120620.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2567	119	98697	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120621.DAT
Sample name :600216 Analysed :12-06-04 13:55

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 13:55	Printed	: 12/6/2004 14:01

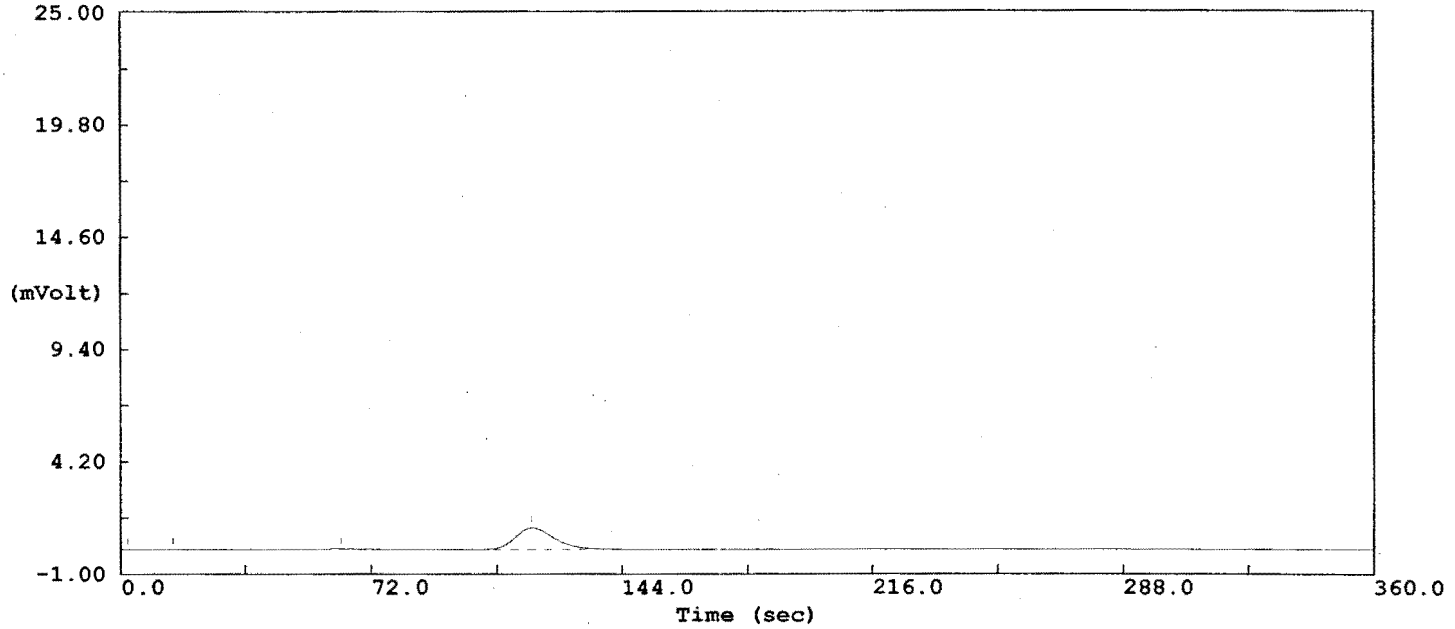
Sample ID	: 600216 (# 21)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.749
Chromatogram	: C:\EAW\N120621.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2175	119	92792	RS	1.000000	
Hydrogen	-3.2777560E+00	201	619	RS	149.906300	

Eager 200 Strip-Chart



Filename C:\EAW\N120622.DAT
Sample name :600216 Analysed :12-06-04 14:01

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:01	Printed	: 12/6/2004 14:07

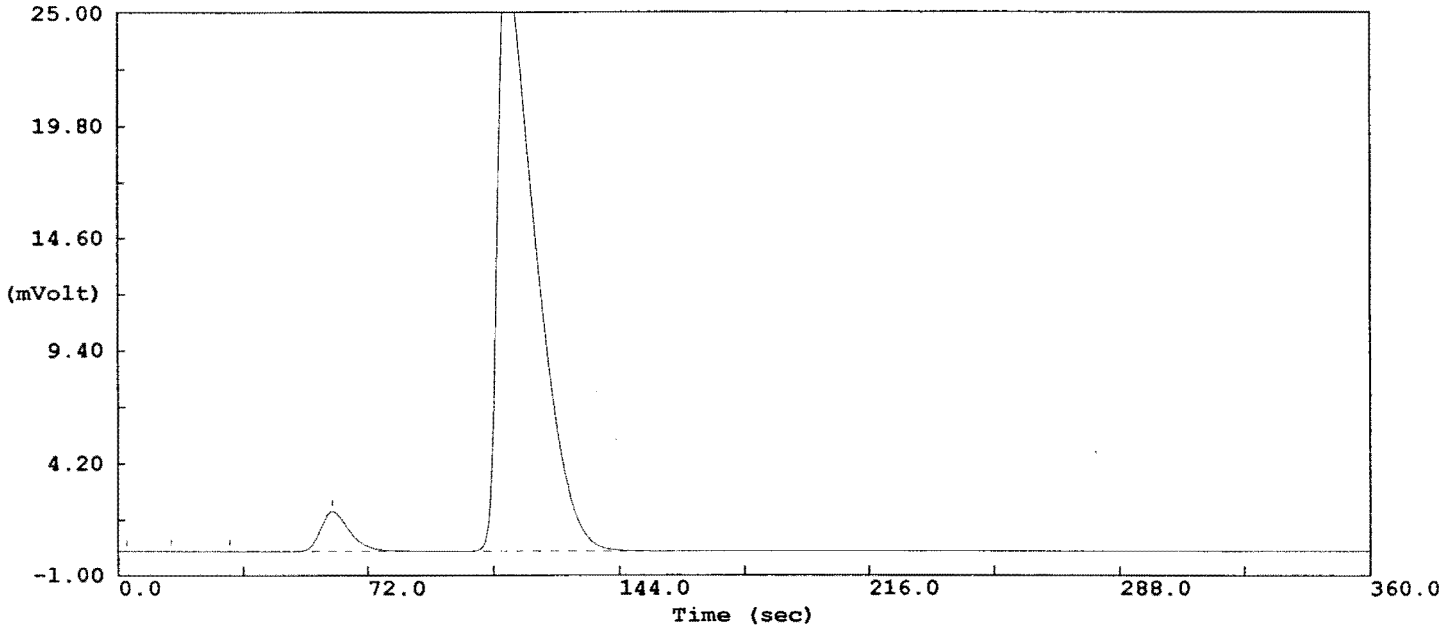
Sample ID	: 600216 (# 22)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.04
Chromatogram	: C:\EAW\N120622.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2819	118	126910	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120623.DAT
Sample name :ACETANILIDE Analysed :12-06-04 14:07

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:07	Printed	: 12/6/2004 14:13

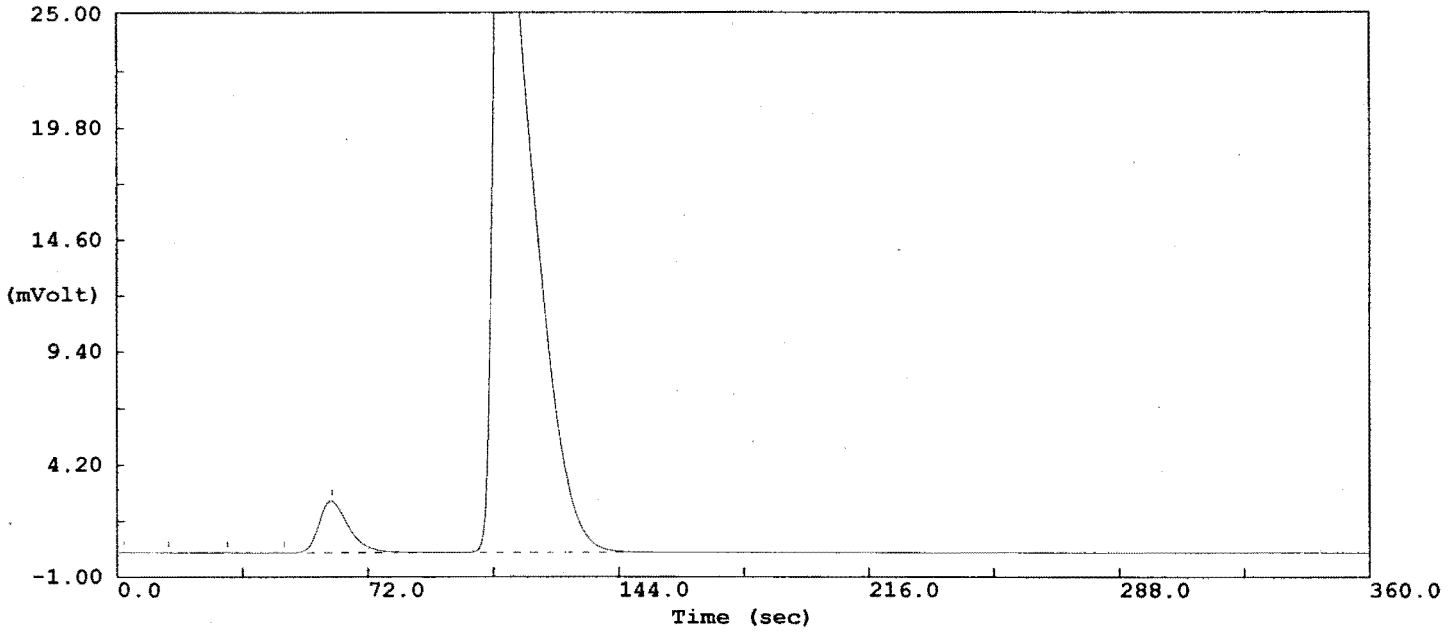
Sample ID	: ACETANILIDE (# 23)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .653
Chromatogram	: C:\EAW\N120623.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	70.2169	112	3453442	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120624.DAT
Sample name :ACETANILIDE Analysed :12-06-04 14:13

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:13	Printed	: 12/6/2004 14:19

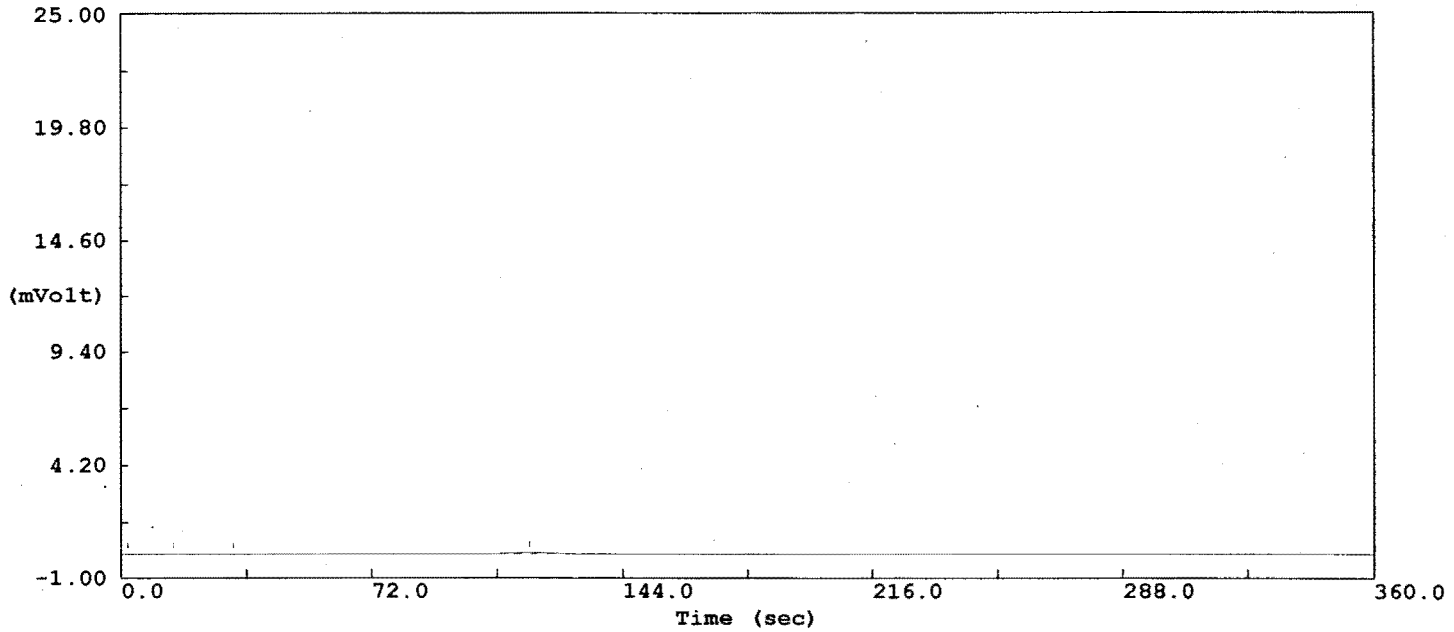
Sample ID	: ACETANILIDE (# 24)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .829
Chromatogram	: C:\EAW\N120624.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	6.5006	48	3	RS	1458787.000000	
Carbon	70.0848	111	4376362	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120625.DAT
Sample name :BLANK Analysed :12-06-04 14:19

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:19	Printed	: 12/6/2004 14:25

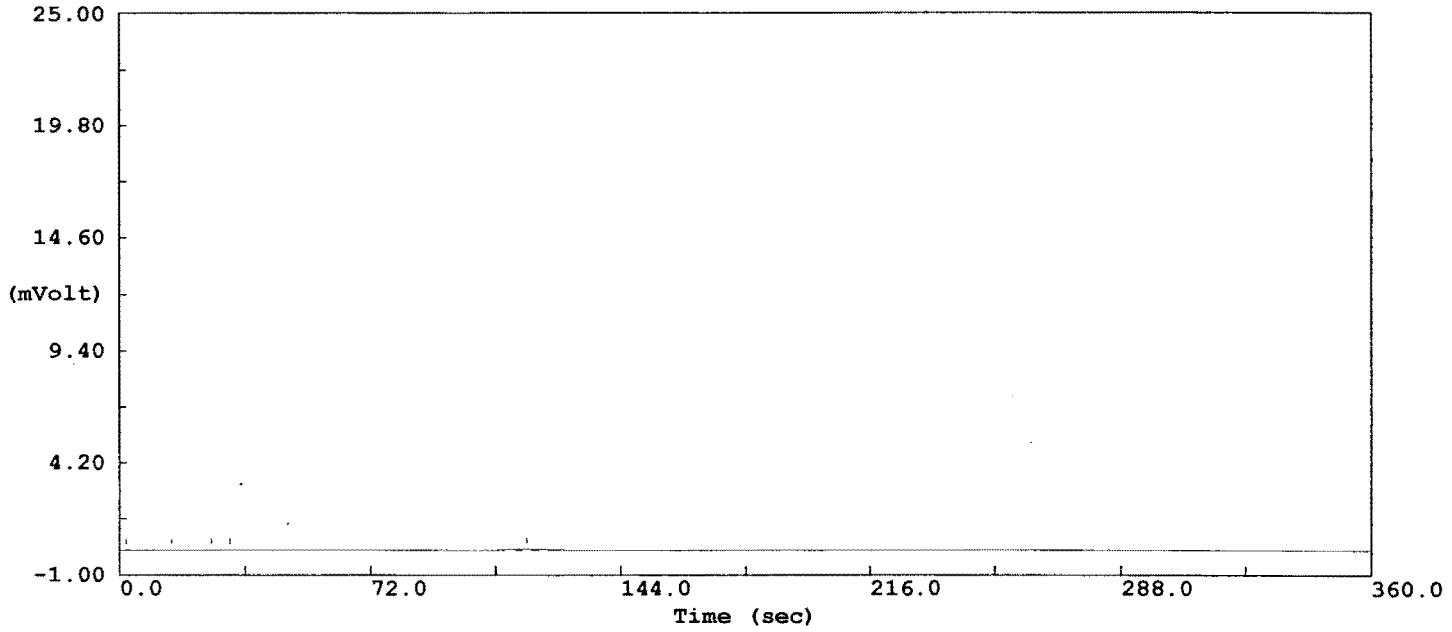
Sample ID	: BLANK (# 25)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120625.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0044	118	8582	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120626.DAT
Sample name :BLANK Analysed :12-06-04 14:26

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:26	Printed	: 12/6/2004 14:32

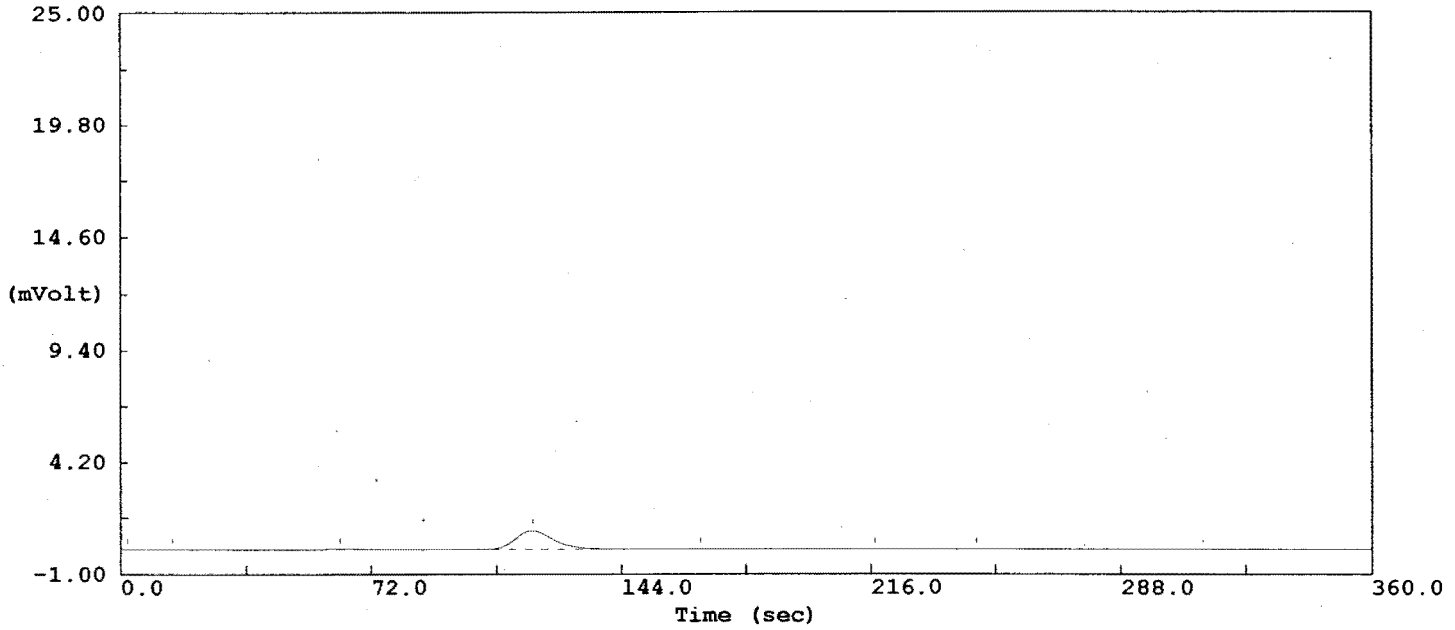
Sample ID	: BLANK (# 26)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120626.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0042	117	8152	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120627.DAT
Sample name :600217 Analysed :12-06-04 14:32

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:32	Printed	: 12/6/2004 14:38

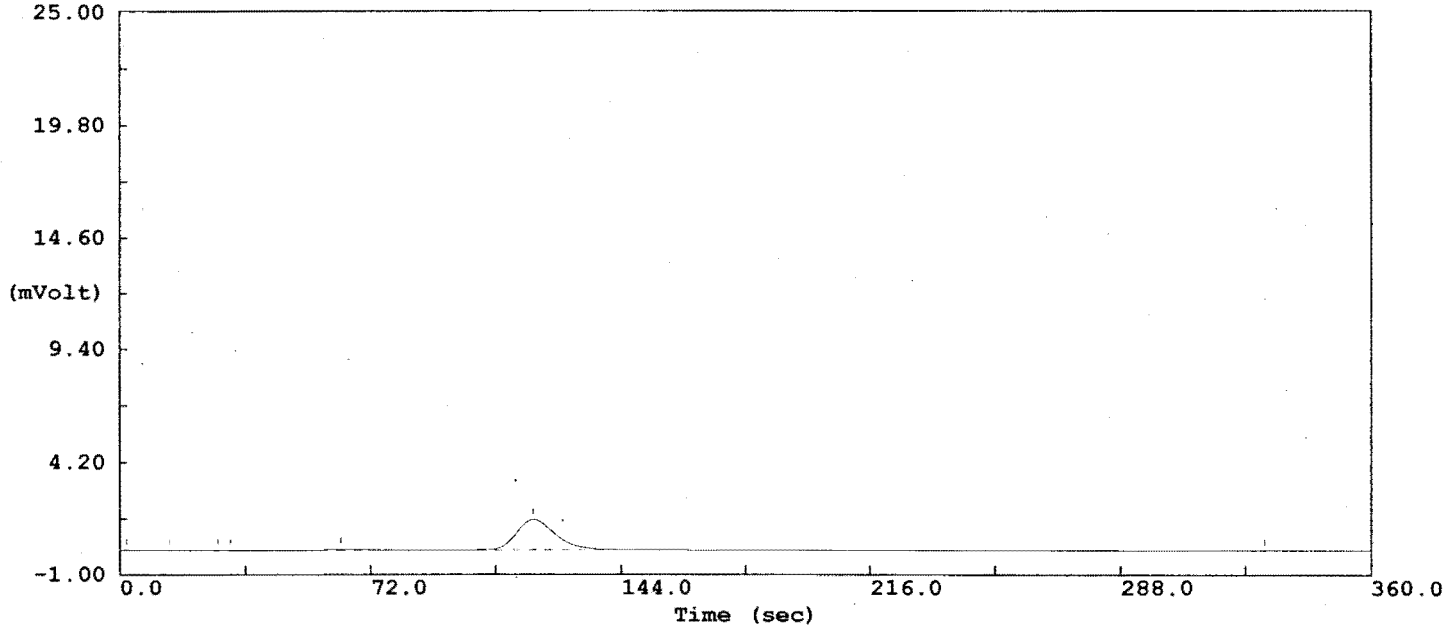
Sample ID	: 600217 (# 27)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.825
Chromatogram	: C:\EAW\N120627.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3069	119	110177	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120628.DAT
Sample name :600217 Analysed :12-06-04 14:38

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:38	Printed	: 12/6/2004 14:44

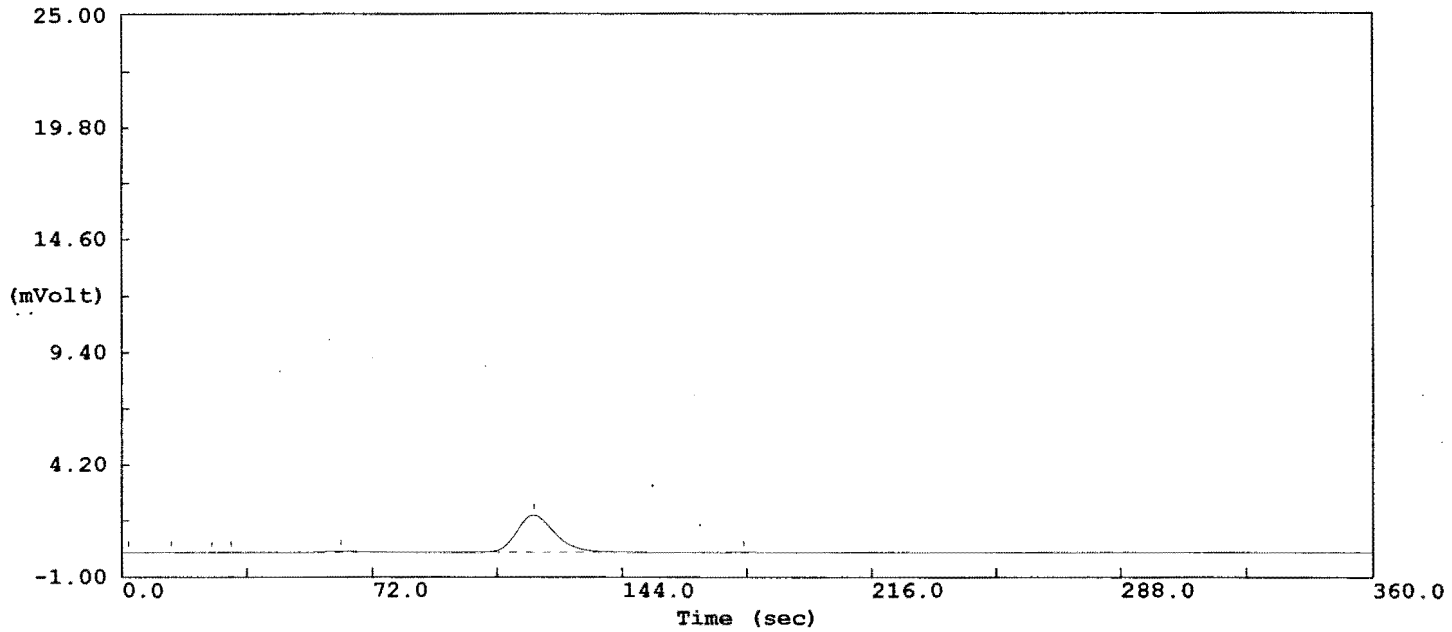
Sample ID	: 600217 (# 28)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.242
Chromatogram	: C:\EAW\N120628.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2600	119	179641	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120629.DAT
Sample name :600217 Analysed :12-06-04 14:44

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 14:44

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 14:50

Sample ID : 600217 (# 29)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120629.DAT

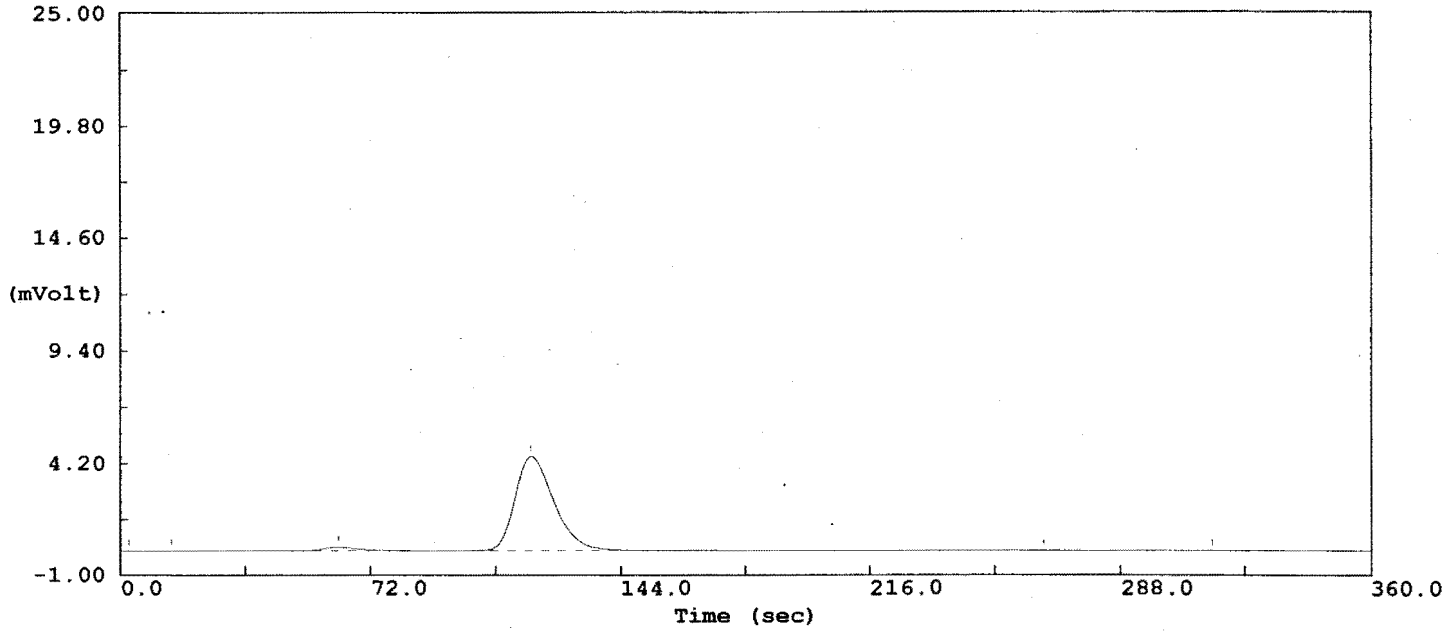
Channel : Channel B
Sample weight : 8.431

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3449	119	217690	RS	1.000000	
Hydrogen	-1.9824787E+00	179	919	RS	236.877000	

Eager 200 Strip-Chart



Filename C:\EAW\N120630.DAT
Sample name :600218 Analysed :12-06-04 14:50

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:50	Printed	: 12/6/2004 14:56

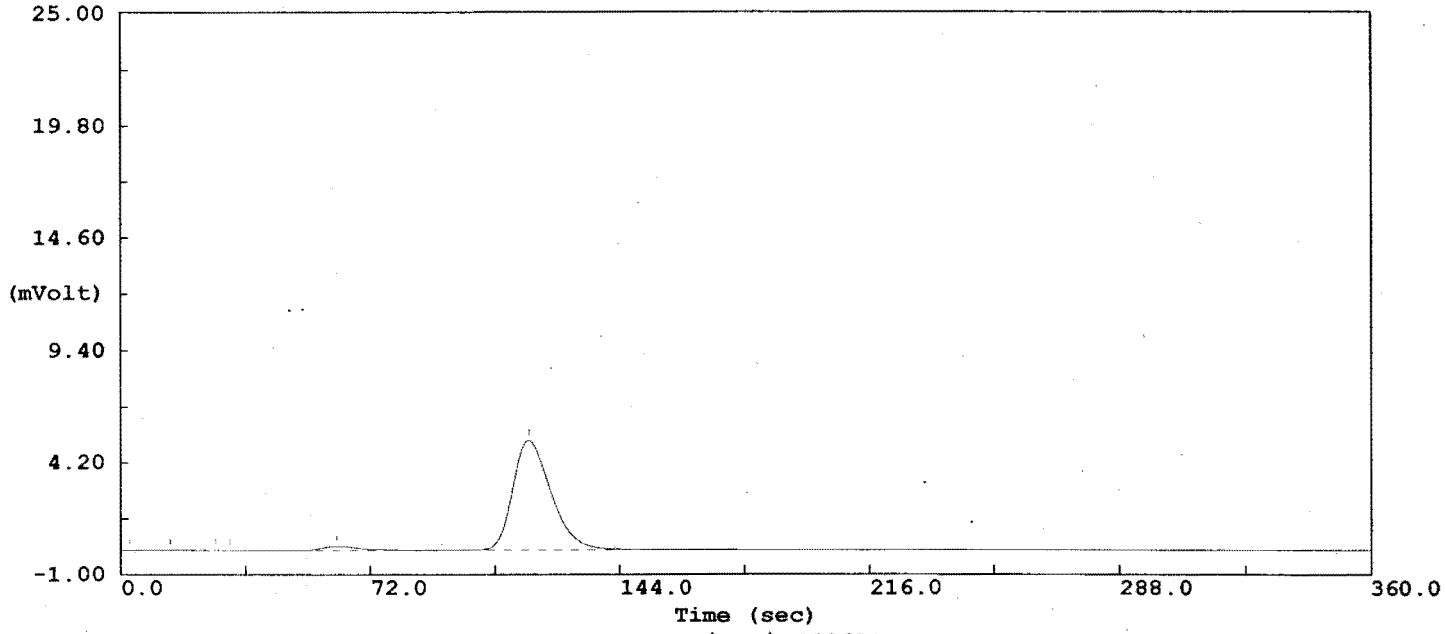
Sample ID	: 600218 (# 30)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.782
Chromatogram	: C:\EAW\N120630.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9720	118	568555	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120631.DAT
Sample name :600218 Analysed :12-06-04 14:56

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 14:56	Printed	: 12/6/2004 15:02

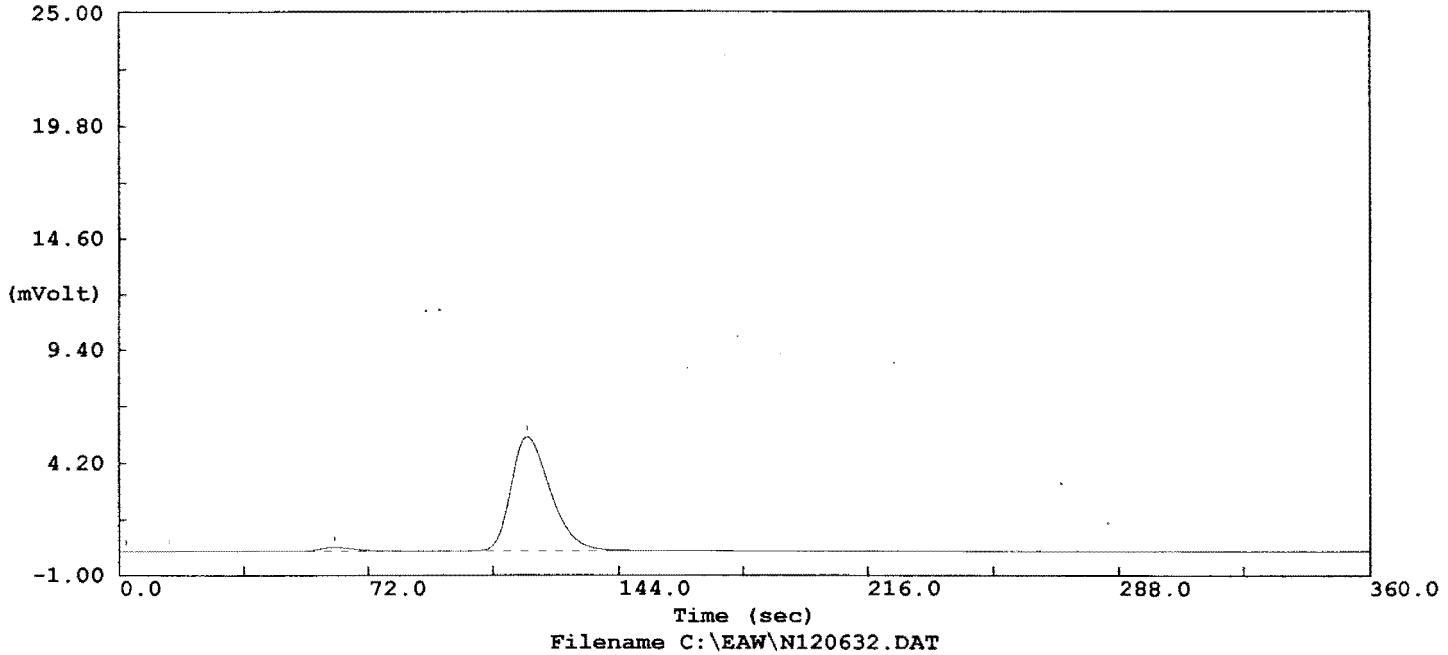
Sample ID	: 600218 (# 31)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.4
Chromatogram	: C:\EAW\N120631.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9213	118	651155	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120632.DAT
Sample name :600218 Analysed :12-06-04 15:02

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:02	Printed	: 12/6/2004 15:08

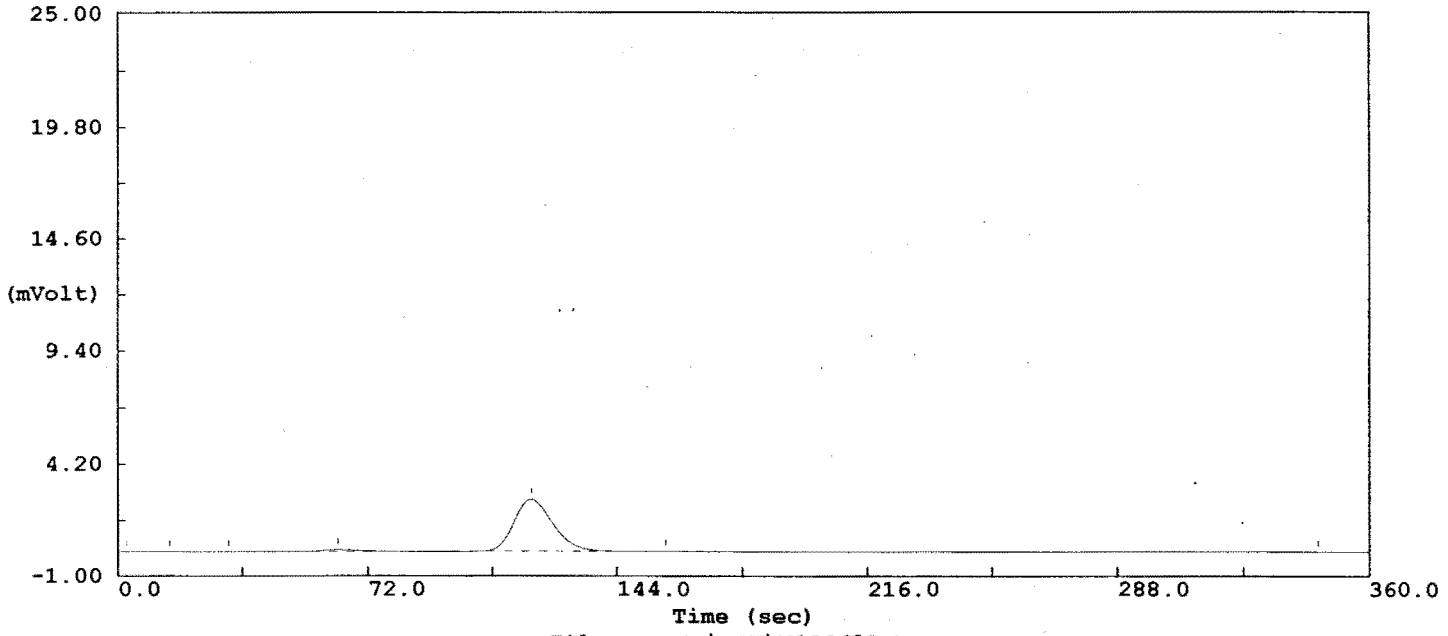
Sample ID	: 600218 (# 32)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.68
Chromatogram	: C:\EAW\N120632.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0336	118	674616	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120633.DAT
Sample name :600219 Analysed :12-06-04 15:08

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:08	Printed	: 12/6/2004 15:14

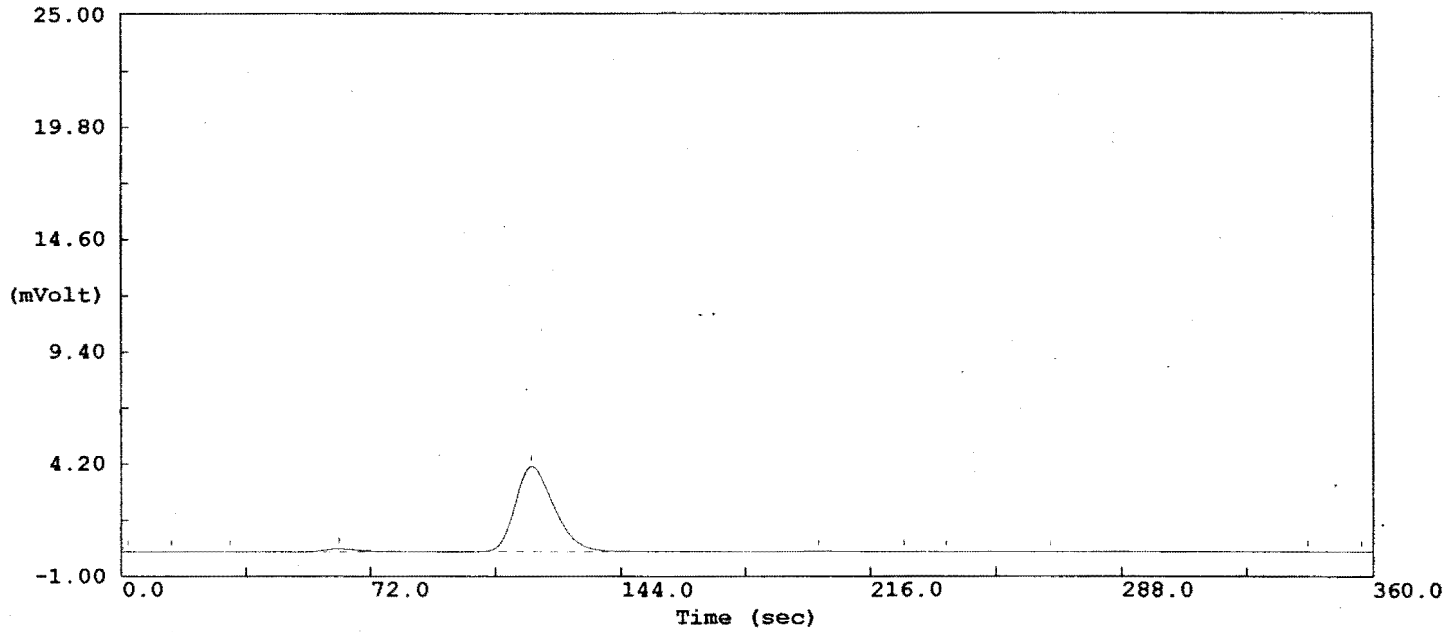
Sample ID	: 600219 (# 33)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.541
Chromatogram	: C:\EAW\N120633.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9020	119	307224	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120634.DAT
Sample name :600219 Analysed :12-06-04 15:14

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:14	Printed	: 12/6/2004 15:20

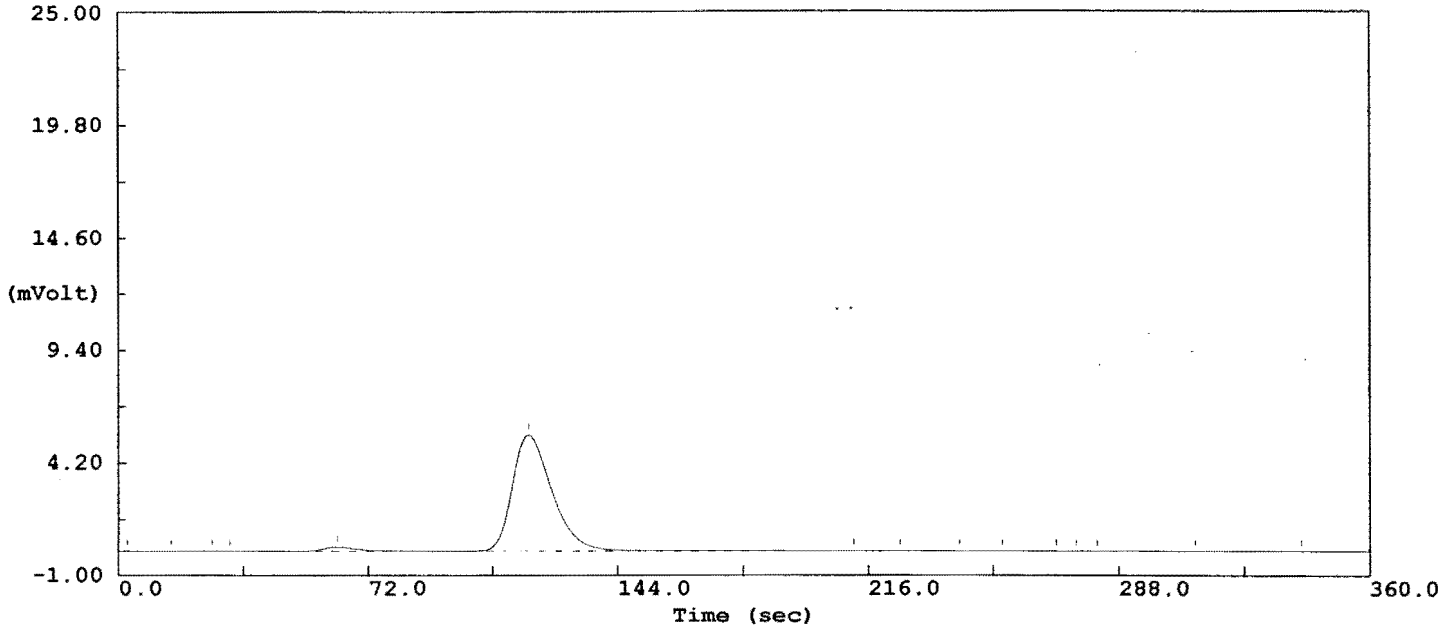
Sample ID	: 600219 (# 34)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.7
Chromatogram	: C:\EAW\N120634.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8602	118	497673	RS	1.000000	
Hydrogen	-5.5555278E-01	201	2671	RS	186.324600	

Eager 200 Strip-Chart



Filename C:\EAW\N120635.DAT
Sample name :600219 Analysed :12-06-04 15:20

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:20	Printed	: 12/6/2004 15:26

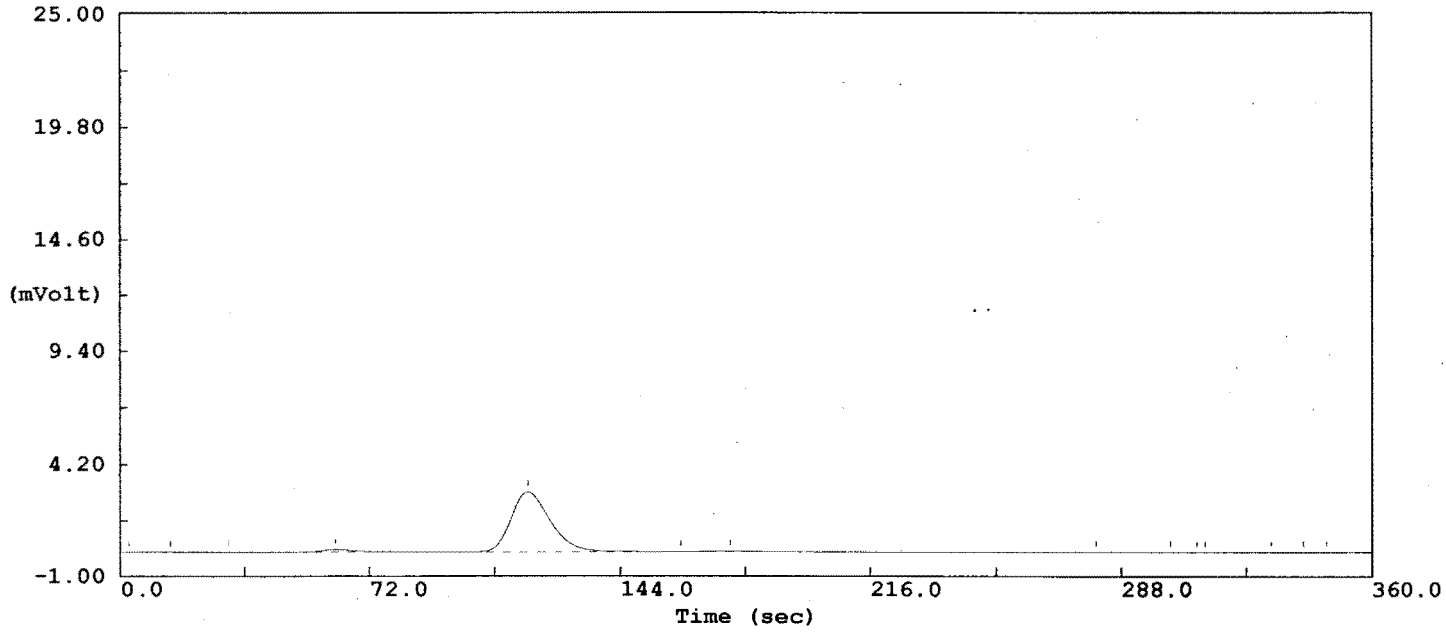
Sample ID	: 600219 (# 35)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 10.685
Chromatogram	: C:\EAW\N120635.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8542	118	686321	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120636.DAT
Sample name :600220 Analysed :12-06-04 15:26

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:26	Printed	: 12/6/2004 15:32

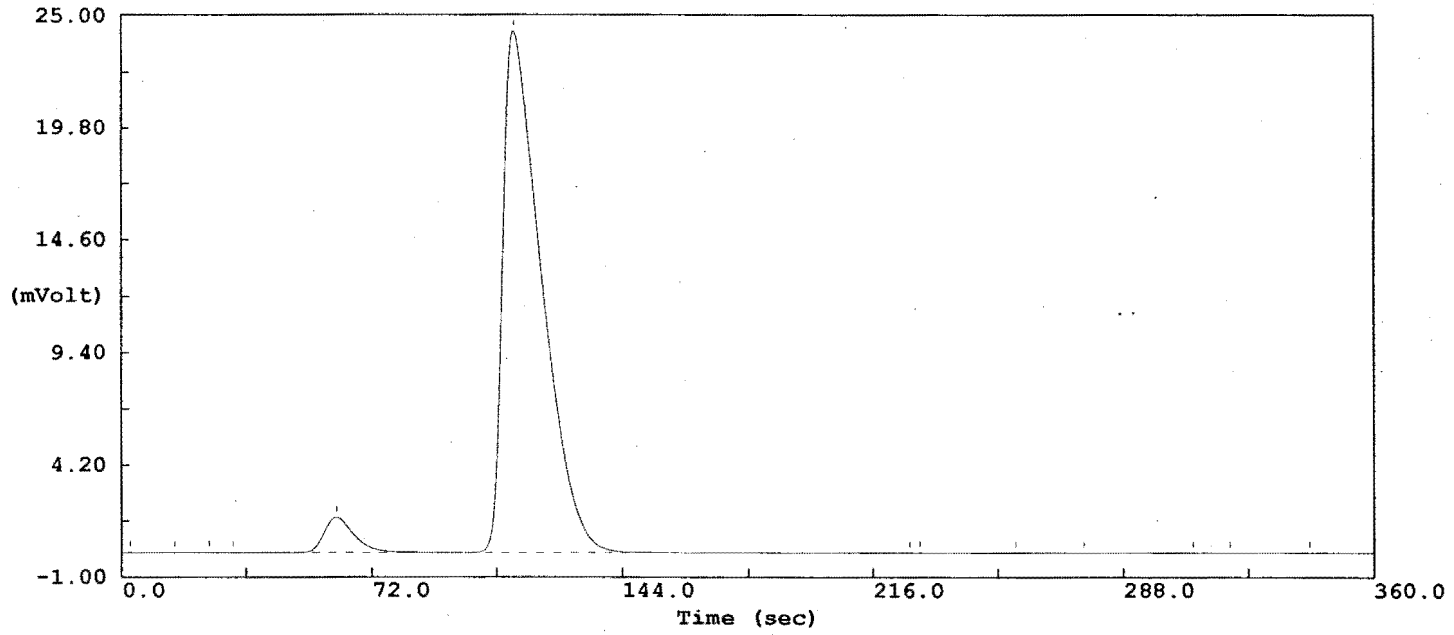
Sample ID	: 600220 (# 36)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.923
Chromatogram	: C:\EAW\N120636.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.5226	118	349978	TL	1.000000	
Hydrogen	-4.5846604E-02	176	3216	CR	108.824000	

Eager 200 Strip-Chart



Filename C:\EAW\N120637.DAT
Sample name :ACETANILIDE Analysed :12-06-04 15:33

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:33	Printed	: 12/6/2004 15:39

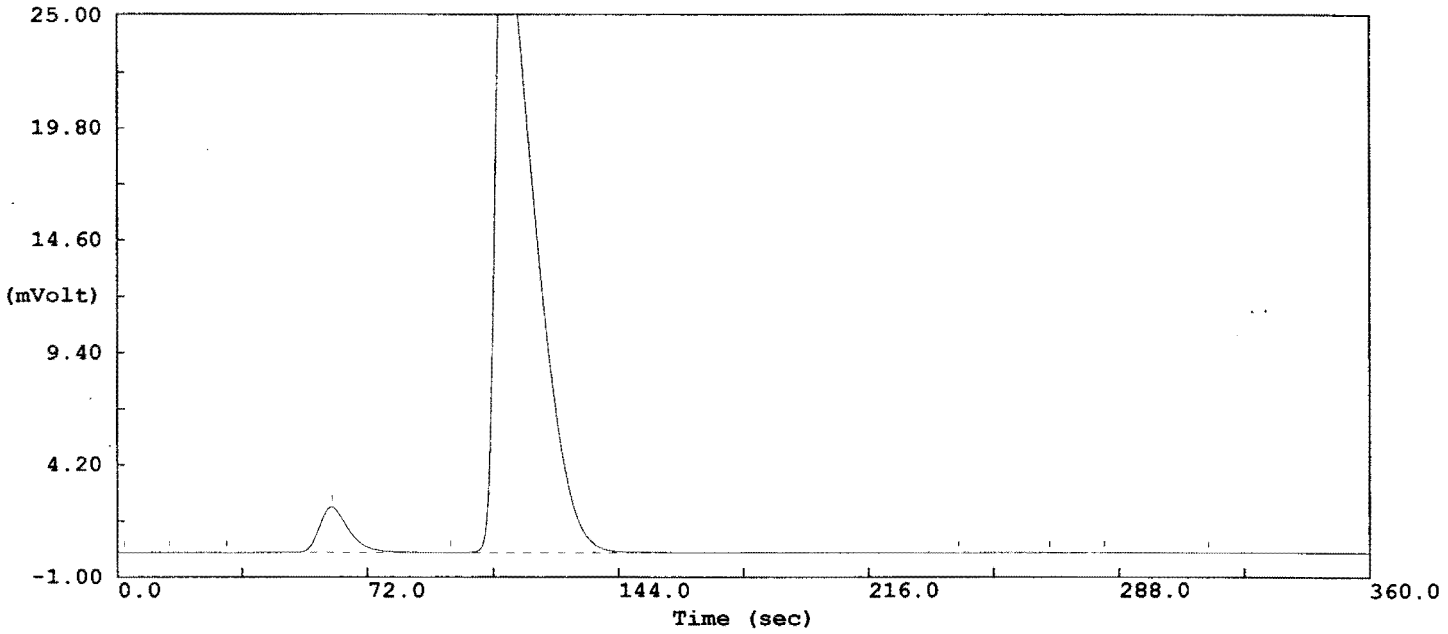
Sample ID	: ACETANILIDE (# 37)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .577
Chromatogram	: C:\EAW\N120637.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	70.1537	113	3048601	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120638.DAT
Sample name :ACETANILIDE Analysed :12-06-04 15:39

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:39	Printed	: 12/6/2004 15:45

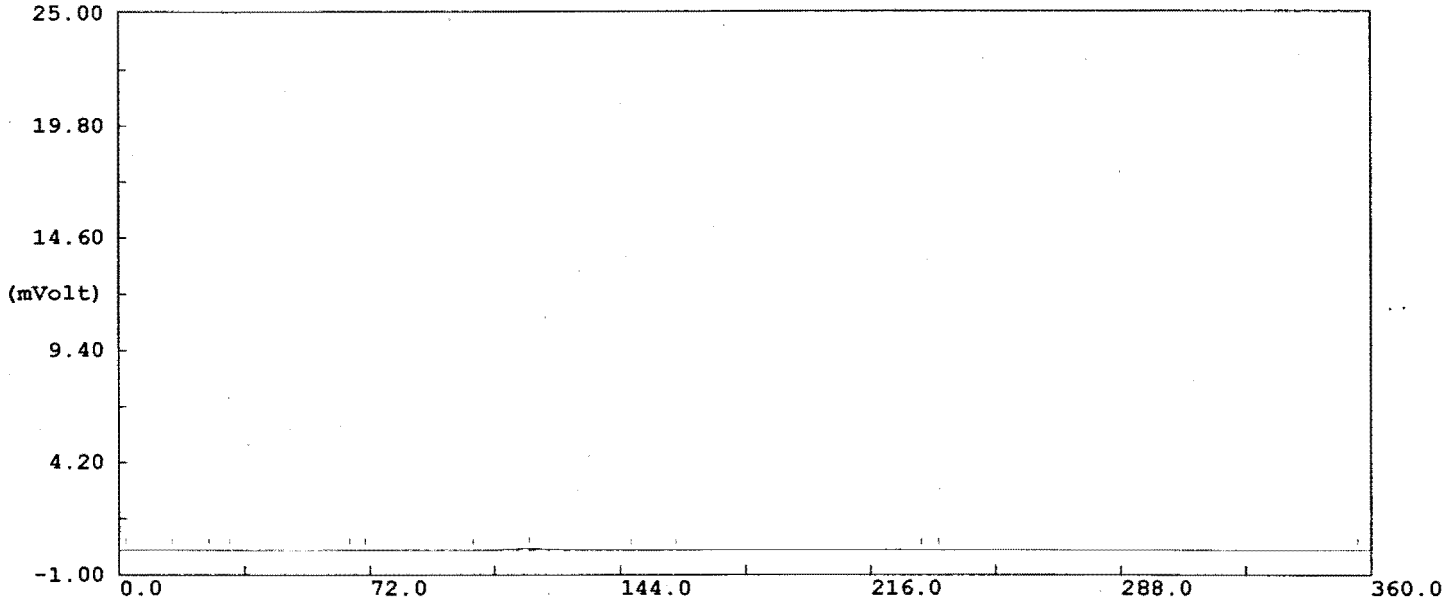
Sample ID	: ACETANILIDE (# 38)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .745
Chromatogram	: C:\EAW\N120638.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	69.5654	112	3903619	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120639.DAT
Sample name :BLANK Analysed :12-06-04 15:45

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:45	Printed	: 12/6/2004 15:51

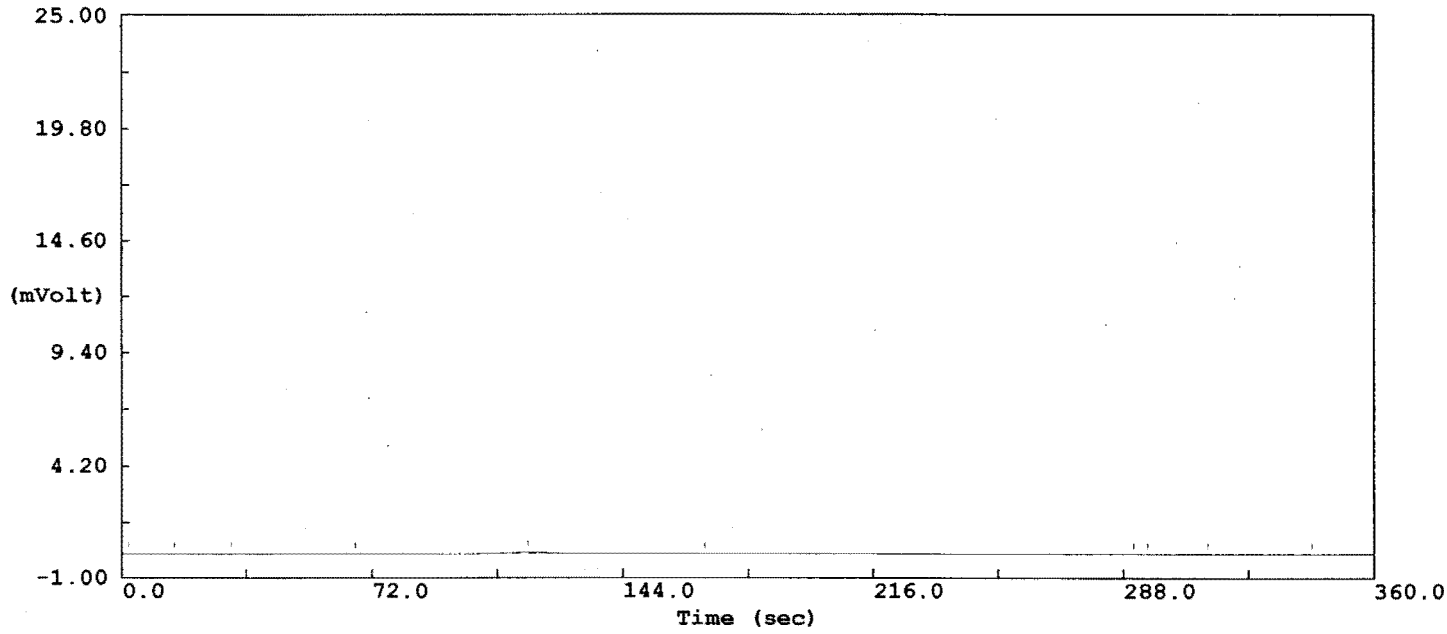
Sample ID	: BLANK (# 39)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120639.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0044	118	8556	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120640.DAT
Sample name :BLANK Analysed :12-06-04 15:51

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:51	Printed	: 12/6/2004 15:57

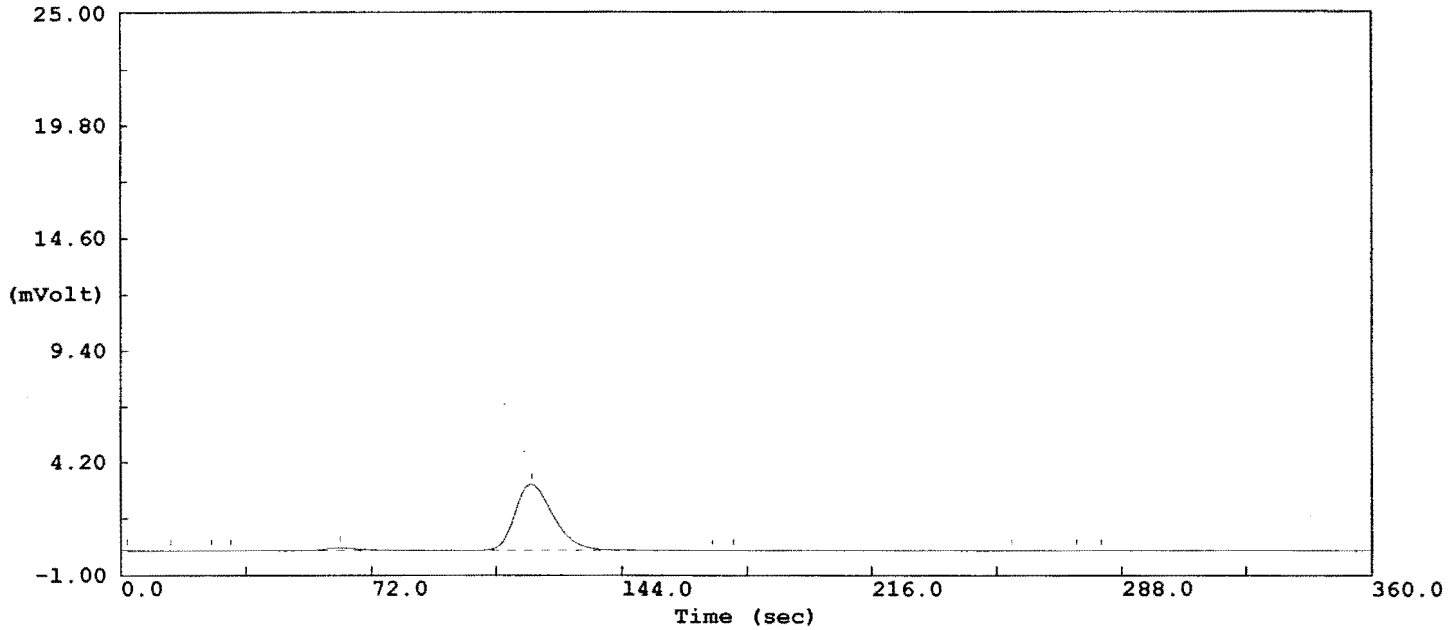
Sample ID	: BLANK (# 40)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120640.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0044	117	8608	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120641.DAT
Sample name :600220 Analysed :12-06-04 15:57

Eager 200 Report

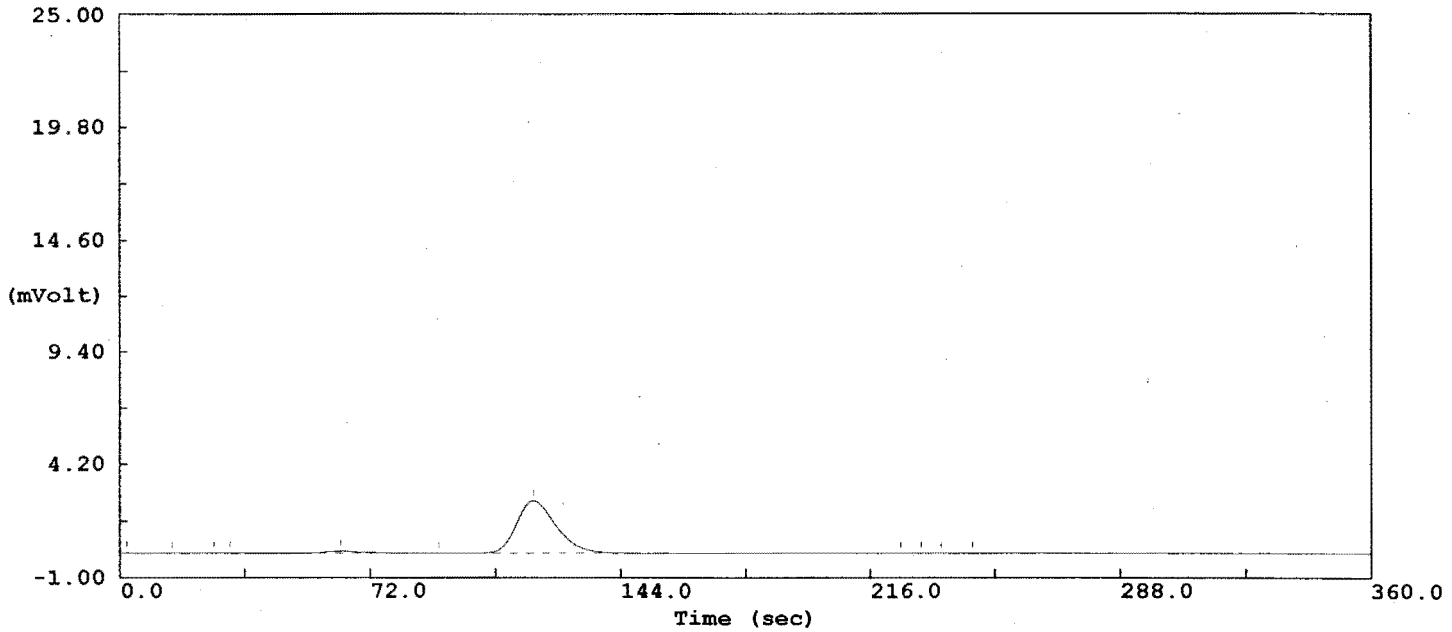
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 15:57	Printed	: 12/6/2004 16:03
Sample ID	: 600220 (# 41)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.854
Chromatogram	: C:\EAW\N120641.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.5759	119	382773	RS	1.000000	
Hydrogen	-2.6221457E+00	176	3	RS	127591.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120642.DAT
Sample name :600220 Analysed :12-06-04 16:03

