SEVERN TRENT STL

STL Seattle
5755 8th Street East
Tacoma, WA 98424

Tel: 253 922 2310
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TRANSMITTAL MEMORANDUM

DATE: January 1, 2005

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

PROJECT: Bradford Island, Oregon

REPORT NUMBER: 124945

TOTAL NUMBER OF PAGES: _____

Enclosed are the test results for four samples received at STL Seattle on November 18, 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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000001

STL Seattle

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
124945-1	041116SGA01GW	11-16-04 10:30	Liquid
124945-2	041116SGA01SS	11-16-04 14:10	solid
124945-3	041116SGA02SS	11-16-04 15:15	solid
124945-4	Trip Blank #2718	11-16-04 *	liquid

* - Sampling time not specified for this sample

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ANALYTICAL NARRATIVE

Client: URS Corporation

Date: January 1, 2005

Project: Bradford Island, Oregon

Lab No.: 124945

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, except that the trip blank was not listed. Sample 041116SGA01SS was cancelled and the trip blank was added per conversation with J. Ray of URS Corporation, see phone log in the chain of custody section of this report.

Sample Identification:

Lab. No.	Client ID	Date Sampled	Matrix
124945-1	041116SGA01GW	11-16-04	Liquid
124945-2	041116SGA01SS	11-16-04	solid
124945-3	041116SGA02SS	11-16-04	solid
124945-4	Trip Blank #2718	11-16-04	liquid

SAMPLE EXTRACTION AND ANALYSIS

VOLATILE ORGANIC COMPOUNDS

Samples 124945-1, 124945-3 and 124945-4 were analyzed for volatile organic compounds in accordance with EPA SW-846 Method 8260B. Samples 124945-1 and 124945-4 were prepared in accordance with SW-846 Method 5030B and analyzed on 11-29-04. Sample 124945-3 was 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 a the sodium bisulfate preserved sample was analyzed on 11-22-04. The samples were analyzed within the required holding time.

Samples 124945-1 and 124945-4 were analyzed as quality control (QC) batch VOA1050. Sample 124945- was analyzed as QC batch VOA1042.

Chloroform, benzene, toluene, ethylbenzene, m&p-xylene, o-xylene, styrene and 1,2,4-trimethylbenzene were detected in method blank VOA1042 at levels that were above the method detection limit but below the reporting limit. Bromomethane, 1,2-dichloropropane, chlorobenzene, bromoform, 1,2,4-trichloro-

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ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 1, 2005

Project: Bradford Island, Oregon Lab No.: 124945

VOLATILE ORGANIC COMPOUNDS, cont.
benzene, 1,2,3-trichlorobenzene and naphthalene were detected in method blank VOA1050 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 was detected in method blank VOA1042 at a level that was above the reporting limit. This compound appears to be from the sodium bisulfate preserved vials, as it is not seen in the instrument blank, which is prepared in a non-preserved vial, and the value has 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".

The percent recovery (%R) of the surrogate trifluorotoluene exceeded the QC limits for sample 124945-1. No corrective action was taken, as the recoveries of the other five surrogates were within the QC limits. The %R has been flagged "X9".

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 124945-1 and 124945-3 were analyzed for semivolatile organic compounds in accordance with EPA SW-846 Method 8270C. Sample 124945-1 was extracted in accordance with EPA SW-846 Method 3510C on 11-19-04 and analyzed on 11-23-04. Sample 124945-3 was extracted in accordance with EPA SW-846 Method 3550B on 11-23-04 and analyzed on 11-24-04. The samples were extracted and analyzed within the required holding time.

Sample 124945-1 was analyzed as QC batch SW1034. Bradford Island sample 041117SGA05GW (124993-11) was used as the batch QC sample for SW1034. Sample 124945-3 was analyzed as QC batch SS1281. Bradford Island samples 041117SGA09SS (124993-07) and 041118SGA13SS (124993-20) were used as the batch QC samples for SS1281.

Di-n-butylphthalate and butylbenzylphthalate were detected in method blank SS1281 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 relative percent differences (RPD) between the blank spike (BS) and blank spike duplicate (BSD) associated with QC batch SS1281 exceeded the QC limits for phenol and N-nitroso-di-n-propylamine. No corrective action was taken, as the recoveries of these analytes were acceptable in the BS and BSD. The RPDs have been flagged "N".

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ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 1, 2005

Project: Bradford Island, Oregon Lab No.: 124945

SEMIVOLATILE ORGANIC COMPOUNDS, cont.

The %Rs of 2-chlorophenol, 1,4-dichlorobenzene and 1,2,4-trichlorobenzene in the matrix spike (MS) analysis of batch QC sample 124993-07 and 1,4-dichlorobenzene and 1,2,4-trichlorobenzene in the matrix spike duplicate (MSD) exceeded the QC acceptance limits. The %Rs of 2-chlorophenol, 1,4-dichlorobenzene, 1,2,4-trichlorobenzene and 4-chloro-3-methylphenol in the MS analysis of batch QC sample 124993-20 and 1,4-dichlorobenzene and 1,2,4-trichlorobenzene in the MSD exceeded the QC acceptance limits. The %Rs of N-nitroso-di-n-propylamine in the MS analysis of batch QC sample 124993-11 and 2-chlorophenol and 4-chloro-3-methylphenol in the MSD 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 have been flagged "X7"

The RPD between the MS and MSD analyses of batch QC sample 124993-07 exceeded the QC acceptance limits for 4-chloro-3-methylphenol. The RPDs between the MS and MSD analyses of sample 124993-11 exceeded the QC acceptance limits for phenol, 2-chlorophenol, 4-chloro-3-methylphenol4-nitrophenol, 2,4-dinitrotoluene and pentachlorophenol. No corrective action was taken based on these outliers. The RPDs have been flagged "X7".

All other quality control parameters were within the acceptance limits.

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

DISSOLVED SEMIVOLATILE ORGANIC COMPOUNDS

Sample 124945-1 was analyzed for dissolved semivolatile organic compounds in accordance with EPA SW-846 Method 8270C. The sample was extracted in accordance with EPA SW-846 Method 3510C on 11-19-04 and analyzed on 11-23-04, which was within the required holding time.

Sample 124945-1 was analyzed as QC batch SW1034. Bradford Island sample 041117SGA05GW (124993-11) was used as the batch QC sample for SW1034.

Various analytes were detected in sample 124945-1 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 the surrogates 2-fluorophenol and 2,4,6-tribromophenol exceeded the QC acceptance limits for sample 124945-1. No corrective action was taken, as there was no remaining sample volume to reextract. The %Rs have been flagged "X9"

The %Rs of phenol, 2-chlorophenol and pentachlorophenol in the MS analysis of batch QC sample 124993-11 and 2-chlorophenol, 4-chloro-3-methylphenol and pentachlorophenol in the MSD 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 have been flagged "X7"

The RPD between the MS and MSD analyses of batch QC sample 124993-11 exceeded the QC acceptance limits phenol and 2-chlorophenol. No corrective action was taken based on these outliers. The RPDs have been flagged "X7".

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ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 1, 2005

Project: Bradford Island, Oregon Lab No.: 124945

DISSOLVED SEMIVOLATILE ORGANIC COMPOUNDS, cont.
All other quality control parameters were within the acceptance limits.

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

ORGANOTIN COMPOUNDS
Samples 124945-1 and 124945-3 were analyzed for organotin compounds in accordance with the Krone Method (Ion Trap GC-MS). Sample 124945-1 was extracted on 11-23-04 and analyzed on 11-25-04. Sample 124945-3 was extracted on 11-22-04 and analyzed on 11-24-04. The samples were analyzed within the required holding time.

Sample 124945-1 was analyzed as QC batch WTN0192. Bradford Island sample 041117SGA05GW (124993-11) was used as the batch QC sample for WTN0192. Sample 124945-3 was analyzed as QC batch STN0118.

The %R of tributlytin in the MS analysis of sample 124945-3 exceeded the QC acceptance limits. No corrective action was taken, as the recovery was high, and the recoveries 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 124945-3 was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081A. Sample 124945-3 was extracted in accordance with EPA SW-846 Method 3550B and analyzed on 11-19-04. The sample was extracted and analyzed within the required holding times.

Sample 124945-3 was analyzed as QC batch PE1795. No project-specific QC was run with this batch.

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

All quality control parameters were within the acceptance limits.

No other difficulties were encountered during the chlorinated pesticide analyses.

POLYCHLORINATED BIPHENYLS (PCBs)
Samples 124945-1 and 124945-3 were analyzed for PCBs in accordance with EPA SW-846 Method 8082. Sample 124945-1 was extracted in accordance with EPA SW-846 Method 3510C on 11-22-04 and analyzed on 12-02-04. Sample 124945-3 was extracted in accordance with EPA SW-846 Method 3550B on 11-23-04 and analyzed on 12-02-04. The samples were extracted and analyzed within the required holding times.

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ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 1, 2005

Project: Bradford Island, Oregon Lab No.: 124945

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

Sample 124945-1 was analyzed as QC batch PBW0302. . Bradford Island samples 041117SGA05GW (124993-11) and 041119SGA10GW (125010-02) were used as the batch QC samples for PBW0302. Sample 124945-3 was analyzed as QC batch PB0854. Bradford Island sample 041117SGA09SS (124993-07) was used as the batch QC sample for PB0854.

The %Rs of the surrogate decachlorobiphenyl exceeded the QC acceptance limits for sample 124945-3, method blanks PBW0302 and PB0854, the associated BS and BSD and the batch QC samples. No corrective action was taken, as the recoveries were high, and the recoveries of the second surrogate were acceptable. The %Rs have been flagged "N".

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the PCB analyses.

GASOLINE RANGE ORGANICS (GRO)
Sample 124945-3 was analyzed for GRO in accordance with the NWTPH-Gx. The sample was prepared and analyzed on 11-30-04, which was within the required holding time.

Sample 124945-3 was analyzed as QC batch GB4028. No project-specific MS was analyzed with this QC batch. Sample 124945-3 was analyzed in duplicate.

GRO was detected in the method blank 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.

GRO was detected in sample 124945-3 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 RPD between sample 124945-3 and its duplicate exceeded the QC limits for GRO, due to analyte concentrations near the reporting limit. The RPD has been flagged "X4a".

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the GRO analyses.

EXTENDED DIESEL RANGE ORGANICS
Sample 124945-3 was analyzed for diesel and motor oil range organics in accordance with NWTPH-Dx. Sample 124945-3 was extracted and analyzed on 11-19-04. The sample was extracted and analyzed within the required holding time.

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ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 1, 2005

Project: Bradford Island, Oregon Lab No.: 124945

EXTENDED DIESEL RANGE ORGANICS, cont.
Sample 124945-3 was analyzed as QC batch DS11347.

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

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the DRO analyses.

TOTAL METALS
Samples 124945-1 and 124945-3 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. Sample 124945-1 was digested in accordance with EPA SW-846 Method 3005 on 11-24-04 and analyzed by Method 6010B on 11-25-04 and Method 6020 on 11-29-04, as QC batch TP760. Sample 124945-3 was digested in accordance with EPA SW-846 Method 3050B and analyzed by Methods 6010B and 6020 on 11-22-04, as QC batch SP751. Sample 124945-1 was digested and analyzed for mercury in accordance with EPA SW-846 Method 7470A on 11-22-04, as QC batch ZT201. Sample 124945-3 was digested and analyzed for mercury in accordance with EPA SW-846 Method 7471A on 11-22-04, as QC batch ZS197. The samples were analyzed within the required holding time.

Bradford Island sample 041117SGA05GW (124945-11) was used as the batch QC sample for TP760.

Aluminum, chromium, copper, lead, manganese and zinc were detected in method blank SP751 at levels that were above the method detection limit but below the reporting limit. Aluminum, antimony, barium, copper, lead, manganese and zinc were detected in method blank TP760 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 %R of chromium in the matrix spike analysis of sample 124945-3 exceeded the QC acceptance limits. Matrix interference or a nonhomogeneous sample may be indicated by the acceptable recoveries of this analyte in the associated BS and BSD. The %R has been flagged "X7".

The RPDs between batch QC sample 124945-11 and its duplicate exceeded the QC acceptance limits for arsenic and lead, due to analyte concentration near the reporting limit. The RPD between sample 124945-1 and its duplicate exceeded the QC acceptance limits for mercury, due to analyte concentration near the RL. The RPDs have been flagged "X4a"

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ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 1, 2005

Project: Bradford Island, Oregon Lab No.: 124945

TOTAL METALS, cont.
All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the total metals analyses.

DISSOLVED METALS
Sample 124945-1 was analyzed for dissolved 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 on 11-24-04 and analyzed by Method 6010B on11-24-04 and by Method 6020 on 11-29-04, as QC batch DP761. The sample was digested and analyzed for dissolved mercury in accordance with EPA SW-846 Method 7470A on 11-22-04, as QC batch ZD199. The samples were analyzed within the required holding time.

Bradford Island sample 041117SGA05GW (124945-11) was used as the batch QC sample for DP761.

Copper, manganese, mercury 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.

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 RPDs between batch QC sample 124993-11 and its duplicate exceeded the QC acceptance limits for selenium and zinc, due to analyte concentration near the reporting limit. The RPD between sample 124945-1 and its duplicate exceeded the QC acceptance limits for mercury, due to analyte concentration near the reporting limit. The RPDs have been flagged "X4a"

All other quality control parameters were within the acceptance limits.

No other difficulties were encountered during the dissolved metals analyses.

TOTAL SUSPENDED SOLIDS (TSS)
Sample 124945-1 was analyzed for TSS in accordance with EPA Method 160.2. The sample was analyzed on 11-24-04, which was within the required holding time.

Sample 124945-1 was analyzed as QC batch 1279-89. A nonproject sample was used as the batch QC sample.

All quality control parameters were within the acceptance limits.

No difficulties were encountered during the TSS analyses.

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STL Seattle

ANALYTICAL NARRATIVE

Client: URS Corporation Date: January 1, 2005

Project: Bradford Island, Oregon Lab No.: 124945

TOTAL ORGANIC CARBON (TOC)

Samples 124945-1 was analyzed for TOC in accordance with EPA SW-846 Method 9060. The sample was analyzed 11-24-04, which was within the required holding time. Sample 124945-3 was analyzed for TOC by STL Burlington, and is included at the end of this data package

Sample 124945-1 was analyzed as QC batch TOC1239. 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.

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STL Seattle

Client Name	URS Corporation
Project Name	Bradford Island, Oregon
Date Received	11-18-04

General Chemistry Parameters

	Client Sample ID		041116SGA01GW		
	Lab ID		124945-01		
Parameter	**Method**	**Date Analyzed**	**Units**	**Result**	**PQL**
Total Suspended Solids	EPA 160.2	11-24-04	mg/L	232	10

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/04
Date Prepared:	11/29/04
Date Analyzed:	11/29/04
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	99.5		80	120
Fluorobenzene	105		80	120
Toluene-D8	107		80	120
Ethylbenzene-d10	111		80	120
Bromofluorobenzene	100		80	120
Trifluorotoluene	55.2	X9	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		0.273	1	0.0748	J B1
Chloroethane	ND		1	0.187	
Trichlorofluoromethane	ND		1	0.062	
1,1-Dichloroethene	ND		1	0.0595	
Methylene chloride	ND		1	0.0752	
trans-1,2-Dichloroethene	ND		1	0.0584	
1,1-Dichloroethane		0.0555	1	0.036	J
2,2-Dichloropropane	ND		1	0.0487	
cis-1,2-Dichloroethene		3.76	1	0.0433	
Bromochloromethane	ND		1	0.0573	
Chloroform	ND		1	0.0717	
1,1,1-Trichloroethane		0.104	1	0.0477	J
Carbon Tetrachloride	ND		1	0.097	
1,1-Dichloropropene	ND		1	0.0695	
Benzene		0.0579	1	0.0417	J
1,2-Dichloroethane	ND		1	0.0533	
Trichloroethene		2.03	1	0.0641	
1,2-Dichloropropane	ND		1	0.038	
Dibromomethane	ND		1	0.0864	
Bromodichloromethane	ND		1	0.0785	
cis-1,3-Dichloropropene	ND		1	0.0301	
Toluene		0.221	1	0.0588	J
trans-1,3-Dichloropropene	ND		1	0.0539	

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Volatile Organics by USEPA Method 5035\8260B data for 124945-01 continued...

Analyte		Result (ug/L)	RL	MDL	Flags
1,1,2-Trichloroethane	ND		1	0.0627	
Tetrachloroethene		5.08	1	0.0578	
1,3-Dichloropropane	ND		1	0.0738	
Dibromochloromethane	ND		1	0.0539	
1,2-Dibromoethane	ND		1	0.0637	
Chlorobenzene		0.134	1	0.0376	J B1
Ethylbenzene		0.0486	1	0.0226	J
1,1,1,2-Tetrachloroethane	ND		1	0.0528	
m,p-Xylene		0.132	2	0.0718	J
o-Xylene		0.0735	1	0.0265	J
Styrene	ND		1	0.0279	
Bromoform		0.15	1	0.083	J B1
Isopropylbenzene		0.0197	1	0.0165	J
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		0.0297	1	0.0249	J
4-Chlorotoluene	ND		1	0.0491	
t-Butylbenzene	ND		1	0.0535	
1,2,4-Trimethylbenzene		0.0485	1	0.0283	J
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		0.118	1	0.0317	J B1

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STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/2004
Date Prepared:	11/22/2004
Date Analyzed:	11/22/2004
% Solids	84.94
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	108		75	125
Fluorobenzene	101		75	125
Toluene-D8	94.3		75	125
Ethylbenzene-d10	93.7		75	125
Bromofluorobenzene	91.6		75	125
Trifluorotoluene	104		75	125

Sample results are on a dry weight basis.

		Result			
Analyte		**(ug/kg)**	**RL**	**MDL**	**Flags**
Dichlorodifluoromethane		0.162	2.32	0.0948	J
Chloromethane	ND		2.32	0.811	
Vinyl chloride	ND		2.32	0.431	
Bromomethane	ND		2.32	0.814	
Chloroethane	ND		2.32	1.33	
Trichlorofluoromethane	ND		2.32	0.811	
1,1-Dichloroethene	ND		2.32	0.904	
Carbon disulfide		1.04	2.32	0.64	J
Acetone		31.2	11.6	5.98	B1
Methylene chloride		1.14	2.32	0.38	J
trans-1,2-Dichloroethene	ND		2.32	0.58	
1,1-Dichloroethane	ND		2.32	0.117	
Vinyl acetate	ND		11.6	2.34	
2,2-Dichloropropane	ND		2.32	0.156	
2-Butanone	ND		11.6	4.24	
cis-1,2-Dichloroethene	ND		2.32	0.209	
Bromochloromethane	ND		2.32	0.106	
Chloroform	ND		2.32	0.123	
1,1,1-Trichloroethane	ND		2.32	0.133	
Carbon Tetrachloride	ND		2.32	0.195	
1,1-Dichloropropene	ND		2.32	1.85	
Benzene		0.325	2.32	0.147	J B1
1,2-Dichloroethane	ND		2.32	0.18	
Trichloroethene		0.0809	2.32	0.0744	J
1,2-Dichloropropane	ND		2.32	0.0876	
Dibromomethane	ND		2.32	0.15	

00014

Volatile Organics by USEPA Method 5030/8260B data for 124945-03 continued...

Analyte		Result (ug/kg)	RL	MDL	Flags
Bromodichloromethane	ND		2.32	0.143	
cis-1,3-Dichloropropene	ND		2.32	0.0846	
4-Methyl-2-pentanone	ND		11.6	1.47	
Toluene		0.57	2.32	0.0707	J B1
trans-1,3-Dichloropropene	ND		2.32	0.105	
1,1,2-Trichloroethane	ND		2.32	0.184	
Tetrachloroethene	ND		2.32	0.234	
1,3-Dichloropropane	ND		2.32	0.124	
2-Hexanone	ND		11.6	2.53	
Dibromochloromethane	ND		2.32	0.15	
1,2-Dibromoethane	ND		2.32	0.118	
Chlorobenzene	ND		2.32	0.103	
Ethylbenzene		0.12	2.32	0.0573	J B1
1,1,1,2-Tetrachloroethane	ND		2.32	0.0907	
m,p-Xylene		0.246	4.64	0.195	J B1
o-Xylene		0.102	2.32	0.0696	J B1
Styrene		0.0712	2.32	0.0556	J B1
Bromoform	ND		2.32	0.144	
Isopropylbenzene	ND		2.32	0.0865	
Bromobenzene	ND		2.32	0.092	
n-Propylbenzene	ND		2.32	0.109	
1,1,2,2-Tetrachloroethane	ND		2.32	0.131	
1,2,3-Trichloropropane	ND		2.32	0.155	
2-Chlorotoluene	ND		2.32	0.1	
1,3,5-Trimethylbenzene	ND		2.32	0.0883	
4-Chlorotoluene	ND		2.32	0.192	
t-Butylbenzene	ND		2.32	0.0559	
1,2,4-Trimethylbenzene	ND		2.32	0.0978	
sec-Butylbenzene	ND		2.32	0.0904	
1,3-Dichlorobenzene	ND		2.32	0.08	
4-Isopropyltoluene	ND		2.32	0.13	
1,4-Dichlorobenzene	ND		2.32	0.113	
n-Butylbenzene	ND		2.32	0.215	
1,2-Dichlorobenzene	ND		2.32	0.118	
1,2-Dibromo-3-chloropropane	ND		2.32	0.276	
1,2,4-Trichlorobenzene	ND		2.32	0.225	
1,2,3-Trichlorobenzene	ND		2.32	0.221	
Hexachlorobutadiene	ND		2.32	0.136	
Naphthalene	ND		2.32	0.955	

000015

STL Seattle

Client Name:	URS Corporation
Client ID:	TRIP BLANK #2718
Lab ID:	124945-04
Date Received:	11/18/04
Date Prepared:	11/29/04
Date Analyzed:	11/29/04
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	97.5		80	120
Fluorobenzene	107		80	120
Toluene-D8	107		80	120
Ethylbenzene-d10	112		80	120
Bromofluorobenzene	103		80	120
Trifluorotoluene	98.4		80	120

Analyte		Result (ug/L)	RL	MDL	Flags
Dichlorodifluoromethane	ND		1	0.0575	
Chloromethane		0.173	1	0.11	J
Vinyl chloride	ND		1	0.0604	
Bromomethane		0.42	1	0.0748	J B1
Chloroethane	ND		1	0.187	
Trichlorofluoromethane	ND		1	0.062	
1,1-Dichloroethene	ND		1	0.0595	
Methylene chloride		0.0866	1	0.0752	J
trans-1,2-Dichloroethene	ND		1	0.0584	
1,1-Dichloroethane	ND		1	0.036	
2,2-Dichloropropane	ND		1	0.0487	
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	
Bromodichloromethane	ND		1	0.0785	
cis-1,3-Dichloropropene	ND		1	0.0301	
Toluene	ND		1	0.0588	
trans-1,3-Dichloropropene	ND		1	0.0539	

000016

Volatile Organics by USEPA Method 5035\8260B data for 124945-04 continued...

Analyte		Result (ug/L)	RL	MDL	Flags
1,1,2-Trichloroethane	ND		1	0.0627	
Tetrachloroethene	ND		1	0.0578	
1,3-Dichloropropane	ND		1	0.0738	
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		0.16	1	0.083	J B1
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		0.0614	1	0.0317	J B1

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	17.6		2	120
Phenol - d5	17.2		1	102
Nitrobenzene - d5	71.3		34	146
2 - Fluorobiphenyl	78.5		35	143
2,4,6 - Tribromophenol	39.3		29	151
p - Terphenyl - d14	84.8		35	166

Analyte		Result (ug/L)	RL	MDL	Flags
Phenol		0.0276	0.22	0.00505	J
bis(2-Chloroethyl)ether	ND		0.22	0.0356	
2-Chlorophenol	ND		0.22	0.0463	
1,3-Dichlorobenzene	ND		0.22	0.0403	
1,4-Dichlorobenzene	ND		0.22	0.0347	
Benzyl Alcohol	ND		0.22	0.0467	
1,2-Dichlorobenzene	ND		0.22	0.0305	
2-Methylphenol	ND		0.22	0.043	
bis(2-Chloroisopropyl)ether	ND		0.22	0.0471	
3-&4-Methylphenol	ND		0.44	0.0485	
N-nitroso-di-n-propylamine	ND		0.22	0.0405	
Hexachloroethane	ND		0.22	0.0419	
Nitrobenzene	ND		0.22	0.0571	
Isophorone	ND		0.22	0.0311	
2-Nitrophenol	ND		0.22	0.047	
2,4-Dimethylphenol	ND		1.1	0.201	
Benzoic Acid	ND		1.1	0.147	
bis(2-Chloroethoxy)methane	ND		0.22	0.0199	
2,4-Dichlorophenol	ND		0.22	0.0204	
1,2,4-Trichlorobenzene	ND		0.22	0.0135	
Naphthalene		0.111	0.0549	0.0191	
4-Chloroaniline	ND		0.33	0.0795	
Hexachlorobutadiene	ND		0.22	0.0162	
4-Chloro-3-methylphenol	ND		0.22	0.0268	
2-Methylnaphthalene		0.0683	0.0549	0.0164	
Hexachlorocyclopentadiene	ND		1.1	0.341	

000018

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 124945-01 continued...

Analyte		Result (ug/L)	RL	MDL	
2,4,6-Trichlorophenol	ND		0.22	0.0353	
2,4,5-Trichlorophenol	ND		0.22	0.0487	
2-Chloronaphthalene	ND		0.022	0.00527	
2-Nitroaniline	ND		0.22	0.0329	
Dimethylphthalate	ND		0.22	0.0429	
Acenaphthylene	ND		0.022	0.00264	
2,6-Dinitrotoluene	ND		0.22	0.0418	
3-Nitroaniline	ND		0.22	0.0621	
Acenaphthene		0.0173	0.022	0.00374	J
2,4-Dinitrophenol	ND		1.1	0.227	
4-Nitrophenol	ND		1.1	0.13	
Dibenzofuran		0.0237	0.22	0.0225	J
2,4-Dinitrotoluene	ND		0.22	0.0631	
Diethylphthalate	ND		0.22	0.0612	
4-Chlorophenylphenylether	ND		0.22	0.0354	
Fluorene		0.021	0.022	0.00187	J
4-Nitroaniline	ND		0.22	0.0426	
4,6-Dinitro-2-methylphenol	ND		1.1	0.341	
N-Nitrosodiphenylamine	ND		0.22	0.00934	
4-Bromophenylphenylether	ND		0.22	0.0241	
Hexachlorobenzene	ND		0.22	0.0275	
Pentachlorophenol	ND		0.22	0.22	
Phenanthrene		0.0198	0.022	0.00407	J
Anthracene	ND		0.022	0.00209	
Di-n-butylphthalate		0.18	0.22	0.0409	J
Fluoranthene	ND		0.022	0.00626	
Pyrene	ND		0.022	0.00319	
Butylbenzylphthalate		0.12	0.33	0.107	J
3,3'-Dichlorobenzidine	ND		1.1	0.206	
Benzo(a)anthracene	ND		0.022	0.00571	
Chrysene	ND		0.022	0.00923	
bis(2-Ethylhexyl)phthalate	ND		1.65	0.419	
Di-n-octylphthalate	ND		0.22	0.03	
Benzofluoranthenes	ND		0.11	0.0131	
Benzo(a)pyrene	ND		0.022	0.00363	
Indeno(1,2,3-cd)pyrene	ND		0.022	0.00308	
Dibenz(a,h)anthracene	ND		0.022	0.00341	
Benzo(g,h,i)perylene	ND		0.022	0.0056	
Carbazole	ND		0.22	0.0238	
N-nitrosodimethylamine	ND		1.1	1.1	
Benzidine	ND		1.1	1.1	

000019

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/2004
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	84.94
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	61.1		36	145
Phenol - d5	73.1		38	149
Nitrobenzene - d5	54.3		38	141
2 - Fluorobiphenyl	53.1		42	140
2,4,6 - Tribromophenol	77.3		28	143
p - Terphenyl - d14	88.2		42	151

Sample results are on a dry weight basis.

		Result			
Analyte		**(ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	ND		5.88	0.85	
bis(2-Chloroethyl)ether	ND		11.8	1.85	
2-Chlorophenol	ND		5.88	0.791	
1,3-Dichlorobenzene	ND		5.88	1	
1,4-Dichlorobenzene	ND		5.88	0.988	
Benzyl Alcohol	ND		5.88	2.34	
1,2-Dichlorobenzene	ND		5.88	0.798	
2-Methylphenol	ND		5.88	1.11	
bis(2-Chloroisopropyl)ether	ND		29.4	9.39	
3-&4-Methylphenol	ND		5.88	1.39	
N-nitroso-di-n-propylamine	ND		5.88	1.58	
Hexachloroethane	ND		5.88	1.99	
Nitrobenzene	ND		11.8	3.54	
Isophorone	ND		11.8	0.592	
2-Nitrophenol	ND		5.88	1.34	
2,4-Dimethylphenol	ND		2.35	0.899	
Benzoic Acid	ND		70.5	18.8	
bis(2-Chloroethoxy)methane	ND		11.8	2.26	
2,4-Dichlorophenol	ND		5.88	1.04	
1,2,4-Trichlorobenzene	ND		5.88	0.998	
Naphthalene	ND		2.35	1.04	
4-Chloroaniline	ND		11.8	1.09	
Hexachlorobutadiene	ND		5.88	0.859	
4-Chloro-3-methylphenol	ND		5.88	1.05	
2-Methylnaphthalene	ND		2.35	0.611	
Hexachlorocyclopentadiene	ND		5.88	0.932	

000020

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 124945-03 continued...

Analyte		Result (ug/kg)	RL	MDL	
2,4,6-Trichlorophenol	ND		5.88	0.93	
2,4,5-Trichlorophenol	ND		5.88	0.912	
2-Chloronaphthalene	ND		2.35	0.793	
2-Nitroaniline	ND		2.35	0.638	
Dimethylphthalate	ND		11.8	2.3	
Acenaphthylene	ND		2.35	0.692	
2,6-Dinitrotoluene	ND		5.88	1.26	
3-Nitroaniline	ND		11.8	3.44	
Acenaphthene	ND		2.35	0.603	
2,4-Dinitrophenol	ND		58.8	8.22	
4-Nitrophenol	ND		58.8	9.63	
Dibenzofuran	ND		5.88	0.543	
2,4-Dinitrotoluene	ND		11.8	2	
Diethylphthalate	ND		11.8	4.24	
4-Chlorophenylphenylether	ND		11.8	2.53	
Fluorene	ND		2.35	0.759	
4-Nitroaniline	ND		23.5	4.82	
4,6-Dinitro-2-methylphenol	ND		11.8	2.12	
N-Nitrosodiphenylamine	ND		2.35	0.672	
4-Bromophenylphenylether	ND		11.8	2.16	
Hexachlorobenzene	ND		2.35	0.622	
Pentachlorophenol	ND		11.8	2.28	
Phenanthrene	ND		2.35	0.698	
Anthracene	ND		2.35	0.447	
Di-n-butylphthalate	ND		11.8	2.14	
Fluoranthene	ND		2.35	1.19	
Pyrene	ND		2.35	0.4	
Butylbenzylphthalate	ND		23.5	2.52	
3,3'-Dichlorobenzidine	ND		23.5	5.1	
Benzo(a)anthracene	ND		2.35	1.19	
Chrysene	ND		2.35	0.84	
bis(2-Ethylhexyl)phthalate		11.2	23.5	2.15	J
Di-n-octylphthalate	ND		23.5	2.16	
Benzofluoranthenes	ND		4.7	1.06	
Benzo(a)pyrene	ND		2.35	0.744	
Indeno(1,2,3-cd)pyrene	ND		2.35	0.536	
Dibenz(a,h)anthracene	ND		2.35	0.73	
Benzo(g,h,i)perylene	ND		2.35	0.565	
Carbazole	ND		11.8	2.34	
N-nitrosodimethylamine	ND		11.8	3.58	
Benzidine	ND		11.8	3.31	

00021

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Dissolved Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	0	X9	2	120
Phenol - d5	1.21		1	102
Nitrobenzene - d5	73.1		34	146
2 - Fluorobiphenyl	79.3		35	143
2,4,6 - Tribromophenol	0	X9	29	151
p - Terphenyl - d14	69.8		35	166

		Result			
Analyte		**(ug/L)**	**RL**	**MDL**	**Flags**
Phenol	ND		0.201	0.00461	
bis(2-Chloroethyl)ether	ND		0.201	0.0325	
2-Chlorophenol	ND		0.201	0.0422	
1,3-Dichlorobenzene	ND		0.201	0.0368	
1,4-Dichlorobenzene	ND		0.201	0.0317	
Benzyl Alcohol	ND		0.201	0.0426	
1,2-Dichlorobenzene	ND		0.201	0.0279	
2-Methylphenol	ND		0.201	0.0392	
bis(2-Chloroisopropyl)ether	ND		0.201	0.043	
3-&4-Methylphenol	ND		0.401	0.0442	
N-nitroso-di-n-propylamine	ND		0.201	0.037	
Hexachloroethane	ND		0.201	0.0382	
Nitrobenzene	ND		0.201	0.0522	
Isophorone	ND		0.201	0.0284	
2-Nitrophenol	ND		0.201	0.0429	
2,4-Dimethylphenol	ND		1	0.184	
Benzoic Acid	ND		1	0.134	
bis(2-Chloroethoxy)methane	ND		0.201	0.0182	
2,4-Dichlorophenol	ND		0.201	0.0187	
1,2,4-Trichlorobenzene	ND		0.201	0.0123	
Naphthalene		0.0399	0.0502	0.0175	J
4-Chloroaniline	ND		0.301	0.0725	
Hexachlorobutadiene	ND		0.201	0.0147	
4-Chloro-3-methylphenol	ND		0.201	0.0245	
2-Methylnaphthalene		0.0158	0.0502	0.0149	J
Hexachlorocyclopentadiene	ND		1	0.311	

000022

STL Seattle

Dissolved Semivolatile Organics by USEPA Method 8270 data for 124945-01 continued...

Analyte		Result (ug/L)	RL	MDL	
2,4,6-Trichlorophenol	ND		0.201	0.0322	
2,4,5-Trichlorophenol	ND		0.201	0.0444	
2-Chloronaphthalene	ND		0.0201	0.00481	
2-Nitroaniline	ND		0.201	0.03	
Dimethylphthalate	ND		0.201	0.0391	
Acenaphthylene	ND		0.0201	0.00241	
2,6-Dinitrotoluene	ND		0.201	0.0381	
3-Nitroaniline	ND		0.201	0.0567	
Acenaphthene		0.00491	0.0201	0.00341	J
2,4-Dinitrophenol	ND		1	0.208	
4-Nitrophenol	ND		1	0.118	
Dibenzofuran	ND		0.201	0.0206	
2,4-Dinitrotoluene	ND		0.201	0.0576	
Diethylphthalate		0.0585	0.201	0.0559	J
4-Chlorophenylphenylether	ND		0.201	0.0323	
Fluorene		0.00731	0.0201	0.00171	J
4-Nitroaniline	ND		0.201	0.0389	
4,6-Dinitro-2-methylphenol	ND		1	0.311	
N-Nitrosodiphenylamine	ND		0.201	0.00853	
4-Bromophenylphenylether	ND		0.201	0.022	
Hexachlorobenzene	ND		0.201	0.0251	
Pentachlorophenol	ND		0.201	0.201	
Phenanthrene		0.00957	0.0201	0.00371	J
Anthracene	ND		0.0201	0.00191	
Di-n-butylphthalate		0.13	0.201	0.0373	J
Fluoranthene	ND		0.0201	0.00572	
Pyrene	ND		0.0201	0.00291	
Butylbenzylphthalate		0.117	0.301	0.0978	J
3,3'-Dichlorobenzidine	ND		1	0.188	
Benzo(a)anthracene	ND		0.0201	0.00522	
Chrysene	ND		0.0201	0.00843	
bis(2-Ethylhexyl)phthalate	ND		1.5	0.382	
Di-n-octylphthalate	ND		0.201	0.0274	
Benzofluoranthenes	ND		0.1	0.0119	
Benzo(a)pyrene	ND		0.0201	0.00331	
Indeno(1,2,3-cd)pyrene	ND		0.0201	0.00281	
Dibenz(a,h)anthracene	ND		0.0201	0.00311	
Benzo(g,h,i)perylene	ND		0.0201	0.00512	
Carbazole	ND		0.201	0.0218	
N-nitrosodimethylamine	ND		1	1	
Benzidine	ND		1	1	

000023

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/2004
Date Prepared:	11/23/2004
Date Analyzed:	11/25/2004
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	97.4		46	173

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Tetrabutyltin	ND	0.00247	0.000748	
Tributyltin	ND	0.00173	0.000552	
Dibutyltin	ND	0.000988	0.000287	
Monobutyltin	ND	0.000494	0.000142	

000024

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/2004
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
% Solids	84.94
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 a dry weight basis.

Analyte		**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	ND		2.25	0.846	
Tributyltin	ND		3	1.04	
Dibutyltin		5.73	2.25	0.824	
Monobutyltin		11.1	1.5	0.587	

000025

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
% Solids	84.94
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	72.5		47	144
Decachlorobiphenyl	73.2		51	149

Sample results are on a dry weight basis.

Analyte		**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	ND		1.09	0.112	
alpha-BHC	ND		1.09	0.109	
beta-BHC	ND		1.09	0.121	
delta-BHC	ND		1.09	0.109	
gamma-BHC (Lindane)	ND		1.09	0.131	
4,4'-DDD	ND		2.18	0.222	
4,4'-DDE	ND		2.18	0.218	
4,4'-DDT	ND		2.18	0.256	
Dieldrin	ND		2.18	0.264	
Endosulfan I	ND		1.09	0.122	
Endosulfan II	ND		2.18	0.278	
Endosulfan sulfate	ND		2.18	0.52	
Endrin	ND		2.18	0.136	
Endrin aldehyde	ND		2.18	0.631	
Heptachlor	ND		1.09	0.109	
Heptachlor epoxide	ND		1.09	0.149	
Methoxychlor	ND		10.9	0.157	
Endrin ketone	ND		2.18	0.122	
Toxaphene	ND		109	10.9	
alpha-Chlordane	ND		1.09	0.118	
gamma-Chlordane	ND		1.09	0.132	

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/2004
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	88.9		32	134
Decachlorobiphenyl	69.9		55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND	0.0103	0.00226	
Aroclor 1221	ND	0.0103	0.00226	
Aroclor 1232	ND	0.0103	0.00226	
Aroclor 1242	ND	0.0103	0.00226	
Aroclor 1248	ND	0.0103	0.00226	
Aroclor 1254	ND	0.0103	0.00248	
Aroclor 1260	ND	0.0103	0.00248	

00027

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/2004
Date Prepared:	11/23/2004
Date Analyzed:	12/2/2004
% Solids	84.94
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	95		60	123
Decachlorobiphenyl	128	N	65	126

Sample results are on a dry weight basis.

Analyte		**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1016	ND		0.00884	0.00261	
Aroclor 1221	ND		0.00884	0.00261	
Aroclor 1232	ND		0.00884	0.00261	
Aroclor 1242	ND		0.00884	0.00261	
Aroclor 1248	ND		0.00884	0.00261	
Aroclor 1254	ND		0.00884	0.00143	
Aroclor 1260	ND		0.00884	0.00143	

000028

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/04
Date Prepared:	11/30/04
Date Analyzed:	11/30/04
% Solids	84.94
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	96.4		50	150
1-Chloro-3-fluorobenzene	109		50	150
Bromofluorobenzene	108		50	150
Pentafluorobenzene	85		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	2.26	4.63	0.131	J B1

000029

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
% Solids	84.94
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
o-terphenyl	80.4		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
#2 Diesel	ND	27.8	5.31	
Motor Oil	ND	55.5	10.6	

000030

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/04
Date Prepared:	11/24/04
Date Analyzed:	11/25/04
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	MDL	Flags
Aluminum	12.4	0.1	0.00588	B2
Calcium	33.7	1	0.00868	
Cobalt	0.00646	0.005	0.00077	
Iron	16.5	0.1	0.014	
Magnesium	11.8	1	0.0123	
Nickel	0.00896	0.01	0.00037	J
Potassium	2.05	1	0.0813	
Sodium	10.7	1	0.118	
Vanadium	0.0315	0.01	0.000488	

00031

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/04
Date Prepared:	11/24/04
Date Analyzed:	11/29/04
Dilution Factor	1

Metals by ICP-MS - USEPA Method 6020

Analyte	Result (mg/L)	RL	MDL	Flags
Arsenic	0.00461	0.0005	0.000102	
Antimony	0.000898	0.0005	0.0000271	B2
Barium	0.0837	0.0005	0.0000245	B2
Beryllium	0.000307	0.0005	0.0000782	J
Cadmium	ND	0.0005	0.0000247	
Chromium	0.0107	0.0005	0.0000595	
Copper	0.0365	0.0005	0.0000625	B2
Lead	0.00501	0.0005	0.000024	B2
Manganese	0.219	0.0006	0.0000239	B2
Selenium	0.00206	0.0005	0.000149	
Silver	0.000241	0.0001	0.0000188	
Thallium	0.000092	0.0005	0.0000292	J
Zinc	0.0307	0.002	0.000108	B2

00032

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/04
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
Dilution Factor	1

Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	MDL	Flags
Mercury	0.000076	0.0002	0.000053	J

00033

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/04
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
Dilution Factor	1
% Solids	84.94

Metals by ICP - USEPA Method 6010

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Aluminum	10200	10.1	0.595	B2
Calcium	5700	101	4.28	
Cobalt	13.5	0.507	0.0473	
Iron	23700	10.1	1.41	
Magnesium	5770	101	1.63	
Nickel	17.4	1.01	0.102	
Potassium	544	101	7.6	
Sodium	ND	101	11.9	
Vanadium	54.3	1.01	0.0241	

000034

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/04
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
Dilution Factor	5
% Solids	84.94

Metals by ICP-MS - USEPA Method 6020

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Arsenic	7.28	0.253	0.0517	
Antimony	0.256	0.253	0.0137	
Barium	77.7	0.253	0.0124	
Beryllium	0.454	0.253	0.0396	
Cadmium	ND	0.253	0.0125	
Chromium	19	0.253	0.0301	B2
Copper	47.4	0.253	0.0317	B2
Lead	6.23	0.253	0.0122	B2
Manganese	423	0.253	0.0121	B2
Selenium	0.407	0.253	0.0755	
Silver	0.136	0.253	0.00952	J
Thallium	0.13	0.253	0.0148	J
Zinc	46.3	5.07	0.0547	B2

00035

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/04
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
Dilution Factor	1
% Solids	84.94

Mercury by CVAA - USEPA Method 7471

Sample results are on a dry weight basis.

Analyte	Result (mg/kg)	RL	MDL	Flags
Mercury	0.0362	0.0233	0.00619	

000036

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/04
Date Prepared:	11/24/04
Date Analyzed:	11/24/04
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	MDL	Flags
Aluminum	0.277	0.1	0.00588	
Calcium	28	1	0.00868	
Cobalt	0.00248	0.005	0.00077	J
Iron	0.228	0.1	0.014	
Magnesium	7.65	1	0.0123	
Nickel	0.000403	0.01	0.00037	J
Potassium	1.05	1	0.0813	
Sodium	10.9	1	0.118	
Vanadium	0.001	0.01	0.000488	J

00037

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/04
Date Prepared:	11/24/04
Date Analyzed:	11/29/04
Dilution Factor	1

Dissolved Metals by ICP-MS - USEPA Method 6020

Analyte		Result (mg/L)	RL	MDL	Flags
Arsenic		0.00065	0.0005	0.000102	
Antimony		0.000305	0.0005	0.0000271	J
Barium		0.00763	0.0005	0.0000245	
Beryllium	ND		0.0005	0.0000782	
Cadmium	ND		0.0005	0.0000247	
Chromium		0.00194	0.0005	0.0000595	
Copper		0.00112	0.0005	0.0000625	B1
Lead		0.000096	0.0005	0.000024	J
Manganese		0.0923	0.0005	0.0000239	B2
Selenium		0.000797	0.0005	0.000149	
Silver		0.000047	0.0001	0.0000188	J
Thallium	ND		0.0005	0.0000292	
Zinc		0.002	0.002	0.000108	B1

00038

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/04
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
Dilution Factor	1

Dissolved Mercury by CVAA - USEPA Method 7470

Analyte	Result (mg/L)	RL	MDL	Flags
Mercury	0.00006	0.0002	0.000053	J

000039

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/2004
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	1.67	1	0.251	

000040

STL Seattle

QUALITY CONTROL REPORT

Client Sample ID: 041116SGA01GW
Lab ID: 124945-01
QC Batch Number: 1279-89

Method Blank

Parameter	Result (mg/L)	PQL
Total Suspended Solids	ND	2

Duplicate

Parameter	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD (%)	Flag
Total Suspended Solids	25	22	12.8	

STL Seattle

Lab ID:	Method Blank - VOA1042
Date Received:	-
Date Prepared:	11/22/2004
Date Analyzed:	11/22/2004
% Solids	
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

Surrogate	% Recovery	Flags	Recovery Limits Low	High
Dibromofluoromethane	98.9		75	125
Fluorobenzene	94.4		75	125
Toluene-D8	93.7		75	125
Ethylbenzene-d10	93.8		75	125
Bromofluorobenzene	94.1		75	125
Trifluorotoluene	109		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	ND		1	0.351	
Chloroethane	ND		1	0.573	
Trichlorofluoromethane	ND		1	0.35	
1,1-Dichloroethene	ND		1	0.39	
Carbon disulfide	ND		1	0.276	
Acetone		12.5	5	2.58	N
Methylene chloride	ND		1	0.164	
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	ND		5	1.83	
cis-1,2-Dichloroethene	ND		1	0.09	
Bromochloromethane	ND		1	0.0458	
Chloroform		0.0587	1	0.0532	J
1,1,1-Trichloroethane	ND		1	0.0574	
Carbon Tetrachloride	ND		1	0.0842	
1,1-Dichloropropene	ND		1	0.799	
Benzene		0.0794	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	

00042

STL Seattle

Volatile Organics by USEPA Method 5030/8260B data for VOA1042 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		0.208	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		0.055	1	0.0247	J
1,1,1,2-Tetrachloroethane	ND		1	0.0391	
m,p-Xylene		0.127	2	0.0843	J
o-Xylene		0.0363	1	0.03	J
Styrene		0.0313	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		0.0783	1	0.0422	J
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	

00043

STL Seattle

Lab ID:	Method Blank - VOA1050
Date Received:	-
Date Prepared:	11/29/04
Date Analyzed:	11/29/04
% 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	106		80	120
Ethylbenzene-d10	113		80	120
Bromofluorobenzene	102		80	120
Trifluorotoluene	96.6		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		0.386	1	0.0748	J
Chloroethane	ND		1	0.187	
Trichlorofluoromethane	ND		1	0.062	
1,1-Dichloroethene	ND		1	0.0595	
Methylene chloride	ND		1	0.0752	
trans-1,2-Dichloroethene	ND		1	0.0584	
1,1-Dichloroethane	ND		1	0.036	
2,2-Dichloropropane	ND		1	0.0487	
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		0.543	1	0.038	J
Dibromomethane	ND		1	0.0864	
Bromodichloromethane	ND		1	0.0785	
cis-1,3-Dichloropropene	ND		1	0.0301	
Toluene	ND		1	0.0588	
trans-1,3-Dichloropropene	ND		1	0.0539	

00044

Volatile Organics by USEPA Method 5035\8260B data for VOA1050 continued...

Analyte		Result (ug/L)	RL	MDL	Flags
1,1,2-Trichloroethane	ND		1	0.0627	
Tetrachloroethene	ND		1	0.0578	
1,3-Dichloropropane	ND		1	0.0738	
Dibromochloromethane	ND		1	0.0539	
1,2-Dibromoethane	ND		1	0.0637	
Chlorobenzene		0.133	1	0.0376	J
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		0.161	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		0.0644	1	0.0513	J
1,2,3-Trichlorobenzene		0.0738	1	0.0605	J
Hexachlorobutadiene	ND		1	0.152	
Naphthalene		0.209	1	0.0317	J

000045

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1042
Date Prepared:	11/22/2004
Date Analyzed:	11/22/2004
QC Batch ID:	VOA1042

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	4.07	102	3.92	98	-4	
Benzene	0.079	4	4.31	106	4.22	104	-1.9	
Trichloroethene	0	4	4.15	104	4.11	103	-0.97	
Toluene	0.21	4	4.14	98.4	4.21	100	1.6	
Chlorobenzene	0	4	4.11	103	4.01	100	-3	

000046

STL Seattle

Lab ID:	Blank Spike - SVOA1042
Date Received:	-
Date Prepared:	11/22/2004
Date Analyzed:	11/22/2004
% Solids	
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	100		75	125
Fluorobenzene	94.2		75	125
Toluene-D8	96.1		75	125
Ethylbenzene-d10	95.8		75	125
Bromofluorobenzene	101		75	125
Trifluorotoluene	88.1		75	125

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
1,1-Dichloroethene	4.07	1	0.39	
Benzene	4.31	1	0.0633	B2
Trichloroethene	4.15	1	0.0321	
Toluene	4.14	1	0.0305	B2
Chlorobenzene	4.11	1	0.0444	

000047

STL Seattle

Lab ID:	Blank Spike Duplicate - DVOA1042
Date Received:	-
Date Prepared:	11/22/2004
Date Analyzed:	11/22/2004
% Solids	
Dilution Factor	1

Volatile Organics by USEPA Method 5030/8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	97.9		75	125
Fluorobenzene	91.5		75	125
Toluene-D8	95.8		75	125
Ethylbenzene-d10	95.2		75	125
Bromofluorobenzene	98.9		75	125
Trifluorotoluene	93.9		75	125

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
1,1-Dichloroethene	3.92	1	0.39	
Benzene	4.22	1	0.0633	B2
Trichloroethene	4.11	1	0.0321	
Toluene	4.21	1	0.0305	B2
Chlorobenzene	4.01	1	0.0444	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	VOA1050
Date Prepared:	11/29/04
Date Analyzed:	11/29/04
QC Batch ID:	VOA1050

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	4.8	96.1	4.7	94	-2.2	
Chloroform	0	5	4.95	99	4.81	96.2	-2.9	
Benzene	0	5	5.08	102	5.02	100	-2	
Trichloroethene	0	5	5.02	100	4.95	99	-1	
Toluene	0	5	4.91	98.2	4.92	98.3	0.1	
Chlorobenzene	0.13	5	4.93	96	5.01	97.5	1.6	

000049

STL Seattle

Lab ID:	Blank Spike - SVOA1050
Date Received:	-
Date Prepared:	11/29/04
Date Analyzed:	11/29/04
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	104		80	120
Fluorobenzene	106		80	120
Toluene-D8	109		80	120
Ethylbenzene-d10	113		80	120
Bromofluorobenzene	106		80	120
Trifluorotoluene	99		80	120

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
1,1-Dichloroethene	4.8	1	0.0595	
Chloroform	4.95	1	0.0717	
Benzene	5.08	1	0.0417	
Trichloroethene	5.02	1	0.0641	
Toluene	4.91	1	0.0588	
Chlorobenzene	4.93	1	0.0376	B2

00050

STL Seattle

Lab ID:	Blank Spike Duplicate - DVOA1050
Date Received:	-
Date Prepared:	11/29/04
Date Analyzed:	11/29/04
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	99.1		80	120
Fluorobenzene	104		80	120
Toluene-D8	108		80	120
Ethylbenzene-d10	113		80	120
Bromofluorobenzene	107		80	120
Trifluorotoluene	101		80	120

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
1,1-Dichloroethene	4.7	1	0.0595	
Chloroform	4.81	1	0.0717	
Benzene	5.02	1	0.0417	
Trichloroethene	4.95	1	0.0641	
Toluene	4.92	1	0.0588	
Chlorobenzene	5.01	1	0.0376	B2

00051

STL Seattle

Lab ID:	Method Blank - SW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	25.8		2	120
Phenol - d5	13.8		1	102
Nitrobenzene - d5	64.2		34	146
2 - Fluorobiphenyl	63.1		35	143
2,4,6 - Tribromophenol	41.2		29	151
p - Terphenyl - d14	47.2		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	

00052

Semivolatile Organics by USEPA Method 8270 data for SW1034 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	ND		0.2	0.0372
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

STL Seattle

Lab ID:	Method Blank - SS1281
Date Received:	-
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	78.8		36	145
Phenol - d5	79.1		38	149
Nitrobenzene - d5	77.6		38	141
2 - Fluorobiphenyl	78.7		42	140
2,4,6 - Tribromophenol	79.9		28	143
p - Terphenyl - d14	119		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	

Semivolatile Organics by USEPA Method 8270 data for SS1281 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		3.51	10	1.82	J
Fluoranthene	ND		2	1.01	
Pyrene	ND		2	0.34	
Butylbenzylphthalate		2.74	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	

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SW1034
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
QC Batch ID:	SW1034

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	0.467	31.1	0.468	31.2	0.32	
2-Chlorophenol	0	1.5	0.999	66.6	0.9	60	-10	
1,4-Dichlorobenzene	0	1	0.736	73.6	0.672	67.2	-9.1	
N-nitroso-di-n-propylamine	0	1	0.743	74.3	0.805	80.5	8	
1,2,4-Trichlorobenzene	0	1	0.765	76.5	0.786	78.6	2.7	
4-Chloro-3-methylphenol	0	1.5	1.14	76.1	1.31	87.2	14	
Acenaphthene	0	1	0.71	71	0.831	83.1	16	
4-Nitrophenol	0	1.5	0.671	44.7	0.783	52.2	15	
2,4-Dinitrotoluene	0	1	0.77	77	0.719	71.9	-6.9	
Pentachlorophenol	0	1.5	0.579	38.6	0.471	31.4	-21	
Pyrene	0	1	0.716	71.6	0.795	79.5	10	

000056

STL Seattle

Lab ID:	Blank Spike - SSW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	41.4		2	120
Phenol - d5	30.7		1	102
Nitrobenzene - d5	66.3		34	146
2 - Fluorobiphenyl	76.9		35	143
2,4,6 - Tribromophenol	67.5		29	151
p - Terphenyl - d14	85.9		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.467	0.2	0.0046	
2-Chlorophenol	0.999	0.2	0.0421	
1,4-Dichlorobenzene	0.736	0.2	0.0316	
N-nitroso-di-n-propylamine	0.743	0.2	0.0369	
1,2,4-Trichlorobenzene	0.765	0.2	0.0123	
4-Chloro-3-methylphenol	1.14	0.2	0.0244	
Acenaphthene	0.71	0.02	0.0034	
4-Nitrophenol	0.671	1	0.118	J
2,4-Dinitrotoluene	0.77	0.2	0.0574	
Pentachlorophenol	0.579	0.2	0.2	
Pyrene	0.716	0.02	0.0029	

00057

STL Seattle

Lab ID:	Blank Spike Duplicate - DSW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	40.3		2	120
Phenol - d5	29.7		1	102
Nitrobenzene - d5	74.4		34	146
2 - Fluorobiphenyl	84.1		35	143
2,4,6 - Tribromophenol	68.9		29	151
p - Terphenyl - d14	87		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.468	0.2	0.0046	
2-Chlorophenol	0.9	0.2	0.0421	
1,4-Dichlorobenzene	0.672	0.2	0.0316	
N-nitroso-di-n-propylamine	0.805	0.2	0.0369	
1,2,4-Trichlorobenzene	0.786	0.2	0.0123	
4-Chloro-3-methylphenol	1.31	0.2	0.0244	
Acenaphthene	0.831	0.02	0.0034	
4-Nitrophenol	0.783	1	0.118	J
2,4-Dinitrotoluene	0.719	0.2	0.0574	
Pentachlorophenol	0.471	0.2	0.2	
Pyrene	0.795	0.02	0.0029	

000058

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SS1281
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
QC Batch ID:	SS1281

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	47.1	62.8	70.1	93.4	39	N
2-Chlorophenol	0	75	54.7	72.9	63.2	84.2	14	
1,4-Dichlorobenzene	0	50	38.6	77.2	46.9	93.9	20	
N-nitroso-di-n-propylamine	0	50	33	66	46.9	93.7	35	N
1,2,4-Trichlorobenzene	0	50	36.9	73.8	40.9	81.8	10	
4-Chloro-3-methylphenol	0	75	47.9	63.8	57.5	76.6	18	
Acenaphthene	0	50	40.6	81.2	49.9	99.9	21	
4-Nitrophenol	0	75	47.8	63.8	49.5	66	3.4	
2,4-Dinitrotoluene	0	50	21.7	43.3	29	58	29	
Pentachlorophenol	0	75	27	35.9	16.1	21.4	-51	
Pyrene	0	50	37.6	75.2	37	74.1	-1.5	

000059

STL Seattle

Lab ID:	Blank Spike - SSS1281
Date Received:	-
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% 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	86.1		38	149
Nitrobenzene - d5	75.8		38	141
2 - Fluorobiphenyl	78.3		42	140
2,4,6 - Tribromophenol	75.3		28	143
p - Terphenyl - d14	61.1		42	151

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	47.1	5	0.723	
2-Chlorophenol	54.7	5	0.673	
1,4-Dichlorobenzene	38.6	5	0.841	
N-nitroso-di-n-propylamine	33	5	1.34	
1,2,4-Trichlorobenzene	36.9	5	0.849	
4-Chloro-3-methylphenol	47.9	5	0.893	
Acenaphthene	40.6	2	0.513	
4-Nitrophenol	47.8	50	8.19	J
2,4-Dinitrotoluene	21.7	10	1.7	
Pentachlorophenol	27	10	1.94	
Pyrene	37.6	2	0.34	

000060

STL Seattle

Lab ID:	Blank Spike Duplicate - DSS1281
Date Received:	-
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	83.2		36	145
Phenol - d5	95.6		38	149
Nitrobenzene - d5	81.7		38	141
2 - Fluorobiphenyl	88.3		42	140
2,4,6 - Tribromophenol	67.8		28	143
p - Terphenyl - d14	57.8		42	151

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	70.1	5	0.723	
2-Chlorophenol	63.2	5	0.673	
1,4-Dichlorobenzene	46.9	5	0.841	
N-nitroso-di-n-propylamine	46.9	5	1.34	
1,2,4-Trichlorobenzene	40.9	5	0.849	
4-Chloro-3-methylphenol	57.5	5	0.893	
Acenaphthene	49.9	2	0.513	
4-Nitrophenol	49.5	50	8.19	J
2,4-Dinitrotoluene	29	10	1.7	
Pentachlorophenol	16.1	10	1.94	
Pyrene	37	2	0.34	

00061

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041117SGA09SS
Lab ID:	124993-07
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
QC Batch ID:	SS1281

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	89.9	58	64.6	61.7	68.2	5.4	
2-Chlorophenol	0	89.9	46.8	52	60.7	67.2	26	X7
1,4-Dichlorobenzene	0	59.9	24.4	40.8	22.1	36.6	-11	X7
N-nitroso-di-n-propylamine	0	59.9	38.3	63.9	45.4	75.3	16	
1,2,4-Trichlorobenzene	0	59.9	27	45.1	22	36.5	-21	X7
4-Chloro-3-methylphenol	0	89.9	48.4	53.8	67.4	74.5	32	X7
Acenaphthene	0	59.9	37.9	63.3	42	69.7	9.6	
4-Nitrophenol	0	89.9	73.2	81.5	70.6	78.1	-4.3	
2,4-Dinitrotoluene	0	59.9	33.1	55.3	35.3	58.5	5.6	
Pentachlorophenol	0	89.9	51.8	57.6	52.5	58.1	0.86	
Pyrene	0	59.9	50.5	84.3	54.5	90.3	6.9	

000062

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA09SS - ms
Lab ID:	124993S07
Date Received:	11/19/2004
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	80.46
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	67.9		36	145
Phenol - d5	76.7		38	149
Nitrobenzene - d5	62.9		38	141
2 - Fluorobiphenyl	59.9		42	140
2,4,6 - Tribromophenol	51.4		28	143
p - Terphenyl - d14	101		42	151

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	58	5.99	0.866	
2-Chlorophenol	46.8	5.99	0.806	
1,4-Dichlorobenzene	24.4	5.99	1.01	
N-nitroso-di-n-propylamine	38.3	5.99	1.61	
1,2,4-Trichlorobenzene	27	5.99	1.02	
4-Chloro-3-methylphenol	48.4	5.99	1.07	
Acenaphthene	37.9	2.4	0.615	
4-Nitrophenol	73.2	59.9	9.81	
2,4-Dinitrotoluene	33.1	12	2.04	
Pentachlorophenol	51.8	12	2.32	
Pyrene	50.5	2.4	0.407	

00063

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA09SS - msd
Lab ID:	124993D07
Date Received:	11/19/2004
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	80.46
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	74.1		36	145
Phenol - d5	80.1		38	149
Nitrobenzene - d5	71.9		38	141
2 - Fluorobiphenyl	46.6		42	140
2,4,6 - Tribromophenol	73.1		28	143
p - Terphenyl - d14	102		42	151

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	61.7	6.03	0.872	
2-Chlorophenol	60.7	6.03	0.812	
1,4-Dichlorobenzene	22.1	6.03	1.01	
N-nitroso-di-n-propylamine	45.4	6.03	1.62	
1,2,4-Trichlorobenzene	22	6.03	1.02	
4-Chloro-3-methylphenol	67.4	6.03	1.08	
Acenaphthene	42	2.41	0.619	
4-Nitrophenol	70.6	60.3	9.88	
2,4-Dinitrotoluene	35.3	12.1	2.05	
Pentachlorophenol	52.5	12.1	2.34	
Pyrene	54.5	2.41	0.41	

000094

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041118SGA13SS
Lab ID:	124993-20
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
QC Batch ID:	SS1281

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	95.4	48.8	51.1	52.9	57.5	12	
2-Chlorophenol	0	95.4	48.6	50.9	55	59.8	16	X7
1,4-Dichlorobenzene	0	63.6	16.2	25.4	17.7	29	13	X7
N-nitroso-di-n-propylamine	0	63.6	40.9	64.3	42.2	68.9	6.9	
1,2,4-Trichlorobenzene	0	63.6	15	23.5	15.9	26	10	X7
4-Chloro-3-methylphenol	0	95.4	43.3	45.4	53.9	58.6	25	X7
Acenaphthene	0	63.6	34.5	54.2	36.6	59.8	9.8	
4-Nitrophenol	0	95.4	54.5	57.1	55	59.8	4.6	
2,4-Dinitrotoluene	0	63.6	26.9	42.2	25.1	41	-2.9	
Pentachlorophenol	0	95.4	49.3	51.7	41.9	45.6	-13	
Pyrene	0	63.6	62.3	97.9	51.2	83.6	-16	

00065

STL Seattle

Client Name:	URS Corporation
Client ID:	041118SGA13SS - ms
Lab ID:	124993S20
Date Received:	11/19/2004
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	78.55
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	48.1		36	145
Phenol - d5	66.9		38	149
Nitrobenzene - d5	55		38	141
2 - Fluorobiphenyl	46.6		42	140
2,4,6 - Tribromophenol	57.3		28	143
p - Terphenyl - d14	127		42	151

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	48.8	6.36	0.92	
2-Chlorophenol	48.6	6.36	0.856	
1,4-Dichlorobenzene	16.2	6.36	1.07	
N-nitroso-di-n-propylamine	40.9	6.36	1.7	
1,2,4-Trichlorobenzene	15	6.36	1.08	
4-Chloro-3-methylphenol	43.3	6.36	1.14	
Acenaphthene	34.5	2.54	0.653	
4-Nitrophenol	54.5	63.6	10.4	J
2,4-Dinitrotoluene	26.9	12.7	2.16	
Pentachlorophenol	49.3	12.7	2.47	
Pyrene	62.3	2.54	0.433	

000066

STL Seattle

Client Name:	URS Corporation
Client ID:	041118SGA13SS - msd
Lab ID:	124993D20
Date Received:	11/19/2004
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	78.55
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	58		36	145
Phenol - d5	67.6		38	149
Nitrobenzene - d5	58.7		38	141
2 - Fluorobiphenyl	46.9		42	140
2,4,6 - Tribromophenol	74.2		28	143
p - Terphenyl - d14	97.2		42	151

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Phenol	52.9	6.13	0.886	
2-Chlorophenol	55	6.13	0.825	
1,4-Dichlorobenzene	17.7	6.13	1.03	
N-nitroso-di-n-propylamine	42.2	6.13	1.64	
1,2,4-Trichlorobenzene	15.9	6.13	1.04	
4-Chloro-3-methylphenol	53.9	6.13	1.09	
Acenaphthene	36.6	2.45	0.629	
4-Nitrophenol	55	61.3	10	J
2,4-Dinitrotoluene	25.1	12.3	2.08	
Pentachlorophenol	41.9	12.3	2.38	
Pyrene	51.2	2.45	0.417	

000067

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
QC Batch ID:	SW1034

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	0.011	1.59	0.291	17.6	0.0905	5.6	-100	X7
2-Chlorophenol	0	1.59	0.613	38.7	0.0921	6.5	-140	X7
1,4-Dichlorobenzene	0	1.06	0.596	56.3	0.599	63.4	12	
N-nitroso-di-n-propylamine	0	1.06	0.372	35.2	0.723	76.5	74	X7
1,2,4-Trichlorobenzene	0	1.06	0.774	73.2	0.765	81	10	
4-Chloro-3-methylphenol	0	1.59	0.994	62.7	0.272	19.2	-110	X7
Acenaphthene	0	1.06	0.853	80.7	0.747	79	-2.1	
4-Nitrophenol	0	1.59	0.255	16.1	0	0	-200	X7
2,4-Dinitrotoluene	0	1.06	0.522	49.4	0.682	72.2	38	X7
Pentachlorophenol	0	1.59	0.252	15.9	0	0	-200	X7
Pyrene	0	1.06	0.825	78	0.711	75.2	-3.7	

89068

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA05GW - ms
Lab ID:	124993S11
Date Received:	11/19/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	16.4		2	120
Phenol - d5	18.5		1	102
Nitrobenzene - d5	67		34	146
2 - Fluorobiphenyl	82.1		35	143
2,4,6 - Tribromophenol	42.1		29	151
p - Terphenyl - d14	81.5		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.291	0.211	0.00486	
2-Chlorophenol	0.613	0.211	0.0445	
1,4-Dichlorobenzene	0.596	0.211	0.0334	
N-nitroso-di-n-propylamine	0.372	0.211	0.039	
1,2,4-Trichlorobenzene	0.774	0.211	0.013	
4-Chloro-3-methylphenol	0.994	0.211	0.0258	
Acenaphthene	0.853	0.0211	0.00359	
4-Nitrophenol	0.255	1.06	0.125	J
2,4-Dinitrotoluene	0.522	0.211	0.0607	
Pentachlorophenol	0.252	0.211	0.211	
Pyrene	0.825	0.0211	0.00307	

000069

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA05GW - msd
Lab ID:	124993D11
Date Received:	11/19/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	1.76	X9	2	120
Phenol - d5	6.33		1	102
Nitrobenzene - d5	76.2		34	146
2 - Fluorobiphenyl	74.9		35	143
2,4,6 - Tribromophenol	3.21	X9	29	151
p - Terphenyl - d14	70.6		35	166

		Result			
Analyte		**(ug/L)**	**RL**	**MDL**	**Flags**
Phenol		0.0905	0.189	0.00435	J
2-Chlorophenol		0.0921	0.189	0.0398	J
1,4-Dichlorobenzene		0.599	0.189	0.0299	
N-nitroso-di-n-propylamine		0.723	0.189	0.0349	
1,2,4-Trichlorobenzene		0.765	0.189	0.0116	
4-Chloro-3-methylphenol		0.272	0.189	0.0231	
Acenaphthene		0.747	0.0189	0.00321	
4-Nitrophenol	ND		0.945	0.112	
2,4-Dinitrotoluene		0.682	0.189	0.0543	
Pentachlorophenol	ND		0.189	0.189	
Pyrene		0.711	0.0189	0.00274	

000170

STL Seattle

Lab ID:	Method Blank - SW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Dissolved Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	25.8		2	120
Phenol - d5	13.8		1	102
Nitrobenzene - d5	64.2		34	146
2 - Fluorobiphenyl	63.1		35	143
2,4,6 - Tribromophenol	41.2		29	151
p - Terphenyl - d14	47.2		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	

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STL Seattle

Dissolved Semivolatile Organics by USEPA Method 8270 data for SW1034 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	ND		0.2	0.0372
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

000072

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SW1034
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
QC Batch ID:	SW1034

Dissolved 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	0.467	31.1	0.468	31.2	0.32	
2-Chlorophenol	0	1.5	0.999	66.6	0.9	60	-10	
1,4-Dichlorobenzene	0	1	0.736	73.6	0.672	67.2	-9.1	
N-nitroso-di-n-propylamine	0	1	0.743	74.3	0.805	80.5	8	
1,2,4-Trichlorobenzene	0	1	0.765	76.5	0.786	78.6	2.7	
4-Chloro-3-methylphenol	0	1.5	1.14	76.1	1.31	87.2	14	
Acenaphthene	0	1	0.71	71	0.831	83.1	16	
4-Nitrophenol	0	1.5	0.671	44.7	0.783	52.2	15	
2,4-Dinitrotoluene	0	1	0.77	77	0.719	71.9	-6.9	
Pentachlorophenol	0	1.5	0.579	38.6	0.471	31.4	-21	
Pyrene	0	1	0.716	71.6	0.795	79.5	10	

000073

STL Seattle

Lab ID:	Blank Spike - SSW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Dissolved Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	41.4		2	120
Phenol - d5	30.7		1	102
Nitrobenzene - d5	66.3		34	146
2 - Fluorobiphenyl	76.9		35	143
2,4,6 - Tribromophenol	67.5		29	151
p - Terphenyl - d14	85.9		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.467	0.2	0.0046	
2-Chlorophenol	0.999	0.2	0.0421	
1,4-Dichlorobenzene	0.736	0.2	0.0316	
N-nitroso-di-n-propylamine	0.743	0.2	0.0369	
1,2,4-Trichlorobenzene	0.765	0.2	0.0123	
4-Chloro-3-methylphenol	1.14	0.2	0.0244	
Acenaphthene	0.71	0.02	0.0034	
4-Nitrophenol	0.671	1	0.118	J
2,4-Dinitrotoluene	0.77	0.2	0.0574	
Pentachlorophenol	0.579	0.2	0.2	
Pyrene	0.716	0.02	0.0029	

00074

STL Seattle

Lab ID:	Blank Spike Duplicate - DSW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Dissolved Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	40.3		2	120
Phenol - d5	29.7		1	102
Nitrobenzene - d5	74.4		34	146
2 - Fluorobiphenyl	84.1		35	143
2,4,6 - Tribromophenol	68.9		29	151
p - Terphenyl - d14	87		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.468	0.2	0.0046	
2-Chlorophenol	0.9	0.2	0.0421	
1,4-Dichlorobenzene	0.672	0.2	0.0316	
N-nitroso-di-n-propylamine	0.805	0.2	0.0369	
1,2,4-Trichlorobenzene	0.786	0.2	0.0123	
4-Chloro-3-methylphenol	1.31	0.2	0.0244	
Acenaphthene	0.831	0.02	0.0034	
4-Nitrophenol	0.783	1	0.118	J
2,4-Dinitrotoluene	0.719	0.2	0.0574	
Pentachlorophenol	0.471	0.2	0.2	
Pyrene	0.795	0.02	0.0029	

00075

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
QC Batch ID:	SW1034

Dissolved 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	0.01	1.52	0.013	0.201	0.131	8.57	190	X7
2-Chlorophenol	0	1.52	0.0852	5.62	0.162	11.4	68	X7
1,4-Dichlorobenzene	0	1.01	0.676	66.9	0.707	74.9	11	
N-nitroso-di-n-propylamine	0	1.01	0.699	69.2	0.945	100	36	
1,2,4-Trichlorobenzene	0	1.01	0.717	70.9	0.715	75.7	6.5	
4-Chloro-3-methylphenol	0	1.52	0.565	37.3	0.379	26.7	-33	X7
Acenaphthene	0	1.01	0.894	88.4	0.796	84.3	-4.7	
4-Nitrophenol	0	1.52	0.0622	4.1	0.0616	4.35	5.9	
2,4-Dinitrotoluene	0	1.01	0.893	88.3	0.766	81.2	-8.4	
Pentachlorophenol	0	1.52	0	0	0	0	0	X7
Pyrene	0	1.01	0.874	86.4	0.759	80.4	-7.2	

000076

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA05GW - ms
Lab ID:	124993S11
Date Received:	11/19/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Dissolved Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	4.43		2	120
Phenol - d5	0.931	X9	1	102
Nitrobenzene - d5	69.7		34	146
2 - Fluorobiphenyl	84.9		35	143
2,4,6 - Tribromophenol	16.5	X9	29	151
p - Terphenyl - d14	93.8		35	166

		Result			
Analyte		**(ug/L)**	**RL**	**MDL**	**Flags**
Phenol		0.013	0.202	0.00465	J
2-Chlorophenol		0.0852	0.202	0.0426	J
1,4-Dichlorobenzene		0.676	0.202	0.032	
N-nitroso-di-n-propylamine		0.699	0.202	0.0373	
1,2,4-Trichlorobenzene		0.717	0.202	0.0124	
4-Chloro-3-methylphenol		0.565	0.202	0.0247	
Acenaphthene		0.894	0.0202	0.00344	
4-Nitrophenol	ND		1.01	0.119	
2,4-Dinitrotoluene		0.893	0.202	0.058	
Pentachlorophenol	ND		0.202	0.202	
Pyrene		0.874	0.0202	0.00293	

000077

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA05GW - msd
Lab ID:	124993D11
Date Received:	11/19/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Dissolved Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	2.18		2	120
Phenol - d5	8.61		1	102
Nitrobenzene - d5	81.8		34	146
2 - Fluorobiphenyl	81.4		35	143
2,4,6 - Tribromophenol	1.69	X9	29	151
p - Terphenyl - d14	85.9		35	166

		Result			
Analyte		**(ug/L)**	**RL**	**MDL**	**Flags**
Phenol		0.131	0.189	0.00434	J
2-Chlorophenol		0.162	0.189	0.0398	J
1,4-Dichlorobenzene		0.707	0.189	0.0298	
N-nitroso-di-n-propylamine		0.945	0.189	0.0348	
1,2,4-Trichlorobenzene		0.715	0.189	0.0116	
4-Chloro-3-methylphenol		0.379	0.189	0.023	
Acenaphthene		0.796	0.0189	0.00321	
4-Nitrophenol	ND		0.944	0.111	
2,4-Dinitrotoluene		0.766	0.189	0.0542	
Pentachlorophenol	ND		0.189	0.189	
Pyrene		0.759	0.0189	0.00274	

000178

STL Seattle

Lab ID:	Method Blank - WTN0192
Date Received:	-
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	139		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	

000079

STL Seattle

Lab ID:	Method Blank - STN0118
Date Received:	-
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
% Solids	
Dilution Factor	20

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

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	144		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	

000080

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	WTN0192
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
QC Batch ID:	WTN0192

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	0.138	69.2	0.13	65	-6.3	
Tributyltin	0	0.178	0.182	102	0.165	92.4	-9.9	
Dibutyltin	0	0.153	0.139	90.4	0.122	79.7	-13	
Monobutyltin	0	0.125	0.102	82.2	0.0929	74.5	-9.8	

000081

STL Seattle

Lab ID:	Blank Spike - SWTN0192
Date Received:	-
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tripentyltin	154		46	173

Analyte	Result (ug/L)	RL	MDL	Flags
Tetrabutyltin	0.138	0.002	0.000606	
Tributyltin	0.182	0.0014	0.000447	
Dibutyltin	0.139	0.0008	0.000233	
Monobutyltin	0.102	0.0004	0.000115	

000082

STL Seattle

Lab ID:	Blank Spike Duplicate - DWTN0192
Date Received:	-
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	136		46	173

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Tetrabutyltin	0.13	0.002	0.000606	
Tributyltin	0.165	0.0014	0.000447	
Dibutyltin	0.122	0.0008	0.000233	
Monobutyltin	0.0929	0.0004	0.000115	

00083

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	STN0118
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
QC Batch ID:	STN0118

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	92.4	69.3	84.9	63.7	-8.4	
Tributyltin	0	119	118	99.5	103	86.7	-14	
Dibutyltin	0	102	94.3	92.3	81.5	79.8	-15	
Monobutyltin	0	83.1	66.8	80.3	56.8	68.3	-16	

000084

STL Seattle

Client Name	0
Client ID:	
Lab ID:	SSTN0118
Date Received:	-
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
% Solids	
Dilution Factor	20

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

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	150		42	192

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	92.4	2	0.751	
Tributyltin	118	2.67	0.923	
Dibutyltin	94.3	2	0.731	
Monobutyltin	66.8	1.33	0.521	

000085

STL Seattle

Client Name	0
Client ID:	
Lab ID:	DSTN0118
Date Received:	-
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
% Solids	
Dilution Factor	20

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

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	124		42	192

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	84.9	2	0.751	
Tributyltin	103	2.67	0.923	
Dibutyltin	81.5	2	0.731	
Monobutyltin	56.8	1.33	0.521	

000086

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
QC Batch ID:	WTN0192

Organotins by GC/MS (PSEP) Protocol

Compound Name	Sample Result (ug/L)	Spike Amount (ug/L)	MS Result (ug/L)	MS % Rec.	MSD Result (ug/L)	MSD % Rec.	RPD	Flag
Tetrabutyltin	0	0.216	0.11	51	0.0989	49.8	-2.4	
Tributyltin	0.0044	0.193	0.167	84.6	0.15	82.4	-2.6	
Dibutyltin	0	0.166	0.139	84.2	0.118	77.6	-8.2	
Monobutyltin	0.0052	0.135	0.0735	50.7	0.0671	50	-1.4	

000087

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA05GW - ms
Lab ID:	124993S11
Date Received:	11/19/2004
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	135		46	173

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Tetrabutyltin	0.11	0.00216	0.000655	
Tributyltin	0.167	0.00151	0.000484	
Dibutyltin	0.139	0.000865	0.000252	
Monobutyltin	0.0735	0.000432	0.000125	

88000

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA05GW - msd
Lab ID:	124993D11
Date Received:	11/19/2004
Date Prepared:	11/23/2004
Date Analyzed:	11/24/2004
% Solids	-
Dilution Factor	2

Organotins by GC/MS (PSEP) Protocol

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	128		46	173

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Tetrabutyltin	0.0989	0.00199	0.000601	
Tributyltin	0.15	0.00139	0.000444	
Dibutyltin	0.118	0.000794	0.000231	
Monobutyltin	0.0671	0.000397	0.000115	

68000

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041116SGA02SS
Lab ID:	124945-03
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
QC Batch ID:	STN0118

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	157	114	72.4	101	66.1	-9.1	
Tributyltin	0	140	163	117	137	100	-16	X7
Dibutyltin	5.7	120	131	105	110	89.4	-16	
Monobutyltin	11	97.9	57.4	47.4	48.4	39.2	-19	

060000

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA02SS - ms
Lab ID:	124945S03
Date Received:	11/18/2004
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
% Solids	84.94
Dilution Factor	20

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

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	169		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	114	2.35	0.884	
Tributyltin	163	3.14	1.09	
Dibutyltin	131	2.35	0.861	
Monobutyltin	57.4	1.57	0.613	

000091

STL Seattle

Client Name	URS Corporation
Client ID:	041116SGA02SS - msd
Lab ID:	124945D03
Date Received:	11/18/2004
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
% Solids	84.94
Dilution Factor	20

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

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tripentyltin	153		42	192

Sample results are on a dry weight basis.

Analyte	**Result (ug/kg)**	**PQL**	**MRL**	**Flags**
Tetrabutyltin	101	2.29	0.859	
Tributyltin	137	3.05	1.06	
Dibutyltin	110	2.29	0.837	
Monobutyltin	48.4	1.53	0.596	

000092

STL Seattle

Lab ID:	Method Blank - PE1795
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
% Solids	
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	75.5		47	144
Decachlorobiphenyl	88.9		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	

000093

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	PE1795
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
QC Batch ID:	PE1795

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	17.6	87.9	18.5	92.4	5	
alpha-BHC	0	20	17.1	85.5	18	90.2	5.4	
beta-BHC	0	20	16.9	84.3	17.7	88.7	5.1	
delta-BHC	0	20	16.5	82.5	18	89.9	8.6	
gamma-BHC (Lindane)	0	20	17.2	85.8	18.2	90.8	5.7	
4,4'-DDD	0	20	18.2	91.2	19.3	96.4	5.5	
4,4'-DDE	0	20	16.7	83.6	17.8	89.1	6.4	
4,4'-DDT	0	20	18.5	92.3	20.1	101	9	
Dieldrin	0	20	18.6	93.2	19.8	99.2	6.2	
Endosulfan I	0	20	16.7	83.7	17.7	88.7	5.8	
Endosulfan II	0	20	17.4	86.9	18.5	92.3	6	
Endosulfan sulfate	0	20	15.8	78.9	17.4	87.1	9.9	
Endrin	0	20	17	85	18.5	92.3	8.2	
Endrin aldehyde	0	20	15.3	76.6	16.9	84.3	9.6	
Heptachlor	0	20	17.2	85.8	18.2	90.8	5.7	
Heptachlor epoxide	0	20	16.7	83.4	17.7	88.3	5.7	
Methoxychlor	0	20	18.6	93	20.2	101	8.2	
Endrin ketone	0	20	16.6	82.8	18.1	90.3	8.7	
alpha-Chlordane	0	20	16.1	80.7	17.2	86	6.4	
gamma-Chlordane	0	20	16.9	84.6	17.9	89.7	5.9	

000094

STL Seattle

Lab ID:	Blank Spike - SPE1795
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
% Solids	
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

Surrogate	% Recovery	Flags	Recovery Limits Low	Recovery Limits High
Tetrachloro-m-xylene	76.6		47	144
Decachlorobiphenyl	87.9		51	149

Sample results are on an as received basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Aldrin	17.6	1	0.103	C1
alpha-BHC	17.1	1	0.1	C1
beta-BHC	16.9	1	0.111	C1
delta-BHC	16.5	1	0.1	C1
gamma-BHC (Lindane)	17.2	1	0.12	C1
4,4'-DDD	18.2	2	0.204	C1
4,4'-DDE	16.7	2	0.2	C1
4,4'-DDT	18.5	2	0.235	C1
Dieldrin	18.6	2	0.243	C1
Endosulfan I	16.7	1	0.112	C1
Endosulfan II	17.4	2	0.255	C1
Endosulfan sulfate	15.8	2	0.478	C1
Endrin	17	2	0.125	C1
Endrin aldehyde	15.3	2	0.58	C1
Heptachlor	17.2	1	0.1	C1
Heptachlor epoxide	16.7	1	0.137	C1
Methoxychlor	18.6	10	0.144	C1
Endrin ketone	16.6	2	0.112	C1
alpha-Chlordane	16.1	1	0.108	C1
gamma-Chlordane	16.9	1	0.121	C1

000095

STL Seattle

Lab ID:	Blank Spike Duplicate - DPE1795
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
% Solids	
Dilution Factor	1

Organochlorine Pesticides by EPA Method 8081A

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	90.8		47	144
Decachlorobiphenyl	107		51	149

Sample results are on an as received basis.

Analyte	**Result (ug/kg)**	**RL**	**MDL**	**Flags**
Aldrin	18.5	1	0.103	C1
alpha-BHC	18	1	0.1	C1
beta-BHC	17.7	1	0.111	C1
delta-BHC	18	1	0.1	C1
gamma-BHC (Lindane)	18.2	1	0.12	C1
4,4'-DDD	19.3	2	0.204	C1
4,4'-DDE	17.8	2	0.2	C1
4,4'-DDT	20.1	2	0.235	C1
Dieldrin	19.8	2	0.243	C1
Endosulfan I	17.7	1	0.112	C1
Endosulfan II	18.5	2	0.255	C1
Endosulfan sulfate	17.4	2	0.478	C1
Endrin	18.5	2	0.125	C1
Endrin aldehyde	16.9	2	0.58	C1
Heptachlor	18.2	1	0.1	C1
Heptachlor epoxide	17.7	1	0.137	C1
Methoxychlor	20.2	10	0.144	C1
Endrin ketone	18.1	2	0.112	C1
alpha-Chlordane	17.2	1	0.108	C1
gamma-Chlordane	17.9	1	0.121	C1

960000

STL Seattle

Lab ID:	Method Blank - PBW0302
Date Received:	-
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	100		32	134
Decachlorobiphenyl	137	N	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	

00097

STL Seattle

Lab ID:	Method Blank - PB0854
Date Received:	-
Date Prepared:	11/23/2004
Date Analyzed:	12/2/2004
% Solids	
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	97.5		60	123
Decachlorobiphenyl	127	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	

86000

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	PBW0302
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
QC Batch ID:	PBW0302

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	0.108	108	0.105	105	-2.8	
Aroclor 1260	0	0.1	0.118	118	0.115	115	-2.6	

66000

STL Seattle

Lab ID:	Blank Spike - SPBW0302
Date Received:	-
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	95.6		32	134
Decachlorobiphenyl	139	N	55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.108	0.01	0.00219	C1
Aroclor 1260	0.118	0.01	0.00241	C1

00100

STL Seattle

Lab ID:	Blank Spike Duplicate - DPBW0302
Date Received:	-
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	93.3		32	134
Decachlorobiphenyl	137	N	55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.105	0.01	0.00219	C1
Aroclor 1260	0.115	0.01	0.00241	C1

00101

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	PB0854
Date Prepared:	11/23/2004
Date Analyzed:	12/2/2004
QC Batch ID:	PB0854

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	0.114	114	0.113	113	-0.88	
Aroclor 1260	0	0.1	0.119	119	0.117	117	-1.7	

00102

STL Seattle

Lab ID:	Blank Spike - SPB0854
Date Received:	-
Date Prepared:	11/23/2004
Date Analyzed:	12/2/2004
% Solids	
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	100		60	123
Decachlorobiphenyl	132	N	65	126

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.114	0.01	0.00295	C1
Aroclor 1260	0.119	0.01	0.00162	C1

00103

STL Seattle

Lab ID:	Blank Spike Duplicate - DPB0854
Date Received:	-
Date Prepared:	11/23/2004
Date Analyzed:	12/2/2004
% Solids	
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	100		60	123
Decachlorobiphenyl	131	N	65	126

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.113	0.01	0.00295	C1
Aroclor 1260	0.117	0.01	0.00162	C1

00104

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
QC Batch ID:	PBW0302

PCBs by EPA Method 8082

Compound Name	Sample Result (ug/L)	Spike Amount (ug/L)	MS Result (ug/L)	MS % Rec.	MSD Result (ug/L)	MSD % Rec.	RPD	Flag
Aroclor 1242	0	0.106	0.112	106	0.0947	93.1	-13	
Aroclor 1260	0	0.106	0.123	116	0.104	102	-13	

00105

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA05GW - ms
Lab ID:	124993S11
Date Received:	11/19/2004
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	94.4		32	134
Decachlorobiphenyl	132	N	55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.112	0.0106	0.00231	C1
Aroclor 1260	0.123	0.0106	0.00254	C1

00106

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA05GW - msd
Lab ID:	124993D11
Date Received:	11/19/2004
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	96.3		32	134
Decachlorobiphenyl	135	N	55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.0947	0.0102	0.00223	C1
Aroclor 1260	0.104	0.0102	0.00245	C1

00107

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041119SGA10GW
Lab ID:	125010-02
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
QC Batch ID:	PBW0302

PCBs by EPA Method 8082

Compound Name	Sample Result (ug/L)	Spike Amount (ug/L)	MS Result (ug/L)	MS % Rec.	MSD Result (ug/L)	MSD % Rec.	RPD	Flag
Aroclor 1242	0	0.124	0.155	125	0.149	121	-3.3	
Aroclor 1260	0	0.124	0.151	122	0.149	121	-0.82	

00108

STL Seattle

Client Name:	URS Corporation
Client ID:	041119SGA10GW - ms
Lab ID:	125010S02
Date Received:	11/20/2004
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	94.1		32	134
Decachlorobiphenyl	140	N	55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.155	0.0124	0.00272	C1
Aroclor 1260	0.151	0.0124	0.00299	C1

60100

STL Seattle

Client Name:	URS Corporation
Client ID:	041119SGA10GW - msd
Lab ID:	125010D02
Date Received:	11/20/2004
Date Prepared:	11/22/2004
Date Analyzed:	12/2/2004
% Solids	-
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	86.8		32	134
Decachlorobiphenyl	143	N	55	128

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.149	0.0123	0.0027	C1
Aroclor 1260	0.149	0.0123	0.00297	C1

00110

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041117SGA09SS
Lab ID:	124993-07
Date Prepared:	11/23/2004
Date Analyzed:	12/2/2004
QC Batch ID:	PB0854

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	0.0963	0.106	110	0.102	107	-2.8	
Aroclor 1260	0	0.0963	0.113	117	0.111	117	0	

00111

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA09SS - ms
Lab ID:	124993S07
Date Received:	11/19/2004
Date Prepared:	11/23/2004
Date Analyzed:	12/2/2004
% Solids	80.46
Dilution Factor	1

PCBs by EPA Method 8082

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Tetrachloro-m-xylene	98.5		60	123
Decachlorobiphenyl	130	N	65	126

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Aroclor 1242	0.106	0.00963	0.00284	C1
Aroclor 1260	0.113	0.00963	0.00156	C1

00112

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA09SS - msd
Lab ID:	124993D07
Date Received:	11/19/2004
Date Prepared:	11/23/2004
Date Analyzed:	12/2/2004
% Solids	80.46
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	0.102	0.00953	0.00281	C1
Aroclor 1260	0.111	0.00953	0.00154	C1

00113

STL Seattle

Lab ID:	Method Blank - GB4028
Date Received:	-
Date Prepared:	11/30/04
Date Analyzed:	11/30/04
% 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	108		50	150
Bromofluorobenzene	108		50	150
Pentafluorobenzene	83.5		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	0.8	4	0.114	J

00114

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	GB4028
Date Prepared:	11/30/04
Date Analyzed:	11/30/04
QC Batch ID:	GB4028

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	0.8	50	50.7	99.8	52	102	2.2	

00115

STL Seattle

Lab ID:	Blank Spike - SGB4028
Date Received:	-
Date Prepared:	11/30/04
Date Analyzed:	11/30/04
% Solids	
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	110		50	150
1-Chloro-3-fluorobenzene	112		50	150
Bromofluorobenzene	111		50	150
Pentafluorobenzene	105		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	50.7	4	0.114	B2

00116

STL Seattle

Lab ID:	Blank Spike Duplicate - DGB4028
Date Received:	-
Date Prepared:	11/30/04
Date Analyzed:	11/30/04
% Solids	
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	111		50	150
1-Chloro-3-fluorobenzene	114		50	150
Bromofluorobenzene	113		50	150
Pentafluorobenzene	107		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	52	4	0.114	B2

00117

STL Seattle

Duplicate Report

Client Sample ID:	041116SGA02SS
Lab ID:	124945-03
Date Prepared:	11/30/04
Date Analyzed:	11/30/04
QC Batch ID:	GB4028

Gasoline Range Organics by Method NWTPH-Gx

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Gasoline by NWTPH-G	2.26	1.18	63.0	x4a

00118

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA02SS - dup
Lab ID:	124945R03
Date Received:	-
Date Prepared:	11/30/04
Date Analyzed:	11/30/04
% Solids	84.94
Dilution Factor	1

Gasoline Range Organics by Method NWTPH-Gx

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Trifluorotoluene	96.7		50	150
1-Chloro-3-fluorobenzene	110		50	150
Bromofluorobenzene	109		50	150
Pentafluorobenzene	85		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
Gasoline by NWTPH-G	1.18	4.57	0.13	J B1

00119

STL Seattle

Lab ID:	Method Blank - DS1347
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
% Solids	
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
o-terphenyl	95.8		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	

00120

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	DS1347
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
QC Batch ID:	DS1347

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	574	115	472	94.4	-20	N
Motor Oil	0	500	556	111	442	88.3	-23	N

00121

STL Seattle

Lab ID:	Blank Spike - SDS1347
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
% Solids	
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
o-terphenyl	114		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
#2 Diesel	574	25	4.78	
Motor Oil	556	50	9.53	

00122

STL Seattle

Lab ID:	Blank Spike Duplicate - DDS1347
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
% Solids	
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
o-terphenyl	94.2		50	150

Sample results are on an as received basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
#2 Diesel	472	25	4.78	
Motor Oil	442	50	9.53	

00123

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041116SGA02SS
Lab ID:	124945-03
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
QC Batch ID:	DS1347

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	568	639	112	556	104	-7.4	
Motor Oil	0	568	660	116	570	106	-9	

001124

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA02SS - ms
Lab ID:	124945S03
Date Received:	11/18/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
% Solids	84.94
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
o-terphenyl	75.4		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
#2 Diesel	639	28.4	5.43	
Motor Oil	660	56.8	10.8	

00125

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA02SS - msd
Lab ID:	124945D03
Date Received:	11/18/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/19/2004
% Solids	84.94
Dilution Factor	1

Diesel and Motor Oil by NWTPH-Dx Modified

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
o-terphenyl	77		50	150

Sample results are on a dry weight basis.

Analyte	**Result (mg/kg)**	**RL**	**MDL**	**Flags**
#2 Diesel	556	26.8	5.12	
Motor Oil	570	53.5	10.2	

00126

STL Seattle

Lab ID:	Method Blank - SP751
Date Received:	-
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
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	1.61	10	0.588	J
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	ND	100	11.8	
Vanadium	ND	1	0.0238	

00127

STL Seattle

Lab ID:	Method Blank - SP751
Date Received:	-
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
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	ND		0.05	0.00245	
Beryllium	ND		0.05	0.00782	
Cadmium	ND		0.05	0.00247	
Chromium		0.0142	0.05	0.00595	J
Copper		0.0078	0.05	0.00625	J
Lead		0.0113	0.05	0.0024	J
Manganese		0.0326	0.05	0.00239	J
Selenium	ND		0.05	0.0149	
Silver	ND		0.05	0.00188	
Thallium	ND		0.05	0.00292	
Zinc		0.542	1	0.0108	J

00128

STL Seattle

Matrix Spike Report

Client Sample ID:	041116SGA02SS
Lab ID:	124945-03
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	SP751

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Aluminum	10200	395	10900	195	
Calcium	5700	1980	8020	117	
Cobalt	13.5	98.8	106	94	
Iron	23700	4350	28000	98	
Magnesium	5770	1980	8000	113	
Nickel	17.4	98.8	110	94	
Potassium	544	1980	2580	103	
Sodium	0	1980	1970	100	
Vanadium	54.3	98.8	149	96	

001129

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SP751
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	SP751

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
Chromium	0.014	40	43.6	109	42.7	107	-1.9	

001130

STL Seattle

Matrix Spike Report

Client Sample ID:	041116SGA02SS
Lab ID:	124945-03
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	SP751

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	7.28	379	460	119	
Antimony	0.256	284	300	106	
Barium	77.7	379	478	106	
Beryllium	0.454	9.47	10.4	105	
Cadmium	0	9.47	8.57	91	
Chromium	19	37.9	88.7	184	X7
Copper	47.4	47.3	96.2	103	
Lead	6.23	94.7	106	106	
Manganese	423	94.7	515	98	
Selenium	0.407	379	364	96	
Silver	0.136	56.8	61.8	109	
Thallium	0.13	379	388	102	
Zinc	46.3	94.7	157	116	

00131

STL Seattle

Duplicate Report

Client Sample ID:	041116SGA02SS
Lab ID:	124945-03
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	SP751

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Aluminum	10000	9700	3.0	
Calcium	5700	5800	-1.7	
Cobalt	14	17	-19.0	
Iron	24000	25000	-4.1	
Magnesium	5800	7000	-19.0	
Nickel	17	18	-5.7	
Potassium	540	580	-7.1	
Sodium	0	0	NC	
Vanadium	54	57	-5.4	

001132

STL Seattle

Duplicate Report

Client Sample ID:	041116SGA02SS
Lab ID:	124945-03
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	SP751

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Arsenic	7.3	7.3	0.0	
Antimony	0.26	0.25	3.9	
Barium	78	79	-1.3	
Beryllium	0.45	0.42	6.9	
Cadmium	0	0	NC	
Chromium	19	19	0.0	
Copper	47	47	0.0	
Lead	6.2	6.3	-1.6	
Manganese	420	430	-2.4	
Selenium	0.41	0.38	7.6	
Silver	0.14	0.16	-13.0	
Thallium	0.13	0.13	0.0	
Zinc	46	48	-4.3	

001133

STL Seattle

Laboratory Control Sample

Lab ID:	RSP751
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	SP751

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	4100	5710	2140	8640	Pass
Calcium	3200	3240	2420	4060	Pass
Cobalt	150	132	98.9	165	Pass
Iron	9500	11300	5280	17400	Pass
Magnesium	1600	1900	1240	2560	Pass
Nickel	140	122	98.4	146	Pass
Potassium	1700	1790	1240	2340	Pass
Sodium	350	465	318	611	Pass
Vanadium	120	125	91.7	158	Pass

001134

STL Seattle

Laboratory Control Sample

Lab ID:	RSP751
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	SP751

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	200	152	0	329	Pass
Barium	330	338	272	404	Pass
Beryllium	150	133	109	157	Pass
Cadmium	100	102	84.5	121	Pass
Chromium	170	171	135	206	Pass
Copper	120	112	90.4	134	Pass
Lead	100	104	81.8	126	Pass
Manganese	540	552	446	642	Pass
Selenium	160	169	111	227	Pass
Silver	87	78.6	0	165	Pass
Thallium	160	171	132	210	Pass
Zinc	190	194	155	233	Pass

001135

STL Seattle

Lab ID:	Method Blank - TP760
Date Received:	-
Date Prepared:	11/24/04
Date Analyzed:	11/24/04
Dilution Factor	1

Metals by ICP - USEPA Method 6010

Analyte		Result (mg/L)	RL	MDL	Flags
Aluminum		0.0104	0.1	0.00588	J
Calcium	ND		1	0.00868	
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	

001136

STL Seattle

Lab ID:	Method Blank - TP760
Date Received:	-
Date Prepared:	11/24/04
Date Analyzed:	11/29/04
Dilution Factor	1

Metals by ICP-MS - USEPA Method 6020

Analyte		Result (mg/L)	RL	MDL	Flags
Arsenic	ND		0.0005	0.000102	
Antimony		0.000034	0.0005	0.0000271	J
Barium		0.000029	0.0005	0.0000245	J
Beryllium	ND		0.0005	0.0000782	
Cadmium	ND		0.0005	0.0000247	
Chromium	ND		0.0005	0.0000595	
Copper		0.000098	0.0005	0.0000625	J
Lead		0.000051	0.0005	0.000024	J
Manganese		0.000534	0.0006	0.0000239	J
Selenium	ND		0.0005	0.000149	
Silver	ND		0.0001	0.0000188	
Thallium	ND		0.0005	0.0000292	
Zinc		0.00185	0.002	0.000108	J

00137

STL Seattle

Matrix Spike Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/24/04
Date Analyzed:	11/24/04
QC Batch ID:	TP760

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Aluminum	1.08	4	5.05	99	
Calcium	18.3	20	38.1	99	
Cobalt	0	1	0.993	99	
Iron	1.29	22	23.2	100	
Magnesium	5.13	20	24.7	98	
Nickel	0.00116	1	0.991	99	
Potassium	1.52	20	21.6	100	
Sodium	6.42	20	25.4	95	
Vanadium	0.0054	1	1.01	101	

001138

STL Seattle

Matrix Spike Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/24/04
Date Analyzed:	11/29/04
QC Batch ID:	TP760

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	0.00117	4	4.19	105	
Antimony	0.000586	3	2.99	100	
Barium	0.0117	4	4.08	102	
Beryllium	0	0.1	0.0925	93	
Cadmium	0	0.1	0.103	103	
Chromium	0.00808	0.4	0.381	93	
Copper	0.0038	0.5	0.535	106	
Lead	0.000652	1	1.12	112	
Manganese	0.0227	1	1.11	109	
Selenium	0.000895	4	4.35	109	
Silver	0.000028	0.6	0.594	99	
Thallium	0	4	4.16	104	
Zinc	0.00688	1	1.14	113	

001379

STL Seattle

Duplicate Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/24/04
Date Analyzed:	11/24/04
QC Batch ID:	TP760

Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Aluminum	1.1	0.98	12.0	
Calcium	18	19	-5.4	
Cobalt	0	0	NC	
Iron	1.3	1.3	0.0	
Magnesium	5.1	5.3	-3.8	
Nickel	0.0012	0.0012	0.0	
Potassium	1.5	1.5	0.0	
Sodium	6.4	5.9	8.1	
Vanadium	0.0054	0.0053	1.9	

00140

STL Seattle

Duplicate Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/24/04
Date Analyzed:	11/29/04
QC Batch ID:	TP760

Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Arsenic	0.0012	0.00051	81.0	X4a
Antimony	0.00059	0.00053	11.0	
Barium	0.012	0.011	8.7	
Beryllium	0	0	NC	
Cadmium	0	0	NC	
Chromium	0.0081	0.0078	3.8	
Copper	0.0038	0.0038	0.0	
Lead	0.00065	0.00045	36.0	X4a
Manganese	0.023	0.023	0.0	
Selenium	0.0009	0.00094	-4.3	
Silver	0.000028	0.000027	3.6	
Thallium	0	0	NC	
Zinc	0.0069	0.0076	-9.7	

00141

STL Seattle

Laboratory Control Sample

Lab ID:	RTP760
Date Prepared:	11/24/04
Date Analyzed:	11/24/04
QC Batch ID:	TP760

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	4	4	3.2	4.8	Pass
Calcium	19	20	16	24	Pass
Cobalt	1	1	0.8	1.2	Pass
Iron	22	22	17.6	26.4	Pass
Magnesium	19	20	16	24	Pass
Nickel	1	1	0.8	1.2	Pass
Potassium	20	20	16	24	Pass
Sodium	19	20	16	24	Pass
Vanadium	1	1	0.8	1.2	Pass

00142

STL Seattle

Laboratory Control Sample

Lab ID:	RTP760
Date Prepared:	11/24/04
Date Analyzed:	11/29/04
QC Batch ID:	TP760

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	3.9	4	3.2	4.8	Pass
Antimony	2.6	3	2.4	3.6	Pass
Barium	3.7	4	3.2	4.8	Pass
Beryllium	0.093	0.1	0.08	0.12	Pass
Cadmium	0.096	0.1	0.08	0.12	Pass
Chromium	0.35	0.4	0.32	0.48	Pass
Copper	0.48	0.5	0.4	0.6	Pass
Lead	1	1	0.8	1.2	Pass
Manganese	0.96	1	0.8	1.2	Pass
Selenium	4	4	3.2	4.8	Pass
Silver	0.53	0.6	0.48	0.72	Pass
Thallium	3.9	4	3.2	4.8	Pass
Zinc	1	1	0.8	1.2	Pass

00143

STL Seattle

Lab ID:	Method Blank - ZS197
Date Received:	-
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
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	

00144

STL Seattle

Matrix Spike Report

Client Sample ID:	041116SGA02SS
Lab ID:	124945-03
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	ZS197

Mercury by CVAA - USEPA Method 7471

Parameter Name	Sample Result (mg/kg)	Spike Amount (mg/kg)	MS Result (mg/kg)	MS % Rec.	Flag
Mercury	0.0362	0.224	0.246	93	

00145

STL Seattle

Duplicate Report

Client Sample ID:	041116SGA02SS
Lab ID:	124945-03
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	ZS197

Mercury by CVAA - USEPA Method 7471

Parameter Name	Sample Result (mg/kg)	Duplicate Result (mg/kg)	RPD %	Flag
Mercury	0.036	0.028	25.0	

00146

STL Seattle

Laboratory Control Sample

Lab ID:	RZS197
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	ZS197

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

00147

STL Seattle

Lab ID:	Method Blank - ZT201
Date Received:	-
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
Dilution Factor	1

Mercury by CVAA - USEPA Method 7470

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

00148

STL Seattle

Matrix Spike Report

Client Sample ID:	041116SGA01GW
Lab ID:	124945-01
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	ZT201

Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Mercury	0.000076	0.002	0.00195	94	

00149

STL Seattle

Duplicate Report

Client Sample ID:	041116SGA01GW
Lab ID:	124945-01
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	ZT201

Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Mercury	0.000076	0.000057	29.0	X4a

00150

STL Seattle

Laboratory Control Sample

Lab ID:	RZT201
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	ZT201

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

001151

STL Seattle

Lab ID:	Method Blank - DP761
Date Received:	-
Date Prepared:	11/24/04
Date Analyzed:	11/24/04
Dilution Factor	1

Dissolved Metals by ICP - USEPA Method 6010

Analyte	Result (mg/L)	RL	MDL	Flags
Aluminum	ND	0.1	0.00588	
Calcium	ND	1	0.00868	
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	

001552

STL Seattle

Lab ID:	Method Blank - DP761
Date Received:	-
Date Prepared:	11/24/04
Date Analyzed:	11/29/04
Dilution Factor	1

Dissolved 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	ND		0.0005	0.0000245	
Beryllium	ND		0.0005	0.0000782	
Cadmium	ND		0.0005	0.0000247	
Chromium	ND		0.0005	0.0000595	
Copper		0.000122	0.0005	0.0000625	J
Lead	ND		0.0005	0.000024	
Manganese		0.000054	0.0005	0.0000239	J
Selenium	ND		0.0005	0.000149	
Silver	ND		0.0001	0.0000188	
Thallium	ND		0.0005	0.0000292	
Zinc		0.000773	0.002	0.000108	J

00153

STL Seattle

Matrix Spike Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/24/04
Date Analyzed:	11/24/04
QC Batch ID:	DP761

Dissolved 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	4	3.66	92	
Calcium	18.5	20	34.4	79	
Cobalt	0	1	0.886	89	
Iron	0	22	19.9	90	
Magnesium	4.94	20	22.2	86	
Nickel	0	1	0.873	87	
Potassium	1.23	20	18.7	87	
Sodium	6.56	20	24.9	92	
Vanadium	0.00146	1	0.912	91	

00154

STL Seattle

Matrix Spike Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/24/04
Date Analyzed:	11/29/04
QC Batch ID:	DP761

Dissolved 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	0.00119	4	3.69	92	
Antimony	0.000253	3	2.58	86	
Barium	0.00591	4	3.62	90	
Beryllium	0	0.1	0.0967	97	
Cadmium	0	0.1	0.0934	93	
Chromium	0.000838	0.4	0.363	91	
Copper	0.000782	0.5	0.474	95	
Lead	0	1	0.979	98	
Manganese	0.00463	1	0.943	94	
Selenium	0.000235	4	3.65	91	
Silver	0.000034	0.6	0.533	89	
Thallium	0	4	3.72	93	
Zinc	0.000879	1	0.993	99	

00155

STL Seattle

Duplicate Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/24/04
Date Analyzed:	11/24/04
QC Batch ID:	DP761

Dissolved Metals by ICP - USEPA Method 6010

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Aluminum	0	0	NC	
Calcium	19	18	5.4	
Cobalt	0	0	NC	
Iron	0	0	NC	
Magnesium	4.9	4.8	2.1	
Nickel	0	0	NC	
Potassium	1.2	1.2	0.0	
Sodium	6.6	6.4	3.1	
Vanadium	0.0015	0.0014	6.9	

001156

STL Seattle

Duplicate Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11
Date Prepared:	11/24/04
Date Analyzed:	11/29/04
QC Batch ID:	DP761

Dissolved Metals by ICP-MS - USEPA Method 6020

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Arsenic	0.0012	0.0013	-8.0	
Antimony	0.00025	0.00026	-3.9	
Barium	0.0059	0.0058	1.7	
Beryllium	0	0	NC	
Cadmium	0	0	NC	
Chromium	0.00084	0.00097	-14.0	
Copper	0.00078	0.00085	-8.6	
Lead	0	0	NC	
Manganese	0.0046	0.0048	-4.3	
Selenium	0.00024	0.00041	-52.0	X4a
Silver	0.000034	0.000032	6.1	
Thallium	0	0	NC	
Zinc	0.00088	0.0011	-22.0	X4a

001557

STL Seattle

Laboratory Control Sample

Lab ID:	RDP761
Date Prepared:	11/24/04
Date Analyzed:	11/24/04
QC Batch ID:	DP761

Dissolved 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	3.7	4	3.2	4.8	Pass
Calcium	18	20	16	24	Pass
Cobalt	0.92	1	0.8	1.2	Pass
Iron	21	22	17.6	26.4	Pass
Magnesium	18	20	16	24	Pass
Nickel	0.91	1	0.8	1.2	Pass
Potassium	18	20	16	24	Pass
Sodium	19	20	16	24	Pass
Vanadium	0.93	1	0.8	1.2	Pass

00158

STL Seattle

Laboratory Control Sample

Lab ID:	RDP761
Date Prepared:	11/24/04
Date Analyzed:	11/29/04
QC Batch ID:	DP761

Dissolved 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	3.8	4	3.2	4.8	Pass
Antimony	2.7	3	2.4	3.6	Pass
Barium	3.7	4	3.2	4.8	Pass
Beryllium	0.095	0.1	0.08	0.12	Pass
Cadmium	0.097	0.1	0.08	0.12	Pass
Chromium	0.39	0.4	0.32	0.48	Pass
Copper	0.48	0.5	0.4	0.6	Pass
Lead	1	1	0.8	1.2	Pass
Manganese	0.97	1	0.8	1.2	Pass
Selenium	3.8	4	3.2	4.8	Pass
Silver	0.56	0.6	0.48	0.72	Pass
Thallium	3.8	4	3.2	4.8	Pass
Zinc	1	1	0.8	1.2	Pass

001559

STL Seattle

Lab ID:	Method Blank - ZD199
Date Received:	-
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
Dilution Factor	1

Dissolved Mercury by CVAA - USEPA Method 7470

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

00160

STL Seattle

Matrix Spike Report

Client Sample ID:	041116SGA01GW
Lab ID:	124945-01
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	ZD199

Dissolved Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Spike Amount (mg/L)	MS Result (mg/L)	MS % Rec.	Flag
Mercury	0.00006	0.002	0.00196	95	

00161

STL Seattle

Duplicate Report

Client Sample ID:	041116SGA01GW
Lab ID:	124945-01
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	ZD199

Dissolved Mercury by CVAA - USEPA Method 7470

Parameter Name	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD %	Flag
Mercury	0.00006	0.00022	-110.0	X4a

00162

STL Seattle

Laboratory Control Sample

Lab ID:	RZD199
Date Prepared:	11/22/04
Date Analyzed:	11/22/04
QC Batch ID:	ZD199

Dissolved 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

00163

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	

00164

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	

00165

DATA QUALIFIER DEFINITIONS

001166

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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 $\leq$ 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

00168

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (1200)

Client	Project Manager	Date	Chain of Custody Number
URS CORPORATION		11/17/04	070576
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
111 SW COLUMBIA, SUITE 1500		124715	
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
PORTLAND / OR / 97201	JENNIFER RAY	K. DOWNIE	
Project Name and Location (State)	**Carrier/Waybill Number**		
BRADFORD ISLAND, OREGON	FEDEX		
Contract/Purchase Order/Quote No			

Sample I.D. No. and 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): A SVOCs TCL	B SVOCs DSS	C VOCs	C TAL METALS	C TAL METALS (DISS)	E PCBs	F BTEX/THMs	G TSS	H TOC	PESTICIDES	NWTPH-Gx	NWTPH-Dx	Special Instructions/ Conditions of Receipt
041116SGA01GW	11-16-4	1030		X									X	X	X	X	X	X	X	X	X				
041116SGA01SS	11-16-4	1410				X							X		X	X		X	X		X	X	X	X	Hold EE 11/18/04
041116SGA02SS	11-16-4	1515				X							X		X	X		X	X		X	X	X	X	
Tr. P. Blnk #2718	11/16/04														X										
30544																									

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 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.		11-17-4	0730	KHooley	11/18/04	0900
2.						
3.						

Comments

69100

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

124945

Work Order 0

Date 11/17/2004 12:12:55 PM

Contact, Company, and Address

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

SAS Contact

Katie Downie

Work Phone (503) 222-7200 x

Fax Number (503) 222-4292

Items Discussed

For cooler shipped today, do not analyze sample SGA-01. Also, add TB to chain, analyze for VOCs.

Resolution

00170

Cooler ID No. _____ STL WORK ORDER NO. 124945

COOLER RECEIPT FORM

PROJECT Bradford Island, Oregon

COOLER RECEIVED ON 11/18 **AND OPENED ON** 11/18 **BY** (IR)

(SIGNATURE)

TEMPERATURE UPON RECEIPT: **COOLER** 0.2 **oC**
TEMP. BLANK N/A **oC**

1.	Were custody seals on outside of cooler and intact? a. If YES, how many and where: 1 Rt front / 1 Rt side b. Were signature and date correct?	(YES) NO (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 Pack	
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: _____

00171

DATA DELIVERABLES PACKAGE

00172

VOLATILE ORGANICS DATA PACKAGE

00173

SAMPLE DATA

00174

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19634.D Vial: 9
Acq On : 29 Nov 2004 4:30 pm Operator: crf
Sample : 124945-1 voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 17:06:39 2004 Quant Results File: 11232004_AQUEOUS_8260.RES

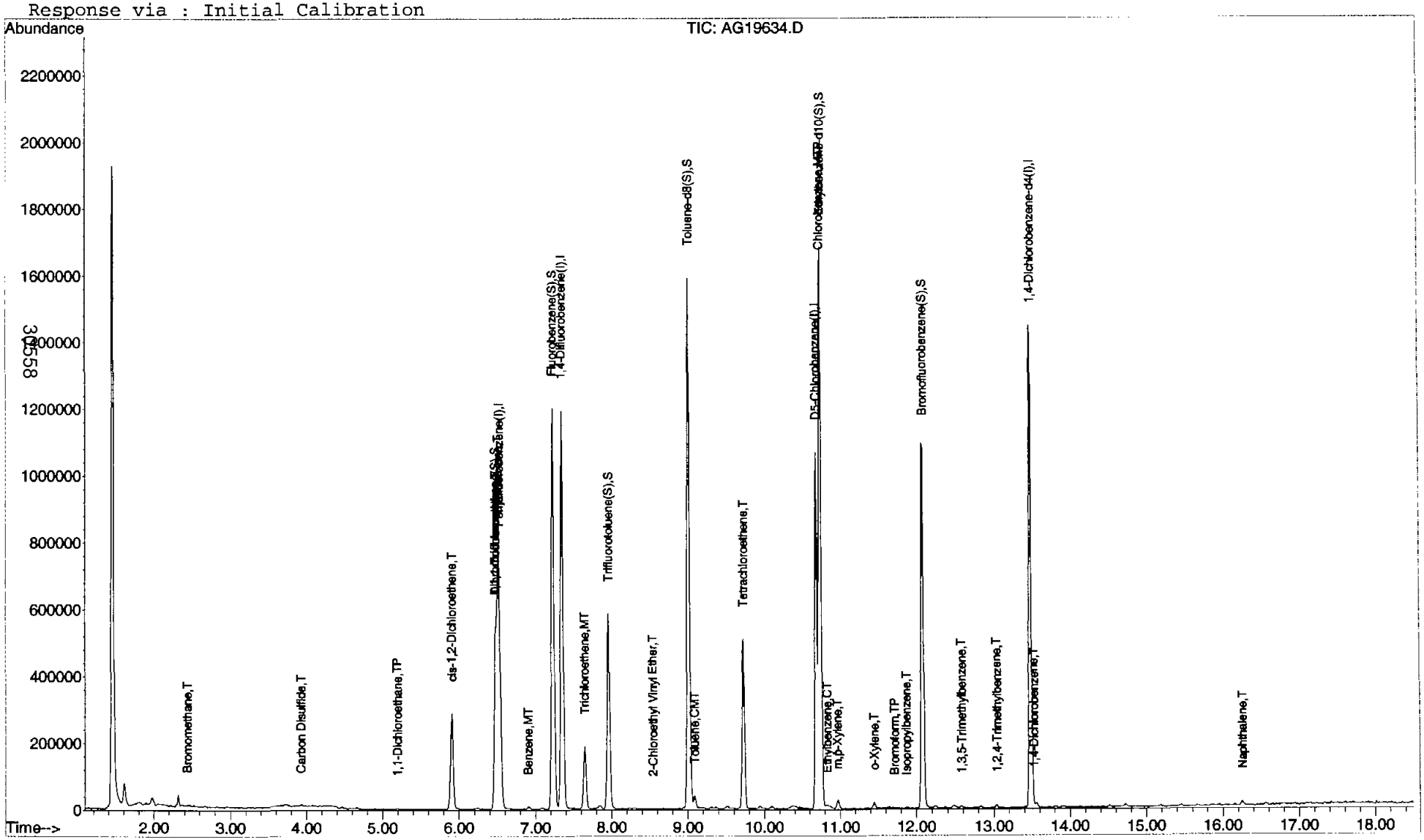
Quant Method : E:\METHODS\1...\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene(I)	6.53	168	885018	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1299644	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	252596	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	554788	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	369621	9.95	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 99.50%			
40) Fluorobenzene(S)	7.23	96	1446998	10.48	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 104.80%			
42) Trifluorotoluene(S)	7.96	146	352408	5.52	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 55.20%#			
53) Toluene-d8(S)	9.02	98	1369077	10.66	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 106.60%			
63) Ethylbenzene-d10(S)	10.74	98	1726758	11.11	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 111.10%#			
72) Bromofluorobenzene(S)	12.09	174	465374	10.00	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 100.00%			
Target Compounds						Qvalue
3) Chloromethane	1.87	50	2074	Below Cal		68
5) Bromomethane	2.44	94	1750	0.27	ug/L	93
12) Carbon Disulfide	3.93	76	7120	0.06	ug/L	98
21) 1,1-Dichloroethane	5.20	63	3388	0.06	ug/L	90
25) cis-1,2-Dichloroethene	5.91	96	150939	3.76	ug/L	96
31) 1,1,1-Trichloroethane	6.48	97	5361	0.10	ug/L #	44
32) Cyclohexane	6.51	56	14736	0.23	ug/L #	29
37) Benzene	6.90	78	8348	0.06	ug/L	93
43) Trichloroethene	7.65	130	82861	2.03	ug/L	98
50) 2-Chloroethyl Vinyl Ether	8.54	63	190	1.87	ug/L #	49
54) Toluene	9.09	91	34531	0.22	ug/L	99
57) Tetrachloroethene	9.73	164	167049	5.08	ug/L	92
64) Chlorobenzene	10.73	112	14436	0.13	ug/L #	1
66) Ethylbenzene	10.83	91	8131	0.05	ug/L	97
67) m,p-Xylene	10.96	106	8781	0.13	ug/L #	77
68) o-Xylene	11.45	91	9595	0.07	ug/L	84
70) Bromoform	11.71	173	205	0.15	ug/L #	1
71) Isopropylbenzene	11.87	105	2994	0.02	ug/L	89
79) 1,3,5-Trimethylbenzene	12.58	105	3702	0.03	ug/L	74
81) 1,2,4-Trimethylbenzene	13.04	105	6230	0.05	ug/L	86
86) 1,4-Dichlorobenzene	13.52	146	1686	0.02	ug/L #	1
93) Naphthalene	16.26	128	13023	0.12	ug/L	85

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19634.D Vial: 9
Acq On : 29 Nov 2004 4:30 pm Operator: crf
Sample : 124945-1 voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 17:06 2004 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



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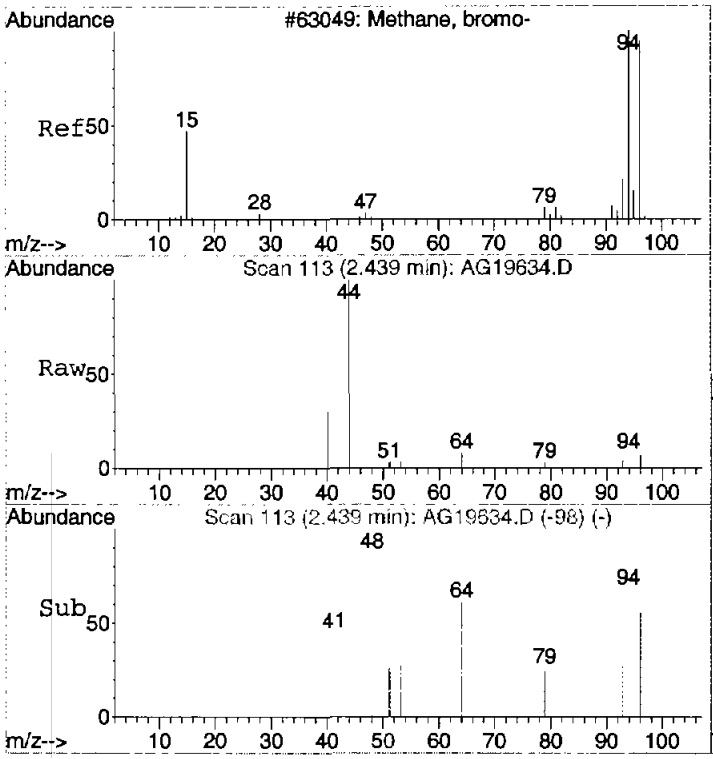
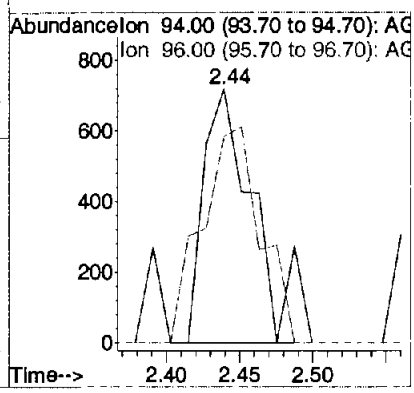
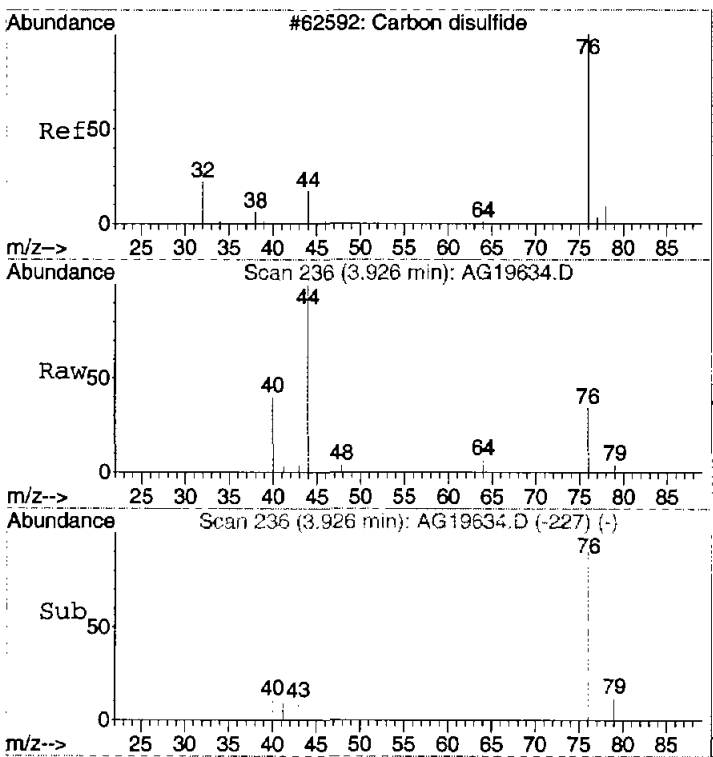


#5
Bromomethane
Concen: 0.27 ug/L
RT: 2.44 min Scan# 113
Delta R.T. 0.00 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion: 94 Resp: 1750

Ion	Ratio	Lower	Upper
94	100		
96	98.1	61.3	121.3

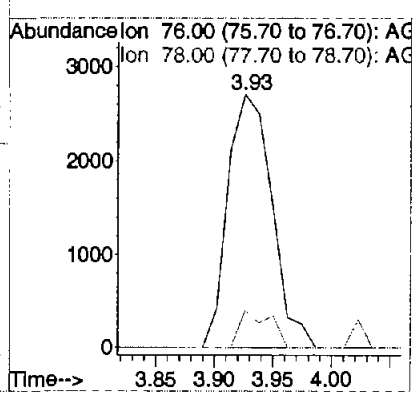


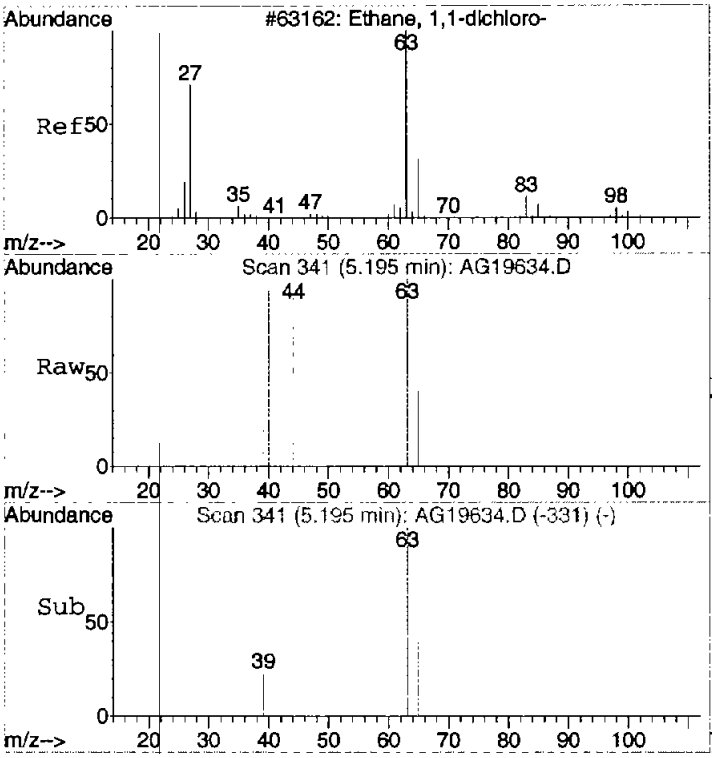


#12
Carbon Disulfide
Concen: 0.06 ug/L
RT: 3.93 min Scan# 236
Delta R.T. -0.01 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion: 76 Resp: 7120

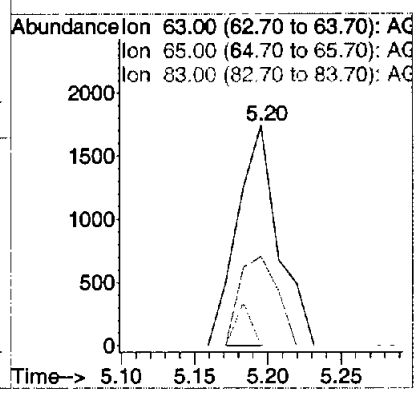
Ion	Ratio	Lower	Upper
76	100		
78	10.3	0.0	39.4

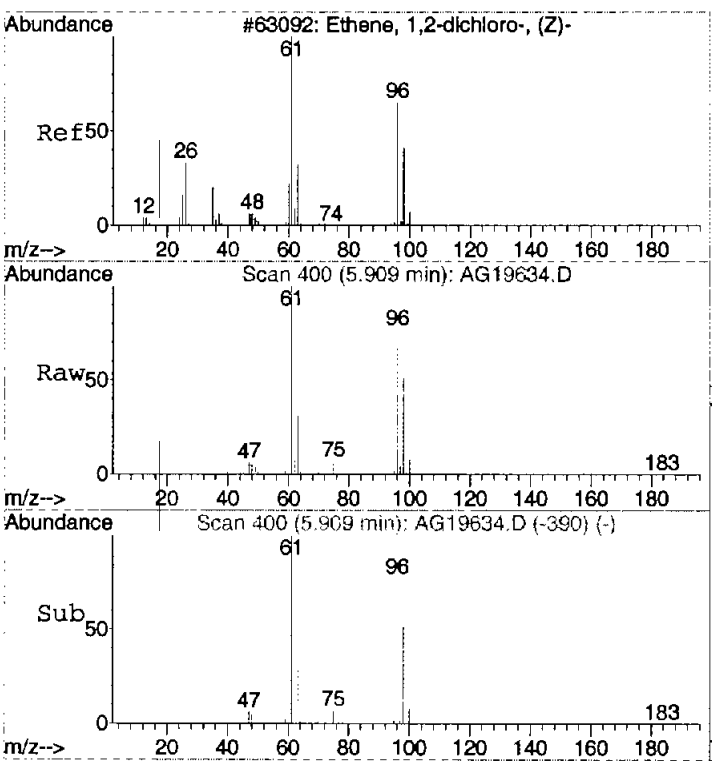




#21
1,1-Dichloroethane
Concen: 0.06 ug/L
RT: 5.20 min Scan# 341
Delta R.T. 0.00 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

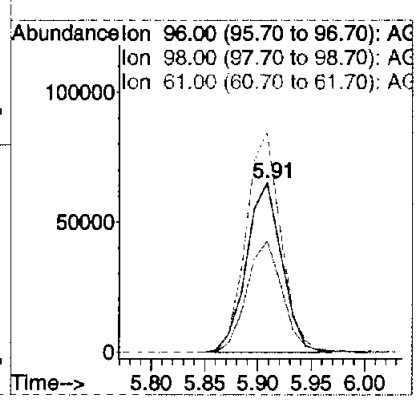
Tgt Ion: 63	Resp:	3388	
Ion	Ratio	Lower	Upper
63	100		
65	37.7	2.8	62.8
83	7.3	0.0	42.1

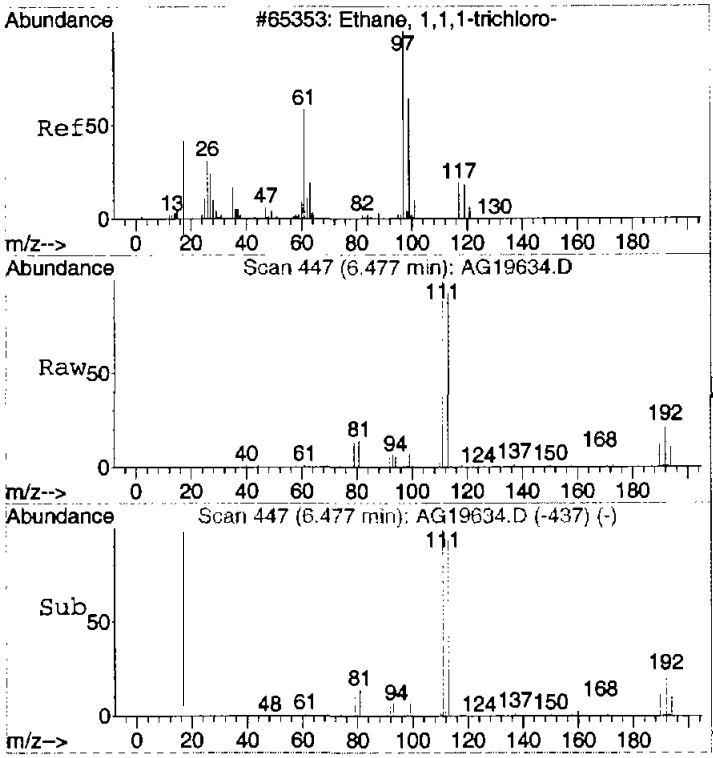




#25
cis-1,2-Dichloroethene
Concen: 3.76 ug/L
RT: 5.91 min Scan# 400
Delta R.T. 0.00 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion: 96	Resp:	150939	
Ion	Ratio	Lower	Upper
96	100		
98	66.1	39.1	99.1
61	128.6	94.4	154.4

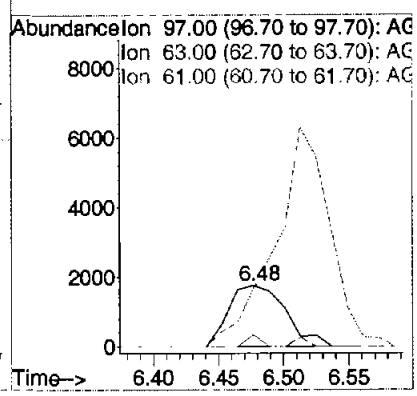


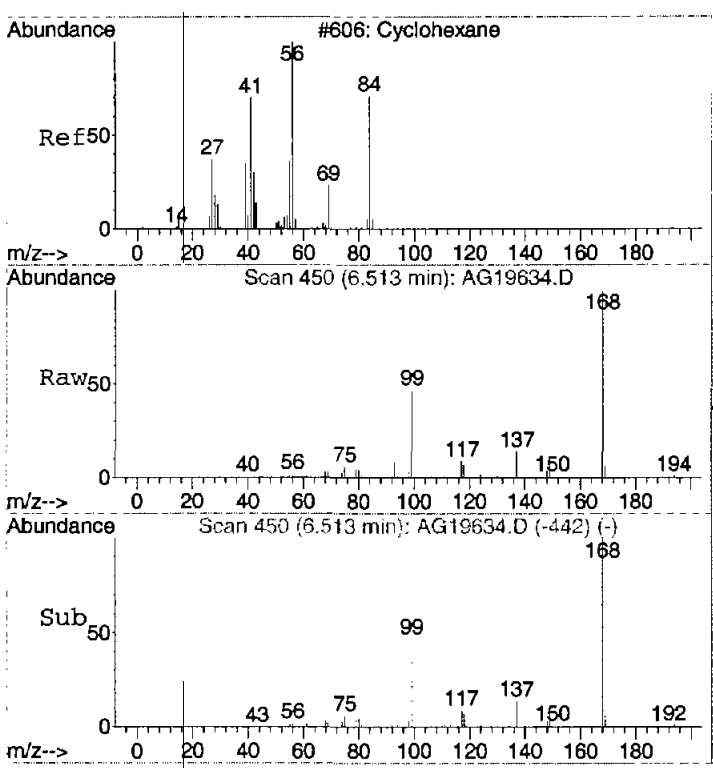


#31
1,1,1-Trichloroethane
Concen: 0.10 ug/L
RT: 6.48 min Scan# 447
Delta R.T. 0.00 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion: 97 Resp: 5361

Ion	Ratio	Lower	Upper
97	100		
63	4.5	0.0	44.7
61	0.0	12.0	72.0#

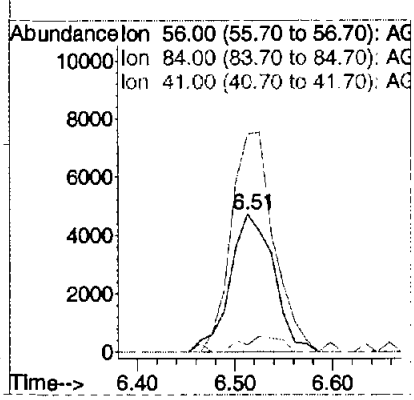


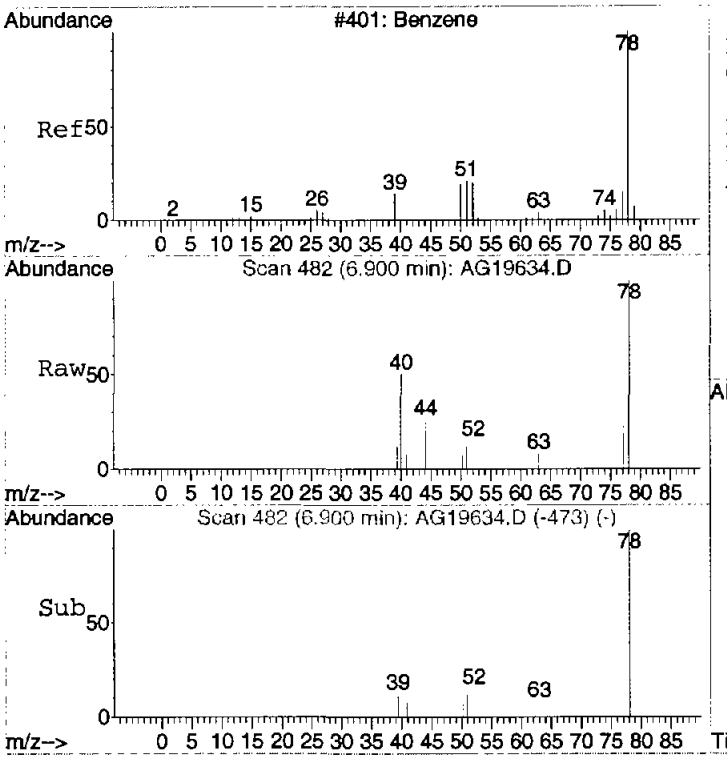


#32
Cyclohexane
Concen: 0.23 ug/L
RT: 6.51 min Scan# 450
Delta R.T. -0.02 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion: 56 Resp: 14736

Ion	Ratio	Lower	Upper
56	100		
84	155.2	53.0	113.0#
41	10.4	17.6	77.6#

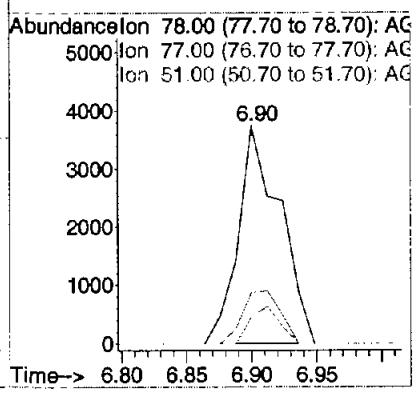


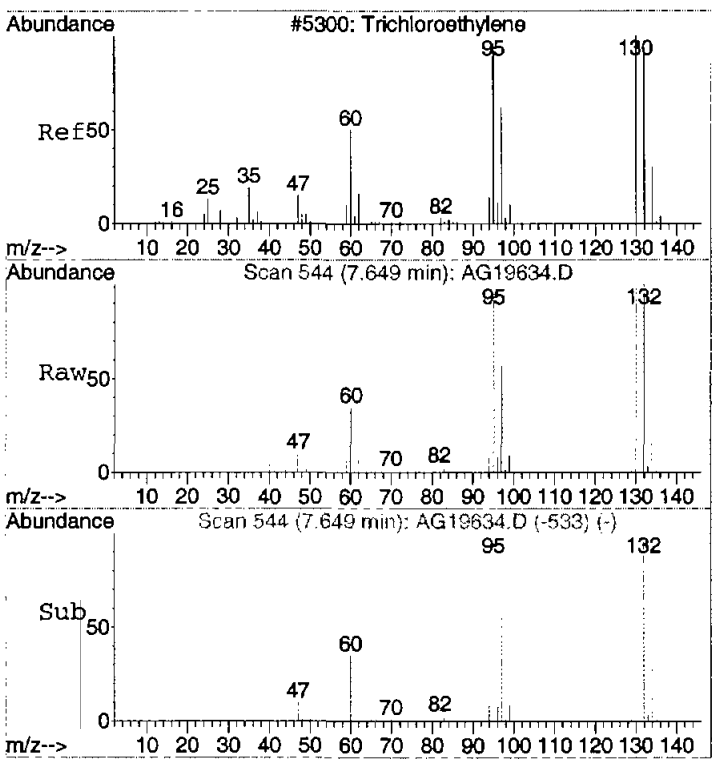


#37
Benzene
Concen: 0.06 ug/L
RT: 6.90 min Scan# 482
Delta R.T. -0.01 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion: 78 Resp: 8348

Ion	Ratio	Lower	Upper
78	100		
77	21.9	0.0	54.4
51	12.1	0.0	46.2

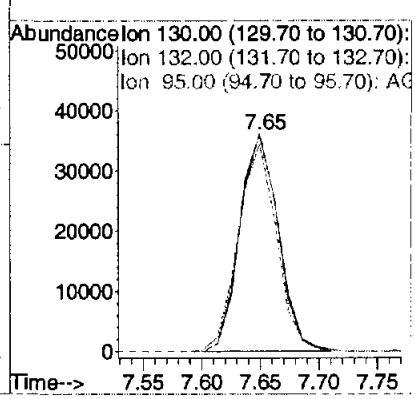


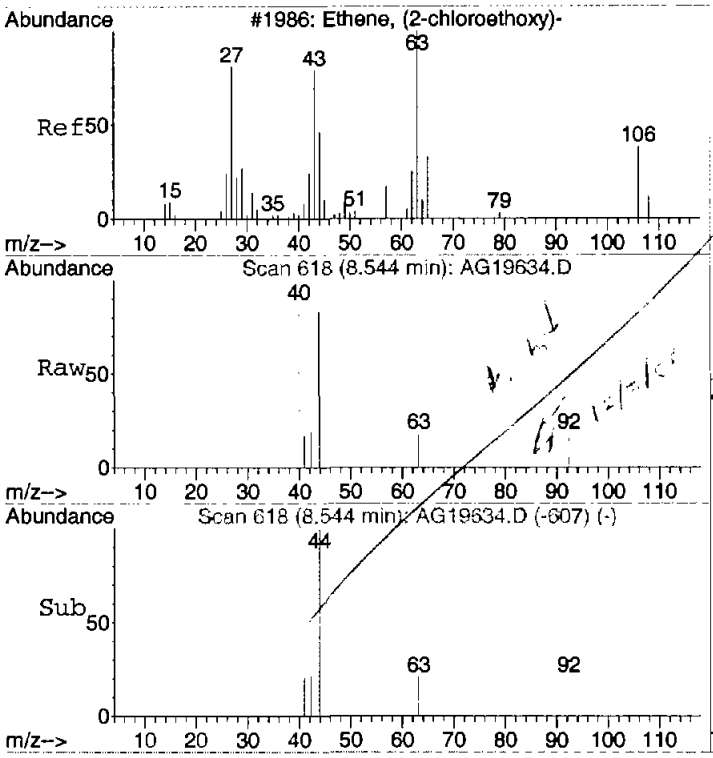


#43
Trichloroethene
Concen: 2.03 ug/L
RT: 7.65 min Scan# 544
Delta R.T. 0.01 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion:130 Resp: 82861

Ion	Ratio	Lower	Upper
130	100		
132	98.7	69.1	129.1
95	94.8	68.7	128.7

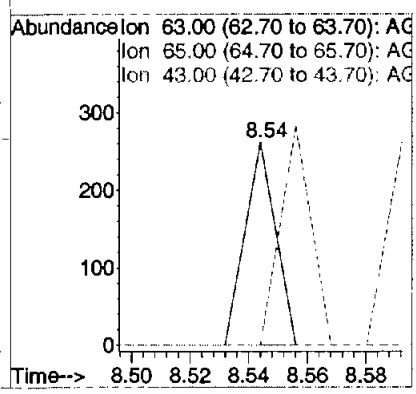


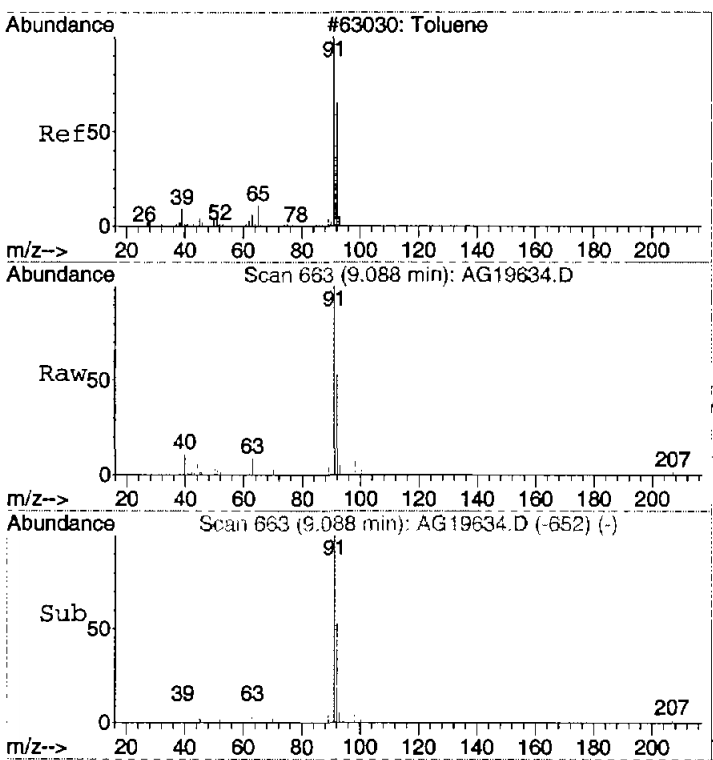


#50
2-Chloroethyl Vinyl Ether
Concen: 1.87 ug/L
RT: 8.54 min Scan# 618
Delta R.T. 0.02 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion: 63 Resp: 190

Ion	Ratio	Lower	Upper
63	100		
65	0.0	3.8	63.8#
43	107.9	39.7	99.7#

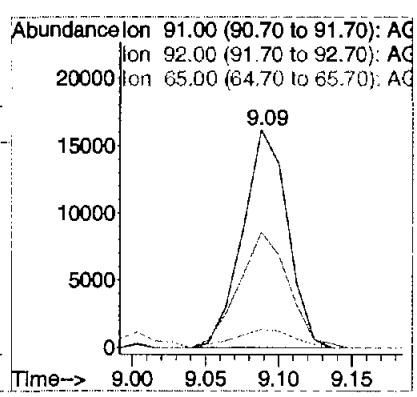


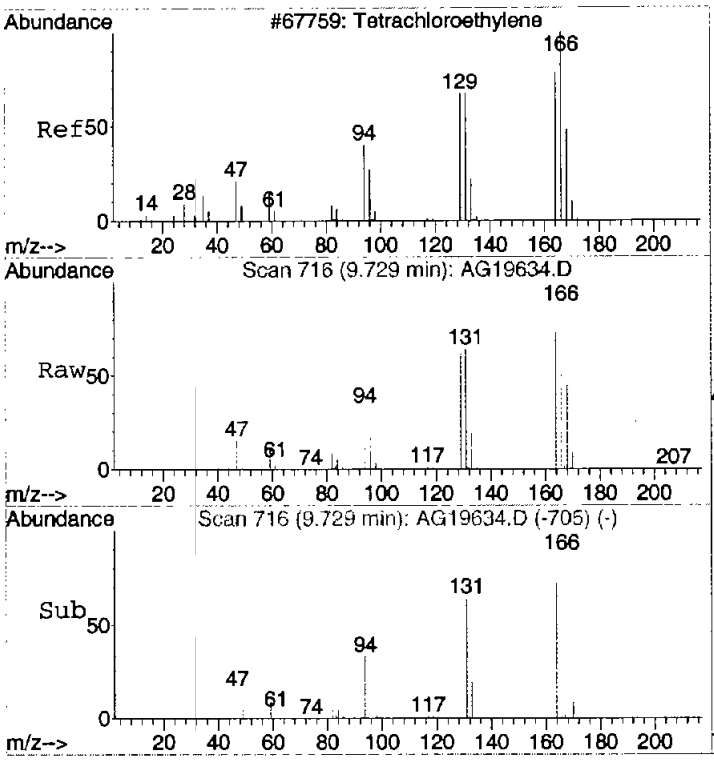


#54
Toluene
Concen: 0.22 ug/L
RT: 9.09 min Scan# 663
Delta R.T. 0.02 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion: 91 Resp: 34531

Ion	Ratio	Lower	Upper
91	100		
92	58.9	30.2	90.2
65	11.1	0.0	41.1

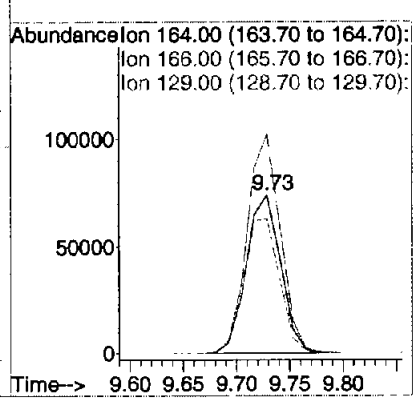


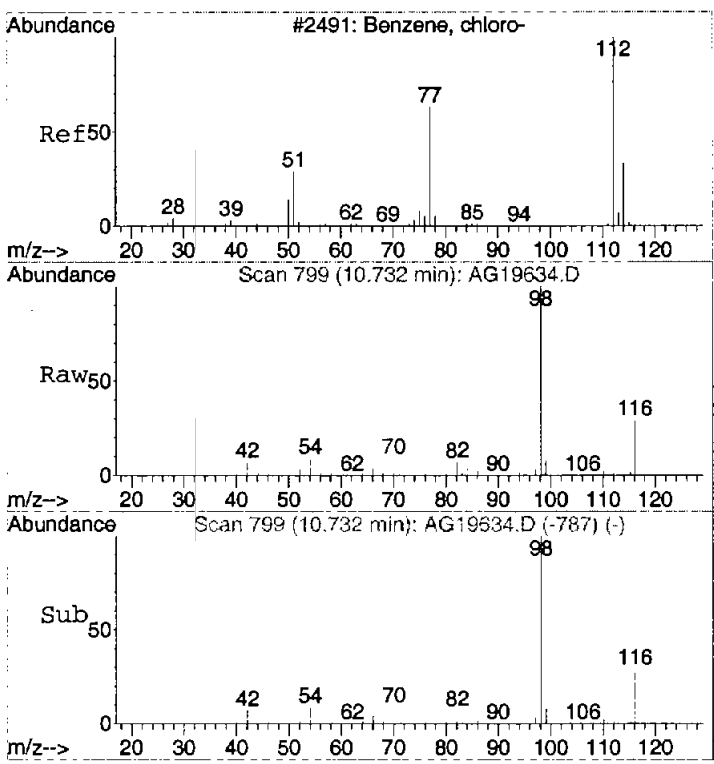


#57
Tetrachloroethene
Concen: 5.08 ug/L
RT: 9.73 min Scan# 716
Delta R.T. 0.02 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion:164 Resp: 167049

Ion	Ratio	Lower	Upper
164	100		
166	133.3	91.3	151.3
129	88.0	54.9	114.9

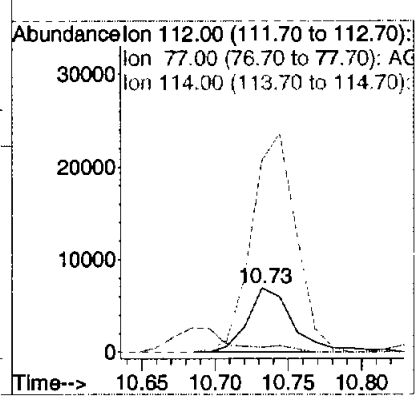


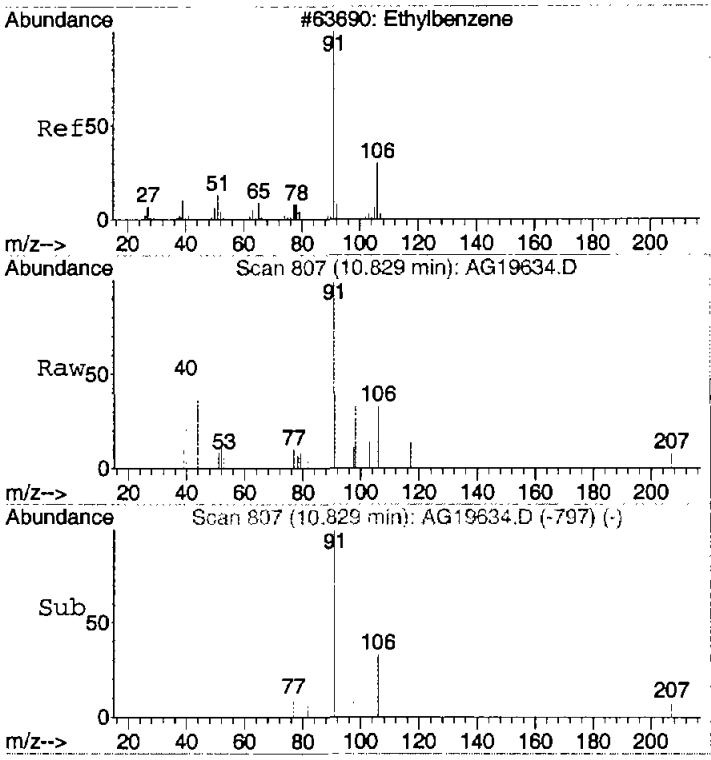


#64
Chlorobenzene
Concen: 0.13 ug/L
RT: 10.73 min Scan# 799
Delta R.T. 0.02 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion:112 Resp: 14436

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.7	84.7#
114	347.6	4.7	64.7#