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 16:03

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 16:09

Sample ID : 600220 (# 42)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120642.DAT

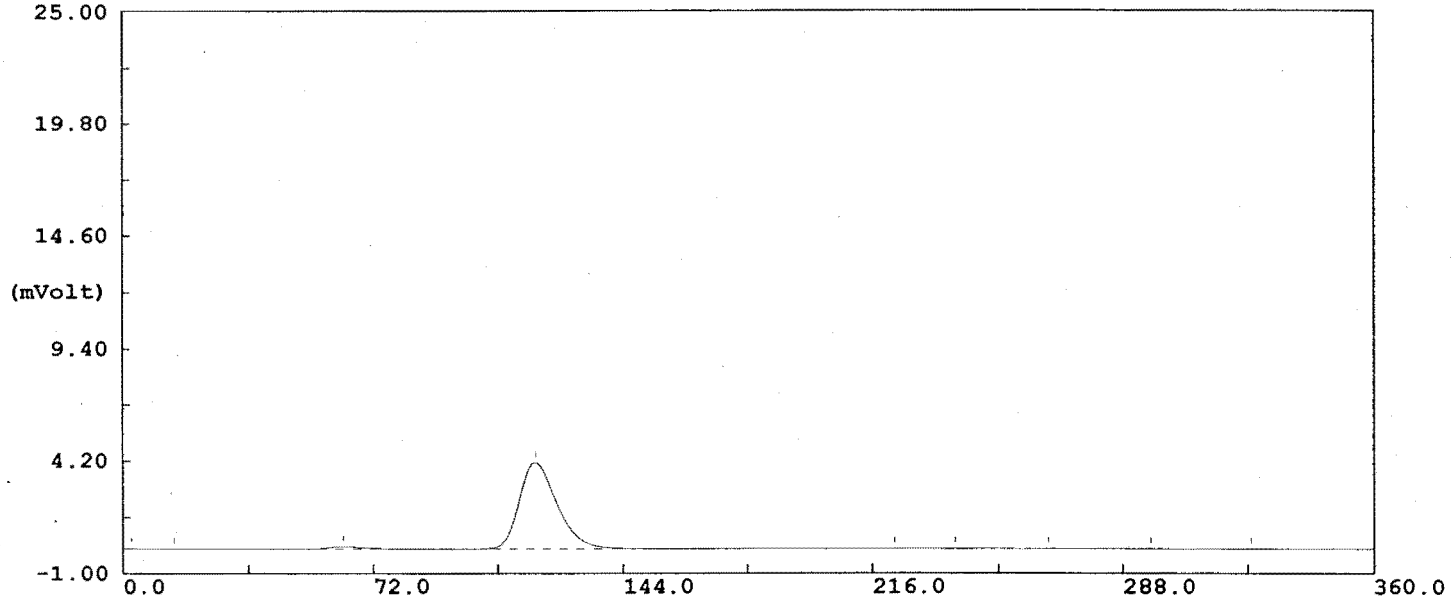
Channel : Channel B
Sample weight : 6.378

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.6647	119	318018	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120643.DAT
Sample name :600221 Analysed :12-06-04 16:09

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:09	Printed	: 12/6/2004 16:15

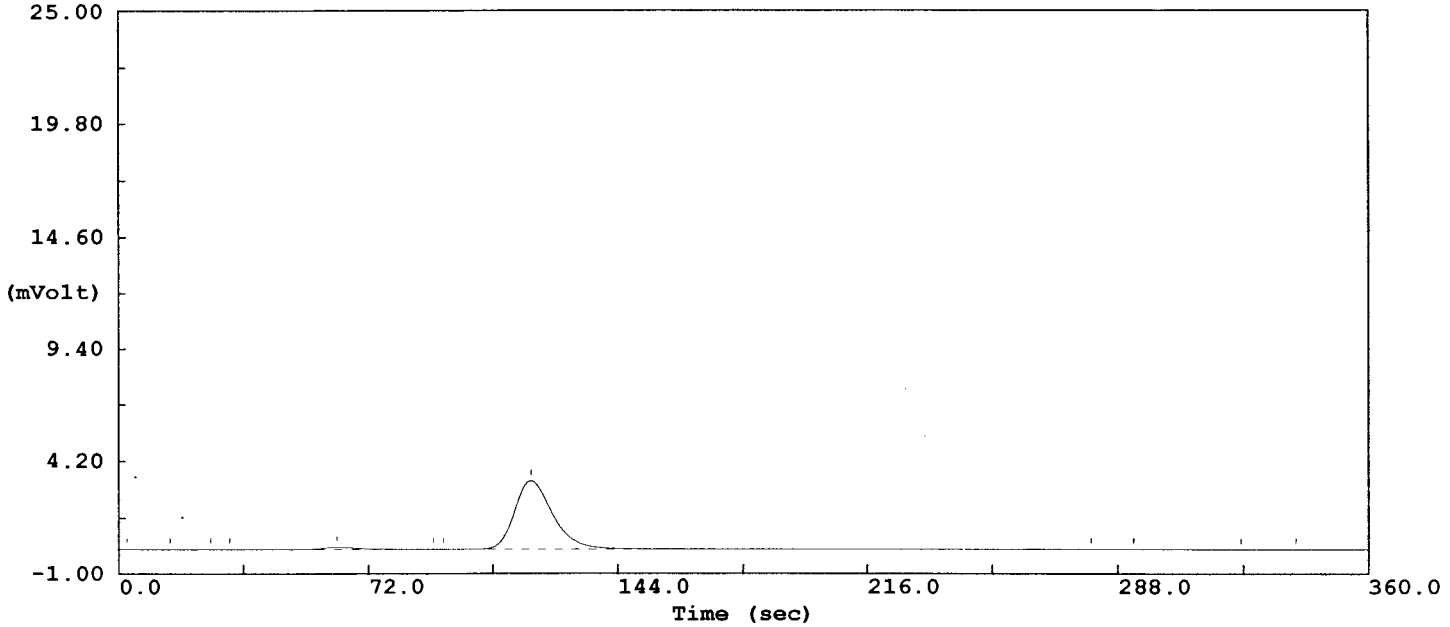
Sample ID	: 600221 (# 43)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.715
Chromatogram	: C:\EAW\N120643.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8796	119	509896	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120644.DAT
Sample name :600221 Analysed :12-06-04 16:15

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1206.MTH
Analysed : 12-06-04 16:15
Printed : 12/6/2004 16:21

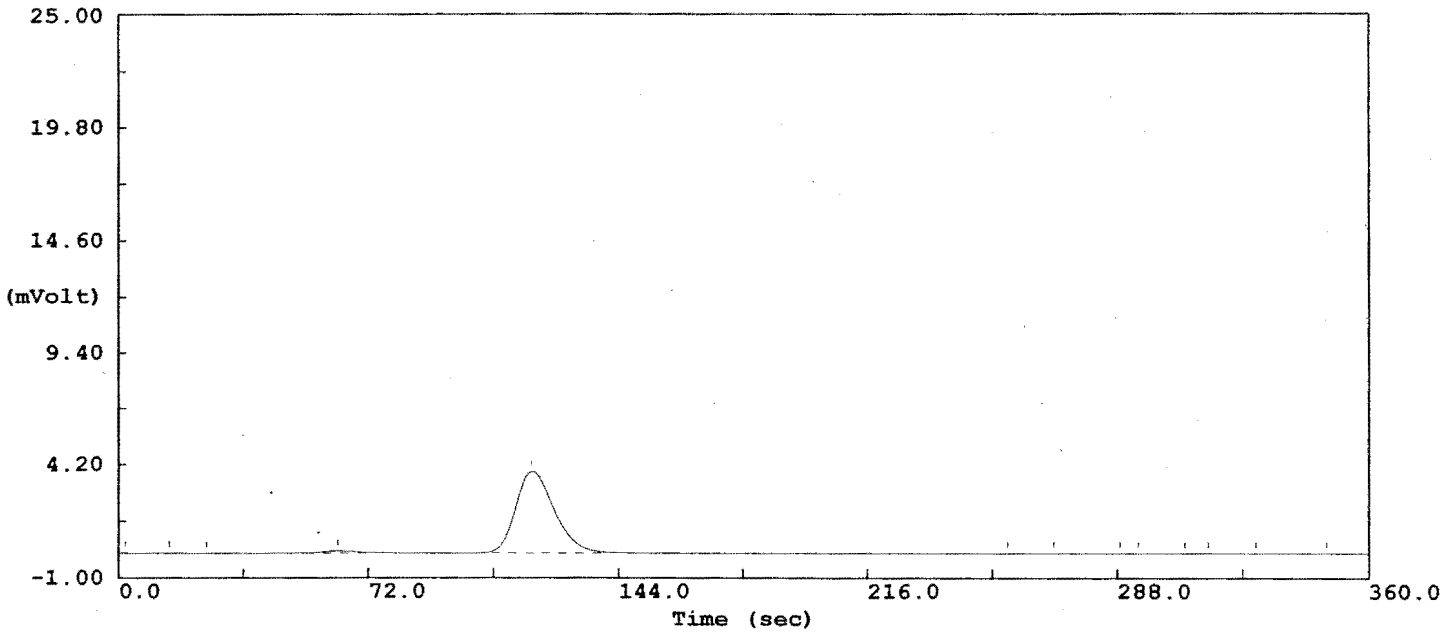
Sample ID : 600221 (# 44)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 7.353
Chromatogram : C:\EAW\N120644.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7262	119	400946	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120645.DAT
Sample name :600221 Analysed :12-06-04 16:21

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:21	Printed	: 12/6/2004 16:27

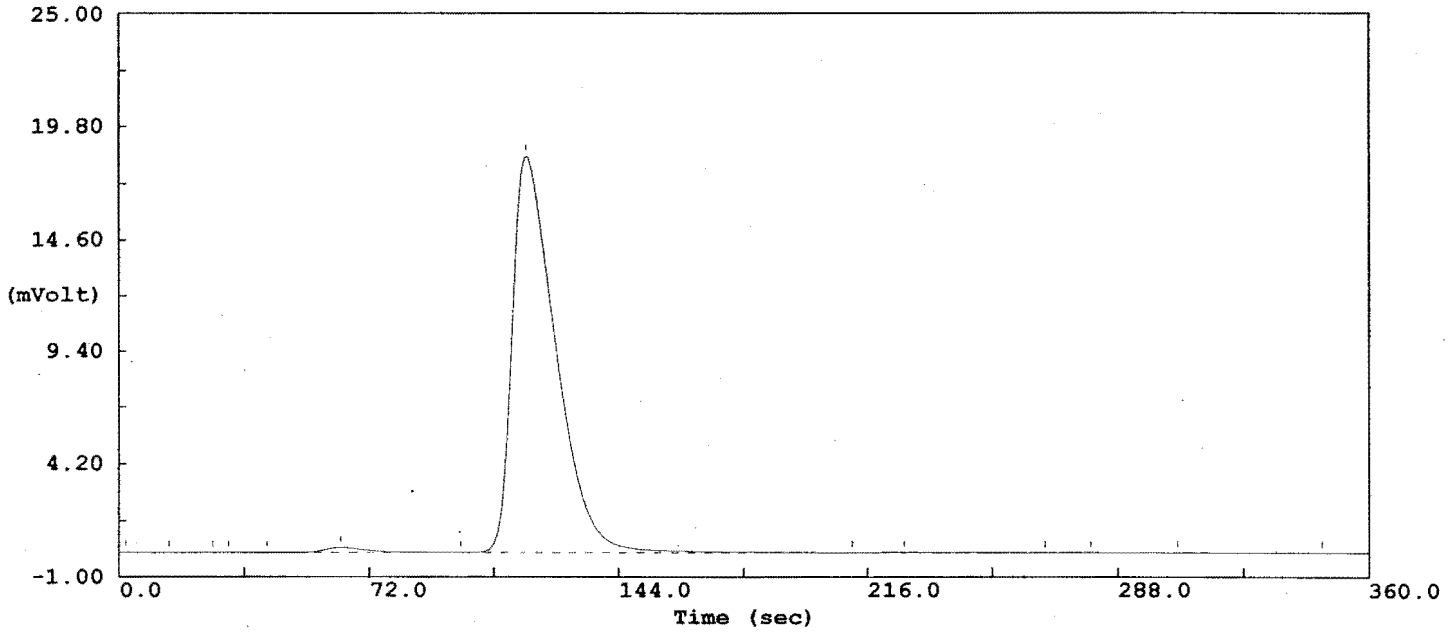
Sample ID	: 600221 (# 45)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.219
Chromatogram	: C:\EAW\N120645.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7800	119	481646	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120646.DAT
Sample name :600221MS Analysed :12-06-04 16:27

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1206.MTH
Analysed : 12-06-04 16:27
Printed : 12/6/2004 16:33

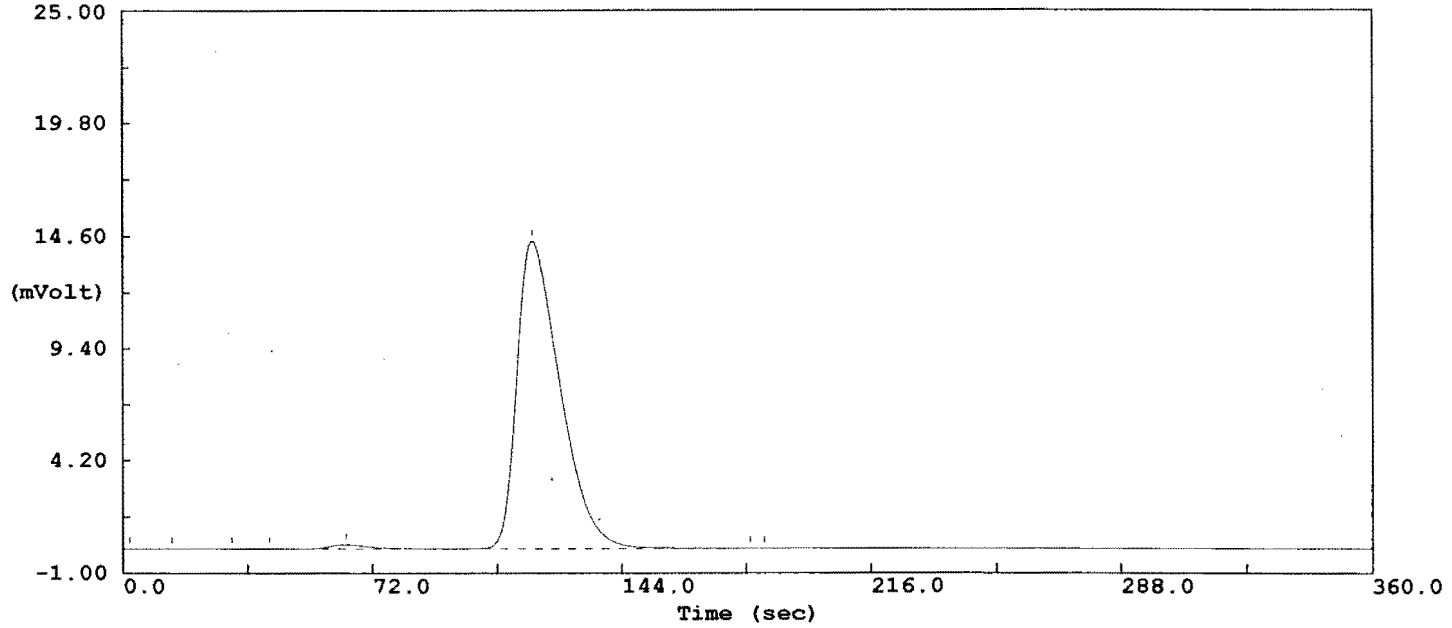
Sample ID : 600221MS (# 46)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 9.89
Chromatogram : C:\EAW\N120646.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.5447	43	2	RS	1320989.000000	
Carbon	3.5472	117	2641978	TL	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120647.DAT
Sample name :600221MS Analysed :12-06-04 16:33

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 16:33
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 16:39

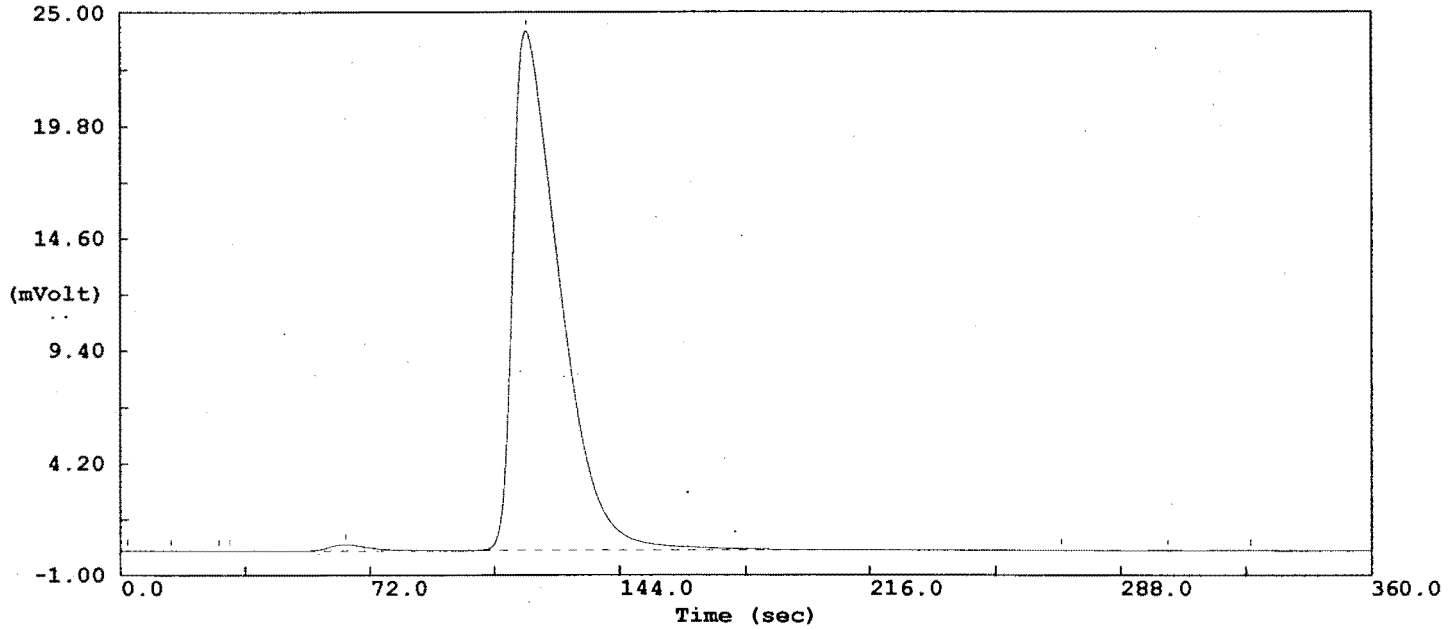
Sample ID : 600221MS (# 47)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120647.DAT
Channel : Channel B
Sample weight : 8.05

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.6694	42	3	RS	682356.700000	
Carbon	3.3772	118	2047070	TL	1.000000	
Hydrogen	-2.8611078E+00	185	29	CR	70588.620000	

Eager 200 Strip-Chart



Filename C:\EAW\N120648.DAT
Sample name :600221MS Analysed :12-06-04 16:39

Eager 200 Report

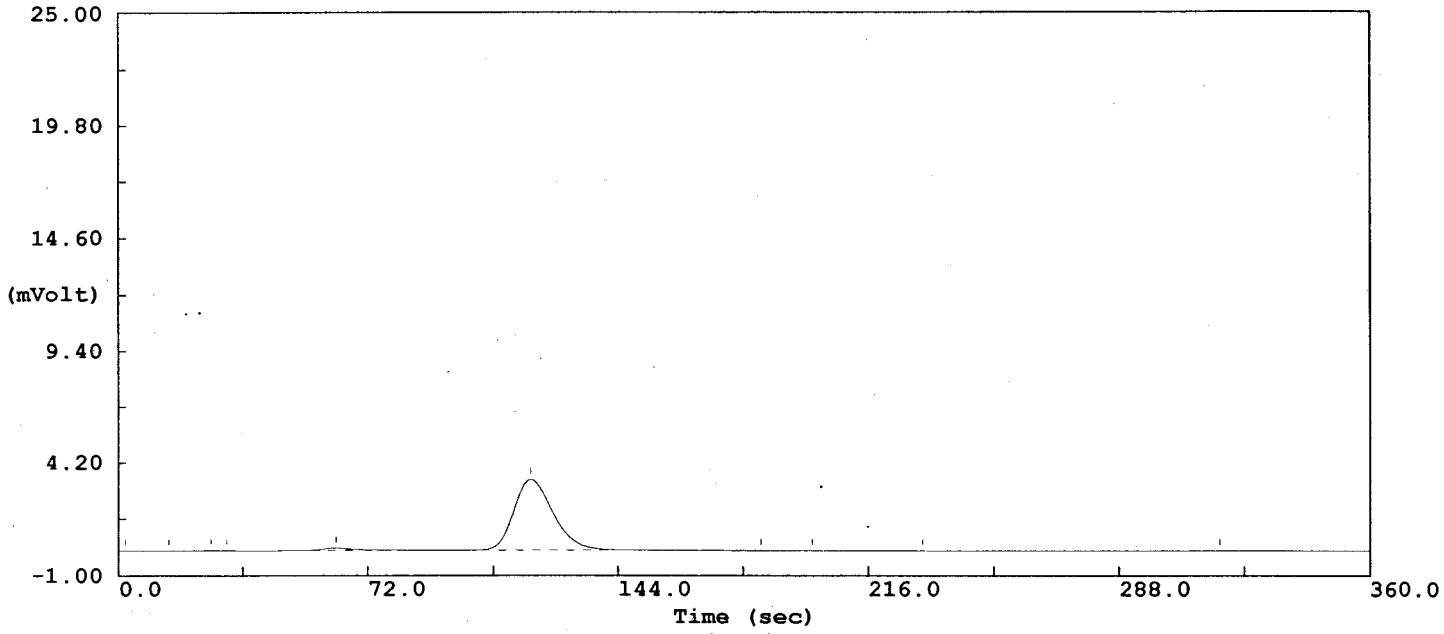
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:39	Printed	: 12/6/2004 16:46
Sample ID	: 600221MS (# 48)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.149
Chromatogram	: C:\EAW\N120648.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	6.0535	117	3715514	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120649.DAT
Sample name :600221DP Analysed :12-06-04 16:46

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 16:46
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 16:52

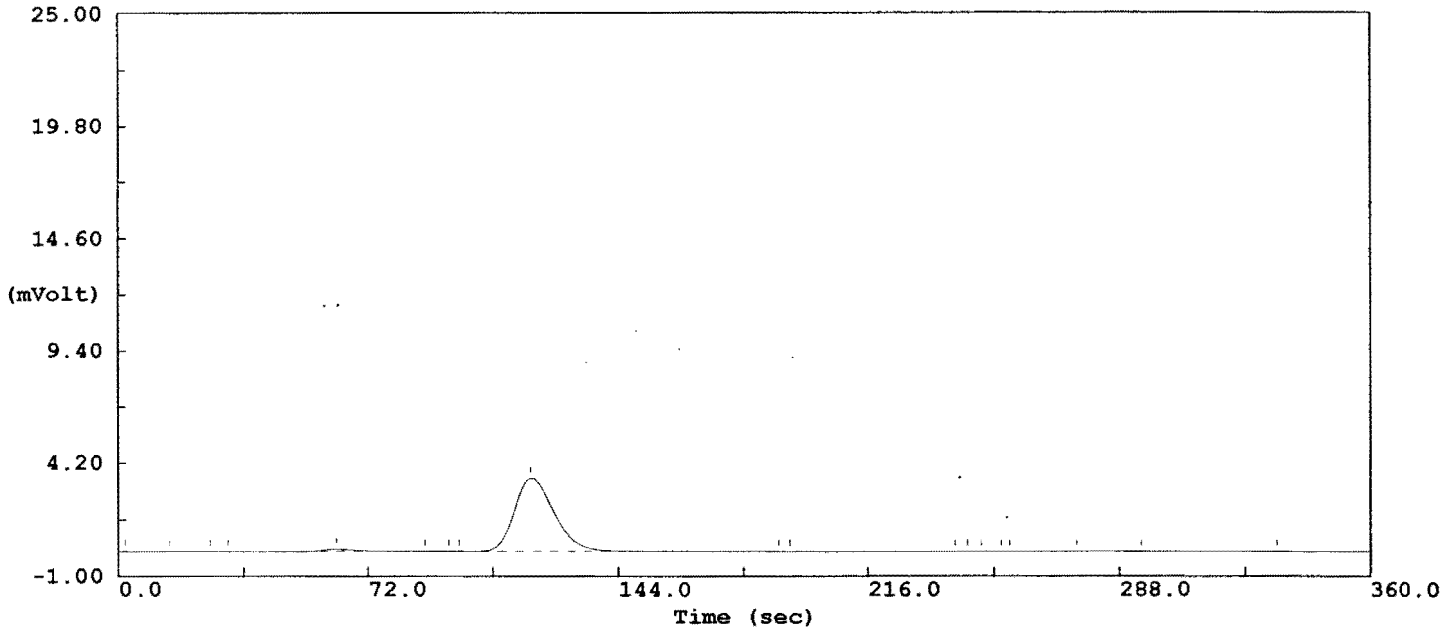
Sample ID : 600221DP (# 49)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120649.DAT
Channel : Channel B
Sample weight : 9.34

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.5980	119	419426	TL	1.000000	
Hydrogen	-2.4819043E+00	185	8	CR	52428.250000	

Eager 200 Strip-Chart



Filename C:\EAW\N120650.DAT
Sample name :600221DP Analysed :12-06-04 16:52

Eager 200 Report

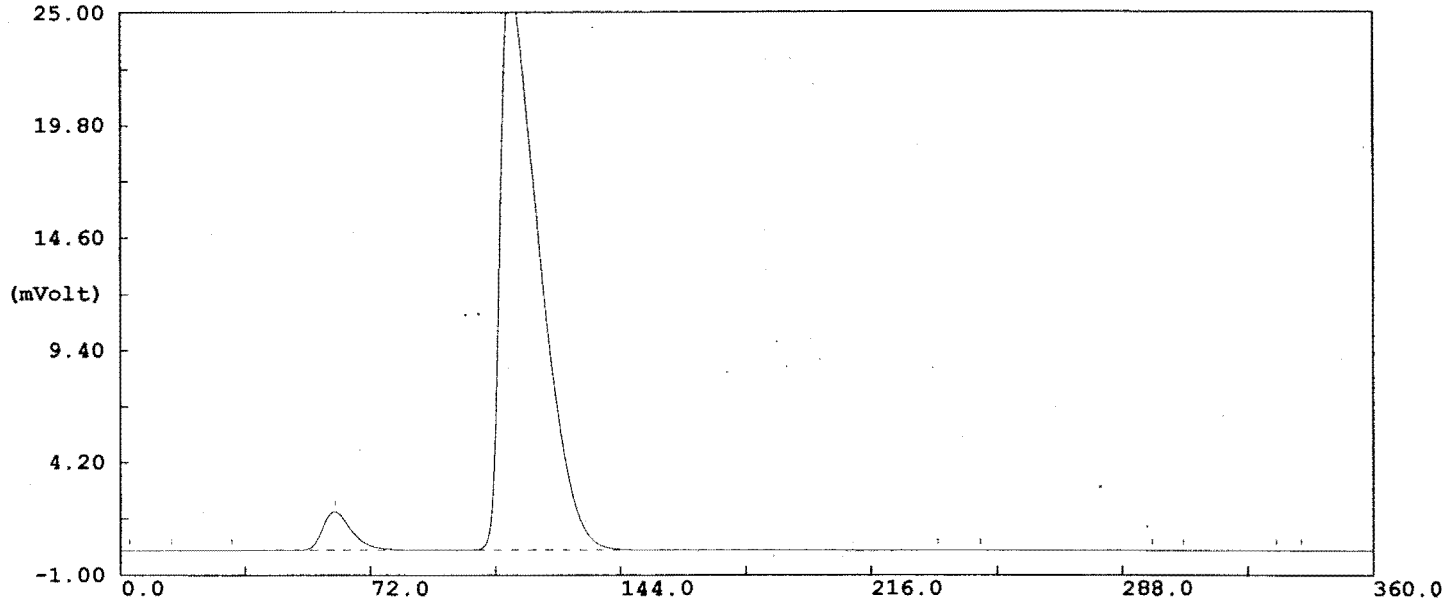
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:52	Printed	: 12/6/2004 16:58
Sample ID	: 600221DP (# 50)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 8.637
Chromatogram	: C:\EAW\N120650.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.6594	119	427717	FU	1.000000	
Hydrogen	-2.6863818E+00	190	5	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120651.DAT
Sample name :ACETANILIDE Analysed :12-06-04 16:58

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 16:58	Printed	: 12/6/2004 17:04

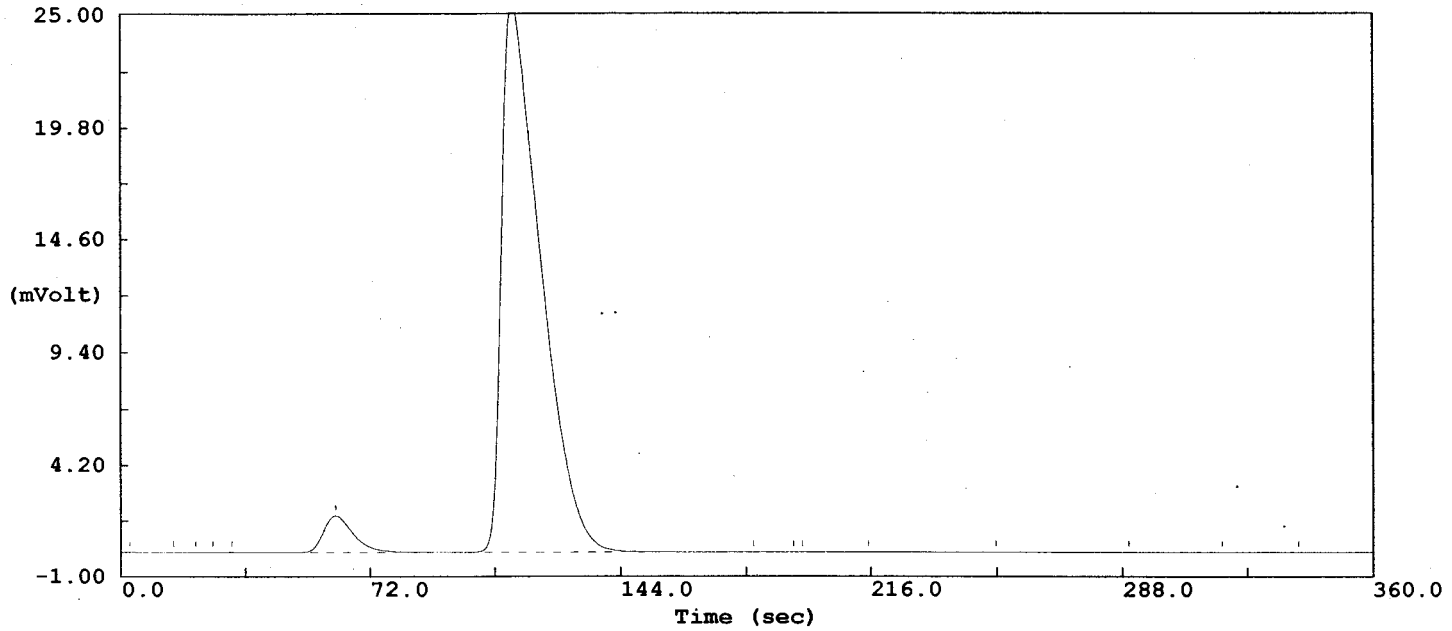
Sample ID	: ACETANILIDE (# 51)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .63
Chromatogram	: C:\EAW\N120651.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	70.0988	113	3326147	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120652.DAT
Sample name :ACETANILIDE Analysed :12-06-04 17:04

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:04	Printed	: 12/6/2004 17:10

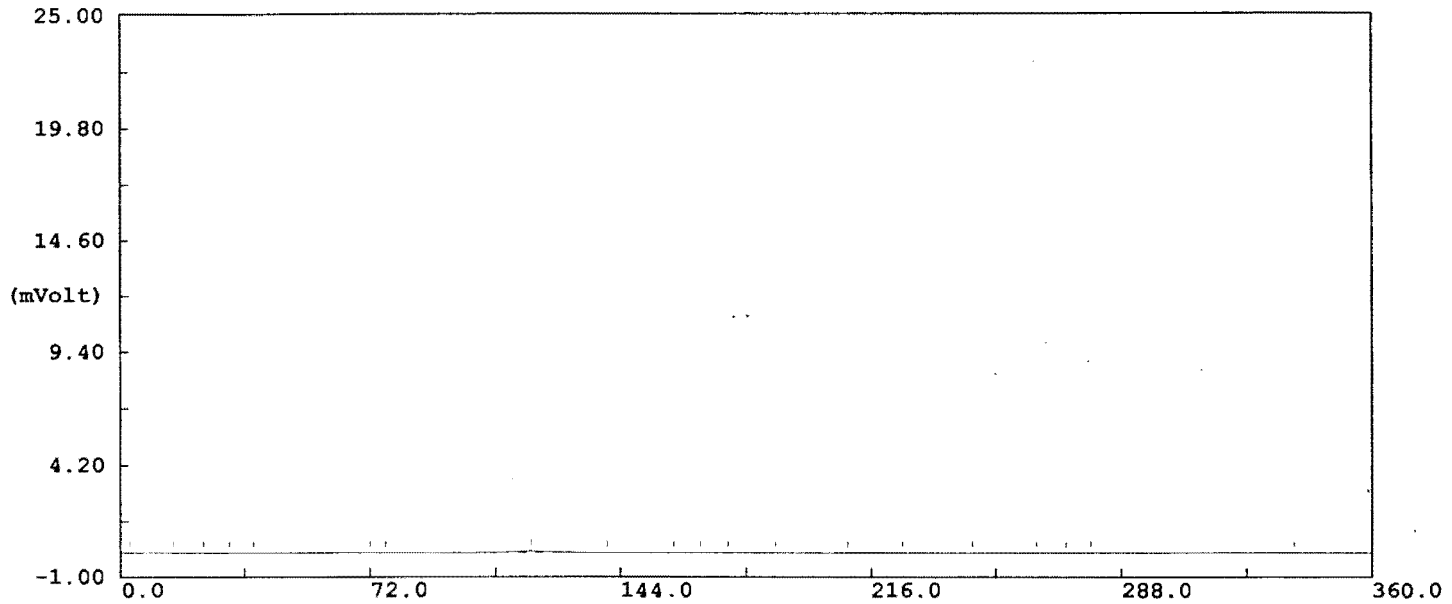
Sample ID	: ACETANILIDE (# 52)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .614
Chromatogram	: C:\EAW\N120652.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	69.8300	113	3229205	RS	1.000000	
Hydrogen	-3.7834972E+01	182	1	RS	3229205.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120653.DAT
Sample name :BLANK Analysed :12-06-04 17:10

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:10	Printed	: 12/6/2004 17:16

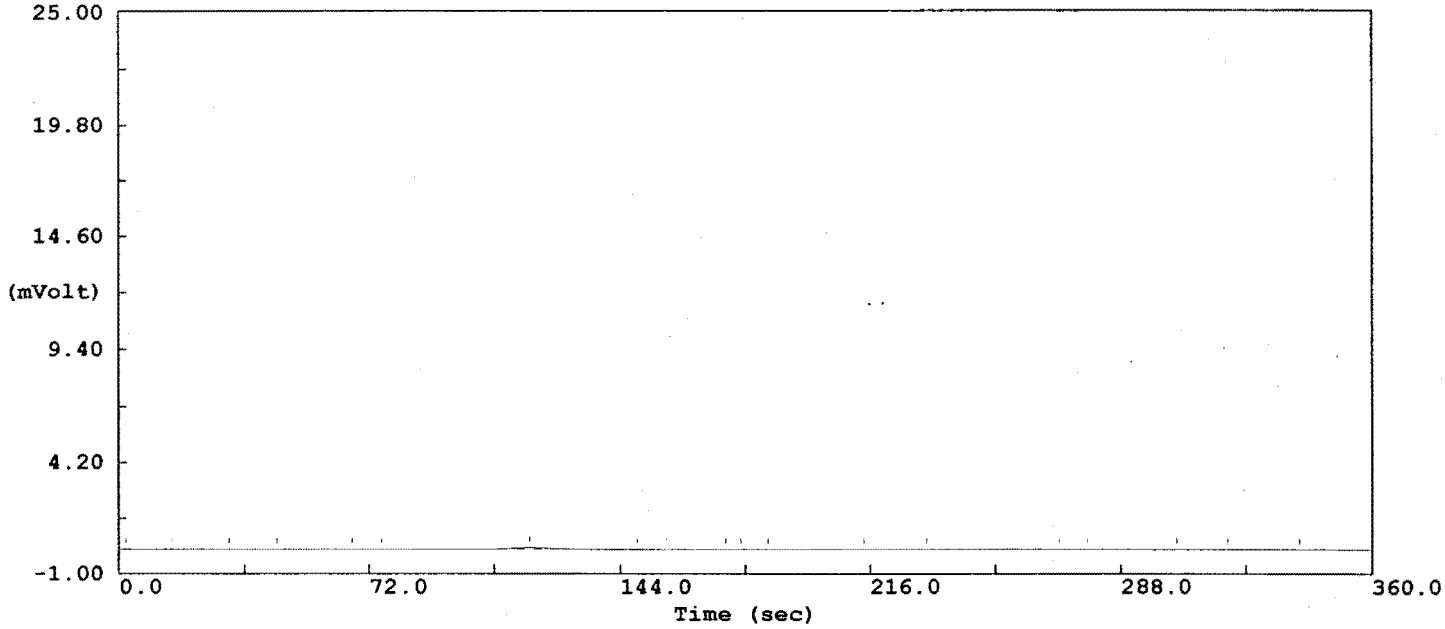
Sample ID	: BLANK (# 53)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120653.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0043	118	8380	TL	1.000000	
Hydrogen	-7.7435583E-01	189	1	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120654.DAT
Sample name :BLANK Analysed :12-06-04 17:16

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST Company Name : SEVERN TRENT LAB
Method Name : IN847 Method File : N-C1206.MTH
Analysed : 12-06-04 17:16 Printed : 12/6/2004 17:22

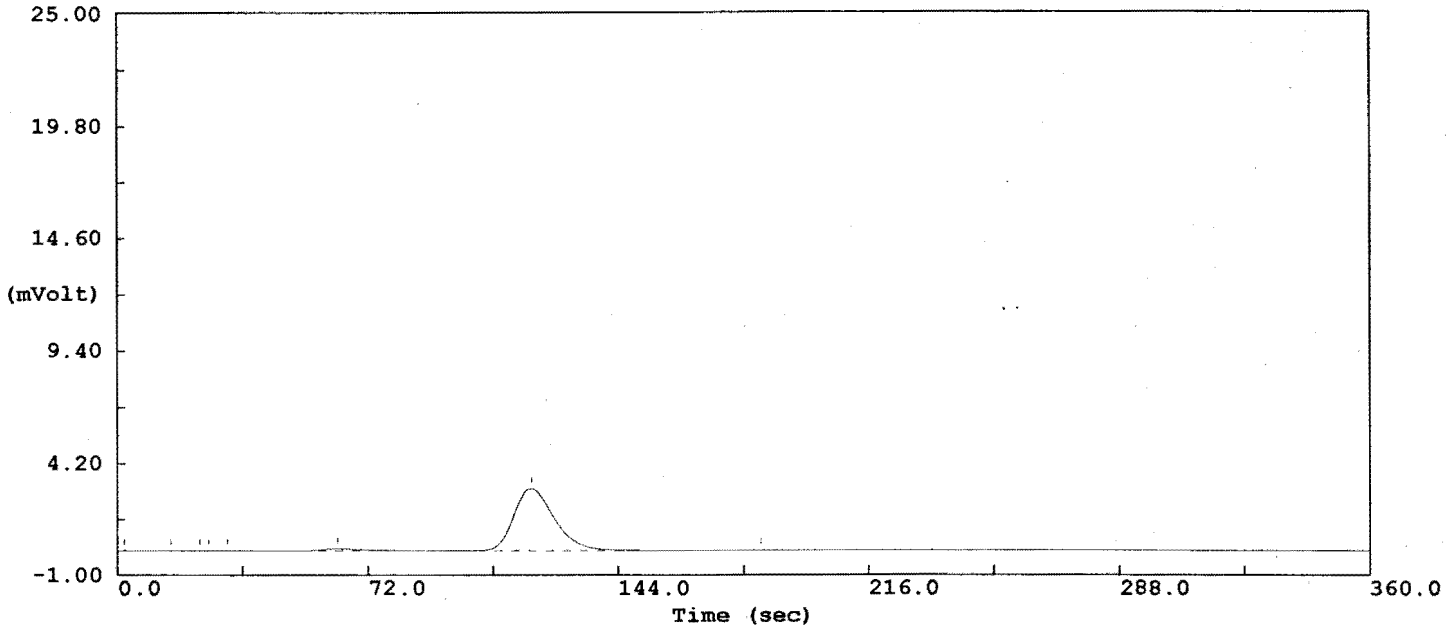
Sample ID : BLANK (# 54) Channel : Channel B
Analysis Type : UnkNown (Area) Sample weight : 30
Chromatogram : C:\EAW\N120654.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.1795	45	1	RS	.000000	
Carbon	0.0044	118	8513	RS	1.000000	
Hydrogen	-7.7400088E-01	187	3	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120655.DAT
Sample name :600221DP Analysed :12-06-04 17:22

Eager 200 Report

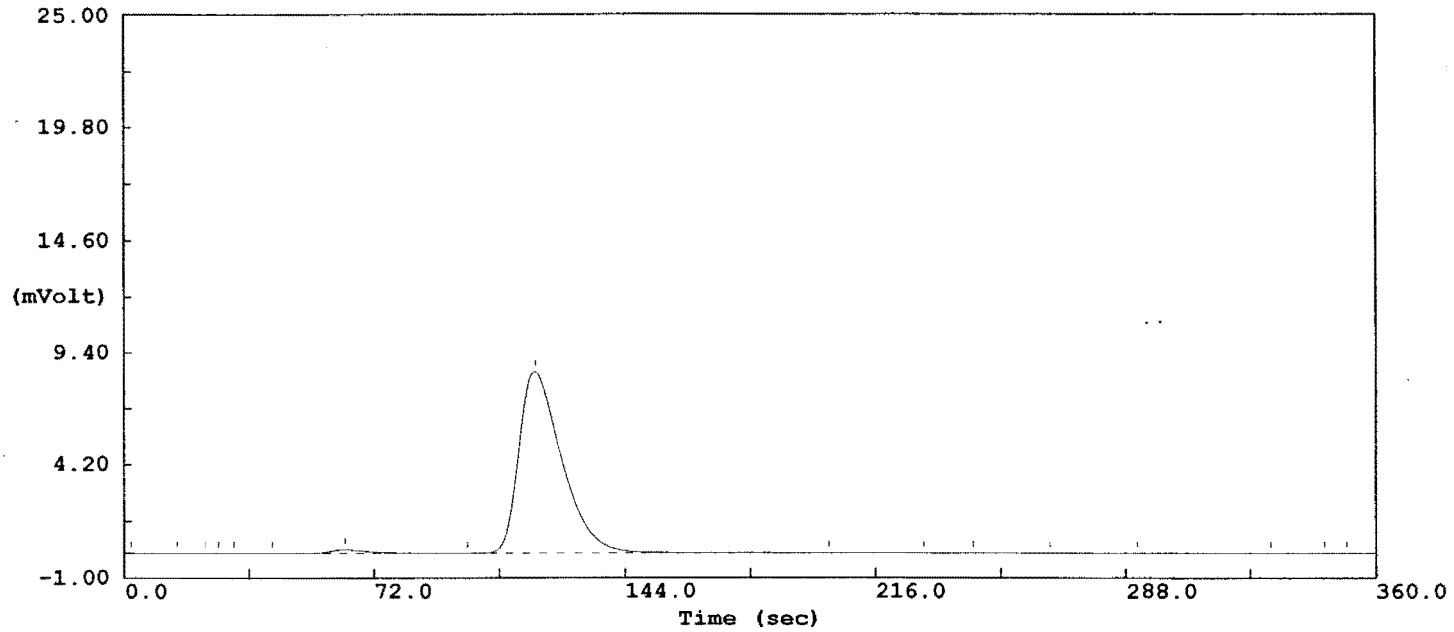
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:22	Printed	: 12/6/2004 17:28
Sample ID	: 600221DP (# 55)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.753
Chromatogram	: C:\EAW\N120655.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.6550	119	381233	RS	1.000000	
Hydrogen	-2.6928327E+00	185	333	RS	1146.565000	

Eager 200 Strip-Chart



Filename C:\EAW\N120656.DAT
Sample name :600222 Analysed :12-06-04 17:28

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 17:28

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 17:34

Sample ID : 600222 (# 56)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120656.DAT

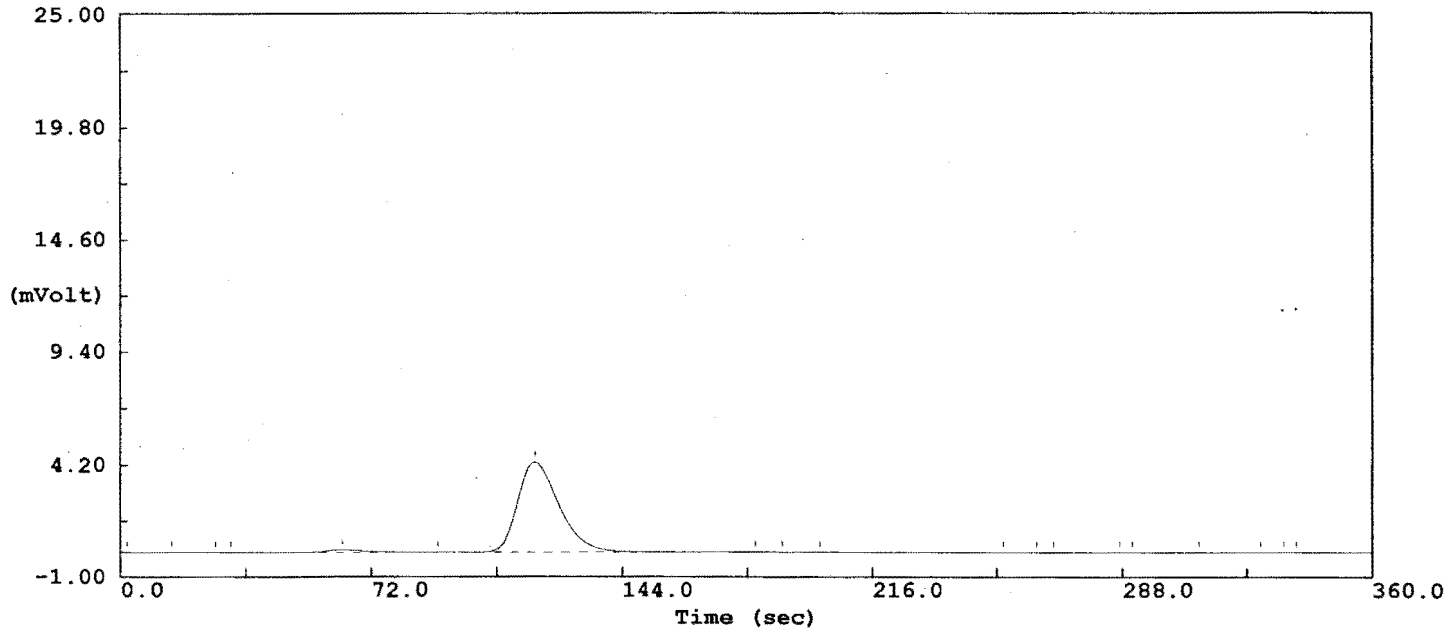
Channel : Channel B
Sample weight : 10.105

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.5337	43	6	RS	.000000	
Carbon	1.5372	119	1169022	TL	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120657.DAT
Sample name :600222 Analysed :12-06-04 17:34

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 17:34

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 17:40

Sample ID : 600222 (# 57)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120657.DAT

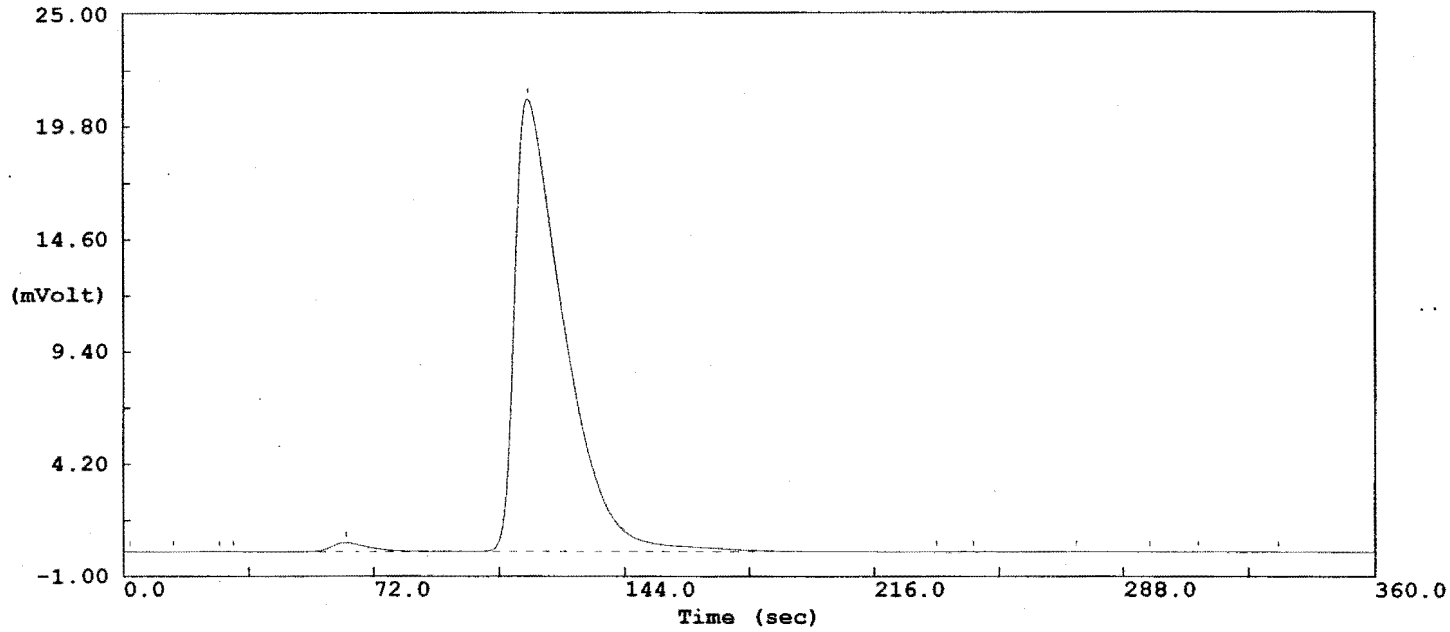
Channel : Channel B
Sample weight : 8.006

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9402	119	565770	RS	1.000000	
Hydrogen	-2.8848121E+00	182	20	RS	28288.500000	

Eager 200 Strip-Chart



Filename C:\EAW\N120658.DAT
Sample name :600222 Analysed :12-06-04 17:40

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:40	Printed	: 12/6/2004 17:46

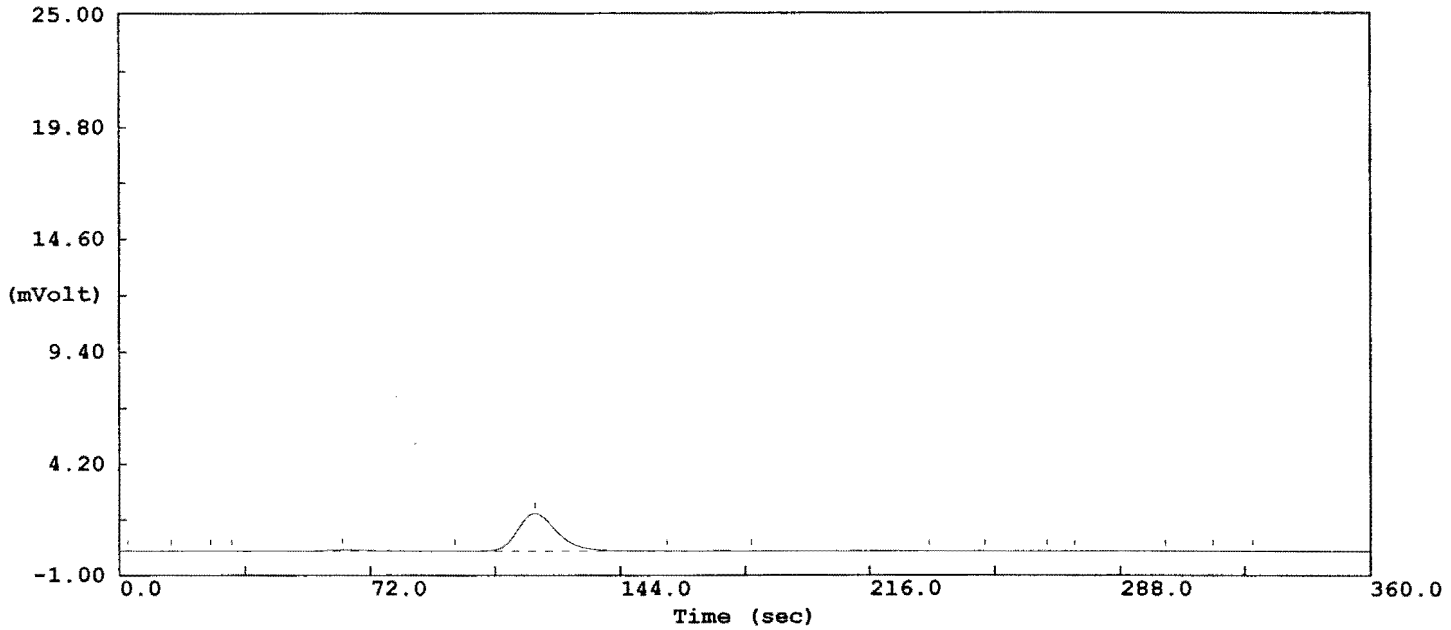
Sample ID	: 600222 (# 58)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.141
Chromatogram	: C:\EAW\N120658.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	4.9913	117	3436428	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120659.DAT
Sample name :600223 Analysed :12-06-04 17:46

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 17:46	Printed	: 12/6/2004 17:53

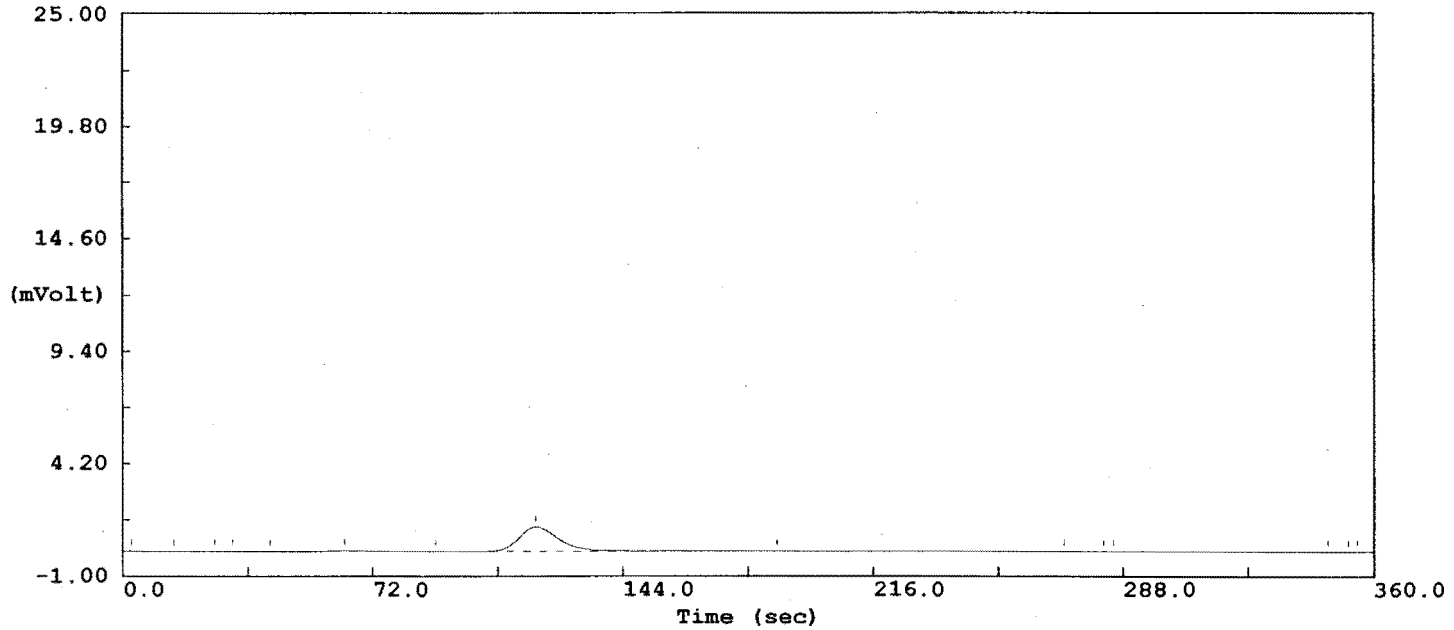
Sample ID	: 600223 (# 59)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.1
Chromatogram	: C:\EAW\N120659.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3351	120	228333	TL	1.000000	
Hydrogen	-2.5520413E+00	182	2	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120660.DAT
Sample name :600223 Analysed :12-06-04 17:53

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 17:53
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 17:59

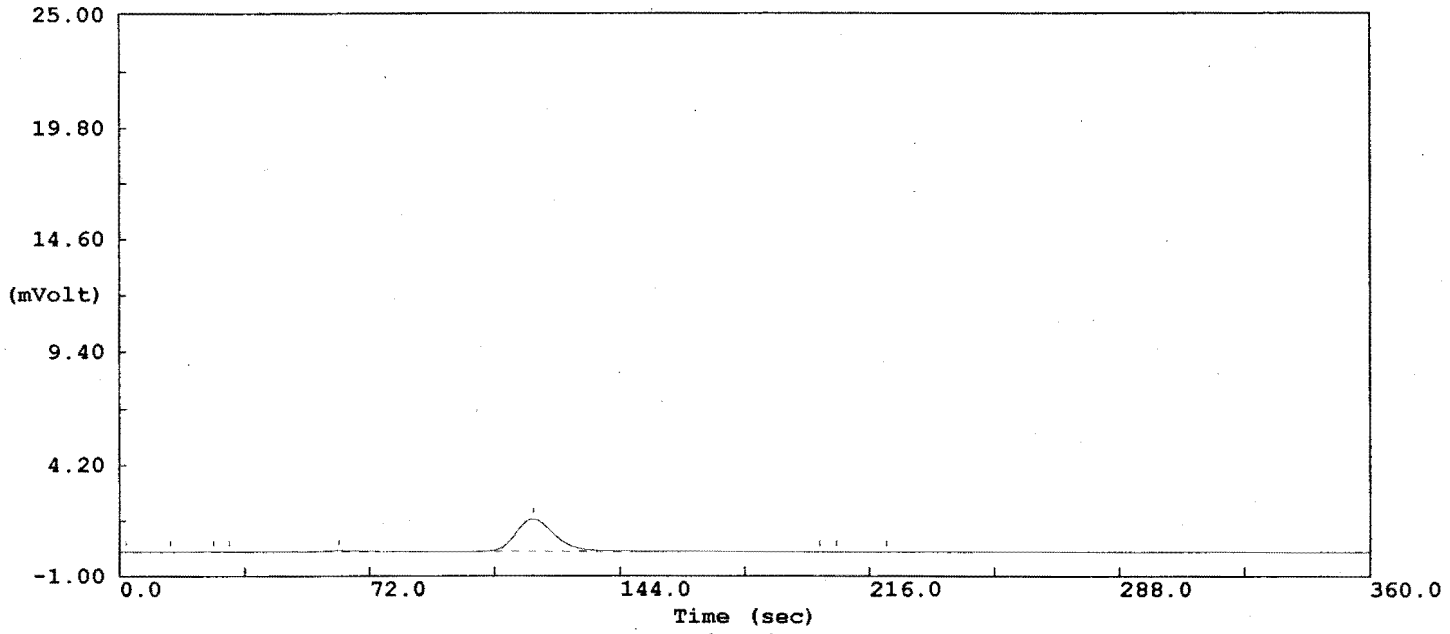
Sample ID : 600223 (# 60)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120660.DAT
Channel : Channel B
Sample weight : 5.157

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	1.0447	43	2	RS	.000000	
Carbon	0.3719	119	143119	RS	1.000000	
Hydrogen	-4.4998698E+00	188	5	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120661.DAT
Sample name :600223 Analysed :12-06-04 17:59

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 17:59
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 18:05

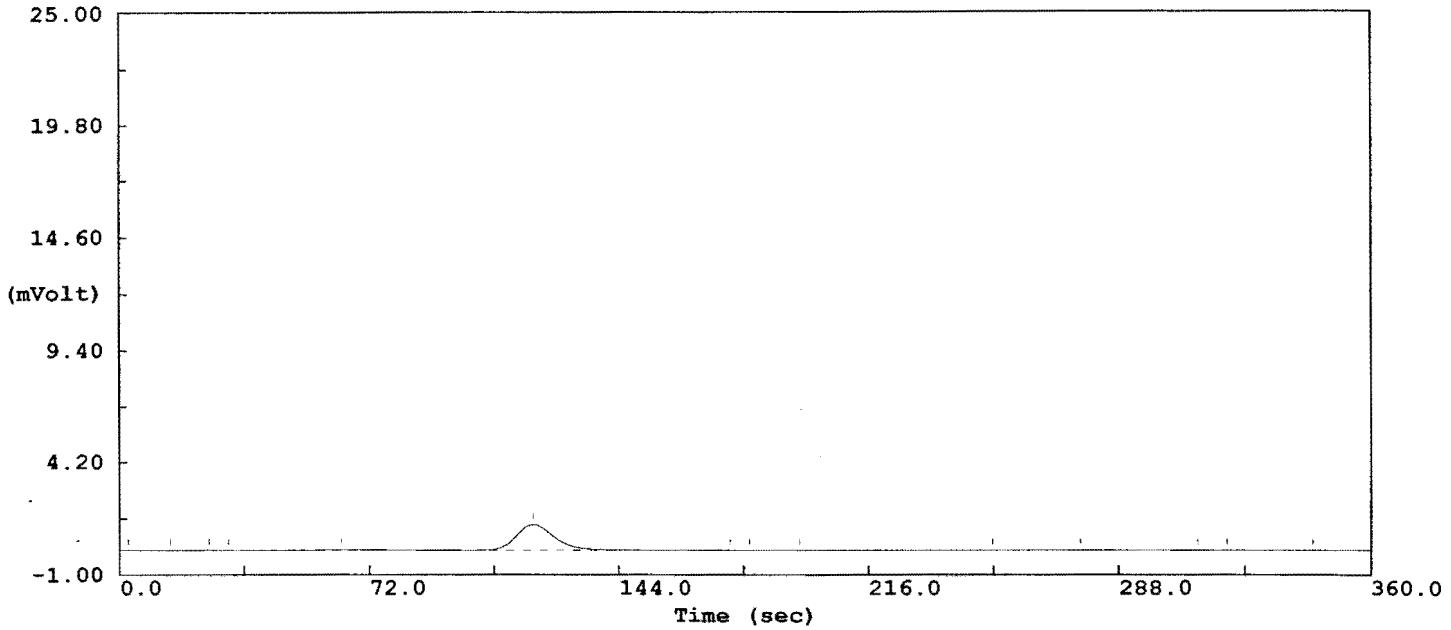
Sample ID : 600223 (# 61)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120661.DAT
Channel : Channel B
Sample weight : 8.151

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3242	119	197686	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120662.DAT
Sample name :600224 Analysed :12-06-04 18:05

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 18:05
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 18:11

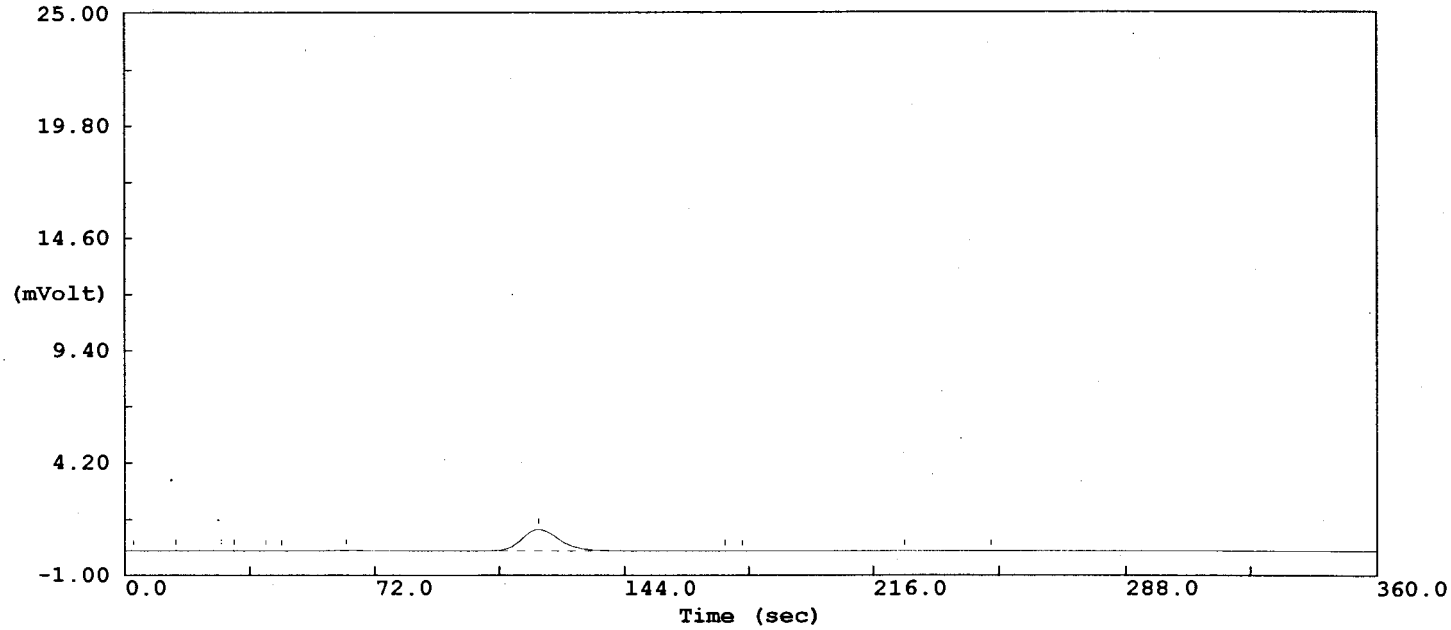
Sample ID : 600224 (# 62)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120662.DAT
Channel : Channel B
Sample weight : 6.566

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3007	119	147372	RS	1.000000	
Hydrogen	-3.5358632E+00	182	3	RS	49124.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120663.DAT
Sample name :600224 Analysed :12-06-04 18:11

Eager 200 Report

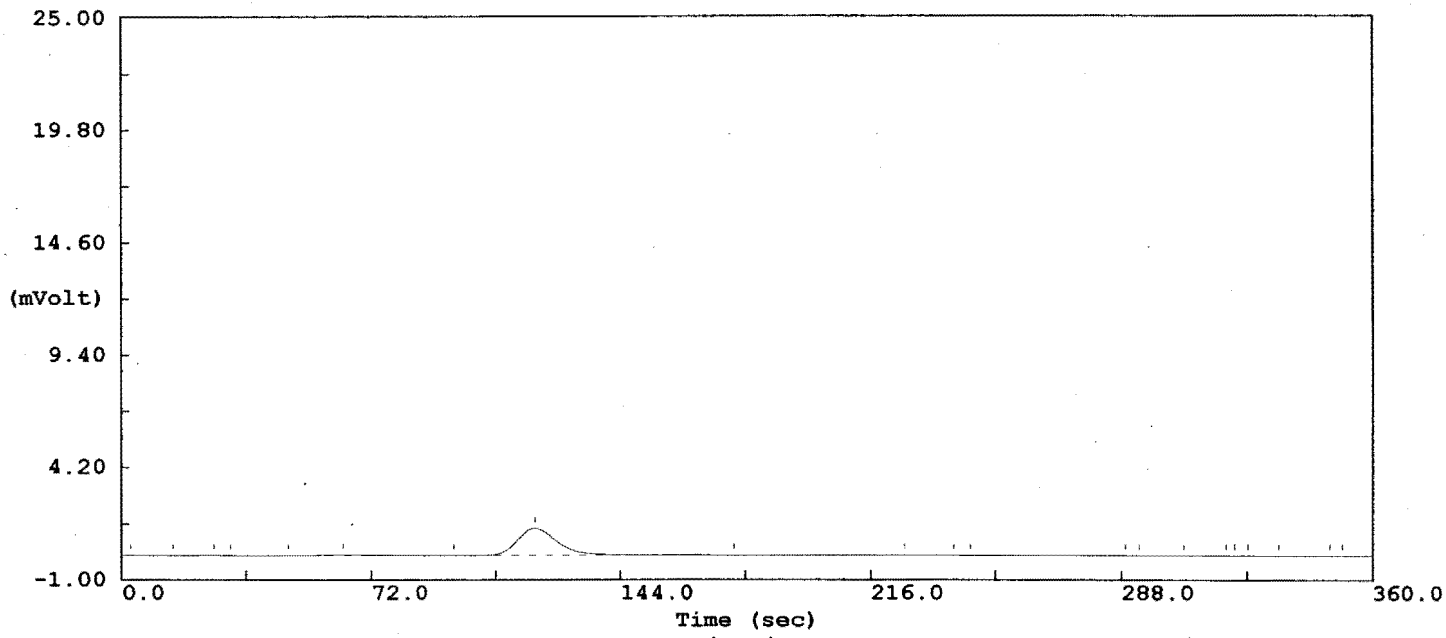
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:11	Printed	: 12/6/2004 18:17
Sample ID	: 600224 (# 63)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.874
Chromatogram	: C:\EAW\N120663.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.6846	45	4	FU	.000000	
Carbon	0.2112	119	123909	RS	1.000000	
Hydrogen	-2.9498508E+00	178	2	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120664.DAT
Sample name :600224 Analysed :12-06-04 18:17

Eager 200 Report

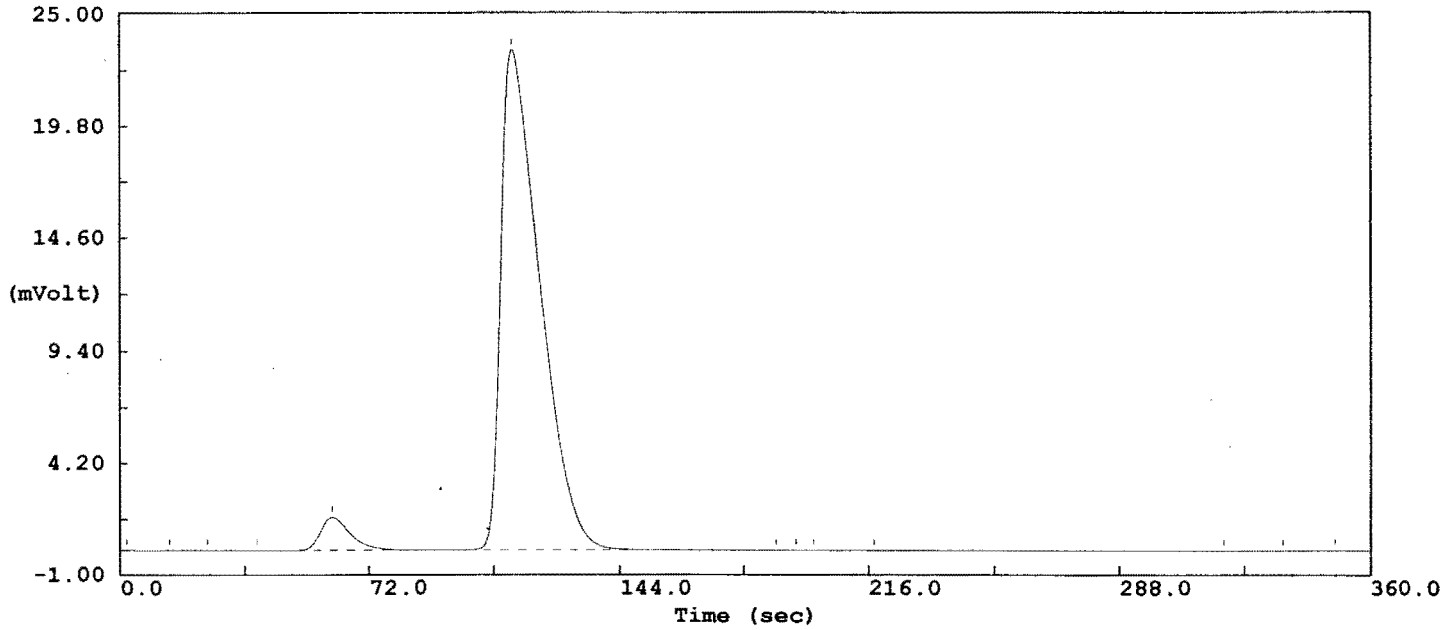
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:17	Printed	: 12/6/2004 18:23
Sample ID	: 600224 (# 64)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.699
Chromatogram	: C:\EAW\N120664.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.6996	48	1	RS	.000000	
Carbon	0.2840	119	163359	RS	1.000000	
Hydrogen	-3.0118306E+00	177	7	RS	15.181800	

Eager 200 Strip-Chart



Filename C:\EAW\N120665.DAT
Sample name :ACETANILIDE Analysed :12-06-04 18:23

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 18:23
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 18:29

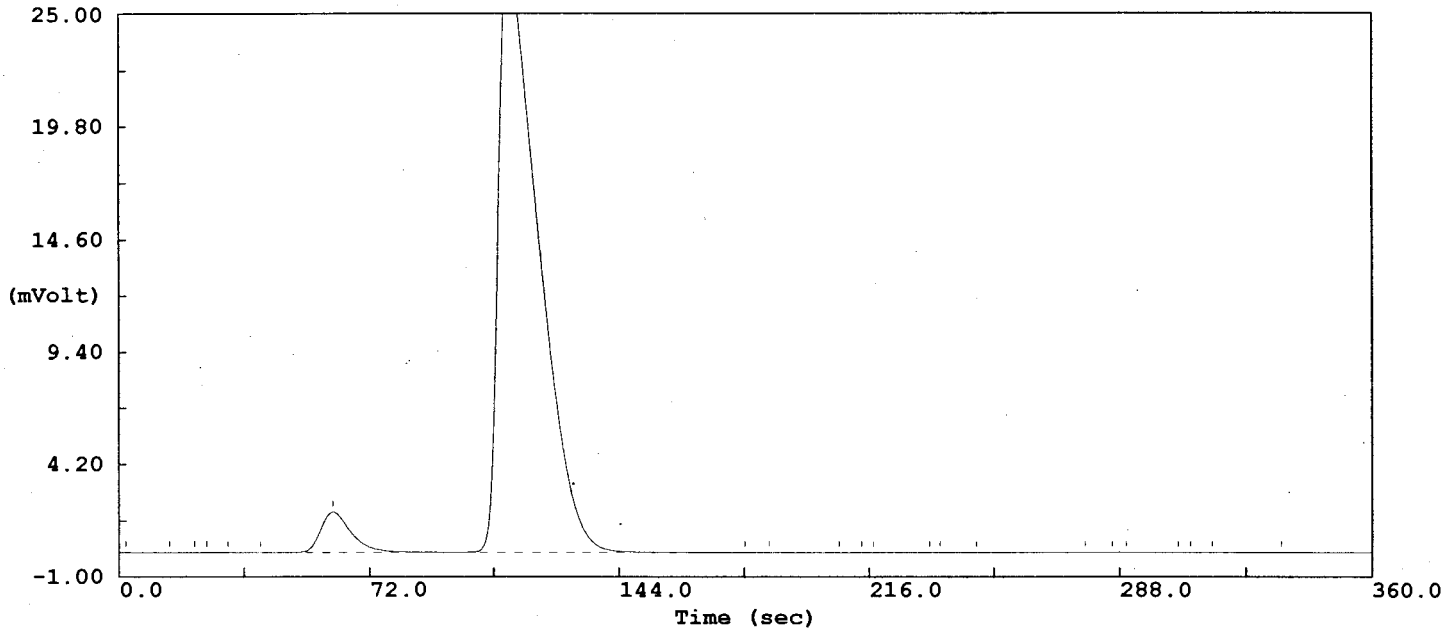
Sample ID : ACETANILIDE (# 65)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120665.DAT
Channel : Channel B
Sample weight : .554

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	9.7384	40	7	RS	417320.400000	
Carbon	70.0153	113	2921243	RS	1.000000	
Hydrogen	-4.1849339E+01	189	8	RS	389499.100000	

Eager 200 Strip-Chart



Filename C:\EAW\N120666.DAT
Sample name :ACETANILIDE Analysed :12-06-04 18:29

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 18:29
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 18:35

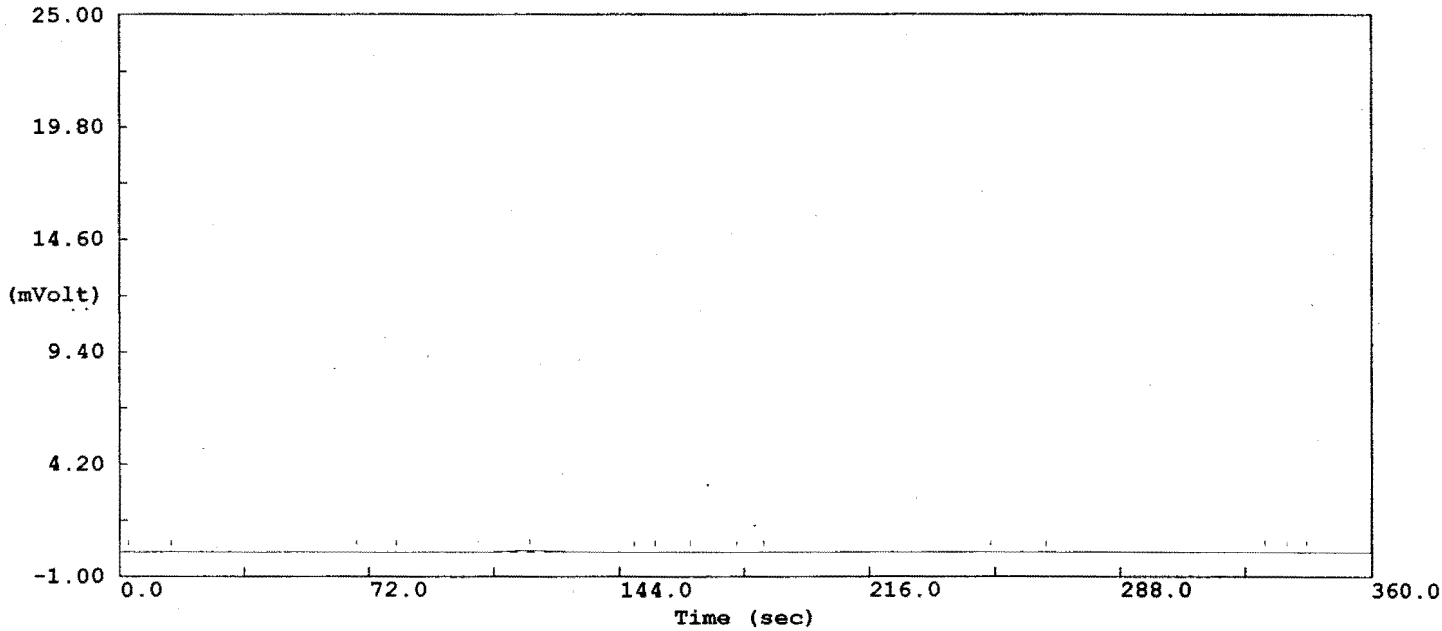
Sample ID : ACETANILIDE (# 66)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120666.DAT
Channel : Channel B
Sample weight : .664

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	8.1160	41	3	RS	.000000	
Carbon	70.2614	113	3513867	TL	1.000000	
Hydrogen	-3.4911125E+01	187	8	CR	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120667.DAT
Sample name :BLANK Analysed :12-06-04 18:35

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:35	Printed	: 12/6/2004 18:41

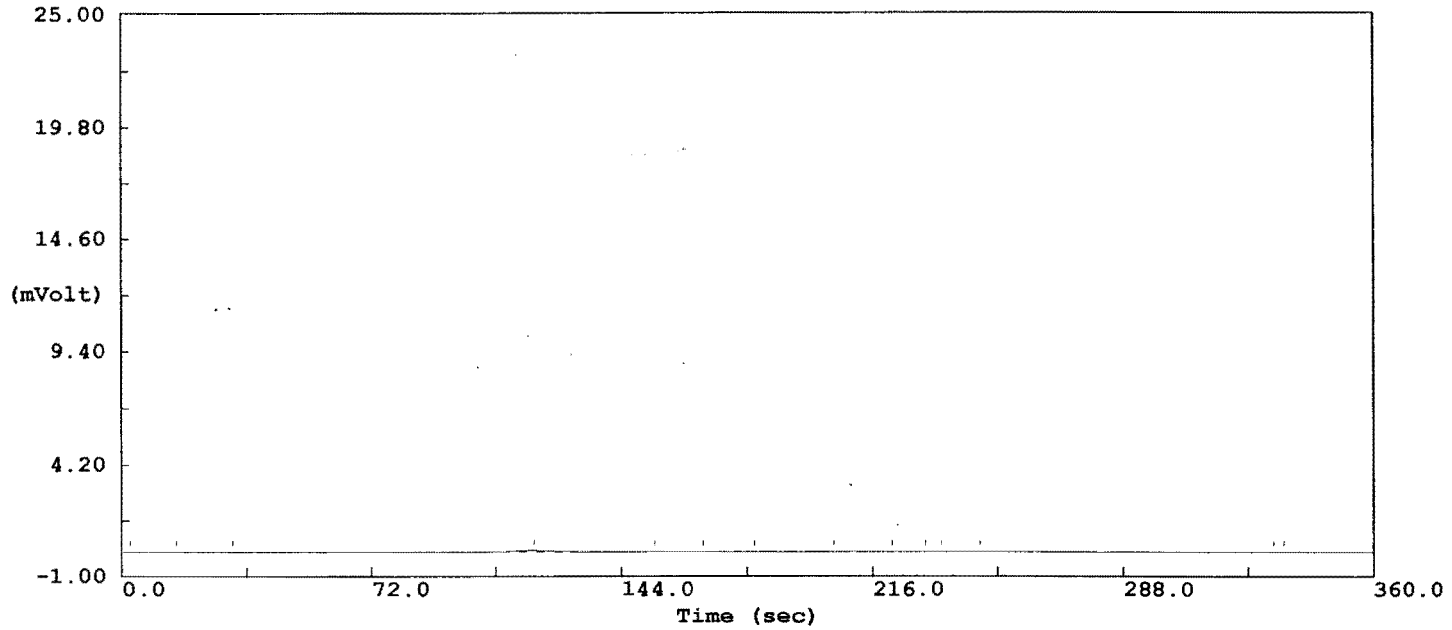
Sample ID	: BLANK (# 67)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120667.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0047	118	9249	RS	1.000000	
Hydrogen	-7.7317274E-01	186	6	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120668.DAT
Sample name :BLANK Analysed :12-06-04 18:41

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:41	Printed	: 12/6/2004 18:47

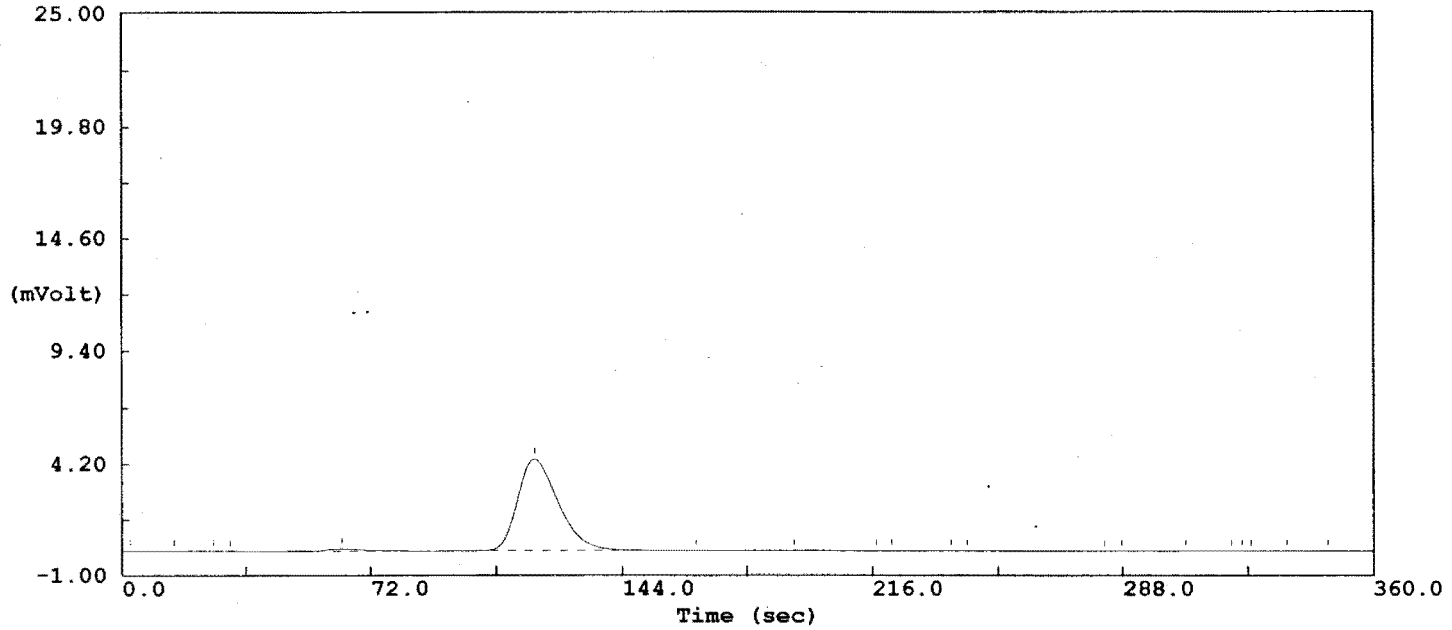
Sample ID	: BLANK (# 68)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120668.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0043	119	8244	RS	1.000000	
Hydrogen	-7.7222627E-01	182	10	RS	824.400000	

Eager 200 Strip-Chart



Filename C:\EAW\N120669.DAT
Sample name :600225 Analysed :12-06-04 18:47

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 18:47	Printed	: 12/6/2004 18:54

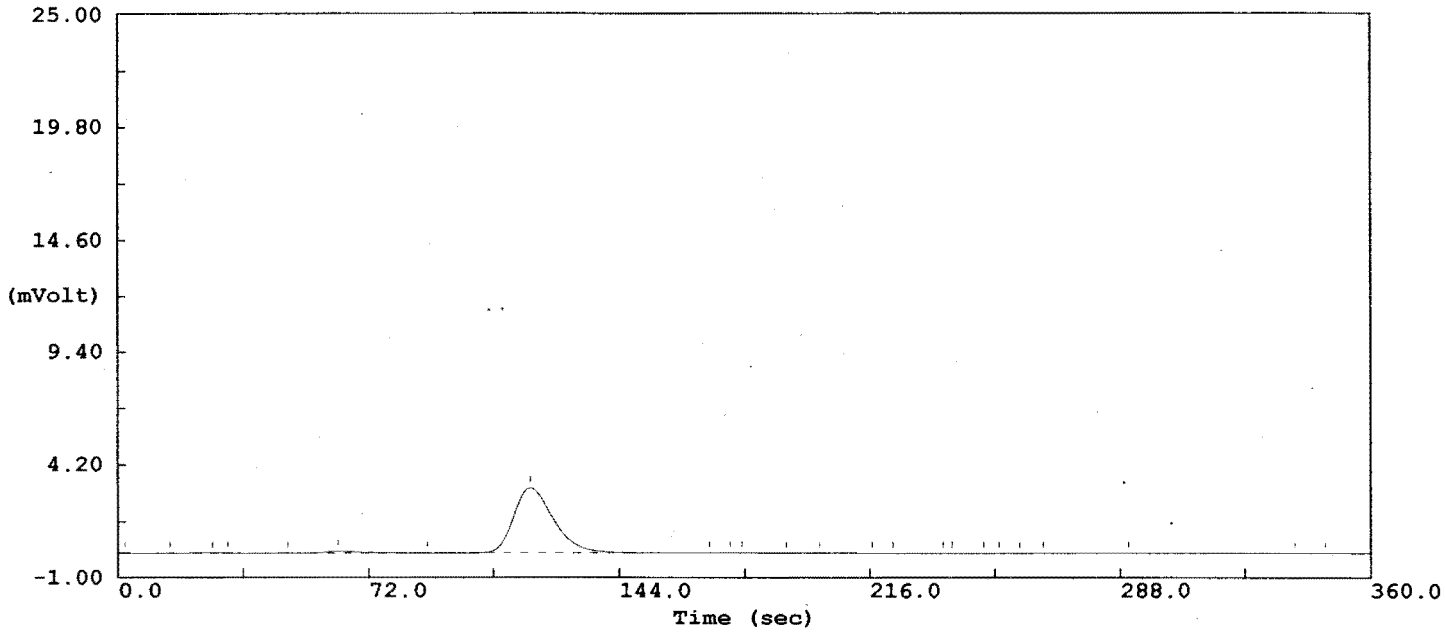
Sample ID	: 600225 (# 69)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.131
Chromatogram	: C:\EAW\N120669.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8180	119	561391	TL	1.000000	
Hydrogen	-2.5418224E+00	194	4	RS	140347.800000	

Eager 200 Strip-Chart



Filename C:\EAW\N120670.DAT
Sample name :600225 Analysed :12-06-04 18:54

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 18:54
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 19:00

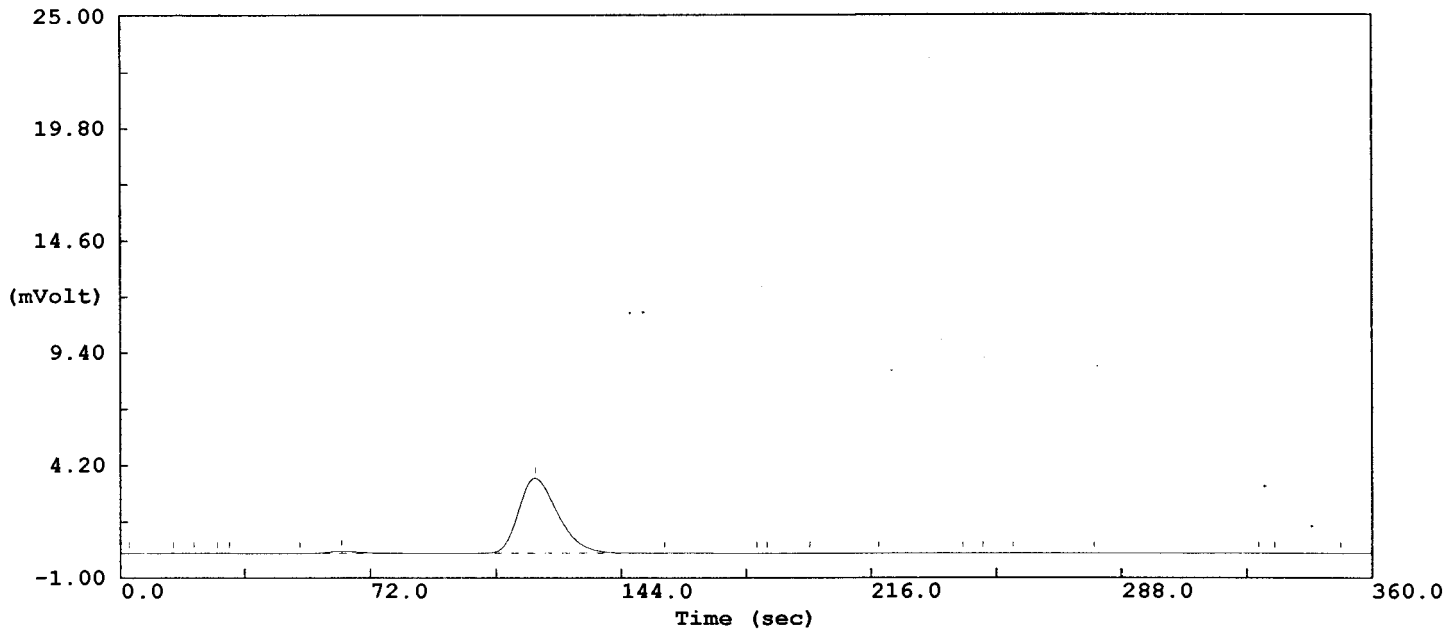
Sample ID : 600225 (# 70)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120670.DAT
Channel : Channel B
Sample weight : 6.725

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.8038	49	14	FU	.000000	
Carbon	0.7555	119	381424	TL	1.000000	
Hydrogen	-3.4427645E+00	192	12	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120671.DAT
Sample name :600225 Analysed :12-06-04 19:00

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:00	Printed	: 12/6/2004 19:06

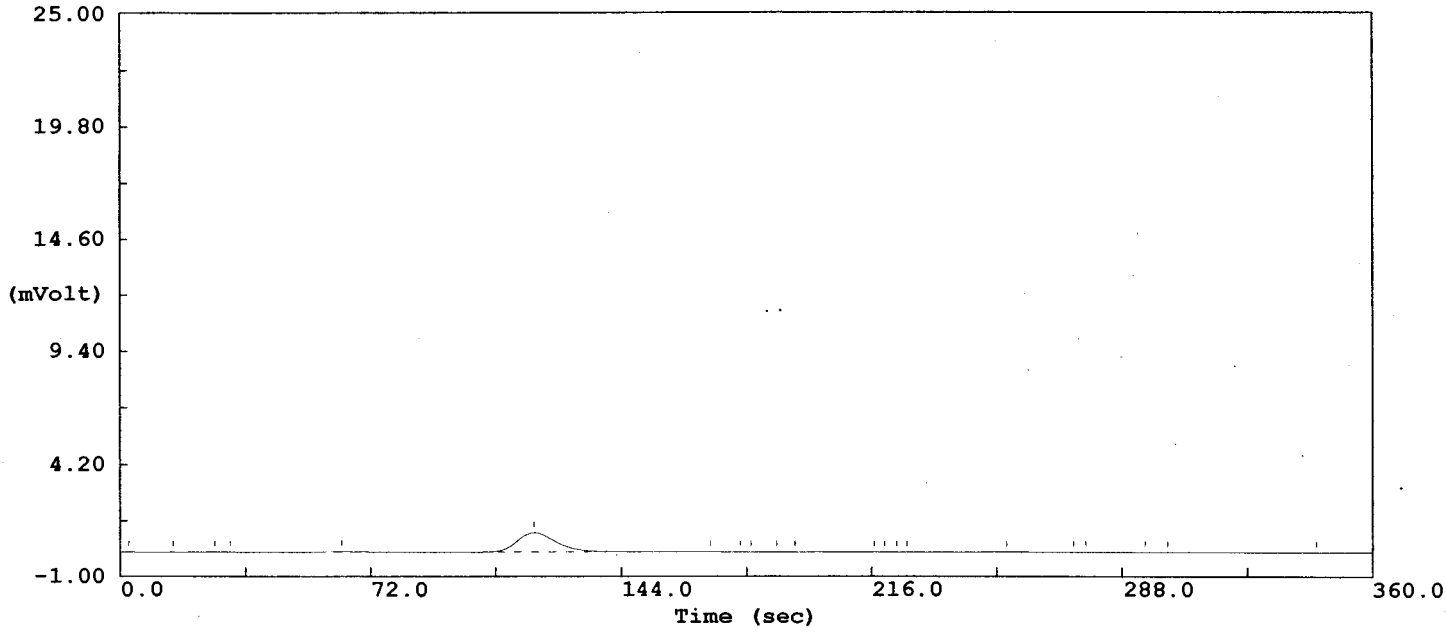
Sample ID	: 600225 (# 71)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.307
Chromatogram	: C:\EAW\N120671.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9433	120	446851	TL	1.000000	
Hydrogen	-3.6731865E+00	186	10	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120672.DAT
Sample name :600226 Analysed :12-06-04 19:06

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:06	Printed	: 12/6/2004 19:12

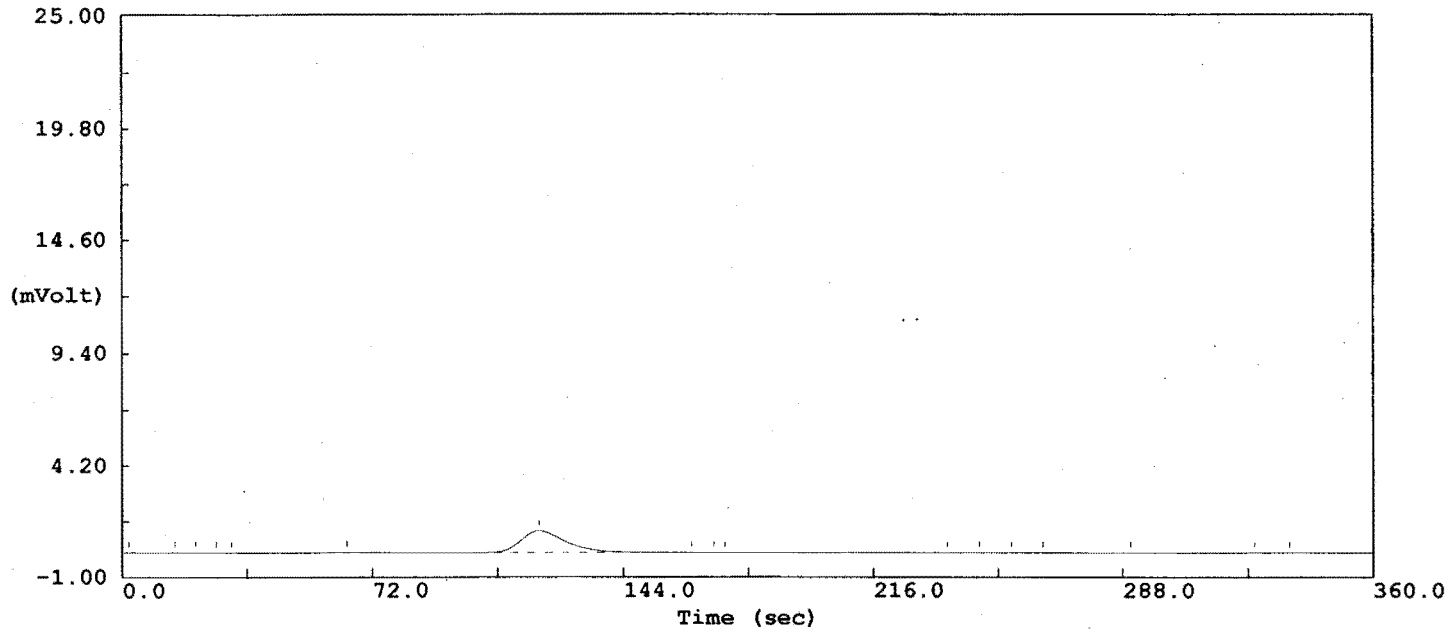
Sample ID	: 600226 (# 72)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.184
Chromatogram	: C:\EAW\N120672.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2512	119	115629	RS	1.000000	
Hydrogen	-3.7439508E+00	189	12	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120673.DAT
Sample name :600226 Analysed :12-06-04 19:12

Eager 200 Report

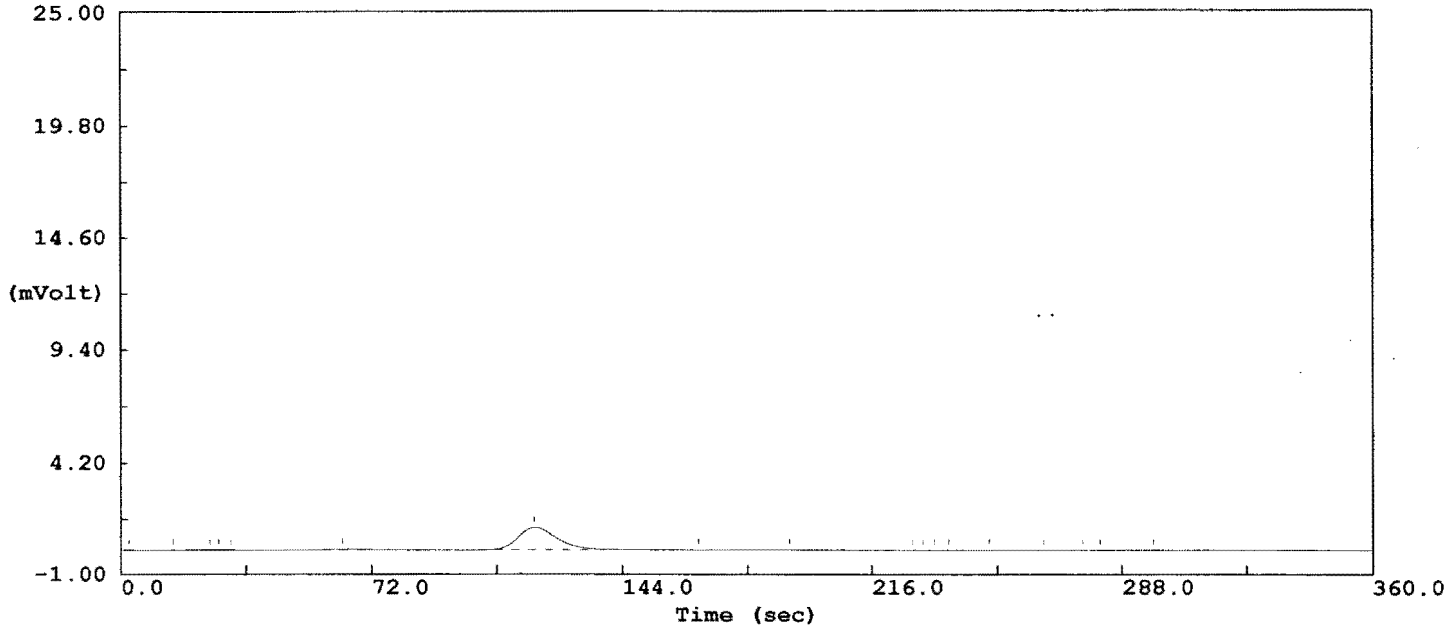
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:12	Printed	: 12/6/2004 19:18
Sample ID	: 600226 (# 73)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.444
Chromatogram	: C:\EAW\N120673.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.3040	120	146203	TL	1.000000	
Hydrogen	-3.6017039E+00	173	4	CR	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120674.DAT
Sample name :600226 Analysed :12-06-04 19:18

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:18	Printed	: 12/6/2004 19:24

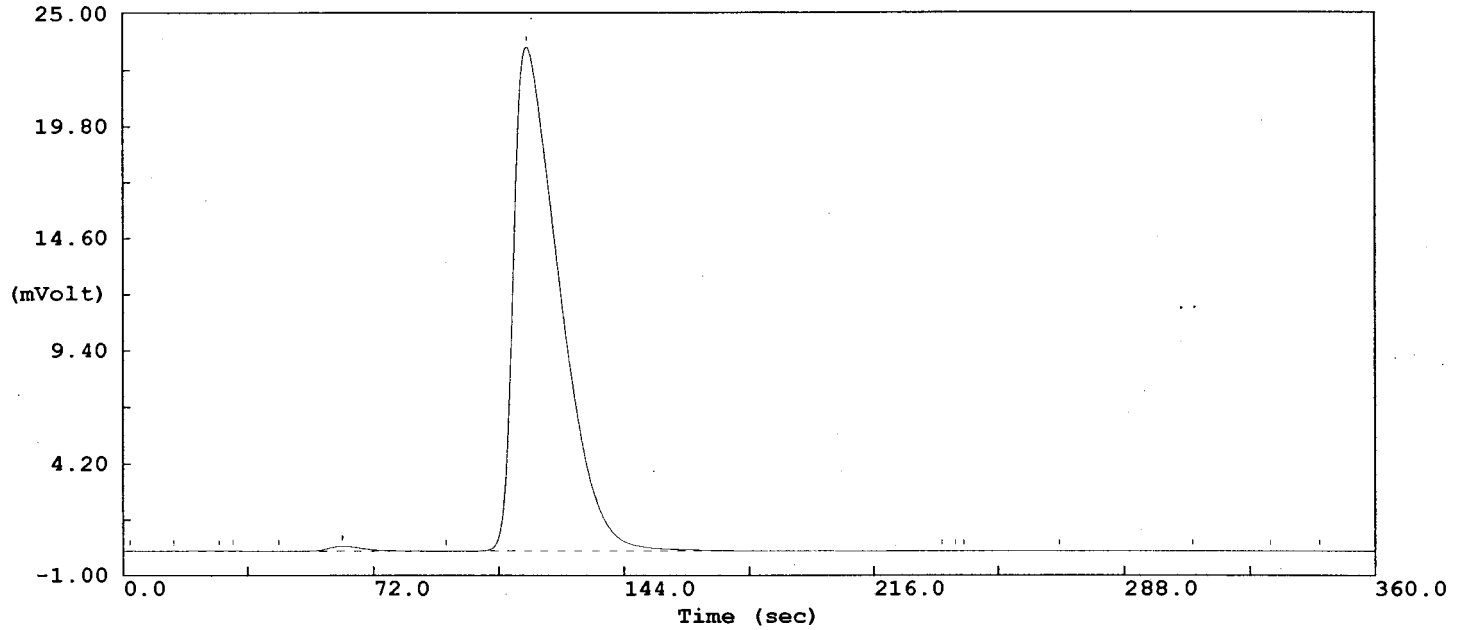
Sample ID	: 600226 (# 74)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.38
Chromatogram	: C:\EAW\N120674.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.2441	119	134341	RS	1.000000	
Hydrogen	-1.3346959E+00	192	1886	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120675.DAT
Sample name :600412 Analysed :12-06-04 19:24

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 19:24

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 19:30

Sample ID : 600412 (# 75)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120675.DAT

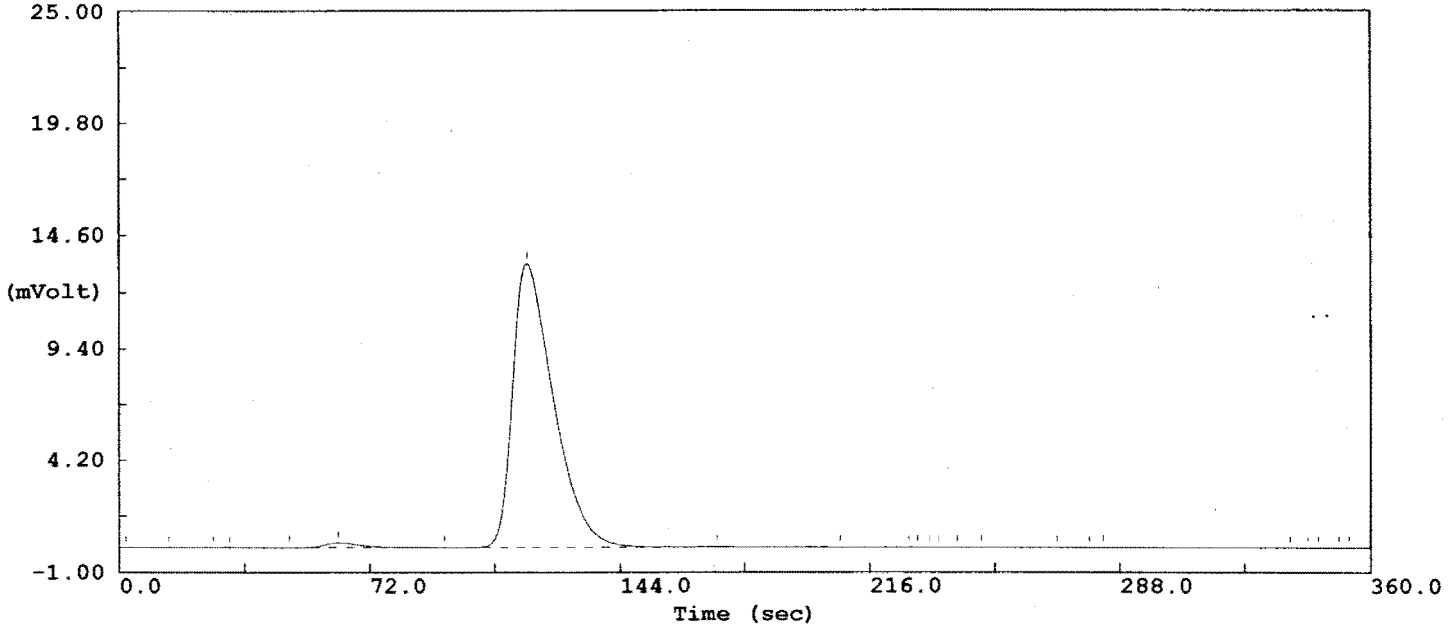
Channel : Channel B
Sample weight : 4.389

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	1.2292	45	7	RS	512008.800000	
Carbon	10.8419	116	3584062	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120676.DAT
Sample name :600412 Analysed :12-06-04 19:30

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:30	Printed	: 12/6/2004 19:36

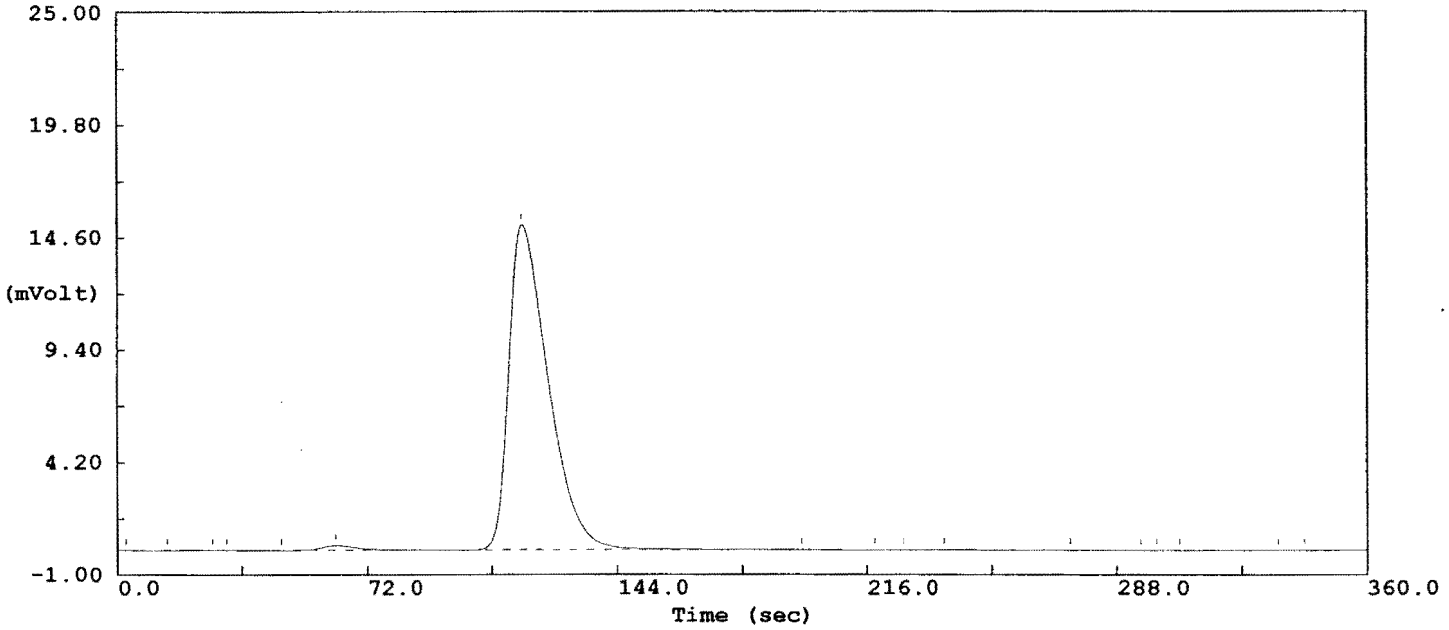
Sample ID	: 600412 (# 76)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.259
Chromatogram	: C:\EAW\N120676.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	5.6379	118	1807850	TL	1.000000	
Hydrogen	-3.7894583E+00	172	1000	CR	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120677.DAT
Sample name :600412 Analysed :12-06-04 19:36

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 19:36

Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 19:42

Sample ID : 600412 (# 77)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120677.DAT

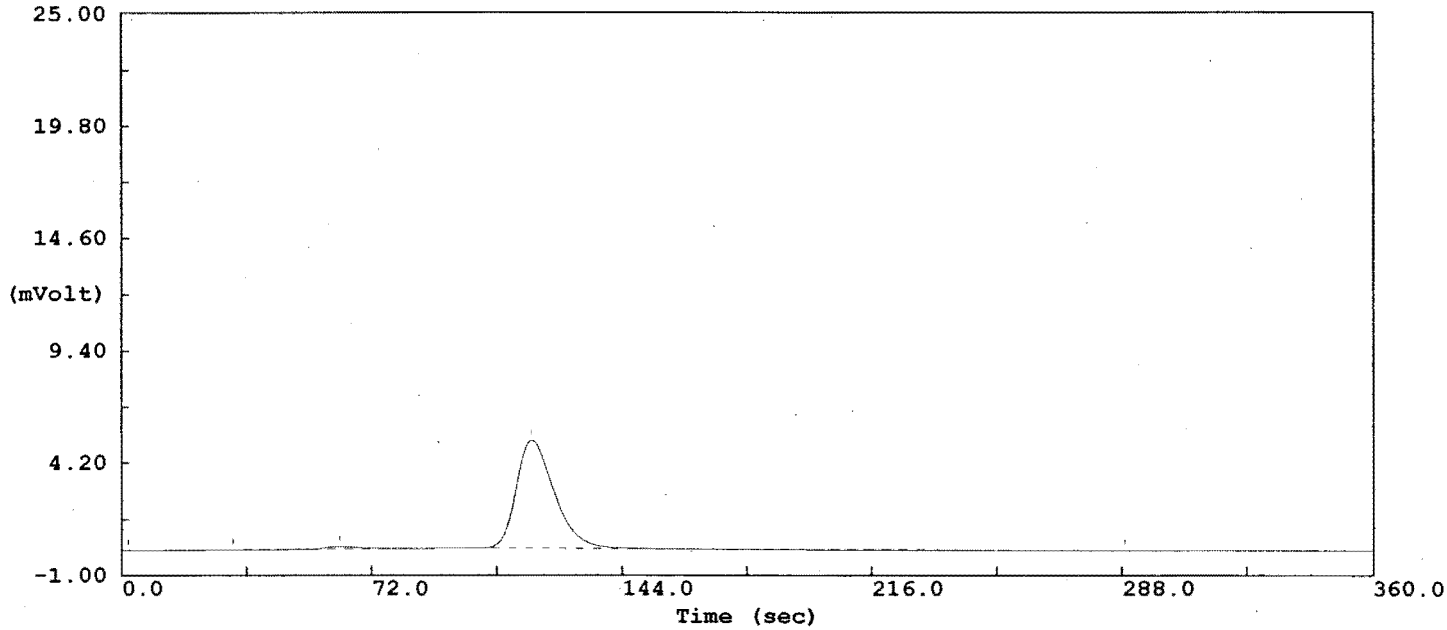
Channel : Channel B
Sample weight : 4.221

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	1.2771	48	4	RS	495961.500000	
Carbon	6.2420	117	1983846	RS	1.000000	
Hydrogen	-4.9604044E+00	197	324	RS	6122.981000	

Eager 200 Strip-Chart



Filename C:\EAW\N120678.DAT
Sample name :600413 Analysed :12-06-04 19:42

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1206.MTH
Analysed : 12-06-04 19:42
Printed : 12/6/2004 19:48

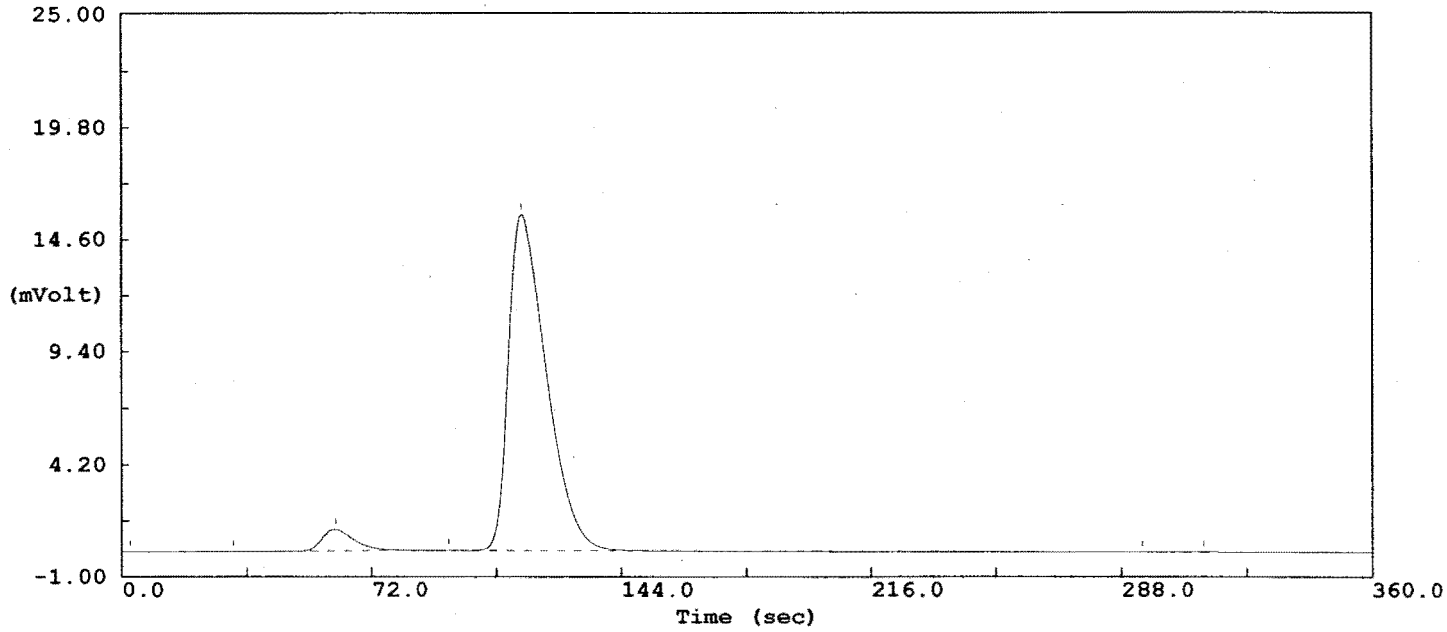
Sample ID : 600413 (# 78)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 6.356
Chromatogram : C:\EAW\N120678.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.3317	118	636366	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120679.DAT
Sample name :ACETANILIDE Analysed :12-06-04 19:48

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:48	Printed	: 12/6/2004 19:54

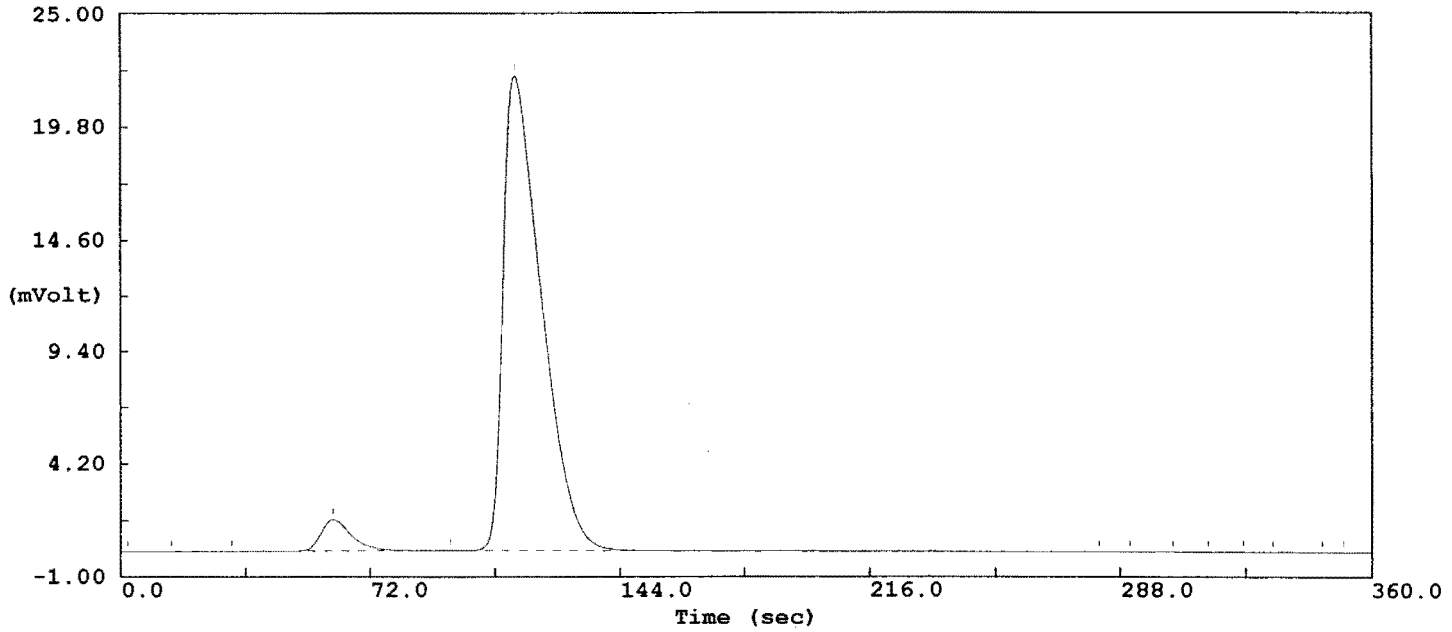
Sample ID	: ACETANILIDE (# 79)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .362
Chromatogram	: C:\EAW\N120679.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	71.1296	115	1938734	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120680.DAT
Sample name :ACETANILIDE Analysed :12-06-04 19:55

Eager 200 Report

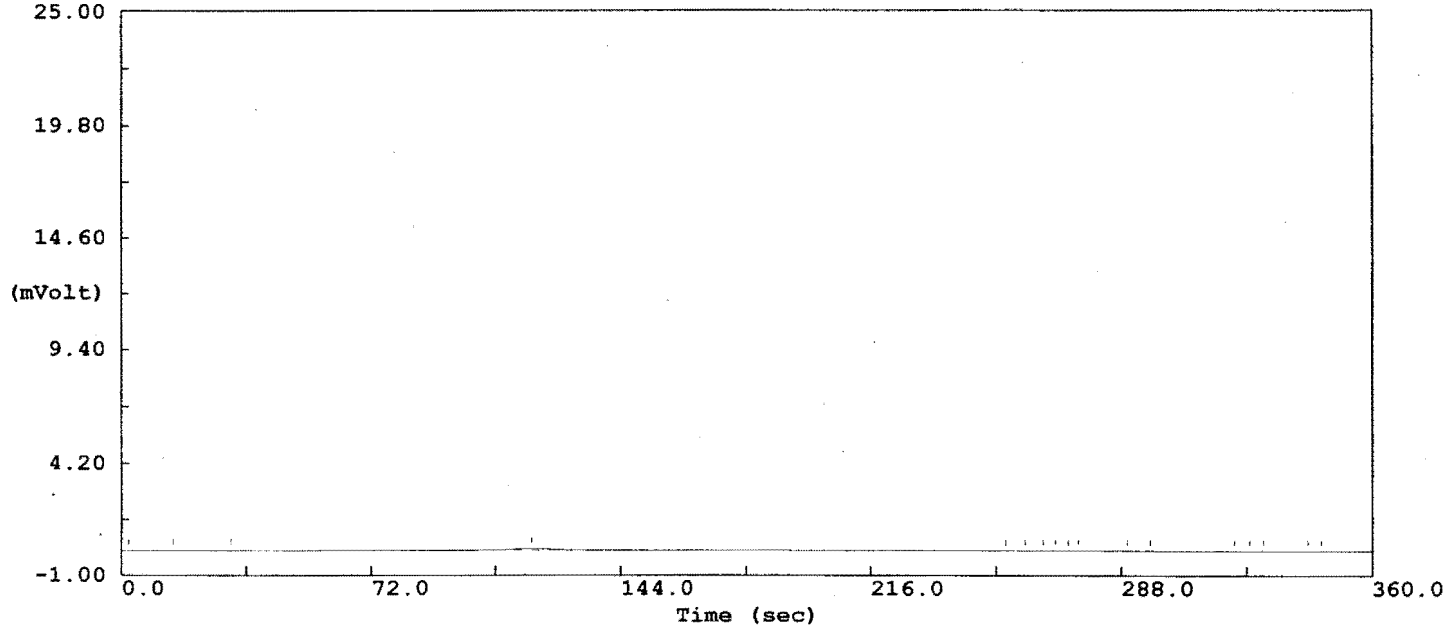
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 19:55	Printed	: 12/6/2004 20:01
Sample ID	: ACETANILIDE (# 80)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .521
Chromatogram	: C:\EAW\N120680.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	70.3713	114	2761125	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120681.DAT
Sample name :BLANK Analysed :12-06-04 20:01

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 12-06-04 20:01
Company Name : SEVERN TRENT LAB
Method File : N-C1206.MTH
Printed : 12/6/2004 20:07

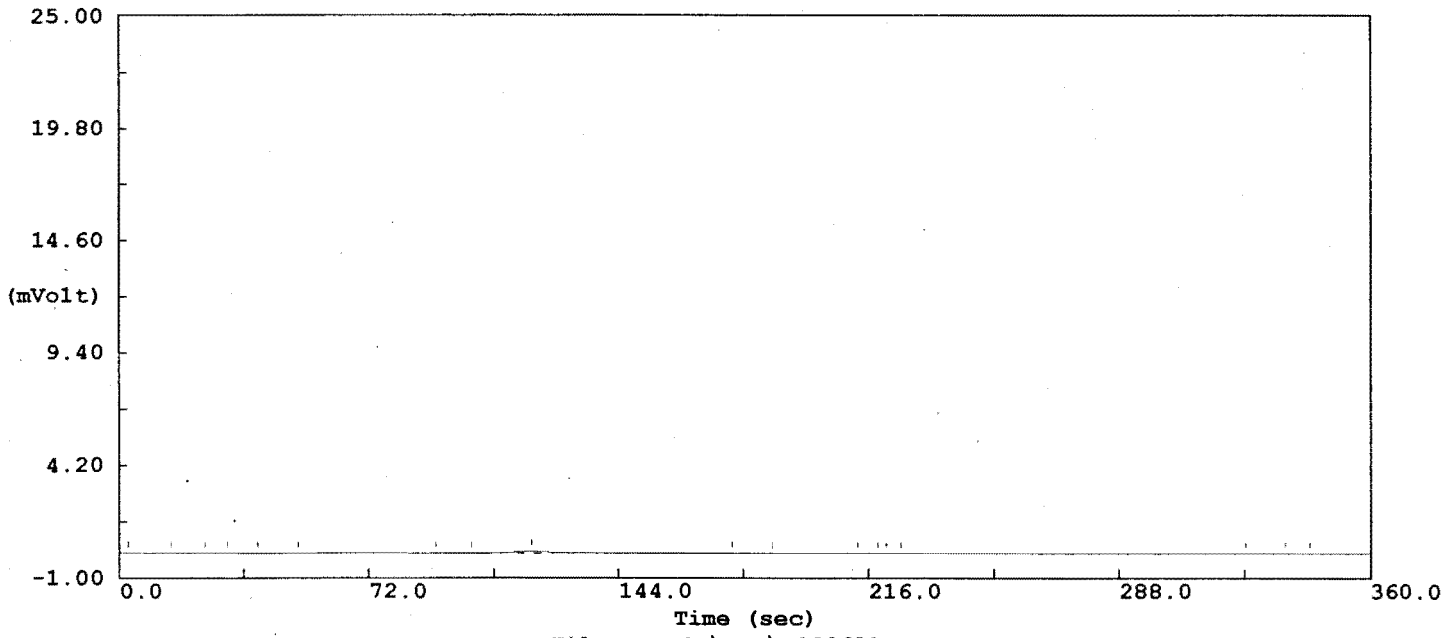
Sample ID : BLANK (# 81)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N120681.DAT
Channel : Channel B
Sample weight : 30

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0049	118	9645	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120682.DAT
Sample name :BLANK Analysed :12-06-04 20:07

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:07	Printed	: 12/6/2004 20:13

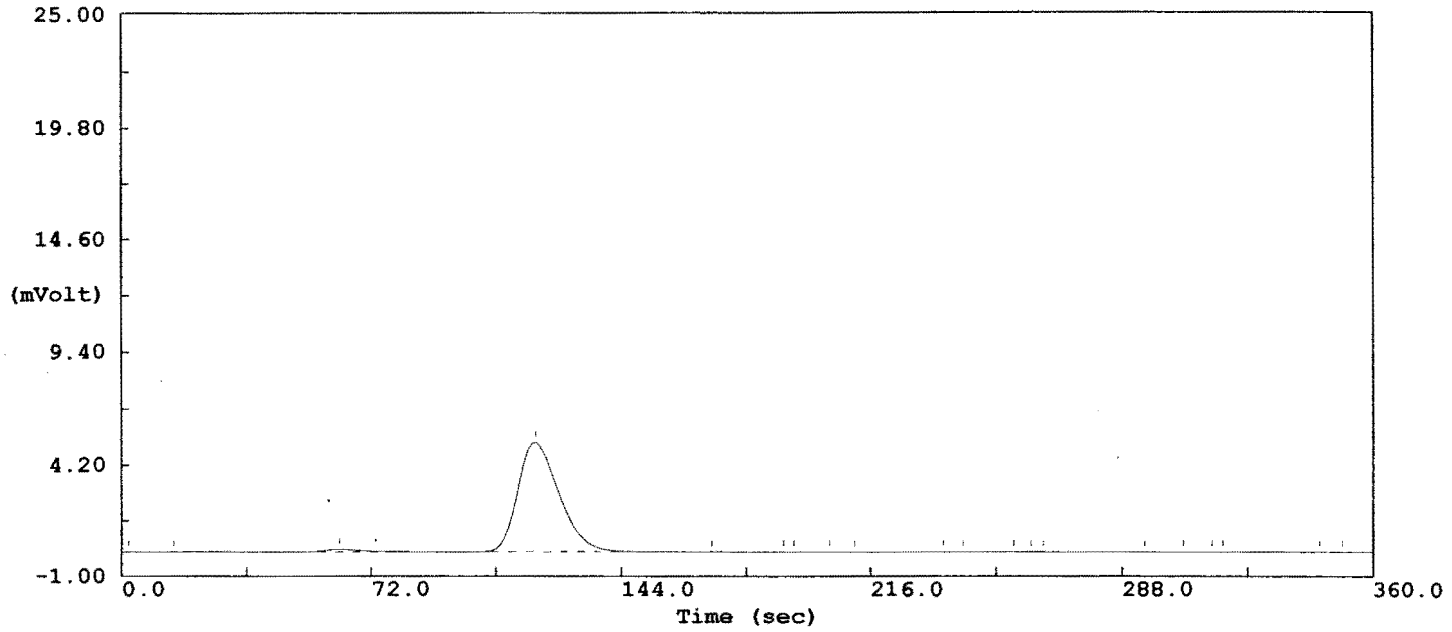
Sample ID	: BLANK (# 82)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120682.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.1802	40	15	RS	.000000	
Carbon	0.0052	119	10374	RS	1.000000	
Hydrogen	-7.7388257E-01	188	3	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120683.DAT
Sample name :600413 Analysed :12-06-04 20:13