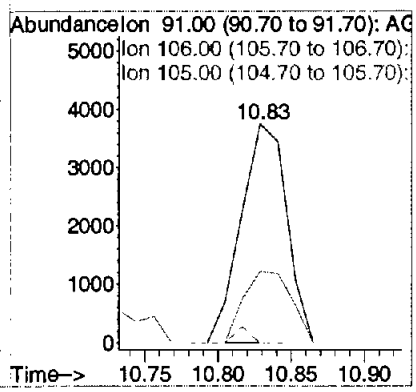


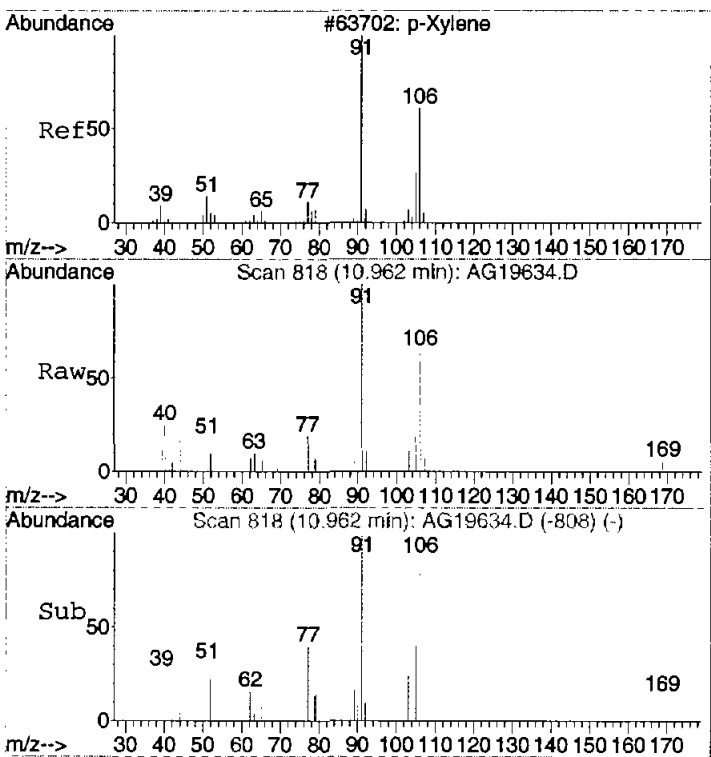


#66
Ethylbenzene
Concen: 0.05 ug/L
RT: 10.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion: 91 Resp: 8131

Ion	Ratio	Lower	Upper
91	100		
106	33.9	2.9	62.9
105	2.4	0.0	35.3

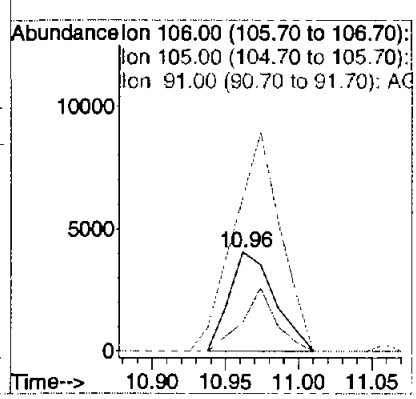


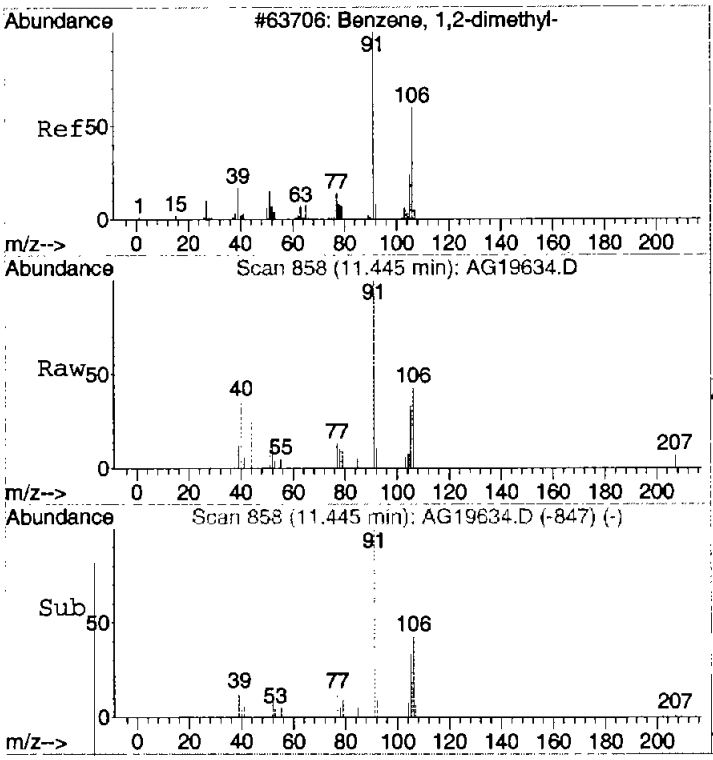


#67
m,p-Xylene
Concen: 0.13 ug/L
RT: 10.96 min Scan# 818
Delta R.T. 0.00 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion:106 Resp: 8781

Ion	Ratio	Lower	Upper
106	100		
105	48.0	11.2	71.2
91	228.2	159.7	219.7#

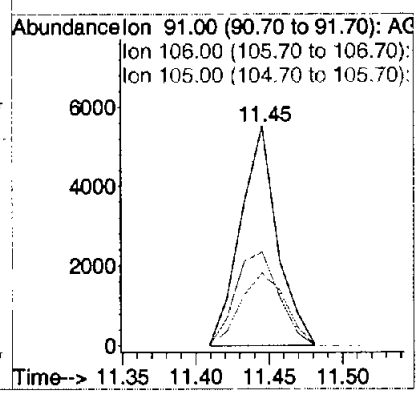


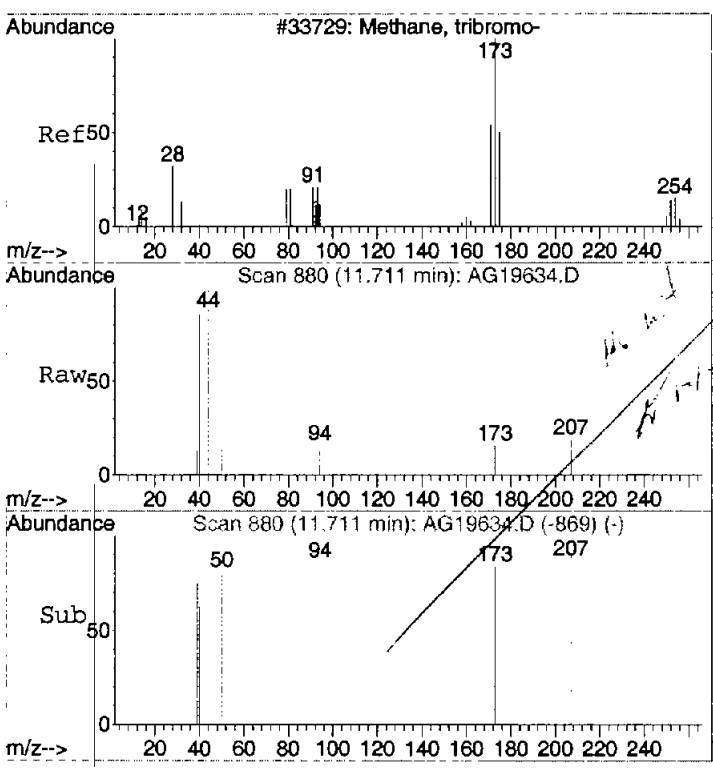


#68
o-Xylene
Concen: 0.07 ug/L
RT: 11.45 min Scan# 858
Delta R.T. 0.01 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion: 91 Resp: 9595

Ion	Ratio	Lower	Upper
91	100		
106	50.6	17.5	77.5
105	40.2	0.0	50.8

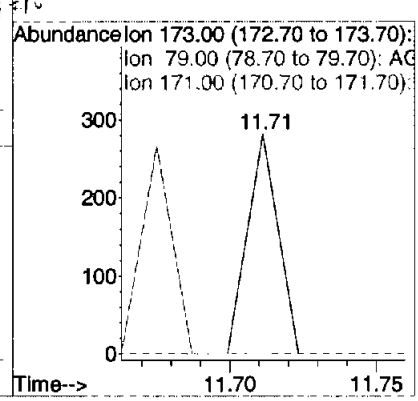


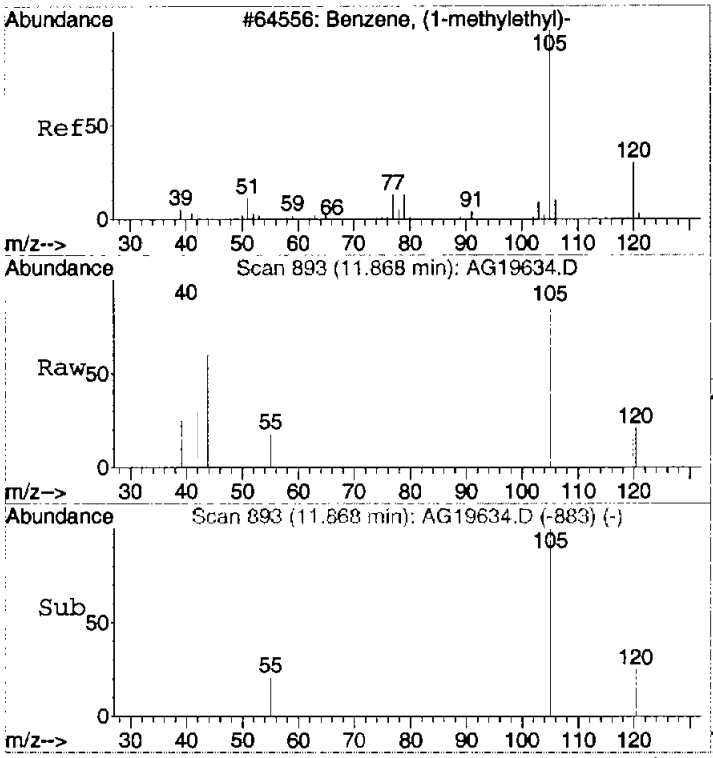


#70
Bromoform
Concen: 0.15 ug/L
RT: 11.71 min Scan# 880
Delta R.T. 0.01 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion:173 Resp: 205

Ion	Ratio	Lower	Upper
173	100		
79	94.6	0.0	44.3#
171	0.0	16.2	76.2#

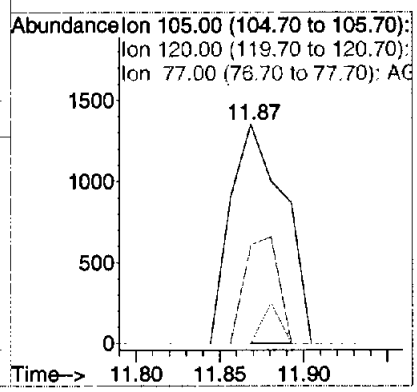


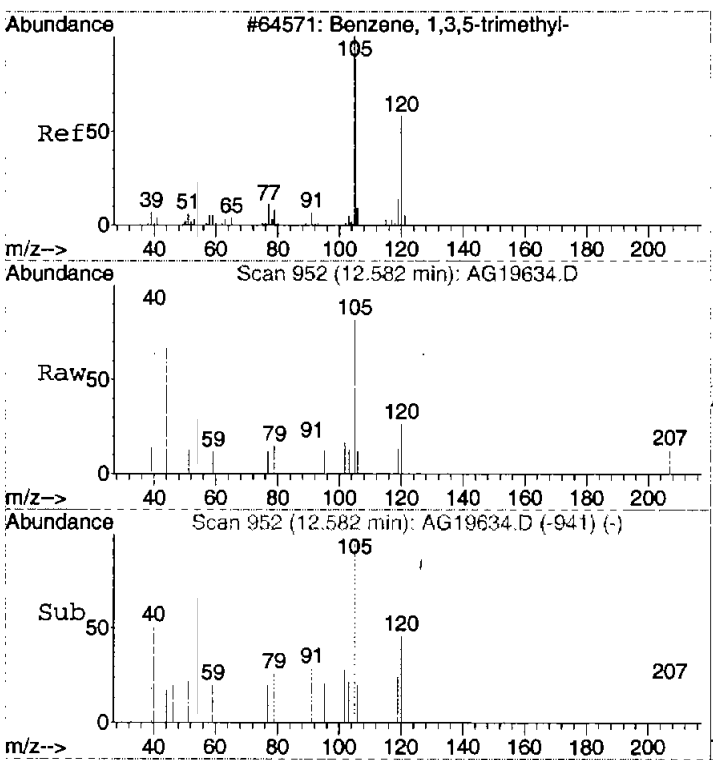


#71
Isopropylbenzene
Concen: 0.02 ug/L
RT: 11.87 min Scan# 893
Delta R.T. 0.00 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion:105 Resp: 2994

Ion	Ratio	Lower	Upper
105	100		
120	30.8	0.0	57.6
77	6.1	0.0	44.4

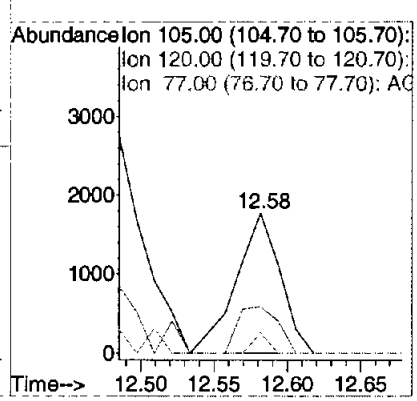


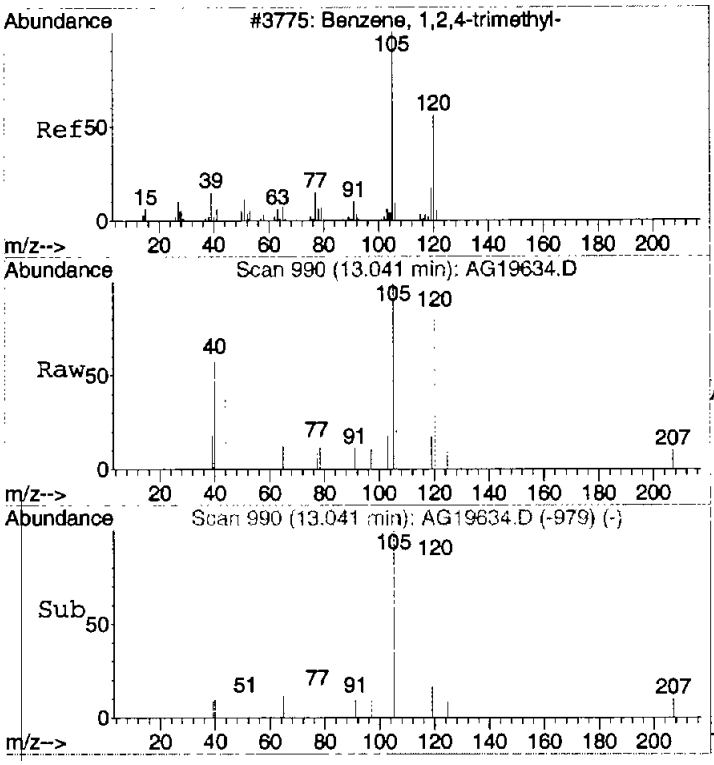


#79
1,3,5-Trimethylbenzene
Concen: 0.03 ug/L
RT: 12.58 min Scan# 952
Delta R.T. 0.01 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion:105 Resp: 3702

Ion	Ratio	Lower	Upper
105	100		
120	30.2	19.9	79.9
77	5.0	0.0	41.6

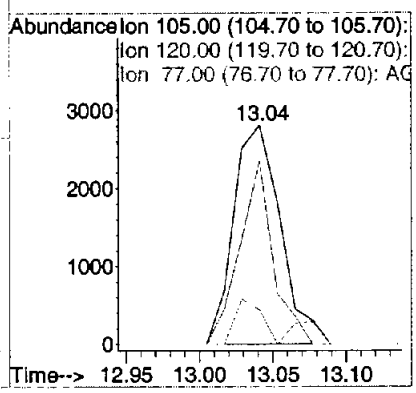


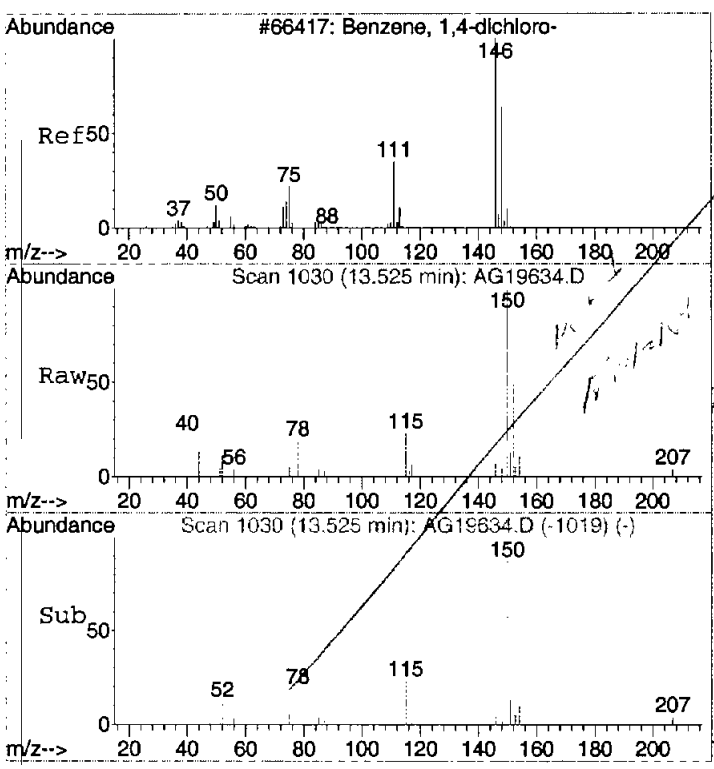


#81
1,2,4-Trimethylbenzene
Concen: 0.05 ug/L
RT: 13.04 min Scan# 990
Delta R.T. 0.01 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion:105 Resp: 6230

Ion	Ratio	Lower	Upper
105	100		
120	60.2	18.9	78.9
77	11.8	0.0	41.2

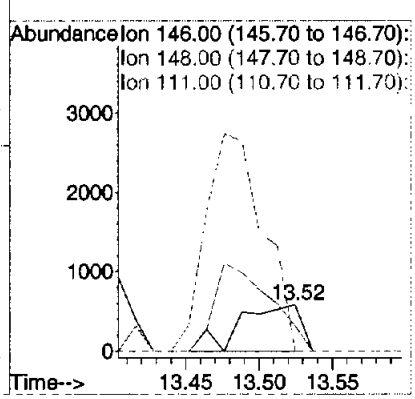


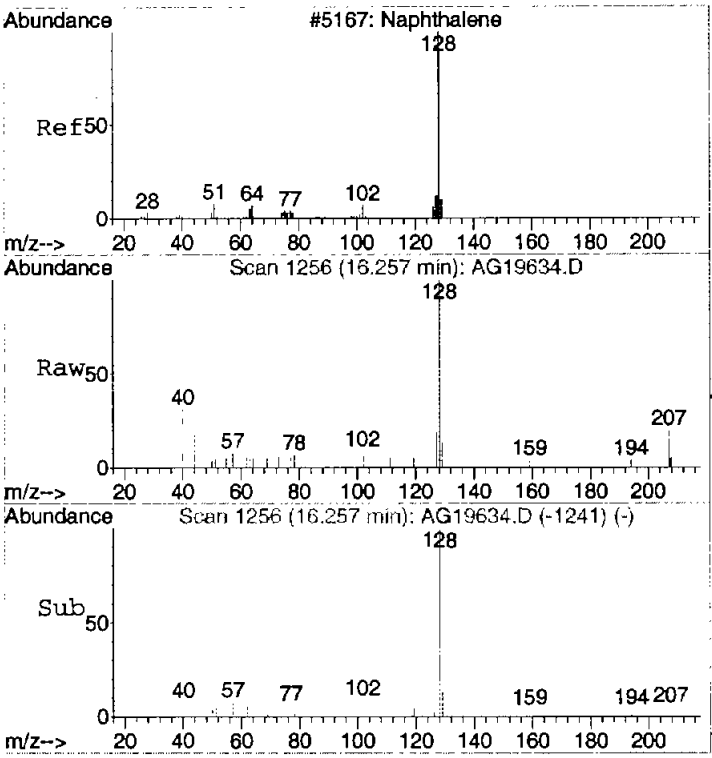


#86
1,4-Dichlorobenzene
Concen: 0.02 ug/L
RT: 13.52 min Scan# 1030
Delta R.T. 0.01 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion:146 Resp: 1686

Ion	Ratio	Lower	Upper
146	100		
148	174.1	32.0	92.0#
111	443.5	6.2	66.2#

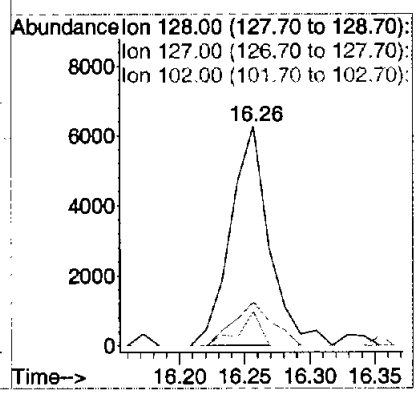




#93
Naphthalene
Concen: 0.12 ug/L
RT: 16.26 min Scan# 1256
Delta R.T. 0.00 min
Lab File: AG19634.D
Acq: 29 Nov 2004 4:30 pm

Tgt Ion:128 Resp: 13023

Ion	Ratio	Lower	Upper
128	100		
127	20.0	0.0	42.2
102	8.6	0.0	36.6



Quantitation Report (QT Reviewed)

Data File : E:\DATA\11222004\AG19571.D Vial: 11
Acq On : 22 Nov 2004 1:02 pm Operator: frz
Sample : 124945-03 voa1042 Inst : VOAInst#3
Misc : soil #2.539 lot 0118801P Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:39 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	723554	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1180162	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	217925	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	430629	10.00	ug/Kg	0.00
System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	369148	10.82	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 108.20%			
34) Fluorobenzene(S)	7.23	96	1327471	10.10	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 101.00%			
36) Trifluorotoluene(S)	7.96	146	1273176	20.73	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 103.65%			
45) Toluene-d8(S)	9.02	98	1218788	9.43	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 94.30%			
55) Ethylbenzene-d10(S)	10.74	98	1497086	9.37	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 93.70%			
64) Bromofluorobenzene(S)	12.09	174	376024	9.16	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 91.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	2741	0.07	ug/Kg	77
3) Chloromethane	1.87	50	9458	Below Cal		91
7) Trichlorofluoromethane	2.91	101	1528	Below Cal	#	84
10) Carbon Disulfide	3.93	76	55324	0.45	ug/Kg	100
11) Acetone	3.73	43	102074	13.44	ug/Kg	93
13) Methylene Chloride	4.31	49	52327	0.49	ug/Kg	95
32) Benzene	6.91	78	18467	0.14	ug/Kg	93
37) Trichloroethene	7.65	130	1425	0.03	ug/Kg	77
46) Toluene	9.09	91	36730	0.25	ug/Kg	89
58) Ethylbenzene	10.83	91	8238	0.05	ug/Kg	99
59) m,p-Xylene	10.97	106	6747	0.11	ug/Kg	83
60) o-Xylene	11.43	91	5359	0.04	ug/Kg	80
61) Styrene	11.47	104	2968	0.03	ug/Kg	66
84) Hexachlorobutadiene	16.15	225	249	Below Cal	#	21

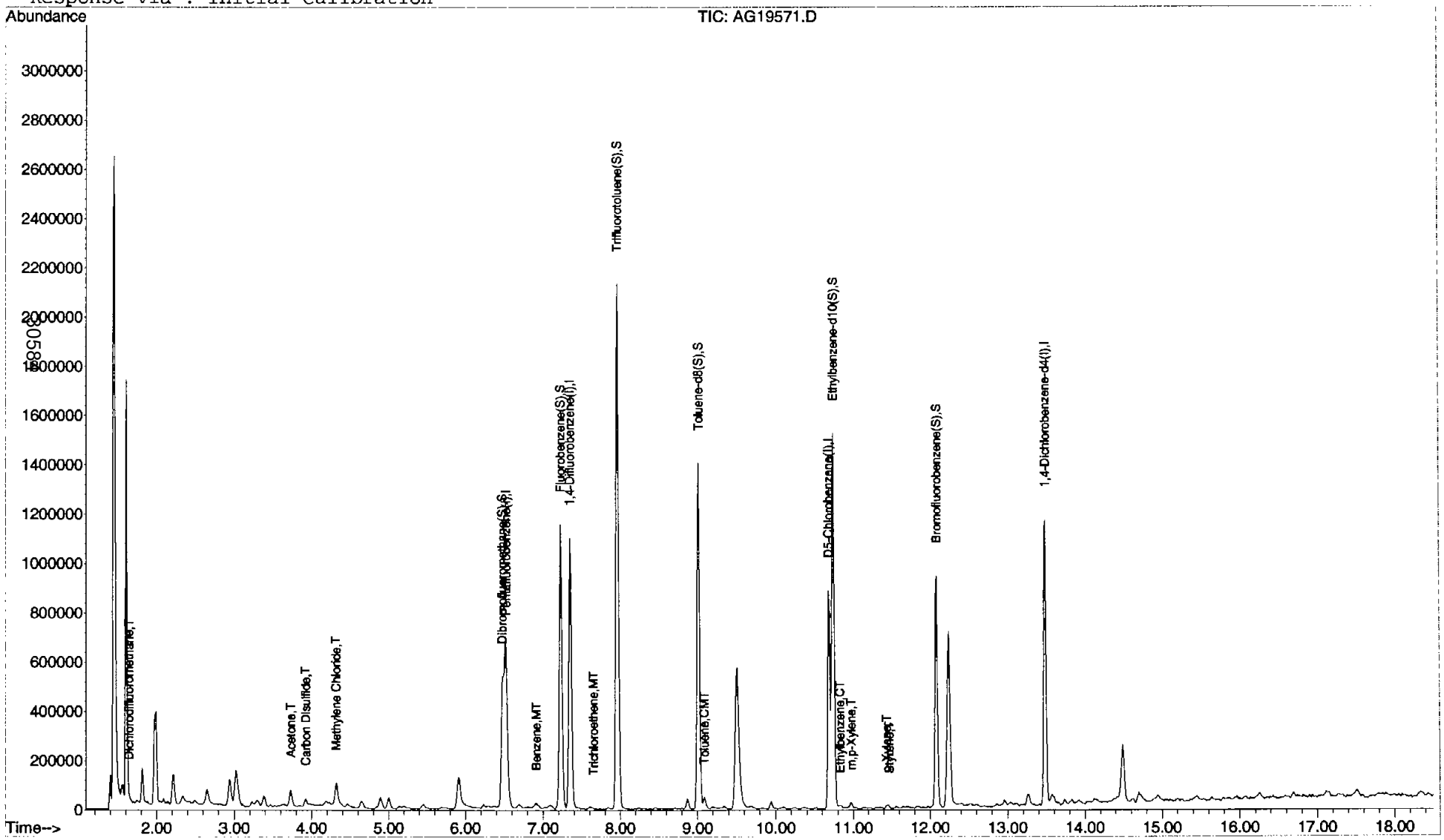
Quantitation Report (QT Reviewed)

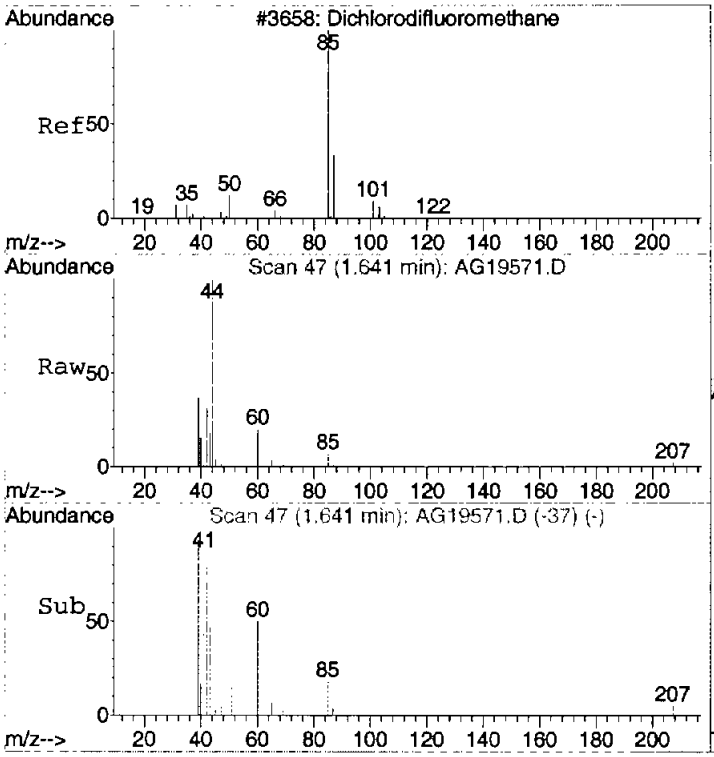
Data File : E:\DATA\11222004\AG19571.D
Acq On : 22 Nov 2004 1:02 pm
Sample : 124945-03 voa1042
Misc : soil #2.539 lot 0118801P
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:54 2004

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

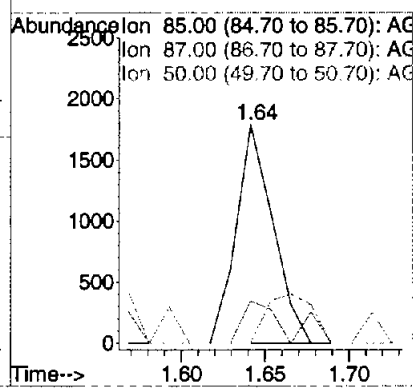


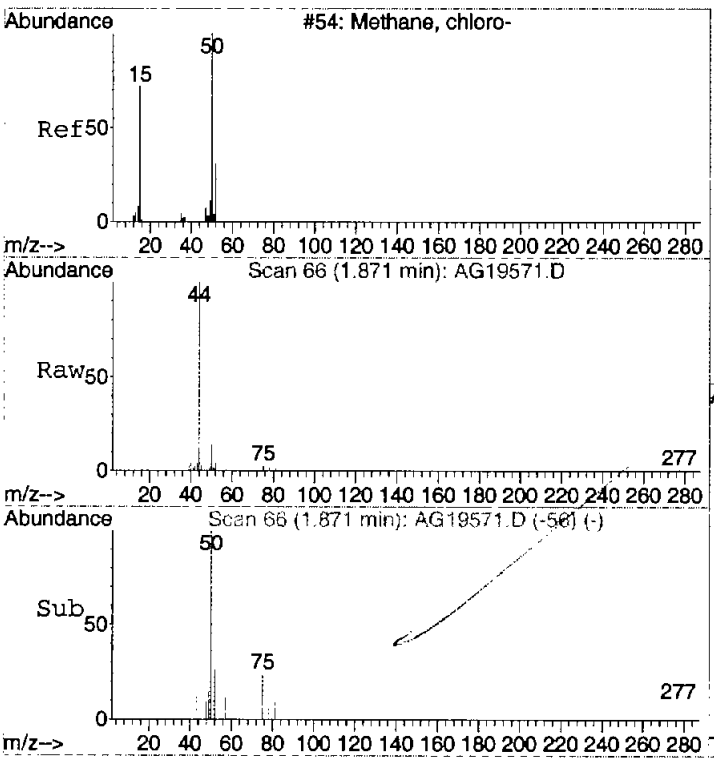


#2
Dichlorodifluoromethane
Concen: 0.07 ug/Kg
RT: 1.64 min Scan# 47
Delta R.T. -0.00 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion: 85 Resp: 2741

Ion	Ratio	Lower	Upper
85	100		
87	23.3	1.5	61.5
50	28.1	0.0	40.1

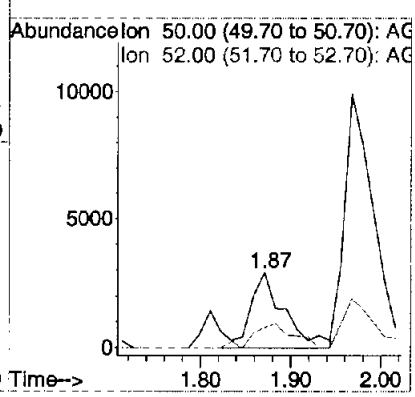


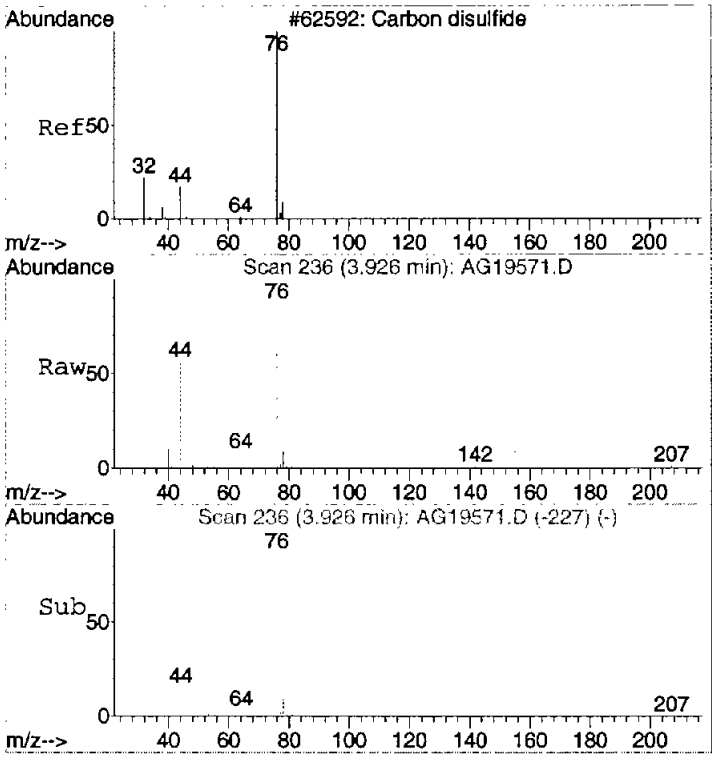


#3
Chloromethane
Concen: Below Cal
RT: 1.87 min Scan# 66
Delta R.T. 0.00 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion: 50 Resp: 9458

Ion	Ratio	Lower	Upper
50	100		
52	30.3	5.5	65.5

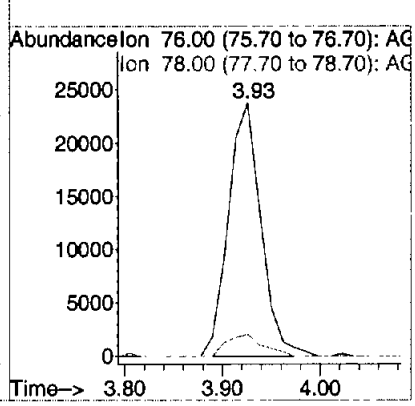


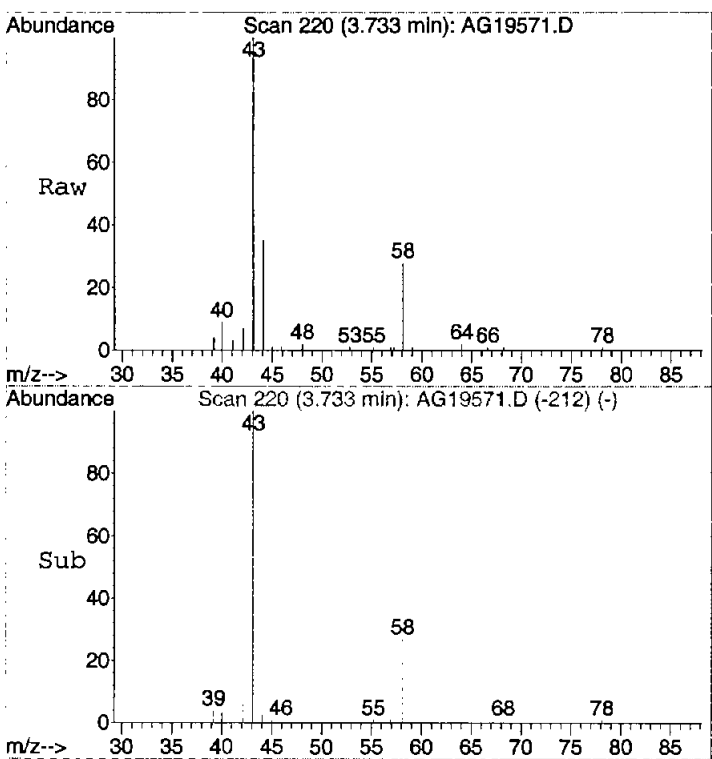


#10
Carbon Disulfide
Concen: 0.45 ug/Kg
RT: 3.93 min Scan# 236
Delta R.T. -0.01 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion: 76 Resp: 55324

Ion	Ratio	Lower	Upper
76	100		
78	9.7	0.0	39.7

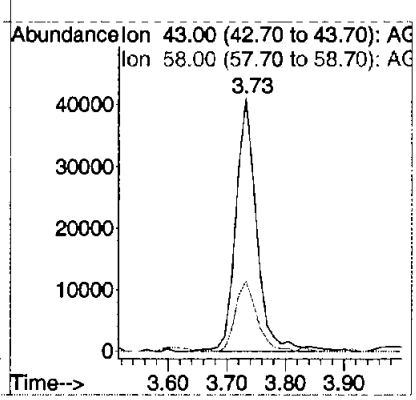


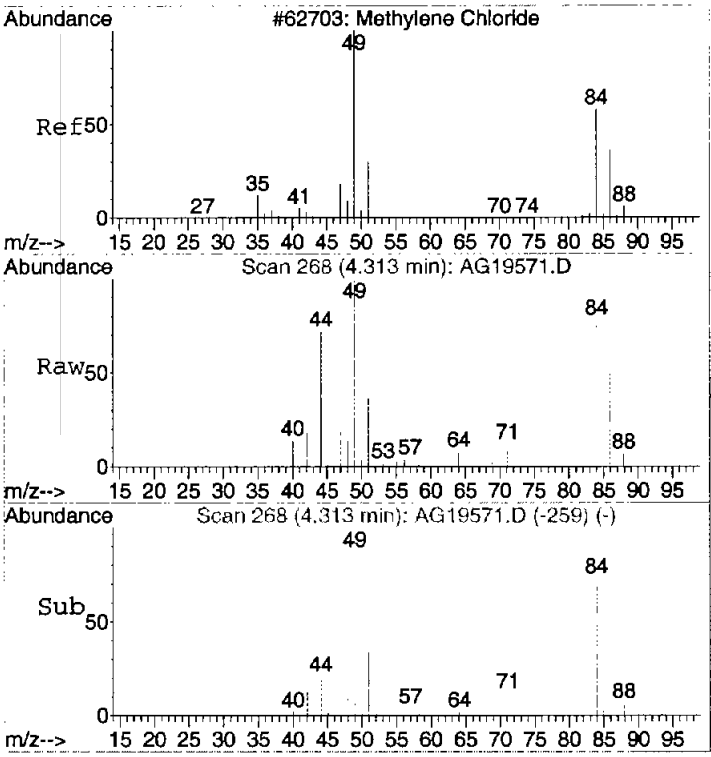


#11
Acetone
Concen: 13.44 ug/Kg
RT: 3.73 min Scan# 220
Delta R.T. 0.01 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion: 43 Resp: 102074

Ion	Ratio	Lower	Upper
43	100		
58	28.3	2.4	62.4

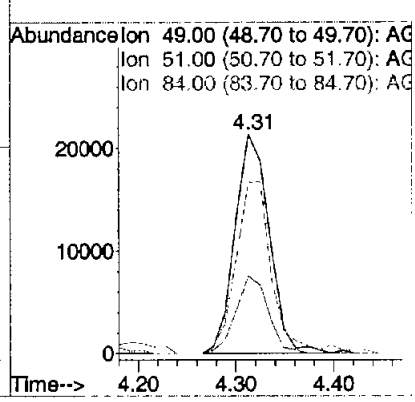


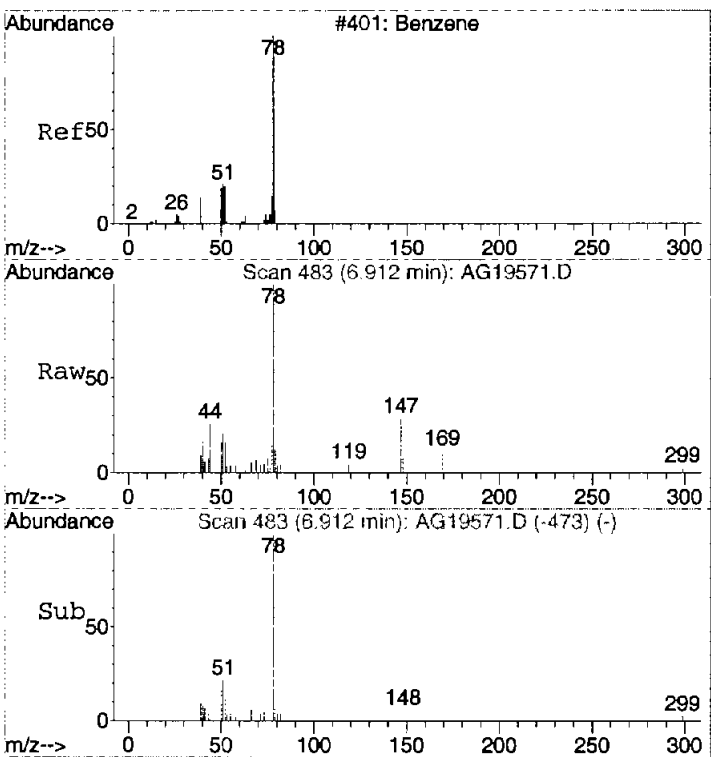


#13
Methylene Chloride
Concen: 0.49 ug/Kg
RT: 4.31 min Scan# 268
Delta R.T. -0.01 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion: 49 Resp: 52327

Ion	Ratio	Lower	Upper
49	100		
51	33.5	0.0	59.0
84	82.4	49.0	109.0

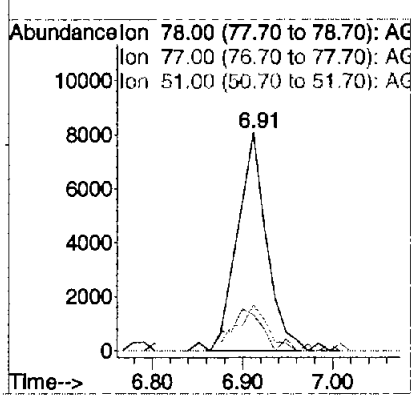


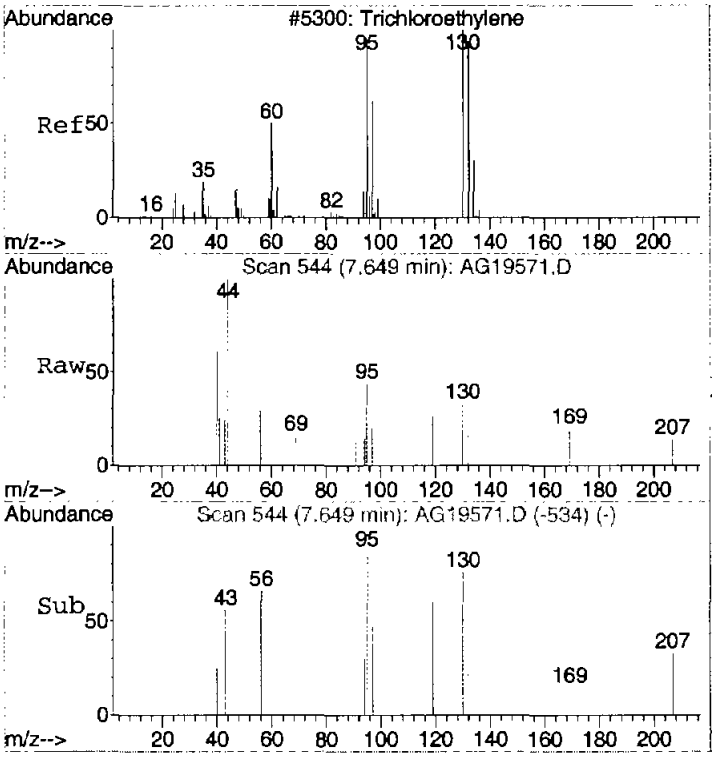


#32
Benzene
Concen: 0.14 ug/Kg
RT: 6.91 min Scan# 483
Delta R.T. 0.00 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion: 78 Resp: 18467

Ion	Ratio	Lower	Upper
78	100		
77	21.8	0.0	53.2
51	22.1	0.0	46.6

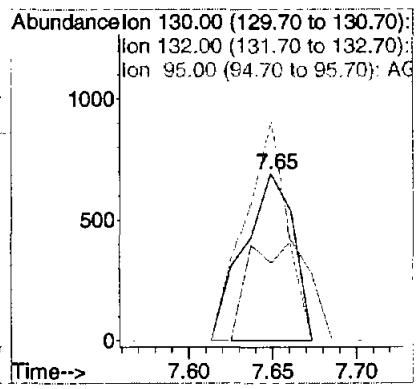


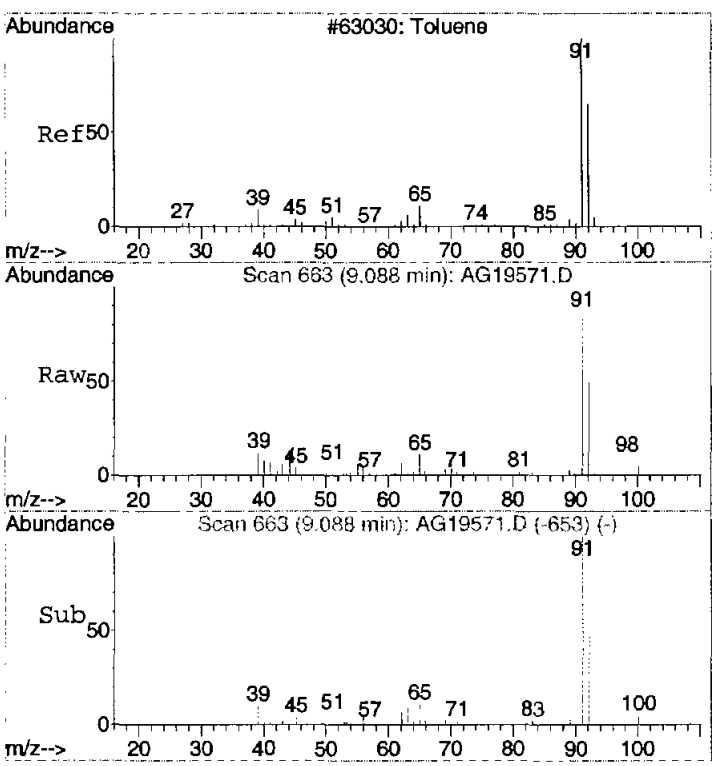


#37
Trichloroethene
Concen: 0.03 ug/Kg
RT: 7.65 min Scan# 544
Delta R.T. 0.00 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion:130 Resp: 1425

Ion	Ratio	Lower	Upper
130	100		
132	72.0	69.6	129.6
95	112.0	64.7	124.7

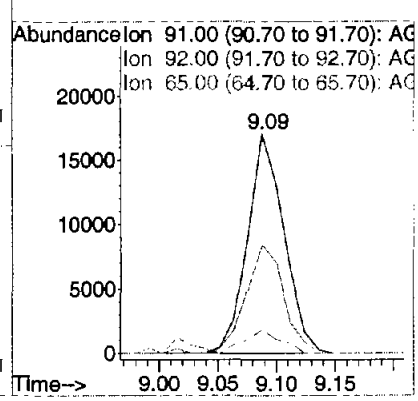


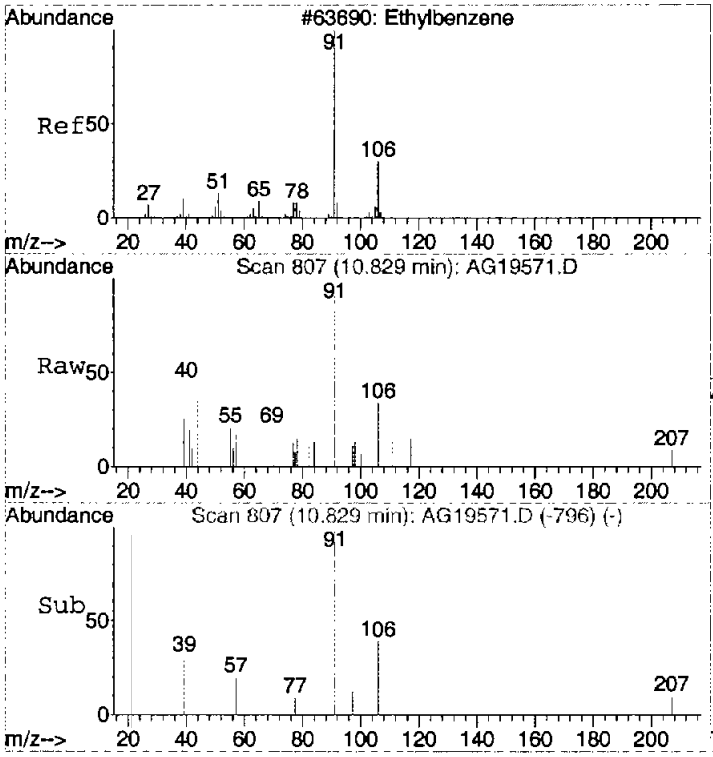


#46
Toluene
Concen: 0.25 ug/Kg
RT: 9.09 min Scan# 663
Delta R.T. -0.00 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion: 91 Resp: 36730

Ion	Ratio	Lower	Upper
91	100		
92	51.2	31.1	91.1
65	10.7	0.0	41.0

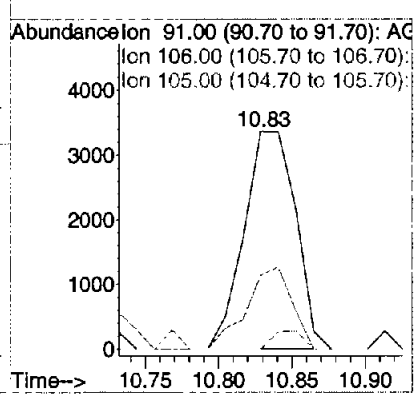


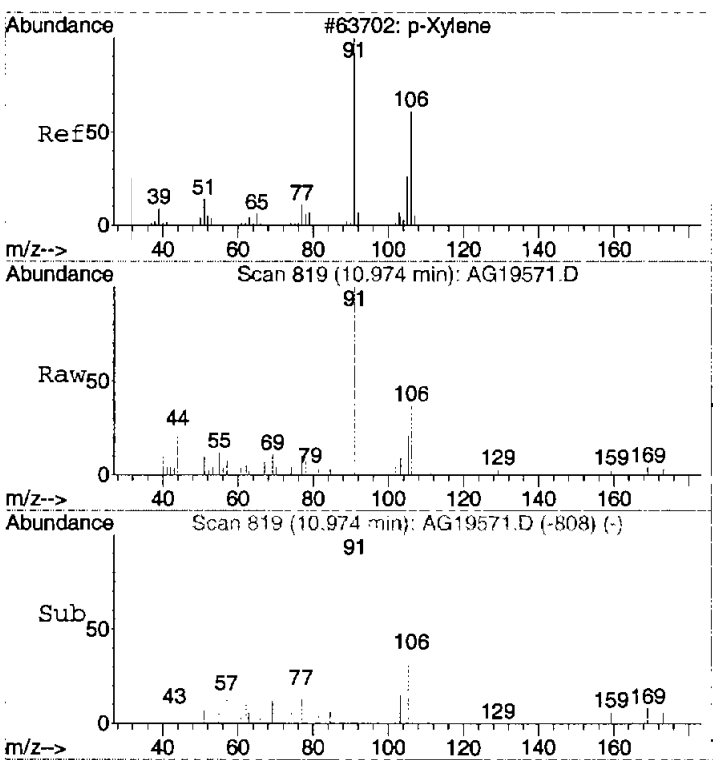


#58
Ethylbenzene
Concen: 0.05 ug/Kg
RT: 10.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion: 91 Resp: 8238

Ion	Ratio	Lower	Upper
91	100		
106	33.2	2.3	62.3
105	4.9	0.0	34.8

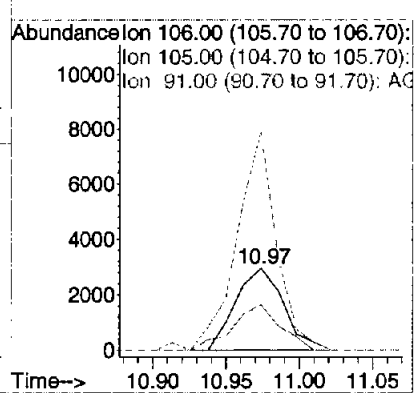


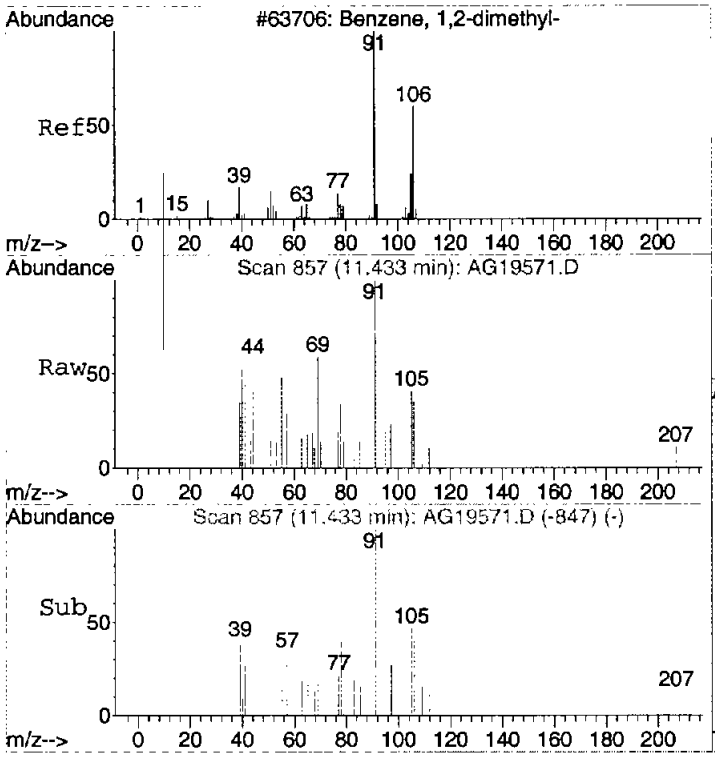


#59
m,p-Xylene
Concen: 0.11 ug/Kg
RT: 10.97 min Scan# 819
Delta R.T. 0.01 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion:106 Resp: 6747

Ion	Ratio	Lower	Upper
106	100		
105	55.8	15.7	75.7
91	220.8	165.6	225.6

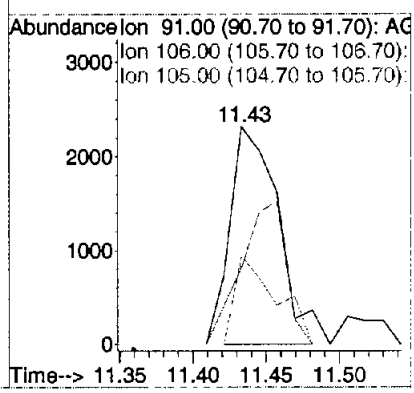


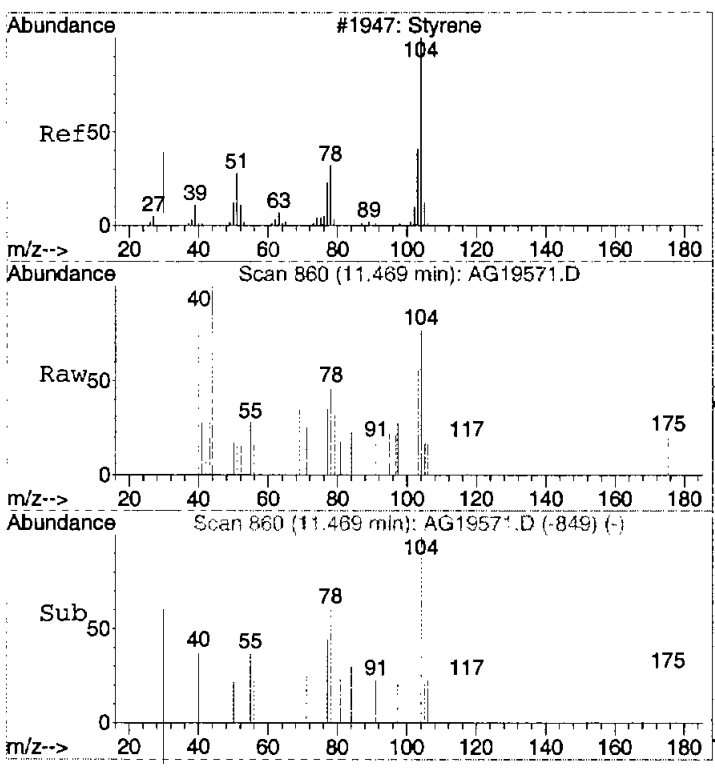


#60
o-Xylene
Concen: 0.04 ug/Kg
RT: 11.43 min Scan# 857
Delta R.T. 0.00 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion: 91 Resp: 5359

Ion	Ratio	Lower	Upper
91	100		
106	60.0	18.7	78.7
105	35.0	0.0	51.7

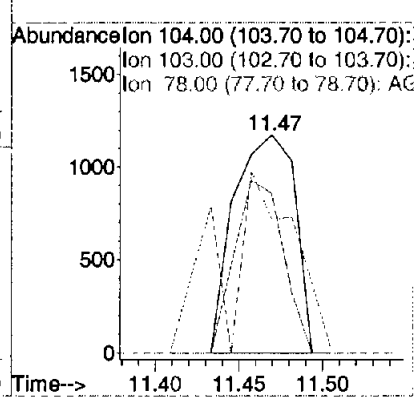


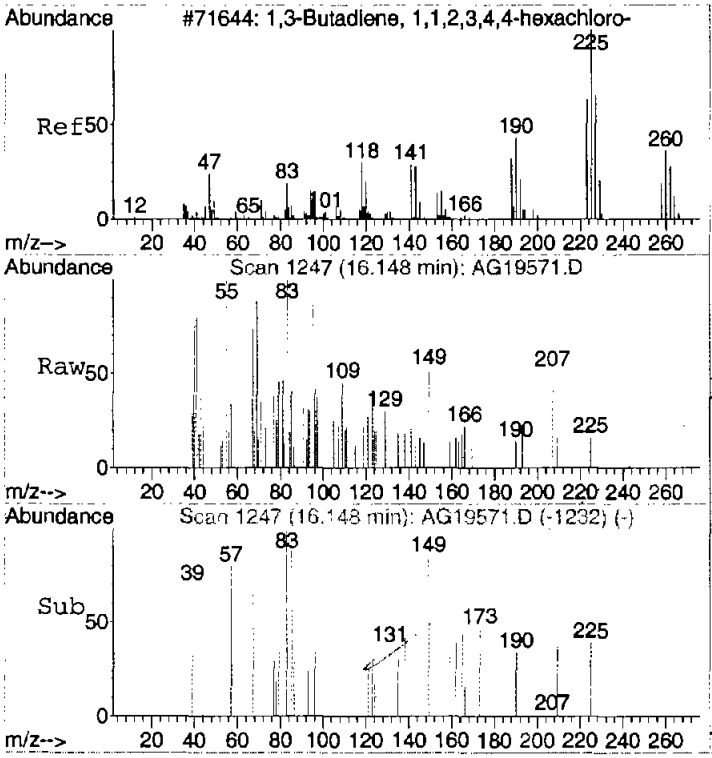


#61
Styrene
Concen: 0.03 ug/Kg
RT: 11.47 min Scan# 860
Delta R.T. 0.01 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion:104 Resp: 2968

Ion	Ratio	Lower	Upper
104	100		
103	63.2	16.9	76.9
78	68.4	10.4	70.4

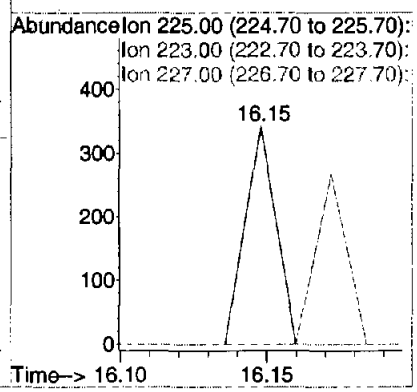




#84
Hexachlorobutadiene
Concen: Below Cal
RT: 16.15 min Scan# 1247
Delta R.T. -0.00 min
Lab File: AG19571.D
Acq: 22 Nov 2004 1:02 pm

Tgt Ion:225 Resp: 249

Ion	Ratio	Lower	Upper
225	100		
223	0.0	33.4	93.4#
227	0.0	26.3	86.3#



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19635.D Vial: 10
Acq On : 29 Nov 2004 4:56 pm Operator: crf
Sample : 124945-4 voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 17:06:49 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	869199	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1293364	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	247179	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	546100	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	355657	9.75	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 97.50%			
40) Fluorobenzene(S)	7.23	96	1447902	10.68	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 106.80%			
42) Trifluorotoluene(S)	7.96	146	625048	9.84	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 98.40%			
53) Toluene-d8(S)	9.02	98	1365357	10.68	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 106.80%			
63) Ethylbenzene-d10(S)	10.74	98	1703126	11.20	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 112.00%#			
72) Bromofluorobenzene(S)	12.09	174	468348	10.29	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 102.90%			
Target Compounds						Qvalue
3) Chloromethane	1.88	50	11777	0.17	ug/L	92
5) Bromomethane	2.44	94	2647	0.42	ug/L	72
12) Carbon Disulfide	3.94	76	7812	0.07	ug/L	96
15) Methylene Chloride	4.32	49	3973	0.09	ug/L	85
32) Cyclohexane	6.51	56	12687	0.21	ug/L #	1
64) Chlorobenzene	10.74	112	13298	0.13	ug/L #	1
70) Bromoform	11.71	173	407	0.16	ug/L #	38
93) Naphthalene	16.26	128	6686	0.06	ug/L #	76

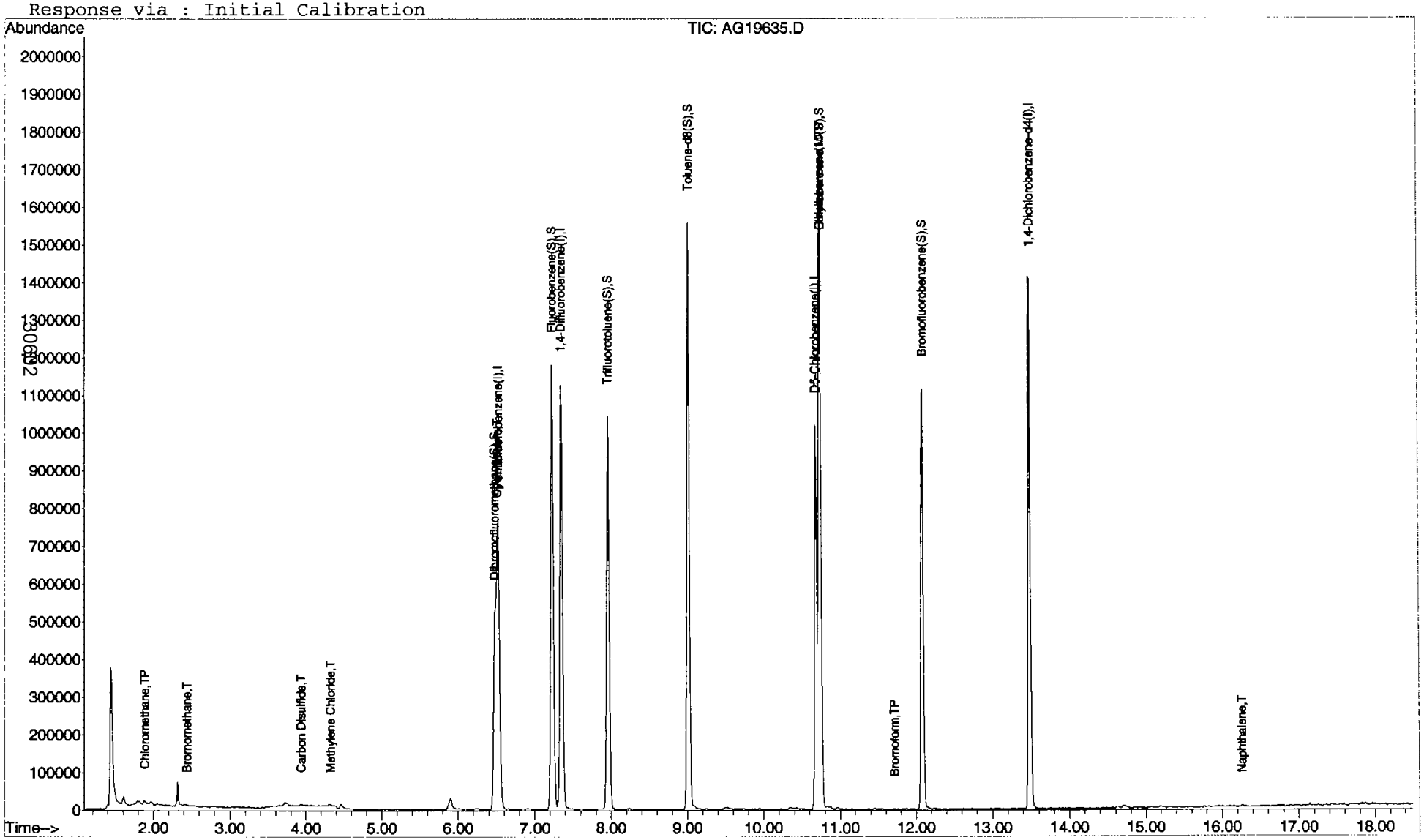
Quantitation Report (Not Reviewed)

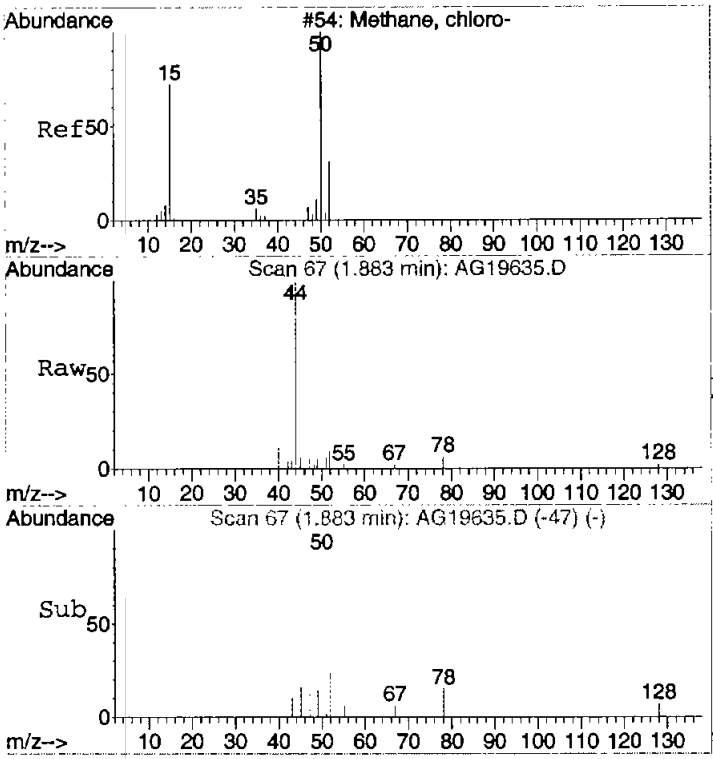
Data File : E:\DATA\11292004\AG19635.D
Acq On : 29 Nov 2004 4:56 pm
Sample : 124945-4 voa1050
Misc : water
MS Integration Params: RTEINT.P
Quant Time: Dec 1 17:06 2004

Vial: 10
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

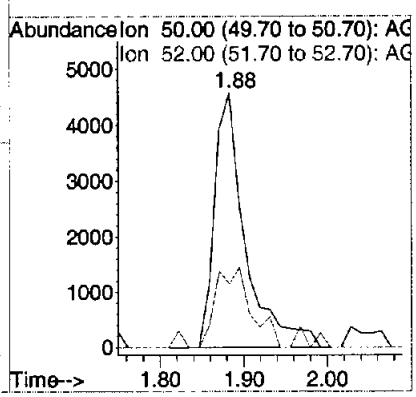


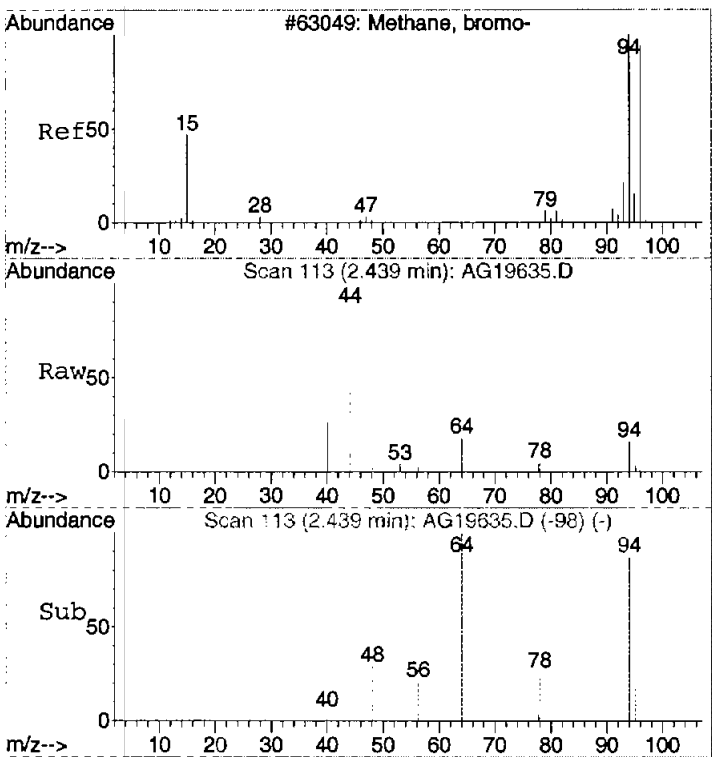


#3
Chloromethane
Concen: 0.17 ug/L
RT: 1.88 min Scan# 67
Delta R.T. 0.00 min
Lab File: AG19635.D
Acq: 29 Nov 2004 4:56 pm

Tgt Ion: 50 Resp: 11777

Ion	Ratio	Lower	Upper
50	100		
52	36.4	1.8	61.8

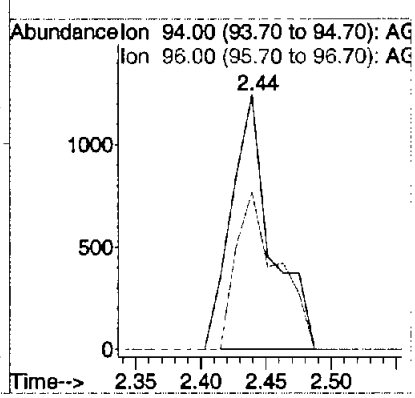


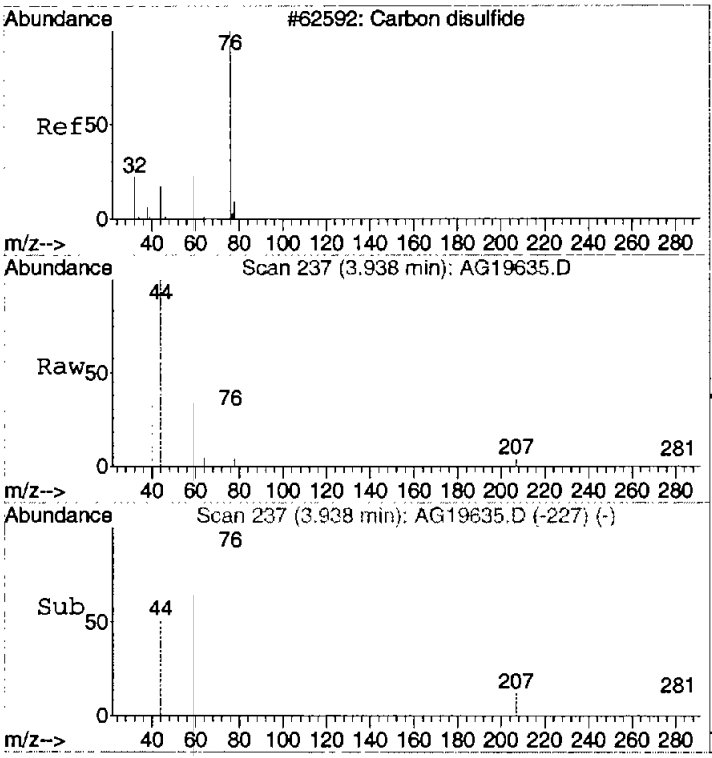


#5
Bromomethane
Concen: 0.42 ug/L
RT: 2.44 min Scan# 113
Delta R.T. 0.00 min
Lab File: AG19635.D
Acq: 29 Nov 2004 4:56 pm

Tgt Ion: 94 Resp: 2647

Ion	Ratio	Lower	Upper
94	100		
96	65.2	61.3	121.3

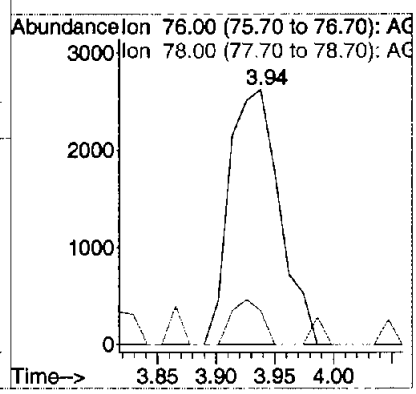


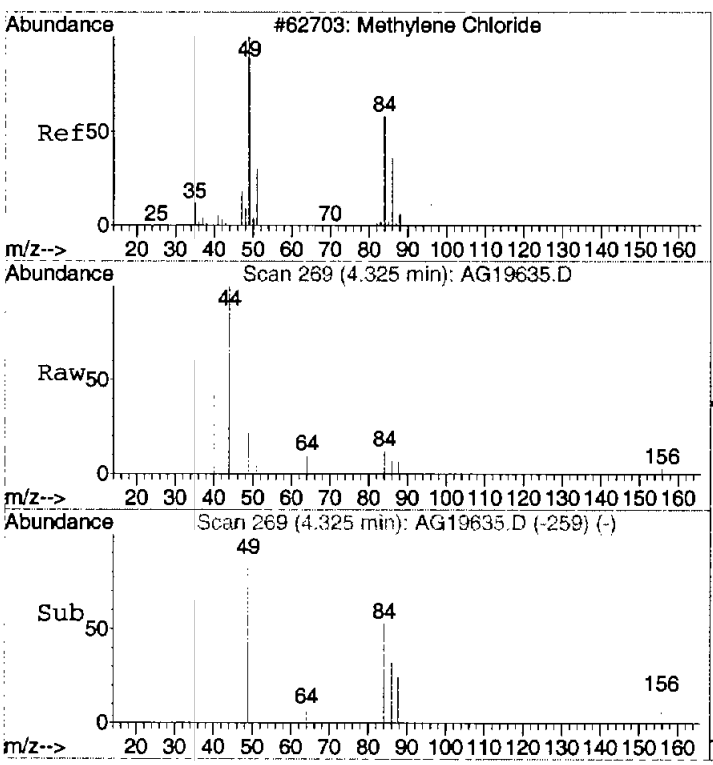


#12
Carbon Disulfide
Concen: 0.07 ug/L
RT: 3.94 min Scan# 237
Delta R.T. 0.00 min
Lab File: AG19635.D
Acq: 29 Nov 2004 4:56 pm

Tgt Ion: 76 Resp: 7812

Ion	Ratio	Lower	Upper
76	100		
78	10.8	0.0	39.4

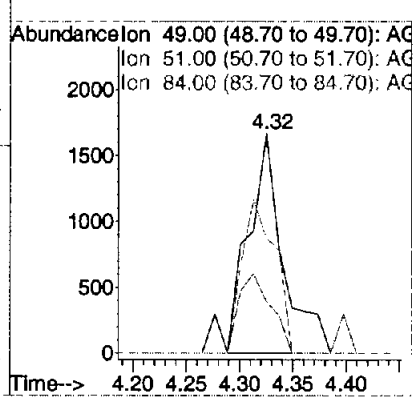


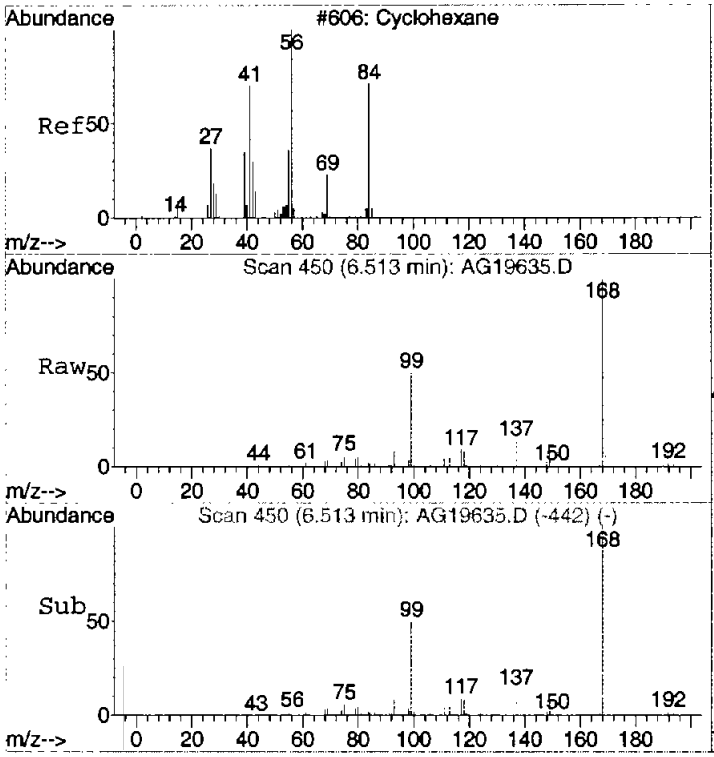


#15
Methylene Chloride
Concen: 0.09 ug/L
RT: 4.32 min Scan# 269
Delta R.T. -0.00 min
Lab File: AG19635.D
Acq: 29 Nov 2004 4:56 pm

Tgt Ion: 49 Resp: 3973

Ion	Ratio	Lower	Upper
49	100		
51	32.2	0.0	57.5
84	63.9	48.3	108.3

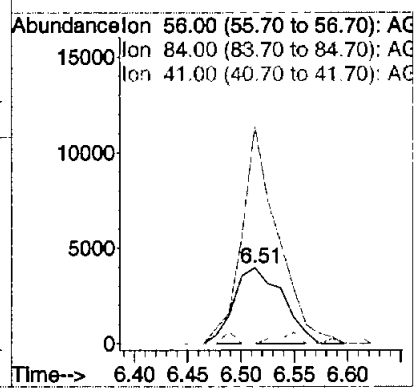


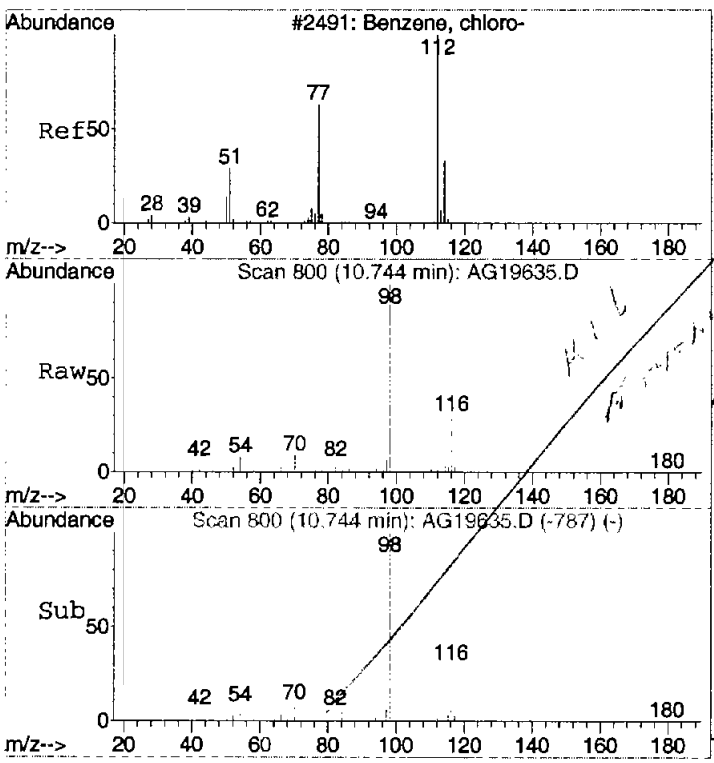


#32
Cyclohexane
Concen: 0.21 ug/L
RT: 6.51 min Scan# 450
Delta R.T. -0.02 min
Lab File: AG19635.D
Acq: 29 Nov 2004 4:56 pm

Tgt Ion: 56 Resp: 12687

Ion	Ratio	Lower	Upper
56	100		
84	212.2	53.0	113.0#
41	3.7	17.6	77.6#

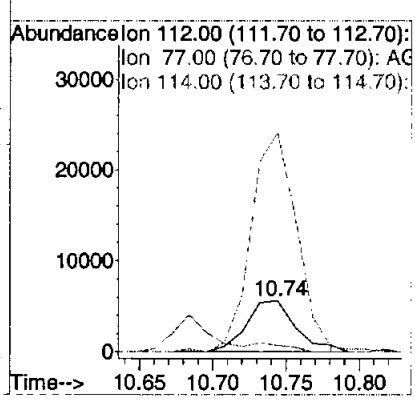


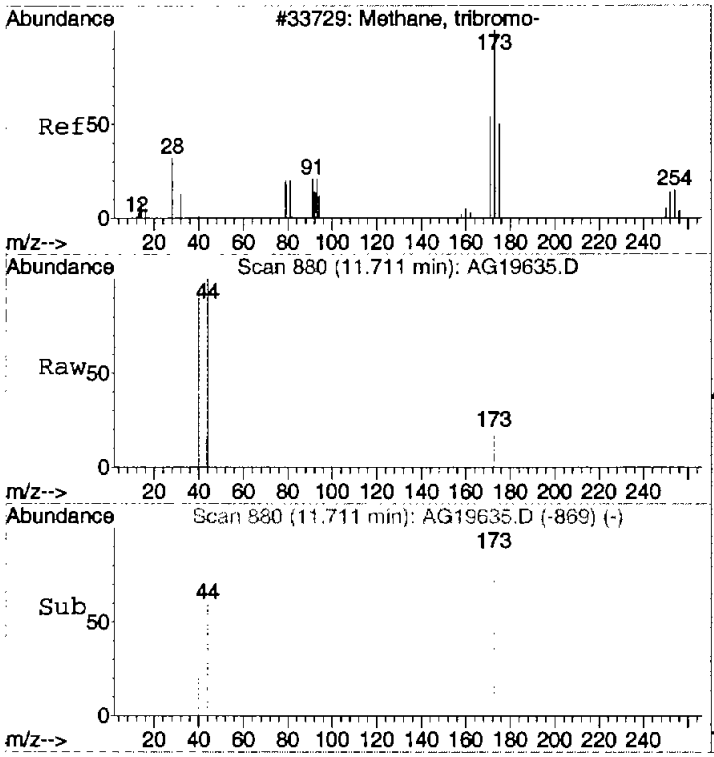


#64
Chlorobenzene
Concen: 0.13 ug/L
RT: 10.74 min Scan# 800
Delta R.T. 0.04 min
Lab File: AG19635.D
Acq: 29 Nov 2004 4:56 pm

Tgt Ion:112 Resp: 13298

Ion	Ratio	Lower	Upper
112	100		
77	0.0	24.7	84.7#
114	391.7	4.7	64.7#

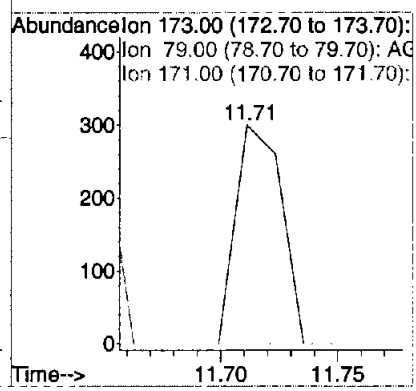


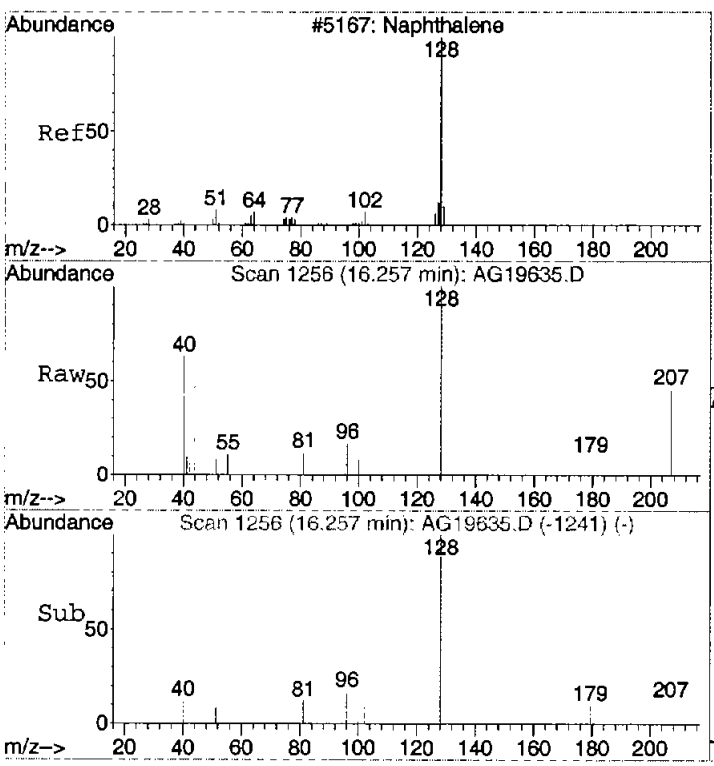


#70
Bromoform
Concen: 0.16 ug/L
RT: 11.71 min Scan# 880
Delta R.T. 0.01 min
Lab File: AG19635.D
Acq: 29 Nov 2004 4:56 pm

Tgt Ion:173 Resp: 407

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

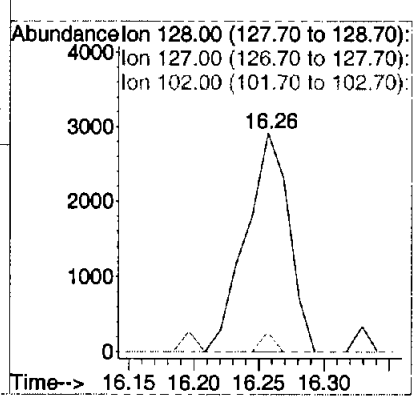




#93
Naphthalene
Concen: 0.06 ug/L
RT: 16.26 min Scan# 1256
Delta R.T. 0.00 min
Lab File: AG19635.D
Acq: 29 Nov 2004 4:56 pm

Tgt Ion:128 Resp: 6686

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	42.2
102	2.9	0.0	36.6



INITIAL CALIBRATION

00203

The following conditions apply to initial calibration 11022004_lowsoil_8260 for direct soil purge analysis:

11/5/2004

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.

00204

Sequence Log

Directory : g:\DATA\11022004

#	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

00205

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

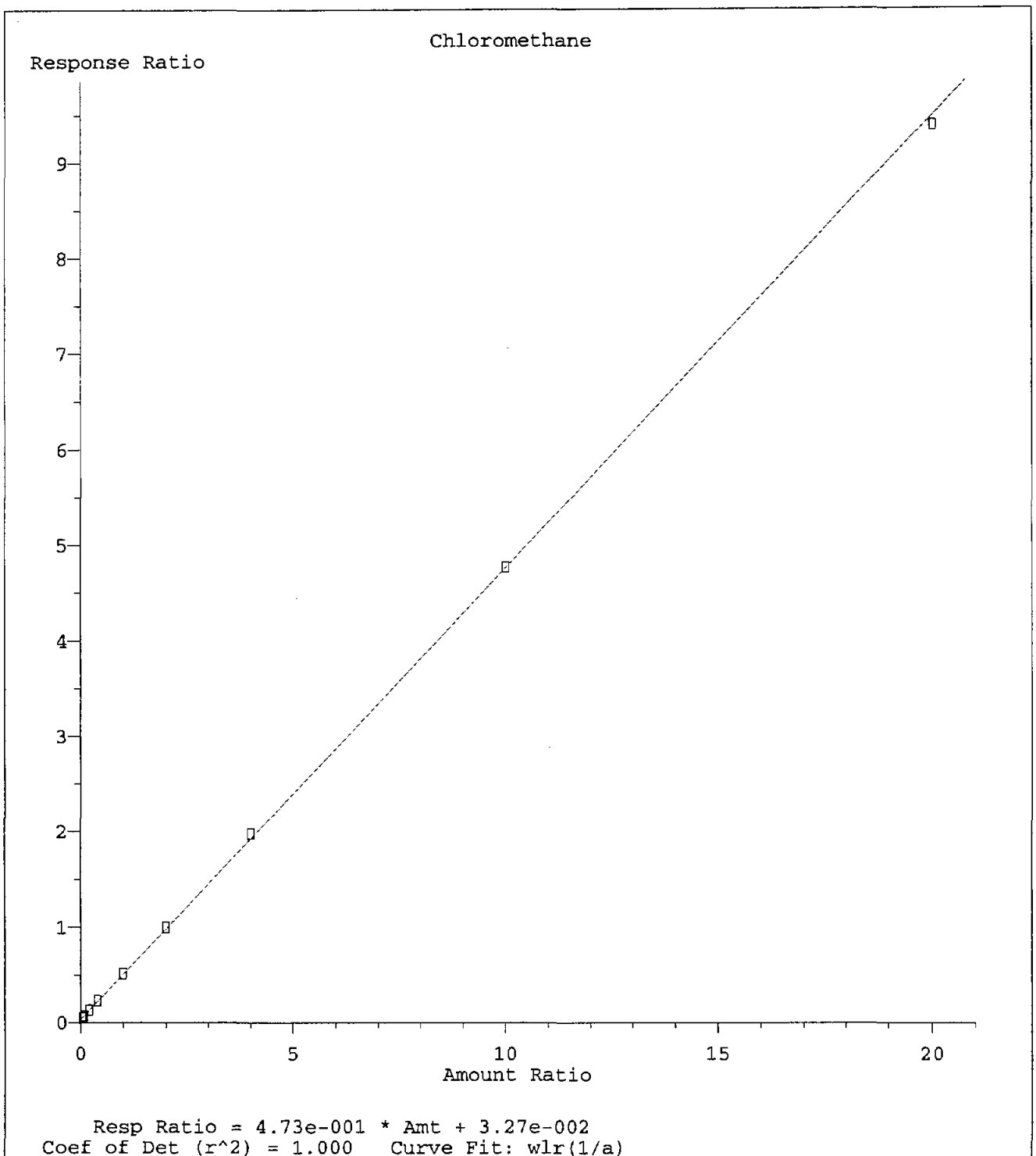
		Compound	0.4	0.8	2.0	4.0	10	20	Avg	%RSD
1)	I	Pentafluorobenzene(I)	----------	ISTD	----------					
2)	T	Dichlorodifluor	0.537	0.590	0.548	0.533	0.578	0.565	0.542	5.59
3)	TP	Chloromethane	1.224	0.866	0.659	0.582	0.517	0.500	0.643	39.15
4)	CT	Vinyl Chloride	0.353	0.379	0.345	0.385	0.378	0.371	0.374	5.51
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

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

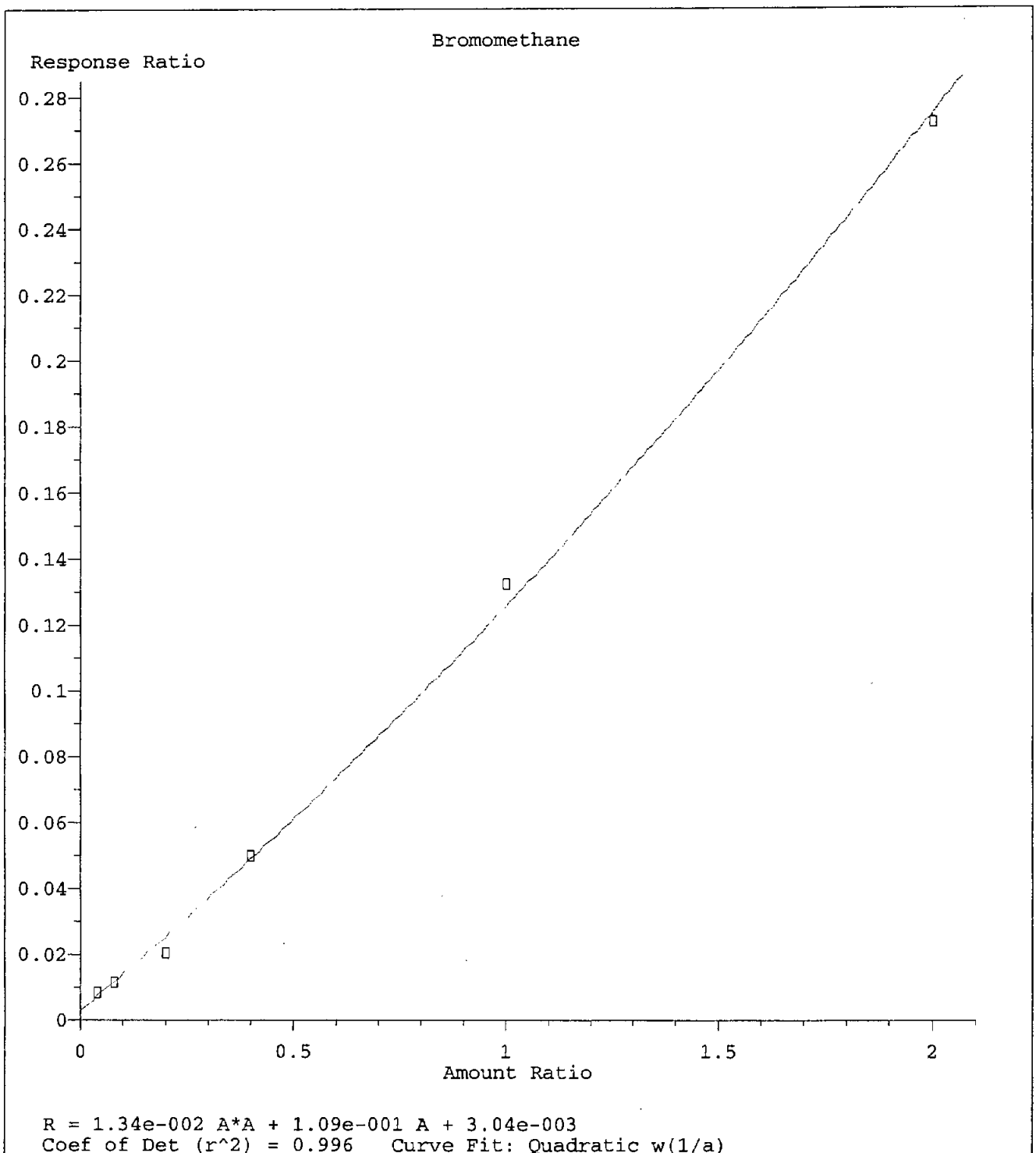
		Compound	0.4	0.8	2.0	4.0	10	20	Avg	%RSD
56)	MTP	Chlorobenzene	5.106	4.870	4.939	4.709	4.609	4.450	4.570	9.52
57)	T	1,1,1,2-Tetrach	1.414	1.572	1.467	1.413	1.492	1.481	1.477	4.42
58)	CT	Ethylbenzene	7.843	7.585	7.708	7.571	7.548	7.459	7.293	12.91
59)	T	m,p-Xylene	3.022	2.954	3.086	2.987	3.022	2.975	2.919	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 ###



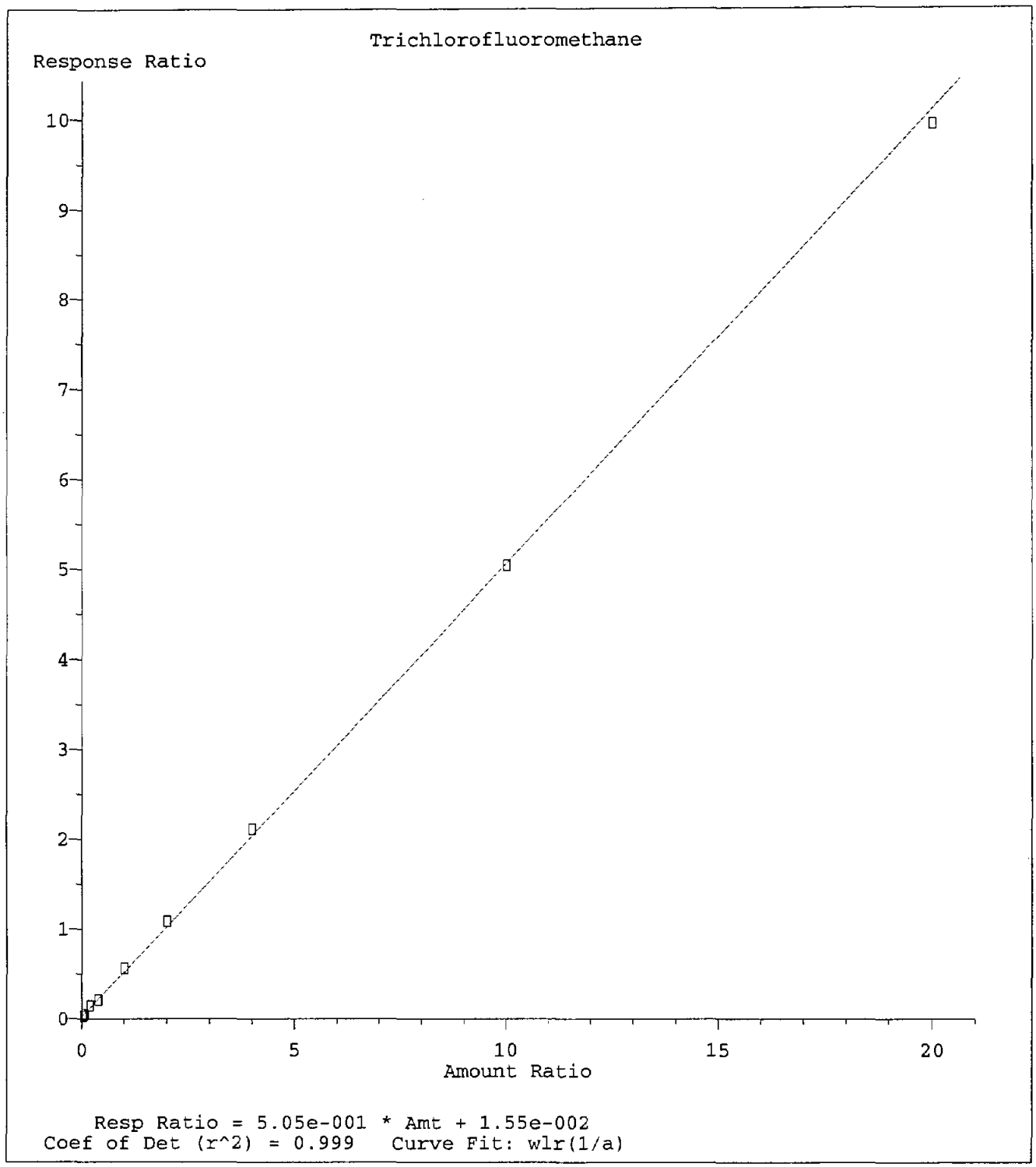
Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004

00208



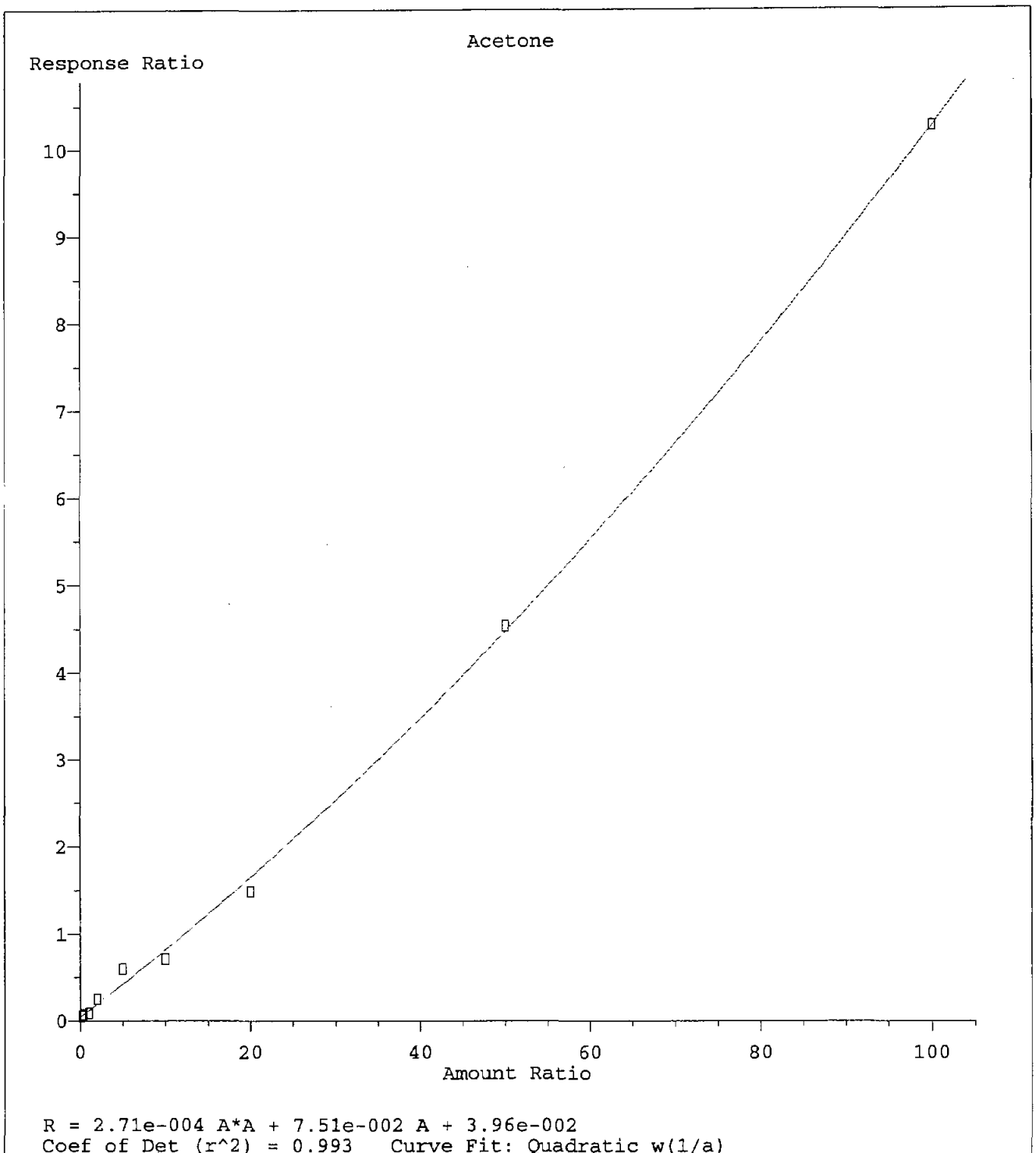
Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004

00209

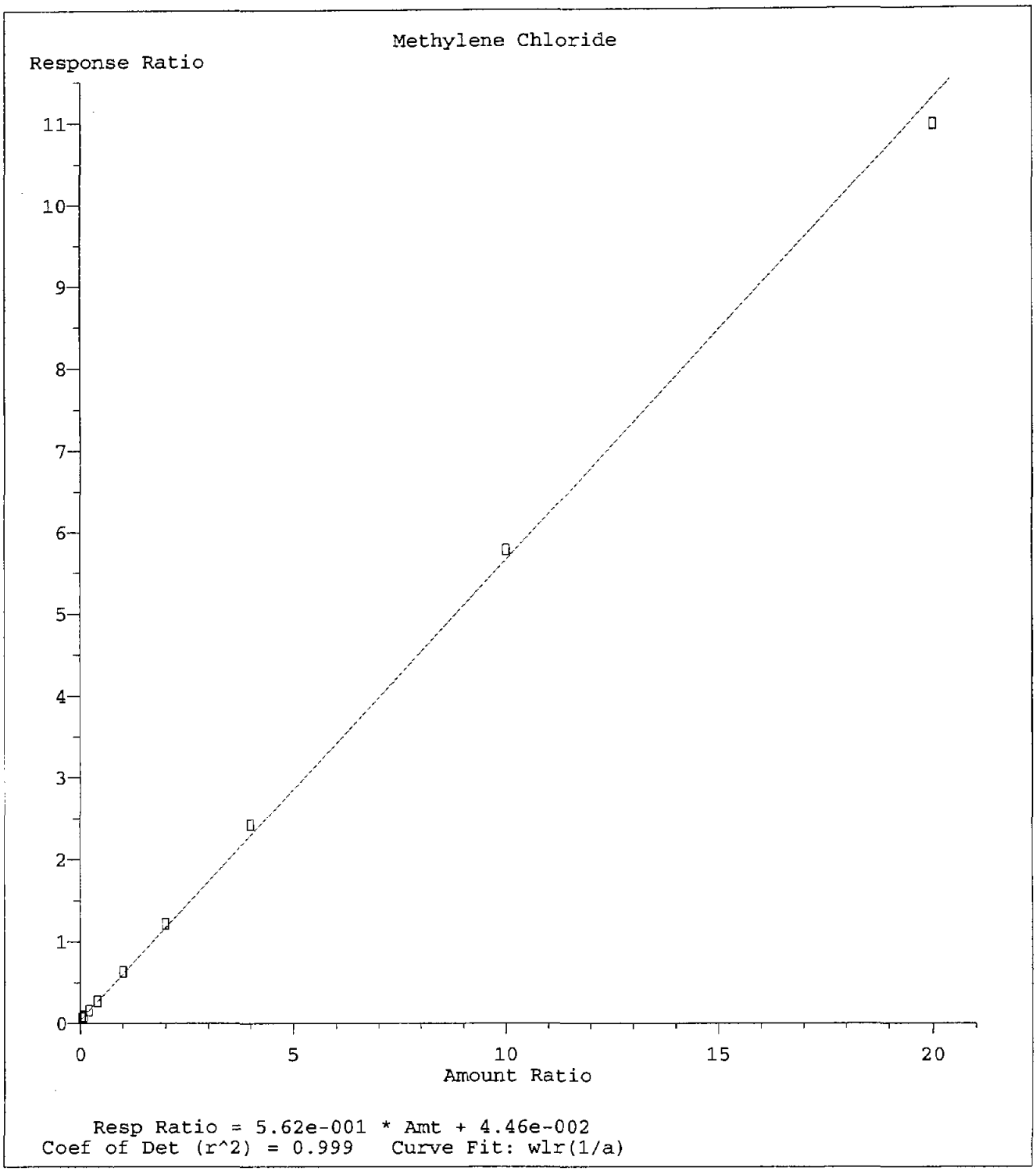


Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004

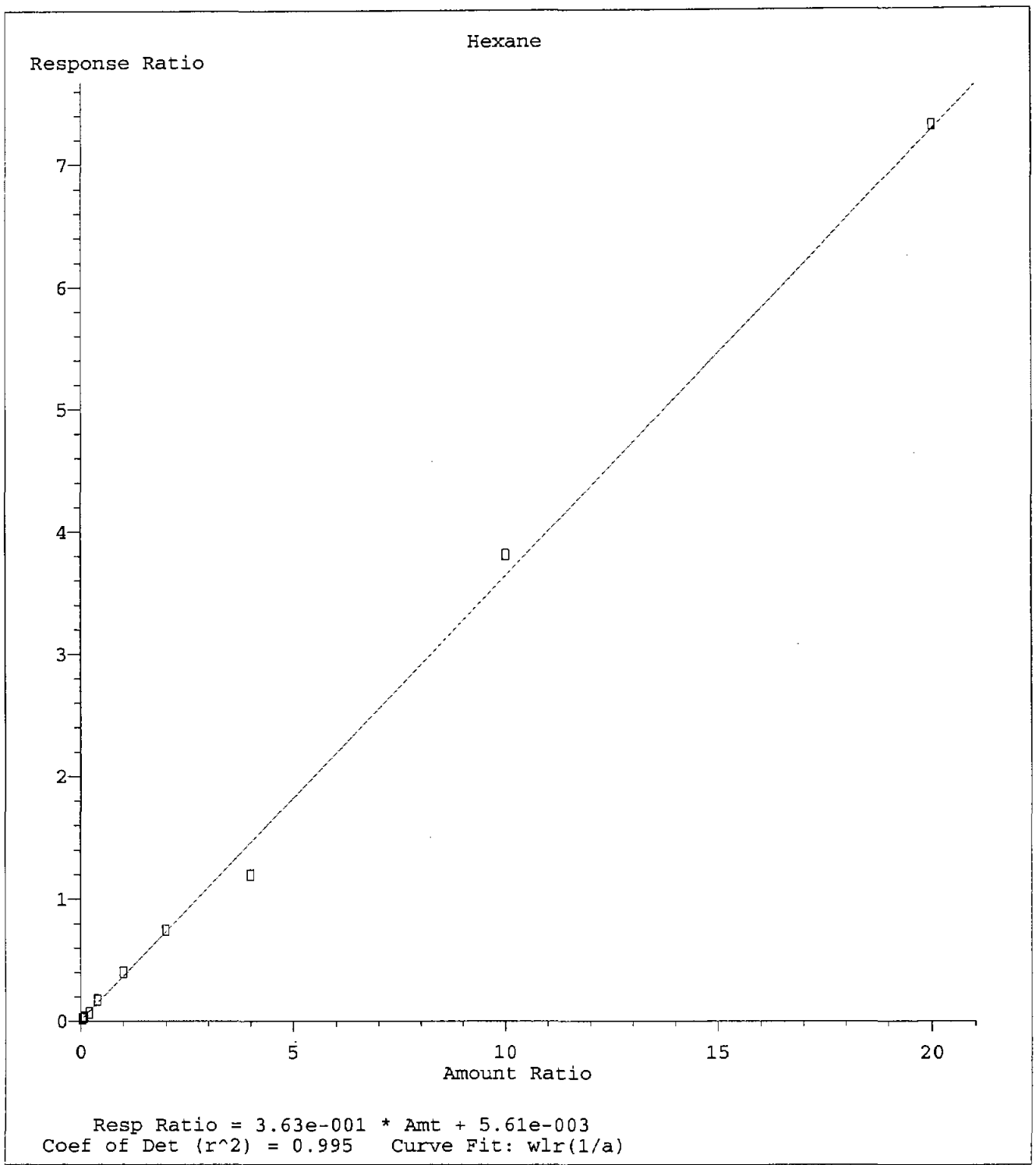
00210



Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004

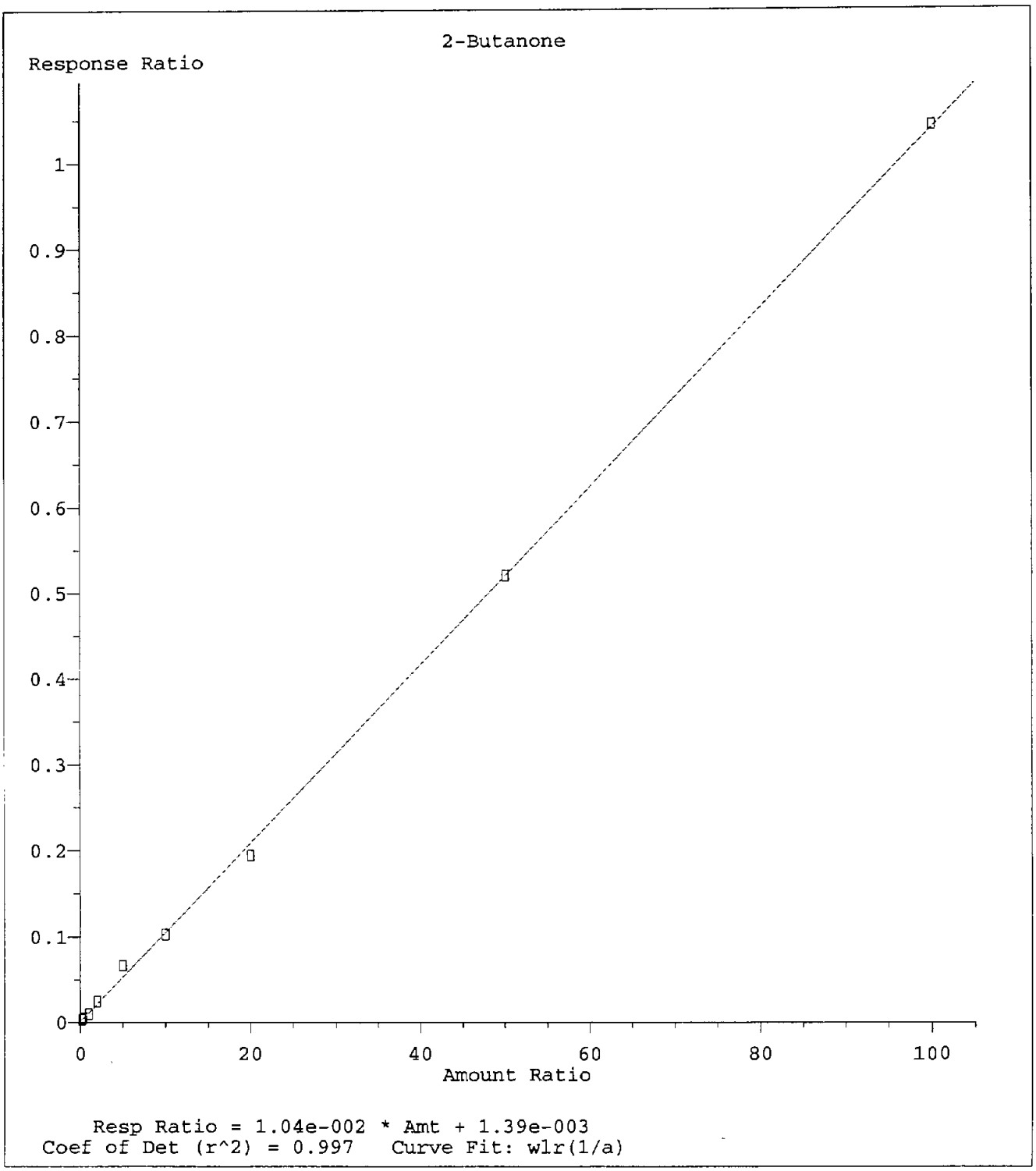


Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004

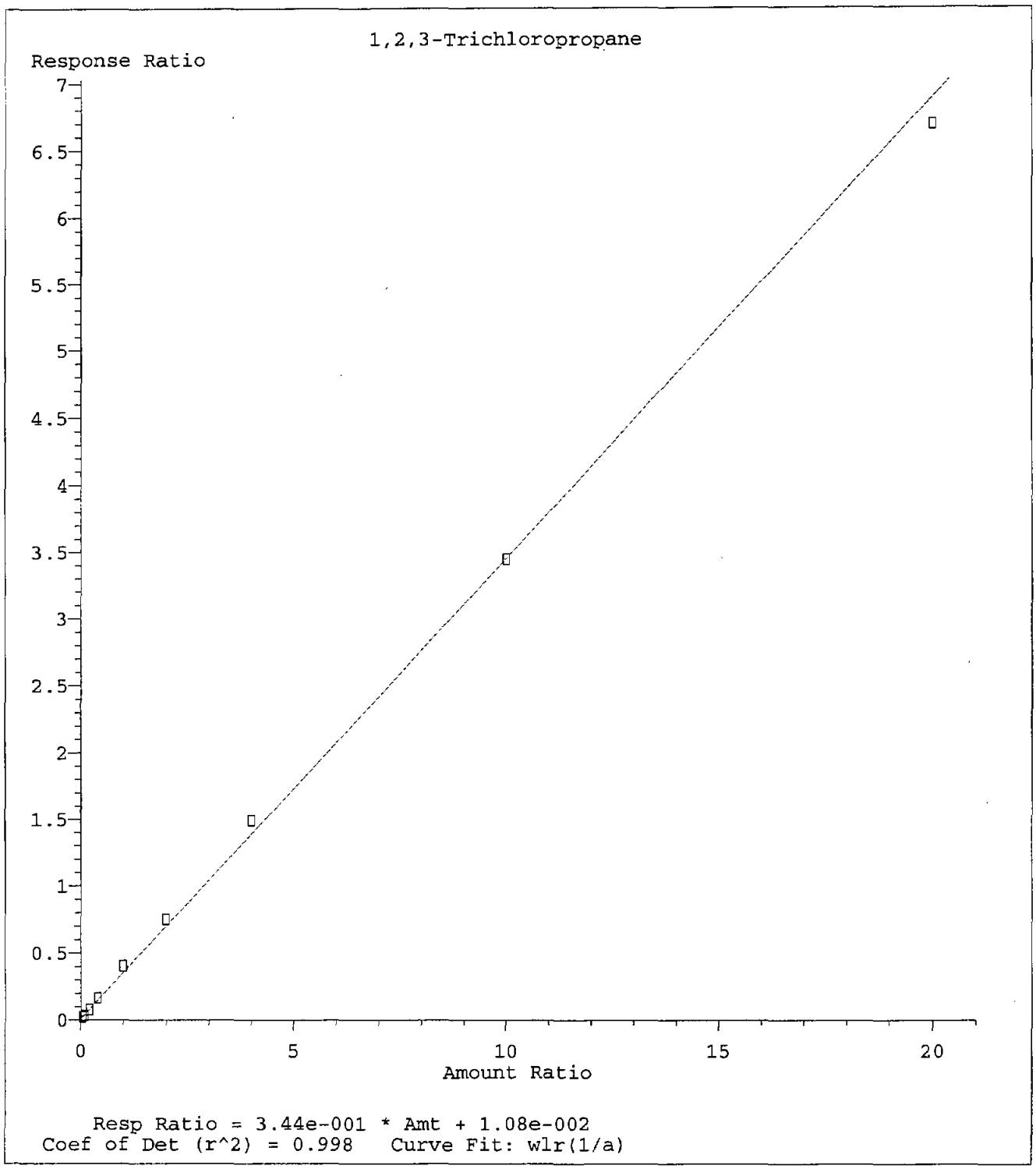


Method Name: E:\METHODS\11022004_LOWSOIL_8260.M
Calibration Table Last Updated: Tue Nov 02 17:54:18 2004

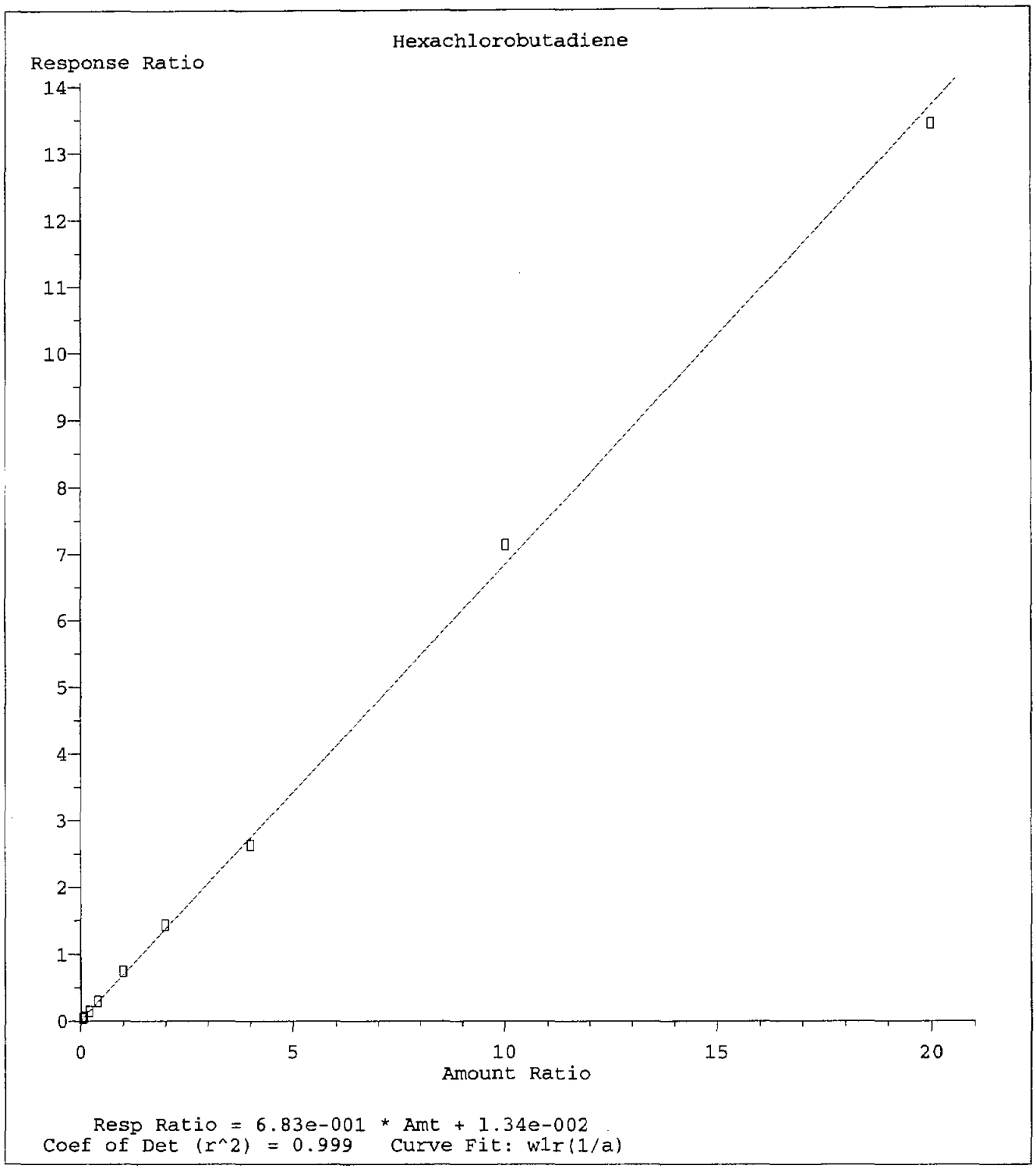
00213



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
AG19212.D 11022004_LOWSOIL_8260.M Fri Nov 05 16:20:59 2004 Page 1

00217

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

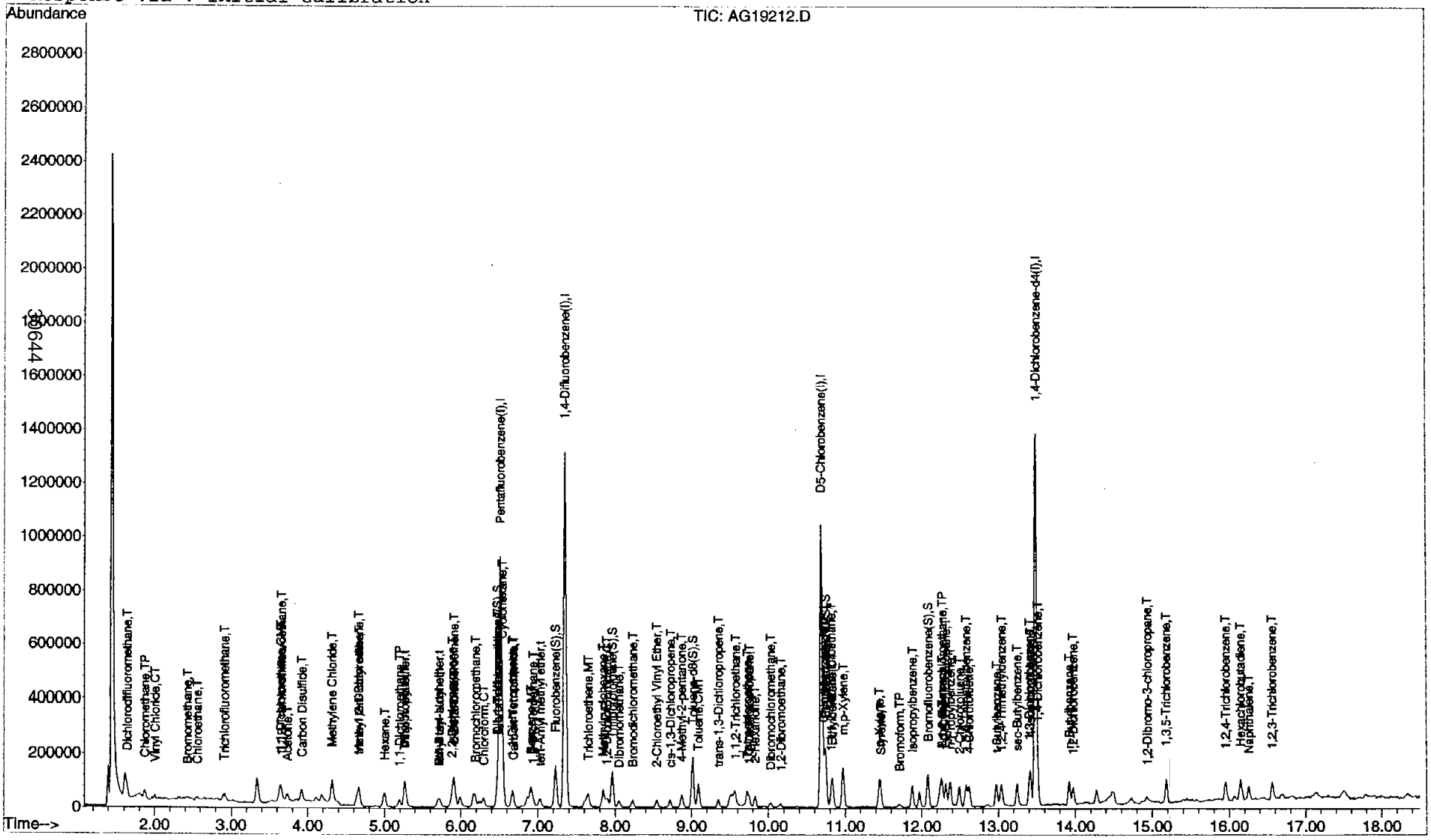
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	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

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



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

30646

(#) = qualifier out of range (m) = manual integration

00220

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

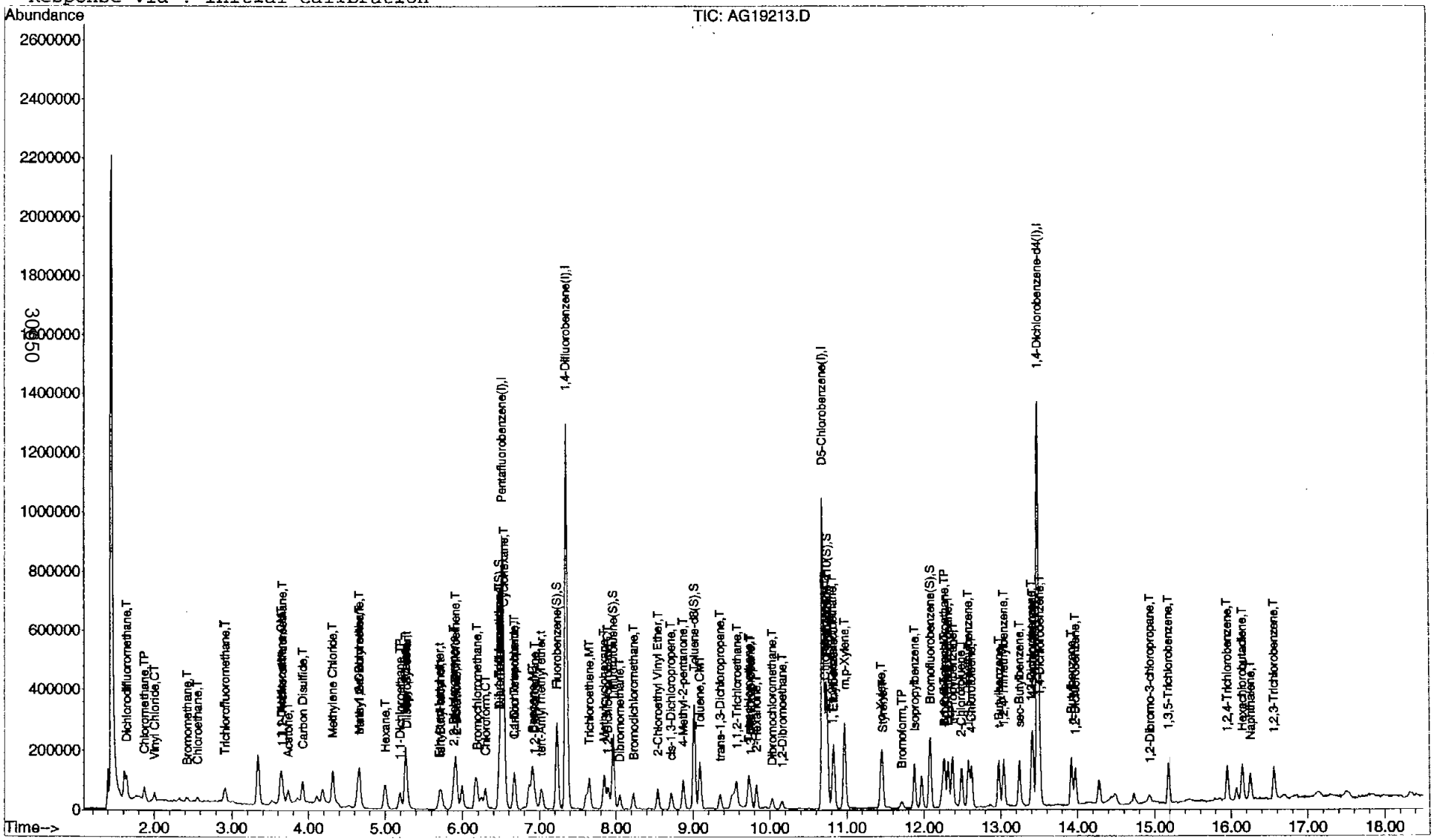
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	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

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 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



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

30652

(#) = qualifier out of range (m) = manual integration

00223

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

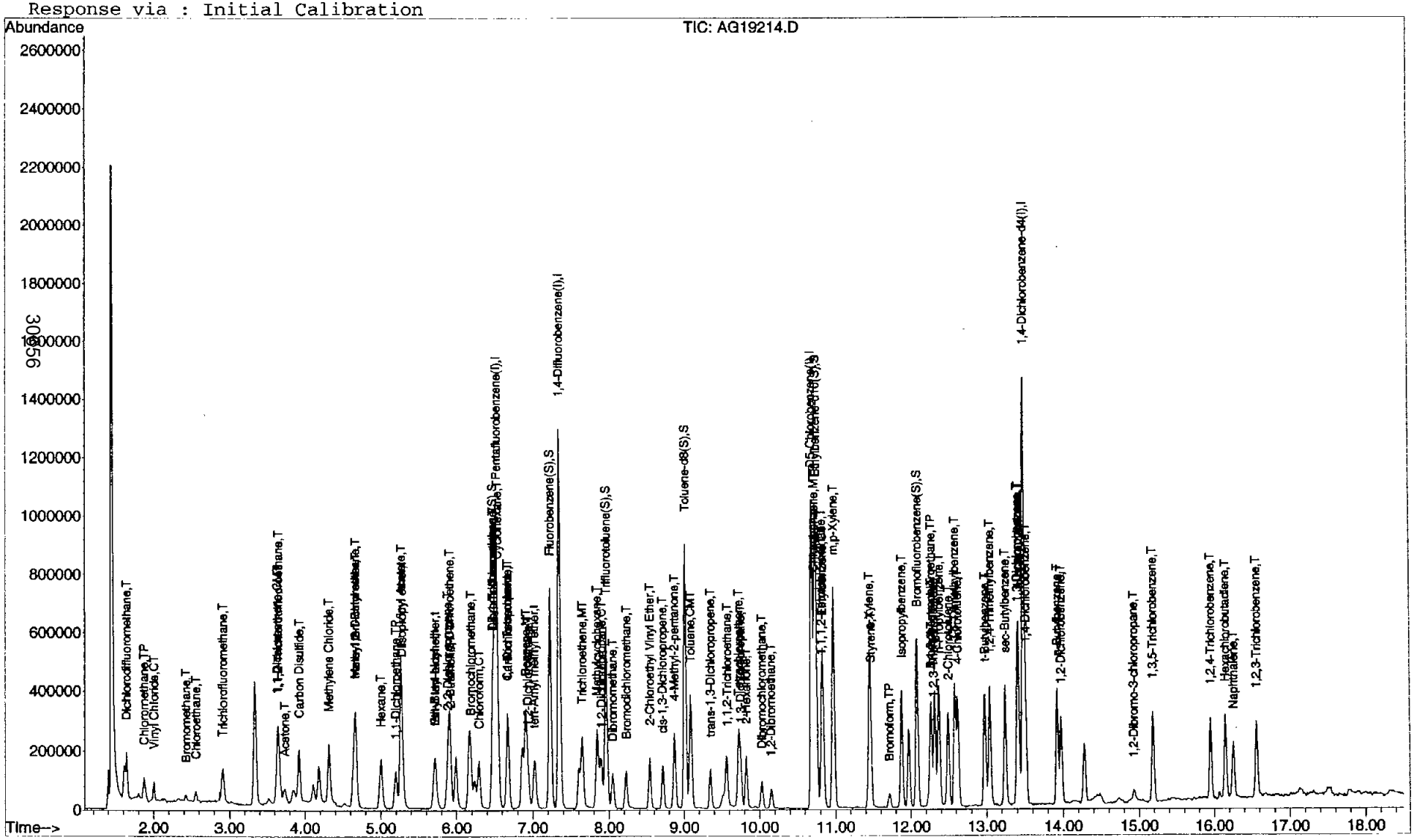
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	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

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 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



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19215.D Vial: 7
Acq On : 2 Nov 2004 2:09 pm Operator: frz
Sample : 4.0 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496104 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:18 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	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

30658

(#) = qualifier out of range (m) = manual integration

00226

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19215.D Vial: 7
Acq On : 2 Nov 2004 2:09 pm Operator: frz
Sample : 4.0 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496104 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:18 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	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

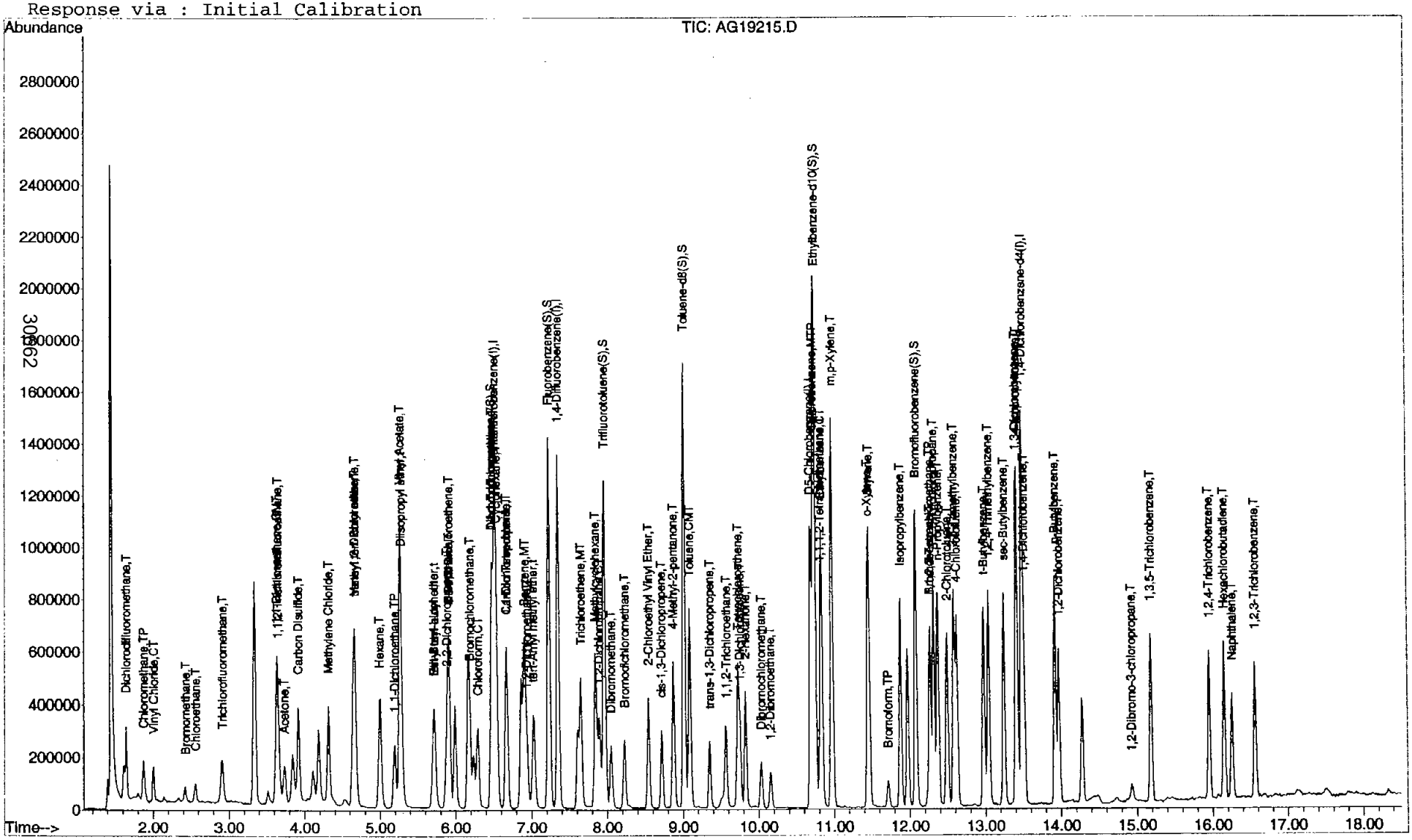
Quantitation Report (Not Reviewed)

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



00228

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

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

30664

(#) = qualifier out of range (m) = manual integration

00229

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

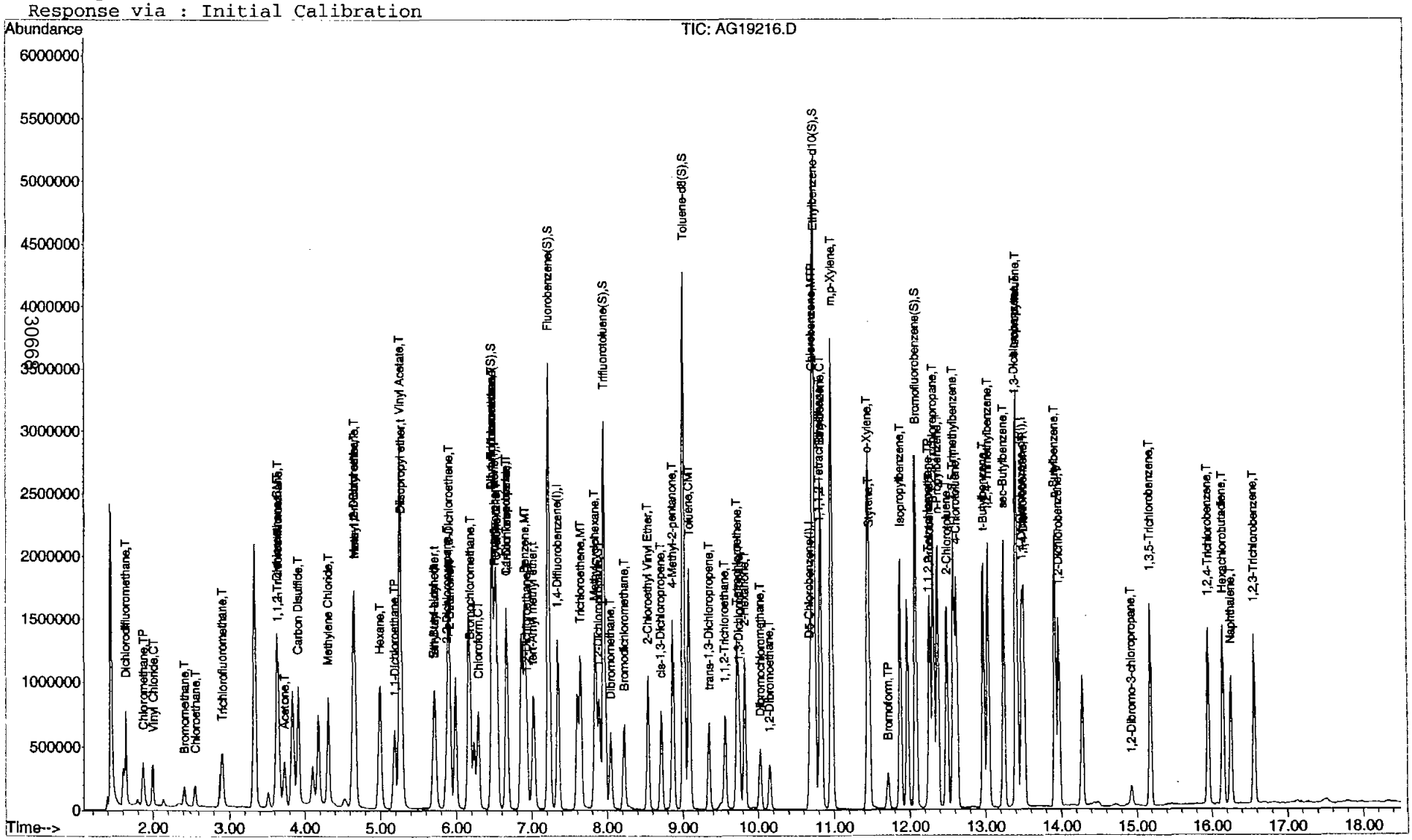
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	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

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 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



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

30670

(#) = qualifier out of range (m) = manual integration

00232

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

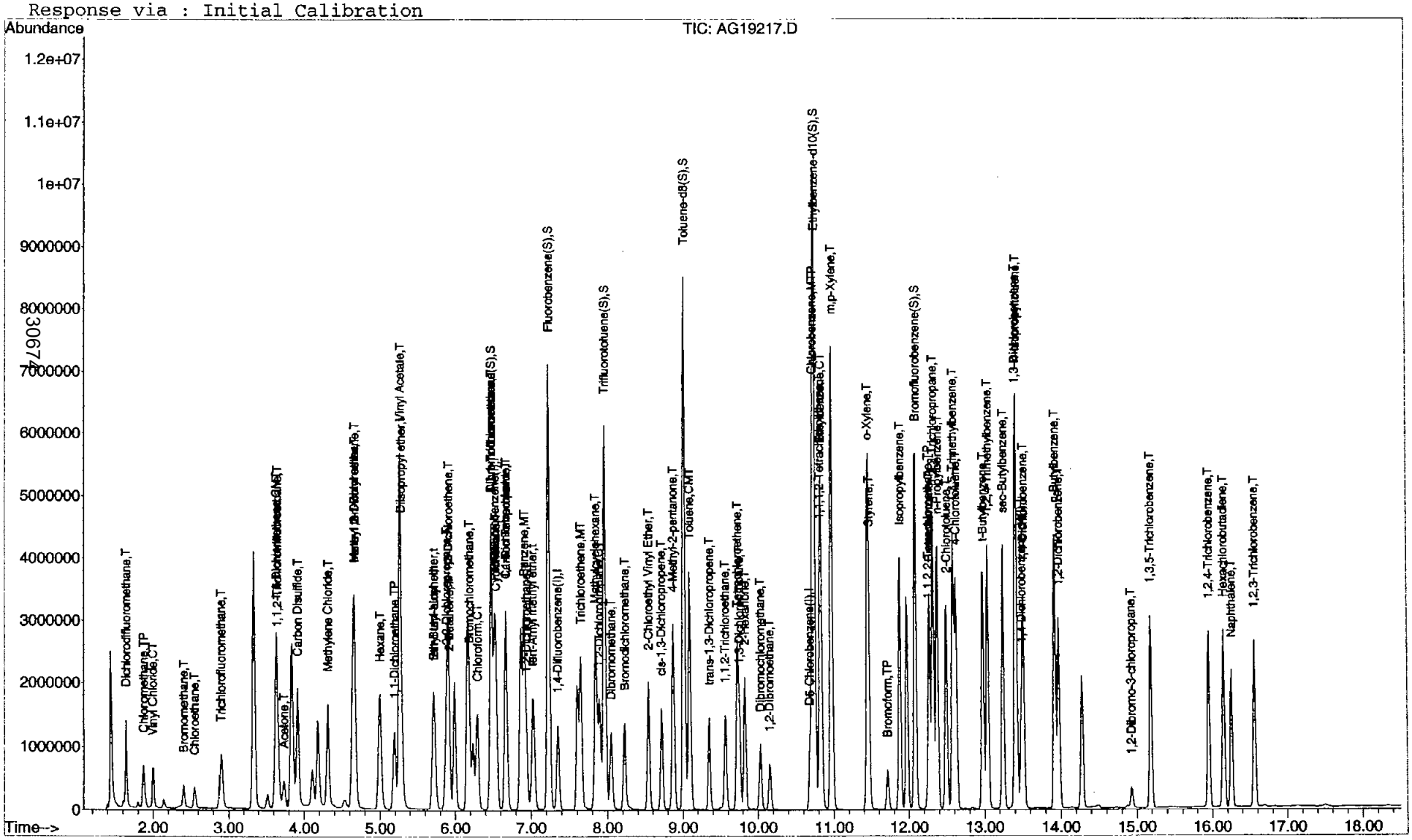
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	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

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



AG19217.D 11022004_LOWSOIL_8260.M Fri Nov 05 16:21:37 2004 Page 3

P2200

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

30676

(#) = qualifier out of range (m) = manual integration

00235

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

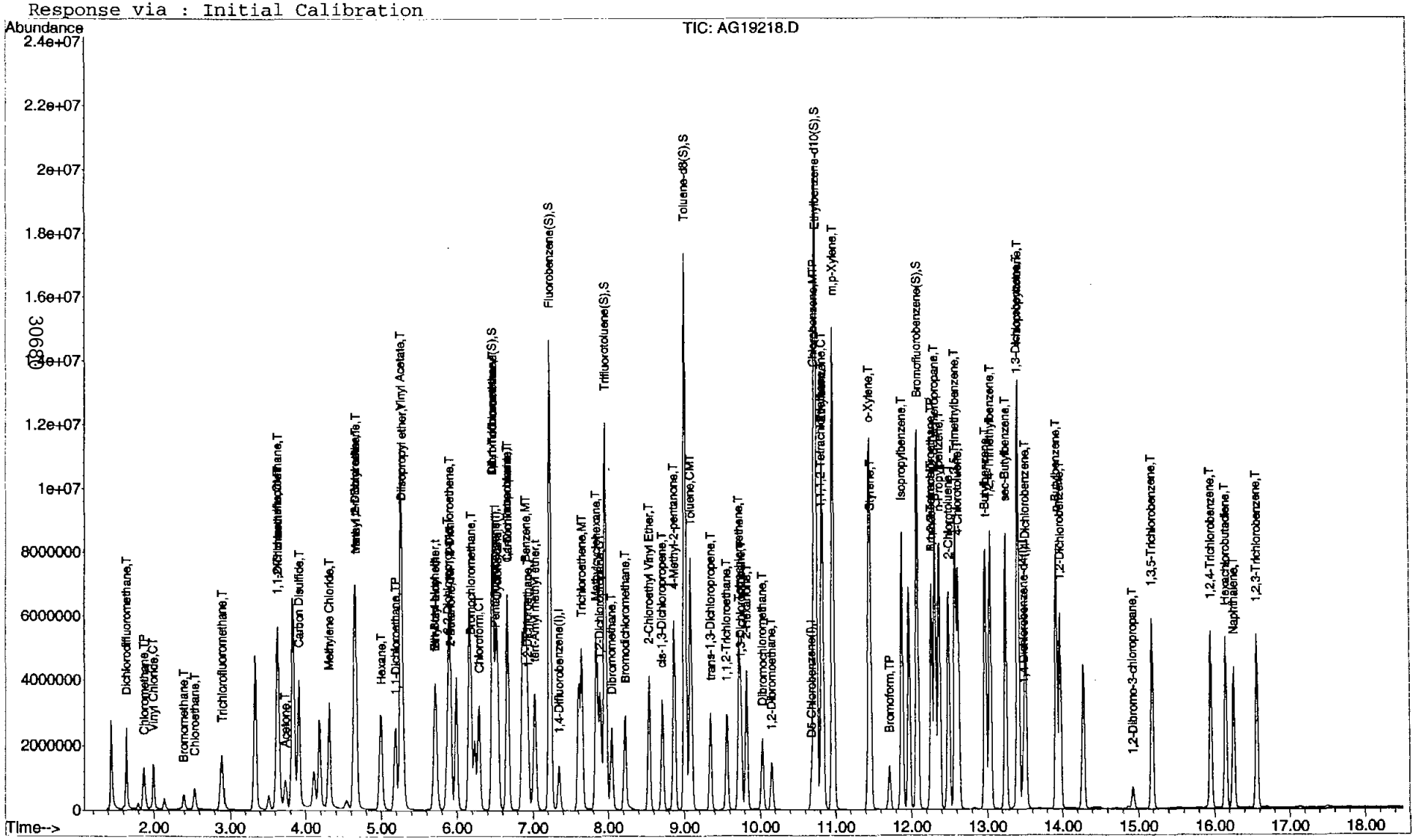
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	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

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 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



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19219.D Vial: 11
Acq On : 2 Nov 2004 3:51 pm Operator: frz
Sample : 100 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496108 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:49 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	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

(#) = qualifier out of range (m) = manual integration

00238

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19219.D Vial: 11
Acq On : 2 Nov 2004 3:51 pm Operator: frz
Sample : 100 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496108 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 05 16:21:49 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

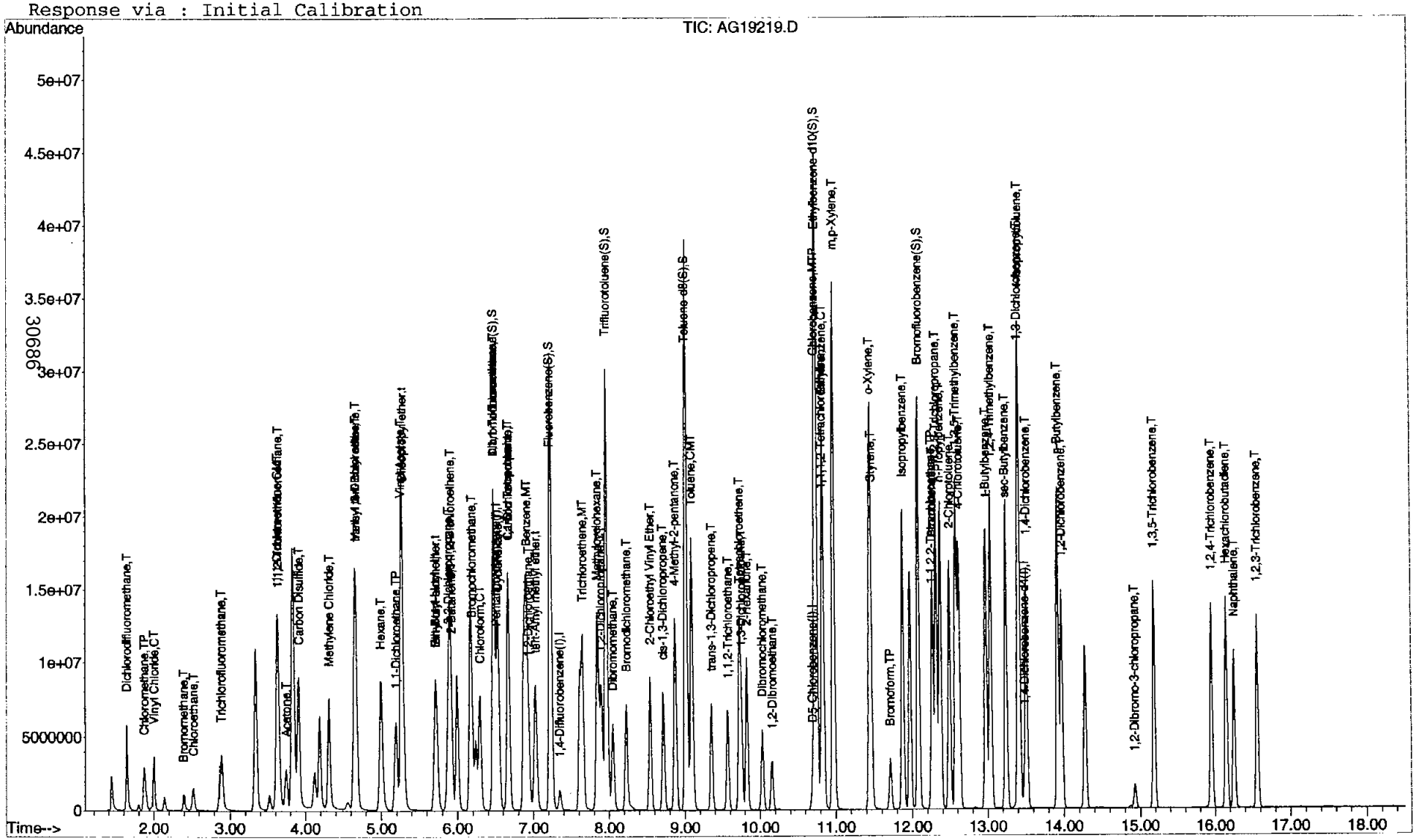
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	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

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11022004\AG19219.D Vial: 11
Acq On : 2 Nov 2004 3:51 pm Operator: frz
Sample : 100 ug/Kg initial calibration Inst : VOAInst#3
Misc : solid #5.000 12496108 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



00240

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

30688

(#) = qualifier out of range (m) = manual integration

00241

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

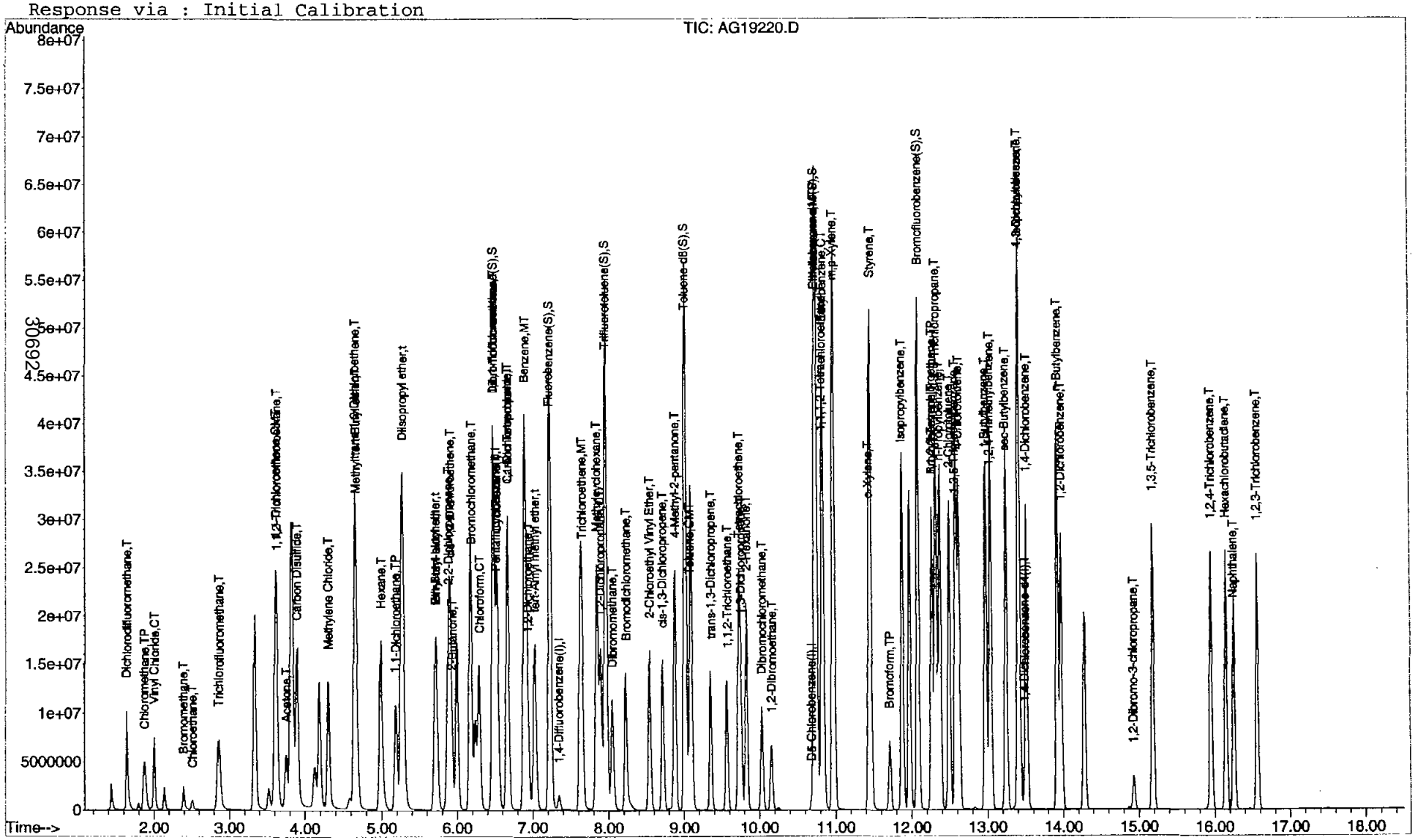
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	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

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 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



Quantitation Report (Not Reviewed)

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
Quant Time: Nov 05 16:22:05 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	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

(#) = qualifier out of range (m) = manual integration

00244

Quantitation Report (Not Reviewed)

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
Quant Time: Nov 05 16:22:05 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	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

STL-Seattle

Instrument:	ITS-40/HP5973N
Method:	5035/8260b
Matrix:	solid
Analyst:	frz/st
Date Prepared:	3/24/2003
Date Analyzed:	
Units:	ug/Kg

lts_40_h	
5035_826	
solid	
frz_st	
0	
lts_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	0.46	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	111.67	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	100.66	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

00246

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
t-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	101.46	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	103.76	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

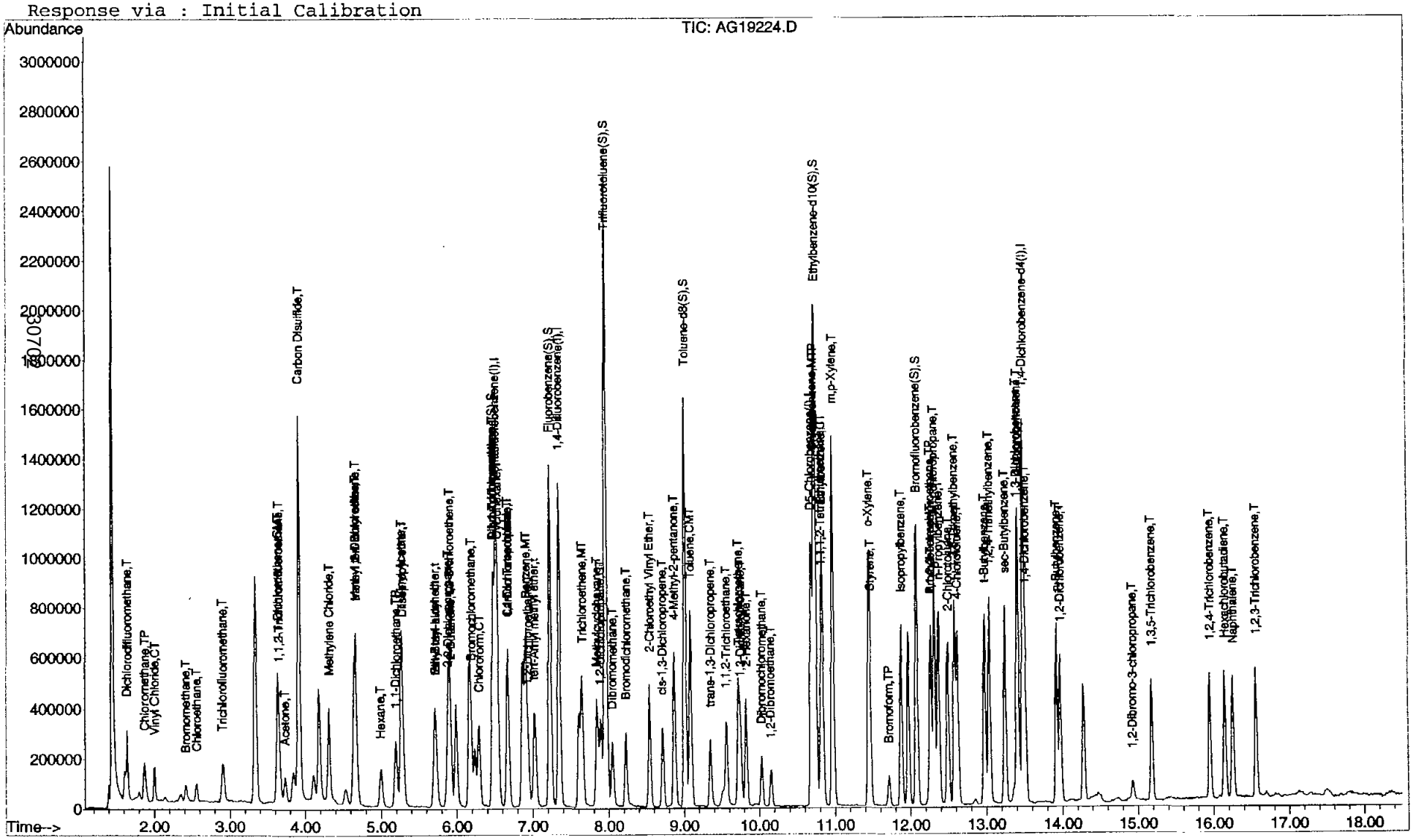
Quantitation Report (Not Reviewed)

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



00248

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

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

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)
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 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
Quant Time: Nov 05 16:22:12 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	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
AG19225.D 11022004_LOWSOIL_8260.M Fri Nov 05 16:22:15 2004 Page 1

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Quantitation Report (Not Reviewed)

ile : E:\DATA\11022004\AG19225.D Vial: 16
: 2 Nov 2004 6:25 pm Operator: frz
: 4.0 ug/Kg ICV/bsd voa1008 Inst : VOAInst#3
: solid #5.000 12496110 Multiplr: 1.00
egration Params: RTEINT.P
Time: Nov 05 16:22:12 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
: VOA by Method 5035/8260B:Direct Soil Purge
odate : Tue Nov 02 17:54:18 2004
se via : Initial Calibration
q Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
2-Chloroethyl Vinyl Ether	8.54	63	198292	24.22	ug/Kg#	1
cis-1,3-Dichloropropene	8.71	75	237394	4.35	ug/Kg	98
4-Methyl-2-pentanone	8.87	85	85126	21.86	ug/Kg	91
Toluene	9.09	91	752691	4.38	ug/Kg	98
trans-1,3-Dichloropropene	9.35	75	185655	4.11	ug/Kg	93
,1,2-Trichloroethane	9.57	97	139034	4.52	ug/Kg	90
Tetrachloroethene	9.73	164	167574	4.41	ug/Kg	94
,3-Dichloropropane	9.75	76	221940	4.56	ug/Kg	94
2-Hexanone	9.83	85	27151	18.74	ug/Kg#	92
Dibromochloromethane	10.03	129	126109	4.10	ug/Kg	98
,2-Dibromoethane	10.15	107	128069	4.53	ug/Kg	99
Chlorobenzene	10.72	112	498664	4.23	ug/Kg	94
,1,1,2-Tetrachloroethane	10.82	131	157790	4.14	ug/Kg	94
Ethylbenzene	10.83	91	815871	4.33	ug/Kg	100
m,p-Xylene	10.97	106	641027	8.51	ug/Kg	98
o-Xylene	11.45	91	608841	4.20	ug/Kg	97
Styrene	11.47	104	421092	3.67	ug/Kg	89
Bromoform	11.71	173	67723	3.71	ug/Kg	99
Isopropylbenzene	11.88	105	689167	3.76	ug/Kg	96
Bromobenzene	12.27	156	201417	4.19	ug/Kg#	78
,1,2,2-Tetrachloroethane	12.26	83	229962+	4.04	ug/Kg	98
,2,3-Trichloropropane	12.32	110	42168	4.43	ug/Kg	97
n-Propylbenzene	12.38	91	960475	4.28	ug/Kg	99
2-Chlorotoluene	12.50	126	200920	4.20	ug/Kg	94
-Chlorotoluene	12.62	126	192419	4.04	ug/Kg#	81
,3,5-Trimethylbenzene	12.58	105	635362	4.24	ug/Kg	100
-Butylbenzene	12.98	119	574949	4.13	ug/Kg	96
2,4-Trimethylbenzene	13.04	105	661754	4.34	ug/Kg	98
ec-Butylbenzene	13.25	105	864524	4.47	ug/Kg	99
Isopropyltoluene	13.42	119	687001	4.07	ug/Kg	98
3-Dichlorobenzene	13.40	146	383855	4.21	ug/Kg	99
4-Dichlorobenzene	13.51	146	375488	4.09	ug/Kg	96
Butylbenzene	13.92	134	177441	4.21	ug/Kg	97
-Dichlorobenzene	13.97	146	346108	4.09	ug/Kg	97
-Dibromo-3-chloropropan	14.93	75	20816	4.14	ug/Kg	89
,5-Trichlorobenzene	15.18	180	279715	3.89	ug/Kg	100
4-Trichlorobenzene	15.95	180	257180	4.11	ug/Kg	93
chlorobutadiene	16.15	225	167108	4.26	ug/Kg	89
thalene	16.26	128	505576	4.58	ug/Kg	97
3-Trichlorobenzene	16.56	180	237700	4.00	ug/Kg	98

er out of range (m) = manual integration (+) = signals summed
022004_LOWSOIL_8260.M Fri Nov 05 16:22:15 2004

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

Percent Recovery | RESULTS | Datafile

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	xxxxxx	fail	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	65.86	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	112.66	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	102.96	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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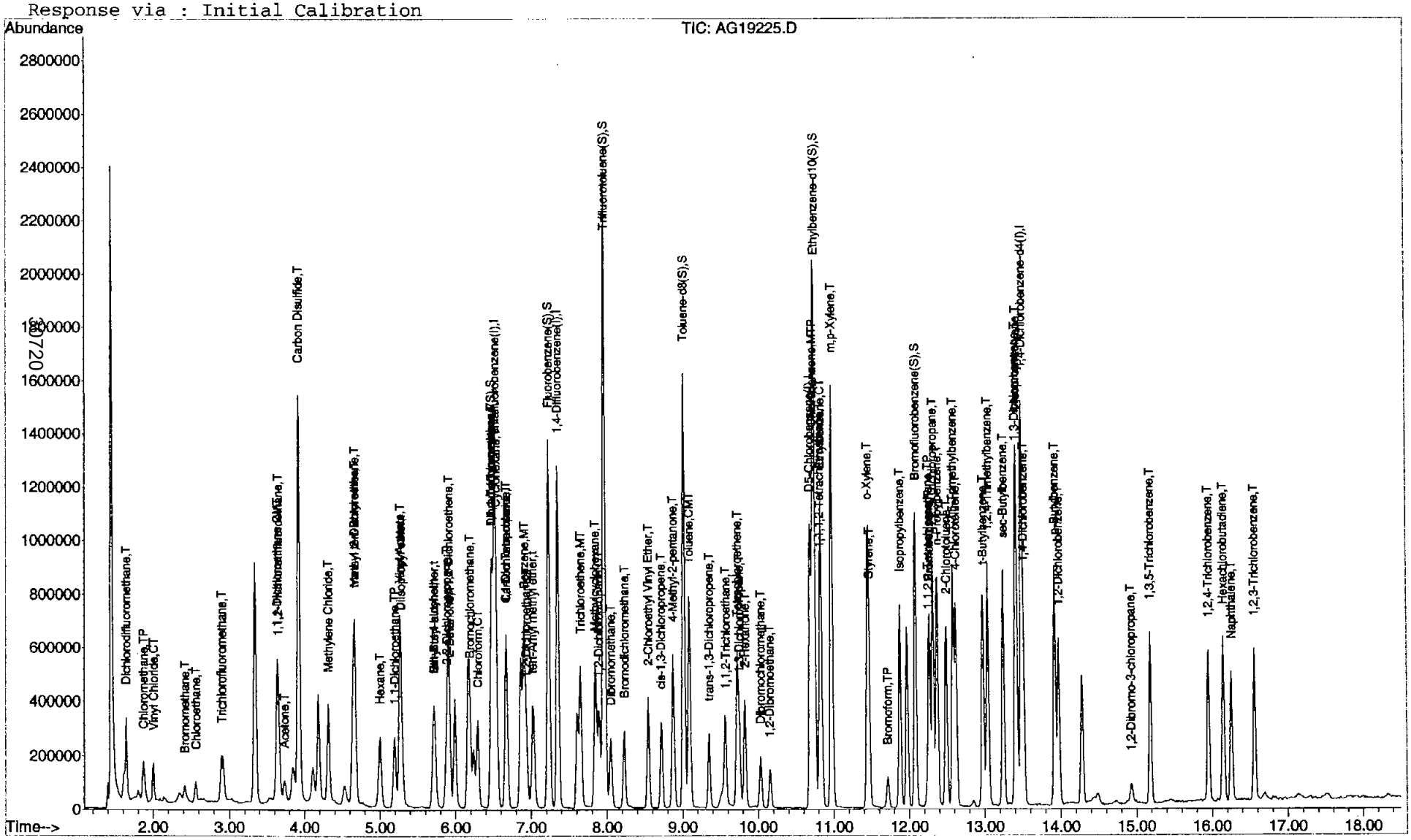
1,3,5-Trimethylbenzene	4	0.45	98.89	3.96	132.30	121.16	76.62	65.48	105.95	pass	4.2381
4-Chlorotoluene	4	0.47	97.91	3.92	133.37	121.55	74.28	62.46	100.90	pass	4.0359
t-Butylbenzene	4	0.41	98.31	3.93	128.97	118.75	77.87	67.65	103.36	pass	4.1343
1,2,4-Trimethylbenzene	4	0.48	103.52	4.14	139.67	127.62	79.43	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

Quantitation Report (Not Reviewed)

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
Quant Time: Nov 5 16:22 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



Evaluate Continuing Calibration Report

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

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)
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

00258

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
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

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	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

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

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

00262

Sequence Log

Directory : 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

00263

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 ###

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 ###

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19599.D Vial: 4
Acq On : 23 Nov 2004 11:28 am Operator: frz
Sample : 0.1 ug/L MDL check Inst : VOAInst#3
Misc : water 12496308 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:49:55 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	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

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000266

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19599.D Vial: 4
Acq On : 23 Nov 2004 11:28 am Operator: frz
Sample : 0.1 ug/L MDL check Inst : VOAInst#3
Misc : water 12496308 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:49:55 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

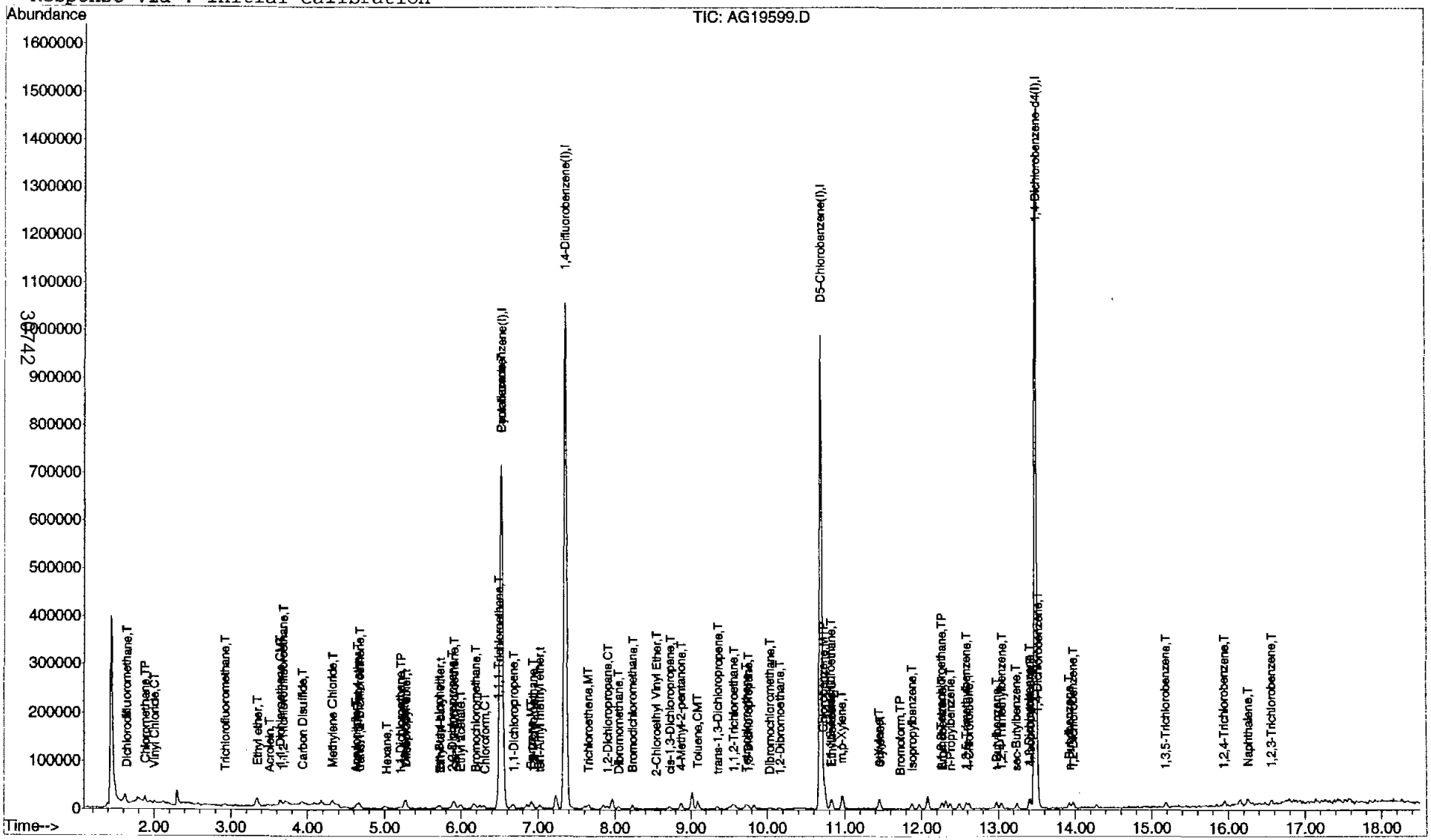
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
52)	4-Methyl-2-pentanone	8.87	85	2639	0.56	ug/L	#	51
54)	Toluene	9.09	91	13817	0.09	ug/L		92
55)	trans-1,3-Dichloropropene	9.35	75	3588	0.08	ug/L	#	61
56)	1,1,2-Trichloroethane	9.56	97	2538	0.08	ug/L		97
57)	Tetrachloroethene	9.73	164	2601	0.08	ug/L	#	80
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

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

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19599.D Vial: 4
Acq On : 23 Nov 2004 11:28 am Operator: frz
Sample : 0.1 ug/L MDL check Inst : VOAInst#3
Misc : water 12496308 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:49 2004 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\AG19600.D Vial: 5
Acq On : 23 Nov 2004 11:54 am Operator: frz
Sample : 0.2 ug/L MDL check / I-cal Inst : VOAInst#3
Misc : water 12496309 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:03 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)	6.52	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

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19600.D Vial: 5
Acq On : 23 Nov 2004 11:54 am Operator: frz
Sample : 0.2 ug/L MDL check / I-cal Inst : VOAInst#3
Misc : water 12496309 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:03 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

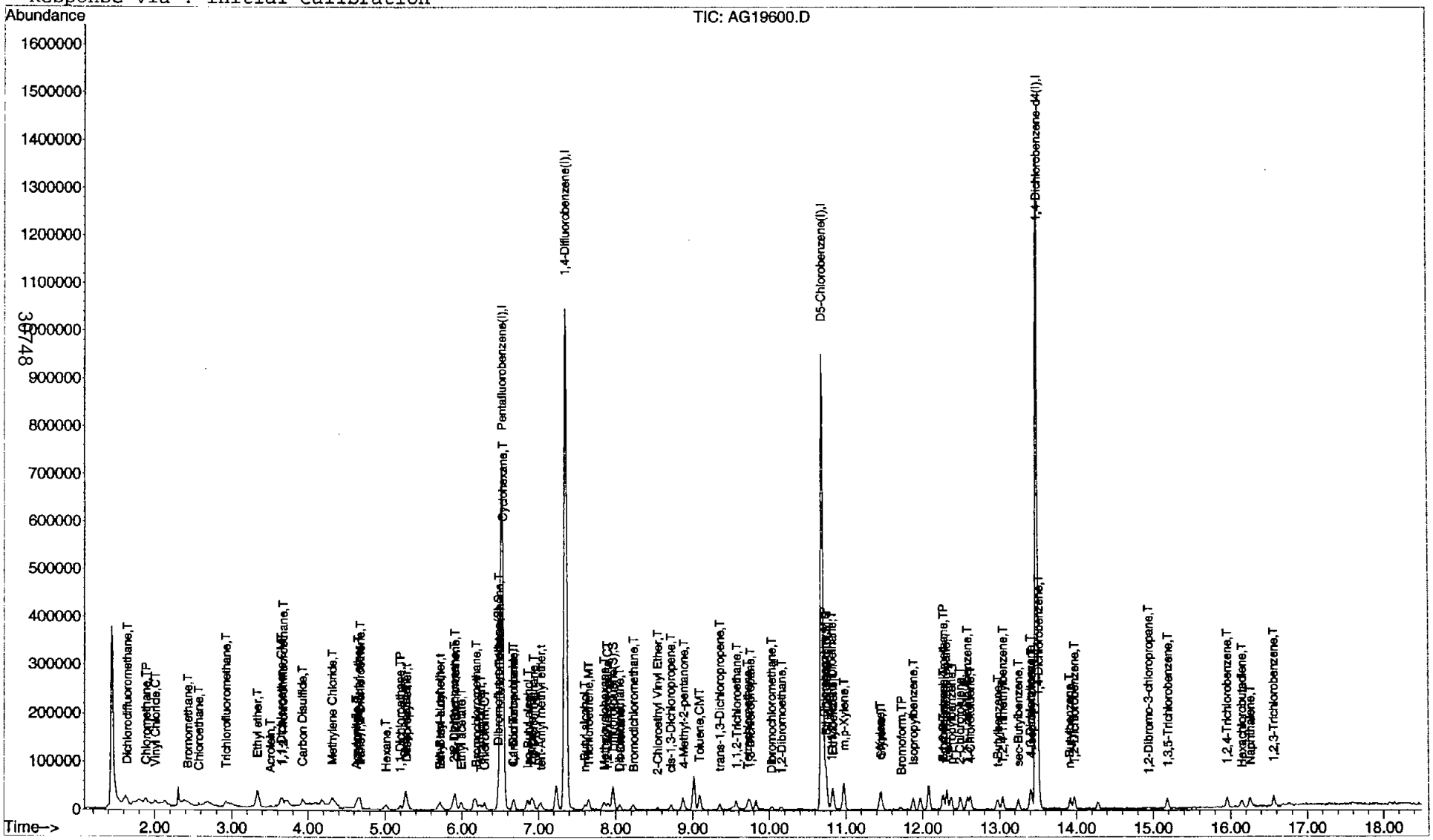
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
44)	n-Butyl alcohol	7.60	41	6698	16.24	ug/L		92
45)	Methylcyclohexane	7.85	55	7684	0.22	ug/L		87
46)	1,2-Dichloropropane	7.89	63	6429	0.19	ug/L		89
47)	Dibromomethane	8.05	174	3361	0.14	ug/L	#	68
48)	1,4-Dioxane	8.06	88	1468	5.16	ug/L	#	72
49)	Bromodichloromethane	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 Vial: 5
Acq On : 23 Nov 2004 11:54 am Operator: frz
Sample : 0.2 ug/L MDL check / I-cal Inst : VOAInst#3
Misc : water 12496309 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:50 2004 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



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Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19601.D Vial: 6
Acq On : 23 Nov 2004 12:20 pm Operator: frz
Sample : 0.4 ug/L I-cal Inst : VOAInst#3
Misc : water 12496310 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:09 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	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

30750
00272

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

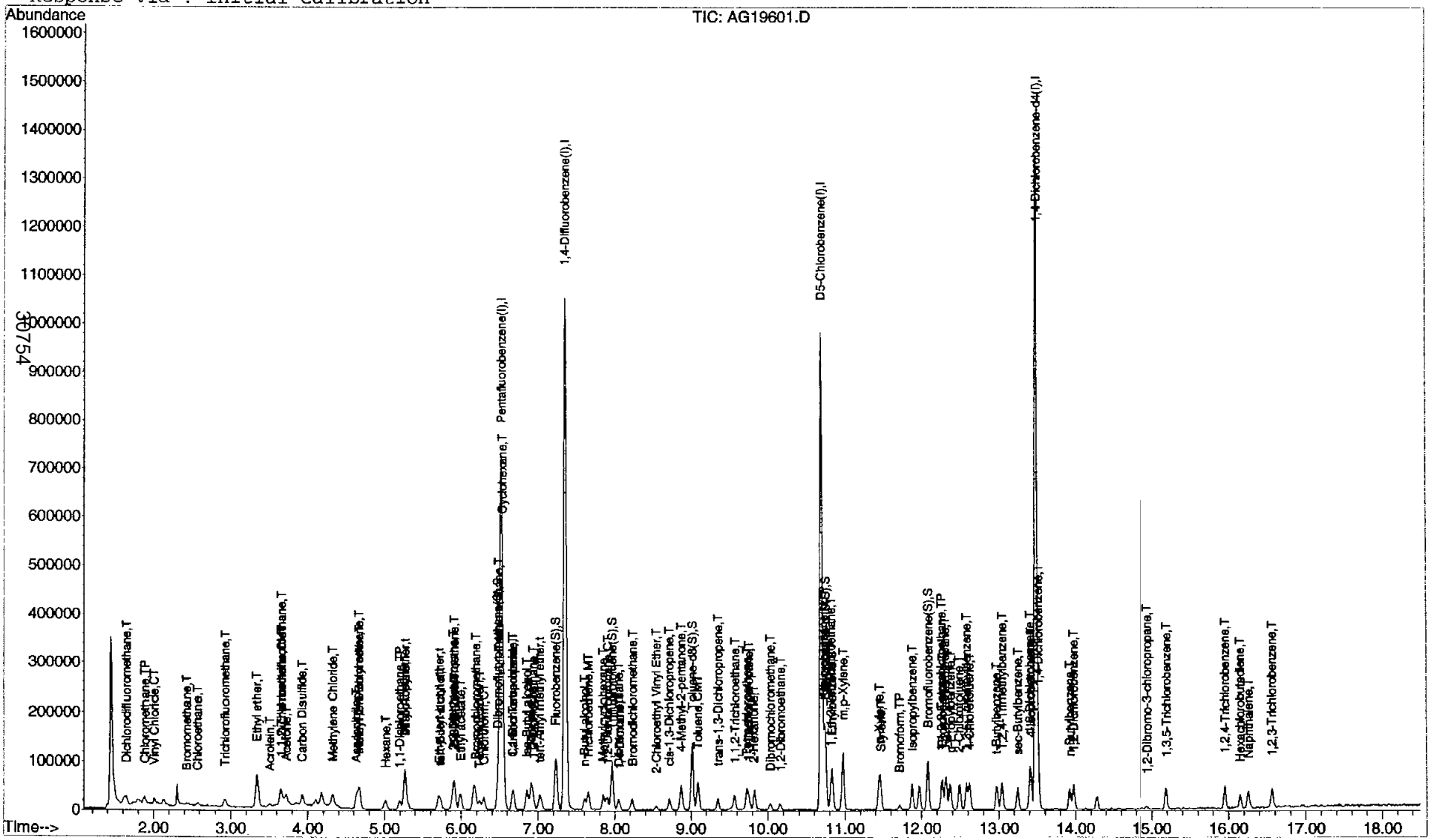
(#) = qualifier out of range (m) = manual integration (+) = signals summed

30752
00273

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19601.D Vial: 6
Acq On : 23 Nov 2004 12:20 pm Operator: frz
Sample : 0.4 ug/L I-cal Inst : VOAInst#3
Misc : water 12496310 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:50 2004 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 Vial: 7
Acq On : 23 Nov 2004 12:46 pm Operator: frz
Sample : 1.0 ug/L I-cal Inst : VOAInst#3
Misc : water 12496311 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:16 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	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

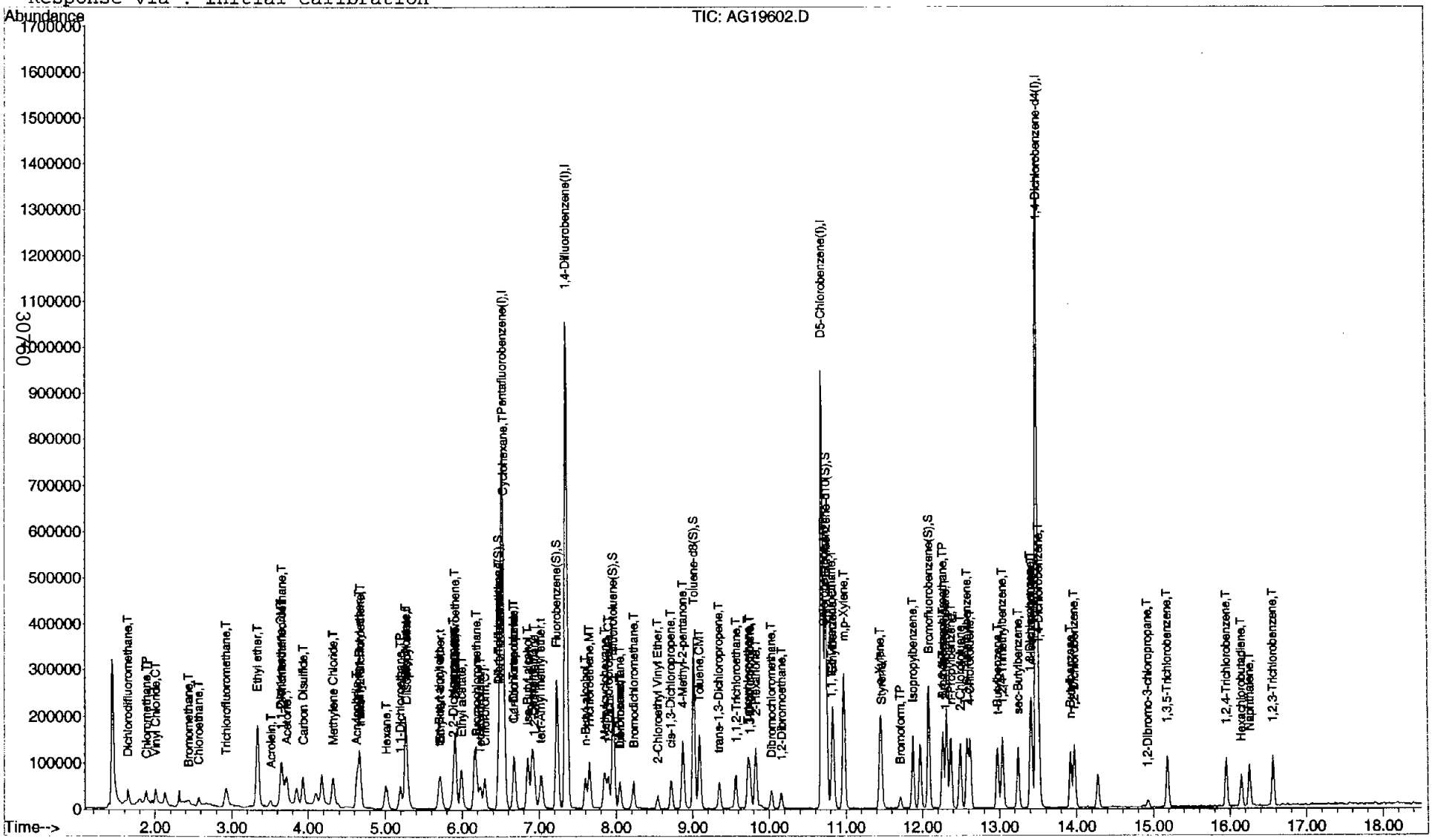
Quantitation Report (Not Reviewed)

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



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

(#) = qualifier out of range (m) = manual integration

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

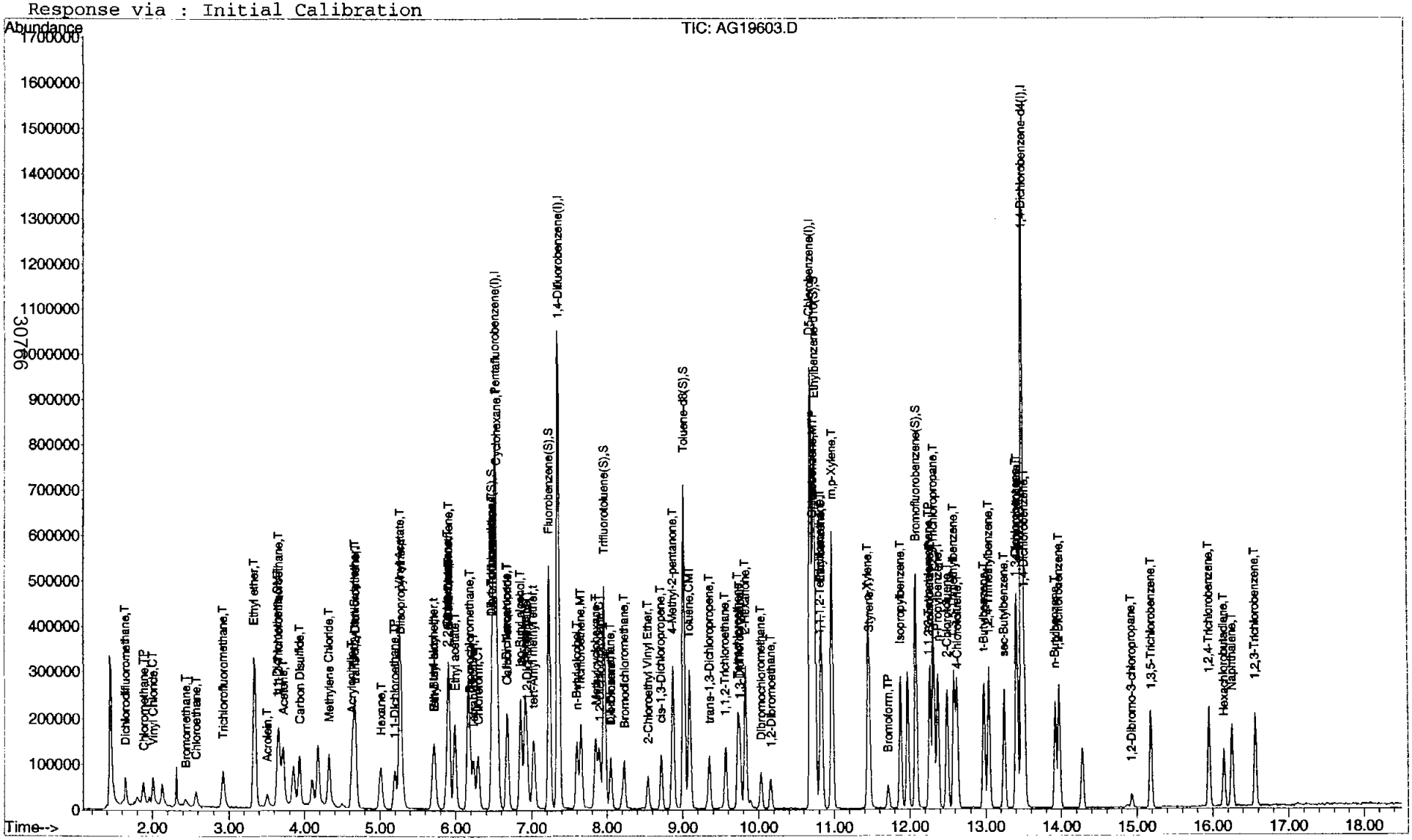
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	88215	2.00	ug/L		95
43)	Trichloroethene	7.65	130	76345	1.99	ug/L		97
44)	n-Butyl alcohol	7.60	41	76451	183.03	ug/L		97
45)	Methylcyclohexane	7.85	55	72566	2.03	ug/L		94
46)	1,2-Dichloropropane	7.90	63	66809	1.96	ug/L		96
47)	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 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 1 15:50 2004 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

(#) = 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

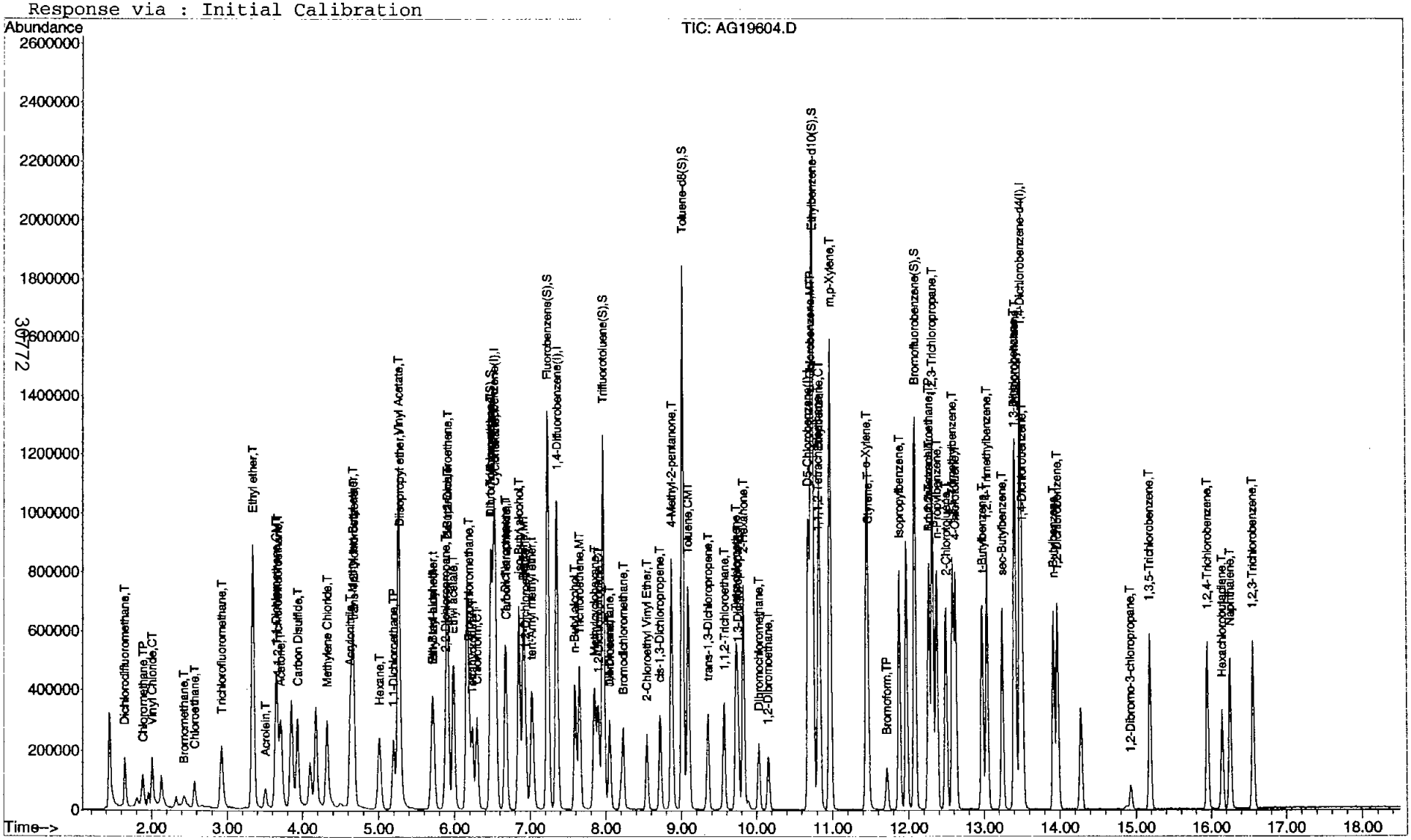
(#) = qualifier out of range (m) = manual integration (+) = signals summed

30770
00282

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 1 15:50 2004 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

(#) = qualifier out of range (m) = manual integration

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

	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

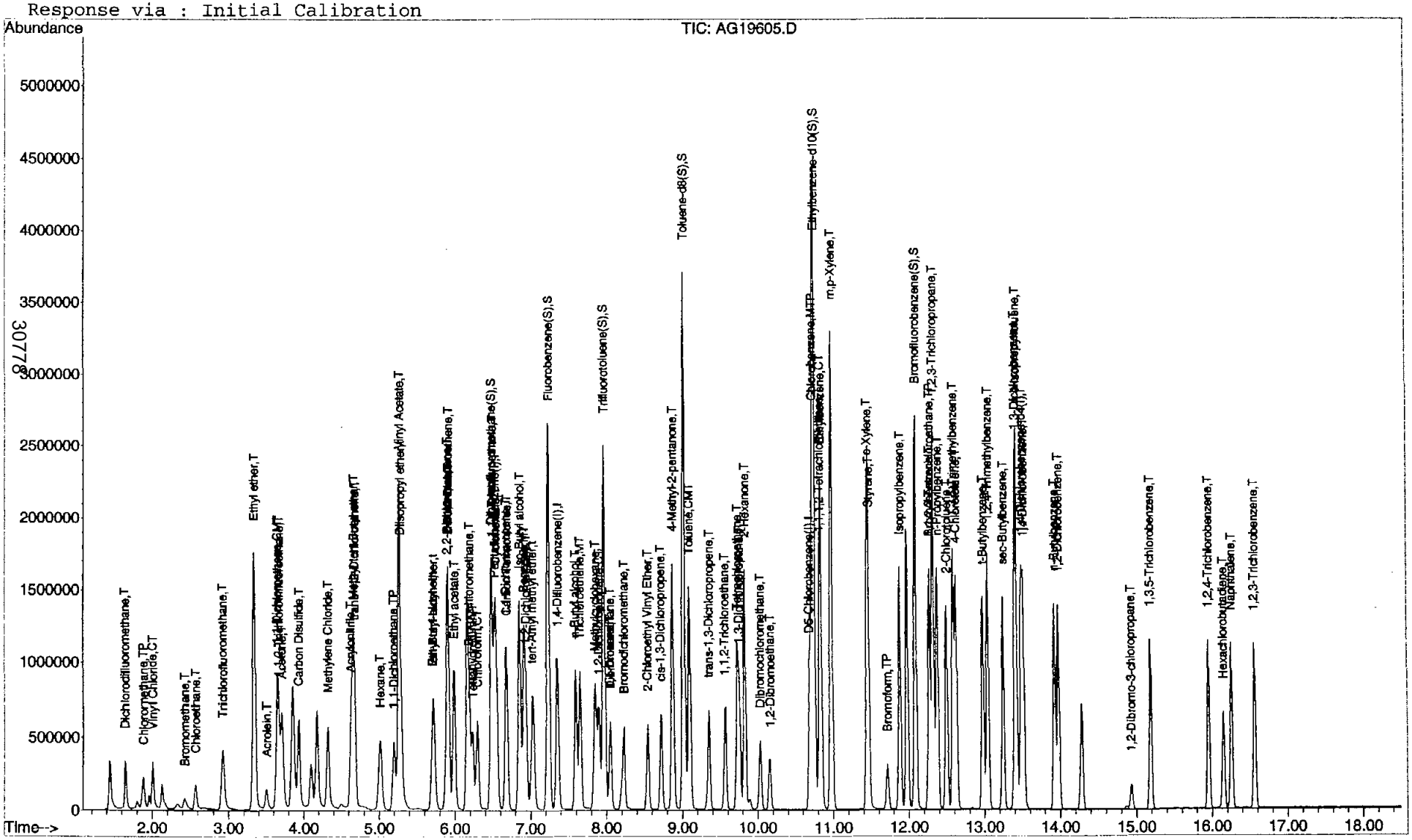
Quantitation Report (Not Reviewed)

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



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19606.D Vial: 11
Acq On : 23 Nov 2004 2:30 pm Operator: frz
Sample : 20 ug/L I-cal Inst : VOAInst#3
Misc : water 12496315 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:47 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	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

30780
00287

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19606.D Vial: 11
Acq On : 23 Nov 2004 2:30 pm Operator: frz
Sample : 20 ug/L I-cal Inst : VOAInst#3
Misc : water 12496315 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:50:47 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

	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

30782

002888

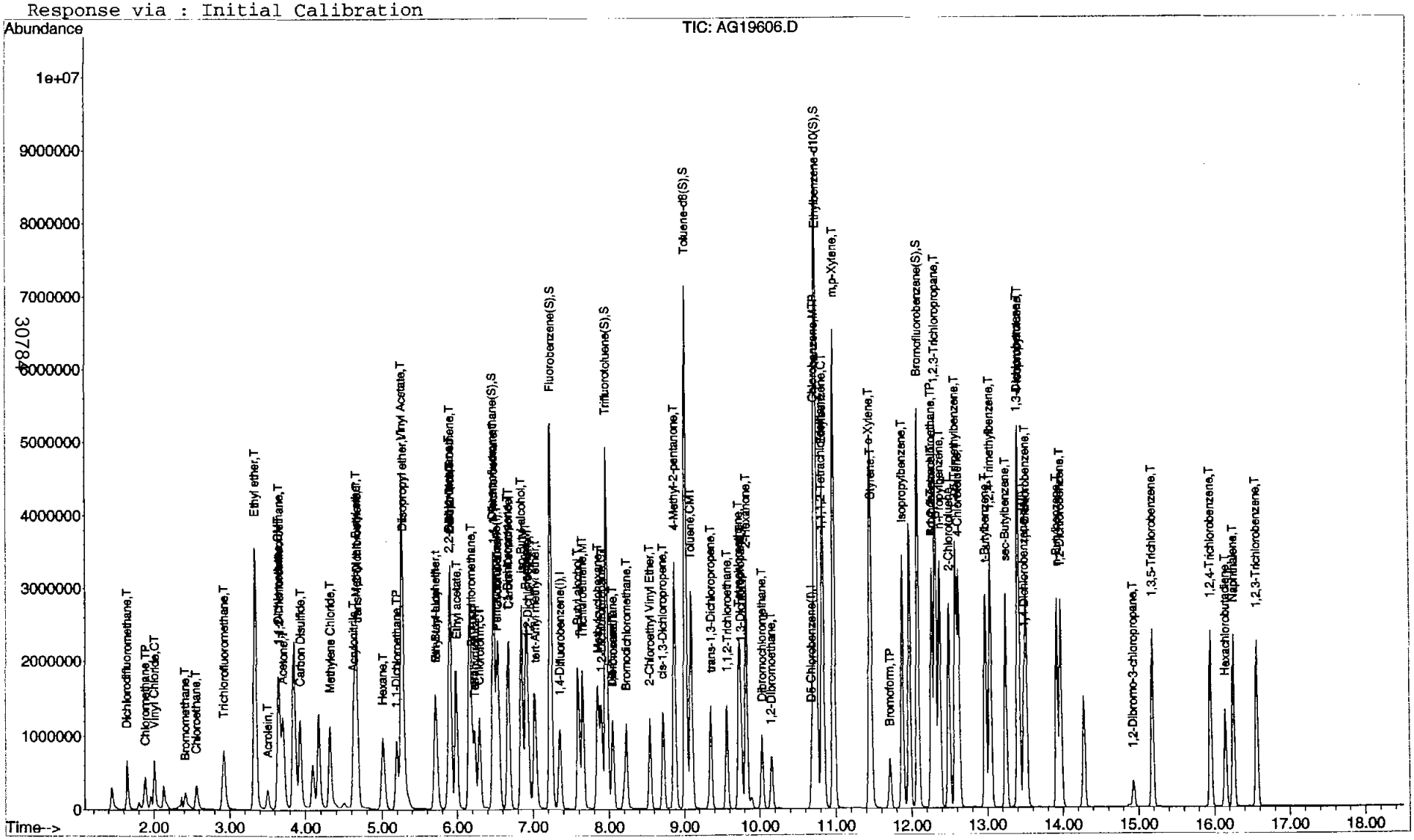
Quantitation Report (Not Reviewed)

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



30784

00289

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

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

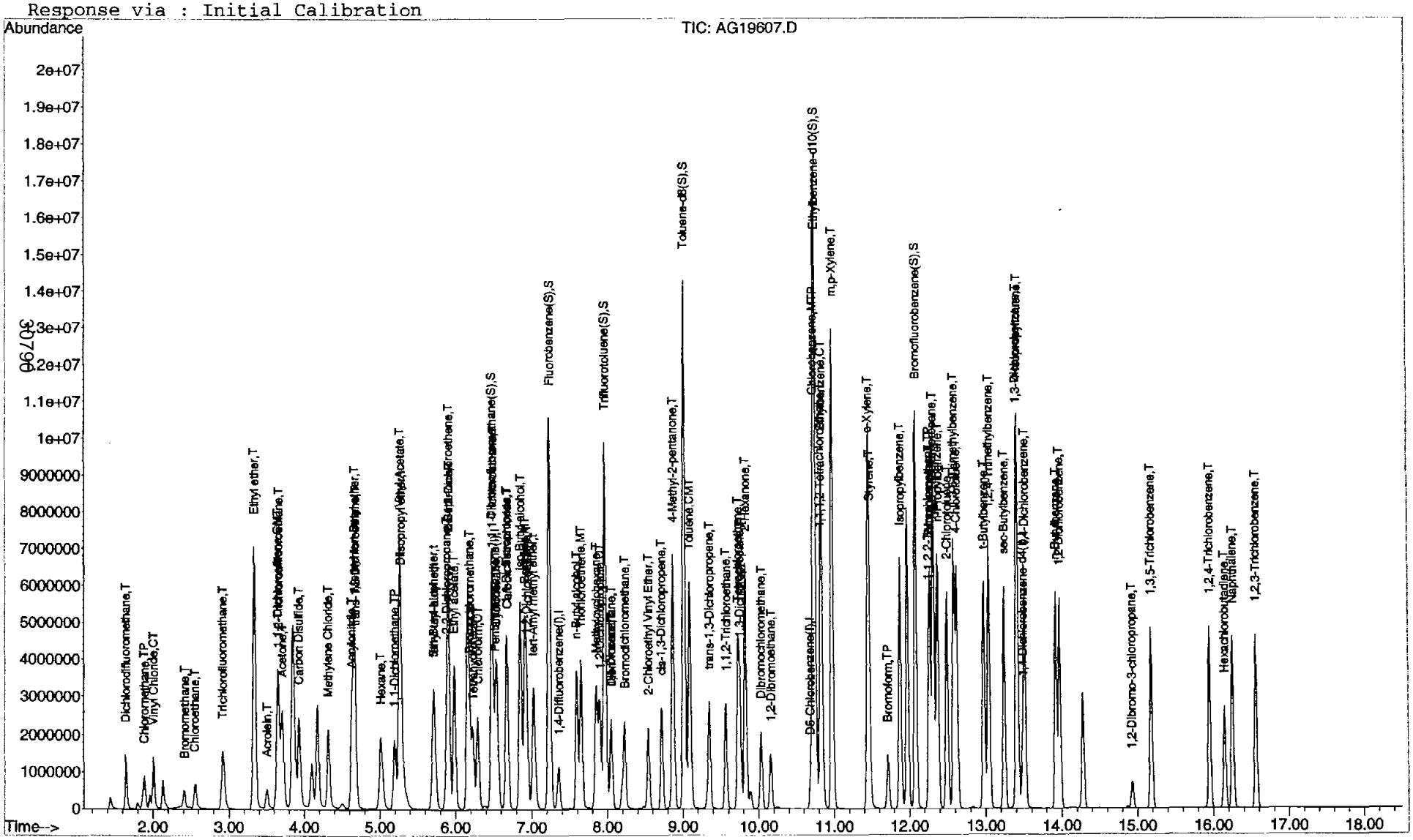
Quantitation Report (Not Reviewed)

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



00292

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19608.D Vial: 13
Acq On : 23 Nov 2004 3:22 pm Operator: frz
Sample : 100 ug/L I-cal Inst : VOAInst#3
Misc : water 12496317 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:51:02 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	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

(#) = qualifier out of range (m) = manual integration

30792
002931

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19608.D Vial: 13
Acq On : 23 Nov 2004 3:22 pm Operator: frz
Sample : 100 ug/L I-cal Inst : VOAInst#3
Misc : water 12496317 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 15:51:02 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

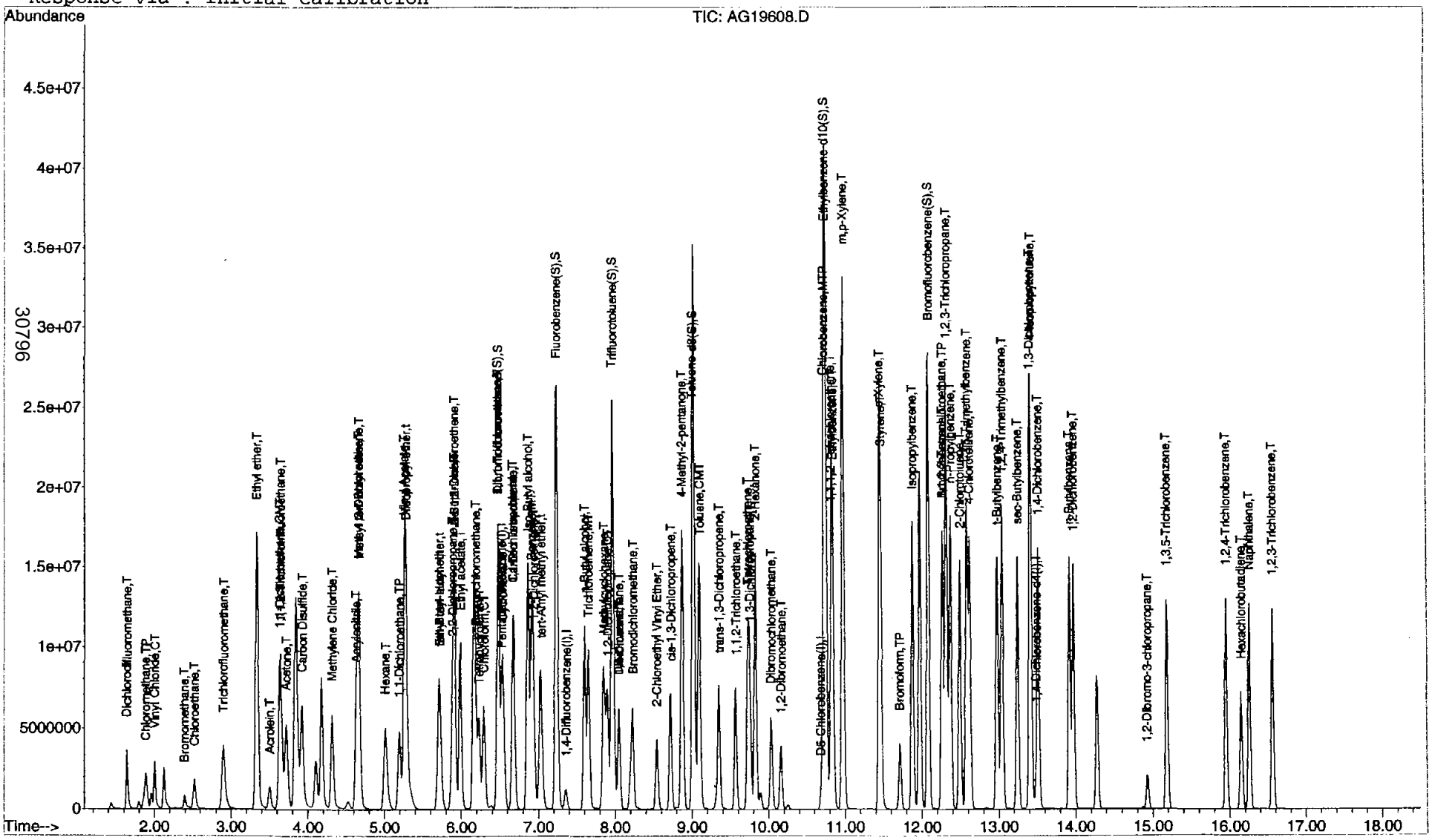
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	4883588	98.29	ug/L		97
43)	Trichloroethene	7.65	130	4233539	99.16	ug/L		93
44)	n-Butyl alcohol	7.60	41	5371994	11556.91	ug/L		98
45)	Methylcyclohexane	7.85	55	3977696	99.91	ug/L		93
46)	1,2-Dichloropropane	7.90	63	3725881	97.99	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
AG19608.D 11232004_AQUEOUS_8260.M Wed Dec 01 15:51:06 2004 Page 2

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11232004\AG19608.D Vial: 13
Acq On : 23 Nov 2004 3:22 pm Operator: frz
Sample : 100 ug/L I-cal Inst : VOAInst#3
Misc : water 12496317 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 15:51 2004 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



00295

Quantitation Report (Not Reviewed)

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
Quant Time: Dec 01 15:51:10 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	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 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
Quant Time: Dec 01 15:51:10 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

	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
AG19612.D 11232004_AQUEOUS_8260.M Wed Dec 01 15:51:13 2004 Page 2

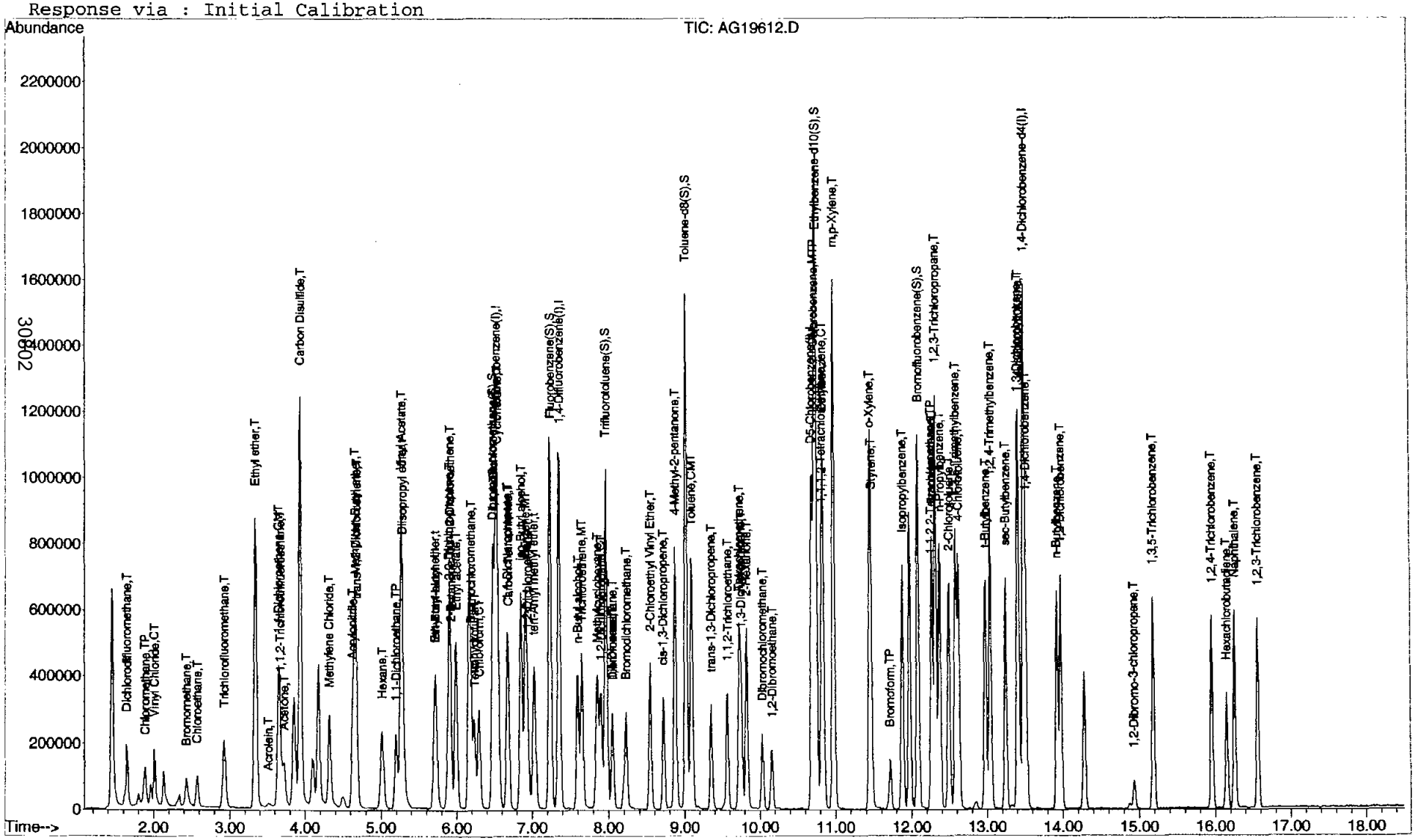
Quantitation Report (Not Reviewed)

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
Acq On : 23 Nov 2004 5:06 pm
Sample : 5.0 ug/L ICV/bs voa
Misc : water 12496318
MS Integration Params: RTEINT.P

Vial: 17
Operator: frz
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	0.336	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

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

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

Vial: 17
Operator: frz
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	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
Acq On : 23 Nov 2004 5:06 pm
Sample : 5.0 ug/L ICV/bs voa
Misc : water 12496318
MS Integration Params: RTEINT.P

Vial: 17
Operator: frz
Inst : VOAInst#3
Multiplr: 1.00

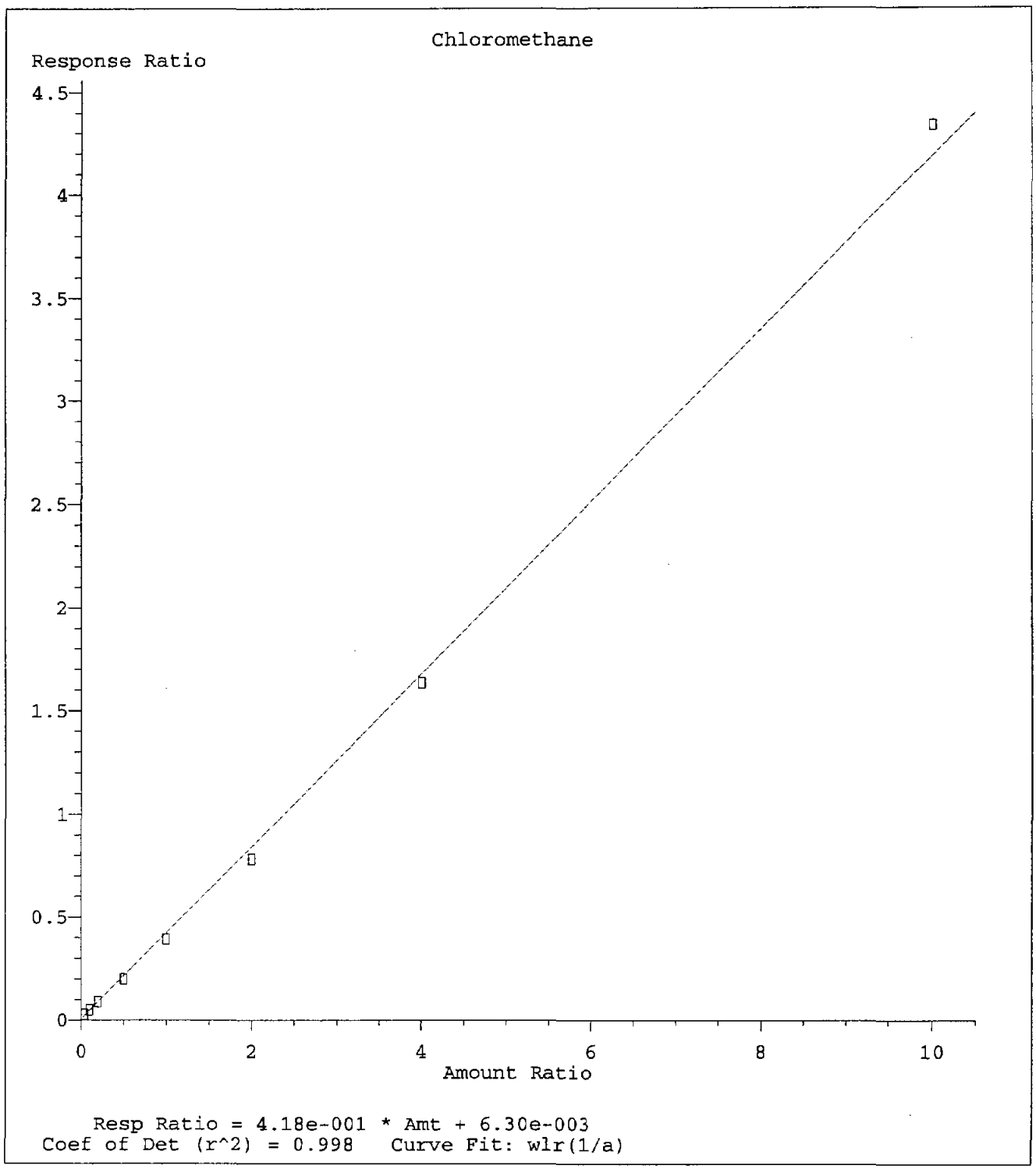
Method : E:\METHODS\11232004_AQUEOUS_8260.M (RTE Integrator)
Title : VOA by Method 5030/8260B:Methanol Extraction
Last Update : Wed Nov 24 09:40:26 2004
Response via : Multiple Level Calibration

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	4.726	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

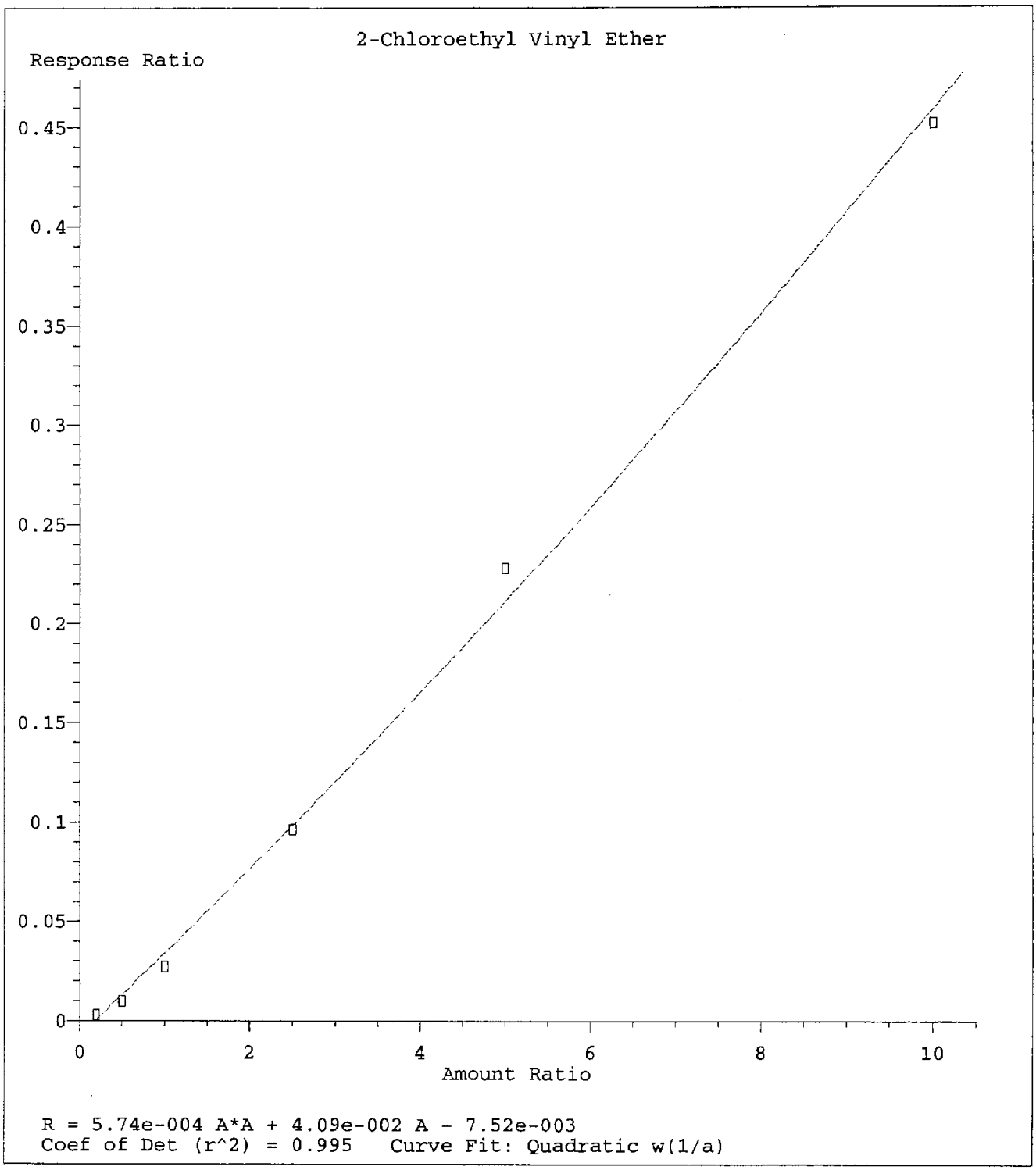
(#) = Out of Range SPCC's out = 0 CCC's out = 0

30810
00302

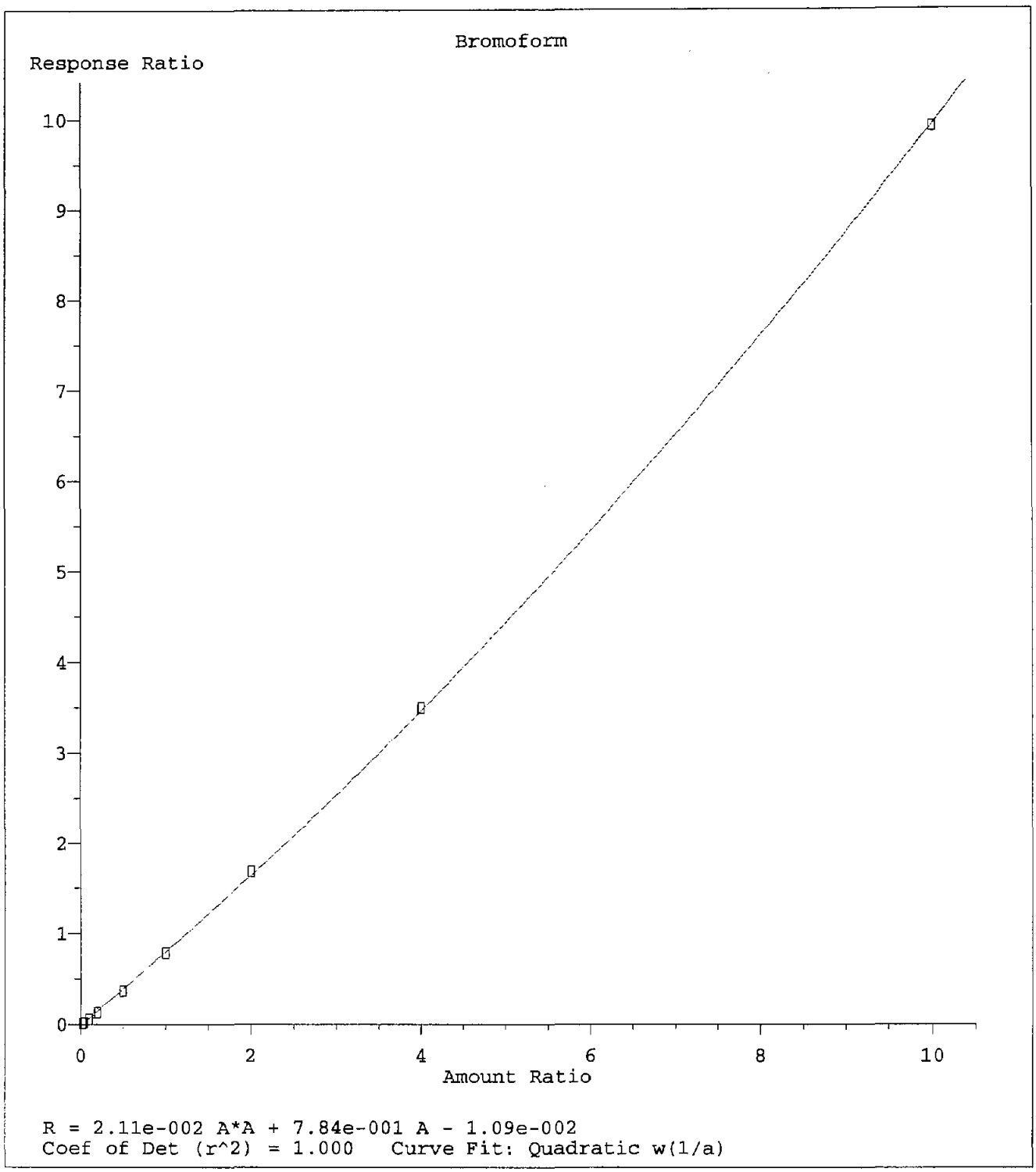


Method Name: E:\METHODS\11232004_AQUEOUS_8260.M
Calibration Table Last Updated: Wed Nov 24 09:40:26 2004

00303



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

00305

CONTINUING CALIBRATION

00306

Sequence Log

Directory : g:\DATA\11222004

#	Filename	Sample Name	Date/Time
1	ag19561.d	bfb tune	11/22/04 08:45
2	ag19562.d	bfb tune	11/22/04 09:11
3	ag19563.d	4.0 ug/Kg ccal	11/22/04 09:37
4	ag19564.d	4.0 ug/Kg ICV/bs voa1041	11/22/04 10:03
5	ag19565.d	4.0 ug/Kg ICV/bsd voa1041	11/22/04 10:28
6	ag19566.d	4.0 ug/Kg bs voa1042	11/22/04 10:54
7	ag19567.d	4.0 ug/Kg bsd voa1042	11/22/04 11:20
8	ag19568.d	Instr. blank	11/22/04 11:45
9	ag19569.d	Reagent MB voa1041	11/22/04 12:11
10	ag19570.d	Reagent MB voa1042	11/22/04 12:36
11	ag19571.d	124945-03 voa1042	11/22/04 13:02
12	ag19572.d	124993-02 voa1042	11/22/04 13:28
13	ag19573.d	124993-03 voa1042	11/22/04 13:53
14	ag19574.d	124993-04 voa1042	11/22/04 14:19
15	ag19575.d	124993-06 voa1042	11/22/04 14:45
16	ag19576.d	124993-07 voa1042	11/22/04 15:10
17	ag19577.d	124993-17 voa1042	11/22/04 15:36
18	ag19578.d	124993-18 voa1042	11/22/04 16:02
19	ag19579.d	124993-19 voa1042	11/22/04 16:27
20	ag19580.d	124993-20 voa1042	11/22/04 16:53
21	ag19581.d	124993-20 ms voa1042	11/22/04 17:19
22	ag19582.d	124993-20 msd voa1042	11/22/04 17:44
23	ag19583.d	124993-07 ms voa1042	11/22/04 18:10
24	ag19584.d	124993-07 msd voa1042	11/22/04 18:35
25	ag19585.d	124985-01 voa1041	11/22/04 19:01
26	ag19586.d	124969-04 voa1041	11/22/04 19:27
27	ag19587.d	124969-06 voa1041	11/22/04 19:52
28	ag19588.d	124958-02 voa1041	11/22/04 20:18
29	ag19589.d	124958-03 voa1041	11/22/04 20:44
30	ag19590.d	124958-01 voa1041	11/22/04 21:09
31	ag19591.d	rinse	11/22/04 21:35
32	ag19592.d	rinse	11/22/04 22:00
33	ag19593.d	rinse	11/22/04 22:26
34	ag19594.d	rinse	11/22/04 22:51
35	ag19595.d	rinse	11/22/04 23:17

9
11/23/2004

00307

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19563.D Vial: 3
Acq On : 22 Nov 2004 9:37 am Operator: frz
Sample : 4.0 ug/Kg ccal Inst : VOAInst#3
Misc : soil #5.000 124966303 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:28 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	814985	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1238708	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	217334	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	477284	10.00	ug/Kg	0.00
System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	771125	20.07	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 200.70%#			
34) Fluorobenzene(S)	7.23	96	2895975	19.56	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 195.60%#			
36) Trifluorotoluene(S)	7.96	146	666854	10.34	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 51.70%#			
45) Toluene-d8(S)	9.02	98	2665230	19.65	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 196.50%#			
55) Ethylbenzene-d10(S)	10.74	98	3281448	20.60	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 206.00%#			
64) Bromofluorobenzene(S)	12.09	174	837375	20.45	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 204.50%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	179990	4.07	ug/Kg	97
3) Chloromethane	1.87	50	184894	4.11	ug/Kg	91
4) Vinyl Chloride	2.00	62	134144	4.40	ug/Kg	98
5) Bromomethane	2.43	94	29476	2.93	ug/Kg	100
6) Chloroethane	2.56	64	63946	4.49	ug/Kg	95
7) Trichlorofluoromethane	2.91	101	191127	4.34	ug/Kg	93
8) 1,1-Dichloroethene	3.64	96	152817	4.12	ug/Kg	98
9) 1,1,2-Trichlorotrifluoroet	3.65	151	151273	4.23	ug/Kg	92
10) Carbon Disulfide	3.91	76	568518	4.08	ug/Kg	99
11) Acetone	3.73	43	155625	20.00	ug/Kg	94
12) tert-Butyl alcohol	5.72	59	357642	18.42	ug/Kg	96
13) Methylene Chloride	4.31	49	208764	3.77	ug/Kg	100
14) Methyl tert-Butyl ether	4.66	73	321625	3.96	ug/Kg	96
15) trans-1,2-Dichloroethene	4.66	96	171347	4.19	ug/Kg	99
16) Hexane	5.00	56	129412	4.22	ug/Kg	93
17) Diisopropyl ether	5.28	45	480583	4.18	ug/Kg	98
18) 1,1-Dichloroethane	5.20	63	281222	4.10	ug/Kg	99
19) Vinyl Acetate	5.27	43	1360659	20.38	ug/Kg#	97
20) Ethyl tert-butyl ether	5.72	87	153335	3.82	ug/Kg	87
21) 2,2-Dichloropropane	5.88	77	220213	4.08	ug/Kg	98
22) cis-1,2-Dichloroethene	5.91	96	181988	4.11	ug/Kg	94
23) 2-Butanone	5.92	57	17012	18.77	ug/Kg#	81
24) Bromochloromethane	6.19	49	121537	4.23	ug/Kg	91
25) Chloroform	6.30	85	180853	4.16	ug/Kg	96
26) 1,1,1-Trichloroethane	6.48	97	240322	4.24	ug/Kg	92
27) Cyclohexane	6.54	56	295533	3.92	ug/Kg	100
29) Carbon Tetrachloride	6.67	119	185711	3.89	ug/Kg	97
30) 1,1-Dichloropropene	6.67	75	204808	4.05	ug/Kg	97
31) tert-Amyl methyl ether	7.03	73	316007	3.90	ug/Kg	95
32) Benzene	6.91	78	623686	4.20	ug/Kg	97
33) 1,2-Dichloroethane	6.94	62	182699	4.15	ug/Kg	93
37) Trichloroethene	7.65	130	175017	4.09	ug/Kg	99
38) Methylcyclohexane	7.84	55	204025	3.88	ug/Kg	97
39) 1,2-Dichloropropane	7.89	63	148187	3.94	ug/Kg	93
40) Dibromomethane	8.05	174	89841	4.00	ug/Kg	96
41) Bromodichloromethane	8.23	83	172263	3.92	ug/Kg	97

(#) = qualifier out of range (m) = manual integration

00308

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19563.D Vial: 3
Acq On : 22 Nov 2004 9:37 am Operator: frz
Sample : 4.0 ug/Kg ccal Inst : VOAInst#3
Misc : soil #5.000 124966303 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:28 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

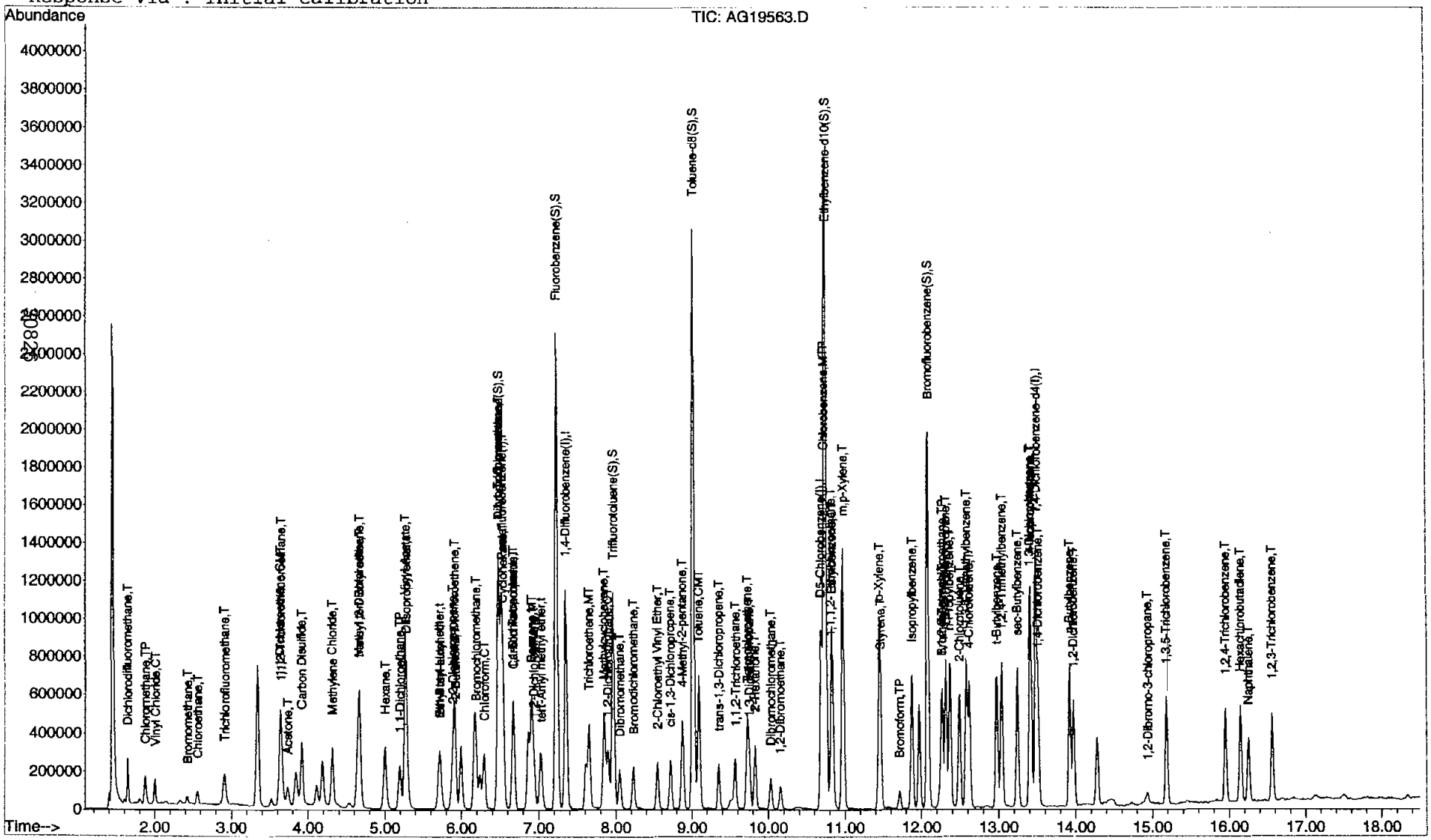
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	114950	15.36 ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	193631	3.88 ug/Kg	98
44)	4-Methyl-2-pentanone	8.87	85	68831	19.34 ug/Kg	90
46)	Toluene	9.09	91	660637	4.21 ug/Kg	97
47)	trans-1,3-Dichloropropene	9.35	75	161094	3.90 ug/Kg	93
48)	1,1,2-Trichloroethane	9.57	97	110579	3.94 ug/Kg	96
49)	Tetrachloroethene	9.73	164	137138	3.95 ug/Kg	98
50)	1,3-Dichloropropane	9.75	76	175734	3.95 ug/Kg	98
51)	2-Hexanone	9.83	85	22311	16.85 ug/Kg#	89
52)	Dibromochloromethane	10.03	129	105967	3.77 ug/Kg	96
53)	1,2-Dibromoethane	10.15	107	101092	3.91 ug/Kg	97
56)	Chlorobenzene	10.72	112	441625	4.45 ug/Kg	87
57)	1,1,1,2-Tetrachloroethane	10.82	131	127603	3.97 ug/Kg	95
58)	Ethylbenzene	10.83	91	687822	4.34 ug/Kg	98
59)	m,p-Xylene	10.97	106	551277	8.69 ug/Kg	96
60)	o-Xylene	11.45	91	516138	4.23 ug/Kg	97
61)	Styrene	11.47	104	390832	4.05 ug/Kg	87
62)	Bromoform	11.71	173	53444	3.48 ug/Kg	99
63)	Isopropylbenzene	11.88	105	644804	4.18 ug/Kg	96
65)	Bromobenzene	12.27	156	169141	4.18 ug/Kg	97
66)	1,1,2,2-Tetrachloroethane	12.27	83	190606+	3.98 ug/Kg	99
67)	1,2,3-Trichloropropane	12.32	110	34202	4.26 ug/Kg	87
68)	n-Propylbenzene	12.36	91	828691	4.38 ug/Kg	99
69)	2-Chlorotoluene	12.50	126	164693	4.09 ug/Kg	97
70)	4-Chlorotoluene	12.62	126	170890	4.26 ug/Kg	87
71)	1,3,5-Trimethylbenzene	12.58	105	539124	4.27 ug/Kg	98
72)	t-Butylbenzene	12.98	119	485771	4.15 ug/Kg	94
73)	1,2,4-Trimethylbenzene	13.04	105	549295	4.28 ug/Kg	96
74)	sec-Butylbenzene	13.25	105	704915	4.33 ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	598346	4.21 ug/Kg	98
76)	1,3-Dichlorobenzene	13.40	146	324305	4.22 ug/Kg	99
78)	1,4-Dichlorobenzene	13.51	146	320810	4.01 ug/Kg	99
79)	n-Butylbenzene	13.92	134	139765	3.81 ug/Kg#	90
80)	1,2-Dichlorobenzene	13.97	146	295863	4.01 ug/Kg	98
81)	1,2-Dibromo-3-chloropropan	14.94	75	16095	3.68 ug/Kg	95
82)	1,3,5-Trichlorobenzene	15.18	180	249200	3.99 ug/Kg	100
83)	1,2,4-Trichlorobenzene	15.95	180	210441	3.86 ug/Kg	99
84)	Hexachlorobutadiene	16.15	225	145271	4.26 ug/Kg	97
85)	Naphthalene	16.26	128	344620	3.59 ug/Kg	99
86)	1,2,3-Trichlorobenzene	16.56	180	196246	3.79 ug/Kg	98

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19563.D Vial: 3
Acq On : 22 Nov 2004 9:37 am Operator: frz
Sample : 4.0 ug/Kg ccal Inst : VOAInst#3
Misc : soil #5.000 124966303 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14 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



Evaluate Continuing Calibration Report

Data File : E:\DATA\11222004\AG19563.D Vial: 3
Acq On : 22 Nov 2004 9:37 am Operator: frz
Sample : 4.0 ug/Kg ccal Inst : VOAInst#3
Misc : soil #5.000 124966303 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	88	0.01
2	T	Dichlorodifluoromethane	4.000	4.073	-1.8	91	0.00
3	TP	Chloromethane	4.000	4.105	-2.6	86	0.00
4	CT	Vinyl Chloride	4.000	4.396	-9.9	94	0.00
5	T	Bromomethane	4.000	2.926	26.8#	64	0.00
6	T	Chloroethane	4.000	4.487	-12.2	88	0.00
7	T	Trichlorofluoromethane	4.000	4.338	-8.5	97	0.00
8	CMT	1,1-Dichloroethene	4.000	4.124	-3.1	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	4.000	4.231	-5.8	94	-0.01
10	T	Carbon Disulfide	4.000	4.075	-1.9	92	-0.02
11	T	Acetone	20.000	20.003	-0.0	68	0.01
12	t	tert-Butyl alcohol	20.000	18.420	7.9	77	0.00
13	T	Methylene Chloride	4.000	3.766	5.8	83	-0.01
14	T	Methyl tert-Butyl ether	4.000	3.958	1.0	83	0.01
15	T	trans-1,2-Dichloroethene	4.000	4.192	-4.8	91	0.00
16	T	Hexane	4.000	4.215	-5.4	81	0.00
17	t	Diisopropyl ether	4.000	4.179	-4.5	83	0.01
18	TP	1,1-Dichloroethane	4.000	4.096	-2.4	93	0.00
19	T	Vinyl Acetate	20.000	20.380	-1.9	83	0.00
20	t	Ethyl tert-butyl ether	4.000	3.816	4.6	82	0.00
21	T	2,2-Dichloropropane	4.000	4.077	-1.9	95	0.00
22	T	cis-1,2-Dichloroethene	4.000	4.108	-2.7	91	0.00
23	T	2-Butanone	20.000	18.773	6.1	74	0.01
24	T	Bromochloromethane	4.000	4.229	-5.7	87	0.00
25	CT	Chloroform	4.000	4.163	-4.1	92	0.00
26	T	1,1,1-Trichloroethane	4.000	4.235	-5.9	96	0.00
27	T	Cyclohexane	4.000	3.922	1.9	89	0.00
28	S	Dibromofluoromethane(S)	10.000	20.070	-100.7#	177	0.00
29	T	Carbon Tetrachloride	4.000	3.885	2.9	87	0.00
30	T	1,1-Dichloropropene	4.000	4.047	-1.2	90	0.00
31	t	tert-Amyl methyl ether	4.000	3.900	2.5	84	0.01
32	MT	Benzene	4.000	4.201	-5.0	92	0.00
33	T	1,2-Dichloroethane	4.000	4.148	-3.7	91	0.00
34	S	Fluorobenzene(S)	10.000	19.557	-95.6#	176	0.00
35	I	1,4-Difluorobenzene(I)	10.000	10.000	0.0	89	0.00
36	S	Trifluorotoluene(S)	10.000	10.344	-3.4	87	0.00
37	MT	Trichloroethene	4.000	4.087	-2.2	91	0.00
38	T	Methylcyclohexane	4.000	3.877	3.1	83	-0.01
39	CT	1,2-Dichloropropane	4.000	3.940	1.5	89	0.00
40	T	Dibromomethane	4.000	3.999	0.0	86	0.00
41	T	Bromodichloromethane	4.000	3.924	1.9	87	0.00
42	T	2-Chloroethyl Vinyl Ether	20.000	15.364	23.2#	59	0.04
43	T	cis-1,3-Dichloropropene	4.000	3.879	3.0	91	-0.01
44	T	4-Methyl-2-pentanone	20.000	19.342	3.3	85	0.00
45	S	Toluene-d8(S)	10.000	19.652	-96.5#	176	0.00
46	CMT	Toluene	4.000	4.210	-5.2	93	0.00
47	T	trans-1,3-Dichloropropene	4.000	3.898	2.5	90	0.00
48	T	1,1,2-Trichloroethane	4.000	3.938	1.5	89	0.00
49	T	Tetrachloroethene	4.000	3.951	1.2	89	0.00
50	T	1,3-Dichloropropane	4.000	3.952	1.2	85	0.00
51	T	2-Hexanone	20.000	16.853	15.7	69	0.00
52	T	Dibromochloromethane	4.000	3.769	5.8	89	0.00
53	T	1,2-Dibromoethane	4.000	3.910	2.2	83	-0.01

(#) = Out of Range

00311

Evaluate Continuing Calibration Report

Data File : E:\DATA\11222004\AG19563.D Vial: 3
Acq On : 22 Nov 2004 9:37 am Operator: frz
Sample : 4.0 ug/Kg ccal Inst : VOAInst#3
Misc : soil #5.000 124966303 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	20.600	-106.0#	180	0.01
56	MTP	Chlorobenzene	4.000	4.447	-11.2	93	0.01
57	T	1,1,1,2-Tetrachloroethane	4.000	3.975	0.6	89	0.01
58	CT	Ethylbenzene	4.000	4.340	-8.5	90	0.01
59	T	m,p-Xylene	8.000	8.691	-8.6	91	0.01
60	T	o-Xylene	4.000	4.227	-5.7	91	0.01
61	T	Styrene	4.000	4.051	-1.3	87	0.01
62	TP	Bromoform	4.000	3.477	13.1	87	0.01
63	T	Isopropylbenzene	4.000	4.181	-4.5	88	0.01
64	S	Bromofluorobenzene(S)	10.000	20.447	-104.5#	173	0.01
65	T	Bromobenzene	4.000	4.185	-4.6	93	0.01
66	TP	1,1,2,2-Tetrachloroethane	4.000	3.980	0.5	85	0.01
67	T	1,2,3-Trichloropropane	4.000	4.259	-6.5	83	0.01
68	T	n-Propylbenzene	4.000	4.383	-9.6	88	0.00
69	T	2-Chlorotoluene	4.000	4.085	-2.1	87	0.01
70	T	4-Chlorotoluene	4.000	4.258	-6.5	92	0.01
71	T	1,3,5-Trimethylbenzene	4.000	4.272	-6.8	92	0.01
72	T	t-Butylbenzene	4.000	4.150	-3.8	90	0.01
73	T	1,2,4-Trimethylbenzene	4.000	4.284	-7.1	91	0.01
74	T	sec-Butylbenzene	4.000	4.332	-8.3	89	0.02
75	T	4-Isopropyltoluene	4.000	4.210	-5.2	88	0.02
76	T	1,3-Dichlorobenzene	4.000	4.225	-5.6	89	0.02
77	I	1,4-Dichlorobenzene-d4(I)	10.000	10.000	0.0	86	0.00
78	T	1,4-Dichlorobenzene	4.000	4.015	-0.4	90	0.00
79	T	n-Butylbenzene	4.000	3.812	4.7	82	0.00
80	T	1,2-Dichlorobenzene	4.000	4.014	-0.4	88	0.00
81	T	1,2-Dibromo-3-chloropropane	4.000	3.679	8.0	92	0.00
82	T	1,3,5-Trichlorobenzene	4.000	3.987	0.3	89	-0.01
83	T	1,2,4-Trichlorobenzene	4.000	3.861	3.5	86	0.00
84	T	Hexachlorobutadiene	4.000	4.257	-6.4	89	0.00
85	T	Naphthalene	4.000	3.585	10.4	81	0.00
86	T	1,2,3-Trichlorobenzene	4.000	3.791	5.2	86	0.00

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19564.D Vial: 4
Acq On : 22 Nov 2004 10:03 am Operator: frz
Sample : 4.0 ug/Kg ICV/bs voa1041 Inst : VOAInst#3
Misc : soil #5.000 12496304 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:29 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	812618	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1236453	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	222471	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.48	152	489538	10.00	ug/Kg	-0.01
System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	371627	9.70	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 97.00%			
34) Fluorobenzene(S)	7.23	96	1406361	9.53	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 95.30%			
36) Trifluorotoluene(S)	7.96	146	1173124	18.23	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 91.15%			
45) Toluene-d8(S)	9.02	98	1288958	9.52	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 95.20%			
55) Ethylbenzene-d10(S)	10.74	98	1604255	9.84	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 98.40%			
64) Bromofluorobenzene(S)	12.09	174	414199	9.88	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 98.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	186479	4.23	ug/Kg	96
3) Chloromethane	1.87	50	188301	4.21	ug/Kg	94
4) Vinyl Chloride	1.99	62	130234	4.28	ug/Kg	96
5) Bromomethane	2.41	94	42243	4.26	ug/Kg	91
6) Chloroethane	2.56	64	67764	4.77	ug/Kg	96
7) Trichlorofluoromethane	2.90	101	171521	3.87	ug/Kg	92
8) 1,1-Dichloroethene	3.64	96	152255	4.12	ug/Kg	97
9) 1,1,2-Trichlorotrifluoroet	3.65	151	129354	3.63	ug/Kg	94
10) Carbon Disulfide	3.91	76	2375365	17.08	ug/Kg	98
11) Acetone	3.73	43	132570	16.35	ug/Kg	99
12) tert-Butyl alcohol	5.72	59	390699	20.18	ug/Kg#	96
13) Methylene Chloride	4.31	49	209551	3.80	ug/Kg	98
14) Methyl tert-Butyl ether	4.66	73	342296	4.22	ug/Kg	96
15) trans-1,2-Dichloroethene	4.66	96	180430	4.43	ug/Kg	96
16) Hexane	4.99	56	100021	3.23	ug/Kg	99
17) Diisopropyl ether	5.28	45	494692	4.31	ug/Kg	98
18) 1,1-Dichloroethane	5.20	63	296154	4.33	ug/Kg	98
19) Vinyl Acetate	5.27	43	844174	12.68	ug/Kg#	95
20) Ethyl tert-butyl ether	5.72	87	173304	4.33	ug/Kg	84
21) 2,2-Dichloropropane	5.88	77	227424	4.22	ug/Kg	98
22) cis-1,2-Dichloroethene	5.91	96	183866	4.16	ug/Kg	93
23) 2-Butanone	5.92	57	15175	16.65	ug/Kg#	90
24) Bromochloromethane	6.19	49	129988	4.54	ug/Kg	93
25) Chloroform	6.30	85	189746	4.38	ug/Kg	99
26) 1,1,1-Trichloroethane	6.48	97	246930	4.36	ug/Kg	92
27) Cyclohexane	6.54	56	269011	3.58	ug/Kg	98
29) Carbon Tetrachloride	6.67	119	195480	4.10	ug/Kg	99
30) 1,1-Dichloropropene	6.67	75	203354	4.03	ug/Kg	95
31) tert-Amyl methyl ether	7.03	73	331391	4.10	ug/Kg#	94
32) Benzene	6.91	78	665398	4.50	ug/Kg	98
33) 1,2-Dichloroethane	6.94	62	190768	4.34	ug/Kg	92
37) Trichloroethene	7.65	130	184346	4.31	ug/Kg	97
38) Methylcyclohexane	7.84	55	180941	3.44	ug/Kg	94
39) 1,2-Dichloropropane	7.89	63	156076	4.16	ug/Kg	90
40) Dibromomethane	8.05	174	96957	4.32	ug/Kg	96
41) Bromodichloromethane	8.23	83	185973	4.24	ug/Kg	96

30832

(#) = qualifier out of range (m) = manual integration

00313

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19564.D Vial: 4
Acq On : 22 Nov 2004 10:03 am Operator: frz
Sample : 4.0 ug/Kg ICV/bs voa1041 Inst : VOAInst#3
Misc : soil #5.000 12496304 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:29 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

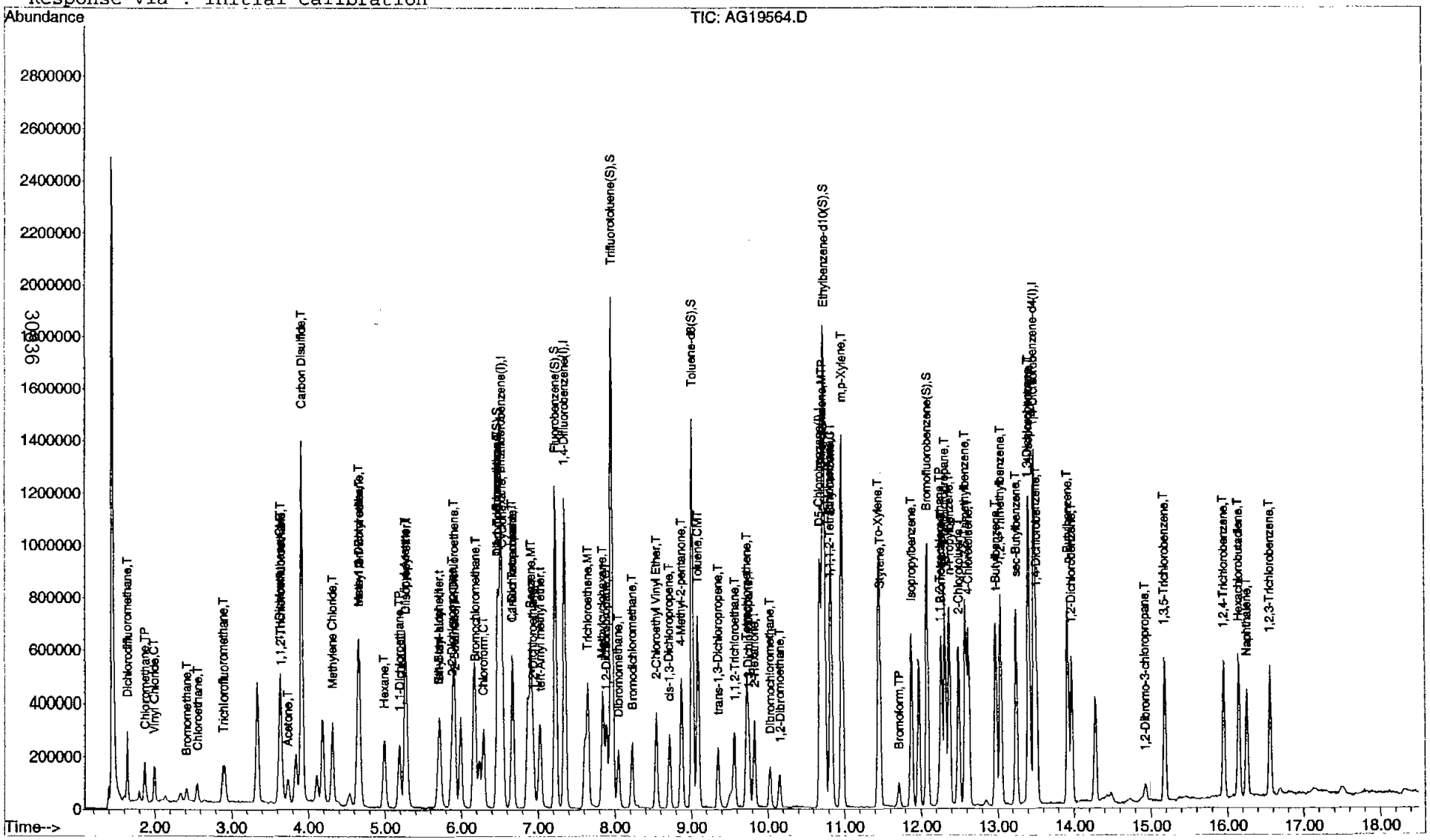
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
42)	2-Chloroethyl Vinyl Ether	8.54	63	170286	22.80	ug/Kg#	1
43)	cis-1,3-Dichloropropene	8.71	75	210107	4.22	ug/Kg	96
44)	4-Methyl-2-pentanone	8.87	85	71303	20.07	ug/Kg#	86
46)	Toluene	9.09	91	681258	4.35	ug/Kg	97
47)	trans-1,3-Dichloropropene	9.35	75	155570	3.77	ug/Kg	89
48)	1,1,2-Trichloroethane	9.57	97	117449	4.19	ug/Kg	96
49)	Tetrachloroethene	9.73	164	144009	4.16	ug/Kg	98
50)	1,3-Dichloropropane	9.75	76	190370	4.29	ug/Kg	96
51)	2-Hexanone	9.83	85	20754	15.71	ug/Kg#	85
52)	Dibromochloromethane	10.03	129	106900	3.81	ug/Kg	99
53)	1,2-Dibromoethane	10.16	107	107115	4.15	ug/Kg	98
56)	Chlorobenzene	10.72	112	448136	4.41	ug/Kg	93
57)	1,1,1,2-Tetrachloroethane	10.82	131	135460	4.12	ug/Kg	94
58)	Ethylbenzene	10.83	91	708144	4.36	ug/Kg	98
59)	m,p-Xylene	10.97	106	556448	8.57	ug/Kg	100
60)	o-Xylene	11.45	91	522919	4.18	ug/Kg	96
61)	Styrene	11.47	104	400956	4.06	ug/Kg	90
62)	Bromoform	11.71	173	54309	3.45	ug/Kg	99
63)	Isopropylbenzene	11.88	105	606440	3.84	ug/Kg	97
65)	Bromobenzene	12.27	156	173771	4.20	ug/Kg	96
66)	1,1,2,2-Tetrachloroethane	12.26	83	204556+	4.17	ug/Kg	98
67)	1,2,3-Trichloropropane	12.32	110	37901	4.64	ug/Kg	92
68)	n-Propylbenzene	12.38	91	843757	4.36	ug/Kg	98
69)	2-Chlorotoluene	12.50	126	174549	4.23	ug/Kg	92
70)	4-Chlorotoluene	12.62	126	172507	4.20	ug/Kg#	82
71)	1,3,5-Trimethylbenzene	12.58	105	555297	4.30	ug/Kg	99
72)	t-Butylbenzene	12.98	119	493522	4.12	ug/Kg	95
73)	1,2,4-Trimethylbenzene	13.04	105	577226	4.40	ug/Kg	96
74)	sec-Butylbenzene	13.25	105	737484	4.43	ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	604871	4.16	ug/Kg	98
76)	1,3-Dichlorobenzene	13.40	146	325256	4.14	ug/Kg	97
78)	1,4-Dichlorobenzene	13.51	146	339393	4.14	ug/Kg	99
79)	n-Butylbenzene	13.92	134	153204	4.07	ug/Kg	99
80)	1,2-Dichlorobenzene	13.97	146	299457	3.96	ug/Kg	98
81)	1,2-Dibromo-3-chloropropan	14.93	75	15856	3.53	ug/Kg	94
82)	1,3,5-Trichlorobenzene	15.18	180	230439	3.59	ug/Kg	97
83)	1,2,4-Trichlorobenzene	15.95	180	226318	4.05	ug/Kg	96
84)	Hexachlorobutadiene	16.15	225	151605	4.33	ug/Kg	95
85)	Naphthalene	16.26	128	415459	4.21	ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	202940	3.82	ug/Kg	96

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19564.D Vial: 4
Acq On : 22 Nov 2004 10:03 am Operator: frz
Sample : 4.0 ug/Kg ICV/bs voa1041 Inst : VOAInst#3
Misc : soil #5.000 12496304 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14 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



Evaluate Continuing Calibration Report

Data File : E:\DATA\11222004\AG19564.D Vial: 4
Acq On : 22 Nov 2004 10:03 am Operator: frz
Sample : 4.0 ug/Kg ICV/bs voa1041 Inst : VOAInst#3
Misc : soil #5.000 12496304 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	88	0.01
2	T	Dichlorodifluoromethane	4.000	4.232	-5.8	94	0.00
3	TP	Chloromethane	4.000	4.208	-5.2	87	0.00
4	CT	Vinyl Chloride	4.000	4.281	-7.0	91	-0.01
5	T	Bromomethane	4.000	4.256	-6.4	92	-0.01
6	T	Chloroethane	4.000	4.768	-19.2	93	0.00
7	T	Trichlorofluoromethane	4.000	3.873	3.2	87	-0.01
8	CMT	1,1-Dichloroethene	4.000	4.121	-3.0	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	4.000	3.629	9.3	80	-0.01
10	T	Carbon Disulfide	4.000	17.077	-326.9#	385	-0.02
11	T	Acetone	20.000	16.349	18.3	58	0.01
12	t	tert-Butyl alcohol	20.000	20.181	-0.9	84	0.00
13	T	Methylene Chloride	4.000	3.796	5.1	83	-0.01
14	T	Methyl tert-Butyl ether	4.000	4.224	-5.6	89	0.01
15	T	trans-1,2-Dichloroethene	4.000	4.427	-10.7	96	0.00
16	T	Hexane	4.000	3.233	19.2	63	-0.01
17	t	Diisopropyl ether	4.000	4.315	-7.9	85	0.01
18	TP	1,1-Dichloroethane	4.000	4.326	-8.1	98	0.00
19	T	Vinyl Acetate	20.000	12.681	36.6#	52	0.00
20	t	Ethyl tert-butyl ether	4.000	4.326	-8.1	92	0.00
21	T	2,2-Dichloropropane	4.000	4.222	-5.6	98	0.00
22	T	cis-1,2-Dichloroethene	4.000	4.162	-4.0	92	0.00
23	T	2-Butanone	20.000	16.653	16.7	66	0.01
24	T	Bromochloromethane	4.000	4.536	-13.4	93	0.00
25	CT	Chloroform	4.000	4.381	-9.5	96	0.00
26	T	1,1,1-Trichloroethane	4.000	4.365	-9.1	99	0.00
27	T	Cyclohexane	4.000	3.581	10.5	81	0.00
28	S	Dibromofluoromethane(S)	10.000	9.700	3.0	85	0.00
29	T	Carbon Tetrachloride	4.000	4.102	-2.6	92	0.00
30	T	1,1-Dichloropropene	4.000	4.030	-0.8	89	0.00
31	t	tert-Amyl methyl ether	4.000	4.102	-2.6	88	0.01
32	MT	Benzene	4.000	4.496	-12.4	98	0.00
33	T	1,2-Dichloroethane	4.000	4.343	-8.6	95	0.00
34	S	Fluorobenzene(S)	10.000	9.525	4.7	85	0.00
35	I	1,4-Difluorobenzene(I)	10.000	10.000	0.0	89	0.00
36	S	Trifluorotoluene(S)	10.000	18.230	-82.3#	153	0.00
37	MT	Trichloroethene	4.000	4.313	-7.8	96	0.00
38	T	Methylcyclohexane	4.000	3.444	13.9	74	-0.01
39	CT	1,2-Dichloropropane	4.000	4.158	-4.0	93	0.00
40	T	Dibromomethane	4.000	4.324	-8.1	93	0.00
41	T	Bromodichloromethane	4.000	4.244	-6.1	94	0.00
42	T	2-Chloroethyl Vinyl Ether	20.000	22.802	-14.0	87	0.04
43	T	cis-1,3-Dichloropropene	4.000	4.216	-5.4	98	-0.01
44	T	4-Methyl-2-pentanone	20.000	20.073	-0.4	88	0.00
45	S	Toluene-d8(S)	10.000	9.521	4.8	85	0.00
46	CMT	Toluene	4.000	4.349	-8.7	96	0.00
47	T	trans-1,3-Dichloropropene	4.000	3.771	5.7	87	0.00
48	T	1,1,2-Trichloroethane	4.000	4.190	-4.8	94	0.00
49	T	Tetrachloroethene	4.000	4.156	-3.9	93	0.00
50	T	1,3-Dichloropropane	4.000	4.288	-7.2	93	0.00
51	T	2-Hexanone	20.000	15.705	21.5#	64	0.00
52	T	Dibromochloromethane	4.000	3.809	4.8	90	0.00
53	T	1,2-Dibromoethane	4.000	4.151	-3.8	88	0.00

(#) = Out of Range
AG19564.D 11022004_LOWSOIL_8260.M Tue Nov 23 11:44:02 2004 Page 1

Evaluate Continuing Calibration Report

Data File : E:\DATA\11222004\AG19564.D Vial: 4
Acq On : 22 Nov 2004 10:03 am Operator: frz
Sample : 4.0 ug/Kg ICV/bs voa1041 Inst : VOAInst#3
Misc : soil #5.000 12496304 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	9.838	1.6	88	0.01
56	MTP	Chlorobenzene	4.000	4.408	-10.2	94	0.01
57	T	1,1,1,2-Tetrachloroethane	4.000	4.122	-3.0	95	0.01
58	CT	Ethylbenzene	4.000	4.365	-9.1	92	0.01
59	T	m,p-Xylene	8.000	8.570	-7.1	92	0.01
60	T	o-Xylene	4.000	4.184	-4.6	92	0.01
61	T	Styrene	4.000	4.060	-1.5	90	0.01
62	TP	Bromoform	4.000	3.452	13.7	89	0.01
63	T	Isopropylbenzene	4.000	3.841	4.0	83	0.01
64	S	Bromofluorobenzene(S)	10.000	9.880	1.2	86	0.01
65	T	Bromobenzene	4.000	4.200	-5.0	96	0.01
66	TP	1,1,2,2-Tetrachloroethane	4.000	4.173	-4.3	91	0.00
67	T	1,2,3-Trichloropropane	4.000	4.637	-15.9	92	0.01
68	T	n-Propylbenzene	4.000	4.360	-9.0	90	0.01
69	T	2-Chlorotoluene	4.000	4.230	-5.8	93	0.01
70	T	4-Chlorotoluene	4.000	4.199	-5.0	93	0.01
71	T	1,3,5-Trimethylbenzene	4.000	4.299	-7.5	95	0.01
72	T	t-Butylbenzene	4.000	4.118	-3.0	92	0.01
73	T	1,2,4-Trimethylbenzene	4.000	4.398	-9.9	95	0.01
74	T	sec-Butylbenzene	4.000	4.427	-10.7	94	0.02
75	T	4-Isopropyltoluene	4.000	4.158	-4.0	89	0.02
76	T	1,3-Dichlorobenzene	4.000	4.139	-3.5	89	0.02
77	I	1,4-Dichlorobenzene-d4(I)	10.000	10.000	0.0	89	-0.01
78	T	1,4-Dichlorobenzene	4.000	4.141	-3.5	95	0.00
79	T	n-Butylbenzene	4.000	4.073	-1.8	90	0.00
80	T	1,2-Dichlorobenzene	4.000	3.962	0.9	89	0.00
81	T	1,2-Dibromo-3-chloropropane	4.000	3.534	11.7	91	-0.01
82	T	1,3,5-Trichlorobenzene	4.000	3.595	10.1	82	-0.01
83	T	1,2,4-Trichlorobenzene	4.000	4.048	-1.2	93	0.00
84	T	Hexachlorobutadiene	4.000	4.335	-8.4	93	0.00
85	T	Naphthalene	4.000	4.214	-5.4	98	0.00
86	T	1,2,3-Trichlorobenzene	4.000	3.822	4.4	89	0.00

Evaluate Continuing Calibration Report

Data File : E:\DATA\11222004\AG19564.D Vial: 4
Acq On : 22 Nov 2004 10:03 am Operator: frz
Sample : 4.0 ug/Kg ICV/bs voa1041 Inst : VOAInst#3
Misc : soil #5.000 12496304 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	88	0.01
2	T	Dichlorodifluoromethane	0.542	0.574	-5.9	94	0.00
3	TP	Chloromethane	0.643	0.579	10.0	87	0.00
4	CT	Vinyl Chloride	0.374	0.401	-7.2	91	-0.01
5	T	Bromomethane	0.141	0.130	7.8	92	-0.01
6	T	Chloroethane	0.175	0.208	-18.9	93	0.00
7	T	Trichlorofluoromethane	0.586	0.528	9.9	87	-0.01
8	CMT	1,1-Dichloroethene	0.455	0.468	-2.9	91	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.439	0.398	9.3	80	-0.01
10	T	Carbon Disulfide	1.712	7.308	-326.9#	385#	-0.02
11	T	Acetone	0.122	0.082#	32.8#	58	0.01
12	t	tert-Butyl alcohol	0.238	0.240	-0.8	84	0.00
13	T	Methylene Chloride	0.794	0.645	18.8	83	-0.01
14	T	Methyl tert-Butyl ether	0.997	1.053	-5.6	89	0.01
15	T	trans-1,2-Dichloroethene	0.502	0.555	-10.6	96	0.00
16	T	Hexane	0.393	0.308	21.6#	63	-0.01
17	t	Diisopropyl ether	1.411	1.522	-7.9	85	0.01
18	TP	1,1-Dichloroethane	0.842	0.911	-8.2	98	0.00
19	T	Vinyl Acetate	0.819	0.519	36.6#	52	0.00
20	t	Ethyl tert-butyl ether	0.493	0.533	-8.1	92	0.00
21	T	2,2-Dichloropropane	0.663	0.700	-5.6	98	0.00
22	T	cis-1,2-Dichloroethene	0.544	0.566	-4.0	92	0.00
23	T	2-Butanone	0.012	0.009#	25.0#	66	0.01
24	T	Bromochloromethane	0.353	0.400	-13.3	93	0.00
25	CT	Chloroform	0.533	0.584	-9.6	96	0.00
26	T	1,1,1-Trichloroethane	0.696	0.760	-9.2	99	0.00
27	T	Cyclohexane	0.925	0.828	10.5	81	0.00
28	S	Dibromofluoromethane(S)	0.471	0.457	3.0	85	0.00
29	T	Carbon Tetrachloride	0.586	0.601	-2.6	92	0.00
30	T	1,1-Dichloropropene	0.621	0.626	-0.8	89	0.00
31	t	tert-Amyl methyl ether	0.994	1.020	-2.6	88	0.01
32	MT	Benzene	1.821	2.047	-12.4	98	0.00
33	T	1,2-Dichloroethane	0.540	0.587	-8.7	95	0.00
34	S	Fluorobenzene(S)	1.817	1.731	4.7	85	0.00
35	I	1,4-Difluorobenzene(I)	1.000	1.000	0.0	89	0.00
36	S	Trifluorotoluene(S)	0.520	0.949	-82.5#	153	0.00
37	MT	Trichloroethene	0.346	0.373	-7.8	96	0.00
38	T	Methylcyclohexane	0.425	0.366	13.9	74	-0.01
39	CT	1,2-Dichloropropane	0.304	0.316	-3.9	93	0.00
40	T	Dibromomethane	0.181	0.196	-8.3	93	0.00
41	T	Bromodichloromethane	0.354	0.376	-6.2	94	0.00
42	T	2-Chloroethyl Vinyl Ether	0.060	0.069#	-15.0	87	0.04
43	T	cis-1,3-Dichloropropene	0.403	0.425	-5.5	98	-0.01
44	T	4-Methyl-2-pentanone	0.029	0.029#	0.0	88	0.00
45	S	Toluene-d8(S)	1.095	1.042	4.8	85	0.00
46	CMT	Toluene	1.267	1.377	-8.7	96	0.00
47	T	trans-1,3-Dichloropropene	0.334	0.315	5.7	87	0.00
48	T	1,1,2-Trichloroethane	0.227	0.237	-4.4	94	0.00
49	T	Tetrachloroethene	0.280	0.291	-3.9	93	0.00
50	T	1,3-Dichloropropane	0.359	0.385	-7.2	93	0.00
51	T	2-Hexanone	0.011	0.008#	27.3#	64	0.00
52	T	Dibromochloromethane	0.227	0.216	4.8	90	0.00
53	T	1,2-Dibromoethane	0.209	0.217	-3.8	88	0.00

(#) = Out of Range

00318

Evaluate Continuing Calibration Report

Data File : E:\DATA\11222004\AG19564.D Vial: 4
Acq On : 22 Nov 2004 10:03 am Operator: frz
Sample : 4.0 ug/Kg ICV/bs voa1041 Inst : VOAInst#3
Misc : soil #5.000 12496304 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	7.211	1.6	88	0.01
56	MTP	Chlorobenzene	4.570	5.036	-10.2	94	0.01
57	T	1,1,1,2-Tetrachloroethane	1.477	1.522	-3.0	95	0.01
58	CT	Ethylbenzene	7.293	7.958	-9.1	92	0.01
59	T	m,p-Xylene	2.919	3.127	-7.1	92	0.01
60	T	o-Xylene	5.618	5.876	-4.6	92	0.01
61	T	Styrene	4.439	4.506	-1.5	90	0.01
62	TP	Bromoform	0.707	0.610	13.7	89	0.01
63	T	Isopropylbenzene	7.096	6.815	4.0	83	0.01
64	S	Bromofluorobenzene(S)	1.884	1.862	1.2	86	0.01
65	T	Bromobenzene	1.860	1.953	-5.0	96	0.01
66	TP	1,1,2,2-Tetrachloroethane	2.203	2.299	-4.4	91	0.00
67	T	1,2,3-Trichloropropane	0.400	0.426	-6.5	92	0.01
68	T	n-Propylbenzene	8.699	9.482	-9.0	90	0.01
69	T	2-Chlorotoluene	1.855	1.961	-5.7	93	0.01
70	T	4-Chlorotoluene	1.847	1.939	-5.0	93	0.01
71	T	1,3,5-Trimethylbenzene	5.807	6.240	-7.5	95	0.01
72	T	t-Butylbenzene	5.386	5.546	-3.0	92	0.01
73	T	1,2,4-Trimethylbenzene	5.900	6.487	-9.9	95	0.01
74	T	sec-Butylbenzene	7.488	8.287	-10.7	94	0.02
75	T	4-Isopropyltoluene	6.539	6.797	-3.9	89	0.02
76	T	1,3-Dichlorobenzene	3.532	3.655	-3.5	89	0.02
77	I	1,4-Dichlorobenzene-d4(I)	1.000	1.000	0.0	89	-0.01
78	T	1,4-Dichlorobenzene	1.674	1.733	-3.5	95	0.00
79	T	n-Butylbenzene	0.768	0.782	-1.8	90	0.00
80	T	1,2-Dichlorobenzene	1.544	1.529	1.0	89	0.00
81	T	1,2-Dibromo-3-chloropropane	0.092	0.081#	12.0	91	-0.01
82	T	1,3,5-Trichlorobenzene	1.309	1.177	10.1	82	-0.01
83	T	1,2,4-Trichlorobenzene	1.142	1.156	-1.2	93	0.00
84	T	Hexachlorobutadiene	0.753	0.774	-2.8	93	0.00
85	T	Naphthalene	2.014	2.122	-5.4	98	0.00
86	T	1,2,3-Trichlorobenzene	1.085	1.036	4.5	89	0.00

Sequence Log

Directory : g:\DATA\11292004

#	Filename	Sample Name	Date/Time
1	ag19628.d	bfb tune	11/29/04 10:57
2	ag19629.d	5.0 ug/L 8260 cca1	11/29/04 12:21
3	ag19630.d	5.0 ug/L LCS/BS voa1050	11/29/04 14:33
4	ag19631.d	5.0 ug/L LCS/BSD 8260 voa1050	11/29/04 14:59
5	ag19632.d	IB	11/29/04 15:26
6	ag19633.d	MB voa1050	11/29/04 15:52
7	ag19634.d	124945-1 voa1050	11/29/04 16:30
8	ag19635.d	124945-4 voa1050	11/29/04 16:56
9	ag19636.d	125014-1 1:1000 voa1050	11/29/04 17:22
10	ag19637.d	124993-8 voa1050	11/29/04 17:48
11	ag19638.d	124993-9 voa1050	11/29/04 18:14
12	ag19639.d	124993-10 voa1050	11/29/04 18:40
13	ag19640.d	124993-11 voa1050	11/29/04 19:06
14	ag19641.d	124993-11 MS voa1050	11/29/04 19:32
15	ag19642.d	124993-11 MSD voa1050	11/29/04 19:58
16	ag19643.d	124993-12 voa1050	11/29/04 20:25
17	ag19644.d	124993-13 voa1050	11/29/04 20:51
18	ag19645.d	124993-14 voa1050	11/29/04 21:17
19	ag19646.d	124993-15 voa1050	11/29/04 21:43
20	ag19647.d	124993-16 voa1050	11/29/04 22:09
21	ag19648.d	rinse	11/29/04 22:35

00320

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19629.D Vial: 3
Acq On : 29 Nov 2004 12:21 pm Operator: crf
Sample : 5.0 ug/L 8260 ccal Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 17:00:17 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	905695	10.00	ug/L		0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1344410	10.00	ug/L		0.00
62) D5-Chlorobenzene(I)	10.68	119	257541	10.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4(I)	13.48	152	591137	10.00	ug/L		-0.01
System Monitoring Compounds							
33) Dibromofluoromethane(S)	6.48	111	847206	22.30	ug/L		0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 223.00%#				
40) Fluorobenzene(S)	7.23	96	3275571	23.18	ug/L		0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 231.80%#				
42) Trifluorotoluene(S)	7.96	146	803949	12.18	ug/L		0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 121.80%#				
53) Toluene-d8(S)	9.02	98	3113469	23.44	ug/L		0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 234.40%#				
63) Ethylbenzene-d10(S)	10.74	98	3868456	24.42	ug/L		0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 244.20%#				
72) Bromofluorobenzene(S)	12.09	174	1085831	22.89	ug/L		0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 228.90%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.64	85	184685	5.06	ug/L		99
3) Chloromethane	1.88	50	184783	4.73	ug/L		100
4) Vinyl Chloride	2.00	62	207394	5.35	ug/L		98
5) Bromomethane	2.43	94	43955	6.70	ug/L		92
6) Chloroethane	2.57	64	111981	4.93	ug/L		92
7) Trichlorofluoromethane	2.92	101	271397	5.14	ug/L		97
8) Acrolein	3.50	56	81002	21.62	ug/L		100
9) Ethyl ether	3.33	59	723516	24.16	ug/L		95
10) 1,1-Dichloroethene	3.65	96	161509	4.93	ug/L		98
11) 1,1,2-Trichlorotrifluoroet	3.66	151	153606	5.09	ug/L		90
12) Carbon Disulfide	3.93	76	597687	5.08	ug/L		100
13) Acetone	3.71	43	490221	23.41	ug/L		98
14) tert-Butyl alcohol	5.72	59	501964	24.24	ug/L		96
15) Methylene Chloride	4.31	49	227617	4.76	ug/L		96
16) Methyl tert-Butyl ether	4.65	73	444990	5.04	ug/L		97
17) trans-1,2-Dichloroethene	4.66	96	186985	4.97	ug/L		95
18) Acrylonitrile	4.63	53	271725	23.25	ug/L		98
19) Hexane	5.00	56	113110	5.19	ug/L		91
20) Diisopropyl ether	5.27	45	602178	5.05	ug/L		98
21) 1,1-Dichloroethane	5.20	63	309915	4.96	ug/L		97
22) Vinyl Acetate	5.26	43	1976682	28.51	ug/L	#	100
23) Ethyl tert-butyl ether	5.72	87	215364	4.81	ug/L		97
24) 2,2-Dichloropropane	5.88	77	227432	5.01	ug/L		97
25) cis-1,2-Dichloroethene	5.90	96	204395	4.97	ug/L		89
26) 2-Butanone	5.90	57	37781	22.03	ug/L	#	70
27) Ethyl acetate	5.98	45	101758	23.36	ug/L		96
28) Tetrahydrofuran	6.23	71	83807	23.53	ug/L		88
29) Bromochloromethane	6.19	49	153325	5.02	ug/L		97
30) Chloroform	6.28	85	202460	4.94	ug/L		94
31) 1,1,1-Trichloroethane	6.48	97	265412	5.01	ug/L		93
32) Cyclohexane	6.54	56	296800	4.61	ug/L		92
34) Carbon Tetrachloride	6.67	119	217521	5.14	ug/L		99
35) 1,1-Dichloropropene	6.67	75	235373	4.88	ug/L		100
36) tert-Amyl methyl ether	7.02	73	442964	4.76	ug/L		97
37) Benzene	6.91	78	728761	4.94	ug/L		97
38) iso-Butyl alcohol	6.85	43	470399	424.14	ug/L		99

(#) = qualifier out of range (m) = manual integration

30848
00321

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19629.D Vial: 3
Acq On : 29 Nov 2004 12:21 pm Operator: crf
Sample : 5.0 ug/L 8260 ccal Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 17:00:17 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

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	241239	4.93 ug/L		96
43)	Trichloroethene	7.65	130	204995	4.85 ug/L		92
44)	n-Butyl alcohol	7.59	41	191620	416.78 ug/L		96
45)	Methylcyclohexane	7.85	55	194688	4.94 ug/L		96
46)	1,2-Dichloropropane	7.89	63	188643	5.02 ug/L		99
47)	Dibromomethane	8.05	174	125892	4.82 ug/L		96
48)	1,4-Dioxane	8.05	88	35499	112.05 ug/L		86
49)	Bromodichloromethane	8.22	83	231991	5.12 ug/L		95
50)	2-Chloroethyl Vinyl Ether	8.54	63	163628	30.31 ug/L		98
51)	cis-1,3-Dichloropropene	8.71	75	268711	5.10 ug/L		99
52)	4-Methyl-2-pentanone	8.87	85	119168	22.69 ug/L		96
54)	Toluene	9.09	91	790106	4.89 ug/L		99
55)	trans-1,3-Dichloropropene	9.35	75	239318	5.01 ug/L		98
56)	1,1,2-Trichloroethane	9.56	97	155674	4.68 ug/L		97
57)	Tetrachloroethene	9.73	164	169041	4.97 ug/L		96
58)	1,3-Dichloropropane	9.75	76	260672	4.80 ug/L		98
59)	2-Hexanone	9.83	85	59383	23.88 ug/L	#	74
60)	Dibromochloromethane	10.03	129	166714	5.14 ug/L		93
61)	1,2-Dibromoethane	10.15	107	156616	4.82 ug/L		99
64)	Chlorobenzene	10.72	112	556300	5.07 ug/L		87
65)	1,1,1,2-Tetrachloroethane	10.82	131	174742	5.10 ug/L		97
66)	Ethylbenzene	10.83	91	839353	4.92 ug/L		100
67)	m,p-Xylene	10.97	106	693879	10.22 ug/L		99
68)	o-Xylene	11.45	91	655545	4.92 ug/L		94
69)	Styrene	11.46	104	522366	5.10 ug/L		89
70)	Bromoform	11.71	173	105279	5.28 ug/L		97
71)	Isopropylbenzene	11.87	105	781794	5.06 ug/L		99
73)	Bromobenzene	12.27	156	232554	5.01 ug/L		94
74)	1,1,2,2-Tetrachloroethane	12.26	83	298661+	4.84 ug/L		99
75)	1,2,3-Trichloropropane	12.30	110	53442	4.67 ug/L		95
76)	n-Propylbenzene	12.36	91	969963	4.98 ug/L		97
77)	2-Chlorotoluene	12.48	126	209993	4.95 ug/L		98
78)	4-Chlorotoluene	12.62	126	216596	4.90 ug/L		90
79)	1,3,5-Trimethylbenzene	12.58	105	645708	5.08 ug/L		98
80)	t-Butylbenzene	12.97	119	549285	5.13 ug/L		94
81)	1,2,4-Trimethylbenzene	13.04	105	674618	5.15 ug/L		95
82)	sec-Butylbenzene	13.23	105	730624	5.16 ug/L		99
83)	4-Isopropyltoluene	13.42	119	654181	5.23 ug/L		98
84)	1,3-Dichlorobenzene	13.40	146	417177	4.96 ug/L		99
86)	1,4-Dichlorobenzene	13.51	146	421545	4.74 ug/L		99
87)	n-Butylbenzene	13.92	134	146965	5.16 ug/L		93
88)	1,2-Dichlorobenzene	13.97	146	400271	4.76 ug/L		99
89)	1,2-Dibromo-3-chloropropan	14.93	75	29252	5.05 ug/L		83
90)	1,3,5-Trichlorobenzene	15.18	180	275412	4.92 ug/L		96
91)	1,2,4-Trichlorobenzene	15.95	180	265361	4.94 ug/L		99
92)	Hexachlorobutadiene	16.15	225	107080	5.22 ug/L		89
93)	Naphthalene	16.26	128	538147	4.57 ug/L		97
94)	1,2,3-Trichlorobenzene	16.56	180	249141	4.82 ug/L		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AG19629.D 11232004_AQUEOUS_8260.M Wed Dec 01 17:00:53 2004

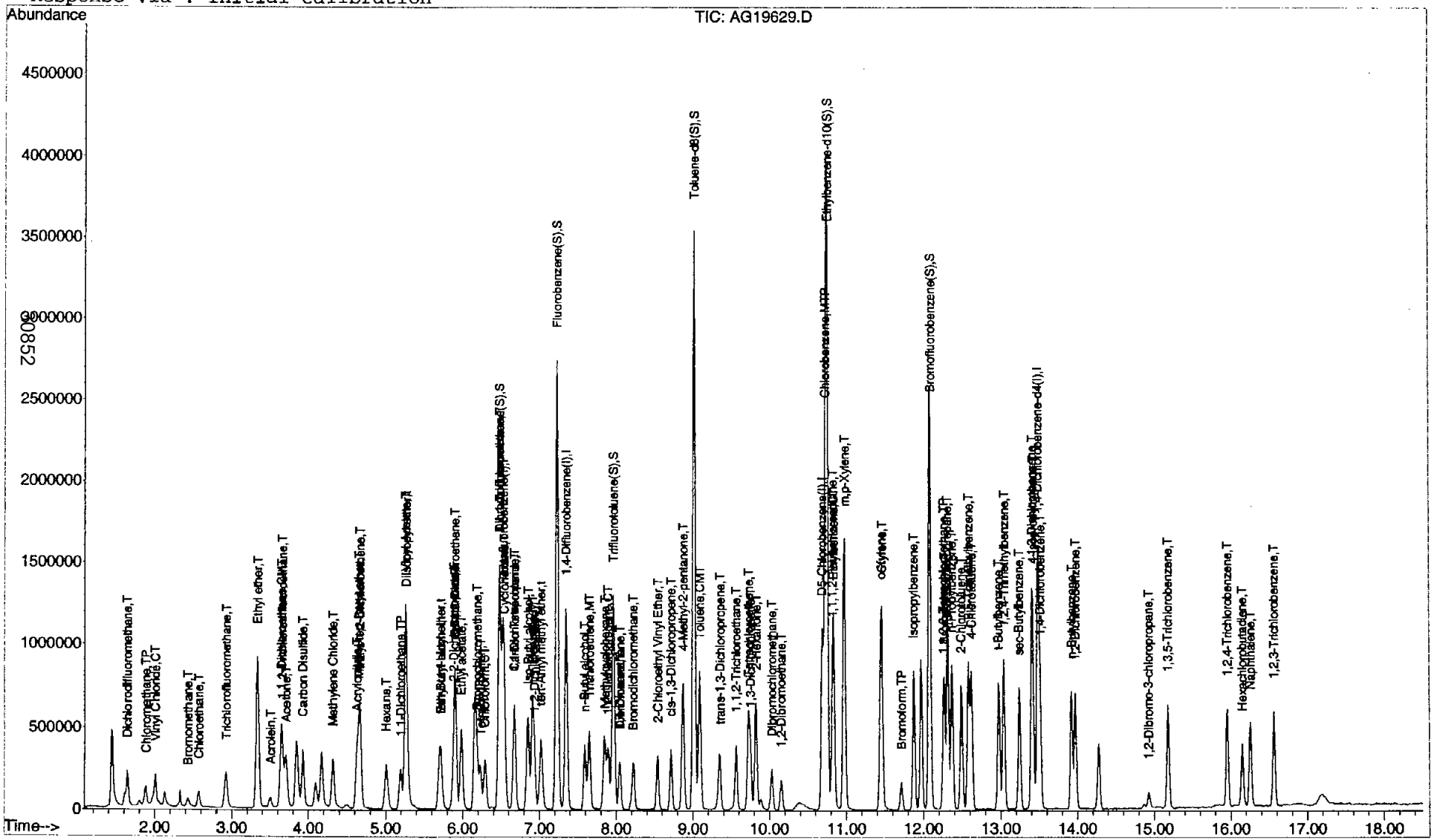
Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19629.D
Acq On : 29 Nov 2004 12:21 pm
Sample : 5.0 ug/L 8260 ccal
Misc : water
MS Integration Params: RTEINT.P
Quant Time: Dec 1 17:00 2004

Vial: 3
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\11292004\AG19629.D
Acq On : 29 Nov 2004 12:21 pm
Sample : 5.0 ug/L 8260 ccal
Misc : water
MS Integration Params: RTEINT.P

Vial: 3
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	109	0.00
2	T	Dichlorodifluoromethane	5.000	5.061	-1.2	104	-0.01
3	TP	Chloromethane	5.000	4.726	5.5	112	0.00
4	CT	Vinyl Chloride	5.000	5.350	-7.0	109	-0.01
5	T	Bromomethane	5.000	6.700	-34.0#	142	-0.01
6	T	Chloroethane	5.000	4.927	1.5	113	0.00
7	T	Trichlorofluoromethane	5.000	5.136	-2.7	106	0.00
8	T	Acrolein	25.000	21.619	13.5	93	-0.01
9	T	Ethyl ether	25.000	24.157	3.4	100	0.00
10	CMT	1,1-Dichloroethene	5.000	4.930	1.4	107	0.00
11	T	1,1,2-Trichlorotrifluoroeth	5.000	5.093	-1.9	107	0.00
12	T	Carbon Disulfide	5.000	5.080	-1.6	109	-0.01
13	T	Acetone	25.000	23.406	6.4	108	0.00
14	t	tert-Butyl alcohol	25.000	24.235	3.1	104	0.00
15	T	Methylene Chloride	5.000	4.761	4.8	104	-0.01
16	T	Methyl tert-Butyl ether	5.000	5.038	-0.8	105	0.00
17	T	trans-1,2-Dichloroethene	5.000	4.967	0.7	105	-0.01
18	T	Acrylonitrile	25.000	23.246	7.0	98	-0.01
19	T	Hexane	5.000	5.187	-3.7	112	-0.01
20	t	Diisopropyl ether	5.000	5.049	-1.0	105	0.00
21	TP	1,1-Dichloroethane	5.000	4.959	0.8	107	0.00
22	T	Vinyl Acetate	25.000	28.506	-14.0	109	-0.01
23	t	Ethyl tert-butyl ether	5.000	4.810	3.8	104	0.00
24	T	2,2-Dichloropropane	5.000	5.014	-0.3	107	0.00
25	T	cis-1,2-Dichloroethene	5.000	4.970	0.6	105	-0.01
26	T	2-Butanone	25.000	22.029	11.9	96	-0.01
27	T	Ethyl acetate	25.000	23.364	6.5	99	0.00
28	T	Tetrahydrofuran	25.000	23.534	5.9	97	0.00
29	T	Bromochloromethane	5.000	5.023	-0.5	103	0.00
30	CT	Chloroform	5.000	4.935	1.3	106	-0.01
31	T	1,1,1-Trichloroethane	5.000	5.010	-0.2	107	0.00
32	T	Cyclohexane	5.000	4.613	7.7	103	0.00
33	S	Dibromofluoromethane(S)	12.500	22.296	-78.4#	195	0.00
34	T	Carbon Tetrachloride	5.000	5.141	-2.8	110	-0.01
35	T	1,1-Dichloropropene	5.000	4.882	2.4	106	0.00
36	t	tert-Amyl methyl ether	5.000	4.764	4.7	102	0.00
37	MT	Benzene	5.000	4.936	1.3	106	0.00
38	T	iso-Butyl alcohol	500.000	424.140	15.2	88	0.00
39	T	1,2-Dichloroethane	5.000	4.925	1.5	104	0.00
40	S	Fluorobenzene(S)	12.500	23.182	-85.5#	195	0.00
41	I	1,4-Difluorobenzene(I)	10.000	10.000	0.0	109	0.00
42	S	Trifluorotoluene(S)	12.500	12.182	2.5	105	0.01
43	MT	Trichloroethene	5.000	4.854	2.9	106	0.01
44	T	n-Butyl alcohol	500.000	416.785	16.6	86	0.00
45	T	Methylcyclohexane	5.000	4.944	1.1	107	0.01
46	CT	1,2-Dichloropropane	5.000	5.016	-0.3	110	0.00
47	T	Dibromomethane	5.000	4.824	3.5	105	0.01
48	T	1,4-Dioxane	125.000	112.054	10.4	98	0.01
49	T	Bromodichloromethane	5.000	5.122	-2.4	112	0.00
50	T	2-Chloroethyl Vinyl Ether	25.000	30.306	-21.2#	138	0.01
51	T	cis-1,3-Dichloropropene	5.000	5.098	-2.0	111	0.00
52	T	4-Methyl-2-pentanone	25.000	22.693	9.2	93	0.01
53	S	Toluene-d8(S)	12.500	23.437	-87.5#	192	0.01
54	CMT	Toluene	5.000	4.888	2.2	107	0.01

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : E:\DATA\11292004\AG19629.D Vial: 3
Acq On : 29 Nov 2004 12:21 pm Operator: crf
Sample : 5.0 ug/L 8260 ccal Inst : VOAInst#3
Misc : water 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	5.006	-0.1	105	0.02
56	T	1,1,2-Trichloroethane	5.000	4.678	6.4	98	0.00
57	T	Tetrachloroethene	5.000	4.972	0.6	105	0.02
58	T	1,3-Dichloropropane	5.000	4.798	4.0	104	0.02
59	T	2-Hexanone	25.000	23.877	4.5	103	0.02
60	T	Dibromochloromethane	5.000	5.139	-2.8	112	0.02
61	T	1,2-Dibromoethane	5.000	4.815	3.7	100	0.00
62	I	D5-Chlorobenzene(I)	10.000	10.000	0.0	107	0.00
63	S	Ethylbenzene-d10(S)	12.500	24.422	-95.4#	201	0.01
64	MTP	Chlorobenzene	5.000	5.071	-1.4	109	0.01
65	T	1,1,1,2-Tetrachloroethane	5.000	5.102	-2.0	112	0.01
66	CT	Ethylbenzene	5.000	4.922	1.6	104	0.00
67	T	m,p-Xylene	10.000	10.224	-2.2	107	0.01
68	T	o-Xylene	5.000	4.922	1.6	105	0.01
69	T	Styrene	5.000	5.102	-2.0	108	0.00
70	TP	Bromoform	5.000	5.279	-5.6	120	0.01
71	T	Isopropylbenzene	5.000	5.058	-1.2	106	0.00
72	S	Bromofluorobenzene(S)	12.500	22.891	-83.1#	193	0.01
73	T	Bromobenzene	5.000	5.011	-0.2	108	0.01
74	TP	1,1,2,2-Tetrachloroethane	5.000	4.844	3.1	100	0.00
75	T	1,2,3-Trichloropropane	5.000	4.674	6.5	94	0.00
76	T	n-Propylbenzene	5.000	4.985	0.3	104	0.00
77	T	2-Chlorotoluene	5.000	4.947	1.1	106	0.00
78	T	4-Chlorotoluene	5.000	4.900	2.0	106	0.01
79	T	1,3,5-Trimethylbenzene	5.000	5.081	-1.6	105	0.01
80	T	t-Butylbenzene	5.000	5.128	-2.6	111	0.00
81	T	1,2,4-Trimethylbenzene	5.000	5.149	-3.0	105	0.01
82	T	sec-Butylbenzene	5.000	5.160	-3.2	110	0.00
83	T	4-Isopropyltoluene	5.000	5.226	-4.5	108	0.02
84	T	1,3-Dichlorobenzene	5.000	4.965	0.7	106	0.02
85	I	1,4-Dichlorobenzene-d4(I)	10.000	10.000	0.0	110	-0.01
86	T	1,4-Dichlorobenzene	5.000	4.735	5.3	103	0.00
87	T	n-Butylbenzene	5.000	5.158	-3.2	106	0.00
88	T	1,2-Dichlorobenzene	5.000	4.765	4.7	102	0.00
89	T	1,2-Dibromo-3-chloropropane	5.000	5.054	-1.1	117	-0.01
90	T	1,3,5-Trichlorobenzene	5.000	4.921	1.6	106	-0.01
91	T	1,2,4-Trichlorobenzene	5.000	4.936	1.3	106	0.00
92	T	Hexachlorobutadiene	5.000	5.221	-4.4	118	0.00
93	T	Naphthalene	5.000	4.568	8.6	102	0.00
94	T	1,2,3-Trichlorobenzene	5.000	4.815	3.7	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : E:\DATA\11292004\AG19629.D
Acq On : 29 Nov 2004 12:21 pm
Sample : 5.0 ug/L 8260 ccal
Misc : water
MS Integration Params: RTEINT.P

Vial: 3
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)
1	I	Pentafluorobenzene(I)	1.000	1.000	0.0	109	0.00
2	T	Dichlorodifluoromethane	0.403	0.408	-1.2	104	-0.01
3	TP	Chloromethane	0.453	0.408	9.9	112	0.00
4	CT	Vinyl Chloride	0.428	0.458	-7.0	109	-0.01
5	T	Bromomethane	0.072	0.097#	-34.7#	142	-0.01
6	T	Chloroethane	0.251	0.247	1.6	113	0.00
7	T	Trichlorofluoromethane	0.583	0.599	-2.7	106	0.00
8	T	Acrolein	0.041	0.036#	12.2	93	-0.01
9	T	Ethyl ether	0.331	0.320	3.3	100	0.00
10	CMT	1,1-Dichloroethene	0.362	0.357	1.4	107	0.00
11	T	1,1,2-Trichlorotrifluoroeth	0.333	0.339	-1.8	107	0.00
12	T	Carbon Disulfide	1.299	1.320	-1.6	109	-0.01
13	T	Acetone	0.231	0.217	6.1	108	0.00
14	t	tert-Butyl alcohol	0.229	0.222	3.1	104	0.00
15	T	Methylene Chloride	0.528	0.503	4.7	104	-0.01
16	T	Methyl tert-Butyl ether	0.975	0.983	-0.8	105	0.00
17	T	trans-1,2-Dichloroethene	0.416	0.413	0.7	105	-0.01
18	T	Acrylonitrile	0.129	0.120	7.0	98	-0.01
19	T	Hexane	0.241	0.250	-3.7	112	-0.01
20	t	Diisopropyl ether	1.317	1.330	-1.0	105	0.00
21	TP	1,1-Dichloroethane	0.690	0.684	0.9	107	0.00
22	T	Vinyl Acetate	0.766	0.873	-14.0	109	-0.01
23	t	Ethyl tert-butyl ether	0.494	0.476	3.6	104	0.00
24	T	2,2-Dichloropropane	0.501	0.502	-0.2	107	0.00
25	T	cis-1,2-Dichloroethene	0.454	0.451	0.7	105	-0.01
26	T	2-Butanone	0.019	0.017#	10.5	96	-0.01
27	T	Ethyl acetate	0.048	0.045#	6.3	99	0.00
28	T	Tetrahydrofuran	0.039	0.037#	5.1	97	0.00
29	T	Bromochloromethane	0.337	0.339	-0.6	103	0.00
30	CT	Chloroform	0.453	0.447	1.3	106	-0.01
31	T	1,1,1-Trichloroethane	0.585	0.586	-0.2	107	0.00
32	T	Cyclohexane	0.710	0.655	7.7	103	0.00
33	S	Dibromofluoromethane(S)	0.420	0.748	-78.1#	195	0.00
34	T	Carbon Tetrachloride	0.467	0.480	-2.8	110	-0.01
35	T	1,1-Dichloropropene	0.532	0.520	2.3	106	0.00
36	t	tert-Amyl methyl ether	1.027	0.978	4.8	102	0.00
37	MT	Benzene	1.630	1.609	1.3	106	0.00
38	T	iso-Butyl alcohol	0.012	0.010#	16.7	88	0.00
39	T	1,2-Dichloroethane	0.541	0.533	1.5	104	0.00
40	S	Fluorobenzene(S)	1.560	2.893	-85.4#	195	0.00
41	I	1,4-Difluorobenzene(I)	1.000	1.000	0.0	109	0.00
42	S	Trifluorotoluene(S)	0.491	0.478	2.6	105	0.01
43	MT	Trichloroethene	0.314	0.305	2.9	106	0.01
44	T	n-Butyl alcohol	0.003	0.003#	0.0	86	0.00
45	T	Methylcyclohexane	0.293	0.290	1.0	107	0.01
46	CT	1,2-Dichloropropane	0.280	0.281	-0.4	110	0.00
47	T	Dibromomethane	0.194	0.187	3.6	105	0.01
48	T	1,4-Dioxane	0.002	0.002#	0.0	98	0.01
49	T	Bromodichloromethane	0.337	0.345	-2.4	112	0.00
50	T	2-Chloroethyl Vinyl Ether	0.032	0.049#	-53.1#	138	0.01
51	T	cis-1,3-Dichloropropene	0.392	0.400	-2.0	111	0.00
52	T	4-Methyl-2-pentanone	0.039	0.035#	10.3	93	0.01
53	S	Toluene-d8(S)	0.988	1.853	-87.6#	192	0.01
54	CMT	Toluene	1.202	1.175	2.2	107	0.01

(#) = Out of Range

00326

Evaluate Continuing Calibration Report

Data File : E:\DATA\11292004\AG19629.D Vial: 3
Acq On : 29 Nov 2004 12:21 pm Operator: crf
Sample : 5.0 ug/L 8260 ccal Inst : VOAInst#3
Misc : water 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	0.356	0.0	105	0.02
56	T	1,1,2-Trichloroethane	0.248	0.232	6.5	98	0.00
57	T	Tetrachloroethene	0.253	0.251	0.8	105	0.02
58	T	1,3-Dichloropropane	0.404	0.388	4.0	104	0.02
59	T	2-Hexanone	0.018	0.018#	0.0	103	0.02
60	T	Dibromochloromethane	0.241	0.248	-2.9	112	0.02
61	T	1,2-Dibromoethane	0.242	0.233	3.7	100	0.00
62	I	D5-Chlorobenzene(I)	1.000	1.000	0.0	107	0.00
63	S	Ethylbenzene-d10(S)	6.151	12.017	-95.4#	201#	0.01
64	MTP	Chlorobenzene	4.260	4.320	-1.4	109	0.01
65	T	1,1,1,2-Tetrachloroethane	1.330	1.357	-2.0	112	0.01
66	CT	Ethylbenzene	6.621	6.518	1.6	104	0.00
67	T	m,p-Xylene	2.635	2.694	-2.2	107	0.01
68	T	o-Xylene	5.171	5.091	1.5	105	0.01
69	T	Styrene	3.975	4.057	-2.1	108	0.00
70	TP	Bromoform	0.712	0.818	-14.9	120	0.01
71	T	Isopropylbenzene	6.002	6.071	-1.1	106	0.00
72	S	Bromofluorobenzene(S)	1.842	3.373	-83.1#	193	0.01
73	T	Bromobenzene	1.802	1.806	-0.2	108	0.01
74	TP	1,1,2,2-Tetrachloroethane	2.394	2.319	3.1	100	0.00
75	T	1,2,3-Trichloropropane	0.444	0.415	6.5	94	0.00
76	T	n-Propylbenzene	7.556	7.532	0.3	104	0.00
77	T	2-Chlorotoluene	1.648	1.631	1.0	106	0.00
78	T	4-Chlorotoluene	1.716	1.682	2.0	106	0.01
79	T	1,3,5-Trimethylbenzene	4.934	5.014	-1.6	105	0.01
80	T	t-Butylbenzene	4.159	4.266	-2.6	111	0.00
81	T	1,2,4-Trimethylbenzene	5.087	5.239	-3.0	105	0.01
82	T	sec-Butylbenzene	5.497	5.674	-3.2	110	0.00
83	T	4-Isopropyltoluene	4.861	5.080	-4.5	108	0.02
84	T	1,3-Dichlorobenzene	3.263	3.240	0.7	106	0.02
85	I	1,4-Dichlorobenzene-d4(I)	1.000	1.000	0.0	110	-0.01
86	T	1,4-Dichlorobenzene	1.506	1.426	5.3	103	0.00
87	T	n-Butylbenzene	0.482	0.497	-3.1	106	0.00
88	T	1,2-Dichlorobenzene	1.421	1.354	4.7	102	0.00
89	T	1,2-Dibromo-3-chloropropane	0.098	0.099#	-1.0	117	-0.01
90	T	1,3,5-Trichlorobenzene	0.947	0.932	1.6	106	-0.01
91	T	1,2,4-Trichlorobenzene	0.909	0.898	1.2	106	0.00
92	T	Hexachlorobutadiene	0.347	0.362	-4.3	118	0.00
93	T	Naphthalene	1.993	1.821	8.6	102	0.00
94	T	1,2,3-Trichlorobenzene	0.875	0.843	3.7	108	0.00

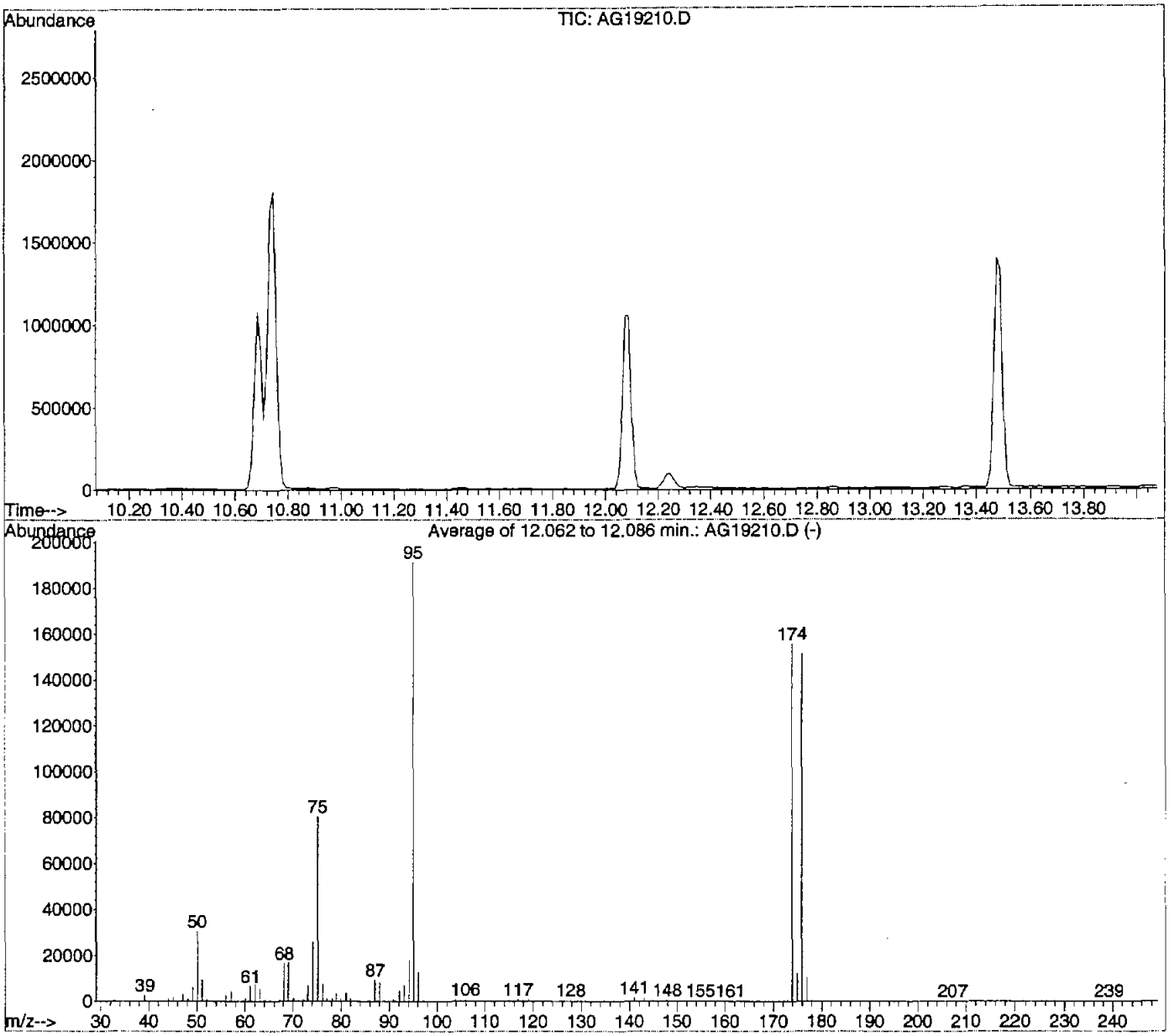
BFB TUNING

00328

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

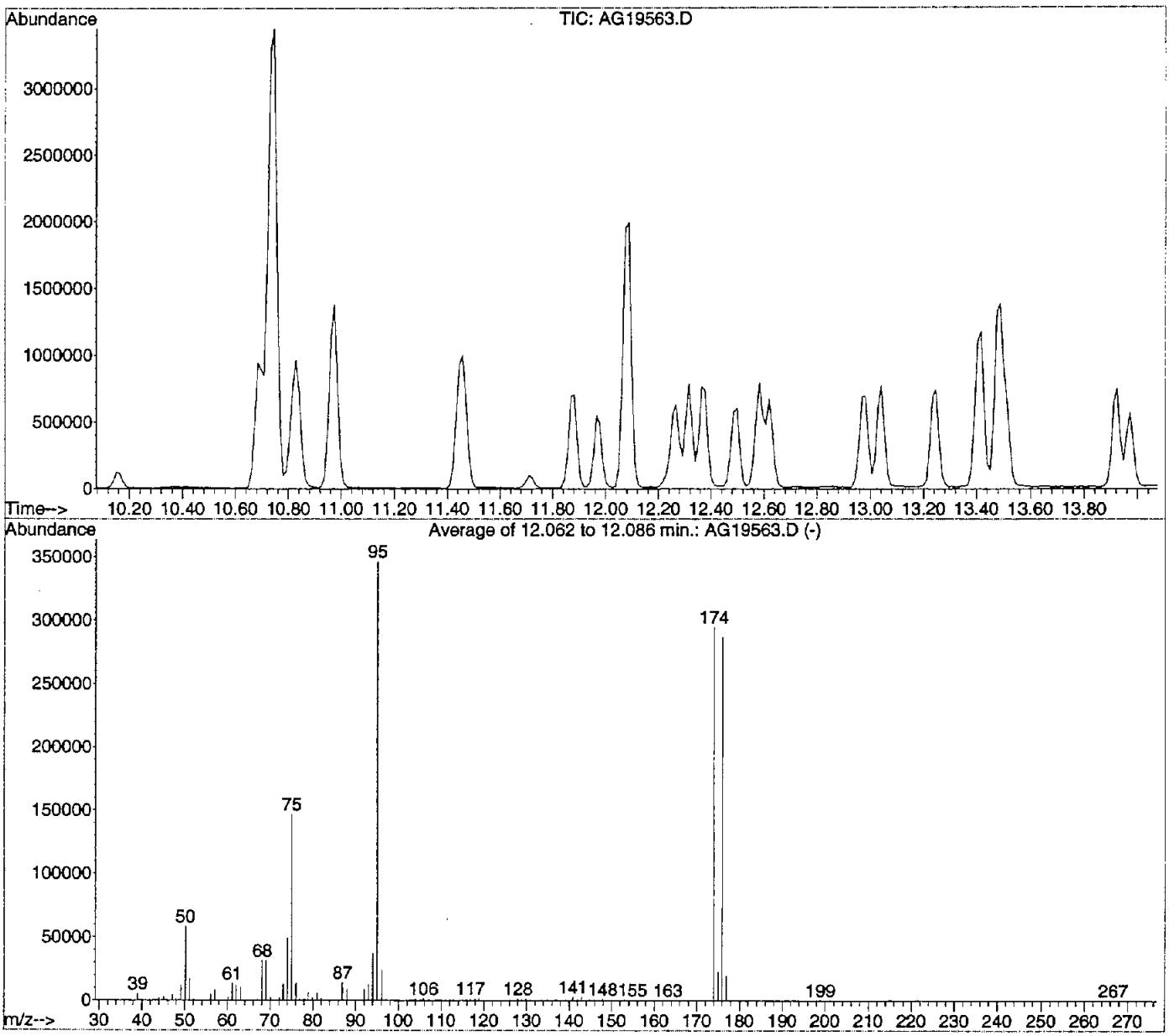


AutoFind: Scans 909, 910, 911; Background Corrected with Scan 901

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

Data File : E:\DATA\11222004\AG19563.D
Acq On : 22 Nov 2004 9:37 am
Sample : 4.0 ug/Kg ccal
Misc : soil #5.000 124966303
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: frz
Inst : VOAInst#3
Multiplr: 1.00

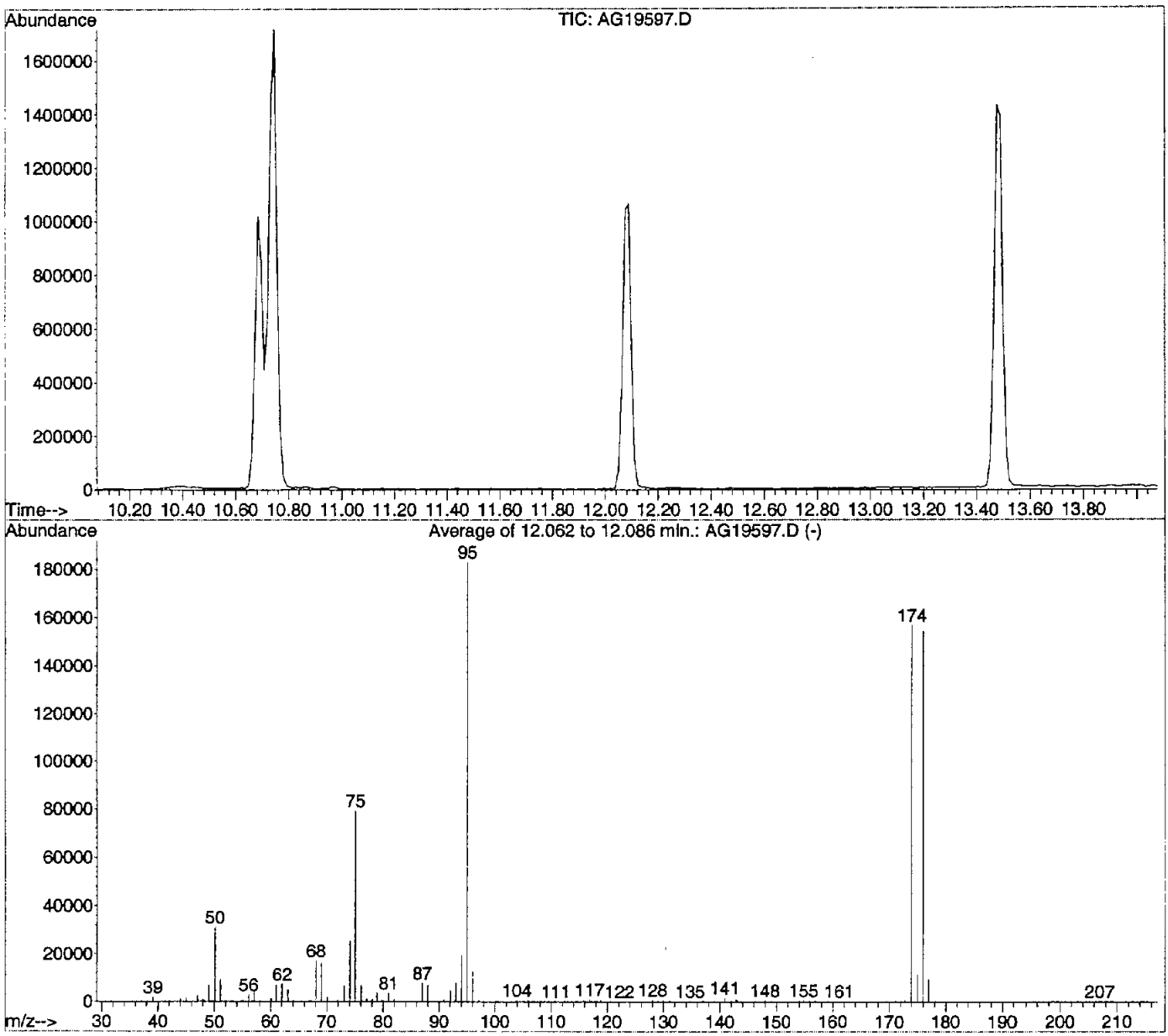


AutoFind: Scans 909, 910, 911; Background Corrected with Scan 904

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.8	58012	PASS
75	95	30	60	42.3	146624	PASS
95	95	100	100	100.0	346285	PASS
96	95	5	9	6.9	23820	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.0	294306	PASS
175	174	5	9	7.6	22457	PASS
176	174	95	101	97.3	286301	PASS
177	176	5	9	6.8	19373	PASS

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

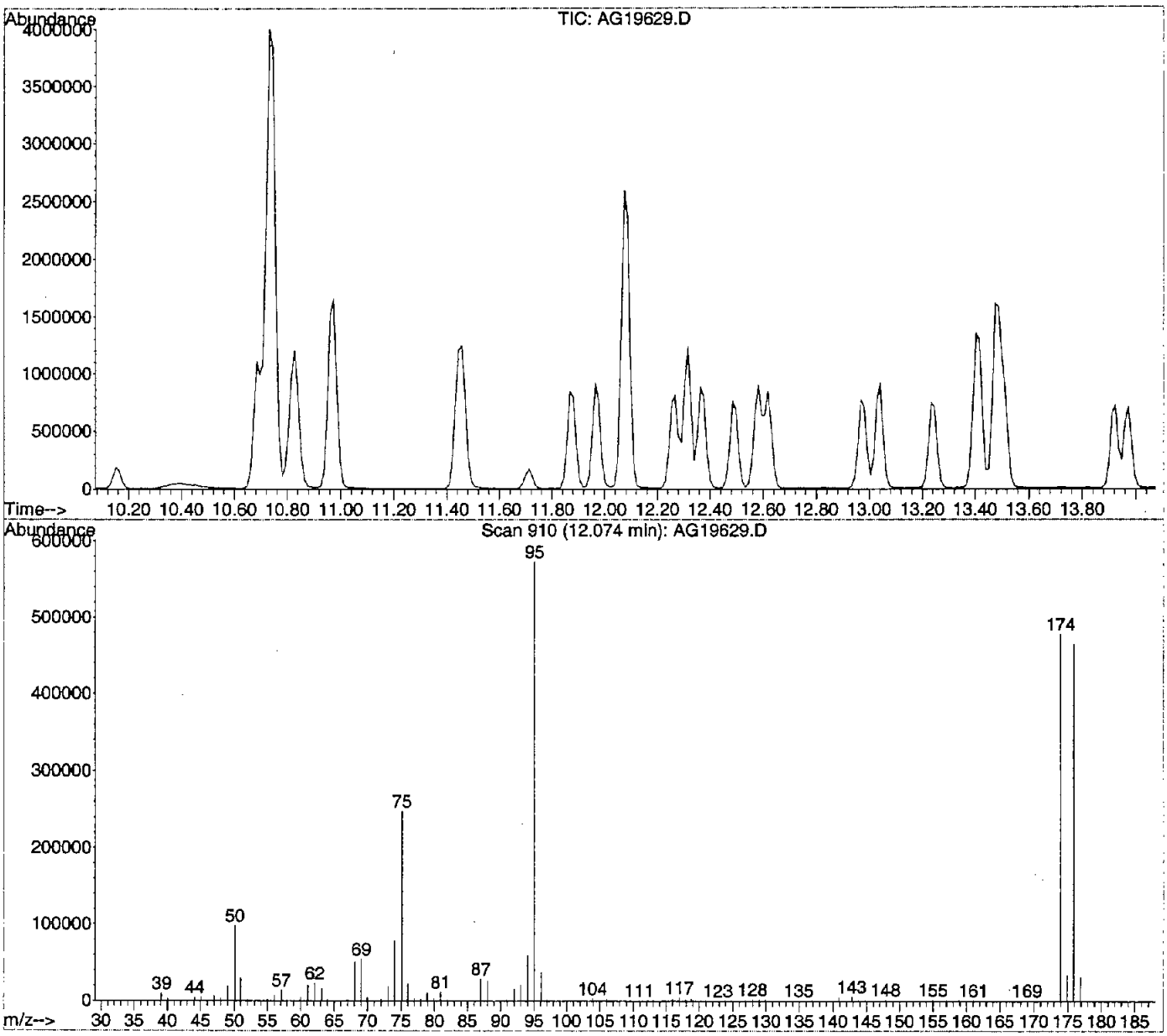


Spectrum Information: Average of 12.062 to 12.086 min.