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:13	Printed	: 12/6/2004 20:19

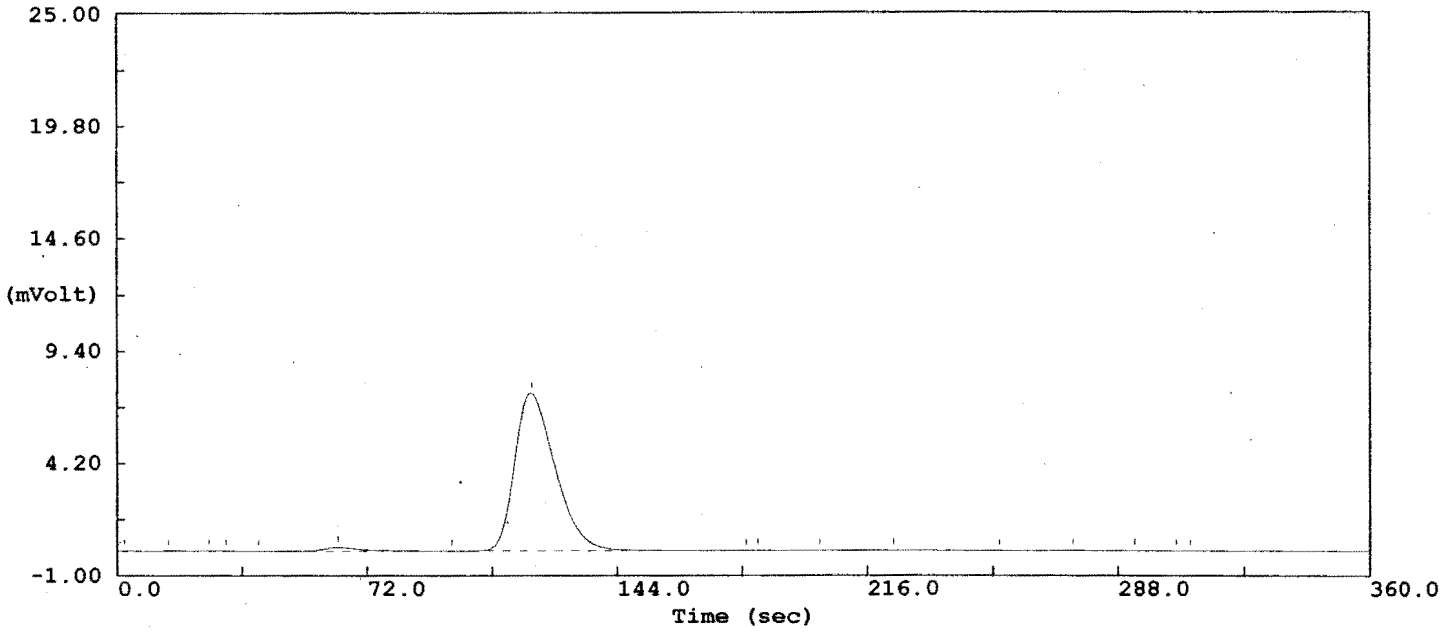
Sample ID	: 600413 (# 83)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.51
Chromatogram	: C:\EAW\N120683.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.0054	119	680072	TL	1.000000	
Hydrogen	-5.1469908E+00	191	4	RS	194306.300000	

Eager 200 Strip-Chart



Filename C:\EAW\N120684.DAT
Sample name :600413 Analysed :12-06-04 20:19

Eager 200 Report

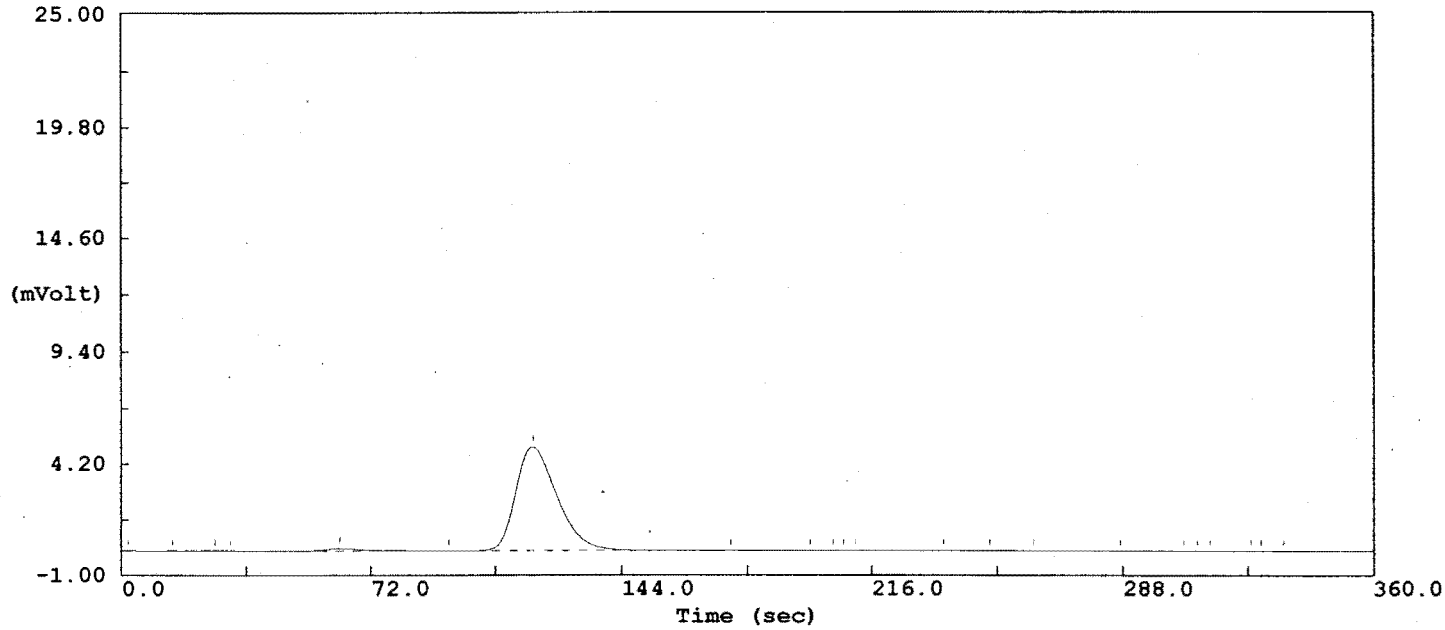
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:19	Printed	: 12/6/2004 20:25
Sample ID	: 600413 (# 84)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.631
Chromatogram	: C:\EAW\N120684.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Nitrogen	0.9584	41	8	RS	.000000	
Carbon	2.2732	119	963096	RS	1.000000	
Hydrogen	-3.9919875E+00	185	107	FU	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120685.DAT
Sample name :600414 Analysed :12-06-04 20:25

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:25	Printed	: 12/6/2004 20:31

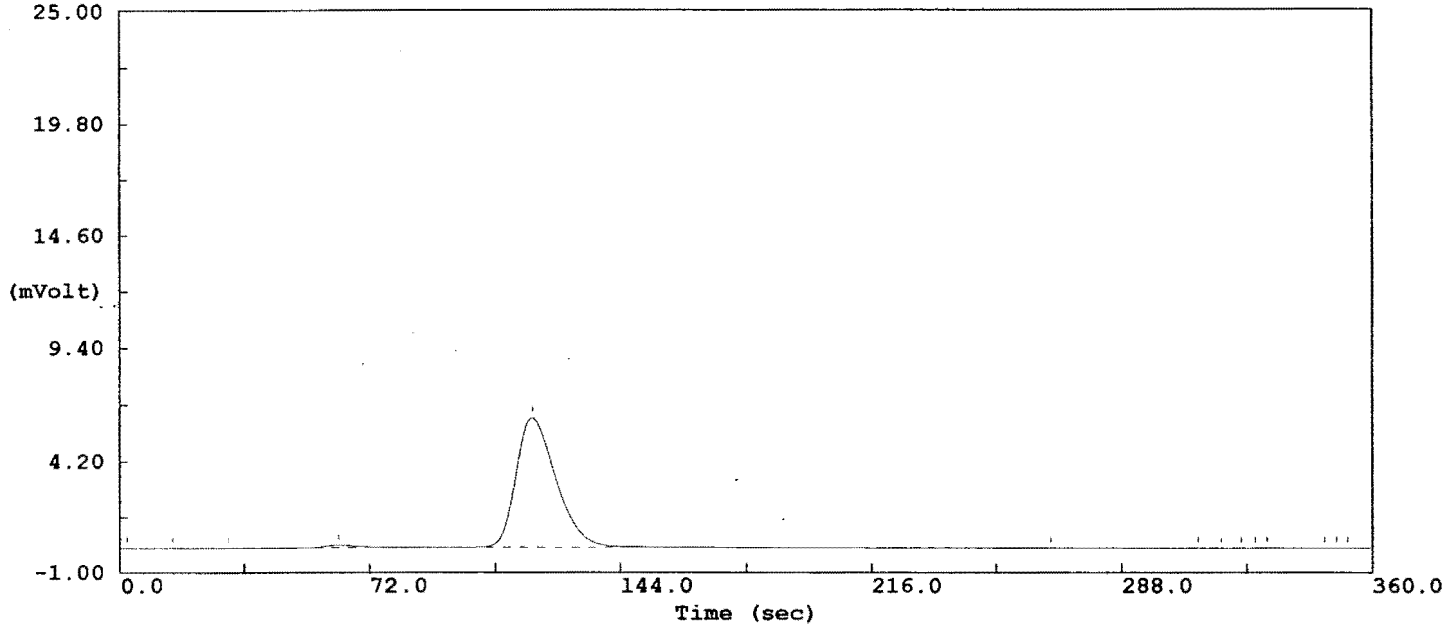
Sample ID	: 600414 (# 85)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.933
Chromatogram	: C:\EAW\N120685.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.7199	119	637867	RS	1.000000	
Hydrogen	-4.0883203E+00	175	433	RS	1474.837000	

Eager 200 Strip-Chart



Filename C:\EAW\N120686.DAT
Sample name :600414 Analysed :12-06-04 20:31

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:31	Printed	: 12/6/2004 20:37

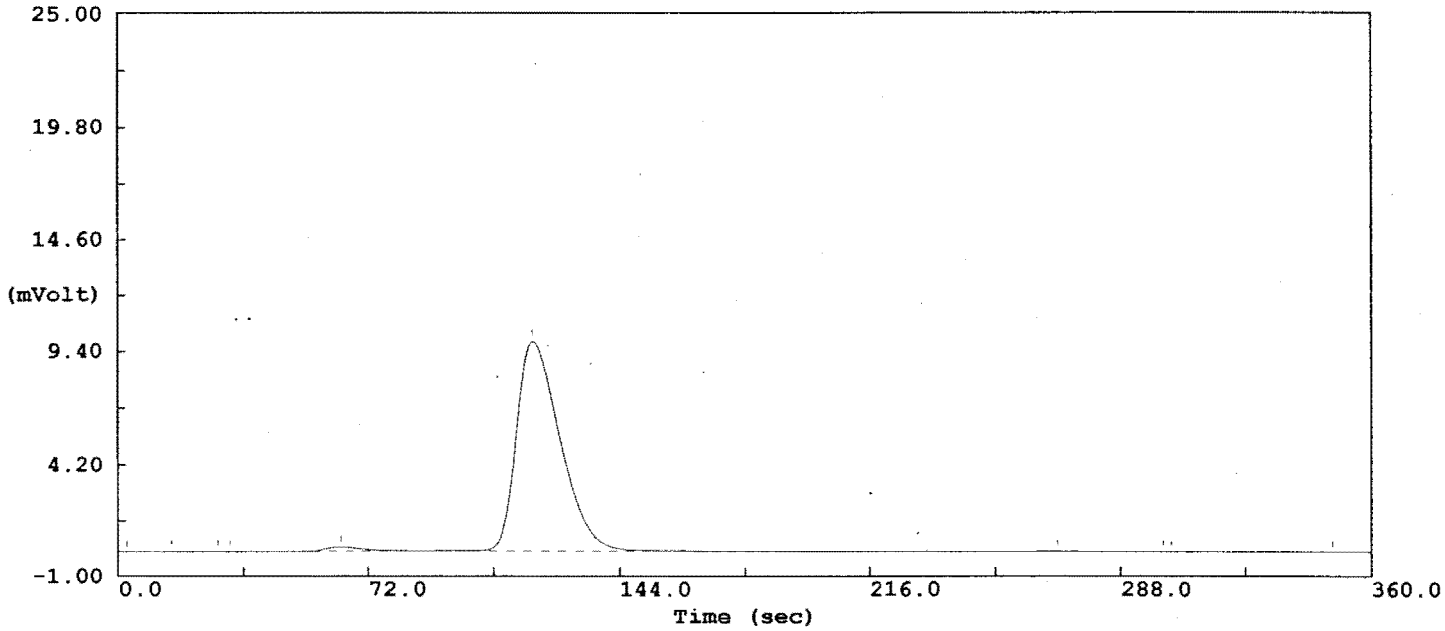
Sample ID	: 600414 (# 86)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.619
Chromatogram	: C:\EAW\N120686.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.2889	119	795217	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120687.DAT
Sample name :600414 Analysed :12-06-04 20:37

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:37	Printed	: 12/6/2004 20:43

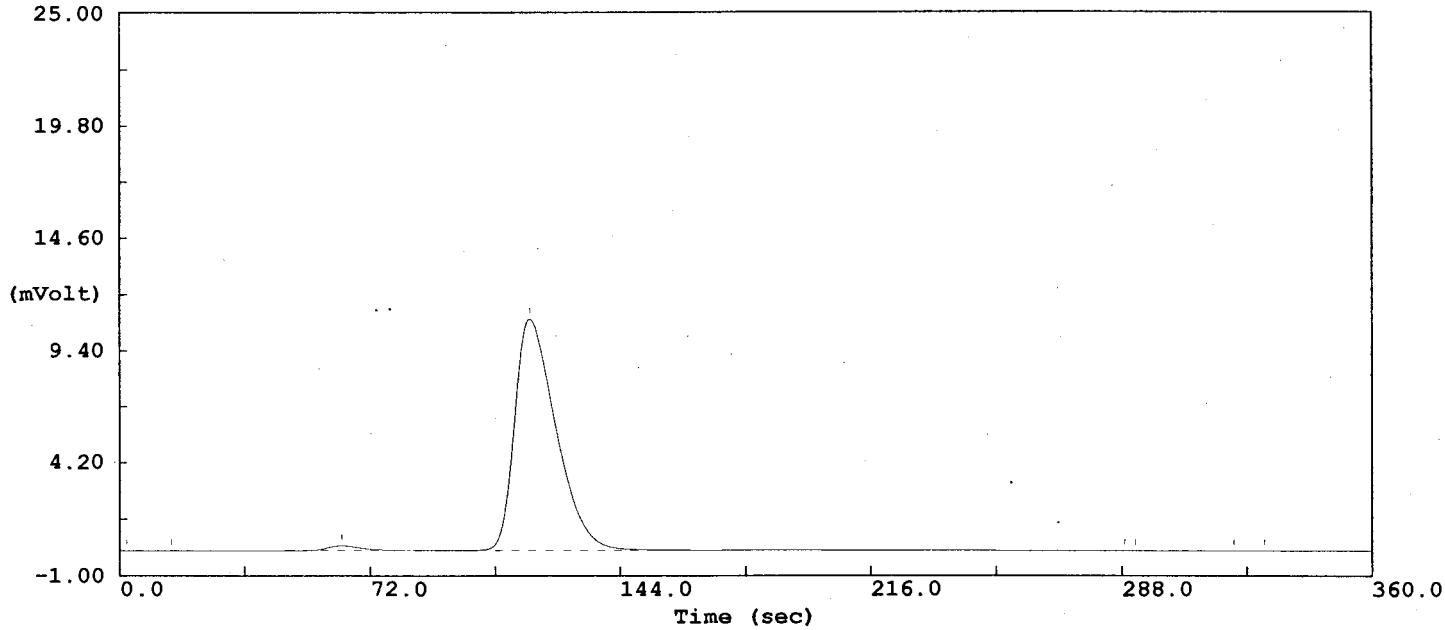
Sample ID	: 600414 (# 87)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.899
Chromatogram	: C:\EAW\N120687.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	2.6379	119	1369844	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120688.DAT
Sample name :600415 Analysed :12-06-04 20:43

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:43	Printed	: 12/6/2004 20:49

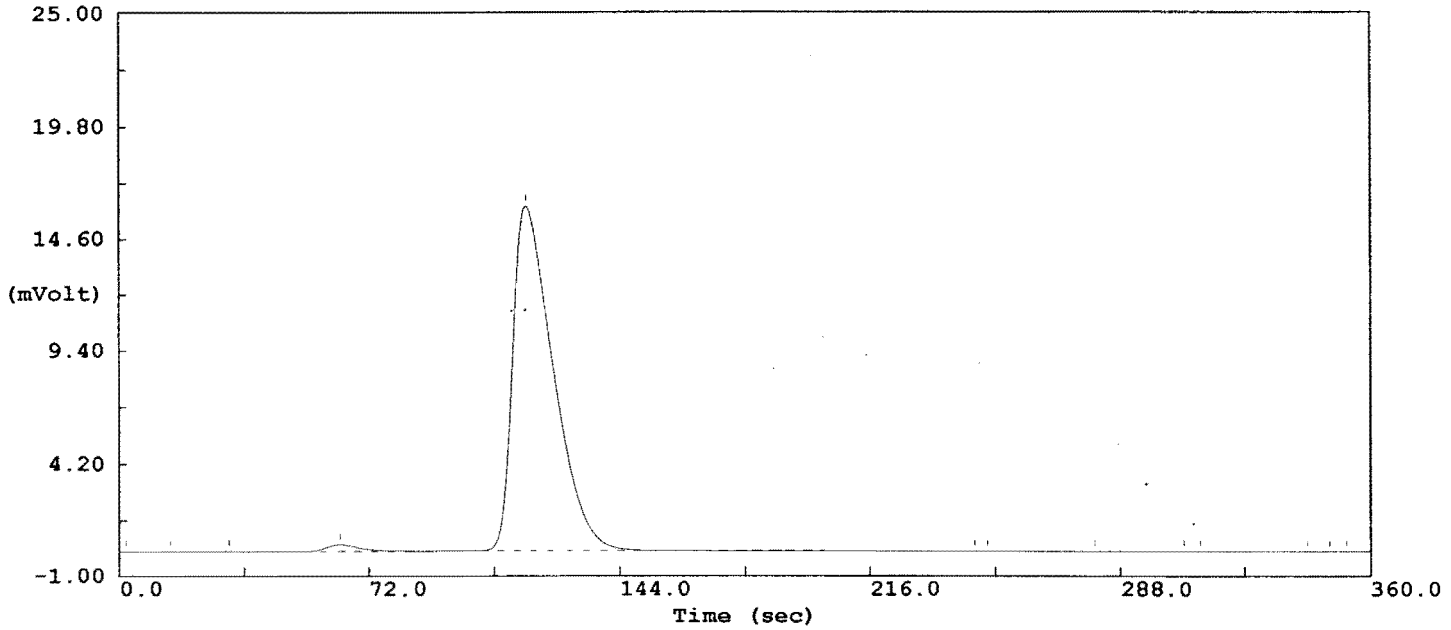
Sample ID	: 600415 (# 88)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.729
Chromatogram	: C:\EAW\N120688.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	4.0469	118	1440606	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120689.DAT
Sample name :600415 Analysed :12-06-04 20:49

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:49	Printed	: 12/6/2004 20:55

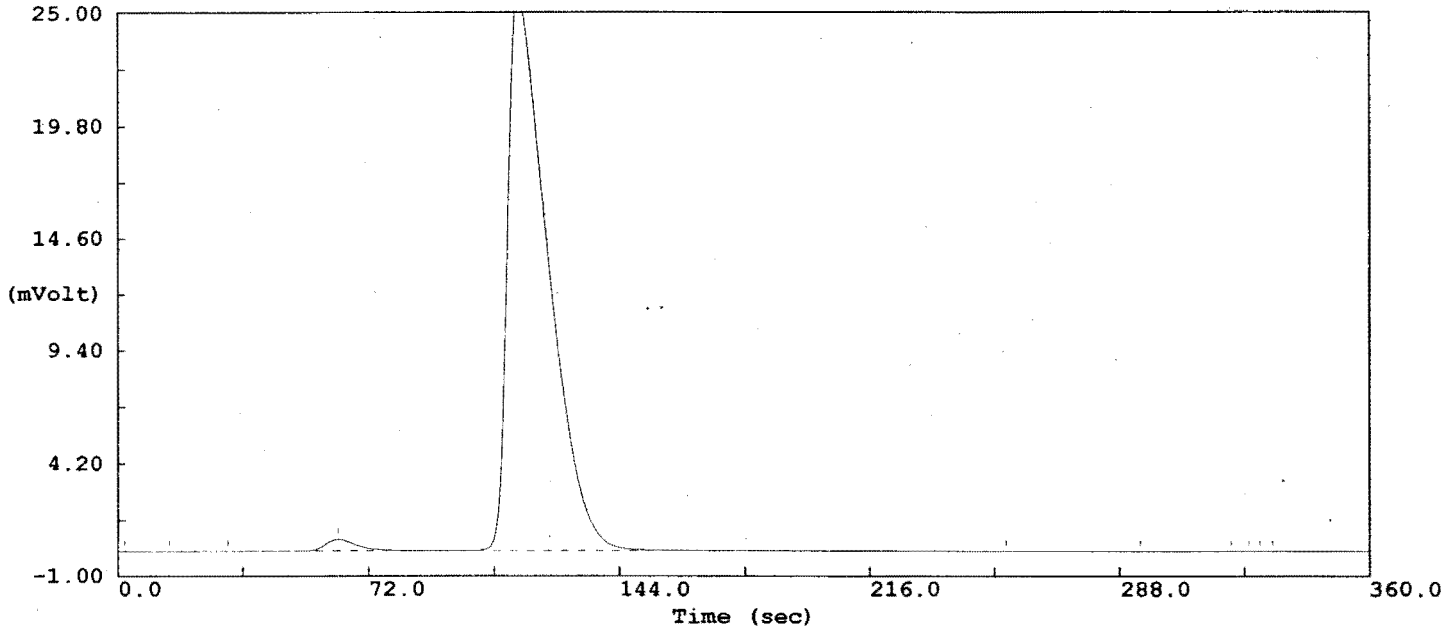
Sample ID	: 600415 (# 89)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.39
Chromatogram	: C:\EAW\N120689.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	5.2537	118	2132262	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120690.DAT
Sample name :600415 Analysed :12-06-04 20:55

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 20:55	Printed	: 12/6/2004 21:01

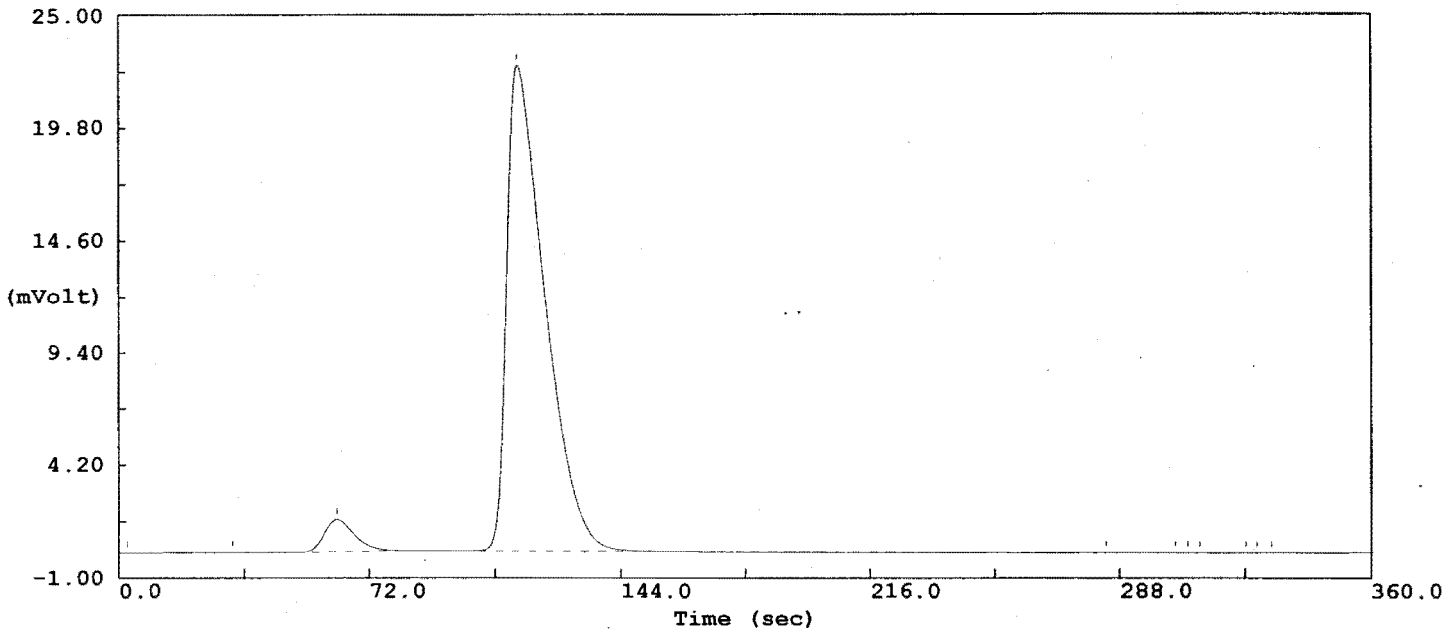
Sample ID	: 600415 (# 90)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.156
Chromatogram	: C:\EAW\N120690.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	4.9813	115	3435118	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120691.DAT
Sample name :ACETANILIDE Analysed :12-06-04 21:02

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 21:02	Printed	: 12/6/2004 21:08

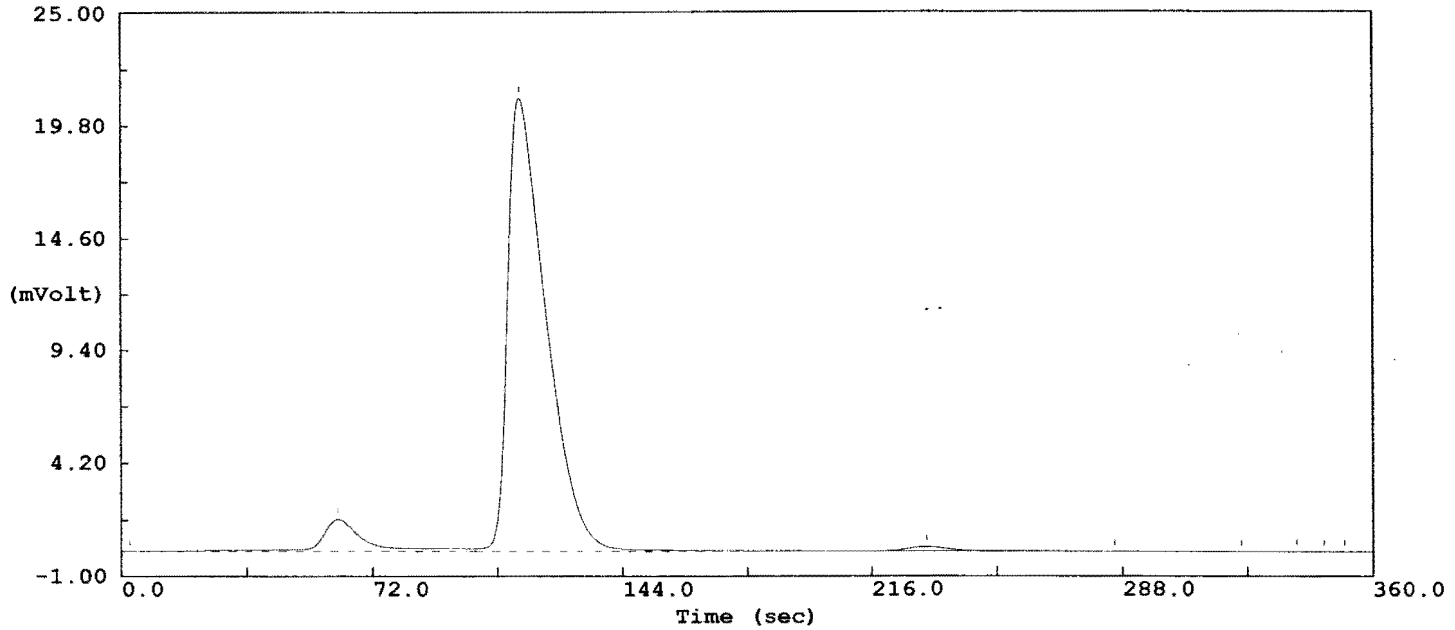
Sample ID	: ACETANILIDE (# 91)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .525
Chromatogram	: C:\EAW\N120691.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	72.6092	115	2870864	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120692.DAT
Sample name :ACETANILIDE Analysed :12-06-04 21:08

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 21:08	Printed	: 12/6/2004 21:27

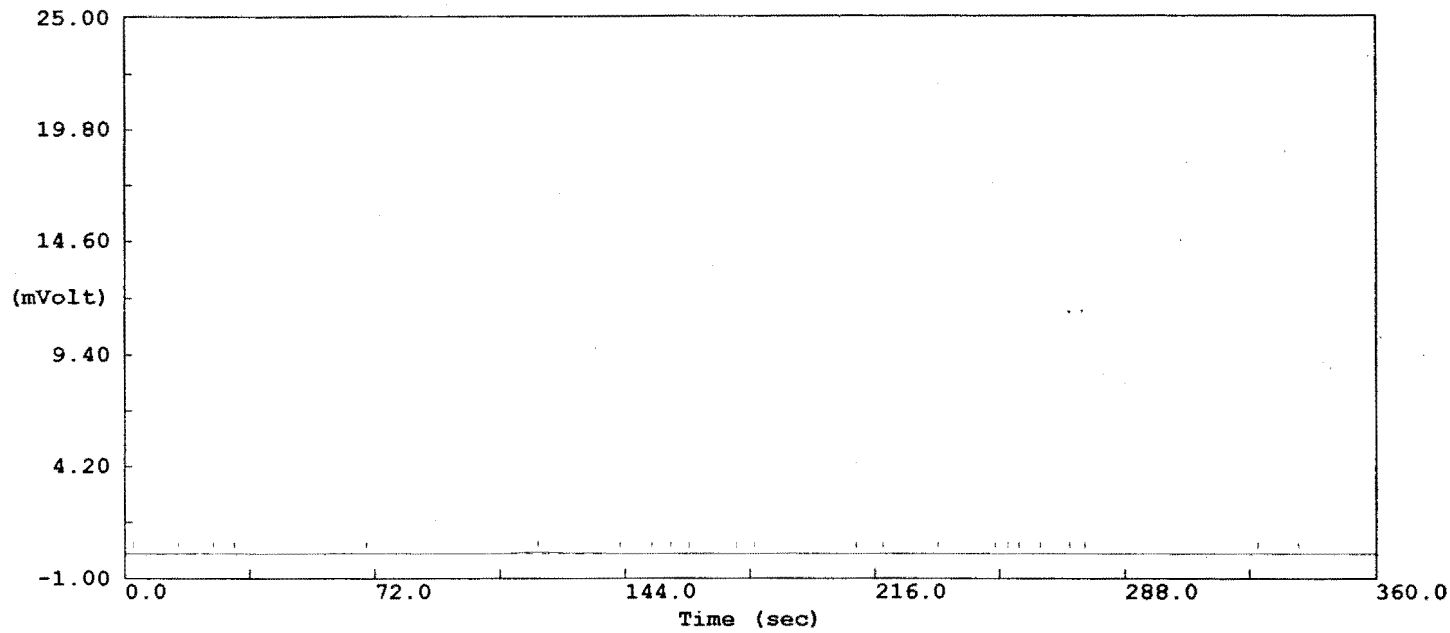
Sample ID	: ACETANILIDE (# 92)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .488
Chromatogram	: C:\EAW\N120692.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	72.8731	115	2678141	TL	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120693.DAT
Sample name :BLANK Analysed :12-06-04 21:27

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1206.MTH
Analysed	: 12-06-04 21:27	Printed	: 12/6/2004 21:33

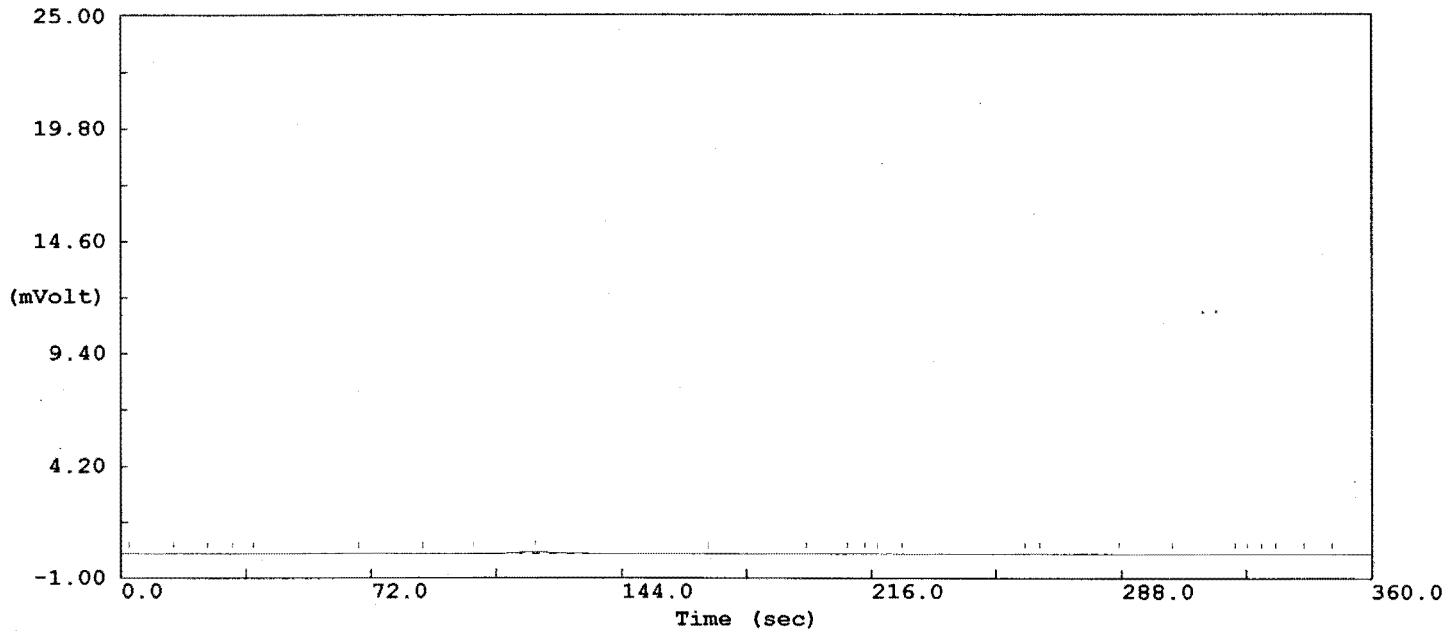
Sample ID	: BLANK (# 93)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N120693.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0045	119	8856	TL	.000000	
Hydrogen	-7.7127981E-01	181	14	RS	.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N120694.DAT
Sample name :BLANK Analysed :12-06-04 21:33

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST Company Name : SEVERN TRENT LAB
Method Name : IN847 Method File : N-C1206.MTH
Analysed : 12-06-04 21:33 Printed : 12/6/2004 21:39

Sample ID : BLANK (# 94) Channel : Channel B
Analysis Type : UnkNown (Area) Sample weight : 30
Chromatogram : C:\EAW\N120694.DAT

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0047	119	9150	RS	1.000000	
Hydrogen	-7.7411920E-01	197	2	RS	.000000	

SEVERN TRENT STL

PARTICLE SIZE

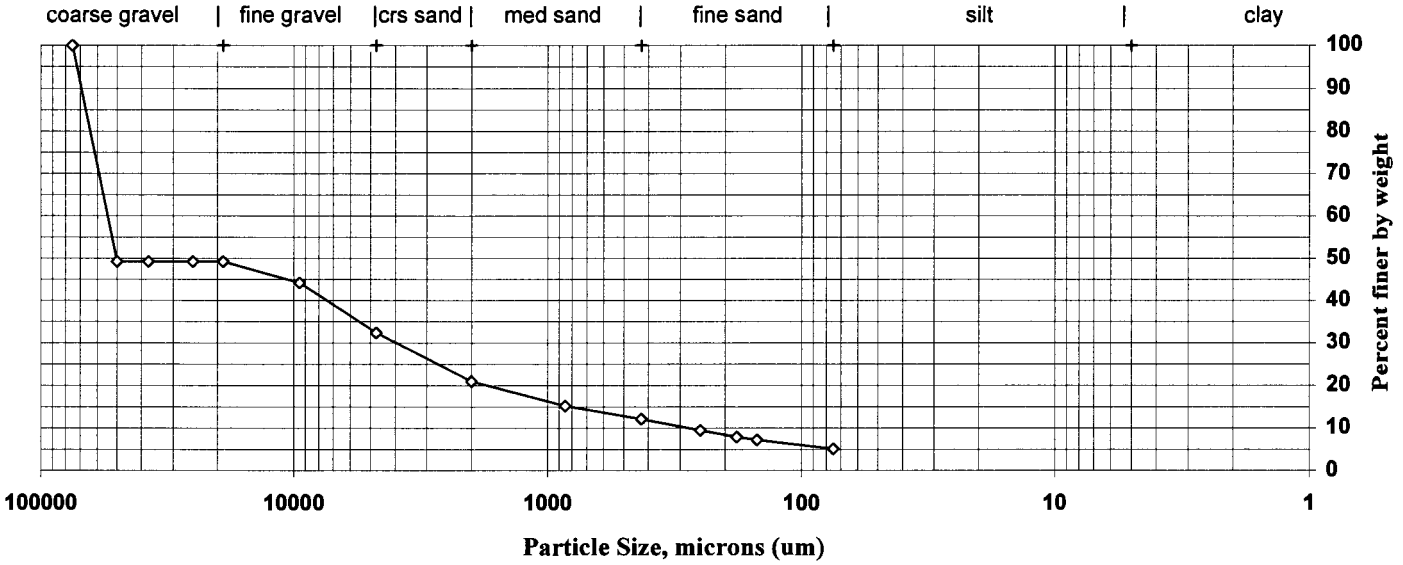
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	STLWAS	**Project No.:**	24028	**ETR(s) #:**	104053
Client Code:	STLWAS	**Job No.:**	N/A	**SDG(s):**	125060
Date Received:	30-Nov-04	**Start Date:**	5-Dec-04	**End Date:**	9-Dec-04

Lab ID: 600223 **Sample ID:** 041123SGA28SS

Percent Solids:	89.9%		**Maximum Particle Size:**	75 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	subangular
Non-soil mass:	N/A		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	49.2	50.8
1.5 inch	37500	49.2	0.0
1 inch	25000	49.2	0.0
3/4 inch	19000	49.2	0.0
3/8 inch	9500	44.2	5.0
#4	4750	32.4	11.9
#10	2000	21.0	11.3
#20	850	15.2	5.8
#40	425	12.1	3.1
#60	250	9.5	2.6
#80	180	7.9	1.6
#100	150	7.2	0.6
#200	75	5.1	2.1
Hydrometer	0.0	0.0	5.1
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	67.6
Sand	27.3
Coarse Sand	11.3
Medium Sand	8.9
Fine Sand	7.0
Fines	5.1

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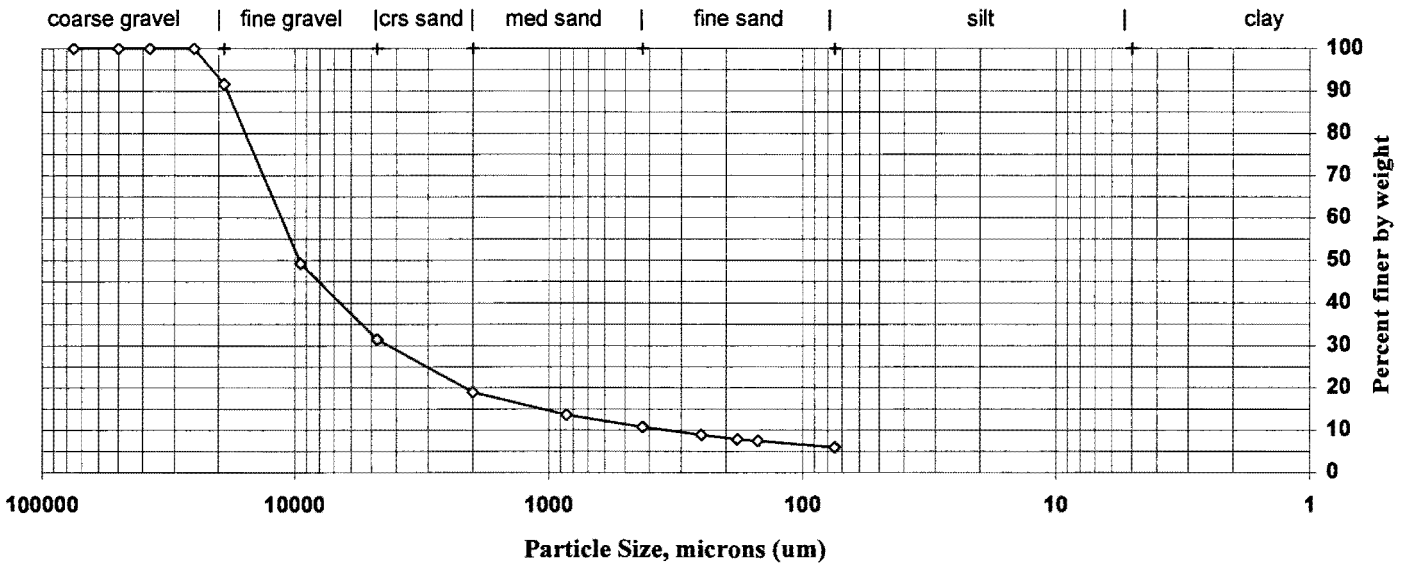
Particle Size of Soils by ASTM D422

Sample preparation method: **D2217**

Client:	STLWAS	**Project No.:**	24028	**ETR(s) #:**	104053
Client Code:	STLWAS	**Job No.:**	N/A	**SDG(s):**	125060
Date Received:	30-Nov-04	**Start Date:**	5-Dec-04	**End Date:**	9-Dec-04

Lab ID: 600224 **Sample ID:** 041123SDA29SS

Percent Solids:	94.5%		**Maximum Particle Size:**	25 mm
Specific Gravity:	2.65	(assumed)	**Shape (> #10):**	angular
Non-soil mass:	N/A		**Hardness (> #10):**	hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	91.6	8.4
3/8 inch	9500	49.3	42.3
#4	4750	31.5	17.8
#10	2000	19.0	12.5
#20	850	13.6	5.4
#40	425	10.8	2.9
#60	250	8.9	1.9
#80	180	7.8	1.1
#100	150	7.4	0.4
#200	75	6.0	1.5
Hydrometer	0.0	0.0	6.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
|	0.0	0.0	0.0
V	0.0	0.0	0.0

Soil Classification	Percent of Total Sample
Gravel	68.5
Sand	25.5
Coarse Sand	12.5
Medium Sand	8.2
Fine Sand	4.8
Fines	6.0

Particle Size Analysis
Hydrometer Data

Set Number	Client:	Project No.:	ETR(s) #:
125060	STLWAS	24028	104053
	Client Code: STLWAS	Job No.: N/A	SDG(s): 125060
	Date Received: 30-Nov-04	Start Date: 5-Dec-04	End Date: 9-Dec-04

Date and Analyst

Percent Solids	Weighed/Mixed	Hydrometer	Large sieves	Non-soil	Small Sieves
MAP 12/7/04	MAP 12/7/04	(Sieve Only)	RPM 12/7/04	RPM 12/9/04	RPM 12/8/04
DMA 12/8/04	RPM 12/7/04		DMA 12/9/04	DMA 12/9/04	DMA 12/9/04

Test number	1	2	3	4	5	6	7	8	9	10	11	12
Lab number	600223	600224										
Time, min. (2)												
Reading												
Temperature, C												
Time, min. (5)												
Reading												
Temperature, C												
Time, min. (15)												
Reading												
Temperature, C												
Time, min. (30)												
Reading												
Temperature, C												
Time, min. (60)												
Reading												
Temperature, C												
Time, min. (250)												
Reading												
Temperature, C												
Time, min. (1440)												
Reading												
Temperature, C												

"Sieve Only" Analysis Requested, Hydrometer test not performed.

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Hydrometer used:	N/A	**Model #:**	N/A	**Manufacturer:**	N/A	**Hydrometer start time:** N/A
Calibrations:	L temp, C	L read	H Temp, C	H read	**Cal. Date:** N/A	**Hydrometer data entered:** N/A
	N/A	N/A	N/A	N/A		

Particle Size Analysis
Hydrometer Data

Set Number: **125060**

Client:	STLWAS	**Project No.:**	24028	**ETR(s) #:**	104053
Client Code:	STLWAS	**Job No.:**	N/A	**SDG(s):**	125060
Date Received:	30-Nov-04	**Start Date:**	05-Dec-04	**End Date:**	12-9-04

Date and Analyst

Percent Solids	Weighed/Mixed	Hydrometer	Large sieves	Non-soil	Small sieves
MAP 12-7-04 DMA 12-8-04.	MAP 12-7-04 RAM 12/7/04	RAM 12/8/04	RAM 12/7/04 DMA 12/9/04	RAM 12/7/04 DMA 12/9/04	DMA for RKM 12/8/04. DMA 12/9/04.

Test number	1	2	3	4	5	6	7	8	9	10	11	12
Lab number											**600223**	**600224**
Time, min. (2)	2	2	2	2	2	2	2	2	2	2	2	2
Reading											~~1.0130~~	RAM 12/8/04
Temperature, C											~~18.5~~	
Time, min. (5)	5	5	5	5	5	5	5	5	5	5	5	5
Reading												
Temperature, C												
Time, min. (15)	15	15	15	15	15	15	15	15	15	15	15	15
Reading												
Temperature, C												
Time, min. (30)	30	30	29	29	31	31	31	32	30	30	30	31
Reading												
Temperature, C												
Time, min. (60)	59	58	58	63	60	59	59	60	63	57	63	57
Reading												
Temperature, C												
Time, min. (250)	256	256	250	250	240	234	265	259	253	247	241	235
Reading												
Temperature, C												
Time, min. (1440)	1440	1440	1434	1434	1424	1418	1412	1406	1400	1394	1388	1382
Reading												
Temperature, C												RAM 12/8/04

Sieve ONLY

47924 0137

Hydrometer used: 723427 **Model #:** ASTM 151H **Manufacturer:** **Hydrometer start time:** 08:50

Calibrations:	L temp, C	L read	H Temp, C	H read
	17.0		23.0	

Cal. Date: 23-Feb-04 **Hydrometer data entered:**

SEVERN TRENT STL

Sample Preparation
And
Equipment Calibration
Information

0138

47925

Particle Size Analysis
Sieve Data

Client:	STLWAS	**ETR(s):**	104053	**Project:**	24028	**Date Rec:** 30-Nov-04	**Start Date:** 5-Dec-04
Client Code:	STLWAS	**SDG(s):**	125060	**Case:**	24028		**End Date:** 9-Dec-04

SET: 125060

Test	1	2	3	4	5	6	7	8	9	10	11	12
Laboratory No	600223	600224										
Sample ID	1123SGA28S	1123SDA29SS										

Dry prep = D421
Wet prep = D2217

Sample Prep Method	D2217	D2217										
Pan, g												
Pan/sample, g	332.69	226.75										
Pan/dry sampl, g												
Non-soil material												
Description	n/a	n/a										
Pan, g												
Pan/dry sampl, g												
Non-soil, g												
Hydroscopic Moisture correction factor (HMCF) for dry prep / Percent Solids for dry and wet prep												
Pan, g	0.93	0.93										
Pan/sample, g	14.05	13.16										
Pan/dry sampl, g	12.73	12.49										
HMCF	100.0%	100.0%										
Sample % Solids	89.9%	94.5%										
Sample used, g	299.22	214.33										

Standard Values

Sieve	Opening, um
3 inch	75000
2 inch	50000
1.5 inch	37500
1 inch	25000
3/4 inch	19000
3/8 inch	9500
#4	4750
#10	2000
#20	850
#40	425
#60	250
#80	180
#100	150
#200	75

Sieve (tares)

Size	Mass, g	
3 inch		
2 inch	436.71	
1.5 inch	468.97	
1 inch	466.90	
3/4 inch	458.39	
3/8 inch	448.25	
#4	443.27	
#10	459.67	
#20	377.47	C
#40	343.49	C
#60	340.36	C
#80	305.85	C
#100	317.20	C
#200	318.27	C

Sieve + Sample Weights

Size	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g	Mass, g
3 inch												
2 inch	588.63											
1.5 inch	0.00											
1 inch	0.00											
3/4 inch	0.00	476.37										
3/8 inch	463.21	539.00										
#4	478.76	481.34										
#10	493.63	486.48										
#20	394.81	388.96										
#40	352.77	349.65										
#60	348.20	344.40										
#80	310.73	308.11										
#100	319.14	318.06										
#200	324.63	321.40										

Maximum Particle size

	75 mm	25 mm										

Description of >#10 particles

Shape	subangular	angular	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Hardness	hard	hard	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Sample Mass Parameters

Pan/sample, g	332.69	226.75										
Mass removed, g	236.33	173.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sample mass, g	62.89	40.72										

47926 0139

SEVERN TRENT STL

SAMPLE HANDLING

From: Origin ID: (253)922-2310
Kim Presley
STL-Seattle
5755 8TH STREET EAST

Tacoma, WA 98424

CLS09140405/06

Ship Date: 29NOV04
Actual Wgt: 47 LB
System#: 5456984/INET2000
Account#: S *********

REF:

Delivery Address Bar Code

SHIP TO: (802)655-1218 BILL RECIPIENT

Sample Receiving
STL Burlington
208 South Park Drive,
Suite 1
Colchester, VT 05446

PRIORITY OVERNIGHT

TUE
Deliver By:
30NOV04

TRK# 7921 4703 4959 FORM 0201

BTV AA

05446 -VT-US

XH BTVA

Shipping Label: Your shipment is complete

1. Use the 'Print' feature from your browser to send this page to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $500, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Jon McEch
11/30/04

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SEVERN TRENT LABORATORIES LOG-IN SHEET - Form DC-1

Lab Name: STL Burlington

Received By (Print or Type Name): Jonathan W. McCracken

Log-in Date: 11/30/04

Received By (Signature):

Case Number:	24028
Sample Delivery Group No.:	125060
ETR Number:	104053
REMARKS:	
1. Custody Seal	Absent*
2. Custody Seal Nos:	NA
3. Chain-of-Custody Records	Present
4. Sample Information Sheets	Absent*
5. Airbill Present	As Airbill
6. Airbill Number(s):	792147034959
7. Sample Tags	Absent*
8. Tag Nos. Listed on COC	N/A
9. Sample Condition:	Intact
10. VOA Vial Bubbles	N/A
11. Does info on the custody records, sample info sheets, sample tags and labels agree?	Yes
12. Date Received at Lab:	11/30/04
13. Time Received at Lab:	0945
14. Cooler Temperature(s):	1 C
SAMPLE TRANSFER:	
Fraction(s):	ALL
Area Number:	Level 4 Storage
Transferred By:	JM2
Transferred On:	11/30/04

CORRESPONDING			
CLIENT SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT ETC.
041123SGA28SS	NA	600223	
041123SGA29SS	NA	600224	
041123SGA31SS	NA	600225	
041123SGA33SS	NA	600226	

12/1/04

** Contact Project Director*

Reviewed By:_____ Date:_____

STL Burlington
COOLER RECEIPT CHECKLIST

Date Received: 11.30.04 **Sample Custodian:** JMR

Time Received: 0945 **ETR/SDG:** 104053/125060

RADIATION SCREEN: <0.05 MR/HR YES NO
If no, stop work and alert the Supervisor and the PM.

CUSTODY SEALS PRESENT: YES NO

If yes, were the custody seals signed? YES NO

If yes, are custody seal numbers present? YES NO

List custody seal numbers: _____

TEMPERATURE CHECK: 1 **(°C)**

Acceptance Criteria (0-6°C) except air samples, which should be shipped at ambient temperature and/or biota/tissue samples, which may be frozen on receipt. The thermal preservation of samples that are hand delivered immediately following collection is considered acceptable if there is evidence that the chilling process has begun.

Thermal Preservation Type: ICE ICE PACK NONE

CONDITION OF SAMPLE CONTAINERS: INTACT BROKEN

If broken, list the client ID for each broken container:

_____

_____

Were any samples received with a short hold time* remaining?
** <7 Days*

WET CHEMISTRY	**YES**	**NO**
METALS	**YES**	**NO**
ORGANIC EXTRACTABLES	**YES**	**NO**
VOLATILE (received unpreserved)	**YES**	**NO**

If yes, expedite sample log in procedure and alert the appropriate Department Manager.

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

TRANSMITTAL MEMORANDUM

DATE: December 30, 2004

TO: Jennifer Ray
URS Corporation
111 SW Columbia, Suite 900
Portland, OR 97201-5814

PROJECT: Bradford Island

REPORT NUMBER: 125082

TOTAL NUMBER OF PAGES: _____

Enclosed are the test results for one sample received at STL Seattle on November 30, 2004.

The report consists of this transmittal memo, analytical results, quality control reports, a copy of the chain-of-custody, a list of data qualifiers and analytical narrative when applicable, and a copy of any requested raw data.

Should there be any questions regarding this report, please contact me at (253) 922-2310.

Sincerely,

Katie Downie
Project Manager

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender immediately at 253-922-2310 and destroy this report immediately.

STL Seattle

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
125082-1	041129SGA15ERW	11-29-04 10:00	Liquid

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SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

ANALYTICAL NARRATIVE

Client: URS Corporation

Date: December 30, 2004

Project: Bradford Island

Lab No.: 125082

Delivered By: Federal Express

Condition of samples upon receipt: Samples were received in good condition. Chain of custody was in order.

Sample Identification:

Lab. No.	Client ID	Date Sampled	Matrix
125082-1	041129SGA15ERW	11-29-04	Liquid

SAMPLE PREPARATION AND ANALYSIS

TOTAL METALS

Sample 125028-1 was analyzed for total aluminum, calcium, cobalt, iron, magnesium, nickel, potassium, sodium and vanadium in accordance with EPA SW-846 Method 6010B, antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, manganese, selenium, silver, thallium and zinc in accordance with EPA SW-846 Method 6020 and mercury in accordance with EPA SW-846 Method 7470A. The sample was digested in accordance with EPA SW-846 Method 3005 and analyzed by Methods 6010B and 6020 on 12-02-04. Sample 125028-1 was digested analyzed for mercury in accordance with EPA SW-846 Method 7470A on 12-02-04. The sample was analyzed within the required holding time.

Bradford Island sample 041119SGA10GW (125010-02) was used as the batch quality control samples for the mercury analysis and sample 041123SGA13BDW (125060-01) was used as the batch quality control sample for the other metals.

Barium, calcium, lead, manganese and zinc were detected in the method blank at levels that were above the method detection limit but below the reporting limit. The values should be considered as estimates, and have been flagged "J". The associated sample results have been flagged "B1" or "B2", as appropriate.

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STL Seattle

ANALYTICAL NARRATIVE

Client: URS Corporation | Date: December 30, 2004

Project: Bradford Island | Lab No.: 125082

TOTAL METALS, cont.
Aluminum, antimony, barium, calcium, copper, manganese, silver and sodium were detected in the sample at levels that were above the method detection limit but below the reporting limit. The values should be considered as estimates, and have been flagged "J".

The relative percent difference between batch quality control sample 125060-1 and its duplicate exceeded the quality control limits for aluminum and silver, due to analyte concentrations neat the reporting limit. The relative percent differences for these analytes have been flagged "X4a".

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the total metals analyses

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender immediately at 253-922-2310 and destroy this report immediately.

STL Seattle

Client Name	URS Corporation
Client ID:	041129SGA15ERW
Lab ID:	125082-01
Date Received:	11/30/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	MDL	Flags
Aluminum	0.0221	0.1	0.00588	J
Calcium	0.0784	1	0.00868	J B1
Cobalt	ND	0.005	0.00077	
Iron	ND	0.1	0.014	
Magnesium	ND	1	0.0123	
Nickel	ND	0.01	0.00037	
Potassium	ND	1	0.0813	
Sodium	0.809	1	0.118	J
Vanadium	ND	0.01	0.000488	

STL Seattle

Client Name	URS Corporation
Client ID:	041129SGA15ERW
Lab ID:	125082-01
Date Received:	11/30/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	MDL	Flags
Arsenic	ND	0.0005	0.000102	
Antimony	0.000064	0.0005	0.0000271	J
Barium	0.000123	0.0005	0.0000245	J B1
Beryllium	ND	0.0005	0.0000782	
Cadmium	ND	0.0005	0.0000247	
Chromium	0.00419	0.0005	0.0000595	
Copper	0.000141	0.001	0.0000625	J
Lead	ND	0.0005	0.000024	
Manganese	0.0007	0.001	0.0000239	J B1
Selenium	0.000697	0.0005	0.000149	
Silver	0.000072	0.0001	0.0000188	J
Thallium	ND	0.0005	0.0000292	
Zinc	0.00281	0.002	0.000108	B1

STL Seattle

Client Name	URS Corporation
Client ID:	041129SGA15ERW
Lab ID:	125082-01
Date Received:	11/30/04
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	MDL	Flags
Mercury	ND	0.0002	0.000053	

000007

STL Seattle

Lab ID:	Method Blank - TP774
Date Received:	-
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte		Result (mg/L)	RL	MDL	Flags
Aluminum	ND		0.1	0.00588	
Calcium		0.009	1	0.00868	J
Cobalt	ND		0.005	0.00077	
Iron	ND		0.1	0.014	
Magnesium	ND		1	0.0123	
Nickel	ND		0.01	0.00037	
Potassium	ND		1	0.0813	
Sodium	ND		1	0.118	
Vanadium	ND		0.01	0.000488	

00008

STL Seattle

Lab ID:	Method Blank - TP774
Date Received:	-
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Metals by ICP-MS - USEPA Method 6020

Analyte		Result (mg/L)	RL	MDL	Flags
Arsenic	ND		0.0005	0.000102	
Antimony	ND		0.0005	0.0000271	
Barium		0.000026	0.0005	0.0000245	J
Beryllium	ND		0.0005	0.0000782	
Cadmium	ND		0.0005	0.0000247	
Chromium	ND		0.0005	0.0000595	
Copper	ND		0.001	0.0000625	
Lead		0.000037	0.0005	0.000024	J
Manganese		0.000349	0.001	0.0000239	J
Selenium	ND		0.0005	0.000149	
Silver	ND		0.0001	0.0000188	
Thallium	ND		0.0005	0.0000292	
Zinc		0.000389	0.002	0.000108	J

00009

STL Seattle

Lab ID:	Method Blank - ZT216
Date Received:	-
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
Dilution Factor	1

Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	MDL	Flags
Mercury	ND	0.0002	0.000053	

STL Seattle

Matrix Spike Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Aluminum	0.012	4	3.91	97	
Calcium	10.1	20	29.1	95	
Cobalt	0	1	0.963	96	
Iron	0	22	21.5	98	
Magnesium	3.6	20	22.6	95	
Nickel	0	1	0.953	95	
Potassium	2.31	20	21.6	96	
Sodium	6.95	20	29.3	112	
Vanadium	0.00284	1	0.993	99	

STL Seattle

Matrix Spike Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Arsenic	0	4	4.19	105	
Antimony	0.000112	3	3.08	103	
Barium	0.0022	4	4.1	103	
Beryllium	0	0.1	0.108	108	
Cadmium	0	0.1	0.103	103	
Chromium	0.00561	0.4	0.426	105	
Copper	0.0398	0.5	0.584	109	
Lead	0.000358	1	1.13	113	
Manganese	0.00095	1	1.14	113	
Selenium	0.00065	4	4.21	105	
Silver	0.000023	0.6	0.607	101	
Thallium	0	4	4.25	106	
Zinc	0.0888	1	1.22	113	

STL Seattle

Matrix Spike Report

Client Sample ID:	041119SGA10GW
Lab ID:	125010-02
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	ZT216

Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Mercury	0	0.002	0.00187	94	

STL Seattle

Duplicate Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Arsenic	0	0	NC	
Antimony	0.00011	0.000097	13.0	
Barium	0.0022	0.0022	0.0	
Beryllium	0	0	NC	
Cadmium	0	0	NC	
Chromium	0.0056	0.005	11.0	
Copper	0.04	0.04	0.0	
Lead	0.00036	0.00034	5.7	
Manganese	0.00095	0.00098	-3.1	
Selenium	0.00065	0.00076	-16.0	
Silver	0.000023	0	200.0	X4a
Thallium	0	0	NC	
Zinc	0.089	0.089	0.0	

STL Seattle

Duplicate Report

Client Sample ID:	041123SGA13BDW
Lab ID:	125060-01
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Aluminum	0.012	0.02	-50.0	x4a
Calcium	10	10	0.0	
Cobalt	0	0	NC	
Iron	0	0	NC	
Magnesium	3.6	3.6	0.0	
Nickel	0	0	NC	
Potassium	2.3	2.3	0.0	
Sodium	7	7.6	-8.2	
Vanadium	0.0028	0.0032	-13.0	

STL Seattle

Duplicate Report

Client Sample ID:	041119SGA10GW
Lab ID:	125010-02
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	ZT216

Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Mercury	0	0	NC	

STL Seattle

Laboratory Control Sample

Lab ID:	RTP774
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	True Value (mg/L)	Lower Limit (mg/L)	Upper Limit (mg/L)	Flag
Arsenic	4.2	4	3.2	4.8	Pass
Antimony	3.1	3	2.4	3.6	Pass
Barium	4.2	4	3.2	4.8	Pass
Beryllium	0.098	0.1	0.08	0.12	Pass
Cadmium	0.11	0.1	0.08	0.12	Pass
Chromium	0.43	0.4	0.32	0.48	Pass
Copper	0.54	0.5	0.4	0.6	Pass
Lead	1.1	1	0.8	1.2	Pass
Manganese	1.1	1	0.8	1.2	Pass
Selenium	4.3	4	3.2	4.8	Pass
Silver	0.62	0.6	0.48	0.72	Pass
Thallium	4.2	4	3.2	4.8	Pass
Zinc	1.1	1	0.8	1.2	Pass

STL Seattle

Laboratory Control Sample

Lab ID:	RTP774
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	TP774

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	True Value (mg/L)	Lower Limit (mg/L)	Upper Limit (mg/L)	Flag
Aluminum	3.8	4	3.2	4.8	Pass
Calcium	19	20	16	24	Pass
Cobalt	0.97	1	0.8	1.2	Pass
Iron	21	22	17.6	26.4	Pass
Magnesium	19	20	16	24	Pass
Nickel	0.97	1	0.8	1.2	Pass
Potassium	19	20	16	24	Pass
Sodium	21	20	16	24	Pass
Vanadium	0.98	1	0.8	1.2	Pass

STL Seattle

Laboratory Control Sample

Lab ID:	RZT216
Date Prepared:	12/2/04
Date Analyzed:	12/2/04
QC Batch ID:	ZT216

Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	True Value (mg/L)	Lower Limit (mg/L)	Upper Limit (mg/L)	Flag
Mercury	0.0019	0.002	0.0016	0.0024	Pass

DATA QUALIFIER DEFINITIONS

000020

SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
Fax: 253 922 5047
www.stl-inc.com

DATA QUALIFIERS AND ABBREVIATIONS

B1: This analyte was detected in the associated method blank. The analyte concentration was determined not to be significantly higher than the associated method blank (less than ten times the concentration reported in the blank).

B2: This analyte was detected in the associated method blank. The analyte concentration in the sample was determined to be significantly higher than the method blank (greater than ten times the concentration reported in the blank).

C1: Second column confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be < 40%.

C2: Second column confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 40%. The higher result was reported unless anomalies were noted.

C3: Second analysis confirmation was performed. The relative percent difference value (RPD) between the results on the two columns was evaluated and determined to be ≤ 30%.

C4: Second analysis confirmation was performed. The RPD between the results on the two columns was evaluated and determined to be > 30%. The original analysis was reported unless anomalies were noted.

M: GC/MS confirmation was performed. The result derived from the original analysis was reported.

D: The reported result for this analyte was calculated based on a secondary dilution factor.

E: The concentration of this analyte exceeded the instrument calibration range and should be considered an estimated quantity.

J: The analyte was analyzed for and positively identified, but the associated numerical value is an estimated quantity.

MCL: Maximum Contaminant Level

MDL: Method Detection Limit

RL: Reporting Limit

N: See analytical narrative

ND: Not Detected

X1: Contaminant does not appear to be "typical" product. Elution pattern suggests it may be _____.

X2: Contaminant does not appear to be "typical" product.

X3: Identification and quantitation of the analyte or surrogate was complicated by matrix interference.

X4: RPD for duplicates was outside advisory QC limits. The sample was re-analyzed with similar results. The sample matrix may be nonhomogeneous.

X4a: RPD for duplicates outside advisory QC limits due to analyte concentration near the method practical quantitation limit/detection limit.

X5: Matrix spike recovery was not determined due to the required dilution.

X6: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Sample was re-analyzed with similar results.

X7: Recovery and/or RPD values for matrix spike(/matrix spike duplicate) outside advisory QC limits. Matrix interference may be indicated based on acceptable blank spike recovery and/or RPD.

X7a: Recovery and/or RPD values for this spiked analyte outside advisory QC limits due to high concentration of the analyte in the original sample.

X8: Surrogate recovery was not determined due to the required dilution.

X9: Surrogate recovery outside advisory QC limits due to matrix interference.

QC ACCEPTANCE LIMITS

STL Seattle - Method QC Limits

Total Metals by ICP - USEPA Method 6010

Record Number : 535
Analysis Method : 6010
Matrix : Water
Preparation Method : 3005 / 3010

Blank Spike Recovery

Aluminum	80 - 120%	=<20% RPD
Calcium	80 - 120%	=<20% RPD
Cobalt	80 - 120%	=<20% RPD
Iron	80 - 120%	=<20% RPD
Magnesium	80 - 120%	=<20% RPD
Nickel	80 - 120%	=<20% RPD
Potassium	80 - 120%	=<20% RPD
Sodium	80 - 120%	=<20% RPD
Vanadium	80 - 120%	=<20% RPD

Duplicate RPD

Aluminum		=<20% RPD
Calcium		=<20% RPD
Cobalt		=<20% RPD
Iron		=<20% RPD
Magnesium		=<20% RPD
Nickel		=<20% RPD
Potassium		=<20% RPD
Sodium		=<20% RPD
Vanadium		=<20% RPD

Matrix Spike Recovery

Aluminum	75 - 125%	=<20% RPD
Calcium	75 - 125%	
Cobalt	75 - 125%	=<20% RPD
Iron	75 - 125%	=<20% RPD
Magnesium	75 - 125%	
Nickel	75 - 125%	=<20% RPD
Potassium	75 - 125%	
Sodium	75 - 125%	
Vanadium	75 - 125%	=<20% RPD

Mercury by CVAA - USEPA Method 7470

Record Number : 551
Analysis Method : 7470
Matrix : Water

Blank Spike Recovery

Mercury	75 - 125%	

Duplicate RPD

Mercury		=<20% RPD

Matrix Spike Recovery

Mercury	75 - 125%	

Total Metals by ICP-MS - USEPA Method 6020

Record Number : 546
Analysis Method : 6020
Matrix : Water
Preparation Method : 3005 / 3010

Blank Spike Recovery

Antimony	80 - 120%
Arsenic	80 - 120%
Barium	80 - 120%
Beryllium	80 - 120%
Cadmium	80 - 120%
Chromium	80 - 120%
Copper	80 - 120%
Lead	80 - 120%
Manganese	80 - 120%
Selenium	80 - 120%
Silver	80 - 120%
Thallium	80 - 120%
Zinc	80 - 120%

Duplicate RPD

Antimony	=<20% RPD
Arsenic	=<20% RPD
Barium	=<20% RPD
Beryllium	=<20% RPD
Cadmium	=<20% RPD
Chromium	=<20% RPD
Copper	=<20% RPD
Lead	=<20% RPD
Manganese	=<20% RPD
Selenium	=<20% RPD
Silver	=<20% RPD
Thallium	=<20% RPD
Zinc	=<20% RPD

Matrix Spike Recovery

Antimony	75 - 125%
Arsenic	75 - 125%
Barium	75 - 125%
Beryllium	75 - 125%
Cadmium	75 - 125%
Chromium	75 - 125%
Copper	75 - 125%
Lead	75 - 125%
Manganese	75 - 125%
Selenium	75 - 125%
Silver	75 - 125%
Thallium	75 - 125%
Zinc	75 - 125%

CHAIN OF CUSTODY

Chain of Custody Record

STL Seattle
5755 8th Street E.
Tacoma, WA 98424
Tel. 253-922-2310
Fax 253-922-5047
www.stl-inc.com

SEVERN TRENT STL

Client	Project Manager	Date	Chain of Custody Number
URS	Brian McNamara	11-29-4	13930
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
111 SW Columbia Ste 1500	503 222 7200 / 503.222.4292	12508 2	

City	State	Zip Code	Site Contact	Lab Contact
Portland	OR	97201	BM McNamara	K. Downie

Project Name and Location (State): Bradford Island

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 25695767

Sample I.D. and Location/Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Metals	Special Instructions/ Conditions of Receipt
041129SGA ~~TA~~ ERW	11-29-4	1000		X					1				X	
15 BM 11-29-4														
47956														

Cooler: ☐ Yes ☐ No Cooler Temp:_____

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

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

Turn Around Time Required (business days): ☐ 24 Hours ☐ 48 Hours ☐ 5 Days ☐ 10 Days ☐ 15 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: BM	11-29-4	1300	1. Received By: [signature]	11/30/04	10 30
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

92000 CAUTION: WHITE – Stays with the Samples; CANARY – Returned to Client with Report; PINK – Field Copy

STL8274-580 (12/02)

Cooler ID No: _____ SYE WORK ORDER NO: _____

COOLER RECEIPT FORM

PROJECT Bradford Island

COOLER RECEIVED ON 11/30 AND OPENED ON 11/30 BY KR

(SIGNATURE)

TEMPERATURE UPON RECEIPT: COOLER 5.2 oC
TEMP. BLANK NA oC

1. Were custody seals on outside of cooler and intact? YES NO
   a. If YES, how many and where: 1 front
   b. Were signature and date correct? YES NO
2. Were custody papers taped to lid inside cooler? YES NO
3. Were custody papers properly filled out (ink, signed, etc)? YES NO
4. Did you sign custody papers in the appropriate place? YES NO
5. Did you attach shipper's packing slip to this form? YES NO
6. What kind of packing material was used? Ice Packs
7. Was sufficient ice used (if appropriate)? YES NO
8. Were all bottles sealed in separate plastic bags? YES NO
9. Did all bottles arrive in good condition (unbroken)? YES NO
10. Were all bottle labels complete (no., date, signed, pres, etc)? YES NO
11. Did all bottle labels and tags agree with custody papers? YES NO
12. Were correct bottles used for the test indicated? YES NO
13. If present, were VOA vials checked for absence of air bubbles and noted if found? YES NO
14. Adequate volume of VOA vials received per sample? YES NO
15. Was sufficient amount of sample sent in each bottle? YES NO
16. Were correct preservatives used? YES NO
17. Were extra labels added to pre-tared containers? YES NO
18. Corrective action taken, if necessary:
    a. Name of person contacted: _____
    b. Date: _____

DATA DELIVERABLES PACKAGE

00028

TOTAL METALS DATA PACKAGE

SAMPLE DATA

00030

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/2/04 8:33:47 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:19 AM,

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Lu 261.542	562561.0	6025.97	1.07%	100.00	%
Sc 361.383	1119881.4	15768.34	1.41%	100.0	%
As 188.979†	-7.3	1.24	16.93%	[0.00]	mg/L
Cr 267.716†	-149.1	59.38	39.83%	[0.00]	mg/L
Cu 327.393†	-7772.7	69.55	0.89%	[0.00]	mg/L
Ni 231.604†	-22.2	3.29	14.80%	[0.00]	mg/L
Zn 206.200†	-16.6	5.30	31.86%	[0.00]	mg/L
Co 228.616†	-44.3	2.05	4.62%	[0.00]	mg/L
V 292.402†	643.0	22.30	3.47%	[0.00]	mg/L
K 766.490†	8.9	0.59	6.68%	[0.00]	mg/L
Na 330.237	3422.7	195.67	5.72%	[0.00]	mg/L
Al 308.215†	3172.9	56.21	1.77%	[0.00]	mg/L
Fe 273.955†	-95.6	55.13	57.64%	[0.00]	mg/L
Ca 315.887†	162.4	6.20	3.82%	[0.00]	mg/L
Mg 279.077†	-17.0	3.73	21.96%	[0.00]	mg/L
Mo 202.031†	0.6	5.24	843.29%	[0.00]	mg/L

Sequence No.: 2
Sample ID: High Standard
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 12/2/04 8:39:48 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:20 AM,

Mean Data: High Standard

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Lu 261.542	567787.7	5776.43	1.02%	100.9	%
Sc 361.383	1139756.8	9596.31	0.84%	101.8	%
As 188.979†	1571.8	12.42	0.79%	[2.00]	mg/L
Cr 267.716†	124749.3	1561.06	1.25%	[2.00]	mg/L
Cu 327.393†	182975.2	2617.04	1.43%	[2.00]	mg/L
Ni 231.604†	51582.6	820.52	1.59%	[2.00]	mg/L
Zn 206.200†	37962.7	398.96	1.05%	[2.00]	mg/L
Co 228.616†	65260.3	885.86	1.36%	[2.00]	mg/L
V 292.402†	204039.5	2434.38	1.19%	[2.00]	mg/L
K 766.490†	708.5	9.04	1.28%	[20.0]	mg/L
Na 330.237	11247.1	281.25	2.50%	[20.0]	mg/L
Al 308.215†	210349.5	2861.96	1.36%	[20.0]	mg/L
Fe 273.955†	295131.7	3345.98	1.13%	[20.0]	mg/L
Ca 315.887†	23838.1	388.48	1.63%	[20.0]	mg/L
Mg 279.077†	6454.9	87.08	1.35%	[20.0]	mg/L
Mo 202.031†	12194.0	69.21	0.57%	[2.00]	mg/L

Sequence No.: 3
Sample ID: ICV
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 12/2/04 8:55:50 AM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:09:21 AM,

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	591608.7	105.2	%	1.35				1.28%
Sc 361.383	1184031.3	105.7	%	1.25				1.18%
As 188.979†	1504.0	1.914	mg/L	0.0206	1.914	mg/L	0.0206	1.08%

```
   QC value within limits for As 188.979  Recovery = 95.68%
Cr 267.716†            6036.8      0.0968 mg/L       0.00118      0.0968 mg/L       0.00118   1.22%
   QC value within limits for Cr 267.716  Recovery = 96.78%
Cu 327.393†           18948.1      0.2071 mg/L       0.00391      0.2071 mg/L       0.00391   1.89%
   QC value within limits for Cu 327.393  Recovery = 103.56%
Ni 231.604†           10789.6      0.4183 mg/L       0.00464      0.4183 mg/L       0.00464   1.11%
   QC value within limits for Ni 231.604  Recovery = 104.59%
Zn 206.200†            3935.0      0.2073 mg/L       0.00192      0.2073 mg/L       0.00192   0.93%
   QC value within limits for Zn 206.200  Recovery = 103.65%
Co 228.616†           16830.9      0.5158 mg/L       0.00518      0.5158 mg/L       0.00518   1.00%
   QC value within limits for Co 228.616  Recovery = 103.16%
V 292.402†            51508.9      0.5049 mg/L       0.00763      0.5049 mg/L       0.00763   1.51%
   QC value within limits for V 292.402  Recovery = 100.98%
K 766.490†              355.0       10.02 mg/L         0.142       10.02 mg/L         0.142   1.42%
   QC value within limits for K 766.490  Recovery = 100.22%
Na 330.237             2807.2      4.992 mg/L        0.3687      4.992 mg/L        0.3687   7.39%
   QC value within limits for Na 330.237  Recovery = 99.84%
Al 308.215†           21012.1      1.998 mg/L        0.0302      1.998 mg/L        0.0302   1.51%
   QC value within limits for Al 308.215  Recovery = 99.89%
Fe 273.955†           15195.2      1.030 mg/L        0.0116      1.030 mg/L        0.0116   1.13%
   QC value within limits for Fe 273.955  Recovery = 102.97%
Ca 315.887†            5955.4      4.997 mg/L        0.1578      4.997 mg/L        0.1578   3.16%
   QC value within limits for Ca 315.887  Recovery = 99.93%
Mg 279.077†            1607.4      4.980 mg/L        0.0668      4.980 mg/L        0.0668   1.34%
   QC value within limits for Mg 279.077  Recovery = 99.61%
Mo 202.031†            3030.1      0.4970 mg/L       0.00536      0.4970 mg/L       0.00536   1.08%
   QC value within limits for Mo 202.031  Recovery = 99.40%
All analytes passed QC.
```

Sequence No.: 4 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 12/2/04 9:01:21 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:09:22 AM,**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	599188.6	106.5	%	3.41				3.20%
Sc 361.383	1199588.5	107.1	%	3.49				3.26%
As 188.979†	3.4	0.0044	mg/L	0.00219	0.0044	mg/L	0.00219	50.29%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	26.5	0.0004	mg/L	0.00060	0.0004	mg/L	0.00060	141.40%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-45.8	-0.0005	mg/L	0.00076	-0.0005	mg/L	0.00076	151.28%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	9.3	0.0004	mg/L	0.00039	0.0004	mg/L	0.00039	109.54%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	7.8	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	17.93%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Co 228.616†	-5.3	-0.0002	mg/L	0.00023	-0.0002	mg/L	0.00023	145.48%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	-61.3	-0.0006	mg/L	0.00061	-0.0006	mg/L	0.00061	101.25%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	1.6	0.0458	mg/L	0.03146	0.0458	mg/L	0.03146	68.65%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	-127.9	-0.2273	mg/L	0.25320	-0.2273	mg/L	0.25320	111.37%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-181.0	-0.0172	mg/L	0.00676	-0.0172	mg/L	0.00676	39.27%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	21.9	0.0015	mg/L	0.00178	0.0015	mg/L	0.00178	119.99%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	-11.7	-0.0098	mg/L	0.00652	-0.0098	mg/L	0.00652	66.59%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	2.3	0.0071	mg/L	0.00494	0.0071	mg/L	0.00494	69.61%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mo 202.031†	22.7	0.0037	mg/L	0.00085	0.0037	mg/L	0.00085	22.95%
QC value within limits for Mo 202.031 Recovery = Not calculated								

All analytes passed QC.

Sequence No.: 5 **Autosampler Location: 4**
Sample ID: RL-STD **Date Collected: 12/2/04 9:16:43 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:09:24 AM,**

Mean Data: RL-STD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	604959.9	107.5	%	2.22				2.06%
Sc 361.383	1211465.6	108.2	%	2.26				2.09%
As 188.979†	8.0	0.0102	mg/L	0.00622	0.0102	mg/L	0.00622	60.94%
QC value within limits for As 188.979 Recovery = 102.08%								
Cr 267.716†	645.9	0.0104	mg/L	0.00039	0.0104	mg/L	0.00039	3.72%
QC value within limits for Cr 267.716 Recovery = 103.55%								
Cu 327.393†	813.3	0.0089	mg/L	0.00115	0.0089	mg/L	0.00115	12.94%
QC value within limits for Cu 327.393 Recovery = 88.90%								
Ni 231.604†	277.7	0.0108	mg/L	0.00057	0.0108	mg/L	0.00057	5.25%
QC value within limits for Ni 231.604 Recovery = 107.69%								
Zn 206.200†	205.2	0.0108	mg/L	0.00044	0.0108	mg/L	0.00044	4.08%
QC value within limits for Zn 206.200 Recovery = 108.11%								
Co 228.616†	336.4	0.0103	mg/L	0.00032	0.0103	mg/L	0.00032	3.13%
QC value within limits for Co 228.616 Recovery = 103.09%								
V 292.402†	914.3	0.0090	mg/L	0.00044	0.0090	mg/L	0.00044	4.96%
QC value within limits for V 292.402 Recovery = 89.62%								
K 766.490†	35.3	0.9975	mg/L	0.03600	0.9975	mg/L	0.03600	3.61%
QC value within limits for K 766.490 Recovery = 99.75%								
Na 330.237	551.9	0.9814	mg/L	0.46366	0.9814	mg/L	0.46366	47.24%
QC value within limits for Na 330.237 Recovery = 98.14%								
Al 308.215†	9867.9	0.9382	mg/L	0.00772	0.9382	mg/L	0.00772	0.82%
QC value within limits for Al 308.215 Recovery = 93.82%								
Fe 273.955†	14359.4	0.9731	mg/L	0.00251	0.9731	mg/L	0.00251	0.26%
QC value within limits for Fe 273.955 Recovery = 97.31%								
Ca 315.887†	1111.0	0.9321	mg/L	0.03133	0.9321	mg/L	0.03133	3.36%
QC value within limits for Ca 315.887 Recovery = 93.21%								
Mg 279.077†	302.8	0.9381	mg/L	0.04019	0.9381	mg/L	0.04019	4.28%
QC value within limits for Mg 279.077 Recovery = 93.81%								
Mo 202.031†	55.2	0.0091	mg/L	0.00032	0.0091	mg/L	0.00032	3.57%
QC value within limits for Mo 202.031 Recovery = 90.61%								

All analytes passed QC.

Sequence No.: 6 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 12/2/04 9:26:39 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:09:25 AM,**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	575434.9	102.3	%	4.75				4.65%
Sc 361.383	1152335.9	102.9	%	6.56				6.38%
As 188.979†	10.4	0.0132	mg/L	0.00358	0.0132	mg/L	0.00358	27.14%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	122.6	0.0020	mg/L	0.00006	0.0020	mg/L	0.00006	3.00%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-2037.2	-0.0223	mg/L	0.00304	-0.0223	mg/L	0.00304	13.63%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	-66.5	-0.0026	mg/L	0.00054	-0.0026	mg/L	0.00054	20.91%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	251.2	0.0132	mg/L	0.00040	0.0132	mg/L	0.00040	3.02%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Co 228.616†	-38.8	-0.0012	mg/L	0.00087	-0.0012	mg/L	0.00087	73.50%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	188.9	0.0019	mg/L	0.00053	0.0019	mg/L	0.00053	28.52%
QC value within limits for V 292.402 Recovery = Not calculated								

K 766.490†	6.3	0.1782 mg/L	0.04148	0.1782 mg/L	0.04148	23.28%
QC value within limits for K 766.490 Recovery = Not calculated						
Na 330.237	68046.4	121.0 mg/L	9.45	121.0 mg/L	9.45	7.81%
QC value within limits for Na 330.237 Recovery = 121.00%						
Al 308.215†	1234296.2	117.4 mg/L	4.20	117.4 mg/L	4.20	3.58%
QC value within limits for Al 308.215 Recovery = 97.80%						
Fe 273.955†	6629535.8	449.3 mg/L	1.16	449.3 mg/L	1.16	0.26%
QC value within limits for Fe 273.955 Recovery = 89.85%						
Ca 315.887†	692520.6	581.0 mg/L	22.93	581.0 mg/L	22.93	3.95%
QC value within limits for Ca 315.887 Recovery = 96.84%						
Mg 279.077†	90988.9	281.9 mg/L	11.72	281.9 mg/L	11.72	4.16%
QC value within limits for Mg 279.077 Recovery = 93.97%						
Mo 202.031†	70.6	0.0116 mg/L	0.00071	0.0116 mg/L	0.00071	6.12%
QC value within limits for Mo 202.031 Recovery = Not calculated						

All analytes passed QC.

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Sequence No.: 7 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 12/2/04 9:32:22 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:09:27 AM,**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	575827.5	102.4	%	4.18				4.08%
Sc 361.383	1127184.0	100.7	%	3.85				3.82%
As 188.979†	7651.0	9.735	mg/L	0.3711	9.735	mg/L	0.3711	3.81%
QC value within limits for As 188.979 Recovery = 97.35%								
Cr 267.716†	174751.0	2.802	mg/L	0.1112	2.802	mg/L	0.1112	3.97%
QC value within limits for Cr 267.716 Recovery = 93.39%								
Cu 327.393†	260875.5	2.851	mg/L	0.1249	2.851	mg/L	0.1249	4.38%
QC value within limits for Cu 327.393 Recovery = 95.05%								
Ni 231.604†	67950.7	2.635	mg/L	0.1101	2.635	mg/L	0.1101	4.18%
QC value within limits for Ni 231.604 Recovery = 87.82%								
Zn 206.200†	50194.3	2.644	mg/L	0.1081	2.644	mg/L	0.1081	4.09%
QC value within limits for Zn 206.200 Recovery = 88.15%								
Co 228.616†	87360.0	2.677	mg/L	0.1092	2.677	mg/L	0.1092	4.08%
QC value within limits for Co 228.616 Recovery = 89.24%								
V 292.402†	301193.6	2.952	mg/L	0.1206	2.952	mg/L	0.1206	4.09%
QC value within limits for V 292.402 Recovery = 98.41%								
K 766.490†	7487.1	211.4	mg/L	9.52	211.4	mg/L	9.52	4.50%
QC value within limits for K 766.490 Recovery = 105.68%								
Na 330.237	61943.1	110.1	mg/L	4.92	110.1	mg/L	4.92	4.46%
QC value within limits for Na 330.237 Recovery = 110.15%								
Al 308.215†	1208904.5	114.9	mg/L	4.81	114.9	mg/L	4.81	4.18%
QC value within limits for Al 308.215 Recovery = 95.79%								
Fe 273.955†	6532713.3	442.7	mg/L	1.65	442.7	mg/L	1.65	0.37%
QC value within limits for Fe 273.955 Recovery = 88.54%								
Ca 315.887†	650806.1	546.0	mg/L	28.58	546.0	mg/L	28.58	5.23%
QC value within limits for Ca 315.887 Recovery = 91.00%								
Mg 279.077†	85905.3	266.2	mg/L	13.86	266.2	mg/L	13.86	5.21%
QC value within limits for Mg 279.077 Recovery = 88.72%								
Mo 202.031†	18085.7	2.966	mg/L	0.1215	2.966	mg/L	0.1215	4.09%
QC value within limits for Mo 202.031 Recovery = 98.88%								

All analytes passed QC.

Reprocessing Begun
Logged In Analyst: Seattle_inst_Metals Technique: ICP Continuous

Results Data Set (original): 120204
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): tp774
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 5
Sample ID: CCV Date Collected: 12/2/04 3:04:45 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 8:11:19 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	620390.4	101.8	%	2.01				1.98%
Sc 361.383	1242379.6	102.0	%	1.88				1.84%
As 188.979†	773.1	0.9934	mg/L	0.02138	0.9934	mg/L	0.02138	2.15%
QC value within limits for As 188.979 Recovery = 99.34%								
Cr 267.716†	61364.7	0.9911	mg/L	0.01402	0.9911	mg/L	0.01402	1.41%
QC value within limits for Cr 267.716 Recovery = 99.11%								
Cu 327.393†	88473.5	0.9888	mg/L	0.01321	0.9888	mg/L	0.01321	1.34%
QC value within limits for Cu 327.393 Recovery = 98.88%								
Ni 231.604†	25598.0	0.9988	mg/L	0.01533	0.9988	mg/L	0.01533	1.54%
QC value within limits for Ni 231.604 Recovery = 99.88%								
Zn 206.200†	18831.4	0.9921	mg/L	0.01895	0.9921	mg/L	0.01895	1.91%
QC value within limits for Zn 206.200 Recovery = 99.21%								
Co 228.616†	32501.8	1.002	mg/L	0.0158	1.002	mg/L	0.0158	1.58%
QC value within limits for Co 228.616 Recovery = 100.23%								
V 292.402†	99359.5	0.9828	mg/L	0.00976	0.9828	mg/L	0.00976	0.99%
QC value within limits for V 292.402 Recovery = 98.28%								
K 766.490†	354.5	10.08	mg/L	0.215	10.08	mg/L	0.215	2.14%
QC value within limits for K 766.490 Recovery = 100.80%								
Na 330.237†	4985.3	9.102	mg/L	0.1612	9.102	mg/L	0.1612	1.77%
QC value within limits for Na 330.237 Recovery = 91.02%								
Al 308.215†	103042.1	9.867	mg/L	0.1542	9.867	mg/L	0.1542	1.56%
QC value within limits for Al 308.215 Recovery = 98.67%								
Fe 273.955†	145428.7	9.939	mg/L	0.0999	9.939	mg/L	0.0999	1.00%
QC value within limits for Fe 273.955 Recovery = 99.39%								
Ca 315.887†	11820.2	9.999	mg/L	0.1101	9.999	mg/L	0.1101	1.10%
QC value within limits for Ca 315.887 Recovery = 99.99%								
Mg 279.077†	3218.8	10.14	mg/L	0.077	10.14	mg/L	0.077	0.76%
QC value within limits for Mg 279.077 Recovery = 101.37%								

All analytes passed QC.

Sequence No.: 2 Autosampler Location: 6
Sample ID: CCB Date Collected: 12/2/04 3:10:19 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 8:12:01 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	612322.7	100.5	%	0.27				0.26%
Sc 361.383	1225108.1	100.6	%	0.30				0.30%
As 188.979†	1.5	0.0020	mg/L	0.00325	0.0020	mg/L	0.00325	164.82%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	16.8	0.0003	mg/L	0.00030	0.0003	mg/L	0.00030	110.76%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	260.7	0.0029	mg/L	0.00449	0.0029	mg/L	0.00449	153.94%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	10.1	0.0004	mg/L	0.00034	0.0004	mg/L	0.00034	86.53%

QC value within limits for Ni 231.604 Recovery = Not calculated

Zn 206.200†	67.3	0.0035 mg/L	0.00021	0.0035 mg/L	0.00021	6.00%

QC value within limits for Zn 206.200 Recovery = Not calculated

Co 228.616†	10.4	0.0003 mg/L	0.00023	0.0003 mg/L	0.00023	72.18%

QC value within limits for Co 228.616 Recovery = Not calculated

V 292.402†	-16.4	-0.0002 mg/L	0.00025	-0.0002 mg/L	0.00025	157.21%

QC value within limits for V 292.402 Recovery = Not calculated

K 766.490†	-0.9	-0.0250 mg/L	0.01913	-0.0250 mg/L	0.01913	76.38%

QC value within limits for K 766.490 Recovery = Not calculated

Na 330.237†	-191.8	-0.3502 mg/L	0.49268	-0.3502 mg/L	0.49268	140.68%

QC value within limits for Na 330.237 Recovery = Not calculated

Al 308.215†	-78.0	-0.0075 mg/L	0.00282	-0.0075 mg/L	0.00282	37.75%

QC value within limits for Al 308.215 Recovery = Not calculated

Fe 273.955†	88.3	0.0060 mg/L	0.00023	0.0060 mg/L	0.00023	3.82%

QC value within limits for Fe 273.955 Recovery = Not calculated

Ca 315.887†	14.0	0.0118 mg/L	0.00287	0.0118 mg/L	0.00287	24.28%

QC value within limits for Ca 315.887 Recovery = Not calculated

Mg 279.077†	1.1	0.0035 mg/L	0.01175	0.0035 mg/L	0.01175	335.46%

QC value within limits for Mg 279.077 Recovery = Not calculated

All analytes passed QC.

Sequence No.: 3 **Autosampler Location: 56**
Sample ID: mb tp774 **Date Collected: 12/2/04 3:15:34 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:03 AM,**

Mean Data: mb tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	614748.0	100.9	%	0.27				0.27%
Sc 361.383	1229350.8	100.9	%	0.22				0.22%
As 188.979†	-0.0	0.0000	mg/L	0.00269	0.0000	mg/L	0.00269	>999.9%
Cr 267.716†	50.2	0.0008	mg/L	0.00075	0.0008	mg/L	0.00075	93.19%
Cu 327.393†	156.1	0.0017	mg/L	0.00043	0.0017	mg/L	0.00043	24.59%
Ni 231.604†	2.8	0.0001	mg/L	0.00044	0.0001	mg/L	0.00044	394.37%
Zn 206.200†	30.3	0.0016	mg/L	0.00006	0.0016	mg/L	0.00006	3.81%
Co 228.616†	-4.3	-0.0001	mg/L	0.00027	-0.0001	mg/L	0.00027	200.18%
V 292.402†	-49.6	-0.0005	mg/L	0.00063	-0.0005	mg/L	0.00063	129.19%
K 766.490†	0.8	0.0241	mg/L	0.08128	0.0241	mg/L	0.08128	336.71%
Na 330.237†	-2.8	-0.0050	mg/L	0.15858	-0.0050	mg/L	0.15858	>999.9%
Al 308.215†	13.8	0.0013	mg/L	0.00799	0.0013	mg/L	0.00799	606.74%
Fe 273.955†	-23.8	-0.0016	mg/L	0.00268	-0.0016	mg/L	0.00268	164.61%
Ca 315.887†	10.6	0.0090	mg/L	0.00506	0.0090	mg/L	0.00506	56.26%
Mg 279.077†	-0.9	-0.0027	mg/L	0.01194	-0.0027	mg/L	0.01194	435.56%

Sequence No.: 4 **Autosampler Location: 57**
Sample ID: 125060-1-1/5 **Date Collected: 12/2/04 3:20:38 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:05 AM,**

Mean Data: 125060-1-1/5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	601709.6	98.73	%	0.998				1.01%
Sc 361.383	1203408.7	98.80	%	1.033				1.05%
As 188.979†	1.5	0.0020	mg/L	0.00128	0.0020	mg/L	0.00128	65.55%
Cr 267.716†	221.1	0.0036	mg/L	0.00058	0.0036	mg/L	0.00058	16.30%
Cu 327.393†	1233.0	0.0138	mg/L	0.00045	0.0138	mg/L	0.00045	3.29%
Ni 231.604†	43.1	0.0017	mg/L	0.00023	0.0017	mg/L	0.00023	13.43%
Zn 206.200†	696.8	0.0367	mg/L	0.00183	0.0367	mg/L	0.00183	5.00%
Co 228.616†	-10.4	-0.0003	mg/L	0.00028	-0.0003	mg/L	0.00028	88.24%
V 292.402†	27.9	0.0003	mg/L	0.00064	0.0003	mg/L	0.00064	232.11%
K 766.490†	16.5	0.4681	mg/L	0.07093	0.4681	mg/L	0.07093	15.15%
Na 330.237†	639.3	1.167	mg/L	0.2618	1.167	mg/L	0.2618	22.43%
Al 308.215†	49.9	0.0048	mg/L	0.00367	0.0048	mg/L	0.00367	76.69%

Fe 273.955†	1073.6	0.0734 mg/L	0.00192	0.0734 mg/L	0.00192	2.62%
Ca 315.887†	2388.2	2.020 mg/L	0.0324	2.020 mg/L	0.0324	1.60%
Mg 279.077†	264.6	0.8334 mg/L	0.00913	0.8334 mg/L	0.00913	1.10%

Sequence No.: 5 **Autosampler Location: 58**
Sample ID: 125060-1 **Date Collected: 12/2/04 3:25:50 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:07 AM,**

Mean Data: 125060-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	570619.8	93.63	%	1.540				1.64%
Sc 361.383	1141218.4	93.70	%	1.495				1.60%
As 188.979†	-0.1	-0.0001	mg/L	0.00635	-0.0001	mg/L	0.00635	>999.9%
Cr 267.716†	22.2	0.0004	mg/L	0.00018	0.0004	mg/L	0.00018	49.99%
Cu 327.393†	4711.1	0.0527	mg/L	0.00358	0.0527	mg/L	0.00358	6.80%
Ni 231.604†	-5.7	-0.0002	mg/L	0.00021	-0.0002	mg/L	0.00021	94.05%
Zn 206.200†	2418.6	0.1274	mg/L	0.00368	0.1274	mg/L	0.00368	2.89%
Co 228.616†	0.3	0.0000	mg/L	0.00034	0.0000	mg/L	0.00034	>999.9%
V 292.402†	286.9	0.0028	mg/L	0.00042	0.0028	mg/L	0.00042	14.68%
K 766.490†	81.1	2.305	mg/L	0.0643	2.305	mg/L	0.0643	2.79%
Na 330.237†	3807.1	6.951	mg/L	0.2998	6.951	mg/L	0.2998	4.31%
Al 308.215†	125.7	0.0120	mg/L	0.00394	0.0120	mg/L	0.00394	32.71%
Fe 273.955†	130.8	0.0089	mg/L	0.00061	0.0089	mg/L	0.00061	6.82%
Ca 315.887†	11925.7	10.09	mg/L	0.191	10.09	mg/L	0.191	1.89%
Mg 279.077†	1143.5	3.601	mg/L	0.0873	3.601	mg/L	0.0873	2.42%

Sequence No.: 6 **Autosampler Location: 59**
Sample ID: 125060-1d **Date Collected: 12/2/04 3:32:22 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:08 AM,**

Mean Data: 125060-1d

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	559779.9	91.85	%	0.350				0.38%
Sc 361.383	1121594.7	92.09	%	0.340				0.37%
As 188.979†	1.9	0.0024	mg/L	0.00165	0.0024	mg/L	0.00165	68.22%
Cr 267.716†	44.6	0.0007	mg/L	0.00054	0.0007	mg/L	0.00054	75.45%
Cu 327.393†	4069.4	0.0455	mg/L	0.00143	0.0455	mg/L	0.00143	3.15%
Ni 231.604†	4.7	0.0002	mg/L	0.00021	0.0002	mg/L	0.00021	113.14%
Zn 206.200†	2111.5	0.1112	mg/L	0.00083	0.1112	mg/L	0.00083	0.74%
Co 228.616†	-12.1	-0.0004	mg/L	0.00069	-0.0004	mg/L	0.00069	186.14%
V 292.402†	324.4	0.0032	mg/L	0.00024	0.0032	mg/L	0.00024	7.62%
K 766.490†	80.0	2.276	mg/L	0.0847	2.276	mg/L	0.0847	3.72%
Na 330.237†	4143.1	7.565	mg/L	0.3014	7.565	mg/L	0.3014	3.98%
Al 308.215†	205.0	0.0196	mg/L	0.01038	0.0196	mg/L	0.01038	52.88%
Fe 273.955†	69.3	0.0047	mg/L	0.00344	0.0047	mg/L	0.00344	72.65%
Ca 315.887†	12222.3	10.34	mg/L	0.040	10.34	mg/L	0.040	0.38%
Mg 279.077†	1156.6	3.642	mg/L	0.0114	3.642	mg/L	0.0114	0.31%

Sequence No.: 7 **Autosampler Location: 60**
Sample ID: 125060-1s **Date Collected: 12/2/04 3:38:49 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:10 AM,**

Mean Data: 125060-1s

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	554818.7	91.04	%	0.368				0.40%
Sc 361.383	1109005.3	91.05	%	0.312				0.34%

As 188.979†	3027.5	3.890 mg/L	0.0584	3.890 mg/L	0.0584	1.50%
Cr 267.716†	23218.4	0.3750 mg/L	0.00458	0.3750 mg/L	0.00458	1.22%
Cu 327.393†	48497.1	0.5420 mg/L	0.00196	0.5420 mg/L	0.00196	0.36%
Ni 231.604†	24433.3	0.9533 mg/L	0.00959	0.9533 mg/L	0.00959	1.01%
Zn 206.200†	19885.9	1.048 mg/L	0.0120	1.048 mg/L	0.0120	1.15%
Co 228.616†	31225.7	0.9630 mg/L	0.00940	0.9630 mg/L	0.00940	0.98%
V 292.402†	100408.8	0.9932 mg/L	0.00406	0.9932 mg/L	0.00406	0.41%
K 766.490†	759.0	21.58 mg/L	0.103	21.58 mg/L	0.103	0.48%
Na 330.237†	16044.0	29.29 mg/L	0.518	29.29 mg/L	0.518	1.77%
Al 308.215†	40809.3	3.908 mg/L	0.0116	3.908 mg/L	0.0116	0.30%
Fe 273.955†	314072.8	21.46 mg/L	0.033	21.46 mg/L	0.033	0.16%
Ca 315.887†	34425.9	29.12 mg/L	0.444	29.12 mg/L	0.444	1.52%
Mg 279.077†	7175.4	22.60 mg/L	0.556	22.60 mg/L	0.556	2.46%

Sequence No.: 8 **Autosampler Location: 61**
Sample ID: 125060-1sd **Date Collected: 12/2/04 3:43:25 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:11 AM,**

Mean Data: 125060-1sd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	538269.1	88.32	%	0.161				0.18%
Sc 361.383	1076989.1	88.42	%	0.187				0.21%
As 188.979†	3137.5	4.031	mg/L	0.0590	4.031	mg/L	0.0590	1.46%
Cr 267.716†	23824.3	0.3848	mg/L	0.00258	0.3848	mg/L	0.00258	0.67%
Cu 327.393†	48525.2	0.5423	mg/L	0.00389	0.5423	mg/L	0.00389	0.72%
Ni 231.604†	25149.8	0.9813	mg/L	0.00600	0.9813	mg/L	0.00600	0.61%
Zn 206.200†	20344.0	1.072	mg/L	0.0035	1.072	mg/L	0.0035	0.32%
Co 228.616†	32158.0	0.9917	mg/L	0.00432	0.9917	mg/L	0.00432	0.44%
V 292.402†	100882.0	0.9979	mg/L	0.00474	0.9979	mg/L	0.00474	0.48%
K 766.490†	786.1	22.35	mg/L	0.056	22.35	mg/L	0.056	0.25%
Na 330.237†	16537.3	30.19	mg/L	0.350	30.19	mg/L	0.350	1.16%
Al 308.215†	40949.5	3.921	mg/L	0.0229	3.921	mg/L	0.0229	0.58%
Fe 273.955†	315744.0	21.58	mg/L	0.114	21.58	mg/L	0.114	0.53%
Ca 315.887†	35820.9	30.30	mg/L	0.226	30.30	mg/L	0.226	0.75%
Mg 279.077†	7467.2	23.52	mg/L	0.081	23.52	mg/L	0.081	0.35%

Sequence No.: 9 **Autosampler Location: 62**
Sample ID: 125060-1ps **Date Collected: 12/2/04 3:48:00 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:13 AM,**

Mean Data: 125060-1ps

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	551596.8	90.51	%	1.044				1.15%
Sc 361.383	1100921.3	90.39	%	1.033				1.14%
As 188.979†	3028.2	3.891	mg/L	0.0993	3.891	mg/L	0.0993	2.55%
Cr 267.716†	23280.3	0.3760	mg/L	0.00554	0.3760	mg/L	0.00554	1.47%
Cu 327.393†	47274.0	0.5284	mg/L	0.00624	0.5284	mg/L	0.00624	1.18%
Ni 231.604†	24248.8	0.9461	mg/L	0.01099	0.9461	mg/L	0.01099	1.16%
Zn 206.200†	19822.0	1.044	mg/L	0.0146	1.044	mg/L	0.0146	1.39%
Co 228.616†	31130.7	0.9601	mg/L	0.01691	0.9601	mg/L	0.01691	1.76%
V 292.402†	98334.4	0.9727	mg/L	0.00296	0.9727	mg/L	0.00296	0.30%
K 766.490†	869.2	24.72	mg/L	0.221	24.72	mg/L	0.221	0.90%
Na 330.237†	17764.1	32.43	mg/L	0.211	32.43	mg/L	0.211	0.65%
Al 308.215†	40639.4	3.891	mg/L	0.0098	3.891	mg/L	0.0098	0.25%
Fe 273.955†	343955.8	23.51	mg/L	0.084	23.51	mg/L	0.084	0.36%
Ca 315.887†	37824.2	32.00	mg/L	0.340	32.00	mg/L	0.340	1.06%
Mg 279.077†	8175.4	25.75	mg/L	0.312	25.75	mg/L	0.312	1.21%

Sequence No.: 10 **Autosampler Location: 63**
Sample ID: bs tp774 **Date Collected: 12/2/04 3:52:35 PM**

Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 8:12:15 AM,

Mean Data: bs tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	548327.4	89.97	%	1.846				2.05%
Sc 361.383	1095206.0	89.92	%	1.827				2.03%
As 188.979†	3046.2	3.914	mg/L	0.1763	3.914	mg/L	0.1763	4.51%
Cr 267.716†	23541.5	0.3802	mg/L	0.01479	0.3802	mg/L	0.01479	3.89%
Cu 327.393†	45371.9	0.5071	mg/L	0.00254	0.5071	mg/L	0.00254	0.50%
Ni 231.604†	25284.2	0.9865	mg/L	0.03567	0.9865	mg/L	0.03567	3.62%
Zn 206.200†	18497.1	0.9745	mg/L	0.03653	0.9745	mg/L	0.03653	3.75%
Co 228.616†	32179.4	0.9924	mg/L	0.03784	0.9924	mg/L	0.03784	3.81%
V 292.402†	100632.7	0.9954	mg/L	0.00255	0.9954	mg/L	0.00255	0.26%
K 766.490†	691.5	19.66	mg/L	0.539	19.66	mg/L	0.539	2.74%
Na 330.237†	11857.3	21.65	mg/L	1.229	21.65	mg/L	1.229	5.67%
Al 308.215†	40729.8	3.900	mg/L	0.0189	3.900	mg/L	0.0189	0.48%
Fe 273.955†	316040.9	21.60	mg/L	0.073	21.60	mg/L	0.073	0.34%
Ca 315.887†	22562.1	19.09	mg/L	0.622	19.09	mg/L	0.622	3.26%
Mg 279.077†	6107.5	19.23	mg/L	0.646	19.23	mg/L	0.646	3.36%

Sequence No.: 11 Autosampler Location: 64
Sample ID: bsd tp774 Date Collected: 12/2/04 3:57:08 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 8:12:16 AM,

Mean Data: bsd tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	545243.6	89.46	%	0.601				0.67%
Sc 361.383	1087931.7	89.32	%	0.553				0.62%
As 188.979†	3040.5	3.906	mg/L	0.0247	3.906	mg/L	0.0247	0.63%
Cr 267.716†	23463.5	0.3789	mg/L	0.00579	0.3789	mg/L	0.00579	1.53%
Cu 327.393†	44925.7	0.5021	mg/L	0.00247	0.5021	mg/L	0.00247	0.49%
Ni 231.604†	25018.2	0.9762	mg/L	0.00802	0.9762	mg/L	0.00802	0.82%
Zn 206.200†	18327.8	0.9656	mg/L	0.00690	0.9656	mg/L	0.00690	0.71%
Co 228.616†	32003.4	0.9870	mg/L	0.01045	0.9870	mg/L	0.01045	1.06%
V 292.402†	99806.3	0.9873	mg/L	0.00233	0.9873	mg/L	0.00233	0.24%
K 766.490†	699.1	19.88	mg/L	0.207	19.88	mg/L	0.207	1.04%
Na 330.237†	11911.2	21.75	mg/L	0.426	21.75	mg/L	0.426	1.96%
Al 308.215†	40402.5	3.869	mg/L	0.0091	3.869	mg/L	0.0091	0.24%
Fe 273.955†	313289.7	21.41	mg/L	0.026	21.41	mg/L	0.026	0.12%
Ca 315.887†	22478.9	19.02	mg/L	0.189	19.02	mg/L	0.189	0.99%
Mg 279.077†	6114.1	19.26	mg/L	0.233	19.26	mg/L	0.233	1.21%

Sequence No.: 12 Autosampler Location: 65
Sample ID: lcs-water-1 Date Collected: 12/2/04 4:01:42 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 12/3/04 8:12:17 AM,

Mean Data: lcs-water-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	570274.2	93.57	%	1.152				1.23%
Sc 361.383	1139837.9	93.58	%	1.207				1.29%
As 188.979†	2995.5	3.849	mg/L	0.0696	3.849	mg/L	0.0696	1.81%
Cr 267.716†	23164.4	0.3741	mg/L	0.00887	0.3741	mg/L	0.00887	2.37%
Cu 327.393†	44609.6	0.4986	mg/L	0.00047	0.4986	mg/L	0.00047	0.09%
Ni 231.604†	24762.7	0.9662	mg/L	0.02163	0.9662	mg/L	0.02163	2.24%
Zn 206.200†	18123.0	0.9548	mg/L	0.01849	0.9548	mg/L	0.01849	1.94%
Co 228.616†	31517.2	0.9720	mg/L	0.02145	0.9720	mg/L	0.02145	2.21%
V 292.402†	98730.4	0.9766	mg/L	0.00240	0.9766	mg/L	0.00240	0.25%

K 766.490†	669.6	19.04 mg/L	0.363	19.04 mg/L	0.363	1.90%
Na 330.237†	11581.4	21.15 mg/L	0.774	21.15 mg/L	0.774	3.66%
Al 308.215†	39751.0	3.806 mg/L	0.0066	3.806 mg/L	0.0066	0.17%
Fe 273.955†	309897.1	21.18 mg/L	0.051	21.18 mg/L	0.051	0.24%
Ca 315.887†	22047.1	18.65 mg/L	0.453	18.65 mg/L	0.453	2.43%
Mg 279.077†	5936.1	18.69 mg/L	0.456	18.69 mg/L	0.456	2.44%

Sequence No.: 13 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 12/2/04 4:06:16 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:19 AM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	641601.7	105.3	%	1.03				0.98%
Sc 361.383	1288964.5	105.8	%	0.74				0.70%
As 188.979†	767.6	0.9862	mg/L	0.00504	0.9862	mg/L	0.00504	0.51%
QC value within limits for As 188.979 Recovery = 98.62%								
Cr 267.716†	60274.6	0.9735	mg/L	0.01844	0.9735	mg/L	0.01844	1.89%
QC value within limits for Cr 267.716 Recovery = 97.35%								
Cu 327.393†	90076.5	1.007	mg/L	0.0201	1.007	mg/L	0.0201	2.00%
QC value within limits for Cu 327.393 Recovery = 100.67%								
Ni 231.604†	25427.6	0.9921	mg/L	0.01656	0.9921	mg/L	0.01656	1.67%
QC value within limits for Ni 231.604 Recovery = 99.21%								
Zn 206.200†	18632.1	0.9816	mg/L	0.00876	0.9816	mg/L	0.00876	0.89%
QC value within limits for Zn 206.200 Recovery = 98.16%								
Co 228.616†	32210.2	0.9934	mg/L	0.01838	0.9934	mg/L	0.01838	1.85%
QC value within limits for Co 228.616 Recovery = 99.34%								
V 292.402†	97713.2	0.9666	mg/L	0.01248	0.9666	mg/L	0.01248	1.29%
QC value within limits for V 292.402 Recovery = 96.66%								
K 766.490†	342.2	9.730	mg/L	0.1367	9.730	mg/L	0.1367	1.40%
QC value within limits for K 766.490 Recovery = 97.30%								
Na 330.237†	5014.3	9.155	mg/L	0.0175	9.155	mg/L	0.0175	0.19%
QC value within limits for Na 330.237 Recovery = 91.55%								
Al 308.215†	101300.0	9.700	mg/L	0.1718	9.700	mg/L	0.1718	1.77%
QC value within limits for Al 308.215 Recovery = 97.00%								
Fe 273.955†	142528.4	9.741	mg/L	0.1288	9.741	mg/L	0.1288	1.32%
QC value within limits for Fe 273.955 Recovery = 97.41%								
Ca 315.887†	11946.7	10.11	mg/L	0.432	10.11	mg/L	0.432	4.27%
QC value within limits for Ca 315.887 Recovery = 101.06%								
Mg 279.077†	3228.8	10.17	mg/L	0.395	10.17	mg/L	0.395	3.88%
QC value within limits for Mg 279.077 Recovery = 101.69%								

All analytes passed QC.

Sequence No.: 14 **Autosampler Location: 6**
Sample ID: CCB **Date Collected: 12/2/04 4:11:48 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:20 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	626346.6	102.8	%	0.81				0.79%
Sc 361.383	1253870.3	102.9	%	0.92				0.89%
As 188.979†	1.1	0.0015	mg/L	0.00105	0.0015	mg/L	0.00105	71.12%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	34.1	0.0006	mg/L	0.00038	0.0006	mg/L	0.00038	69.03%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-32.2	-0.0004	mg/L	0.00012	-0.0004	mg/L	0.00012	32.36%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	10.6	0.0004	mg/L	0.00028	0.0004	mg/L	0.00028	68.06%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	50.9	0.0027	mg/L	0.00015	0.0027	mg/L	0.00015	5.68%
QC value within limits for Zn 206.200 Recovery = Not calculated								

Co 228.616†	10.5	0.0003 mg/L	0.00014	0.0003 mg/L	0.00014	44.47%
QC value within limits for Co 228.616 Recovery = Not calculated						
V 292.402†	4.0	0.0000 mg/L	0.00058	0.0000 mg/L	0.00058	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated						
K 766.490†	-5.2	-0.1483 mg/L	0.02768	-0.1483 mg/L	0.02768	18.67%
QC value within limits for K 766.490 Recovery = Not calculated						
Na 330.237†	-98.1	-0.1791 mg/L	0.25040	-0.1791 mg/L	0.25040	139.80%
QC value within limits for Na 330.237 Recovery = Not calculated						
Al 308.215†	-58.3	-0.0056 mg/L	0.00407	-0.0056 mg/L	0.00407	72.86%
QC value within limits for Al 308.215 Recovery = Not calculated						
Fe 273.955†	80.7	0.0055 mg/L	0.00260	0.0055 mg/L	0.00260	47.20%
QC value within limits for Fe 273.955 Recovery = Not calculated						
Ca 315.887†	-2.8	-0.0024 mg/L	0.00595	-0.0024 mg/L	0.00595	247.80%
QC value within limits for Ca 315.887 Recovery = Not calculated						
Mg 279.077†	0.6	0.0019 mg/L	0.00665	0.0019 mg/L	0.00665	357.10%
QC value within limits for Mg 279.077 Recovery = Not calculated						

All analytes passed QC.

Sequence No.: 15 **Autosampler Location: 66**
Sample ID: mb tp774 **Date Collected: 12/2/04 4:17:00 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:22 AM,**

Mean Data: mb tp774

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	632009.5	103.7	%	0.40				0.38%
Sc 361.383	1264545.8	103.8	%	0.47				0.45%
As 188.979†	2.9	0.0038	mg/L	0.00299	0.0038	mg/L	0.00299	79.02%
Cr 267.716†	59.0	0.0010	mg/L	0.00088	0.0010	mg/L	0.00088	91.84%
Cu 327.393†	-4.9	-0.0001	mg/L	0.00285	-0.0001	mg/L	0.00285	>999.9%
Ni 231.604†	8.7	0.0003	mg/L	0.00033	0.0003	mg/L	0.00033	97.35%
Zn 206.200†	15.5	0.0008	mg/L	0.00013	0.0008	mg/L	0.00013	15.77%
Co 228.616†	-10.9	-0.0003	mg/L	0.00026	-0.0003	mg/L	0.00026	77.53%
V 292.402†	-97.5	-0.0010	mg/L	0.00025	-0.0010	mg/L	0.00025	25.93%
K 766.490†	-2.5	-0.0702	mg/L	0.00662	-0.0702	mg/L	0.00662	9.43%
Na 330.237†	-247.4	-0.4516	mg/L	0.18129	-0.4516	mg/L	0.18129	40.14%
Al 308.215†	-49.6	-0.0047	mg/L	0.00469	-0.0047	mg/L	0.00469	98.79%
Fe 273.955†	-17.9	-0.0012	mg/L	0.00359	-0.0012	mg/L	0.00359	292.91%
Ca 315.887†	-17.2	-0.0146	mg/L	0.00130	-0.0146	mg/L	0.00130	8.90%
Mg 279.077†	4.3	0.0134	mg/L	0.00433	0.0134	mg/L	0.00433	32.25%

Sequence No.: 16 **Autosampler Location: 67**
Sample ID: 125060-2 **Date Collected: 12/2/04 4:22:12 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:23 AM,**

Mean Data: 125060-2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	565474.9	92.78	%	1.025				1.10%
Sc 361.383	1131399.5	92.89	%	1.066				1.15%
As 188.979†	-0.2	-0.0003	mg/L	0.00106	-0.0003	mg/L	0.00106	359.51%
Cr 267.716†	11.1	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	94.86%
Cu 327.393†	3349.7	0.0374	mg/L	0.00137	0.0374	mg/L	0.00137	3.67%
Ni 231.604†	1.3	0.0001	mg/L	0.00045	0.0001	mg/L	0.00045	856.82%
Zn 206.200†	1935.9	0.1020	mg/L	0.00208	0.1020	mg/L	0.00208	2.04%
Co 228.616†	-13.2	-0.0004	mg/L	0.00082	-0.0004	mg/L	0.00082	201.14%
V 292.402†	311.6	0.0031	mg/L	0.00116	0.0031	mg/L	0.00116	37.79%
K 766.490†	81.6	2.321	mg/L	0.0086	2.321	mg/L	0.0086	0.37%
Na 330.237†	3976.1	7.260	mg/L	0.1867	7.260	mg/L	0.1867	2.57%
Al 308.215†	121.7	0.0117	mg/L	0.00815	0.0117	mg/L	0.00815	69.93%
Fe 273.955†	136.0	0.0093	mg/L	0.00430	0.0093	mg/L	0.00430	46.23%
Ca 315.887†	11995.2	10.15	mg/L	0.107	10.15	mg/L	0.107	1.05%
Mg 279.077†	1138.6	3.586	mg/L	0.0349	3.586	mg/L	0.0349	0.97%

Sequence No.: 17
Sample ID: 125060-10
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 68
Date Collected: 12/2/04 4:28:43 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:25 AM,

Mean Data: 125060-10

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	550126.1	90.27	%	1.447				1.60%
Sc 361.383	1098960.4	90.23	%	1.357				1.50%
As 188.979†	0.5	0.0006	mg/L	0.00505	0.0006	mg/L	0.00505	794.66%
Cr 267.716†	10.0	0.0002	mg/L	0.00147	0.0002	mg/L	0.00147	905.27%
Cu 327.393†	-126.0	-0.0014	mg/L	0.00121	-0.0014	mg/L	0.00121	85.76%
Ni 231.604†	4.3	0.0002	mg/L	0.00039	0.0002	mg/L	0.00039	229.36%
Zn 206.200†	152.8	0.0080	mg/L	0.00021	0.0080	mg/L	0.00021	2.55%
Co 228.616†	7.7	0.0002	mg/L	0.00048	0.0002	mg/L	0.00048	200.42%
V 292.402†	77.8	0.0008	mg/L	0.00066	0.0008	mg/L	0.00066	85.56%
K 766.490†	-0.6	-0.0172	mg/L	0.05135	-0.0172	mg/L	0.05135	298.31%
Na 330.237†	290.5	0.5305	mg/L	0.49271	0.5305	mg/L	0.49271	92.88%
Al 308.215†	450.4	0.0431	mg/L	0.00539	0.0431	mg/L	0.00539	12.50%
Fe 273.955†	58.7	0.0040	mg/L	0.00404	0.0040	mg/L	0.00404	100.77%
Ca 315.887†	98.8	0.0836	mg/L	0.00156	0.0836	mg/L	0.00156	1.86%
Mg 279.077†	-0.5	-0.0015	mg/L	0.02621	-0.0015	mg/L	0.02621	>999.9%

Sequence No.: 18
Sample ID: 125059-1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 69
Date Collected: 12/2/04 4:33:52 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:26 AM,

Mean Data: 125059-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	568249.6	93.24	%	1.448				1.55%
Sc 361.383	1162737.9	95.46	%	1.512				1.58%
As 188.979†	1.1	0.0015	mg/L	0.00461	0.0015	mg/L	0.00461	312.25%
Cr 267.716†	1446.0	0.0234	mg/L	0.00019	0.0234	mg/L	0.00019	0.83%
Cu 327.393†	18979.4	0.2121	mg/L	0.00113	0.2121	mg/L	0.00113	0.53%
Ni 231.604†	277.5	0.0108	mg/L	0.00060	0.0108	mg/L	0.00060	5.58%
Zn 206.200†	402.2	0.0212	mg/L	0.00050	0.0212	mg/L	0.00050	2.38%
Co 228.616†	90.3	0.0028	mg/L	0.00054	0.0028	mg/L	0.00054	19.31%
V 292.402†	7846.5	0.0776	mg/L	0.00112	0.0776	mg/L	0.00112	1.45%
K 766.490†	75.6	2.150	mg/L	0.0159	2.150	mg/L	0.0159	0.74%
Na 330.237†	11704.1	21.37	mg/L	0.641	21.37	mg/L	0.641	3.00%
Al 308.215†	183040.6	17.53	mg/L	0.056	17.53	mg/L	0.056	0.32%
Fe 273.955†	346398.3	23.67	mg/L	0.103	23.67	mg/L	0.103	0.44%
Ca 315.887†	28891.7	24.44	mg/L	0.506	24.44	mg/L	0.506	2.07%
Mg 279.077†	2763.0	8.702	mg/L	0.2008	8.702	mg/L	0.2008	2.31%

Sequence No.: 19
Sample ID: 125082-1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 12/2/04 4:39:27 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:27 AM,

Mean Data: 125082-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	564967.7	92.70	%	0.997				1.08%
Sc 361.383	1128948.9	92.69	%	0.995				1.07%
As 188.979†	0.2	0.0003	mg/L	0.00760	0.0003	mg/L	0.00760	>999.9%
Cr 267.716†	11.2	0.0002	mg/L	0.00037	0.0002	mg/L	0.00037	203.12%
Cu 327.393†	-204.4	-0.0023	mg/L	0.00335	-0.0023	mg/L	0.00335	146.44%

Ni 231.604†	-4.0	-0.0002 mg/L	0.00030	-0.0002 mg/L	0.00030	190.73%
Zn 206.200†	119.3	0.0063 mg/L	0.00031	0.0063 mg/L	0.00031	4.88%
Co 228.616†	-5.0	-0.0002 mg/L	0.00006	-0.0002 mg/L	0.00006	39.90%
V 292.402†	-45.8	-0.0005 mg/L	0.00056	-0.0005 mg/L	0.00056	122.82%
K 766.490†	-3.9	-0.1114 mg/L	0.08331	-0.1114 mg/L	0.08331	74.75%
Na 330.237†	442.8	0.8085 mg/L	0.31008	0.8085 mg/L	0.31008	38.35%
Al 308.215†	231.2	0.0221 mg/L	0.00571	0.0221 mg/L	0.00571	25.78%
Fe 273.955†	34.1	0.0023 mg/L	0.00010	0.0023 mg/L	0.00010	4.21%
Ca 315.887†	92.7	0.0784 mg/L	0.00074	0.0784 mg/L	0.00074	0.95%
Mg 279.077†	-2.8	-0.0090 mg/L	0.01507	-0.0090 mg/L	0.01507	168.23%

Sequence No.: 20 **Autosampler Location: 71**
Sample ID: 125120-1 **Date Collected: 12/2/04 4:44:40 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:29 AM,**

Mean Data: 125120-1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	559964.7	91.88	%	0.145				0.16%
Sc 361.383	1119937.3	91.95	%	0.224				0.24%
As 188.979†	10.5	0.0135	mg/L	0.00342	0.0135	mg/L	0.00342	25.38%
Cr 267.716†	52.5	0.0008	mg/L	0.00020	0.0008	mg/L	0.00020	23.50%
Cu 327.393†	2541.2	0.0284	mg/L	0.00128	0.0284	mg/L	0.00128	4.50%
Ni 231.604†	152.0	0.0059	mg/L	0.00038	0.0059	mg/L	0.00038	6.44%
Zn 206.200†	605.1	0.0319	mg/L	0.00030	0.0319	mg/L	0.00030	0.94%
Co 228.616†	-52.2	-0.0016	mg/L	0.00002	-0.0016	mg/L	0.00002	1.32%
V 292.402†	-202.2	-0.0020	mg/L	0.00096	-0.0020	mg/L	0.00096	48.14%
K 766.490†	284.6	8.094	mg/L	0.0148	8.094	mg/L	0.0148	0.18%
Na 330.237†	165364.1	301.9	mg/L	1.12	301.9	mg/L	1.12	0.37%
Al 308.215†	1441.7	0.1380	mg/L	0.00195	0.1380	mg/L	0.00195	1.41%
Fe 273.955†	12128.2	0.8289	mg/L	0.00121	0.8289	mg/L	0.00121	0.15%
Ca 315.887†	44444.6	37.60	mg/L	0.056	37.60	mg/L	0.056	0.15%
Mg 279.077†	2740.0	8.629	mg/L	0.1638	8.629	mg/L	0.1638	1.90%

Sequence No.: 21 **Autosampler Location: 72**
Sample ID: 125132-1 **Date Collected: 12/2/04 4:50:08 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:31 AM,**

Mean Data: 125132-1

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	500492.8	82.12	%	0.639				0.78%
Sc 361.383	996713.0	81.83	%	0.724				0.88%
As 188.979†	7166.6	9.208	mg/L	0.0370	9.208	mg/L	0.0370	0.40%
Cr 267.716†	1908.5	0.0308	mg/L	0.00027	0.0308	mg/L	0.00027	0.87%
Cu 327.393†	-1183.7	-0.0132	mg/L	0.00196	-0.0132	mg/L	0.00196	14.79%
Ni 231.604†	953.6	0.0372	mg/L	0.00027	0.0372	mg/L	0.00027	0.74%
Zn 206.200†	240.6	0.0127	mg/L	0.00068	0.0127	mg/L	0.00068	5.39%
Co 228.616†	11.7	0.0004	mg/L	0.00023	0.0004	mg/L	0.00023	62.87%
V 292.402†	34477.7	0.3410	mg/L	0.00053	0.3410	mg/L	0.00053	0.15%
K 766.490†	5539.1	157.5	mg/L	2.64	157.5	mg/L	2.64	1.67%
Na 330.237†	4310261.7	7870	mg/L	9.3	7870	mg/L	9.3	0.12%
Al 308.215†	1106.6	0.1060	mg/L	0.00418	0.1060	mg/L	0.00418	3.94%
Fe 273.955†	8091.1	0.5530	mg/L	0.00250	0.5530	mg/L	0.00250	0.45%
Ca 315.887†	73291.5	62.00	mg/L	0.819	62.00	mg/L	0.819	1.32%
Mg 279.077†	43046.2	135.6	mg/L	2.29	135.6	mg/L	2.29	1.69%

Sequence No.: 22 **Autosampler Location: 73**
Sample ID: 125132-2 **Date Collected: 12/2/04 4:54:44 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:32 AM,**

Mean Data: 125132-2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	494769.9	81.18	%	0.364				0.45%
Sc 361.383	990032.0	81.28	%	0.383				0.47%
As 188.979†	53.5	0.0688	mg/L	0.00539	0.0688	mg/L	0.00539	7.84%
Cr 267.716†	48.5	0.0008	mg/L	0.00015	0.0008	mg/L	0.00015	18.69%
Cu 327.393†	-2015.9	-0.0225	mg/L	0.00314	-0.0225	mg/L	0.00314	13.95%
Ni 231.604†	71.7	0.0028	mg/L	0.00017	0.0028	mg/L	0.00017	6.12%
Zn 206.200†	377.5	0.0199	mg/L	0.00016	0.0199	mg/L	0.00016	0.82%
Co 228.616†	-20.6	-0.0006	mg/L	0.00021	-0.0006	mg/L	0.00021	33.67%
V 292.402†	255.3	0.0025	mg/L	0.00148	0.0025	mg/L	0.00148	58.56%
K 766.490†	8228.7	234.0	mg/L	4.27	234.0	mg/L	4.27	1.83%
Na 330.237†	3783421.7	6908	mg/L	5.0	6908	mg/L	5.0	0.07%
Al 308.215†	1231.4	0.1179	mg/L	0.00597	0.1179	mg/L	0.00597	5.06%
Fe 273.955†	57907.2	3.957	mg/L	0.0027	3.957	mg/L	0.0027	0.07%
Ca 315.887†	259006.9	219.1	mg/L	1.28	219.1	mg/L	1.28	0.59%
Mg 279.077†	148373.5	467.3	mg/L	3.07	467.3	mg/L	3.07	0.66%

Sequence No.: 23
Sample ID: bs tp774
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 12/2/04 4:59:18 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:34 AM,

Mean Data: bs tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	569184.4	93.39	%	0.621				0.67%
Sc 361.383	1137562.3	93.40	%	0.637				0.68%
As 188.979†	2992.8	3.845	mg/L	0.0796	3.845	mg/L	0.0796	2.07%
Cr 267.716†	23260.6	0.3757	mg/L	0.00546	0.3757	mg/L	0.00546	1.45%
Cu 327.393†	44704.9	0.4996	mg/L	0.00058	0.4996	mg/L	0.00058	0.12%
Ni 231.604†	24964.6	0.9741	mg/L	0.01777	0.9741	mg/L	0.01777	1.82%
Zn 206.200†	18139.3	0.9557	mg/L	0.01527	0.9557	mg/L	0.01527	1.60%
Co 228.616†	31658.0	0.9763	mg/L	0.01540	0.9763	mg/L	0.01540	1.58%
V 292.402†	100208.5	0.9912	mg/L	0.00179	0.9912	mg/L	0.00179	0.18%
K 766.490†	744.8	21.18	mg/L	0.108	21.18	mg/L	0.108	0.51%
Na 330.237†	17299.3	31.59	mg/L	0.804	31.59	mg/L	0.804	2.54%
Al 308.215†	40582.4	3.886	mg/L	0.0125	3.886	mg/L	0.0125	0.32%
Fe 273.955†	313633.0	21.43	mg/L	0.045	21.43	mg/L	0.045	0.21%
Ca 315.887†	22595.5	19.11	mg/L	0.272	19.11	mg/L	0.272	1.42%
Mg 279.077†	6116.4	19.26	mg/L	0.064	19.26	mg/L	0.064	0.33%

Sequence No.: 24
Sample ID: bsd tp774
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 12/2/04 5:03:48 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:12:35 AM,

Mean Data: bsd tp774

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	565381.4	92.77	%	1.229				1.33%
Sc 361.383	1130069.4	92.78	%	1.244				1.34%
As 188.979†	3008.4	3.865	mg/L	0.1008	3.865	mg/L	0.1008	2.61%
Cr 267.716†	23196.8	0.3746	mg/L	0.01033	0.3746	mg/L	0.01033	2.76%
Cu 327.393†	44494.5	0.4973	mg/L	0.00240	0.4973	mg/L	0.00240	0.48%
Ni 231.604†	24838.4	0.9691	mg/L	0.02728	0.9691	mg/L	0.02728	2.81%
Zn 206.200†	18131.5	0.9552	mg/L	0.02895	0.9552	mg/L	0.02895	3.03%
Co 228.616†	31677.4	0.9769	mg/L	0.03211	0.9769	mg/L	0.03211	3.29%
V 292.402†	99302.2	0.9823	mg/L	0.00173	0.9823	mg/L	0.00173	0.18%
K 766.490†	706.8	20.10	mg/L	0.206	20.10	mg/L	0.206	1.03%
Na 330.237†	14040.9	25.64	mg/L	1.397	25.64	mg/L	1.397	5.45%
Al 308.215†	40276.3	3.857	mg/L	0.0186	3.857	mg/L	0.0186	0.48%

Fe 273.955†	310710.4	21.23 mg/L	0.033	21.23 mg/L	0.033	0.16%
Ca 315.887†	22099.5	18.69 mg/L	0.307	18.69 mg/L	0.307	1.64%
Mg 279.077†	5984.8	18.85 mg/L	0.128	18.85 mg/L	0.128	0.68%

Sequence No.: 25 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 12/2/04 5:08:19 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:37 AM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	674501.4	110.7	%	2.03				1.83%
Sc 361.383	1354679.9	111.2	%	1.60				1.44%
As 188.979†	757.3	0.9730	mg/L	0.01208	0.9730	mg/L	0.01208	1.24%
QC value within limits for As 188.979 Recovery = 97.30%								
Cr 267.716†	59415.9	0.9596	mg/L	0.02071	0.9596	mg/L	0.02071	2.16%
QC value within limits for Cr 267.716 Recovery = 95.96%								
Cu 327.393†	88714.2	0.9915	mg/L	0.01926	0.9915	mg/L	0.01926	1.94%
QC value within limits for Cu 327.393 Recovery = 99.15%								
Ni 231.604†	25110.7	0.9798	mg/L	0.02155	0.9798	mg/L	0.02155	2.20%
QC value within limits for Ni 231.604 Recovery = 97.98%								
Zn 206.200†	18442.7	0.9716	mg/L	0.01432	0.9716	mg/L	0.01432	1.47%
QC value within limits for Zn 206.200 Recovery = 97.16%								
Co 228.616†	31743.7	0.9790	mg/L	0.01847	0.9790	mg/L	0.01847	1.89%
QC value within limits for Co 228.616 Recovery = 97.90%								
V 292.402†	96208.0	0.9517	mg/L	0.01440	0.9517	mg/L	0.01440	1.51%
QC value within limits for V 292.402 Recovery = 95.17%								
K 766.490†	342.6	9.743	mg/L	0.2045	9.743	mg/L	0.2045	2.10%
QC value within limits for K 766.490 Recovery = 97.43%								
Na 330.237†	5533.9	10.10	mg/L	0.575	10.10	mg/L	0.575	5.69%
QC value within limits for Na 330.237 Recovery = 101.04%								
Al 308.215†	99979.9	9.574	mg/L	0.2007	9.574	mg/L	0.2007	2.10%
QC value within limits for Al 308.215 Recovery = 95.74%								
Fe 273.955†	140244.7	9.584	mg/L	0.1319	9.584	mg/L	0.1319	1.38%
QC value within limits for Fe 273.955 Recovery = 95.84%								
Ca 315.887†	11530.5	9.754	mg/L	0.1652	9.754	mg/L	0.1652	1.69%
QC value within limits for Ca 315.887 Recovery = 97.54%								
Mg 279.077†	3130.8	9.860	mg/L	0.1046	9.860	mg/L	0.1046	1.06%
QC value within limits for Mg 279.077 Recovery = 98.60%								

All analytes passed QC.