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

Data File : E:\DATA\11292004\AG19629.D
Acq On : 29 Nov 2004 12:21 pm
Sample : 5.0 ug/L 8260 ccal
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: 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	17.1	97696	PASS
75	95	30	60	43.2	247360	PASS
95	95	100	100	100.0	572224	PASS
96	95	5	9	6.5	36984	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	83.4	477312	PASS
175	174	5	9	7.1	33808	PASS
176	174	95	101	97.2	464128	PASS
177	176	5	9	6.6	30856	PASS

METHOD BLANK

00333

Quantitation Report (QT Reviewed)

Data File : E:\DATA\11222004\AG19570.D Vial: 10
Acq On : 22 Nov 2004 12:36 pm Operator: frz
Sample : Reagent MB voa1042 Inst : VOAInst#3
Misc : soil #5.000 lot 0118801P Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:38 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	786770	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1208019	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	230236	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	486317	10.00	ug/Kg	0.00
System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	366931	9.89	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 98.90%			
34) Fluorobenzene(S)	7.23	96	1349186	9.44	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 94.40%			
36) Trifluorotoluene(S)	7.96	146	1365118	21.71	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 108.55%			
45) Toluene-d8(S)	9.02	98	1238856	9.37	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 93.70%			
55) Ethylbenzene-d10(S)	10.74	98	1583025	9.38	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 93.80%			
64) Bromofluorobenzene(S)	12.09	174	408454	9.41	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 94.10%			
Target Compounds						Qvalue
3) Chloromethane	1.87	50	8749	Below Cal		85
7) Trichlorofluoromethane	2.91	101	1913	Below Cal #		35
11) Acetone	3.73	43	105269	12.49	ug/Kg	96
13) Methylene Chloride	4.32	49	17371	Below Cal		81
16) Hexane	5.01	56	1641	Below Cal		94
25) Chloroform	6.28	85	2462	~~0.06 ug/Kg~~		99
32) Benzene	6.90	78	11372	0.08	ug/Kg	88
46) Toluene	9.09	91	31897	0.21	ug/Kg	98
58) Ethylbenzene	10.83	91	9227	0.05	ug/Kg	91
59) m,p-Xylene	10.96	106	8531	0.13	ug/Kg	92
60) o-Xylene	11.45	91	4691	0.04	ug/Kg	73
61) Styrene	11.47	104	3200	0.03	ug/Kg	79
67) 1,2,3-Trichloropropane	12.23	110	2049	Below Cal		92
73) 1,2,4-Trimethylbenzene	13.04	105	10641	0.08	ug/Kg	74

11/23/2004

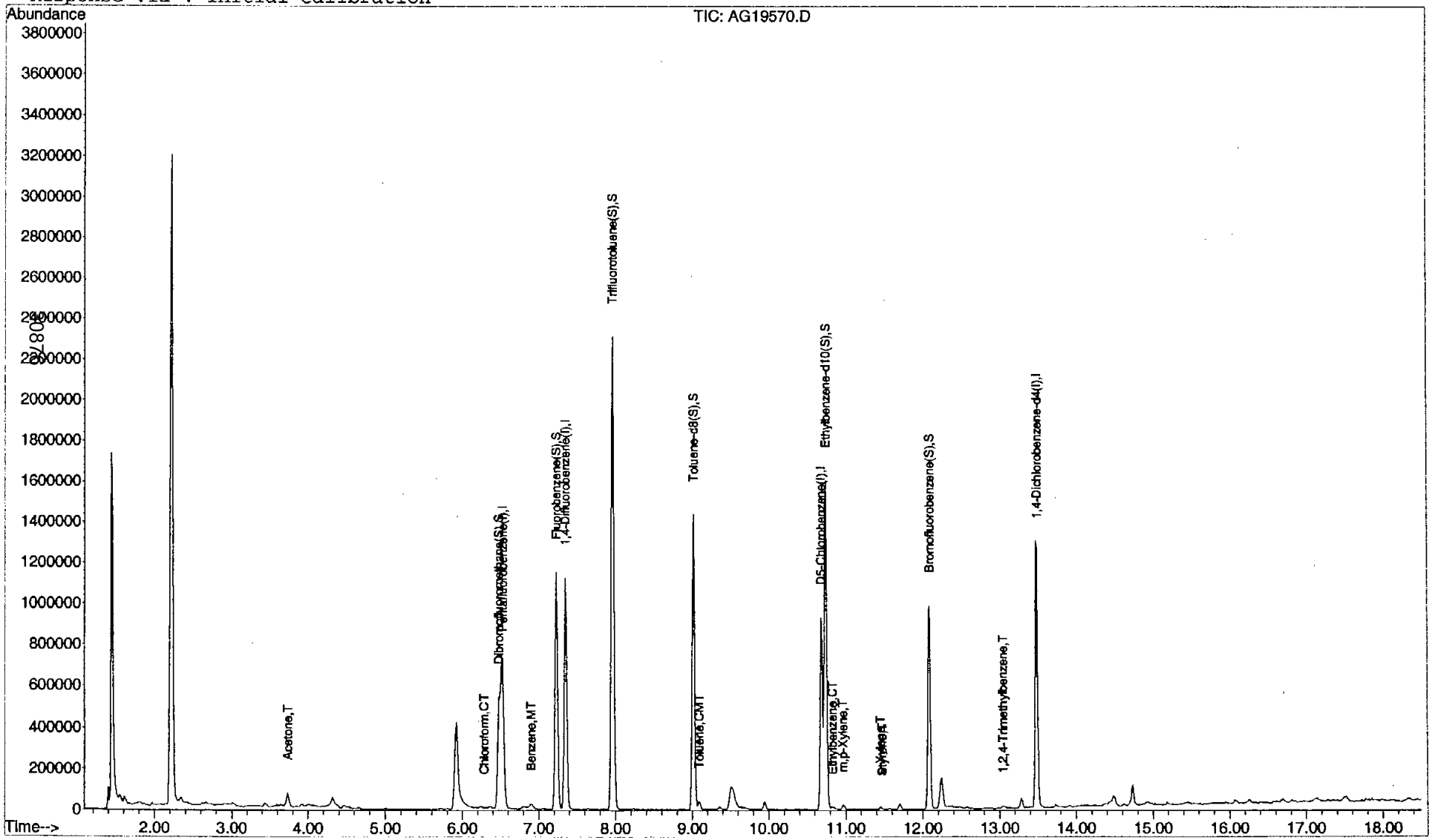
Quantitation Report (QT Reviewed)

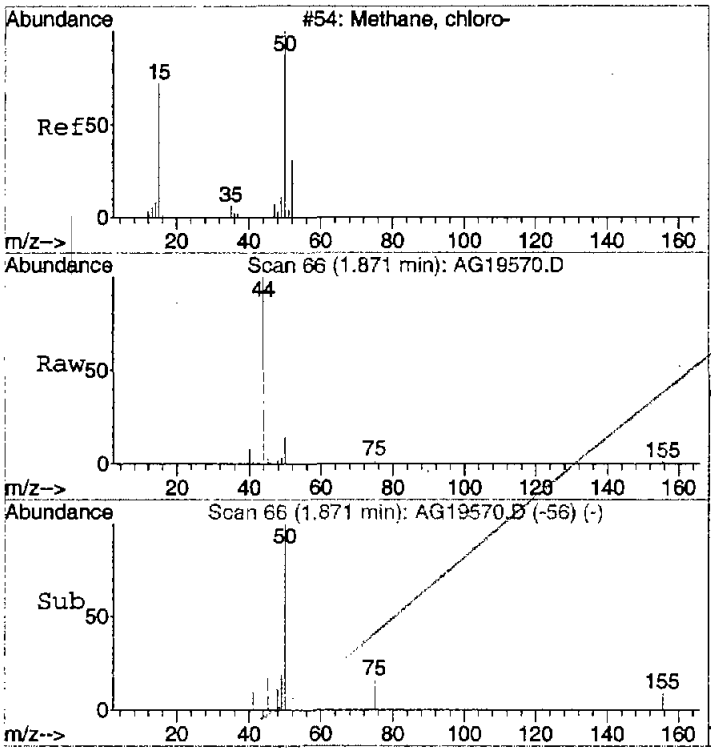
Data File : E:\DATA\11222004\AG19570.D
Acq On : 22 Nov 2004 12:36 pm
Sample : Reagent MB voa1042
Misc : soil #5.000 lot 0118801P
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:45 2004

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

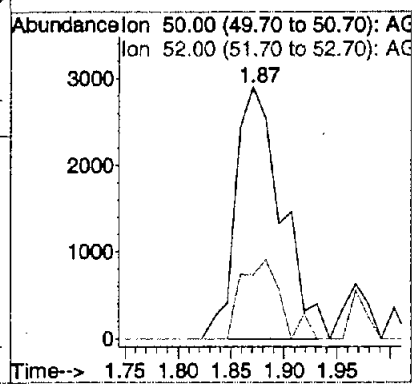


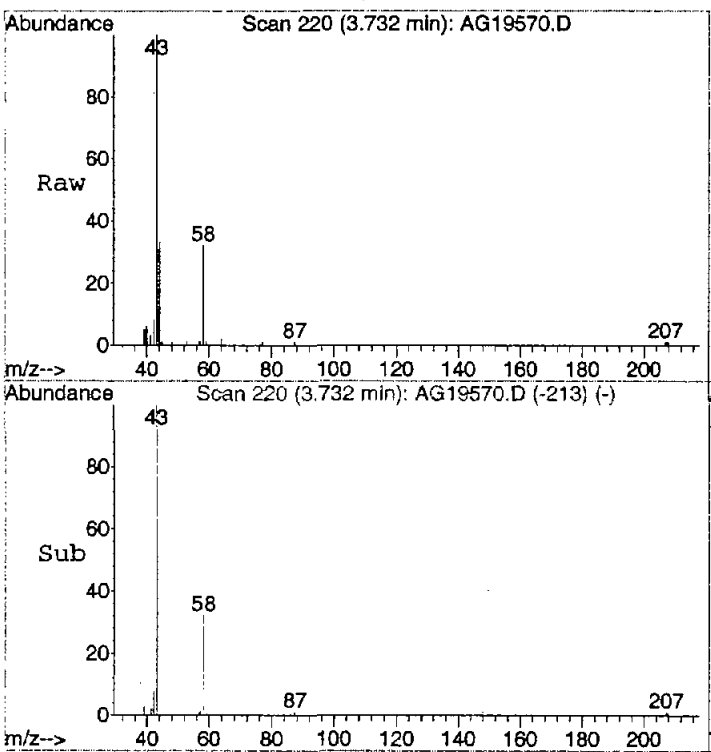


#3
Chloromethane
Concen: Below Cal
RT: 1.87 min Scan# 66
Delta R.T. 0.00 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion: 50 Resp: 8749

Ion	Ratio	Lower	Upper
50	100		
52	26.8	5.5	65.5

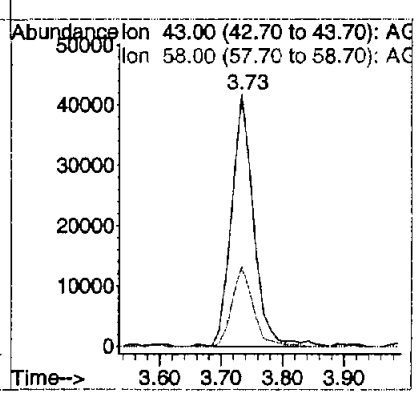


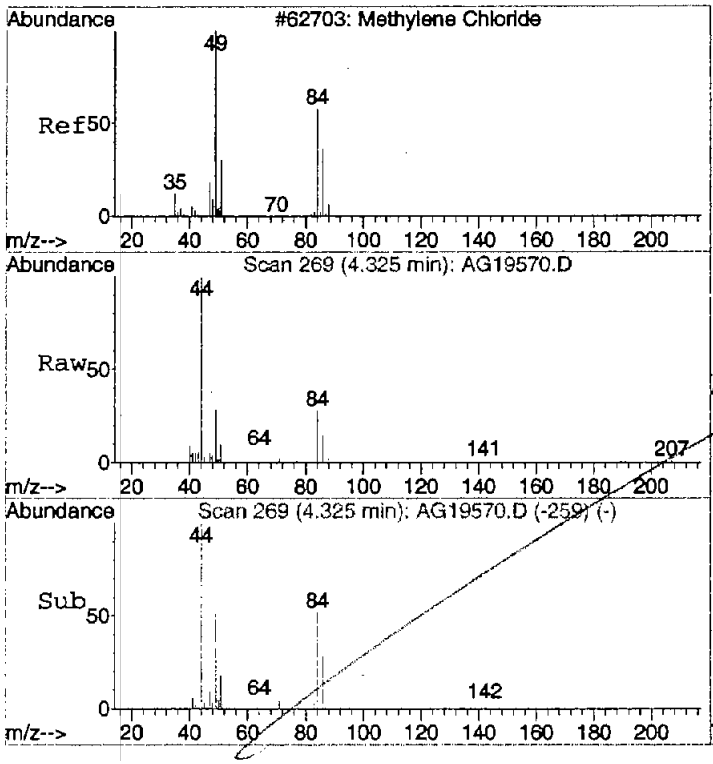


#11
Acetone
Concen: 12.49 ug/Kg
RT: 3.73 min Scan# 220
Delta R.T. 0.01 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion: 43 Resp: 105269

Ion	Ratio	Lower	Upper
43	100		
58	30.4	2.4	62.4

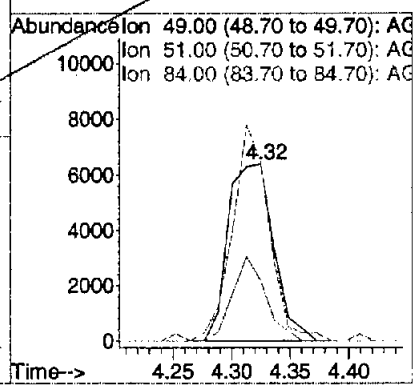


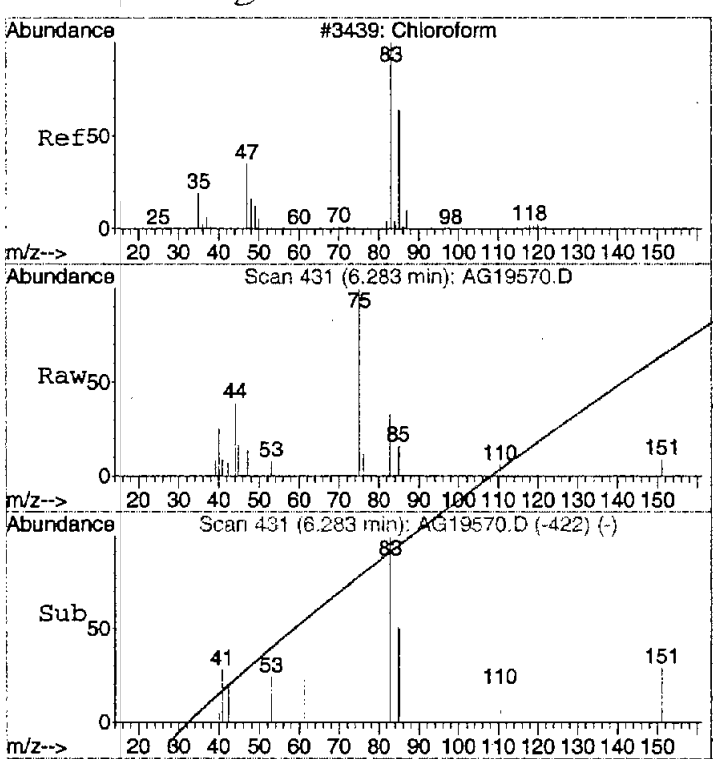


#13
Methylene Chloride
Concen: Below Cal
RT: 4.32 min Scan# 269
Delta R.T. -0.00 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion: 49 Resp: 17371

Ion	Ratio	Lower	Upper
49	100		
51	34.8	0.0	59.0
84	98.5	49.0	109.0

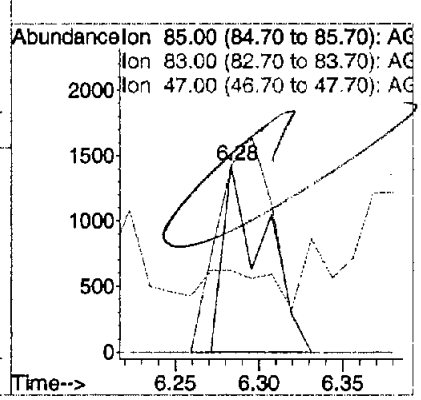


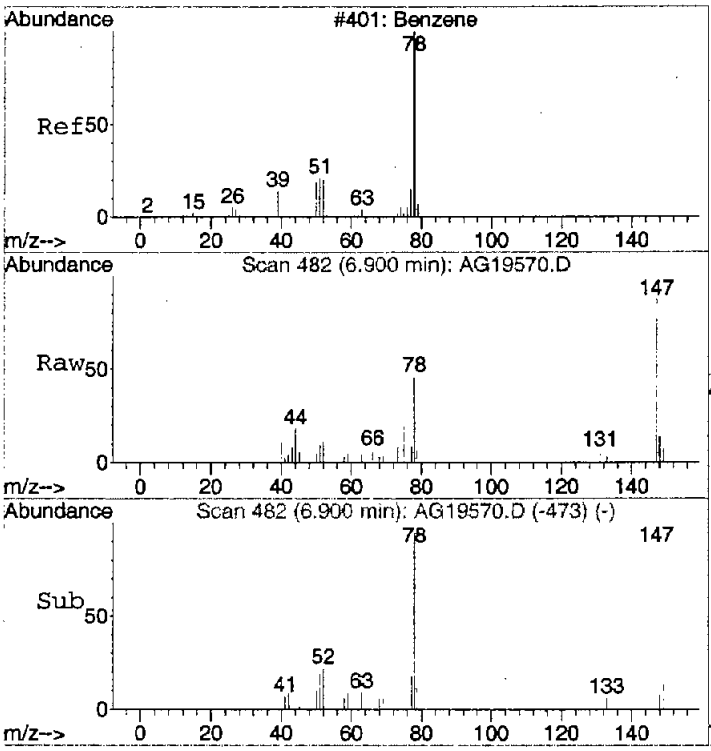


#25
Chloroform
Concen: 0.06 ug/Kg
RT: 6.28 min Scan# 431
Delta R.T. -0.01 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion: 85 Resp: 2462

Ion	Ratio	Lower	Upper
85	100		
83	154.0	124.5	184.5
47	31.8	4.9	64.9

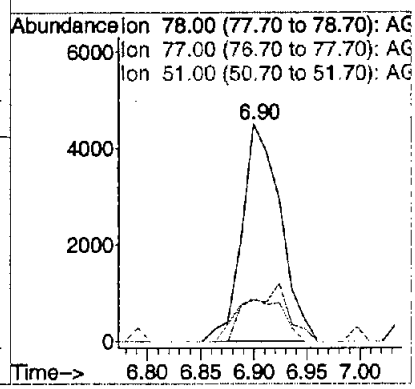


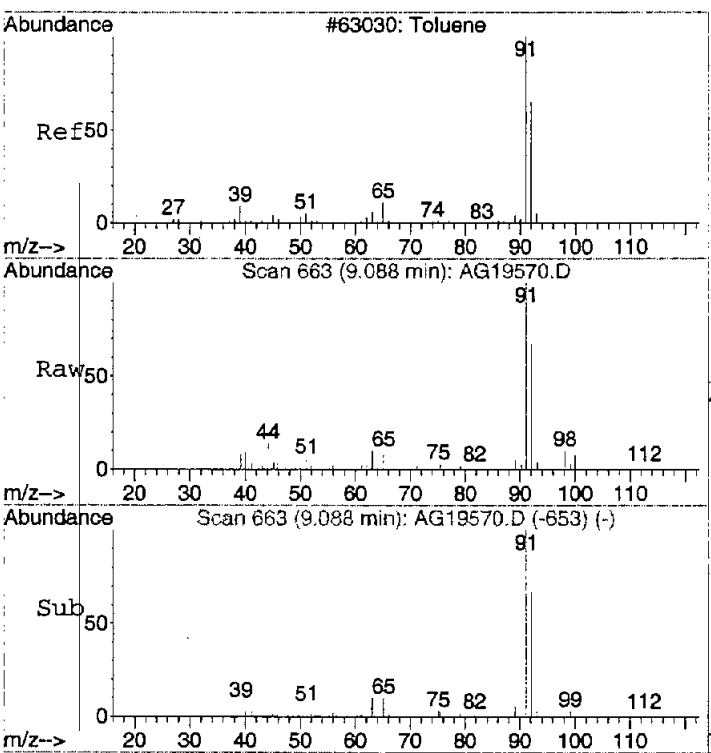


#32
Benzene
Concen: 0.08 ug/Kg
RT: 6.90 min Scan# 482
Delta R.T. -0.01 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion: 78 Resp: 11372

Ion	Ratio	Lower	Upper
78	100		
77	27.0	0.0	53.2
51	24.6	0.0	46.6

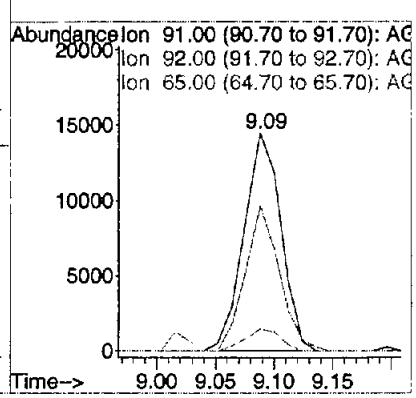


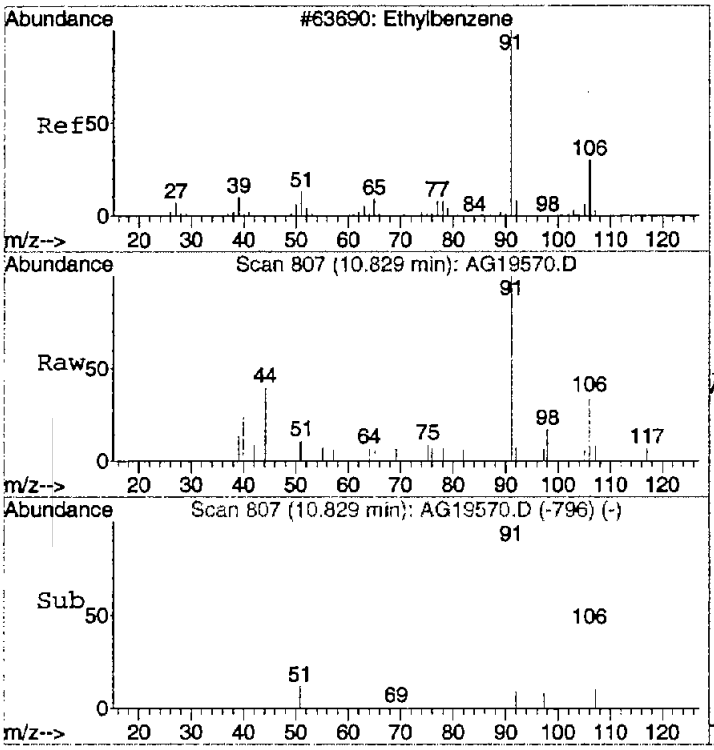


#46
Toluene
Concen: 0.21 ug/Kg
RT: 9.09 min Scan# 663
Delta R.T. -0.00 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion: 91 Resp: 31897

Ion	Ratio	Lower	Upper
91	100		
92	62.2	31.1	91.1
65	9.8	0.0	41.0

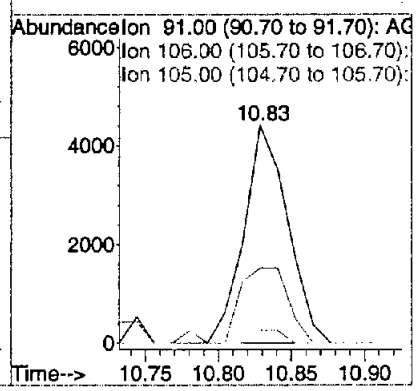


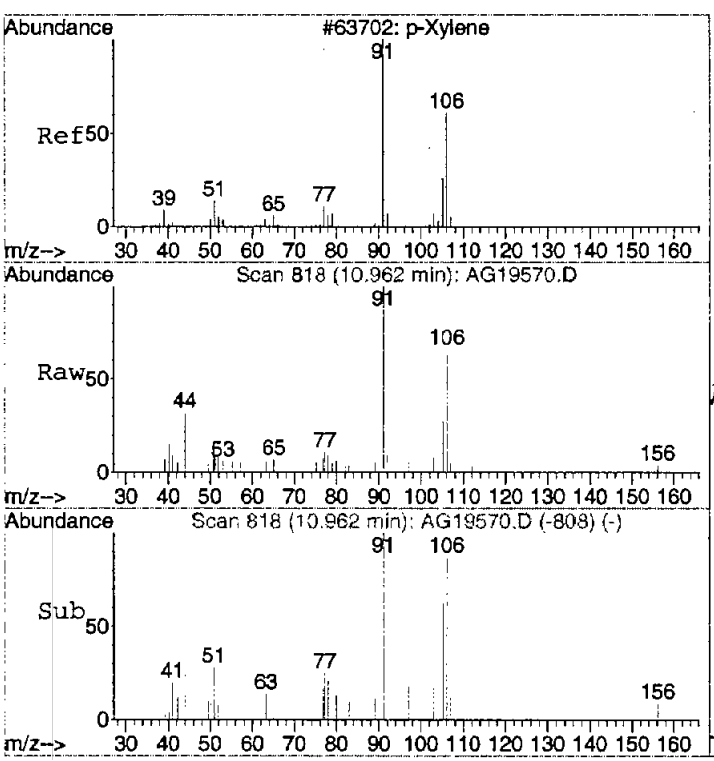


#58
Ethylbenzene
Concen: 0.05 ug/Kg
RT: 10.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion: 91 Resp: 9227

Ion	Ratio	Lower	Upper
91	100		
106	37.8	2.3	62.3
105	4.1	0.0	34.8

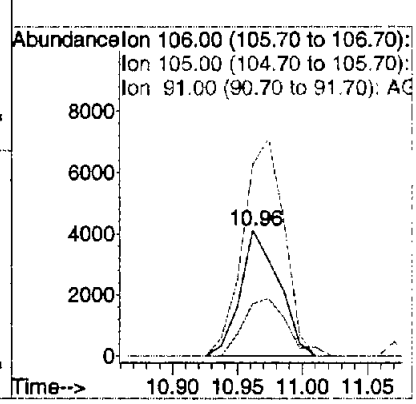


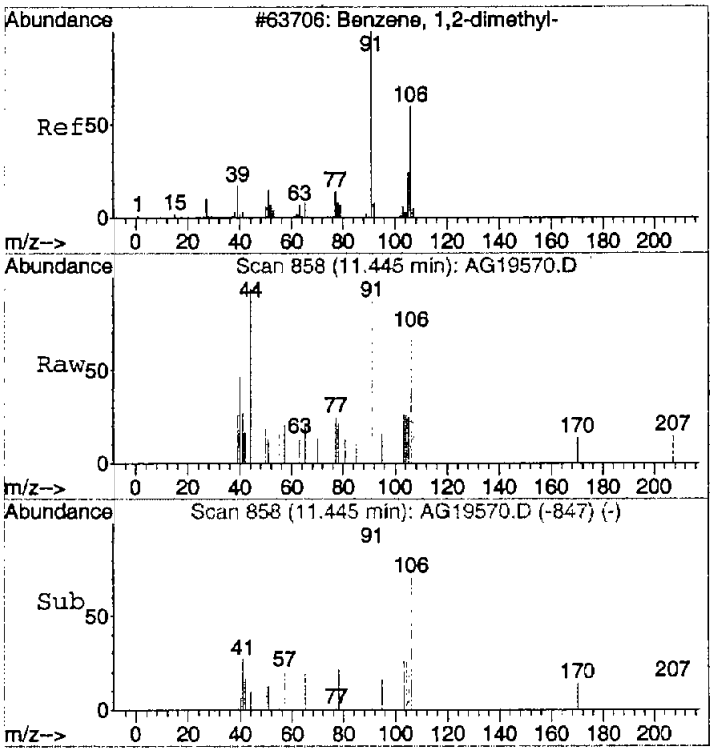


#59
m,p-Xylene
Concen: 0.13 ug/Kg
RT: 10.96 min Scan# 818
Delta R.T. 0.00 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion:106 Resp: 8531

Ion	Ratio	Lower	Upper
106	100		
105	52.4	15.7	75.7
91	183.5	165.6	225.6

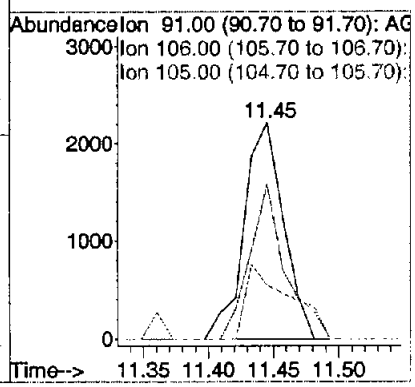


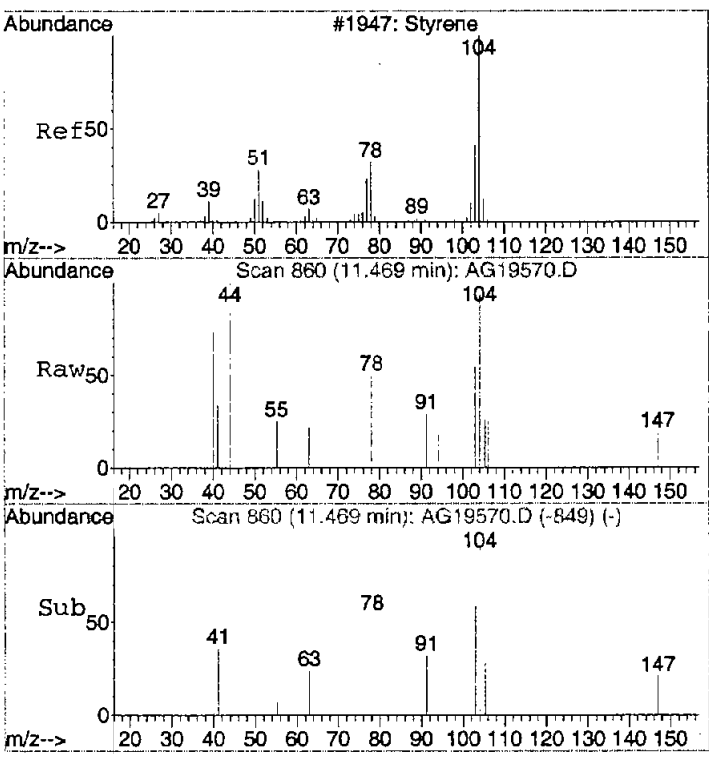


#60
o-Xylene
Concen: 0.04 ug/Kg
RT: 11.45 min Scan# 858
Delta R.T. 0.01 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion: 91 Resp: 4691

Ion	Ratio	Lower	Upper
91	100		
106	65.0	18.7	78.7
105	38.4	0.0	51.7

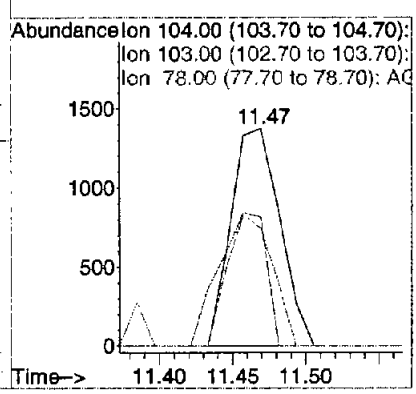


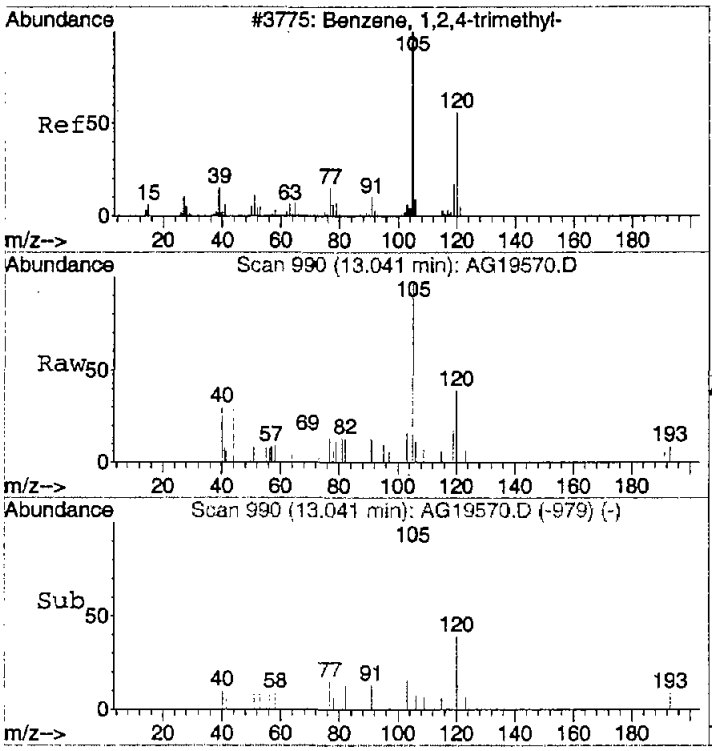


#61
Styrene
Concen: 0.03 ug/Kg
RT: 11.47 min Scan# 860
Delta R.T. 0.01 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion:104 Resp: 3200

Ion	Ratio	Lower	Upper
104	100		
103	59.3	16.9	76.9
78	55.6	10.4	70.4

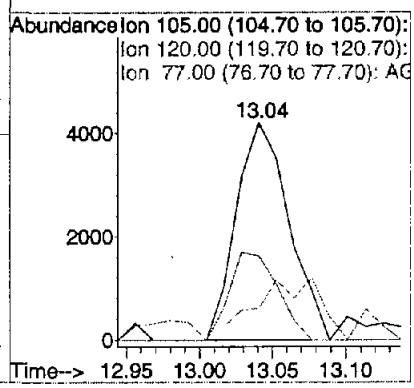




#73
1,2,4-Trimethylbenzene
Concen: 0.08 ug/Kg
RT: 13.04 min Scan# 990
Delta R.T. 0.01 min
Lab File: AG19570.D
Acq: 22 Nov 2004 12:36 pm

Tgt Ion:105 Resp: 10641

Ion	Ratio	Lower	Upper
105	100		
120	37.0	19.2	79.2
77	34.8	0.0	41.5



Quantitation Report (QT Reviewed)

Data File : E:\DATA\11222004\AG19568.D Vial: 8
Acq On : 22 Nov 2004 11:45 am Operator: frz
Sample : Instr. blank Inst : VOAInst#3
Misc : soil #5.000 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:35 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	768494	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1199462	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	216721	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	464020	10.00	ug/Kg	0.00
System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	352674	9.73	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 97.30%			
34) Fluorobenzene(S)	7.23	96	1344164	9.63	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 96.30%			
36) Trifluorotoluene(S)	7.95	146	832	0.01	ug/Kg	-0.01
Spiked Amount 20.000	Range 89 - 120		Recovery = 0.05%#			
45) Toluene-d8(S)	9.02	98	1222566	9.31	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 93.10%			
55) Ethylbenzene-d10(S)	10.74	98	1550304	9.76	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 97.60%			
64) Bromofluorobenzene(S)	12.09	174	377729	9.25	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 92.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	2544	0.06	ug/Kg	70
3) Chloromethane	1.87	50	14331	Below Cal		96
7) Trichlorofluoromethane	2.92	101	999	Below Cal	#	22
11) Acetone	3.73	43	15279	Below Cal		82
13) Methylene Chloride	4.31	49	5848	Below Cal		92
16) Hexane	5.01	56	2270	Below Cal	#	31
23) 2-Butanone	5.91	57	313	Below Cal	#	1
46) Toluene	9.09	91	14178	0.09	ug/Kg	82
58) Ethylbenzene	10.84	91	4994	0.03	ug/Kg	96
59) m,p-Xylene	10.97	106	7567	0.12	ug/Kg#	73
60) o-Xylene	11.43	91	4976	0.04	ug/Kg	80
73) 1,2,4-Trimethylbenzene	13.04	105	6332	0.05	ug/Kg	84
83) 1,2,4-Trichlorobenzene	15.95	180	5665	0.11	ug/Kg	88
84) Hexachlorobutadiene	16.16	225	916	Below Cal	#	56
85) Naphthalene	16.26	128	68455	0.73	ug/Kg	96
86) 1,2,3-Trichlorobenzene	16.56	180	7170	0.14	ug/Kg	77

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

30890
00342

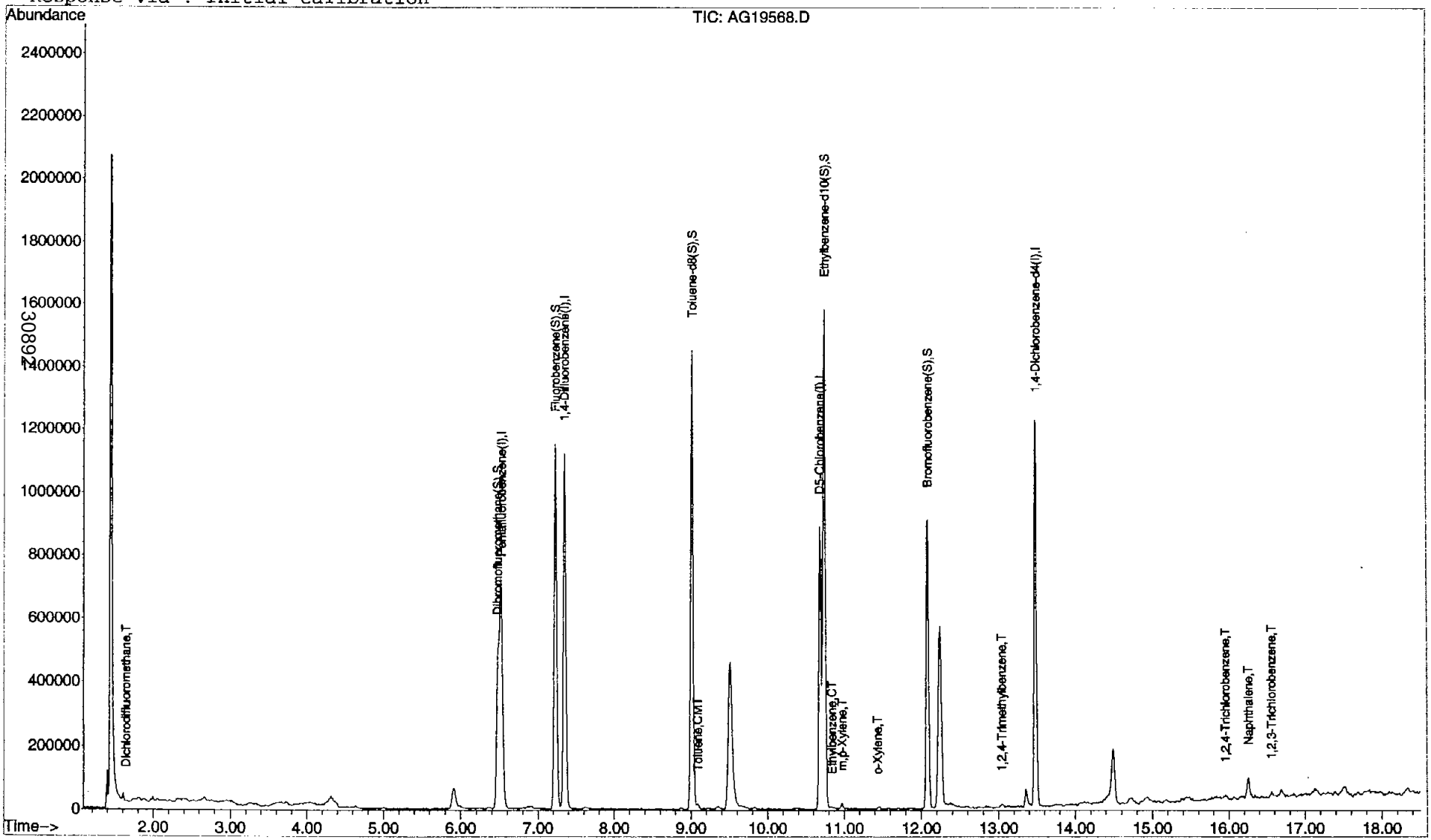
Quantitation Report (QT Reviewed)

Data File : E:\DATA\11222004\AG19568.D
Acq On : 22 Nov 2004 11:45 am
Sample : Instr. blank
Misc : soil #5.000
MS Integration Params: RTEINT.P
Quant Time: Nov 23 18:45 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



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19633.D Vial: 8
Acq On : 29 Nov 2004 3:52 pm Operator: crf
Sample : MB voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 17:06:30 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)	6.52	168	863139	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.36	114	1306424	10.00	ug/L	0.01
62) D5-Chlorobenzene(I)	10.68	119	250815	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	565404	10.00	ug/L	0.00
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	370069	10.22	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 102.20%			
40) Fluorobenzene(S)	7.23	96	1449526	10.76	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 107.60%#			
42) Trifluorotoluene(S)	7.96	146	619667	9.66	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 96.60%			
53) Toluene-d8(S)	9.02	98	1362679	10.56	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 105.60%			
63) Ethylbenzene-d10(S)	10.74	98	1747669	11.33	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 113.30%#			
72) Bromofluorobenzene(S)	12.09	174	472471	10.23	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 102.30%			
Target Compounds						Qvalue
5) Bromomethane	2.44	94	2412	0.39	ug/L	88
32) Cyclohexane	6.52	56	14169	0.23	ug/L #	11
46) 1,2-Dichloropropane	7.96	63	19831	0.54	ug/L #	41
64) Chlorobenzene	10.74	112	14216	0.13	ug/L #	1
70) Bromoform	11.71	173	421	0.16	ug/L #	67
86) 1,4-Dichlorobenzene	13.51	146	1738	0.02	ug/L #	1
90) 1,3,5-Trichlorobenzene	15.18	180	2359	0.04	ug/L	96
91) 1,2,4-Trichlorobenzene	15.95	180	3313	0.06	ug/L	72
93) Naphthalene	16.26	128	23554	0.21	ug/L	98
94) 1,2,3-Trichlorobenzene	16.57	180	3652	0.07	ug/L	80

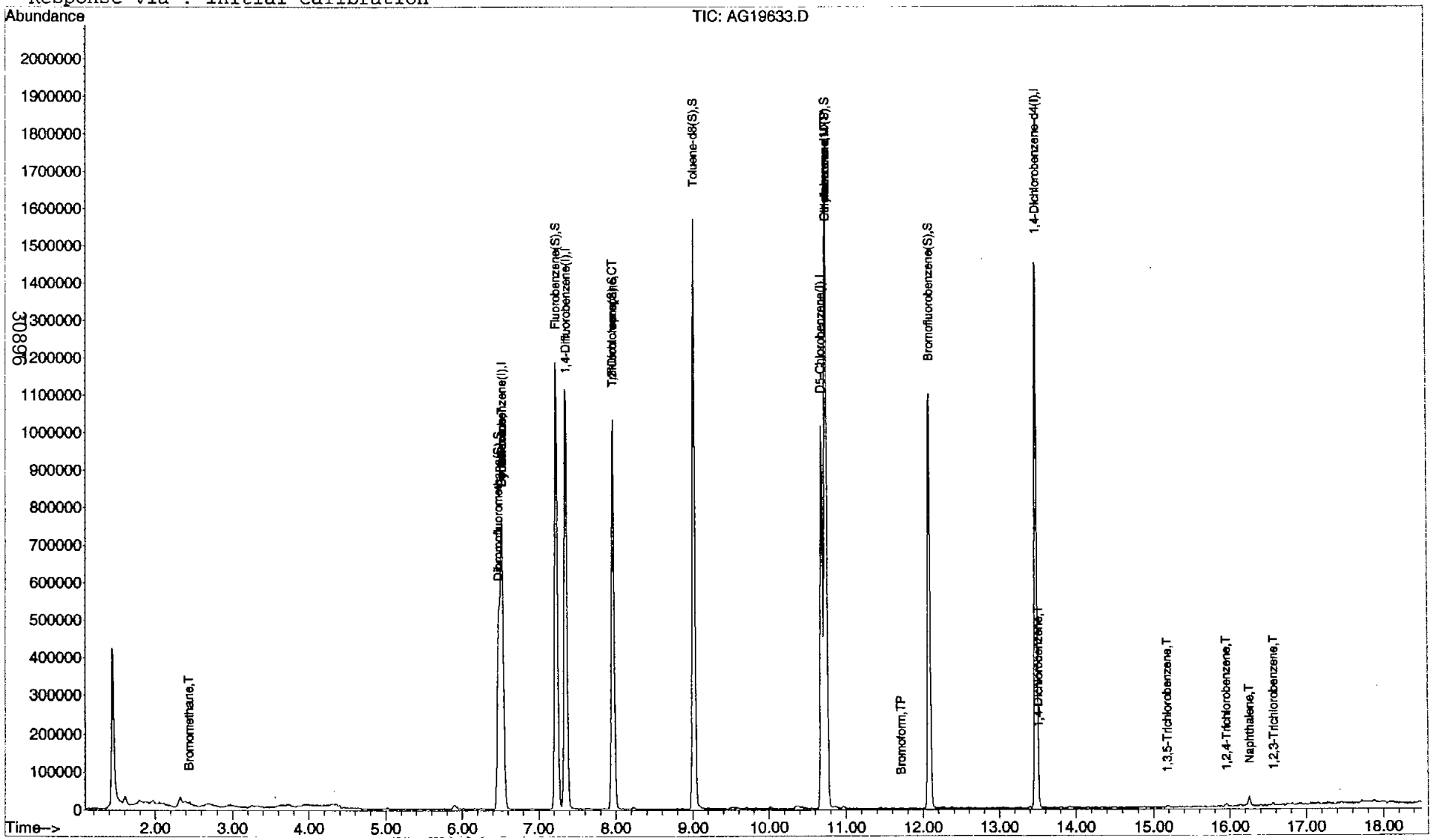
(#) = qualifier out of range (m) = manual integration (+) = signals summed
AG19633.D 11232004_AQUEOUS_8260.M Wed Dec 01 17:06:32 2004 Page 1

00344

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19633.D Vial: 8
Acq On : 29 Nov 2004 3:52 pm Operator: crf
Sample : MB voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 17:06 2004 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



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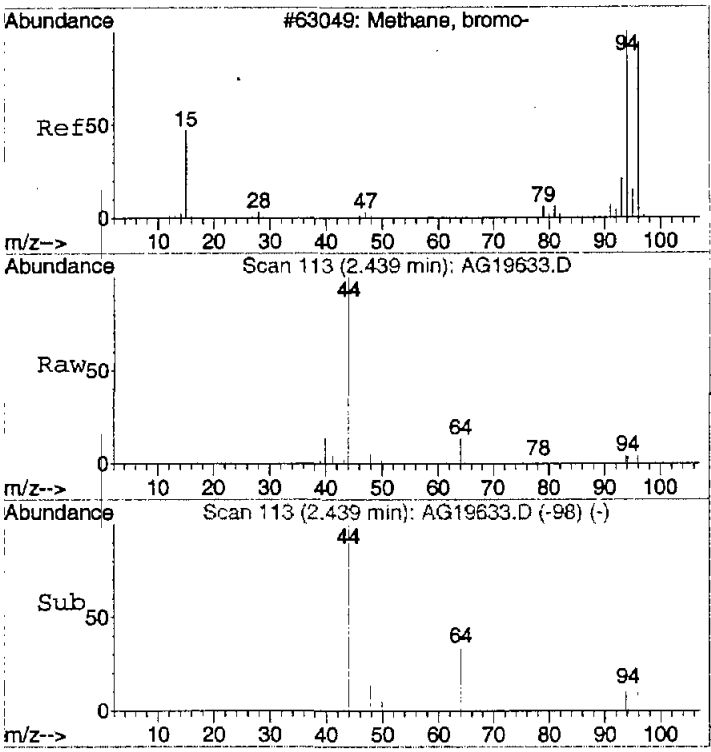
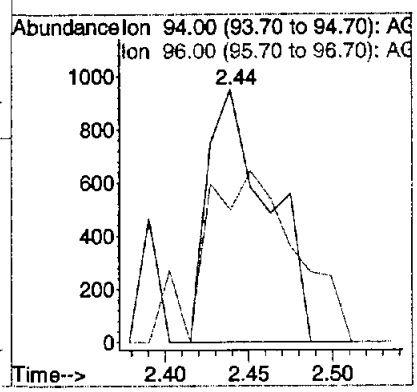
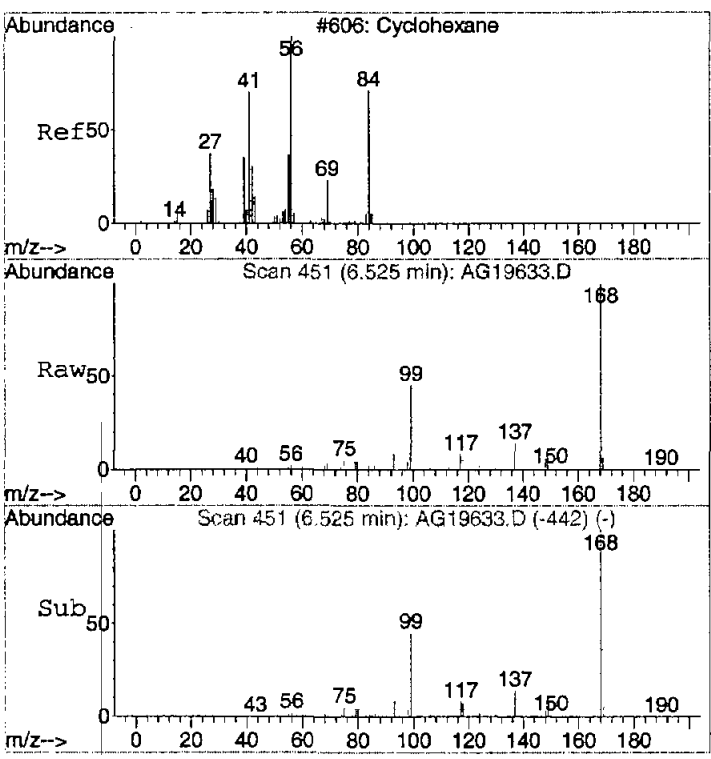


#5
Bromomethane
Concen: 0.39 ug/L
RT: 2.44 min Scan# 113
Delta R.T. -0.00 min
Lab File: AG19633.D
Acq: 29 Nov 2004 3:52 pm

Tgt Ion: 94 Resp: 2412

Ion	Ratio	Lower	Upper
94	100		
96	103.0	61.3	121.3

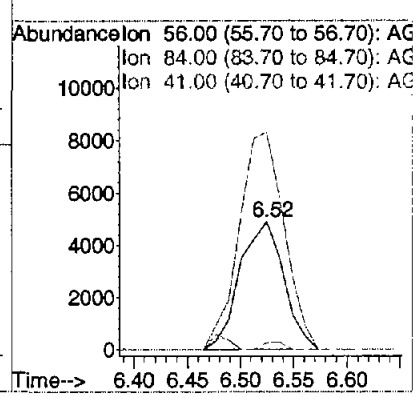


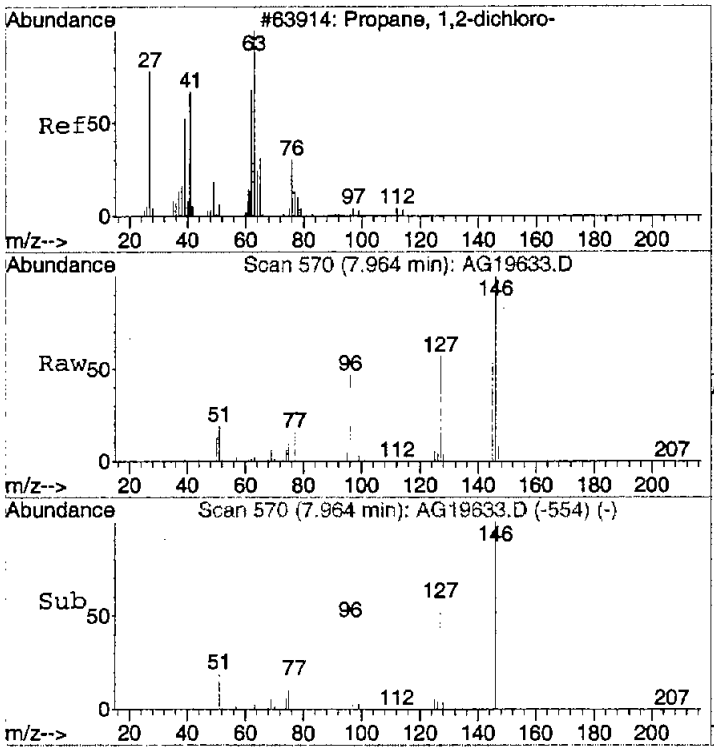


#32
Cyclohexane
Concen: 0.23 ug/L
RT: 6.52 min Scan# 451
Delta R.T. -0.01 min
Lab File: AG19633.D
Acq: 29 Nov 2004 3:52 pm

Tgt Ion: 56 Resp: 14169

Ion	Ratio	Lower	Upper
56	100		
84	174.5	53.0	113.0#
41	2.9	17.6	77.6#

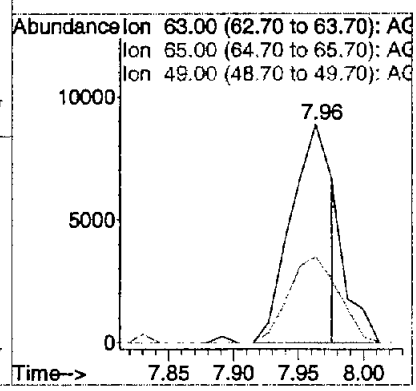


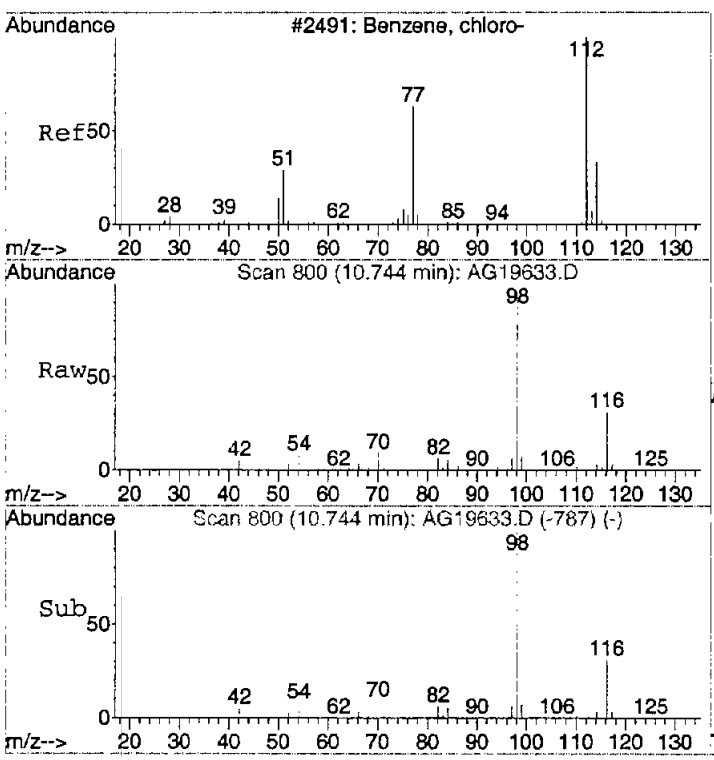


#46
1,2-Dichloropropane
Concen: 0.54 ug/L
RT: 7.96 min Scan# 570
Delta R.T. 0.07 min
Lab File: AG19633.D
Acq: 29 Nov 2004 3:52 pm

Tgt Ion: 63 Resp: 19831

Ion	Ratio	Lower	Upper
63	100		
65	0.0	0.5	60.5#
49	41.1	0.0	44.0

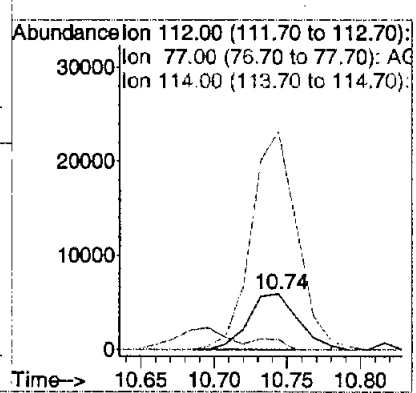


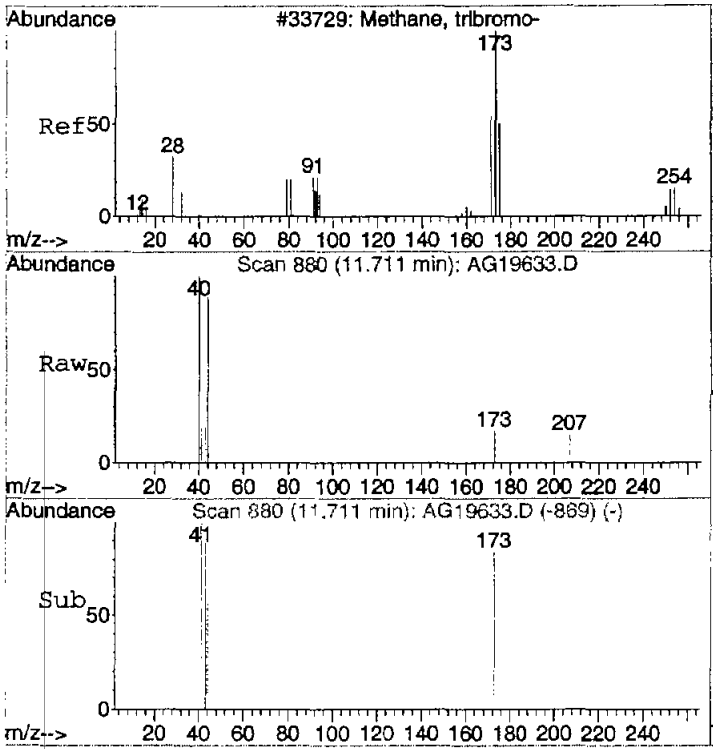


#64
Chlorobenzene
Concen: 0.13 ug/L
RT: 10.74 min Scan# 800
Delta R.T. 0.04 min
Lab File: AG19633.D
Acq: 29 Nov 2004 3:52 pm

Tgt Ion:112 Resp: 14216

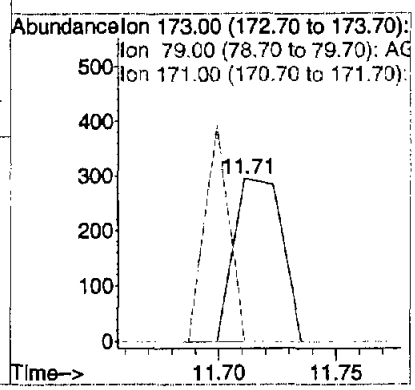
Ion	Ratio	Lower	Upper
112	100		
77	52.7	24.7	84.7
114	355.0	4.7	64.7#

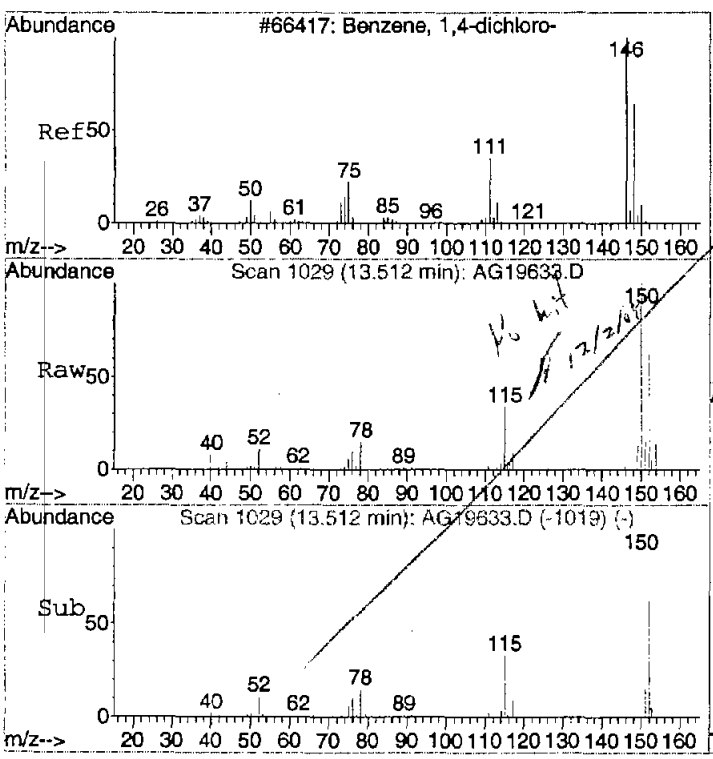




#70
Bromoform
Concen: 0.16 ug/L
RT: 11.71 min Scan# 880
Delta R.T. 0.01 min
Lab File: AG19633.D
Acq: 29 Nov 2004 3:52 pm

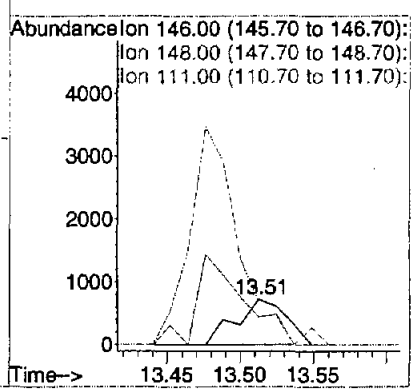
Tgt Ion:173	Resp:	421	
Ion	Ratio	Lower	Upper
173	100		
79	0.0	0.0	44.3
171	67.9	16.2	76.2





#86
1,4-Dichlorobenzene
Concen: 0.02 ug/L
RT: 13.51 min Scan# 1029
Delta R.T. -0.00 min
Lab File: AG19633.D
Acq: 29 Nov 2004 3:52 pm

Tgt Ion:146	Resp:	1738	
Ion	Ratio	Lower	Upper
146	100		
148	190.6	32.0	92.0#
111	469.2	6.2	66.2#



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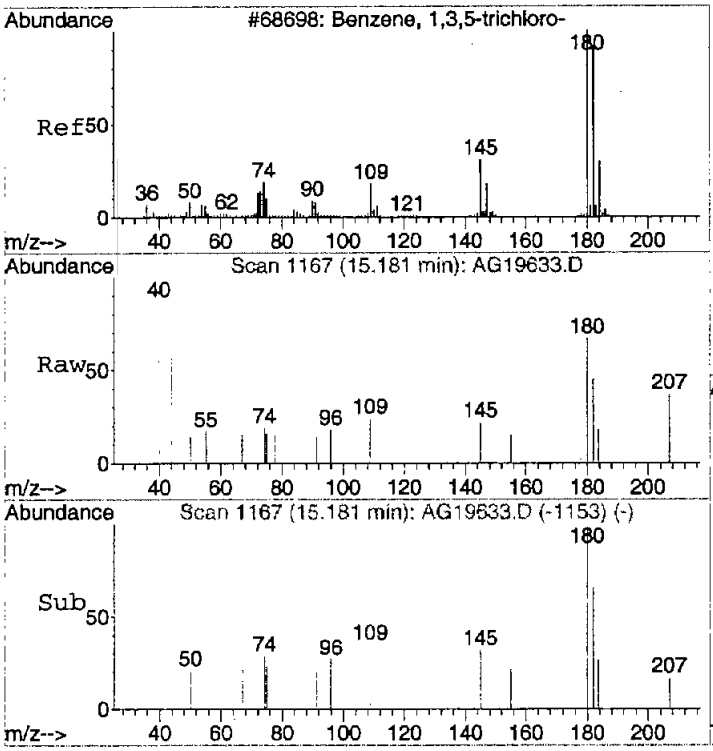
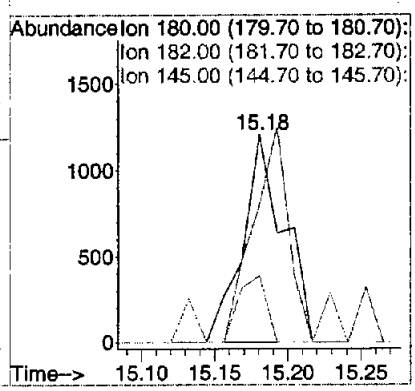
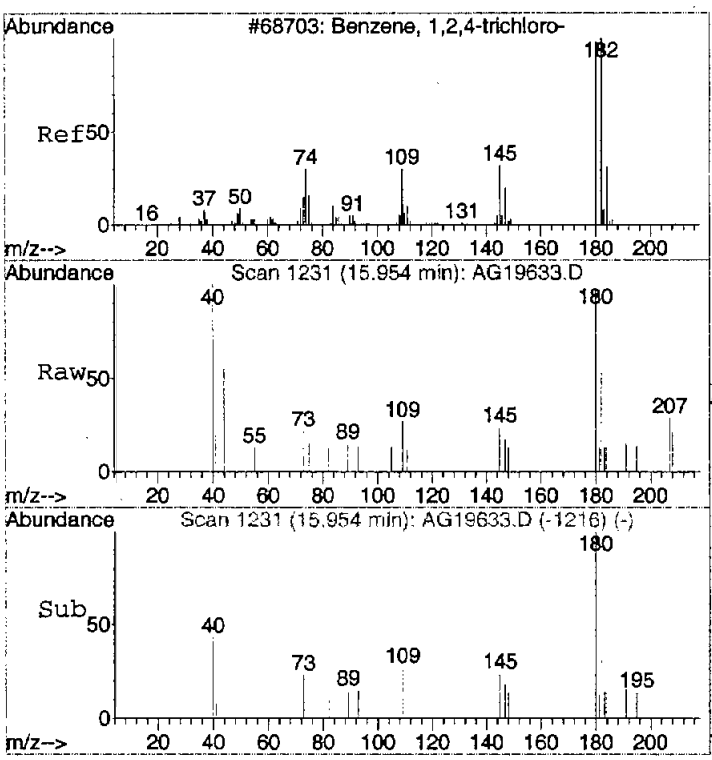


#90
1,3,5-Trichlorobenzene
Concen: 0.04 ug/L
RT: 15.18 min Scan# 1167
Delta R.T. -0.01 min
Lab File: AG19633.D
Acq: 29 Nov 2004 3:52 pm

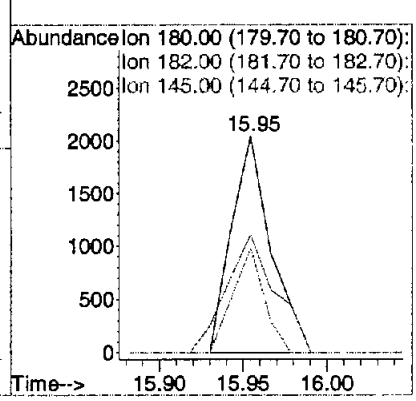
Tgt Ion:180	Resp:	2359	
Ion	Ratio	Lower	Upper
180	100		
182	89.5	63.3	123.3
145	21.6	0.0	54.8

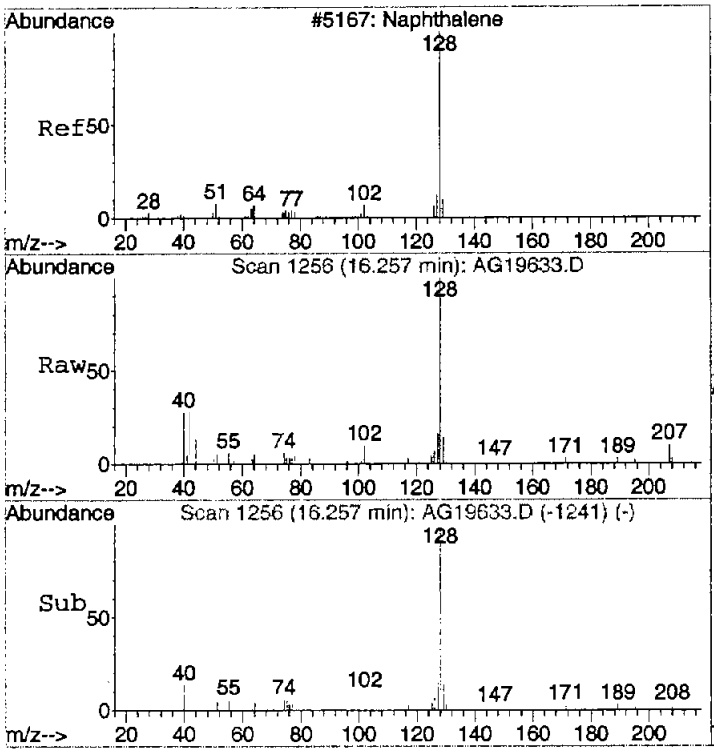




#91
1,2,4-Trichlorobenzene
Concen: 0.06 ug/L
RT: 15.95 min Scan# 1231
Delta R.T. -0.00 min
Lab File: AG19633.D
Acq: 29 Nov 2004 3:52 pm

Tgt Ion:180	Resp:	3313	
Ion	Ratio	Lower	Upper
180	100		
182	67.8	66.7	126.7
145	38.6	0.0	57.0

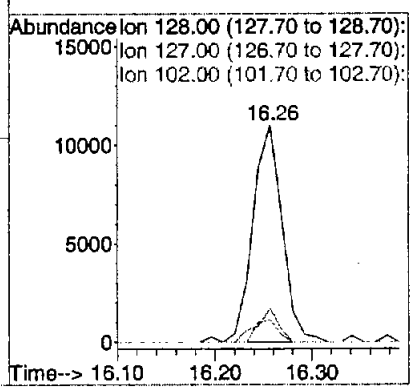


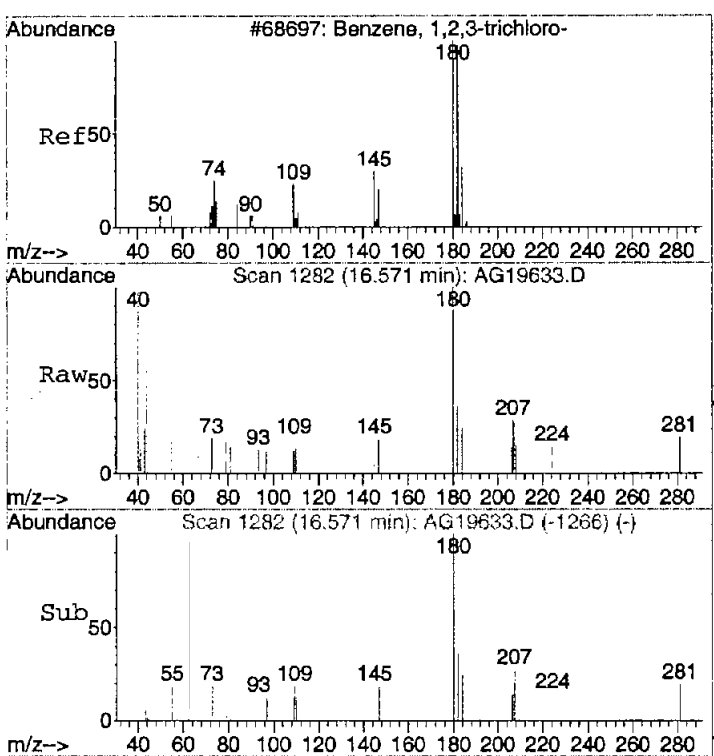


#93
Naphthalene
Concen: 0.21 ug/L
RT: 16.26 min Scan# 1256
Delta R.T. -0.00 min
Lab File: AG19633.D
Acq: 29 Nov 2004 3:52 pm

Tgt Ion:128 Resp: 23554

Ion	Ratio	Lower	Upper
128	100		
127	11.8	0.0	42.2
102	7.8	0.0	36.6

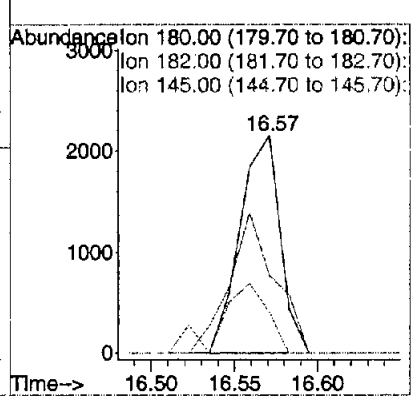




#94
1,2,3-Trichlorobenzene
Concen: 0.07 ug/L
RT: 16.57 min Scan# 1282
Delta R.T. 0.01 min
Lab File: AG19633.D
Acq: 29 Nov 2004 3:52 pm

Tgt Ion:180 Resp: 3652

Ion	Ratio	Lower	Upper
180	100		
182	73.3	69.6	129.6
145	37.6	5.9	65.9



BLANK SPIKE

00351

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19566.D Vial: 6
Acq On : 22 Nov 2004 10:54 am Operator: frz
Sample : 4.0 ug/Kg bs voa1042 Inst : VOAInst#3
Misc : soil #5.000 lot 0118801P Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:32 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	820158	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1258246	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	230040	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	515312	10.00	ug/Kg	0.00
System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	387325	10.02	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 100.20%			
34) Fluorobenzene(S)	7.23	96	1404126	9.42	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 94.20%			
36) Trifluorotoluene(S)	7.96	146	1154432	17.63	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 88.15%#			
45) Toluene-d8(S)	9.02	98	1323379	9.61	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 96.10%			
55) Ethylbenzene-d10(S)	10.74	98	1615702	9.58	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 95.80%			
64) Bromofluorobenzene(S)	12.09	174	436525	10.07	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 100.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	212606	4.78	ug/Kg	96
3) Chloromethane	1.87	50	170997	3.72	ug/Kg	97
4) Vinyl Chloride	1.99	62	134261	4.37	ug/Kg	100
5) Bromomethane	2.41	94	43753	4.37	ug/Kg	100
6) Chloroethane	2.56	64	68815	4.80	ug/Kg	94
7) Trichlorofluoromethane	2.90	101	191232	4.31	ug/Kg	93
8) 1,1-Dichloroethene	3.64	96	151830	4.07	ug/Kg	96
9) 1,1,2-Trichlorotrifluoroet	3.65	151	148840	4.14	ug/Kg	93
10) Carbon Disulfide	3.91	76	2420523	17.24	ug/Kg	99
11) Acetone	3.73	43	260460	36.52	ug/Kg	99
12) tert-Butyl alcohol	5.72	59	428259	21.92	ug/Kg	97
13) Methylene Chloride	4.31	49	222623	4.04	ug/Kg	98
14) Methyl tert-Butyl ether	4.66	73	431236	5.27	ug/Kg	94
15) trans-1,2-Dichloroethene	4.66	96	169810	4.13	ug/Kg	98
16) Hexane	4.99	56	135875	4.40	ug/Kg	98
17) Diisopropyl ether	5.28	45	505971	4.37	ug/Kg	98
18) 1,1-Dichloroethane	5.20	63	281484	4.07	ug/Kg	98
19) Vinyl Acetate	5.27	43	894710	13.32	ug/Kg#	96
20) Ethyl tert-butyl ether	5.72	87	178523	4.41	ug/Kg	90
21) 2,2-Dichloropropane	5.88	77	216566	3.98	ug/Kg	97
22) cis-1,2-Dichloroethene	5.91	96	182423	4.09	ug/Kg	89
23) 2-Butanone	5.92	57	27663	31.16	ug/Kg#	87
24) Bromochloromethane	6.19	49	142936	4.94	ug/Kg	97
25) Chloroform	6.30	85	182728	4.18	ug/Kg	99
26) 1,1,1-Trichloroethane	6.48	97	239662	4.20	ug/Kg	92
27) Cyclohexane	6.54	56	316476	4.17	ug/Kg	94
29) Carbon Tetrachloride	6.67	119	188145	3.91	ug/Kg	98
30) 1,1-Dichloropropene	6.67	75	203272	3.99	ug/Kg	97
31) tert-Amyl methyl ether	7.03	73	395837	4.85	ug/Kg#	93
32) Benzene	6.91	78	643457	4.31	ug/Kg	95
33) 1,2-Dichloroethane	6.94	62	211005	4.76	ug/Kg	93
37) Trichloroethene	7.65	130	180475	4.15	ug/Kg	98
38) Methylcyclohexane	7.84	55	221949	4.15	ug/Kg	95
39) 1,2-Dichloropropane	7.89	63	161966	4.24	ug/Kg	94
40) Dibromomethane	8.05	174	110125	4.83	ug/Kg	97
41) Bromodichloromethane	8.23	83	182537	4.09	ug/Kg	98

30910

(#) = qualifier out of range (m) = manual integration

00352

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19566.D Vial: 6
Acq On : 22 Nov 2004 10:54 am Operator: frz
Sample : 4.0 ug/Kg bs voa1042 Inst : VOAInst#3
Misc : soil #5.000 lot 0118801P Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:32 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

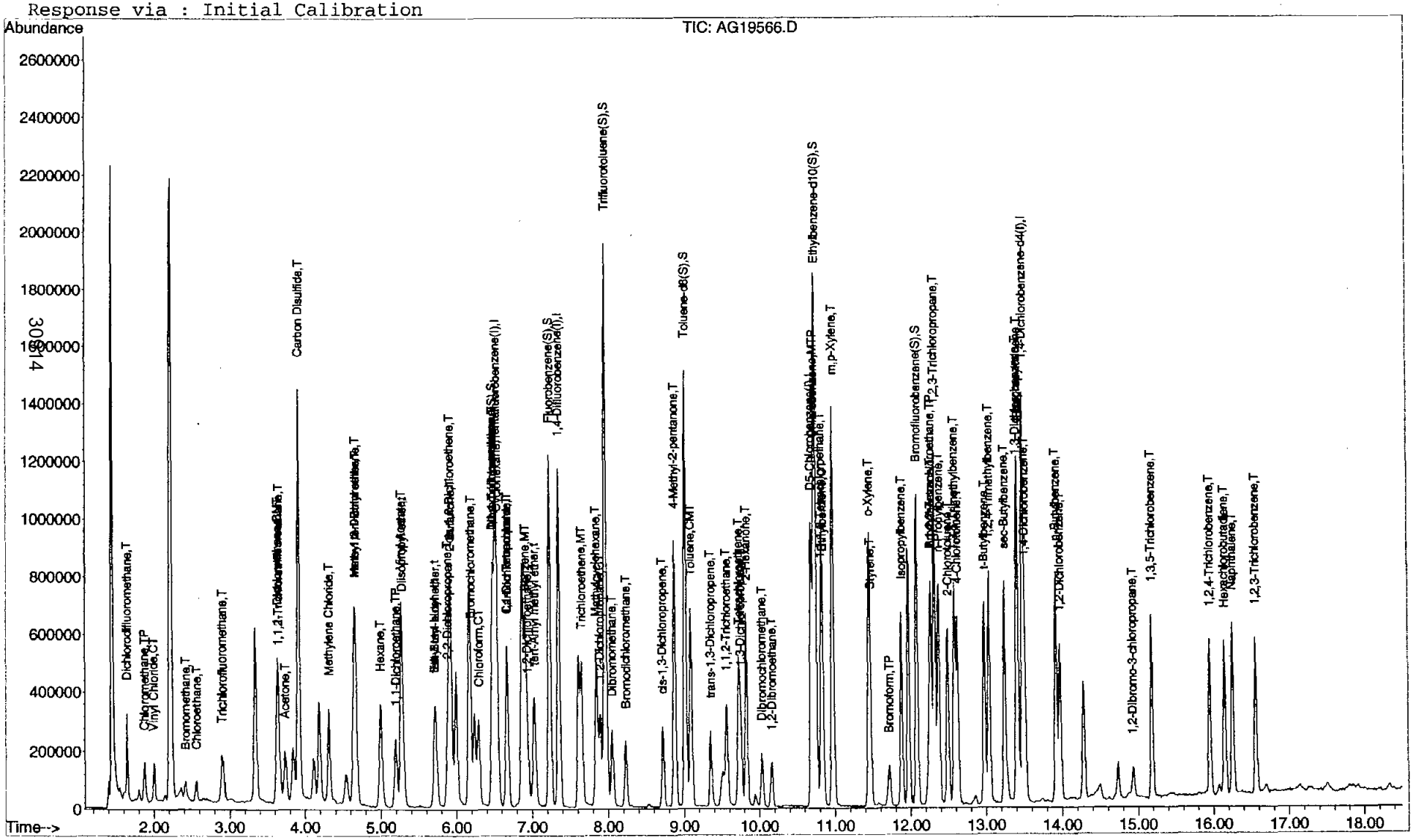
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	cis-1,3-Dichloropropene	8.71	75	212000	4.18	ug/Kg	95
44)	4-Methyl-2-pentanone	8.87	85	131741	36.45	ug/Kg#	87
46)	Toluene	9.09	91	660463	4.14	ug/Kg	97
47)	trans-1,3-Dichloropropene	9.35	75	176269	4.20	ug/Kg	85
48)	1,1,2-Trichloroethane	9.56	97	139583	4.89	ug/Kg	97
49)	Tetrachloroethene	9.73	164	142264	4.03	ug/Kg	98
50)	1,3-Dichloropropane	9.75	76	220758	4.89	ug/Kg	96
51)	2-Hexanone	9.83	85	44361	32.99	ug/Kg#	91
52)	Dibromochloromethane	10.03	129	118906	4.16	ug/Kg	99
53)	1,2-Dibromoethane	10.16	107	137734	5.25	ug/Kg	98
56)	Chlorobenzene	10.72	112	431569	4.11	ug/Kg	94
57)	1,1,1,2-Tetrachloroethane	10.82	131	135543	3.99	ug/Kg	93
58)	Ethylbenzene	10.84	91	703524	4.19	ug/Kg	98
59)	m,p-Xylene	10.97	106	546519	8.14	ug/Kg	99
60)	o-Xylene	11.45	91	514239	3.98	ug/Kg	96
61)	Styrene	11.47	104	372072	3.64	ug/Kg	88
62)	Bromoform	11.71	173	74042	4.55	ug/Kg	99
63)	Isopropylbenzene	11.88	105	604371	3.70	ug/Kg	97
65)	Bromobenzene	12.27	156	176707	4.13	ug/Kg	99
66)	1,1,2,2-Tetrachloroethane	12.27	83	296264+	5.84	ug/Kg	99
67)	1,2,3-Trichloropropane	12.32	110	58512	7.08	ug/Kg	97
68)	n-Propylbenzene	12.38	91	871445	4.36	ug/Kg	98
69)	2-Chlorotoluene	12.50	126	159219	3.73	ug/Kg	92
70)	4-Chlorotoluene	12.62	126	164538	3.87	ug/Kg#	82
71)	1,3,5-Trimethylbenzene	12.58	105	524928	3.93	ug/Kg	98
72)	t-Butylbenzene	12.98	119	489917	3.95	ug/Kg	95
73)	1,2,4-Trimethylbenzene	13.04	105	582326	4.29	ug/Kg	96
74)	sec-Butylbenzene	13.25	105	739688	4.29	ug/Kg	100
75)	4-Isopropyltoluene	13.42	119	608587	4.05	ug/Kg	98
76)	1,3-Dichlorobenzene	13.40	146	338143	4.16	ug/Kg	98
78)	1,4-Dichlorobenzene	13.51	146	342652	3.97	ug/Kg	98
79)	n-Butylbenzene	13.92	134	157598	3.98	ug/Kg	96
80)	1,2-Dichlorobenzene	13.97	146	313718	3.94	ug/Kg	96
81)	1,2-Dibromo-3-chloropropan	14.93	75	28673	6.07	ug/Kg	95
82)	1,3,5-Trichlorobenzene	15.18	180	274565	4.07	ug/Kg	98
83)	1,2,4-Trichlorobenzene	15.95	180	237814	4.04	ug/Kg	95
84)	Hexachlorobutadiene	16.15	225	148754	4.03	ug/Kg	95
85)	Naphthalene	16.26	128	603397	5.81	ug/Kg	98
86)	1,2,3-Trichlorobenzene	16.56	180	230951	4.13	ug/Kg	96

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19566.D Vial: 6
Acq On : 22 Nov 2004 10:54 am Operator: frz
Sample : 4.0 ug/Kg bs voa1042 Inst : VOAInst#3
Misc : soil #5.000 lot 0118801P Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14 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



00254

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19567.D Vial: 7
Acq On : 22 Nov 2004 11:20 am Operator: frz
Sample : 4.0 ug/Kg bsd voa1042 Inst : VOAInst#3
Misc : soil #5.000 lot 0118801P Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:34 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	827291	10.00	ug/Kg	0.01
35) 1,4-Difluorobenzene(I)	7.35	114	1231858	10.00	ug/Kg	0.00
54) D5-Chlorobenzene(I)	10.68	119	230210	10.00	ug/Kg	0.00
77) 1,4-Dichlorobenzene-d4(I)	13.49	152	514595	10.00	ug/Kg	0.00
System Monitoring Compounds						
28) Dibromofluoromethane(S)	6.48	111	381783	9.79	ug/Kg	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 97.90%			
34) Fluorobenzene(S)	7.23	96	1375607	9.15	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 91.50%#			
36) Trifluorotoluene(S)	7.96	146	1204322	18.78	ug/Kg	0.00
Spiked Amount 20.000	Range 89 - 120		Recovery = 93.90%			
45) Toluene-d8(S)	9.02	98	1291412	9.58	ug/Kg	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 95.80%			
55) Ethylbenzene-d10(S)	10.74	98	1605488	9.52	ug/Kg	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 95.20%			
64) Bromofluorobenzene(S)	12.09	174	428966	9.89	ug/Kg	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 98.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	195634	4.36	ug/Kg	98
3) Chloromethane	1.87	50	169627	3.64	ug/Kg	95
4) Vinyl Chloride	2.00	62	129943	4.20	ug/Kg	94
5) Bromomethane	2.41	94	37788	3.73	ug/Kg	85
6) Chloroethane	2.56	64	65553	4.53	ug/Kg	95
7) Trichlorofluoromethane	2.91	101	190323	4.25	ug/Kg	97
8) 1,1-Dichloroethene	3.64	96	147476	3.92	ug/Kg	94
9) 1,1,2-Trichlorotrifluoroet	3.65	151	134997	3.72	ug/Kg	91
10) Carbon Disulfide	3.91	76	2338761	16.52	ug/Kg	98
11) Acetone	3.73	43	225840	30.72	ug/Kg	97
12) tert-Butyl alcohol	5.72	59	421770	21.40	ug/Kg#	96
13) Methylene Chloride	4.31	49	217758	3.89	ug/Kg	99
14) Methyl tert-Butyl ether	4.66	73	424610	5.15	ug/Kg	94
15) trans-1,2-Dichloroethene	4.66	96	166579	4.01	ug/Kg	96
16) Hexane	5.00	56	118282	3.78	ug/Kg	100
17) Diisopropyl ether	5.28	45	489210	4.19	ug/Kg	97
18) 1,1-Dichloroethane	5.20	63	282602	4.05	ug/Kg	98
19) Vinyl Acetate	5.27	43	797032	11.76	ug/Kg#	95
20) Ethyl tert-butyl ether	5.72	87	176203	4.32	ug/Kg	89
21) 2,2-Dichloropropane	5.88	77	210077	3.83	ug/Kg	98
22) cis-1,2-Dichloroethene	5.91	96	183094	4.07	ug/Kg	92
23) 2-Butanone	5.92	57	27820	31.06	ug/Kg#	78
24) Bromochloromethane	6.19	49	135437	4.64	ug/Kg	97
25) Chloroform	6.30	85	179154	4.06	ug/Kg	99
26) 1,1,1-Trichloroethane	6.48	97	228506	3.97	ug/Kg	92
27) Cyclohexane	6.54	56	279700	3.66	ug/Kg	100
29) Carbon Tetrachloride	6.67	119	185958	3.83	ug/Kg	96
30) 1,1-Dichloropropene	6.67	75	198009	3.85	ug/Kg	98
31) tert-Amyl methyl ether	7.03	73	395547	4.81	ug/Kg	96
32) Benzene	6.91	78	635999	4.22	ug/Kg	95
33) 1,2-Dichloroethane	6.94	62	207454	4.64	ug/Kg	94
37) Trichloroethene	7.65	130	174980	4.11	ug/Kg	97
38) Methylcyclohexane	7.84	55	207654	3.97	ug/Kg	95
39) 1,2-Dichloropropane	7.89	63	158176	4.23	ug/Kg	93
40) Dibromomethane	8.05	174	108090	4.84	ug/Kg	96
41) Bromodichloromethane	8.23	83	174127	3.99	ug/Kg	96

(#) = qualifier out of range (m) = manual integration

00355

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19567.D Vial: 7
Acq On : 22 Nov 2004 11:20 am Operator: frz
Sample : 4.0 ug/Kg bsd voa1042 Inst : VOAInst#3
Misc : soil #5.000 lot 0118801P Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14:34 2004 Quant Results File: 11022004_LOWSOIL_8260.RES

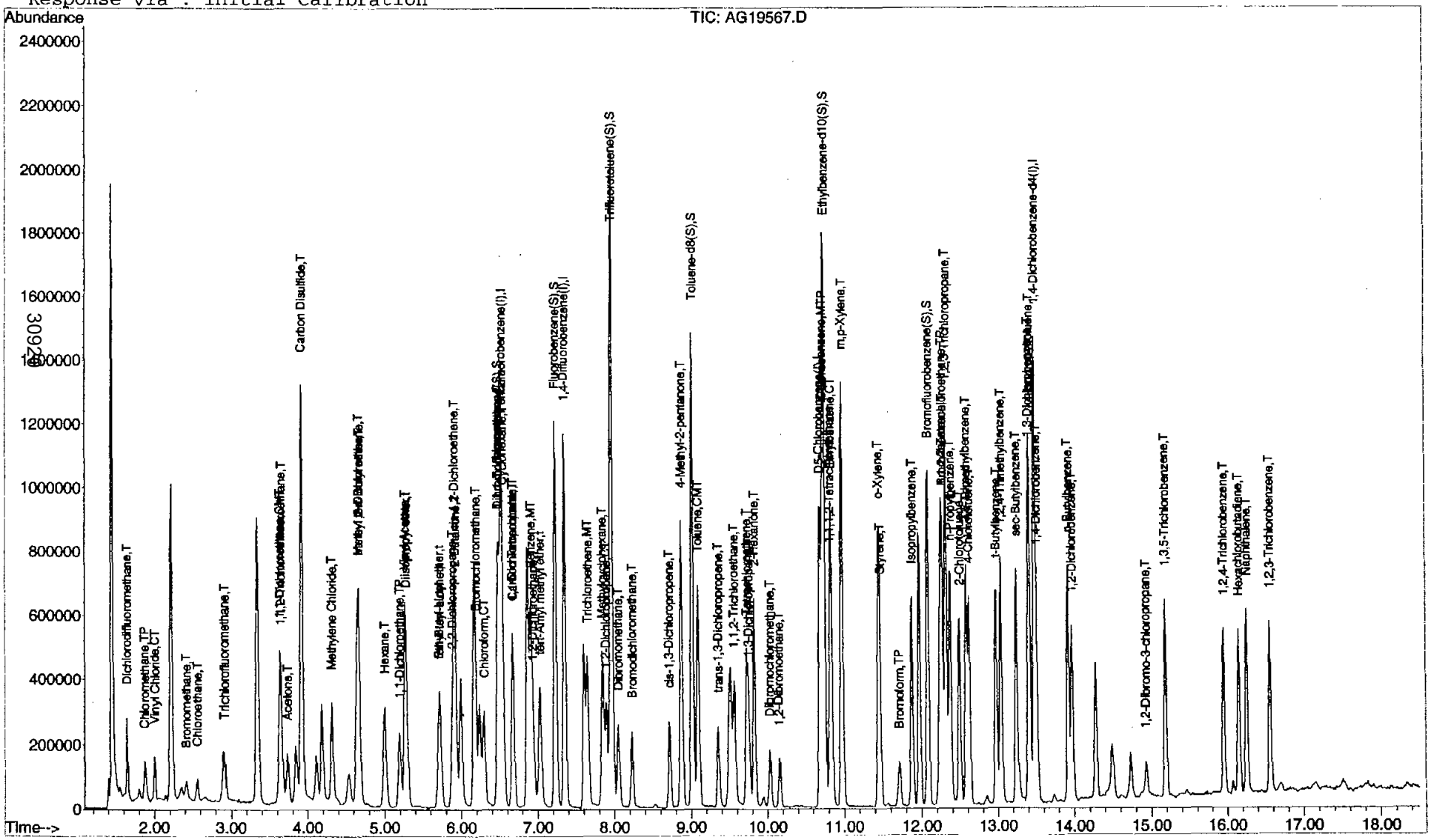
Quant Method : E:\METHODS\1...\11022004_LOWSOIL_8260.M (RTE Integrator)
Title : VOA by Method 5035/8260B:Direct Soil Purge
Last Update : Tue Nov 02 17:54:18 2004
Response via : Initial Calibration
DataAcq Meth : 8260B

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43)	cis-1,3-Dichloropropene	8.71	75	205964	4.15	ug/Kg	96
44)	4-Methyl-2-pentanone	8.87	85	129964	36.72	ug/Kg#	89
46)	Toluene	9.09	91	657640	4.21	ug/Kg	97
47)	trans-1,3-Dichloropropene	9.35	75	163577	3.98	ug/Kg	85
48)	1,1,2-Trichloroethane	9.56	97	142194	5.09	ug/Kg	92
49)	Tetrachloroethene	9.73	164	134710	3.90	ug/Kg	97
50)	1,3-Dichloropropane	9.75	76	220210	4.98	ug/Kg	94
51)	2-Hexanone	9.83	85	46041	34.97	ug/Kg#	90
52)	Dibromochloromethane	10.03	129	119489	4.27	ug/Kg	98
53)	1,2-Dibromoethane	10.15	107	140520	5.47	ug/Kg	96
56)	Chlorobenzene	10.72	112	421527	4.01	ug/Kg	93
57)	1,1,1,2-Tetrachloroethane	10.82	131	136005	4.00	ug/Kg	94
58)	Ethylbenzene	10.83	91	678503	4.04	ug/Kg	99
59)	m,p-Xylene	10.97	106	534830	7.96	ug/Kg	98
60)	o-Xylene	11.45	91	512783	3.96	ug/Kg	97
61)	Styrene	11.47	104	341969	3.35	ug/Kg	86
62)	Bromoform	11.71	173	74518	4.58	ug/Kg	99
63)	Isopropylbenzene	11.88	105	591879	3.62	ug/Kg	97
65)	Bromobenzene	12.27	156	178726	4.17	ug/Kg	98
66)	1,1,2,2-Tetrachloroethane	12.27	83	299173+	5.90	ug/Kg	99
67)	1,2,3-Trichloropropane	12.32	110	50187	6.02	ug/Kg	94
68)	n-Propylbenzene	12.38	91	816142	4.08	ug/Kg	98
69)	2-Chlorotoluene	12.50	126	165554	3.88	ug/Kg	97
70)	4-Chlorotoluene	12.62	126	163066	3.84	ug/Kg#	79
71)	1,3,5-Trimethylbenzene	12.58	105	513450	3.84	ug/Kg	100
72)	t-Butylbenzene	12.98	119	475344	3.83	ug/Kg	93
73)	1,2,4-Trimethylbenzene	13.04	105	553483	4.08	ug/Kg	97
74)	sec-Butylbenzene	13.25	105	697115	4.04	ug/Kg	99
75)	4-Isopropyltoluene	13.42	119	568961	3.78	ug/Kg	99
76)	1,3-Dichlorobenzene	13.40	146	323892	3.98	ug/Kg	99
78)	1,4-Dichlorobenzene	13.51	146	331878	3.85	ug/Kg	98
79)	n-Butylbenzene	13.92	134	151644	3.84	ug/Kg	97
80)	1,2-Dichlorobenzene	13.97	146	305585	3.85	ug/Kg	97
81)	1,2-Dibromo-3-chloropropan	14.93	75	30609	6.49	ug/Kg	92
82)	1,3,5-Trichlorobenzene	15.18	180	268335	3.98	ug/Kg	100
83)	1,2,4-Trichlorobenzene	15.95	180	225645	3.84	ug/Kg	96
84)	Hexachlorobutadiene	16.15	225	142032	3.84	ug/Kg	97
85)	Naphthalene	16.26	128	611501	5.90	ug/Kg	97
86)	1,2,3-Trichlorobenzene	16.56	180	221132	3.96	ug/Kg	98

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11222004\AG19567.D Vial: 7
Acq On : 22 Nov 2004 11:20 am Operator: frz
Sample : 4.0 ug/Kg bsd voa1042 Inst : VOAInst#3
Misc : soil #5.000 lot 0118801P Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 23 11:14 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



Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19630.D Vial: 5
Acq On : 29 Nov 2004 2:33 pm Operator: crf
Sample : 5.0 ug/L LCS/BS voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 17:04:11 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	917720	10.00	ug/L	0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1359199	10.00	ug/L	0.00
62) D5-Chlorobenzene(I)	10.68	119	261493	10.00	ug/L	0.00
85) 1,4-Dichlorobenzene-d4(I)	13.48	152	595333	10.00	ug/L	-0.01
System Monitoring Compounds						
33) Dibromofluoromethane(S)	6.48	111	398573	10.35	ug/L	0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 103.50%			
40) Fluorobenzene(S)	7.23	96	1510703	10.55	ug/L	0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 105.50%			
42) Trifluorotoluene(S)	7.96	146	660620	9.90	ug/L	0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 99.00%			
53) Toluene-d8(S)	9.02	98	1460527	10.87	ug/L	0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 108.70%#			
63) Ethylbenzene-d10(S)	10.74	98	1825106	11.35	ug/L	0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 113.50%#			
72) Bromofluorobenzene(S)	12.09	174	511928	10.63	ug/L	0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 106.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.64	85	203809	5.51	ug/L	97
3) Chloromethane	1.88	50	199552	5.05	ug/L	99
4) Vinyl Chloride	2.00	62	218523	5.56	ug/L	99
5) Bromomethane	2.43	94	64338	9.68	ug/L	100
6) Chloroethane	2.57	64	123147	5.35	ug/L	90
7) Trichlorofluoromethane	2.92	101	280730	5.24	ug/L	96
8) Acrolein	3.50	56	19588	5.16	ug/L	94
9) Ethyl ether	3.33	59	763898	25.17	ug/L	96
10) 1,1-Dichloroethene	3.65	96	159452	4.80	ug/L	98
11) 1,1,2-Trichlorotrifluoroet	3.66	151	148309	4.85	ug/L	91
12) Carbon Disulfide	3.93	76	2632648	22.08	ug/L	100
13) Acetone	3.72	43	219877	10.36	ug/L	100
14) tert-Butyl alcohol	5.70	59	566648	27.00	ug/L	95
15) Methylene Chloride	4.31	49	234209	4.83	ug/L	96
16) Methyl tert-Butyl ether	4.65	73	493532	5.51	ug/L	97
17) trans-1,2-Dichloroethene	4.66	96	186153	4.88	ug/L	95
18) Acrylonitrile	4.63	53	279346	23.59	ug/L	99
19) Hexane	5.00	56	111057	5.03	ug/L	90
20) Diisopropyl ether	5.27	45	645412	5.34	ug/L	98
21) 1,1-Dichloroethane	5.20	63	314180	4.96	ug/L	99
22) Vinyl Acetate	5.26	43	1306589	18.60	ug/L	98
23) Ethyl tert-butyl ether	5.72	87	234248	5.16	ug/L	95
24) 2,2-Dichloropropane	5.88	77	228447	4.97	ug/L	96
25) cis-1,2-Dichloroethene	5.91	96	203685	4.89	ug/L	88
26) 2-Butanone	5.91	57	27851	16.03	ug/L	98
27) Ethyl acetate	5.98	45	106706	24.18	ug/L	97
28) Tetrahydrofuran	6.23	71	88082	24.41	ug/L	93
29) Bromochloromethane	6.19	49	160418	5.19	ug/L	99
30) Chloroform	6.30	85	205693	4.95	ug/L	94
31) 1,1,1-Trichloroethane	6.48	97	270661	5.04	ug/L	94
32) Cyclohexane	6.54	56	301624	4.63	ug/L	91
34) Carbon Tetrachloride	6.67	119	226144	5.27	ug/L	99
35) 1,1-Dichloropropene	6.67	75	223496	4.57	ug/L	97
36) tert-Amyl methyl ether	7.02	73	512346	5.44	ug/L	96
37) Benzene	6.91	78	759843	5.08	ug/L	97
38) iso-Butyl alcohol	6.85	43	520621	463.27	ug/L	99

(#) = qualifier out of range (m) = manual integration

00358

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19630.D Vial: 5
Acq On : 29 Nov 2004 2:33 pm Operator: crf
Sample : 5.0 ug/L LCS/BS voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 17:04:11 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

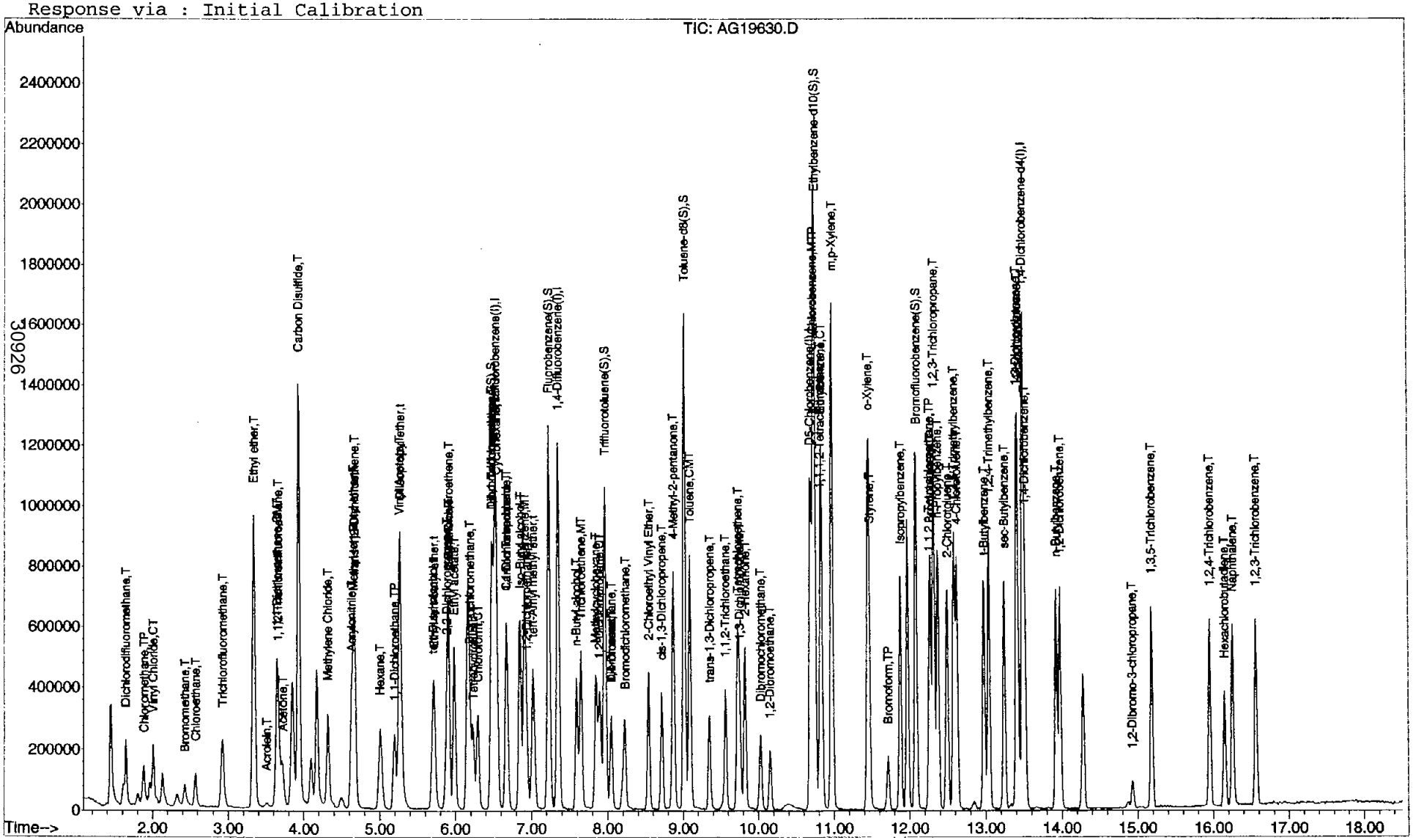
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
39)	1,2-Dichloroethane	6.94	62	248627	5.01	ug/L		96
43)	Trichloroethene	7.65	130	214394	5.02	ug/L		94
44)	n-Butyl alcohol	7.59	41	211692	455.43	ug/L		98
45)	Methylcyclohexane	7.84	55	189643	4.76	ug/L		95
46)	1,2-Dichloropropane	7.89	63	188920	4.97	ug/L		97
47)	Dibromomethane	8.05	174	124955	4.74	ug/L		98
48)	1,4-Dioxane	8.05	88	37165	116.04	ug/L		86
49)	Bromodichloromethane	8.23	83	229591	5.01	ug/L		99
50)	2-Chloroethyl Vinyl Ether	8.54	63	224396	39.96	ug/L		97
51)	cis-1,3-Dichloropropene	8.71	75	276053	5.18	ug/L		100
52)	4-Methyl-2-pentanone	8.87	85	123876	23.33	ug/L		98
54)	Toluene	9.09	91	802473	4.91	ug/L		99
55)	trans-1,3-Dichloropropene	9.35	75	227717	4.71	ug/L		99
56)	1,1,2-Trichloroethane	9.56	97	161903	4.81	ug/L		98
57)	Tetrachloroethene	9.73	164	167342	4.87	ug/L		92
58)	1,3-Dichloropropane	9.75	76	264570	4.82	ug/L		99
59)	2-Hexanone	9.83	85	39964	15.89	ug/L	#	93
60)	Dibromochloromethane	10.03	129	166590	5.08	ug/L		93
61)	1,2-Dibromoethane	10.15	107	166458	5.06	ug/L		98
64)	Chlorobenzene	10.72	112	549439	4.93	ug/L		94
65)	1,1,1,2-Tetrachloroethane	10.82	131	180996	5.21	ug/L		96
66)	Ethylbenzene	10.83	91	867681	5.01	ug/L		100
67)	m,p-Xylene	10.97	106	683859	9.92	ug/L		96
68)	o-Xylene	11.45	91	672252	4.97	ug/L		94
69)	Styrene	11.47	104	514434	4.95	ug/L		91
70)	Bromoform	11.71	173	103070	5.10	ug/L		89
71)	Isopropylbenzene	11.88	105	744575	4.74	ug/L		99
73)	Bromobenzene	12.27	156	233005	4.94	ug/L		96
74)	1,1,2,2-Tetrachloroethane	12.26	83	307300+	4.91	ug/L		99
75)	1,2,3-Trichloropropane	12.32	110	56707	4.88	ug/L		94
76)	n-Propylbenzene	12.36	91	992436	5.02	ug/L		97
77)	2-Chlorotoluene	12.50	126	219088	5.08	ug/L		94
78)	4-Chlorotoluene	12.62	126	223108	4.97	ug/L		94
79)	1,3,5-Trimethylbenzene	12.58	105	646101	5.01	ug/L		97
80)	t-Butylbenzene	12.98	119	543160	4.99	ug/L		95
81)	1,2,4-Trimethylbenzene	13.04	105	693272	5.21	ug/L		98
82)	sec-Butylbenzene	13.25	105	748860	5.21	ug/L		99
83)	4-Isopropyltoluene	13.42	119	637276	5.01	ug/L		99
84)	1,3-Dichlorobenzene	13.40	146	421942	4.95	ug/L		98
86)	1,4-Dichlorobenzene	13.51	146	431353	4.81	ug/L		96
87)	n-Butylbenzene	13.92	134	146151	5.09	ug/L		94
88)	1,2-Dichlorobenzene	13.97	146	403697	4.77	ug/L		97
89)	1,2-Dibromo-3-chloropropan	14.93	75	29423	5.05	ug/L		81
90)	1,3,5-Trichlorobenzene	15.18	180	300973	5.34	ug/L		98
91)	1,2,4-Trichlorobenzene	15.95	180	279979	5.17	ug/L		98
92)	Hexachlorobutadiene	16.15	225	109181	5.29	ug/L		98
93)	Naphthalene	16.26	128	637202	5.37	ug/L		98
94)	1,2,3-Trichlorobenzene	16.56	180	257664	4.94	ug/L		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AG19630.D 11232004_AQUEOUS_8260.M Wed Dec 01 17:04:13 2004 Page 2

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19630.D Vial: 5
Acq On : 29 Nov 2004 2:33 pm Operator: crf
Sample : 5.0 ug/L LCS/BS voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 17:04 2004 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



09200

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19631.D Vial: 6
Acq On : 29 Nov 2004 2:59 pm Operator: crf
Sample : 5.0 ug/L LCS/BSD 8260 voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 17:04:17 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)	6.52	168	913476	10.00	ug/L		0.00
41) 1,4-Difluorobenzene(I)	7.35	114	1349058	10.00	ug/L		0.00
62) D5-Chlorobenzene(I)	10.68	119	257292	10.00	ug/L		0.00
85) 1,4-Dichlorobenzene-d4(I)	13.49	152	583434	10.00	ug/L		0.00
System Monitoring Compounds							
33) Dibromofluoromethane(S)	6.48	111	379832	9.91	ug/L		0.00
Spiked Amount 10.000	Range 88 - 111		Recovery = 99.10%				
40) Fluorobenzene(S)	7.23	96	1488763	10.45	ug/L		0.00
Spiked Amount 10.000	Range 92 - 107		Recovery = 104.50%				
42) Trifluorotoluene(S)	7.96	146	665814	10.05	ug/L		0.01
Spiked Amount 10.000	Range 89 - 120		Recovery = 100.50%				
53) Toluene-d8(S)	9.02	98	1439227	10.80	ug/L		0.01
Spiked Amount 10.000	Range 92 - 107		Recovery = 108.00%#				
63) Ethylbenzene-d10(S)	10.74	98	1790900	11.32	ug/L		0.01
Spiked Amount 10.000	Range 89 - 109		Recovery = 113.20%#				
72) Bromofluorobenzene(S)	12.09	174	505259	10.66	ug/L		0.01
Spiked Amount 10.000	Range 88 - 110		Recovery = 106.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.64	85	203127	5.52	ug/L		97
3) Chloromethane	1.88	50	186312	4.72	ug/L		99
4) Vinyl Chloride	2.00	62	211579	5.41	ug/L		99
5) Bromomethane	2.43	94	54530	8.24	ug/L		97
6) Chloroethane	2.57	64	118167	5.15	ug/L		89
7) Trichlorofluoromethane	2.92	101	270987	5.08	ug/L		98
8) Acrolein	3.51	56	19883	5.26	ug/L		98
9) Ethyl ether	3.33	59	778233	25.76	ug/L		97
10) 1,1-Dichloroethene	3.65	96	155371	4.70	ug/L		96
11) 1,1,2-Trichlorotrifluoroet	3.66	151	145018	4.77	ug/L		94
12) Carbon Disulfide	3.94	76	2567664	21.64	ug/L		99
13) Acetone	3.72	43	222033	10.51	ug/L		99
14) tert-Butyl alcohol	5.71	59	558887	26.75	ug/L		95
15) Methylene Chloride	4.32	49	231611	4.80	ug/L		97
16) Methyl tert-Butyl ether	4.65	73	504075	5.66	ug/L		98
17) trans-1,2-Dichloroethene	4.68	96	191940	5.06	ug/L		98
18) Acrylonitrile	4.63	53	297941	25.27	ug/L		99
19) Hexane	5.00	56	109970	5.00	ug/L		89
20) Diisopropyl ether	5.28	45	634614	5.28	ug/L		99
21) 1,1-Dichloroethane	5.20	63	311191	4.94	ug/L		98
22) Vinyl Acetate	5.27	43	1401180	20.03	ug/L	#	99
23) Ethyl tert-butyl ether	5.71	87	235745	5.22	ug/L		98
24) 2,2-Dichloropropane	5.88	77	218156	4.77	ug/L		96
25) cis-1,2-Dichloroethene	5.91	96	202030	4.87	ug/L		90
26) 2-Butanone	5.91	57	28351	16.39	ug/L	#	88
27) Ethyl acetate	5.98	45	119017	27.09	ug/L		94
28) Tetrahydrofuran	6.23	71	95254	26.52	ug/L		95
29) Bromochloromethane	6.19	49	162706	5.29	ug/L		98
30) Chloroform	6.30	85	199075	4.81	ug/L		87
31) 1,1,1-Trichloroethane	6.49	97	270779	5.07	ug/L		93
32) Cyclohexane	6.54	56	300931	4.64	ug/L		91
34) Carbon Tetrachloride	6.67	119	223458	5.24	ug/L		96
35) 1,1-Dichloropropene	6.67	75	234183	4.82	ug/L		99
36) tert-Amyl methyl ether	7.02	73	509105	5.43	ug/L		94
37) Benzene	6.91	78	747026	5.02	ug/L		96
38) iso-Butyl alcohol	6.85	43	590755	528.12	ug/L		100

(#) = qualifier out of range (m) = manual integration

00361

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19631.D Vial: 6
Acq On : 29 Nov 2004 2:59 pm Operator: crf
Sample : 5.0 ug/L LCS/BSD 8260 voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 01 17:04:17 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

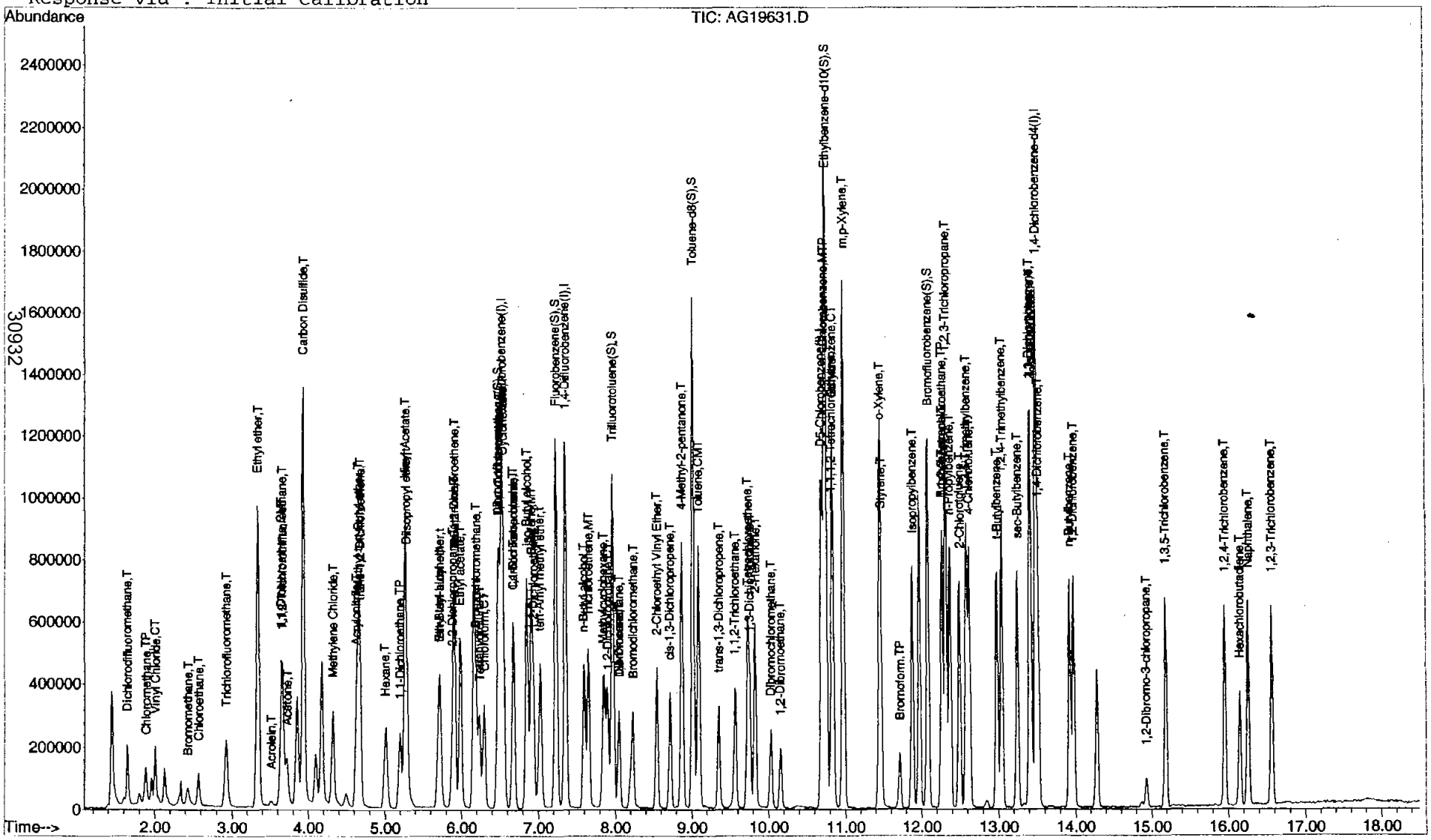
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39)	1,2-Dichloroethane	6.94	62	248715	5.03	ug/L	97
43)	Trichloroethene	7.65	130	209811	4.95	ug/L	97
44)	n-Butyl alcohol	7.59	41	240240	520.74	ug/L	98
45)	Methylcyclohexane	7.84	55	193449	4.90	ug/L	97
46)	1,2-Dichloropropane	7.90	63	184703	4.89	ug/L	95
47)	Dibromomethane	8.05	174	133593	5.10	ug/L	94
48)	1,4-Dioxane	8.05	88	41138	129.41	ug/L	82
49)	Bromodichloromethane	8.23	83	227627	5.01	ug/L	95
50)	2-Chloroethyl Vinyl Ether	8.54	63	215342	38.76	ug/L	97
51)	cis-1,3-Dichloropropene	8.71	75	270370	5.11	ug/L	99
52)	4-Methyl-2-pentanone	8.87	85	134782	25.58	ug/L	98
54)	Toluene	9.09	91	797507	4.92	ug/L	99
55)	trans-1,3-Dichloropropene	9.35	75	226095	4.71	ug/L	99
56)	1,1,2-Trichloroethane	9.56	97	164675	4.93	ug/L	98
57)	Tetrachloroethene	9.73	164	167645	4.91	ug/L	94
58)	1,3-Dichloropropane	9.75	76	276103	5.06	ug/L	95
59)	2-Hexanone	9.83	85	44993	18.03	ug/L	97
60)	Dibromochloromethane	10.03	129	166683	5.12	ug/L	95
61)	1,2-Dibromoethane	10.15	107	167746	5.14	ug/L	99
64)	Chlorobenzene	10.72	112	548816	5.01	ug/L	96
65)	1,1,1,2-Tetrachloroethane	10.82	131	177234	5.18	ug/L	95
66)	Ethylbenzene	10.83	91	873608	5.13	ug/L	99
67)	m,p-Xylene	10.97	106	686635	10.13	ug/L	97
68)	o-Xylene	11.45	91	658221	4.95	ug/L	92
69)	Styrene	11.47	104	510841	4.99	ug/L	89
70)	Bromoform	11.71	173	109189	5.47	ug/L	94
71)	Isopropylbenzene	11.88	105	740582	4.80	ug/L	99
73)	Bromobenzene	12.27	156	235176	5.07	ug/L	96
74)	1,1,2,2-Tetrachloroethane	12.27	83	327891+	5.32	ug/L	99
75)	1,2,3-Trichloropropane	12.32	110	61855	5.41	ug/L	95
76)	n-Propylbenzene	12.36	91	998305	5.14	ug/L	98
77)	2-Chlorotoluene	12.50	126	207605	4.90	ug/L	99
78)	4-Chlorotoluene	12.62	126	225920	5.12	ug/L	92
79)	1,3,5-Trimethylbenzene	12.58	105	645698	5.09	ug/L	97
80)	t-Butylbenzene	12.98	119	546804	5.11	ug/L	95
81)	1,2,4-Trimethylbenzene	13.04	105	702017	5.36	ug/L	98
82)	sec-Butylbenzene	13.25	105	758032	5.36	ug/L	100
83)	4-Isopropyltoluene	13.42	119	616546	4.93	ug/L	99
84)	1,3-Dichlorobenzene	13.40	146	424644	5.06	ug/L	99
86)	1,4-Dichlorobenzene	13.51	146	432512	4.92	ug/L	95
87)	n-Butylbenzene	13.92	134	150773	5.36	ug/L	97
88)	1,2-Dichlorobenzene	13.97	146	411042	4.96	ug/L	98
89)	1,2-Dibromo-3-chloropropan	14.93	75	32386	5.67	ug/L	83
90)	1,3,5-Trichlorobenzene	15.18	180	306674	5.55	ug/L	99
91)	1,2,4-Trichlorobenzene	15.95	180	282864	5.33	ug/L	97
92)	Hexachlorobutadiene	16.15	225	103539	5.11	ug/L	93
93)	Naphthalene	16.26	128	691336	5.95	ug/L	98
94)	1,2,3-Trichlorobenzene	16.56	180	273982	5.37	ug/L	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed
AG19631.D 11232004_AQUEOUS_8260.M Wed Dec 01 17:04:20 2004 Page 2

Quantitation Report (Not Reviewed)

Data File : E:\DATA\11292004\AG19631.D Vial: 6
Acq On : 29 Nov 2004 2:59 pm Operator: crf
Sample : 5.0 ug/L LCS/BSD 8260 voa1050 Inst : VOAInst#3
Misc : water Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 1 17:04 2004 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



LABORATORY WORKSHEETS

00364

Volatile GCMS Worksheet - total

11/30

QC Level:Tier IV	Due: 11/30/04
Matrix:solid	Work Order - 124945
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie

0573/1

Special Instructions

~~Subbed TOC to Burlington~~
Encores put in SR freezer @10:30am 11/18 KP

Encore Samples

~~Sample number 124945-3~~	Client Sample ID: 041116SGA02SS
Sample Weight/Volume: 4.657g / 5mL	Date Received: 11/18/2004
VOCs - EPA 8260	**Date Sampled: 11/16/2004 3:15:00 PM**

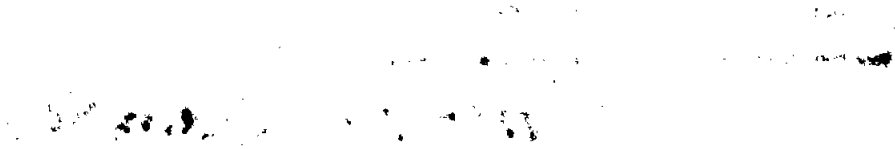
Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date 11/23/2004

Reviewed by _____ Date 30936 11/29/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

00365



5 11/19 **Volatile GCMS Worksheet - total** 11/30

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:liquid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie	31C/2

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

See attached

~~Sample number 124945-1~~	Client Sample ID	041116SGA01GW
Sample Weight/Volume	Date Received	11/18/2004
	Date Sampled	**1/16/2004 10:30:00 AM**

VOCs - EPA 8260 (ST)

~~Sample number 124945-2~~	Client Sample ID	Trip Blank #2718
Sample Weight/Volume	Date Received	11/18/2004
	Date Sampled	**11/16/2004**

VOCs - EPA 8260 (ST)

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date 12/2/04

Reviewed by (DL) Date 30938 12/6/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

VOLATILE EXTRACTION LOG

Date: 11/22/2004 (1)
Analyst:
Spike: STL VOA No.: 1249-55-03 ; 1249-55-04
Spike Amount (uL): 1.0 ea
LCS No.: 1249-63-04
LCS Amount (ug/L): 4.0 ug/kg

QC Batch ID: VOA 1042
Methanol Lot No.: —
VOA IS/SMC Std. No.: 1249-56-01
Instrument ID: SEA001
Surrogate No.: 1249-55-05
Surrogate Amount (uL): 2.5

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	5.000						(1)	
Blank Spike / LCS	1							
Blank Spike Duplicate / LCS	1							
1 124945-03	2.539							
2 124993-02	1.786							
3 -03	2.830							
4 -04	3.256							
5 -06	2.510							
6 -07	2.482							
7 -07 MS	2.056							
8 -07 MSD	2.304							
9 -17	5.525							
10 -18	3.657							
11 -19	4.040							
12 -20	4.098							
13 -20 MS	3.968							
14 -20 MSD	5.020							
15								
16								
17								
18								
19							(1) 11/22/2004	
20								
21								
22								
23								

SPIKE WITNESSING: (CHECK OFF, SIGN & DATE)

Method
Special Spiking Instructions

Matrix
Spike Soln.
Amount Spiked

Signature: _____
Date: 11/22/2004

29

00367

VOLATILE EXTRACTION LOG

Date: 11/29/04
Analyst: [illegible]
Spike: STL VOA No.: _____
Spike Amount (uL): _____
LCS No.: 1249-64-06
LCS Amount (ug/L): 5.0

QC Batch ID: VOA 1050
Methanol Lot No.: ✓
VOA IS/SMC Std. No.: 1249-56-01
Instrument ID: 5972.00 1
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								
Blank Spike Duplicate								
1 124945-1								
2 " -4								
3 125014-1					1:1000			
4 124993-8								
5 -9								
6 -10								
7 -11								
8 -11MS								
9 -11MSD								
10 -12								
11 -13								
12 -14								
13 -15								
14 -16								
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: [illegible]
Date: 11/29/04

36

00368

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	**voa1042**
Client Sample ID	
Date Received	
Date Prepared	**11-22-04**
Date Analyzed	**11-22-04**
Sample matrix type	**solid**
QC sample type	**blank**

Sample weight (g)	**5**	=	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	9.8924		98.9	**OK**		
x	Fluorobenzene	9.438		94.4	**OK**		
x	Toluene-D8	9.3667		93.7	**OK**		
x	Ethylbenzene-d10	9.3809		93.8	**OK**		
x	Bromofluorobenzene	9.4146		94.1	**OK**		
x	Trifluorotoluene	21.7128		109	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Acetone	12.4852	n		12.5	N	5
x	Chloroform	0.0587			0.0587	J	1
x	Benzene	0.0794			0.0794	J	1
x	Toluene	0.2084			0.208	J	1
x	Ethylbenzene	0.055			0.055	J	1
x	m,p-Xylene	0.127			0.127	J	2
x	o-Xylene	0.0363			0.0363	J	1
x	Styrene	0.0313			0.0313	J	1
x	1,2,4-Trimethylbenzene	0.0783			0.0783	J	1

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STL Seattle

6a **Sample Information** — Analyst use only. Do not change! COE list

Client Name	
Work Order Number	
Sample Number	Related Blank: voa1042
QC Batch Number	**voa1042**
Client Sample ID	
Date Received	
Date Prepared	**11-22-04**
Date Analyzed	**11-22-04**
Sample matrix type	**solid**
QC sample type	**bs**

Sample weight (g)	**5**	=	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	10.0171		100	**OK**		
x	Fluorobenzene	9.4225		94.2	**OK**		
x	Toluene-D8	9.6064		96.1	**OK**		
x	Ethylbenzene-d10	9.5827		95.8	**OK**		
x	Bromofluorobenzene	10.0702		101	**OK**		
x	Trifluorotoluene	17.6288		88.1	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Dichlorodifluoromethane	4.7808			4.78		1
x	Chloromethane	3.7168			3.72		1
x	Vinyl chloride	4.3724			4.37		1
x	Bromomethane	4.3693			4.37		1
x	Chloroethane	4.7978			4.8		1
x	Trichlorofluoromethane	4.3109			4.31		1
x	1,1-Dichloroethene	4.0715			4.07		1
	1,1,2-Trichlorotrifluoroethane	4.1368			4.14		1
x	Carbon disulfide	17.2421			17.2		1
x	Acetone	36.5152		12.4852	36.5	B1	5
x	Methylene chloride	4.0379			4.04		1
	Methyl tert-butyl ether	5.2729			5.27		1
x	trans-1,2-Dichloroethene	4.1284			4.13		1
	Hexane	4.4045			4.4		1
x	1,1-Dichloroethane	4.0739			4.07		1
x	Vinyl acetate	13.3163			13.3		5
x	2,2-Dichloropropane	3.9839			3.98		1
x	2-Butanone	31.1607			31.2		5
x	cis-1,2-Dichloroethene	4.0916			4.09		1
x	Bromochloromethane	4.9419			4.94		1

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x	Chloroform	4.1799	0.0587	4.18	B2	1
x	1,1,1-Trichloroethane	4.1972		4.2		1
x	Carbon Tetrachloride	3.9114		3.91		1
x	1,1-Dichloropropene	3.9918		3.99		1
x	Benzene	4.3073	0.0794	4.31	B2	1
x	1,2-Dichloroethane	4.76		4.76		1
x	Trichloroethene	4.1492		4.15		1
x	1,2-Dichloropropane	4.2398		4.24		1
x	Dibromomethane	4.826		4.83		1
x	Bromodichloromethane	4.0935		4.09		1
x	cis-1,3-Dichloropropene	4.1805		4.18		1
x	4-Methyl-2-pentanone	36.4457		36.4		5
x	Toluene	4.1436	0.2084	4.14	B2	1
x	trans-1,3-Dichloropropene	4.1988		4.2		1
x	1,1,2-Trichloroethane	4.8931		4.89		1
x	Tetrachloroethene	4.0345		4.03		1
x	1,3-Dichloropropane	4.8869		4.89		1
x	2-Hexanone	32.9884		33		5
x	Dibromochloromethane	4.1635		4.16		1
x	1,2-Dibromoethane	5.2451		5.25		1
x	Chlorobenzene	4.1053		4.11		1
x	Ethylbenzene	4.1936	0.055	4.19	B2	1
x	1,1,1,2-Tetrachloroethane	3.9888		3.99		1
x	m,p-Xylene	8.1402	0.127	8.14	B2	2
x	o-Xylene	3.9792	0.0363	3.98	B2	1
x	Styrene	3.6433	0.0313	3.64	B2	1
x	Bromoform	4.5512		4.55		1
x	Isopropylbenzene	3.7024		3.7		1
x	Bromobenzene	4.1306		4.13		1
x	n-Propylbenzene	4.355		4.36		1
x	1,1,2,2-Tetrachloroethane	5.8449		5.84		1
x	1,2,3-Trichloropropane	7.0771		7.08		1
x	2-Chlorotoluene	3.7311		3.73		1
x	1,3,5-Trimethylbenzene	3.9299		3.93		1
x	4-Chlorotoluene	3.8733		3.87		1
x	t-Butylbenzene	3.9539		3.95		1
x	1,2,4-Trimethylbenzene	4.2908	0.0783	4.29	B2	1
x	sec-Butylbenzene	4.2944		4.29		1
x	1,3-Dichlorobenzene	4.1617		4.16		1
x	4-Isopropyltoluene	4.0457		4.05		1
x	1,4-Dichlorobenzene	3.9718		3.97		1
x	n-Butylbenzene	3.9807		3.98		1
x	1,2-Dichlorobenzene	3.9426		3.94		1
x	1,2-Dibromo-3-chloropropane	6.0706		6.07		1
	1,3,5-Trichlorobenzene	4.069		4.07		1
x	1,2,4-Trichlorobenzene	4.0411		4.04		1
x	1,2,3-Trichlorobenzene	4.1321		4.13		1
x	Hexachlorobutadiene	4.0274		4.03		1
x	Naphthalene	5.814		5.81		1
	Cyclohexane	4.1738		4.17		1
	Methylcyclohexane	4.1518		4.15		1

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tert-Butyl alcohol	21.9181	21.9	5
Diisopropyl ether	4.3725	4.37	1
Ethyl tert-Butyl ether	4.4149	4.41	1
tert-Amyl methyl ether	4.8543	4.85	1

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6a **Sample Information** — Analyst use only. Do not change! COE list

Client Name	
Work Order Number	
Sample Number	Related Blank: voa1042
QC Batch Number	**voa1042**
Client Sample ID	
Date Received	
Date Prepared	**11-22-04**
Date Analyzed	**11-22-04**
Sample matrix type	**solid**
QC sample type	**bsd**

Sample weight (g)	**5**	=	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	9.7887		97.9	**OK**		
x	Fluorobenzene	9.1515		91.5	**OK**		
x	Toluene-D8	9.5752		95.8	**OK**		
x	Ethylbenzene-d10	9.515		95.2	**OK**		
x	Bromofluorobenzene	9.8886		98.9	**OK**		
x	Trifluorotoluene	18.7846		93.9	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Dichlorodifluoromethane	4.3612			4.36		1
x	Chloromethane	3.6438			3.64		1
x	Vinyl chloride	4.1953			4.2		1
x	Bromomethane	3.7309			3.73		1
x	Chloroethane	4.531			4.53		1
x	Trichlorofluoromethane	4.2493			4.25		1
x	1,1-Dichloroethene	3.9207			3.92		1
	1,1,2-Trichlorotrifluoroethane	3.7197			3.72		1
x	Carbon disulfide	16.5161			16.5		1
x	Acetone	30.7227		12.4852	30.7	B1	5
x	Methylene chloride	3.8915			3.89		1
	Methyl tert-butyl ether	5.1472			5.15		1
x	trans-1,2-Dichloroethene	4.0149			4.01		1
	Hexane	3.78			3.78		1
x	1,1-Dichloroethane	4.0549			4.05		1
x	Vinyl acetate	11.7603			11.8		5
x	2,2-Dichloropropane	3.8312			3.83		1
x	2-Butanone	31.0633			31.1		5
x	cis-1,2-Dichloroethene	4.0712			4.07		1
x	Bromochloromethane	4.6423			4.64		1

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x	Chloroform	4.0628	0.0587	4.06	B2	1
x	1,1,1-Trichloroethane	3.9673		3.97		1
x	Carbon Tetrachloride	3.8326		3.83		1
x	1,1-Dichloropropene	3.8549		3.85		1
x	Benzene	4.2207	0.0794	4.22	B2	1
x	1,2-Dichloroethane	4.6395		4.64		1
x	Trichloroethene	4.109		4.11		1
x	1,2-Dichloropropane	4.2293		4.23		1
x	Dibromomethane	4.8383		4.84		1
x	Bromodichloromethane	3.9885		3.99		1
x	cis-1,3-Dichloropropene	4.1485		4.15		1
x	4-Methyl-2-pentanone	36.7242		36.7		5
x	Toluene	4.2143	0.2084	4.21	B2	1
x	trans-1,3-Dichloropropene	3.9799		3.98		1
x	1,1,2-Trichloroethane	5.0914		5.09		1
x	Tetrachloroethene	3.9022		3.9		1
x	1,3-Dichloropropane	4.9792		4.98		1
x	2-Hexanone	34.9711		35		5
x	Dibromochloromethane	4.2735		4.27		1
x	1,2-Dibromoethane	5.4658		5.47		1
x	Chlorobenzene	4.0068		4.01		1
x	Ethylbenzene	4.0414	0.055	4.04	B2	1
x	1,1,1,2-Tetrachloroethane	3.9994		4		1
x	m,p-Xylene	7.9602	0.127	7.96	B2	2
x	o-Xylene	3.965	0.0363	3.97	B2	1
x	Styrene	3.3461	0.0313	3.35	B2	1
x	Bromoform	4.5771		4.58		1
x	Isopropylbenzene	3.6232		3.62		1
x	Bromobenzene	4.1747		4.17		1
x	n-Propylbenzene	4.0756		4.08		1
x	1,1,2,2-Tetrachloroethane	5.8979		5.9		1
x	1,2,3-Trichloropropane	6.0209		6.02		1
x	2-Chlorotoluene	3.8767		3.88		1
x	1,3,5-Trimethylbenzene	3.8411		3.84		1
x	4-Chlorotoluene	3.8358		3.84		1
x	t-Butylbenzene	3.8334		3.83		1
x	1,2,4-Trimethylbenzene	4.0753	0.0783	4.08	B2	1
x	sec-Butylbenzene	4.0442		4.04		1
x	1,3-Dichlorobenzene	3.9834		3.98		1
x	4-Isopropyltoluene	3.7795		3.78		1
x	1,4-Dichlorobenzene	3.8523		3.85		1
x	n-Butylbenzene	3.8357		3.84		1
x	1,2-Dichlorobenzene	3.8458		3.85		1
x	1,2-Dibromo-3-chloropropane	6.4895		6.49		1
	1,3,5-Trichlorobenzene	3.9822		3.98		1
x	1,2,4-Trichlorobenzene	3.8397		3.84		1
x	1,2,3-Trichlorobenzene	3.9619		3.96		1
x	Hexachlorobutadiene	3.8421		3.84		1
x	Naphthalene	5.9003		5.9		1
	Cyclohexane	3.6569		3.66		1
	Methylcyclohexane	3.9676		3.97		1

tert-Butyl alcohol	21.3999	21.4	5
Diisopropyl ether	4.1912	4.19	1
Ethyl tert-Butyl ether	4.32	4.32	1
tert-Amyl methyl ether	4.809	4.81	1

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6a **Sample Information** — Analyst use only. Do not change! COE list

Client Name	**URS Corporation**
Work Order Number	**124945**
Sample Number	**3**
QC Batch Number	**voa1042**
Client Sample ID	**041116SGA02SS**
Date Received	**11-18-04**
Date Prepared	**11-22-04**
Date Analyzed	**11-22-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blank: voa1042

Sample weight (g)	**2.539**	=	0.00254 kg	Calc. Factor	2.318435653
Extract volume (ml)		=	10 ml	Dry Weight	2.1566266 g
Dilution Factor		=	1	Units	ug/kg
% Solids	**84.94**	=	0.8494	Spike Factor	2.318435653
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	10.8217		108	**OK**		
x	Fluorobenzene	10.0975		101	**OK**		
x	Toluene-D8	9.4325		94.3	**OK**		
x	Ethylbenzene-d10	9.3728		93.7	**OK**		
x	Bromofluorobenzene	9.1568		91.6	**OK**		
x	Trifluorotoluene	20.7284		104	**OK**		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Dichlorodifluoromethane	0.0699			0.162	J	2.32
x	Carbon disulfide	0.4467			1.04	J	2.32
x	Acetone	13.4442		12.4852	31.2	B1	11.6
x	Methylene chloride	0.493			1.14	J	2.32
x	Benzene	0.1401		0.0794	0.325	J B1	2.32
x	Trichloroethene	0.0349			0.0809	J	2.32
x	Toluene	0.2457		0.2084	0.57	J B1	2.32
x	Ethylbenzene	0.0518		0.055	0.12	J B1	2.32
x	m,p-Xylene	0.1061		0.127	0.246	J B1	4.64
x	o-Xylene	0.0438		0.0363	0.102	J B1	2.32
x	Styrene	0.0307		0.0313	0.0712	J B1	2.32

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6a Sample Information — Analyst use only. Do not change: 8260

Client Name	URS Corporation
Work Order Number	124945
Sample Number	1
QC Batch Number	voa1050
Client Sample ID	041116SGA01GW
Date Received	11-18-04
Date Prepared	11-29-04
Date Analyzed	11-29-04
Sample matrix type	liquid
QC sample type	sample

Related Blank: voa1050

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	9.9548		99.5	OK	80	120
x	Fluorobenzene	10.48		105	OK	80	120
x	Toluene-D8	10.6611		107	OK	80	120
x	Ethylbenzene-d10	11.1146		111	OK	80	120
x	Bromofluorobenzene	10.0029		100	OK	80	120
x	Trifluorotoluene	5.5238	X9	55.2	LOW	80	120

x	Target Analytes	Quan Value	User Flag	Blank		Calculated Amount	Total Flags	pql
x	Bromomethane	0.273		0.3858		0.273	J B1	1
	Carbon disulfide	0.0619				0.0619	J	1
x	1,1-Dichloroethane	0.0555				0.0555	J	1
x	cis-1,2-Dichloroethene	3.7556				3.76		1
x	1,1,1-Trichloroethane	0.1036				0.104	J	1
x	Benzene	0.0579				0.0579	J	1
x	Trichloroethene	2.0298				2.03		1
	2-Chloroethyl vinyl ether	1.8703				1.87	J	5
x	Toluene	0.221				0.221	J	1
x	Tetrachloroethene	5.0822				5.08		1
x	Chlorobenzene	0.1342		0.1331		0.134	J B1	1
x	Ethylbenzene	0.0486				0.0486	J	1
x	m,p-Xylene	0.1319				0.132	J	2
x	o-Xylene	0.0735				0.0735	J	1
x	Bromoform	0.1497		0.1607		0.15	J B1	1
x	Isopropylbenzene	0.0197				0.0197	J	1
x	1,3,5-Trimethylbenzene	0.0297				0.0297	J	1
x	1,2,4-Trimethylbenzene	0.0485				0.0485	J	1
	1,3,5-Trichlorobenzene	0.0207		0.0441	ND			1
x	1,2,4-Trichlorobenzene	0.0361		0.0644	ND			1

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x	1,2,3-Trichlorobenzene	0.0423	0.0738	ND			1
x	Naphthalene	0.1178	0.209		0.118	J B1	1
	Cyclohexane	0.2344	0.2311		0.234	J B1	1

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6a **Sample Information** Analyst use only. Do not change 8260

Client Name	**URS Corporation**
Work Order Number	**124945**
Sample Number	**4**
QC Batch Number	**voa1050**
Client Sample ID	**Trip Blank #2718**
Date Received	**11-18-04**
Date Prepared	**11-29-04**
Date Analyzed	**11-29-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: voa1050

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	9.753		97.5	OK	80	120
x	Fluorobenzene	10.6774		107	OK	80	120
x	Toluene-D8	10.6837		107	OK	80	120
x	Ethylbenzene-d10	11.2027		112	OK	80	120
x	Bromofluorobenzene	10.2874		103	OK	80	120
x	Trifluorotoluene	9.8449		98.4	OK	80	120

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	pql	
x	Chloromethane	0.1732			0.173	J		1
x	Bromomethane	0.4204		0.3858	0.42	J B1		1
	Carbon disulfide	0.0692			0.0692	J		1
x	Methylene chloride	0.0866			0.0866	J		1
x	Bromoform	0.1603		0.1607	0.16	J B1		1
x	Naphthalene	0.0614		0.209	0.0614	J B1		1
	Cyclohexane	0.2055		0.2311	0.206	J B1		1

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6a Sample Information — Analyst use only. Do not change: 8260

Related Blank: noblank

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	voa1050
Client Sample ID	
Date Received	
Date Prepared	11-29-04
Date Analyzed	11-29-04
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	10.2195		102	OK	80	120
x	Fluorobenzene	10.7644		108	OK	80	120
x	Toluene-D8	10.5562		106	OK	80	120
x	Ethylbenzene-d10	11.3291		113	OK	80	120
x	Bromofluorobenzene	10.2275		102	OK	80	120
x	Trifluorotoluene	9.6626		96.6	OK	80	120

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	pql	
x	Bromomethane	0.3858			0.386	J		1
x	1,2-Dichloropropane	0.5427			0.543	J		1
x	Chlorobenzene	0.1331			0.133	J		1
x	Bromoform	0.1607			0.161	J		1
	1,3,5-Trichlorobenzene	0.0441			0.0441	J		1
x	1,2,4-Trichlorobenzene	0.0644			0.0644	J		1
x	1,2,3-Trichlorobenzene	0.0738			0.0738	J		1
x	Naphthalene	0.209			0.209	J		1
	Cyclohexane	0.2311			0.231	J		1

00380

STL Seattle

6a **Sample Information** — Analyst use only. Do not change: 8260

Related Blank: voa1050

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	voa1050
Client Sample ID	
Date Received	
Date Prepared	11-29-04
Date Analyzed	11-29-04
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	10.352		104	OK	80	120
x	Fluorobenzene	10.5515		106	OK	80	120
x	Toluene-D8	10.8749		109	OK	80	120
x	Ethylbenzene-d10	11.3479		113	OK	80	120
x	Bromofluorobenzene	10.6291		106	OK	80	120
x	Trifluorotoluene	9.9012		99	OK	80	120

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	pql
x	Dichlorodifluoromethane	5.5115			5.51		1
x	Chloromethane	5.0466			5.05		1
x	Vinyl chloride	5.5635			5.56		1
x	Bromomethane	9.6785		0.3858	9.68	B2	1
x	Chloroethane	5.3469			5.35		1
x	Trichlorofluoromethane	5.2427			5.24		1
x	1,1-Dichloroethene	4.8035			4.8		1
	1,1,2-Trichlorotrifluoroethane	4.8527			4.85		1
	Acrolein	5.1594			5.16		5
	Carbon disulfide	22.0823			22.1		1
	Acetone	10.3608			10.4		5
x	Methylene chloride	4.8344			4.83		1
	Methyl tert-butyl ether	5.5146			5.51		1
x	trans-1,2-Dichloroethene	4.8801			4.88		1
	Acrylonitrile	23.5851			23.6		5
	Hexane	5.0262			5.03		1
x	1,1-Dichloroethane	4.9613			4.96		1
	Vinyl acetate	18.5956			18.6		5
x	2,2-Dichloropropane	4.9707			4.97		1
	2-Butanone	16.0265			16		5

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x	cis-1,2-Dichloroethene	4.8874		4.89		1
	Tetrahydrofuran	24.4102		24.4		5
x	Bromochloromethane	5.1868		5.19		1
x	Chloroform	4.9485		4.95		1
x	1,1,1-Trichloroethane	5.0422		5.04		1
x	Carbon Tetrachloride	5.2747		5.27		1
x	1,1-Dichloropropene	4.5749		4.57		1
x	Benzene	5.0789		5.08		1
x	1,2-Dichloroethane	5.0095		5.01		1
x	Trichloroethene	5.0218		5.02		1
x	1,2-Dichloropropane	4.969	0.5427	4.97	B1	1
	1,4-Dioxane	116.0359		116		25
x	Dibromomethane	4.7359		4.74		1
x	Bromodichloromethane	5.0143		5.01		1
	2-Chloroethyl vinyl ether	39.9606		40		5
x	cis-1,3-Dichloropropene	5.1807		5.18		1
	4-Methyl-2-pentanone	23.3329		23.3		5
x	Toluene	4.9104		4.91		1
x	trans-1,3-Dichloropropene	4.7116		4.71		1
x	1,1,2-Trichloroethane	4.8117		4.81		1
x	Tetrachloroethene	4.868		4.87		1
x	1,3-Dichloropropane	4.8169		4.82		1
	2-Hexanone	15.8942		15.9		5
x	Dibromochloromethane	5.0791		5.08		1
x	1,2-Dibromoethane	5.0624		5.06		1
x	Chlorobenzene	4.9323	0.1331	4.93	B2	1
x	Ethylbenzene	5.0115		5.01		1
x	1,1,1,2-Tetrachloroethane	5.2051		5.21		1
x	m,p-Xylene	9.9243		9.92		2
x	o-Xylene	4.9714		4.97		1
x	Styrene	4.9487		4.95		1
x	Bromoform	5.0973	0.1607	5.1	B2	1
x	Isopropylbenzene	4.7442		4.74		1
x	Bromobenzene	4.9446		4.94		1
x	n-Propylbenzene	5.0231		5.02		1
x	1,1,2,2-Tetrachloroethane	4.9089		4.91		1
x	1,2,3-Trichloropropane	4.8844		4.88		1
x	2-Chlorotoluene	5.0836		5.08		1
x	1,3,5-Trimethylbenzene	5.0074		5.01		1
x	4-Chlorotoluene	4.9709		4.97		1
x	t-Butylbenzene	4.9939		4.99		1
x	1,2,4-Trimethylbenzene	5.2114		5.21		1
x	sec-Butylbenzene	5.2093		5.21		1
x	1,3-Dichlorobenzene	4.9456		4.95		1
x	4-Isopropyltoluene	5.0138		5.01		1
x	1,4-Dichlorobenzene	4.8115		4.81		1
x	n-Butylbenzene	5.0933		5.09		1
x	1,2-Dichlorobenzene	4.7718		4.77		1
x	1,2-Dibromo-3-chloropropar	5.048		5.05		1
	1,3,5-Trichlorobenzene	5.3398	0.0441	5.34	B2	1
x	1,2,4-Trichlorobenzene	5.1712	0.0644	5.17	B2	1

x	1,2,3-Trichlorobenzene	4.9449	0.0738	4.94	B2	1
x	Hexachlorobutadiene	5.2857		5.29		1
x	Naphthalene	5.3703	0.209	5.37	B2	1
	Cyclohexane	4.6264	0.2311	4.63	B2	1
	Ethyl Ether	25.1716		25.2		5
	Ethyl Acetate	24.179		24.2		5
	iso-Butyl Alcohol	463.2727		463		100
	n-Butyl Alcohol	455.4327		455		100
	Methylcyclohexane	4.7635		4.76		1
	tert-Butyl alcohol	26.9999		27		5
	Diisopropyl ether	5.3411		5.34		1
	Ethyl tert-Butyl ether	5.1636		5.16		1
	tert-Amyl methyl ether	5.4377		5.44		1

000383

STL Seattle

6a **Sample Information** — Analyst use only. Do not change: 8260

Related Blank: voa1050

Client Name	
Work Order Number	
Sample Number	
QC Batch Number	voa1050
Client Sample ID	
Date Received	
Date Prepared	11-29-04
Date Analyzed	11-29-04
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	9.9111		99.1	OK	80	120
x	Fluorobenzene	10.4466		104	OK	80	120
x	Toluene-D8	10.7968		108	OK	80	120
x	Ethylbenzene-d10	11.3171		113	OK	80	120
x	Bromofluorobenzene	10.662		107	OK	80	120
x	Trifluorotoluene	10.054		101	OK	80	120

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	pql
x	Dichlorodifluoromethane	5.5186			5.52		1
x	Chloromethane	4.7243			4.72		1
x	Vinyl chloride	5.4117			5.41		1
x	Bromomethane	8.2411		0.3858	8.24	B2	1
x	Chloroethane	5.1545			5.15		1
x	Trichlorofluoromethane	5.0842			5.08		1
x	1,1-Dichloroethene	4.7023			4.7		1
	1,1,2-Trichlorotrifluoroethane	4.767			4.77		1
	Acrolein	5.2615			5.26		5
	Carbon disulfide	21.6373			21.6		1
	Acetone	10.511			10.5		5
x	Methylene chloride	4.8029			4.8		1
	Methyl tert-butyl ether	5.6586			5.66		1
x	trans-1,2-Dichloroethene	5.0552			5.06		1
	Acrylonitrile	25.2719			25.3		5
	Hexane	5.0001			5		1
x	1,1-Dichloroethane	4.9369			4.94		1
	Vinyl acetate	20.0345			20		5
x	2,2-Dichloropropane	4.7688			4.77		1
	2-Butanone	16.3901			16.4		5

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x	cis-1,2-Dichloroethene	4.8702		4.87		1
	Tetrahydrofuran	26.5204		26.5		5
x	Bromochloromethane	5.2852		5.29		1
x	Chloroform	4.8115		4.81		1
x	1,1,1-Trichloroethane	5.0678		5.07		1
x	Carbon Tetrachloride	5.2362		5.24		1
x	1,1-Dichloropropene	4.8159		4.82		1
x	Benzene	5.0164		5.02		1
x	1,2-Dichloroethane	5.0346		5.03		1
x	Trichloroethene	4.9514		4.95		1
x	1,2-Dichloropropane	4.8946	0.5427	4.89	B1	1
	1,4-Dioxane	129.4059		129		25
x	Dibromomethane	5.1014		5.1		1
x	Bromodichloromethane	5.0088		5.01		1
	2-Chloroethyl vinyl ether	38.7563		38.8		5
x	cis-1,3-Dichloropropene	5.1121		5.11		1
	4-Methyl-2-pentanone	25.578		25.6		5
x	Toluene	4.9167		4.92		1
x	trans-1,3-Dichloropropene	4.7132		4.71		1
x	1,1,2-Trichloroethane	4.9309		4.93		1
x	Tetrachloroethene	4.9135		4.91		1
x	1,3-Dichloropropane	5.0647		5.06		1
	2-Hexanone	18.0288		18		5
x	Dibromochloromethane	5.1201		5.12		1
x	1,2-Dibromoethane	5.1399		5.14		1
x	Chlorobenzene	5.0072	0.1331	5.01	B2	1
x	Ethylbenzene	5.1281		5.13		1
x	1,1,1,2-Tetrachloroethane	5.1802		5.18		1
x	m,p-Xylene	10.1273		10.1		2
x	o-Xylene	4.9471		4.95		1
x	Styrene	4.9943		4.99		1
x	Bromoform	5.4721	0.1607	5.47	B2	1
x	Isopropylbenzene	4.7958		4.8		1
x	Bromobenzene	5.0721		5.07		1
x	n-Propylbenzene	5.1353		5.14		1
x	1,1,2,2-Tetrachloroethane	5.3234		5.32		1
x	1,2,3-Trichloropropane	5.4148		5.41		1
x	2-Chlorotoluene	4.8958		4.9		1
x	1,3,5-Trimethylbenzene	5.086		5.09		1
x	4-Chlorotoluene	5.1157		5.12		1
x	t-Butylbenzene	5.1095		5.11		1
x	1,2,4-Trimethylbenzene	5.3633		5.36		1
x	sec-Butylbenzene	5.3592		5.36		1
x	1,3-Dichlorobenzene	5.0585		5.06		1
x	4-Isopropyltoluene	4.9299		4.93		1
x	1,4-Dichlorobenzene	4.9228		4.92		1
x	n-Butylbenzene	5.3616		5.36		1
x	1,2-Dichlorobenzene	4.9578		4.96		1
x	1,2-Dibromo-3-chloropropai	5.6696		5.67		1
	1,3,5-Trichlorobenzene	5.5519	0.0441	5.55	B2	1
x	1,2,4-Trichlorobenzene	5.3311	0.0644	5.33	B2	1

00385

x	1,2,3-Trichlorobenzene	5.3653	0.0738	5.37	B2	1
x	Hexachlorobutadiene	5.1148		5.11		1
x	Naphthalene	5.9454	0.209	5.95	B2	1
	Cyclohexane	4.6372	0.2311	4.64	B2	1
	Ethyl Ether	25.7631		25.8		5
	Ethyl Acetate	27.0939		27.1		5
	iso-Butyl Alcohol	528.1235		528		100
	n-Butyl Alcohol	520.7358		521		100
	Methylcyclohexane	4.8957		4.9		1
	tert-Butyl alcohol	26.7538		26.8		5
	Diisopropyl ether	5.2761		5.28		1
	Ethyl tert-Butyl ether	5.2207		5.22		1
	tert-Amyl methyl ether	5.4284		5.43		1

00386

SEMIVOLATILE DATA PACKAGE

00387

SAMPLE DATA

00388

Quantitation Report (QT Reviewed)

Data File : U:\DATA\112304\B03529.D Vial: 0
Acq On : 23 Nov 2004 13:18 Operator: CLZ
Sample : 124945-1 SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 12:14:15 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 24 12:14:12 2004
Response via : Initial Calibration
DataAcq Meth :

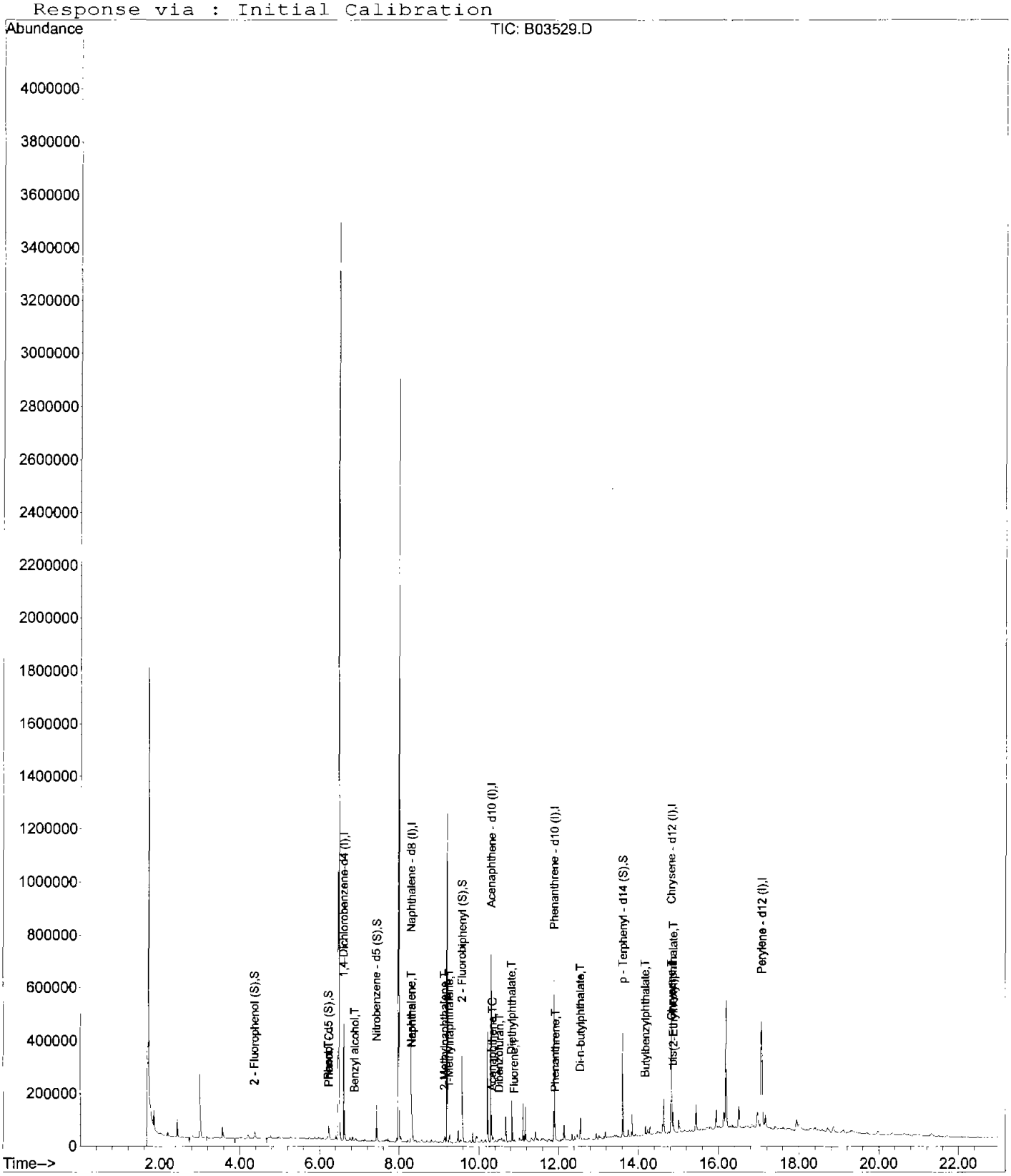
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.60	152	60027	1000.00	ug/L	-0.01
20) Naphthalene - d8 (I)	8.29	136	262350	1000.00	ug/L	0.00
36) Acenaphthene - d10 (I)	10.30	162	151613	1000.00	ug/L	0.00
60) Phenanthrene - d10 (I)	11.88	188	253294	1000.00	ug/L	-0.01
77) Chrysene - d12 (I)	14.82	240	404866+	1000.00	ul/l	0.00
83) Perylene - d12 (I)	17.07	264	447931+	1000.00	ug/L	-0.01
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.37	112	11162	176.03	ug/L	0.02
6) Phenol - d5 (S)	6.22	99	12890	172.26	ug/L	0.00
21) Nitrobenzene - d5 (S)	7.42	82	51490	712.96	ug/L	-0.03
41) 2 - Fluorobiphenyl (S)	9.57	172	91676	785.32	ug/L	0.00
63) 2,4,6 - Tribromophenol (S)	11.16	330	18958	392.50	ug/L	0.00
76) p - Terphenyl - d14 (S)	13.60	244	183319	847.97	ug/L	-0.02
Target Compounds						Qvalue
7) Phenol	6.24	94	1989	25.15	ug/L	46
13) Benzyl alcohol	6.88	79	2419	26.75	ug/L	89
30) Naphthalene	8.31	128	20571	101.22	ug/L	99
34) 2-Methylnaphthalene	9.13	141	5803	62.11	ug/L	98
35) 1-Methylnaphthalene	9.25	141	7559	78.49	ul/l	32
49) Acenaphthene	10.33	153	1964	15.74	ug/L	100
52) Dibenzofuran	10.51	168	2781	21.55	ug/L	77
56) Diethylphthalate	10.82	149	3405	33.67	ug/L	87
57) Fluorene	10.88	166	2585	19.14	ug/L	65
68) Phenanthrene	11.91	178	3361	18.05	ug/L	89
72) Di-n-butylphthalate	12.55	149	34545	163.83	ug/L	94
78) Butylbenzylphthalate	14.17	149	12932	109.12	ug/L	89
81) Chrysene	14.84	228	767	3.22	ug/L	1
82) bis(2-Ethylhexyl)phthalate	14.87	149	32970	172.26	ug/L	96

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

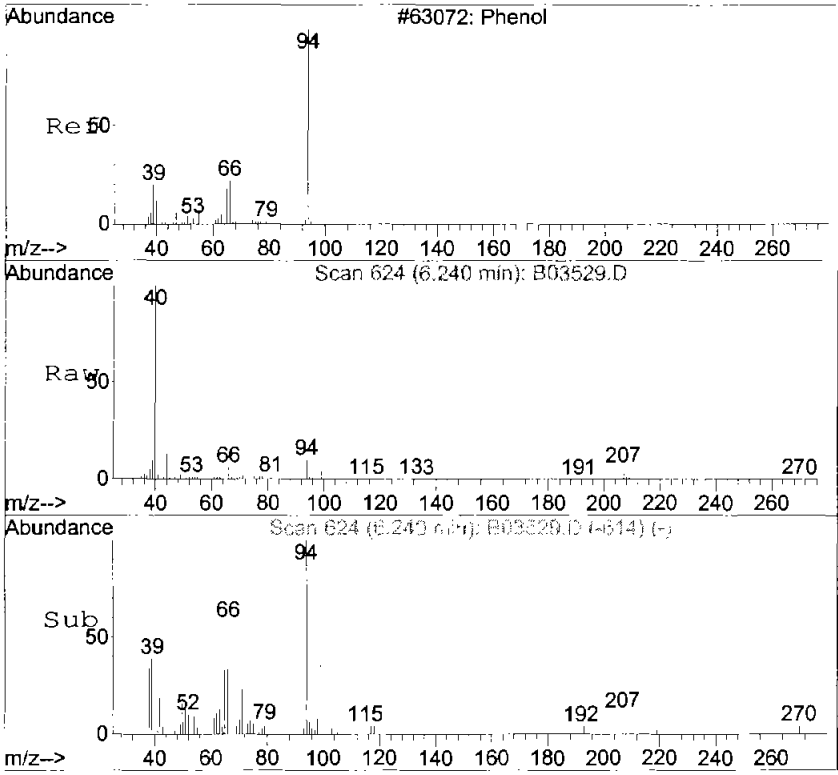
30984
000389

Data File : U:\DATA\112304\B03529.D Vial: 0
Acq On : 23 Nov 2004 13:18 Operator: CLZ
Sample : 124945-1 SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 12:14 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 24 12:14:12 2004
Response via : Initial Calibration



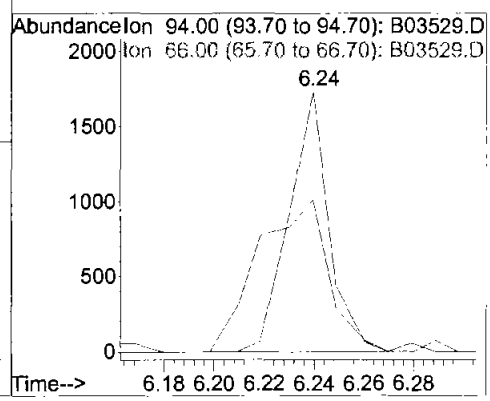
00390

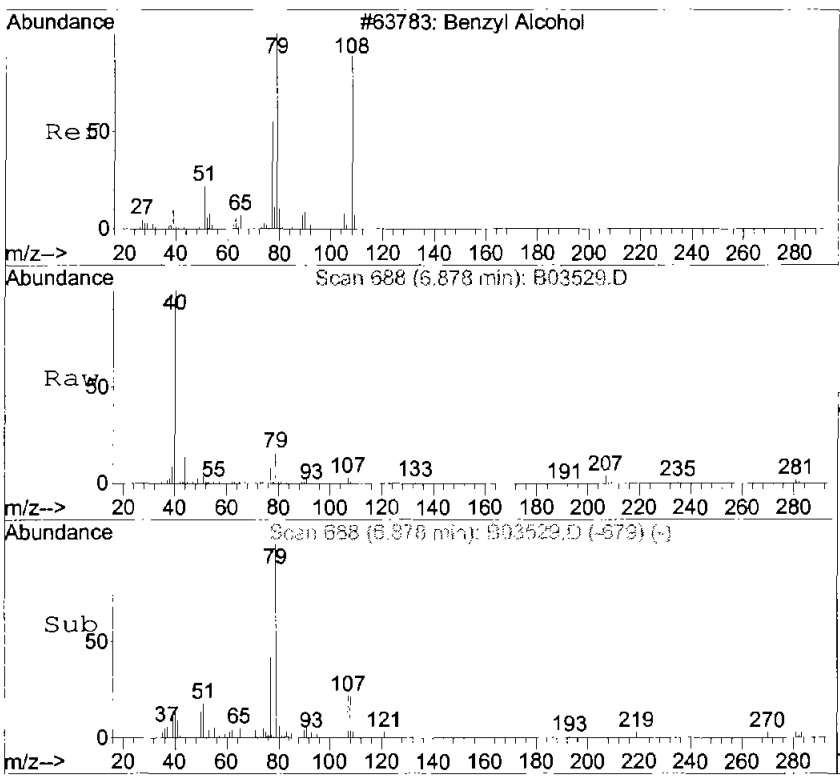


#7
Phenol
Concen: 25.15 ug/L
RT: 6.24 min Scan# 624
Delta R.T. 0.00 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion: 94 Resp: 1989

Ion	Ratio	Lower	Upper
94	100		
66	100.5	0.0	119.6

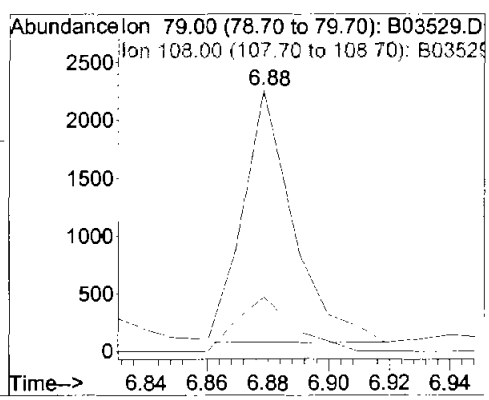


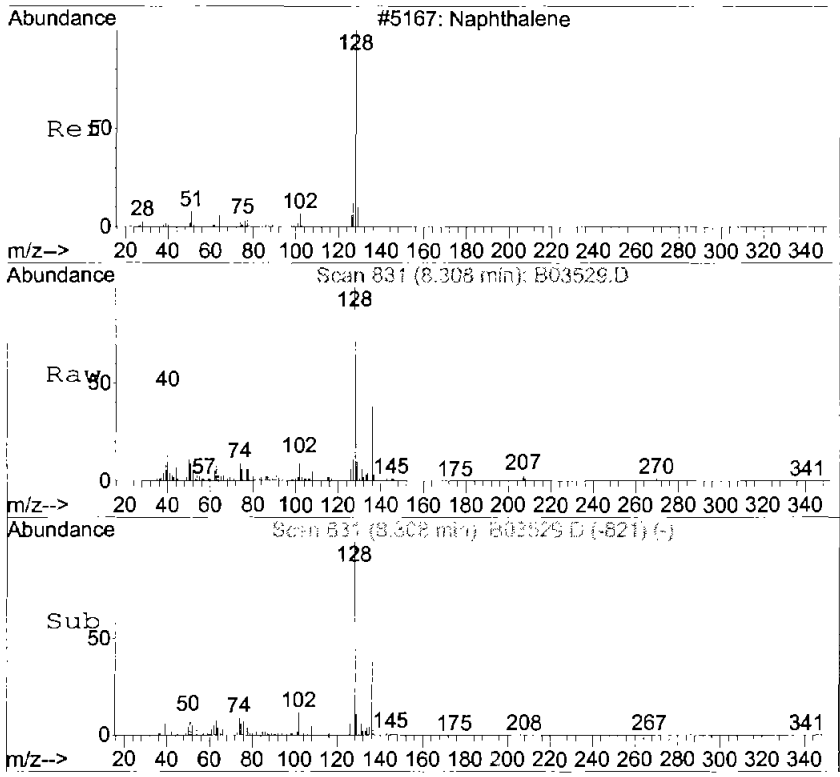


#13
Benzyl alcohol
Concen: 26.75 ug/L
RT: 6.88 min Scan# 688
Delta R.T. -0.01 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion: 79 Resp: 2419

Ion	Ratio	Lower	Upper
79	100		
108	25.3	0.0	71.6

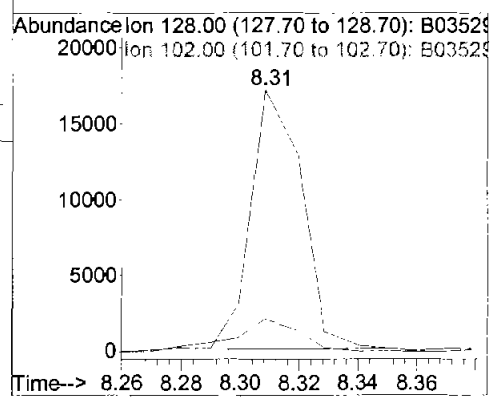


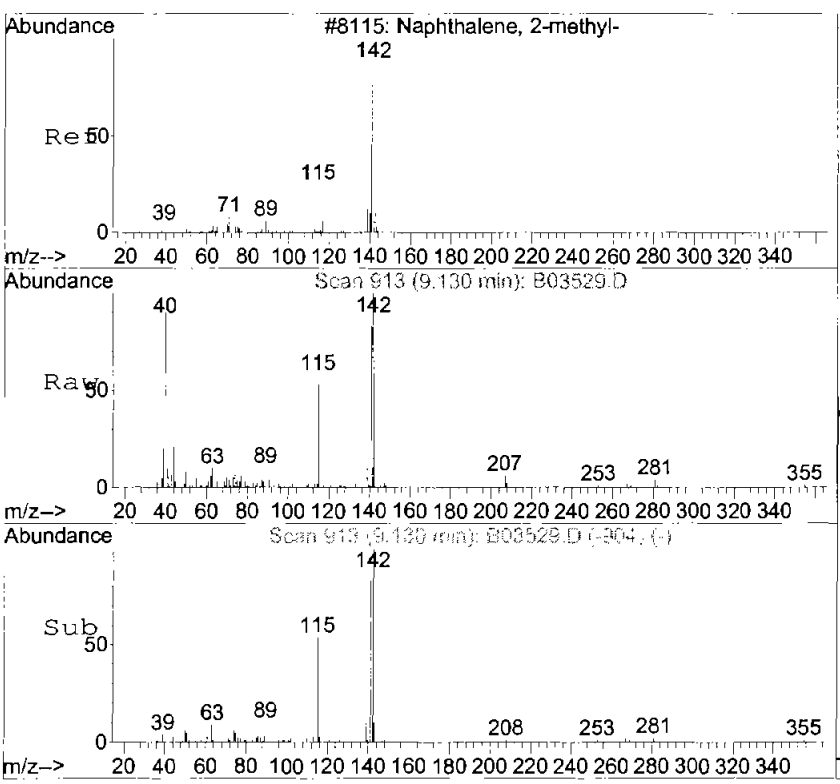


#30
Naphthalene
Concen: 101.22 ug/L
RT: 8.31 min Scan# 831
Delta R.T. -0.00 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:128 Resp: 20571

Ion	Ratio	Lower	Upper
128	100		
102	15.9	0.0	55.7

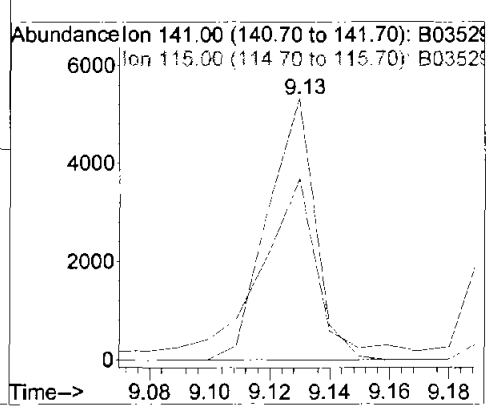


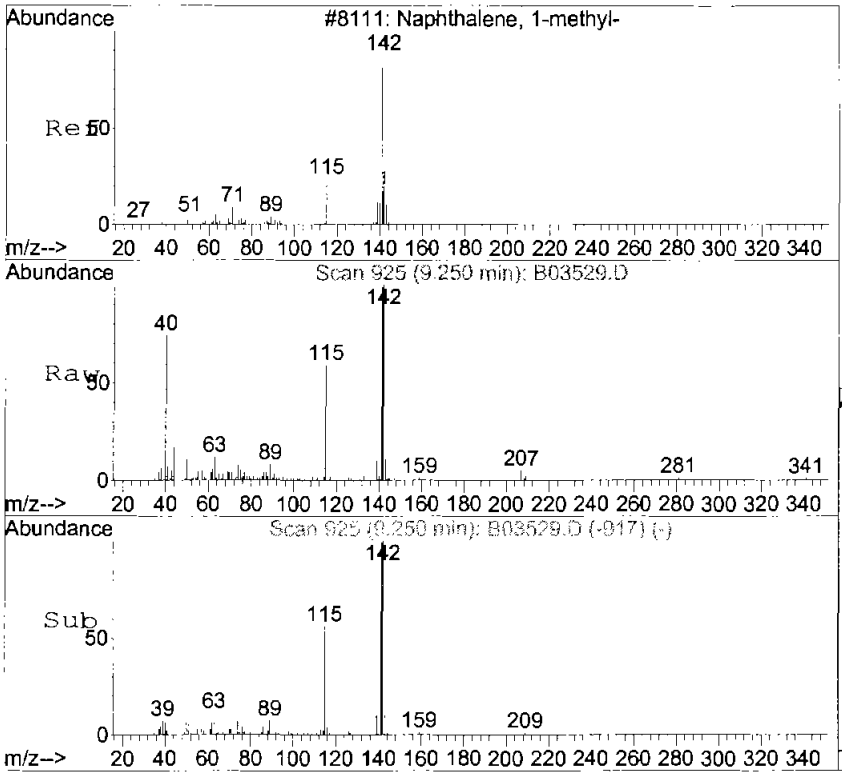


#34
2-Methylnaphthalene
Concen: 62.11 ug/L
RT: 9.13 min Scan# 913
Delta R.T. -0.01 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:141 Resp: 5803

Ion	Ratio	Lower	Upper
141	100		
115	82.0	40.0	120.0

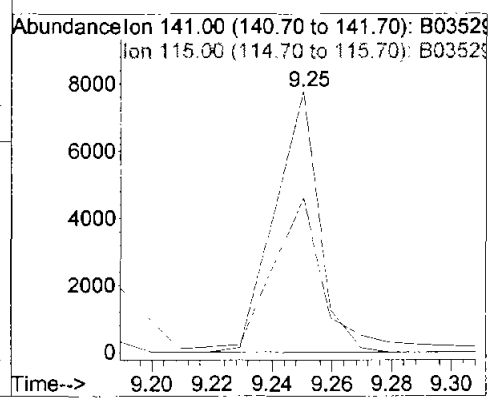


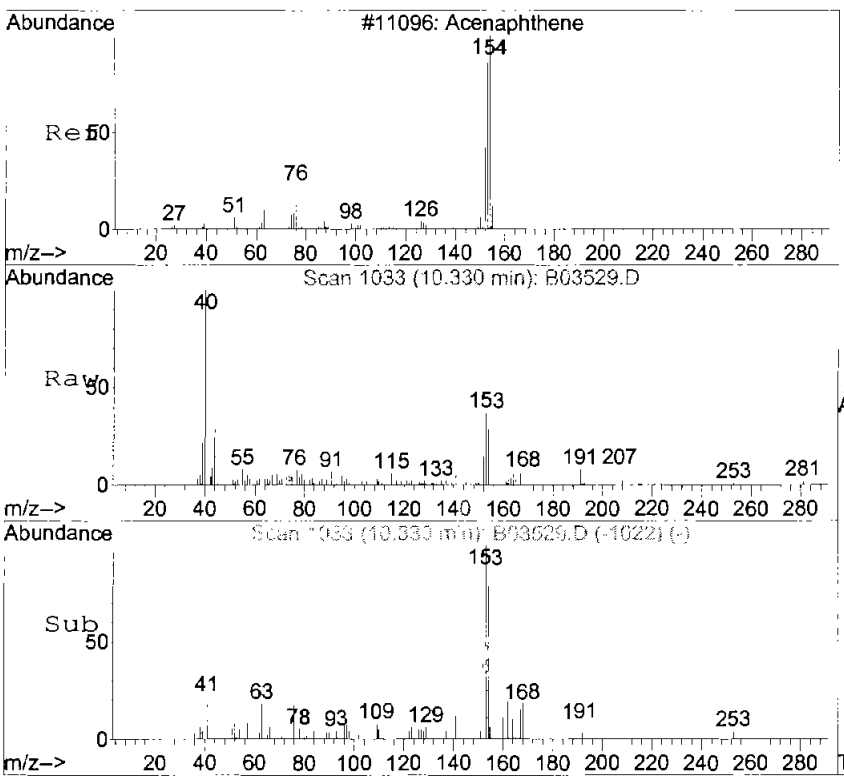


#35
1-Methylnaphthalene
Concen: 78.49 ul/1
RT: 9.25 min Scan# 925
Delta R.T. -0.01 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:141 Resp: 7559

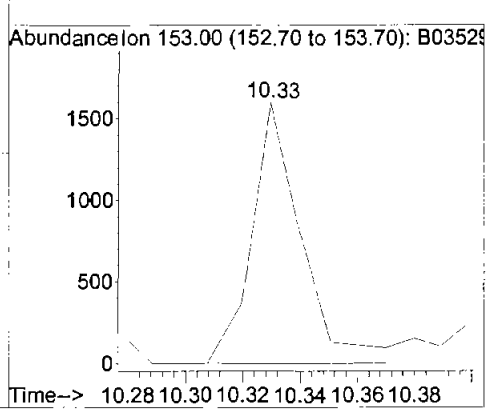
Ion	Ratio	Lower	Upper
141	100		
115	67.0	0.0	70.0

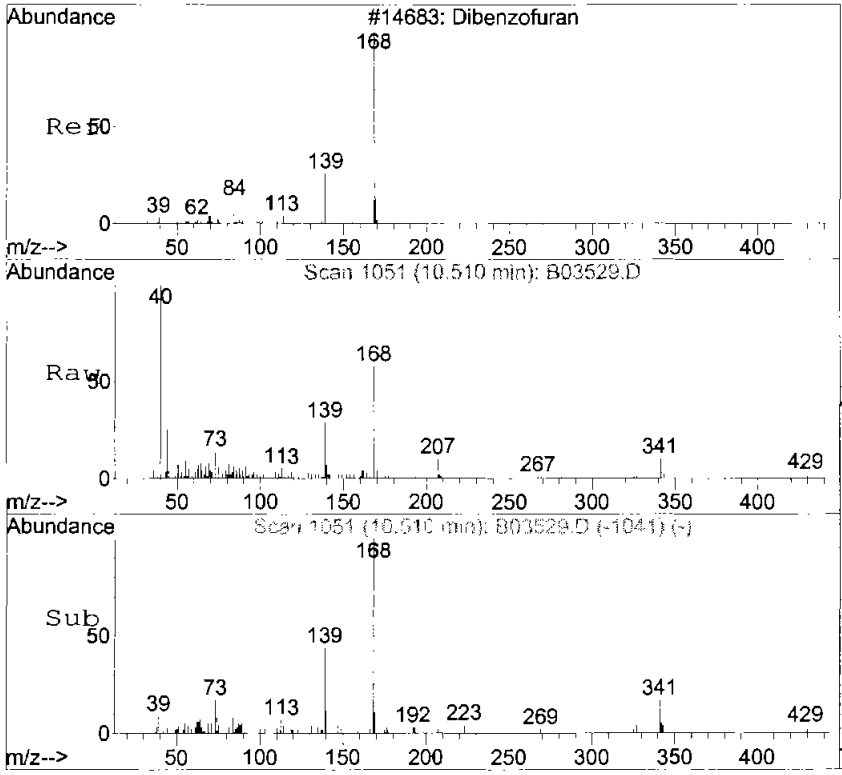




#49
Acenaphthene
Concen: 15.74 ug/L
RT: 10.33 min Scan# 1033
Delta R.T. 0.01 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:153 Resp: 1964

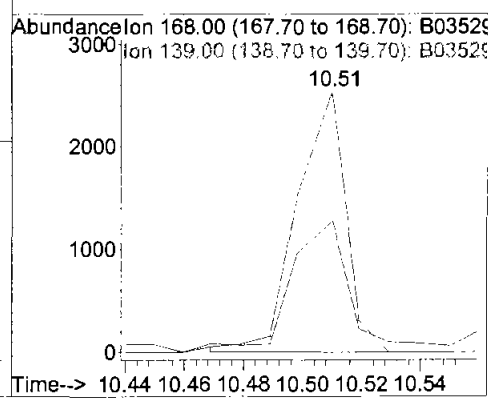


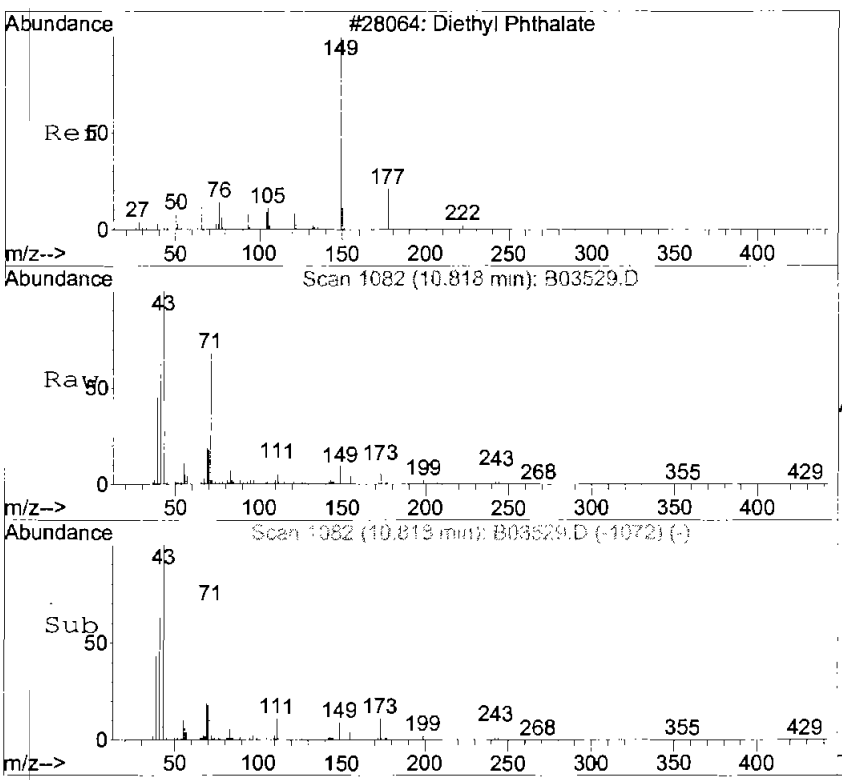


#52
Dibenzofuran
Concen: 21.55 ug/L
RT: 10.51 min Scan# 1051
Delta R.T. -0.00 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:168 Resp: 2781

Ion	Ratio	Lower	Upper
168	100		
139	53.8	33.0	113.0

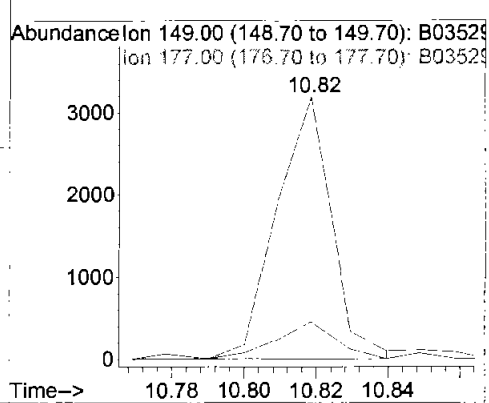


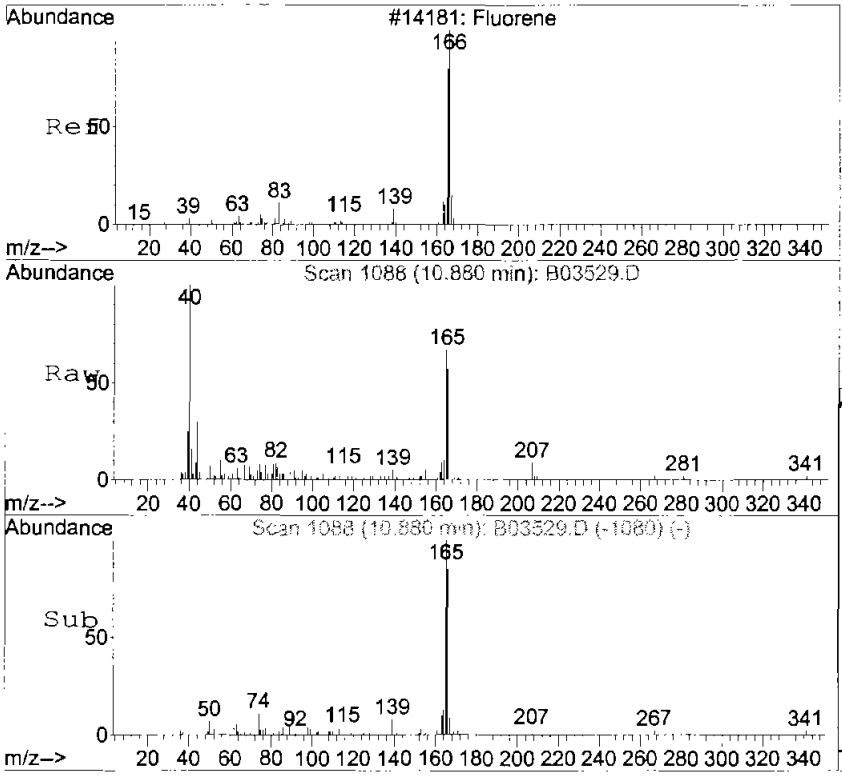


#56
Diethylphthalate
Concen: 33.67 ug/L
RT: 10.82 min Scan# 1082
Delta R.T. 0.00 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:149 Resp: 3405

Ion	Ratio	Lower	Upper
149	100		
177	15.3	0.0	61.2

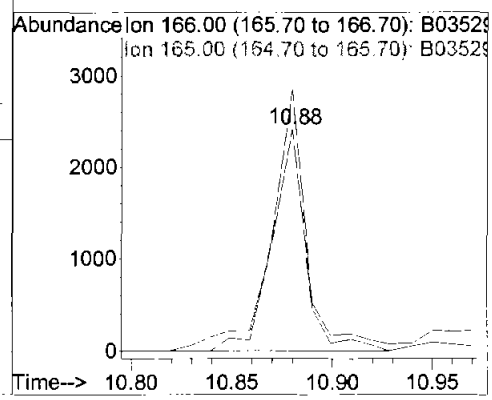


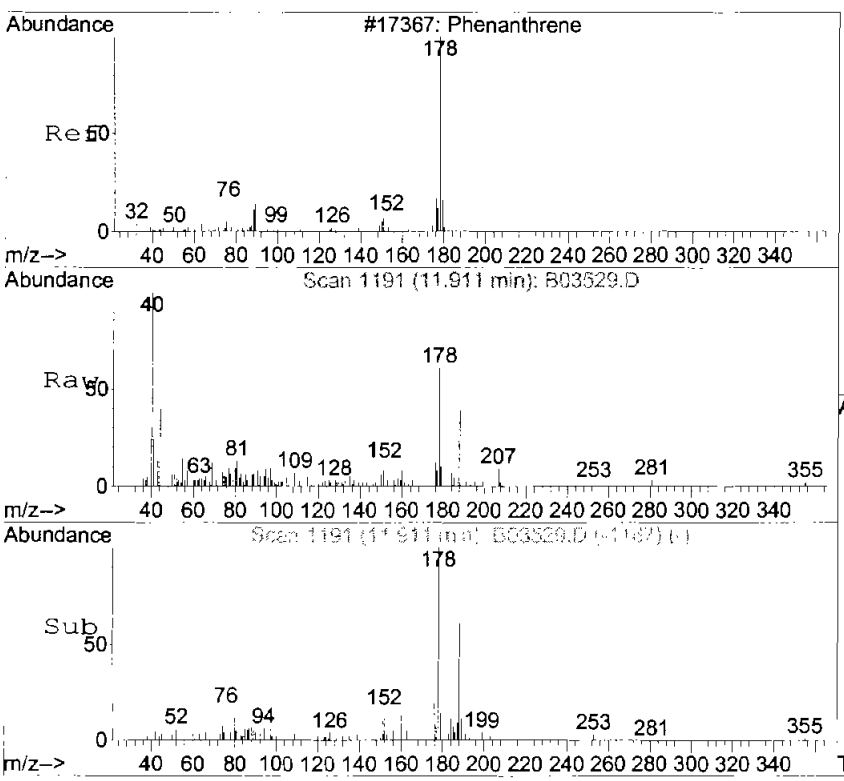


#57
Fluorene
Concen: 19.14 ug/L
RT: 10.88 min Scan# 1088
Delta R.T. -0.02 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:166 Resp: 2585

Ion	Ratio	Lower	Upper
166	100		
165	142.1	66.2	146.2

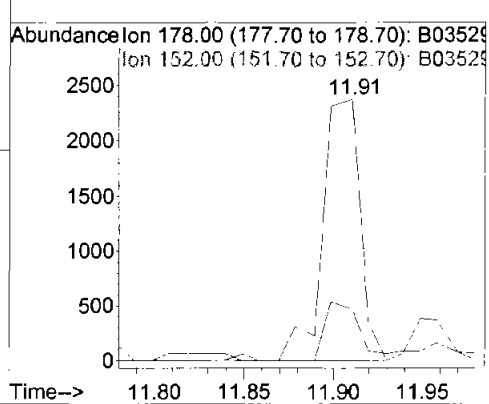


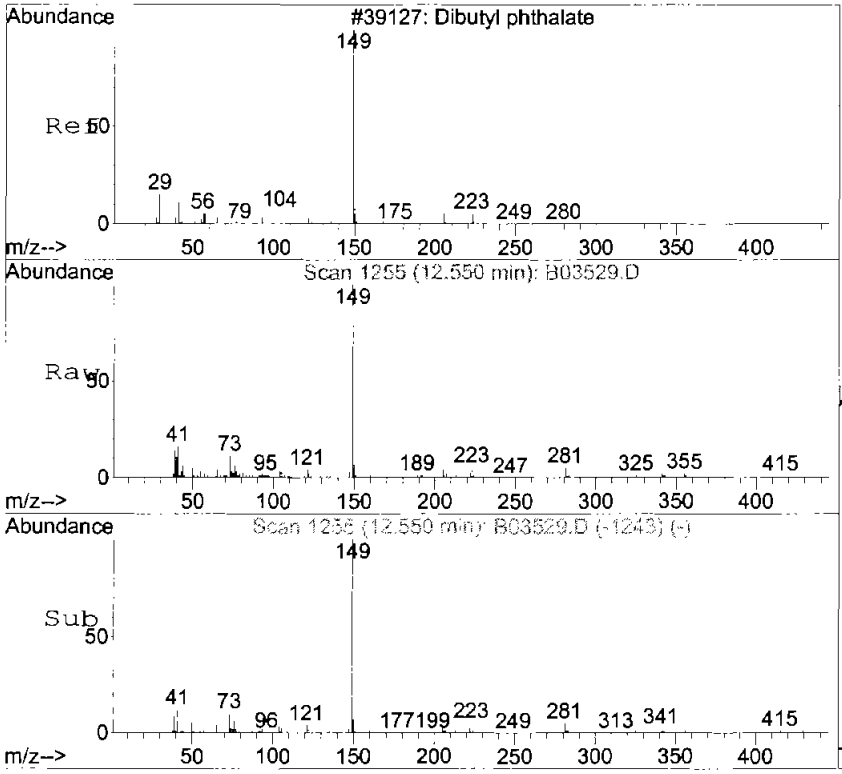


#68
Phenanthrene
Concen: 18.05 ug/L
RT: 11.91 min Scan# 1191
Delta R.T. -0.01 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:178 Resp: 3361

Ion	Ratio	Lower	Upper
178	100		
152	21.0	0.0	56.4

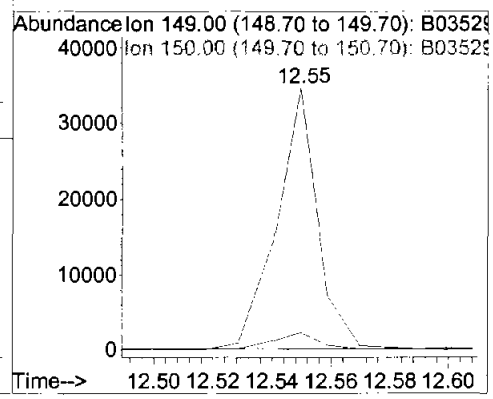


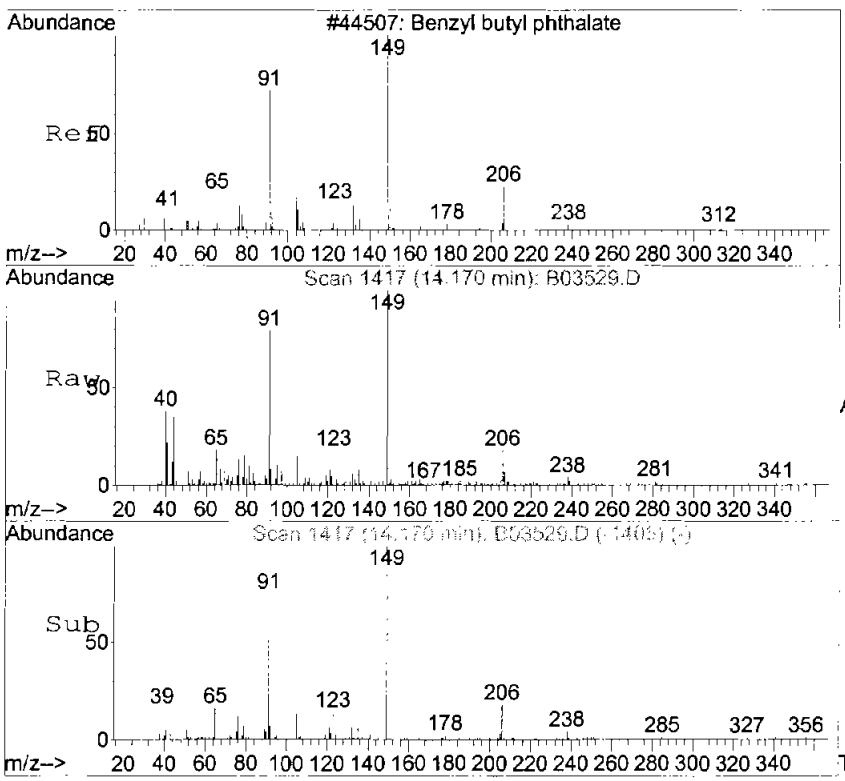


#72
Di-n-butylphthalate
Concen: 163.83 ug/L
RT: 12.55 min Scan# 1255
Delta R.T. 0.02 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:149 Resp: 34545

Ion	Ratio	Lower	Upper
149	100		
150	7.8	0.0	50.0

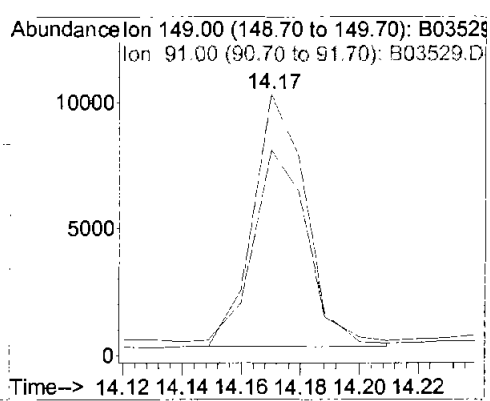


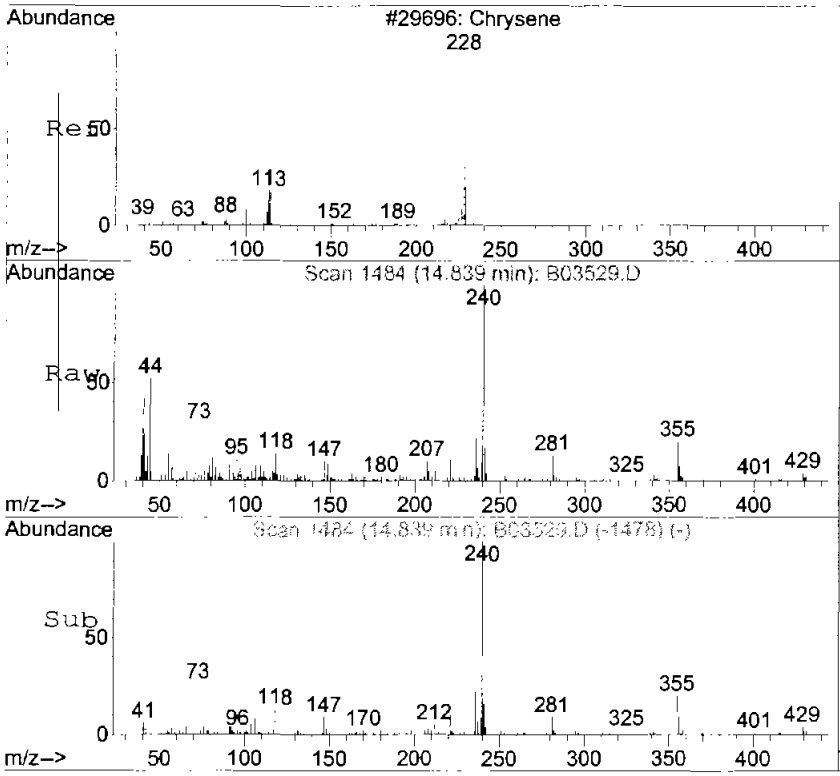


#78
Butylbenzylphthalate
Concen: 109.12 ug/L
RT: 14.17 min Scan# 1417
Delta R.T. 0.01 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:149 Resp: 12932

Ion	Ratio	Lower	Upper
149	100		
91	75.1	45.0	125.0

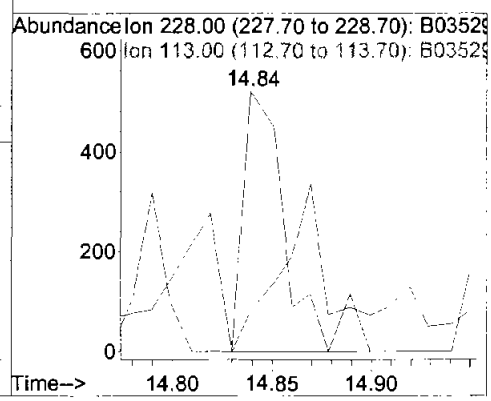


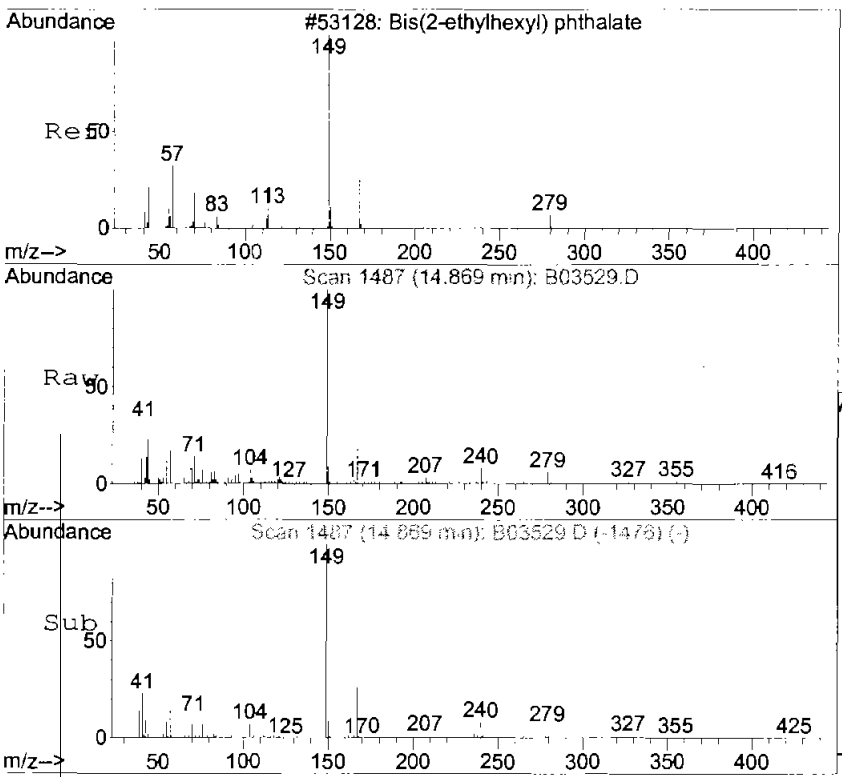


#81
Chrysene
Concen: 3.22 ug/L
RT: 14.84 min Scan# 1484
Delta R.T. -0.02 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:228 Resp: 767

Ion	Ratio	Lower	Upper
228	100		
113	39.9	0.0	42.1

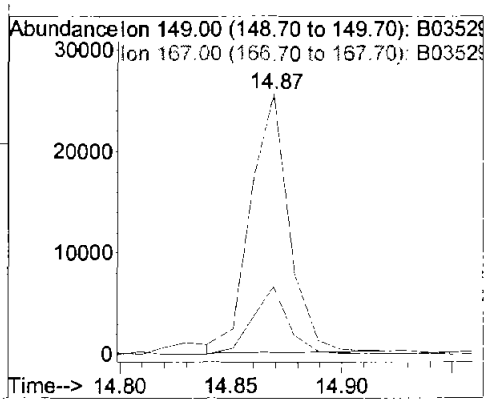




#82
bis(2-Ethylhexyl)phthalate
Concen: 172.26 ug/L
RT: 14.87 min Scan# 1487
Delta R.T. 0.01 min
Lab File: B03529.D
Acq: 23 Nov 2004 13:18

Tgt Ion:149 Resp: 32970

Ion	Ratio	Lower	Upper
149	100		
167	24.6	0.0	62.6



Quantitation Report (QT Reviewed)

Data File : W:\112404\A08285.D Vial: 0
Acq On : 24 Nov 2004 22:27 Operator: CLZ
Sample : 124945-3 SS1281 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:49:57 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:13:00 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.03	152	63282	1000.00	ug/L		0.02
22) Naphthalene - d8 (I)	7.56	136	238387	1000.00	ug/L		0.02
38) Acenaphthene - d10 (I)	9.53	162	168217	1000.00	ug/L		0.02
62) Phenanthrene - d10 (I)	11.13	188	301346	1000.00	ug/L		0.03
79) Chrysene - d12 (I)	14.17	240	503981	1000.00	ul/l		0.03
85) Perylene - d12 (I)	16.88	264	513691	1000.00	ug/L		0.04
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.46	112	15434	305.62	ug/L		0.02
7) Phenol - d5 (S)	5.69	99	20059	365.49	ug/L		0.02
23) Nitrobenzene - d5 (S)	6.74	82	16388	271.37	ug/L		0.05
43) 2 - Fluorobiphenyl (S)	8.79	172	33959	265.49	ug/L		0.04
65) 2,4,6 - Tribromophenol (S)	10.39	330	13759	386.57	ug/L		0.01
78) p - Terphenyl - d14 (S)	12.83	244	94716	440.88	ug/L		0.02
Target Compounds							Qvalue
74) Di-n-butylphthalate	11.76	149	3375	8.63	ug/L		97
80) Butylbenzylphthalate	13.36	149	5016	19.21	ug/L	#	1
84) bis(2-Ethylhexyl)phthalate	14.16	149	43849	95.35	ug/L		80

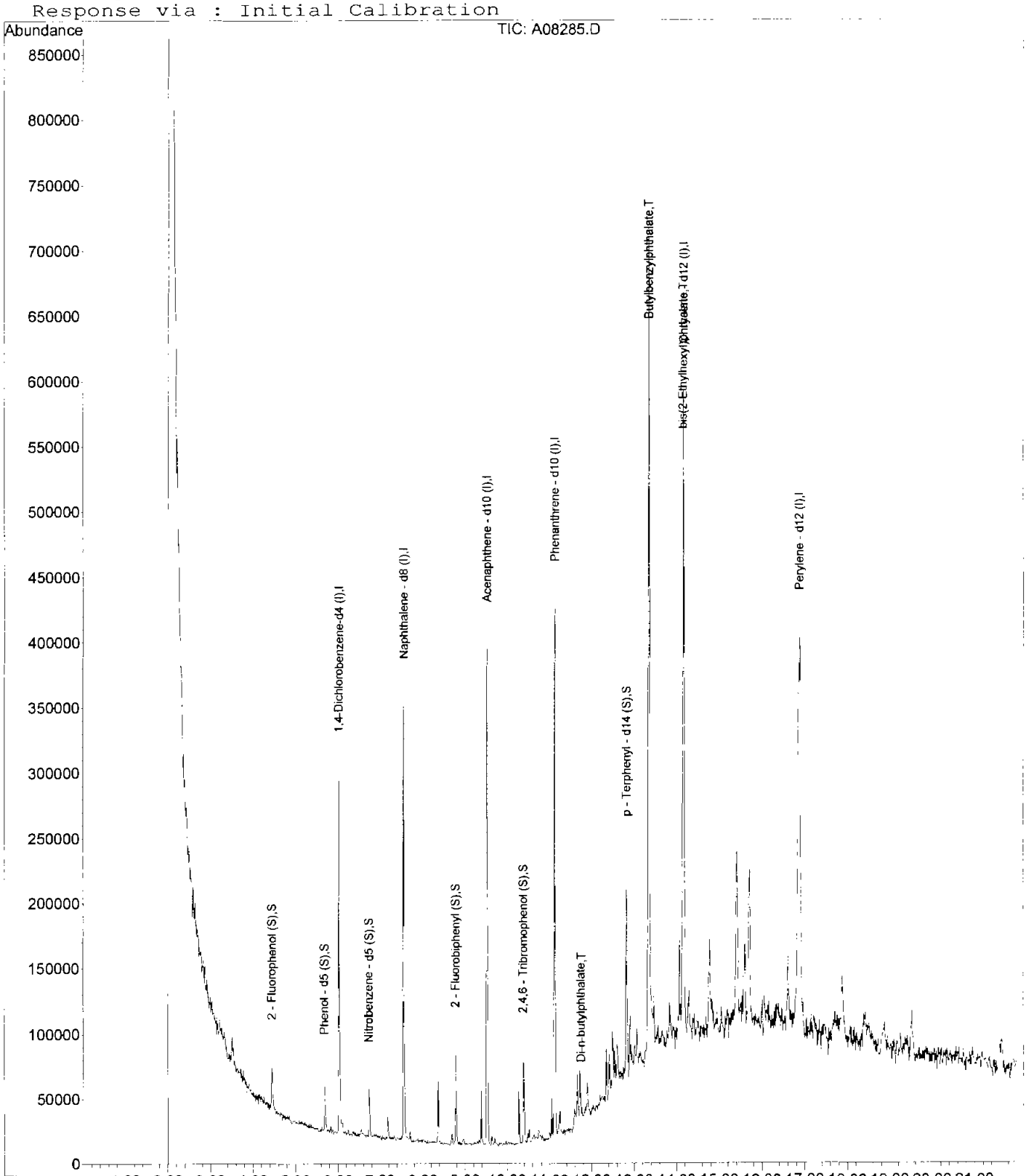
(#) = qualifier out of range (m) = manual integration (+) = signals summed

31002
00398

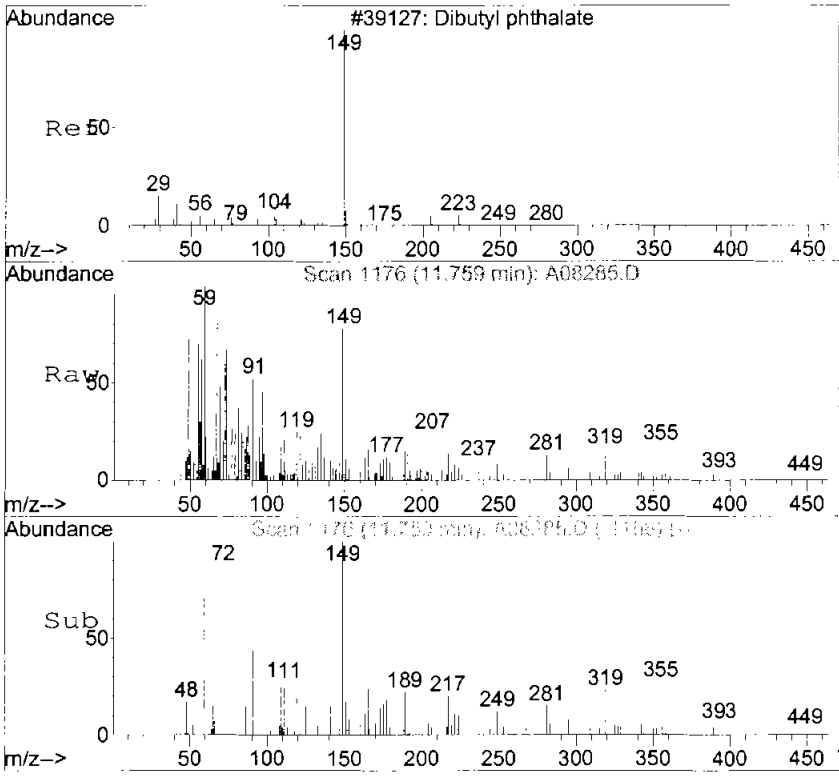
Data File : W:\112404\A08285.D
Acq On : 24 Nov 2004 22:27
Sample : 124945-3 SS1281 &2.0 SOIL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:51 2004

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 : Tue Nov 30 08:13:00 2004
Response via : Initial Calibration



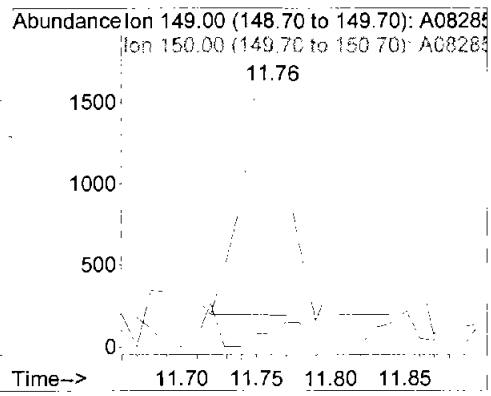
00299

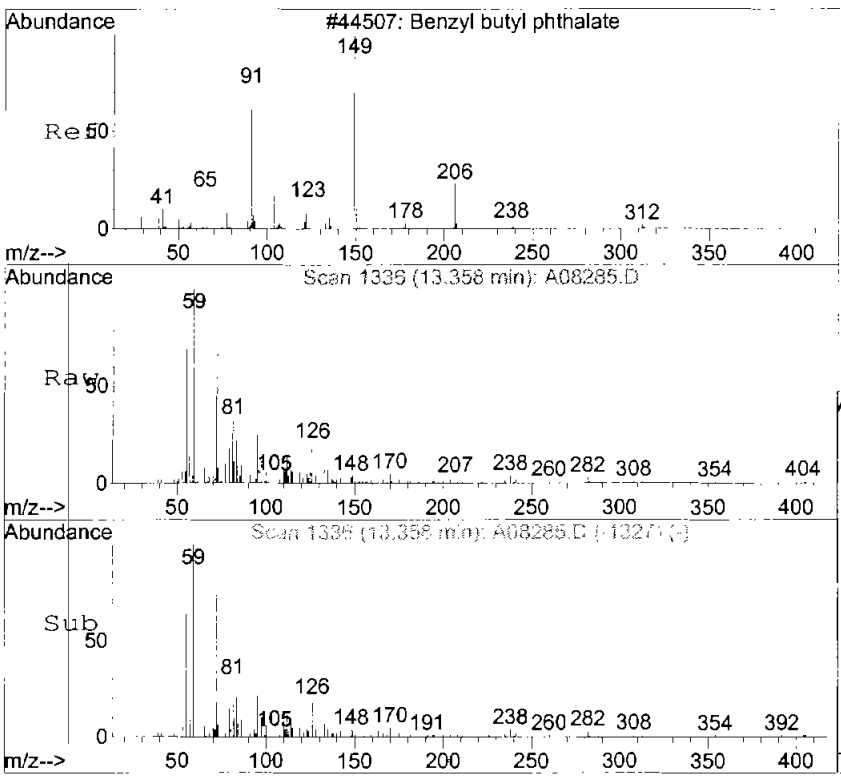


#74
Di-n-butylphthalate
Concen: 8.63 ug/L
RT: 11.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: A08285.D
Acq: 24 Nov 2004 22:27

Tgt Ion:149 Resp: 3375

Ion	Ratio	Lower	Upper
149	100		
150	9.1	0.0	47.9

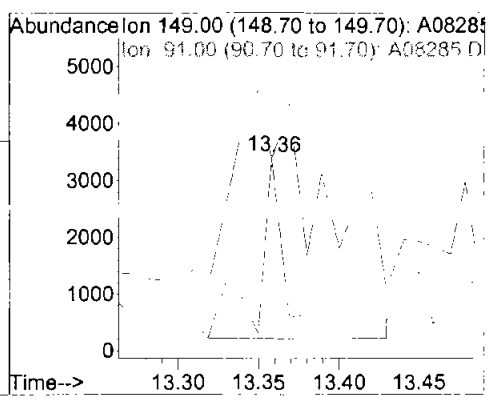


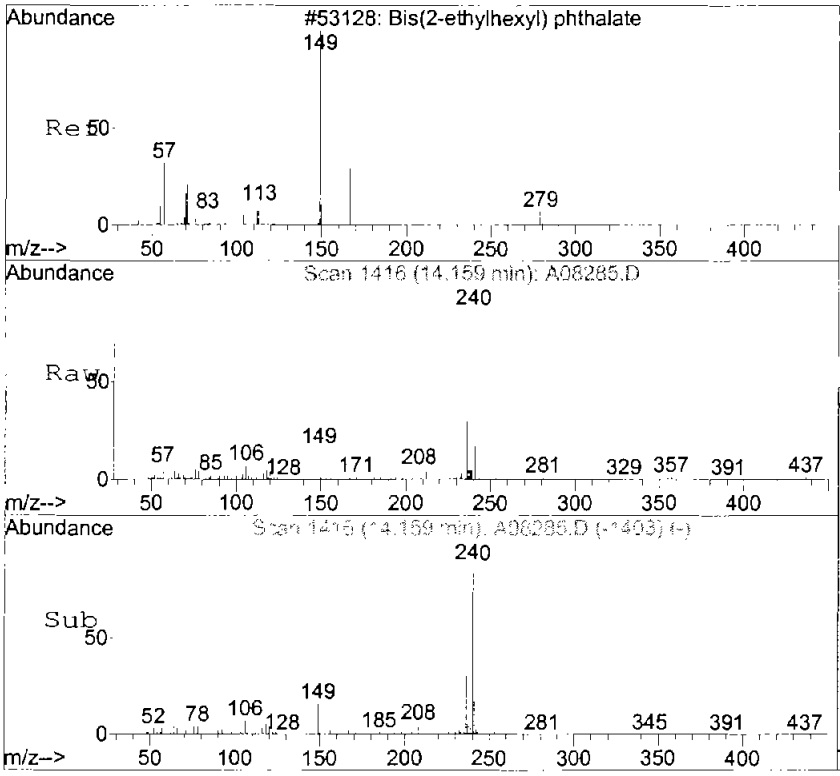


#80
Butylbenzylphthalate
Concen: 19.21 ug/L
RT: 13.36 min Scan# 1336
Delta R.T. -0.01 min
Lab File: A08285.D
Acq: 24 Nov 2004 22:27

Tgt Ion:149 Resp: 5016

Ion	Ratio	Lower	Upper
149	100		
91	238.5	18.1	98.1#

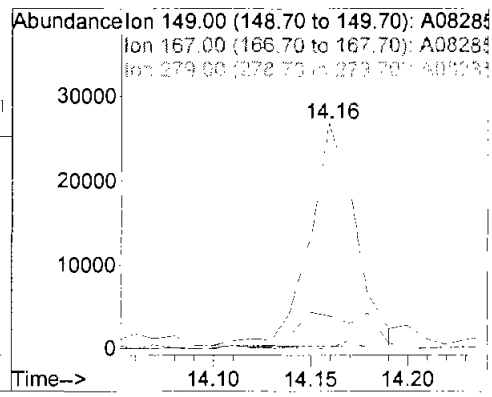




#84
bis(2-Ethylhexyl)phthalate
Concen: 95.35 ug/L
RT: 14.16 min Scan# 1416
Delta R.T. 0.03 min
Lab File: A08285.D
Acq: 24 Nov 2004 22:27

Tgt Ion:149 Resp: 43849

Ion	Ratio	Lower	Upper
149	100		
167	25.5	0.0	78.1
279	1.7	0.0	42.4



INITIAL CALIBRATION

00402

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 - Fluoropheno		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	1.152	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	0.731	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	0.237	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	0.234	0.303	0.288	0.302	0.270	0.254	0.271	12.76
40)	T	2,3-Dichloroani	0.402	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)	T	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 ###

31012
000403

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	0.355	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	0.405	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#	12.89
75)	TC	Fluoranthene	0.827	0.921	0.766	0.874	0.782	0.809	0.826#	6.60
76)	T	Pyrene	0.773	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#	10.34
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	0.936	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

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
36) 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	ul/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	103.52	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	25.37	ug/L	#	51
24) Nitrobenzene	6.72	77	971	10.27	ug/L		42
25) Isophorone	7.00	82	2116	13.26	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	23.86	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	ul/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

31016

00405

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

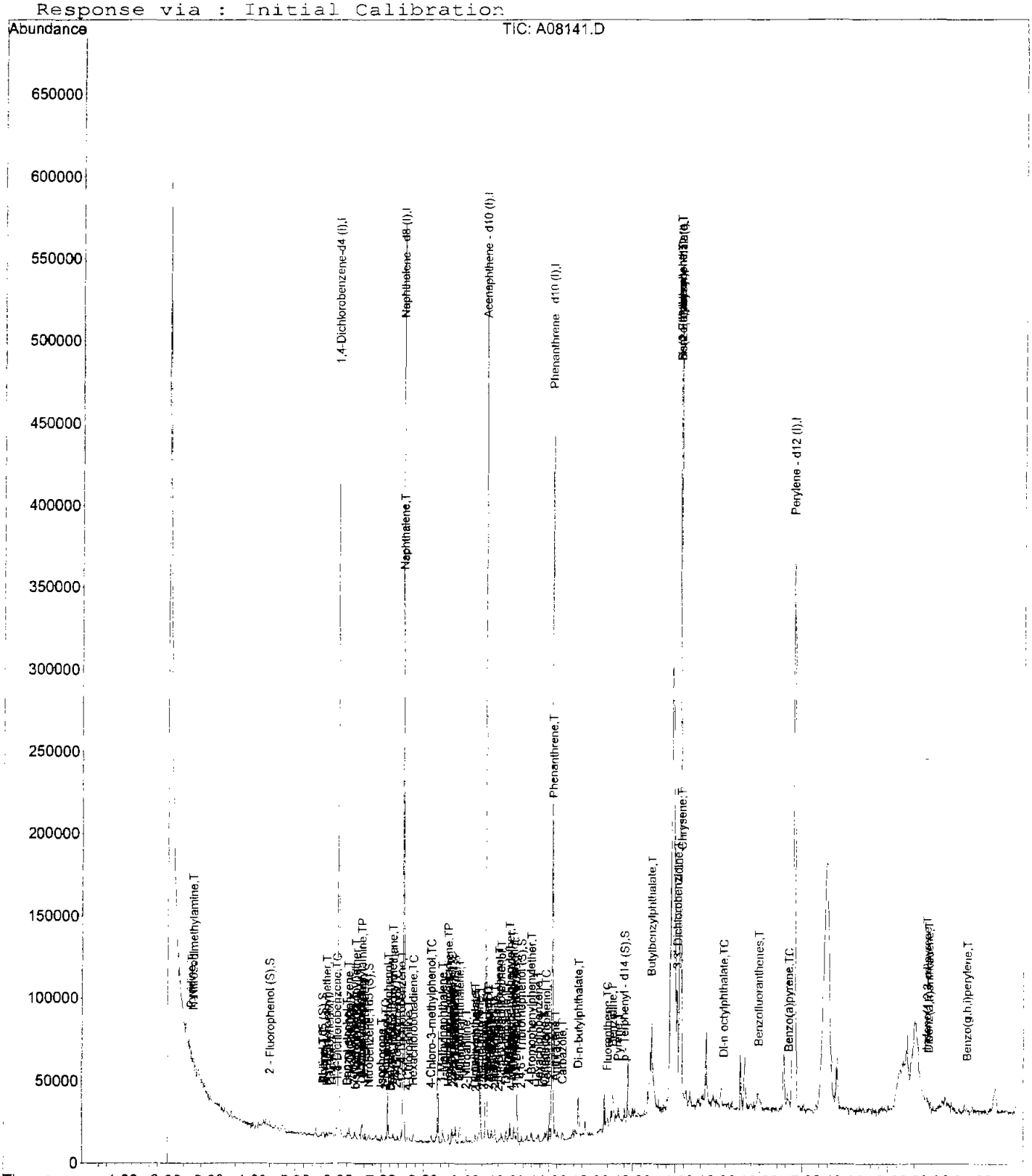
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:00:15 2004
Response via : Initial Calibration
DataAcq Meth :

	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		82
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	19.93	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

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 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



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
85) 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	#	21
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		81
34) Hexachlorobutadiene	7.74	225	2900	33.92	ug/L		98
35) 4-Chloro-3-methylphenol	8.16	107	4055	31.50	ug/L		97
36) 2-Methylnaphthalene	8.31	141	8322	43.14	ug/L		100
37) 1-Methylnaphthalene	8.43	141	8229	39.00	ul/l		96
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		58
45) Biphenyl	8.83	154	8345	38.25	ug/L		73

(#) = qualifier out of range (m) = manual integration
A08142.D SV5-111604.M Wed Nov 17 12:07:06 2004 Page 1

00408

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		96
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	ul/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	57290	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		87
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

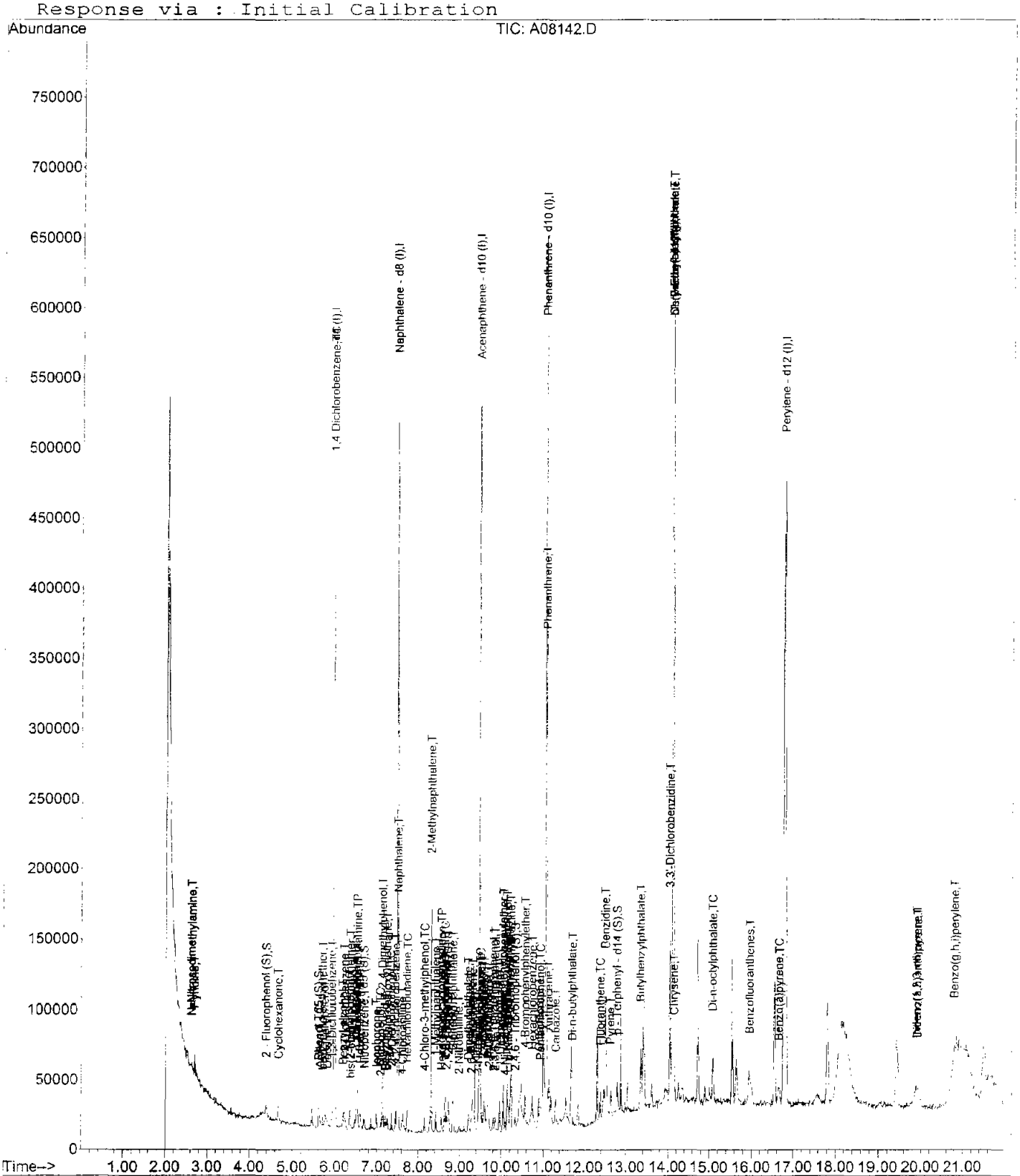
31024

00409

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



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	ul/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		85
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	ul/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

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 :

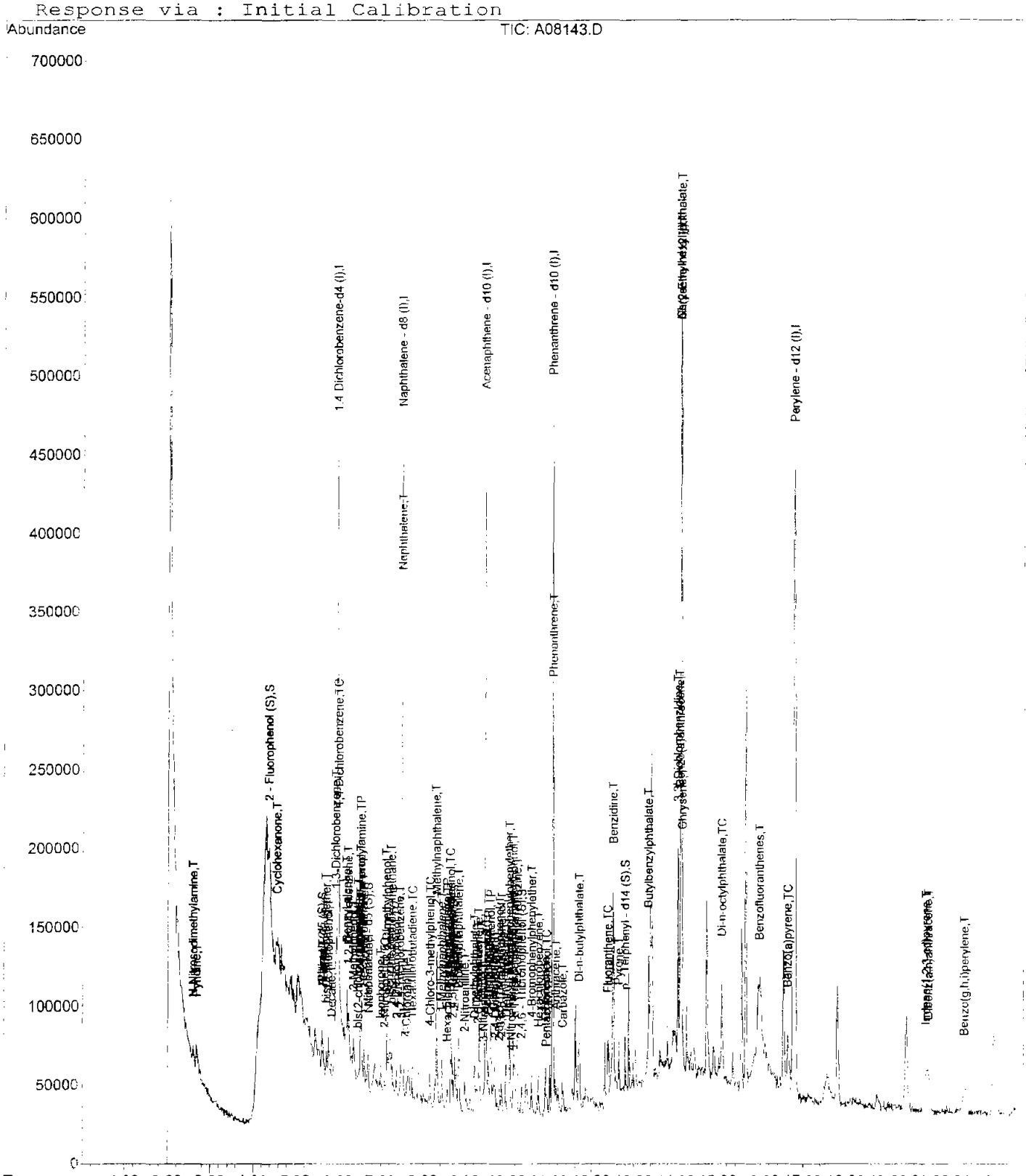
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	2-Nitroaniline	8.99	138	3441	63.70	ug/L		49
47)	Dimethylphthalate	9.22	163	15852	70.39	ug/L		100
48)	Acenaphthylene	9.32	152	19225	98.09	ug/L		91
49)	2,6-Dinitrotoluene	9.30	165	2591	57.36	ug/L		45
50)	3-Nitroaniline	9.44	138	2633	57.85	ug/L	#	40
51)	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	ul/L		90
58)	Diethylphthalate	9.98	149	19541	96.55	ug/L		95
59)	Fluorene	10.06	166	12284	97.80	ug/L		48
60)	4-Chlorophenylphenylether	10.05	204	7754	78.51	ug/L		54
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	78.33	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



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
23) 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		0.02
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		82
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	187.88	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		89
40) 2,3-Dichloroaniline	8.66	161	15806	147.58	ug/L		92
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

31034

00414

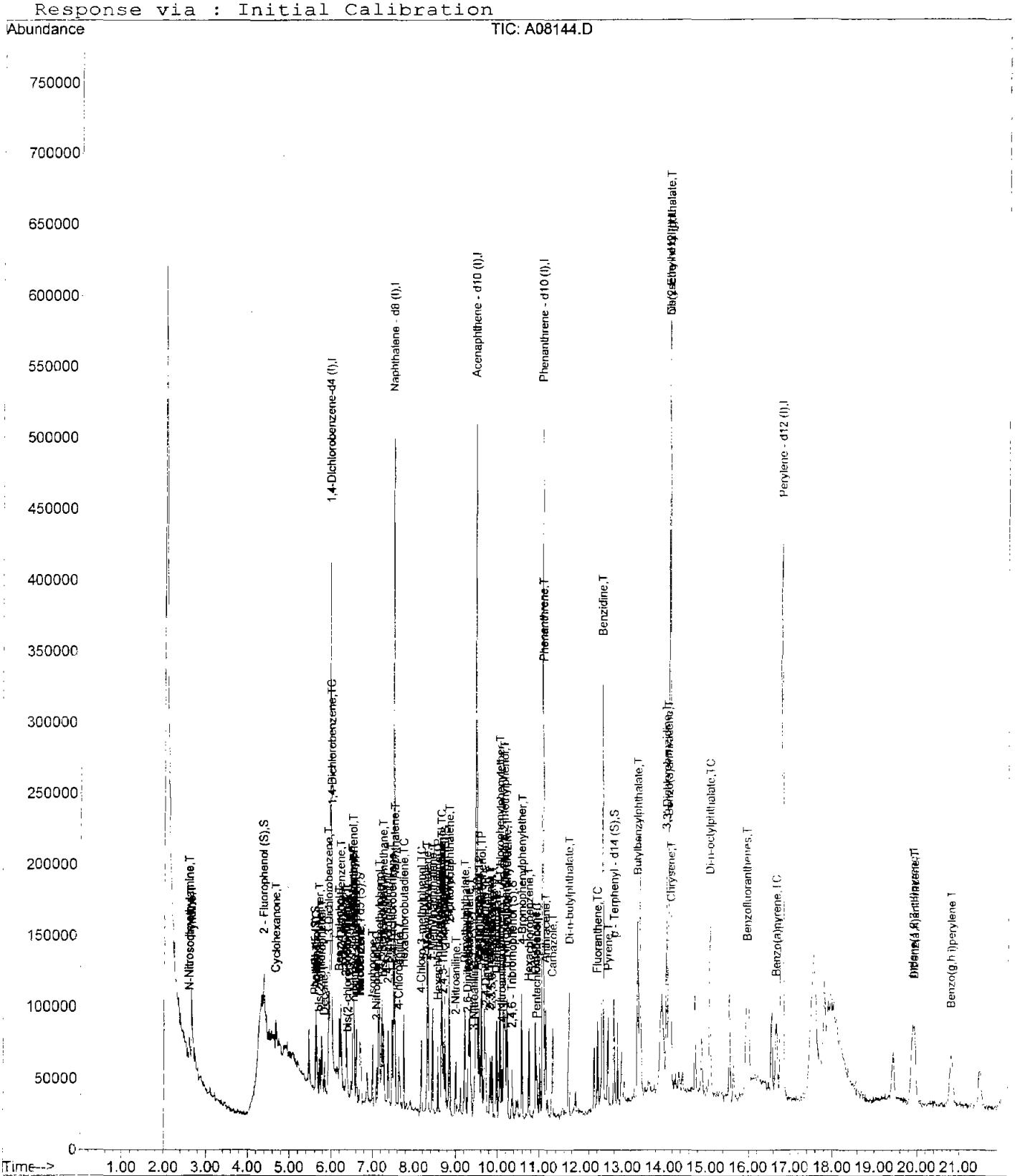
Data File : W:\111604\A08144.D Vial: 0
Acq On : 16 Nov 2004 18:04 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:02:43 2004 Quant Results File: SV5-111604.RES

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	#	1
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		89
70)	Phenanthrene	11.10	178	43189	189.97	ug/L		68
71)	Anthracene	11.15	178	39083	175.12	ug/L		66
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		92
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	59335	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

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
22) 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		84
14) Benzyl alcohol	6.19	79	47780	562.07	ug/L		92
15) 1,2-Dichlorobenzene	6.23	146	53947	520.61	ug/L		89
16) 2-Methylphenol	6.36	108	33093	527.00	ug/L		84
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	#	55
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	ul/l		87
39) Hexachlorocyclopentadiene	8.56	237	27919	437.29	ug/L		84
40) 2,3-Dichloroaniline	8.66	161	45485	410.81	ug/L		95
41) 2,4,6-Trichlorophenol	8.65	196	22792	432.72	ug/L		98
42) 2,4,5-Trichlorophenol	8.69	196	25680	430.86	ug/L		98
44) 2-Chloronaphthalene	8.85	162	70707	423.29	ug/L		52
45) Biphenyl	8.83	154	87963	461.48	ug/L		79

(#) = qualifier out of range (m) = manual integration

31040

00417

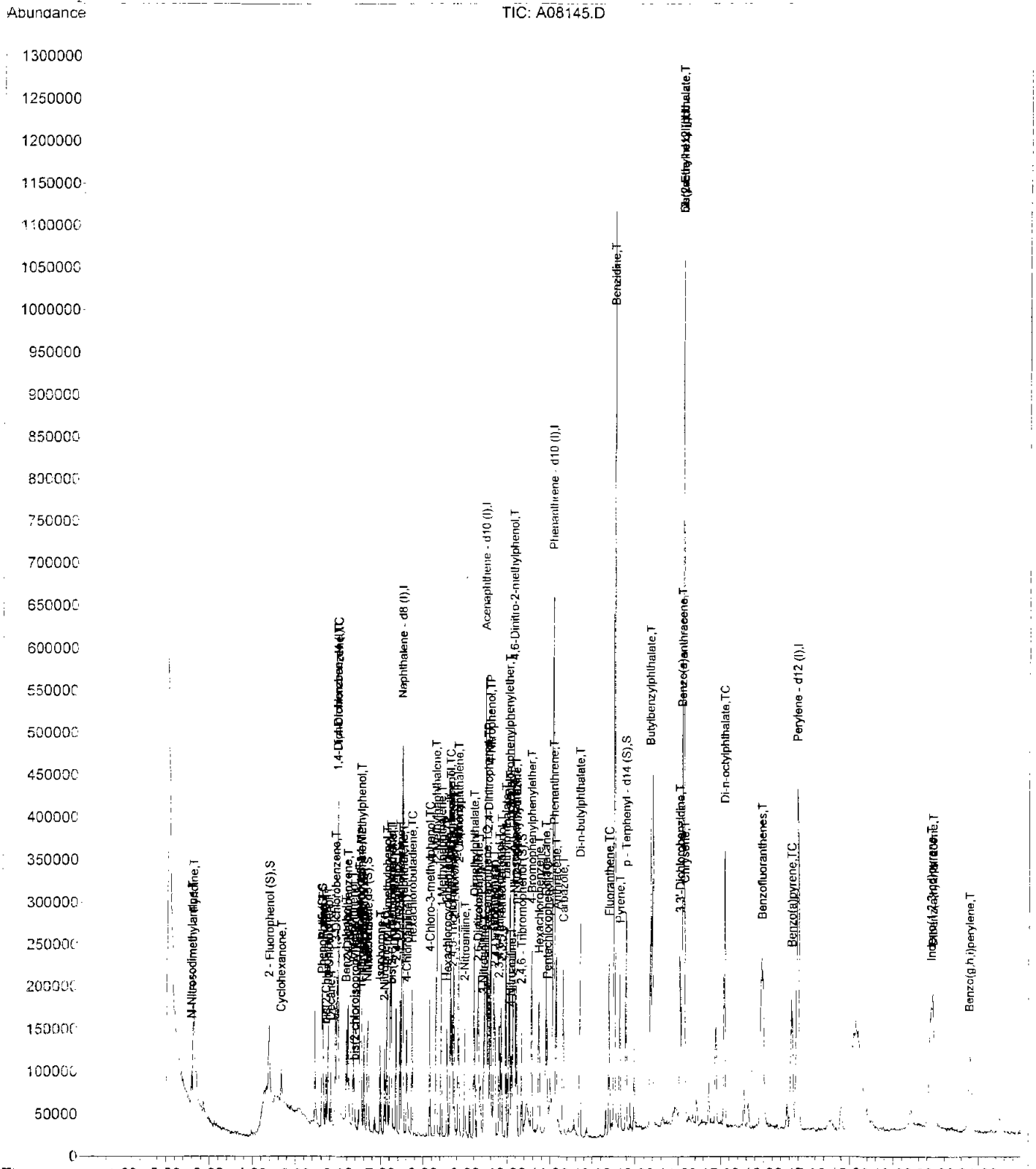
Data File : W:\111604\A08145.D Vial: 0
Acq On : 16 Nov 2004 18:31 Operator: CLZ
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:03:06 2004 Quant Results File: SV5-111604.RES

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	36664	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		78
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		78
86)	Di-n-octylphthalate	15.09	149	421784	514.80	ug/L		100
87)	Benzofluoranthenes	15.97	252	458024	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	297908	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

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.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



00419

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	ul/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
23) 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
2) N-Nitrosodimethylamine	2.59	74	119190	5824.64	ug/L		100
3) 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	19427	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	42480	1055.23	ug/L		91
27) 2,4-Dimethylphenol	7.14	107	82966	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	ul/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

31046

00420

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 :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	2-Nitroaniline	8.99	138	35955	789.88	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	ul/l		99
58)	Diethylphthalate	9.97	149	174921	1011.12	ug/L		83
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	1023.85	ug/L	#	1
66)	1,2-Diphenylhydrazine	10.21	182	47779	921.11	ug/L	#	37
67)	4-Bromophenylphenylether	10.57	248	40803	698.17	ug/L		64
68)	Hexachlorobenzene	10.74	284	45766	966.35	ug/L		88
69)	Pentachlorophenol	10.92	266	25901	803.26	ug/L		83
70)	Phenanthrene	11.09	178	185920	1074.14	ug/L		73
71)	Anthracene	11.14	178	158980	933.21	ug/L		69
72)	Octadecane	10.90	57	91579	894.15	ug/L		82
73)	Carbazole	11.31	167	154392	967.43	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	#	23
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		78
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		100

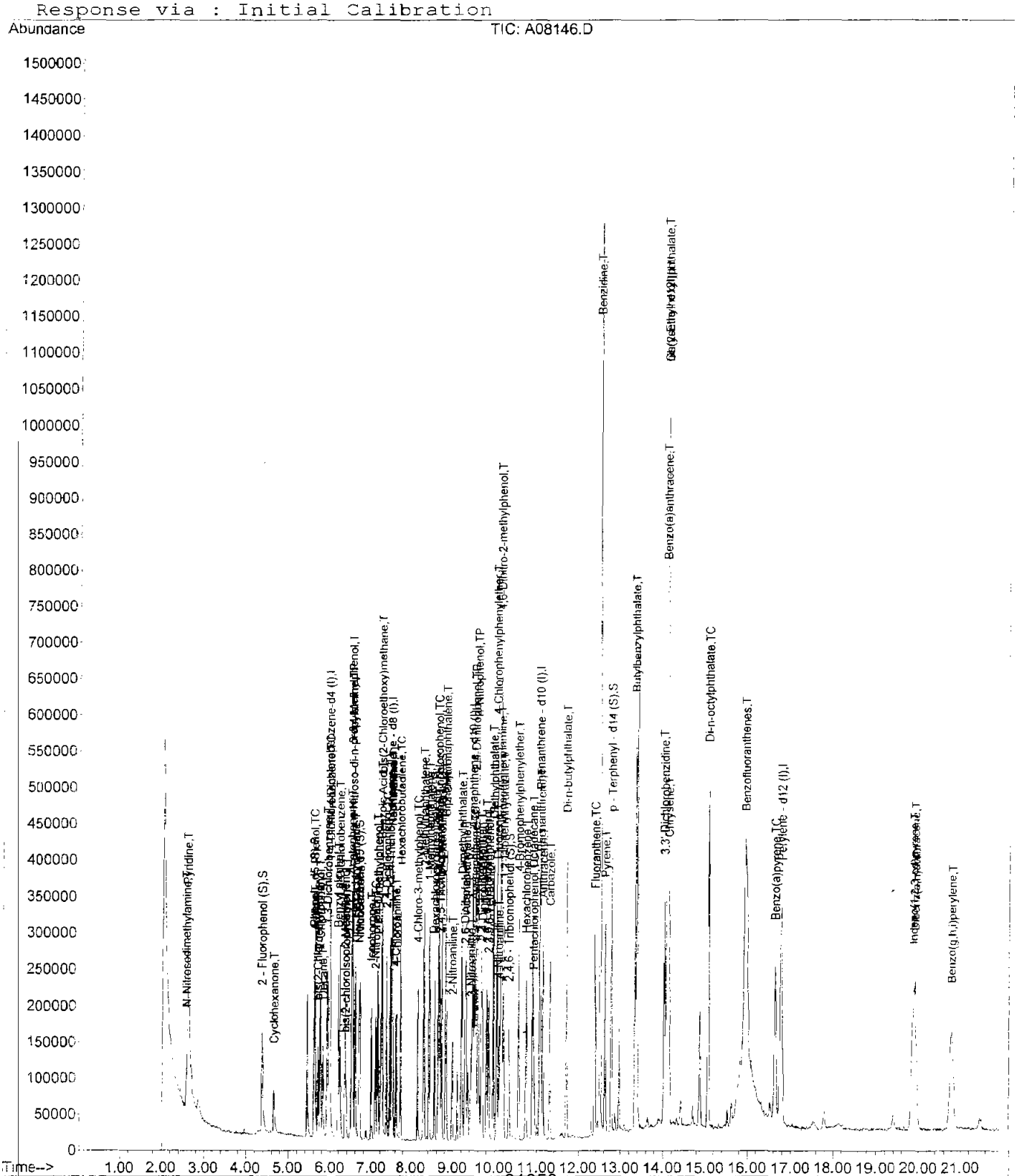
(#) = qualifier out of range (m) = manual integration (+) = signals summed
A08146.D SV5-111604.M Wed Nov 17 12:07:37 2004 Page 2

00421

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



31050

00422

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	836849+	8354.28	ug/L		96
4) Cyclohexanone	4.66	55	51011	1887.65	ug/L		73
5) Aniline	5.63	93	129189	1595.37	ug/L		100
6) Phenol	5.63	94	120372	1650.89	ug/L	#	11
9) bis(2-Chloroethyl)ether	5.71	63	99806	1748.00	ug/L		100
10) 2-Chlorophenol	5.76	128	110015	1471.59	ug/L		61
11) Decane	5.83	57	102309	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	7723.93	ug/L		100
30) 2,4-Dichlorophenol	7.36	162	81595	1232.56	ug/L		92
31) 1,2,4-Trichlorobenzene	7.45	180	90858	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		93
34) Hexachlorobutadiene	7.74	225	73250	1192.11	ug/L		93
35) 4-Chloro-3-methylphenol	8.16	107	120026	1274.01	ug/L		74
36) 2-Methylnaphthalene	8.30	141	185834	1286.46	ug/L		100
37) 1-Methylnaphthalene	8.43	141	185895	1202.54	ul/l		92
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

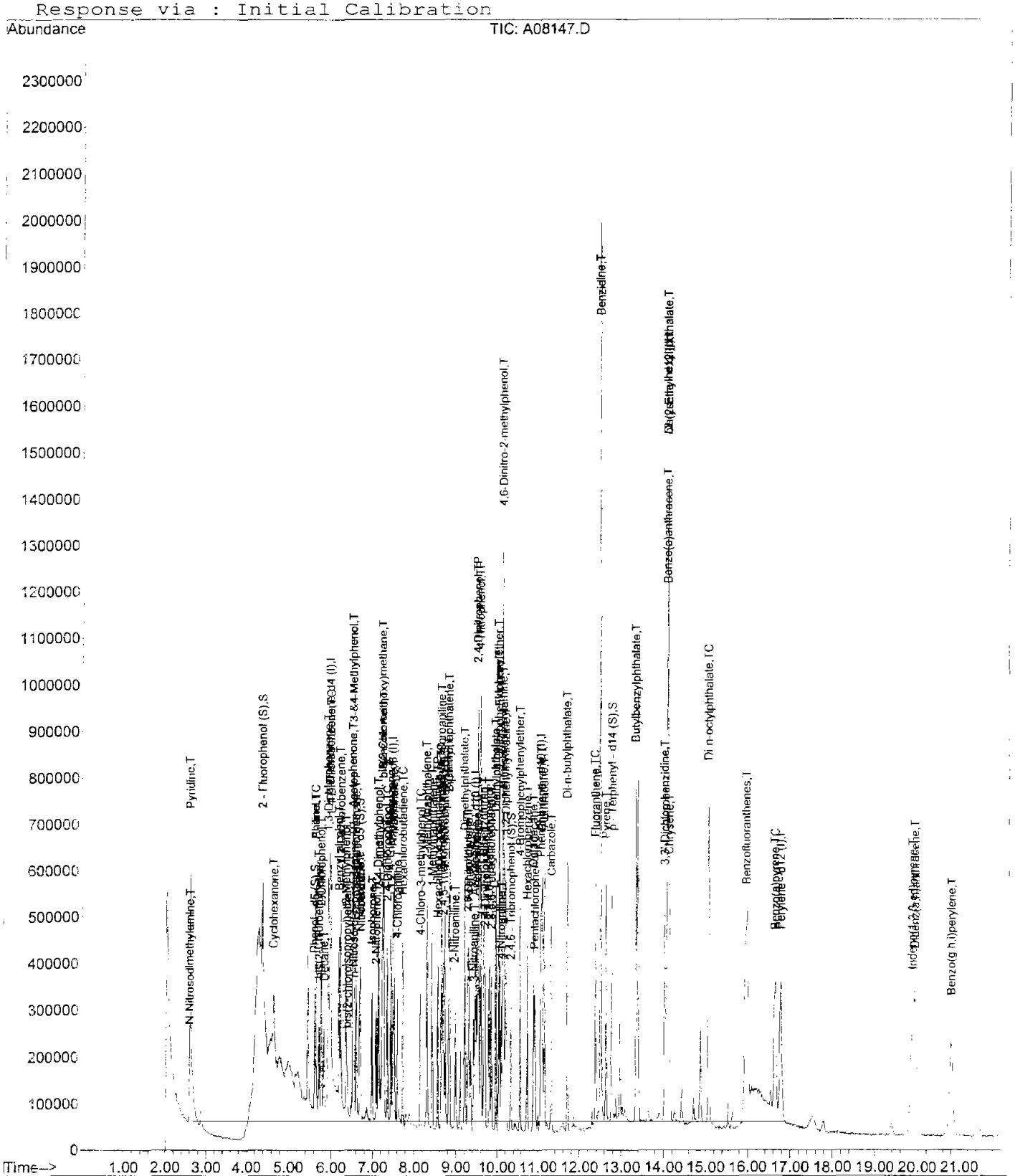
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:04:11 2004
Response via : Initial Calibration
DataAcq Meth :

	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		98
48)	Acenaphthylene	9.31	152	266494	1340.52	ug/L		96
49)	2,6-Dinitrotoluene	9.28	165	59204	1508.16	ug/L		76
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		75
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		92
57)	2,3,5,6-Tetrachlorophenol	9.86	232	58810	1378.09	ug/L		89
58)	Diethylphthalate	9.97	149	267048	1367.33	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	1344.93	ug/L		83
70)	Phenanthrene	11.09	178	322445	1489.27	ug/L		72
71)	Anthracene	11.14	178	294309	1409.44	ug/L		75
72)	Octadecane	10.89	57	163540	1287.04	ug/L		85
73)	Carbazole	11.31	167	292315	1483.54	ug/L		98
74)	Di-n-butylphthalate	11.70	149	498580	1402.49	ug/L		89
75)	Fluoranthene	12.38	202	325427	1429.11	ug/L		82
76)	Pyrene	12.63	202	359836	1592.28	ug/L		66
77)	Benzidine	12.50	184	1471423	8568.11	ug/L		100
80)	Butylbenzylphthalate	13.34	149	293189	1396.88	ug/L		96
81)	Benzo(a)anthracene	14.08	228	483012	1705.92	ug/L		86
82)	3,3'-Dichlorobenzidine	14.03	252	289573+	1251.51	ug/L		98
83)	Chrysene	14.14	228	326874	1288.58	ug/L		91
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		99
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



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		54
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	#	27
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		92
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		42
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) 2,3-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		85
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
A08148.D SV5-111604.M Wed Nov 17 12:07:53 2004 Page 1

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 :

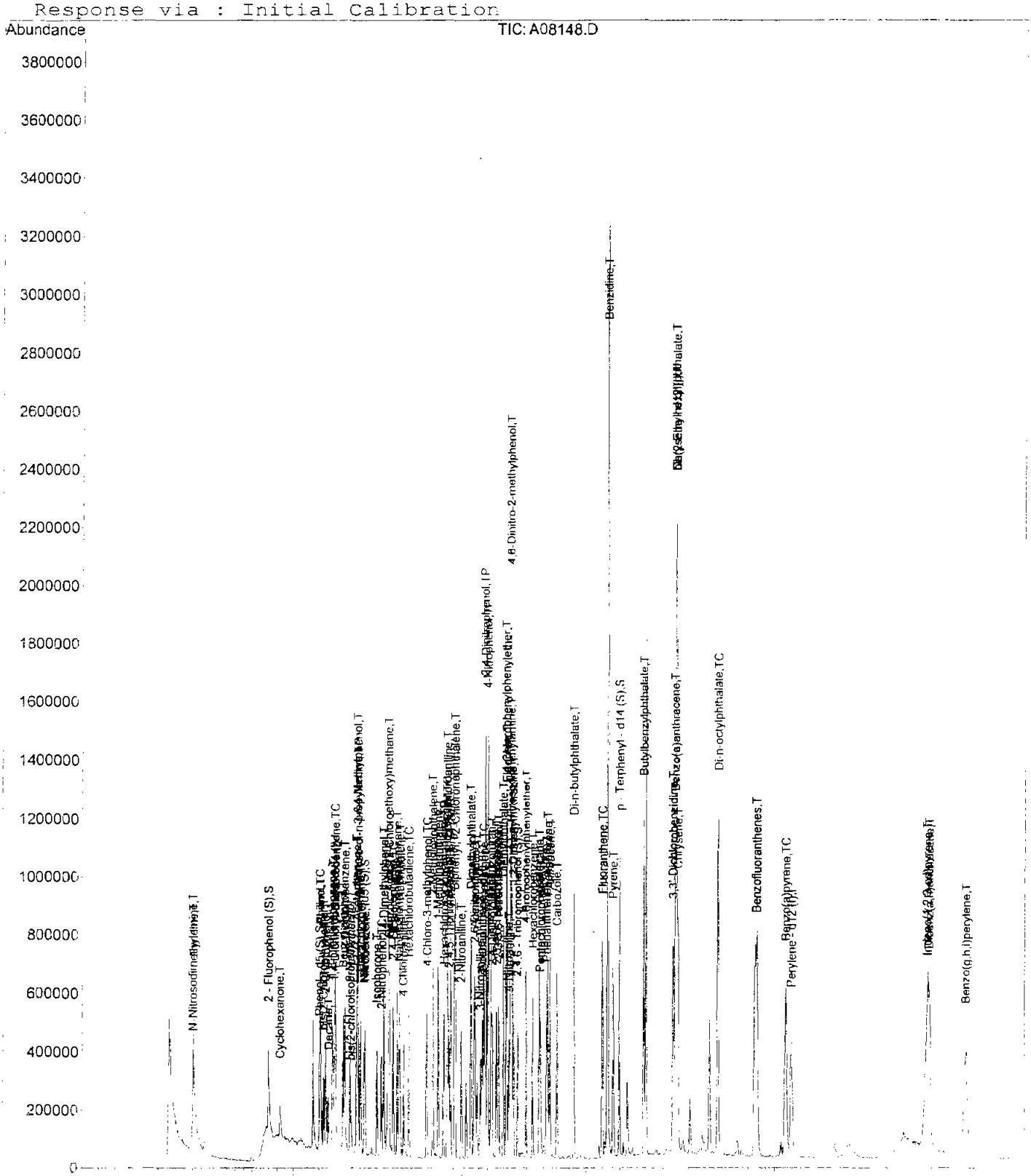
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
46)	2-Nitroaniline	8.98	138	106893	2101.92 ug/L	85
47)	Dimethylphthalate	9.21	163	409285	1928.06 ug/L	100
48)	Acenaphthylene	9.30	152	423021	2032.90 ug/L	97
49)	2,6-Dinitrotoluene	9.28	165	82195	2039.90 ug/L	59
50)	3-Nitroaniline	9.43	138	87994	2072.77 ug/L	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 ul/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	95
63)	4,6-Dinitro-2-methylphenol	10.15	198	363239	11010.20 ug/L	96
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.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



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00428

Quantitation Report (Not Reviewed)

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 12:06:05 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
78) 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	6.98	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	139577	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	8.15	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

31064

00429

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 12:06:05 2004 Quant Results File: SV5-111604.RES

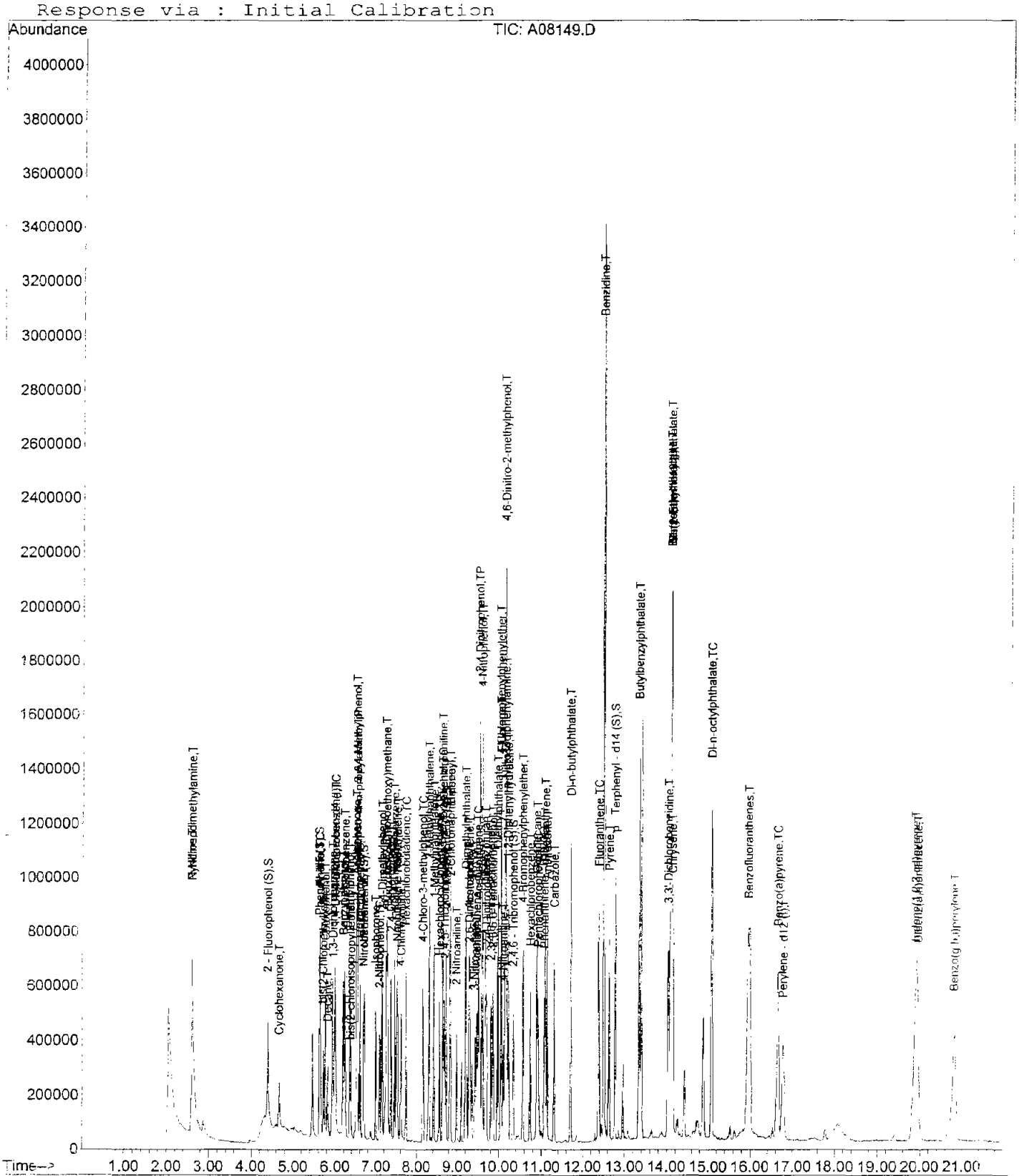
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 12:06:02 2004
Response via : Initial Calibration
DataAcq Meth :

	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	418188	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	2584.28 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	2446.72 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 ul/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	2263.19 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	2347.20 ug/L	100
74)	Di-n-butylphthalate	11.70	149	778525	2195.50 ug/L	93
75)	Fluoranthene	12.38	202	583264	2601.56 ug/L	77
76)	Pyrene	12.63	202	592686	2629.39 ug/L	65
77)	Benzidine	12.50	184	2632258	13976.50 ug/L	100
80)	Butylbenzylphthalate	13.34	149	582465	2816.43 ug/L	97
81)	Benzo(a)anthracene	14.08	228	777514	2670.50 ug/L	68
82)	3,3'-Dichlorobenzidine	14.03	252	446975+	2066.99 ug/L	95
83)	Chrysene	14.14	228	679842	2672.77 ug/L	98
84)	bis(2-Ethylhexyl)phthalate	14.10	149	865730	2400.78 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

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



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	ul/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	5.73	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	ul/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

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 :

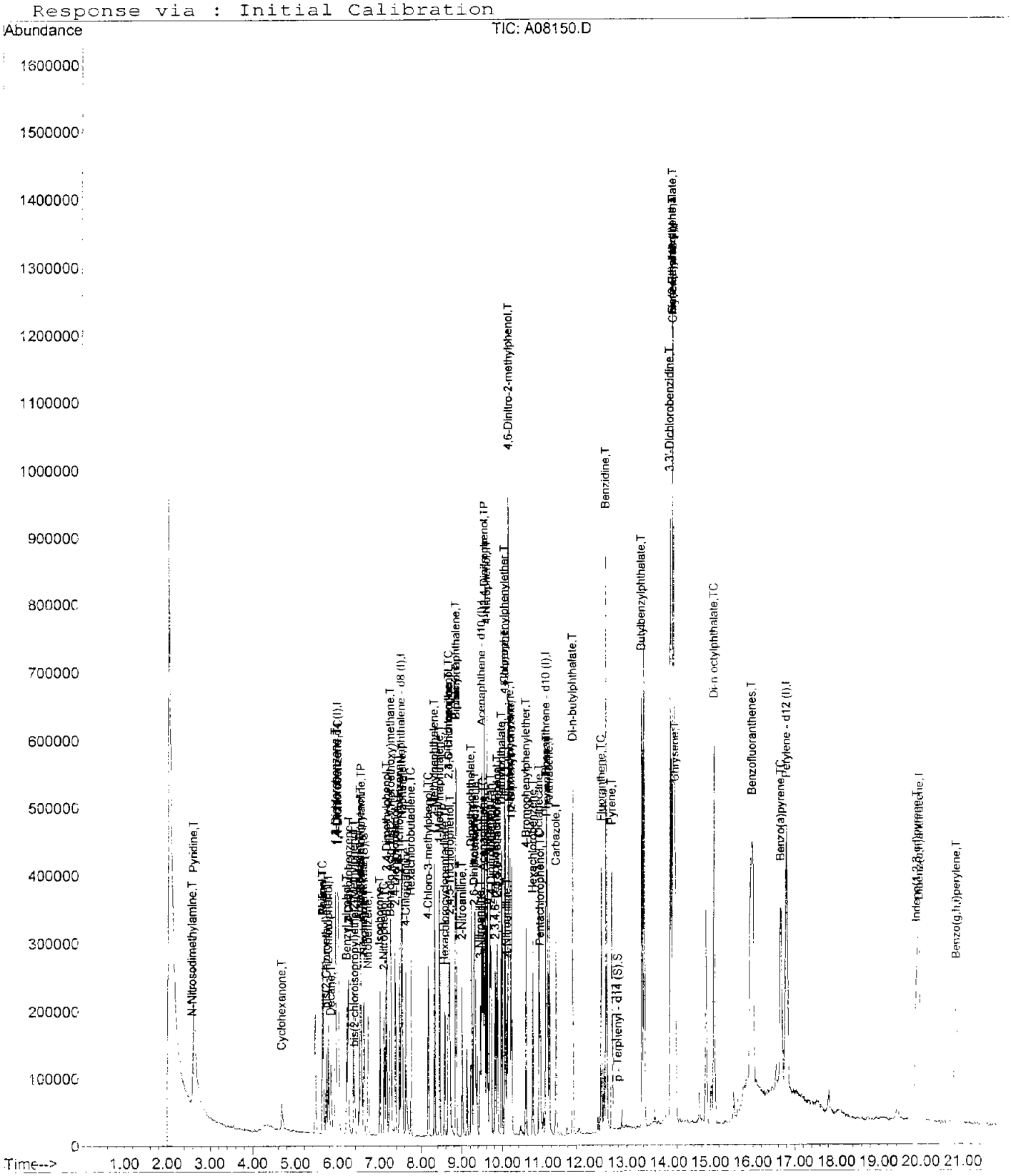
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	2-Nitroaniline	9.00	138	50585	1038.58	ug/L		85
47)	Dimethylphthalate	9.22	163	198104	963.28	ug/L		96
48)	Acenaphthylene	9.32	152	198822	916.11	ug/L		98
49)	2,6-Dinitrotoluene	9.30	165	43280	1119.77	ug/L		75
50)	3-Nitroaniline	9.45	138	42485	1050.00	ug/L		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		61
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		88
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	20.82	276	463303	1057.46	ug/L		100

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

Data File : W:\111604\A08150.D
Acq On : 16 Nov 2004 20:44
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 12:08 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



31074

00434

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	96	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	112	0.00
33	T	4-Chloroaniline	1000.000	1178.564	-17.9	111	0.00
34	TC	Hexachlorobutadiene	1000.000	937.857	6.2	92	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	132	0.00
39	TP	Hexachlorocyclopentadiene	1000.000	840.885	15.9	100	0.02
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	0.02
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	125	0.00
51	TC	Acenaphthene	1000.000	970.903	2.9	134	0.00

(#) = Out of Range

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	-0.03
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	1005.198	-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

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	108	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	-0.03
19	TP	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	2-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	TP	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	TC	Acenaphthene	0.812	0.788#	3.0	134	0.00

.# = Out of Range

00437

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)
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	-0.00
76	T	Pyrene	0.834	0.868#	-4.1	130	-0.01
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	0.01
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

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 - Fluoropheno		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	0.262		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	0.775#	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#	10.76
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	0.286	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	0.176	0.203	0.185		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	1.265	1.370	1.086	1.214	1.157	1.235#	8.18
47)	T	2,6-Dinitrotolu	0.216	0.176	0.169	0.150		0.130	0.153#	21.21
48)	T	3-Nitroaniline		0.136	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	39.93
52)	T	Dibenzofuran	0.937	0.834	0.956	0.828		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#	7.30
69)	T	Anthracene	0.817	0.695	0.802	0.756	0.757	0.794	0.784#	5.48
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#	5.56
72)	T	Di-n-butylphtha		0.963	0.973	0.827		0.794	0.832#	12.65
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#	13.92
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#	6.32
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#	9.32
85)	T	Benzofluoranthe	0.626	0.656	0.634	0.601	0.625	0.593	0.621#	3.22
86)	TC	Benzo(a)pyrene	0.592	0.617	0.574	0.578	0.547	0.564	0.585#	4.00
87)	T	Indeno(1,2,3-cd	0.643	0.725	0.714	0.721	0.617	0.611	0.652#	7.93
88)	T	Dibenz(a,h)anth	0.596	0.654	0.614	0.616	0.493	0.616	0.614#	8.12
89)	T	Benzo(g,h,i)per	0.570	0.649	0.614	0.614	0.464	0.608	0.598#	9.20

(#) = Cut of Range ### Number of calibration levels exceeded format ###

31086

00440

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	ul/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		0.01
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		58
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	#	22
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	33.83	ug/L		72
18) n-Nitroso-di-n-propylamine	7.29	70	843	18.80	ug/L	#	15
19) Hexachloroethane	7.29	117	1141	34.10	ug/L	#	8
22) Nitrobenzene	7.43	77	1228	22.85	ug/L		95
23) Isophorone	7.78	82	1397	16.59	ug/L		100
25) 2,4-Dimethylphenol	7.94	107	1375	28.75	ug/L		89
26) bis(2-Chloroethoxy)methane	8.06	93	753	20.44	ug/L	#	20
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	ul/l		99
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	#	12
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

310881

00441

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

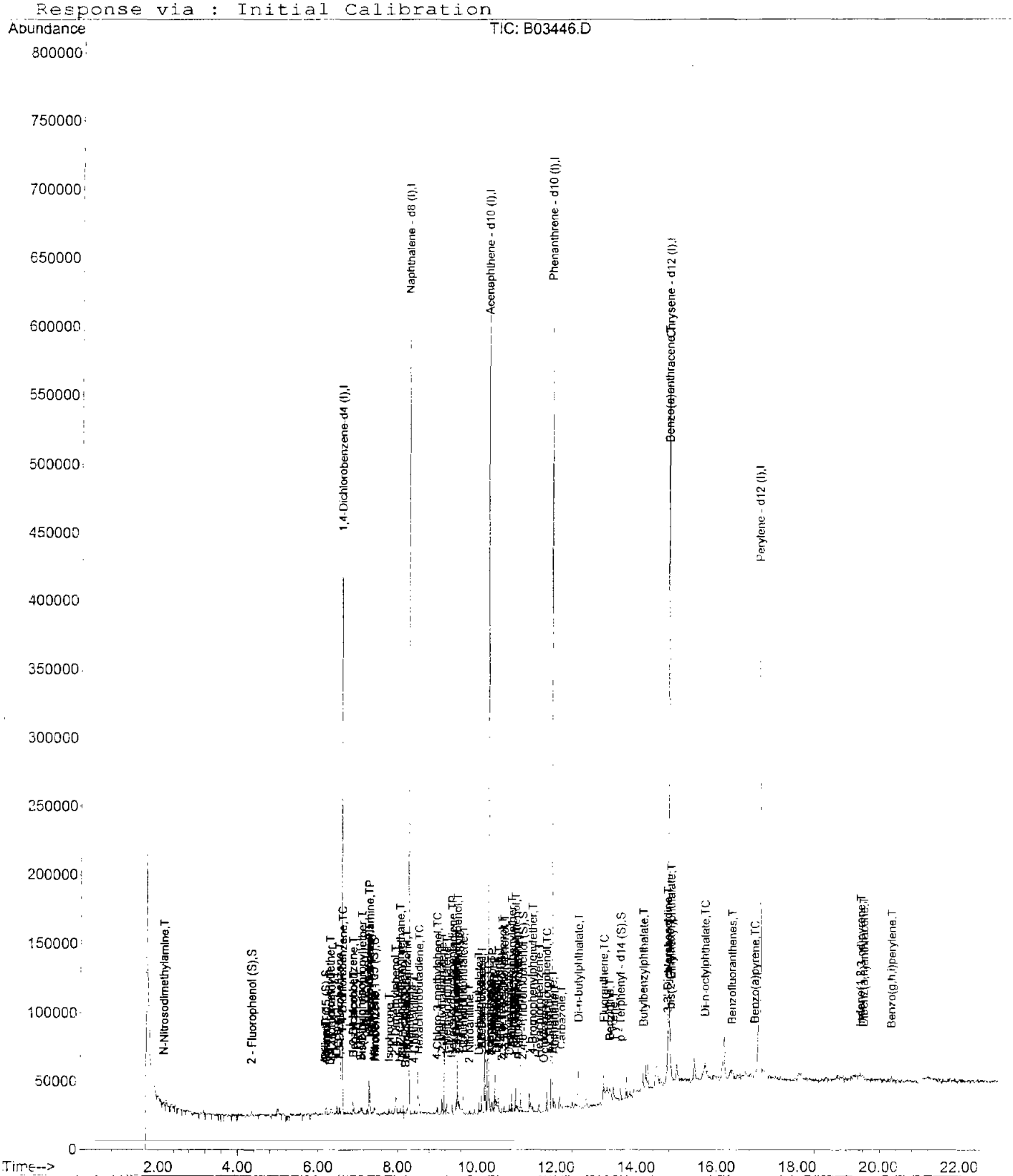
Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:19:32 2004
Response via : Initial Calibration
DataAcq Meth :

	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	ul/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	11.94	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

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 NC 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	ul/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	3308	48.66	ug/L		-0.01
21) Nitrobenzene - d5 (S)	7.41	82	3468	54.27	ug/L		-0.04
41) 2 - Fluorobiphenyl (S)	9.56	172	5459	52.99	ug/L		0.02
63) 2,4,6 - Tribromophenol (S)	11.15	330	1836	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	7.94	107	2891	60.14	ug/L		98
26) bis(2-Chloroethoxy)methane	8.06	93	1331	35.95	ug/L	#	37
27) Benzoic Acid	8.28	105	826	31.89	ug/L		100
28) 2,4-Dichlorophenol	8.14	162	2453	46.03	ug/L		56
29) 1,2,4-Trichlorobenzene	8.23	180	2165	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	ul/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	#	37
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

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

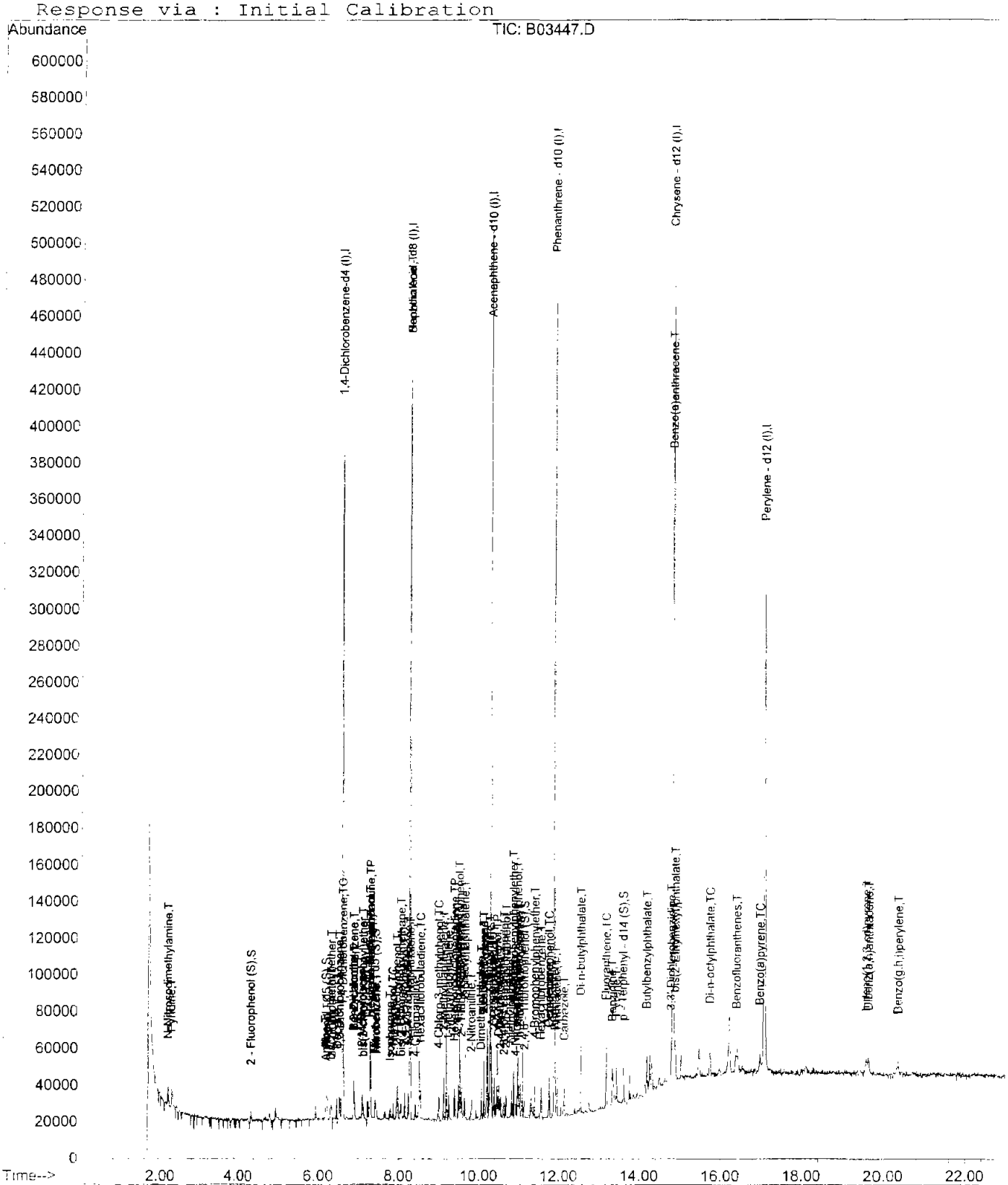
Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:21:00 2004
Response via : Initial Calibration
DataAcq Meth :

	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	1338	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	2681	50.11	ug/L		78
71)	Carbazole	12.12	167	7256	52.93	ug/L		99
72)	Di-n-butylphthalate	12.55	149	9859	59.41	ug/L		99
73)	Fluoranthene	13.19	202	10267	53.51	ug/L		80
74)	Pyrene	13.43	202	10099	52.95	ug/L		95
75)	Benzidine	13.33	184	15297	170.25	ug/L		100
78)	Butylbenzylphthalate	14.18	149	6161	77.10	ug/L		91
79)	Benzo(a)anthracene	14.80	228	9267	50.56	ug/L		68
80)	3,3'-Dichlorobenzidine	14.77	252	3296	44.59	ug/L		90
81)	Chrysene	14.85	228	8598	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	98.31	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	9705	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	8609	45.49	ug/L		99

310961

Data File : U:\DATA\111504\B03447.D Vial: C
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: 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 :

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	ul/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		85
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		75
11) 1,3-Dichlorobenzene	6.53	146	5540	102.58	ug/L		95
12) 1,4-Dichlorobenzene	6.61	146	5738	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		70
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		42
17) 3-&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		82
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	3376	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		81
35) 1-Methylnaphthalene	9.24	141	8863	113.66	ul/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	#	89
40) 2,4,5-Trichlorophenol	9.52	196	3792	112.15	ug/L		88
42) 2-Chloronaphthalene	9.66	162	7828	100.02	ug/L		63
43) Biphenyl	9.66	154	12467	86.67	ug/L		88
44) 2-Nitroaniline	9.82	138	2335	87.22	ug/L		83
45) Dimethylphthalate	10.06	163	10608	85.71	ug/L		100

(#) = qualifier out of range (m) = manual integration

31100

00447

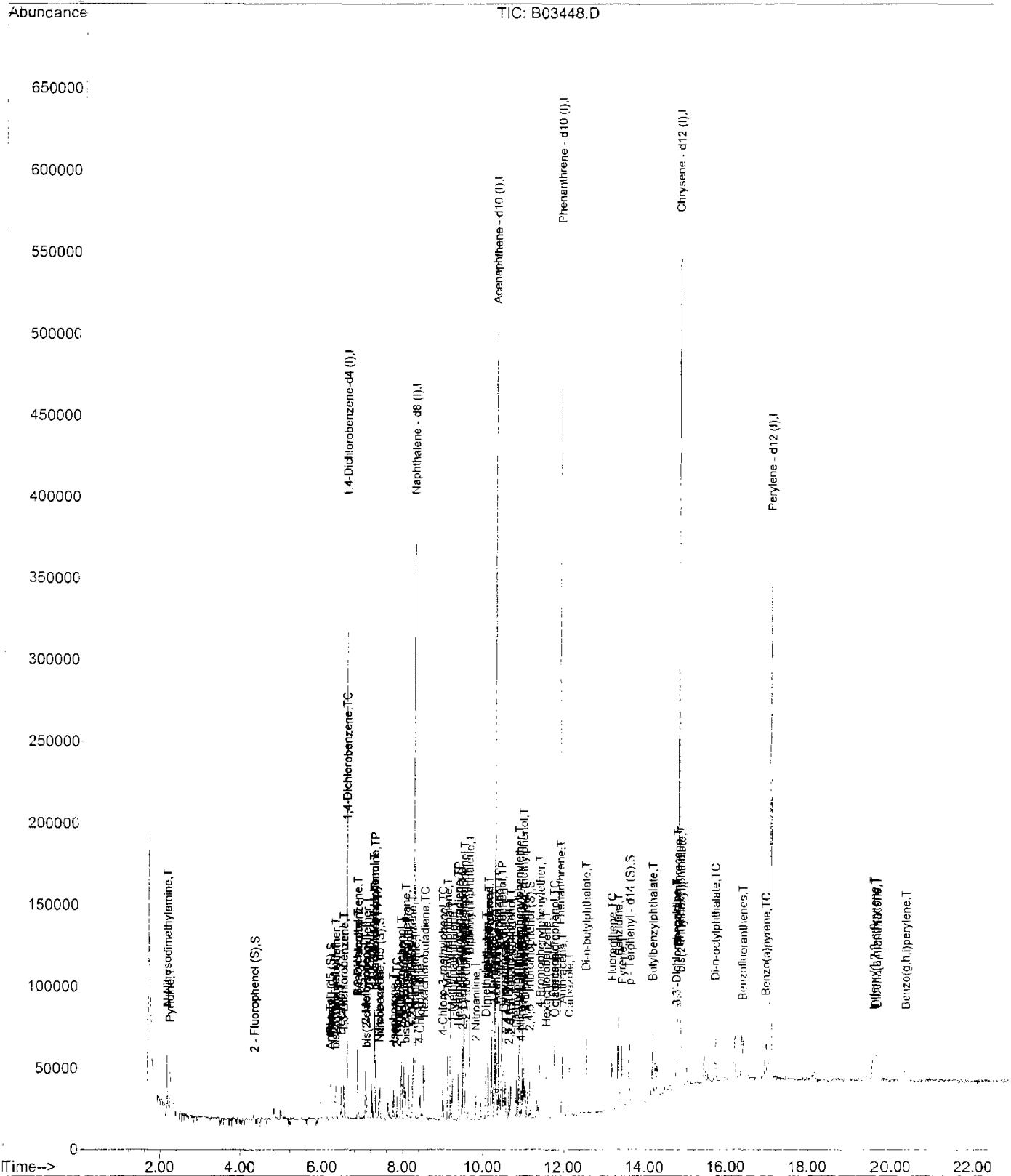
Data File : U:\DATA\111504\B03448.D Vial: 0
Acq On : 15 Nov 2004 16:39 Operator: CLZ
Sample : 100 UG/L 8270 ICAL STD NO 1281-1-3 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:22:09 2004 Quant Results File: 111604.RES

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)	3-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	ul/l		90
56)	Diethylphthalate	10.83	149	10989	109.44	ug/L		92
57)	Fluorene	10.88	166	10075	76.26	ug/L		98
58)	4-Chlorophenylphenylether	10.89	204	6966	99.02	ug/L		89
59)	4-Nitroaniline	10.94	138	1847	102.96	ug/L		76
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		86
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		69
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	30098	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	24542	97.44	ug/L		92
88)	Dibenz(a,h)anthracene	19.65	278	22133	100.72	ug/L		96
89)	Benzo(g,h,i)perylene	20.34	276	21964	103.55	ug/L		90

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



Quantitation Report (RTE Integrator)

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		0.03
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		0.02
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		96
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	7.08	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	7.30	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		96
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	#	25
27) Benzoic Acid	8.05	105	19924	915.72	ug/L		100
28) 2,4-Dichlorophenol	8.15	162	9024	201.51	ug/L		96
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	8.55	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		86
37) Hexachlorocyclopentadiene	9.39	237	12064	220.47	ug/L		99
38) 2,3-Dichloroaniline	9.49	161	10359	175.41	ug/L		98
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		86
44) 2-Nitroaniline	9.82	138	4933	199.47	ug/L		73
45) Dimethylphthalate	10.06	163	25323	233.60	ug/L		100

#) = qualifier out of range (m) = manual integration

31106

00450

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

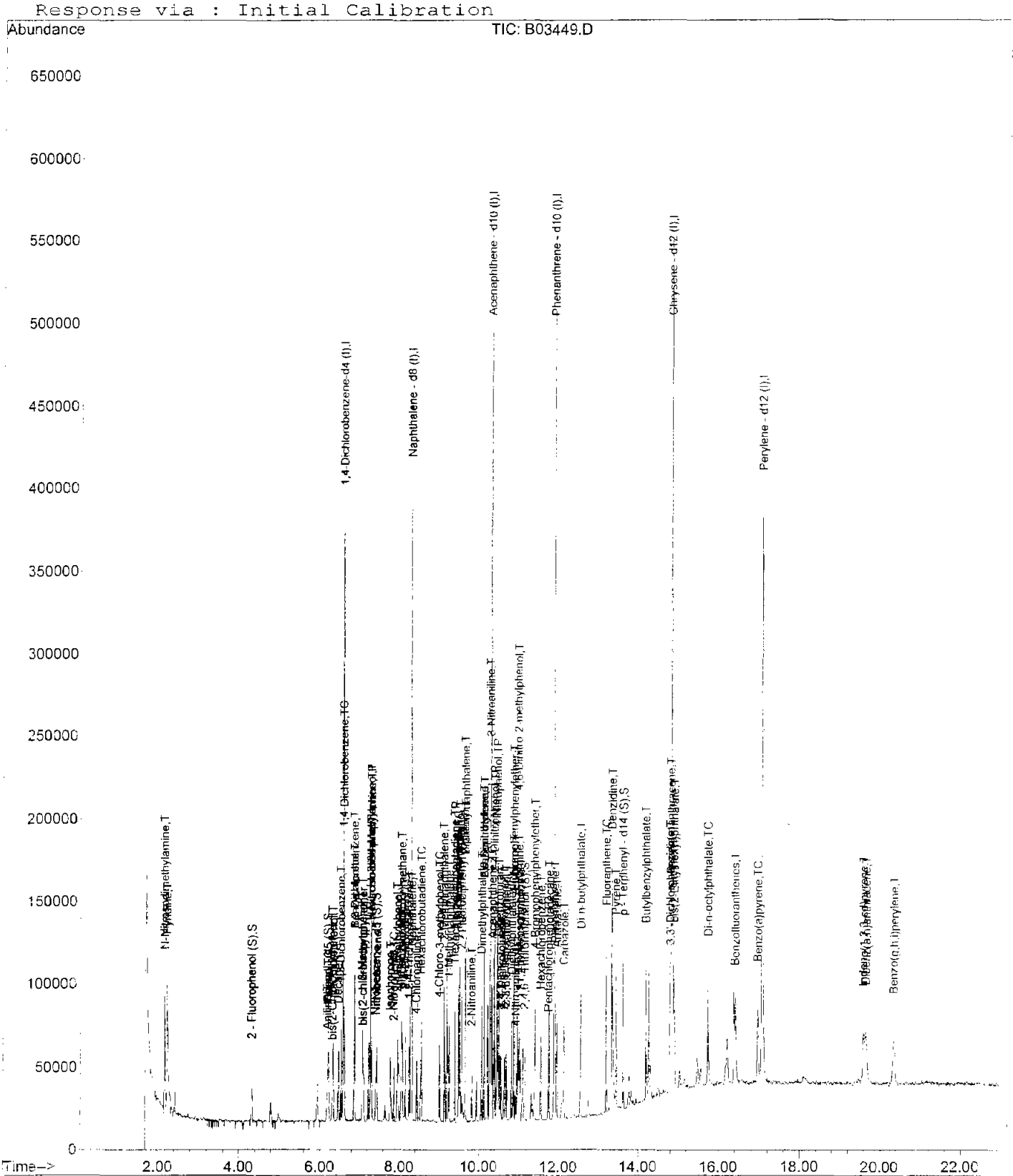
Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 17 09:22:40 2004
Response via : Initial Calibration
DataAcq Meth :

	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	ug/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	192.52	ug/L		99
72)	Di-n-butylphthalate	12.56	149	36257	223.09	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	89330	992.98	ug/L		100
78)	Butylbenzylphthalate	14.19	149	21018	226.43	ug/L		93
79)	Benzo(a)anthracene	14.80	228	45125	214.04	ug/L		79
80)	3,3'-Dichlorobenzidine	14.78	252	15621	187.21	ug/L		98
81)	Chrysene	14.85	228	38600	198.78	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	193.06	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