Sequence No.: 26 **Autosampler Location: 6**
Sample ID: CCB **Date Collected: 12/2/04 5:13:52 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 12/3/04 8:12:38 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	657932.8	108.0	%	0.60				0.56%
Sc 361.383	1315480.1	108.0	%	0.54				0.50%
As 188.979†	1.5	0.0020	mg/L	0.00262	0.0020	mg/L	0.00262	134.02%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	13.2	0.0002	mg/L	0.00022	0.0002	mg/L	0.00022	102.43%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	61.8	0.0007	mg/L	0.00169	0.0007	mg/L	0.00169	245.09%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	19.7	0.0008	mg/L	0.00008	0.0008	mg/L	0.00008	10.74%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	40.9	0.0022	mg/L	0.00005	0.0022	mg/L	0.00005	2.38%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Co 228.616†	12.4	0.0004	mg/L	0.00045	0.0004	mg/L	0.00045	117.67%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	47.7	0.0005	mg/L	0.00074	0.0005	mg/L	0.00074	156.93%

QC value within limits for V 292.402 Recovery = Not calculated

K 766.490†	5.5	0.1562 mg/L	0.01488	0.1562 mg/L	0.01488	9.53%

QC value within limits for K 766.490 Recovery = Not calculated

Na 330.237†	-110.8	-0.2024 mg/L	0.44785	-0.2024 mg/L	0.44785	221.30%

QC value within limits for Na 330.237 Recovery = Not calculated

Al 308.215†	-181.0	-0.0173 mg/L	0.00548	-0.0173 mg/L	0.00548	31.64%

QC value within limits for Al 308.215 Recovery = Not calculated

Fe 273.955†	91.7	0.0063 mg/L	0.00193	0.0063 mg/L	0.00193	30.82%

QC value within limits for Fe 273.955 Recovery = Not calculated

Ca 315.887†	-14.8	-0.0125 mg/L	0.00148	-0.0125 mg/L	0.00148	11.85%

QC value within limits for Ca 315.887 Recovery = Not calculated

Mg 279.077†	4.1	0.0128 mg/L	0.01204	0.0128 mg/L	0.01204	93.93%

QC value within limits for Mg 279.077 Recovery = Not calculated

All analytes passed QC.

Sequence No.: 1
Sample ID: ICSA
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/2/04 8:42:15 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:18:27 AM,

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	584903.4	95.97	%	1.532				1.60%
Sc 361.383	1149270.2	94.36	%	1.110				1.18%
As 188.979†	7.0	0.0090	mg/L	0.00431	0.0090	mg/L	0.00431	48.10%
QC value within limits for As 188.979 Recovery = Not calculated								
Cr 267.716†	82.7	0.0013	mg/L	0.00018	0.0013	mg/L	0.00018	13.41%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-1942.0	-0.0217	mg/L	0.00262	-0.0217	mg/L	0.00262	12.06%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	-78.6	-0.0031	mg/L	0.00034	-0.0031	mg/L	0.00034	10.99%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	221.6	0.0117	mg/L	0.00036	0.0117	mg/L	0.00036	3.09%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Co 228.616†	-40.9	-0.0013	mg/L	0.00051	-0.0013	mg/L	0.00051	40.40%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	265.2	0.0026	mg/L	0.00016	0.0026	mg/L	0.00016	6.02%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	1.2	0.0347	mg/L	0.07765	0.0347	mg/L	0.07765	223.61%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237†	62174.1	113.5	mg/L	2.26	113.5	mg/L	2.26	1.99%
QC value within limits for Na 330.237 Recovery = 113.52%								
Al 308.215†	1163409.7	111.4	mg/L	2.05	111.4	mg/L	2.05	1.84%
QC value within limits for Al 308.215 Recovery = 92.84%								
Fe 273.955†	6400881.4	437.4	mg/L	1.95	437.4	mg/L	1.95	0.45%
QC value within limits for Fe 273.955 Recovery = 87.49%								
Ca 315.887†	654589.9	553.7	mg/L	14.01	553.7	mg/L	14.01	2.53%
QC value within limits for Ca 315.887 Recovery = 92.29%								
Mg 279.077†	86471.0	272.3	mg/L	6.86	272.3	mg/L	6.86	2.52%
QC value within limits for Mg 279.077 Recovery = 90.77%								

All analytes passed QC.

Sequence No.: 2
Sample ID: ICSAB
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 12/2/04 8:47:56 PM
Sample Prep Volume:
Data Type: Reprocessed on 12/3/04 8:18:28 AM,

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	570874.2	93.67	%	1.608				1.72%
Sc 361.383	1106820.6	90.87	%	0.836				0.92%
As 188.979†	7459.2	9.584	mg/L	0.2174	9.584	mg/L	0.2174	2.27%
QC value within limits for As 188.979 Recovery = 95.84%								
Cr 267.716†	171237.8	2.766	mg/L	0.0675	2.766	mg/L	0.0675	2.44%
QC value within limits for Cr 267.716 Recovery = 92.19%								
Cu 327.393†	255416.9	2.855	mg/L	0.0619	2.855	mg/L	0.0619	2.17%
QC value within limits for Cu 327.393 Recovery = 95.16%								
Ni 231.604†	66709.2	2.603	mg/L	0.0593	2.603	mg/L	0.0593	2.28%
QC value within limits for Ni 231.604 Recovery = 86.76%								
Zn 206.200†	48996.8	2.581	mg/L	0.0655	2.581	mg/L	0.0655	2.54%
QC value within limits for Zn 206.200 Recovery = 86.05%								
Co 228.616†	86545.2	2.669	mg/L	0.0634	2.669	mg/L	0.0634	2.38%
QC value within limits for Co 228.616 Recovery = 88.97%								
V 292.402†	293228.7	2.901	mg/L	0.0716	2.901	mg/L	0.0716	2.47%
QC value within limits for V 292.402 Recovery = 96.68%								
K 766.490†	7477.4	212.6	mg/L	4.31	212.6	mg/L	4.31	2.03%
QC value within limits for K 766.490 Recovery = 106.31%								

Na 330.237†	58612.8	107.0 mg/L	2.93	107.0 mg/L	2.93	2.74%
QC value within limits for Na 330.237 Recovery = 107.02%						
Al 308.215†	1182113.7	113.2 mg/L	2.61	113.2 mg/L	2.61	2.31%
QC value within limits for Al 308.215 Recovery = 94.33%						
Fe 273.955†	6542583.8	447.1 mg/L	2.73	447.1 mg/L	2.73	0.61%
QC value within limits for Fe 273.955 Recovery = 89.43%						
Ca 315.887†	671992.7	568.5 mg/L	18.19	568.5 mg/L	18.19	3.20%
QC value within limits for Ca 315.887 Recovery = 94.74%						
Mg 279.077†	89236.3	281.0 mg/L	9.41	281.0 mg/L	9.41	3.35%
QC value within limits for Mg 279.077 Recovery = 93.68%						

All analytes passed QC.

STL Seattle
METALS DIGESTION LOG

Date: 12/2/04
Analyst: [illegible]

Nitric Acid Lot No.: 9282

QC Batch ID: TP774
HCl Lot No.: 9246

H2O2 Lot No.: N/A

Spike STL Std. No.: 1001-11-15, 1001-11-13

Method: 1001-09-18

Water Total/ Dissolved (205.8):	Low Level Water (219.1):	Soil Microwave (206.15)	Soil Waterbath (204.2)	Wipe/Filter (209.7)	Paint Chip (214.7)	Oil (208.5)	Leachate (221.4)	Other:
✓								

Sample No.	Sample Size g / ml	Matrix	Spike Amt.	Final Vol., mls	Comments
125060-1	50 mL	Liquid		50 mL	
1D	↓	↓		↓	
1S			1 mL		
1SD			↓		
2					
10					
125059-5					
125082-1					
125120-1					
125132-1					
2	↓	↓		↓	
BLK	50 mL			50 mL	
BS	↓		1 mL	↓	
BSD			↓		
LCS	↓		↓	↓	

SPIKE WITNESSING: (CHECK OFF, SIGN & DATE)

Method
Special Spiking Instructions

Matrix
Spike Soln.
Amount Spiked

Signature: [illegible]
Date: 12/2/04

PEER REVIEW WORKSHEET FOR WORKORDER 125132 METHOD SW6010

CLIENT METHOD CHECK

Client Name	Method Title
Atofina	Metals by ICP - USEPA Method 6010

SAMPLE ID CHECK

SAS ID	Client ID
125132-01	#1 122 + 60
***125132-02	#4 1226+ 90
***125120-01	METRO-1204-13
***125082-01	041129SGA15ERW
***125059-05	041122SGA11GW
125060-01	041123SGA13BDW
***125060-02	041123SGA14BDW
125060-10	041123SGA15ERW

MATRIX/UNITS CHECK

SAS ID	Matrix	Wt/Vol	Units	Solids	DilFac	ExtVol
125132-01	liquid	50	mg/L		1	50
125132-02	liquid	50	mg/L		1	50
125120-01	liquid	50	mg/L		1	50
125082-01	liquid	50	mg/L		1	50
125059-05	liquid	50	mg/L		1	50
125060-01	liquid	50	mg/L		1	50
125060-02	liquid	50	mg/L		1	50
125060-10	liquid	50	mg/L		1	50

SAMPLE PREP CHECK

SAS ID	QC Batch	Date Samp	Prepared	Analyzed	Days to Prep	Days to Analysis
125132-01	tp774	12/1/04	12/2/04	12/2/04	0	0
125132-02	tp774	12/1/04	12/2/04	12/2/04	0	0
125120-01	tp774	11/29/04	12/2/04	12/2/04	2	0
125082-01	tp774	11/29/04	12/2/04	12/2/04	2	0
125059-05	tp774	11/22/04	12/2/04	12/2/04	9	0
125060-01	tp774	11/23/04	12/2/04	12/2/04	8	0
125060-02	tp774	11/23/04	12/2/04	12/2/04	8	0
125060-10	tp774	11/23/04	12/2/04	12/2/04	8	0

SAMPLE CALCULATION CHECK

SAS ID	Parameter	flags	QuanVal	ExtVol	DilFac	Solids	Wt/Vol	Result	CALCULATED
125132-01	Arsenic		9.207823831	50	1		50	9.21	9.2
125132-02	Arsenic		0.068801163	50	1		50	0.0688	0.069
125120-01	Copper		0.028402095	50	1		50	0.0284	0.028
125120-01	Zinc		0.031878812	50	1		50	0.0319	0.032
125082-01	Aluminum	J	0.022134302	50	1		50	0.0221	0.022
125082-01	Calcium	J B1	0.078381791	50	1		50	0.0784	0.078
125082-01	Sodium	J	0.8085105	50	1		50	0.809	0.81
125059-05	Aluminum		17.52739127	50	1		50	17.5	18
125059-05	Calcium	B2	24.44081412	50	1		50	24.4	24
125059-05	Cobalt	J	0.002784378	50	1		50	0.00278	0.0028
125059-05	Iron		23.67324824	50	1		50	23.7	24
125059-05	Magnesium		8.701586348	50	1		50	8.7	8.7

PEER REVIEW WORKSHEET FOR WORKORDER 125132 METHOD SW6010

125059-05	Nickel		0.010827319	50	1	50	0.0108	0.011
125059-05	Potassium		2.150479827	50	1	50	2.15	2.2
125059-05	Sodium		21.36976166	50	1	50	21.4	21
125059-05	Vanadium		0.077615728	50	1	50	0.0776	0.078
125060-01	Aluminum	J	0.012034234	50	1	50	0.012	0.012
125060-01	Calcium	B2	10.08851826	50	1	50	10.1	10
125060-01	Magnesium		3.60118593	50	1	50	3.6	3.6
125060-01	Potassium		2.305185407	50	1	50	2.31	2.3
125060-01	Sodium		6.95113269	50	1	50	6.95	7
125060-01	Vanadium	J	0.002837465	50	1	50	0.00284	0.0028
125060-02	Aluminum	J	0.011651479	50	1	50	0.0117	0.012
125060-02	Calcium	B2	10.14728603	50	1	50	10.1	10
125060-02	Magnesium		3.58568674	50	1	50	3.59	3.6
125060-02	Potassium		2.321366724	50	1	50	2.32	2.3
125060-02	Sodium		7.259703899	50	1	50	7.26	7.3
125060-02	Vanadium	J	0.003081831	50	1	50	0.00308	0.0031
125060-10	Aluminum	J	0.043127714	50	1	50	0.0431	0.043
125060-10	Calcium	J B1	0.083604108	50	1	50	0.0836	0.084
125060-10	Sodium	J	0.530463278	50	1	50	0.53	0.53
125060-10	Vanadium	J	0.000769679	50	1	50	0.00077	0.00077

SAMPLE PARAMETER CHECK

SAS ID	#	Parameter	
125132-01	1	Aluminum	Copper
125132-02	1	Arsenic	Iron
125120-01	4	Calcium	Magnesium
125082-01	9	Chromium	Nickel
125059-01	4	Cobalt	Potassium
125059-05	9		Sodium
125060-01	9		
125060-02	9		
125060-10	9		

QC PEER REVIEW WORKSHEET FOR BATCH # METHOD

MS/MSD

PREP CHECK

SAS ID	Matrix	Wt/Vol	Units	Solids	DilFac	Date Sampled	Prepared	Analyzed
125060s01	liquid	50	mg/L		1	11/23/04	12/2/04	12/2/04

QUANVAL CHECK

SAS ID	Parameter	QuanVal	Result	Flags	SAS ID	Parameter	QuanVal	Result	Flags
125060s01	Aluminum	3.90777	3.91						
125060s01	Calcium	29.12245	29.1	B2					
125060s01	Cobalt	0.96299	0.963						
125060s01	Iron	21.46409	21.5						
125060s01	Magnesium	22.59747	22.6						
125060s01	Nickel	0.953337	0.953						
125060s01	Potassium	21.58381	21.6						
125060s01	Sodium	29.29352	29.3						
125060s01	Vanadium	0.993218	0.993						

STL Seattle Perkin-Elmer Elan 6100 ICP-MS
Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

(Dual Detector Mode)

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Be	9.012	Linear Thru Zero	0.00	0.00	0.999980
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
Cr	51.941	Linear Thru Zero	0.01	0.00	0.999983
Mn	54.938	Linear Thru Zero	0.02	0.00	0.999934
Cu	64.928	Linear Thru Zero	0.00	0.00	0.999805
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999502
As	74.922	Linear Thru Zero	0.00	0.00	0.999907
Se	81.917	Linear Thru Zero	0.00	0.00	0.999785
Ge	73.922	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.01	0.00	0.999980
Cd	110.904	Linear Thru Zero	0.00	0.00	0.999979
Sb	122.904	Linear Thru Zero	0.01	0.00	0.999948
Ba	136.905	Linear Thru Zero	0.00	0.00	0.999974
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Tl	202.972	Linear Thru Zero	0.01	0.00	0.999844
Pb	207.977	Linear Thru Zero	0.04	0.00	0.999910
Ho	164.930	Linear Thru Zero	0.00	0.00	0.000000

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Blank

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 07:54:12
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Blank.005

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9		ug/L			5.6	69.3
⌊>	Sc	45		ug/L			1564423.3	2.6
⌈	Cr	52		ug/L			6991.9	4.2
|	Mn	55		ug/L			698.9	12.1
|	Cu	65		ug/L			25.6	49.4
|	Zn	68		ug/L			213.1	13.4
|	As	75		ug/L			70.6	140.0
|	Se	82		ug/L			126.7	16.4
⌊>	Ge	74		ug/L			1264370.3	0.4
⌈	Ag	107		ug/L			42.2	4.6
|	Cd	111		ug/L			19.1	45.5
|	Sb	123		ug/L			61.6	21.1
|	Ba	137		ug/L			27.8	13.9
⌊>	Rh	103		ug/L			1329661.5	1.1
⌈	Tl	203		ug/L			285.6	12.4
|	Pb	208		ug/L			863.3	5.1
⌊>	Ho	165		ug/L			1386613.2	2.2

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 1

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 07:57:13
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Standard 1.006

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**5.000**	ug/L	1.2	5.556	4051.7	2.1
⌊>	Sc	45		ug/L		1564423.280	1606127.6	2.1
⌈	Cr	52	**5.000**	ug/L	2.1	6991.923	82126.1	1.8
|	Mn	55	**5.000**	ug/L	2.0	698.906	126187.3	2.1
|	Cu	65	**5.000**	ug/L	1.6	25.556	23865.5	1.7
|	Zn	68	**5.000**	ug/L	1.9	213.113	13635.2	1.7
|	As	75	**5.000**	ug/L	2.0	70.579	15398.7	2.1
|	Se	82	**5.000**	ug/L	5.8	126.667	1776.8	5.2
⌊>	Ge	74		ug/L		1264370.288	1331016.8	0.2
⌈	Ag	107	**5.000**	ug/L	1.3	42.222	77116.5	1.1
|	Cd	111	**5.000**	ug/L	2.6	19.111	18779.2	2.6
|	Sb	123	**5.000**	ug/L	0.4	61.638	46000.5	0.2
|	Ba	137	**5.000**	ug/L	0.5	27.778	29357.9	0.1
⌊>	Rh	103		ug/L		1329661.454	1339125.0	0.5
⌈	Tl	203	**5.000**	ug/L	4.5	285.558	88154.6	2.8
|	Pb	208	**5.000**	ug/L	3.6	863.344	293198.0	0.5
⌊>	Ho	165		ug/L		1386613.193	1425217.1	3.3

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 2

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:00:11
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Standard 2.007

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
┌	Be	9	**9.942**	ug/L	4.1	5.556	7906.6	4.5
└>	Sc	45		ug/L		1564423.280	1614289.7	1.8
┌	Cr	52	**9.992**	ug/L	2.3	6991.923	151187.7	2.2
│	Mn	55	**10.061**	ug/L	0.4	698.906	250933.6	0.6
│	Cu	65	**9.862**	ug/L	1.2	25.556	43137.3	1.1
│	Zn	68	**9.764**	ug/L	2.0	213.113	23362.6	2.1
│	As	75	**10.051**	ug/L	1.6	70.579	30485.6	1.5
│	Se	82	**10.213**	ug/L	3.6	126.667	3678.3	3.5
└>	Ge	74		ug/L		1264370.288	1287507.8	0.2
┌	Ag	107	**9.940**	ug/L	0.4	42.222	151135.3	0.5
│	Cd	111	**9.853**	ug/L	0.7	19.111	35267.1	1.1
│	Sb	123	**9.969**	ug/L	2.1	61.638	91411.8	1.4
│	Ba	137	**9.971**	ug/L	1.4	27.778	58403.6	1.4
└>	Rh	103		ug/L		1329661.454	1351946.4	0.7
┌	Tl	203	**9.964**	ug/L	1.9	285.558	172668.0	3.4
│	Pb	208	**9.966**	ug/L	1.4	863.344	574765.2	0.8
└>	Ho	165		ug/L		1386613.193	1422348.2	2.1

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 3

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:03:11
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Standard 3.008

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
┌	Be	9	**25.040**	ug/L	2.6	5.556	20287.7	3.6
└>	Sc	45		ug/L		1564423.280	1632132.4	2.5
┌	Cr	52	**24.800**	ug/L	0.7	6991.923	361430.9	0.7
│	Mn	55	**24.696**	ug/L	1.6	698.906	597078.2	1.4
│	Cu	65	**24.704**	ug/L	3.3	25.556	105015.8	2.0
│	Zn	68	**24.390**	ug/L	0.2	213.113	53299.6	1.3
│	As	75	**24.979**	ug/L	2.9	70.579	77610.7	2.9
│	Se	82	**24.815**	ug/L	4.6	126.667	8696.0	3.3
└>	Ge	74		ug/L		1264370.288	1326182.3	1.4
┌	Ag	107	**24.953**	ug/L	2.4	42.222	376740.0	1.0
│	Cd	111	**24.909**	ug/L	1.2	19.111	87780.8	1.0
│	Sb	123	**24.956**	ug/L	1.0	61.638	227397.4	1.3
│	Ba	137	**24.840**	ug/L	0.9	27.778	141321.2	1.3
└>	Rh	103		ug/L		1329661.454	1355816.6	2.2
┌	Tl	203	**24.956**	ug/L	0.8	285.558	424185.7	0.6
│	Pb	208	**25.004**	ug/L	2.5	863.344	1428433.8	2.6
└>	Ho	165		ug/L		1386613.193	1408853.0	1.0

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 4

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:06:41
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Standard 4.009

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**49.688**	ug/L	7.2	5.556	40584.4	6.7
⌊>	Sc	45		ug/L		1564423.280	1680224.7	0.5
⌈	Cr	52	**49.970**	ug/L	1.4	6991.923	722026.0	1.7
|	Mn	55	**50.026**	ug/L	0.9	698.906	1215251.8	1.2
|	Cu	65	**50.165**	ug/L	3.3	25.556	216392.8	2.5
|	Zn	68	**50.171**	ug/L	2.5	213.113	111056.8	2.5
|	As	75	**49.926**	ug/L	0.5	70.579	154837.7	0.5
|	Se	82	**50.130**	ug/L	2.7	126.667	17649.8	1.7
⌊>	Ge	74		ug/L		1264370.288	1330931.2	1.0
⌈	Ag	107	**49.732**	ug/L	1.4	42.222	762355.4	0.5
|	Cd	111	**49.881**	ug/L	1.2	19.111	180195.8	1.5
|	Sb	123	**49.820**	ug/L	1.6	61.638	463449.7	1.4
|	Ba	137	**50.029**	ug/L	0.7	27.778	294671.7	1.1
⌊>	Rh	103		ug/L		1329661.454	1400881.6	0.9
⌈	Tl	203	**49.915**	ug/L	2.7	285.558	869685.8	0.8
|	Pb	208	**49.811**	ug/L	3.5	863.344	2896736.1	1.1
⌊>	Ho	165		ug/L		1386613.193	1453497.1	2.7

000058

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 5

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:10:12
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\Standard 5.010

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**100.140**	ug/L	4.4	5.556	80530.0	4.7
⌊>	Sc	45		ug/L		1564423.280	1646779.9	0.8
⌈	Cr	52	**99.776**	ug/L	2.4	6991.923	1455796.5	1.1
|	Mn	55	**99.467**	ug/L	3.3	698.906	2428260.4	1.1
|	Cu	65	**98.961**	ug/L	2.9	25.556	422717.5	0.5
|	Zn	68	**98.412**	ug/L	1.5	213.113	212076.5	1.3
|	As	75	**99.228**	ug/L	2.5	70.579	307108.3	0.9
|	Se	82	**98.875**	ug/L	3.2	126.667	34261.0	1.1
⌊>	Ge	74		ug/L		1264370.288	1360559.0	2.4
⌈	Ag	107	**99.787**	ug/L	2.9	42.222	1495520.1	1.7
|	Cd	111	**99.715**	ug/L	2.2	19.111	351406.2	1.3
|	Sb	123	**100.549**	ug/L	3.1	61.638	936241.4	2.3
|	Ba	137	**99.642**	ug/L	1.0	27.778	571342.9	1.6
⌊>	Rh	103		ug/L		1329661.454	1378840.2	1.1
⌈	Tl	203	**99.000**	ug/L	1.2	285.558	1688463.5	2.8
|	Pb	208	**99.261**	ug/L	3.3	863.344	5692804.9	1.7
⌊>	Ho	165		ug/L		1386613.193	1465949.2	1.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICV

Sample Description: 25 PPB CHECK SOLUTION
Sample Date/Time: Thursday, December 02, 2004 08:15:13
Number of Replicates: 3
Batch ID: 12-02-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\MSICV.011

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**25.339**	ug/L	4.4	5.556	19760.3	2.7
⌊>	Sc	45		ug/L		1564423.280	1597882.2	3.0
⌈	Cr	52	**25.203**	ug/L	1.2	6991.923	362614.6	0.7
|	Mn	55	**25.781**	ug/L	1.1	698.906	612009.1	2.1
|	Cu	65	**25.531**	ug/L	0.3	25.556	105957.1	0.8
|	Zn	68	**26.122**	ug/L	0.9	213.113	54832.3	1.3
|	As	75	**25.458**	ug/L	2.6	70.579	76583.7	2.4
|	Se	82	**25.606**	ug/L	2.9	126.667	8716.0	2.0
⌊>	Ge	74		ug/L		1264370.288	1321042.8	1.0
⌈	Ag	107	**24.837**	ug/L	3.3	42.222	373852.4	1.2
|	Cd	111	**24.998**	ug/L	1.3	19.111	88520.6	2.4
|	Sb	123	**24.645**	ug/L	1.6	61.638	230556.5	0.9
|	Ba	137	**24.922**	ug/L	1.6	27.778	143536.4	0.8
⌊>	Rh	103		ug/L		1329661.454	1385113.8	2.4
⌈	Tl	203	**25.780**	ug/L	2.2	285.558	424702.3	1.2
|	Pb	208	**25.795**	ug/L	1.3	863.344	1429699.5	0.4
⌊>	Ho	165		ug/L		1386613.193	1415672.7	1.0

00060

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: ICB

Sample Description: BLANK
Sample Date/Time: Thursday, December 02, 2004 08:19:32
Number of Replicates: 3
Batch ID: 12-02-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\ICB.012

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.007**	ug/L	149.9	5.556	11.1	75.5
⌊>	Sc	45		ug/L		1564423.280	1568605.4	1.5
⌈	Cr	52	**-0.019**	ug/L	27.1	6991.923	6862.6	1.5
|	Mn	55	**0.004**	ug/L	43.7	698.906	800.0	5.2
|	Cu	65	**0.008**	ug/L	9.0	25.556	60.0	5.6
|	Zn	68	**-0.003**	ug/L	792.8	213.113	212.0	20.3
|	As	75	**0.019**	ug/L	10.0	70.579	127.0	4.8
|	Se	82	**-0.018**	ug/L	158.9	126.667	123.3	7.2
⌊>	Ge	74		ug/L		1264370.288	1288924.0	0.5
⌈	Ag	107	**0.009**	ug/L	21.7	42.222	175.6	17.1
|	Cd	111	**0.000**	ug/L	1554.4	19.111	20.4	106.0
|	Sb	123	**0.039**	ug/L	9.4	61.638	407.2	7.4
|	Ba	137	**0.001**	ug/L	59.6	27.778	33.3	10.0
⌊>	Rh	103		ug/L		1329661.454	1324522.6	0.7
⌈	Tl	203	**0.000**	ug/L	495.6	285.558	294.4	12.0
|	Pb	208	**-0.001**	ug/L	237.4	863.344	840.0	9.2
⌊>	Ho	165		ug/L		1386613.193	1392943.6	1.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 0.5 PPB (RL)

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:28:25
Number of Replicates: 3
Batch ID: 12-02-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\0.5 PPB (RL).015

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.504**	ug/L	9.5	5.556	402.2	11.3
⌊>	Sc	45		ug/L		1564423.280	1608238.6	2.2
⌈	Cr	52	**0.534**	ug/L	4.7	6991.923	14214.3	1.2
|	Mn	55	**0.603**	ug/L	2.7	698.906	14410.6	1.3
|	Cu	65	**0.596**	ug/L	5.4	25.556	2395.8	4.5
|	Zn	68	**0.502**	ug/L	4.5	213.113	1219.4	4.6
|	As	75	**0.551**	ug/L	9.4	70.579	1657.2	8.9
|	Se	82	**0.549**	ug/L	7.1	126.667	303.3	5.0
⌊>	Ge	74		ug/L		1264370.288	1266303.4	1.4
⌈	Ag	107	**0.520**	ug/L	2.0	42.222	7637.6	2.9
|	Cd	111	**0.495**	ug/L	5.9	19.111	1720.8	6.1
|	Sb	123	**0.505**	ug/L	1.0	61.638	4645.5	2.3
|	Ba	137	**0.563**	ug/L	2.2	27.778	3174.8	1.5
⌊>	Rh	103		ug/L		1329661.454	1343528.7	1.3
⌈	Tl	203	**0.521**	ug/L	1.7	285.558	8915.0	2.7
|	Pb	208	**0.535**	ug/L	2.3	863.344	30698.5	0.6
⌊>	Ho	165		ug/L		1386613.193	1423299.1	1.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSA

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:34:21
Number of Replicates: 3
Batch ID: 12-02-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\MSICSA.017

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.031**	ug/L	14.4	5.556	30.0	11.1
⌊>	Sc	45		ug/L		1564423.280	1597126.0	0.6
⌈	Cr	52	**0.910**	ug/L	2.2	6991.923	19508.3	2.4
	Mn	55	**4.393**	ug/L	2.3	698.906	101565.3	1.1
	Cu	65	**3.872**	ug/L	1.8	25.556	15588.5	2.8
	Zn	68	**4.200**	ug/L	3.3	213.113	8718.7	2.3
	As	75	**0.473**	ug/L	36.1	70.579	1453.4	35.7
	Se	82	**0.617**	ug/L	14.3	126.667	328.9	9.9
⌊>	Ge	74		ug/L		1264370.288	1279547.7	1.4
⌈	Ag	107	**0.057**	ug/L	10.4	42.222	837.8	9.6
	Cd	111	**-0.265**	ug/L	62.2	19.111	-854.3	63.4
	Sb	123	**1.738**	ug/L	0.8	61.638	15144.9	1.6
	Ba	137	**0.374**	ug/L	3.4	27.778	2027.9	4.2
⌊>	Rh	103		ug/L		1329661.454	1285406.3	0.8
⌈	Tl	203	**0.440**	ug/L	4.2	285.558	7101.8	3.4
	Pb	208	**0.697**	ug/L	1.2	863.344	37216.6	1.0
⌊>	Ho	165		ug/L		1386613.193	1334437.0	0.7

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSAB

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:37:21
Number of Replicates: 3
Batch ID: 12-02-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\MSICSAB.018

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.017**	ug/L	28.3	5.556	18.9	20.4
⌊>	Sc	45		ug/L		1564423.280	1602066.2	0.6
⌈	Cr	52	**20.720**	ug/L	1.5	6991.923	301838.7	1.9
|	Mn	55	**24.533**	ug/L	0.6	698.906	587058.2	1.1
|	Cu	65	**21.397**	ug/L	2.1	25.556	89524.2	2.5
|	Zn	68	**20.356**	ug/L	1.7	213.113	43120.1	1.4
|	As	75	**19.578**	ug/L	0.3	70.579	59387.3	0.7
|	Se	82	**18.352**	ug/L	2.7	126.667	6335.8	3.0
⌊>	Ge	74		ug/L		1264370.288	1331604.1	0.5
⌈	Ag	107	**19.823**	ug/L	0.6	42.222	280015.6	0.9
|	Cd	111	**9.080**	ug/L	2.7	19.111	30171.0	2.7
|	Sb	123	**1.876**	ug/L	1.1	61.638	16520.6	1.0
|	Ba	137	**0.289**	ug/L	4.1	27.778	1589.0	4.3
⌊>	Rh	103		ug/L		1329661.454	1299172.3	0.3
⌈	Tl	203	**0.100**	ug/L	3.2	285.558	1840.1	2.3
|	Pb	208	**0.679**	ug/L	1.4	863.344	36686.1	1.0
⌊>	Ho	165		ug/L		1386613.193	1349938.0	0.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description: 50 PPB QC SOLUTION
Sample Date/Time: Thursday, December 02, 2004 08:45:25
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 3.020

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
┌	Be	9	**48.167**	ug/L	5.6	5.556	39139.5	4.7
└>	Sc	45		ug/L		1564423.280	1664565.7	1.1
┌	Cr	52	**52.701**	ug/L	1.1	6991.923	756928.3	0.9
│	Mn	55	**51.235**	ug/L	3.7	698.906	1225976.9	3.0
│	Cu	65	**52.433**	ug/L	1.0	25.556	219523.1	1.9
│	Zn	68	**51.771**	ug/L	1.4	213.113	109405.0	0.3
│	As	75	**51.370**	ug/L	1.1	70.579	155824.1	0.5
│	Se	82	**51.980**	ug/L	2.2	126.667	17713.2	1.2
└>	Ge	74		ug/L		1264370.288	1332785.7	1.3
┌	Ag	107	**52.726**	ug/L	1.2	42.222	771065.7	0.4
│	Cd	111	**50.725**	ug/L	1.5	19.111	174448.5	2.4
│	Sb	123	**52.147**	ug/L	1.5	61.638	473789.5	0.7
│	Ba	137	**51.920**	ug/L	1.2	27.778	290443.0	1.1
└>	Rh	103		ug/L		1329661.454	1345196.4	0.9
┌	Tl	203	**52.370**	ug/L	0.7	285.558	883530.0	1.1
│	Pb	208	**51.726**	ug/L	1.9	863.344	2935707.2	1.5
└>	Ho	165		ug/L		1386613.193	1450028.9	0.6

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description: BLANK
Sample Date/Time: Thursday, December 02, 2004 08:51:28
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 4.021

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.001**	ug/L	565.5	5.556	6.7	86.6
⌊>	Sc	45		ug/L		1564423.280	1599738.6	2.3
⌈	Cr	52	**-0.022**	ug/L	26.3	6991.923	6925.2	1.7
|	Mn	55	**0.004**	ug/L	45.8	698.906	825.6	5.7
|	Cu	65	**0.015**	ug/L	29.6	25.556	87.8	20.9
|	Zn	68	**-0.009**	ug/L	120.3	213.113	203.1	11.5
|	As	75	**0.012**	ug/L	278.7	70.579	108.4	92.0
|	Se	82	**-0.050**	ug/L	98.4	126.667	114.4	13.8
⌊>	Ge	74		ug/L		1264370.288	1309003.2	1.7
⌈	Ag	107	**0.006**	ug/L	34.3	42.222	126.7	22.5
|	Cd	111	**-0.002**	ug/L	175.7	19.111	13.6	71.3
|	Sb	123	**0.020**	ug/L	19.3	61.638	243.4	12.6
|	Ba	137	**0.001**	ug/L	165.0	27.778	33.3	26.5
⌊>	Rh	103		ug/L		1329661.454	1330569.1	2.3
⌈	Tl	203	**-0.005**	ug/L	26.5	285.558	214.4	7.0
|	Pb	208	**-0.005**	ug/L	11.9	863.344	610.0	8.1
⌊>	Ho	165		ug/L		1386613.193	1423189.2	2.8

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MB

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 08:54:30
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\MB.022

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.002**	ug/L	260.8	5.556	7.8	65.5
⌊>	Sc	45		ug/L		1564423.280	1647878.9	2.8
⌈	Cr	52	**0.014**	ug/L	257.9	6991.923	7475.1	5.3
|	Mn	55	**0.349**	ug/L	1.1	698.906	8982.8	1.0
|	Cu	65	**0.044**	ug/L	13.9	25.556	208.9	10.6
|	Zn	68	**0.389**	ug/L	8.7	213.113	1030.9	4.9
|	As	75	**0.055**	ug/L	43.9	70.579	236.8	30.4
|	Se	82	**0.057**	ug/L	52.0	126.667	151.1	8.4
⌊>	Ge	74		ug/L		1264370.288	1316330.4	2.0
⌈	Ag	107	**0.004**	ug/L	37.5	42.222	94.4	20.4
|	Cd	111	**0.000**	ug/L	1727.2	19.111	21.1	140.7
|	Sb	123	**0.011**	ug/L	5.1	61.638	163.9	2.3
|	Ba	137	**0.026**	ug/L	11.8	27.778	174.4	10.5
⌊>	Rh	103		ug/L		1329661.454	1342356.0	1.0
⌈	Tl	203	**-0.007**	ug/L	20.1	285.558	177.8	11.9
|	Pb	208	**0.037**	ug/L	2.9	863.344	3000.1	2.3
⌊>	Ho	165		ug/L		1386613.193	1442957.4	1.8

MB

000067

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1 (5X)

Sample Description: 5X
Sample Date/Time: Thursday, December 02, 2004 08:57:30
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1 (5X).023

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.005**	ug/L	44.4	5.556	11.1	17.3
⌊>	Sc	45		ug/L		1564423.280	1835662.1	1.8
⌈	Cr	52	**1.105**	ug/L	1.3	6991.923	24281.1	2.2
|	Mn	55	**0.381**	ug/L	7.4	698.906	10361.6	8.4
|	Cu	65	**7.856**	ug/L	1.5	25.556	34617.4	0.6
|	Zn	68	**20.011**	ug/L	0.4	213.113	44640.0	2.3
|	As	75	**-0.100**	ug/L	269.2	70.579	-235.6	368.1
|	Se	82	**0.067**	ug/L	47.8	126.667	164.4	8.4
⌊>	Ge	74		ug/L		1264370.288	1402115.3	2.0
⌈	Ag	107	**0.008**	ug/L	19.5	42.222	168.9	14.8
|	Cd	111	**0.004**	ug/L	111.4	19.111	35.1	47.4
|	Sb	123	**0.033**	ug/L	17.3	61.638	377.2	14.4
|	Ba	137	**0.444**	ug/L	0.9	27.778	2604.7	1.3
⌊>	Rh	103		ug/L		1329661.454	1394929.4	0.6
⌈	Tl	203	**0.004**	ug/L	80.1	285.558	400.0	15.4
|	Pb	208	**0.103**	ug/L	5.0	863.344	7344.1	3.4
⌊>	Ho	165		ug/L		1386613.193	1580873.2	1.1

000068

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:00:32
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1.024

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
	Be	9	**0.005**	ug/L	84.1	5.556	11.1	34.6
▷	Sc	45		ug/L		1564423.280	1823628.2	1.1
	Cr	52	**5.610**	ug/L	4.8	6991.923	81640.2	4.1
	Mn	55	**0.950**	ug/L	1.7	698.906	21965.8	1.4
	Cu	65	**39.845**	ug/L	1.4	25.556	156255.7	1.9
	Zn	68	**88.824**	ug/L	0.9	213.113	175677.6	0.5
	As	75	**-0.409**	ug/L	264.9	70.579	-1095.0	280.9
	Se	82	**0.650**	ug/L	20.4	126.667	331.1	13.4
▷	Ge	74		ug/L		1264370.288	1248353.4	1.1
	Ag	107	**0.023**	ug/L	8.8	42.222	351.1	9.0
	Cd	111	**-0.008**	ug/L	128.8	19.111	-6.4	487.0
	Sb	123	**0.112**	ug/L	3.7	61.638	1007.0	3.3
	Ba	137	**2.198**	ug/L	2.5	27.778	11452.4	1.3
▷	Rh	103		ug/L		1329661.454	1250179.1	1.2
	Tl	203	**0.007**	ug/L	19.2	285.558	402.2	5.5
	Pb	208	**0.358**	ug/L	6.4	863.344	20412.4	6.3
▷	Ho	165		ug/L		1386613.193	1394524.8	0.1

000069

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1D

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:03:33
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1D.025

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.003**	ug/L	77.4	5.556	8.9	21.7
⌊>	Sc	45		ug/L		1564423.280	1815228.2	1.4
⌈	Cr	52	**4.959**	ug/L	5.8	6991.923	71191.2	4.4
|	Mn	55	**0.978**	ug/L	2.4	698.906	22058.1	1.1
|	Cu	65	**39.919**	ug/L	1.3	25.556	152754.6	0.9
|	Zn	68	**89.126**	ug/L	0.6	213.113	172026.2	1.2
|	As	75	**-1.069**	ug/L	48.2	70.579	-2903.9	50.1
|	Se	82	**0.759**	ug/L	3.2	126.667	356.7	2.5
⌊>	Ge	74		ug/L		1264370.288	1218238.6	1.4
⌈	Ag	107	**0.018**	ug/L	25.5	42.222	290.0	23.0
|	Cd	111	**-0.000**	ug/L	3374.3	19.111	17.8	29.1
|	Sb	123	**0.097**	ug/L	11.2	61.638	880.1	8.7
|	Ba	137	**2.155**	ug/L	1.2	27.778	11261.1	3.4
⌊>	Rh	103		ug/L		1329661.454	1253491.9	2.3
⌈	Tl	203	**0.002**	ug/L	155.3	285.558	325.6	15.9
|	Pb	208	**0.339**	ug/L	1.8	863.344	19759.9	0.5
⌊>	Ho	165		ug/L		1386613.193	1421753.0	1.2

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1S

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:06:36
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1S.026

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**2.157**	ug/L	10.9	5.556	1765.3	7.9
⌊>	Sc	45		ug/L		1564423.280	1674064.0	3.1
⌈	Cr	52	**8.518**	ug/L	2.9	6991.923	122665.8	2.7
|	Mn	55	**22.705**	ug/L	0.3	698.906	519023.6	0.0
|	Cu	65	**11.683**	ug/L	0.3	25.556	46702.9	0.4
|	Zn	68	**24.374**	ug/L	1.7	213.113	49279.7	1.6
|	As	75	**83.772**	ug/L	0.9	70.579	242501.6	1.0
|	Se	82	**84.208**	ug/L	3.7	126.667	27311.7	3.6
⌊>	Ge	74		ug/L		1264370.288	1272011.8	0.3
⌈	Ag	107	**12.137**	ug/L	0.4	42.222	176171.9	0.9
|	Cd	111	**2.059**	ug/L	0.5	19.111	7043.1	0.4
|	Sb	123	**61.615**	ug/L	0.7	61.638	555558.0	0.9
|	Ba	137	**82.055**	ug/L	2.0	27.778	455466.7	1.4
⌊>	Rh	103		ug/L		1329661.454	1334901.7	0.8
⌈	Tl	203	**84.970**	ug/L	0.4	285.558	1389528.6	1.3
|	Pb	208	**22.612**	ug/L	1.7	863.344	1244550.5	0.6
⌊>	Ho	165		ug/L		1386613.193	1405796.1	1.6

Spike

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1SD

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:09:38
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1SD.027

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**2.150**	ug/L	0.8	5.556	1691.6	3.9
⌊>	Sc	45		ug/L		1564423.280	1606102.7	3.2
⌈	Cr	52	**8.887**	ug/L	1.1	6991.923	126734.9	1.0
|	Mn	55	**22.126**	ug/L	0.9	698.906	502059.9	0.2
|	Cu	65	**11.571**	ug/L	0.2	25.556	45914.8	1.2
|	Zn	68	**24.578**	ug/L	0.9	213.113	49322.5	0.8
|	As	75	**83.657**	ug/L	0.4	70.579	240389.8	1.3
|	Se	82	**82.637**	ug/L	1.2	126.667	26608.1	1.6
⌊>	Ge	74		ug/L		1264370.288	1262642.7	1.0
⌈	Ag	107	**13.057**	ug/L	0.5	42.222	180530.3	1.0
|	Cd	111	**2.115**	ug/L	3.3	19.111	6892.0	3.8
|	Sb	123	**64.199**	ug/L	1.7	61.638	551324.0	1.4
|	Ba	137	**85.757**	ug/L	1.0	27.778	453453.2	1.6
⌊>	Rh	103		ug/L		1329661.454	1271458.6	0.6
⌈	Tl	203	**86.773**	ug/L	1.9	285.558	1440043.3	1.9
|	Pb	208	**21.562**	ug/L	2.6	863.344	1204381.2	1.7
⌊>	Ho	165		ug/L		1386613.193	1427151.8	3.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-1PS

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:12:38
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-1PS.028

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**1.917**	ug/L	4.9	5.556	1495.1	5.6
⌊>	Sc	45		ug/L		1564423.280	1591910.8	3.4
⌈	Cr	52	**8.606**	ug/L	2.1	6991.923	120074.2	2.5
|	Mn	55	**22.139**	ug/L	1.0	698.906	490608.3	1.0
|	Cu	65	**11.407**	ug/L	0.7	25.556	44202.7	0.2
|	Zn	68	**24.741**	ug/L	0.5	213.113	48486.4	0.8
|	As	75	**84.007**	ug/L	1.6	70.579	235742.4	1.8
|	Se	82	**84.671**	ug/L	2.2	126.667	26619.2	1.7
⌊>	Ge	74		ug/L		1264370.288	1233062.1	0.5
⌈	Ag	107	**12.537**	ug/L	1.6	42.222	172351.4	1.4
|	Cd	111	**2.081**	ug/L	0.7	19.111	6743.2	0.2
|	Sb	123	**61.941**	ug/L	0.9	61.638	528929.3	0.4
|	Ba	137	**82.771**	ug/L	1.1	27.778	435155.1	0.8
⌊>	Rh	103		ug/L		1329661.454	1264253.3	0.5
⌈	Tl	203	**85.574**	ug/L	0.3	285.558	1372098.3	1.6
|	Pb	208	**21.661**	ug/L	2.5	863.344	1168861.6	1.5
⌊>	Ho	165		ug/L		1386613.193	1378357.3	1.9

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BS

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:15:34
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\BS.029

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**1.967**	ug/L	7.0	5.556	1531.0	4.7
⌊>	Sc	45		ug/L		1564423.280	1590294.0	2.9
⌈	Cr	52	**8.425**	ug/L	2.7	6991.923	119904.8	3.8
|	Mn	55	**22.101**	ug/L	2.6	698.906	498779.0	1.4
|	Cu	65	**10.363**	ug/L	1.3	25.556	40900.7	0.1
|	Zn	68	**21.736**	ug/L	1.6	213.113	43410.8	1.1
|	As	75	**81.638**	ug/L	1.9	70.579	233316.4	0.6
|	Se	82	**81.808**	ug/L	1.9	126.667	26199.6	0.6
⌊>	Ge	74		ug/L		1264370.288	1256004.9	1.3
⌈	Ag	107	**12.445**	ug/L	1.0	42.222	174393.7	1.4
|	Cd	111	**2.028**	ug/L	2.3	19.111	6700.3	3.4
|	Sb	123	**61.282**	ug/L	0.7	61.638	533444.7	1.3
|	Ba	137	**83.001**	ug/L	0.7	27.778	444818.8	1.4
⌊>	Rh	103		ug/L		1329661.454	1288711.0	1.2
⌈	Tl	203	**83.461**	ug/L	1.1	285.558	1363498.9	0.5
|	Pb	208	**20.768**	ug/L	2.4	863.344	1142023.2	1.6
⌊>	Ho	165		ug/L		1386613.193	1404440.7	1.1

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BSD

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:18:30
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\BSD.030

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**2.144**	ug/L	9.6	5.556	1671.8	9.0
⌊>	Sc	45		ug/L		1564423.280	1592162.7	0.6
⌈	Cr	52	**8.924**	ug/L	0.9	6991.923	124746.0	1.0
|	Mn	55	**22.910**	ug/L	2.7	698.906	509623.6	2.2
|	Cu	65	**11.015**	ug/L	1.9	25.556	42848.6	1.5
|	Zn	68	**22.159**	ug/L	2.5	213.113	43612.8	1.1
|	As	75	**85.903**	ug/L	1.2	70.579	242004.1	1.1
|	Se	82	**85.569**	ug/L	1.5	126.667	27006.6	0.8
⌊>	Ge	74		ug/L		1264370.288	1238004.4	1.4
⌈	Ag	107	**12.727**	ug/L	0.9	42.222	179307.3	1.2
|	Cd	111	**2.132**	ug/L	7.2	19.111	7079.4	7.5
|	Sb	123	**64.079**	ug/L	1.7	61.638	560716.1	0.8
|	Ba	137	**84.296**	ug/L	2.2	27.778	454126.3	1.6
⌊>	Rh	103		ug/L		1329661.454	1295604.9	0.9
⌈	Tl	203	**86.222**	ug/L	1.4	285.558	1401808.3	2.0
|	Pb	208	**22.287**	ug/L	1.6	863.344	1219557.0	1.2
⌊>	Ho	165		ug/L		1386613.193	1397483.2	0.6

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: LCS

Sample Description: 50X
Sample Date/Time: Thursday, December 02, 2004 09:21:27
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\LCS.031

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**1.967**	ug/L	7.4	5.556	1550.9	5.6
⌊>	Sc	45		ug/L		1564423.280	1610597.3	2.1
⌈	Cr	52	**8.651**	ug/L	3.8	6991.923	121492.4	2.5
|	Mn	55	**22.605**	ug/L	2.5	698.906	504437.9	1.9
|	Cu	65	**10.866**	ug/L	0.5	25.556	42407.3	0.9
|	Zn	68	**21.791**	ug/L	0.9	213.113	43031.9	0.7
|	As	75	**84.381**	ug/L	0.7	70.579	238474.1	1.1
|	Se	82	**85.880**	ug/L	1.3	126.667	27191.4	1.3
⌊>	Ge	74		ug/L		1264370.288	1241889.8	1.2
⌈	Ag	107	**12.469**	ug/L	0.9	42.222	176103.3	0.8
|	Cd	111	**2.122**	ug/L	1.9	19.111	7062.3	1.8
|	Sb	123	**62.159**	ug/L	0.4	61.638	545309.3	0.4
|	Ba	137	**83.695**	ug/L	2.1	27.778	452049.7	2.2
⌊>	Rh	103		ug/L		1329661.454	1298799.2	0.1
⌈	Tl	203	**83.010**	ug/L	0.4	285.558	1366317.0	0.2
|	Pb	208	**21.219**	ug/L	1.2	863.344	1175714.3	1.2
⌊>	Ho	165		ug/L		1386613.193	1414885.4	0.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:24:27
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 3.032

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**49.767**	ug/L	6.2	5.556	38032.8	5.0
⌊>	Sc	45		ug/L		1564423.280	1565720.8	1.2
⌈	Cr	52	**50.829**	ug/L	2.2	6991.923	685776.1	1.6
|	Mn	55	**51.400**	ug/L	1.3	698.906	1155184.1	1.3
|	Cu	65	**51.936**	ug/L	2.3	25.556	204186.2	2.6
|	Zn	68	**52.227**	ug/L	0.5	213.113	103651.8	1.0
|	As	75	**50.948**	ug/L	0.1	70.579	145137.7	0.6
|	Se	82	**53.223**	ug/L	0.5	126.667	17031.3	1.1
⌊>	Ge	74		ug/L		1264370.288	1251537.2	0.6
⌈	Ag	107	**50.444**	ug/L	0.9	42.222	714831.4	0.4
|	Cd	111	**49.718**	ug/L	0.6	19.111	165681.0	1.7
|	Sb	123	**50.419**	ug/L	2.5	61.638	443849.0	1.4
|	Ba	137	**50.820**	ug/L	3.1	27.778	275420.3	1.9
⌊>	Rh	103		ug/L		1329661.454	1303521.9	1.3
⌈	Tl	203	**50.810**	ug/L	2.3	285.558	816048.9	1.4
|	Pb	208	**51.914**	ug/L	1.3	863.344	2805420.8	1.5
⌊>	Ho	165		ug/L		1386613.193	1380675.1	1.6

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:30:30
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 4.033

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.009**	ug/L	186.9	5.556	12.2	103.3
⌊>	Sc	45		ug/L		1564423.280	1541899.1	1.4
⌈	Cr	52	**-0.045**	ug/L	61.3	6991.923	6195.5	6.9
|	Mn	55	**0.044**	ug/L	5.7	698.906	1655.7	2.4
|	Cu	65	**0.003**	ug/L	60.6	25.556	37.8	20 4
|	Zn	68	**0.053**	ug/L	18.3	213.113	309.8	6.0
|	As	75	**0.003**	ug/L	901.9	70.579	76.6	99.7
|	Se	82	**-0.045**	ug/L	111.6	126.667	108.9	15.1
⌊>	Ge	74		ug/L		1264370.288	1227299.4	1.0
⌈	Ag	107	**0.003**	ug/L	19.0	42.222	87.8	11.0
|	Cd	111	**0.004**	ug/L	51.1	19.111	32.7	21.5
|	Sb	123	**0.034**	ug/L	18.9	61.638	351.8	15.1
|	Ba	137	**0.001**	ug/L	162.3	27.778	31.1	22.3
⌊>	Rh	103		ug/L		1329661.454	1286782.6	1.0
⌈	Tl	203	**0.047**	ug/L	15.2	285.558	1013.4	10.8
|	Pb	208	**0.006**	ug/L	10.0	863.344	1135.6	3.3
⌊>	Ho	165		ug/L		1386613.193	1350069.9	1.2

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-2

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:33:00
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-2.034

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.011**	ug/L	90.4	5.556	14.4	53.3
⌊>	Sc	45		ug/L		1564423.280	1657911.4	0.4
⌈	Cr	52	**6.097**	ug/L	3.3	6991.923	79567.2	2.1
|	Mn	55	**0.979**	ug/L	4.6	698.906	20429.1	4.5
|	Cu	65	**38.344**	ug/L	2.4	25.556	135772.3	1.6
|	Zn	68	**91.256**	ug/L	1.2	213.113	162989.7	1.4
|	As	75	**0.603**	ug/L	80.9	70.579	1614.6	77.7
|	Se	82	**0.693**	ug/L	6.7	126.667	311.1	4.3
⌊>	Ge	74		ug/L		1264370.288	1127312.5	0.9
⌈	Ag	107	**0.027**	ug/L	14.2	42.222	368.9	11.3
|	Cd	111	**-0.012**	ug/L	34.9	19.111	-17.3	65.7
|	Sb	123	**0.139**	ug/L	7.8	61.638	1097.8	7.8
|	Ba	137	**2.126**	ug/L	4.2	27.778	9895.7	3.7
⌊>	Rh	103		ug/L		1329661.454	1116979.7	1.5
⌈	Tl	203	**0.039**	ug/L	12.7	285.558	882.2	7.2
|	Pb	208	**0.335**	ug/L	2.2	863.344	18368.0	0.6
⌊>	Ho	165		ug/L		1386613.193	1339544.6	1.5

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125060-10

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:35:58
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125060-10.035

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.010**	ug/L	112.5	5.556	13.3	66.1
⌊>	Sc	45		ug/L		1564423.280	1541330.0	1.1
⌈	Cr	52	**4.291**	ug/L	3.3	6991.923	55895.4	2.4
|	Mn	55	**0.373**	ug/L	0.4	698.906	7901.1	1.0
|	Cu	65	**0.133**	ug/L	11.7	25.556	475.6	11.6
|	Zn	68	**2.443**	ug/L	9.6	213.113	4395.1	9.5
|	As	75	**-0.297**	ug/L	44.1	70.579	-676.0	48.5
|	Se	82	**0.570**	ug/L	47.4	126.667	266.7	27.9
⌊>	Ge	74		ug/L		1264370.288	1089209.8	0.6
⌈	Ag	107	**0.043**	ug/L	4.2	42.222	563.3	2.7
|	Cd	111	**0.005**	ug/L	108.1	19.111	31.6	52.4
|	Sb	123	**0.066**	ug/L	9.1	61.638	556.5	9.5
|	Ba	137	**0.085**	ug/L	9.8	27.778	421.1	9.2
⌊>	Rh	103		ug/L		1329661.454	1124748.0	1.3
⌈	Tl	203	**0.024**	ug/L	9.3	285.558	653.3	5.7
|	Pb	208	**0.022**	ug/L	12.9	863.344	2015.6	8.3
⌊>	Ho	165		ug/L		1386613.193	1342494.6	0.7

000080

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125059-5

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:38:56
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125059-5.036

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.785**	ug/L	6.0	5.556	941.1	5.3
⌊>	Sc	45		ug/L		1564423.280	2434354.0	0.7
⌈	Cr	52	**31.811**	ug/L	0.9	6991.923	358399.5	2.1
|	Mn	55	**473.290**	ug/L	1.5	698.906	8822159.3	0.2
|	Cu	65	**204.069**	ug/L	0.9	25.556	665713.7	0.5
|	Zn	68	**21.190**	ug/L	0.5	213.113	35005.0	1.0
|	As	75	**2.497**	ug/L	39.1	70.579	5958.5	38.7
|	Se	82	**1.288**	ug/L	18.9	126.667	443.3	13.6
⌊>	Ge	74		ug/L		1264370.288	1038686.0	1.3
⌈	Ag	107	**0.376**	ug/L	2.5	42.222	4358.4	3.7
|	Cd	111	**-0.176**	ug/L	7.2	19.111	-459.6	8.6
|	Sb	123	**0.233**	ug/L	8.3	61.638	1709.2	6.7
|	Ba	137	**70.206**	ug/L	2.1	27.778	308711.1	0.7
⌊>	Rh	103		ug/L		1329661.454	1057622.2	1.7
⌈	Tl	203	**0.053**	ug/L	11.2	285.558	1058.9	6.6
|	Pb	208	**13.650**	ug/L	2.8	863.344	692764.2	0.7
⌊>	Ho	165		ug/L		1386613.193	1296055.3	2.4

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 125082-1

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:41:55
Number of Replicates: 3
Batch ID: TP774
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\125082-1.037

Results (ug / l)

Dual Detector Mode

Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
Be	9	**0.016**	ug/L	28.9	5.556	16.7	20.0
Sc	45		ug/L		1564423.280	1470001.5	1.1
Cr	52	**4.185**	ug/L	6.6	6991.923	51930.8	6.0
Mn	55	**0.700**	ug/L	1.7	698.906	13560.9	1.7
Cu	65	**0.141**	ug/L	10.2	25.556	477.8	10.3
Zn	68	**2.810**	ug/L	5.7	213.113	4776.1	5.8
As	75	**0.088**	ug/L	841.3	70.579	272.6	643.9
Se	82	**0.697**	ug/L	9.5	126.667	286.7	6.5
Ge	74		ug/L		1264370.288	1034597.4	0.6
Ag	107	**0.072**	ug/L	6.0	42.222	893.4	6.0
Cd	111	**-0.006**	ug/L	173.8	19.111	0.0	145045490.8
Sb	123	**0.064**	ug/L	19.5	61.638	524.4	17.4
Ba	137	**0.123**	ug/L	7.8	27.778	587.8	8.0
Rh	103		ug/L		1329661.454	1100564.1	1.1
Tl	203	**0.011**	ug/L	33.7	285.558	427.8	13.4
Pb	208	**0.022**	ug/L	5.0	863.344	1948.9	1.8
Ho	165		ug/L		1386613.193	1297387.9	1.3

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:44:56
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 3.038

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**52.360**	ug/L	5.0	5.556	38151.3	5.1
⌊>	Sc	45		ug/L		1564423.280	1492136.1	1.2
⌈	Cr	52	**51.946**	ug/L	1.1	6991.923	636193.4	0.6
|	Mn	55	**51.590**	ug/L	1.0	698.906	1052743.2	1.7
|	Cu	65	**51.627**	ug/L	2.0	25.556	184253.0	1.3
|	Zn	68	**52.416**	ug/L	0.8	213.113	94442.7	0.5
|	As	75	**50.554**	ug/L	2.2	70.579	130743.3	1.9
|	Se	82	**50.757**	ug/L	2.7	126.667	14749.8	2.0
⌊>	Ge	74		ug/L		1264370.288	1136284.2	0.8
⌈	Ag	107	**50.371**	ug/L	2.7	42.222	650988.9	1.2
|	Cd	111	**51.849**	ug/L	3.0	19.111	157549.9	1.2
|	Sb	123	**51.594**	ug/L	1.3	61.638	414351.0	1.1
|	Ba	137	**52.599**	ug/L	3.1	27.778	260003.8	1.2
⌊>	Rh	103		ug/L		1329661.454	1189098.0	1.9
⌈	Tl	203	**53.206**	ug/L	1.4	285.558	835697.2	2.0
|	Pb	208	**52.706**	ug/L	2.8	863.344	2784379.5	1.3
⌊>	Ho	165		ug/L		1386613.193	1350196.0	2.5

000083

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Thursday, December 02, 2004 09:50:58
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\120204am\QC Std 4.039

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌈	Be	9	**0.002**	ug/L	629.0	5.556	6.7	132.3
⌊>	Sc	45		ug/L		1564423.280	1447693.0	3.2
⌈	Cr	52	**-0.148**	ug/L	9.6	6991.923	4486.0	3.0
|	Mn	55	**0.272**	ug/L	9.7	698.906	6166.9	9.1
|	Cu	65	**0.005**	ug/L	53.2	25.556	42.2	24.1
|	Zn	68	**0.198**	ug/L	21.0	213.113	546.4	12.8
|	As	75	**0.138**	ug/L	11.3	70.579	419.6	9.1
|	Se	82	**-0.040**	ug/L	111.0	126.667	102.2	13.2
⌊>	Ge	74		ug/L		1264370.288	1136098.6	0.9
⌈	Ag	107	**0.006**	ug/L	9.5	42.222	111.1	6.9
|	Cd	111	**0.011**	ug/L	70.5	19.111	52.4	47.8
|	Sb	123	**0.020**	ug/L	12.6	61.638	221.2	10.4
|	Ba	137	**0.002**	ug/L	185.6	27.778	33.3	45.8
⌊>	Rh	103		ug/L		1329661.454	1203137.6	1.0
⌈	Tl	203	**0.007**	ug/L	19.9	285.558	387.8	4.3
|	Pb	208	**0.017**	ug/L	18.2	863.344	1723.4	10.4
⌊>	Ho	165		ug/L		1386613.193	1327026.1	1.6

File Utility Help

RN⇩ RN⇧

Protocol STL-PPB

Dataset/Proto 120204 /STL-PPB

Protocol | Line Info | Cal Curve | Report | Ctrl Chart | Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 8.72677e-6

C -2.14473e-1

Rho .999607

Type Linear

☑ Calibrated

☑ Accepted

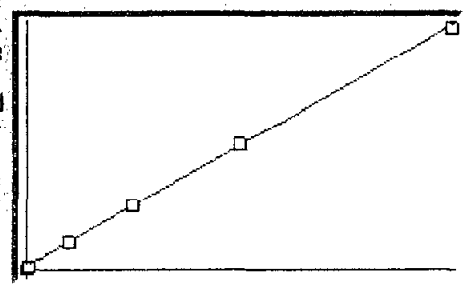
Accept

Rel. Abs.