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



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 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
63) 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		83
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		84
35) 1-Methylnaphthalene	9.25	141	41850	575.03	ul/l		84
37) Hexachlorocyclopentadiene	9.39	237	31205	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	566.43	ug/L	#	65
40) 2,4,5-Trichlorophenol	9.52	196	15231	452.81	ug/L		98
42) 2-Chloronaphthalene	9.67	162	36151	448.28	ug/L		69
43) Biphenyl	9.66	154	63458	444.82	ug/L		99
44) 2-Nitroaniline	9.82	138	12105	439.23	ug/L		77
45) Dimethylphthalate	10.07	163	64327	534.66	ug/L		101

(#) = qualifier out of range (m) = manual integration

31112

00453

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	10.88	166	57339	416.47	ug/L		84
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		92
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		86
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		78
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	16.41	252	192810	923.56	ug/L		80
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		89
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		92

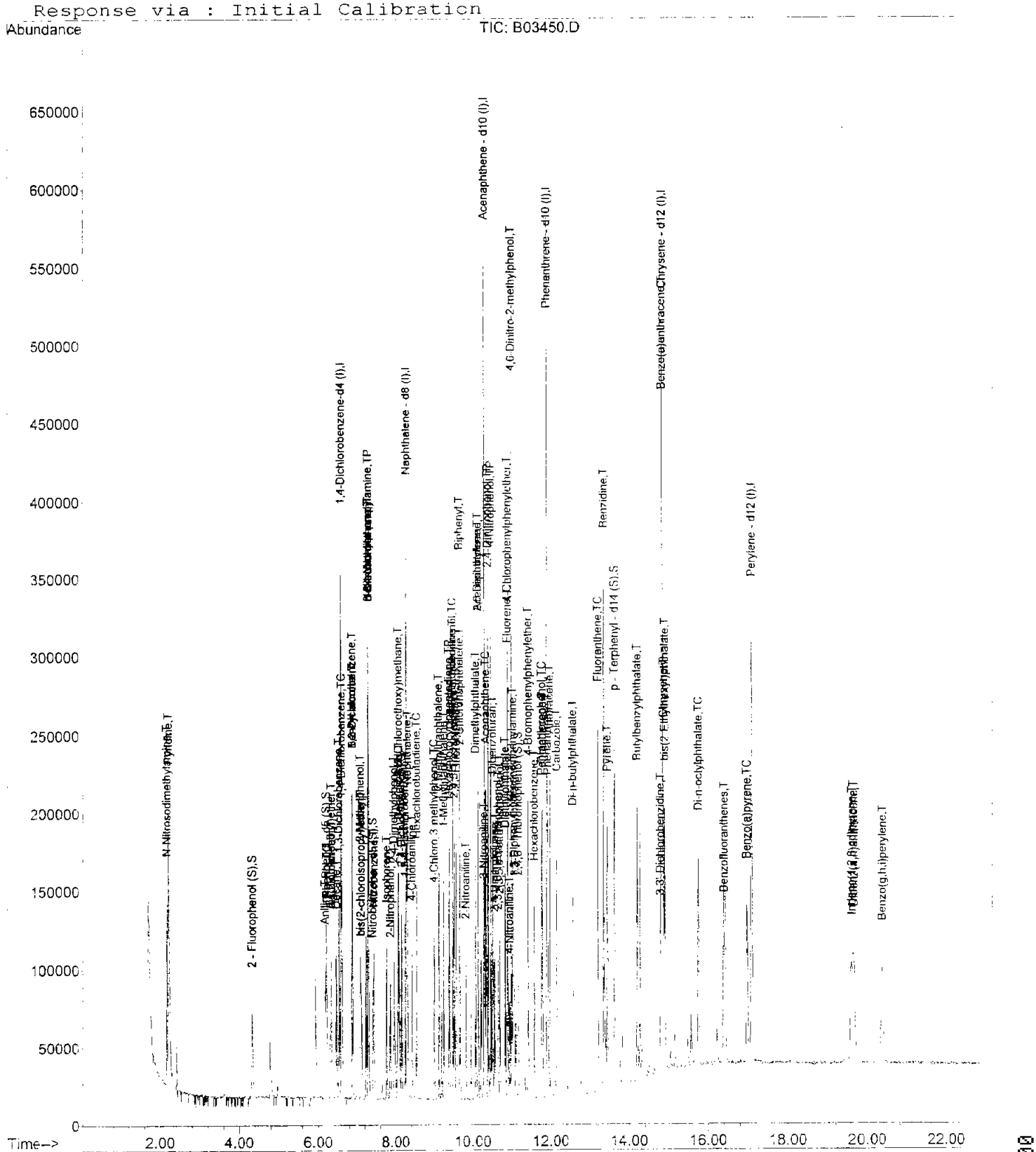
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : U:\DATA\111504\B03450.D
Acq On : 15 Nov 2004 17:35
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 8:54 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



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
21) 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
2) 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	66418	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
22) Nitrobenzene	7.44	77	48174	956.32	ug/L		72
23) 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	43060	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	9.00	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	60860	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

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	172762	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	387451	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

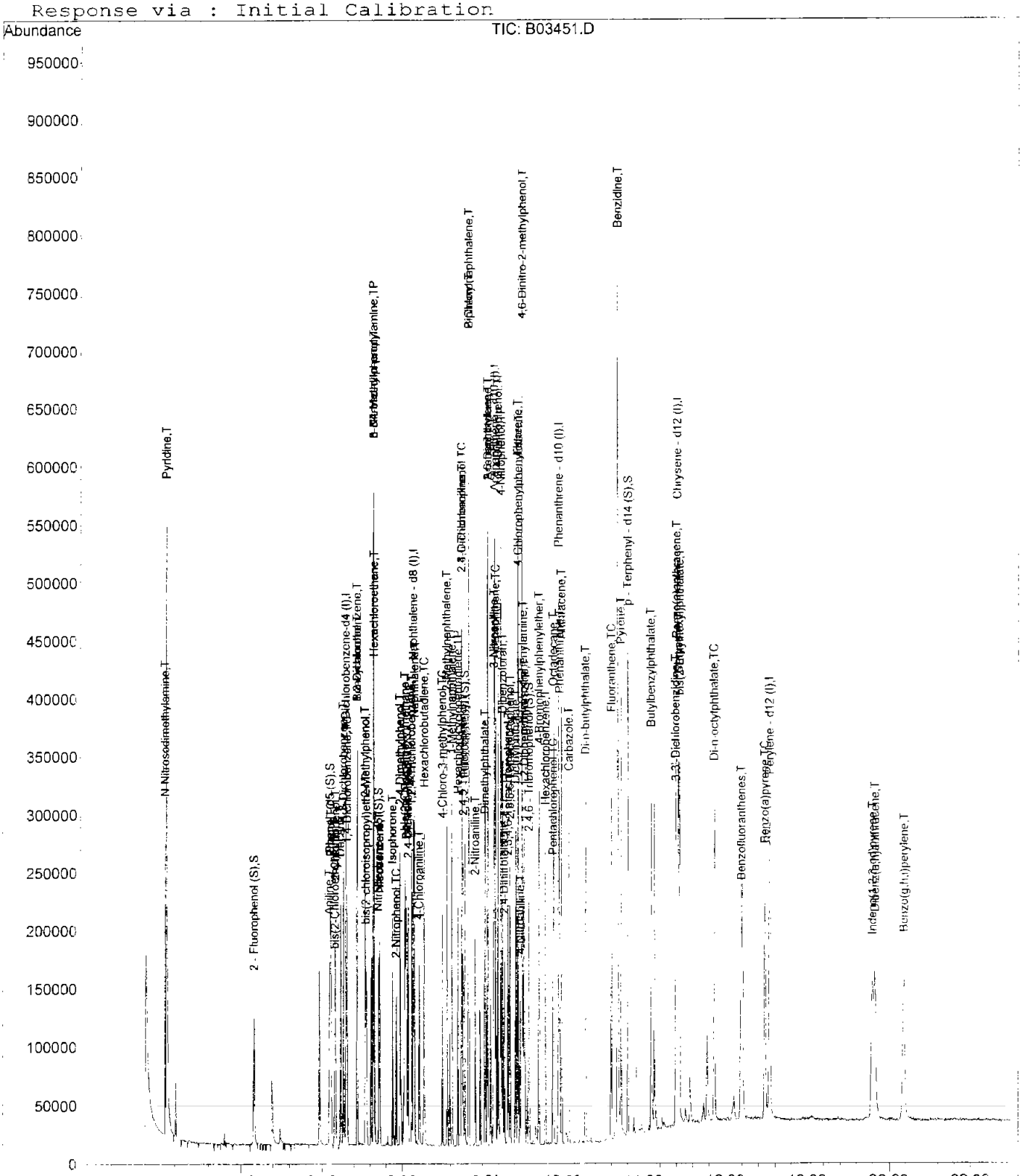
Quantitation Report (Non-Targeted)

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: 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



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)	11.88	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	6.86	79	98961	1431.72	ug/L		86
14) 1,2-Dichlorobenzene	6.88	146	62700	1500.43	ug/L		81
15) 2-Methylphenol	7.07	108	53708	1294.75	ug/L		97
16) bis(2-chloroisopropyl)ethe	7.10	45	85320	1366.27	ug/L		59
17) 3-&4-Methylphenol	7.28	108	116143	2445.71	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	1505.29	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	37657	1538.42	ug/L		65
45) Dimethylphthalate	10.06	163	171248	1539.18	ug/L		100

(#) = qualifier out of range (m) = manual integration

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 :

	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	1554.85	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	7431.45	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	1508.22	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		85
71)	Carbazole	12.13	167	174190	1368.19	ug/L		100
72)	Di-n-butylphthalate	12.56	149	225329	1504.93	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	1359.72	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		83
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	1486.18	ug/L		99
89)	Benzo(g,h,i)perylene	20.35	276	280770	1442.22	ug/L		94

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

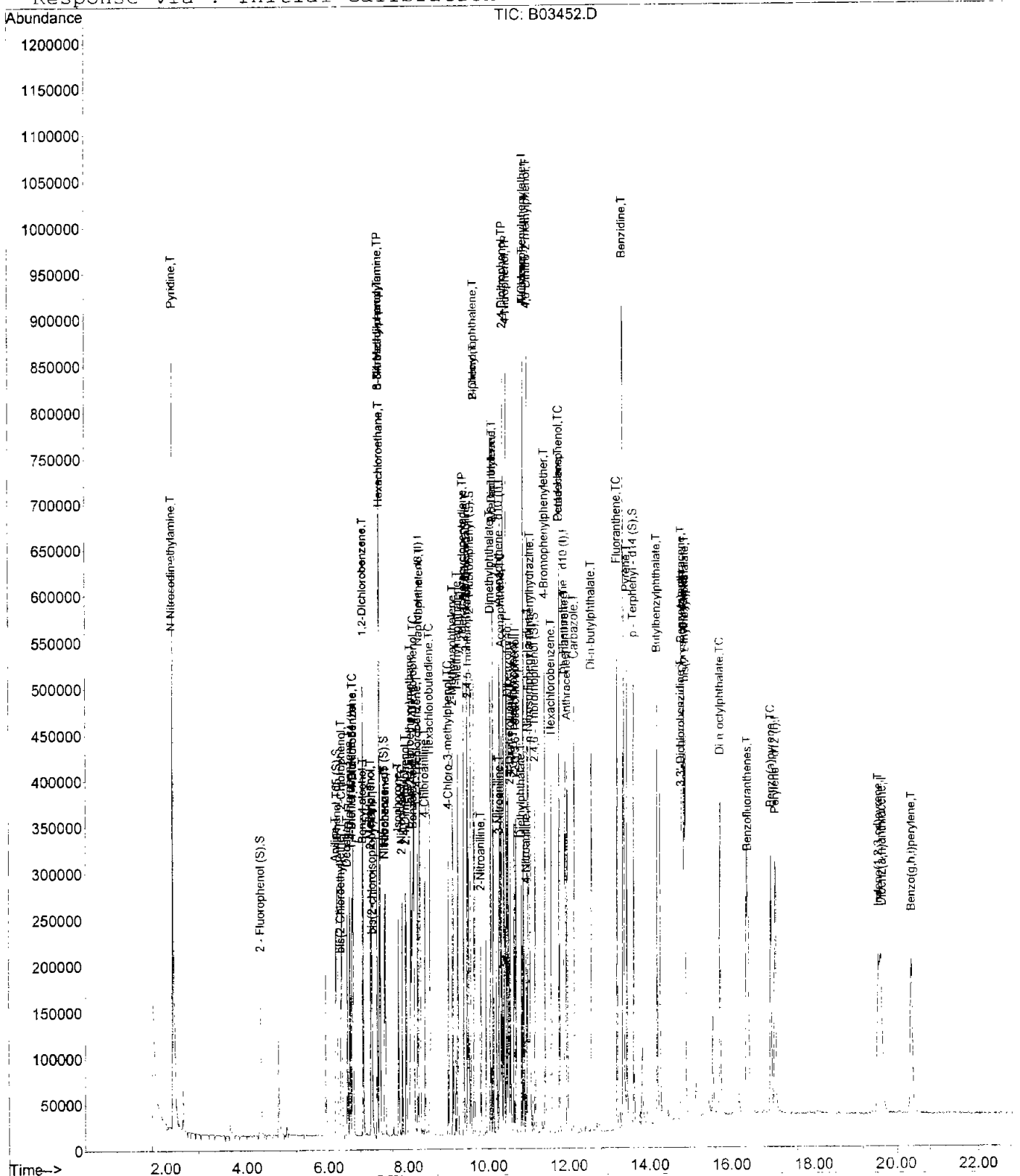
Quantitation Report (RTE Integrator)

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



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 :

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	ul/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	1927.95	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+	8488.93	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	3742.80	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	1855.83	ug/L	100
24) 2-Nitrophenol	7.85	139	53432	2483.24	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	2032.34	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	1776.64	ul/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	2159.18	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

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		97
48)	3-Nitroaniline	10.27	138	45172	2226.48	ug/L	#	73
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	ul/l		91
56)	Diethylphthalate	10.82	149	141179	1632.59	ug/L		56
57)	Fluorene	10.87	166	259378	2212.81	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		80
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		91
69)	Anthracene	11.95	178	297018	2101.46	ug/L		89
70)	Octadecane	11.76	57	100803	2124.82	ug/L		85
71)	Carbazole	12.13	167	234737	1868.68	ug/L		98
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	1953.68	ug/L		97
75)	Benzidine	13.35	184	1079885	11967.11	ug/L		100
78)	Butylbenzylphthalate	14.16	149	151521	1784.46	ug/L		96
79)	Benzo(a)anthracene	14.77	228	389986	2010.20	ug/L		96
80)	3,3'-Dichlorobenzidine	14.75	252	159279	2152.50	ug/L		96
81)	Chrysene	14.83	228	360178	2077.84	ug/L		95
82)	bis(2-Ethylhexyl)phthalate	14.85	149	239120	1719.56	ug/L		97
84)	Di-n-octylphthalate	15.70	149	453421	1879.43	ug/L		100
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

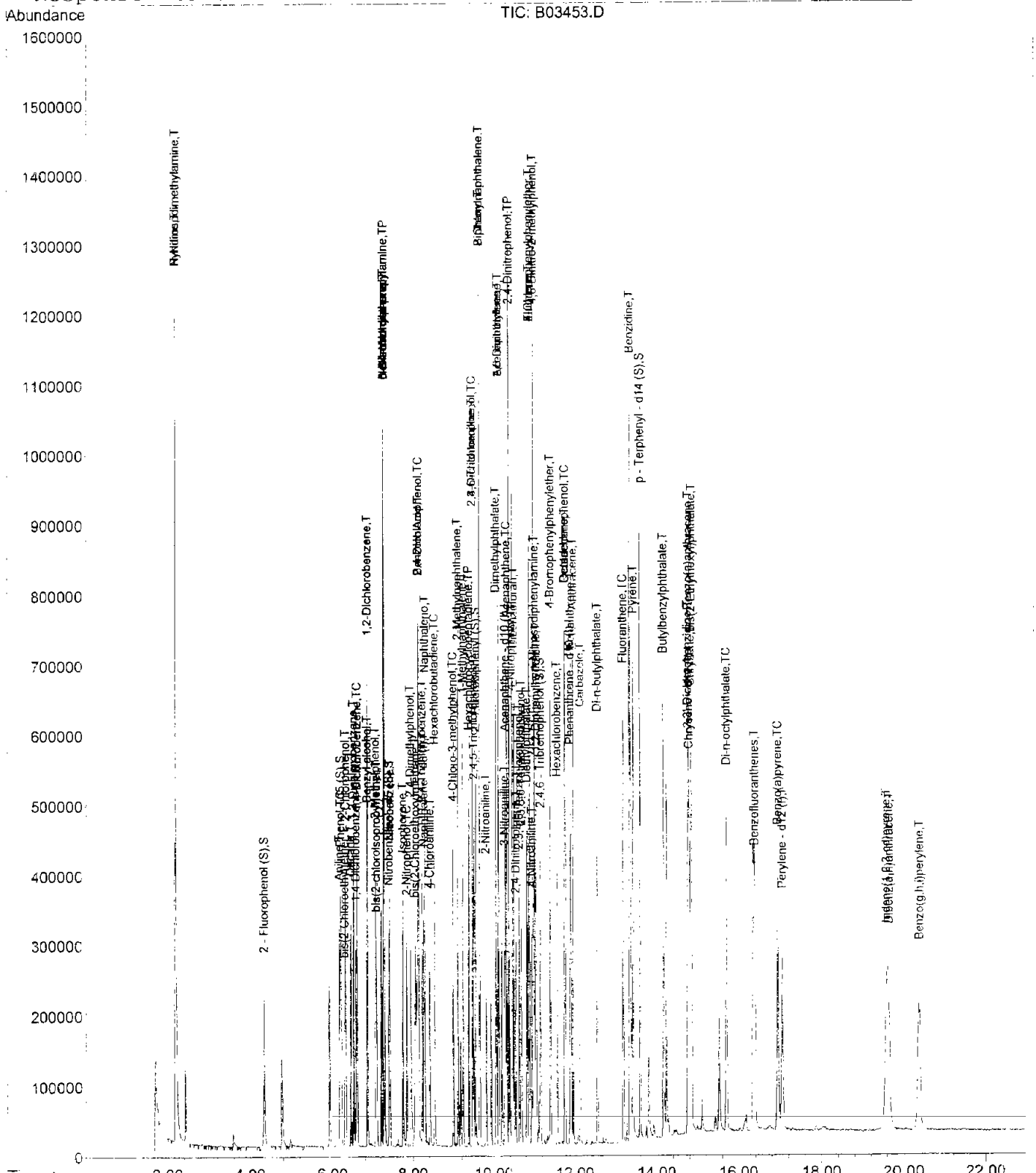
Quantitation Report (RTE Integrator)

Data File : U:\DATA\111504\B03453.D
Acq On : 15 Nov 2004 18:59
Sample : 2000 UG/L 8270 ICAL STD NO 1281-1-8
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:25 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



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	ul/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	159026	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	2439.06	ug/L		98
16) bis(2-chloroisopropyl)ethe	7.10	45	133415	2359.34	ug/L		36
17) 3-&4-Methylphenol	7.29	108	211344	5227.59	ug/L		92
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	ul/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	#	73
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
B03454.D 111604.M Wed Nov 17 09:28:36 2004 Page 1

00465

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	26
57)	Fluorene	10.88	166	352955	2912.30 ug/L	65
58)	4-Chlorophenylphenylether	10.88	204	152345	2297.29 ug/L	92
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	80
62)	n-Nitrosodiphenylamine	11.02	169	226928	2714.32 ug/L	71
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	85
86)	Benzo(a)pyrene	16.95	252	446178	2621.03 ug/L	100
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

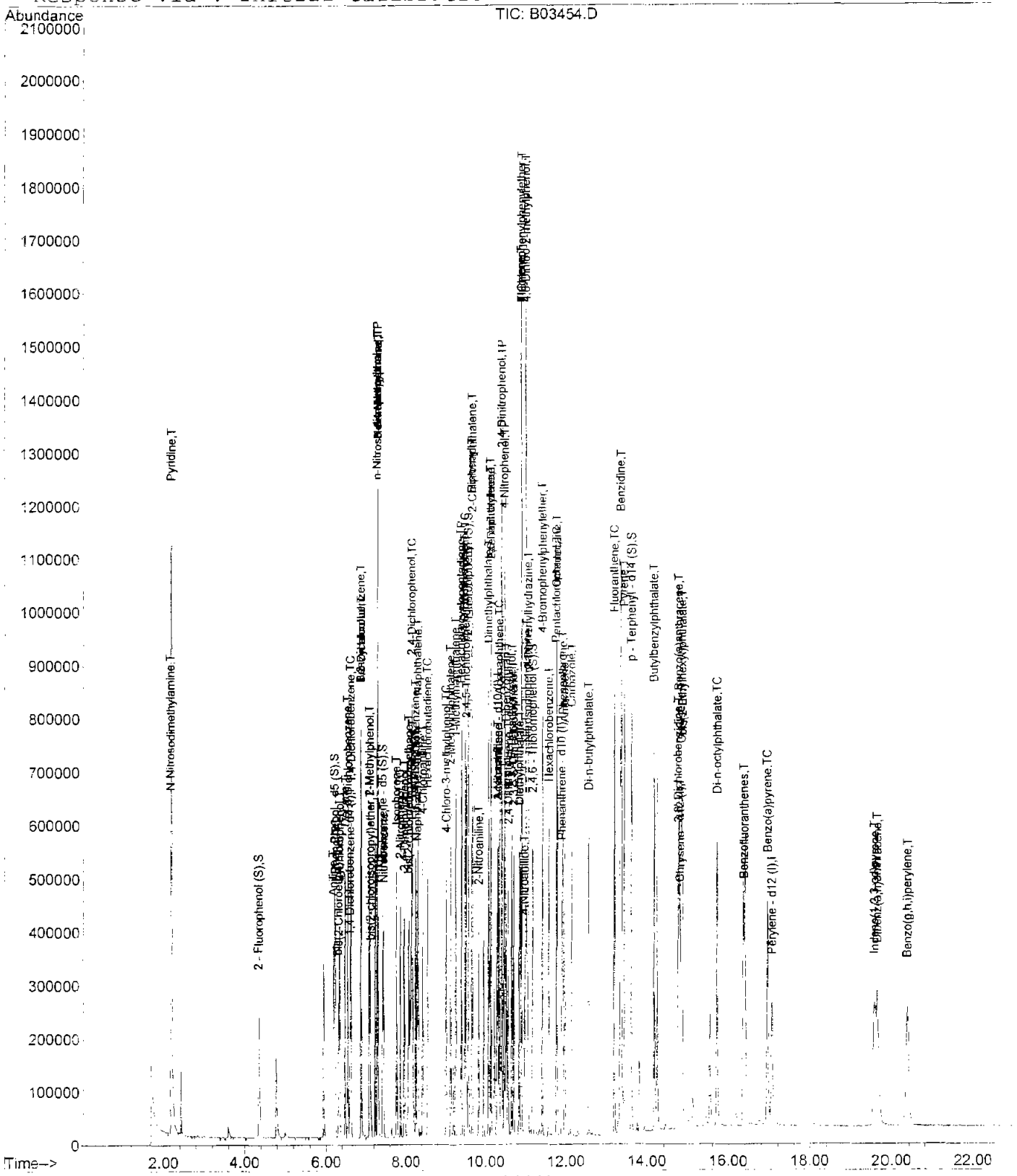
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : U:\DATA\111504\B03454.D
Acq On : 15 Nov 2004 19:28
Sample : 2500 UG/L 8270 ICAL STD NO 1281-1-9
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:25 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



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+	4677.39	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	1081.66	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	958.12	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	73
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	985.75	ug/L	83
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	987.72	ug/L	98
29) 1,2,4-Trichlorobenzene	8.23	180	35147	950.28	ug/L	100
30) Naphthalene	8.30	128	137458	963.92	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	99
33) 4-Chloro-3-methylphenol	8.99	107	68617+	955.67	ug/L	97
34) 2-Methylnaphthalene	9.11	141	64980	980.74	ug/L	90
35) 1-Methylnaphthalene	9.23	141	68220	1013.41	ul/l	88
37) Hexachlorocyclopentadiene	9.38	237	45694	870.35	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	76
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

31142

00468

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	ul/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-Bromophenylphenylether	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	169360	2080.28	ug/L		100
78)	Butylbenzylphthalate	14.16	149	85437	1074.16	ug/L		89
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

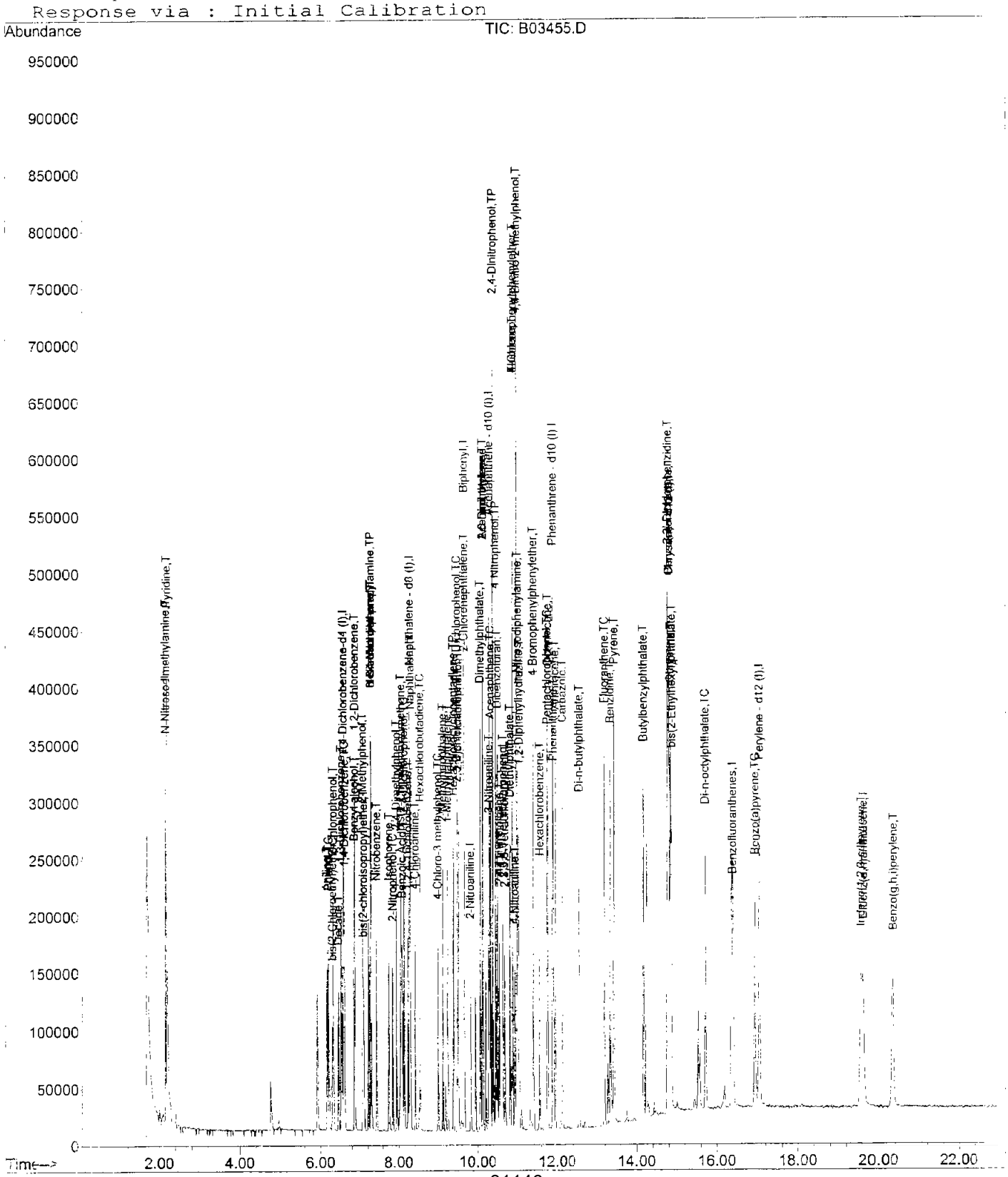
Quantitation Report (Not Reviewed)

Data File : U:\DATA\111504\B03455.D
Acq On : 15 Nov 2004 19:56
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:28 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



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	0.908#	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

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	-0.01
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	98	-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

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	98	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	0.02
46	T	Acenaphthylene	1000.000	948.097	5.2	87	0.02
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	0.00
49	TC	Acenaphthene	1000.000	1111.687	-11.2	102	0.02
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

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)
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

CONTINUING CALIBRATION

00475

Sequence Log

Directory : u:\DATA\112304

#	Filename	Sample Name	Date/Time
1	b03520.d	DFTPP 11/23/04	11/23/04 09:09
2	b03521.d	1000 UG/L 8270 CCAL STD NO 1281-1-6	11/23/04 09:25
3	b03522.d	SW1034 MB #1000 &1.0 WATER	11/23/04 10:02
4	b03523.d	SW1034 BS #1000 &1.0 WATER	11/23/04 10:30
5	b03524.d	SW1034 BSD #1000 &1.0 WATER	11/23/04 10:58
6	b03525.d	124993-11 MS SW1034 &1.0 WATER	11/23/04 11:26
7	b03526.d	124993-11 MSD SW1034 &1.0 WATER	11/23/04 11:54
8	b03527.d	124993-11A MS SW1034 &1.0 WATER	11/23/04 12:22
9	b03528.d	124993-11A MSD SW1034 &1.0 WATER	11/23/04 12:50
10	b03529.d	124945-1 SW1034 &1.0 WATER	11/23/04 13:18
11	b03530.d	124945-1A SW1034 &1.0 WATER	11/23/04 13:46

00476

Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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: Nov 24 12:08:11 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 24 12:08:04 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.61	152	48118	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.30	136	196020	1000.00	ug/L		0.00
36) Acenaphthene - d10 (I)	10.30	162	119372	1000.00	ug/L		0.00
60) Phenanthrene - d10 (I)	11.89	188	179803	1000.00	ug/L		0.00
77) Chrysene - d12 (I)	14.82	240	271128+	1000.00	ul/l		0.00
83) Perylene - d12 (I)	17.08	264	306789+	1000.00	ug/L		0.00
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.39	112	43511	856.00	ug/L		0.04
6) Phenol - d5 (S)	6.23	99	54523	908.99	ug/L		0.01
21) Nitrobenzene - d5 (S)	7.43	82	52681	976.29	ug/L		-0.02
41) 2 - Fluorobiphenyl (S)	9.57	172	92674	1008.28	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	11.16	330	32628	951.62	ug/L		0.00
76) p - Terphenyl - d14 (S)	13.61	244	149615	974.93	ug/L		0.00
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	2.17	42	59856	3807.98	ug/L		59
3) Pyridine	2.19	79	308204+	4108.92	ug/L		95
5) Aniline	6.19	93	64208	1014.41	ug/L		100
7) Phenol	6.25	94	56611	892.92	ug/L		100
8) bis(2-Chloroethyl)ether	6.32	63	65815	981.04	ug/L		96
9) 2-Chlorophenol	6.35	128	53752	896.10	ug/L		93
10) Decane	6.48	57	33382	1148.49	ug/L		89
11) 1,3-Dichlorobenzene	6.55	146	49436	935.47	ug/L		90
12) 1,4-Dichlorobenzene	6.63	146	52615	922.61	ug/L		84
13) Benzyl alcohol	6.88	79	66195	913.11	ug/L		96
14) 1,2-Dichlorobenzene	6.90	146	44329	957.71	ug/L		77
15) 2-Methylphenol	7.10	108	35301	858.68	ug/L		88
16) bis(2-chloroisopropyl)ethe	7.11	45	64058	959.92	ug/L		41
17) 3-&4-Methylphenol	7.31	108	87140	1920.24	ug/L	#	77
18) n-Nitroso-di-n-propylamine	7.30	70	39760	1032.94	ug/L		93
19) Hexachloroethane	7.32	117	26782	844.55	ug/L		89
22) Nitrobenzene	7.45	77	48337	1045.00	ug/L		73
23) Isophorone	7.76	82	75476	1024.59	ug/L		100
24) 2-Nitrophenol	7.87	139	21180	974.94	ug/L		100
25) 2,4-Dimethylphenol	7.96	107	39255	826.43	ug/L		94
26) bis(2-Chloroethoxy)methane	8.07	93	33602	1078.68	ug/L	#	20
27) Benzoic Acid	8.12	105	117988	4540.13	ug/L		100
28) 2,4-Dichlorophenol	8.16	162	41102	932.41	ug/L		97
29) 1,2,4-Trichlorobenzene	8.25	180	40302	1030.72	ug/L		100
30) Naphthalene	8.32	128	153202	1008.96	ug/L		94
31) 4-Chloroaniline	8.43	127	54284	1130.03	ug/L		100
32) Hexachlorobutadiene	8.56	225	24004	839.06	ug/L		94
33) 4-Chloro-3-methylphenol	9.02	107	75262+	976.43	ug/L		100
34) 2-Methylnaphthalene	9.13	141	73171	1048.14	ug/L		46
35) 1-Methylnaphthalene	9.25	141	69250	962.44	ul/l		47
37) Hexachlorocyclopentadiene	9.39	237	51007	912.51	ug/L		94
38) 2,3-Dichloroaniline	9.49	161	57131	1034.36	ug/L		93
39) 2,4,6-Trichlorophenol	9.49	196	19988	864.98	ug/L	#	72
40) 2,4,5-Trichlorophenol	9.53	196	31322	1045.75	ug/L		94
42) 2-Chloronaphthalene	9.67	162	68898	1018.70	ug/L		72
43) Biphenyl	9.67	154	118154	974.34	ug/L		94
44) 2-Nitroaniline	9.83	138	24530	1043.72	ug/L		63
45) Dimethylphthalate	10.06	163	116426	1044.42	ug/L		100

(#) = qualifier out of range (m) = manual integration

31160
00477

Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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: Nov 24 12:08:11 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 24 12:08:04 2004
Response via : Initial Calibration
DataAcq Meth :

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Acenaphthylene	10.14	152	140103	950.31	ug/L		97
47)	2,6-Dinitrotoluene	10.13	165	18785	1030.14	ug/L		92
48)	3-Nitroaniline	10.28	138	18690	997.16	ug/L	#	36
49)	Acenaphthene	10.34	153	91146	927.52	ug/L		100
50)	2,4-Dinitrophenol	10.39	184	105580+	5156.01	ug/L		86
51)	4-Nitrophenol	10.47	109	59980	5176.52	ug/L		73
52)	Dibenzofuran	10.51	168	102365	1007.66	ug/L		82
53)	2,4-Dinitrotoluene	10.55	165	29378	1048.11	ug/L		80
54)	2,3,4,6-Tetrachlorophenol	10.65	232	27336	931.25	ug/L		98
55)	2,3,5,6-Tetrachlorophenol	10.69	232	28997	975.10	ul/l		95
56)	Diethylphthalate	10.83	149	86683	1088.71	ug/L		84
57)	Fluorene	10.88	166	112896	1061.69	ug/L		76
58)	4-Chlorophenylphenylether	10.88	204	57994	982.99	ug/L		100
59)	4-Nitroaniline	10.94	138	17285	1068.33	ug/L		79
61)	4,6-Dinitro-2-methylphenol	10.99	198	133003	5058.33	ug/L		94
62)	n-Nitrosodiphenylamine	11.02	169	83087	1032.85	ug/L		75
64)	1,2-Diphenylhydrazine	11.05	182	28690	992.45	ug/L		75
65)	4-Bromophenylphenylether	11.40	248	53081	1070.96	ug/L		90
66)	Hexachlorobenzene	11.56	284	42005	1014.11	ug/L		98
67)	Pentachlorophenol	11.75	266	24790	851.11	ug/L		100
68)	Phenanthrene	11.91	178	135370	1024.27	ug/L		99
69)	Anthracene	11.96	178	138570	983.23	ug/L		95
70)	Octadecane	11.76	57	49733	1046.48	ug/L		85
71)	Carbazole	12.13	167	127460	1039.58	ug/L		100
72)	Di-n-butylphthalate	12.55	149	168586	1126.34	ug/L		96
73)	Fluoranthene	13.19	202	181310	1030.98	ug/L		86
74)	Pyrene	13.44	202	172980	967.11	ug/L		80
75)	Benzidine	13.33	184	309162	3389.65	ug/L		100
78)	Butylbenzylphthalate	14.18	149	96937	1221.42	ug/L		86
79)	Benzo(a)anthracene	14.80	228	182435	1032.04	ug/L		80
80)	3,3'-Dichlorobenzidine	14.78	252	77840	1162.08	ug/L		97
81)	Chrysene	14.86	228	165333	1036.27	ug/L		80
82)	bis(2-Ethylhexyl)phthalate	14.87	149	132980	1037.51	ug/L		97
84)	Di-n-octylphthalate	15.72	149	245977	1046.02	ug/L		100
85)	Benzofluoranthenes	16.41	252	370425	1944.69	ug/L		100
86)	Benzo(a)pyrene	16.97	252	177524	989.93	ug/L		100
87)	Indeno(1,2,3-cd)pyrene	19.59	276	144058	719.74	ug/L		62
88)	Dibenz(a,h)anthracene	19.65	278	189267	1004.64	ug/L		88
89)	Benzo(g,h,i)perylene	20.34	276	186061	1014.42	ug/L		97

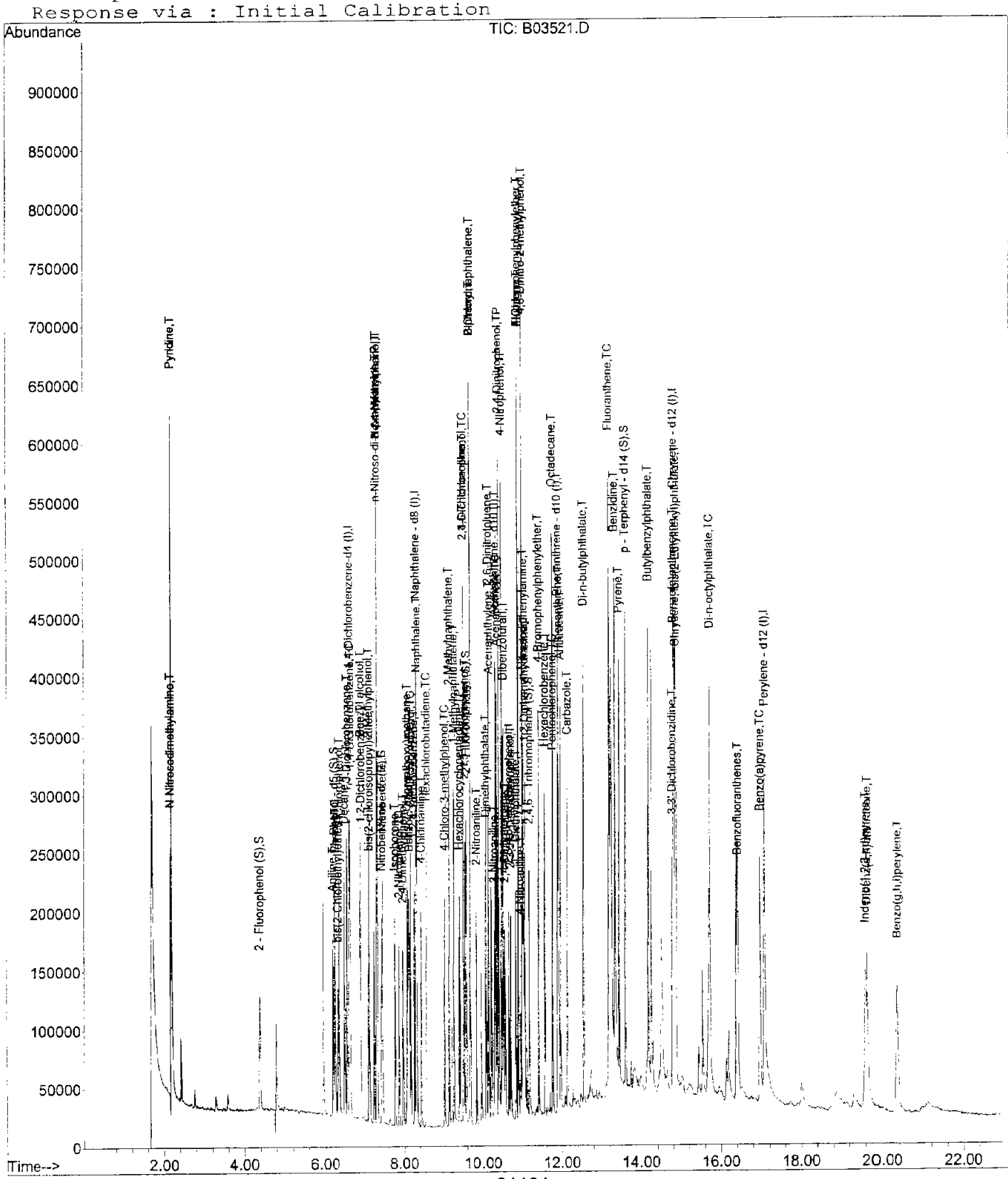
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : U:\DATA\112304\B03521.D
Acq On : 23 Nov 2004 9:25
Sample : 1000 UG/L 8270 CCAL STD NO 1281-1-6
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 12:08 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 24 12:08:04 2004
Response via : Initial Calibration



Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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 : Wed Nov 24 12:08:04 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	109	0.00
2	T	N-Nitrosodimethylamine	0.327	0.249#	23.9#	93	-0.03
3	T	Pyridine	1.559	1.281#	17.8	83	-0.02
4	S	2 - Fluorophenol (S)	1.056	0.904#	14.4	91	0.04
5	T	Aniline	1.315	1.334#	-1.4	105	-0.01
6	S	Phenol - d5 (S)	1.247	1.133#	9.1	91	0.01
7	TC	Phenol	1.318	1.177#	10.7	85	0.01
8	T	bis(2-Chloroethyl)ether	1.394	1.368#	1.9	106	0.00
9	T	2-Chlorophenol	1.247	1.117#	10.4	97	0.00
10	T	Decane	0.604	0.694#	-14.9	96	0.00
11	T	1,3-Dichlorobenzene	1.098	1.027#	6.5	101	0.00
12	TC	1,4-Dichlorobenzene	1.185	1.093#	7.8	95	-0.01
13	T	Benzyl alcohol	1.507	1.376#	8.7	100	0.00
14	T	1,2-Dichlorobenzene	0.962	0.921#	4.3	95	-0.04
15	T	2-Methylphenol	0.854	0.734#	14.1	88	-0.05
16	T	bis(2-chloroisopropyl)ether	1.387	1.331#	4.0	101	0.00
17	T	3-&4-Methylphenol	0.943	0.905#	4.0	102	0.00
18	TP	n-Nitroso-di-n-propylamine	0.800	0.826	-3.2	107	-0.02
19	T	Hexachloroethane	0.659	0.557#	15.5	95	-0.04
20	I	Naphthalene - d8 (I)	1.000	1.000	0.0	93	0.00
21	S	Nitrobenzene - d5 (S)	0.275	0.269#	2.2	98	-0.02
22	T	Nitrobenzene	0.236	0.247#	-4.7	100	0.00
23	T	Isophorone	0.376	0.385#	-2.4	103	0.00
24	TC	2-Nitrophenol	0.111	0.108#	2.7	96	0.03
25	T	2,4-Dimethylphenol	0.242	0.200#	17.4	81	-0.02
26	T	bis(2-Chloroethoxy)methane	0.159	0.171#	-7.5	107	-0.01
27	T	Benzoic Acid	0.133	0.120#	9.8	85	-0.09
28	TC	2,4-Dichlorophenol	0.225	0.210#	6.7	98	0.00
29	T	1,2,4-Trichlorobenzene	0.199	0.206#	-3.5	94	0.00
30	T	Naphthalene	0.775	0.782#	-0.9	96	0.00
31	T	4-Chloroaniline	0.245	0.277#	-13.1	100	0.00
32	TC	Hexachlorobutadiene	0.146	0.122#	16.4	80	0.00
33	TC	4-Chloro-3-methylphenol	0.393	0.384#	2.3	97	-0.05
34	T	2-Methylnaphthalene	0.356	0.373#	-4.8	101	0.00
35	T	1-Methylnaphthalene	0.367	0.353#	3.8	103	-0.02
36	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	90	0.00
37	TP	Hexachlorocyclopentadiene	0.468	0.427	8.8	92	0.00
38	T	2,3-Dichloroaniline	0.463	0.479#	-3.5	94	0.00
39	TC	2,4,6-Trichlorophenol	0.194	0.167#	13.9	83	0.00
40	T	2,4,5-Trichlorophenol	0.251	0.262#	-4.4	104	0.00
41	S	2 - Fluorobiphenyl (S)	0.770	0.776#	-0.8	96	0.00
42	T	2-Chloronaphthalene	0.567	0.577#	-1.8	95	-0.02
43	T	Biphenyl	1.016	0.990#	2.6	98	0.00
44	T	2-Nitroaniline	0.197	0.205#	-4.1	102	0.00
45	T	Dimethylphthalate	0.934	0.975#	-4.4	101	0.00
46	T	Acenaphthylene	1.235	1.174#	4.9	92	0.02
47	T	2,6-Dinitrotoluene	0.153	0.157#	-2.6	109	0.00
48	T	3-Nitroaniline	0.157	0.157#	0.0	94	0.00
49	TC	Acenaphthene	0.823	0.764#	7.2	90	0.02
50	TP	2,4-Dinitrophenol	0.172	0.177	-2.9	105	0.00
51	TP	4-Nitrophenol	0.097	0.100	-3.1	116	0.00

(#) = Out of Range

Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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 : Wed Nov 24 12:08:04 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	0.858#	-0.8	95	0.00
53	T	2,4-Dinitrotoluene	0.235	0.246#	-4.7	101	0.00
54	T	2,3,4,6-Tetrachlorophenol	0.246	0.229#	6.9	90	0.01
55	T	2,3,5,6-Tetrachlorophenol	0.249	0.243#	2.4	84	0.00
56	T	Diethylphthalate	0.667	0.726#	-8.8	106	0.01
57	T	Fluorene	0.891	0.946#	-6.2	108	-0.02
58	T	4-Chlorophenylphenylether	0.494	0.486#	1.6	97	-0.02
59	T	4-Nitroaniline	0.136	0.145#	-6.6	95	-0.01
60	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	98	0.00
61	T	4,6-Dinitro-2-methylphenol	0.146	0.148#	-1.4	98	0.00
62	T	n-Nitrosodiphenylamine	0.447	0.462#	-3.4	106	0.00
63	S	2,4,6 - Tribromophenol (S)	0.191	0.181#	5.2	97	0.00
64	T	1,2-Diphenylhydrazine	0.161	0.160#	0.6	95	-0.01
65	T	4-Bromophenylphenylether	0.276	0.295#	-6.9	112	-0.01
66	T	Hexachlorobenzene	0.230	0.234#	-1.7	103	-0.02
67	TC	Pentachlorophenol	0.162	0.138#	14.8	87	-0.02
68	T	Phenanthrene	0.735	0.753#	-2.4	104	-0.01
69	T	Anthracene	0.784	0.771#	1.7	95	0.00
70	T	Octadecane	0.264	0.277#	-4.9	94	0.04
71	T	Carbazole	0.682	0.709#	-4.0	106	-0.04
72	T	Di-n-butylphthalate	0.832	0.938#	-12.7	115	0.02
73	TC	Fluoranthene	0.978	1.008#	-3.1	105	-0.05
74	T	Pyrene	0.995	0.962#	3.3	99	-0.05
75	T	Benzidine	0.507	0.344#	32.1#	64	0.00
76	S	p - Terphenyl - d14 (S)	0.853	0.832#	2.5	101	0.00
77	I	Chrysene - d12 (I)	1.000	1.000	0.0	89	0.00
78	T	Butylbenzylphthalate	0.293	0.358#	-22.2#	119	0.02
79	T	Benzo(a)anthracene	0.652	0.673#	-3.2	96	0.00
80	T	3,3'-Dichlorobenzidine	0.247	0.287#	-16.2	102	0.00
81	T	Chrysene	0.588	0.610#	-3.7	94	0.00
82	T	bis(2-Ethylhexyl)phthalate	0.473	0.490#	-3.6	89	0.01
83	I	Perylene - d12 (I)	1.000	1.000	0.0	94	0.00
84	TC	Di-n-octylphthalate	0.767	0.802#	-4.6	102	0.00
85	T	Benzofluoranthenes	0.621	0.604#	2.7	96	0.00
86	TC	Benzo(a)pyrene	0.585	0.579#	1.0	96	0.00
87	T	Indeno(1,2,3-cd)pyrene	0.652	0.470#	27.9#	72	-0.11
88	T	Dibenz(a,h)anthracene	0.614	0.617#	-0.5	94	0.12
89	T	Benzo(g,h,i)perylene	0.598	0.606#	-1.3	94	0.00

Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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 : Wed Nov 24 12:08:04 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	109	0.00
2	T	N-Nitrosodimethylamine	5000.000	3807.977	23.8#	93	-0.03
3	T	Pyridine	5000.000	4108.916	17.8	83	-0.02
4	S	2 - Fluorophenol (S)	1000.000	856.005	14.4	91	0.04
5	T	Aniline	1000.000	1014.406	-1.4	105	-0.01
6	S	Phenol - d5 (S)	1000.000	908.993	9.1	91	0.01
7	TC	Phenol	1000.000	892.921	10.7	85	0.01
8	T	bis(2-Chloroethyl)ether	1000.000	981.041	1.9	106	0.00
9	T	2-Chlorophenol	1000.000	896.104	10.4	97	0.00
10	T	Decane	1000.000	1148.493	-14.8	96	0.00
11	T	1,3-Dichlorobenzene	1000.000	935.469	6.5	101	0.00
12	TC	1,4-Dichlorobenzene	1000.000	922.606	7.7	95	-0.01
13	T	Benzyl alcohol	1000.000	913.108	8.7	100	0.00
14	T	1,2-Dichlorobenzene	1000.000	957.710	4.2	95	-0.04
15	T	2-Methylphenol	1000.000	858.678	14.1	88	-0.05
16	T	bis(2-chloroisopropyl)ether	1000.000	959.921	4.0	101	0.00
17	T	3-&4-Methylphenol	2000.000	1920.236	4.0	102	0.00
18	TP	n-Nitroso-di-n-propylamine	1000.000	1032.945	-3.3	107	-0.02
19	T	Hexachloroethane	1000.000	844.548	15.5	95	-0.04
20	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	93	0.00
21	S	Nitrobenzene - d5 (S)	1000.000	976.291	2.4	98	-0.02
22	T	Nitrobenzene	1000.000	1045.004	-4.5	100	0.00
23	T	Isophorone	1000.000	1024.592	-2.5	103	0.00
24	TC	2-Nitrophenol	1000.000	974.943	2.5	96	0.03
25	T	2,4-Dimethylphenol	1000.000	826.428	17.4	81	-0.02
26	T	bis(2-Chloroethoxy)methane	1000.000	1078.684	-7.9	107	-0.01
27	T	Benzoic Acid	5000.000	4540.128	9.2	85	-0.09
28	TC	2,4-Dichlorophenol	1000.000	932.413	6.8	98	0.00
29	T	1,2,4-Trichlorobenzene	1000.000	1030.716	-3.1	94	0.00
30	T	Naphthalene	1000.000	1008.960	-0.9	96	0.00
31	T	4-Chloroaniline	1000.000	1130.031	-13.0	100	0.00
32	TC	Hexachlorobutadiene	1000.000	839.061	16.1	80	0.00
33	TC	4-Chloro-3-methylphenol	1000.000	976.429	2.4	97	-0.05
34	T	2-Methylnaphthalene	1000.000	1048.137	-4.8	101	0.00
35	T	1-Methylnaphthalene	1000.000	962.436	3.8	103	-0.02
36	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	90	0.00
37	TP	Hexachlorocyclopentadiene	1000.000	912.513	8.7	92	0.00
38	T	2,3-Dichloroaniline	1000.000	1034.364	-3.4	94	0.00
39	TC	2,4,6-Trichlorophenol	1000.000	864.977	13.5	83	0.00
40	T	2,4,5-Trichlorophenol	1000.000	1045.752	-4.6	104	0.00
41	S	2 - Fluorobiphenyl (S)	1000.000	1008.280	-0.8	96	0.00
42	T	2-Chloronaphthalene	1000.000	1018.695	-1.9	95	-0.02
43	T	Biphenyl	1000.000	974.339	2.6	98	0.00
44	T	2-Nitroaniline	1000.000	1043.720	-4.4	102	0.00
45	T	Dimethylphthalate	1000.000	1044.422	-4.4	101	0.00
46	T	Acenaphthylene	1000.000	950.306	5.0	92	0.02
47	T	2,6-Dinitrotoluene	1000.000	1030.135	-3.0	109	0.00
48	T	3-Nitroaniline	1000.000	997.161	0.3	94	0.00
49	TC	Acenaphthene	1000.000	927.516	7.2	90	0.02
50	TP	2,4-Dinitrophenol	5000.000	5156.007	-3.1	105	0.00
51	TP	4-Nitrophenol	5000.000	5176.517	-3.5	116	0.00

(#) = Out of Range

Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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 : Wed Nov 24 12:08:04 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	1007.659	-0.8	95	0.00
53	T	2,4-Dinitrotoluene	1000.000	1048.114	-4.8	101	0.00
54	T	2,3,4,6-Tetrachlorophenol	1000.000	931.247	6.9	90	0.01
55	T	2,3,5,6-Tetrachlorophenol	1000.000	975.096	2.5	84	0.00
56	T	Diethylphthalate	1000.000	1088.707	-8.9	106	0.01
57	T	Fluorene	1000.000	1061.695	-6.2	108	-0.02
58	T	4-Chlorophenylphenylether	1000.000	982.989	1.7	97	-0.02
59	T	4-Nitroaniline	1000.000	1068.334	-6.8	95	-0.01
60	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	98	0.00
61	T	4,6-Dinitro-2-methylphenol	5000.000	5058.335	-1.2	98	0.00
62	T	n-Nitrosodiphenylamine	1000.000	1032.852	-3.3	106	0.00
63	S	2,4,6 - Tribromophenol (S)	1000.000	951.624	4.8	97	0.00
64	T	1,2-Diphenylhydrazine	1000.000	992.446	0.8	95	-0.01
65	T	4-Bromophenylphenylether	1000.000	1070.958	-7.1	112	-0.01
66	T	Hexachlorobenzene	1000.000	1014.114	-1.4	103	-0.02
67	TC	Pentachlorophenol	1000.000	851.110	14.9	87	-0.02
68	T	Phenanthrene	1000.000	1024.274	-2.4	104	-0.01
69	T	Anthracene	1000.000	983.233	1.7	95	0.00
70	T	Octadecane	1000.000	1046.479	-4.6	94	0.04
71	T	Carbazole	1000.000	1039.576	-4.0	106	-0.04
72	T	Di-n-butylphthalate	1000.000	1126.336	-12.6	115	0.02
73	TC	Fluoranthene	1000.000	1030.983	-3.1	105	-0.05
74	T	Pyrene	1000.000	967.112	3.3	99	-0.05
75	T	Benzidine	5000.000	3389.651	32.2#	64	0.00
76	S	p - Terphenyl - d14 (S)	1000.000	974.935	2.5	101	0.00
77	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	89	0.00
78	T	Butylbenzylphthalate	1000.000	1221.420	-22.1#	119	0.02
79	T	Benzo(a)anthracene	1000.000	1032.041	-3.2	96	0.00
80	T	3,3'-Dichlorobenzidine	1000.000	1162.082	-16.2	102	0.00
81	T	Chrysene	1000.000	1036.268	-3.6	94	0.00
82	T	bis(2-Ethylhexyl)phthalate	1000.000	1037.513	-3.8	89	0.01
83	I	Perylene - d12 (I)	1000.000	1000.000	0.0	94	0.00
84	TC	Di-n-octylphthalate	1000.000	1046.015	-4.6	102	0.00
85	T	Benzofluoranthenes	2000.000	1944.688	2.8	96	0.00
86	TC	Benzo(a)pyrene	1000.000	989.932	1.0	96	0.00
87	T	Indeno(1,2,3-cd)pyrene	1000.000	719.743	28.0#	72	-0.11
88	T	Dibenz(a,h)anthracene	1000.000	1004.639	-0.5	94	0.12
89	T	Benzo(g,h,i)perylene	1000.000	1014.416	-1.4	94	0.00

Sequence Log

Directory : w:\112404

#	Filename	Sample Name	Date/Time
1	a08260.d	DFTPP 11/24/04	11/24/04 10:46
2	a08261.d	1000 UG/L 8270 CCAL STD NO 1281-1-6	11/24/04 11:00
3	a08262.d	SW1037 MB #1000 &10 WATER	11/24/04 11:26
4	a08263.d	SW1037 BS #1000 &10 WATER	11/24/04 11:53
5	a08264.d	SW1037 BSD #1000 &10 WATER	11/24/04 12:19
6	a08265.d	125027-8 SW1037 &10 WATER	11/24/04 12:46
7	a08266.d	124758-4 SW1032 &10 TCLP 1:100	11/24/04 13:13
8	a08267.d	124758-4 DUP SW1032 &10 TCLP 1:100	11/24/04 13:39
9	a08268.d	SS1281 MB #20.0000 &2.0 SOIL	11/24/04 14:12
10	a08269.d	SS1281 BS #20.0000 &2.0 SOIL	11/24/04 15:21
11	a08270.d	SS1281 BSD #20.0000 &2.0 SOIL	11/24/04 15:48
12	a08271.d	124993-7 MS SS1281 &2.0 SOIL	11/24/04 16:15
13	a08272.d	124993-7 MSD SS1281 &2.0 SOIL	11/24/04 16:41
14	a08273.d	124993-20 MS SS1281 &2.0 SOIL	11/24/04 17:08
15	a08274.d	124993-20 MSD SS1281 &2.0 SOIL	11/24/04 17:35
16	a08275.d	124993-2 SS1281 &2.0 SOIL	11/24/04 18:01
17	a08276.d	124993-3 SS1281 &2.0 SOIL	11/24/04 18:28
18	a08277.d	124993-4 SS1281 &2.0 SOIL	11/24/04 18:55
19	a08278.d	124993-6 SS1281 &2.0 SOIL	11/24/04 19:21
20	a08279.d	124993-7 SS1281 &2.0 SOIL	11/24/04 19:48
21	a08280.d	124993-17 SS1281 &2.0 SOIL	11/24/04 20:14
22	a08281.d	124993-18 SS1281 &2.0 SOIL	11/24/04 20:41
23	a08282.d	124993-19 SS1281 &2.0 SOIL	11/24/04 21:08
24	a08283.d	124993-20 SS1281 &2.0 SOIL	11/24/04 21:34
25	a08284.d	124852-2 SS1281 &2.0 SOIL	11/24/04 22:01
26	a08285.d	124945-3 SS1281 &2.0 SOIL	11/24/04 22:27

00484

Quantitation Report (Not Reviewed)

Data File : W:\112404\A08261.D Vial: 0
Acq On : 24 Nov 2004 11:00 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: Nov 29 09:41:29 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 09:41:25 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.01	152	72800	1000.00	ug/L		0.00
22) Naphthalene - d8 (I)	7.53	136	299186	1000.00	ug/L		0.00
38) Acenaphthene - d10 (I)	9.50	162	183702	1000.00	ug/L		0.00
62) Phenanthrene - d10 (I)	11.09	188	242799	1000.00	ug/L		0.00
79) Chrysene - d12 (I)	14.13	240	448743	1000.00	ul/l		0.00
85) Perylene - d12 (I)	16.82	264	548982	1000.00	ug/L		0.00
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.44	112	61900	1065.47	ug/L		0.00
7) Phenol - d5 (S)	5.67	99	72605	1149.96	ug/L		0.00
23) Nitrobenzene - d5 (S)	6.72	82	65714	867.02	ug/L		0.03
43) 2 - Fluorobiphenyl (S)	8.75	172	146944	1051.96	ug/L		0.00
65) 2,4,6 - Tribromophenol (S)	10.36	330	30044	1047.65	ug/L		-0.01
78) p - Terphenyl - d14 (S)	12.79	244	209172	1208.43	ug/L		-0.01
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	2.63	74	130684	6183.06	ug/L		100
3) Pyridine	2.63	79	541312+	5546.47	ug/L		99
5) Cyclohexanone	4.69	55	37302	1385.60	ug/L		97
6) Aniline	5.67	93	82596	1175.84	ug/L		100
8) Phenol	5.68	94	71271	1017.86	ug/L	#	1
9) bis(2-Chloroethyl)ether	5.74	63	72879	1174.79	ug/L		100
10) 2-Chlorophenol	5.80	128	60690	902.00	ug/L		53
11) Decane	5.85	57	68916	1041.85	ug/L		95
12) 1,3-Dichlorobenzene	5.96	146	76496	942.64	ug/L		91
13) 1,4-Dichlorobenzene	6.02	146	82916	1045.28	ug/L		87
14) Benzyl alcohol	6.22	79	87862	1180.14	ug/L		95
15) 1,2-Dichlorobenzene	6.26	146	80281	1001.20	ug/L		71
16) 2-Methylphenol	6.40	108	49580	978.93	ug/L	#	58
17) bis(2-chloroisopropyl)ethe	6.41	121	10465	1296.34	ug/L		100
18) 3-&4-Methylphenol	6.57	108	114085	2433.27	ug/L	#	69
19) n-Nitroso-di-n-propylamine	6.57	70	50083	1149.12	ug/L		88
20) Acetophenone	6.54	105	140591	1014.55	ug/L		57
21) Hexachloroethane	6.63	166	18184	996.76	ug/L	#	54
24) Nitrobenzene	6.74	77	74595	970.42	ug/L		98
25) Isophorone	7.01	82	132015	1027.12	ug/L		89
26) 2-Nitrophenol	7.12	139	38842	929.27	ug/L		93
27) 2,4-Dimethylphenol	7.18	107	77612	773.37	ug/L		96
28) bis(2-Chloroethoxy)methane	7.28	93	73870	919.84	ug/L		78
29) Benzoic Acid	7.30	105	249005	4747.16	ug/L		100
30) 2,4-Dichlorophenol	7.40	162	61377	1035.17	ug/L		89
31) 1,2,4-Trichlorobenzene	7.48	180	65686	921.06	ug/L		93
32) Naphthalene	7.55	128	208694	895.38	ug/L		94
33) 4-Chloroaniline	7.64	127	73460	1042.68	ug/L		87
34) Hexachlorobutadiene	7.76	225	51361	907.36	ug/L		86
35) 4-Chloro-3-methylphenol	8.20	107	93274	1030.30	ug/L		85
36) 2-Methylnaphthalene	8.33	141	157391	1120.85	ug/L		100
37) 1-Methylnaphthalene	8.45	141	150842	995.32	ul/l		94
39) Hexachlorocyclopentadiene	8.58	237	49169	988.45	ug/L		85
40) 2,3-Dichloroaniline	8.68	161	70561	909.07	ug/L		97
41) 2,4,6-Trichlorophenol	8.68	196	39312	1059.77	ug/L		80
42) 2,4,5-Trichlorophenol	8.73	196	39646	957.31	ug/L		91
44) 2-Chloronaphthalene	8.87	162	129504	1007.07	ug/L		70
45) Biphenyl	8.85	154	153369	997.68	ug/L		73

(#) = qualifier out of range (m) = manual integration

31176

00485

Data File : W:\112404\A08261.D Vial: 0
Acq On : 24 Nov 2004 11:00 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: Nov 29 09:41:29 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 09:41:25 2004
Response via : Initial Calibration
DataAcq Meth :

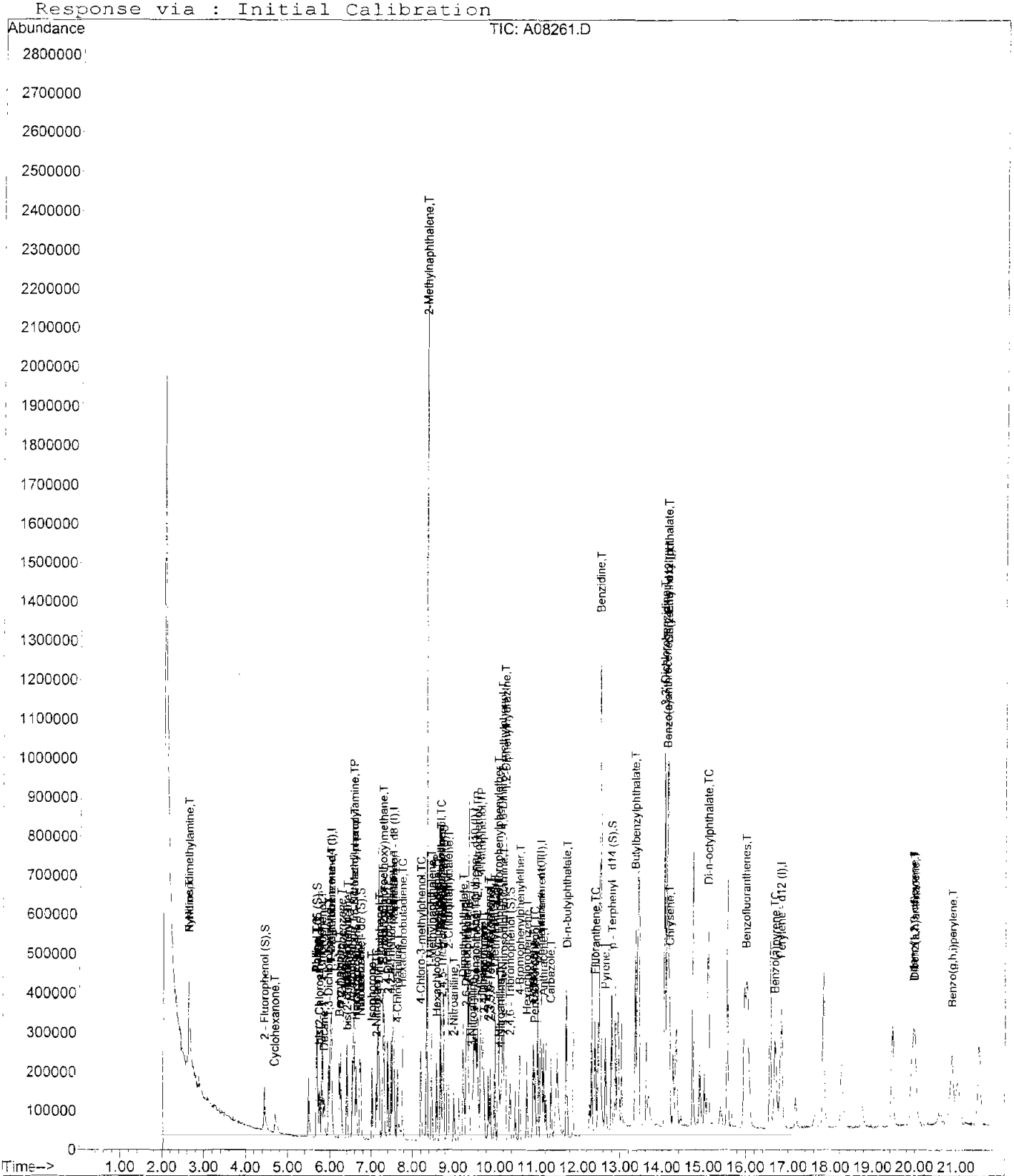
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	2-Nitroaniline	9.01	138	45144	1000.14	ug/L		90
47)	Dimethylphthalate	9.23	163	160090	839.97	ug/L		94
48)	Acenaphthylene	9.33	152	213699	1062.49	ug/L		96
49)	2,6-Dinitrotoluene	9.31	165	32879	917.91	ug/L		63
50)	3-Nitroaniline	9.46	138	30589	815.75	ug/L	#	48
51)	Acenaphthene	9.54	153	151157	1013.44	ug/L		100
52)	2,4-Dinitrophenol	9.57	184	90986	4656.28	ug/L		45
53)	4-Nitrophenol	9.66	109	180119	4593.07	ug/L		87
54)	Dibenzofuran	9.70	168	168502	927.24	ug/L	#	1
55)	2,4-Dinitrotoluene	9.73	165	50615	795.88	ug/L		59
56)	2,3,4,6-Tetrachlorophenol	9.84	232	38289	1093.77	ug/L		93
57)	2,3,5,6-Tetrachlorophenol	9.89	232	37607	1009.45	ul/l		94
58)	Diethylphthalate	9.99	149	172110	871.85	ug/L		88
59)	Fluorene	10.08	166	128841	987.83	ug/L		73
60)	4-Chlorophenylphenylether	10.07	204	68154	801.07	ug/L		40
61)	4-Nitroaniline	10.13	138	32285	791.81	ug/L		85
63)	4,6-Dinitro-2-methylphenol	10.17	198	128346	5247.67	ug/L		81
64)	n-Nitrosodiphenylamine	10.20	169	90381	982.88	ug/L	#	1
66)	1,2-Diphenylhydrazine	10.24	182	44570	959.69	ug/L	#	1
67)	4-Bromophenylphenylether	10.59	248	43162	913.58	ug/L		72
68)	Hexachlorobenzene	10.76	284	51730	1111.54	ug/L		87
69)	Pentachlorophenol	10.95	266	29702	1055.68	ug/L		85
70)	Phenanthrene	11.11	178	168749	910.01	ug/L		64
71)	Anthracene	11.16	178	170404	992.54	ug/L		67
72)	Octadecane	10.91	57	105425	999.86	ug/L		95
73)	Carbazole	11.33	167	178780	1080.60	ug/L		100
74)	Di-n-butylphthalate	11.72	149	327691	1039.60	ug/L		94
75)	Fluoranthene	12.40	202	220781	1101.01	ug/L		96
76)	Pyrene	12.65	202	204008	1007.03	ug/L		70
77)	Benzidine	12.53	184	1046362	5737.76	ug/L		100
80)	Butylbenzylphthalate	13.36	149	254533	1094.55	ug/L		88
81)	Benzo(a)anthracene	14.11	228	370746	1129.77	ug/L		94
82)	3,3'-Dichlorobenzidine	14.06	252	257965+	1131.86	ug/L		96
83)	Chrysene	14.17	228	279781	981.77	ug/L		90
84)	bis(2-Ethylhexyl)phthalate	14.13	149	445886	1088.98	ug/L		85
86)	Di-n-octylphthalate	15.10	149	782161	1073.96	ug/L		97
87)	Benzofluoranthenes	16.00	252	818375	1980.56	ug/L		99
88)	Benzo(a)pyrene	16.69	252	376391	982.97	ug/L		100
89)	Indeno(1,2,3-cd)pyrene	19.95	276	556401	1044.23	ug/L		100
90)	Dibenz(a,h)anthracene	19.99	278	447815	1019.77	ug/L		100
91)	Benzo(g,h,i)perylene	20.89	276	417954	966.47	ug/L		100

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

Quantitation Report (Not Reviewed)

Data File : W:\112404\A08261.D Vial: 0
Acq On : 24 Nov 2004 11:00 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: Nov 29 9:41 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 09:41:25 2004
Response via : Initial Calibration



Data File : W:\112404\A08261.D Vial: 0
Acq On : 24 Nov 2004 11:00 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 : Mon Nov 29 09:41:25 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	6183.055	-23.7#	110	-0.02
3	T	Pyridine	5000.000	5546.475	-10.9	100	0.00
4	S	2 - Fluorophenol (S)	1000.000	1065.470	-6.5	98	0.00
5	T	Cyclohexanone	1000.000	1385.604	-38.6#	123	-0.04
6	T	Aniline	1000.000	1175.844	-17.6	99	0.02
7	S	Phenol - d5 (S)	1000.000	1149.958	-15.0	101	0.00
8	TC	Phenol	1000.000	1017.865	-1.8	100	0.02
9	T	bis(2-Chloroethyl)ether	1000.000	1174.792	-17.5	100	0.00
10	T	2-Chlorophenol	1000.000	901.997	9.8	84	0.03
11	T	Decane	1000.000	1041.853	-4.2	97	-0.02
12	T	1,3-Dichlorobenzene	1000.000	942.643	5.7	81	0.00
13	TC	1,4-Dichlorobenzene	1000.000	1045.284	-4.5	99	0.00
14	T	Benzyl alcohol	1000.000	1180.136	-18.0	109	-0.01
15	T	1,2-Dichlorobenzene	1000.000	1001.198	-0.1	91	0.00
16	T	2-Methylphenol	1000.000	978.927	2.1	100	0.00
17	T	bis(2-chloroisopropyl)ether	1000.000	1296.341	-29.6#	118	-0.04
18	T	3-&4-Methylphenol	2000.000	2433.265	-21.7#	106	-0.03
19	TP	n-Nitroso-di-n-propylamine	1000.000	1149.120	-14.9	105	-0.03
20	T	Acetophenone	1000.000	1014.551	-1.5	98	0.02
21	T	Hexachloroethane	1000.000	996.765	0.3	94	0.02
22	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	119	0.00
23	S	Nitrobenzene - d5 (S)	1000.000	867.018	13.3	92	0.03
24	T	Nitrobenzene	1000.000	970.421	3.0	111	0.00
25	T	Isophorone	1000.000	1027.122	-2.7	121	0.00
26	TC	2-Nitrophenol	1000.000	929.274	7.1	91	0.01
27	T	2,4-Dimethylphenol	1000.000	773.370	22.7#	94	0.00
28	T	bis(2-Chloroethoxy)methane	1000.000	919.835	8.0	115	0.00
29	T	Benzoic Acid	5000.000	4747.159	5.1	114	0.05
30	TC	2,4-Dichlorophenol	1000.000	1035.173	-3.5	111	0.02
31	T	1,2,4-Trichlorobenzene	1000.000	921.062	7.9	96	0.00
32	T	Naphthalene	1000.000	895.381	10.5	105	0.00
33	T	4-Chloroaniline	1000.000	1042.681	-4.3	108	0.00
34	TC	Hexachlorobutadiene	1000.000	907.359	9.3	97	0.00
35	TC	4-Chloro-3-methylphenol	1000.000	1030.302	-3.0	120	-0.02
36	T	2-Methylnaphthalene	1000.000	1120.845	-12.1	118	-0.04
37	T	1-Methylnaphthalene	1000.000	995.322	0.5	121	-0.04
38	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	123	0.00
39	TP	Hexachlorocyclopentadiene	1000.000	988.450	1.2	108	0.00
40	T	2,3-Dichloroaniline	1000.000	909.073	9.1	113	0.00
41	TC	2,4,6-Trichlorophenol	1000.000	1059.774	-6.0	116	0.00
42	T	2,4,5-Trichlorophenol	1000.000	957.307	4.3	125	0.00
43	S	2 - Fluorobiphenyl (S)	1000.000	1051.957	-5.2	124	0.00
44	T	2-Chloronaphthalene	1000.000	1007.065	-0.7	109	0.00
45	T	Biphenyl	1000.000	997.676	0.2	125	0.00
46	T	2-Nitroaniline	1000.000	1000.136	-0.0	126	0.00
47	T	Dimethylphthalate	1000.000	839.971	16.0	105	0.00
48	T	Acenaphthylene	1000.000	1062.489	-6.2	138	-0.02
49	T	2,6-Dinitrotoluene	1000.000	917.908	8.2	102	0.00
50	T	3-Nitroaniline	1000.000	815.752	18.4	90	-0.02
51	TC	Acenaphthene	1000.000	1013.443	-1.3	129	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : W:\112404\A08261.D Vial: 0
Acq On : 24 Nov 2004 11:00 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 : Mon Nov 29 09:41:25 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	4656.283	6.9	108	0.00
53	TP	4-Nitrophenol	5000.000	4593.074	8.1	100	0.00
54	T	Dibenzofuran	1000.000	927.238	7.3	114	0.00
55	T	2,4-Dinitrotoluene	1000.000	795.885	20.4#	91	0.01
56	T	2,3,4,6-Tetrachlorophenol	1000.000	1093.767	-9.4	123	0.01
57	T	2,3,5,6-Tetrachlorophenol	1000.000	1009.451	-0.9	120	0.01
58	T	Diethylphthalate	1000.000	871.853	12.8	98	-0.02
59	T	Fluorene	1000.000	987.825	1.2	119	-0.03
60	T	4-Chlorophenylphenylether	1000.000	801.068	19.9	101	-0.02
61	T	4-Nitroaniline	1000.000	791.812	20.8#	96	-0.02
62	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	107	0.00
63	T	4,6-Dinitro-2-methylphenol	5000.000	5247.672	-5.0	99	0.00
64	T	n-Nitrosodiphenylamine	1000.000	982.879	1.7	98	0.01
65	S	2,4,6 - Tribromophenol (S)	1000.000	1047.648	-4.8	95	-0.01
66	T	1,2-Diphenylhydrazine	1000.000	959.691	4.0	93	0.00
67	T	4-Bromophenylphenylether	1000.000	913.584	8.6	106	-0.01
68	T	Hexachlorobenzene	1000.000	1111.542	-11.2	113	0.00
69	TC	Pentachlorophenol	1000.000	1055.675	-5.6	115	0.00
70	T	Phenanthrene	1000.000	910.007	9.0	91	0.00
71	T	Anthracene	1000.000	992.537	0.7	107	-0.01
72	T	Octadecane	1000.000	999.859	0.0	115	-0.02
73	T	Carbazole	1000.000	1080.599	-8.1	116	0.00
74	T	Di-n-butylphthalate	1000.000	1039.597	-4.0	98	-0.03
75	TC	Fluoranthene	1000.000	1101.008	-10.1	111	0.00
76	T	Pyrene	1000.000	1007.026	-0.7	102	-0.04
77	T	Benzidine	5000.000	5737.759	-14.8	122	-0.04
78	S	p - Terphenyl - d14 (S)	1000.000	1208.433	-20.8#	128	-0.01
79	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	124	0.00
80	T	Butylbenzylphthalate	1000.000	1094.550	-9.5	196	0.00
81	T	Benzo(a)anthracene	1000.000	1129.767	-13.0	131	0.01
82	T	3,3'-Dichlorobenzidine	1000.000	1131.864	-13.2	131	0.03
83	T	Chrysene	1000.000	981.774	1.8	115	0.01
84	T	bis(2-Ethylhexyl)phthalate	1000.000	1088.984	-8.9	124	0.00
85	I	Perylene - d12 (I)	1000.000	1000.000	0.0	128	0.00
86	TC	Di-n-octylphthalate	1000.000	1073.956	-7.4	139	0.05
87	T	Benzofluoranthenes	2000.000	1980.561	1.0	126	0.00
88	TC	Benzo(a)pyrene	1000.000	982.974	1.7	126	0.00
89	T	Indeno(1,2,3-cd)pyrene	1000.000	1044.228	-4.4	136	-0.02
90	T	Dibenz(a,h)anthracene	1000.000	1019.772	-2.0	130	-0.07
91	T	Benzo(g,h,i)perylene	1000.000	966.465	3.4	118	0.02

Data File : W:\112404\A08261.D Vial: 0
Acq On : 24 Nov 2004 11:00 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 : Mon Nov 29 09:41:25 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	0.290	0.359#	-23.8#	110	-0.02
3	T	Pyridine	1.341	1.487#	-10.9	100	0.00
4	S	2 - Fluorophenol (S)	0.798	0.850#	-6.5	98	0.00
5	T	Cyclohexanone	0.370	0.512#	-38.4#	123	-0.04
6	T	Aniline	0.965	1.135#	-17.6	99	0.02
7	S	Phenol - d5 (S)	0.867	0.997#	-15.0	101	0.00
8	TC	Phenol	0.962	0.979#	-1.8	100	0.02
9	T	bis(2-Chloroethyl)ether	0.852	1.001#	-17.5	100	0.00
10	T	2-Chlorophenol	0.924	0.834#	9.7	84	0.03
11	T	Decane	0.909	0.947#	-4.2	97	-0.02
12	T	1,3-Dichlorobenzene	1.115	1.051#	5.7	81	0.00
13	TC	1,4-Dichlorobenzene	1.090	1.139#	-4.5	99	0.00
14	T	Benzyl alcohol	1.023	1.207#	-18.0	109	-0.01
15	T	1,2-Dichlorobenzene	1.101	1.103#	-0.2	91	0.00
16	T	2-Methylphenol	0.696	0.681#	2.2	100	0.00
17	T	bis(2-chloroisopropyl)ether	0.111	0.144#	-29.7#	118	-0.04
18	T	3-&4-Methylphenol	0.644	0.784#	-21.7#	106	-0.03
19	TP	n-Nitroso-di-n-propylamine	0.599	0.688	-14.9	105	-0.03
20	T	Acetophenone	1.903	1.931#	-1.5	98	0.02
21	T	Hexachloroethane	0.251	0.250#	0.4	94	0.02
22	I	Naphthalene - d8 (I)	1.000	1.000	0.0	119	0.00
23	S	Nitrobenzene - d5 (S)	0.253	0.220#	13.0	92	0.03
24	T	Nitrobenzene	0.257	0.249#	3.1	111	0.00
25	T	Isophorone	0.430	0.441#	-2.6	121	0.00
26	TC	2-Nitrophenol	0.140	0.130#	7.1	91	0.01
27	T	2,4-Dimethylphenol	0.335	0.259#	22.7#	94	0.00
28	T	bis(2-Chloroethoxy)methane	0.268	0.247#	7.8	115	0.00
29	T	Benzoic Acid	0.175	0.166#	5.1	114	0.05
30	TC	2,4-Dichlorophenol	0.198	0.205#	-3.5	111	0.02
31	T	1,2,4-Trichlorobenzene	0.238	0.220#	7.6	96	0.00
32	T	Naphthalene	0.779	0.698#	10.4	105	0.00
33	T	4-Chloroaniline	0.235	0.246#	-4.7	108	0.00
34	TC	Hexachlorobutadiene	0.189	0.172#	9.0	97	0.00
35	TC	4-Chloro-3-methylphenol	0.303	0.312#	-3.0	120	-0.02
36	T	2-Methylnaphthalene	0.469	0.526#	-12.2	118	-0.04
37	T	1-Methylnaphthalene	0.507	0.504#	0.6	121	-0.04
38	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	123	0.00
39	TP	Hexachlorocyclopentadiene	0.271	0.268	1.1	108	0.00
40	T	2,3-Dichloroaniline	0.423	0.384#	9.2	113	0.00
41	TC	2,4,6-Trichlorophenol	0.202	0.214#	-5.9	116	0.00
42	T	2,4,5-Trichlorophenol	0.225	0.216#	4.0	125	0.00
43	S	2 - Fluorobiphenyl (S)	0.760	0.800#	-5.3	124	0.00
44	T	2-Chloronaphthalene	0.700	0.705#	-0.7	109	0.00
45	T	Biphenyl	0.837	0.835#	0.2	125	0.00
46	T	2-Nitroaniline	0.246	0.246#	0.0	126	0.00
47	T	Dimethylphthalate	1.037	0.871#	16.0	105	0.00
48	T	Acenaphthylene	1.095	1.163#	-6.2	138	-0.02
49	T	2,6-Dinitrotoluene	0.195	0.179#	8.2	102	0.00
50	T	3-Nitroaniline	0.204	0.167#	18.1	90	-0.02
51	TC	Acenaphthene	0.812	0.823#	-1.4	129	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : W:\112404\A08261.D Vial: 0
Acq On : 24 Nov 2004 11:00 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 : Mon Nov 29 09:41:25 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%

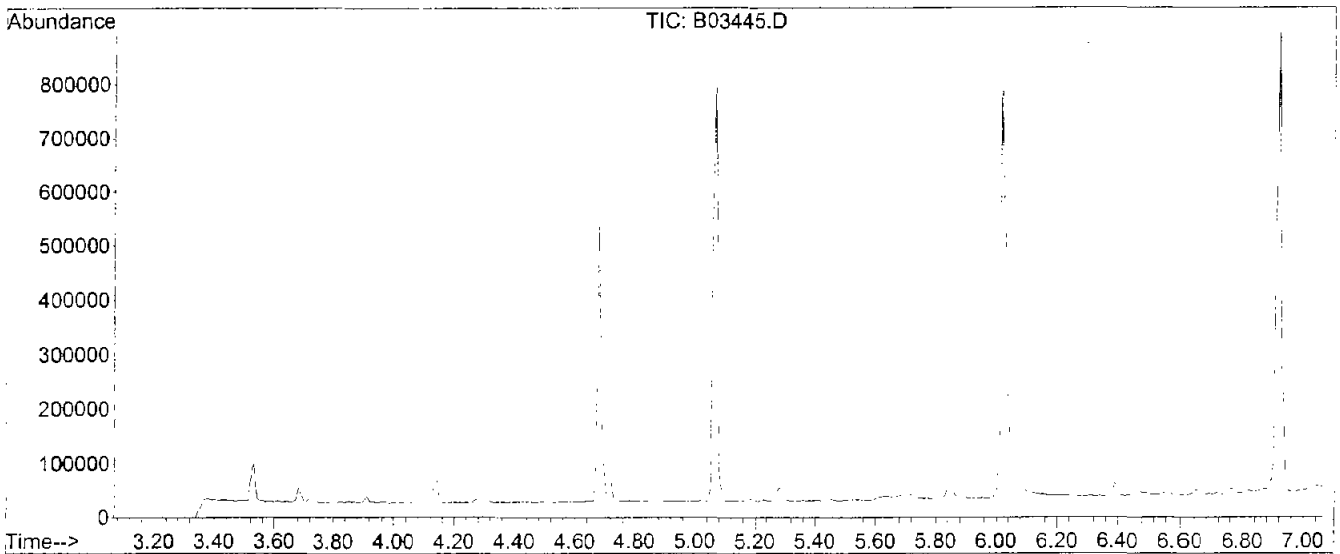
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	TP	2,4-Dinitrophenol	0.106	0.099	6.6	108	0.00
53	TP	4-Nitrophenol	0.213	0.196	8.0	100	0.00
54	T	Dibenzofuran	0.989	0.917#	7.3	114	0.00
55	T	2,4-Dinitrotoluene	0.346	0.276#	20.2#	91	0.01
56	T	2,3,4,6-Tetrachlorophenol	0.191	0.208#	-8.9	123	0.01
57	T	2,3,5,6-Tetrachlorophenol	0.203	0.205#	-1.0	120	0.01
58	T	Diethylphthalate	1.075	0.937#	12.8	98	-0.02
59	T	Fluorene	0.710	0.701#	1.3	119	-0.03
60	T	4-Chlorophenylphenylether	0.463	0.371#	19.9	101	-0.02
61	T	4-Nitroaniline	0.222	0.176#	20.7#	96	-0.02
62	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	107	0.00
63	T	4,6-Dinitro-2-methylphenol	0.101	0.106#	-5.0	99	0.00
64	T	n-Nitrosodiphenylamine	0.379	0.372#	1.8	98	0.01
65	S	2,4,6 - Tribromophenol (S)	0.118	0.124#	-5.1	95	-0.01
66	T	1,2-Diphenylhydrazine	0.191	0.184#	3.7	93	0.00
67	T	4-Bromophenylphenylether	0.195	0.178#	8.7	106	-0.01
68	T	Hexachlorobenzene	0.192	0.213#	-10.9	113	0.00
69	TC	Pentachlorophenol	0.116	0.122#	-5.2	115	0.00
70	T	Phenanthrene	0.764	0.695#	9.0	91	0.00
71	T	Anthracene	0.707	0.702#	0.7	107	-0.01
72	T	Octadecane	0.434	0.434#	0.0	115	-0.02
73	T	Carbazole	0.681	0.736#	-8.1	116	0.00
74	T	Di-n-butylphthalate	1.298	1.350#	-4.0	98	-0.03
75	TC	Fluoranthene	0.826	0.909#	-10.0	111	0.00
76	T	Pyrene	0.834	0.840#	-0.7	102	-0.04
77	T	Benzidine	0.751	0.862#	-14.8	122	-0.04
78	S	p - Terphenyl - d14 (S)	0.713	0.862#	-20.9#	128	-0.01
79	I	Chrysene - d12 (I)	1.000	1.000	0.0	124	0.00
80	T	Butylbenzylphthalate	0.518	0.567#	-9.5	196#	0.00
81	T	Benzo(a)anthracene	0.731	0.826#	-13.0	131	0.01
82	T	3,3'-Dichlorobenzidine	0.508	0.575#	-13.2	131	0.03
83	T	Chrysene	0.635	0.623#	1.9	115	0.01
84	T	bis(2-Ethylhexyl)phthalate	0.912	0.994#	-9.0	124	0.00
85	I	Perylene - d12 (I)	1.000	1.000	0.0	128	0.00
86	TC	Di-n-octylphthalate	1.327	1.425#	-7.4	139	0.05
87	T	Benzofluoranthenes	0.753	0.745#	1.1	126	0.00
88	TC	Benzo(a)pyrene	0.697	0.686#	1.6	126	0.00
89	T	Indeno(1,2,3-cd)pyrene	0.971	1.014#	-4.4	136	-0.02
90	T	Dibenz(a,h)anthracene	0.800	0.816#	-2.0	130	-0.07
91	T	Benzo(g,h,i)perylene	0.788	0.761#	3.4	118	0.02

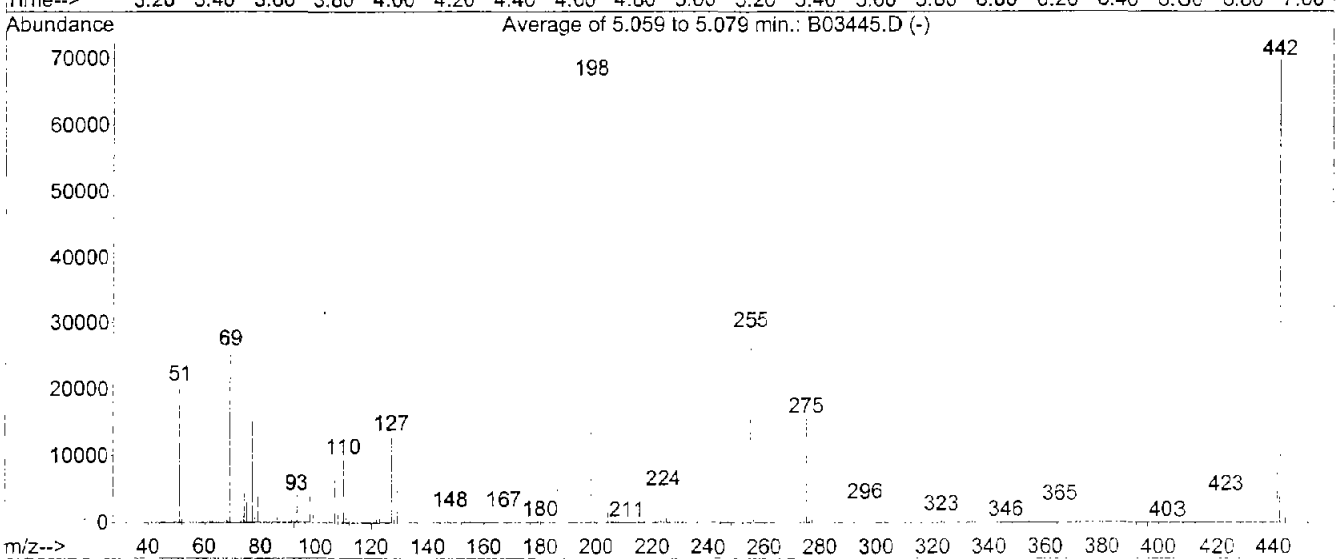
DFTPP TUNING

00492

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

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

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
DFTPP 11/15/04 683		57.00	926	71.00	42	82.00	234
Modified:subtracted		58.00	19	72.00	72	83.00	150
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
213.00	22	227.00	2083	254.00	55	275.00	15693
215.00	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

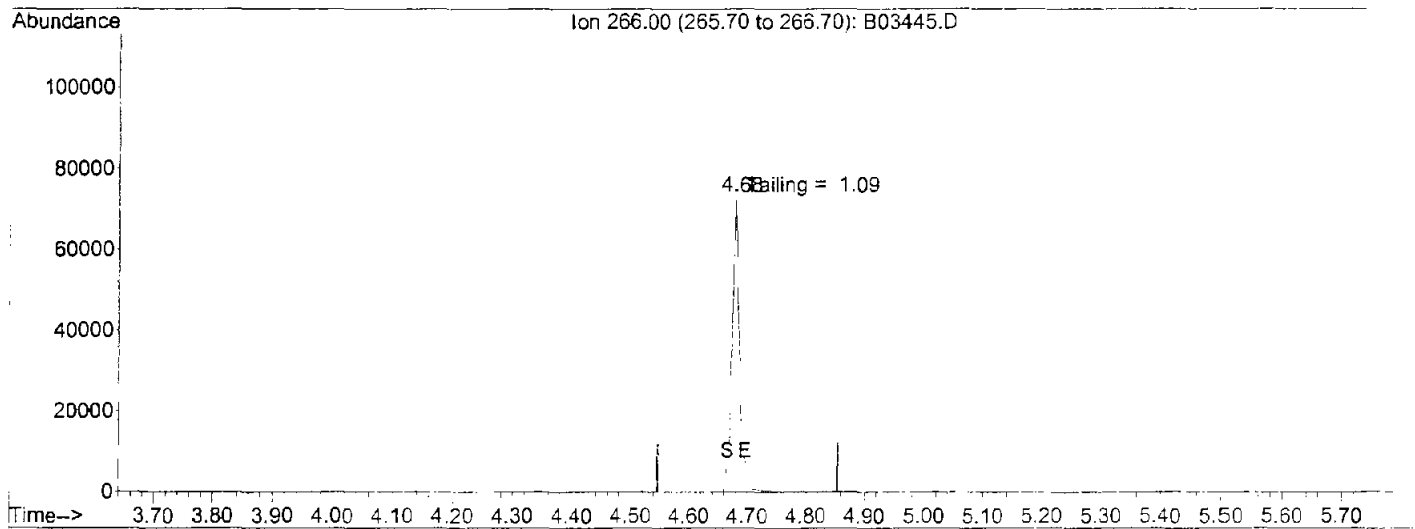
Modified:subtracted

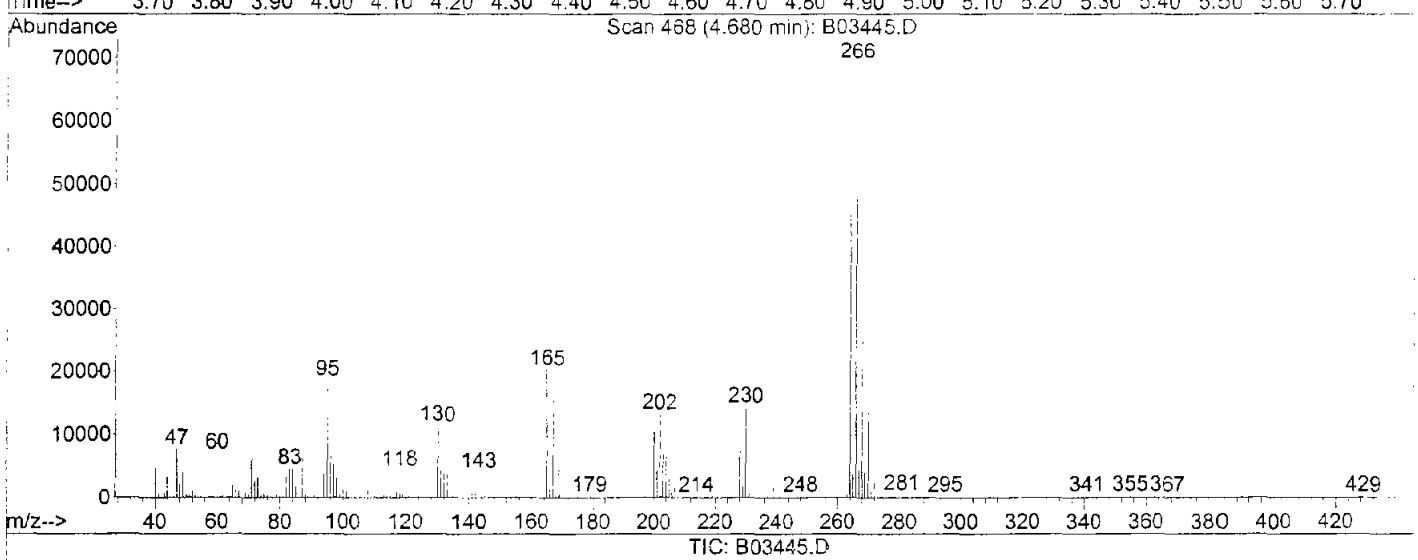
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
293.00	159	323.00	998	346.00	181	392.00	50
295.00	55	324.00	101	349.00	112	403.00	111
296.00	2836	327.00	273	353.00	231	415.00	17
297.00	101	328.00	79	354.00	289	420.00	39
300.00	20	329.00	82	364.00	56	421.00	240
302.00	86	331.00	23	365.00	2482	423.00	4016
303.00	409	333.00	101	366.00	294	424.00	746
312.00	57	334.00	403	371.00	70	425.00	57

00494

Data File : U:\DATA\111504\B03445.D Vial: 0
Acq On : 15 Nov 2004 15:32 Operator: CLZ
Sample : DFTPP 11/15/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 9:35 2004 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

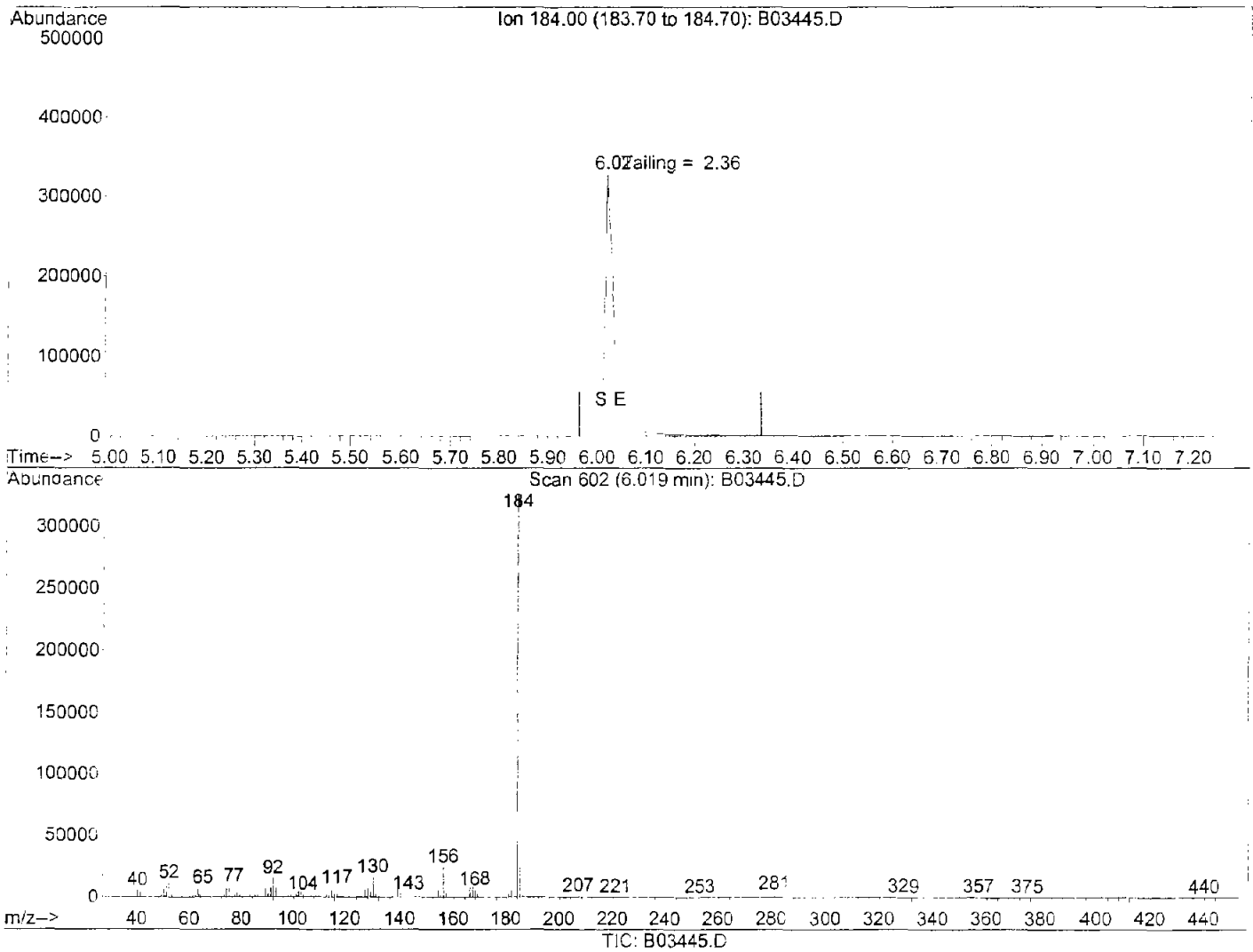
4.68min 0.09

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

Data File : U:\DATA\111504\B03445.D Vial: 0
Acq On : 15 Nov 2004 15:32 Operator: CLZ
Sample : DFTPP 11/15/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 9:35 2004 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

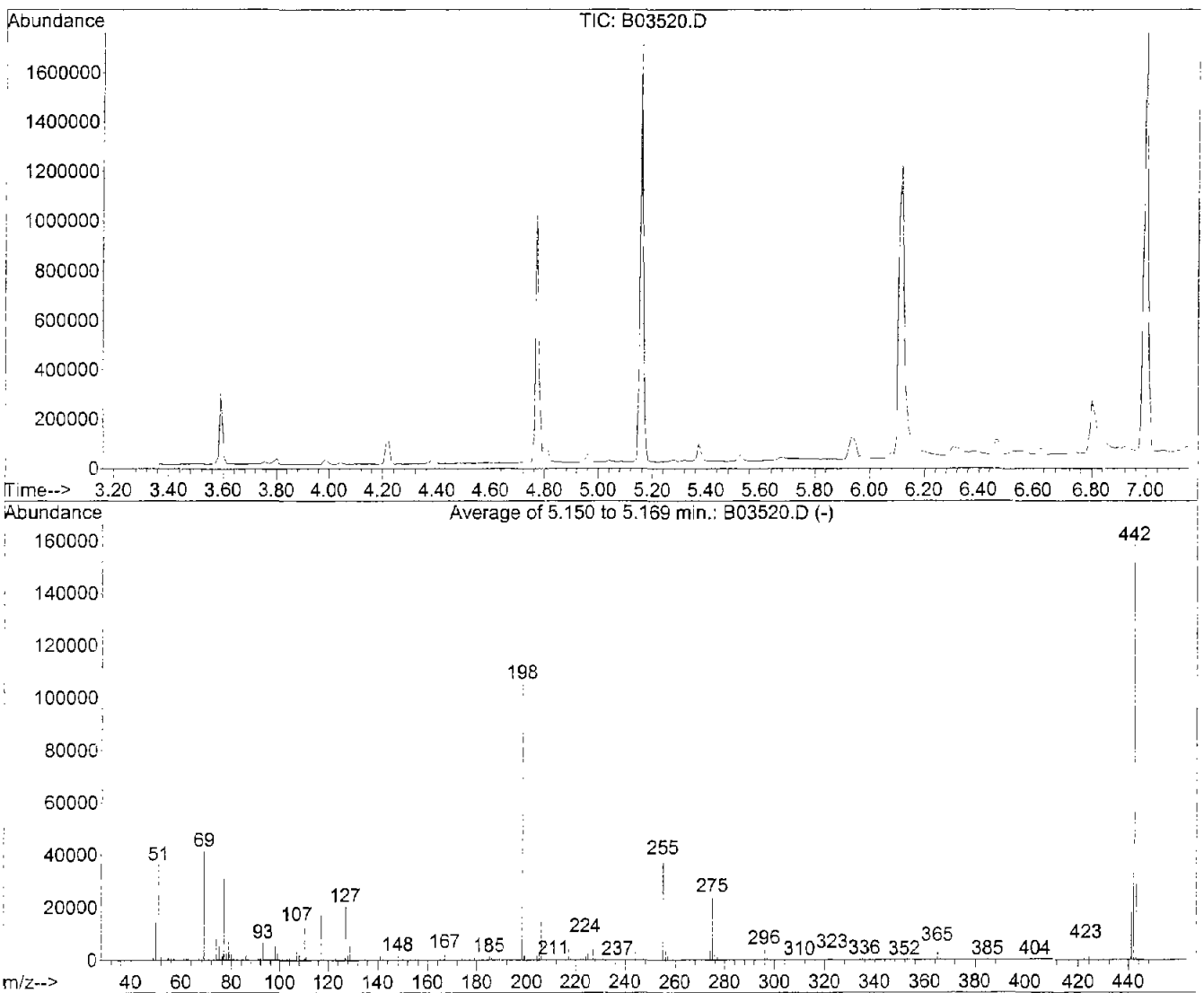
Data File Name **B03445.D**
Data File Path **U:\DATA\111504**
Operator **CLZ**

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	

Data File : U:\DATA\112304\B03520.D
Acq On : 23 Nov 2004 9:09
Sample : DFTPP 11/23/04
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 515, 516, 517; Background Corrected with Scan 511

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	22.8	36216	PASS
68	69	0.00	2	0.7	290	PASS
69	198	0.00	100	39.3	41422	PASS
70	69	0.00	2	0.0	0	PASS
127	442	10	80	12.9	20425	PASS
197	198	0.00	1	0.1	113	PASS
198	198	100	100	100.0	105482	PASS
199	198	5	9	6.9	7274	PASS
275	442	10	60	15.1	24039	PASS
365	198	1	100	5.0	5267	PASS
441	443	0.01	100	62.9	18026	PASS
442	442	50	100	100.0	158821	PASS
443	442	15	24	18.1	28672	PASS

325.00	41	353.00	577	402.00	109	442.00	158821
327.00	38	354.00	697	403.00	27	443.00	28672

Average of 5.150 to 5.169 min.: B03520.D

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
DFTPP 11/23/04 28		61.00	812	74.00	8354	85.00	302
Modified:subtracted		62.00	800	75.00	5258	86.00	1660
444.00	1586	64.00	194	77.00	31052	91.00	593
450.00	17	66.00	82	78.00	2407	92.00	1103
51.00	36216	67.00	457	79.00	8314	93.00	6590
52.00	1413	68.00	290	80.00	2259	94.00	578
53.00	11	69.00	41422	81.00	2844	96.00	221
55.00	762	71.00	554	82.00	271	98.00	5070
56.00	817	72.00	59	83.00	167	99.00	2790
57.00	1200	73.00	2160	84.00	16	100.00	444

Average of 5.150 to 5.169 min.: B03520.D
DFTPP 11/23/04
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
101.00	591	113.00	31	127.00	20425	143.00	505
103.00	574	116.00	430	128.00	2091	146.00	155
104.00	929	117.00	17261	129.00	5600	147.00	98
105.00	647	118.00	537	132.00	226	148.00	1859
106.00	156	119.00	253	134.00	190	150.00	714
107.00	13331	120.00	245	135.00	567	151.00	59
108.00	2058	121.00	38	136.00	39	153.00	472
109.00	58	122.00	334	137.00	509	154.00	230
110.00	12183	123.00	798	139.00	24	155.00	595
111.00	1615	124.00	347	141.00	1730	156.00	632
112.00	151	125.00	129	142.00	366	157.00	100

Average of 5.150 to 5.169 min.: B03520.D
DFTPP 11/23/04
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.00	38	176.00	101	190.00	53	203.00	273
159.00	256	177.00	374	191.00	11	204.00	1577
160.00	114	179.00	1035	192.00	194	205.00	2952
161.00	335	180.00	181	193.00	94	206.00	16903
165.00	659	181.00	496	195.00	17	207.00	2081
166.00	77	183.00	20	196.00	401	208.00	337
167.00	2888	185.00	1416	197.00	113	209.00	321
168.00	801	186.00	7339	198.00	105482	211.00	399
171.00	53	187.00	1547	199.00	7274	216.00	41
174.00	825	188.00	270	200.00	645	217.00	4423
175.00	1103	189.00	698	202.00	266	218.00	436

Average of 5.150 to 5.169 min.: B03520.D
DFTPP 11/23/04
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
219.00	112	231.00	333	257.00	1507	275.00	24039
221.00	1	236.00	44	258.00	934	276.00	3368
222.00	601	237.00	53	259.00	495	277.00	1105
223.00	998	243.00	237	260.00	35	278.00	77
224.00	8826	244.00	5116	261.00	41	279.00	198
225.00	2515	245.00	1343	265.00	169	290.00	17
226.00	125	246.00	397	266.00	323	293.00	500
227.00	3990	247.00	250	271.00	83	294.00	41
228.00	592	249.00	138	272.00	47	296.00	4306
229.00	371	255.00	38624	273.00	117	297.00	947
230.00	262	256.00	4241	274.00	3673	298.00	222

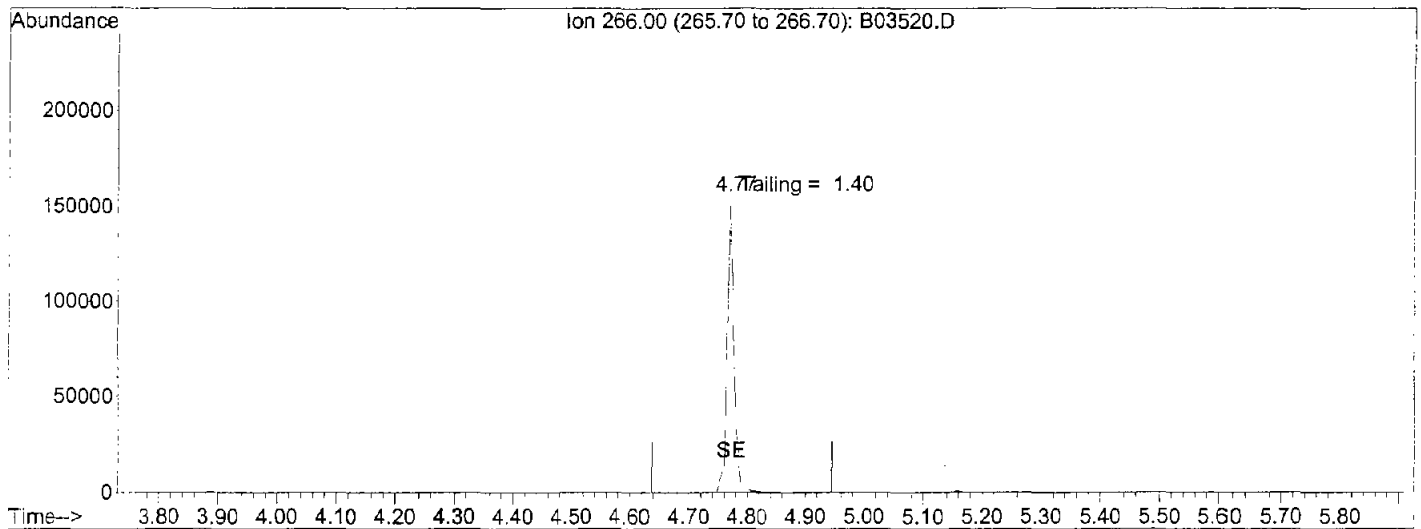
Average of 5.150 to 5.169 min.: B03520.D
DFTPP 11/23/04
Modified:subtracted

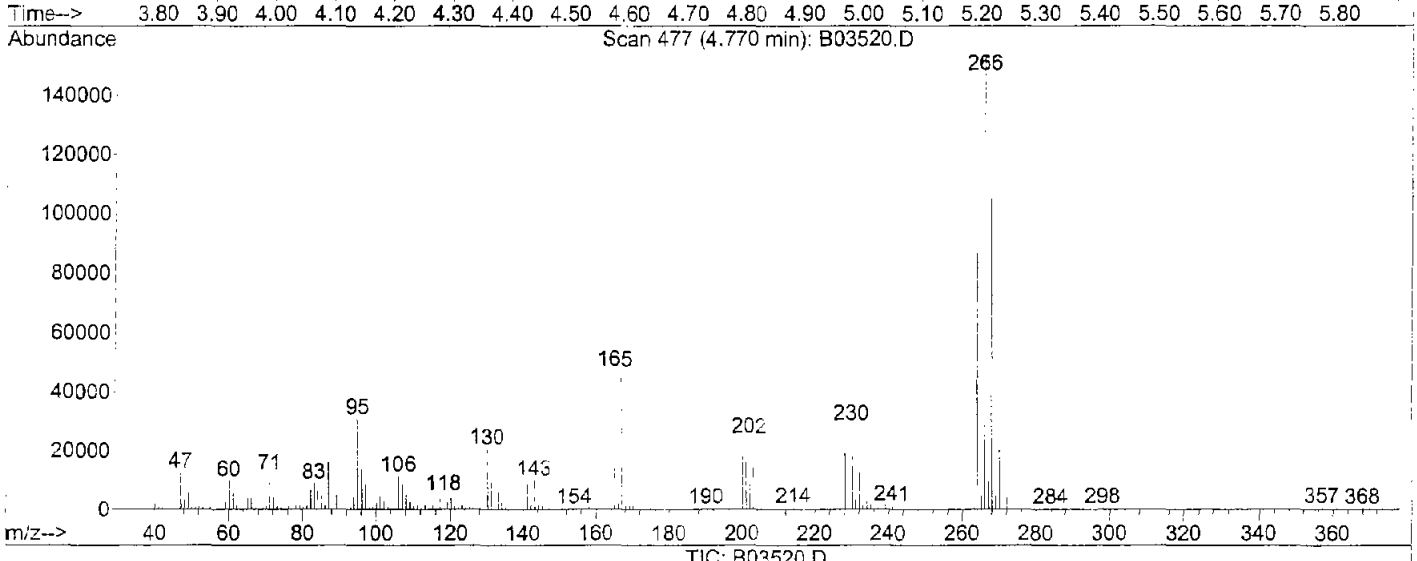
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
303.00	27	328.00	29	355.00	260	404.00	333
305.00	35	334.00	575	356.00	53	421.00	250
310.00	29	335.00	915	365.00	5267	422.00	580
315.00	53	336.00	426	366.00	736	423.00	6375
316.00	41	338.00	111	371.00	222	424.00	1281
317.00	136	342.00	194	372.00	333	426.00	41
322.00	186	343.00	53	373.00	53	438.00	138
323.00	2716	346.00	166	385.00	29	440.00	472

004999

Data File : U:\DATA\112304\B03520.D Vial: 0
Acq On : 23 Nov 2004 9:09 Operator: CLZ
Sample : DFTPP 11/23/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 24 12:10 2004 Quant Results File: temp.res

Method : U:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Nov 24 12:10:03 2004
Response via : Single Level Calibration





TIC: B03520.D

(1) Pentachlorophenol (T)

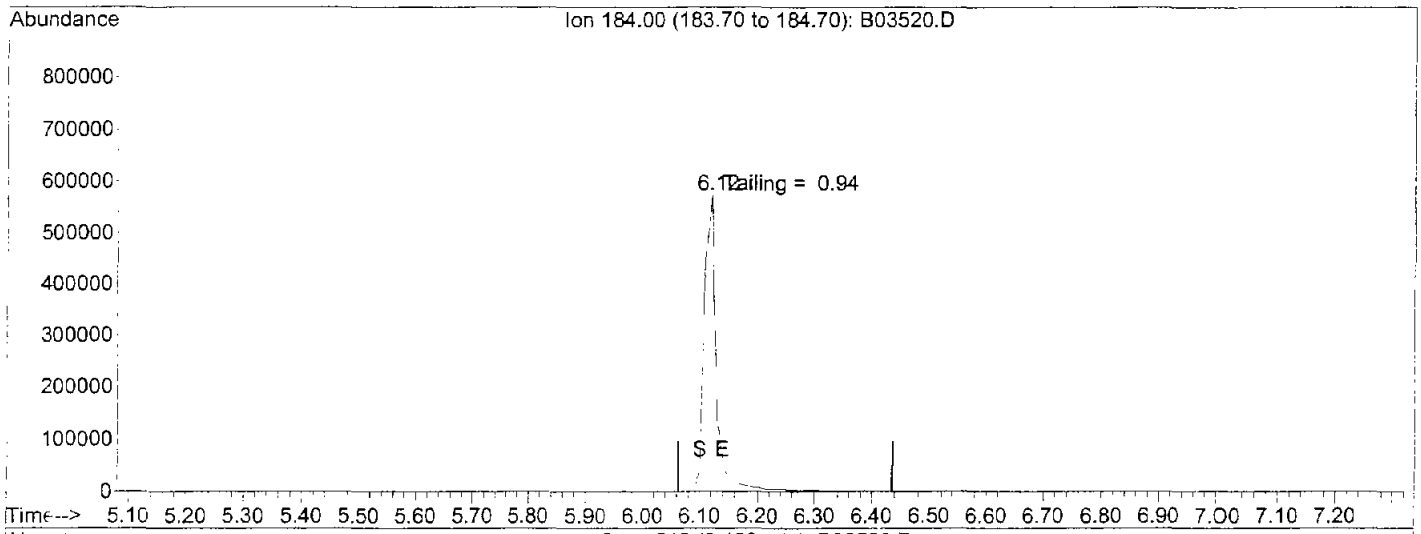
4.77min 0.19

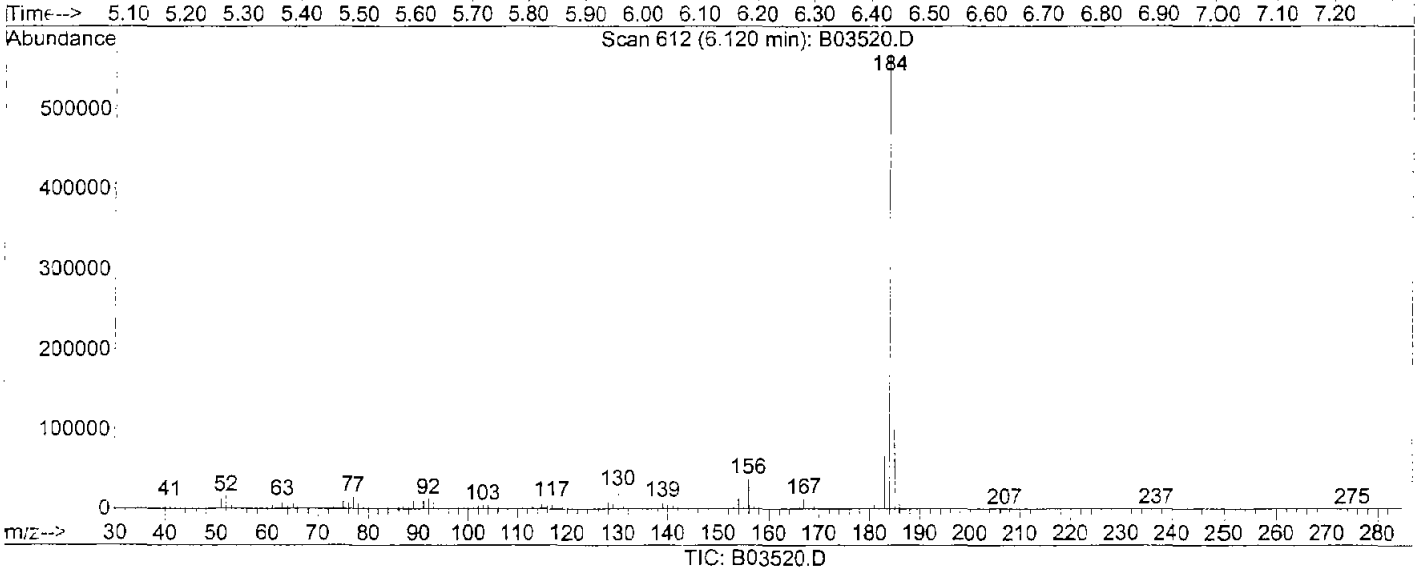
response 155008

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 : U:\DATA\112304\B03520.D Vial: 0
Acq On : 23 Nov 2004 9:09 Operator: CLZ
Sample : DFTPP 11/23/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 24 12:10 2004 Quant Results File: temp.res

Method : U:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Nov 24 12:10:03 2004
Response via : Single Level Calibration





(3) Benzidine (T)

6.12min 0.27

response 572928

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 **B03520.D**
Data File Path **U:\DATA\112304**
Operator **CLZ**

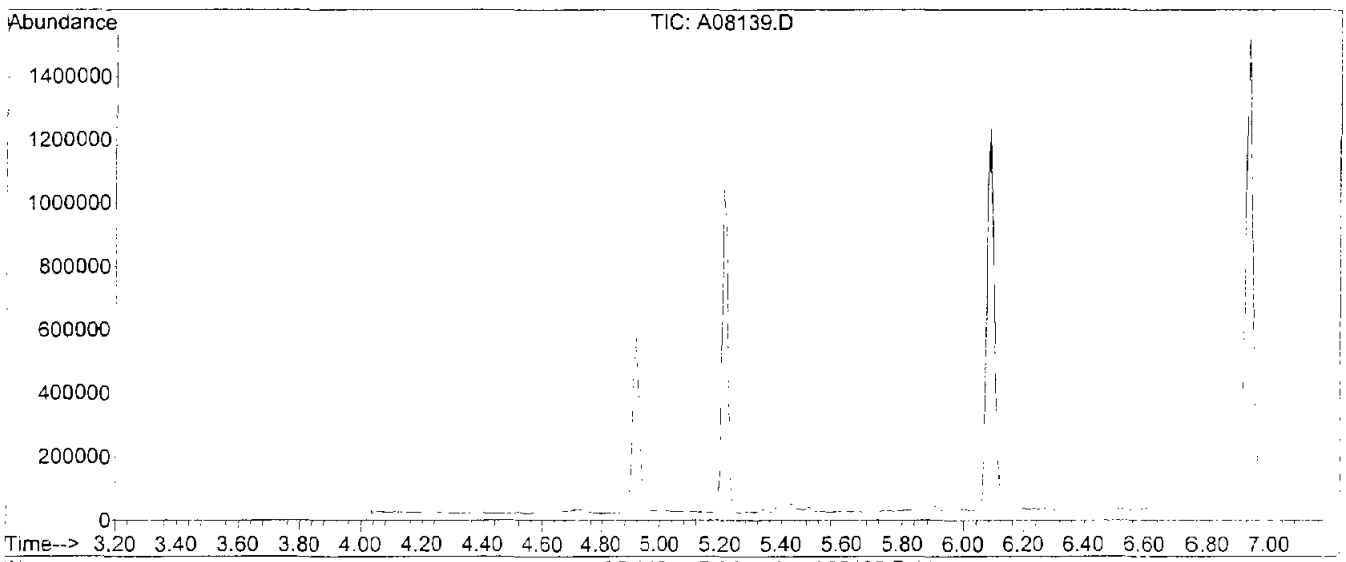
Sample Name **DFTPP 11/23/04**

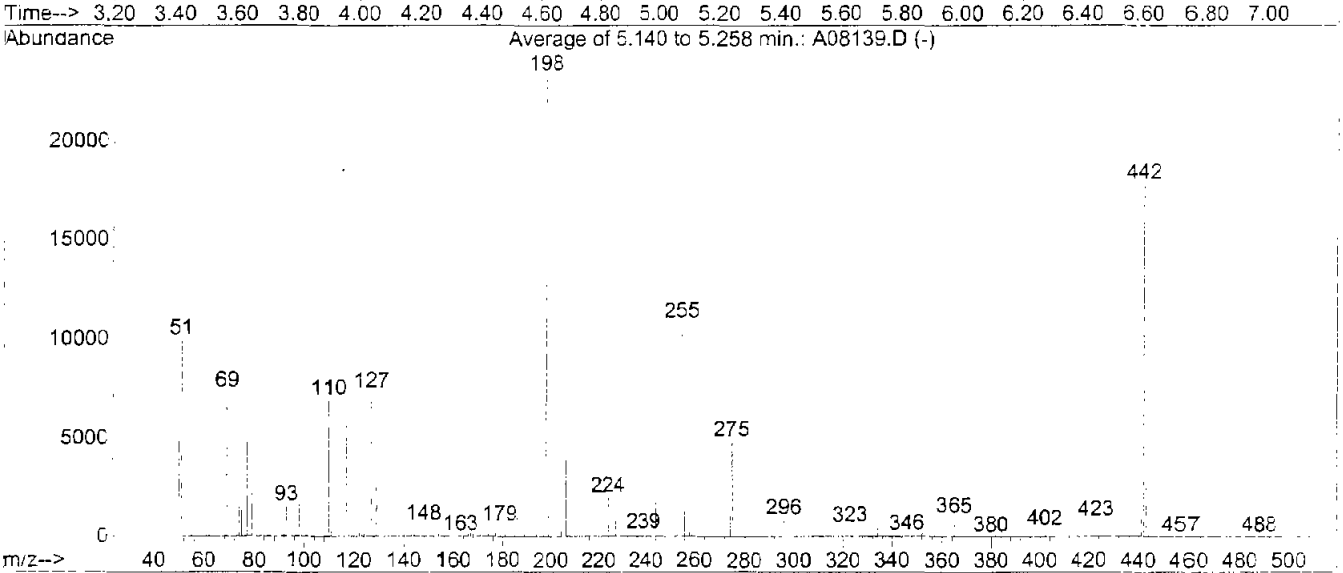
#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	7.00	345112	0.00%
5)	DDD	0.00	0	Pass
6)	DDE	0.00	0	
		SUM	345112	

00502

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: 0
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

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.
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.
119.00	226	130.00	112	147.00	303		
120.00	36	134.00	162	148.00	579		
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	222.00	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

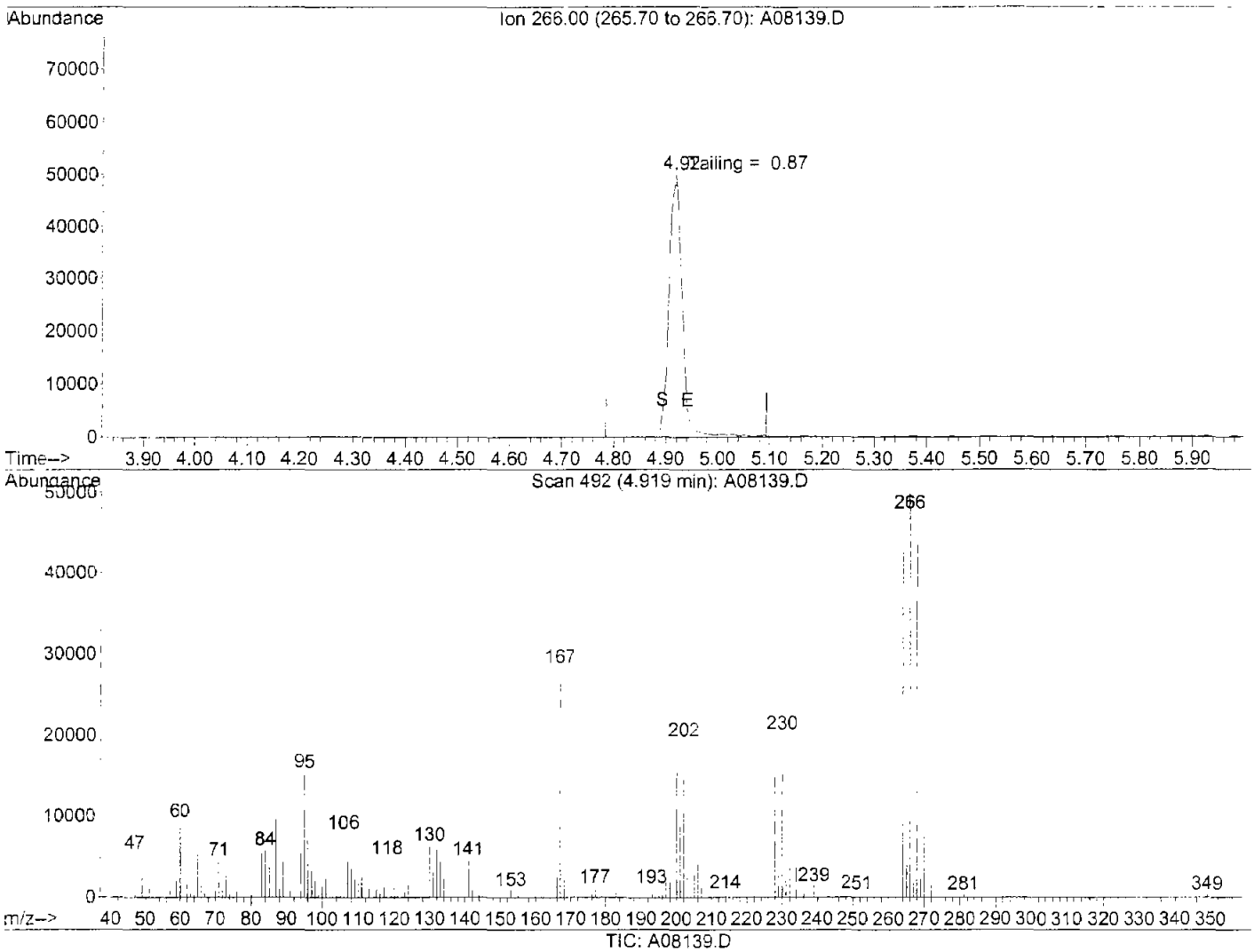
Average of 5.140 to 5.258 min.: A08139.D
DFTPP 11/16/04
Modified:subtracted

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	40
292.00	6	305.00	4	317.00	29	334.00	403
293.00	58	306.00	1	319.00	3	335.00	174
294.00	13	307.00	3	320.00	1	338.00	1

00504

Data File : W:\111604\A08139.D Vial: 0
Acq On : 16 Nov 2004 15:39 Operator: CLZ
Sample : DFTPP 11/16/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 12:11 2004 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)

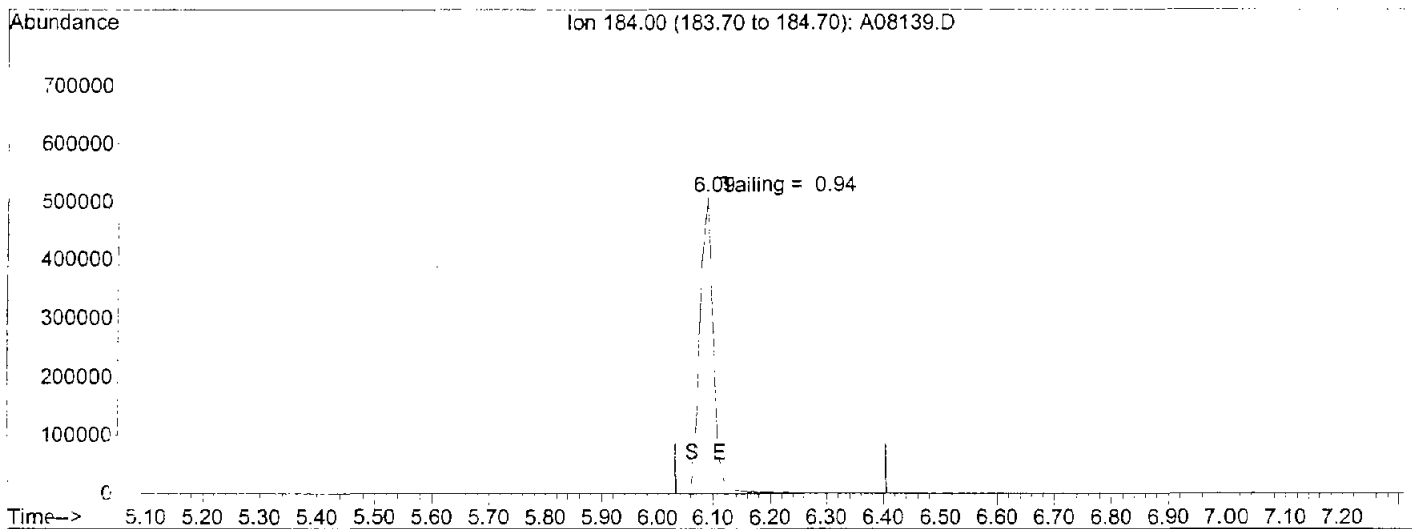
4.92min 0.06

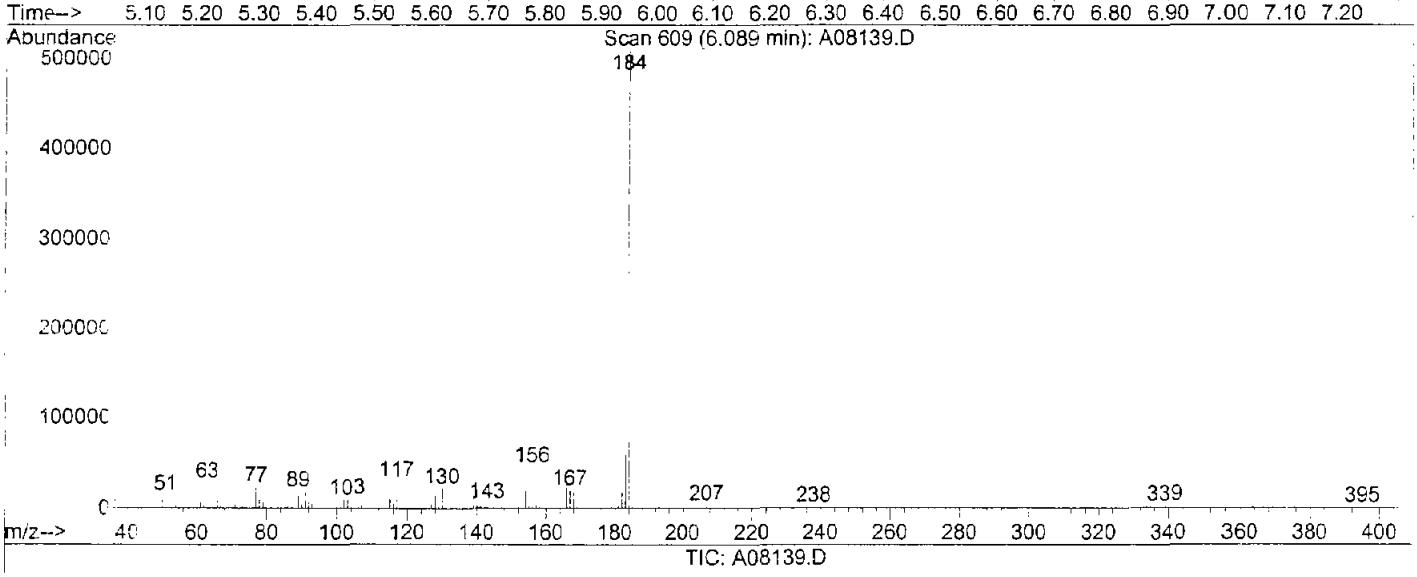
response 50088

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

Data File : W:\111604\A08139.D Vial: 0
Acq On : 16 Nov 2004 15:39 Operator: CLZ
Sample : DFTPP 11/16/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 12:11 2004 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





TIC: A08139.D

(3) Benzidine (T)

5.09min 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

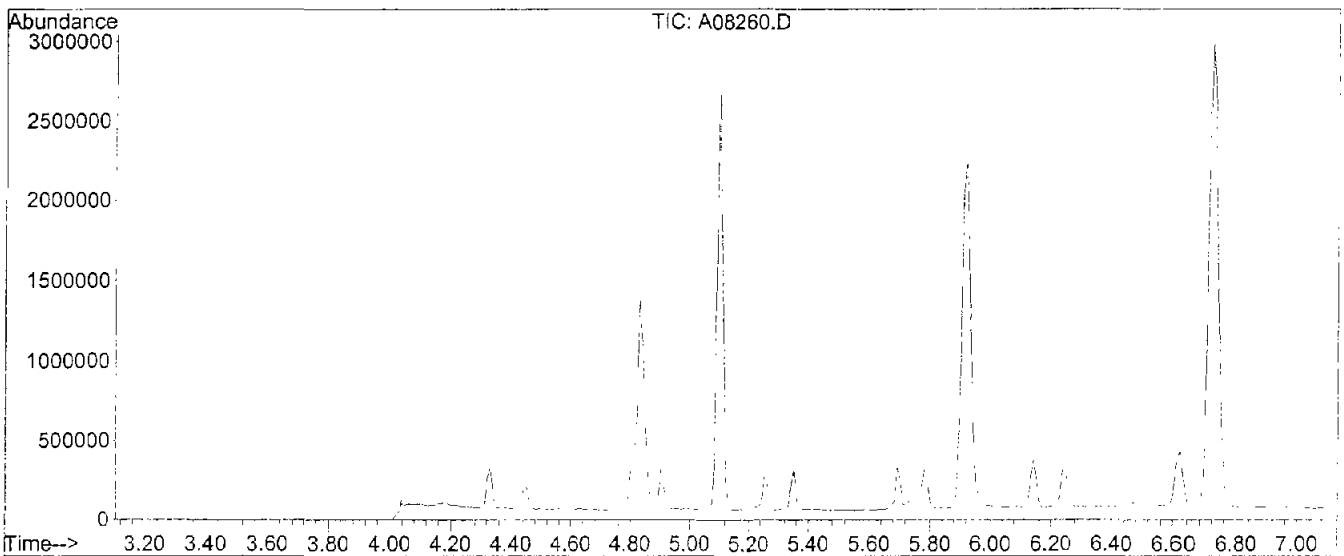
Data File Name **A08139.D**
Data File Path **W:\111604**
Operator **CLZ**

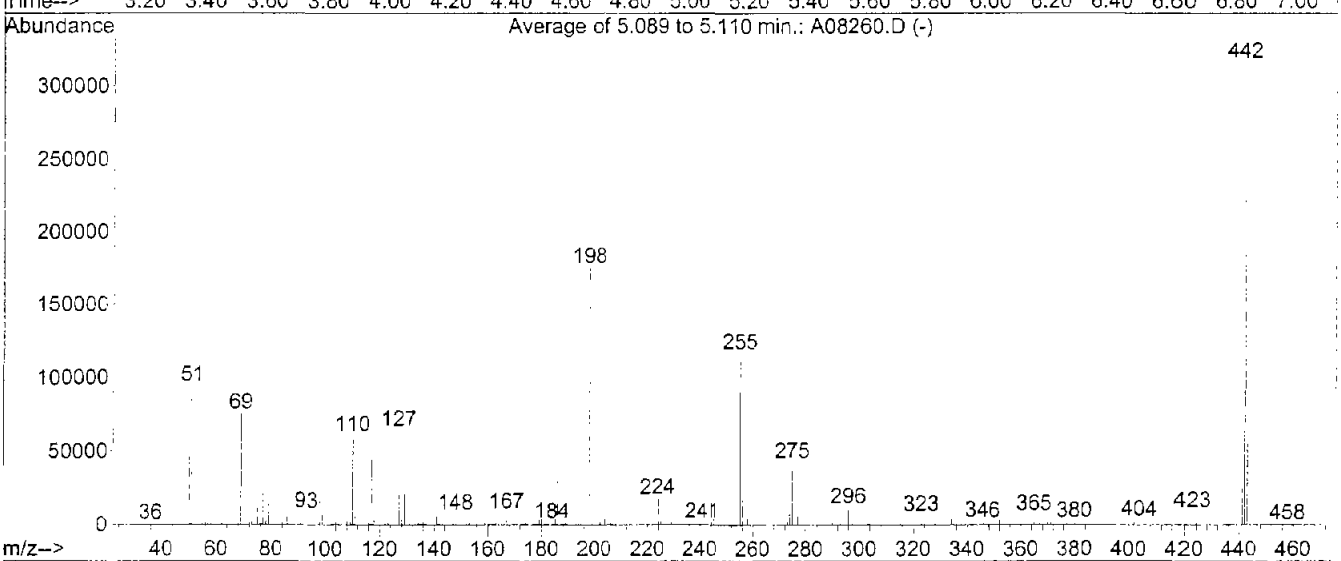
Sample Name **DFTPP 11/16/04**

#	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	

Data File : W:\112404\A08260.D
Acq On : 24 Nov 2004 10:46
Sample : DFTPP 11/24/04
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





AutoFind: Scans 509, 510, 511; Background Corrected with Scan 502

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	29.7	94024	PASS
68	69	0.00	2	1.9	1445	PASS
69	198	0.00	100	43.0	75282	PASS
70	69	0.00	2	0.0	0	PASS
127	442	10	80	20.1	63714	PASS
197	198	0.00	1	0.1	247	PASS
198	442	50	100	55.3	175168	PASS
199	198	5	9	5.3	9336	PASS
275	442	10	60	13.3	42077	PASS
365	442	1	100	2.0	6414	PASS
441	443	0.01	100	49.2	28410	PASS
442	442	50	100	100.0	316714	PASS
443	442	15	24	18.2	57771	PASS

296.00	11368	328.00	475	357.00	360	380.00	1664
297.00	1207	334.00	4411	365.00	6414	381.00	444

Average of 5.089 to 5.110 min.: A08260.D

DFTPP 11/24/04 357

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
		61.00	4053	76.00	863	87.00	473
		62.00	2001	77.00	58152	88.00	831
383.00	674	424.00	1833	79.00	14673	92.00	526
388.00	730	428.00	388	80.00	4657	93.00	8314
390.00	281	441.00	28410	81.00	6127	94.00	283
396.00	277	442.00	316714	82.00	642	95.00	511
402.00	2062	443.00	57771	83.00	1136	96.00	303
403.00	1888	444.00	6818	84.00	1579	97.00	452
404.00	3042	445.00	555	85.00	1300	98.00	24809
415.00	555	458.00	394	86.00	5443	99.00	9188
421.00	357	5.110 min.:	A08260.D				
422.00	2751						
423.00	8599						

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
100.00	634	111.00	6561	124.00	217	136.00	2042
101.00	1393	112.00	320	125.00	307	137.00	1048
102.00	365	113.00	256	126.00	904	139.00	369
103.00	760	115.00	383	127.00	63714	141.00	5984
104.00	2040	116.00	1736	128.00	4517	142.00	1968
105.00	1721	117.00	45178	129.00	20679	143.00	931
106.00	957	118.00	3822	130.00	331	146.00	177
107.00	34233	120.00	662	131.00	719	147.00	1014
108.00	2678	121.00	204	133.00	214	148.00	7175
109.00	2914	122.00	2995	134.00	1578	150.00	515
110.00	60169	123.00	1719	135.00	876	152.00	325

Average of 5.089 to 5.110 min.: A08260.D

DFTPP 11/24/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
153.00	2261	168.00	2816	184.00	1129	196.00	472
155.00	438	169.00	657	185.00	3799	197.00	247
156.00	1479	171.00	713	186.00	30410	198.00	175168
159.00	1568	174.00	1311	187.00	5468	199.00	9336
160.00	1237	175.00	2692	188.00	277	202.00	1979
161.00	2479	177.00	829	189.00	1551	203.00	400
163.00	1147	178.00	666	191.00	235	204.00	4560
164.00	526	179.00	3554	192.00	200	205.00	10719
165.00	2032	180.00	3804	193.00	503	206.00	28630
166.00	1334	181.00	615	194.00	1566	207.00	5143
167.00	7875	182.00	500	195.00	739	208.00	1048

Average of 5.089 to 5.110 min.: A08260.D

DFTPP 11/24/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
209.00	1325	226.00	960	243.00	881	256.00	18629
211.00	1026	227.00	11467	244.00	14858	257.00	388
212.00	438	228.00	1487	245.00	5135	258.00	4524
215.00	555	229.00	3797	246.00	3715	259.00	789
216.00	385	231.00	1388	247.00	750	264.00	348
217.00	4191	234.00	666	249.00	296	265.00	2872
218.00	850	235.00	659	250.00	308	266.00	1024
220.00	789	236.00	1657	251.00	885	271.00	168
221.00	410	240.00	570	253.00	457	272.00	238
224.00	17437	241.00	1208	254.00	555	273.00	2189
225.00	4424	242.00	500	255.00	116430	274.00	8445

Average of 5.089 to 5.110 min.: A08260.D

DFTPP 11/24/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
275.00	42077	303.00	1795	335.00	1928	366.00	357
276.00	5967	304.00	555	336.00	394	367.00	1336
277.00	7067	314.00	219	341.00	67	368.00	833
281.00	836	315.00	741	346.00	1991	370.00	2072
282.00	302	316.00	586	347.00	554	371.00	2017
286.00	387	317.00	267	351.00	944	372.00	2618
290.00	1166	321.00	307	352.00	3245	373.00	317
291.00	290	323.00	5952	354.00	2093	375.00	526

600500

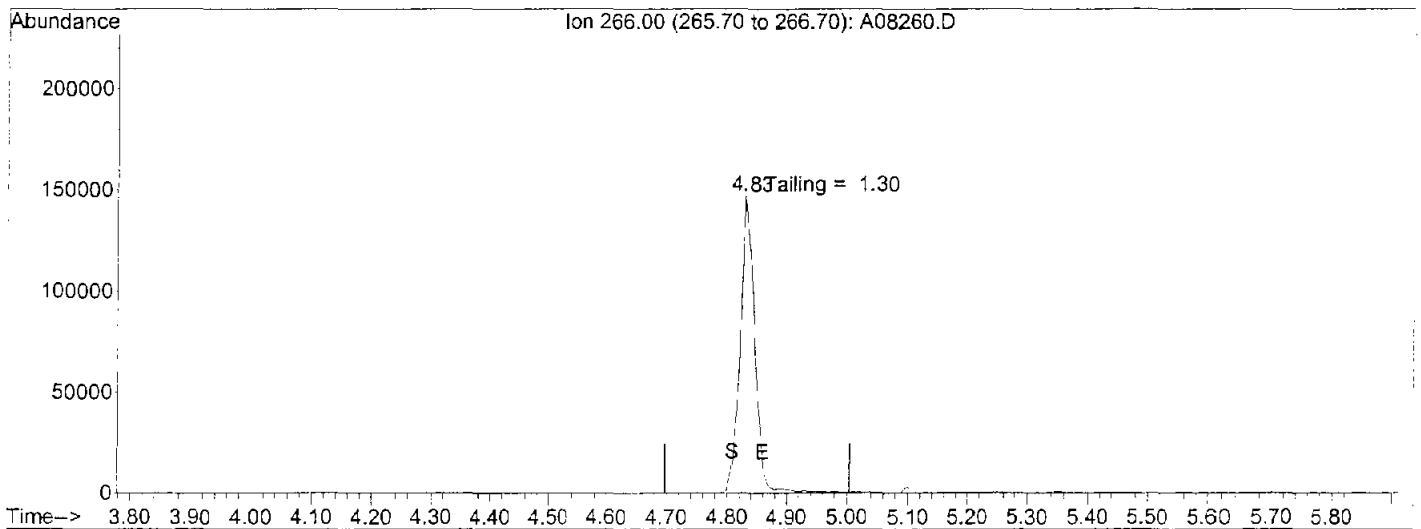
Quantitation Report (Quan)

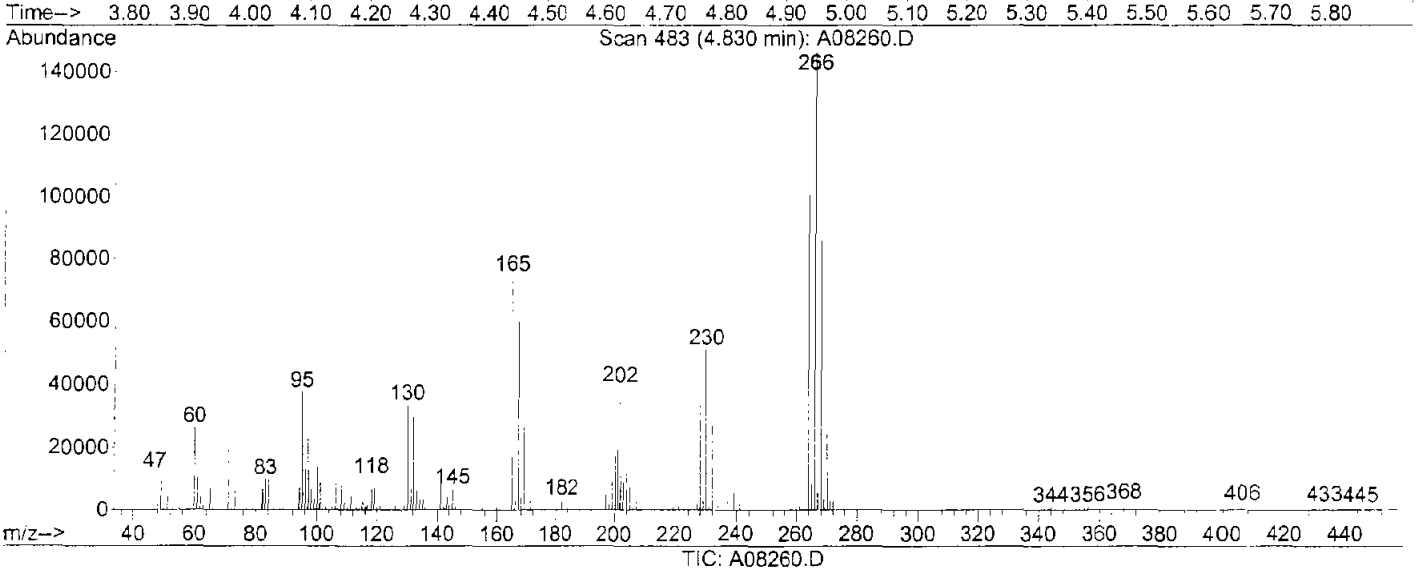
Data File : W:\112404\A08260.D
Acq On : 24 Nov 2004 10:46
Sample : DFTPP 11/24/04
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 29 9:43 2004

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 : Mon Nov 29 09:42:56 2004
Response via : Single Level Calibration





(1) Pentachlorophenol (T)

4.83min 0.18

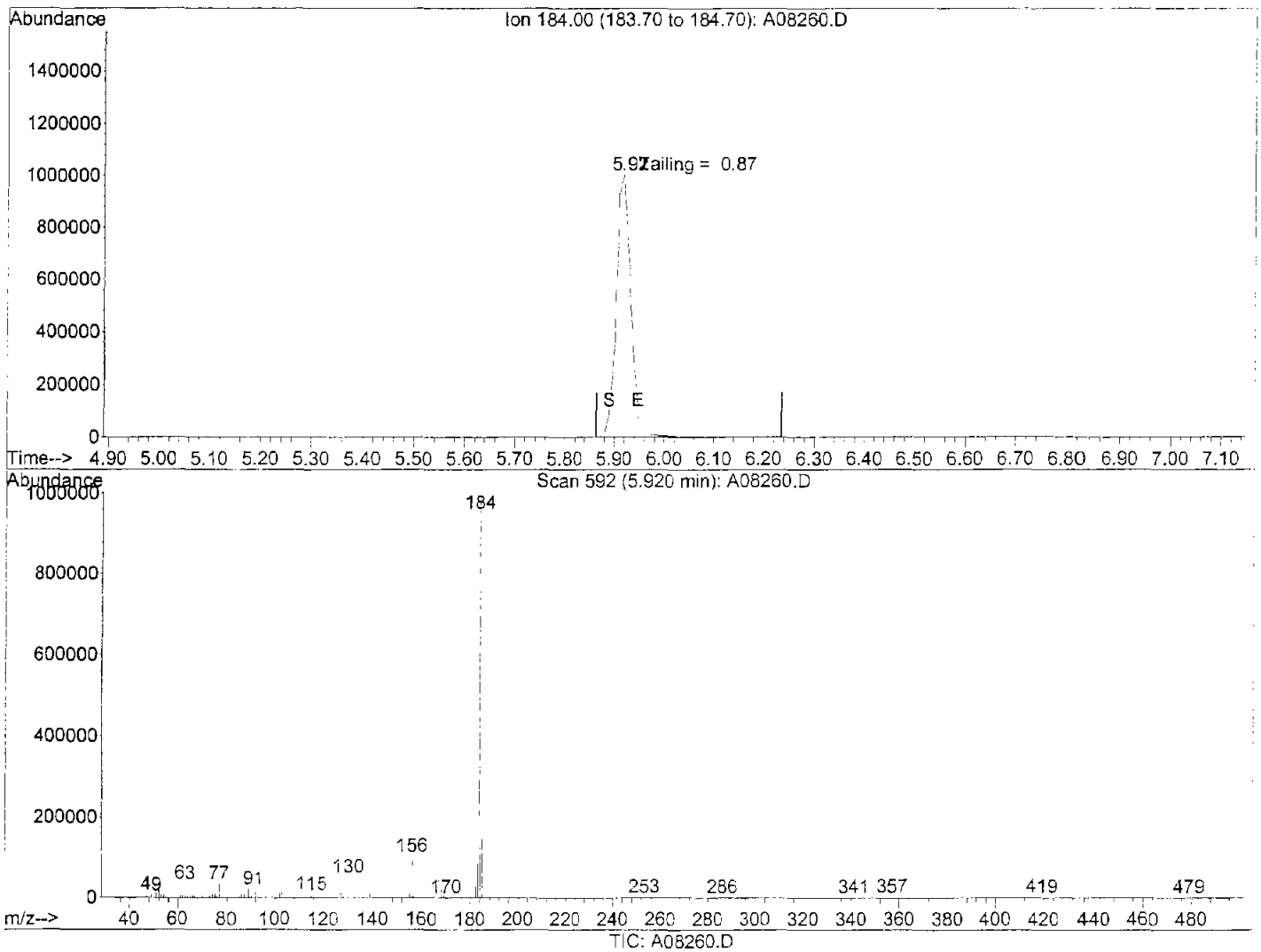
response 146688

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:\112404\A08260.D Vial: 0
Acq On : 24 Nov 2004 10:46 Operator: CLZ
Sample : DFTPP 11/24/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 9:43 2004 Quant Results File: temp.res

Method : W:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Mon Nov 29 09:42:56 2004
Response via : Single Level Calibration



(3) Benzidine (T)

5.92min 0.47

response 1003520

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 **A08260.D**
Data File Path **W:\112404**
Operator **CLZ**

Sample Name **DFTPP 11/24/04**

#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	6.72	2464988	0.07%
5)	DDD	6.10	1513	Pass
6)	DDE	6.53	286	
		SUM	2466787	

00512

METHOD BLANK

00513

Data File : U:\DATA\112304\B03522.D Vial: 0
Acq On : 23 Nov 2004 10:01 Operator: CLZ
Sample : SW1034 MB #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:11:58 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration
DataAcq Meth :

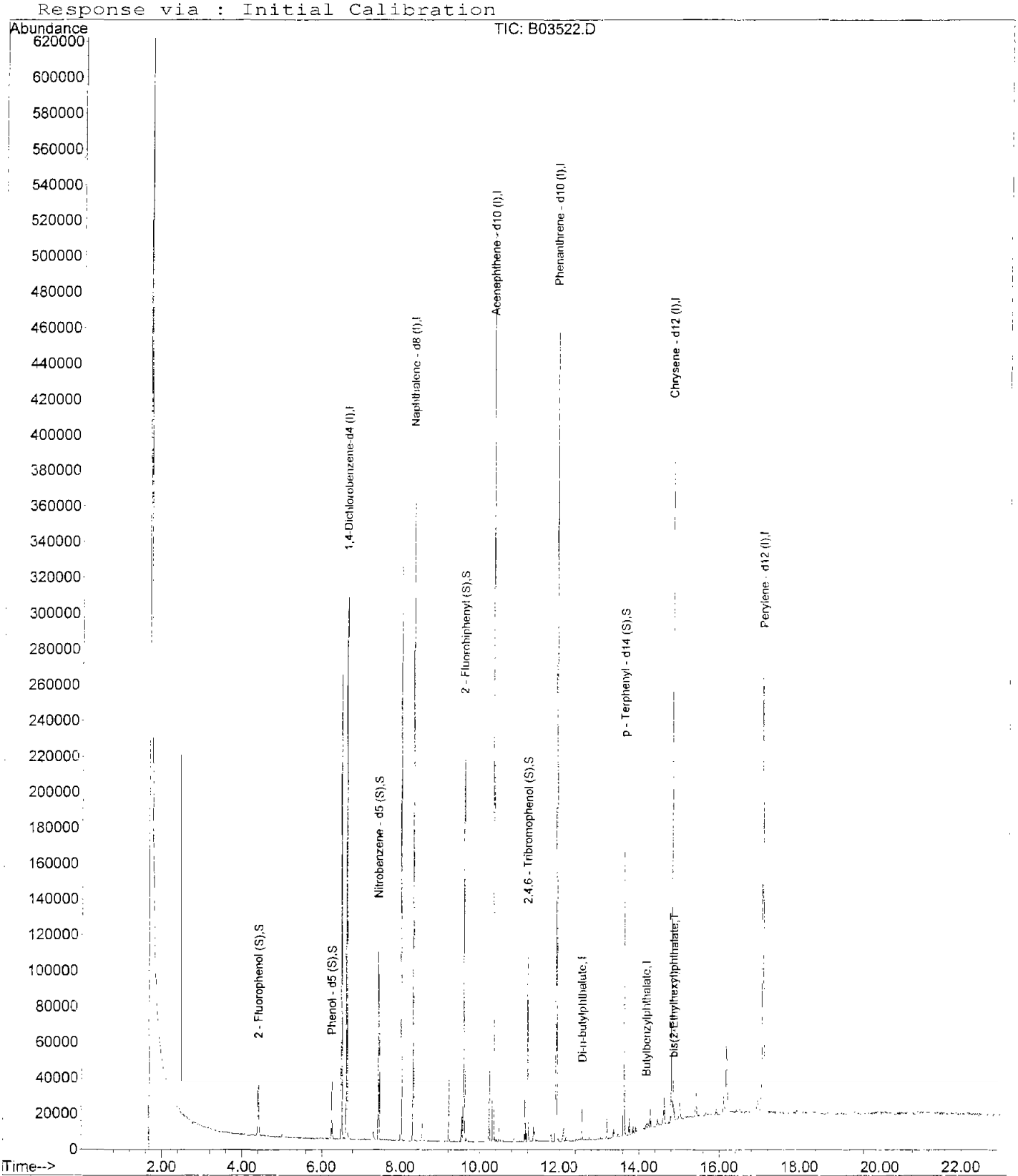
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.64	152	50396	1000.00	ug/L	0.04
20) Naphthalene - d8 (I)	8.32	136	196377	1000.00	ug/L	0.03
36) Acenaphthene - d10 (I)	10.33	162	121545	1000.00	ug/L	0.03
60) Phenanthrene - d10 (I)	11.91	188	183189	1000.00	ug/L	0.03
77) Chrysene - d12 (I)	14.82	240	221074+	1000.00	ul/l	0.02
83) Perylene - d12 (I)	17.07	264	271510+	1000.00	ug/L	0.02
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.41	112	13726	257.83	ug/L	0.04
6) Phenol - d5 (S)	6.26	99	8660	137.85	ug/L	0.04
21) Nitrobenzene - d5 (S)	7.45	82	34730	642.45	ug/L	0.00
41) 2 - Fluorobiphenyl (S)	9.60	172	59072	631.21	ug/L	0.04
63) 2,4,6 - Tribromophenol (S)	11.19	330	14377	411.57	ug/L	0.03
76) p - Terphenyl - d14 (S)	13.62	244	73801	472.02	ug/L	0.01
Target Compounds						Qvalue
72) Di-n-butylphthalate	12.57	149	3686	24.17	ug/L #	73
78) Butylbenzylphthalate	14.18	149	1080	16.69	ug/L	91
82) bis(2-Ethylhexyl)phthalate	14.86	149	2204	21.09	ug/L #	53

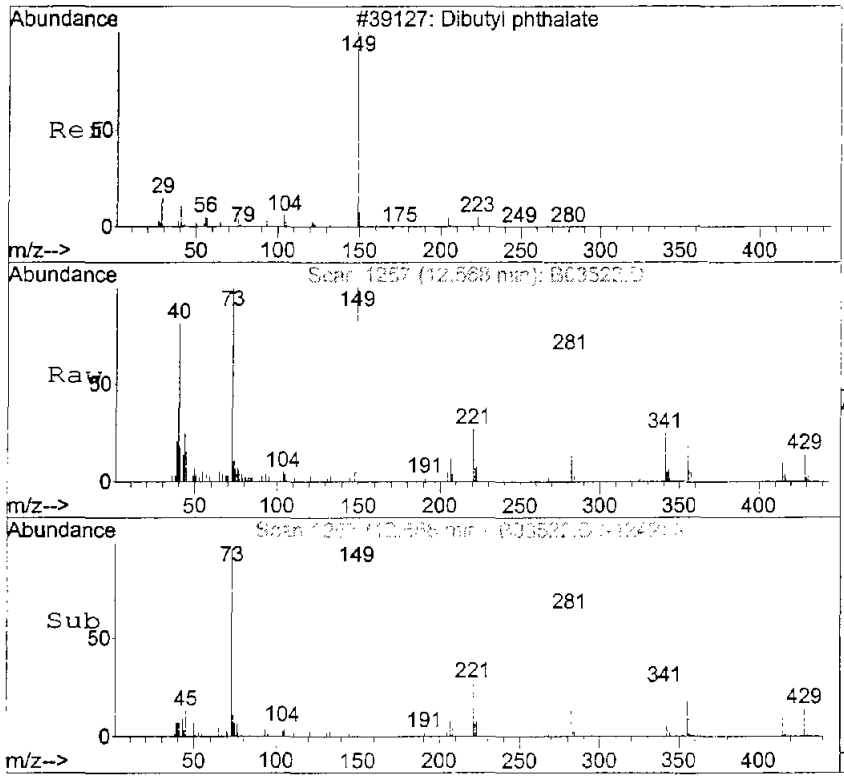
(#) = qualifier out of range (m) = manual integration (+) = signals summed
B03522.D 111604.M Mon Nov 29 14:12:27 2004 Page 1

00514

Data File : U:\DATA\112304\B03522.D Vial: 0
Acq On : 23 Nov 2004 10:01 Operator: CLZ
Sample : SW1034 MB #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:12 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration

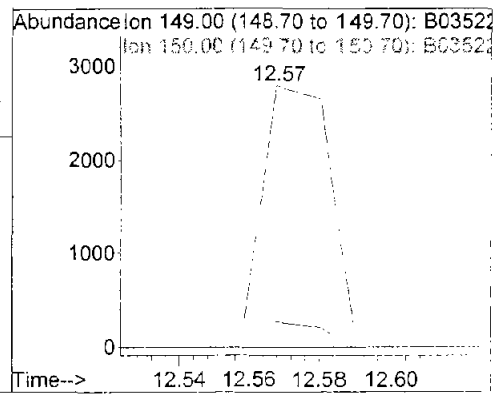


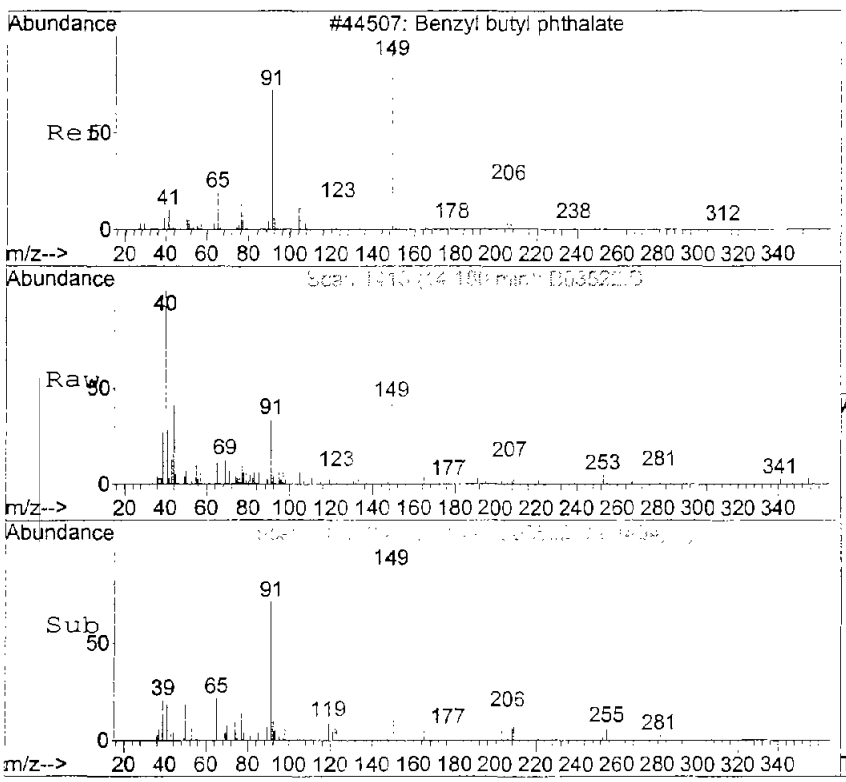


#72
Di-n-butylphthalate
Concen: 24.17 ug/L
RT: 12.57 min Scan# 1257
Delta R.T. 0.05 min
Lab File: B03522.D
Acq: 23 Nov 2004 10:01

Tgt Ion:149 Resp: 3686

Ion	Ratio	Lower	Upper
149	100		
150	0.0	0.0	50.0

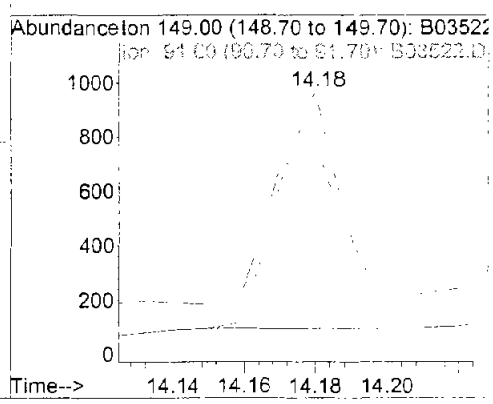


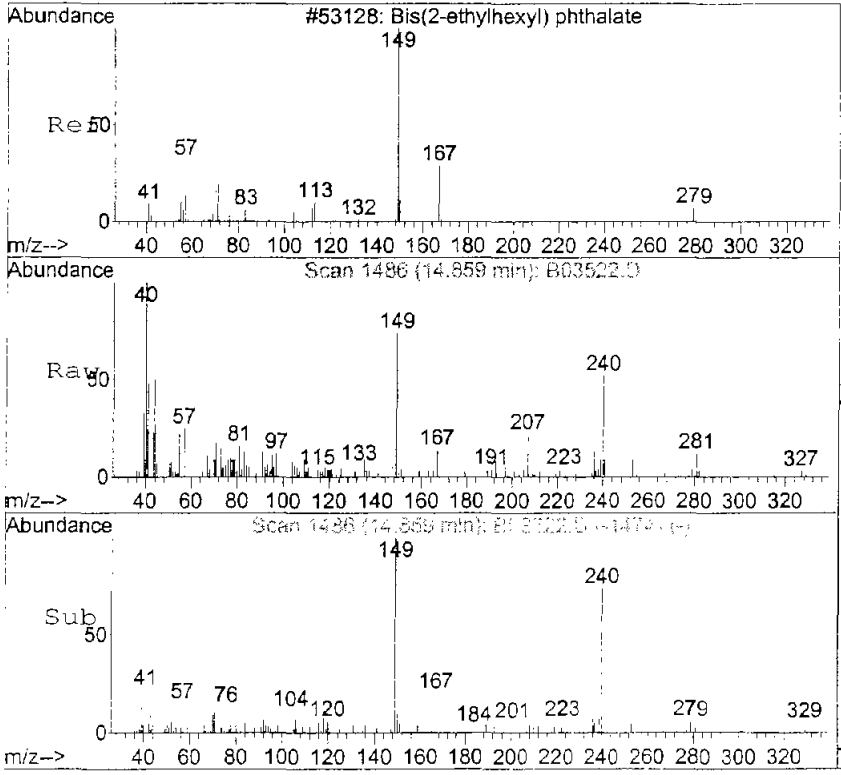


#78
Butylbenzylphthalate
Concen: 16.69 ug/L
RT: 14.18 min Scan# 1418
Delta R.T. 0.04 min
Lab File: B03522.D
Acq: 23 Nov 2004 10:01

Tgt Ion:149 Resp: 1080

Ion	Ratio	Lower	Upper
149	100		
91	77.0	45.0	125.0

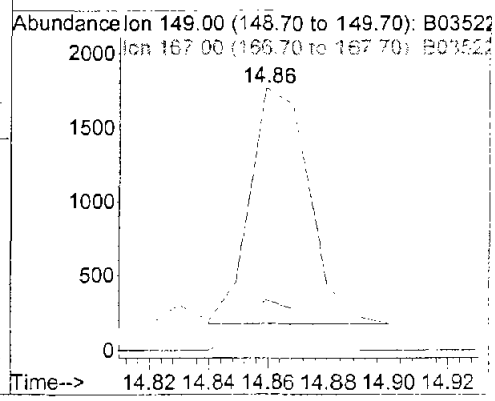




#82
bis(2-Ethylhexyl)phthalate
Concen: 21.09 ug/L
RT: 14.86 min Scan# 1486
Delta R.T. 0.02 min
Lab File: B03522.D
Acq: 23 Nov 2004 10:01

Tgt Ion:149 Resp: 2204

Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	62.6



Quantitation Report (QT Reviewed)

Data File : W:\112404\A08268.D
Acq On : 24 Nov 2004 14:12
Sample : SS1281 MB #20.0000 &2.0 SOIL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:07:38 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00

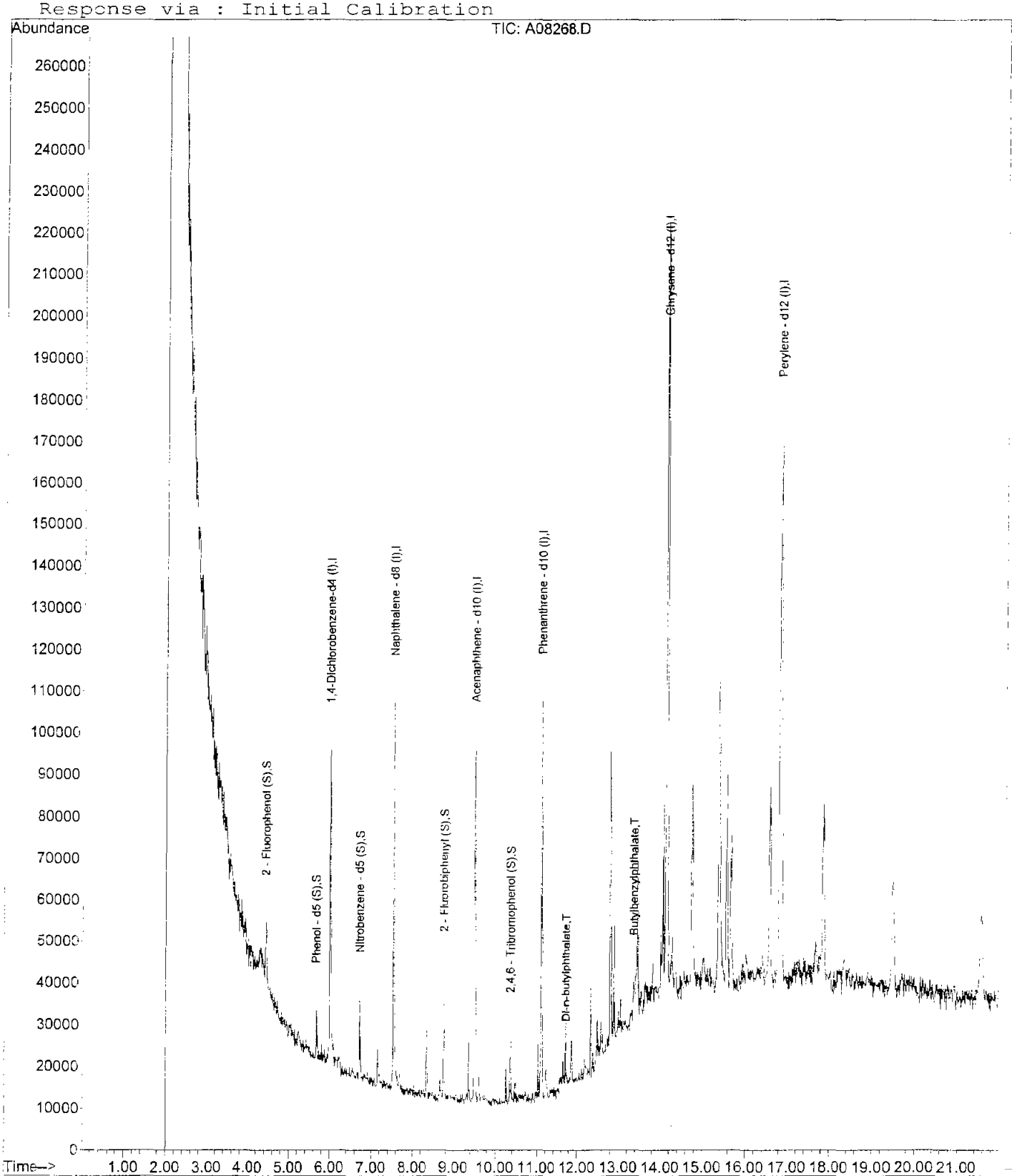
Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:07:34 2004
Response via : Initial Calibration
DataAcq Meth :

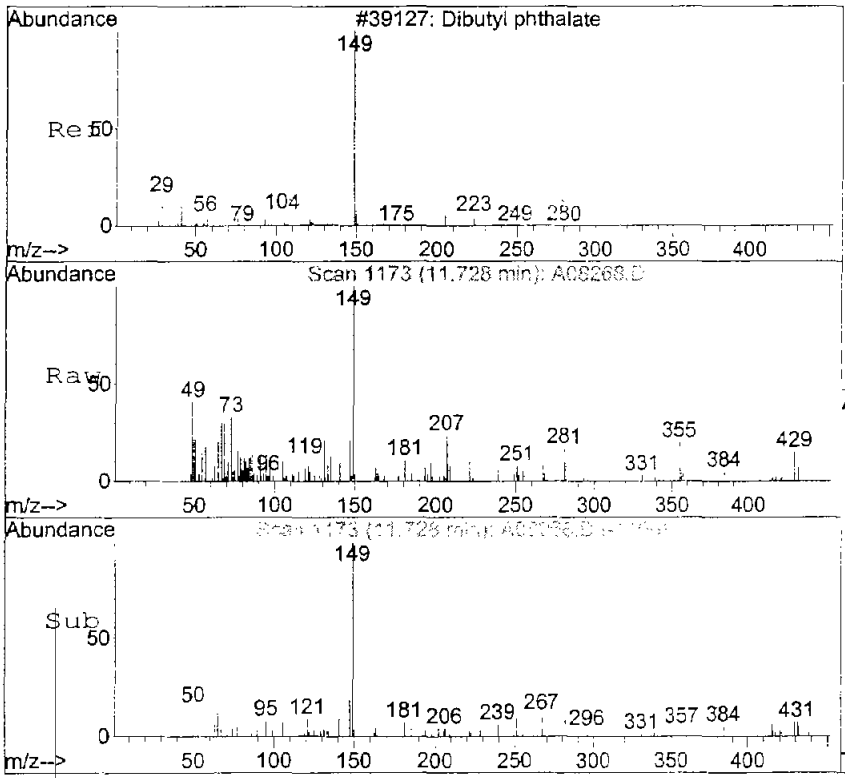
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.01	152	19429	1000.00	ug/L	0.00
22) Naphthalene - d8 (I)	7.54	136	71118	1000.00	ug/L	0.00
38) Acenaphthene - d10 (I)	9.51	162	43951	1000.00	ug/L	0.00
62) Phenanthrene - d10 (I)	11.10	188	67839	1000.00	ug/L	0.00
79) Chrysene - d12 (I)	14.14	240	191364	1000.00	ul/l	0.00
85) Perylene - d12 (I)	16.84	264	229578	1000.00	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.44	112	6111	394.13	ug/L	0.00
7) Phenol - d5 (S)	5.67	99	6662	395.37	ug/L	0.00
23) Nitrobenzene - d5 (S)	6.72	82	6990	387.98	ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.76	172	13144	393.30	ug/L	0.01
65) 2,4,6 - Tribromophenol (S)	10.36	330	3202	399.62	ug/L	-0.02
78) p - Terphenyl - d14 (S)	12.80	244	28725	593.95	ug/L	-0.01
Target Compounds						Qvalue
74) Di-n-butylphthalate	11.73	149	3088	35.06	ug/L	82
80) Butylbenzylphthalate	13.37	149	2719	27.42	ug/L	53

Data File : W:\112404\A08268.D Vial: 0
Acq On : 24 Nov 2004 14:12 Operator: CLZ
Sample : SS1281 MB #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:08 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:07:34 2004
Response via : Initial Calibration



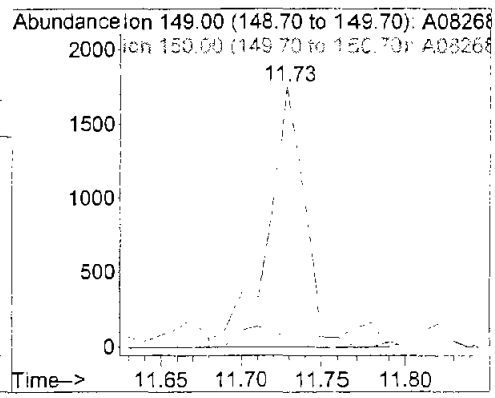
00519

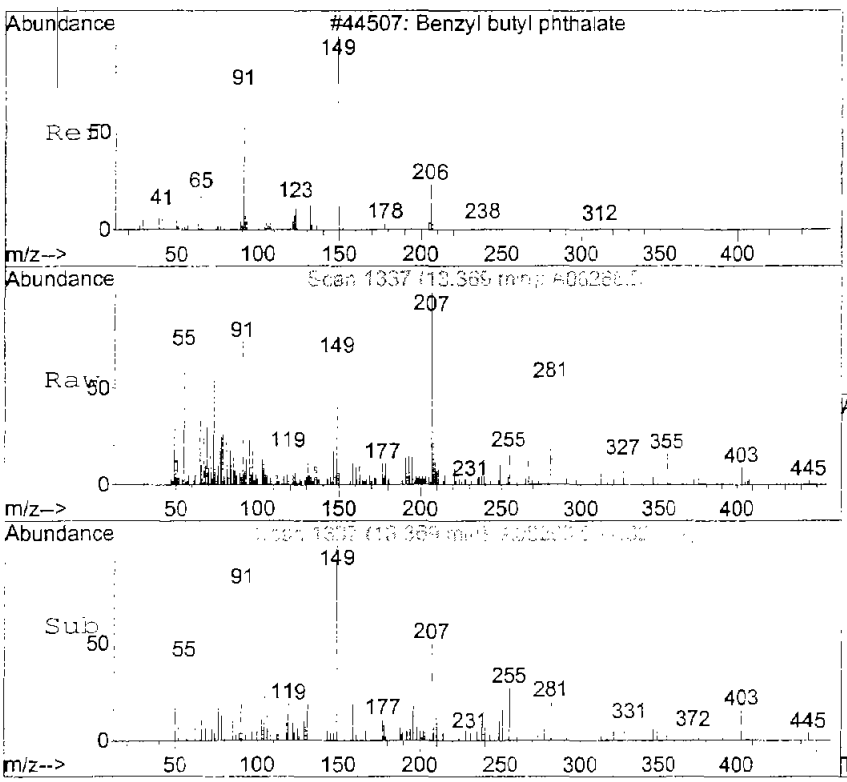


#74
Di-n-butylphthalate
Concen: 35.06 ug/L
RT: 11.73 min Scan# 1173
Delta R.T. -0.03 min
Lab File: A08268.D
Acq: 24 Nov 2004 14:12

Tgt Ion:149 Resp: 3088

Ion	Ratio	Lower	Upper
149	100		
150	14.4	0.0	47.9

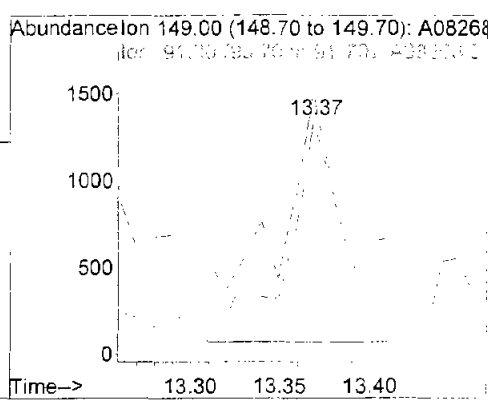




#80
Butylbenzylphthalate
Concen: 27.42 ug/L
RT: 13.37 min Scan# 1337
Delta R.T. 0.00 min
Lab File: A08268.D
Acq: 24 Nov 2004 14:12

Tgt Ion:149 Resp: 2719

Ion	Ratio	Lower	Upper
149	100		
91	92.9	18.1	98.1



BLANK SPIKE

00521

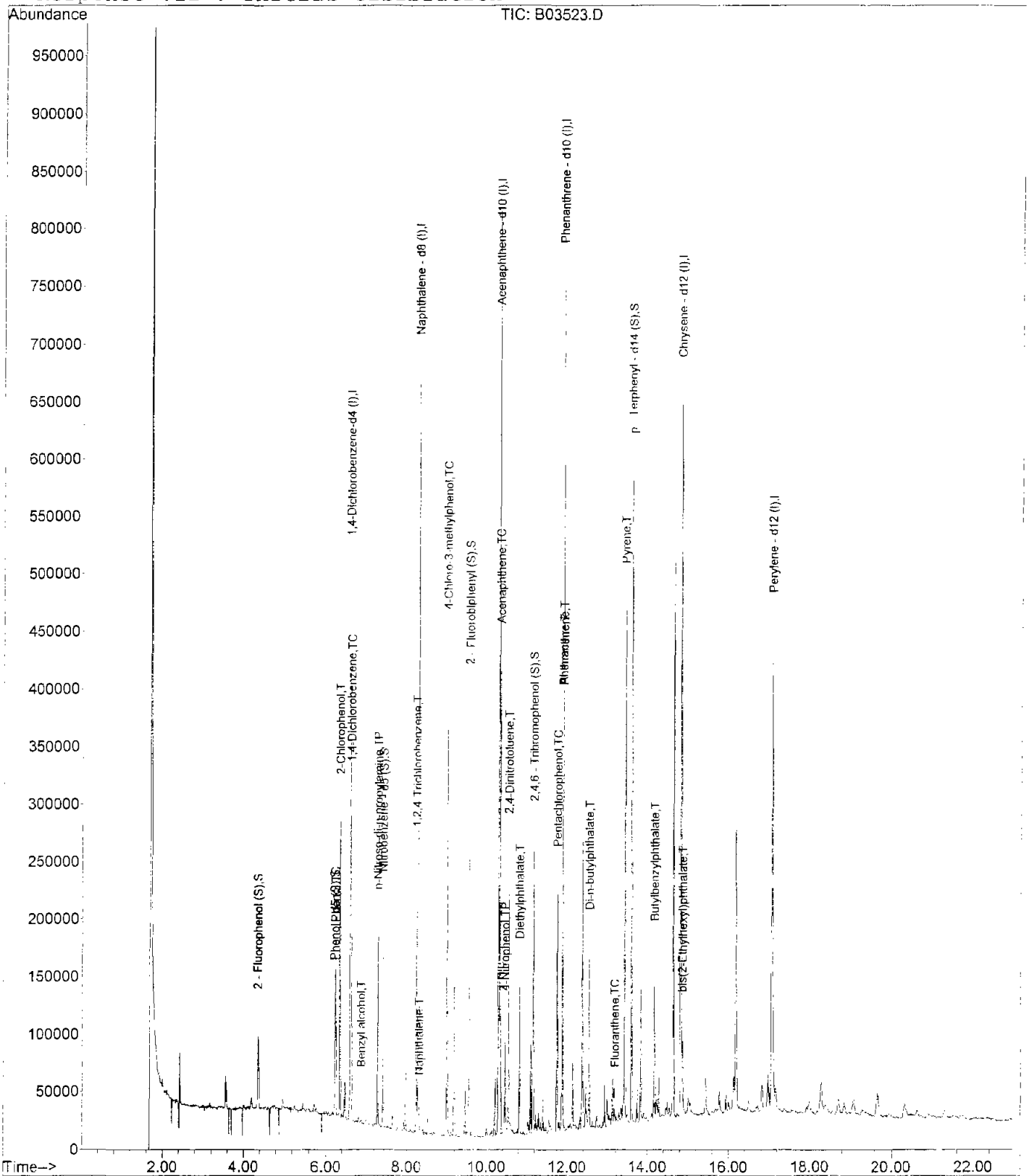
Data File : U:\DATA\112304\B03523.D Vial: 0
Acq On : 23 Nov 2004 10:30 Operator: CLZ
Sample : SW1034 BS #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:13:04 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.60	152	64988	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.29	136	280797	1000.00	ug/L		0.00
36) Acenaphthene - d10 (I)	10.30	162	183086	1000.00	ug/L		0.00
60) Phenanthrene - d10 (I)	11.88	188	294101	1000.00	ug/L		0.00
77) Chrysene - d12 (I)	14.81	240	406960+	1000.00	ug/L		0.01
83) Perylene - d12 (I)	17.07	264	479422+	1000.00	ug/L		0.02
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.36	112	28421	413.99	ug/L		0.00
6) Phenol - d5 (S)	6.22	99	24899	307.35	ug/L		0.00
21) Nitrobenzene - d5 (S)	7.42	82	51266	663.23	ug/L		-0.03
41) 2 - Fluorobiphenyl (S)	9.57	172	108373	768.76	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	11.16	330	37860	675.08	ug/L		0.00
76) p - Terphenyl - d14 (S)	13.60	244	215570	858.79	ug/L		0.00
Target Compounds							Qvalue
7) Phenol	6.23	94	39951	466.57	ug/L		99
9) 2-Chlorophenol	6.34	128	80899	998.58	ug/L		100
12) 1,4-Dichlorobenzene	6.62	146	56701	736.16	ug/L		85
13) Benzyl alcohol	6.88	79	2449	25.01	ug/L	#	43
18) n-Nitroso-di-n-propylamine	7.29	70	38627	743.01	ug/L		95
29) 1,2,4-Trichlorobenzene	8.25	180	42856	765.12	ug/L		100
30) Naphthalene	8.31	128	1925	8.85	ug/L		41
33) 4-Chloro-3-methylphenol	9.01	107	126080+	1141.88	ug/L		100
49) Acenaphthene	10.33	153	107079	710.45	ug/L		100
51) 4-Nitrophenol	10.46	109	11916	670.52	ug/L	#	55
53) 2,4-Dinitrotoluene	10.55	165	33122	770.46	ug/L		89
56) Diethylphthalate	10.82	149	2664	21.82	ug/L	#	55
67) Pentachlorophenol	11.75	266	27577	578.84	ug/L		100
68) Phenanthrene	11.90	178	685	3.17	ug/L		98
69) Anthracene	11.90	178	710	3.08	ug/L		95
72) Di-n-butylphthalate	12.55	149	77478	316.46	ug/L		94
73) Fluoranthene	13.19	202	3023	10.51	ug/L		60
74) Pyrene	13.43	202	209542	716.23	ug/L		90
78) Butylbenzylphthalate	14.17	149	31160	261.57	ug/L		85
82) bis(2-Ethylhexyl)phthalate	14.87	149	26515	137.82	ug/L		97

Data File : U:\DATA\112304\B03523.D Vial: 0
Acq On : 23 Nov 2004 10:30 Operator: CLZ
Sample : SW1034 BS #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:13 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration



Data File : U:\DATA\112304\B03524.D Vial: 0
Acq On : 23 Nov 2004 10:58 Operator: CLZ
Sample : SW1034 BSD #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 11:08:28 2004 Quant Results File: 111604.RES

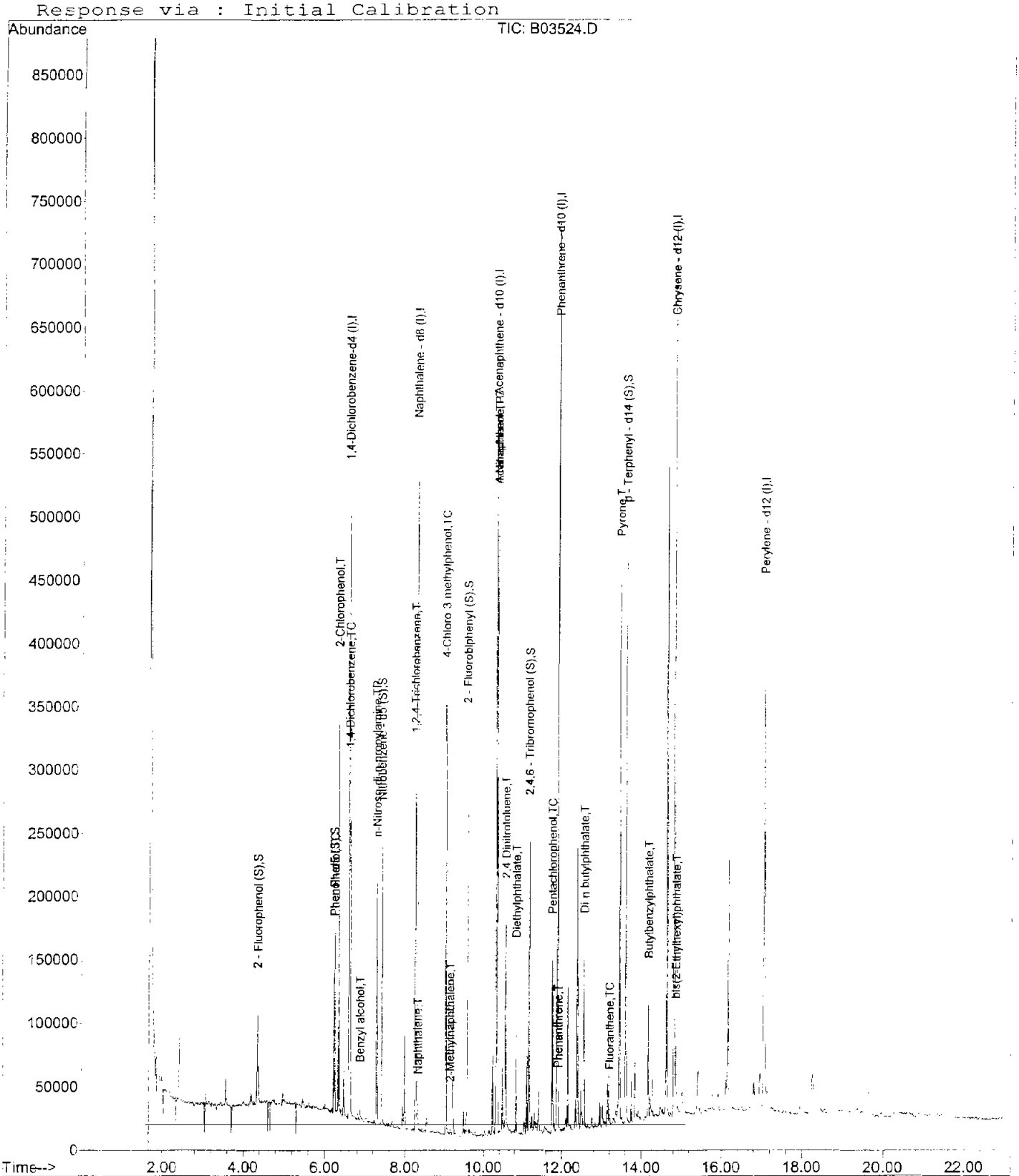
Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 11:08:24 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.61	152	71706	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.30	136	291342	1000.00	ug/L		0.00
36) Acenaphthene - d10 (I)	10.32	162	159574	1000.00	ug/L		0.01
60) Phenanthrene - d10 (I)	11.90	188	278320	1000.00	ug/L		0.01
77) Chrysene - d12 (I)	14.82	240	418290+	1000.00	ul/l		0.02
83) Perylene - d12 (I)	17.06	264	459522+	1000.00	ug/L		0.01
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.36	112	30520	402.92	ug/L		-0.01
6) Phenol - d5 (S)	6.23	99	26523	296.73	ug/L		0.00
21) Nitrobenzene - d5 (S)	7.43	82	59690	744.26	ug/L		-0.02
41) 2 - Fluorobiphenyl (S)	9.58	172	103354	841.18	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	11.17	330	36559	688.85	ug/L		0.00
76) p - Terphenyl - d14 (S)	13.61	244	206702	870.16	ug/L		0.00
Target Compounds							Qvalue
7) Phenol	6.25	94	44207	467.90	ug/L		100
9) 2-Chlorophenol	6.35	128	80493	900.48	ug/L		100
12) 1,4-Dichlorobenzene	6.63	146	57125	672.18	ug/L		86
13) Benzyl alcohol	6.89	79	2989	27.67	ug/L		84
18) n-Nitroso-di-n-propylamine	7.30	70	46167	804.85	ug/L		87
29) 1,2,4-Trichlorobenzene	8.26	180	45662	785.71	ug/L		100
30) Naphthalene	8.33	128	2324	10.30	ug/L		6
33) 4-Chloro-3-methylphenol	9.02	107	149830+	1307.86	ug/L		99
34) 2-Methylnaphthalene	9.14	141	523	5.04	ug/L	#	45
49) Acenaphthene	10.35	153	109171	831.06	ug/L		100
51) 4-Nitrophenol	10.35	109	905	58.43	ug/L	#	13
53) 2,4-Dinitrotoluene	10.56	165	26942	719.05	ug/L		83
56) Diethylphthalate	10.83	149	2540	23.86	ug/L		100
67) Pentachlorophenol	11.76	266	21218	470.62	ug/L		100
68) Phenanthrene	11.92	178	678	3.31	ug/L		90
72) Di-n-butylphthalate	12.56	149	55309	238.72	ug/L		94
73) Fluoranthene	13.20	202	3222	11.84	ug/L	#	86
74) Pyrene	13.45	202	220216	795.39	ug/L		89
78) Butylbenzylphthalate	14.18	149	25295	206.59	ug/L		84
82) bis(2-Ethylhexyl)phthalate	14.87	149	18183	91.95	ug/L		96

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

Data File : U:\DATA\112304\B03524.D Vial: 0
Acq On : 23 Nov 2004 10:58 Operator: CLZ
Sample : SW1034 BSD #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 11:09 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 11:08:24 2004
Response via : Initial Calibration



Data File : U:\DATA\112304\B03524.D Vial: 0
Acq On : 23 Nov 2004 10:58 Operator: CLZ
Sample : SW1034 BSD #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 11:12:36 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 11:12:30 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.61	152	71706	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.30	136	291342	1000.00	ug/L		0.00
36) Acenaphthene - d10 (I)	10.32	162	159574	1000.00	ug/L		0.01
60) Phenanthrene - d10 (I)	11.90	188	278320	1000.00	ug/L		0.01
77) Chrysene - d12 (I)	14.82	240	418290+	1000.00	ul/l		0.02
83) Perylene - d12 (I)	17.06	264	459522+	1000.00	ug/L		0.01
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.36	112	30520	402.92	ug/L		-0.01
6) Phenol - d5 (S)	6.23	99	26523	296.73	ug/L		0.00
21) Nitrobenzene - d5 (S)	7.43	82	59690	744.26	ug/L		-0.02
41) 2 - Fluorobiphenyl (S)	9.58	172	103354	841.18	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	11.17	330	36559	688.85	ug/L		0.00
76) p - Terphenyl - d14 (S)	13.61	244	206702	870.16	ug/L		0.00
Target Compounds							Qvalue
7) Phenol	6.25	94	44207	467.90	ug/L		100
9) 2-Chlorophenol	6.35	128	80493	900.48	ug/L		100
12) 1,4-Dichlorobenzene	6.63	146	57125	672.18	ug/L		86
13) Benzyl alcohol	6.89	79	2989	27.67	ug/L		84
18) n-Nitroso-di-n-propylamine	7.30	70	46167	804.85	ug/L		87
29) 1,2,4-Trichlorobenzene	8.26	180	45662	785.71	ug/L		100
30) Naphthalene	8.33	128	2324	10.30	ug/L		6
33) 4-Chloro-3-methylphenol	9.02	107	149830+	1307.86	ug/L		99
34) 2-Methylnaphthalene	9.14	141	523	5.04	ug/L	#	45
49) Acenaphthene	10.35	153	109171	831.06	ug/L		100
51) 4-Nitrophenol	10.48	109	12128	783.00	ug/L		93
53) 2,4-Dinitrotoluene	10.56	165	26942	719.05	ug/L		83
56) Diethylphthalate	10.83	149	2540	23.86	ug/L		100
67) Pentachlorophenol	11.76	266	21218	470.62	ug/L		100
68) Phenanthrene	11.92	178	678	3.31	ug/L		90
71) Carbazole	12.15	167	853	4.49	ug/L	#	62
72) Di-n-butylphthalate	12.56	149	55309	238.72	ug/L		94
73) Fluoranthene	13.20	202	3222	11.84	ug/L	#	86
74) Pyrene	13.45	202	220216	795.39	ug/L		89
78) Butylbenzylphthalate	14.18	149	25295	206.59	ug/L		84
82) bis(2-Ethylhexyl)phthalate	14.87	149	18183	91.95	ug/L		96
84) Di-n-octylphthalate	15.71	149	3319	9.42	ug/L	#	74

(#) = qualifier out of range (m) = manual integration (+) = signals summed
B03524.D 111604.M Tue Nov 30 11:13:41 2004 Page 1

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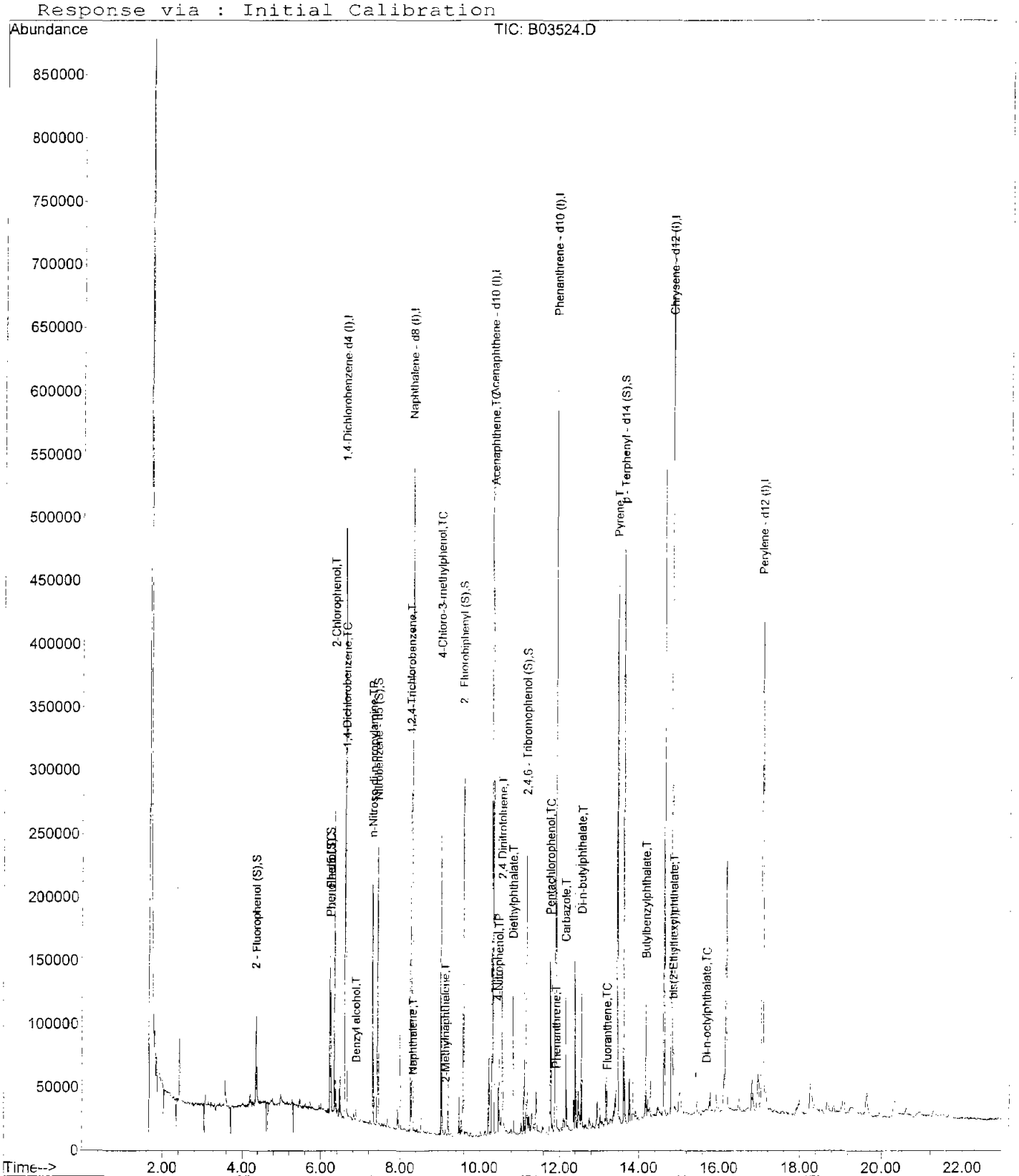
Data File : U:\DATA\112304\B03524.D Vial: 0
Acq On : 23 Nov 2004 10:58 Operator: CLZ
Sample : SW1034 BSD #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 11:13 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 11:12:30 2004
Response via : Initial Calibration



Data File : W:\112404\A08269.D Vial: 0
Acq On : 24 Nov 2004 15:21 Operator: CLZ
Sample : SS1281 BS #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:09:15 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:07:34 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIcn	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.01	152	72394	1000.00	ug/L	0.00
22) Naphthalene - d8 (I)	7.53	136	261576	1000.00	ug/L	0.00
38) Acenaphthene - d10 (I)	9.50	162	141619	1000.00	ug/L	0.00
62) Phenanthrene - d10 (I)	11.09	188	159483	1000.00	ug/L	-0.01
79) Chrysene - d12 (I)	14.13	240	343942	1000.00	ul/l	0.00
85) Perylene - d12 (I)	16.84	264	433666	1000.00	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.45	112	19856	343.69	ug/L	0.01
7) Phenol - d5 (S)	5.68	99	27039	430.66	ug/L	0.00
23) Nitrobenzene - d5 (S)	6.72	82	25100	378.78	ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.76	172	42152	391.43	ug/L	0.00
65) 2,4,6 - Tribromophenol (S)	10.36	330	7089	376.34	ug/L	-0.02
78) p - Terphenyl - d14 (S)	12.80	244	34743	305.58	ug/L	-0.01
Target Compounds						Qvalue
8) Phenol	5.69	94	32806	471.15	ug/L	59
10) 2-Chlorophenol	5.81	128	36585	546.79	ug/L	54
13) 1,4-Dichlorobenzene	6.03	146	30458	386.12	ug/L	75
19) n-Nitroso-di-n-propylamine	6.58	70	14313	330.24	ug/L	86
31) 1,2,4-Trichlorobenzene	7.49	180	23006	368.98	ug/L	91
35) 4-Chloro-3-methylphenol	8.20	107	37875	478.52	ug/L	71
51) Acenaphthene	9.53	153	46676	405.94	ug/L	100
53) 4-Nitrophenol	9.67	109	14465	478.47	ug/L	93
55) 2,4-Dinitrotoluene	9.73	165	10624	216.70	ug/L	87
69) Pentachlorophenol	10.96	266	4982	269.58	ug/L	79
74) Di-n-butylphthalate	11.73	149	3620	17.48	ug/L	99
76) Pyrene	12.65	202	50001	375.76	ug/L	66
80) Butylbenzylphthalate	13.37	149	4157	23.32	ug/L	92
84) bis(2-Ethylhexyl)phthalate	14.12	149	11119	35.43	ug/L	71

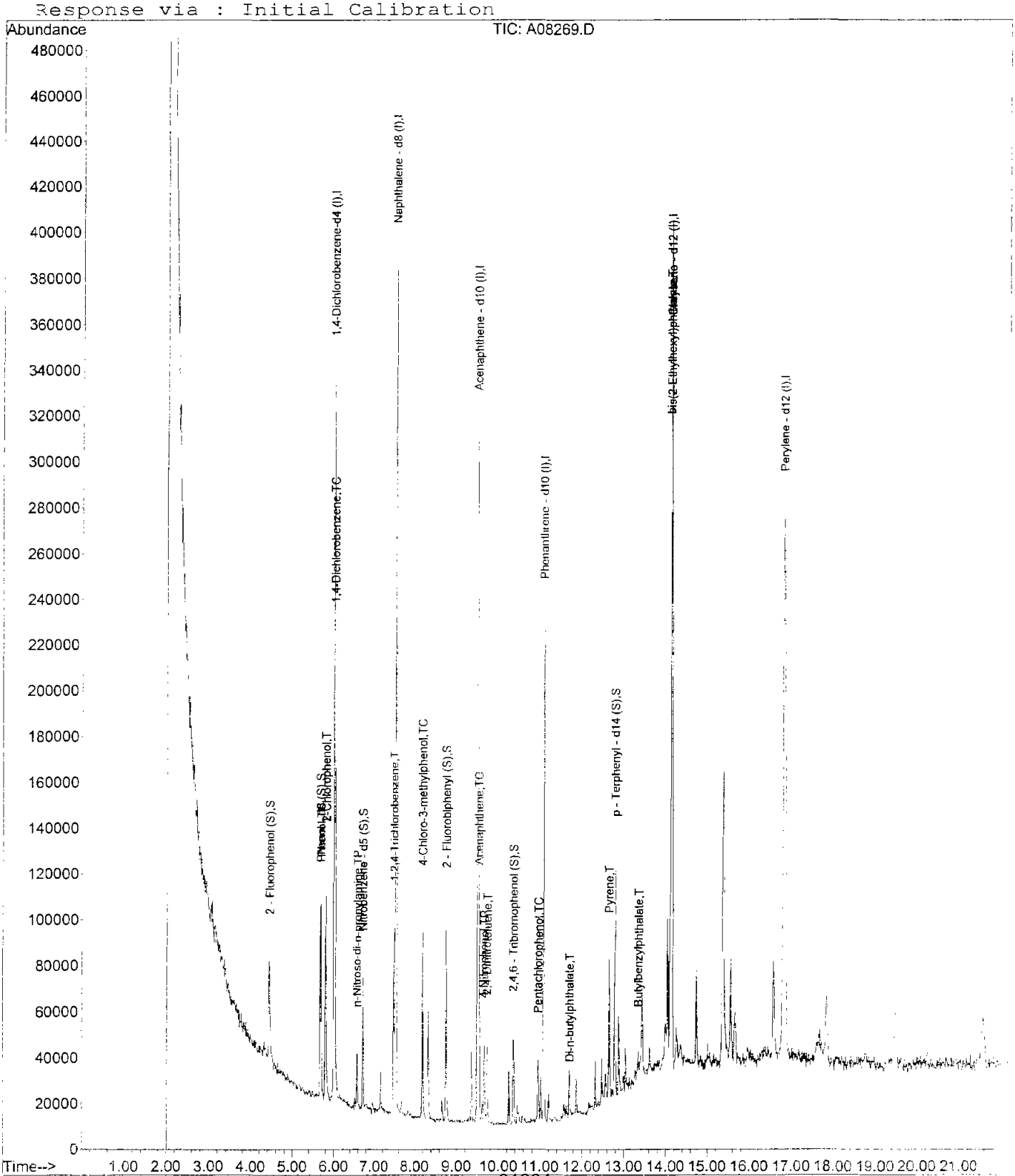
Quantitation Report (QT Reviewed)

Data File : W:\112404\A08269.D
Acq On : 24 Nov 2004 15:21
Sample : SS1281 BS #20.0000 &2.0 SOIL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:10 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 : Tue Nov 30 08:07:34 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\112404\A08270.D Vial: 0
Acq On : 24 Nov 2004 15:48 Operator: CLZ
Sample : SS1281 BSD #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:10:29 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:07:34 2004
Response via : Initial Calibration
DataAcq Meth :

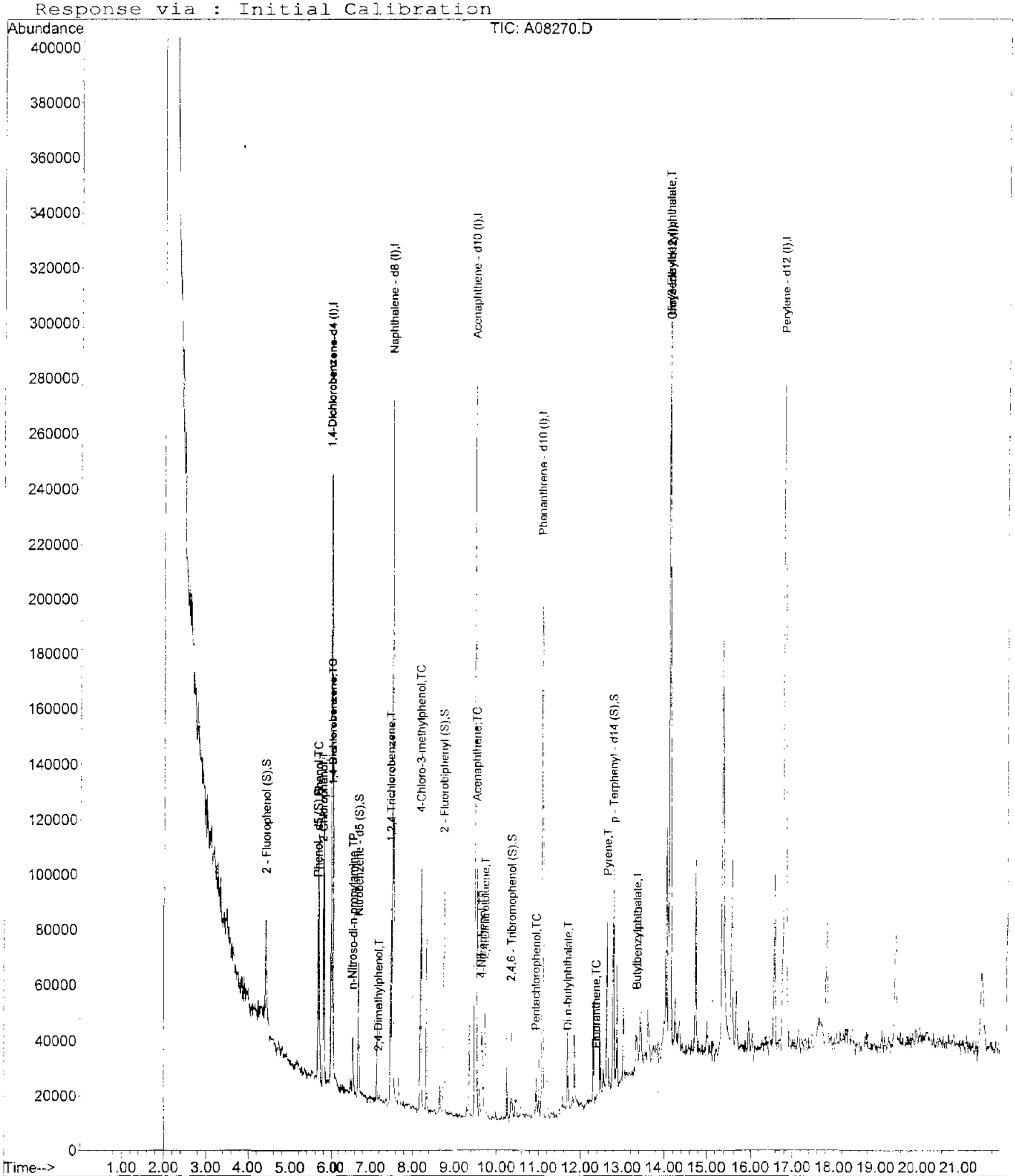
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.00	152	52794	1000.00	ug/L	-0.01
22) Naphthalene - d8 (I)	7.53	136	204266	1000.00	ug/L	0.00
38) Acenaphthene - d10 (I)	9.50	162	122301	1000.00	ug/L	0.00
62) Phenanthrene - d10 (I)	11.09	188	145850	1000.00	ug/L	-0.01
79) Chrysene - d12 (I)	14.14	240	282601	1000.00	ul/l	0.00
85) Perylene - d12 (I)	16.83	264	427088	1000.00	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.43	112	17518	415.80	ug/L	0.00
7) Phenol - d5 (S)	5.66	99	21876	477.78	ug/L	-0.01
23) Nitrobenzene - d5 (S)	6.71	82	21127	408.28	ug/L	0.02
43) 2 - Fluorobiphenyl (S)	8.76	172	41058	441.50	ug/L	0.00
65) 2,4,6 - Tribromophenol (S)	10.36	330	5836	338.78	ug/L	-0.02
78) p - Terphenyl - d14 (S)	12.79	244	30046	288.97	ug/L	-0.02
Target Compounds						Qvalue
8) Phenol	5.68	94	35579	700.68	ug/L	73
10) 2-Chlorophenol	5.79	128	30816	631.55	ug/L	56
13) 1,4-Dichlorobenzene	6.03	146	27000	469.36	ug/L	83
19) n-Nitroso-di-n-propylamine	6.57	70	14811	468.60	ug/L	85
27) 2,4-Dimethylphenol	7.19	107	155	2.26	ug/L	99
31) 1,2,4-Trichlorobenzene	7.48	180	19905	408.81	ug/L	87
35) 4-Chloro-3-methylphenol	8.20	107	35518	574.64	ug/L	85
51) Acenaphthene	9.53	153	49584	499.34	ug/L	100
53) 4-Nitrophenol	9.66	109	12921	494.91	ug/L	90
55) 2,4-Dinitrotoluene	9.73	165	12289	290.25	ug/L	92
69) Pentachlorophenol	10.95	266	2716	160.70	ug/L	80
74) Di-n-butylphthalate	11.72	149	1913	10.10	ug/L	87
75) Fluoranthene	12.39	202	637	5.29	ug/L	56
76) Pyrene	12.65	202	45062	370.29	ug/L	67
80) Butylbenzylphthalate	13.36	149	4572	31.22	ug/L	81
84) bis(2-Ethylhexyl)phthalate	14.13	149	12021	46.62	ug/L	76

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

31266
00530

Data File : W:\112404\A08270.D Vial: 0
Acq On : 24 Nov 2004 15:48 Operator: CLZ
Sample : SS1281 BSD #20.0000 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:12 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:07:34 2004
Response via : Initial Calibration



MATIX SPIKE / MATRIX SPIKE DUPLICATE

00532

Data File : U:\DATA\112304\B03525.D Vial: 0
Acq On : 23 Nov 2004 11:26 Operator: CLZ
Sample : 124993-11 MS SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:24:24 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.61	152	64784	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.30	136	248241	1000.00	ug/L		0.01
36) Acenaphthene - d10 (I)	10.31	162	144646	1000.00	ug/L		0.01
60) Phenanthrene - d10 (I)	11.90	188	250472	1000.00	ug/L		0.02
77) Chrysene - d12 (I)	14.82	240	418402+	1000.00	ul/l		0.02
83) Perylene - d12 (I)	17.07	264	441923+	1000.00	ug/L		0.02
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.36	112	11222	163.98	ug/L		-0.01
6) Phenol - d5 (S)	6.23	99	14975	185.43	ug/L		0.01
21) Nitrobenzene - d5 (S)	7.43	82	45751	669.50	ug/L		-0.02
41) 2 - Fluorobiphenyl (S)	9.58	172	91438	821.01	ug/L		0.02
63) 2,4,6 - Tribromophenol (S)	11.17	330	20096	420.75	ug/L		0.01
76) p - Terphenyl - d14 (S)	13.61	244	174296	815.32	ug/L		0.00
Target Compounds							Qvalue
7) Phenol	6.25	94	23494	275.24	ug/L		93
9) 2-Chlorophenol	6.35	128	46839	579.98	ug/L		94
12) 1,4-Dichlorobenzene	6.63	146	43264	563.47	ug/L		85
13) Benzyl alcohol	6.89	79	3040	31.15	ug/L		88
18) n-Nitroso-di-n-propylamine	7.30	70	18223	351.63	ug/L		96
29) 1,2,4-Trichlorobenzene	8.26	180	36266	732.38	ug/L		100
30) Naphthalene	8.33	128	3337	17.35	ug/L		32
33) 4-Chloro-3-methylphenol	9.02	107	91766-	940.10	ug/L		99
34) 2-Methylnaphthalene	9.14	141	666	7.53	ug/L	#	1
49) Acenaphthene	10.35	153	96075	806.85	ug/L		100
51) 4-Nitrophenol	10.48	109	3382	240.88	ug/L	#	56
53) 2,4-Dinitrotoluene	10.56	165	16775	493.91	ug/L		97
56) Diethylphthalate	10.83	149	1924	19.94	ug/L	#	55
67) Pentachlorophenol	11.76	266	9658	238.03	ug/L		100
68) Phenanthrene	11.92	178	834	4.53	ug/L		81
72) Di-n-butylphthalate	12.56	149	35228	168.96	ug/L		97
73) Fluoranthene	13.20	202	3106	12.68	ug/L		64
74) Pyrene	13.45	202	194402	780.22	ug/L		89
78) Butylbenzylphthalate	14.18	149	24249	197.99	ug/L		81
82) bis(2-Ethylhexyl)phthalate	14.87	149	52647	266.17	ug/L		97
84) Di-n-octylphthalate	15.70	149	5444	16.07	ug/L	#	74

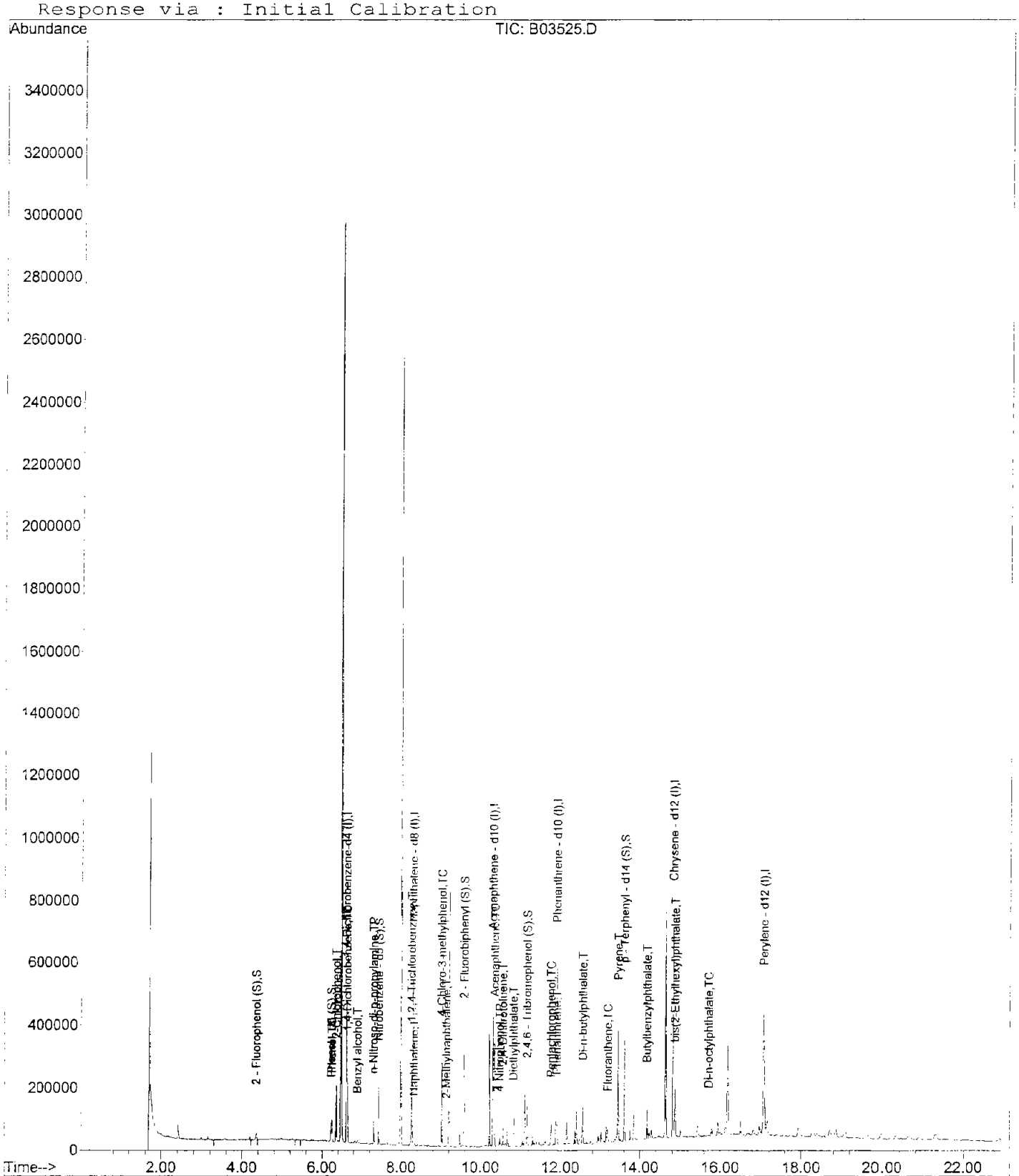
(#) = qualifier out of range (m) = manual integration (+) = signals summed

31272
00533

Quantitation Report (QT Reviewed)

Data File : U:\DATA\112304\B03525.D Vial: 0
Acq On : 23 Nov 2004 11:26 Operator: CLZ
Sample : 124993-11 MS SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:25 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration



Data File : U:\DATA\112304\B03526.D Vial: 0
Acq On : 23 Nov 2004 11:54 Operator: CLZ
Sample : 124993-11 MSD SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:29:43 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:29:38 2004
Response via : Initial Calibration
DataAcq Meth :

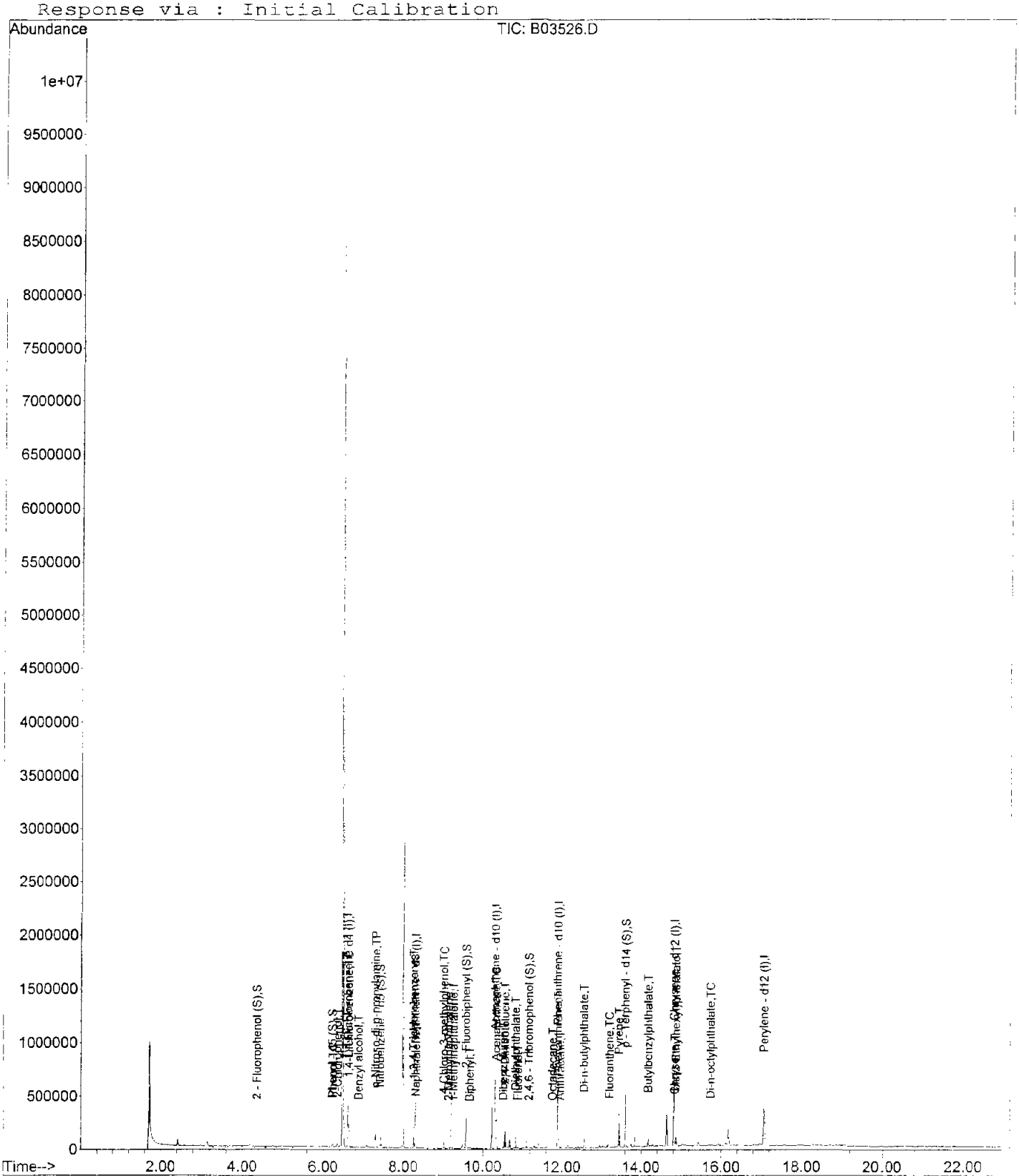
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.61	152	61363	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.30	136	227935	1000.00	ug/L		0.00
36) Acenaphthene - d10 (I)	10.31	162	148126	1000.00	ug/L		0.00
60) Phenanthrene - d10 (I)	11.89	188	262006	1000.00	ug/L		0.00
77) Chrysene - d12 (I)	14.82	240	422612+	1000.00	ul/l		0.00
83) Perylene - d12 (I)	17.07	264	470211+	1000.00	ug/L		0.00
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.37	112	1143	17.63	ug/L		0.00
6) Phenol - d5 (S)	6.22	99	4842	63.30	ug/L		0.00
21) Nitrobenzene - d5 (S)	7.42	82	47839	762.42	ug/L		-0.04
41) 2 - Fluorobiphenyl (S)	9.58	172	85372	748.53	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	11.17	330	1603	32.08	ug/L		0.00
76) p - Terphenyl - d14 (S)	13.61	244	157826	705.77	ug/L		0.00
Target Compounds							Qvalue
7) Phenol	6.24	94	7742	95.76	ug/L		96
9) 2-Chlorophenol	6.35	128	7457	97.48	ug/L		87
12) 1,4-Dichlorobenzene	6.63	146	46081	633.62	ug/L		88
13) Benzyl alcohol	6.88	79	2725	29.48	ug/L		88
18) n-Nitroso-di-n-propylamine	7.30	70	37574	765.45	ug/L		98
29) 1,2,4-Trichlorobenzene	8.26	180	36812	809.64	ug/L		100
30) Naphthalene	8.32	128	21824	123.60	ug/L		99
33) 4-Chloro-3-methylphenol	9.02	107	25746+	287.25	ug/L		96
34) 2-Methylnaphthalene	9.14	141	2843	35.02	ug/L	#	26
35) 1-Methylnaphthalene	9.26	141	1241	14.83	ul/l	#	17
43) Biphenyl	9.67	154	967	6.43	ug/L	#	38
49) Acenaphthene	10.34	153	96331	789.99	ug/L		100
52) Dibenzofuran	10.52	168	4943	39.21	ug/L		90
53) 2,4-Dinitrotoluene	10.56	165	25096	721.54	ug/L		90
56) Diethylphthalate	10.83	149	2515	25.46	ug/L	#	55
57) Fluorene	10.89	166	4019	30.46	ug/L		91
68) Phenanthrene	11.91	178	26352	136.83	ug/L		96
69) Anthracene	11.96	178	5193	25.29	ug/L		100
70) Octadecane	11.76	57	1295	18.70	ug/L		81
72) Di-n-butylphthalate	12.56	149	41146	188.65	ug/L		94
73) Fluoranthene	13.20	202	11606	45.29	ug/L		80
74) Pyrene	13.44	202	196100	752.39	ug/L		89
78) Butylbenzylphthalate	14.18	149	19144	154.75	ug/L		82
81) Chrysene	14.84	228	871	3.50	ug/L		7
82) bis(2-Ethylhexyl)phthalate	14.87	149	30196	151.14	ug/L		100
84) Di-n-octylphthalate	15.74	149	4358	12.09	ug/L		87

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

31276
00535

Data File : U:\DATA\112304\B03526.D Vial: 0
Acq On : 23 Nov 2004 11:54 Operator: CLZ
Sample : 124993-11 MSD SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:30 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:29:38 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\112404\A08271.D Vial: 0
Acq On : 24 Nov 2004 16:15 Operator: CLZ
Sample : 124993-7 MS SS1281 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:13:05 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:13:00 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.02	152	47637	1000.00	ug/L	0.01
22) Naphthalene - d8 (I)	7.55	136	183003	1000.00	ug/L	0.01
38) Acenaphthene - d10 (I)	9.52	162	103838	1000.00	ug/L	0.01
62) Phenanthrene - d10 (I)	11.11	188	190556	1000.00	ug/L	0.01
79) Chrysene - d12 (I)	14.15	240	375579	1000.00	ul/l	0.01
85) Perylene - d12 (I)	16.84	264	405891	1000.00	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.44	112	12908	339.54	ug/L	0.00
7) Phenol - d5 (S)	5.68	99	15835	383.28	ug/L	0.01
23) Nitrobenzene - d5 (S)	6.73	82	14570	314.28	ug/L	0.04
43) 2 - Fluorobiphenyl (S)	8.77	172	23645	299.46	ug/L	0.02
65) 2,4,6 - Tribromophenol (S)	10.38	330	5779	256.76	ug/L	0.00
78) p - Terphenyl - d14 (S)	12.81	244	68793	506.39	ug/L	0.00
Target Compounds						Qvalue
8) Phenol	5.69	94	22182	484.13	ug/L	78
10) 2-Chlorophenol	5.81	128	17183	390.28	ug/L	50
13) 1,4-Dichlorobenzene	6.04	146	10577	203.77	ug/L	82
19) n-Nitroso-di-n-propylamine	6.59	70	9105	319.26	ug/L	91
31) 1,2,4-Trichlorobenzene	7.49	180	9836	225.48	ug/L	88
35) 4-Chloro-3-methylphenol	8.22	107	22351	403.63	ug/L	84
45) Biphenyl	8.90	154	807	9.29	ug/L	52
51) Acenaphthene	9.55	153	26671	316.35	ug/L	100
53) 4-Nitrophenol	9.68	109	13551	611.33	ug/L	89
55) 2,4-Dinitrotoluene	9.75	165	9934	276.35	ug/L	89
69) Pentachlorophenol	10.97	266	9538	431.94	ug/L	72
74) Di-n-butylphthalate	11.74	149	3243	13.11	ug/L	80
76) Pyrene	12.67	202	67048	421.70	ug/L	63
84) bis(2-Ethylhexyl)phthalate	14.14	149	104348	304.49	ug/L	82

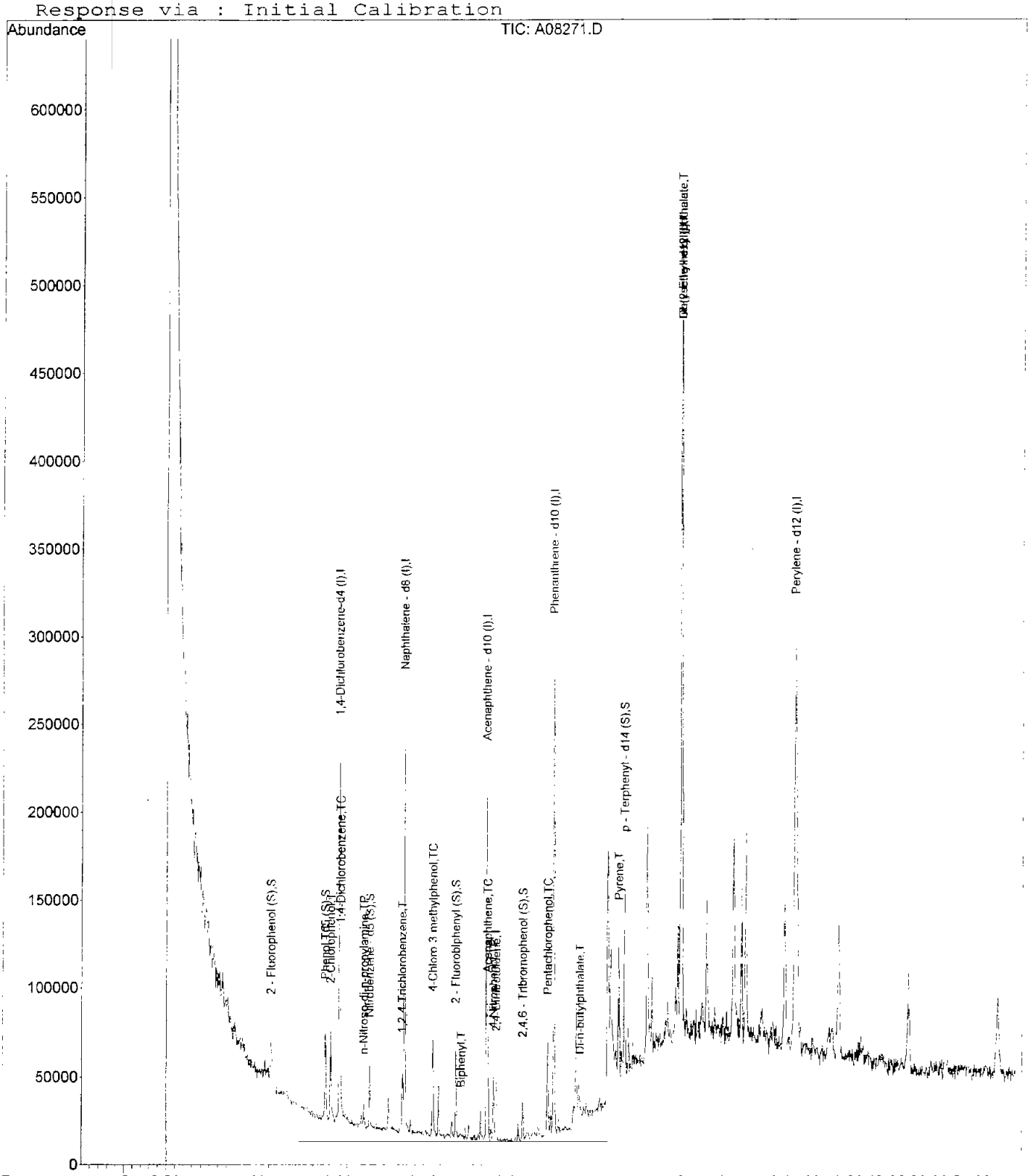
Quantitation Report (QT Reviewed)

Data File : W:\112404\A08271.D
Acq On : 24 Nov 2004 16:15
Sample : 124993-7 MS SS1281 &2.0 SOIL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:14 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 : Tue Nov 30 08:13:00 2004
Response via : Initial Calibration



Data File : W:\112404\A08272.D Vial: 0
Acq On : 24 Nov 2004 16:41 Operator: CLZ
Sample : 124993-7 MSD SS1281 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:14:38 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:13:00 2004
Response via : Initial Calibration
DataAcq Meth :

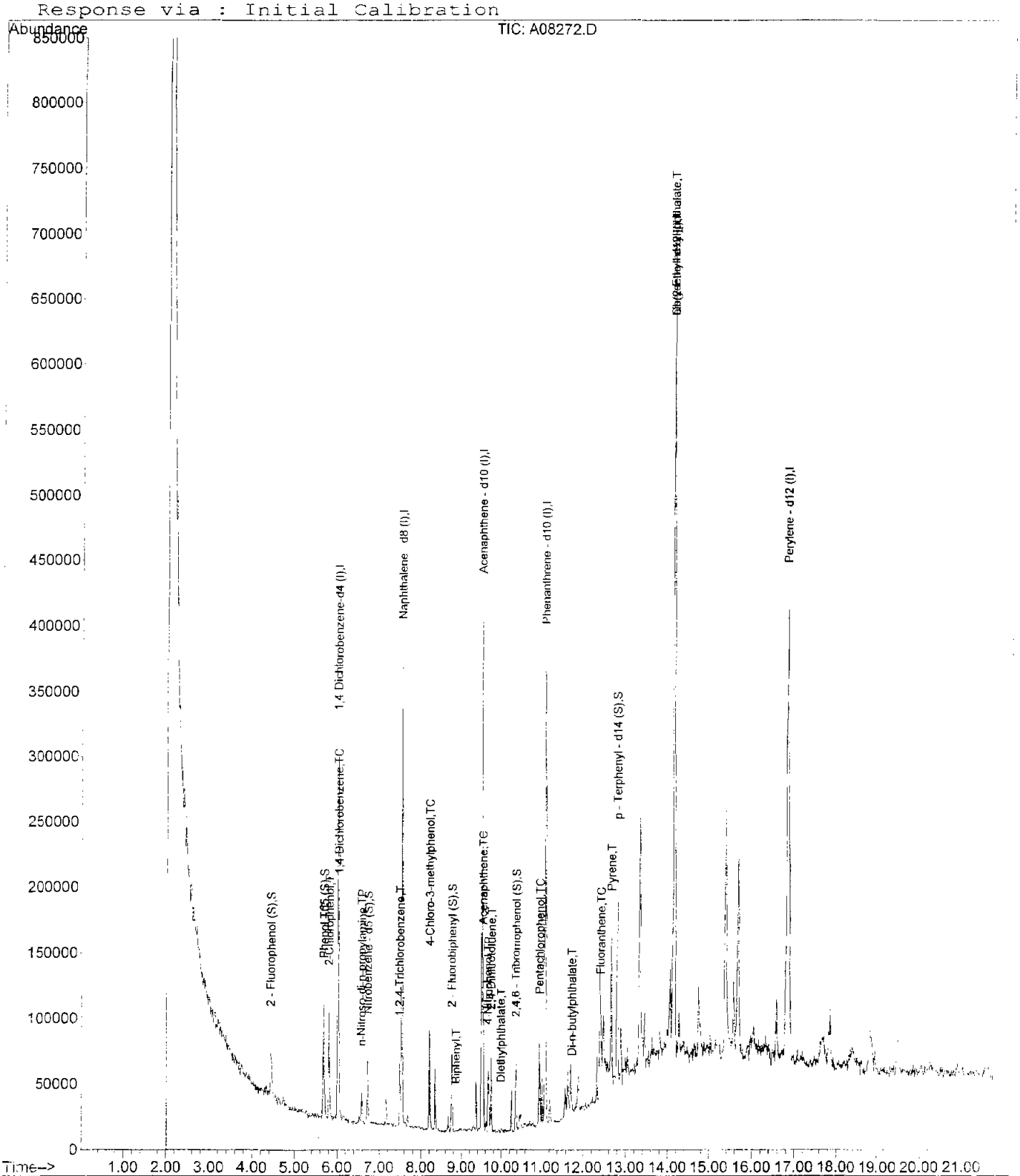
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.02	152	62623	1000.00	ug/L	0.01
22) Naphthalene - d8 (I)	7.54	136	243070	1000.00	ug/L	0.00
38) Acenaphthene - d10 (I)	9.51	162	161501	1000.00	ug/L	0.00
62) Phenanthrene - d10 (I)	11.10	188	266595	1000.00	ug/L	0.00
79) Chrysene - d12 (I)	14.15	240	513787	1000.00	ul/l	0.01
85) Perylene - d12 (I)	16.84	264	563007	1000.00	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.44	112	18525	370.69	ug/L	0.00
7) Phenol - d5 (S)	5.68	99	21750	400.47	ug/L	0.01
23) Nitrobenzene - d5 (S)	6.72	82	22125	359.31	ug/L	0.03
43) 2 - Fluorobiphenyl (S)	8.76	172	28626	233.10	ug/L	0.00
65) 2,4,6 - Tribromophenol (S)	10.37	330	11513	365.63	ug/L	0.00
78) p - Terphenyl - d14 (S)	12.81	244	96511	507.80	ug/L	0.00
Target Compounds						Qvalue
8) Phenol	5.69	94	30821	511.71	ug/L	56
10) 2-Chlorophenol	5.81	128	29150	503.64	ug/L	58
13) 1,4-Dichlorobenzene	6.03	146	12482	182.93	ug/L	90
19) n-Nitroso-di-n-propylamine	6.58	70	14123	376.70	ug/L	91
31) 1,2,4-Trichlorobenzene	7.49	180	10567	182.38	ug/L	88
35) 4-Chloro-3-methylphenol	8.21	107	41096	558.74	ug/L	82
45) Biphenyl	8.88	154	740	5.48	ug/L	76
51) Acenaphthene	9.54	153	45697	348.50	ug/L	100
53) 4-Nitrophenol	9.67	109	20188	585.57	ug/L	88
55) 2,4-Dinitrotoluene	9.75	165	16362	292.65	ug/L	97
58) Diethylphthalate	9.99	149	890	5.13	ug/L	86
69) Pentachlorophenol	10.97	266	13458	435.63	ug/L	90
74) Di-n-butylphthalate	11.74	149	4080	11.79	ug/L	95
75) Fluoranthene	12.42	202	2819	12.80	ug/L	32
76) Pyrene	12.67	202	100459	451.62	ug/L	67
84) bis(2-Ethylhexyl)phthalate	14.14	149	118184	252.10	ug/L	84

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

Data File : W:\112404\A08272.D
Acq On : 24 Nov 2004 16:41
Sample : 124993-7 MSD SS1281 &2.0 SOIL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:15 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 : Tue Nov 30 08:13:00 2004
Response via : Initial Calibration



Data File : W:\112404\A08273.D Vial: 0
Acq On : 24 Nov 2004 17:08 Operator: CLZ
Sample : 124993-20 MS SS1281 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:15:58 2004 Quant Results File: SV5-111604.RES

Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:13:00 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.02	152	48879	1000.00	ug/L	0.01
22) Naphthalene - d8 (I)	7.54	136	181527	1000.00	ug/L	0.00
38) Acenaphthene - d10 (I)	9.51	162	90973	1000.00	ug/L	0.00
62) Phenanthrene - d10 (I)	11.10	188	129012	1000.00	ug/L	0.00
79) Chrysene - d12 (I)	14.15	240	358114	1000.00	ul/l	0.01
85) Perylene - d12 (I)	16.83	264	395272	1000.00	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.44	112	9382	240.52	ug/L	0.00
7) Phenol - d5 (S)	5.68	99	14177	334.43	ug/L	0.01
23) Nitrobenzene - d5 (S)	6.73	82	12639	274.84	ug/L	0.04
43) 2 - Fluorobiphenyl (S)	8.77	172	16117	232.99	ug/L	0.02
65) 2,4,6 - Tribromophenol (S)	10.38	330	4365	286.46	ug/L	0.00
78) p - Terphenyl - d14 (S)	12.81	244	58415	635.13	ug/L	0.00
Target Compounds						Qvalue
8) Phenol	5.69	94	18022	383.34	ug/L	51
10) 2-Chlorophenol	5.81	128	17259	382.04	ug/L	49
13) 1,4-Dichlorobenzene	6.04	146	6771	127.13	ug/L	95
19) n-Nitroso-di-n-propylamine	6.58	70	9407	321.47	ug/L	86
31) 1,2,4-Trichlorobenzene	7.50	180	5087	117.56	ug/L	88
35) 4-Chloro-3-methylphenol	8.22	107	18687	340.21	ug/L	83
51) Acenaphthene	9.55	153	20007	270.87	ug/L	100
53) 4-Nitrophenol	9.68	109	8315	428.16	ug/L	88
55) 2,4-Dinitrotoluene	9.74	165	6652	211.21	ug/L	88
69) Pentachlorophenol	10.96	266	5795	387.63	ug/L	74
74) Di-n-butylphthalate	11.73	149	3353	20.02	ug/L	100
76) Pyrene	12.66	202	52714	489.71	ug/L	65
84) bis(2-Ethylhexyl)phthalate	14.13	149	21727	66.49	ug/L	68

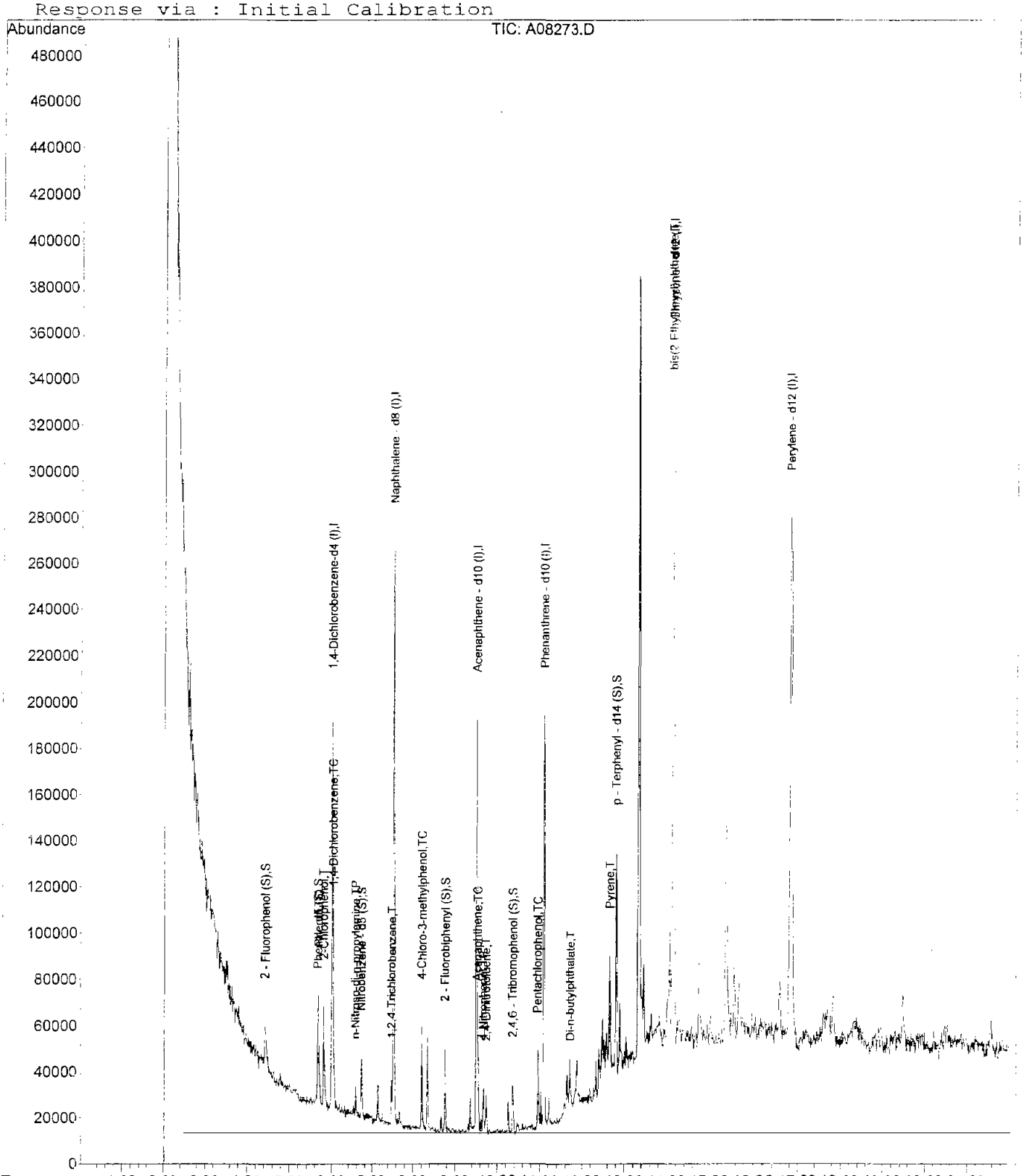
Quantitation Report (QT Reviewed)

Data File : W:\112404\A08273.D
Acq On : 24 Nov 2004 17:08
Sample : 124993-20 MS SS1281 &2.0 SOIL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:16 2004

Vial: 0
Operator: CLZ
Inst :
Multiplr: 1.00

Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integratcr)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:13:00 2004
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : W:\112404\A08274.D Vial: 0
Acq On : 24 Nov 2004 17:35 Operator: CLZ
Sample : 124993-20 MSD SS1281 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:17:02 2004 Quant Results File: SV5-111604.RES

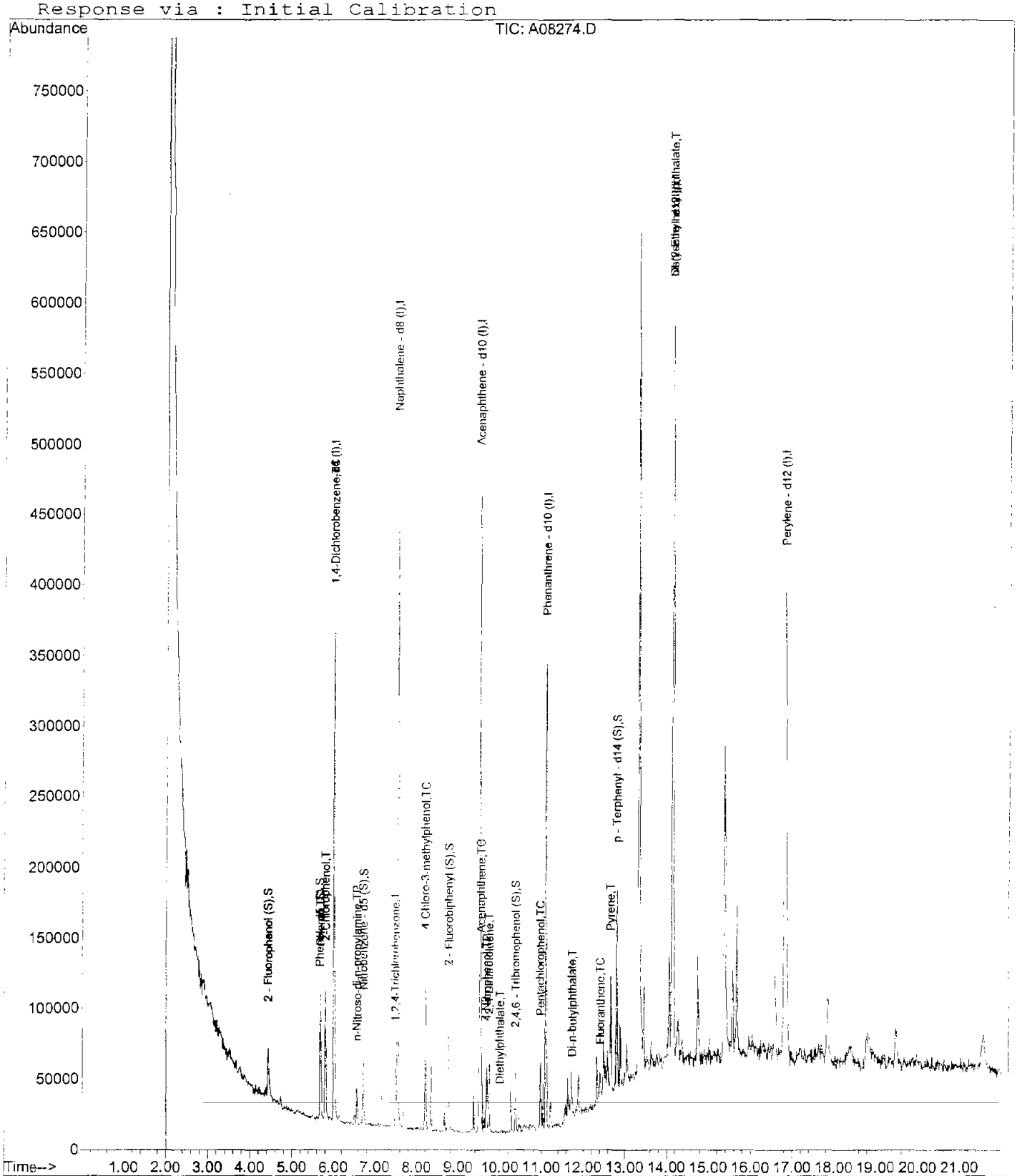
Quant Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:13:00 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.02	152	84894	1000.00	ug/L	0.01
22) Naphthalene - d8 (I)	7.54	136	326064	1000.00	ug/L	0.00
38) Acenaphthene - d10 (I)	9.51	162	203485	1000.00	ug/L	0.00
62) Phenanthrene - d10 (I)	11.11	188	227331	1000.00	ug/L	0.01
79) Chrysene - d12 (I)	14.14	240	504026	1000.00	ul/l	0.00
85) Perylene - d12 (I)	16.84	264	545288	1000.00	ug/L	0.00
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.44	112	19663	290.24	ug/L	0.00
7) Phenol - d5 (S)	5.68	99	24888	338.03	ug/L	0.01
23) Nitrobenzene - d5 (S)	6.73	82	24233	293.37	ug/L	0.04
43) 2 - Fluorobiphenyl (S)	8.77	172	36253	234.30	ug/L	0.02
65) 2,4,6 - Tribromophenol (S)	10.38	330	9957	370.83	ug/L	0.00
78) p - Terphenyl - d14 (S)	12.81	244	78761	485.98	ug/L	0.00
Target Compounds						Qvalue
8) Phenol	5.69	94	35238	431.56	ug/L	77
10) 2-Chlorophenol	5.81	128	35183	448.41	ug/L	44
13) 1,4-Dichlorobenzene	6.03	146	13396	144.82	ug/L	99
19) n-Nitroso-di-n-propylamine	6.58	70	17502	344.36	ug/L	88
31) 1,2,4-Trichlorobenzene	7.49	180	10101	129.96	ug/L	77
35) 4-Chloro-3-methylphenol	8.21	107	43380	439.68	ug/L	83
51) Acenaphthene	9.54	153	49360	298.76	ug/L	100
53) 4-Nitrophenol	9.67	109	19476	448.36	ug/L	98
55) 2,4-Dinitrotoluene	9.74	165	14440	204.98	ug/L	98
58) Diethylphthalate	10.00	149	659	3.01	ug/L	71
69) Pentachlorophenol	10.97	266	9001	341.68	ug/L	80
74) Di-n-butylphthalate	11.74	149	3306	11.20	ug/L	89
75) Fluoranthene	12.42	202	1176	6.26	ug/L	44
76) Pyrene	12.66	202	79313	418.14	ug/L	68
84) bis(2-Ethylhexyl)phthalate	14.14	149	51501	111.98	ug/L	78

Quantitation Report (QT Reviewed)

Data File : W:\112404\A08274.D Vial: 0
Acq On : 24 Nov 2004 17:35 Operator: CLZ
Sample : 124993-20 MSD SS1281 &2.0 SOIL Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:17 2004 Quant Results File: SV5-111604.RES

Method : W:\METHODS\SV5-111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 08:13:00 2004
Response via : Initial Calibration



LABORATORY WORKSHEETS

00545

Semivolatile GCMS Worksheet - total

QC Level:Tier IV Matrix:solid	**Due: 11/30/04**	**Work Order - 124945**
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Kati	

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

See attached

~~Sample number 124945-3~~	Client Sample ID	041116SGA02SS
Sample Weight/Volume	Date Received	11/18/2004
	Date Sampled	**11/16/2004 3:15:00 PM**

SVOC 8270

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date 12/1/04

Reviewed by _____ Date 31298

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

00546

Semivolatile GCMS Worksheet - total

11/23

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:Liquid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie	

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

"A" BCS

Sample number 124945-1		Client Sample ID	041116SGA01GW
Sample Weight/Volume	910	Date Received	11/18/2004
		Date Sampled	**1/16/2004 10:30:00 AM**

SVOC 8270

See attached

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date 12/1/04

Reviewed by _____ Date 31300 12/2/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

00547

Semivolaile Analysis by USEPA Method 8270

QC Batch ID	ss1281
Sample Matrix	oil
Surrogate Std. No.	1281-3-1
Expiration date	10/15/05
8270 Matrix Spike No.	980-92-4
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

weighed
extracted 11/22/04

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	ss1281	20.0000	2	10	NA
Duplicate					NA
Duplicate-2	none				NA
Blank Spike	sss1281	20.0000	2	10	10
Blank Spike Duplicate	dss1281	20.0000	2	10	10
Matrix Spike	124993s7	20.7459	2	10	10
Matrix Spike Duplicate	124993d7	20.6113	2	10	10
Matrix Spike-2	124993s20	20.0132	2	10	10
Matrix Spike Duplicate-2	124993d20	20.7743	2	10	10

Sample	Client Sample ID	SampleWeight (g)	Final Volume (ml)	Surr Spike (ul)	Comments
124852-2	U2A2	20.5985	2	10	
124945-3	041116SGA02SS	20.0326	2	10	
124993-2	041117SGA04SS	20.9667	2	10	
124993-3	041117SGA05SS	20.3503	2	10	
124993-4	041117SGA06SS	20.5739	2	10	
124993-6	041117SGA08SS	20.5006	2	10	
124993-7	041117SGA09SS	20.8101	2	10	
124993-17	041118SGA10SS	20.3711	2	10	
124993-18	041118SGA11SS	20.3226	2	10	
124993-19	041118SGA12SS	20.6708	2	10	
124993-20	041118SGA13SS	20.9916	2	10	

Printed - 11/22/04

Semivolatile Analysis by USEPA Method 8270

QC Batch ID	SW1034	pH2	pH7	pH12	
Sample Matrix	Liquid	X		X	
Surrogate Standard No.	1281-3-1				
Expiration Date	10/15/05	Volume Measured By/Date 11-19-04 th			
8270 Spike No.	1281-1-11	Extracted By/Date 11-19-04 th			
		low level SVOC's by 8270 ("a" denotes dissolved sample)			
		(extraction log created 11/19/04; printed on 11/22/04)			
Internal Standard No.	980-100-3				
Expiration Date	4/3/05				
MeCl2 Lot Number	A35E08				
		Spike Witness Signature/Date			
Extraction Method	3510 Separatory Funnel				

QC Sample Type		Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	SW1034	1000	1	10	N/A
Duplicate	none				
Duplicate-2	none				
Blank Spike	sSW1034	1000	1	10	10
Blank Spike Duplicate	dSW1034	1000	1	10	10
Matrix Spike	124993s11	946	1	10	10
Matrix Spike Duplicate	124993d11	1058	1	10	10
Matrix Spike-2	124993s11	989 (a)	1	10	10
Matrix Spike Duplicate-2	124993d11	1059 (a)	1	10	10

Sample		Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	Comments
124945-1	41116SGA01G	910	1	10	
124945-1a	41116SGA01G	997	1	10	
124993-8	41117SGA02G	1001	1	10	
124993-9	41117SGA03G	969	1	10	
124993-10	41117SGA04G	950	1	10	
124993-11	41117SGA05G	954	1	10	
124993-13	41118SGA06G	998	1	10	
124993-14	41118SGA07G	904	1	10	
124993-15	41118SGA08G	828	1	10	
124993-8a	41117SGA02G	953	1	10	
124993-9a	41117SGA03G	930	1	10	
124993-10a	41117SGA04G	950	1	10	
124993-11a	41117SGA05G	1021	1	10	
124993-13a	41118SGA06G	985	1	10	
124993-14a	41118SGA07G	826	1	10	
124993-15a	41118SGA08G	1017	1	10	

00549

STL Seattle

6a **Sample Information**

Th Client Name	**URS Corporation**	
Work Order Number	**124945**	
Sample Number	**1**	Related Blank: sw1034
QC Batch Number	**sw1034**	
Client Sample ID	**041116SGA01GW**	
Date Received	**11-18-04**	
Date Prepared	**11-19-04**	
Date Analyzed	**11-23-04**	
Sample matrix type	**liquid**	
QC sample type	**sample**	

Sample volume (ml)	**910**	=	0.91 /L	Calc. Fact.	0.001098901
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.098901099
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	176.0273		17.6	OK	2	120
x	Phenol - d5	172.264		17.2	OK	1	102
x	Nitrobenzene - d5	712.9638		71.3	OK	34	146
x	2 - Fluorobiphenyl	785.3171		78.5	OK	35	143
x	2,4,6 - Tribromophenol	392.54		39.3	OK	29	151
x	p - Terphenyl - d14	847.969		84.8	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	25.1483			0.0276	J	0.22
x	Benzyl Alcohol	26.7481			ND		0.22
x	Naphthalene	101.2242			0.111		0.0549
x	2-Methylnaphthalene	62.1085			0.0683		0.0549
x	Acenaphthene	15.7359			0.0173	J	0.022
x	Dibenzofuran	21.5541			0.0237	J	0.22
x	Diethylphthalate	33.6713			ND		0.22
x	Fluorene	19.1403			0.021	J	0.022
x	Phenanthrene	18.0524			0.0198	J	0.022
x	Di-n-butylphthalate	163.8338			0.18	J	0.22
x	Butylbenzylphthalate	109.1199			0.12	J	0.33
x	Chrysene	3.2194			ND		0.022
x	bis(2-Ethylhexyl)phthalate	172.2618			ND		1.65
	1-Methylnaphthalene	78.4939			ND		0.33

$\frac{(109.1199)(1)}{910} = 0.1199$ 12/2/04

00550

STL Seattle

6a **Sample Information**

Th	Client Name	**URS Corporation**			
	Work Order Number	**124945**			
	Sample Number	**3**		Related Blank:	SS1281
	QC Batch Number	**SS1281**			
	Client Sample ID	**041116SGA02SS**			
	Date Received	**11-18-04**			
	Date Prepared	**11-23-04**			
	Date Analyzed	**11-24-04**			
	Sample matrix type	**solid**			
	QC sample type	**sample**			

Sample weight (g)	**20.0326**	=	0.02003 /kg	Calc. Fact.	0.117538575
Extract volume (ml)	**2**	=	2 ml	Dry Weight	17.01569044 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**84.94**	=	0.8494	Spike Factor	58.7692873
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	305.619	✓	61.1	**OK**	2	120
x	Phenol - d5	365.4904	✓	73.1	**OK**	1	102
x	Nitrobenzene - d5	271.3656	✓	54.3	**OK**	34	146
x	2 - Fluorobiphenyl	265.488	✓	53.1	**OK**	35	143
x	2,4,6 - Tribromophenol	386.5681	✓	77.3	**OK**	29	151
x	p - Terphenyl - d14	440.8834	✓	88.2	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount		Total Flags	PQL
x	Di-n-butylphthalate	8.6269	✓	35.0627	ND			11.8
x	Butylbenzylphthalate	19.2058	✓	27.4182	ND			23.5
x	bis(2-Ethylhexyl)phthalate	95.3544	✓			11.2 ✓	J	23.5

$$\frac{(95.3544)(2)}{(20.0326)(.8494)} = 11.2$$

00551

STL Seattle

6a **Sample Information**

Th	Client Name	
	Work Order Number	
	Sample Number	Related Blank: noblank
	QC Batch Number	**SS1281**
	Client Sample ID	
	Date Received	
	Date Prepared	**11-23-04**
	Date Analyzed	**11-24-04**
	Sample matrix type	**solid**
	QC sample type	**blank**

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	394.134		78.8	**OK**	2	120
x	Phenol - d5	395.3676		79.1	**OK**	1	102
x	Nitrobenzene - d5	387.9798		77.6	**OK**	34	146
x	2 - Fluorobiphenyl	393.2952		78.7	**OK**	35	143
x	2,4,6 - Tribromophenol	399.6193		79.9	**OK**	29	151
x	p - Terphenyl - d14	593.95		119	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL	
x	Di-n-butylphthalate	35.0627			3.51	J		10
x	Butylbenzylphthalate	27.4182			2.74	J		20

00552

STL Seattle

6a Sample Information

Th	Client Name	
	Work Order Number	
	Sample Number	Related Blank: noblank
	QC Batch Number	**sw1034**
	Client Sample ID	
	Date Received	
	Date Prepared	**11-19-04**
	Date Analyzed	**11-23-04**
	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	257.8295		25.8	**OK**	2	120
x	Phenol - d5	137.851		13.8	**OK**	1	102
x	Nitrobenzene - d5	642.4507		64.2	**OK**	34	146
x	2 - Fluorobiphenyl	631.205		63.1	**OK**	35	143
x	2,4,6 - Tribromophenol	411.5671		41.2	**OK**	29	151
x	p - Terphenyl - d14	472.0198		47.2	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Di-n-butylphthalate	24.1713			ND		0.2
x	Butylbenzylphthalate	16.6892			ND		0.3
x	bis(2-Ethylhexyl)phthalate	21.089			ND		1.5

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STL Seattle

6a **Sample Information**

Th	Client Name	
	Work Order Number	
	Sample Number	Related Blank: sw1034
	QC Batch Number	**sw1034**
	Client Sample ID	
	Date Received	
	Date Prepared	**11-19-04**
	Date Analyzed	**11-23-04**
	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	2 - Fluorophenol	413.991	/	41.4	**OK**	2	120
x	Phenol - d5	307.3526	/	30.7	**OK**	1	102
x	Nitrobenzene - d5	663.2277	/	66.3	**OK**	34	146
x	2 - Fluorobiphenyl	768.7618	/	76.9	**OK**	35	143
x	2,4,6 - Tribromophenol	675.081	/	67.5	**OK**	29	151
x	p - Terphenyl - d14	858.7944		85.9	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	466.5671	/		0.467		0.2
x	2-Chlorophenol	998.5766	/		0.999		0.2
x	1,4-Dichlorobenzene	736.159	/		0.736		0.2
x	Benzyl Alcohol	25.0127	/		ND		0.2
x	N-nitroso-di-n-propylamine	743.0125	/		0.743		0.2
x	1,2,4-Trichlorobenzene	765.1242	/		0.765		0.2
x	Naphthalene	8.8501	/		ND		0.05
x	4-Chloro-3-methylphenol	1141.876	/		1.14		0.2
x	Acenaphthene	710.453			0.71		0.02
x	4-Nitrophenol	670.5158	/		0.671	J	1
x	2,4-Dinitrotoluene	770.4604			0.77		0.2
x	Diethylphthalate	21.8152	/		ND		0.2
x	Pentachlorophenol	578.8372	/		0.579		0.2
x	Phenanthrene	3.1687			ND		0.02
x	Anthracene	3.08	/		0.00308	J	0.02
x	Di-n-butylphthalate	316.4646			0.316		0.2
x	Fluoranthene	10.5092	/		0.0105	J	0.02
x	Pyrene	716.2295			0.716		0.02
x	Butylbenzylphthalate	261.5746			0.262	J	0.3
x	bis(2-Ethylhexyl)phthalate	137.8229			ND		1.5

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x	Di-n-octylphthalate	9.4229	ND	0.2
x	Carbazole	4.4945	ND	0.2

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STL Seattle

6a **Sample Information**

Th Client Name	
Work Order Number	
Sample Number	Related Blank: sw1034
QC Batch Number	**sw1034**
Client Sample ID	
Date Received	
Date Prepared	**11-19-04**
Date Analyzed	**11-23-04**
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	402.9153		40.3	**OK**	2	120
x	Phenol - d5	296.7258		29.7	**OK**	1	102
x	Nitrobenzene - d5	744.2591		74.4	**OK**	34	146
x	2 - Fluorobiphenyl	841.184		84.1	**OK**	35	143
x	2,4,6 - Tribromophenol	688.8453		68.9	**OK**	29	151
x	p - Terphenyl - d14	870.1571		87	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	467.9023			0.468		0.2
x	2-Chlorophenol	900.4799			0.9		0.2
x	1,4-Dichlorobenzene	672.1787			0.672		0.2
x	Benzyl Alcohol	27.6678			ND		0.2
x	N-nitroso-di-n-propylamine	804.8491			0.805		0.2
x	1,2,4-Trichlorobenzene	785.7142			0.786		0.2
x	Naphthalene	10.2978			ND		0.05
x	4-Chloro-3-methylphenol	1307.859			1.31		0.2
x	2-Methylnaphthalene	5.0406			ND		0.05
x	Acenaphthene	831.058			0.831		0.02
x	4-Nitrophenol	782.9981			0.783	J	1
x	2,4-Dinitrotoluene	719.0459			0.719		0.2
x	Diethylphthalate	23.8644			ND		0.2
x	Pentachlorophenol	470.6152			0.471		0.2
x	Phenanthrene	3.3142			ND		0.02
x	Di-n-butylphthalate	238.7232			0.239		0.2
x	Fluoranthene	11.8361			0.0118	J	0.02
x	Pyrene	795.3935			0.795		0.02
x	Butylbenzylphthalate	206.5889			0.207	J	0.3
x	bis(2-Ethylhexyl)phthalate	91.9538			ND		1.5

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STL Seattle

6a **Sample Information**

Th	Client Name	
	Work Order Number	
	Sample Number	Related Blank: SS1281
	QC Batch Number	**SS1281**
	Client Sample ID	
	Date Received	
	Date Prepared	**11-23-04**
	Date Analyzed	**11-24-04**
	Sample matrix type	**solid**
	QC sample type	**bs**

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	343.6935	✓	68.7	**OK**	2	120
x	Phenol - d5	430.6605	✓	86.1	**OK**	1	102
x	Nitrobenzene - d5	378.7802	✓	75.8	**OK**	34	146
x	2 - Fluorobiphenyl	391.4321	✓	78.3	**OK**	35	143
x	2,4,6 - Tribromophenol	376.3355	✓	75.3	**OK**	29	151
x	p - Terphenyl - d14	305.5756	✓	61.1	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	471.15	✓		47.1		5
x	2-Chlorophenol	546.7891	✓		54.7		5
x	1,4-Dichlorobenzene	386.1233	✓		38.6		5
x	N-nitroso-di-n-propylamine	330.2437	✓		33		5
x	1,2,4-Trichlorobenzene	368.9779	✓		36.9		5
x	4-Chloro-3-methylphenol	478.5198	✓		47.9		5
x	Acenaphthene	405.9355			40.6		2
x	4-Nitrophenol	478.47	✓		47.8	J	50
x	2,4-Dinitrotoluene	216.6962	✓		21.7		10
x	Pentachlorophenol	269.5758	✓		27		10
x	Di-n-butylphthalate	17.484	✓	35.0627	ND		10
x	Pyrene	375.7551	✓		37.6		2
x	Butylbenzylphthalate	23.323	✓	27.4182	2.33	J B1	20
x	bis(2-Ethylhexyl)phthalate	35.4304	✓		3.54	J	20

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STL Seattle

6a **Sample Information**

Th	Client Name	
	Work Order Number	
	Sample Number	Related Blank: SS1281
	QC Batch Number	**SS1281**
	Client Sample ID	
	Date Received	
	Date Prepared	**11-23-04**
	Date Analyzed	**11-24-04**
	Sample matrix type	**solid**
	QC sample type	**bsd**

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	415.7977		83.2	OK	2	120
x	Phenol - d5	477.7826		95.6	OK	1	102
x	Nitrobenzene - d5	408.2754		81.7	OK	34	146
x	2 - Fluorobiphenyl	441.4969		88.3	OK	35	143
x	2,4,6 - Tribromophenol	338.7766		67.8	OK	29	151
x	p - Terphenyl - d14	288.9655		57.8	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	700.6767			70.1		5
x	2-Chlorophenol	631.5549			63.2		5
x	1,4-Dichlorobenzene	469.3604			46.9		5
x	N-nitroso-di-n-propylamine	468.6043			46.9		5
x	2,4-Dimethylphenol	2.2622			ND		2
x	1,2,4-Trichlorobenzene	408.8116			40.9		5
x	4-Chloro-3-methylphenol	574.6423			57.5		5
x	Acenaphthene	499.3402			49.9		2
x	4-Nitrophenol	494.9073			49.5	J	50
x	2,4-Dinitrotoluene	290.2494			29		10
x	Pentachlorophenol	160.6997			16.1		10
x	Di-n-butylphthalate	10.1031		35.0627	ND		10
x	Fluoranthene	5.2882			ND		2
x	Pyrene	370.2922			37		2
x	Butylbenzylphthalate	31.2192		27.4182	3.12	J B1	20
x	bis(2-Ethylhexyl)phthalate	46.6189			4.66	J	20

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STL Seattle

6a **Sample Information**

Th Client Name	URS Corporation				
Work Order Number	124993				
Sample Number	11			Related Blank:	sw1034
QC Batch Number	sw1034				
Client Sample ID	041117SGA05GW				
Date Received	11-19-04				
Date Prepared	11-19-04				
Date Analyzed	11-23-04				
Sample matrix type	liquid				
QC sample type	ms				
Sample volume (ml)	946	=	0.946 /L	Calc. Fact.	0.001057082
Extract volume (ml)	1	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.057082452
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	163.9786		16.4	OK	2	120
x	Phenol - d5	185.4331		18.5	OK	1	102
x	Nitrobenzene - d5	669.5033		67	OK	34	146
x	2 - Fluorobiphenyl	821.0057		82.1	OK	35	143
x	2,4,6 - Tribromophenol	420.7482		42.1	OK	29	151
x	p - Terphenyl - d14	815.3154		81.5	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	275.2383			0.291		0.211
x	2-Chlorophenol	579.9776			0.613		0.211
x	1,4-Dichlorobenzene	563.4728			0.596		0.211
x	Benzyl Alcohol	31.1466			ND		0.211
x	N-nitroso-di-n-propylamine	351.6336			0.372		0.211
x	1,2,4-Trichlorobenzene	732.3841			0.774		0.211
x	Naphthalene	17.3537			ND		0.0529
x	4-Chloro-3-methylphenol	940.0992			0.994		0.211
x	2-Methylnaphthalene	7.5332			ND		0.0529
x	Acenaphthene	806.845			0.853		0.0211
x	4-Nitrophenol	240.88			0.255	J	1.06
x	2,4-Dinitrotoluene	493.9068			0.522		0.211
x	Diethylphthalate	19.9424			ND		0.211
x	Pentachlorophenol	238.0312			0.252		0.211
x	Phenanthrene	4.53			0.00479	J	0.0211
x	Di-n-butylphthalate	168.9554			0.179	J	0.211
x	Fluoranthene	12.6785			0.0134	J	0.0211
x	Pyrene	780.2237			0.825		0.0211
x	Butylbenzylphthalate	197.993			0.209	J	0.317
x	bis(2-Ethylhexyl)phthalate	266.1714			ND		1.59

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x	Di-n-octylphthalate	16.0714	ND	0.211

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STL Seattle

6a **Sample Information**

Th Client Name	**URS Corporation**	
Work Order Number	**124993**	
Sample Number	**11**	Related Blank: sw1034
QC Batch Number	**sw1034**	
Client Sample ID	**041117SGA05GW**	
Date Received	**11-19-04**	
Date Prepared	**11-19-04**	
Date Analyzed	**11-23-04**	
Sample matrix type	**liquid**	
QC sample type	**msd**	

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	17.6329	X9	1.76	**LOW**	2	120
x	Phenol - d5	63.3004		6.33	**OK**	1	102
x	Nitrobenzene - d5	762.4243		76.2	**OK**	34	146
x	2 - Fluorobiphenyl	748.5314		74.9	**OK**	35	143
x	2,4,6 - Tribromophenol	32.0844	X9	3.21	**LOW**	29	151
x	p - Terphenyl - d14	705.7725		70.6	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	95.7561			0.0905	J	0.189
x	2-Chlorophenol	97.483			0.0921	J	0.189
x	1,4-Dichlorobenzene	633.6207			0.599		0.189
x	Benzyl Alcohol	29.4757			ND		0.189
x	N-nitroso-di-n-propylamine	765.4541			0.723		0.189
x	1,2,4-Trichlorobenzene	809.6385			0.765		0.189
x	Naphthalene	123.6042			0.117		0.0473
x	4-Chloro-3-methylphenol	287.2527			0.272		0.189
x	2-Methylnaphthalene	35.0223			0.0331	J	0.0473
x	Acenaphthene	789.9888			0.747		0.0189
x	Dibenzofuran	39.2125			0.0371	J	0.189
x	2,4-Dinitrotoluene	721.5429			0.682		0.189
x	Diethylphthalate	25.4558			ND		0.189
x	Fluorene	30.4586			0.0288		0.0189
x	Phenanthrene	136.8336			0.129		0.0189
x	Anthracene	25.2866			0.0239		0.0189
x	Di-n-butylphthalate	188.6512			0.178	J	0.189
x	Fluoranthene	45.2895			0.0428		0.0189
x	Pyrene	752.3916			0.711		0.0189
x	Butylbenzylphthalate	154.7536			0.146	J	0.284

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x	Chrysene	3.5024	ND	0.0189
x	bis(2-Ethylhexyl)phthalate	151.1433	ND	1.42
x	Di-n-octylphthalate	12.0914	ND	0.189
	Biphenyl	6.4263	ND	0.945
	1-Methylnaphthalene	14.8325	ND	0.284
	Octadecane	18.7	ND	0.189

STL Seattle

6a **Sample Information**

Th	Client Name	**URS Corporation**			
	Work Order Number	**124993**			
	Sample Number	**7**		Related Blank:	SS1281
	QC Batch Number	**SS1281**			
	Client Sample ID	**041117SGA09SS**			
	Date Received	**11-19-04**			
	Date Prepared	**11-23-04**			
	Date Analyzed	**11-24-04**			
	Sample matrix type	**solid**			
	QC sample type	**ms**			

Sample weight (g)	**20.7459**	=	0.02075 /kg	Calc. Fact.	0.119816792
Extract volume (ml)	**2**	=	2 ml	Dry Weight	16.69215114 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**80.46**	=	0.8046	Spike Factor	59.90839596
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	339.5444	✓	67.9	**OK**	2	120
x	Phenol - d5	383.2839	✓	76.7	**OK**	1	102
x	Nitrobenzene - d5	314.2771	✓	62.9	**OK**	34	146
x	2 - Fluorobiphenyl	299.4628	✓	59.9	**OK**	35	143
x	2,4,6 - Tribromophenol	256.7643	✓	51.4	**OK**	29	151
x	p - Terphenyl - d14	506.3927	✓	101	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	484.1331	✓		58		5.99
x	2-Chlorophenol	390.2779	✓		46.8		5.99
x	1,4-Dichlorobenzene	203.7724	✓		24.4		5.99
x	N-nitroso-di-n-propylamine	319.2582	✓		38.3		5.99
x	1,2,4-Trichlorobenzene	225.4849	✓		27		5.99
x	4-Chloro-3-methylphenol	403.6304	✓		48.4		5.99
x	Acenaphthene	316.3501	✓		37.9		2.4
x	4-Nitrophenol	611.3259	✓		73.2		59.9
x	2,4-Dinitrotoluene	276.3457	✓		33.1		12
x	Pentachlorophenol	431.9429	✓		51.8		12
x	Di-n-butylphthalate	13.1091		35.0627	ND		12
x	Pyrene	421.7002	✓		50.5		2.4
x	bis(2-Ethylhexyl)phthalate	304.4937	✓		36.5		24
	Biphenyl	9.2872			1.11	J	12

00563

STL Seattle

6a **Sample Information**

Th Client Name	**URS Corporation**	
Work Order Number	**124993**	
Sample Number	**7**	Related Blank: SS1281
QC Batch Number	**SS1281**	
Client Sample ID	**041117SGA09SS**	
Date Received	**11-19-04**	
Date Prepared	**11-23-04**	
Date Analyzed	**11-24-04**	
Sample matrix type	**solid**	
QC sample type	**msd**	

Sample weight (g)	**20.6113**	=	0.02061	/kg	Calc. Fact.	0.120599243
Extract volume (ml)	**2**	=	2	ml	Dry Weight	16.58385198 g
Dilution Factor		=	1		Sample Units	ug/kg
% Solids	**80.46**	=	0.8046		Spike Factor	60.29962166
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	370.6862	/	74.1	**OK**	2	120
x	Phenol - d5	400.4722	/	80.1	**OK**	1	102
x	Nitrobenzene - d5	359.3051	/	71.9	**OK**	34	146
x	2 - Fluorobiphenyl	233.1016	/	46.6	**OK**	35	143
x	2,4,6 - Tribromophenol	365.6294	/	73.1	**OK**	29	151
x	p - Terphenyl - d14	507.7975	/	102	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	511.707	/		61.7		6.03
x	2-Chlorophenol	503.6445	/		60.7		6.03
x	1,4-Dichlorobenzene	182.9269	/		22.1		6.03
x	N-nitroso-di-n-propylamine	376.7034	/		45.4		6.03
x	1,2,4-Trichlorobenzene	182.3801	/		22		6.03
x	4-Chloro-3-methylphenol	558.7446	/		67.4		6.03
x	Acenaphthene	348.4957	/		42		2.41
x	4-Nitrophenol	585.566	/		70.6		60.3
x	2,4-Dinitrotoluene	292.6483	/		35.3		12.1
x	Diethylphthalate	5.1282			ND		12.1
x	Pentachlorophenol	435.6324	/		52.5		12.1
x	Di-n-butylphthalate	11.7884		35.0627	ND		12.1
x	Fluoranthene	12.8032	/		1.54	J	2.41
x	Pyrene	451.6244	/		54.5		2.41
x	bis(2-Ethylhexyl)phthalate	252.0989			30.4		24.1
	Biphenyl	5.4755			ND		12.1

000594

STL Seattle

6a **Sample Information**

Th Client Name		**URS Corporation**
Work Order Number	**124993**	
Sample Number	**20**	Related Blank: SS1281
QC Batch Number	**SS1281**	
Client Sample ID	**041118SGA13SS**	
Date Received	**11-19-04**	
Date Prepared	**11-23-04**	
Date Analyzed	**11-24-04**	
Sample matrix type	**solid**	
QC sample type	**ms**	

Sample weight (g)	**20.0132**	=	0.02001	/kg	Calc. Fact.	0.12722348
Extract volume (ml)	**2**	=	2	ml	Dry Weight	15.7203686 g
Dilution Factor		=	1		Sample Units	ug/kg
% Solids	**78.55**	=	0.7855		Spike Factor	63.61173999
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	240.5222	✓	48.1	OK	2	120
x	Phenol - d5	334.4329	✓	66.9	OK	1	102
x	Nitrobenzene - d5	274.8419	✓	55	OK	34	146
x	2 - Fluorobiphenyl	232.9869	✓	46.6	OK	35	143
x	2,4,6 - Tribromophenol	286.4565		57.3	OK	29	151
x	p - Terphenyl - d14	635.1262	✓	127	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	383.3445	✓		48.8		6.36
x	2-Chlorophenol	382.0434	✓		48.6		6.36
x	1,4-Dichlorobenzene	127.1328	✓		16.2		6.36
x	N-nitroso-di-n-propylamine	321.4662	✓		40.9		6.36
x	1,2,4-Trichlorobenzene	117.5649	✓		15		6.36
x	4-Chloro-3-methylphenol	340.2072	✓		43.3		6.36
x	Acenaphthene	270.866	✓		34.5		2.54
x	4-Nitrophenol	428.1614	✓		54.5	J	63.6
x	2,4-Dinitrotoluene	211.2149	✓		26.9		12.7
x	Pentachlorophenol	387.6278	✓		49.3		12.7
x	Di-n-butylphthalate	20.0194		35.0627	2.55	J B1	12.7
x	Pyrene	489.7071	✓		62.3		2.54
x	bis(2-Ethylhexyl)phthalate	66.4927			8.46	J	25.4

00565

STL Seattle

6a **Sample Information**

Th	Client Name	**URS Corporation**
	Work Order Number	**124993**
	Sample Number	**20**
	QC Batch Number	**SS1281**
	Client Sample ID	**041118SGA13SS**
	Date Received	**11-19-04**
	Date Prepared	**11-23-04**
	Date Analyzed	**11-24-04**
	Sample matrix type	**solid**
	QC sample type	**msd**

Related Blank: SS1281

Sample weight (g)	**20.7743**	=	0.02077	/kg	Calc. Fact.	0.122562443
Extract volume (ml)	**2**	=	2	ml	Dry Weight	16.31821265 g
Dilution Factor		=	1		Sample Units	ug/kg
% Solids	**78.55**	=	0.7855		Spike Factor	61.28122126
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	290.2384	✓	58	OK	2	120
x	Phenol - d5	338.0337	✓	67.6	OK	1	102
x	Nitrobenzene - d5	293.3701	✓	58.7	OK	34	146
x	2 - Fluorobiphenyl	234.2995	✓	46.9	OK	35	143
x	2,4,6 - Tribromophenol	370.8296	✓	74.2	OK	29	151
x	p - Terphenyl - d14	485.9799	✓	97.2	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	431.5616	✓		52.9		6.13
x	2-Chlorophenol	448.41	✓		55		6.13
x	1,4-Dichlorobenzene	144.8189	✓		17.7		6.13
x	N-nitroso-di-n-propylamine	344.3635	✓		42.2		6.13
x	1,2,4-Trichlorobenzene	129.9627	✓		15.9		6.13
x	4-Chloro-3-methylphenol	439.6751			53.9		6.13
x	Acenaphthene	298.7636	✓		36.6		2.45
x	4-Nitrophenol	448.3582	✓		55	J	61.3
x	2,4-Dinitrotoluene	204.9838			25.1		12.3
x	Diethylphthalate	3.0137			ND		12.3
x	Pentachlorophenol	341.6833	✓		41.9		12.3
x	Di-n-butylphthalate	11.2019		35.0627	ND		12.3
x	Fluoranthene	6.2636			ND		2.45
x	Pyrene	418.1444	✓		51.2		2.45
x	bis(2-Ethylhexyl)phthalate	111.9846			13.7	J	24.5

00566

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-1A
Date Received:	11/18/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	0	X9	2	120
Phenol - d5	1.21		1	102
Nitrobenzene - d5	73.1		34	146
2 - Fluorobiphenyl	79.3		35	143
2,4,6 - Tribromophenol	0	X9	29	151
p - Terphenyl - d14	69.8		35	166

		Result			
Analyte		**(ug/L)**	**RL**	**MDL**	**Flags**
Phenol	ND		0.201	0.00461	
bis(2-Chloroethyl)ether	ND		0.201	0.0325	
2-Chlorophenol	ND		0.201	0.0422	
1,3-Dichlorobenzene	ND		0.201	0.0368	
1,4-Dichlorobenzene	ND		0.201	0.0317	
Benzyl Alcohol	ND		0.201	0.0426	
1,2-Dichlorobenzene	ND		0.201	0.0279	
2-Methylphenol	ND		0.201	0.0392	
bis(2-Chloroisopropyl)ether	ND		0.201	0.043	
3-&4-Methylphenol	ND		0.401	0.0442	
N-nitroso-di-n-propylamine	ND		0.201	0.037	
Hexachloroethane	ND		0.201	0.0382	
Nitrobenzene	ND		0.201	0.0522	
Isophorone	ND		0.201	0.0284	
2-Nitrophenol	ND		0.201	0.0429	
2,4-Dimethylphenol	ND		1	0.184	
Benzoic Acid	ND		1	0.134	
bis(2-Chloroethoxy)methane	ND		0.201	0.0182	
2,4-Dichlorophenol	ND		0.201	0.0187	
1,2,4-Trichlorobenzene	ND		0.201	0.0123	
Naphthalene		0.0399	0.0502	0.0175	J
4-Chloroaniline	ND		0.301	0.0725	
Hexachlorobutadiene	ND		0.201	0.0147	
4-Chloro-3-methylphenol	ND		0.201	0.0245	
2-Methylnaphthalene		0.0158	0.0502	0.0149	J
Hexachlorocyclopentadiene	ND		1	0.311	

00567

Semivolatile Organics by USEPA Method 8270 data for 124945-1A continued...