2291438

Accepted

New



Conc. 20.0

Include S1 Rep 1☑ 2☑ 3☑ 4☐ 5☐

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.206	-.206	965	2003	3277	-203	-181
02	.10000	-.011	-.111	23282	8.12%	21944	3213 ?	24619
03	2.0000	2.04	.037	258011	4.12%	250498	213930 ?	265525
04	5.0000	5.19	.185	618725	0.74%	624020	615644	616512
05	10.000	10.3	.313	1206322	0.56%	1211145	1209298	1198526
06	20.000	19.8	-.218	2291439	0.64%	2308342	2280991	2284983

Ready NUM

Printed - 12/2/04

Mercury Digestion Log

QCBatch ID	zt216				
Sample Matrix	liquid				
Hg Spike/Stds Soln Lot #	11-35HG				
ERA/Chk Stds Spike Soln.	1001-10-10	Weighed By/Date	12/2/04		
		Extracted By/Date			
H2SO4 Lot #	8159	Comments			
HNO3 Lot #	7418				
HCL Lot #	8156				
SnCl2 Lot #	6678				
KMnO4 Lot #	6913				
K2S2O8 Lot #	6919	Spike Witness Signature/Date	12/2/04		
NaCl Lot #	8438				
Hydroxylamine Sulfate Lot #	8133				
Digestion Procedure	7470A				

QC Sample Type	QC Identifier	Sample Weight (ml)	Final Volume (ml)	MS/BS spike amt (ml)	Standards
Method Blank	zt216	50.0000	50		Blank ppb
Duplicate	125010r2	50.0000	50		0.1 ppb
Duplicate-2					2.0 ppb
Blank Spike	szt216	50.0000	50	1	5.0 ppb
Blank Spike Duplicate	dzt216	50.0000	50	1	10.0 ppb
Matrix Spike	125010s2	50.0000	50	1	20.0 ppb
Matrix Spike Duplicate	125010d2	50.0000	50	1	100
Matrix Spike-2					
ERA-B2095013		50.0000	50		100

Sample	Client Sample ID	Sample Weight (ml)	Final Volume (ml)	Comments	Check Stds
125010-1	41119SGA09G	50.0000	50	100	Blank ppb
125010-2	41119SGA10G	50.0000	50	100	5.0 ppb
125010-5	41119SGA12G	50.0000	50	100	2.0 ppb
125059-5	41122SGA11G	50.0000	50	100	4.0 ppb
125082-1	41129SGA15ER	50.0000	50	100	
125137-1	TK 401	50.0000	50	100	
					Bath Temp

Protocol: STL-PPB

POST-RUN REPORT

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 2 Ck2 4 PPB Seq: 18 14:27:00 02 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	4.02	4.00	ppb	.000 %

*** Check Standard: 3 Ck3 2 PPB Seq: 19 14:31:40 02 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.4	1.99	2.00	ppb	.000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 20 14:36:19 02 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.07	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 21 14:41:01 02 Dec 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.026	.200	ppb	.000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 22 14:46:01 02 Dec 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.04	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 23 14:51:25 02 Dec 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.017	.200	ppb	.000 %

*** Sample ID: mb-zt216 Seq: 24 14:56:03 02 Dec 04 HG

FCW Hg System#1

Hg .043 ppb .000 % .043 MB

*** Sample ID: 125010-1 Seq: 25 15:00:40 02 Dec 04 HG

FCW Hg System#1

Hg .043 ppb .000 % .043

*** Sample ID: 125010-2 Seq: 26 15:05:20 02 Dec 04 HG

FCW Hg System#1

Hg -.089 ppb .000 % -.089 Sample

*** Sample ID: 125010-2d Seq: 27 15:10:00 02 Dec 04 HG

FCW Hg System#1

Hg -.053 ppb .000 % -.053 Dup

*** Sample ID: 125010-2s Seq: 28 15:14:43 02 Dec 04 HG

FCW Hg System#1

Hg 1.87 ppb .000 % 1.87 Spike

*** Sample ID: 125010-2sd Seq: 29 15:19:22 02 Dec 04 HG

FCW Hg System#1

Hg 1.87 ppb .000 % 1.87

*** Sample ID: era Seq: 30 15:24:00 02 Dec 04 HG

FCW Hg System#1

Hg 1.86 ppb .000 % 1.86 ERA

*** Sample ID: bs Seq: 31 15:28:51 02 Dec 04 HG

FCW Hg System#1

Hg 1.78 ppb .000 % 1.78

POST-RUN REPORT

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-----------------------------------------------------------------------------

*** Sample ID: bsd                    Seq:  32     15:33:30 02 Dec 04   HG
                            FCW Hg System#1
Hg    1.82    ppb       .000  %   1.82
                                                                          =
*** Check Standard: 4  Ck4 5 PPB    Seq:  34     15:43:11 02 Dec 04   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     5.06    5.00   ppb        .000  %
                                                                          =
*** Check Standard: 1  Ck1 BLANK    Seq:  35     15:47:59 02 Dec 04   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.006     .200     ppb        .000  %
                                                                          =
*** Sample ID: 125010-5               Seq:  36     15:52:41 02 Dec 04   HG
                            FCW Hg System#1
Hg   -.101    ppb       .000  %  -.101
                                                                          =
=============================================================================
*** Sample ID: 125059-5               Seq:  37     15:57:39 02 Dec 04   HG
                            FCW Hg System#1
Hg    .487    ppb       .000  %   .487
                                                                          =
=============================================================================
*** Sample ID: 125082-1               Seq:  38     16:02:17 02 Dec 04   HG
                            FCW Hg System#1
Hg   -.163    ppb       .000  %  -.163
                                                                          =
*** Check Standard: 4  Ck4 5 PPB    Seq:  40     16:12:20 02 Dec 04   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     5.13    5.00   ppb        .000  %
                                                                          =
*** Check Standard: 1  Ck1 BLANK    Seq:  41     16:17:13 02 Dec 04   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.089     .200     ppb        .000  %
                                                                          =
```


00088

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125082**
Sample Number	**1**
Data Filename	**tp774**
Client Sample ID	**1129SGA15ERW**
Date Received	**11-30-04**
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan tp774

Sample volume (ml)		=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Antimony	0.000064			0.000064	J	0.0005
x	Barium	0.000123		2.6E-05	0.000123	J B1	0.0005
x	Chromium	0.004185			0.00419		0.0005
x	Copper	0.000141			0.000141	J	0.001
x	Manganese	0.0007		0.00035	0.0007	J B1	0.001
x	Selenium	0.000697			0.000697		0.0005
x	Silver	0.000072			0.000072	J	0.0001
x	Zinc	0.00281		0.00039	0.00281	B1	0.002

00089

STL Seattle

6a **Sample Information** 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**125082**
Sample Number	**1**
Data Filename	**tp774**
Client Sample ID	**41129SGA15ERW**
Date Received	**11-30-04**
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan tp774

Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aluminum	0.022134			0.0221	J	0.1
x	Calcium	0.078382		0.009	0.0784	J B1	1
x	Sodium	0.808511			0.809	J	1
	Zinc	0.006283			0.00628	J	0.01

000090

STL Seattle

6a **Sample Information** 6010 method is selected

Client Name	
Work Order Number	
Sample Number	Related Blan noblank
Data Filename	**tp774**
Client Sample ID	
Date Received	
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**blank**

Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fac	1
blank= PPB, 1=PPM, 2=%	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Calcium	0.009001			0.009	J	1

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blan noblank
Data Filename	**tp774**
Client Sample ID	
Date Received	
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**blank**

Sample volume (ml)		=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Barium	0.000026			0.000026	J	0.0005
x	Lead	0.000037			0.000037	J	0.0005
x	Manganese	0.000349			0.000349	J	0.001
x	Zinc	0.000389			0.000389	J	0.002

metals Worksheet - total

QC Level:Tier IV	Due: 12/10/04
Matrix:Liquid	Work Order - 125082
URS Corporation	Proj. Manager:Katie Downie

Special Instructions

Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Freeze Encores upon arrival..
Soil TOC subbed to
Grain Size subbed to

See Attached J4

Sample number 125082-1	%Solids	Client Sample ID	041129SGA15ERW
Sample Weight/Volume	QA/QC Batch TP74	Date Received	11/30/2004
		Date Sampled	**1/29/2004 10:00:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum					
Antimony		X			
Arsenic		X			
Barium		X			
Beryllium		X			
Cadmium		X			
Calcium					
Chromium		X			
Cobalt					
Copper		X			
Iron					
Lead		X			
Magnesium					
Manganese		X			
Nickel					
Potassium					
Selenium		X			
Silver		X			
Sodium					
Thallium		X			
Vanadium					
Zinc		X			

Analyst [signature] Date 12/9/04

Reviewed by [signature] Date 12/23/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

Table B
Reporting Limits
Water

Chemical	Units	Requested Minimum MRL
Metals		
Antimony	ug/L	3
Arsenic	ug/L	1
Barium	ug/L	1
Beryllium	ug/L	0.5
Cadmium	ug/L	0.5
Chromium (III)	ug/L	1
Copper	ug/L	1
Iron	ug/L	50
Lead	ug/L	0.5
Manganese	ug/L	0.5
Mercury	ug/L	0.2
Nickel	ug/L	1
Selenium	ug/L	3
Silver	ug/L	0.12
Thallium	ug/L	0.5
Zinc	ug/L	4
Pesticides and PCBs		
4,4'-DDD	ug/L	0.02
4,4'-DDE	ug/L	0.02
4,4'-DDT	ug/L	0.001
Aldrin	ug/L	0.01
alpha-BHC	ug/L	0.01
alpha-Chlordane	ug/L	0.0043
Aroclor 1016	ug/L	0.014
Aroclor 1221	ug/L	0.014
Aroclor 1232	ug/L	0.014
Aroclor 1242	ug/L	0.014
Aroclor 1248	ug/L	0.014
Aroclor 1254	ug/L	0.014
Aroclor 1260	ug/L	0.014
beta-BHC	ug/L	0.01
delta-BHC	ug/L	0.01
Dieldrin	ug/L	0.0019
Endosulfan I	ug/L	0.01
Endosulfan II	ug/L	0.02
Endosulfan sulfate	ug/L	0.02
Endrin	ug/L	0.0023
Endrin aldehyde	ug/L	0.02
Endrin ketone	ug/L	0.02
gamma-BHC (Lindane)	ug/L	0.01
gamma-Chlordane	ug/L	0.0043
Heptachlor	ug/L	0.0038
Heptachlor epoxide	ug/L	0.0038
Methoxychlor	ug/L	0.03
Toxaphene	ug/L	0.0002

000094

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125082**
Sample Number	**1**
Data Filename	**zt216**
Client Sample ID	**1129SGA15ERW**
Date Received	**11-30-04**
Date Prepared	**12-02-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan zt216

Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

000095

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blan noblank	
Data Filename	**zt216**				
Client Sample ID					
Date Received					
Date Prepared	**12-02-04**				
Date Analyzed	**12-02-04**				
Sample matrix type	**liquid**				
QC sample type	**blank**				
Sample volume (ml)	**50**	=	0.05 /L	Calc. Fact.	1
Digest volume	**50**	=	50 ml	Dry Weight	-
Dilution Factor		=	1	Sample Unit	mg/L
% Solids		=	1	Spike Factor	0.02
		=	1	Rept. Dil. Fa	1
Report in PPM	**1**	=	0.001		
mg/kg Carbon		=	1		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

Mercury (CVAA) Worksheet - total

QC Level:Tier IV	**Due: 12/10/04**	**Work Order - 125082**
Matrix:Liquid		
URS Corporation	Proj. Manager:Katie Downie	T4

Special Instructions

Bradford Island Site: Tier IV w/ attached D.L.
Report & Bill to URS Seattle, Doug McDonald
Freeze Encores upon arrival..
Soil TOC subbed to
Grain Size subbed to

See Attached

Sample number 125082-1	**%Solids**	Client Sample ID	041129SGA15ERW
Sample Weight/Volume	**QA/QC Batch** ZT216	Date Received	11/30/2004
		Date Sampled	**1/29/2004 10:00:00 AM**

Analyte Name	**ICP**	**ICPMS**	**Result**	**PQL**	**Units**
Mercury (CVAA)					

Analyst _____ Date 12/2/04

Reviewed by _____ Date 48027 12/6/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

00097

Chain of Custody
Documentation

prepared
for

U.S. ARMY CORPS OF ENGINEERS

Project: Bradford Island Upland Samples

ARI JOB NO: KU44

prepared
by

Analytical Resources, Inc.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: KU44	Turn-around Requested: Standard	Page: 1 of 1	
ARI Client Company: Army Corps of Engineers	Phone: 503.808.4953	Date: 4-10-7	Ice Present? Y
Client Contact: Kitha Chambers		No. of Coolers: ~~2~~ 1	Cooler Temps: 10.0°
Client Project Name: Bradford Island upland samples			
Client Project #:	Samplers: K Chambers / B McNamara		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

BM 4-10-7

Sample ID	Date	Time	Matrix	No. Containers	6020	7471A	8082	8270C	8081				Notes/Comments
070410BIL01SS	4-10-7	1000	Soil	5	X	X	X	X	X				
070410BIL02SS		1030											
070410BIL03SS		1100											
070410BIL04SS		1130											
~~070410BIL05SS~~		~~1200~~											
~~070410BIL06SS~~		~~1230~~											
~~070410BIL07SS~~		~~1300~~											
~~070410BIL08SS~~		~~1330~~											
~~070410BIL09SS~~		~~1400~~											

Comments/Special Instructions	Relinquished by:	Received by:	Relinquished by:	Received by:
	(Signature) [signature]	(Signature) Bob Congleton	(Signature)	(Signature)
	Printed Name: Brian P. McNamara	Printed Name: Bob Congleton	Printed Name:	Printed Name:
	Company: URS	Company: ARI	Company:	Company:
	Date & Time: 4-10-7 / 1500	Date & Time: 4/11/07 1020	Date & Time:	Date & Time:

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number: 2444	Turn-around Requested: Standard	Page: 1 of 1	
ARI Client Company: USACE	Phone: 503 808 4953	Date: 4.10.07	Ice Present? Y
Client Contact: Kita Chambers		No. of Coolers: 1	Cooler Temps: 6.5
Client Project Name: Bradford Island Upland Samples			
Client Project #:	Samplers: KChambers/BMcNamara		

Analytical Resources, Incorporated
Analytical Chemists and Consultants
4611 South 134th Place, Suite 100
Tukwila, WA 98168
206-695-6200 206-695-6201 (fax)

Sample ID	Date	Time	Matrix	No. Containers	6020	7471A	8082	8270C	8081				Notes/Comments
070410BIL05SS	4/10/07		SOIL	5	X	X	X	X	X				
070410BIL06SS	↓		↓	↓	↓	↓	↓	↓	↓				
070410BIL07SS													
070410BIL08SS													
070410BIL09SS													MS+MSD
48030													
~~070410~~ KC													

Comments/Special Instructions	Relinquished by: (Signature)	Received by: (Signature)	Relinquished by: (Signature)	Received by: (Signature)
	Printed Name: Brian P. McNamara	Printed Name: Bob Congleton	Printed Name:	Printed Name:
	Company: URS	Company: ARI	Company:	Company:
	Date & Time: 4-10-7/1500	Date & Time: 4/11/07 0020	Date & Time:	Date & Time:

Limits of Liability: *ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the Client.*

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: ~~URS~~ ACOE
Project Name: BRADFORD ISLAND
COC No:
Delivered by: FED EX
Assigned ARI Job No: KU44
Tracking No:

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	NO
Were custody papers included with the cooler?	YES	NO
Were custody papers properly filled out (ink, signed, etc.)	YES	NO
Record cooler temperature (recommended 2.0-6.0 °C for chemistry	6.5, 10 °C	

Cooler Accepted by: EC Date: 4/11/07 Time: 1020

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?	YES	NO
What kind of packing material was used?	ICE	
Was sufficient ice used (if appropriate)?	YES	NO
Were all bottles sealed in individual plastic bags?	YES	NO
Did all bottle arrive in good condition (unbroken)?	YES	NO
Were all bottle labels complete and legible?	YES	NO
Did all bottle labels and tags agree with custody papers?	YES	NO
Were all bottles used correct for the requested analyses?	YES	NO
Do any of the analyses (bottles) require preservation? (attach preservation checklist)	YES	NO
Were all VOC vials free of air bubbles? NA	YES	NO
Was sufficient amount of sample sent in each bottle?	YES	NO *

Samples Logged by: BG Congleton Date: 4/11/07 Time: 1105

***** Notify Project Manager of discrepancies or concerns *****

Explain discrepancies or negative responses:

* - NO ADDITIONAL VOLUME PROVIDED FOR MS/MSD. ENOUGH RECEIVED TO COMPLETE QC.
BAG OF ICE IN EACH COOLER W/ SAMPLES ON TOP -

By: Date:

Data Reporting Qualifiers

Effective 12/28/04

Inorganic Data

U Indicates that the target analyte was not detected at the reported concentration

* Duplicate RPD is not within established control limits

B Reported value is less than the CRDL but ≥ the Reporting Limit

N Matrix Spike recovery not within established control limits

NA Not Applicable, analyte not spiked

H The natural concentration of the spiked element is so much greater than the concentration spiked that an accurate determination of spike recovery is not possible

L Analyte concentration is ≤5 times the Reporting Limit and the replicate control limit defaults to ±1 RL instead of the normal 20% RPD

Organic Data

U Indicates that the target analyte was not detected at the reported concentration

* Flagged value is not within established control limits

B Analyte detected in an associated Method Blank at a concentration greater than one-half of ARI's Reporting Limit or 5% of the regulatory limit or 5% of the analyte concentration in the sample.

J Estimated concentration when the value is less than ARI's established reporting limits

D The spiked compound was not detected due to sample extract dilution

NR Spiked compound recovery is not reported due to chromatographic interference

E Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

S Indicates an analyte response that has saturated the detector. The calculated concentration is not valid; a dilution is required to obtain valid quantification of the analyte

NA The flagged analyte was not analyzed for

NS The flagged analyte was not spiked into the sample

M Estimated value for an analyte detected and confirmed by an analyst but with low spectral match parameters. This flag is used only for GC-MS analyses

N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification"

Y The analyte is not detected at or above the reported concentration. The reporting limit is raised due to chromatographic interference. The Y flag is equivalent to the U flag with a raised reporting limit.

C The analyte was positively identified on only one of two chromatographic columns. Chromatographic interference prevented a positive identification on the second column

P The analyte was detected on both chromatographic columns but the quantified values differ by ≥40% RPD with no obvious chromatographic interference

Geotechnical Data

A The total of all fines fractions. This flag is used to report total fines when only sieve analysis is requested and balances total grain size with sample weight.

F Samples were frozen prior to particle size determination

SM Sample matrix was not appropriate for the requested analysis. This normally refers to samples contaminated with an organic product that interferes with the sieving process and/or moisture content, porosity and saturation calculations

SS Sample did not contain the proportion of "fines" required to perform the pipette portion of the grain size analysis

W Weight of sample in some pipette aliquots was below the level required for accurate weighting

Data Summary Package

prepared
for

U.S. ARMY CORPS OF ENGINEERS

Project: Bradford Island Upland Samples

ARI JOB NO: KU44

prepared
by

Analytical Resources, Inc.

SEMIVOLATILE ORGANICS

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL01SS
SAMPLE

Lab Sample ID: KU44A
LIMS ID: 07-6219
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/25/07 14:07
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 21.2%
pH: 6.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	99	< 99 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	**Acenaphthene**	**20**	**16 J**
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL01SS
SAMPLE

Lab Sample ID: KU44A
LIMS ID: 07-6219
Matrix: Sediment
Date Analyzed: 04/25/07 14:07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**180**
86-74-8	**Carbazole**	**20**	**14 J**
120-12-7	**Anthracene**	**20**	**35**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**1,300**
129-00-0	**Pyrene**	**20**	**1,200**
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	**Benzo(a)anthracene**	**20**	**530**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**140 B**
218-01-9	**Chrysene**	**20**	**670**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**680**
207-08-9	**Benzo(k)fluoranthene**	**20**	**450**
50-32-8	**Benzo(a)pyrene**	**20**	**600**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**270**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**71**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**280**
62-75-9	N-Nitrosodimethylamine	99	< 99 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.0%	2-Fluorobiphenyl	75.2%
d14-p-Terphenyl	64.4%	d4-1,2-Dichlorobenzene	59.6%
d5-Phenol	65.1%	2-Fluorophenol	194%
2,4,6-Tribromophenol	85.3%	d4-2-Chlorophenol	69.9%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL01SS
DILUTION

Lab Sample ID: KU44A
LIMS ID: 07-6219
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 13:25
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 21.2%
pH: 6.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
106-46-7	1,4-Dichlorobenzene	59	< 59 U
100-51-6	Benzyl Alcohol	59	< 59 U
95-50-1	1,2-Dichlorobenzene	59	< 59 U
95-48-7	2-Methylphenol	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
621-64-7	N-Nitroso-Di-N-Propylamine	300	< 300 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
105-67-9	2,4-Dimethylphenol	59	< 59 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL01SS
DILUTION

Lab Sample ID: KU44A
LIMS ID: 07-6219
Matrix: Sediment
Date Analyzed: 04/24/07 13:25

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
86-30-6	N-Nitrosodiphenylamine	59	< 59 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
118-74-1	Hexachlorobenzene	59	< 59 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	**Phenanthrene**	**59**	**140**
86-74-8	Carbazole	59	< 59 U
120-12-7	**Anthracene**	**59**	**34 J**
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	**Fluoranthene**	**59**	**700**
129-00-0	**Pyrene**	**59**	**650**
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	**Benzo(a)anthracene**	**59**	**400**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**59**	**110 B**
218-01-9	**Chrysene**	**59**	**480**
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	**Benzo(b)fluoranthene**	**59**	**430**
207-08-9	**Benzo(k)fluoranthene**	**59**	**310**
50-32-8	**Benzo(a)pyrene**	**59**	**420**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**59**	**230**
53-70-3	**Dibenz(a,h)anthracene**	**59**	**60**
191-24-2	**Benzo(g,h,i)perylene**	**59**	**250**
62-75-9	N-Nitrosodimethylamine	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.4%	2-Fluorobiphenyl	60.5%
d14-p-Terphenyl	40.7%	d4-1,2-Dichlorobenzene	50.0%
d5-Phenol	55.0%	2-Fluorophenol	97.6%
2,4,6-Tribromophenol	62.0%	d4-2-Chlorophenol	57.1%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL02SS
SAMPLE

Lab Sample ID: KU44B
LIMS ID: 07-6220
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/25/07 14:40
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 15.4%
pH: 6.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	**Acenaphthene**	**20**	**23**
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL02SS
SAMPLE

Lab Sample ID: KU44B
LIMS ID: 07-6220
Matrix: Sediment
Date Analyzed: 04/25/07 14:40

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	**Fluorene**	**20**	**12 J**
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**300**
86-74-8	**Carbazole**	**20**	**21**
120-12-7	**Anthracene**	**20**	**65**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**2,100 E**
129-00-0	**Pyrene**	**20**	**2,400 E**
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	**Benzo(a)anthracene**	**20**	**960**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**140 B**
218-01-9	**Chrysene**	**20**	**1,200**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**1,200**
207-08-9	**Benzo(k)fluoranthene**	**20**	**1,100**
50-32-8	**Benzo(a)pyrene**	**20**	**1,200**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**510**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**150**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**530**
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	70.4%	2-Fluorobiphenyl	67.2%
d14-p-Terphenyl	42.8%	d4-1,2-Dichlorobenzene	52.4%
d5-Phenol	60.0%	2-Fluorophenol	164%
2,4,6-Tribromophenol	76.3%	d4-2-Chlorophenol	63.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL02SS
DILUTION

Lab Sample ID: KU44B
LIMS ID: 07-6220
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 13:58
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 15.4%
pH: 6.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
106-46-7	1,4-Dichlorobenzene	59	< 59 U
100-51-6	Benzyl Alcohol	59	< 59 U
95-50-1	1,2-Dichlorobenzene	59	< 59 U
95-48-7	2-Methylphenol	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
621-64-7	N-Nitroso-Di-N-Propylamine	300	< 300 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
105-67-9	2,4-Dimethylphenol	59	< 59 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL02SS
DILUTION

Lab Sample ID: KU44B
LIMS ID: 07-6220
Matrix: Sediment
Date Analyzed: 04/24/07 13:58

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
86-30-6	N-Nitrosodiphenylamine	59	< 59 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
118-74-1	Hexachlorobenzene	59	< 59 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	**Phenanthrene**	**59**	**250**
86-74-8	Carbazole	59	< 59 U
120-12-7	**Anthracene**	**59**	**63**
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	**Fluoranthene**	**59**	**1,300**
129-00-0	**Pyrene**	**59**	**1,400**
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	**Benzo(a)anthracene**	**59**	**720**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**59**	**110 B**
218-01-9	**Chrysene**	**59**	**900**
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	**Benzo(b)fluoranthene**	**59**	**770**
207-08-9	**Benzo(k)fluoranthene**	**59**	**610**
50-32-8	**Benzo(a)pyrene**	**59**	**760**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**59**	**400**
53-70-3	**Dibenz(a,h)anthracene**	**59**	**110**
191-24-2	**Benzo(g,h,i)perylene**	**59**	**450**
62-75-9	N-Nitrosodimethylamine	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	54.0%	2-Fluorobiphenyl	57.6%
d14-p-Terphenyl	39.0%	d4-1,2-Dichlorobenzene	47.5%
d5-Phenol	51.9%	2-Fluorophenol	92.0%
2,4,6-Tribromophenol	60.6%	d4-2-Chlorophenol	54.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL03SS
SAMPLE

Lab Sample ID: KU44C
LIMS ID: 07-6221
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/25/07 15:13
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 23.1%
pH: 6.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	**Acenaphthene**	**20**	**15 J**
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL03SS
SAMPLE

Lab Sample ID: KU44C
LIMS ID: 07-6221
Matrix: Sediment
Date Analyzed: 04/25/07 15:13

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**200**
86-74-8	**Carbazole**	**20**	**18 J**
120-12-7	**Anthracene**	**20**	**30**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**580**
129-00-0	**Pyrene**	**20**	**730**
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	**Benzo(a)anthracene**	**20**	**330**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**170 B**
218-01-9	**Chrysene**	**20**	**450**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**420**
207-08-9	**Benzo(k)fluoranthene**	**20**	**310**
50-32-8	**Benzo(a)pyrene**	**20**	**360**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**200**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**55**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**210**
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	74.8%	2-Fluorobiphenyl	71.6%
d14-p-Terphenyl	58.4%	d4-1,2-Dichlorobenzene	55.6%
d5-Phenol	64.3%	2-Fluorophenol	173%
2,4,6-Tribromophenol	81.3%	d4-2-Chlorophenol	67.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL03SS
DILUTION

Lab Sample ID: KU44C
LIMS ID: 07-6221
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 14:31
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 23.1%
pH: 6.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
106-46-7	1,4-Dichlorobenzene	59	< 59 U
100-51-6	Benzyl Alcohol	59	< 59 U
95-50-1	1,2-Dichlorobenzene	59	< 59 U
95-48-7	2-Methylphenol	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
621-64-7	N-Nitroso-Di-N-Propylamine	300	< 300 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
105-67-9	2,4-Dimethylphenol	59	< 59 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	59	< 59 U
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL03SS
DILUTION

Lab Sample ID: KU44C
LIMS ID: 07-6221
Matrix: Sediment
Date Analyzed: 04/24/07 14:31

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
86-30-6	N-Nitrosodiphenylamine	59	< 59 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
118-74-1	Hexachlorobenzene	59	< 59 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	**Phenanthrene**	**59**	**180**
86-74-8	Carbazole	59	< 59 U
120-12-7	**Anthracene**	**59**	**31 J**
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	**Fluoranthene**	**59**	**480**
129-00-0	**Pyrene**	**59**	**500**
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	**Benzo(a)anthracene**	**59**	**270**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**59**	**140 B**
218-01-9	**Chrysene**	**59**	**360**
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	**Benzo(b)fluoranthene**	**59**	**280**
207-08-9	**Benzo(k)fluoranthene**	**59**	**210**
50-32-8	**Benzo(a)pyrene**	**59**	**260**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**59**	**160**
53-70-3	**Dibenz(a,h)anthracene**	**59**	**43 J**
191-24-2	**Benzo(g,h,i)perylene**	**59**	**190**
62-75-9	N-Nitrosodimethylamine	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	58.2%	2-Fluorobiphenyl	60.6%
d14-p-Terphenyl	45.4%	d4-1,2-Dichlorobenzene	49.8%
d5-Phenol	56.7%	2-Fluorophenol	98.4%
2,4,6-Tribromophenol	65.0%	d4-2-Chlorophenol	59.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL04SS
SAMPLE

Lab Sample ID: KU44D
LIMS ID: 07-6222
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/25/07 15:46
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 21.4%
pH: 6.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	99	< 99 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	**Naphthalene**	**20**	**20**
106-47-8	4-Chloroaniline	99	< 99 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	**2-Methylnaphthalene**	**20**	**11 J**
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	**Acenaphthene**	**20**	**170**
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	**Dibenzofuran**	**20**	**31**
606-20-2	2,6-Dinitrotoluene	99	< 99 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL04SS
SAMPLE

Lab Sample ID: KU44D
LIMS ID: 07-6222
Matrix: Sediment
Date Analyzed: 04/25/07 15:46

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	**Fluorene**	**20**	**73**
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**1,500**
86-74-8	**Carbazole**	**20**	**78**
120-12-7	**Anthracene**	**20**	**180**
84-74-2	**Di-n-Butylphthalate**	**20**	**99**
206-44-0	**Fluoranthene**	**20**	**2,700 E**
129-00-0	**Pyrene**	**20**	**3,100 E**
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	**Benzo(a)anthracene**	**20**	**1,000**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**97 B**
218-01-9	**Chrysene**	**20**	**1,300**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**1,600 E**
207-08-9	**Benzo(k)fluoranthene**	**20**	**1,200**
50-32-8	**Benzo(a)pyrene**	**20**	**1,600 E**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**780**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**240**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**870**
62-75-9	N-Nitrosodimethylamine	99	< 99 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	73.6%	2-Fluorobiphenyl	70.4%
d14-p-Terphenyl	52.0%	d4-1,2-Dichlorobenzene	54.0%
d5-Phenol	60.5%	2-Fluorophenol	166%
2,4,6-Tribromophenol	80.3%	d4-2-Chlorophenol	62.9%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL04SS
DILUTION

Lab Sample ID: KU44D
LIMS ID: 07-6222
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 15:04
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 21.4%
pH: 6.1

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
106-46-7	1,4-Dichlorobenzene	59	< 59 U
100-51-6	Benzyl Alcohol	59	< 59 U
95-50-1	1,2-Dichlorobenzene	59	< 59 U
95-48-7	2-Methylphenol	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
621-64-7	N-Nitroso-Di-N-Propylamine	300	< 300 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
105-67-9	2,4-Dimethylphenol	59	< 59 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	**Acenaphthene**	**59**	**150**
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	**Dibenzofuran**	**59**	**31 J**
606-20-2	2,6-Dinitrotoluene	300	< 300 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL04SS
DILUTION

Lab Sample ID: KU44D
LIMS ID: 07-6222
Matrix: Sediment
Date Analyzed: 04/24/07 15:04

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	**Fluorene**	**59**	**70**
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
86-30-6	N-Nitrosodiphenylamine	59	< 59 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
118-74-1	Hexachlorobenzene	59	< 59 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	**Phenanthrene**	**59**	**1,000**
86-74-8	**Carbazole**	**59**	**92**
120-12-7	**Anthracene**	**59**	**170**
84-74-2	**Di-n-Butylphthalate**	**59**	**110**
206-44-0	**Fluoranthene**	**59**	**1,900**
129-00-0	**Pyrene**	**59**	**1,800**
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	**Benzo(a)anthracene**	**59**	**800**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**59**	**80 B**
218-01-9	**Chrysene**	**59**	**1,000**
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	**Benzo(b)fluoranthene**	**59**	**1,100**
207-08-9	**Benzo(k)fluoranthene**	**59**	**520**
50-32-8	**Benzo(a)pyrene**	**59**	**960**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**59**	**630**
53-70-3	**Dibenz(a,h)anthracene**	**59**	**160**
191-24-2	**Benzo(g,h,i)perylene**	**59**	**680**
62-75-9	N-Nitrosodimethylamine	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.2%	2-Fluorobiphenyl	58.4%
d14-p-Terphenyl	45.7%	d4-1,2-Dichlorobenzene	51.0%
d5-Phenol	55.3%	2-Fluorophenol	99.2%
2,4,6-Tribromophenol	66.1%	d4-2-Chlorophenol	58.0%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL05SS
SAMPLE

Lab Sample ID: KU44E
LIMS ID: 07-6223
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 05/04/07 09:40
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 18.8%
pH: 6.3

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	99	< 99 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL05SS
SAMPLE

Lab Sample ID: KU44E
LIMS ID: 07-6223
Matrix: Sediment
Date Analyzed: 05/04/07 09:40

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**66**
86-74-8	Carbazole	20	< 20 U
120-12-7	**Anthracene**	**20**	**15 J**
84-74-2	**Di-n-Butylphthalate**	**20**	**15 J**
206-44-0	**Fluoranthene**	**20**	**150**
129-00-0	**Pyrene**	**20**	**130**
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	**Benzo(a)anthracene**	**20**	**78**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**92 B**
218-01-9	**Chrysene**	**20**	**96**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**110**
207-08-9	**Benzo(k)fluoranthene**	**20**	**77**
50-32-8	**Benzo(a)pyrene**	**20**	**85**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**58**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**29**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**67**
62-75-9	N-Nitrosodimethylamine	99	< 99 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	68.0%	2-Fluorobiphenyl	69.6%
d14-p-Terphenyl	66.0%	d4-1,2-Dichlorobenzene	67.2%
d5-Phenol	69.3%	2-Fluorophenol	32.0%
2,4,6-Tribromophenol	73.6%	d4-2-Chlorophenol	70.4%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL06SS
SAMPLE

Lab Sample ID: KU44F
LIMS ID: 07-6224
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 05/04/07 10:11
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 22.6%
pH: 6.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	99	< 99 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	**Benzoic Acid**	**200**	**130 J**
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	**Acenaphthene**	**20**	**24**
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL06SS
SAMPLE

Lab Sample ID: KU44F
LIMS ID: 07-6224
Matrix: Sediment
Date Analyzed: 05/04/07 10:11

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	**Fluorene**	**20**	**13 J**
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**180**
86-74-8	**Carbazole**	**20**	**21**
120-12-7	**Anthracene**	**20**	**34**
84-74-2	**Di-n-Butylphthalate**	**20**	**1,800 E**
206-44-0	**Fluoranthene**	**20**	**460**
129-00-0	**Pyrene**	**20**	**360**
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	**Benzo(a)anthracene**	**20**	**250**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**150 B**
218-01-9	**Chrysene**	**20**	**280**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**310**
207-08-9	**Benzo(k)fluoranthene**	**20**	**220**
50-32-8	**Benzo(a)pyrene**	**20**	**240**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**160**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**76**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**160**
62-75-9	N-Nitrosodimethylamine	99	< 99 U

Reported in μg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	75.6%	2-Fluorobiphenyl	73.2%
d14-p-Terphenyl	66.0%	d4-1,2-Dichlorobenzene	71.6%
d5-Phenol	71.5%	2-Fluorophenol	32.3%
2,4,6-Tribromophenol	82.4%	d4-2-Chlorophenol	73.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL06SS
DILUTION

Lab Sample ID: KU44F
LIMS ID: 07-6224
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 16:10
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.4 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 22.6%
pH: 6.0

CAS Number	Analyte	RL	Result
108-95-2	Phenol	60	< 60 U
111-44-4	Bis-(2-Chloroethyl) Ether	60	< 60 U
95-57-8	2-Chlorophenol	60	< 60 U
541-73-1	1,3-Dichlorobenzene	60	< 60 U
106-46-7	1,4-Dichlorobenzene	60	< 60 U
100-51-6	Benzyl Alcohol	60	< 60 U
95-50-1	1,2-Dichlorobenzene	60	< 60 U
95-48-7	2-Methylphenol	60	< 60 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	60	< 60 U
106-44-5	4-Methylphenol	60	< 60 U
621-64-7	N-Nitroso-Di-N-Propylamine	300	< 300 U
67-72-1	Hexachloroethane	60	< 60 U
98-95-3	Nitrobenzene	60	< 60 U
78-59-1	Isophorone	60	< 60 U
88-75-5	2-Nitrophenol	300	< 300 U
105-67-9	2,4-Dimethylphenol	60	< 60 U
65-85-0	Benzoic Acid	600	< 600 U
111-91-1	bis(2-Chloroethoxy) Methane	60	< 60 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	60	< 60 U
91-20-3	Naphthalene	60	< 60 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	60	< 60 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	60	< 60 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	60	< 60 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	60	< 60 U
208-96-8	Acenaphthylene	60	< 60 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	Acenaphthene	60	< 60 U
51-28-5	2,4-Dinitrophenol	600	< 600 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	Dibenzofuran	60	< 60 U
606-20-2	2,6-Dinitrotoluene	300	< 300 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL06SS
DILUTION

Lab Sample ID: KU44F
LIMS ID: 07-6224
Matrix: Sediment
Date Analyzed: 04/24/07 16:10

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	60	< 60 U
7005-72-3	4-Chlorophenyl-phenylether	60	< 60 U
86-73-7	Fluorene	60	< 60 U
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	600	< 600 U
86-30-6	N-Nitrosodiphenylamine	60	< 60 U
101-55-3	4-Bromophenyl-phenylether	60	< 60 U
118-74-1	Hexachlorobenzene	60	< 60 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	**Phenanthrene**	**60**	**110**
86-74-8	Carbazole	60	< 60 U
120-12-7	Anthracene	60	< 60 U
84-74-2	**Di-n-Butylphthalate**	**60**	**2,200**
206-44-0	**Fluoranthene**	**60**	**260**
129-00-0	**Pyrene**	**60**	**270**
85-68-7	Butylbenzylphthalate	60	< 60 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	**Benzo(a)anthracene**	**60**	**140**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**60**	**87 B**
218-01-9	**Chrysene**	**60**	**180**
117-84-0	Di-n-Octyl phthalate	60	< 60 U
205-99-2	**Benzo(b)fluoranthene**	**60**	**140**
207-08-9	**Benzo(k)fluoranthene**	**60**	**100**
50-32-8	**Benzo(a)pyrene**	**60**	**120**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**60**	**99**
53-70-3	Dibenz(a,h)anthracene	60	< 60 U
191-24-2	**Benzo(g,h,i)perylene**	**60**	**110**
62-75-9	N-Nitrosodimethylamine	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	50.9%	2-Fluorobiphenyl	51.8%
d14-p-Terphenyl	45.6%	d4-1,2-Dichlorobenzene	43.7%
d5-Phenol	48.5%	2-Fluorophenol	91.2%
2,4,6-Tribromophenol	58.1%	d4-2-Chlorophenol	49.1%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL07SS
SAMPLE

Lab Sample ID: KU44G
LIMS ID: 07-6225
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 16:43
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 24.6%
pH: 6.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
106-46-7	1,4-Dichlorobenzene	59	< 59 U
100-51-6	Benzyl Alcohol	59	< 59 U
95-50-1	1,2-Dichlorobenzene	59	< 59 U
95-48-7	2-Methylphenol	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
621-64-7	N-Nitroso-Di-N-Propylamine	300	< 300 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	300	< 300 U
105-67-9	2,4-Dimethylphenol	59	< 59 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	300	< 300 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	300	< 300 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	300	< 300 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	300	< 300 U
88-06-2	2,4,6-Trichlorophenol	300	< 300 U
95-95-4	2,4,5-Trichlorophenol	300	< 300 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	300	< 300 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	300	< 300 U
83-32-9	**Acenaphthene**	**59**	**270**
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	300	< 300 U
132-64-9	**Dibenzofuran**	**59**	**36 J**
606-20-2	2,6-Dinitrotoluene	300	< 300 U

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL07SS
SAMPLE

Lab Sample ID: KU44G
LIMS ID: 07-6225
Matrix: Sediment
Date Analyzed: 04/24/07 16:43

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	300	< 300 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	**Fluorene**	**59**	**140**
100-01-6	4-Nitroaniline	300	< 300 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
86-30-6	N-Nitrosodiphenylamine	59	< 59 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
118-74-1	Hexachlorobenzene	59	< 59 U
87-86-5	Pentachlorophenol	300	< 300 U
85-01-8	**Phenanthrene**	**59**	**3,000**
86-74-8	**Carbazole**	**59**	**210**
120-12-7	**Anthracene**	**59**	**740**
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	**Fluoranthene**	**59**	**14,000 E**
129-00-0	**Pyrene**	**59**	**9,100 E**
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	300	< 300 U
56-55-3	**Benzo(a)anthracene**	**59**	**4,500**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**59**	**420 B**
218-01-9	**Chrysene**	**59**	**5,900 E**
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	**Benzo(b)fluoranthene**	**59**	**8,200 E**
207-08-9	**Benzo(k)fluoranthene**	**59**	**2,500**
50-32-8	**Benzo(a)pyrene**	**59**	**6,200 E**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**59**	**2,100**
53-70-3	**Dibenz(a,h)anthracene**	**59**	**730**
191-24-2	**Benzo(g,h,i)perylene**	**59**	**1,800**
62-75-9	N-Nitrosodimethylamine	300	< 300 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	53.3%	2-Fluorobiphenyl	53.9%
d14-p-Terphenyl	22.1%	d4-1,2-Dichlorobenzene	46.3%
d5-Phenol	49.9%	2-Fluorophenol	86.4%
2,4,6-Tribromophenol	59.5%	d4-2-Chlorophenol	52.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL07SS
DILUTION

Lab Sample ID: KU44G
LIMS ID: 07-6225
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 05/04/07 12:14
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 30.0
Percent Moisture: 24.6%
pH: 6.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	590	< 590 U
111-44-4	Bis-(2-Chloroethyl) Ether	590	< 590 U
95-57-8	2-Chlorophenol	590	< 590 U
541-73-1	1,3-Dichlorobenzene	590	< 590 U
106-46-7	1,4-Dichlorobenzene	590	< 590 U
100-51-6	Benzyl Alcohol	590	< 590 U
95-50-1	1,2-Dichlorobenzene	590	< 590 U
95-48-7	2-Methylphenol	590	< 590 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	590	< 590 U
106-44-5	4-Methylphenol	590	< 590 U
621-64-7	N-Nitroso-Di-N-Propylamine	3,000	< 3,000 U
67-72-1	Hexachloroethane	590	< 590 U
98-95-3	Nitrobenzene	590	< 590 U
78-59-1	Isophorone	590	< 590 U
88-75-5	2-Nitrophenol	3,000	< 3,000 U
105-67-9	2,4-Dimethylphenol	590	< 590 U
65-85-0	Benzoic Acid	5,900	< 5,900 U
111-91-1	bis(2-Chloroethoxy) Methane	590	< 590 U
120-83-2	2,4-Dichlorophenol	3,000	< 3,000 U
120-82-1	1,2,4-Trichlorobenzene	590	< 590 U
91-20-3	Naphthalene	590	< 590 U
106-47-8	4-Chloroaniline	3,000	< 3,000 U
87-68-3	Hexachlorobutadiene	590	< 590 U
59-50-7	4-Chloro-3-methylphenol	3,000	< 3,000 U
91-57-6	2-Methylnaphthalene	590	< 590 U
77-47-4	Hexachlorocyclopentadiene	3,000	< 3,000 U
88-06-2	2,4,6-Trichlorophenol	3,000	< 3,000 U
95-95-4	2,4,5-Trichlorophenol	3,000	< 3,000 U
91-58-7	2-Chloronaphthalene	590	< 590 U
88-74-4	2-Nitroaniline	3,000	< 3,000 U
131-11-3	Dimethylphthalate	590	< 590 U
208-96-8	Acenaphthylene	590	< 590 U
99-09-2	3-Nitroaniline	3,000	< 3,000 U
83-32-9	**Acenaphthene**	**590**	**410 J**
51-28-5	2,4-Dinitrophenol	5,900	< 5,900 U
100-02-7	4-Nitrophenol	3,000	< 3,000 U
132-64-9	Dibenzofuran	590	< 590 U
606-20-2	2,6-Dinitrotoluene	3,000	< 3,000 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL07SS
DILUTION

Lab Sample ID: KU44G
LIMS ID: 07-6225
Matrix: Sediment
Date Analyzed: 05/04/07 12:14

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	3,000	< 3,000 U
84-66-2	Diethylphthalate	590	< 590 U
7005-72-3	4-Chlorophenyl-phenylether	590	< 590 U
86-73-7	Fluorene	590	< 590 U
100-01-6	4-Nitroaniline	3,000	< 3,000 U
534-52-1	4,6-Dinitro-2-Methylphenol	5,900	< 5,900 U
86-30-6	N-Nitrosodiphenylamine	590	< 590 U
101-55-3	4-Bromophenyl-phenylether	590	< 590 U
118-74-1	Hexachlorobenzene	590	< 590 U
87-86-5	Pentachlorophenol	3,000	< 3,000 U
85-01-8	**Phenanthrene**	**590**	**3,000**
86-74-8	**Carbazole**	**590**	**340 J**
120-12-7	**Anthracene**	**590**	**1,000**
84-74-2	Di-n-Butylphthalate	590	< 590 U
206-44-0	**Fluoranthene**	**590**	**9,300**
129-00-0	**Pyrene**	**590**	**9,200**
85-68-7	Butylbenzylphthalate	590	< 590 U
91-94-1	3,3'-Dichlorobenzidine	3,000	< 3,000 U
56-55-3	**Benzo(a)anthracene**	**590**	**5,200**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**590**	**760 B**
218-01-9	**Chrysene**	**590**	**5,600**
117-84-0	Di-n-Octyl phthalate	590	< 590 U
205-99-2	**Benzo(b)fluoranthene**	**590**	**4,600**
207-08-9	**Benzo(k)fluoranthene**	**590**	**4,500**
50-32-8	**Benzo(a)pyrene**	**590**	**5,100**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**590**	**2,500**
53-70-3	**Dibenz(a,h)anthracene**	**590**	**590**
191-24-2	**Benzo(g,h,i)perylene**	**590**	**2,600**
62-75-9	N-Nitrosodimethylamine	3,000	< 3,000 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	72.0%	2-Fluorobiphenyl	84.0%
d14-p-Terphenyl	75.6%	d4-1,2-Dichlorobenzene	78.0%
d5-Phenol	74.4%	2-Fluorophenol	74.4%
2,4,6-Tribromophenol	71.2%	d4-2-Chlorophenol	77.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL08SS
SAMPLE

Lab Sample ID: KU44H
LIMS ID: 07-6226
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/25/07 17:59
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 51.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 21.4%
pH: 4.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	98	< 98 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	98	< 98 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	98	< 98 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	98	< 98 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	98	< 98 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	98	< 98 U
88-06-2	2,4,6-Trichlorophenol	98	< 98 U
95-95-4	2,4,5-Trichlorophenol	98	< 98 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	98	< 98 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	98	< 98 U
83-32-9	**Acenaphthene**	**20**	**46**
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	98	< 98 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	98	< 98 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL08SS
SAMPLE

Lab Sample ID: KU44H
LIMS ID: 07-6226
Matrix: Sediment
Date Analyzed: 04/25/07 17:59

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	98	< 98 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	**Fluorene**	**20**	**24**
100-01-6	4-Nitroaniline	98	< 98 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	98	< 98 U
85-01-8	**Phenanthrene**	**20**	**550**
86-74-8	**Carbazole**	**20**	**35**
120-12-7	**Anthracene**	**20**	**110**
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	**Fluoranthene**	**20**	**2,800 E**
129-00-0	**Pyrene**	**20**	**2,900 E**
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	98	< 98 U
56-55-3	**Benzo(a)anthracene**	**20**	**1,000**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**280 B**
218-01-9	**Chrysene**	**20**	**1,400**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**1,500**
207-08-9	**Benzo(k)fluoranthene**	**20**	**990**
50-32-8	**Benzo(a)pyrene**	**20**	**1,300**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**530**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**160**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**480**
62-75-9	N-Nitrosodimethylamine	98	< 98 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	64.4%	2-Fluorobiphenyl	59.6%
d14-p-Terphenyl	34.8%	d4-1,2-Dichlorobenzene	48.0%
d5-Phenol	53.3%	2-Fluorophenol	149%
2,4,6-Tribromophenol	69.1%	d4-2-Chlorophenol	56.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL08SS
DILUTION

Lab Sample ID: KU44H
LIMS ID: 07-6226
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 17:16
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 51.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Percent Moisture: 21.4%
pH: 4.6

CAS Number	Analyte	RL	Result
108-95-2	Phenol	59	< 59 U
111-44-4	Bis-(2-Chloroethyl) Ether	59	< 59 U
95-57-8	2-Chlorophenol	59	< 59 U
541-73-1	1,3-Dichlorobenzene	59	< 59 U
106-46-7	1,4-Dichlorobenzene	59	< 59 U
100-51-6	Benzyl Alcohol	59	< 59 U
95-50-1	1,2-Dichlorobenzene	59	< 59 U
95-48-7	2-Methylphenol	59	< 59 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	59	< 59 U
106-44-5	4-Methylphenol	59	< 59 U
621-64-7	N-Nitroso-Di-N-Propylamine	290	< 290 U
67-72-1	Hexachloroethane	59	< 59 U
98-95-3	Nitrobenzene	59	< 59 U
78-59-1	Isophorone	59	< 59 U
88-75-5	2-Nitrophenol	290	< 290 U
105-67-9	2,4-Dimethylphenol	59	< 59 U
65-85-0	Benzoic Acid	590	< 590 U
111-91-1	bis(2-Chloroethoxy) Methane	59	< 59 U
120-83-2	2,4-Dichlorophenol	290	< 290 U
120-82-1	1,2,4-Trichlorobenzene	59	< 59 U
91-20-3	Naphthalene	59	< 59 U
106-47-8	4-Chloroaniline	290	< 290 U
87-68-3	Hexachlorobutadiene	59	< 59 U
59-50-7	4-Chloro-3-methylphenol	290	< 290 U
91-57-6	2-Methylnaphthalene	59	< 59 U
77-47-4	Hexachlorocyclopentadiene	290	< 290 U
88-06-2	2,4,6-Trichlorophenol	290	< 290 U
95-95-4	2,4,5-Trichlorophenol	290	< 290 U
91-58-7	2-Chloronaphthalene	59	< 59 U
88-74-4	2-Nitroaniline	290	< 290 U
131-11-3	Dimethylphthalate	59	< 59 U
208-96-8	Acenaphthylene	59	< 59 U
99-09-2	3-Nitroaniline	290	< 290 U
83-32-9	**Acenaphthene**	**59**	**42 J**
51-28-5	2,4-Dinitrophenol	590	< 590 U
100-02-7	4-Nitrophenol	290	< 290 U
132-64-9	Dibenzofuran	59	< 59 U
606-20-2	2,6-Dinitrotoluene	290	< 290 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL08SS
DILUTION

Lab Sample ID: KU44H
LIMS ID: 07-6226
Matrix: Sediment
Date Analyzed: 04/24/07 17:16

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	290	< 290 U
84-66-2	Diethylphthalate	59	< 59 U
7005-72-3	4-Chlorophenyl-phenylether	59	< 59 U
86-73-7	Fluorene	59	< 59 U
100-01-6	4-Nitroaniline	290	< 290 U
534-52-1	4,6-Dinitro-2-Methylphenol	590	< 590 U
86-30-6	N-Nitrosodiphenylamine	59	< 59 U
101-55-3	4-Bromophenyl-phenylether	59	< 59 U
118-74-1	Hexachlorobenzene	59	< 59 U
87-86-5	Pentachlorophenol	290	< 290 U
85-01-8	**Phenanthrene**	**59**	**410**
86-74-8	**Carbazole**	**59**	**37 J**
120-12-7	**Anthracene**	**59**	**100**
84-74-2	Di-n-Butylphthalate	59	< 59 U
206-44-0	**Fluoranthene**	**59**	**1,500**
129-00-0	**Pyrene**	**59**	**1,600**
85-68-7	Butylbenzylphthalate	59	< 59 U
91-94-1	3,3'-Dichlorobenzidine	290	< 290 U
56-55-3	**Benzo(a)anthracene**	**59**	**740**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**59**	**210 B**
218-01-9	**Chrysene**	**59**	**950**
117-84-0	Di-n-Octyl phthalate	59	< 59 U
205-99-2	**Benzo(b)fluoranthene**	**59**	**740**
207-08-9	**Benzo(k)fluoranthene**	**59**	**680**
50-32-8	**Benzo(a)pyrene**	**59**	**800**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**59**	**390**
53-70-3	**Dibenz(a,h)anthracene**	**59**	**110**
191-24-2	**Benzo(g,h,i)perylene**	**59**	**380**
62-75-9	N-Nitrosodimethylamine	290	< 290 U

Reported in μg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	50.6%	2-Fluorobiphenyl	51.1%
d14-p-Terphenyl	32.4%	d4-1,2-Dichlorobenzene	42.7%
d5-Phenol	45.7%	2-Fluorophenol	77.3%
2,4,6-Tribromophenol	53.5%	d4-2-Chlorophenol	48.1%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL09SS
SAMPLE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 05/04/07 10:41
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 25.2%
pH: 6.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	**Benzyl Alcohol**	**20**	**14 J**
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	99	< 99 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	99	< 99 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	**Benzoic Acid**	**200**	**140 J**
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	99	< 99 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	99	< 99 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	99	< 99 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	99	< 99 U
88-06-2	2,4,6-Trichlorophenol	99	< 99 U
95-95-4	2,4,5-Trichlorophenol	99	< 99 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	99	< 99 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	99	< 99 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	99	< 99 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	99	< 99 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL09SS
SAMPLE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Date Analyzed: 05/04/07 10:41

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	99	< 99 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	**Fluorene**	**20**	**10 J**
100-01-6	4-Nitroaniline	99	< 99 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	99	< 99 U
85-01-8	**Phenanthrene**	**20**	**160**
86-74-8	**Carbazole**	**20**	**16 J**
120-12-7	**Anthracene**	**20**	**30**
84-74-2	**Di-n-Butylphthalate**	**20**	**70**
206-44-0	**Fluoranthene**	**20**	**300**
129-00-0	**Pyrene**	**20**	**240**
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	99	< 99 U
56-55-3	**Benzo(a)anthracene**	**20**	**180**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**140 B**
218-01-9	**Chrysene**	**20**	**190**
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	**Benzo(b)fluoranthene**	**20**	**170**
207-08-9	**Benzo(k)fluoranthene**	**20**	**130**
50-32-8	**Benzo(a)pyrene**	**20**	**140**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**74**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**18 J**
191-24-2	**Benzo(g,h,i)perylene**	**20**	**75**
62-75-9	N-Nitrosodimethylamine	99	< 99 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	57.6%	2-Fluorobiphenyl	56.8%
d14-p-Terphenyl	50.4%	d4-1,2-Dichlorobenzene	56.0%
d5-Phenol	57.3%	2-Fluorophenol	29.1%
2,4,6-Tribromophenol	61.3%	d4-2-Chlorophenol	58.1%

ANALYTICAL RESOURCES INCORPORATED

SW8270 SEMIVOLATILES SOIL/SEDIMENT SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples

Client ID	NBZ	FBP	TPH	DCB	PHL	2FP	TBP	2CP	TOT OUT
070410BIL01SS	72.0%	75.2%	64.4%	59.6%	65.1%	194%*	85.3%	69.9%	1
070410BIL01SS DL	56.4%	60.5%	40.7%	50.0%	55.0%	97.6%*	62.0%	57.1%	1
070410BIL02SS	70.4%	67.2%	42.8%	52.4%	60.0%	164%*	76.3%	63.5%	1
070410BIL02SS DL	54.0%	57.6%	39.0%	47.5%	51.9%	92.0%*	60.6%	54.4%	1
070410BIL03SS	74.8%	71.6%	58.4%	55.6%	64.3%	173%*	81.3%	67.2%	1
070410BIL03SS DL	58.2%	60.6%	45.4%	49.8%	56.7%	98.4%*	65.0%	59.0%	1
070410BIL04SS	73.6%	70.4%	52.0%	54.0%	60.5%	166%*	80.3%	62.9%	1
070410BIL04SS DL	56.2%	58.4%	45.7%	51.0%	55.3%	99.2%*	66.1%	58.0%	1
070410BIL05SS	68.0%	69.6%	66.0%	67.2%	69.3%	32.0%	73.6%	70.4%	0
070410BIL06SS	75.6%	73.2%	66.0%	71.6%	71.5%	32.3%	82.4%	73.6%	0
070410BIL06SS DL	50.9%	51.8%	45.6%	43.7%	48.5%	91.2%*	58.1%	49.1%	1
070410BIL07SS	53.3%	53.9%	22.1%	46.3%	49.9%	86.4%*	59.5%	52.0%	1
070410BIL07SS DL	72.0%	84.0%	75.6%	78.0%	74.4%	74.4%	71.2%	77.6%	0
070410BIL08SS	64.4%	59.6%	34.8%	48.0%	53.3%	149%*	69.1%	56.0%	1
070410BIL08SS DL	50.6%	51.1%	32.4%	42.7%	45.7%	77.3%	53.5%	48.1%	0
MB-041907	60.4%	66.4%	84.0%	55.6%	61.1%	122%*	73.3%	62.9%	1
LCS-041907	56.4%	54.0%	51.6%	58.8%	57.6%	118%*	65.6%	59.2%	1
070410BIL09SS	57.6%	56.8%	50.4%	56.0%	57.3%	29.1%	61.3%	58.1%	0
070410BIL09SS MS	65.6%	64.0%	56.8%	65.2%	65.6%	31.7%	71.7%	66.7%	0
070410BIL09SS MSD	52.0%	50.8%	44.4%	50.4%	51.7%	26.4%	56.5%	52.8%	0

	LCS/MB LIMITS	QC LIMITS
(NBZ) = d5-Nitrobenzene	(42-79)	(26-88)
(FBP) = 2-Fluorobiphenyl	(43-80)	(34-91)
(TPH) = d14-p-Terphenyl	(39-105)	(22-100)
(DCB) = d4-1,2-Dichlorobenzene	(38-79)	(24-90)
(PHL) = d5-Phenol	(42-82)	(25-86)
(2FP) = 2-Fluorophenol	(26-83)	(11-84)
(TBP) = 2,4,6-Tribromophenol	(41-94)	(25-107)
(2CP) = d4-2-Chlorophenol	(43-80)	(23-91)

Prep Method: SW3550B
Log Number Range: 07-6219 to 07-6227

FORM-II SW8270

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS
Page 1 of 1

Sample ID: 070410BIL09SS
MS/MSD

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted MS/MSD: 04/19/07

Date Analyzed MS: 05/04/07 11:12
MSD: 05/04/07 11:43
Instrument/Analyst MS: NT4/LJR
MSD: NT4/LJR
GPC Cleanup: YES

Sample Amount MS: 50.2 g-dry-wt
MSD: 50.2 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.00
MSD: 1.00
Percent Moisture: 25.2 %
pH: 6.2

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Phenol	< 19.9	423	747	56.6%	340	747	45.5%	21.8%
2-Chlorophenol	< 19.9	443	747	59.3%	356	747	47.7%	21.8%
1,4-Dichlorobenzene	< 19.9	291	498	58.4%	231	498	46.4%	23.0%
N-Nitroso-Di-N-Propylamine	< 99.4	353	498	70.9%	276	498	55.4%	24.5%
1,2,4-Trichlorobenzene	< 19.9	302	498	60.6%	243	498	48.8%	21.7%
4-Chloro-3-methylphenol	< 99.4	467	747	62.5%	384	747	51.4%	19.5%
Acenaphthene	< 19.9	309	498	62.0%	253	498	50.8%	19.9%
4-Nitrophenol	< 99.4	486	747	65.1%	394	747	52.7%	20.9%
2,4-Dinitrotoluene	< 99.4	306	498	61.4%	255	498	51.2%	18.2%
Pentachlorophenol	< 99.4	538	747	72.0%	448	747	60.0%	18.3%
Pyrene	245	686	498	88.6%	457	498	42.6%	40.1%
Di-n-Octyl phthalate	< 19.9	299	498	60.0%	246	498	49.4%	19.4%
Benzo(g,h,i)perylene	75.0	363	498	57.8%	289	498	43.0%	22.7%

Results reported in µg/kg
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL09SS
MATRIX SPIKE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 05/04/07 11:12
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 25.2%
pH: 6.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	---
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	---
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	---
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	100	---
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
120-82-1	1,2,4-Trichlorobenzene	20	---
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	100	---
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	---
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	---
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL09SS
MATRIX SPIKE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Date Analyzed: 05/04/07 11:12

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	100	---
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	**Fluorene**	**20**	**12 J**
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	100	---
85-01-8	**Phenanthrene**	**20**	**240**
86-74-8	**Carbazole**	**20**	**24**
120-12-7	**Anthracene**	**20**	**58**
84-74-2	**Di-n-Butylphthalate**	**20**	**16 J**
206-44-0	**Fluoranthene**	**20**	**600**
129-00-0	Pyrene	20	---
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	**Benzo(a)anthracene**	**20**	**330**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**160 B**
218-01-9	**Chrysene**	**20**	**350**
117-84-0	Di-n-Octyl phthalate	20	---
205-99-2	**Benzo(b)fluoranthene**	**20**	**320**
207-08-9	**Benzo(k)fluoranthene**	**20**	**210**
50-32-8	**Benzo(a)pyrene**	**20**	**250**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**130**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**30**
191-24-2	Benzo(g,h,i)perylene	20	---
62-75-9	N-Nitrosodimethylamine	100	< 100 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	65.6%	2-Fluorobiphenyl	64.0%
d14-p-Terphenyl	56.8%	d4-1,2-Dichlorobenzene	65.2%
d5-Phenol	65.6%	2-Fluorophenol	31.7%
2,4,6-Tribromophenol	71.7%	d4-2-Chlorophenol	66.7%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL09SS
MATRIX SPIKE DUPLICATE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 05/04/07 11:43
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: 25.2%
pH: 6.2

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	---
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	---
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	---
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	100	---
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
120-82-1	1,2,4-Trichlorobenzene	20	---
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	100	---
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	---
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	---
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: 070410BIL09SS
MATRIX SPIKE DUPLICATE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Date Analyzed: 05/04/07 11:43

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	100	---
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	100	---
85-01-8	**Phenanthrene**	**20**	**150**
86-74-8	**Carbazole**	**20**	**17 J**
120-12-7	**Anthracene**	**20**	**31**
84-74-2	**Di-n-Butylphthalate**	**20**	**58**
206-44-0	**Fluoranthene**	**20**	**340**
129-00-0	Pyrene	20	---
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	**Benzo(a)anthracene**	**20**	**190**
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**160 B**
218-01-9	**Chrysene**	**20**	**210**
117-84-0	Di-n-Octyl phthalate	20	---
205-99-2	**Benzo(b)fluoranthene**	**20**	**190**
207-08-9	**Benzo(k)fluoranthene**	**20**	**150**
50-32-8	**Benzo(a)pyrene**	**20**	**160**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**20**	**88**
53-70-3	**Dibenz(a,h)anthracene**	**20**	**21**
191-24-2	Benzo(g,h,i)perylene	20	---
62-75-9	N-Nitrosodimethylamine	100	< 100 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	52.0%	2-Fluorobiphenyl	50.8%
d14-p-Terphenyl	44.4%	d4-1,2-Dichlorobenzene	50.4%
d5-Phenol	51.7%	2-Fluorophenol	26.4%
2,4,6-Tribromophenol	56.5%	d4-2-Chlorophenol	52.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: LCS-041907
LAB CONTROL

Lab Sample ID: LCS-041907
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 12:52
Instrument/Analyst: NT4/LJR
GPC Cleanup: YES

Sample Amount: 50.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

Analyte	Lab Control	Spike Added	Recovery
Phenol	305	500	61.0%
Bis-(2-Chloroethyl) Ether	278	500	55.6%
2-Chlorophenol	287	500	57.4%
1,3-Dichlorobenzene	271	500	54.2%
1,4-Dichlorobenzene	269	500	53.8%
Benzyl Alcohol	683	1000	68.3%
1,2-Dichlorobenzene	288	500	57.6%
2-Methylphenol	314	500	62.8%
2,2'-Oxybis(1-Chloropropane)	279	500	55.8%
4-Methylphenol	664	1000	66.4%
N-Nitroso-Di-N-Propylamine	280	500	56.0%
Hexachloroethane	286	500	57.2%
Nitrobenzene	287	500	57.4%
Isophorone	299	500	59.8%
2-Nitrophenol	298	500	59.6%
2,4-Dimethylphenol	294	500	58.8%
Benzoic Acid	1120	1500	74.7%
bis(2-Chloroethoxy) Methane	290	500	58.0%
2,4-Dichlorophenol	332	500	66.4%
1,2,4-Trichlorobenzene	299	500	59.8%
Naphthalene	294	500	58.8%
4-Chloroaniline	585	1200	48.8%
Hexachlorobutadiene	319	500	63.8%
4-Chloro-3-methylphenol	321	500	64.2%
2-Methylnaphthalene	299	500	59.8%
Hexachlorocyclopentadiene	880	1500	58.7%
2,4,6-Trichlorophenol	303	500	60.6%
2,4,5-Trichlorophenol	305	500	61.0%
2-Chloronaphthalene	281	500	56.2%
2-Nitroaniline	292	500	58.4%
Dimethylphthalate	331	500	66.2%
Acenaphthylene	279	500	55.8%
3-Nitroaniline	755	1280	59.0%
Acenaphthene	286	500	57.2%
2,4-Dinitrophenol	1110	1500	74.0%
4-Nitrophenol	335	500	67.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: LCS-041907
LAB CONTROL

Lab Sample ID: LCS-041907
LIMS ID: 07-6227
Matrix: Sediment
Date Analyzed: 04/24/07 12:52

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples

Analyte	Lab Control	Spike Added	Recovery
Dibenzofuran	294	500	58.8%
2,6-Dinitrotoluene	292	500	58.4%
2,4-Dinitrotoluene	298	500	59.6%
Diethylphthalate	313	500	62.6%
4-Chlorophenyl-phenylether	286	500	57.2%
Fluorene	294	500	58.8%
4-Nitroaniline	231	500	46.2%
4,6-Dinitro-2-Methylphenol	1080	1500	72.0%
N-Nitrosodiphenylamine	323	500	64.6%
4-Bromophenyl-phenylether	336	500	67.2%
Hexachlorobenzene	333	500	66.6%
Pentachlorophenol	306	500	61.2%
Phenanthrene	328	500	65.6%
Carbazole	310	500	62.0%
Anthracene	309	500	61.8%
Di-n-Butylphthalate	328	500	65.6%
Fluoranthene	366	500	73.2%
Pyrene	272	500	54.4%
Butylbenzylphthalate	250	500	50.0%
3,3'-Dichlorobenzidine	648	1280	50.6%
Benzo(a)anthracene	273	500	54.6%
bis(2-Ethylhexyl)phthalate	312	500	62.4%
Chrysene	254	500	50.8%
Di-n-Octyl phthalate	344	500	68.8%
Benzo(b)fluoranthene	310	500	62.0%
Benzo(k)fluoranthene	290	500	58.0%
Benzo(a)pyrene	292	500	58.4%
Indeno(1,2,3-cd)pyrene	367	500	73.4%
Dibenz(a,h)anthracene	377	500	75.4%
Benzo(g,h,i)perylene	359	500	71.8%
N-Nitrosodimethylamine	189	500	37.8%

Semivolatile Surrogate Recovery

d5-Nitrobenzene	56.4%
2-Fluorobiphenyl	54.0%
d14-p-Terphenyl	51.6%
d4-1,2-Dichlorobenzene	58.8%
d5-Phenol	57.6%
2-Fluorophenol	118%
2,4,6-Tribromophenol	65.6%
d4-2-Chlorophenol	59.2%

Results reported in µg/kg

4B
SEMIVOLATILE METHOD BLANK SUMMARY

BLANK NO.

KU44MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: USACE

ARI Job No: KU44

Project: BRADFORD ISLAND UPLA

Lab File ID: KU44MB

Date Extracted: 04/19/07

Instrument ID: NT4

Date Analyzed: 04/24/07

Matrix: SOLID

Time Analyzed: 1220

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	KU44LCSS1	KU44LCSS1	KU44SB	04/24/07
02	070410BIL01SS	KU44A	KU44A	04/24/07
03	070410BIL02SS	KU44B	KU44B	04/24/07
04	070410BIL03SS	KU44C	KU44C	04/24/07
05	070410BIL04SS	KU44D	KU44D	04/24/07
06	070410BIL06SS	KU44F	KU44F	04/24/07
07	070410BIL07SS	KU44G	KU44G	04/24/07
08	070410BIL08SS	KU44H	KU44H	04/24/07
09	070410BIL01SS	KU44A	KU44A2	04/25/07
10	070410BIL02SS	KU44B	KU44B2	04/25/07
11	070410BIL03SS	KU44C	KU44C2	04/25/07
12	070410BIL04SS	KU44D	KU44D2	04/25/07
13	070410BIL08SS	KU44H	KU44H2	04/25/07
14	070410BIL05SS	KU44E	KU44E3	05/04/07
15	070410BIL06SS	KU44F	KU44F3	05/04/07
16	070410BIL09SS	KU44I	KU44I3	05/04/07
17	070410BIL09SS MS	KU44IMS	KU44IMS3	05/04/07
18	070410BIL09SS MS	KU44IMSD	KU44IMD3	05/04/07
19	070410BIL07SS	KU44G	KU44GDL2	05/04/07
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

FORM IV SV

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: MB-041907
METHOD BLANK

Lab Sample ID: MB-041907
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 05/07/07

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA
Date Sampled: NA
Date Received: NA

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 12:20
Instrument/Analyst: NT4/LJR
GPC Cleanup: Yes

Sample Amount: 50.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Percent Moisture: NA
pH: NA

CAS Number	Analyte	RL	Result
108-95-2	Phenol	20	< 20 U
111-44-4	Bis-(2-Chloroethyl) Ether	20	< 20 U
95-57-8	2-Chlorophenol	20	< 20 U
541-73-1	1,3-Dichlorobenzene	20	< 20 U
106-46-7	1,4-Dichlorobenzene	20	< 20 U
100-51-6	Benzyl Alcohol	20	< 20 U
95-50-1	1,2-Dichlorobenzene	20	< 20 U
95-48-7	2-Methylphenol	20	< 20 U
108-60-1	2,2'-Oxybis(1-Chloropropane)	20	< 20 U
106-44-5	4-Methylphenol	20	< 20 U
621-64-7	N-Nitroso-Di-N-Propylamine	100	< 100 U
67-72-1	Hexachloroethane	20	< 20 U
98-95-3	Nitrobenzene	20	< 20 U
78-59-1	Isophorone	20	< 20 U
88-75-5	2-Nitrophenol	100	< 100 U
105-67-9	2,4-Dimethylphenol	20	< 20 U
65-85-0	Benzoic Acid	200	< 200 U
111-91-1	bis(2-Chloroethoxy) Methane	20	< 20 U
120-83-2	2,4-Dichlorophenol	100	< 100 U
120-82-1	1,2,4-Trichlorobenzene	20	< 20 U
91-20-3	Naphthalene	20	< 20 U
106-47-8	4-Chloroaniline	100	< 100 U
87-68-3	Hexachlorobutadiene	20	< 20 U
59-50-7	4-Chloro-3-methylphenol	100	< 100 U
91-57-6	2-Methylnaphthalene	20	< 20 U
77-47-4	Hexachlorocyclopentadiene	100	< 100 U
88-06-2	2,4,6-Trichlorophenol	100	< 100 U
95-95-4	2,4,5-Trichlorophenol	100	< 100 U
91-58-7	2-Chloronaphthalene	20	< 20 U
88-74-4	2-Nitroaniline	100	< 100 U
131-11-3	Dimethylphthalate	20	< 20 U
208-96-8	Acenaphthylene	20	< 20 U
99-09-2	3-Nitroaniline	100	< 100 U
83-32-9	Acenaphthene	20	< 20 U
51-28-5	2,4-Dinitrophenol	200	< 200 U
100-02-7	4-Nitrophenol	100	< 100 U
132-64-9	Dibenzofuran	20	< 20 U
606-20-2	2,6-Dinitrotoluene	100	< 100 U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Semivolatiles by SW8270D GC/MS

Sample ID: MB-041907
METHOD BLANK

Lab Sample ID: MB-041907
LIMS ID: 07-6227
Matrix: Sediment
Date Analyzed: 04/24/07 12:20

QC Report No: KU44-US Army Corps of Engineers
Project: Bradford Island Upland Samples
NA

CAS Number	Analyte	RL	Result
121-14-2	2,4-Dinitrotoluene	100	< 100 U
84-66-2	Diethylphthalate	20	< 20 U
7005-72-3	4-Chlorophenyl-phenylether	20	< 20 U
86-73-7	Fluorene	20	< 20 U
100-01-6	4-Nitroaniline	100	< 100 U
534-52-1	4,6-Dinitro-2-Methylphenol	200	< 200 U
86-30-6	N-Nitrosodiphenylamine	20	< 20 U
101-55-3	4-Bromophenyl-phenylether	20	< 20 U
118-74-1	Hexachlorobenzene	20	< 20 U
87-86-5	Pentachlorophenol	100	< 100 U
85-01-8	Phenanthrene	20	< 20 U
86-74-8	Carbazole	20	< 20 U
120-12-7	Anthracene	20	< 20 U
84-74-2	Di-n-Butylphthalate	20	< 20 U
206-44-0	Fluoranthene	20	< 20 U
129-00-0	Pyrene	20	< 20 U
85-68-7	Butylbenzylphthalate	20	< 20 U
91-94-1	3,3'-Dichlorobenzidine	100	< 100 U
56-55-3	Benzo(a)anthracene	20	< 20 U
117-81-7	**bis(2-Ethylhexyl)phthalate**	**20**	**13 J**
218-01-9	Chrysene	20	< 20 U
117-84-0	Di-n-Octyl phthalate	20	< 20 U
205-99-2	Benzo(b)fluoranthene	20	< 20 U
207-08-9	Benzo(k)fluoranthene	20	< 20 U
50-32-8	Benzo(a)pyrene	20	< 20 U
193-39-5	Indeno(1,2,3-cd)pyrene	20	< 20 U
53-70-3	Dibenz(a,h)anthracene	20	< 20 U
191-24-2	Benzo(g,h,i)perylene	20	< 20 U
62-75-9	N-Nitrosodimethylamine	100	< 100 U

Reported in µg/kg (ppb)

Semivolatile Surrogate Recovery

d5-Nitrobenzene	60.4%	2-Fluorobiphenyl	66.4%
d14-p-Terphenyl	84.0%	d4-1,2-Dichlorobenzene	55.6%
d5-Phenol	61.1%	2-Fluorophenol	122%
2,4,6-Tribromophenol	73.3%	d4-2-Chlorophenol	62.9%

PESTICIDES

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL01SS
SAMPLE

Lab Sample ID: KU44A
LIMS ID: 07-6219
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 14:27
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.2
Percent Moisture: 21.2%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	0.99	< 0.99 U
319-86-8	delta-BHC	0.99	< 0.99 U
58-89-9	gamma-BHC (Lindane)	0.99	< 0.99 U
76-44-8	Heptachlor	0.99	< 0.99 U
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	0.99	< 0.99 U
60-57-1	**Dieldrin**	**2.0**	**2.1**
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	**4,4'-DDT**	**2.0**	**13 P**
72-43-5	Methoxychlor	9.9	< 9.9 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	5.1	< 5.1 Y
5103-71-9	alpha Chlordane	5.5	< 5.5 Y
8001-35-2	Toxaphene	99	< 99 U

Reported in μg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	99.2%
Tetrachlorometaxylene	72.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL02SS
SAMPLE

Lab Sample ID: KU44B
LIMS ID: 07-6220
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 14:55
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.4 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.2
Percent Moisture: 15.4%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	**4,4'-DDT**	**2.0**	**14 P**
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	5.3	< 5.3 Y
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	2.4	< 2.4 Y
8001-35-2	Toxaphene	98	< 98 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	125%
Tetrachlorometaxylene	78.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL03SS
SAMPLE

Lab Sample ID: KU44C
LIMS ID: 07-6221
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 15:24
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.3
Percent Moisture: 23.1%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	8.0	< 8.0 Y
50-29-3	**4,4'-DDT**	**2.0**	**14 P**
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	10	< 10 Y
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	96.8%
Tetrachlorometaxylene	68.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL04SS
SAMPLE

Lab Sample ID: KU44D
LIMS ID: 07-6222
Matrix: Sediment
Data Release Authorized: [illegible]
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 15:52
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.5 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.1
Percent Moisture: 21.4%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	6.8	< 6.8 Y
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	5.0	< 5.0 Y
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	5.5	< 5.5 Y
5103-74-2	gamma Chlordane	3.0	< 3.0 Y
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	125%
Tetrachlorometaxylene	97.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL05SS
SAMPLE

Lab Sample ID: KU44E
LIMS ID: 07-6223
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 16:20
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.3 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.3
Percent Moisture: 18.8%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	0.99	< 0.99 U
319-86-8	delta-BHC	0.99	< 0.99 U
58-89-9	gamma-BHC (Lindane)	0.99	< 0.99 U
76-44-8	Heptachlor	0.99	< 0.99 U
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	0.99	< 0.99 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	9.9	< 9.9 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	0.99	< 0.99 U
5103-71-9	alpha Chlordane	0.99	< 0.99 U
8001-35-2	Toxaphene	99	< 99 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	82.2%
Tetrachlorometaxylene	71.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL06SS
SAMPLE

Lab Sample ID: KU44F
LIMS ID: 07-6224
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 16:50
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.0
Percent Moisture: 22.6%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.98	< 0.98 U
319-85-7	beta-BHC	0.98	< 0.98 U
319-86-8	delta-BHC	0.98	< 0.98 U
58-89-9	gamma-BHC (Lindane)	0.98	< 0.98 U
76-44-8	Heptachlor	0.98	< 0.98 U
309-00-2	Aldrin	0.98	< 0.98 U
1024-57-3	Heptachlor Epoxide	0.98	< 0.98 U
959-98-8	Endosulfan I	0.98	< 0.98 U
60-57-1	Dieldrin	4.0	< 4.0 Y
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	**4,4'-DDT**	**2.0**	**23 P**
72-43-5	Methoxychlor	9.8	< 9.8 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	5.4	< 5.4 Y
5103-74-2	gamma Chlordane	0.98	< 0.98 U
5103-71-9	alpha Chlordane	0.98	< 0.98 U
8001-35-2	Toxaphene	98	< 98 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	129%
Tetrachlorometaxylene	83.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL07SS
SAMPLE

Lab Sample ID: KU44G
LIMS ID: 07-6225
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 13:20
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 26.0 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 2.00
Silica Gel: Yes
pH: 6.6
Percent Moisture: 24.6%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	1.9	< 1.9 U
319-85-7	beta-BHC	12	< 12 Y
319-86-8	delta-BHC	1.9	< 1.9 U
58-89-9	gamma-BHC (Lindane)	1.9	< 1.9 U
76-44-8	Heptachlor	1.9	< 1.9 U
309-00-2	Aldrin	1.9	< 1.9 U
1024-57-3	Heptachlor Epoxide	1.9	< 1.9 U
959-98-8	Endosulfan I	1.9	< 1.9 U
60-57-1	Dieldrin	8.0	< 8.0 Y
72-55-9	4,4'-DDE	3.8	< 3.8 U
72-20-8	Endrin	10	< 10 Y
33213-65-9	Endosulfan II	3.8	< 3.8 U
72-54-8	4,4'-DDD	3.8	< 3.8 U
1031-07-8	Endosulfan Sulfate	3.8	< 3.8 U
50-29-3	**4,4'-DDT**	**3.8**	**28**
72-43-5	Methoxychlor	19	< 19 U
53494-70-5	Endrin Ketone	17	< 17 Y
7421-93-4	Endrin Aldehyde	5.8	< 5.8 Y
5103-74-2	gamma Chlordane	14	< 14 Y
5103-71-9	alpha Chlordane	1.9	< 1.9 U
8001-35-2	Toxaphene	190	< 190 U

Reported in μg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	NR
Tetrachlorometaxylene	116%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL08SS
SAMPLE

Lab Sample ID: KU44H
LIMS ID: 07-6226
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 17:19
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 4.6
Percent Moisture: 21.4%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.99	< 0.99 U
319-85-7	beta-BHC	3.5	< 3.5 Y
319-86-8	delta-BHC	0.99	< 0.99 U
58-89-9	gamma-BHC (Lindane)	0.99	< 0.99 U
76-44-8	Heptachlor	0.99	< 0.99 U
309-00-2	Aldrin	0.99	< 0.99 U
1024-57-3	Heptachlor Epoxide	0.99	< 0.99 U
959-98-8	Endosulfan I	0.99	< 0.99 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	**4,4'-DDT**	**2.0**	**17**
72-43-5	Methoxychlor	9.9	< 9.9 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	5.1	< 5.1 Y
5103-74-2	gamma Chlordane	4.3	< 4.3 Y
5103-71-9	alpha Chlordane	3.6	< 3.6 Y
8001-35-2	Toxaphene	99	< 99 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	112%
Tetrachlorometaxylene	80.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL09SS
SAMPLE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 17:49
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.8 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.2
Percent Moisture: 25.2%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	0.97	< 0.97 U
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	< 0.97 U
76-44-8	Heptachlor	0.97	< 0.97 U
309-00-2	Aldrin	0.97	< 0.97 U
1024-57-3	Heptachlor Epoxide	0.97	< 0.97 U
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	1.9	< 1.9 U
72-55-9	4,4'-DDE	1.9	< 1.9 U
72-20-8	Endrin	1.9	< 1.9 U
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	**4,4'-DDT**	**1.9**	**6.4**
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	1.9	< 1.9 U
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	80.0%
Tetrachlorometaxylene	68.0%

ANALYTICAL RESOURCES INCORPORATED

SW8081 PESTICIDE SOLID SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Client ID	DCBP	TCMX	TOT OUT
070410BIL01SS	99.2%	72.5%	0
070410BIL02SS	125%	78.0%	0
070410BIL03SS	96.8%	68.8%	0
070410BIL04SS	125%	97.2%	0
070410BIL05SS	82.2%	71.0%	0
070410BIL06SS	129%	83.2%	0
070410BIL07SS	NR	116%	0
070410BIL08SS	112%	80.2%	0
MB-041907	86.2%	83.8%	0
LCS-041907	85.0%	77.2%	0
070410BIL09SS	80.0%	68.0%	0
070410BIL09SS MS	85.2%	68.2%	0
070410BIL09SS MSD	102%	74.8%	0

	LCS/MB LIMITS	QC LIMITS
(DCBP) = Decachlorobiphenyl	(69-121)	(52-137)
(TCMX) = Tetrachlorometaxylene	(60-101)	(48-121)

Prep Method: SW3550B
Log Number Range: 07-6219 to 07-6227

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL09SS
MS/MSD

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted MS/MSD: 04/19/07

Date Analyzed MS: 04/24/07 18:18
MSD: 04/24/07 18:48
Instrument/Analyst MS: ECD3/YZ
MSD: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount MS: 25.7 g-dry-wt
MSD: 25.8 g-dry-wt
Final Extract Volume MS: 5.0 mL
MSD: 5.0 mL
Dilution Factor MS: 1.00
MSD: 1.00
Silica Gel: Yes
pH: 6.2
Percent Moisture: 25.2%

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
gamma-BHC (Lindane)	< 0.969	6.40	9.72	65.8%	6.93	9.71	71.4%	8.0%
Heptachlor	< 0.969	7.21	9.72	74.2%	7.96	9.71	82.0%	9.9%
Aldrin	< 0.969	6.98	9.72	71.8%	7.98	9.71	82.2%	13.4%
Dieldrin	< 1.94	13.5	19.4	69.6%	15.7	19.4	80.9%	15.1%
Endrin	< 1.94	15.0	19.4	77.3%	18.2	19.4	93.8%	19.3%
4,4'-DDT	6.43	17.6	19.4	57.6%	21.6	19.4	78.2%	20.4%

Reported in µg/kg (ppb)
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL09SS
MATRIX SPIKE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 18:18
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.2
Percent Moisture: 25.2%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	0.97	< 0.97 U
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	---
76-44-8	Heptachlor	0.97	---
309-00-2	Aldrin	0.97	---
1024-57-3	Heptachlor Epoxide	0.97	< 0.97 U
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	1.9	---
72-55-9	4,4'-DDE	2.2	< 2.2 Y
72-20-8	Endrin	1.9	---
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	1.9	---
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	1.9	< 1.9 U
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	85.2%
Tetrachlorometaxylene	68.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: 070410BIL09SS
MATRIX SPIKE DUP

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 18:48
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.8 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: 6.2
Percent Moisture: 25.2%

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	0.97	< 0.97 U
319-85-7	beta-BHC	0.97	< 0.97 U
319-86-8	delta-BHC	0.97	< 0.97 U
58-89-9	gamma-BHC (Lindane)	0.97	---
76-44-8	Heptachlor	0.97	---
309-00-2	Aldrin	0.97	---
1024-57-3	Heptachlor Epoxide	0.97	< 0.97 U
959-98-8	Endosulfan I	0.97	< 0.97 U
60-57-1	Dieldrin	1.9	---
72-55-9	4,4'-DDE	2.5	< 2.5 Y
72-20-8	Endrin	1.9	---
33213-65-9	Endosulfan II	1.9	< 1.9 U
72-54-8	4,4'-DDD	1.9	< 1.9 U
1031-07-8	Endosulfan Sulfate	1.9	< 1.9 U
50-29-3	4,4'-DDT	1.9	---
72-43-5	Methoxychlor	9.7	< 9.7 U
53494-70-5	Endrin Ketone	1.9	< 1.9 U
7421-93-4	Endrin Aldehyde	1.9	< 1.9 U
5103-74-2	gamma Chlordane	0.97	< 0.97 U
5103-71-9	alpha Chlordane	0.97	< 0.97 U
8001-35-2	Toxaphene	97	< 97 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	102%
Tetrachlorometaxylene	74.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: LCS-041907
LAB CONTROL

Lab Sample ID: LCS-041907
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 12:52
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.0 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: NA
Percent Moisture: NA

Analyte	Lab Control	Spike Added	Recovery
alpha-BHC	3.66	4.00	91.5%
beta-BHC	3.66	4.00	91.5%
delta-BHC	3.40	4.00	85.0%
gamma-BHC (Lindane)	3.60	4.00	90.0%
Heptachlor	3.50	4.00	87.5%
Aldrin	3.48	4.00	87.0%
Heptachlor Epoxide	3.86	4.00	96.5%
Endosulfan I	3.64	4.00	91.0%
Dieldrin	7.14	8.00	89.2%
4,4'-DDE	7.98	8.00	99.8%
Endrin	6.80	8.00	85.0%
Endosulfan II	6.90	8.00	86.2%
4,4'-DDD	7.38	8.00	92.2%
Endosulfan Sulfate	6.34	8.00	79.2%
4,4'-DDT	7.66	8.00	95.8%
Methoxychlor	31.2	40.0	78.0%
Endrin Ketone	6.18	8.00	77.2%
Endrin Aldehyde	5.68	8.00	71.0%
gamma Chlordane	3.60	4.00	90.0%
alpha Chlordane	3.52	4.00	88.0%

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	85.0%
Tetrachlorometaxylene	77.2%

Reported in µg/kg (ppb)

FORM 4
PESTICIDE METHOD BLANK SUMMARY

SAMPLE NO.

KU44MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: US ARMY CORPS OF ENGINEERS

ARI Job No.: KU44

Project: BRADFORD ISLAND

Lab Sample ID: KU44MBS1

Lab File ID: 0424-03R

Matrix (soil/water) SOLID

Extraction:(SepF/Cont/Sonc) SW3550B

Sulfur Cleanup (Y/N) Y

Date Extracted: 04/19/07

Date Analyzed (1): 04/24/07

Date Analyzed (2): 04/24/07

Time Analyzed (1): 1223

Time Analyzed (2): 1223

Instrument ID (1): ECD3

Instrument ID (2): ECD3

GC Column (1): STX-CLP1 ID: 0.53(mm)

GC Column (2): STX-CLP2 ID: 0.53(mm)

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

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	KU44LCSS1	KU44LCSS1	04/24/07	04/24/07
02	070410BIL07S	KU44G	04/24/07	04/24/07
03	070410BIL01S	KU44A	04/24/07	04/24/07
04	070410BIL02S	KU44B	04/24/07	04/24/07
05	070410BIL03S	KU44C	04/24/07	04/24/07
06	070410BIL04S	KU44D	04/24/07	04/24/07
07	070410BIL05S	KU44E	04/24/07	04/24/07
08	070410BIL06S	KU44F	04/24/07	04/24/07
09	070410BIL08S	KU44H	04/24/07	04/24/07
10	070410BIL09S	KU44I	04/24/07	04/24/07
11	070410BIL09S	KU44IMS	04/24/07	04/24/07
12	070410BIL09S	KU44IMSD	04/24/07	04/24/07

FORM IV PEST

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA Pesticides/PCB by GC/ECD

Sample ID: MB-041907
METHOD BLANK

Lab Sample ID: MB-041907
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: NA
Date Received: NA

Date Extracted: 04/19/07
Date Analyzed: 04/24/07 12:23
Instrument/Analyst: ECD3/YZ
GPC Cleanup: No
Sulfur Cleanup: Yes
Florisil Cleanup: No
Acid Cleanup: No

Sample Amount: 25.0 g-dry-wt
Final Extract Volume: 5.0 mL
Dilution Factor: 1.00
Silica Gel: Yes
pH: NA
Percent Moisture: NA

CAS Number	Analyte	RL	Result
319-84-6	alpha-BHC	1.0	< 1.0 U
319-85-7	beta-BHC	1.0	< 1.0 U
319-86-8	delta-BHC	1.0	< 1.0 U
58-89-9	gamma-BHC (Lindane)	1.0	< 1.0 U
76-44-8	Heptachlor	1.0	< 1.0 U
309-00-2	Aldrin	1.0	< 1.0 U
1024-57-3	Heptachlor Epoxide	1.0	< 1.0 U
959-98-8	Endosulfan I	1.0	< 1.0 U
60-57-1	Dieldrin	2.0	< 2.0 U
72-55-9	4,4'-DDE	2.0	< 2.0 U
72-20-8	Endrin	2.0	< 2.0 U
33213-65-9	Endosulfan II	2.0	< 2.0 U
72-54-8	4,4'-DDD	2.0	< 2.0 U
1031-07-8	Endosulfan Sulfate	2.0	< 2.0 U
50-29-3	4,4'-DDT	2.0	< 2.0 U
72-43-5	Methoxychlor	10	< 10 U
53494-70-5	Endrin Ketone	2.0	< 2.0 U
7421-93-4	Endrin Aldehyde	2.0	< 2.0 U
5103-74-2	gamma Chlordane	1.0	< 1.0 U
5103-71-9	alpha Chlordane	1.0	< 1.0 U
8001-35-2	Toxaphene	100	< 100 U

Reported in µg/kg (ppb)

Pest/PCB Surrogate Recovery

Decachlorobiphenyl	86.2%
Tetrachlorometaxylene	83.8%

PCBS

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL01SS
SAMPLE

Lab Sample ID: KU44A
LIMS ID: 07-6219
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 14:47
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.2
Percent Moisture: 21.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**26**
11096-82-5	**Aroclor 1260**	**3.9**	**50 E**
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	102%
Tetrachlorometaxylene	66.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL01SS
DILUTION

Lab Sample ID: KU44A
LIMS ID: 07-6219
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 18:07
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Silica Gel: No
pH: 6.2
Percent Moisture: 21.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	12	< 12 U
53469-21-9	Aroclor 1242	12	< 12 U
12672-29-6	Aroclor 1248	12	< 12 U
11097-69-1	**Aroclor 1254**	**12**	**25**
11096-82-5	**Aroclor 1260**	**12**	**42**
11104-28-2	Aroclor 1221	12	< 12 U
11141-16-5	Aroclor 1232	12	< 12 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	90.8%
Tetrachlorometaxylene	68.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL02SS
SAMPLE

Lab Sample ID: KU44B
LIMS ID: 07-6220
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 15:05
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.6 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.2
Percent Moisture: 15.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**27**
11096-82-5	**Aroclor 1260**	**3.9**	**24**
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in μg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	88.8%
Tetrachlorometaxylene	69.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL03SS
SAMPLE

Lab Sample ID: KU44C
LIMS ID: 07-6221
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 15:23
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.3
Percent Moisture: 23.1%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**19**
11096-82-5	**Aroclor 1260**	**3.9**	**31 P**
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	89.2%
Tetrachlorometaxylene	72.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL04SS
SAMPLE

Lab Sample ID: KU44D
LIMS ID: 07-6222
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 15:42
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.1
Percent Moisture: 21.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**8.3**
11096-82-5	**Aroclor 1260**	**3.9**	**33**
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	82.5%
Tetrachlorometaxylene	61.8%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL05SS
SAMPLE

Lab Sample ID: KU44E
LIMS ID: 07-6223
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 16:00
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.2 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.3
Percent Moisture: 18.8%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	4.0	< 4.0 U
53469-21-9	Aroclor 1242	4.0	< 4.0 U
12672-29-6	Aroclor 1248	4.0	< 4.0 U
11097-69-1	Aroclor 1254	4.0	< 4.0 U
11096-82-5	**Aroclor 1260**	**4.0**	**12**
11104-28-2	Aroclor 1221	4.0	< 4.0 U
11141-16-5	Aroclor 1232	4.0	< 4.0 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	79.2%
Tetrachlorometaxylene	70.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL06SS
SAMPLE

Lab Sample ID: KU44F
LIMS ID: 07-6224
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 16:18
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.0
Percent Moisture: 22.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	Aroclor 1254	19	< 19 Y
11096-82-5	**Aroclor 1260**	**3.9**	**92 E**
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	101%
Tetrachlorometaxylene	73.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL06SS
DILUTION

Lab Sample ID: KU44F
LIMS ID: 07-6224
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 18:25
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Silica Gel: No
pH: 6.0
Percent Moisture: 22.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	12	< 12 U
53469-21-9	Aroclor 1242	12	< 12 U
12672-29-6	Aroclor 1248	12	< 12 U
11097-69-1	Aroclor 1254	23	< 23 Y
11096-82-5	**Aroclor 1260**	**12**	**94**
11104-28-2	Aroclor 1221	12	< 12 U
11141-16-5	Aroclor 1232	12	< 12 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	107%
Tetrachlorometaxylene	73.3%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL07SS
SAMPLE

Lab Sample ID: KU44G
LIMS ID: 07-6225
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 16:36
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.6
Percent Moisture: 24.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	< 3.9 U
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**49 E**
11096-82-5	**Aroclor 1260**	**3.9**	**74 EP**
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	93.2%
Tetrachlorometaxylene	70.5%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL07SS
DILUTION

Lab Sample ID: KU44G
LIMS ID: 07-6225
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 18:44
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.8 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Silica Gel: No
pH: 6.6
Percent Moisture: 24.6%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	12	< 12 U
53469-21-9	Aroclor 1242	12	< 12 U
12672-29-6	Aroclor 1248	12	< 12 U
11097-69-1	**Aroclor 1254**	**12**	**46**
11096-82-5	**Aroclor 1260**	**12**	**60**
11104-28-2	Aroclor 1221	12	< 12 U
11141-16-5	Aroclor 1232	12	< 12 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	102%
Tetrachlorometaxylene	71.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL08SS
SAMPLE

Lab Sample ID: KU44H
LIMS ID: 07-6226
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 16:54
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 4.6
Percent Moisture: 21.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	4.0	< 4.0 U
53469-21-9	Aroclor 1242	4.0	< 4.0 U
12672-29-6	Aroclor 1248	4.0	< 4.0 U
11097-69-1	**Aroclor 1254**	**4.0**	**24**
11096-82-5	**Aroclor 1260**	**4.0**	**42 E**
11104-28-2	Aroclor 1221	4.0	< 4.0 U
11141-16-5	Aroclor 1232	4.0	< 4.0 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	90.5%
Tetrachlorometaxylene	69.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL08SS
DILUTION

Lab Sample ID: KU44H
LIMS ID: 07-6226
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 19:02
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.3 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 3.00
Silica Gel: No
pH: 4.6
Percent Moisture: 21.4%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	12	< 12 U
53469-21-9	Aroclor 1242	12	< 12 U
12672-29-6	Aroclor 1248	12	< 12 U
11097-69-1	**Aroclor 1254**	**12**	**23**
11096-82-5	**Aroclor 1260**	**12**	**40**
11104-28-2	Aroclor 1221	12	< 12 U
11141-16-5	Aroclor 1232	12	< 12 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery	
Decachlorobiphenyl	101%
Tetrachlorometaxylene	72.6%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL09SS
SAMPLE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 17:13
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 26.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.2
Percent Moisture: 25.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.8	< 3.8 U
53469-21-9	Aroclor 1242	3.8	< 3.8 U
12672-29-6	Aroclor 1248	3.8	< 3.8 U
11097-69-1	**Aroclor 1254**	**3.8**	**5.5**
11096-82-5	**Aroclor 1260**	**3.8**	**19**
11104-28-2	Aroclor 1221	3.8	< 3.8 U
11141-16-5	Aroclor 1232	3.8	< 3.8 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	90.2%
Tetrachlorometaxylene	68.0%

ANALYTICAL RESOURCES INCORPORATED

SW8082/PCB SOLIDS SURROGATE RECOVERY SUMMARY

Matrix: Sediment

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Client ID	DCBP % REC	DCBP LCL-UCL	TCMX % REC	TCMX LCL-UCL	TOT OUT
070410BIL01SS	102%	30-160	66.5%	30-160	0
070410BIL01SS DL	90.8%	30-160	68.2%	30-160	0
070410BIL02SS	88.8%	30-160	69.2%	30-160	0
070410BIL03SS	89.2%	30-160	72.8%	30-160	0
070410BIL04SS	82.5%	30-160	61.8%	30-160	0
070410BIL05SS	79.2%	30-160	70.2%	30-160	0
070410BIL06SS	101%	30-160	73.2%	30-160	0
070410BIL06SS DL	107%	30-160	73.3%	30-160	0
070410BIL07SS	93.2%	30-160	70.5%	30-160	0
070410BIL07SS DL	102%	30-160	71.2%	30-160	0
070410BIL08SS	90.5%	30-160	69.2%	30-160	0
070410BIL08SS DL	101%	30-160	72.6%	30-160	0
MB-042007	76.8%	30-160	76.8%	30-160	0
LCS-042007	76.2%	30-160	72.8%	30-160	0
070410BIL09SS	90.2%	30-160	68.0%	30-160	0
070410BIL09SS MS	92.8%	30-160	71.5%	30-160	0
070410BIL09SS MSD	94.0%	30-160	74.0%	30-160	0

Prep Method: SW3550B
Log Number Range: 07-6219 to 07-6227

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL09SS
MS/MSD

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted MS/MSD: 04/20/07

Date Analyzed MS: 04/24/07 17:31
MSD: 04/24/07 17:49
Instrument/Analyst MS: ECD5/PK
MSD: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount MS: 25.9 g-dry-wt
MSD: 25.7 g-dry-wt
Final Extract Volume MS: 1.0 mL
MSD: 1.0 mL
Dilution Factor MS: 1.00
MSD: 1.00
Silica Gel: No
pH: 6.2
Percent Moisture: 25.2%

Analyte	Sample	MS	Spike Added-MS	MS Recovery	MSD	Spike Added-MSD	MSD Recovery	RPD
Aroclor 1016	< 3.8 U	11.8	19.3	61.1%	12.5	19.4	64.4%	5.8%
Aroclor 1260	18.8	34.0	19.3	78.8%	39.6 E	19.4	107%	15.2%

Results reported in µg/kg (ppb)
RPD calculated using sample concentrations per SW846.

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL09SS
MATRIX SPIKE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 17:31
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.9 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.2
Percent Moisture: 25.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	---
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**9.8**
11096-82-5	Aroclor 1260	3.9	---
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	92.8%
Tetrachlorometaxylene	71.5%

FORM I

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: 070410BIL09SS
MATRIX SPIKE DUP

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 17:49
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.7 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: 6.2
Percent Moisture: 25.2%

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	3.9	---
53469-21-9	Aroclor 1242	3.9	< 3.9 U
12672-29-6	Aroclor 1248	3.9	< 3.9 U
11097-69-1	**Aroclor 1254**	**3.9**	**31**
11096-82-5	Aroclor 1260	3.9	---
11104-28-2	Aroclor 1221	3.9	< 3.9 U
11141-16-5	Aroclor 1232	3.9	< 3.9 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	94.0%
Tetrachlorometaxylene	74.0%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: LCS-042007
LAB CONTROL

Lab Sample ID: LCS-042007
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: NA
Date Received: NA

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 14:29
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.0 g-dry-wt
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: NA
Percent Moisture: NA

Analyte	Lab Control	Spike Added	Recovery
Aroclor 1016	11.0	20.0	55.0%
Aroclor 1260	13.4	20.0	67.0%

PCB Surrogate Recovery

Decachlorobiphenyl	76.2%
Tetrachlorometaxylene	72.8%

Results reported in µg/kg (ppb)

PCB METHOD BLANK SUMMARY

BLANK NO.

KU44MBS1

Lab Name: ANALYTICAL RESOURCES, INC

Client: USACE

ARI Job No.: KU44

Project: BRADFORD ISLAND UPLA

Lab Sample ID: KU44MBS1

Lab File ID: 0424B003

Date Extracted: 04/20/07

Matrix: SOLID

Date Analyzed: 04/24/07

Instrument ID: ECD5

Time Analyzed: 1411

GC Columns: ZB5/ZB35

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
01	KU44LCSS1	KU44LCSS1	04/24/07
02	070410BIL01SS	KU44A	04/24/07
03	070410BIL02SS	KU44B	04/24/07
04	070410BIL03SS	KU44C	04/24/07
05	070410BIL04SS	KU44D	04/24/07
06	070410BIL05SS	KU44E	04/24/07
07	070410BIL06SS	KU44F	04/24/07
08	070410BIL07SS	KU44G	04/24/07
09	070410BIL08SS	KU44H	04/24/07
10	070410BIL09SS	KU44I	04/24/07
11	070410BIL09SS MS	KU44IMS	04/24/07
12	070410BIL09SS MSD	KU44IMSD	04/24/07
13	070410BIL01SS	KU44A	04/24/07
14	070410BIL06SS	KU44F	04/24/07
15	070410BIL07SS	KU44G	04/24/07
16	070410BIL08SS	KU44H	04/24/07

ALL RUNS ARE DUAL COLUMN

FORM IV PCB

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
PSDDA PCB by GC/ECD

Sample ID: MB-042007
METHOD BLANK

Lab Sample ID: MB-042007
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/25/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: NA
Date Received: NA

Date Extracted: 04/20/07
Date Analyzed: 04/24/07 14:11
Instrument/Analyst: ECD5/PK
GPC Cleanup: No
Sulfur Cleanup: Yes
Acid Cleanup: Yes
Florisil Cleanup: No

Sample Amount: 25.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.00
Silica Gel: No
pH: NA
Percent Moisture: NA

CAS Number	Analyte	RL	Result
12674-11-2	Aroclor 1016	4.0	< 4.0 U
53469-21-9	Aroclor 1242	4.0	< 4.0 U
12672-29-6	Aroclor 1248	4.0	< 4.0 U
11097-69-1	Aroclor 1254	4.0	< 4.0 U
11096-82-5	Aroclor 1260	4.0	< 4.0 U
11104-28-2	Aroclor 1221	4.0	< 4.0 U
11141-16-5	Aroclor 1232	4.0	< 4.0 U

Reported in µg/kg (ppb)

PCB Surrogate Recovery

Decachlorobiphenyl	76.8%
Tetrachlorometaxylene	76.8%

TOTAL METALS

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: 070410BIL01SS
SAMPLE

Lab Sample ID: KU44A
LIMS ID: 07-6219
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Percent Total Solids: 78.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	04/12/07	6010B	04/16/07	**7429-90-5**	**Aluminum**	6	**17,400**	
3050B	04/12/07	200.8	04/17/07	7440-36-0	Antimony	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	**7440-38-2**	**Arsenic**	0.3	**5.1**	
3050B	04/12/07	6010B	04/16/07	**7440-39-3**	**Barium**	0.4	**136**	
3050B	04/12/07	200.8	04/17/07	**7440-41-7**	**Beryllium**	0.3	**0.4**	
3050B	04/12/07	7131A	04/17/07	**7440-43-9**	**Cadmium**	0.06	**0.54**	
3050B	04/12/07	6010B	04/16/07	**7440-70-2**	**Calcium**	6	**6,920**	
3050B	04/12/07	6010B	04/16/07	**7440-47-3**	**Chromium**	0.6	**28.6**	
3050B	04/12/07	200.8	04/17/07	**7440-48-4**	**Cobalt**	0.3	**15.3**	
3050B	04/12/07	6010B	04/16/07	**7440-50-8**	**Copper**	0.2	**54.9**	
3050B	04/12/07	6010B	04/16/07	**7439-89-6**	**Iron**	6	**28,000**	
3050B	04/12/07	200.8	04/17/07	**7439-92-1**	**Lead**	1	**119**	
3050B	04/12/07	6010B	04/16/07	**7439-95-4**	**Magnesium**	6	**6,500**	
3050B	04/12/07	6010B	04/16/07	**7439-96-5**	**Manganese**	0.1	**405**	
CLP	04/12/07	7471A	04/12/07	**7439-97-6**	**Mercury**	0.05	**0.19**	
3050B	04/12/07	6010B	04/16/07	**7440-02-0**	**Nickel**	1	**30**	
3050B	04/12/07	6010B	04/16/07	**7440-09-7**	**Potassium**	60	**1,280**	
3050B	04/12/07	7740	04/18/07	**7782-49-2**	**Selenium**	0.3	**0.3**	
3050B	04/12/07	200.8	04/17/07	**7440-22-4**	**Silver**	0.3	**0.3**	
3050B	04/12/07	6010B	04/16/07	**7440-23-5**	**Sodium**	60	**530**	
3050B	04/12/07	200.8	04/17/07	7440-28-0	Thallium	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	**7440-62-2**	**Vanadium**	0.3	**48.6**	
3050B	04/12/07	6010B	04/16/07	**7440-66-6**	**Zinc**	1	**151**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: 070410BIL02SS
SAMPLE

Lab Sample ID: KU44B
LIMS ID: 07-6220
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Percent Total Solids: 76.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	04/12/07	6010B	04/16/07	**7429-90-5**	**Aluminum**	6	**19,100**	
3050B	04/12/07	200.8	04/17/07	7440-36-0	Antimony	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-38-2**	**Arsenic**	0.2	**6.1**	
3050B	04/12/07	6010B	04/16/07	**7440-39-3**	**Barium**	0.4	**99.3**	
3050B	04/12/07	200.8	04/17/07	**7440-41-7**	**Beryllium**	0.2	**0.4**	
3050B	04/12/07	7131A	04/17/07	**7440-43-9**	**Cadmium**	0.06	**0.66**	
3050B	04/12/07	6010B	04/16/07	**7440-70-2**	**Calcium**	6	**6,680**	
3050B	04/12/07	6010B	04/16/07	**7440-47-3**	**Chromium**	0.6	**30.1**	
3050B	04/12/07	200.8	04/17/07	**7440-48-4**	**Cobalt**	0.2	**9.6**	
3050B	04/12/07	6010B	04/16/07	**7440-50-8**	**Copper**	0.3	**45.7**	
3050B	04/12/07	6010B	04/16/07	**7439-89-6**	**Iron**	6	**28,000**	
3050B	04/12/07	200.8	04/17/07	**7439-92-1**	**Lead**	1	**147**	
3050B	04/12/07	6010B	04/16/07	**7439-95-4**	**Magnesium**	6	**6,160**	
3050B	04/12/07	6010B	04/16/07	**7439-96-5**	**Manganese**	0.1	**408**	
CLP	04/12/07	7471A	04/12/07	**7439-97-6**	**Mercury**	0.06	**0.29**	
3050B	04/12/07	6010B	04/16/07	**7440-02-0**	**Nickel**	1	**21**	
3050B	04/12/07	6010B	04/16/07	**7440-09-7**	**Potassium**	60	**1,220**	
3050B	04/12/07	7740	04/18/07	7782-49-2	Selenium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-22-4**	**Silver**	0.2	**0.3**	
3050B	04/12/07	6010B	04/16/07	**7440-23-5**	**Sodium**	60	**570**	
3050B	04/12/07	200.8	04/17/07	7440-28-0	Thallium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-62-2**	**Vanadium**	0.2	**56.3**	
3050B	04/12/07	6010B	04/16/07	**7440-66-6**	**Zinc**	1	**143**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: 070410BIL03SS
SAMPLE

Lab Sample ID: KU44C
LIMS ID: 07-6221
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Percent Total Solids: 76.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	04/12/07	6010B	04/16/07	**7429-90-5**	**Aluminum**	10	**17,400**	
3050B	04/12/07	200.8	04/17/07	7440-36-0	Antimony	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-38-2**	**Arsenic**	0.2	**6.2**	
3050B	04/12/07	6010B	04/16/07	**7440-39-3**	**Barium**	0.9	**95.1**	
3050B	04/12/07	200.8	04/17/07	**7440-41-7**	**Beryllium**	0.2	**0.5**	
3050B	04/12/07	7131A	04/17/07	**7440-43-9**	**Cadmium**	0.06	**0.94**	
3050B	04/12/07	6010B	04/16/07	**7440-70-2**	**Calcium**	10	**6,710**	
3050B	04/12/07	6010B	04/16/07	**7440-47-3**	**Chromium**	1	**23**	
3050B	04/12/07	200.8	04/17/07	**7440-48-4**	**Cobalt**	0.2	**11.5**	
3050B	04/12/07	6010B	04/16/07	**7440-50-8**	**Copper**	0.6	**45.4**	
3050B	04/12/07	6010B	04/16/07	**7439-89-6**	**Iron**	10	**32,100**	
3050B	04/12/07	200.8	04/17/07	**7439-92-1**	**Lead**	1	**131**	
3050B	04/12/07	6010B	04/16/07	**7439-95-4**	**Magnesium**	10	**6,950**	
3050B	04/12/07	6010B	04/16/07	**7439-96-5**	**Manganese**	0.3	**450**	
CLP	04/12/07	7471A	04/12/07	**7439-97-6**	**Mercury**	0.04	**0.07**	
3050B	04/12/07	6010B	04/16/07	**7440-02-0**	**Nickel**	3	**20**	
3050B	04/12/07	6010B	04/16/07	**7440-09-7**	**Potassium**	150	**1,360**	
3050B	04/12/07	7740	04/18/07	7782-49-2	Selenium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-22-4**	**Silver**	0.2	**0.2**	
3050B	04/12/07	6010B	04/16/07	**7440-23-5**	**Sodium**	150	**530**	
3050B	04/12/07	200.8	04/17/07	7440-28-0	Thallium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-62-2**	**Vanadium**	0.2	**53.3**	
3050B	04/12/07	6010B	04/16/07	**7440-66-6**	**Zinc**	3	**157**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: 070410BIL04SS
SAMPLE

Lab Sample ID: KU44D
LIMS ID: 07-6222
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Percent Total Solids: 78.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	04/12/07	6010B	04/16/07	**7429-90-5**	**Aluminum**	6	**10,500**	
3050B	04/12/07	200.8	04/17/07	7440-36-0	Antimony	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-38-2**	**Arsenic**	0.2	**3.7**	
3050B	04/12/07	6010B	04/16/07	**7440-39-3**	**Barium**	0.4	**115**	
3050B	04/12/07	200.8	04/17/07	**7440-41-7**	**Beryllium**	0.2	**0.3**	
3050B	04/12/07	7131A	04/17/07	**7440-43-9**	**Cadmium**	0.06	**0.57**	
3050B	04/12/07	6010B	04/16/07	**7440-70-2**	**Calcium**	6	**4,770**	
3050B	04/12/07	6010B	04/16/07	**7440-47-3**	**Chromium**	0.6	**15.6**	
3050B	04/12/07	200.8	04/17/07	**7440-48-4**	**Cobalt**	0.2	**6.6**	
3050B	04/12/07	6010B	04/16/07	**7440-50-8**	**Copper**	0.2	**28.4**	
3050B	04/12/07	6010B	04/16/07	**7439-89-6**	**Iron**	6	**19,600**	
3050B	04/12/07	200.8	04/17/07	**7439-92-1**	**Lead**	1	**51**	
3050B	04/12/07	6010B	04/16/07	**7439-95-4**	**Magnesium**	6	**4,260**	
3050B	04/12/07	6010B	04/16/07	**7439-96-5**	**Manganese**	0.1	**273**	
CLP	04/12/07	7471A	04/12/07	**7439-97-6**	**Mercury**	0.06	**0.07**	
3050B	04/12/07	6010B	04/16/07	**7440-02-0**	**Nickel**	1	**15**	
3050B	04/12/07	6010B	04/16/07	**7440-09-7**	**Potassium**	60	**1,480**	
3050B	04/12/07	7740	04/18/07	7782-49-2	Selenium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	7440-22-4	Silver	0.2	0.2	U
3050B	04/12/07	6010B	04/16/07	**7440-23-5**	**Sodium**	60	**460**	
3050B	04/12/07	200.8	04/17/07	7440-28-0	Thallium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-62-2**	**Vanadium**	0.2	**36.3**	
3050B	04/12/07	6010B	04/16/07	**7440-66-6**	**Zinc**	1	**138**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: 070410BIL05SS
SAMPLE

Lab Sample ID: KU44E
LIMS ID: 07-6223
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Percent Total Solids: 81.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	04/12/07	6010B	04/16/07	**7429-90-5**	**Aluminum**	6	**10,800**	
3050B	04/12/07	200.8	04/17/07	7440-36-0	Antimony	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-38-2**	**Arsenic**	0.2	**3.3**	
3050B	04/12/07	6010B	04/16/07	**7440-39-3**	**Barium**	0.4	**120**	
3050B	04/12/07	200.8	04/17/07	**7440-41-7**	**Beryllium**	0.2	**0.3**	
3050B	04/12/07	7131A	04/17/07	**7440-43-9**	**Cadmium**	0.06	**0.57**	
3050B	04/12/07	6010B	04/16/07	**7440-70-2**	**Calcium**	6	**4,500**	
3050B	04/12/07	6010B	04/16/07	**7440-47-3**	**Chromium**	0.6	**16.1**	
3050B	04/12/07	200.8	04/17/07	**7440-48-4**	**Cobalt**	0.2	**6.4**	
3050B	04/12/07	6010B	04/16/07	**7440-50-8**	**Copper**	0.2	**24.4**	
3050B	04/12/07	6010B	04/16/07	**7439-89-6**	**Iron**	6	**19,600**	
3050B	04/12/07	200.8	04/17/07	**7439-92-1**	**Lead**	1	**49**	
3050B	04/12/07	6010B	04/16/07	**7439-95-4**	**Magnesium**	6	**4,330**	
3050B	04/12/07	6010B	04/16/07	**7439-96-5**	**Manganese**	0.1	**263**	
CLP	04/12/07	7471A	04/12/07	**7439-97-6**	**Mercury**	0.06	**0.23**	
3050B	04/12/07	6010B	04/16/07	**7440-02-0**	**Nickel**	1	**15**	
3050B	04/12/07	6010B	04/16/07	**7440-09-7**	**Potassium**	60	**1,570**	
3050B	04/12/07	7740	04/18/07	7782-49-2	Selenium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-22-4**	**Silver**	0.2	**0.4**	
3050B	04/12/07	6010B	04/16/07	**7440-23-5**	**Sodium**	60	**480**	
3050B	04/12/07	200.8	04/17/07	7440-28-0	Thallium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-62-2**	**Vanadium**	0.2	**36.0**	
3050B	04/12/07	6010B	04/16/07	**7440-66-6**	**Zinc**	1	**144**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: 070410BIL06SS
SAMPLE

Lab Sample ID: KU44F
LIMS ID: 07-6224
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Percent Total Solids: 78.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	04/12/07	6010B	04/16/07	**7429-90-5**	**Aluminum**	6	**11,200**	
3050B	04/12/07	200.8	04/17/07	7440-36-0	Antimony	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-38-2**	**Arsenic**	0.2	**4.0**	
3050B	04/12/07	6010B	04/16/07	**7440-39-3**	**Barium**	0.4	**115**	
3050B	04/12/07	200.8	04/17/07	**7440-41-7**	**Beryllium**	0.2	**0.3**	
3050B	04/12/07	7131A	04/17/07	**7440-43-9**	**Cadmium**	0.2	**1.3**	
3050B	04/12/07	6010B	04/16/07	**7440-70-2**	**Calcium**	6	**4,380**	
3050B	04/12/07	6010B	04/16/07	**7440-47-3**	**Chromium**	0.6	**16.9**	
3050B	04/12/07	200.8	04/17/07	**7440-48-4**	**Cobalt**	0.2	**8.3**	
3050B	04/12/07	6010B	04/16/07	**7440-50-8**	**Copper**	0.2	**60.5**	
3050B	04/12/07	6010B	04/16/07	**7439-89-6**	**Iron**	6	**20,500**	
3050B	04/12/07	200.8	04/17/07	**7439-92-1**	**Lead**	1	**148**	
3050B	04/12/07	6010B	04/16/07	**7439-95-4**	**Magnesium**	6	**4,830**	
3050B	04/12/07	6010B	04/16/07	**7439-96-5**	**Manganese**	0.1	**284**	
CLP	04/12/07	7471A	04/12/07	**7439-97-6**	**Mercury**	0.05	**0.32**	
3050B	04/12/07	6010B	04/16/07	**7440-02-0**	**Nickel**	1	**15**	
3050B	04/12/07	6010B	04/16/07	**7440-09-7**	**Potassium**	60	**1,400**	
3050B	04/12/07	7740	04/18/07	7782-49-2	Selenium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-22-4**	**Silver**	0.2	**0.5**	
3050B	04/12/07	6010B	04/16/07	**7440-23-5**	**Sodium**	60	**430**	
3050B	04/12/07	200.8	04/17/07	7440-28-0	Thallium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	**7440-62-2**	**Vanadium**	0.2	**36.0**	
3050B	04/12/07	6010B	04/16/07	**7440-66-6**	**Zinc**	1	**221**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: 070410BIL07SS
SAMPLE

Lab Sample ID: KU44G
LIMS ID: 07-6225
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Percent Total Solids: 73.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	04/12/07	6010B	04/16/07	**7429-90-5**	**Aluminum**	20	**14,800**	
3050B	04/12/07	200.8	04/17/07	7440-36-0	Antimony	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	**7440-38-2**	**Arsenic**	0.3	**3.2**	
3050B	04/12/07	6010B	04/16/07	**7440-39-3**	**Barium**	1	**107**	
3050B	04/12/07	200.8	04/17/07	**7440-41-7**	**Beryllium**	0.3	**0.3**	
3050B	04/12/07	7131A	04/17/07	**7440-43-9**	**Cadmium**	0.07	**0.72**	
3050B	04/12/07	6010B	04/16/07	**7440-70-2**	**Calcium**	20	**6,060**	
3050B	04/12/07	6010B	04/16/07	**7440-47-3**	**Chromium**	2	**801**	
3050B	04/12/07	200.8	04/17/07	**7440-48-4**	**Cobalt**	0.3	**22.7**	
3050B	04/12/07	6010B	04/16/07	**7440-50-8**	**Copper**	0.6	**41.3**	
3050B	04/12/07	6010B	04/16/07	**7439-89-6**	**Iron**	20	**38,800**	
3050B	04/12/07	200.8	04/17/07	**7439-92-1**	**Lead**	10	**680**	
3050B	04/12/07	6010B	04/16/07	**7439-95-4**	**Magnesium**	20	**35,100**	
3050B	04/12/07	6010B	04/16/07	**7439-96-5**	**Manganese**	0.3	**614**	
CLP	04/12/07	7471A	04/12/07	**7439-97-6**	**Mercury**	0.05	**0.13**	
3050B	04/12/07	6010B	04/16/07	**7440-02-0**	**Nickel**	3	**570**	
3050B	04/12/07	6010B	04/16/07	**7440-09-7**	**Potassium**	160	**1,060**	
3050B	04/12/07	7740	04/18/07	7782-49-2	Selenium	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	7440-22-4	Silver	0.3	0.3	U
3050B	04/12/07	6010B	04/16/07	**7440-23-5**	**Sodium**	160	**420**	
3050B	04/12/07	200.8	04/17/07	7440-28-0	Thallium	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	**7440-62-2**	**Vanadium**	0.3	**34.8**	
3050B	04/12/07	6010B	04/16/07	**7440-66-6**	**Zinc**	3	**194**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: 070410BIL08SS
SAMPLE

Lab Sample ID: KU44H
LIMS ID: 07-6226
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Percent Total Solids: 74.4%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	04/12/07	6010B	04/16/07	**7429-90-5**	**Aluminum**	6	**15,500**	
3050B	04/12/07	200.8	04/17/07	7440-36-0	Antimony	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	**7440-38-2**	**Arsenic**	0.3	**3.7**	
3050B	04/12/07	6010B	04/16/07	**7440-39-3**	**Barium**	0.4	**97.8**	
3050B	04/12/07	200.8	04/17/07	**7440-41-7**	**Beryllium**	0.3	**0.4**	
3050B	04/12/07	7131A	04/17/07	**7440-43-9**	**Cadmium**	0.06	**0.67**	
3050B	04/12/07	6010B	04/16/07	**7440-70-2**	**Calcium**	6	**5,840**	
3050B	04/12/07	6010B	04/16/07	**7440-47-3**	**Chromium**	0.6	**117**	
3050B	04/12/07	200.8	04/17/07	**7440-48-4**	**Cobalt**	0.3	**10.7**	
3050B	04/12/07	6010B	04/16/07	**7440-50-8**	**Copper**	0.3	**52.1**	
3050B	04/12/07	6010B	04/16/07	**7439-89-6**	**Iron**	6	**26,400**	
3050B	04/12/07	200.8	04/17/07	**7439-92-1**	**Lead**	1	**174**	
3050B	04/12/07	6010B	04/16/07	**7439-95-4**	**Magnesium**	6	**9,550**	
3050B	04/12/07	6010B	04/16/07	**7439-96-5**	**Manganese**	0.1	**391**	
CLP	04/12/07	7471A	04/12/07	**7439-97-6**	**Mercury**	0.05	**0.10**	
3050B	04/12/07	6010B	04/16/07	**7440-02-0**	**Nickel**	1	**72**	
3050B	04/12/07	6010B	04/16/07	**7440-09-7**	**Potassium**	60	**1,210**	
3050B	04/12/07	7740	04/18/07	7782-49-2	Selenium	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	7440-22-4	Silver	0.3	0.3	U
3050B	04/12/07	6010B	04/16/07	**7440-23-5**	**Sodium**	60	**550**	
3050B	04/12/07	200.8	04/17/07	7440-28-0	Thallium	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	**7440-62-2**	**Vanadium**	0.3	**44.8**	
3050B	04/12/07	6010B	04/16/07	**7440-66-6**	**Zinc**	1	**180**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: 070410BIL09SS
SAMPLE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

Percent Total Solids: 75.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	04/12/07	6010B	04/16/07	**7429-90-5**	**Aluminum**	6	**16,000**	
3050B	04/12/07	200.8	04/17/07	7440-36-0	Antimony	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	**7440-38-2**	**Arsenic**	0.3	**4.5**	
3050B	04/12/07	6010B	04/16/07	**7440-39-3**	**Barium**	0.4	**130**	
3050B	04/12/07	200.8	04/17/07	**7440-41-7**	**Beryllium**	0.3	**0.4**	
3050B	04/12/07	7131A	04/17/07	**7440-43-9**	**Cadmium**	0.3	**1.7**	
3050B	04/12/07	6010B	04/16/07	**7440-70-2**	**Calcium**	6	**5,410**	
3050B	04/12/07	6010B	04/16/07	**7440-47-3**	**Chromium**	0.6	**22.0**	
3050B	04/12/07	200.8	04/17/07	**7440-48-4**	**Cobalt**	0.3	**8.5**	
3050B	04/12/07	6010B	04/16/07	**7440-50-8**	**Copper**	0.2	**39.1**	
3050B	04/12/07	6010B	04/16/07	**7439-89-6**	**Iron**	6	**25,100**	
3050B	04/12/07	200.8	04/17/07	**7439-92-1**	**Lead**	1	**127**	
3050B	04/12/07	6010B	04/16/07	**7439-95-4**	**Magnesium**	6	**5,580**	
3050B	04/12/07	6010B	04/16/07	**7439-96-5**	**Manganese**	0.1	**366**	
CLP	04/12/07	7471A	04/12/07	**7439-97-6**	**Mercury**	0.06	**0.11**	
3050B	04/12/07	6010B	04/16/07	**7440-02-0**	**Nickel**	1	**21**	
3050B	04/12/07	6010B	04/16/07	**7440-09-7**	**Potassium**	60	**1,870**	
3050B	04/12/07	7740	04/18/07	7782-49-2	Selenium	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	7440-22-4	Silver	0.3	0.3	U
3050B	04/12/07	6010B	04/16/07	**7440-23-5**	**Sodium**	60	**560**	
3050B	04/12/07	200.8	04/17/07	7440-28-0	Thallium	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	**7440-62-2**	**Vanadium**	0.3	**42.6**	
3050B	04/12/07	6010B	04/16/07	**7440-66-6**	**Zinc**	1	**189**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: 070410BIL09SS
MATRIX SPIKE

Lab Sample ID: KU44I
LIMS ID: 07-6227
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: 04/10/07
Date Received: 04/11/07

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	MS Spike	Spike Added	% Recovery	MSD Spike	Spike Added	% Recovery	Q	RPD
Aluminum	6010B	16,000	16,200	251	79.7%	16,100	249	40.2%	H	0.6%
Antimony	200.8	0.3 U	0.9	33.1	2.7%	1.0	32.9	3.0%	N	10.5%
Arsenic	200.8	4.5	34.2	33.1	89.7%	33.9	32.9	89.4%		0.9%
Barium	6010B	130	359	251	91.2%	359	249	92.0%		0.0%
Beryllium	200.8	0.4	30.4	33.1	90.6%	29.7	32.9	89.1%		2.3%
Cadmium	7131A	1.7	30.1	33.1	85.8%	30.2	32.9	86.6%		0.3%
Calcium	6010B	5,410	6,540	1,250	90.4%	6,460	1,240	84.7%	H	1.2%
Chromium	6010B	22.0	76.5	62.6	87.1%	77.0	62.2	88.4%		0.7%
Cobalt	200.8	8.5	34.9	33.1	79.8%	34.3	32.9	78.4%		1.7%
Copper	6010B	39.1	96.5	62.6	91.7%	94.4	62.2	88.9%		2.2%
Iron	6010B	25,100	24,300	251	-319%	25,100	249	0.0%	H	3.2%
Lead	200.8	127	147	33.1	60.4%	141	32.9	42.6%	N	4.2%
Magnesium	6010B	5,580	6,270	1,250	55.2%	7,030	1,240	117%	H	11.4%
Manganese	6010B	366	405	62.6	62.3%	412	62.2	74.0%	H	1.7%
Mercury	7470A	0.11	0.74	0.606	104%	0.71	0.601	99.8%		4.1%
Nickel	6010B	21	74	62.6	84.7%	77	62.2	90.0%		4.0%
Potassium	6010B	1,870	3,140	1,250	102%	3,040	1,240	94.4%		3.2%
Selenium	7740	0.3 U	99.6	106	94.0%	95.6	105	91.0%		4.1%
Silver	200.8	0.3 U	29.0	33.1	87.6%	28.0	32.9	85.1%		3.5%
Sodium	6010B	560	1,770	1,250	96.8%	1,750	1,240	96.0%		1.1%
Thallium	200.8	0.3 U	29.0	33.1	87.6%	28.6	32.9	86.9%		1.4%
Vanadium	200.8	42.6	70.6	33.1	84.6%	69.3	32.9	81.2%		1.9%
Zinc	6010B	189	243	62.6	86.3%	239	62.2	80.4%		1.7%

Reported in mg/kg-dry

N-Control Limit Not Met
H-% Recovery Not Applicable, Sample Concentration Too High
NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: METHOD BLANK

Lab Sample ID: KU44MB
LIMS ID: 07-6219
Matrix: Sediment
Data Release Authorized:
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	04/12/07	6010B	04/16/07	**7429-90-5**	**Aluminum**	5	**5**	
3050B	04/12/07	200.8	04/17/07	7440-36-0	Antimony	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	7440-38-2	Arsenic	0.2	0.2	U
3050B	04/12/07	6010B	04/16/07	7440-39-3	Barium	0.3	0.3	U
3050B	04/12/07	200.8	04/17/07	7440-41-7	Beryllium	0.2	0.2	U
3050B	04/12/07	7131A	04/17/07	7440-43-9	Cadmium	0.02	0.02	U
3050B	04/12/07	6010B	04/16/07	**7440-70-2**	**Calcium**	5	**8**	
3050B	04/12/07	6010B	04/16/07	7440-47-3	Chromium	0.5	0.5	U
3050B	04/12/07	200.8	04/17/07	7440-48-4	Cobalt	0.2	0.2	U
3050B	04/12/07	6010B	04/16/07	7440-50-8	Copper	0.2	0.2	U
3050B	04/12/07	6010B	04/16/07	7439-89-6	Iron	5	5	U
3050B	04/12/07	200.8	04/17/07	7439-92-1	Lead	1	1	U
3050B	04/12/07	6010B	04/16/07	7439-95-4	Magnesium	5	5	U
3050B	04/12/07	6010B	04/16/07	7439-96-5	Manganese	0.1	0.1	U
CLP	04/12/07	7471A	04/12/07	7439-97-6	Mercury	0.05	0.05	U
3050B	04/12/07	6010B	04/16/07	7440-02-0	Nickel	1	1	U
3050B	04/12/07	6010B	04/16/07	7440-09-7	Potassium	50	50	U
3050B	04/12/07	7740	04/18/07	7782-49-2	Selenium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	7440-22-4	Silver	0.2	0.2	U
3050B	04/12/07	6010B	04/16/07	7440-23-5	Sodium	50	50	U
3050B	04/12/07	200.8	04/17/07	7440-28-0	Thallium	0.2	0.2	U
3050B	04/12/07	200.8	04/17/07	7440-62-2	Vanadium	0.2	0.2	U
3050B	04/12/07	6010B	04/16/07	**7440-66-6**	**Zinc**	1	**2**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: LAB CONTROL

Lab Sample ID: KU44LCS
LIMS ID: 07-6219
Matrix: Sediment
Data Release Authorized
Reported: 04/19/07

QC Report No: KU44-U.S. Army Corps of Engineers
Project: Bradford Island Upland Samples

Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Aluminum	6010B	214	200	107%	
Antimony	200.8	26.0	25.0	104%	
Arsenic	200.8	27.7	25.0	111%	
Barium	6010B	195	200	97.5%	
Beryllium	200.8	26.0	25.0	104%	
Cadmium	7131A	24	25	96.0%	
Calcium	6010B	1030	1000	103%	
Chromium	6010B	49.3	50.0	98.6%	
Cobalt	200.8	26.7	25.0	107%	
Copper	6010B	51.2	50.0	102%	
Iron	6010B	206	200	103%	
Lead	200.8	26	25	104%	
Magnesium	6010B	1050	1000	105%	
Manganese	6010B	50.1	50.0	100%	
Mercury	7471A	1.09	1.00	109%	
Nickel	6010B	50	50	100%	
Potassium	6010B	1060	1000	106%	
Selenium	7740	80	80	100%	
Silver	200.8	26.3	25.0	105%	
Sodium	6010B	1030	1000	103%	
Thallium	200.8	25.7	25.0	103%	
Vanadium	200.8	26.1	25.0	104%	
Zinc	6010B	51	50	102%	

Reported in mg/kg-dry

N-Control limit not met
Control Limits: 80-120%

TOTAL SOLIDS

Extractions Total Solids-extts
Data By: Steve Potter
Created: 4/13/07

Worklist: 9022
Analyst: SDP
Comments:

	ARI ID CLIENT ID	Tare Wt (g)	Wet Wt (g)	Dry Wt (g)	% Solids	pH
1.	KU44A 07-6219 070410BIL01SS	1.14	11.60	9.38	78.8	6.2
2.	KU44B 07-6220 070410BIL02SS	1.16	12.74	10.96	84.6	6.2
3.	KU44C 07-6221 070410BIL03SS	1.22	12.30	9.74	76.9	6.3
4.	KU44D 07-6222 070410BIL04SS	1.18	11.72	9.46	78.6	6.1
5.	KU44E 07-6223 070410BIL05SS	1.14	13.16	10.90	81.2	6.3
6.	KU44F 07-6224 070410BIL06SS	1.16	12.66	10.06	77.4	6.0
7.	KU44G 07-6225 070410BIL07SS	1.14	11.32	8.82	75.4	6.6
8.	KU44H 07-6226 070410BIL08SS	1.18	11.36	9.18	78.6	4.6
9.	KU44I 07-6227 070410BIL09SS	1.16	11.10	8.60	74.8	6.2

Solids Data Entry Report Checked by: DM Date: 4/13/07
Date: 04/13/07 Data Analyst: EJR

Solids Determination performed on 04/12/07 by DM

JOB	SAMPLE	CLIENTID	TAREWEIGHT	SAMPDISH	DRYWEIGHT	SOLIDS
KU44	A	070410BIL01SS	0.988	10.680	8.570	78.23
KU44	B	070410BIL02SS	1.014	10.233	8.072	76.56
KU44	C	070410BIL03SS	1.007	10.424	8.241	76.82
KU44	D	070410BIL04SS	1.019	10.174	8.228	78.74
KU44	E	070410BIL05SS	1.001	10.860	9.009	81.23
KU44	F	070410BIL06SS	1.040	10.045	8.071	78.08
KU44	G	070410BIL07SS	1.019	10.301	7.839	73.48
KU44	H	070410BIL08SS	1.016	10.972	8.428	74.45
KU44	I	070410BIL09SS	1.003	10.040	7.809	75.31