Analyte		Result (ug/L)	RL	MDL	
2,4,6-Trichlorophenol	ND		0.201	0.0322	
2,4,5-Trichlorophenol	ND		0.201	0.0444	
2-Chloronaphthalene	ND		0.0201	0.00481	
2-Nitroaniline	ND		0.201	0.03	
Dimethylphthalate	ND		0.201	0.0391	
Acenaphthylene	ND		0.0201	0.00241	
2,6-Dinitrotoluene	ND		0.201	0.0381	
3-Nitroaniline	ND		0.201	0.0567	
Acenaphthene		0.00491	0.0201	0.00341	J
2,4-Dinitrophenol	ND		1	0.208	
4-Nitrophenol	ND		1	0.118	
Dibenzofuran	ND		0.201	0.0206	
2,4-Dinitrotoluene	ND		0.201	0.0576	
Diethylphthalate		0.0585	0.201	0.0559	J
4-Chlorophenylphenylether	ND		0.201	0.0323	
Fluorene		0.00731	0.0201	0.00171	J
4-Nitroaniline	ND		0.201	0.0389	
4,6-Dinitro-2-methylphenol	ND		1	0.311	
N-Nitrosodiphenylamine	ND		0.201	0.00853	
4-Bromophenylphenylether	ND		0.201	0.022	
Hexachlorobenzene	ND		0.201	0.0251	
Pentachlorophenol	ND		0.201	0.201	
Phenanthrene		0.00957	0.0201	0.00371	J
Anthracene	ND		0.0201	0.00191	
Di-n-butylphthalate		0.13	0.201	0.0373	J
Fluoranthene	ND		0.0201	0.00572	
Pyrene	ND		0.0201	0.00291	
Butylbenzylphthalate		0.117	0.301	0.0978	J
3,3'-Dichlorobenzidine	ND		1	0.188	
Benzo(a)anthracene	ND		0.0201	0.00522	
Chrysene	ND		0.0201	0.00843	
bis(2-Ethylhexyl)phthalate	ND		1.5	0.382	
Di-n-octylphthalate	ND		0.201	0.0274	
Benzofluoranthenes	ND		0.1	0.0119	
Benzo(a)pyrene	ND		0.0201	0.00331	
Indeno(1,2,3-cd)pyrene	ND		0.0201	0.00281	
Dibenz(a,h)anthracene	ND		0.0201	0.00311	
Benzo(g,h,i)perylene	ND		0.0201	0.00512	
Carbazole	ND		0.201	0.0218	
N-nitrosodimethylamine	ND		1	1	
Benzidine	ND		1	1	

00568

STL Seattle

Lab ID:	Method Blank - SW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	25.8		2	120
Phenol - d5	13.8		1	102
Nitrobenzene - d5	64.2		34	146
2 - Fluorobiphenyl	63.1		35	143
2,4,6 - Tribromophenol	41.2		29	151
p - Terphenyl - d14	47.2		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	

00569

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for SW1034 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	ND		0.2	0.0372
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

00570

STL Seattle

Blank Spike/Blank Spike Duplicate Report

Lab ID:	SW1034
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
QC Batch ID:	SW1034

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	0.467	31.1	0.468	31.2	0.32	
2-Chlorophenol	0	1.5	0.999	66.6	0.9	60	-10	
1,4-Dichlorobenzene	0	1	0.736	73.6	0.672	67.2	-9.1	
N-nitroso-di-n-propylamine	0	1	0.743	74.3	0.805	80.5	8	
1,2,4-Trichlorobenzene	0	1	0.765	76.5	0.786	78.6	2.7	
4-Chloro-3-methylphenol	0	1.5	1.14	76.1	1.31	87.2	14	
Acenaphthene	0	1	0.71	71	0.831	83.1	16	
4-Nitrophenol	0	1.5	0.671	44.7	0.783	52.2	15	
2,4-Dinitrotoluene	0	1	0.77	77	0.719	71.9	-6.9	
Pentachlorophenol	0	1.5	0.579	38.6	0.471	31.4	-21	
Pyrene	0	1	0.716	71.6	0.795	79.5	10	

00571

STL Seattle

Lab ID:	Blank Spike - SSW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	41.4		2	120
Phenol - d5	30.7		1	102
Nitrobenzene - d5	66.3		34	146
2 - Fluorobiphenyl	76.9		35	143
2,4,6 - Tribromophenol	67.5		29	151
p - Terphenyl - d14	85.9		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.467	0.2	0.0046	
2-Chlorophenol	0.999	0.2	0.0421	
1,4-Dichlorobenzene	0.736	0.2	0.0316	
N-nitroso-di-n-propylamine	0.743	0.2	0.0369	
1,2,4-Trichlorobenzene	0.765	0.2	0.0123	
4-Chloro-3-methylphenol	1.14	0.2	0.0244	
Acenaphthene	0.71	0.02	0.0034	
4-Nitrophenol	0.671	1	0.118	J
2,4-Dinitrotoluene	0.77	0.2	0.0574	
Pentachlorophenol	0.579	0.2	0.2	
Pyrene	0.716	0.02	0.0029	

00572

STL Seattle

Lab ID:	Blank Spike Duplicate - DSW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	40.3		2	120
Phenol - d5	29.7		1	102
Nitrobenzene - d5	74.4		34	146
2 - Fluorobiphenyl	84.1		35	143
2,4,6 - Tribromophenol	68.9		29	151
p - Terphenyl - d14	87		35	166

Analyte	**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol	0.468	0.2	0.0046	
2-Chlorophenol	0.9	0.2	0.0421	
1,4-Dichlorobenzene	0.672	0.2	0.0316	
N-nitroso-di-n-propylamine	0.805	0.2	0.0369	
1,2,4-Trichlorobenzene	0.786	0.2	0.0123	
4-Chloro-3-methylphenol	1.31	0.2	0.0244	
Acenaphthene	0.831	0.02	0.0034	
4-Nitrophenol	0.783	1	0.118	J
2,4-Dinitrotoluene	0.719	0.2	0.0574	
Pentachlorophenol	0.471	0.2	0.2	
Pyrene	0.795	0.02	0.0029	

000573

STL Seattle

Matrix Spike/Matrix Spike Duplicate Report

Client Sample ID:	041117SGA05GW
Lab ID:	124993-11A
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
QC Batch ID:	SW1034

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	0.01	1.52	0.013	0.201	0.131	8.57	190	X7
2-Chlorophenol	0	1.52	0.0852	5.62	0.162	11.4	68	X7
1,4-Dichlorobenzene	0	1.01	0.676	66.9	0.707	74.9	11	
N-nitroso-di-n-propylamine	0	1.01	0.699	69.2	0.945	100	36	
1,2,4-Trichlorobenzene	0	1.01	0.717	70.9	0.715	75.7	6.5	
4-Chloro-3-methylphenol	0	1.52	0.565	37.3	0.379	26.7	-33	X7
Acenaphthene	0	1.01	0.894	88.4	0.796	84.3	-4.7	
4-Nitrophenol	0	1.52	0.0622	4.1	0.0616	4.35	5.9	
2,4-Dinitrotoluene	0	1.01	0.893	88.3	0.766	81.2	-8.4	
Pentachlorophenol	0	1.52	0	0	0	0	0	X7
Pyrene	0	1.01	0.874	86.4	0.759	80.4	-7.2	

00574

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA05GW - ms
Lab ID:	124993S11A
Date Received:	11/19/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	4.43		2	120
Phenol - d5	0.931	X9	1	102
Nitrobenzene - d5	69.7		34	146
2 - Fluorobiphenyl	84.9		35	143
2,4,6 - Tribromophenol	16.5	X9	29	151
p - Terphenyl - d14	93.8		35	166

		Result			
Analyte		**(ug/L)**	**RL**	**MDL**	**Flags**
Phenol		0.013	0.202	0.00465	J
2-Chlorophenol		0.0852	0.202	0.0426	J
1,4-Dichlorobenzene		0.676	0.202	0.032	
N-nitroso-di-n-propylamine		0.699	0.202	0.0373	
1,2,4-Trichlorobenzene		0.717	0.202	0.0124	
4-Chloro-3-methylphenol		0.565	0.202	0.0247	
Acenaphthene		0.894	0.0202	0.00344	
4-Nitrophenol	ND		1.01	0.119	
2,4-Dinitrotoluene		0.893	0.202	0.058	
Pentachlorophenol	ND		0.202	0.202	
Pyrene		0.874	0.0202	0.00293	

00575

STL Seattle

Client Name:	URS Corporation
Client ID:	041117SGA05GW - msd
Lab ID:	124993D11A
Date Received:	11/19/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	2.18		2	120
Phenol - d5	8.61		1	102
Nitrobenzene - d5	81.8		34	146
2 - Fluorobiphenyl	81.4		35	143
2,4,6 - Tribromophenol	1.69	X9	29	151
p - Terphenyl - d14	85.9		35	166

		Result			
Analyte		**(ug/L)**	**RL**	**MDL**	**Flags**
Phenol		0.131	0.189	0.00434	J
2-Chlorophenol		0.162	0.189	0.0398	J
1,4-Dichlorobenzene		0.707	0.189	0.0298	
N-nitroso-di-n-propylamine		0.945	0.189	0.0348	
1,2,4-Trichlorobenzene		0.715	0.189	0.0116	
4-Chloro-3-methylphenol		0.379	0.189	0.023	
Acenaphthene		0.796	0.0189	0.00321	
4-Nitrophenol	ND		0.944	0.111	
2,4-Dinitrotoluene		0.766	0.189	0.0542	
Pentachlorophenol	ND		0.189	0.189	
Pyrene		0.759	0.0189	0.00274	

00576

DISSOLVED SEMIVOLATILE DATA PACKAGE

00577

SAMPLE DATA

00578

Data File : U:\DATA\112304\B03530.D Vial: 0
Acq On : 23 Nov 2004 13:46 Operator: CLZ
Sample : 124945-1A SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:06:51 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration
DataAcq Meth :

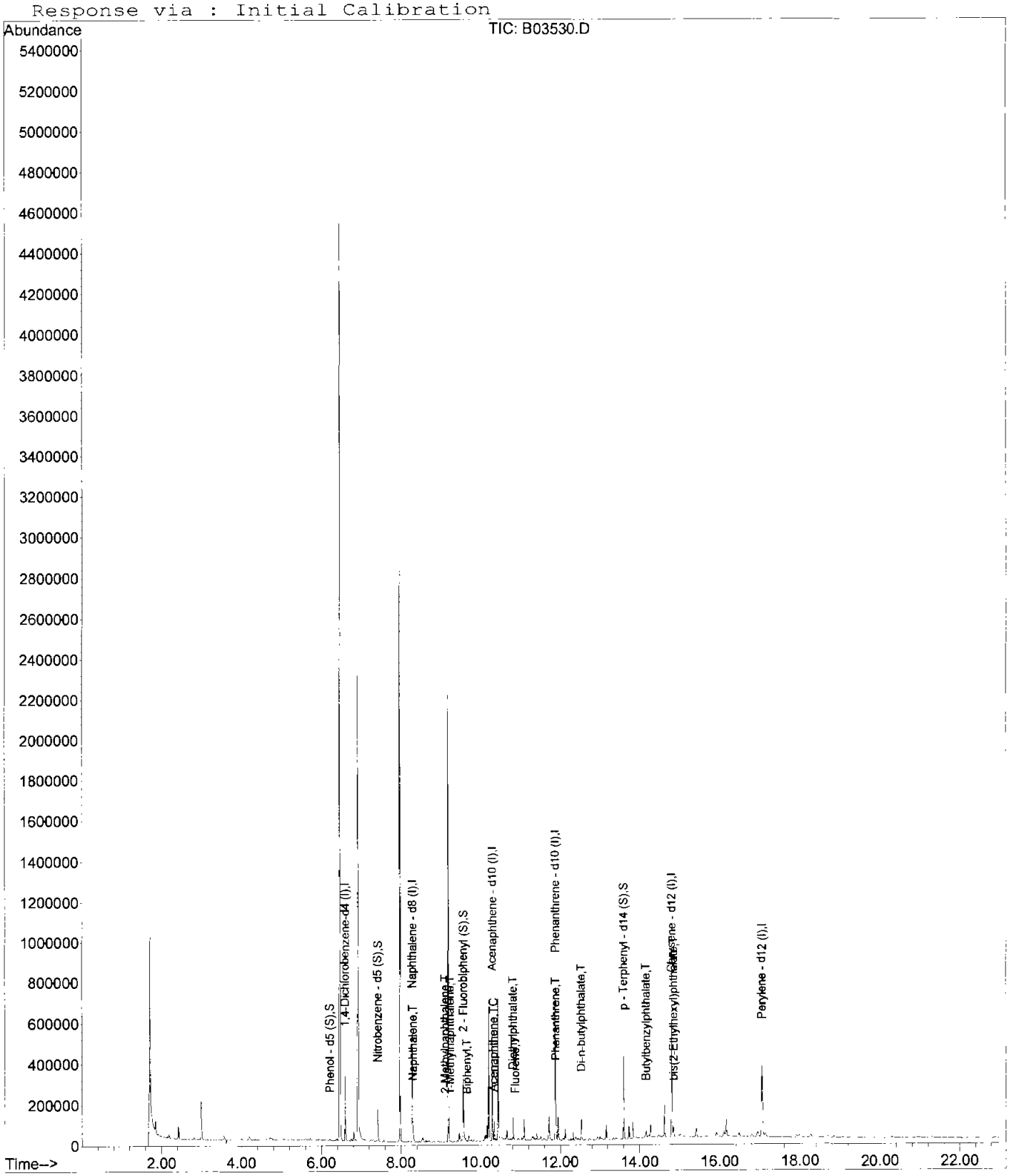
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.60	152	52752	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.29	136	234548	1000.00	ug/L		0.00
36) Acenaphthene - d10 (I)	10.30	162	163694	1000.00	ug/L		0.00
60) Phenanthrene - d10 (I)	11.88	188	260454	1000.00	ug/L		0.00
77) Chrysene - d12 (I)	14.80	240	341987+	1000.00	ul/l		0.00
83) Perylene - d12 (I)	17.05	264	382658+	1000.00	ug/L		0.00
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	0.00	112	0	0.00	ug/L		
6) Phenol - d5 (S)	6.22	99	796	12.10	ug/L		0.00
21) Nitrobenzene - d5 (S)	7.42	82	47188	730.85	ug/L		-0.03
41) 2 - Fluorobiphenyl (S)	9.57	172	100001	793.41	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	0.00	330	0	0.00	ug/L		
76) p - Terphenyl - d14 (S)	13.60	244	155177	698.06	ug/L		0.00
Target Compounds							Qvalue
30) Naphthalene	8.31	128	7235	39.82	ug/L		82
34) 2-Methylnaphthalene	9.12	141	1314	15.73	ug/L	#	1
35) 1-Methylnaphthalene	9.24	141	1272	14.77	ul/l	#	1
43) Biphenyl	9.66	154	551	3.31	ug/L	#	38
49) Acenaphthene	10.33	153	660	4.90	ug/L		100
56) Diethylphthalate	10.81	149	6369	58.33	ug/L		89
57) Fluorene	10.88	166	1063	7.29	ug/L		98
68) Phenanthrene	11.90	178	1826	9.54	ug/L		48
72) Di-n-butylphthalate	12.54	149	27997	129.13	ug/L		95
78) Butylbenzylphthalate	14.16	149	11673	116.61	ug/L		87
82) bis(2-Ethylhexyl)phthalate	14.85	149	16666	103.09	ug/L		99

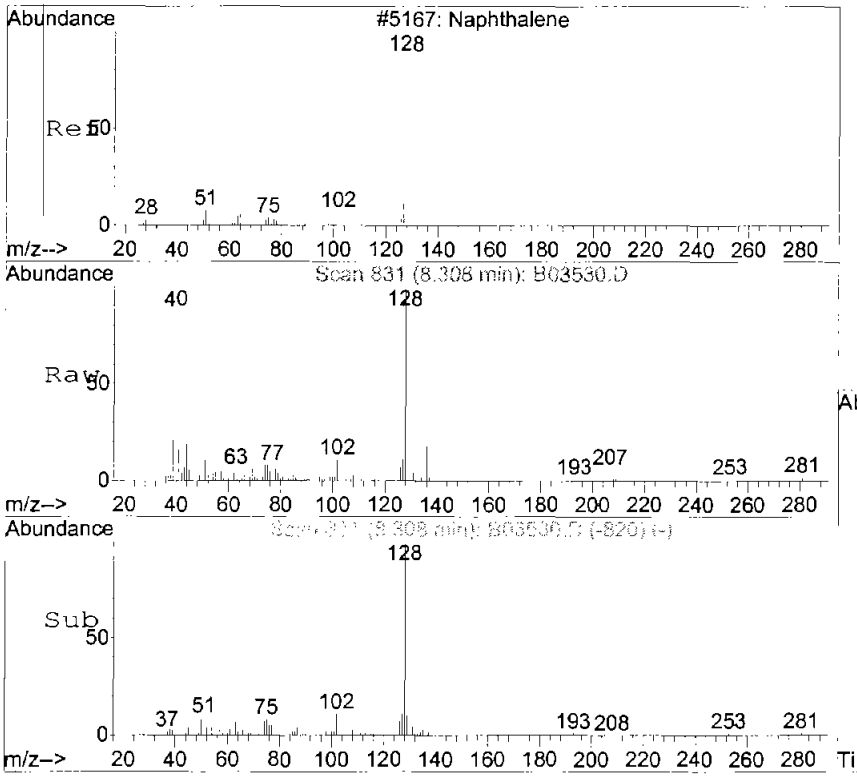
(#) = qualifier out of range (m) = manual integration (+) = signals summed

31364
00579

Data File : U:\DATA\112304\B03530.D Vial: 0
Acq On : 23 Nov 2004 13:46 Operator: CLZ
Sample : 124945-1A SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:09 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration

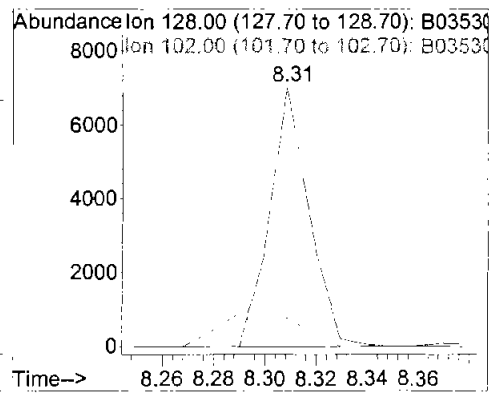


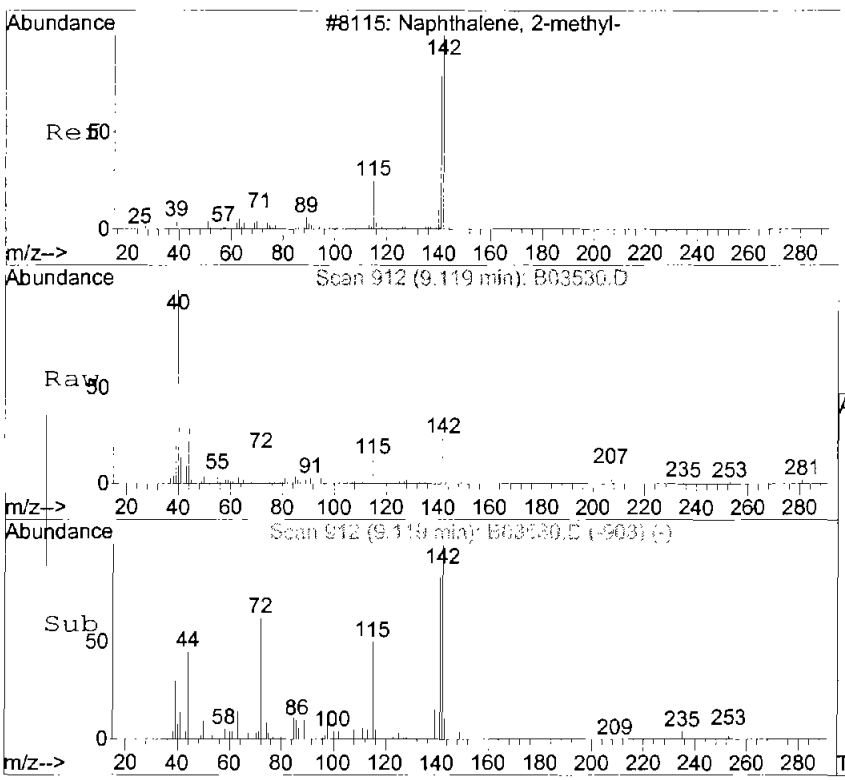


#30
Naphthalene
Concen: 39.82 ug/L
RT: 8.31 min Scan# 831
Delta R.T. 0.01 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:128 Resp: 7235

Ion	Ratio	Lower	Upper
128	100		
102	23.1	0.0	55.7

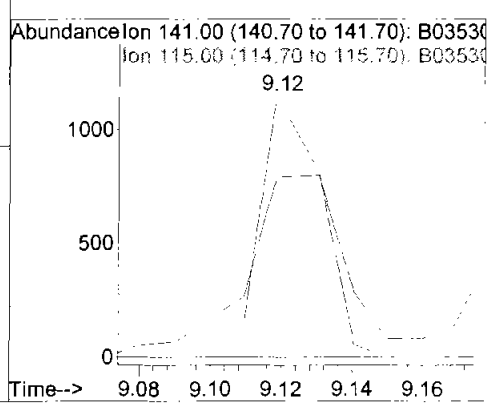


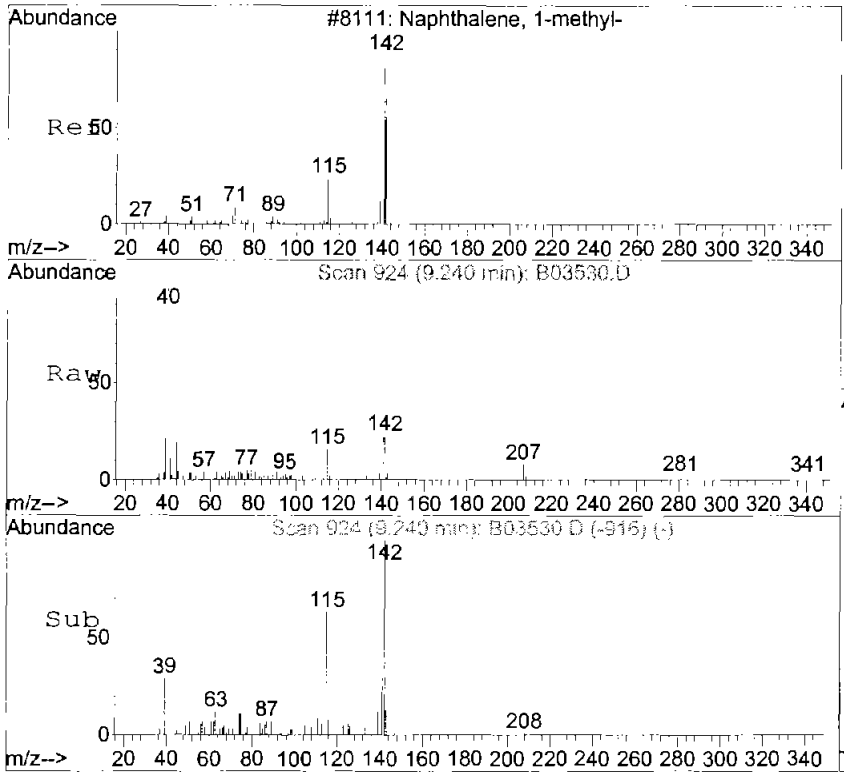


#34
2-Methylnaphthalene
Concen: 15.73 ug/L
RT: 9.12 min Scan# 912
Delta R.T. -0.01 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:141 Resp: 1314

Ion	Ratio	Lower	Upper
141	100		
115	117.7	0.0	70.0#

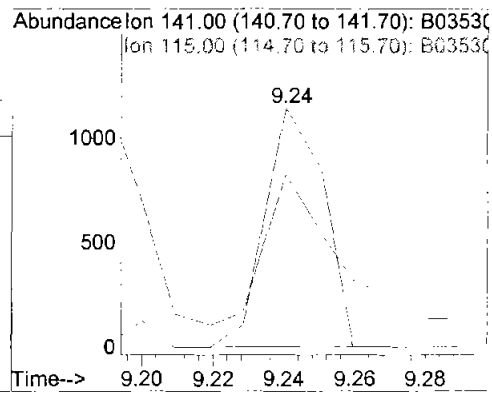


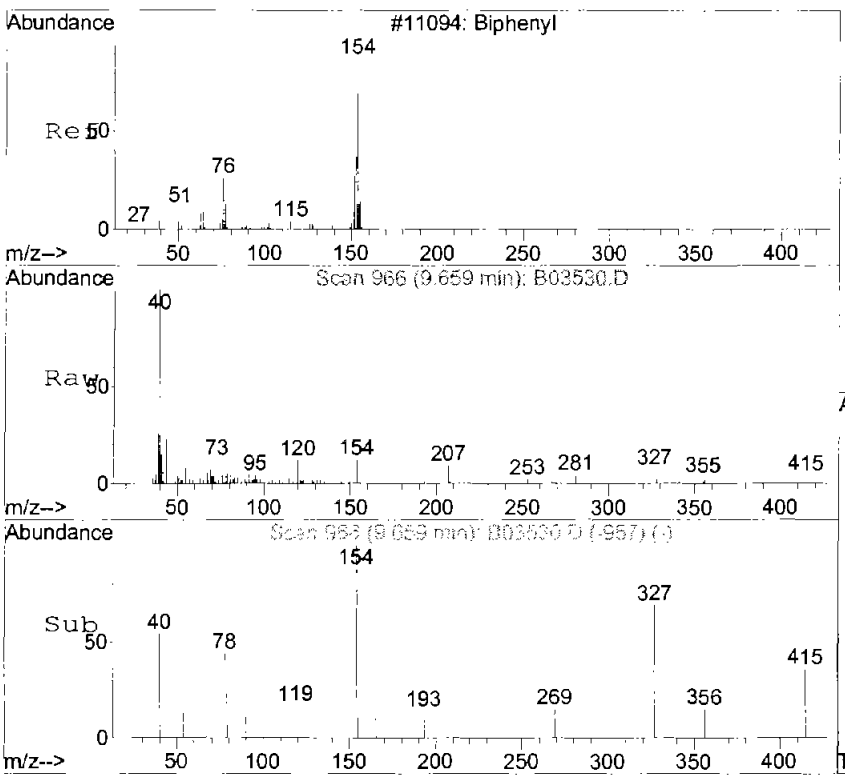


#35
1-Methylnaphthalene
Concen: 14.77 ul/l
RT: 9.24 min Scan# 924
Delta R.T. -0.01 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:141 Resp: 1272

Ion	Ratio	Lower	Upper
141	100		
115	87.3	0.0	70.0#

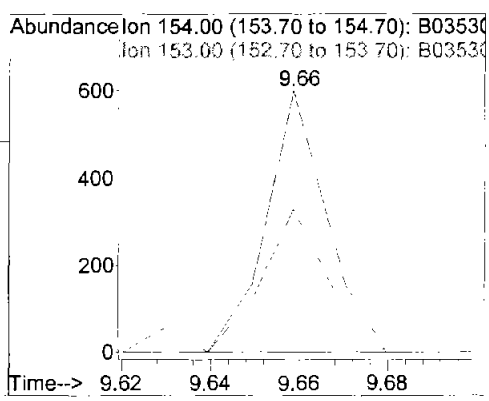


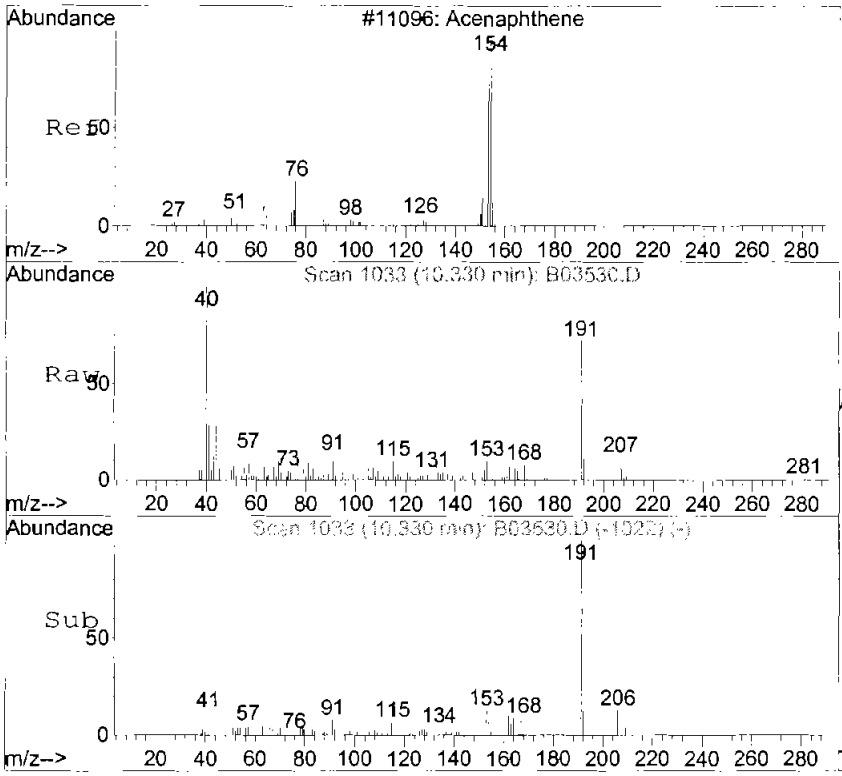


#43
Biphenyl
Concen: 3.31 ug/L
RT: 9.66 min Scan# 966
Delta R.T. -0.01 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:154 Resp: 551

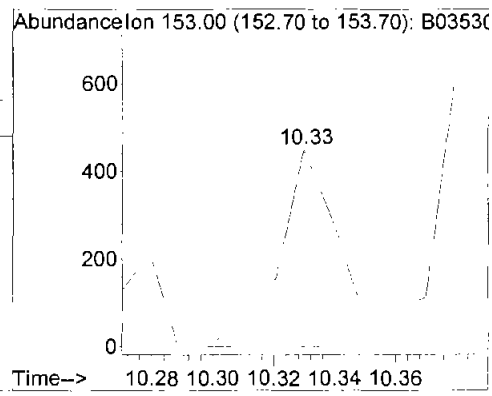
Ion	Ratio	Lower	Upper
154	100		
153	0.0	0.0	76.9

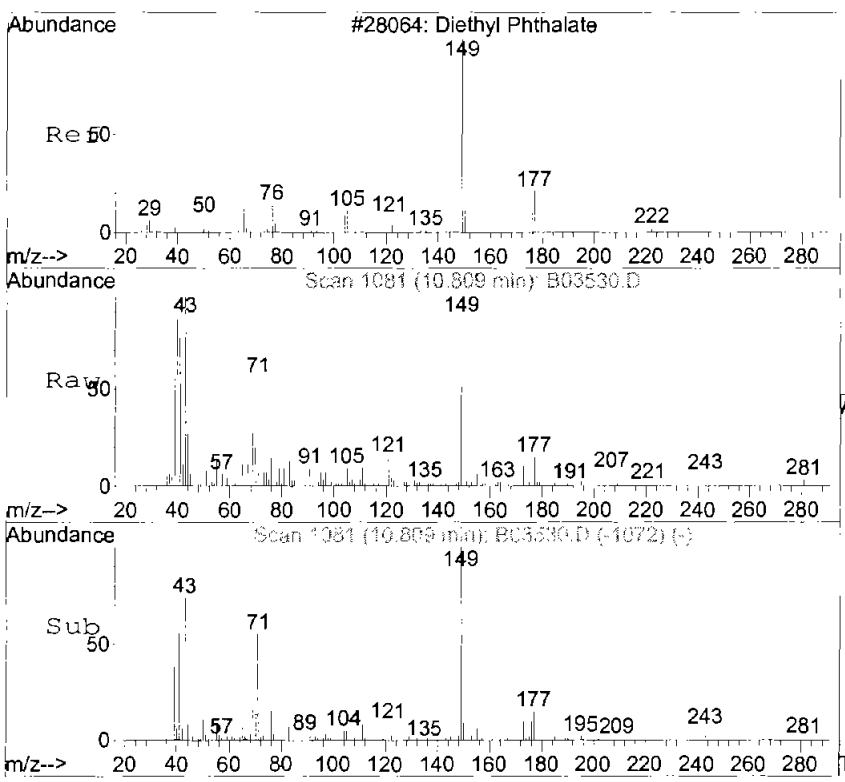




#49
Acenaphthene
Concen: 4.90 ug/L
RT: 10.33 min Scan# 1033
Delta R.T. 0.01 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:153 Resp: 660

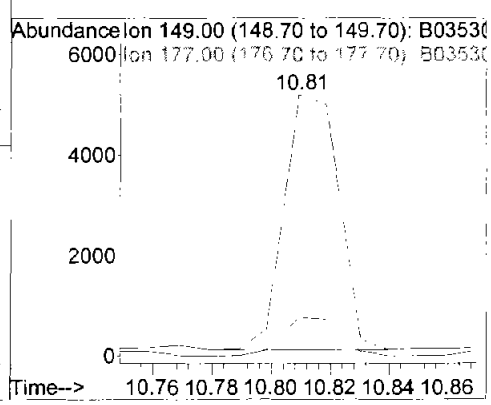


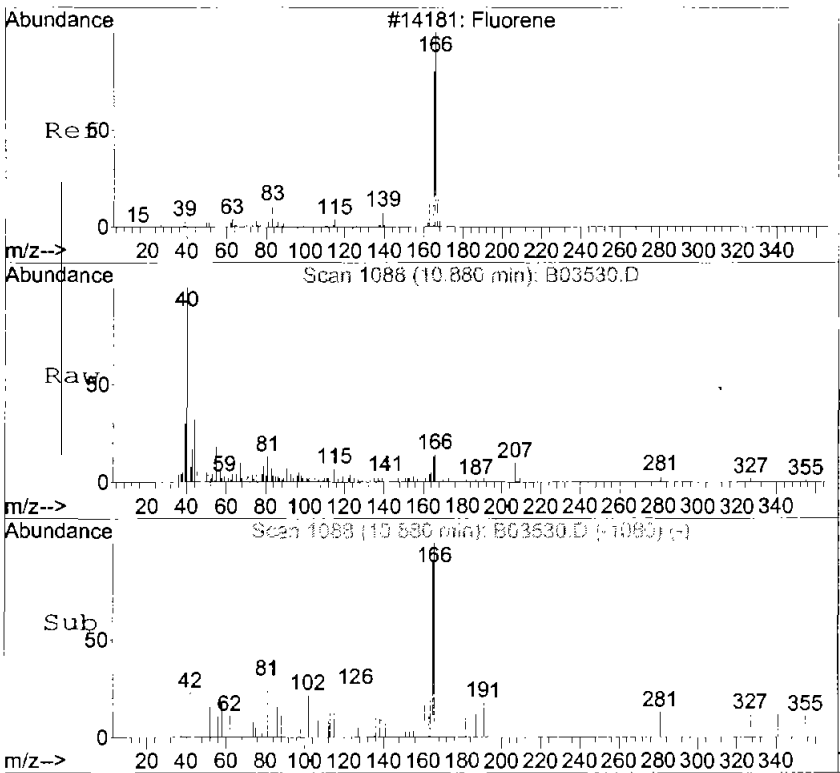


#56
Diethylphthalate
Concen: 58.33 ug/L
RT: 10.81 min Scan# 1081
Delta R.T. -0.01 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:149 Resp: 6369

Ion	Ratio	Lower	Upper
149	100		
177	15.9	0.0	61.2

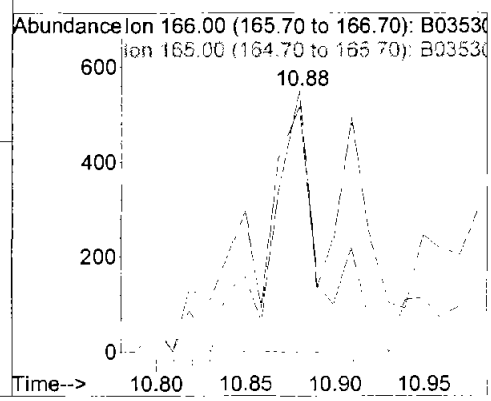


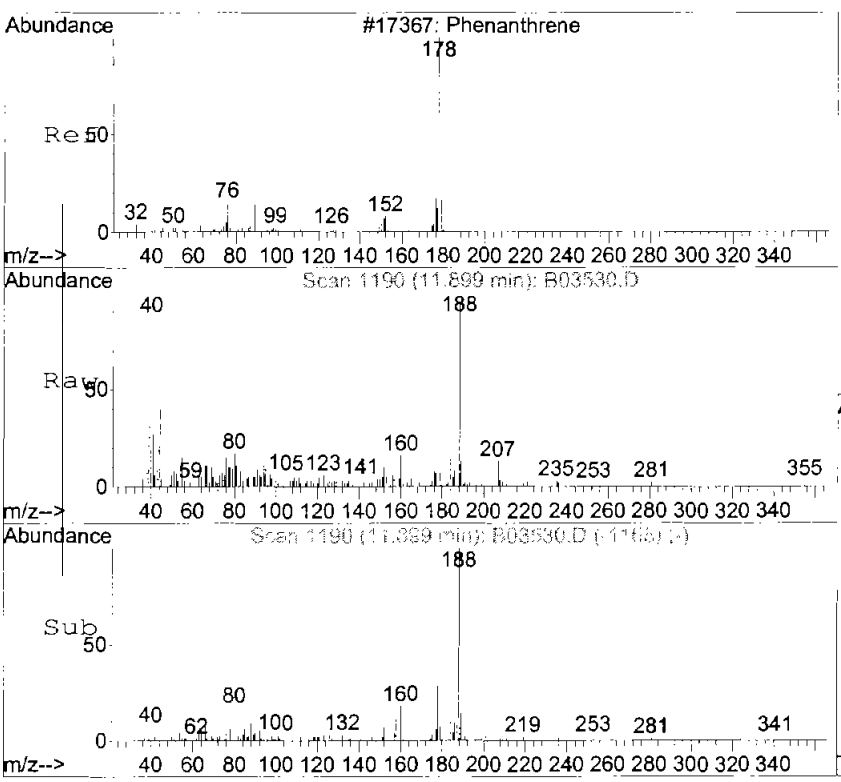


#57
Fluorene
Concen: 7.29 ug/L
RT: 10.88 min Scan# 1088
Delta R.T. -0.02 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:166 Resp: 1063

Ion	Ratio	Lower	Upper
166	100		
165	103.7	66.2	146.2

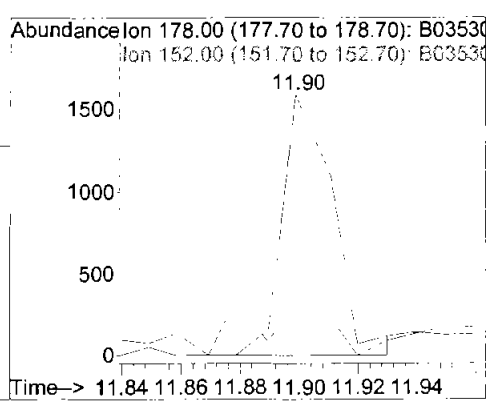


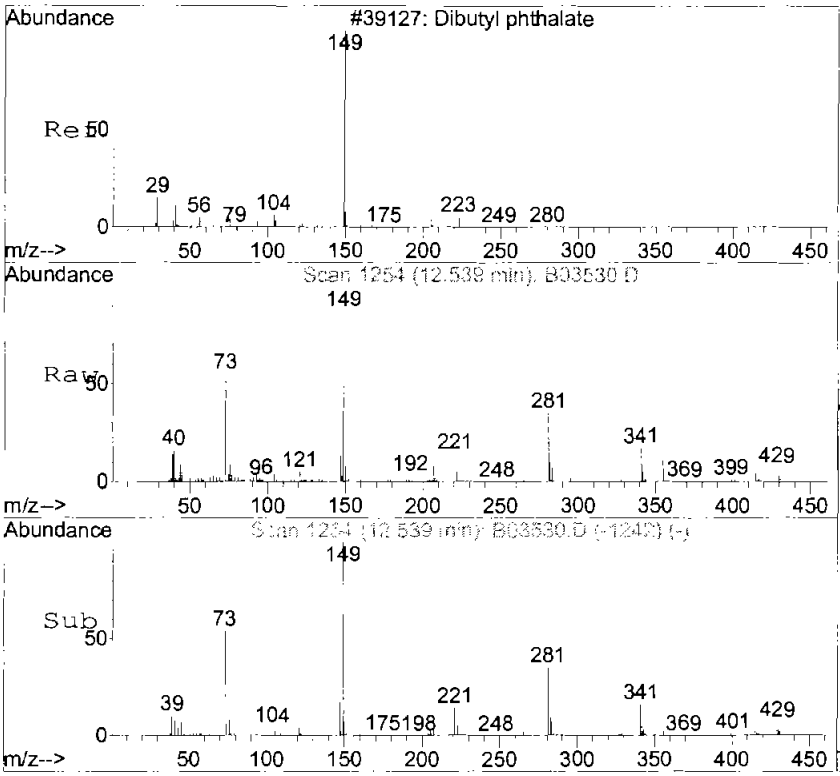


#68
Phenanthrene
Concen: 9.54 ug/L
RT: 11.90 min Scan# 1190
Delta R.T. -0.01 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:178 Resp: 1826

Ion	Ratio	Lower	Upper
178	100		
152	38.8	0.0	56.4

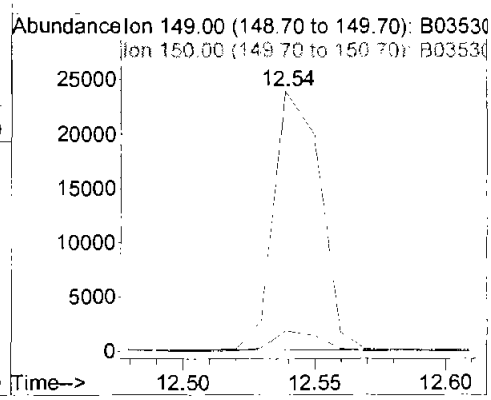


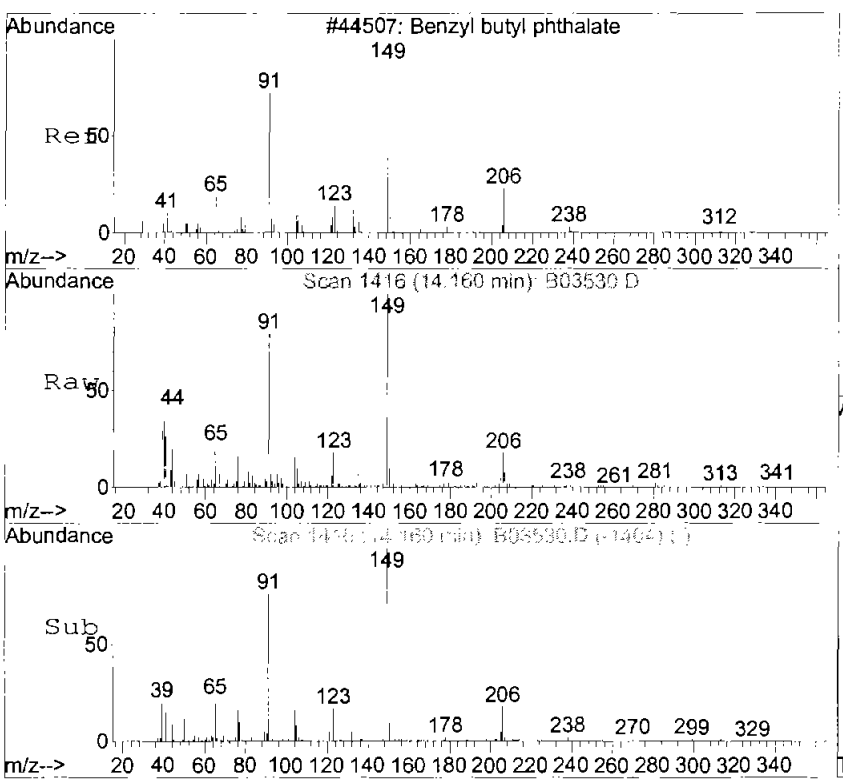


#72
Di-n-butylphthalate
Concen: 129.13 ug/L
RT: 12.54 min Scan# 1254
Delta R.T. 0.02 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:149 Resp: 27997

Ion	Ratio	Lower	Upper
149	100		
150	8.1	0.0	50.0

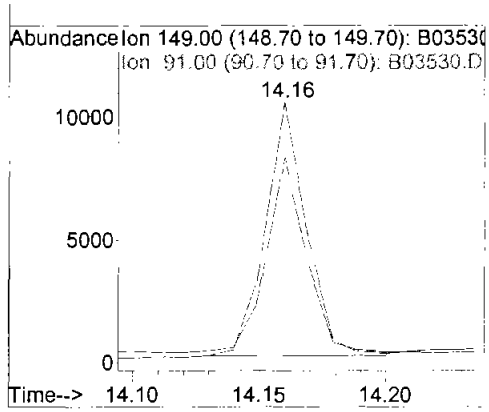




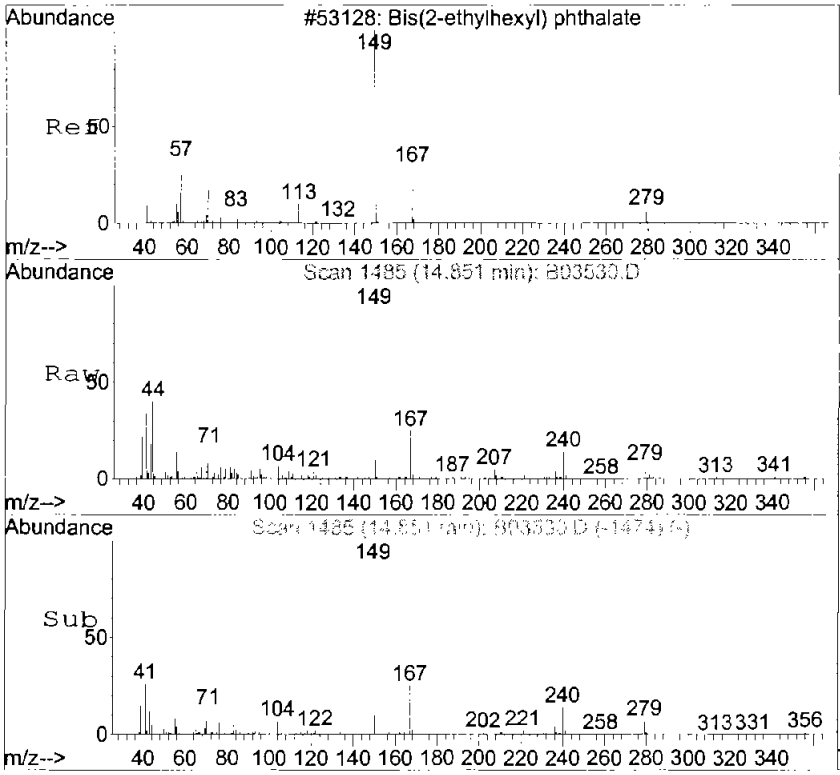
#78
Butylbenzylphthalate
Concen: 116.61 ug/L
RT: 14.16 min Scan# 1416
Delta R.T. 0.02 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:149 Resp: 11673

Ion	Ratio	Lower	Upper
149	100		
91	73.4	45.0	125.0



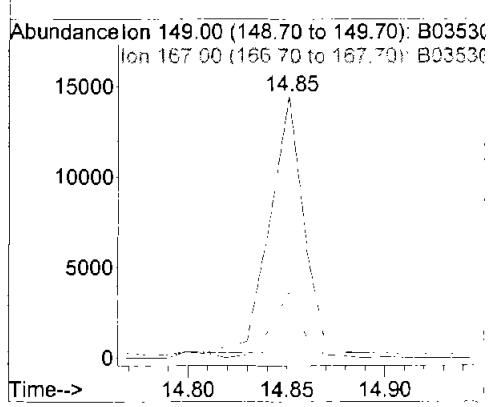
000585



#82
bis(2-Ethylhexyl)phthalate
Concen: 103.09 ug/L
RT: 14.85 min Scan# 1485
Delta R.T. 0.01 min
Lab File: B03530.D
Acq: 23 Nov 2004 13:46

Tgt Ion:149 Resp: 16666

Ion	Ratio	Lower	Upper
149	100		
167	22.9	0.0	62.6



INITIAL CALIBRATION

00587

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 - Fluoropheno		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	0.262		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	0.775#	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#	10.76
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	0.286	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	0.176	0.203	0.185		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	1.265	1.370	1.086	1.214	1.157	1.235#	8.18
47)	T	2,6-Dinitrotolu	0.216	0.176	0.169	0.150		0.130	0.153#	21.21
48)	T	3-Nitroaniline		0.136	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	39.93
52)	T	Dibenzofuran	0.937	0.834	0.956	0.828		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 ###

31382
00588

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#	7.30
69)	T	Anthracene	0.817	0.695	0.802	0.756	0.757	0.794	0.784#	5.48
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#	5.56
72)	T	Di-n-butylphtha		0.963	0.973	0.827		0.794	0.832#	12.65
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#	13.92
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#	6.32
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#	9.32
85)	T	Benzofluoranthe	0.626	0.656	0.634	0.601	0.625	0.593	0.621#	3.22
86)	TC	Benzo(a)pyrene	0.592	0.617	0.574	0.578	0.547	0.564	0.585#	4.00
87)	T	Indeno(1,2,3-cd	0.643	0.725	0.714	0.721	0.617	0.611	0.652#	7.93
88)	T	Dibenz(a,h)anth	0.596	0.654	0.614	0.616	0.493	0.616	0.614#	8.12
89)	T	Benzo(g,h,i)per	0.570	0.649	0.614	0.614	0.464	0.608	0.598#	9.20

(#) = Out of Range ### Number of calibration levels exceeded format ###

00589

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	ul/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		0.01
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		58
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	#	22
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	33.83	ug/L		72
18) n-Nitroso-di-n-propylamine	7.29	70	843	18.80	ug/L	#	15
19) Hexachloroethane	7.29	117	1141	34.10	ug/L	#	8
22) Nitrobenzene	7.43	77	1228	22.85	ug/L		95
23) Isophorone	7.78	82	1397	16.59	ug/L		100
25) 2,4-Dimethylphenol	7.94	107	1375	28.75	ug/L		89
26) bis(2-Chloroethoxy)methane	8.06	93	753	20.44	ug/L	#	30
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	ul/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	#	12
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

31386

06500

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	ul/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	11.94	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

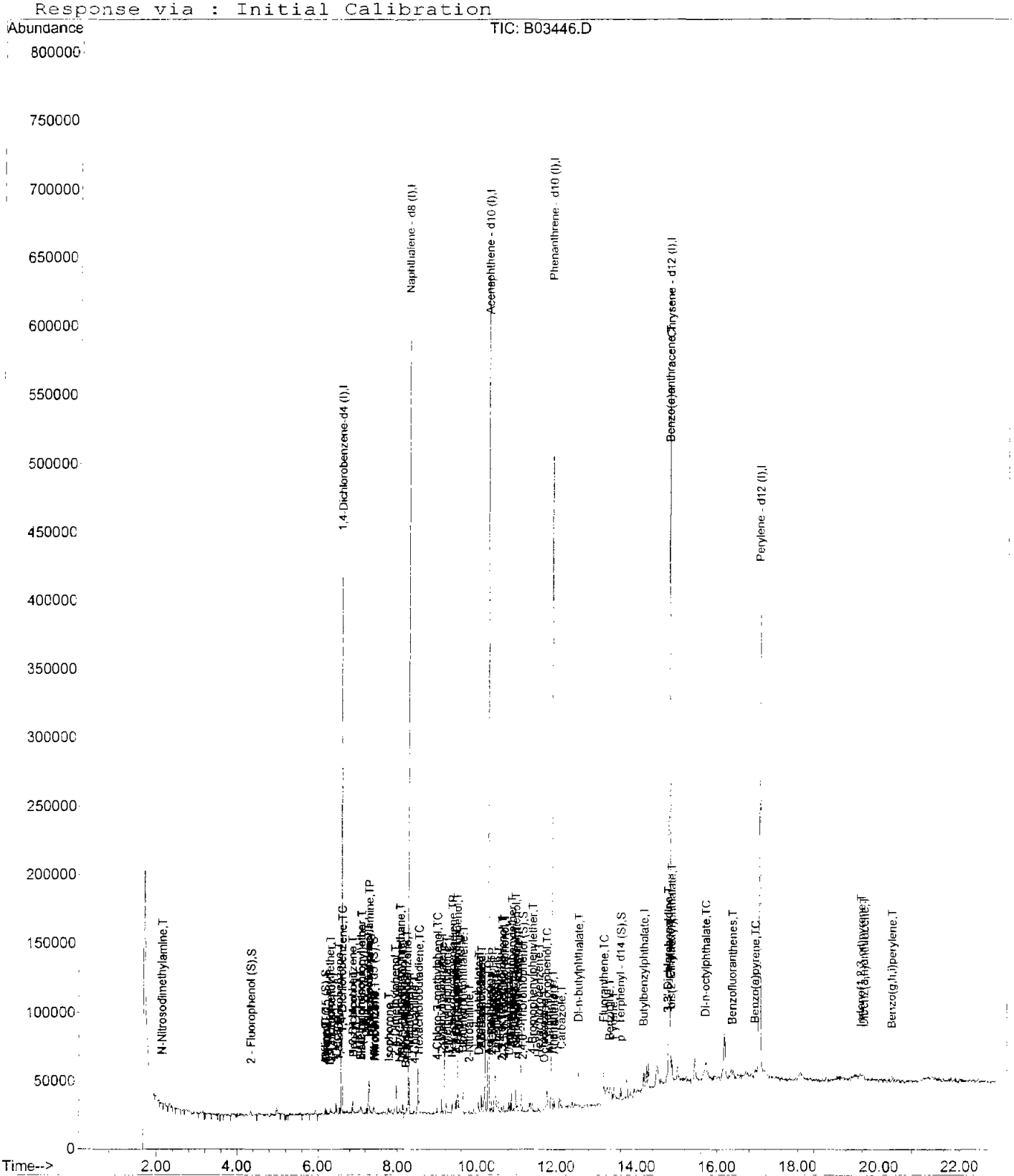
(#) = qualifier out of range (m) = manual integration (+) = signals summed

31388

00591

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	ul/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	3308	48.66	ug/L		-0.01
21) Nitrobenzene - d5 (S)	7.41	82	3468	54.27	ug/L		-0.04
41) 2 - Fluorobiphenyl (S)	9.56	172	5459	52.99	ug/L		0.02
63) 2,4,6 - Tribromophenol (S)	11.15	330	1836	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	7.94	107	2891	60.14	ug/L		98
26) bis(2-Chloroethoxy)methane	8.06	93	1331	35.95	ug/L	#	37
27) Benzoic Acid	8.28	105	826	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	2165	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	ul/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

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 :

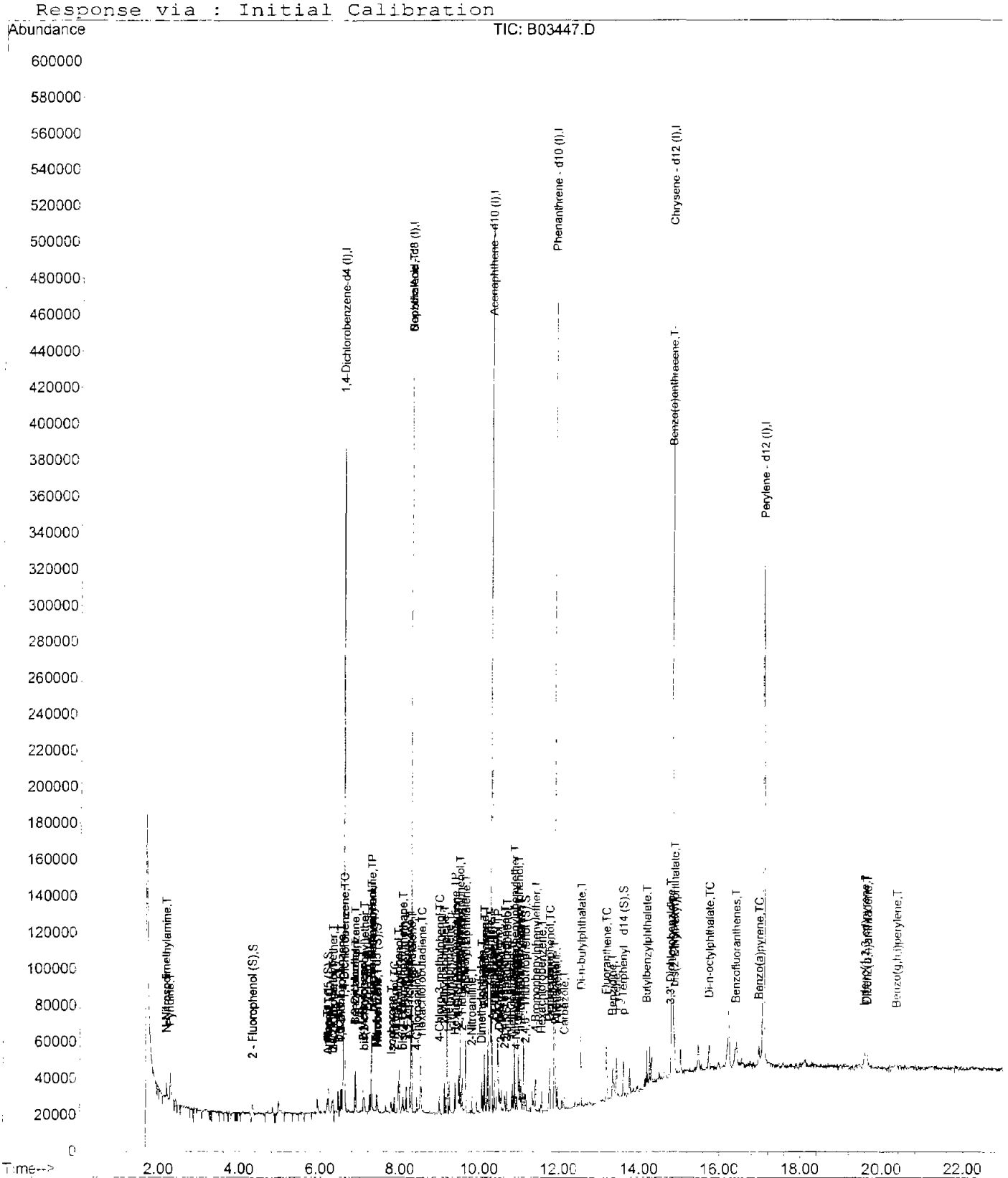
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Acenaphthylene	10.12	152	8641	54.07	ug/L		96
47)	2,6-Dinitrotoluene	10.12	165	1322	67.11	ug/L		91
48)	3-Nitroaniline	10.27	138	893	45.22	ug/L	#	1
49)	Acenaphthene	10.32	153	5800	53.69	ug/L		100
50)	2,4-Dinitrophenol	10.38	184	4959+	270.03	ug/L		97
51)	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	ul/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	1338	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	2681	50.11	ug/L		78
71)	Carbazole	12.12	167	7256	52.93	ug/L		99
72)	Di-n-butylphthalate	12.55	149	9859	59.41	ug/L		99
73)	Fluoranthene	13.19	202	10267	53.51	ug/L		80
74)	Pyrene	13.43	202	10099	52.95	ug/L		95
75)	Benzidine	13.33	184	15297	170.25	ug/L		100
78)	Butylbenzylphthalate	14.18	149	6161	77.10	ug/L		91
79)	Benzo(a)anthracene	14.80	228	9267	50.56	ug/L		68
80)	3,3'-Dichlorobenzidine	14.77	252	3296	44.59	ug/L		90
81)	Chrysene	14.85	228	8598	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	98.31	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	9705	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	8609	45.49	ug/L		99

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

31394
00594

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: 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 :

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	ul/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		75
11) 1,3-Dichlorobenzene	6.53	146	5540	102.38	ug/L		95
12) 1,4-Dichlorobenzene	6.61	146	5738	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		70
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		42
17) 3-&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		82
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	3376	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		91
35) 1-Methylnaphthalene	9.24	141	8863	113.66	ul/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	3792	112.15	ug/L		88
42) 2-Chloronaphthalene	9.66	162	7828	100.02	ug/L		63
43) Biphenyl	9.66	154	12467	86.67	ug/L		98
44) 2-Nitroaniline	9.82	138	2335	87.22	ug/L		83
45) Dimethylphthalate	10.06	163	10608	85.71	ug/L		100

* = qualifier out of range (m) = manual integration

313981
965009

Data File : U:\DATA\111504\B03448.D Vial: C
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 :

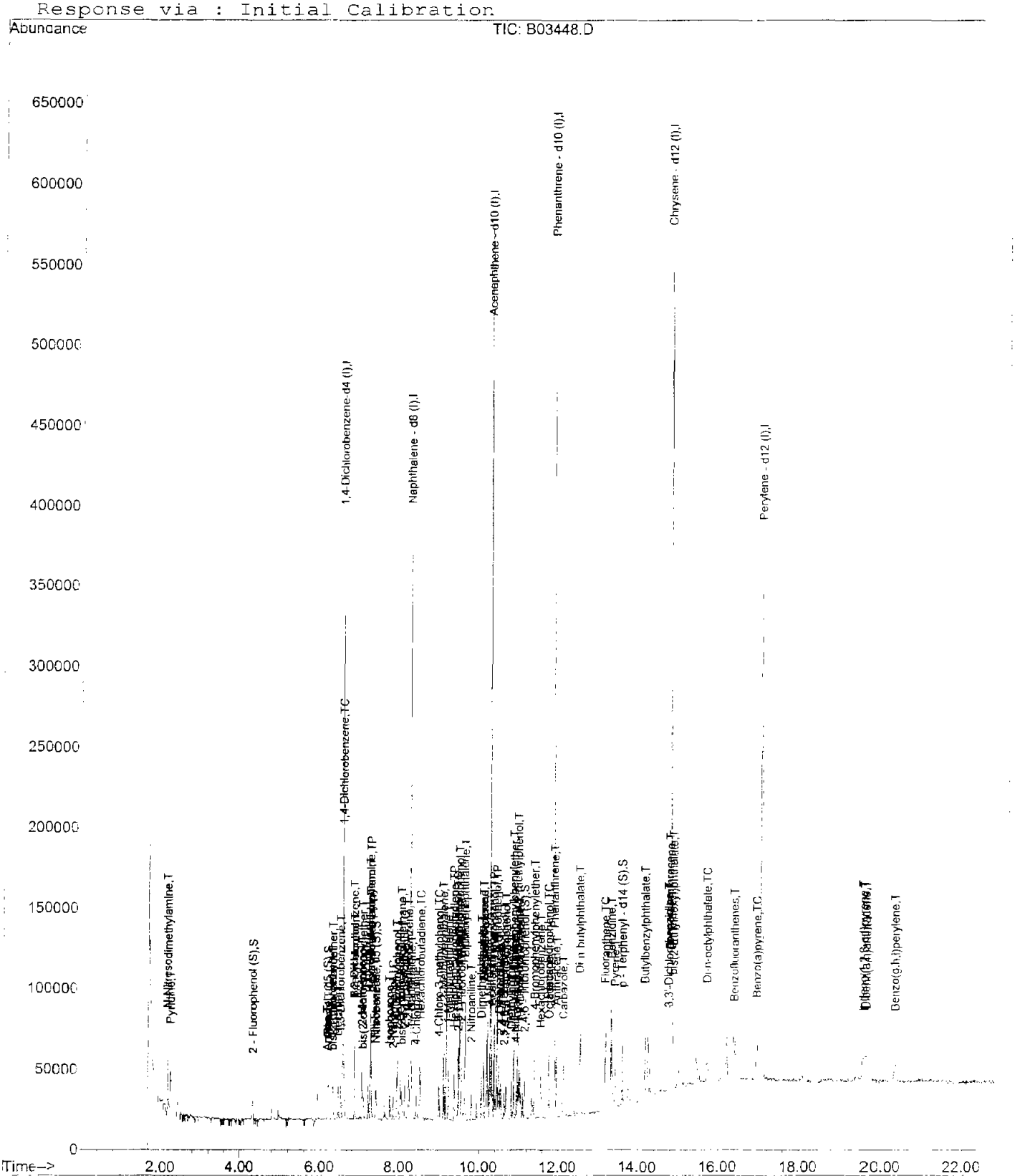
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Acenaphthylene	10.13	152	16775	96.96	ug/L		95
47)	2,6-Dinitrotoluene	10.13	165	2330	109.27	ug/L		77
48)	3-Nitroaniline	10.28	138	1802	84.28	ug/L	#	6
49)	Acenaphthene	10.33	153	11003	94.09	ug/L		100
50)	2,4-Dinitrophenol	10.39	184	12663+	636.95	ug/L		94
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		98
58)	4-Chlorophenylphenylether	10.89	204	6966	99.02	ug/L		89
59)	4-Nitroaniline	10.94	138	1847	102.96	ug/L		76
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	14.60	228	21347	103.93	ug/L		69
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	30098	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	24542	97.44	ug/L		92
88)	Dibenz(a,h)anthracene	19.65	278	22133	100.72	ug/L		96
89)	Benzo(g,h,i)perylene	20.34	276	21964	103.55	ug/L		90

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

31400
00597

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



Quantitation Report (RTE Integrator)

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		0.03
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		0.02
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		96
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	7.08	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	7.30	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		96
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	#	25
27) Benzoic Acid	8.05	105	19924	915.72	ug/L		100
28) 2,4-Dichlorophenol	8.15	162	9024	201.51	ug/L		96
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	8.55	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		86
37) Hexachlorocyclopentadiene	9.39	237	12064	220.47	ug/L		99
38) 2,3-Dichloroaniline	9.49	161	10359	175.41	ug/L		98
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		86
44) 2-Nitroaniline	9.82	138	4933	199.47	ug/L		73
45) Dimethylphthalate	10.06	163	25323	233.60	ug/L		100

(#) = qualifier out of range (m) = manual integration

31404

666500

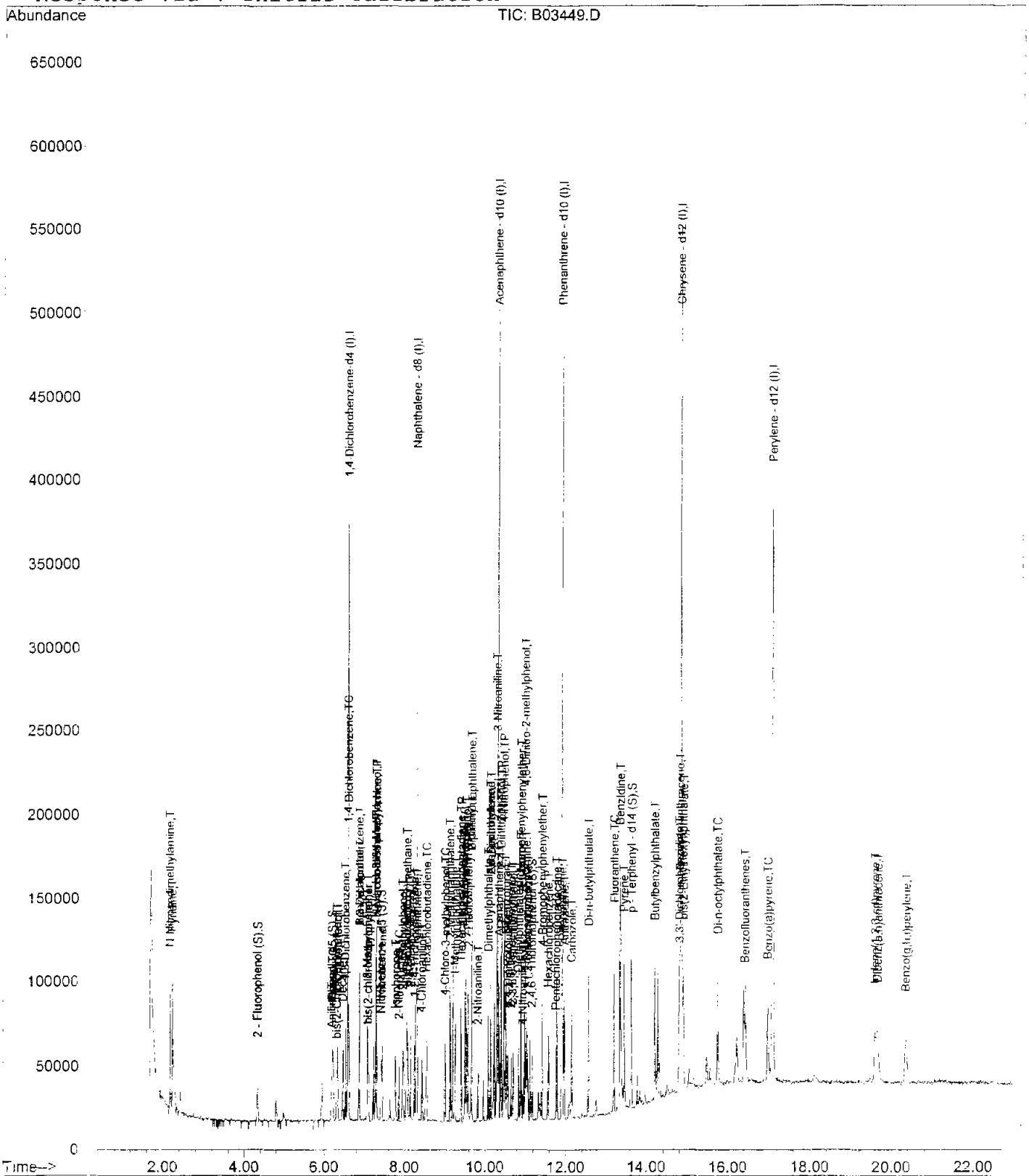
Data File : U:\DATA\111504\B03449.D Vial: 0
Acq On : 15 Nov 2004 17:07 Operator: CLZ
Sample : 200 UG/L 8270 ICAL STD NO 1281-1-4 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:22:46 2004 Quant Results File: 111604.RES

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	192.52	ug/L		99
72)	Di-n-butylphthalate	12.56	149	36257	223.09	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	89330	992.98	ug/L		100
78)	Butylbenzylphthalate	14.19	149	21018	226.43	ug/L		93
79)	Benzo(a)anthracene	14.80	228	45125	214.04	ug/L		79
80)	3,3'-Dichlorobenzidine	14.78	252	15621	187.21	ug/L		98
81)	Chrysene	14.85	228	38600	198.78	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	193.06	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

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: 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 :

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
63) 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		83
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	31205	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	566.43	ug/L	#	65
40) 2,4,5-Trichlorophenol	9.52	196	15231	452.81	ug/L		98
42) 2-Chloronaphthalene	9.67	162	36151	448.28	ug/L		69
43) Biphenyl	9.66	154	63458	444.82	ug/L		93
44) 2-Nitroaniline	9.82	138	12105	439.23	ug/L		77
45) Dimethylphthalate	10.07	163	64327	534.66	ug/L		100

(#) = qualifier out of range (m) = manual integration

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	ul/l		88
56)	Diethylphthalate	10.83	149	48154	486.18	ug/L		96
57)	Fluorene	10.88	166	57339	416.47	ug/L		84
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		92
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		86
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		78
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	513.09	ug/L		97
84)	Di-n-octylphthalate	15.74	149	124058	513.56	ug/L		99
85)	Benzofluoranthenes	16.41	252	192810	923.56	ug/L		80
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		89
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		92

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

31412

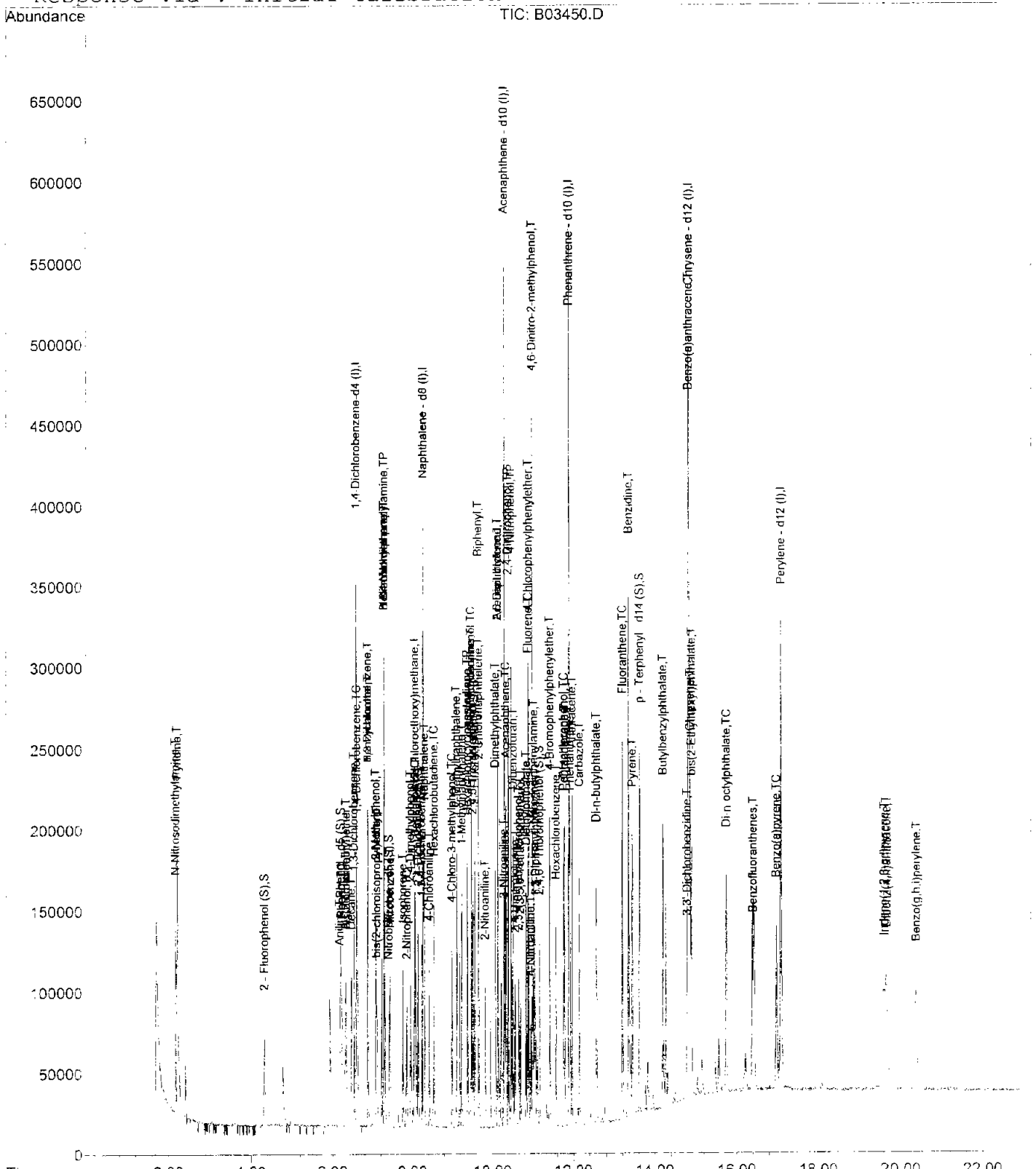
00603

Data File : U:\DATA\111504\B03450.D
Acq On : 15 Nov 2004 17:35
Sample : 500 UG/L 8270 ICAL STD NO 1281-1-5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 8:54 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



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
21) 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
2) 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	66418	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
22) Nitrobenzene	7.44	77	48174	956.32	ug/L	72
23) 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	843.69	ug/L	98
29) 1,2,4-Trichlorobenzene	8.24	180	43060	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	9.00	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	60860	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

00605

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	ug/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	172762	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	387451	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

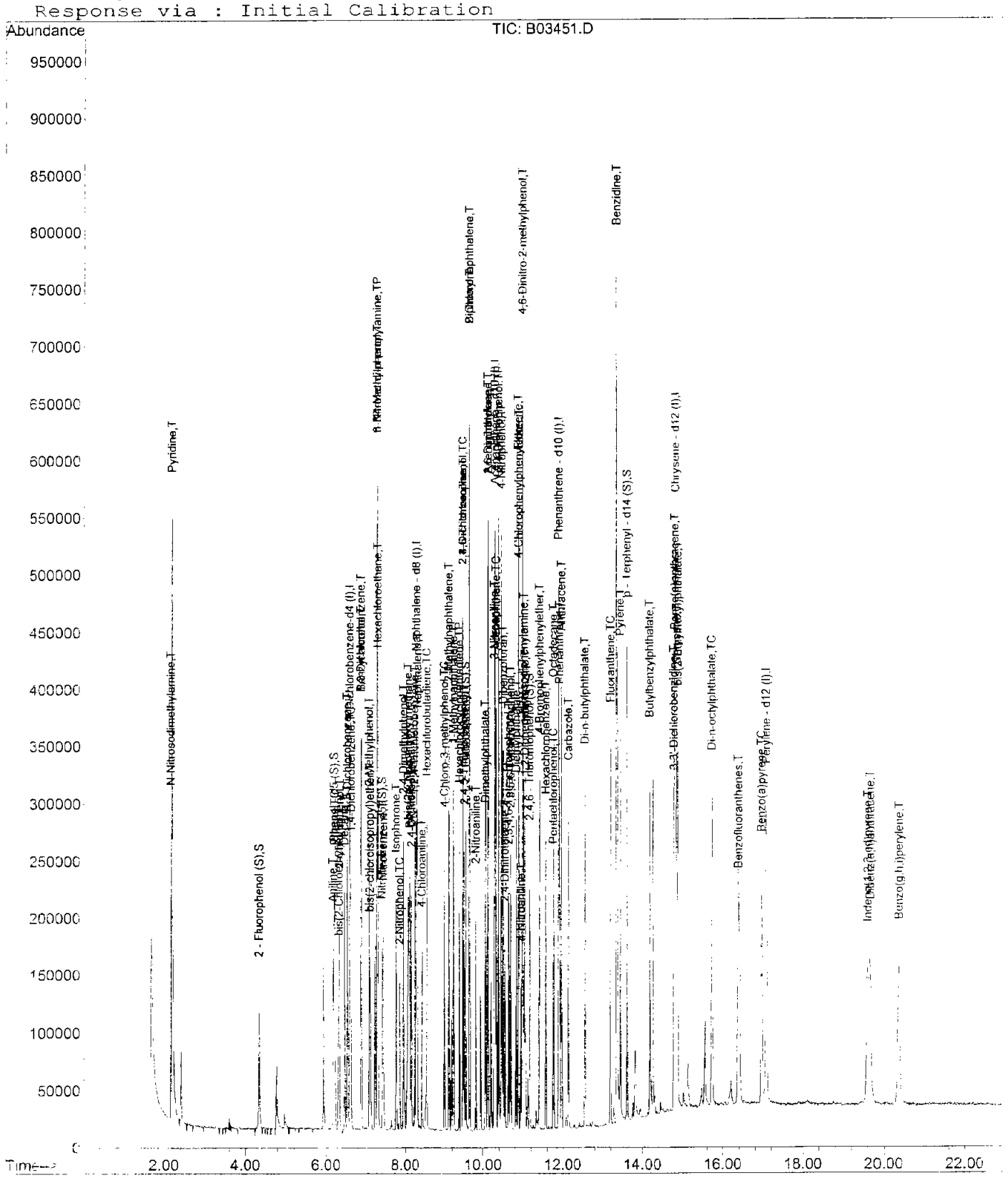
Quantitation Report (RTE Integrator)

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: 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



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)	11.88	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	6.86	79	98961	1431.72	ug/L		86
14) 1,2-Dichlorobenzene	6.88	146	62700	1500.43	ug/L		81
15) 2-Methylphenol	7.07	108	53708	1294.75	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	2445.71	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	1505.29	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	37657	1538.42	ug/L		65
45) Dimethylphthalate	10.06	163	171248	1539.18	ug/L		100

(#) = qualifier out of range (m) = manual integration

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 :

	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	1554.85	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	7431.45	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	1508.22	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		85
71)	Carbazole	12.13	167	174190	1368.19	ug/L		100
72)	Di-n-butylphthalate	12.56	149	225329	1504.93	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	1359.72	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		83
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	1486.18	ug/L		99
89)	Benzo(g,h,i)perylene	20.35	276	280770	1442.22	ug/L		94

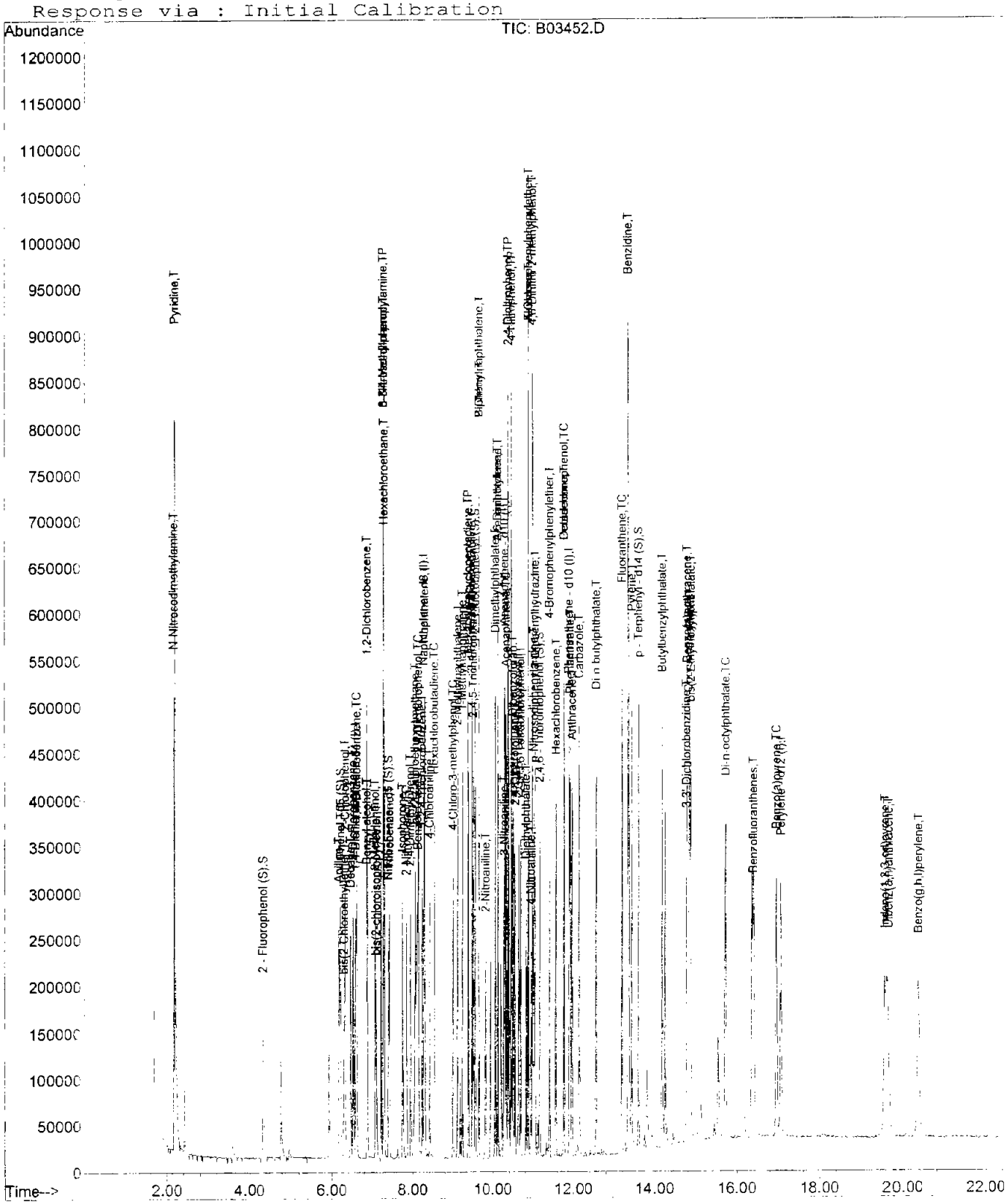
(#) = qualifier out of range (m) = manual integration (+) = signals summed

31424
60900

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



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 :

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	ul/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	1927.95	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-	8488.93	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	3742.80	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	1855.83	ug/L	100
24) 2-Nitrophenol	7.85	139	53432	2483.24	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	2032.34	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	1776.64	ul/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	2159.18	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

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		97
48)	3-Nitroaniline	10.27	138	45172	2226.48 ug/L	#	73
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 ul/l		91
56)	Diethylphthalate	10.82	149	141179	1632.59 ug/L		56
57)	Fluorene	10.87	166	259378	2212.81 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		80
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		91
69)	Anthracene	11.95	178	297018	2101.46 ug/L		89
70)	Octadecane	11.76	57	100803	2124.82 ug/L		85
71)	Carbazole	12.13	167	234737	1868.68 ug/L		98
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	1953.68 ug/L		97
75)	Benzidine	13.35	184	1079885	11967.11 ug/L		100
78)	Butylbenzylphthalate	14.16	149	151521	1784.46 ug/L		96
79)	Benzo(a)anthracene	14.77	228	389986	2010.20 ug/L		96
80)	3,3'-Dichlorobenzidine	14.75	252	159279	2152.50 ug/L		96
81)	Chrysene	14.83	228	360178	2077.84 ug/L		95
82)	bis(2-Ethylhexyl)phthalate	14.85	149	239120	1719.56 ug/L		97
84)	Di-n-octylphthalate	15.70	149	453421	1879.43 ug/L		100
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

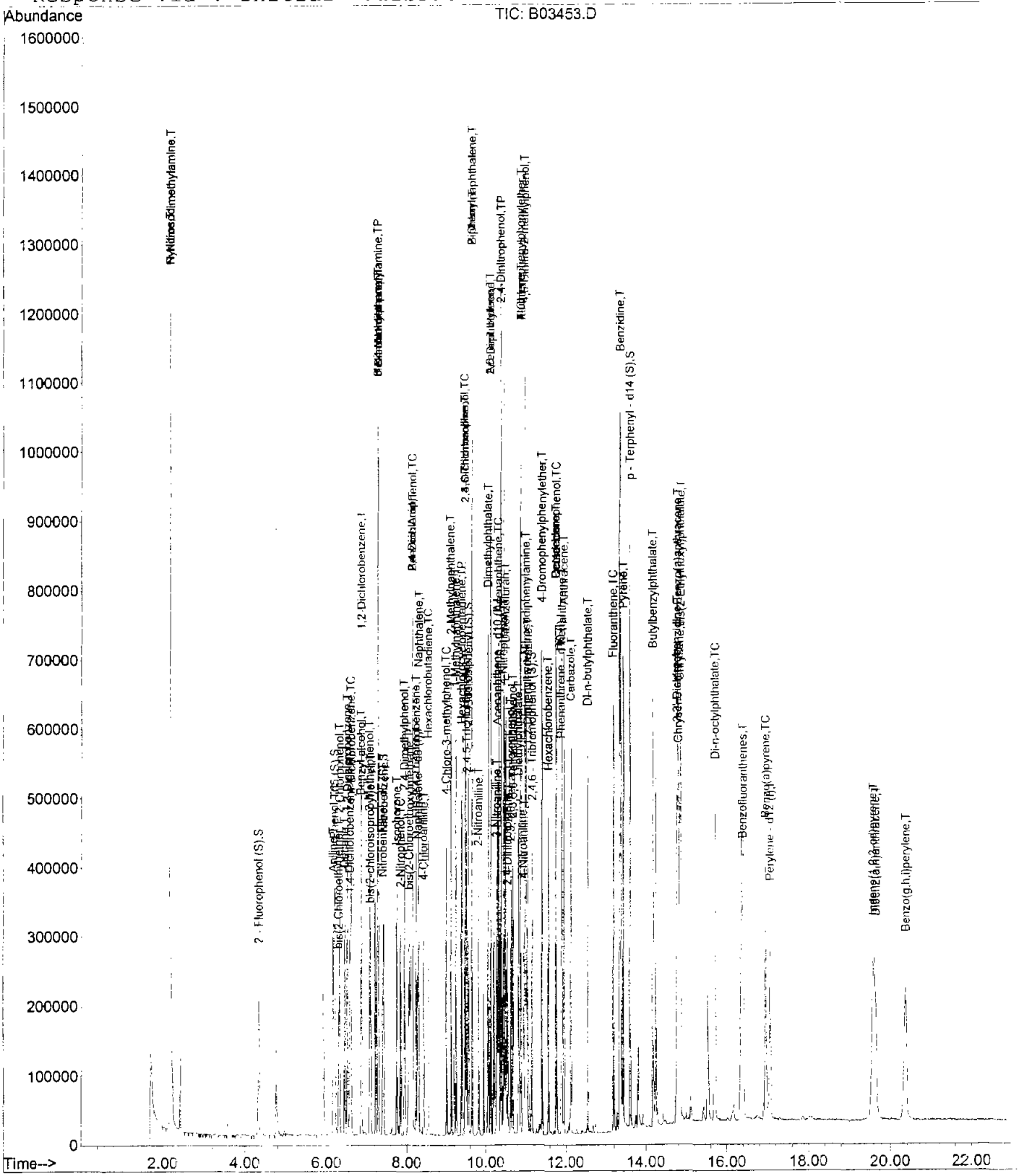
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : U:\DATA\111504\B03453.D
Acq On : 15 Nov 2004 18:59
Sample : 2000 UG/L 8270 ICAL STD NC 1281-1-8
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:25 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



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	181864	1000.00	ug/L	-0.01
77) Chrysene - d12 (I)	14.81	240	271942+	1000.00	ul/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	159026	2602.75	ug/L	65
14) 1,2-Dichlorobenzene	6.88	146	91215	2370.69	ug/L	79
15) 2-Methylphenol	7.06	108	89244	2439.06	ug/L	96
16) bis(2-chloroisopropyl)ethe	7.10	45	133415	2359.34	ug/L	36
17) 3-&4-Methylphenol	7.29	108	211344	5227.59	ug/L	92
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	ul/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 #	73
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
B03454.D 111604.M Wed Nov 17 09:28:36 2004 Page 1

00614

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 ul/l	95
56)	Diethylphthalate	10.83	149	160183	1772.46 ug/L	26
57)	Fluorene	10.88	166	352955	2912.30 ug/L	65
58)	4-Chlorophenylphenylether	10.88	204	152345	2297.29 ug/L	92
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	80
62)	n-Nitrosodiphenylamine	11.02	169	226928	2714.32 ug/L	71
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	85
86)	Benzo(a)pyrene	16.95	252	446178	2621.03 ug/L	100
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

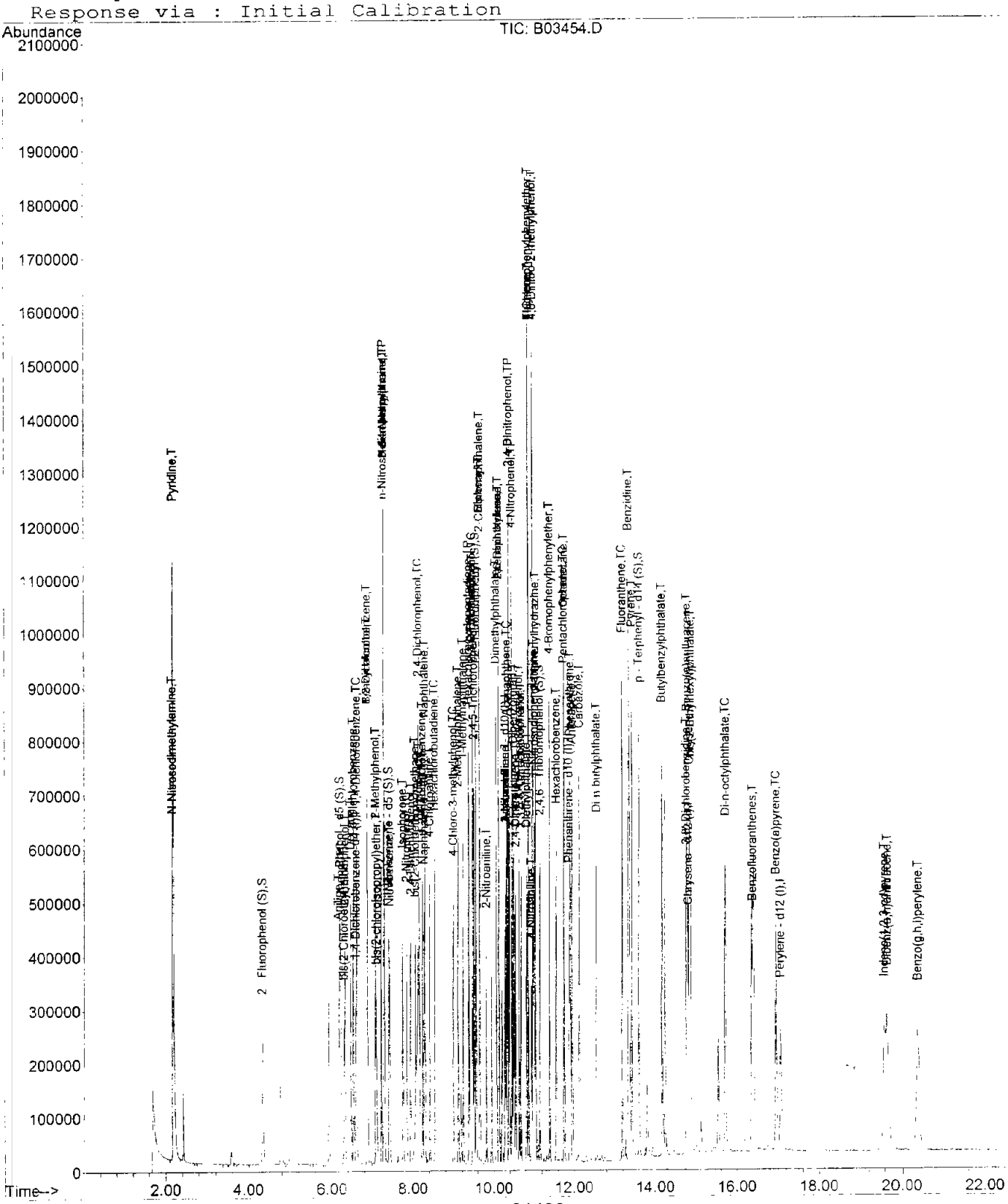
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : U:\DATA\111504\B03454.D
Acq On : 15 Nov 2004 19:28
Sample : 2500 UG/L 8270 ICAL STD NO 1281-1-9
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 17 9:25 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



91906

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+	4677.39	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	1081.66	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	958.12	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		73
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	985.75	ug/L		83
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	987.72	ug/L		98
29) 1,2,4-Trichlorobenzene	8.23	180	35147	950.28	ug/L		100
30) Naphthalene	8.30	128	137458	963.92	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		99
33) 4-Chloro-3-methylphenol	8.99	107	68617+	955.67	ug/L		97
34) 2-Methylnaphthalene	9.11	141	64980	980.74	ug/L		90
35) 1-Methylnaphthalene	9.23	141	68220	1013.41	ul/l		86
37) Hexachlorocyclopentadiene	9.38	237	45694	870.35	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		76
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

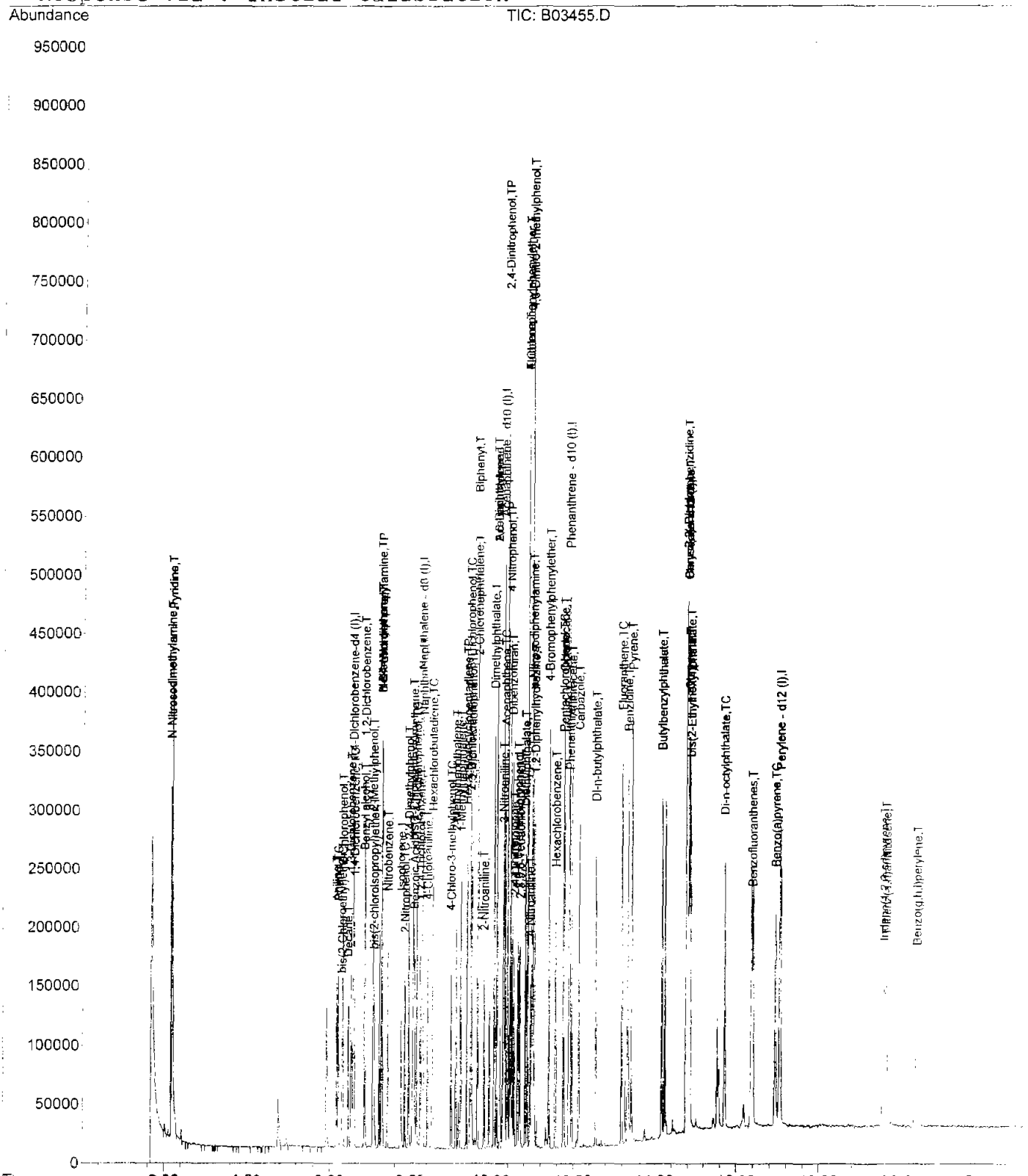
Data File : U:\DATA\111504\B03455.D Vial: 0
Acq On : 15 Nov 2004 19:56 Operator: CLZ
Sample : 1000 UG/L 8270 OCS STD NO 1281-1-10 Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 17 09:28:45 2004 Quant Results File: 111604.RES

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	ul/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-Bromophenylphenylether	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	85437	1074.16	ug/L		89
77)	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

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



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	0.908#	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

006020

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	-0.01
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	98	-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

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	98	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	0.02
46	T	Acenaphthylene	1000.000	948.097	5.2	87	0.02
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	0.00
49	TC	Acenaphthene	1000.000	1111.687	-11.2	102	0.02
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

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)
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

CONTINUING CALIBRATION

00624

Sequence Log

Directory : u:\DATA\112304

#	Filename	Sample Name	Date/Time
1	b03520.d	DFTPP 11/23/04	11/23/04 09:09
2	b03521.d	1000 UG/L 8270 CCAL STD NO 1281-1-6	11/23/04 09:25
3	b03522.d	SW1034 MB #1000 &1.0 WATER	11/23/04 10:02
4	b03523.d	SW1034 BS #1000 &1.0 WATER	11/23/04 10:30
5	b03524.d	SW1034 BSD #1000 &1.0 WATER	11/23/04 10:58
6	b03525.d	124993-11 MS SW1034 &1.0 WATER	11/23/04 11:26
7	b03526.d	124993-11 MSD SW1034 &1.0 WATER	11/23/04 11:54
8	b03527.d	124993-11A MS SW1034 &1.0 WATER	11/23/04 12:22
9	b03528.d	124993-11A MSD SW1034 &1.0 WATER	11/23/04 12:50
10	b03529.d	124945-1 SW1034 &1.0 WATER	11/23/04 13:18
11	b03530.d	124945-1A SW1034 &1.0 WATER	11/23/04 13:46

00625

Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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: Nov 24 12:08:11 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 24 12:08:04 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.61	152	48118	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.30	136	196020	1000.00	ug/L		0.00
36) Acenaphthene - d10 (I)	10.30	162	119372	1000.00	ug/L		0.00
60) Phenanthrene - d10 (I)	11.89	188	179803	1000.00	ug/L		0.00
77) Chrysene - d12 (I)	14.82	240	271128+	1000.00	ul/l		0.00
83) Perylene - d12 (I)	17.08	264	306789+	1000.00	ug/L		0.00
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.39	112	43511	856.00	ug/L		0.04
6) Phenol - d5 (S)	6.23	99	54523	908.99	ug/L		0.01
21) Nitrobenzene - d5 (S)	7.43	82	52681	976.29	ug/L		-0.02
41) 2 - Fluorobiphenyl (S)	9.57	172	92674	1008.28	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	11.16	330	32628	951.62	ug/L		0.00
76) p - Terphenyl - d14 (S)	13.61	244	149615	974.93	ug/L		0.00
Target Compounds							Qvalue
2) N-Nitrosodimethylamine	2.17	42	59856	3807.98	ug/L		59
3) Pyridine	2.19	79	308204+	4108.92	ug/L		95
5) Aniline	6.19	93	64208	1014.41	ug/L		100
7) Phenol	6.25	94	56611	892.92	ug/L		100
8) bis(2-Chloroethyl)ether	6.32	63	65815	981.04	ug/L		96
9) 2-Chlorophenol	6.35	128	53752	896.10	ug/L		93
10) Decane	6.48	57	33382	1148.49	ug/L		89
11) 1,3-Dichlorobenzene	6.55	146	49436	935.47	ug/L		90
12) 1,4-Dichlorobenzene	6.63	146	52615	922.61	ug/L		84
13) Benzyl alcohol	6.88	79	66195	913.11	ug/L		96
14) 1,2-Dichlorobenzene	6.90	146	44329	957.71	ug/L		77
15) 2-Methylphenol	7.10	108	35301	858.68	ug/L		88
16) bis(2-chloroisopropyl)ethe	7.11	45	64058	959.92	ug/L		41
17) 3-&4-Methylphenol	7.31	108	87140	1920.24	ug/L	#	77
18) n-Nitroso-di-n-propylamine	7.30	70	39760	1032.94	ug/L		93
19) Hexachloroethane	7.32	117	26782	844.55	ug/L		89
22) Nitrobenzene	7.45	77	48337	1045.00	ug/L		73
23) Isophorone	7.76	82	75476	1024.59	ug/L		100
24) 2-Nitrophenol	7.87	139	21180	974.94	ug/L		100
25) 2,4-Dimethylphenol	7.96	107	39255	826.43	ug/L		94
26) bis(2-Chloroethoxy)methane	8.07	93	33602	1078.68	ug/L	#	20
27) Benzoic Acid	8.12	105	117988	4540.13	ug/L		100
28) 2,4-Dichlorophenol	8.16	162	41102	932.41	ug/L		97
29) 1,2,4-Trichlorobenzene	8.25	180	40302	1030.72	ug/L		100
30) Naphthalene	8.32	128	153202	1008.96	ug/L		94
31) 4-Chloroaniline	8.43	127	54284	1130.03	ug/L		100
32) Hexachlorobutadiene	8.56	225	24004	839.06	ug/L		94
33) 4-Chloro-3-methylphenol	9.02	107	75262+	976.43	ug/L		100
34) 2-Methylnaphthalene	9.13	141	73171	1048.14	ug/L		46
35) 1-Methylnaphthalene	9.25	141	69250	962.44	ul/l		47
37) Hexachlorocyclopentadiene	9.39	237	51007	912.51	ug/L		94
38) 2,3-Dichloroaniline	9.49	161	57131	1034.36	ug/L		93
39) 2,4,6-Trichlorophenol	9.49	196	19988	864.98	ug/L	#	72
40) 2,4,5-Trichlorophenol	9.53	196	31322	1045.75	ug/L		94
42) 2-Chloronaphthalene	9.67	162	68898	1018.70	ug/L		72
43) Biphenyl	9.67	154	118154	974.34	ug/L		94
44) 2-Nitroaniline	9.83	138	24530	1043.72	ug/L		63
45) Dimethylphthalate	10.06	163	116426	1044.42	ug/L		100

(#) = qualifier out of range (m) = manual integration

31458
000626

Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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: Nov 24 12:08:11 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Wed Nov 24 12:08:04 2004
Response via : Initial Calibration
DataAcq Meth :

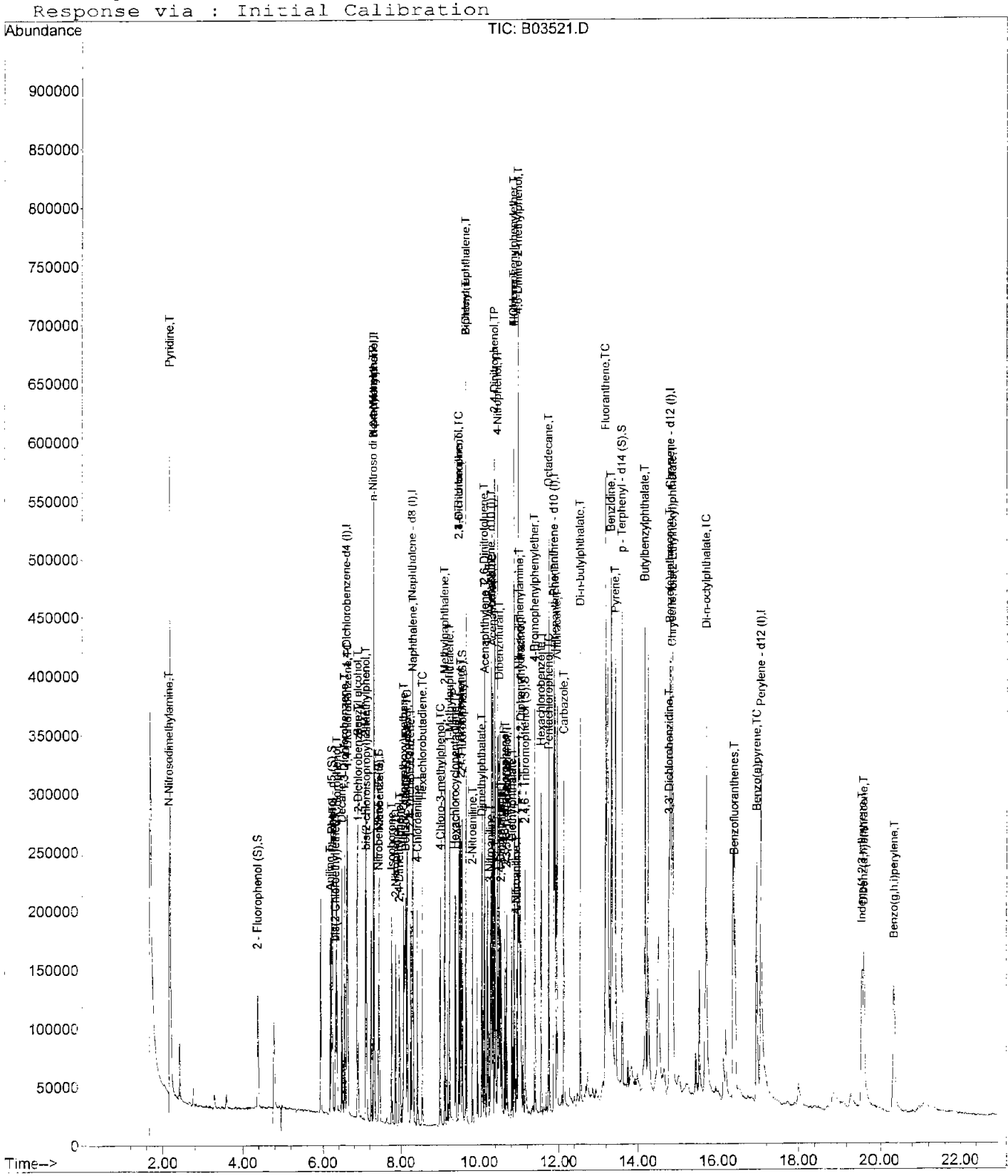
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Acenaphthylene	10.14	152	140103	950.31	ug/L		97
47)	2,6-Dinitrotoluene	10.13	165	18785	1030.14	ug/L		92
48)	3-Nitroaniline	10.28	138	18690	997.16	ug/L	#	36
49)	Acenaphthene	10.34	153	91146	927.52	ug/L		100
50)	2,4-Dinitrophenol	10.39	184	105580+	5156.01	ug/L		86
51)	4-Nitrophenol	10.47	109	59980	5176.52	ug/L		73
52)	Dibenzofuran	10.51	168	102365	1007.66	ug/L		82
53)	2,4-Dinitrotoluene	10.55	165	29378	1048.11	ug/L		80
54)	2,3,4,6-Tetrachlorophenol	10.65	232	27336	931.25	ug/L		98
55)	2,3,5,6-Tetrachlorophenol	10.69	232	28997	975.10	ul/l		95
56)	Diethylphthalate	10.83	149	86683	1088.71	ug/L		84
57)	Fluorene	10.88	166	112896	1061.69	ug/L		76
58)	4-Chlorophenylphenylether	10.88	204	57994	982.99	ug/L		100
59)	4-Nitroaniline	10.94	138	17285	1068.33	ug/L		79
61)	4,6-Dinitro-2-methylphenol	10.99	198	133003	5058.33	ug/L		94
62)	n-Nitroscdiphenylamine	11.02	169	83087	1032.85	ug/L		75
64)	1,2-Diphenylhydrazine	11.05	182	28690	992.45	ug/L		75
65)	4-Bromophenylphenylether	11.40	248	53081	1070.96	ug/L		90
66)	Hexachlorobenzene	11.56	284	42005	1014.11	ug/L		98
67)	Pentachlorophenol	11.75	266	24790	851.11	ug/L		100
68)	Phenanthrene	11.91	178	135370	1024.27	ug/L		99
69)	Anthracene	11.96	178	138570	983.23	ug/L		95
70)	Octadecane	11.76	57	49733	1046.48	ug/L		85
71)	Carbazole	12.13	167	127460	1039.58	ug/L		100
72)	Di-n-butylphthalate	12.55	149	168586	1126.34	ug/L		96
73)	Fluoranthene	13.19	202	181310	1030.98	ug/L		86
74)	Pyrene	13.44	202	172980	967.11	ug/L		80
75)	Benzidine	13.33	184	309162	3389.65	ug/L		100
78)	Butylbenzylphthalate	14.18	149	96937	1221.42	ug/L		86
79)	Benzo(a)anthracene	14.80	228	182435	1032.04	ug/L		80
80)	3,3'-Dichlorobenzidine	14.78	252	77840	1162.08	ug/L		97
81)	Chrysene	14.86	228	165333	1036.27	ug/L		80
82)	bis(2-Ethylhexyl)phthalate	14.87	149	132980	1037.51	ug/L		97
84)	Di-n-octylphthalate	15.72	149	245977	1046.02	ug/L		100
85)	Benzofluoranthenes	16.41	252	370425	1944.69	ug/L		100
86)	Benzo(a)pyrene	16.97	252	177524	989.93	ug/L		100
87)	Indeno(1,2,3-cd)pyrene	19.59	276	144058	719.74	ug/L		62
88)	Dibenz(a,h)anthracene	19.65	278	189267	1004.64	ug/L		88
89)	Benzo(g,h,i)perylene	20.34	276	186061	1014.42	ug/L		97

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

Data File : U:\DATA\112304\B03521.D
Acq On : 23 Nov 2004 9:25
Sample : 1000 UG/L 8270 CCAL STD NC 1281-1-6
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 12:08 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 24 12:08:04 2004
Response via : Initial Calibration



Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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 : Wed Nov 24 12:08:04 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	109	0.00
2	T	N-Nitrosodimethylamine	0.327	0.249#	23.9#	93	-0.03
3	T	Pyridine	1.559	1.281#	17.8	83	-0.02
4	S	2 - Fluorophenol (S)	1.056	0.904#	14.4	91	0.04
5	T	Aniline	1.315	1.334#	-1.4	105	-0.01
6	S	Phenol - d5 (S)	1.247	1.133#	9.1	91	0.01
7	TC	Phenol	1.318	1.177#	10.7	85	0.01
8	T	bis(2-Chloroethyl)ether	1.394	1.368#	1.9	106	0.00
9	T	2-Chlorophenol	1.247	1.117#	10.4	97	0.00
10	T	Decane	0.604	0.694#	-14.9	96	0.00
11	T	1,3-Dichlorobenzene	1.098	1.027#	6.5	101	0.00
12	TC	1,4-Dichlorobenzene	1.185	1.093#	7.8	95	-0.01
13	T	Benzyl alcohol	1.507	1.376#	8.7	100	0.00
14	T	1,2-Dichlorobenzene	0.962	0.921#	4.3	95	-0.04
15	T	2-Methylphenol	0.854	0.734#	14.1	88	-0.05
16	T	bis(2-chloroisopropyl)ether	1.387	1.331#	4.0	101	0.00
17	T	3-&4-Methylphenol	0.943	0.905#	4.0	102	0.00
18	TP	n-Nitroso-di-n-propylamine	0.800	0.826	-3.2	107	-0.02
19	T	Hexachloroethane	0.659	0.557#	15.5	95	-0.04
20	I	Naphthalene - d8 (I)	1.000	1.000	0.0	93	0.00
21	S	Nitrobenzene - d5 (S)	0.275	0.269#	2.2	98	-0.02
22	T	Nitrobenzene	0.236	0.247#	-4.7	100	0.00
23	T	Isophorone	0.376	0.385#	-2.4	103	0.00
24	TC	2-Nitrophenol	0.111	0.108#	2.7	96	0.03
25	T	2,4-Dimethylphenol	0.242	0.200#	17.4	81	-0.02
26	T	bis(2-Chloroethoxy)methane	0.159	0.171#	-7.5	107	-0.01
27	T	Benzoic Acid	0.133	0.120#	9.8	85	-0.09
28	TC	2,4-Dichlorophenol	0.225	0.210#	6.7	98	0.00
29	T	1,2,4-Trichlorobenzene	0.199	0.206#	-3.5	94	0.00
30	T	Naphthalene	0.775	0.782#	-0.9	96	0.00
31	T	4-Chloroaniline	0.245	0.277#	-13.1	100	0.00
32	TC	Hexachlorobutadiene	0.146	0.122#	16.4	80	0.00
33	TC	4-Chloro-3-methylphenol	0.393	0.384#	2.3	97	-0.05
34	T	2-Methylnaphthalene	0.356	0.373#	-4.8	101	0.00
35	T	1-Methylnaphthalene	0.367	0.353#	3.8	103	-0.02
36	I	Acenaphthene - d10 (I)	1.000	1.000	0.0	90	0.00
37	TP	Hexachlorocyclopentadiene	0.468	0.427	8.8	92	0.00
38	T	2,3-Dichloroaniline	0.463	0.479#	-3.5	94	0.00
39	TC	2,4,6-Trichlorophenol	0.194	0.167#	13.9	83	0.00
40	T	2,4,5-Trichlorophenol	0.251	0.262#	-4.4	104	0.00
41	S	2 - Fluorobiphenyl (S)	0.770	0.776#	-0.8	96	0.00
42	T	2-Chloronaphthalene	0.567	0.577#	-1.8	95	-0.02
43	T	Biphenyl	1.016	0.990#	2.6	98	0.00
44	T	2-Nitroaniline	0.197	0.205#	-4.1	102	0.00
45	T	Dimethylphthalate	0.934	0.975#	-4.4	101	0.00
46	T	Acenaphthylene	1.235	1.174#	4.9	92	0.02
47	T	2,6-Dinitrotoluene	0.153	0.157#	-2.6	109	0.00
48	T	3-Nitroaniline	0.157	0.157#	0.0	94	0.00
49	TC	Acenaphthene	0.823	0.764#	7.2	90	0.02
50	TP	2,4-Dinitrophenol	0.172	0.177	-2.9	105	0.00
51	TP	4-Nitrophenol	0.097	0.100	-3.1	116	0.00

(#) = Out of Range

006629

Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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 : Wed Nov 24 12:08:04 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	0.858#	-0.8	95	0.00
53	T	2,4-Dinitrotoluene	0.235	0.246#	-4.7	101	0.00
54	T	2,3,4,6-Tetrachlorophenol	0.246	0.229#	6.9	90	0.01
55	T	2,3,5,6-Tetrachlorophenol	0.249	0.243#	2.4	84	0.00
56	T	Diethylphthalate	0.667	0.726#	-8.8	106	0.01
57	T	Fluorene	0.891	0.946#	-6.2	108	-0.02
58	T	4-Chlorophenylphenylether	0.494	0.486#	1.6	97	-0.02
59	T	4-Nitroaniline	0.136	0.145#	-6.6	95	-0.01
60	I	Phenanthrene - d10 (I)	1.000	1.000	0.0	98	0.00
61	T	4,6-Dinitro-2-methylphenol	0.146	0.148#	-1.4	98	0.00
62	T	n-Nitrosodiphenylamine	0.447	0.462#	-3.4	106	0.00
63	S	2,4,6 - Tribromophenol (S)	0.191	0.181#	5.2	97	0.00
64	T	1,2-Diphenylhydrazine	0.161	0.160#	0.6	95	-0.01
65	T	4-Bromophenylphenylether	0.276	0.295#	-6.9	112	-0.01
66	T	Hexachlorobenzene	0.230	0.234#	-1.7	103	-0.02
67	TC	Pentachlorophenol	0.162	0.138#	14.8	87	-0.02
68	T	Phenanthrene	0.735	0.753#	-2.4	104	-0.01
69	T	Anthracene	0.784	0.771#	1.7	95	0.00
70	T	Octadecane	0.264	0.277#	-4.9	94	0.04
71	T	Carbazole	0.682	0.709#	-4.0	106	-0.04
72	T	Di-n-butylphthalate	0.832	0.938#	-12.7	115	0.02
73	TC	Fluoranthene	0.978	1.008#	-3.1	105	-0.05
74	T	Pyrene	0.995	0.962#	3.3	99	-0.05
75	T	Benzidine	0.507	0.344#	32.1#	64	0.00
76	S	p - Terphenyl - d14 (S)	0.853	0.832#	2.5	101	0.00
77	I	Chrysene - d12 (I)	1.000	1.000	0.0	89	0.00
78	T	Butylbenzylphthalate	0.293	0.358#	-22.2#	119	0.02
79	T	Benzo(a)anthracene	0.652	0.673#	-3.2	96	0.00
80	T	3,3'-Dichlorobenzidine	0.247	0.287#	-16.2	102	0.00
81	T	Chrysene	0.588	0.610#	-3.7	94	0.00
82	T	bis(2-Ethylhexyl)phthalate	0.473	0.490#	-3.6	89	0.01
83	I	Perylene - d12 (I)	1.000	1.000	0.0	94	0.00
84	TC	Di-n-octylphthalate	0.767	0.802#	-4.6	102	0.00
85	T	Benzofluoranthenes	0.621	0.604#	2.7	96	0.00
86	TC	Benzo(a)pyrene	0.585	0.579#	1.0	96	0.00
87	T	Indeno(1,2,3-cd)pyrene	0.652	0.470#	27.9#	72	-0.11
88	T	Dibenz(a,h)anthracene	0.614	0.617#	-0.5	94	0.12
89	T	Benzo(g,h,i)perylene	0.598	0.606#	-1.3	94	0.00

Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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 : Wed Nov 24 12:08:04 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	109	0.00
2	T	N-Nitrosodimethylamine	5000.000	3807.977	23.8#	93	-0.03
3	T	Pyridine	5000.000	4108.916	17.8	83	-0.02
4	S	2 - Fluorophenol (S)	1000.000	856.005	14.4	91	0.04
5	T	Aniline	1000.000	1014.406	-1.4	105	-0.01
6	S	Phenol - d5 (S)	1000.000	908.993	9.1	91	0.01
7	TC	Phenol	1000.000	892.921	10.7	85	0.01
8	T	bis(2-Chloroethyl)ether	1000.000	981.041	1.9	106	0.00
9	T	2-Chlorophenol	1000.000	896.104	10.4	97	0.00
10	T	Decane	1000.000	1148.493	-14.8	96	0.00
11	T	1,3-Dichlorobenzene	1000.000	935.469	6.5	101	0.00
12	TC	1,4-Dichlorobenzene	1000.000	922.606	7.7	95	-0.01
13	T	Benzyl alcohol	1000.000	913.108	8.7	100	0.00
14	T	1,2-Dichlorobenzene	1000.000	957.710	4.2	95	-0.04
15	T	2-Methylphenol	1000.000	858.678	14.1	88	-0.05
16	T	bis(2-chloroisopropyl)ether	1000.000	959.921	4.0	101	0.00
17	T	3-&4-Methylphenol	2000.000	1920.236	4.0	102	0.00
18	TP	n-Nitroso-di-n-propylamine	1000.000	1032.945	-3.3	107	-0.02
19	T	Hexachloroethane	1000.000	844.548	15.5	95	-0.04
20	I	Naphthalene - d8 (I)	1000.000	1000.000	0.0	93	0.00
21	S	Nitrobenzene - d5 (S)	1000.000	976.291	2.4	98	-0.02
22	T	Nitrobenzene	1000.000	1045.004	-4.5	100	0.00
23	T	Isophorone	1000.000	1024.592	-2.5	103	0.00
24	TC	2-Nitrophenol	1000.000	974.943	2.5	96	0.03
25	T	2,4-Dimethylphenol	1000.000	826.428	17.4	81	-0.02
26	T	bis(2-Chloroethoxy)methane	1000.000	1078.684	-7.9	107	-0.01
27	T	Benzoic Acid	5000.000	4540.128	9.2	85	-0.09
28	TC	2,4-Dichlorophenol	1000.000	932.413	6.8	98	0.00
29	T	1,2,4-Trichlorobenzene	1000.000	1030.716	-3.1	94	0.00
30	T	Naphthalene	1000.000	1008.960	-0.9	96	0.00
31	T	4-Chloroaniline	1000.000	1130.031	-13.0	100	0.00
32	TC	Hexachlorobutadiene	1000.000	839.061	16.1	80	0.00
33	TC	4-Chloro-3-methylphenol	1000.000	976.429	2.4	97	-0.05
34	T	2-Methylnaphthalene	1000.000	1048.137	-4.8	101	0.00
35	T	1-Methylnaphthalene	1000.000	962.436	3.8	103	-0.02
36	I	Acenaphthene - d10 (I)	1000.000	1000.000	0.0	90	0.00
37	TP	Hexachlorocyclopentadiene	1000.000	912.513	8.7	92	0.00
38	T	2,3-Dichloroaniline	1000.000	1034.364	-3.4	94	0.00
39	TC	2,4,6-Trichlorophenol	1000.000	864.977	13.5	83	0.00
40	T	2,4,5-Trichlorophenol	1000.000	1045.752	-4.6	104	0.00
41	S	2 - Fluorobiphenyl (S)	1000.000	1008.280	-0.8	96	0.00
42	T	2-Chloronaphthalene	1000.000	1018.695	-1.9	95	-0.02
43	T	Biphenyl	1000.000	974.339	2.6	98	0.00
44	T	2-Nitroaniline	1000.000	1043.720	-4.4	102	0.00
45	T	Dimethylphthalate	1000.000	1044.422	-4.4	101	0.00
46	T	Acenaphthylene	1000.000	950.306	5.0	92	0.02
47	T	2,6-Dinitrotoluene	1000.000	1030.135	-3.0	109	0.00
48	T	3-Nitroaniline	1000.000	997.161	0.3	94	0.00
49	TC	Acenaphthene	1000.000	927.516	7.2	90	0.02
50	TP	2,4-Dinitrophenol	5000.000	5156.007	-3.1	105	0.00
51	TP	4-Nitrophenol	5000.000	5176.517	-3.5	116	0.00

(#) = Out of Range

Data File : U:\DATA\112304\B03521.D Vial: 0
Acq On : 23 Nov 2004 9:25 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 : Wed Nov 24 12:08:04 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	1007.659	-0.8	95	0.00
53	T	2,4-Dinitrotoluene	1000.000	1048.114	-4.8	101	0.00
54	T	2,3,4,6-Tetrachlorophenol	1000.000	931.247	6.9	90	0.01
55	T	2,3,5,6-Tetrachlorophenol	1000.000	975.096	2.5	84	0.00
56	T	Diethylphthalate	1000.000	1088.707	-8.9	106	0.01
57	T	Fluorene	1000.000	1061.695	-6.2	108	-0.02
58	T	4-Chlorophenylphenylether	1000.000	982.989	1.7	97	-0.02
59	T	4-Nitroaniline	1000.000	1068.334	-6.8	95	-0.01
60	I	Phenanthrene - d10 (I)	1000.000	1000.000	0.0	98	0.00
61	T	4,6-Dinitro-2-methylphenol	5000.000	5058.335	-1.2	98	0.00
62	T	n-Nitrosodiphenylamine	1000.000	1032.852	-3.3	106	0.00
63	S	2,4,6 - Tribromophenol (S)	1000.000	951.624	4.8	97	0.00
64	T	1,2-Diphenylhydrazine	1000.000	992.446	0.8	95	-0.01
65	T	4-Bromophenylphenylether	1000.000	1070.958	-7.1	112	-0.01
66	T	Hexachlorobenzene	1000.000	1014.114	-1.4	103	-0.02
67	TC	Pentachlorophenol	1000.000	851.110	14.9	87	-0.02
68	T	Phenanthrene	1000.000	1024.274	-2.4	104	-0.01
69	T	Anthracene	1000.000	983.233	1.7	95	0.00
70	T	Octadecane	1000.000	1046.479	-4.6	94	0.04
71	T	Carbazole	1000.000	1039.576	-4.0	106	-0.04
72	T	Di-n-butylphthalate	1000.000	1126.336	-12.6	115	0.02
73	TC	Fluoranthene	1000.000	1030.983	-3.1	105	-0.05
74	T	Pyrene	1000.000	967.112	3.3	99	-0.05
75	T	Benzidine	5000.000	3389.651	32.2#	64	0.00
76	S	p - Terphenyl - d14 (S)	1000.000	974.935	2.5	101	0.00
77	I	Chrysene - d12 (I)	1000.000	1000.000	0.0	89	0.00
78	T	Butylbenzylphthalate	1000.000	1221.420	-22.1#	119	0.02
79	T	Benzo(a)anthracene	1000.000	1032.041	-3.2	96	0.00
80	T	3,3'-Dichlorobenzidine	1000.000	1162.082	-16.2	102	0.00
81	T	Chrysene	1000.000	1036.268	-3.6	94	0.00
82	T	bis(2-Ethylhexyl)phthalate	1000.000	1037.513	-3.8	89	0.01
83	I	Perylene - d12 (I)	1000.000	1000.000	0.0	94	0.00
84	TC	Di-n-octylphthalate	1000.000	1046.015	-4.6	102	0.00
85	T	Benzofluoranthenes	2000.000	1944.688	2.8	96	0.00
86	TC	Benzo(a)pyrene	1000.000	989.932	1.0	96	0.00
87	T	Indeno(1,2,3-cd)pyrene	1000.000	719.743	28.0#	72	-0.11
88	T	Dibenz(a,h)anthracene	1000.000	1004.639	-0.5	94	0.12
89	T	Benzo(g,h,i)perylene	1000.000	1014.416	-1.4	94	0.00

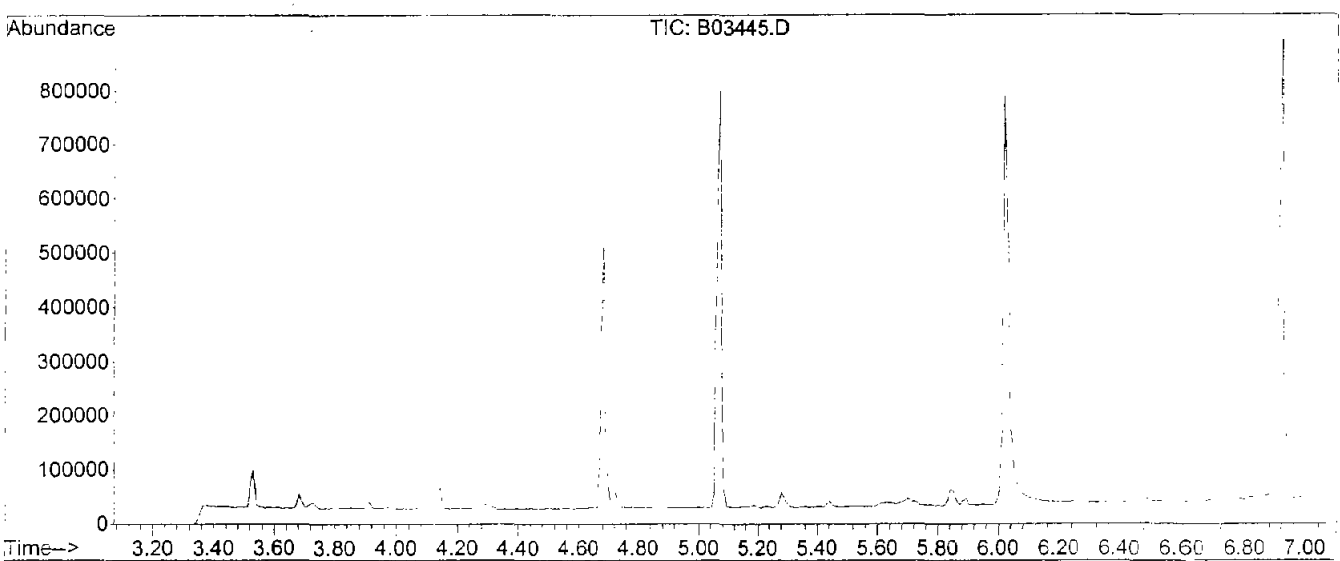
DFTPP TUNING

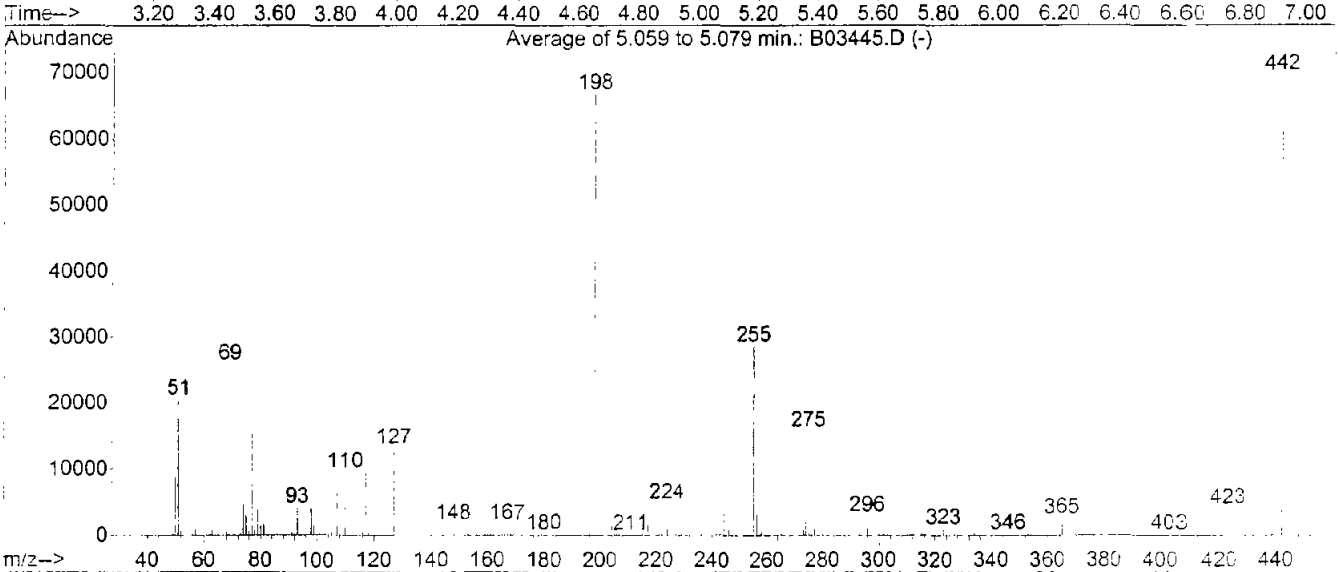
00633

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

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 11/15/04 683	57.00	926	71.00	42	82.00	234	
Modified:subtracted	58.00	19	72.00	72	83.00	150	
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
213.00	22	227.00	2083	254.00	55	275.00	15693
215.00	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

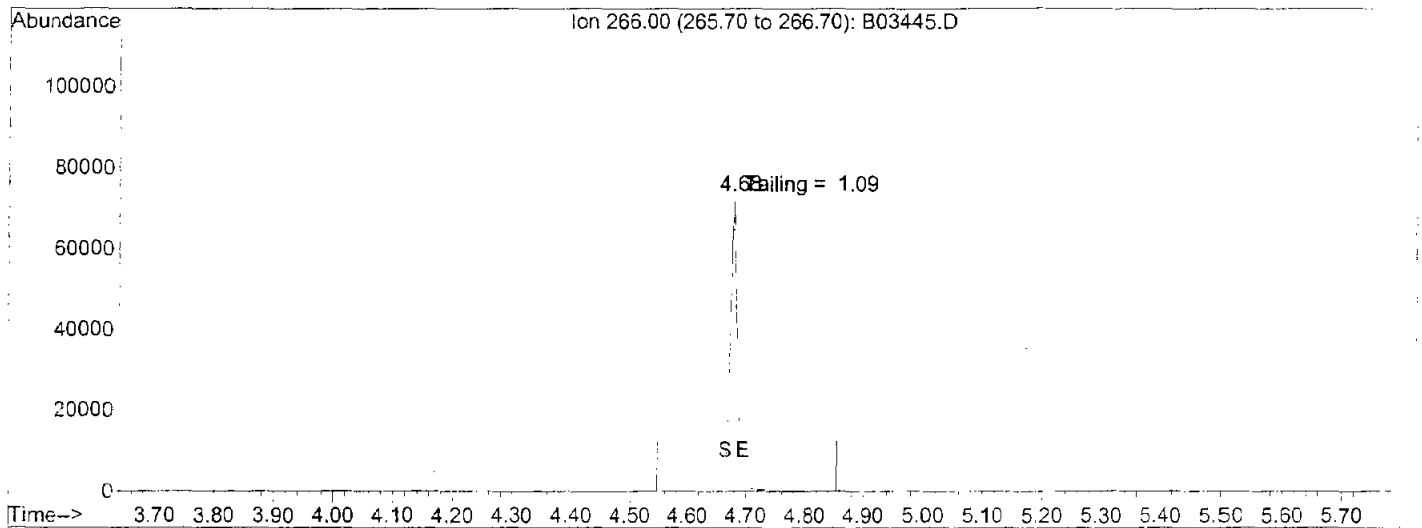
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
293.00	159	323.00	998	346.00	181	392.00	50
295.00	55	324.00	101	349.00	112	403.00	111
296.00	2836	327.00	273	353.00	231	415.00	17
297.00	101	328.00	79	354.00	289	420.00	39
300.00	20	329.00	82	364.00	56	421.00	240
302.00	86	331.00	23	365.00	2482	423.00	4016
303.00	409	333.00	101	366.00	294	424.00	746
312.00	57	334.00	403	371.00	70	425.00	57

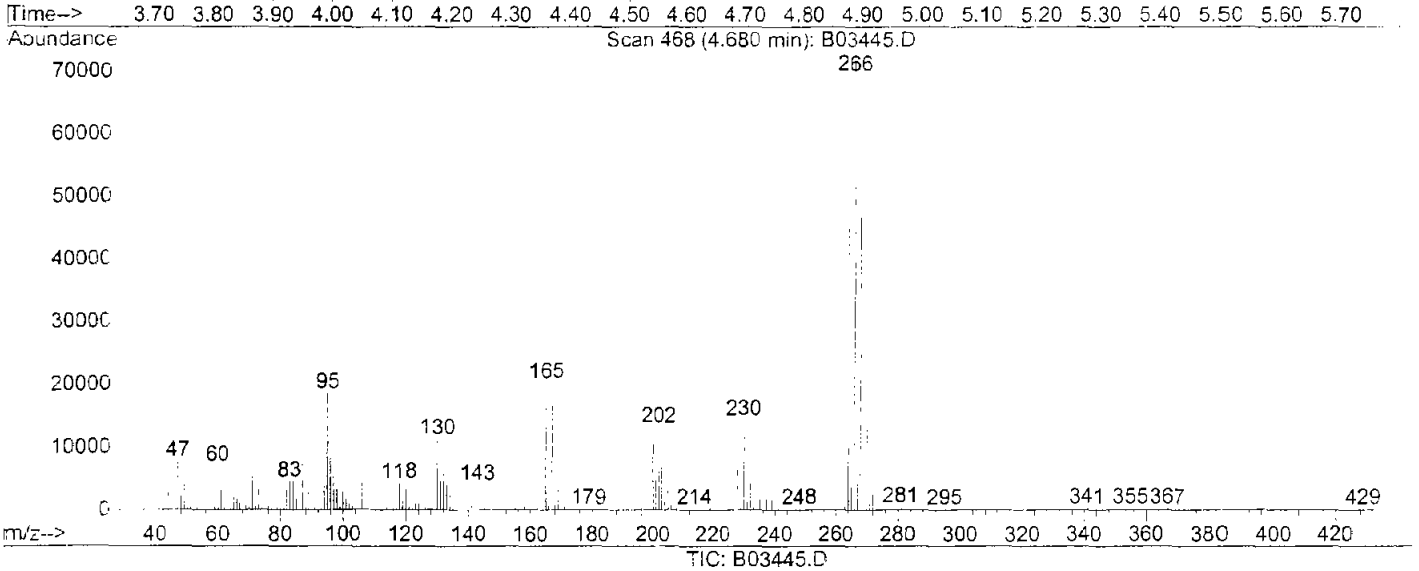
00935

Quantitation Report (QT Reviewed)

Data File : U:\DATA\111504\B03445.D Vial: 0
Acq On : 15 Nov 2004 15:32 Operator: CLZ
Sample : DFTPP 11/15/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 9:35 2004 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





TIC: B03445.D

1. Pentachlorophenol (T)

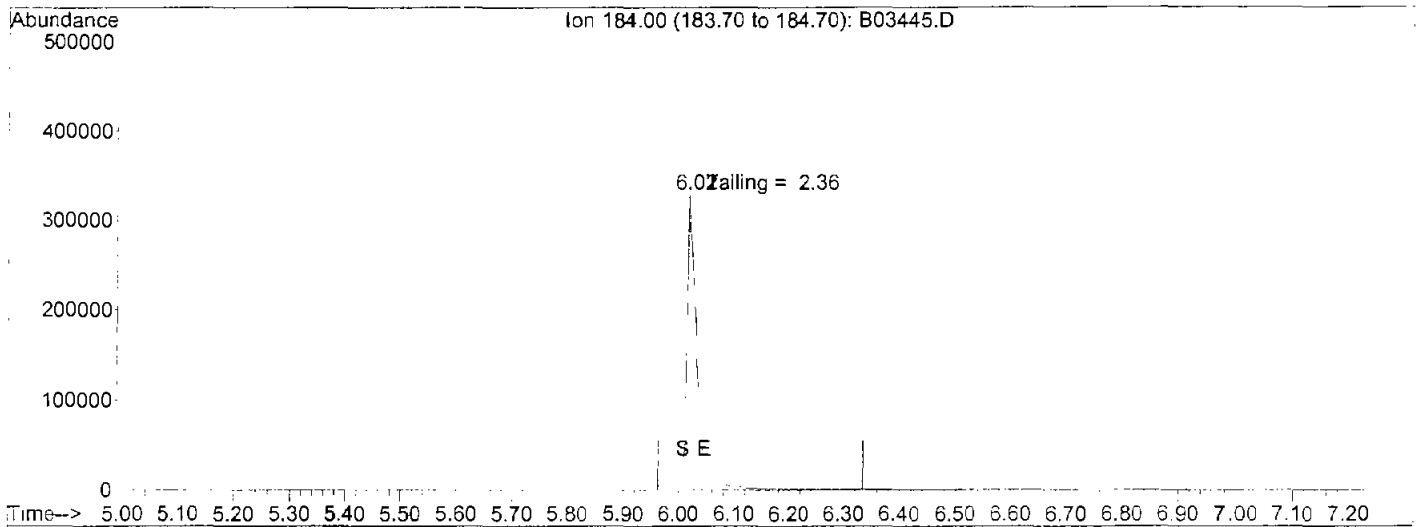
4.68min 0.09

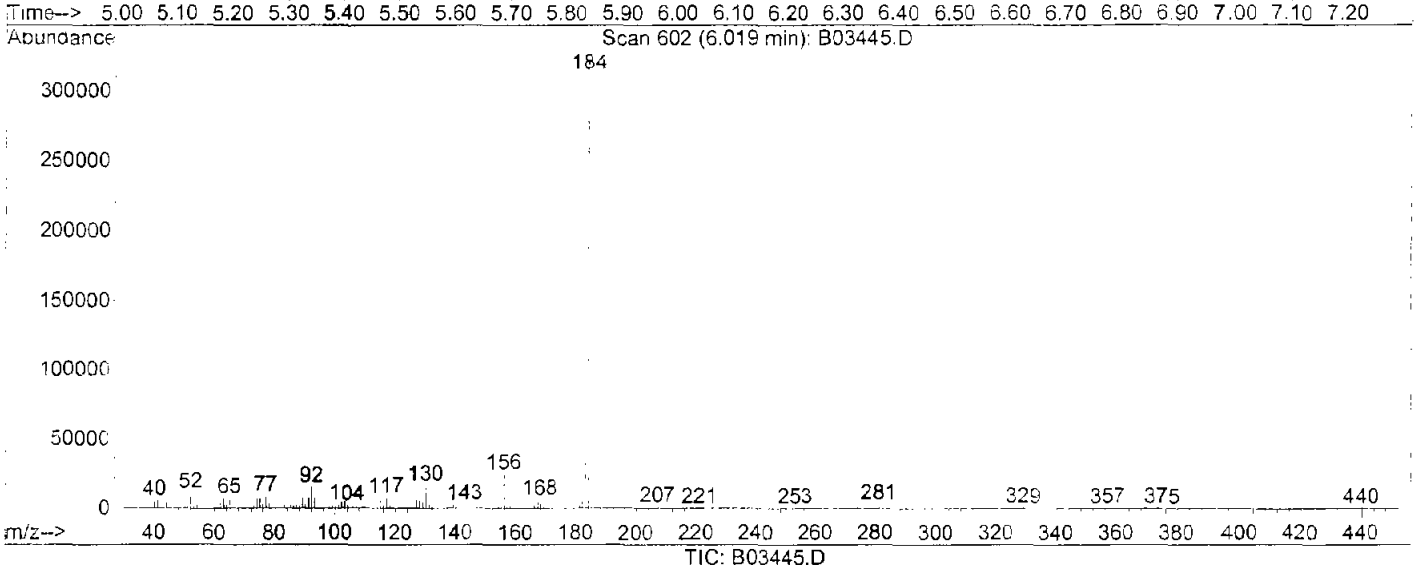
response 73088

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

Data File : U:\DATA\111504\B03445.D Vial: 0
Acq On : 15 Nov 2004 15:32 Operator: CLZ
Sample : DFTPP 11/15/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 9:35 2004 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**

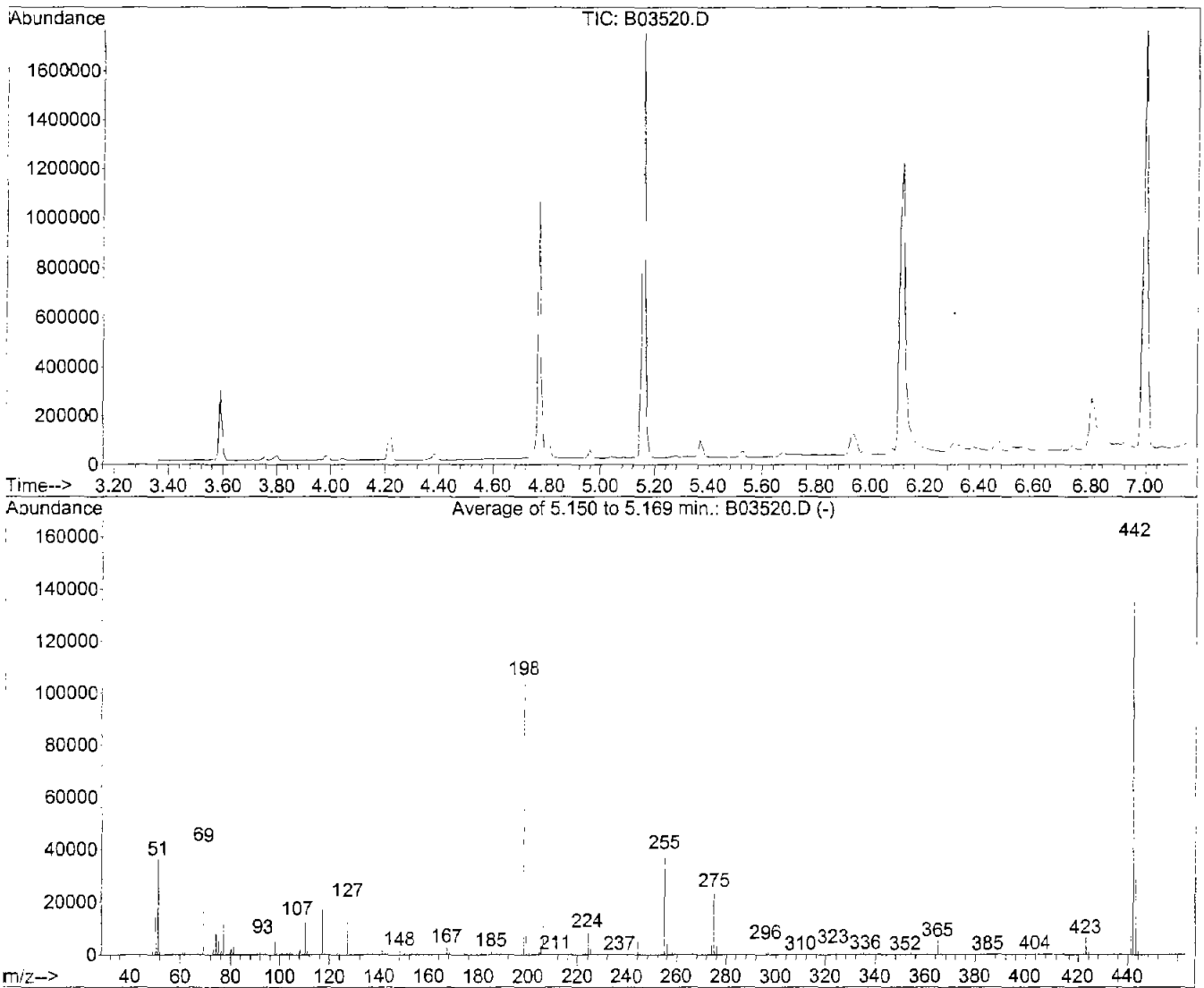
Sample Name **DFTPP 11/15/04**

#	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	

000138

Data File : U:\DATA\112304\B03520.D
Acq On : 23 Nov 2004 9:09
Sample : DFTPP 11/23/04
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 515, 516, 517; Background Corrected with Scan 511

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	22.8	36216	PASS
68	69	0.00	2	0.7	290	PASS
69	198	0.00	100	39.3	41422	PASS
70	69	0.00	2	0.0	0	PASS
127	442	10	80	12.9	20425	PASS
197	198	0.00	1	0.1	113	PASS
198	198	100	100	100.0	105482	PASS
199	198	5	9	6.9	7274	PASS
275	442	10	60	15.1	24039	PASS
365	198	1	100	5.0	5267	PASS
441	443	0.01	100	62.9	18026	PASS
442	442	50	100	100.0	158821	PASS
443	442	15	24	18.1	28672	PASS

325.00	41	353.00	577	402.00	109	442.00	158821
327.00	38	354.00	697	403.00	27	443.00	28672

Average of 5.150 to 5.169 min.: B03520.D

DFTPP 11/23/04	28	61.00	812	74.00	8354	85.00	302
Modified:subtracted		62.00	800	75.00	5258	86.00	1660
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
444.00	1586	64.00	194	77.00	31052	91.00	593
450.00	17	66.00	82	78.00	2407	92.00	1103
51.00	36216	67.00	457	79.00	8314	93.00	6590
52.00	1413	68.00	290	80.00	2259	94.00	578
53.00	11	69.00	41422	81.00	2844	96.00	221
55.00	762	71.00	554	82.00	271	98.00	5070
56.00	817	72.00	59	83.00	167	99.00	2790
57.00	1200	73.00	2160	84.00	16	100.00	444

Average of 5.150 to 5.169 min.: B03520.D

DFTPP 11/23/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
101.00	591	113.00	31	127.00	20425	143.00	505
103.00	574	116.00	430	128.00	2091	146.00	155
104.00	929	117.00	17261	129.00	5600	147.00	98
105.00	647	118.00	537	132.00	226	148.00	1859
106.00	156	119.00	253	134.00	190	150.00	714
107.00	13331	120.00	245	135.00	567	151.00	59
108.00	2058	121.00	38	136.00	39	153.00	472
109.00	58	122.00	334	137.00	509	154.00	230
110.00	12183	123.00	798	139.00	24	155.00	595
111.00	1615	124.00	347	141.00	1730	156.00	632
112.00	151	125.00	129	142.00	366	157.00	100

Average of 5.150 to 5.169 min.: B03520.D

DFTPP 11/23/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.00	38	176.00	101	190.00	53	203.00	273
159.00	256	177.00	374	191.00	11	204.00	1577
160.00	114	179.00	1035	192.00	194	205.00	2952
161.00	335	180.00	181	193.00	94	206.00	16903
165.00	659	181.00	496	195.00	17	207.00	2081
166.00	77	183.00	20	196.00	401	208.00	337
167.00	2888	185.00	1416	197.00	113	209.00	321
168.00	801	186.00	7339	198.00	105482	211.00	399
171.00	53	187.00	1547	199.00	7274	216.00	41
174.00	825	188.00	270	200.00	645	217.00	4423
175.00	1103	189.00	698	202.00	266	218.00	436

Average of 5.150 to 5.169 min.: B03520.D

DFTPP 11/23/04

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
219.00	112	231.00	333	257.00	1507	275.00	24039
221.00	1	236.00	44	258.00	934	276.00	3368
222.00	601	237.00	53	259.00	495	277.00	1105
223.00	998	243.00	237	260.00	35	278.00	77
224.00	8826	244.00	5116	261.00	41	279.00	198
225.00	2515	245.00	1343	265.00	169	290.00	17
226.00	125	246.00	397	266.00	323	293.00	500
227.00	3990	247.00	250	271.00	83	294.00	41
228.00	592	249.00	138	272.00	47	296.00	4306
229.00	371	255.00	38624	273.00	117	297.00	947
230.00	262	256.00	4241	274.00	3673	298.00	222

Average of 5.150 to 5.169 min.: B03520.D

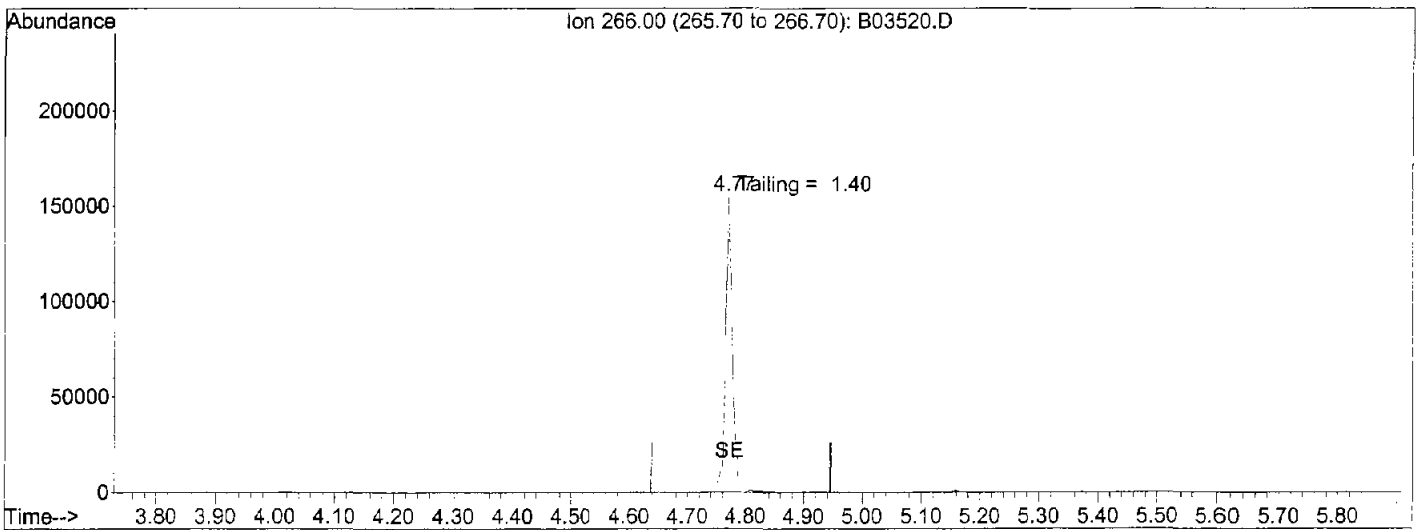
DFTPP 11/23/04

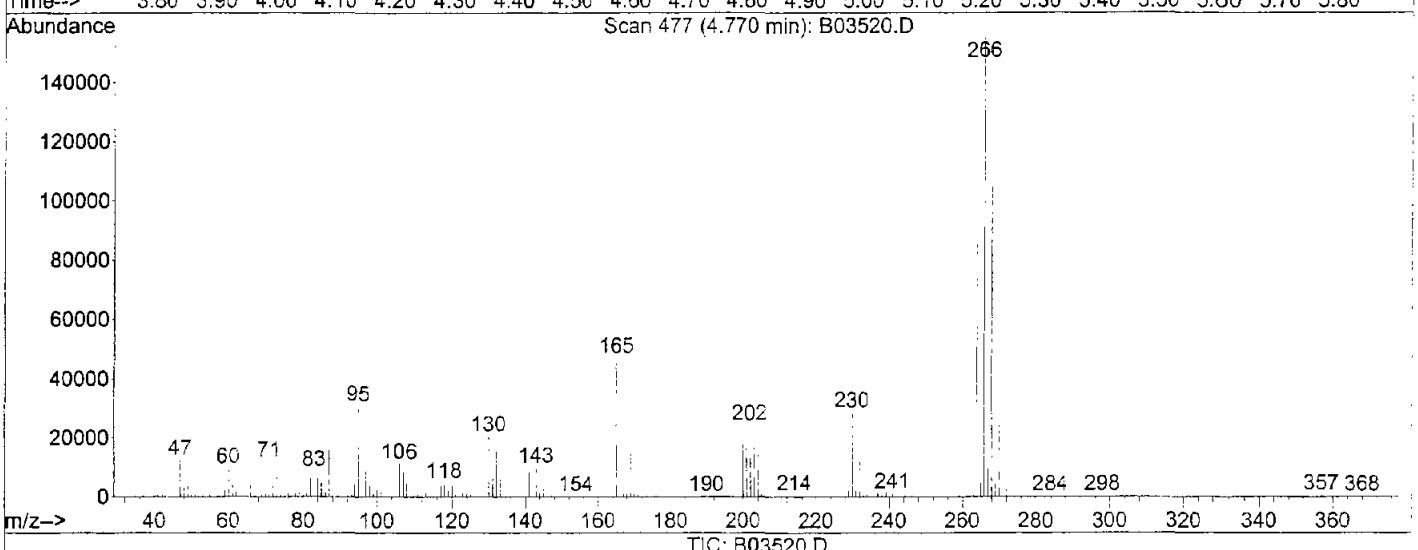
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
303.00	27	328.00	29	355.00	260	404.00	333
305.00	35	334.00	575	356.00	53	421.00	250
310.00	29	335.00	913	365.00	5267	422.00	580
315.00	53	336.00	426	366.00	736	423.00	6375
316.00	41	338.00	121	371.00	222	424.00	1281
317.00	136	342.00	194	372.00	333	426.00	41
322.00	186	343.00	53	373.00	53	438.00	138
323.00	2716	346.00	166	385.00	29	440.00	472

Data File : U:\DATA\112304\B03520.D Vial: 0
Acq On : 23 Nov 2004 9:09 Operator: CLZ
Sample : DFTPP 11/23/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 24 12:10 2004 Quant Results File: temp.res

Method : U:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Nov 24 12:10:03 2004
Response via : Single Level Calibration





TIC: B03520.D

(1) Pentachlorophenol (T)

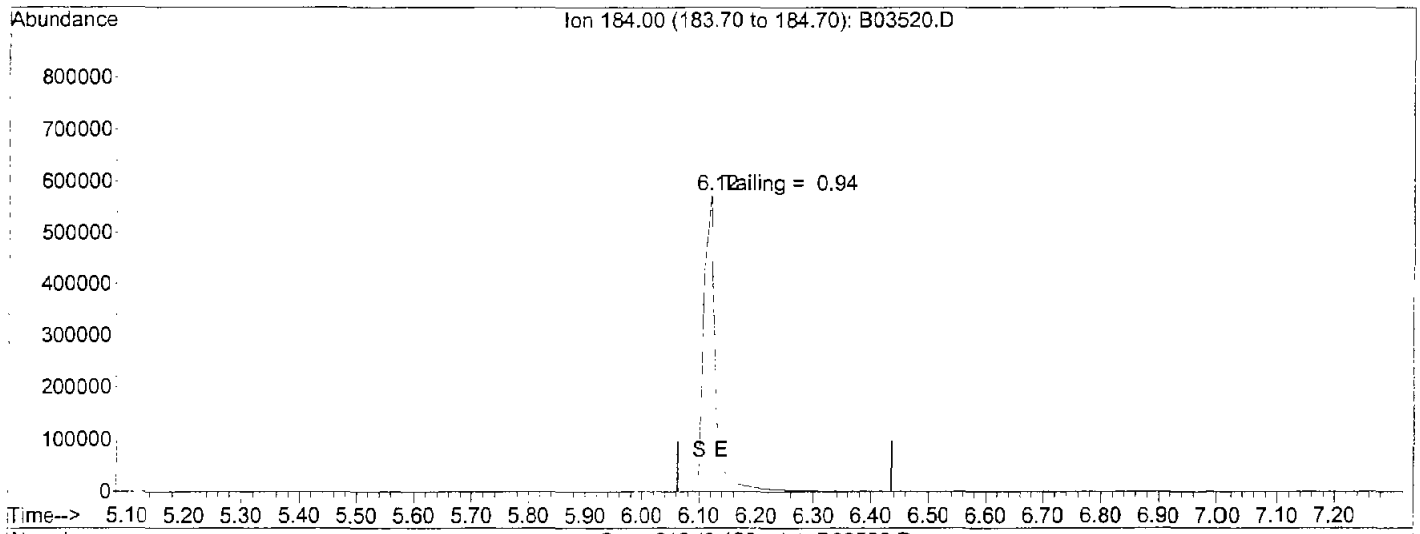
4.77min 0.19

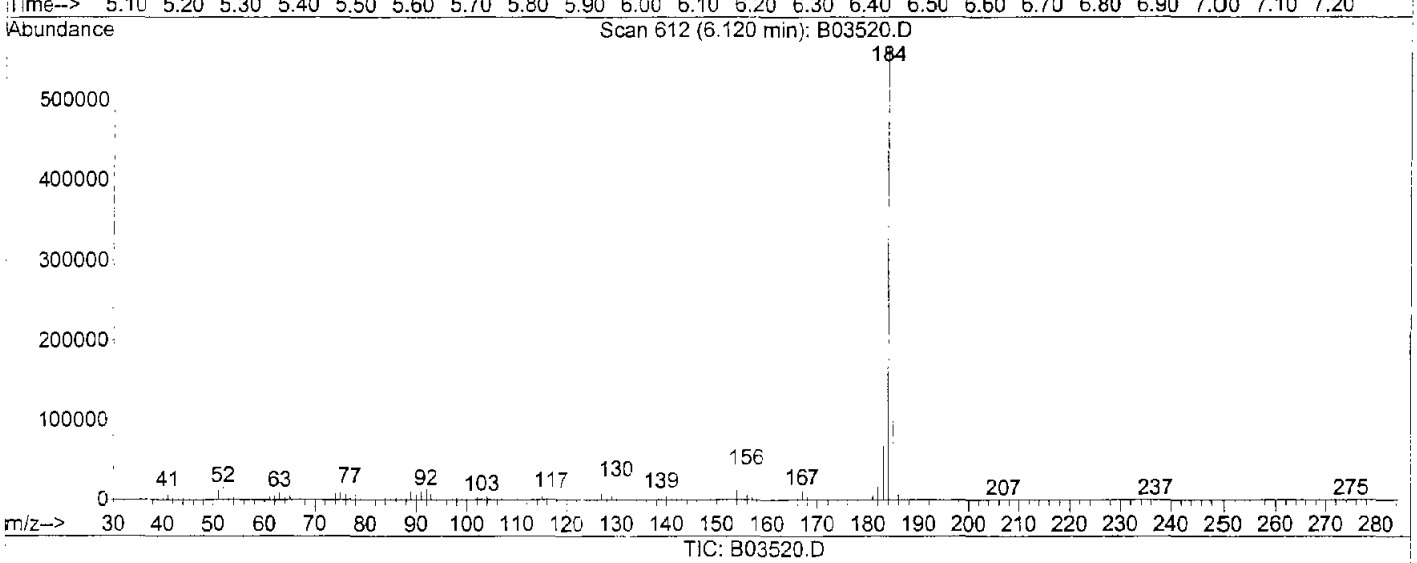
response 155008

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 : U:\DATA\112304\B03520.D Vial: 0
Acq On : 23 Nov 2004 9:09 Operator: CLZ
Sample : DFTPP 11/23/04 Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 24 12:10 2004 Quant Results File: temp.res

Method : U:\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP8270; PCP; Benzidine and DDT evaluation
Last Update : Wed Nov 24 12:10:03 2004
Response via : Single Level Calibration





(3) Benzidine (T)

6.12min 0.27

response 572928

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 **B03520.D**
Data File Path **U:\DATA\112304**
Operator **CLZ**

Sample Name **DFTPP 11/23/04**

#	Name	Ret Time	Target Response	Percent Breakdown
4)	DDT	7.00	345112	0.00%
5)	DDD	0.00	0	Pass
6)	DDE	0.00	0	
	SUM		345112	

00643

METHOD BLANK

00644

Data File : U:\DATA\112304\B03522.D Vial: 0
Acq On : 23 Nov 2004 10:01 Operator: CLZ
Sample : SW1034 MB #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:11:58 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration
DataAcq Meth :

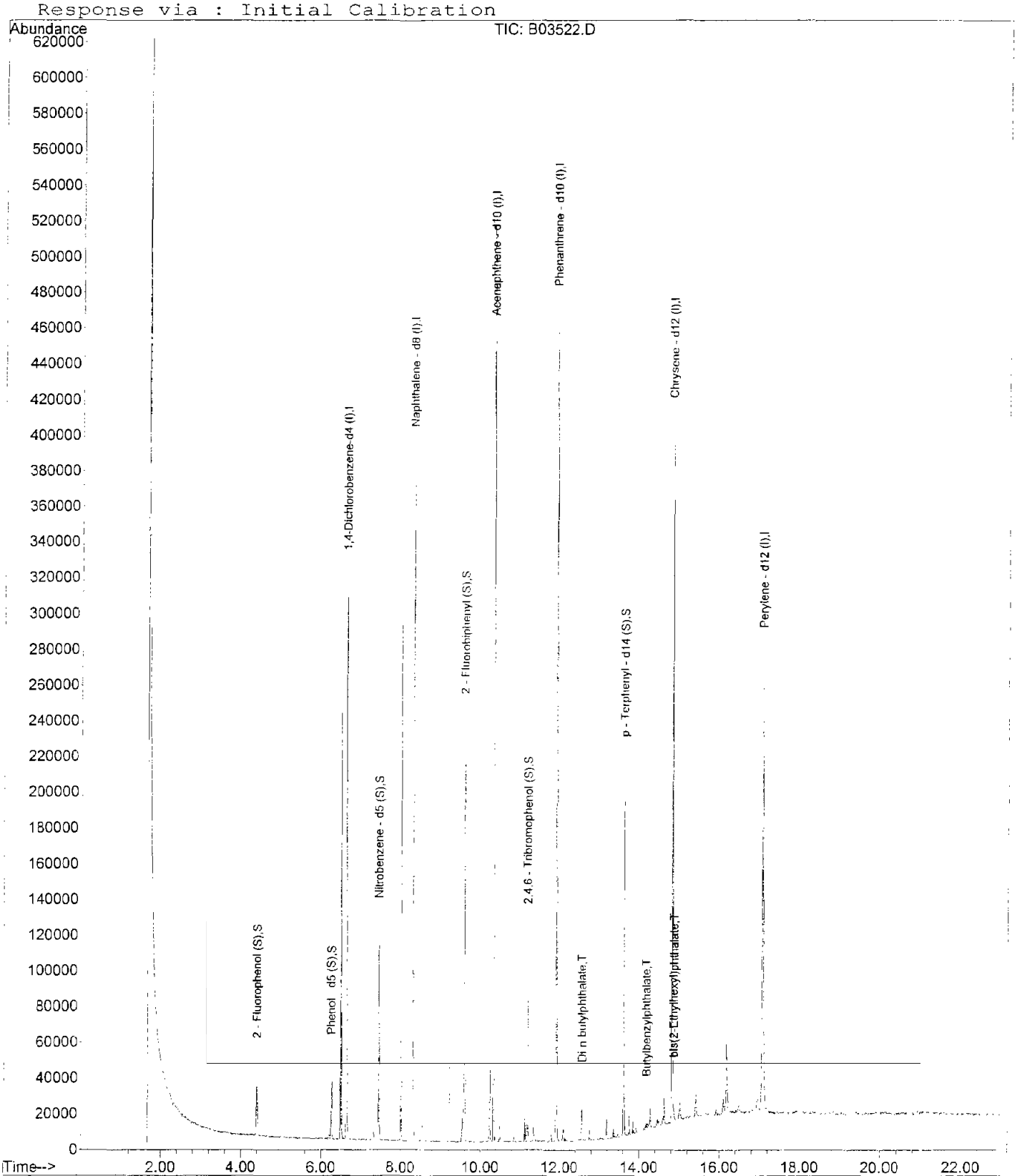
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.64	152	50396	1000.00	ug/L	0.04
20) Naphthalene - d8 (I)	8.32	136	196377	1000.00	ug/L	0.03
36) Acenaphthene - d10 (I)	10.33	162	121545	1000.00	ug/L	0.03
60) Phenanthrene - d10 (I)	11.91	188	183189	1000.00	ug/L	0.03
77) Chrysene - d12 (I)	14.82	240	221074+	1000.00	ul/l	0.02
83) Perylene - d12 (I)	17.07	264	271510+	1000.00	ug/L	0.02
System Monitoring Compounds						
4) 2 - Fluorophenol (S)	4.41	112	13726	257.83	ug/L	0.04
6) Phenol - d5 (S)	6.26	99	8660	137.85	ug/L	0.04
21) Nitrobenzene - d5 (S)	7.45	82	34730	642.45	ug/L	0.00
41) 2 - Fluorobiphenyl (S)	9.60	172	59072	631.21	ug/L	0.04
63) 2,4,6 - Tribromophenol (S)	11.19	330	14377	411.57	ug/L	0.03
76) p - Terphenyl - d14 (S)	13.62	244	73801	472.02	ug/L	0.01
Target Compounds						Qvalue
72) Di-n-butylphthalate	12.57	149	3686	24.17	ug/L #	73
78) Butylbenzylphthalate	14.18	149	1080	16.69	ug/L	91
82) bis(2-Ethylhexyl)phthalate	14.86	149	2204	21.09	ug/L #	53

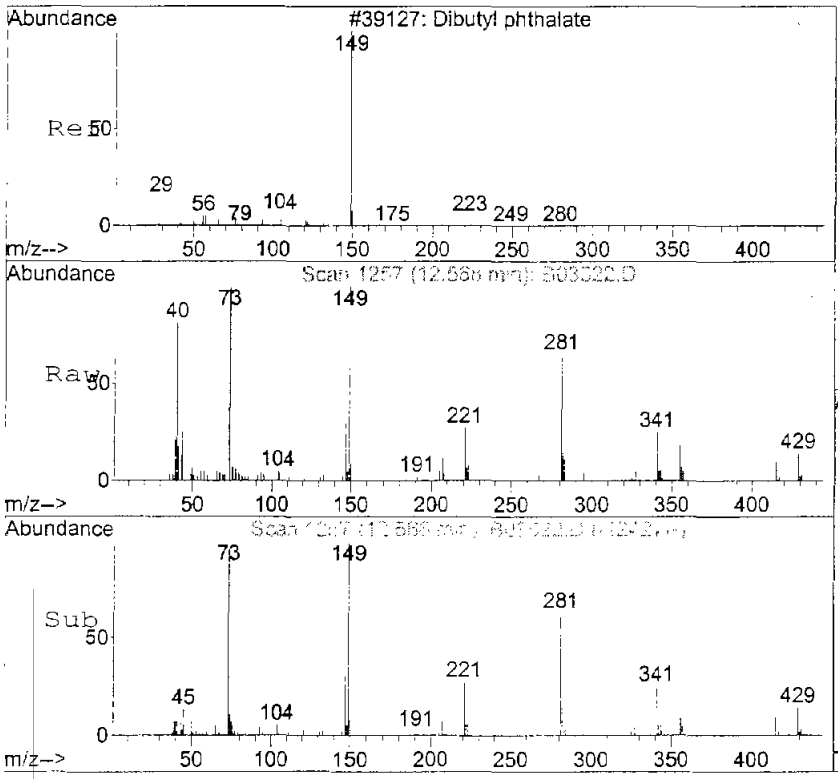
(#) = qualifier out of range (m) = manual integration (+) = signals summed
B03522.D 111604.M Mon Nov 29 14:12:27 2004 Page 1

00645

Data File : U:\DATA\112304\B03522.D Vial: 0
Acq On : 23 Nov 2004 10:01 Operator: CLZ
Sample : SW1034 MB #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:12 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration

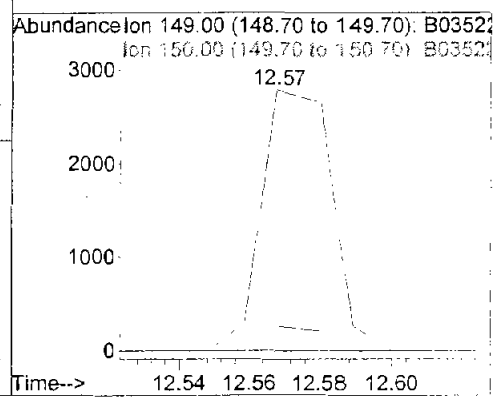


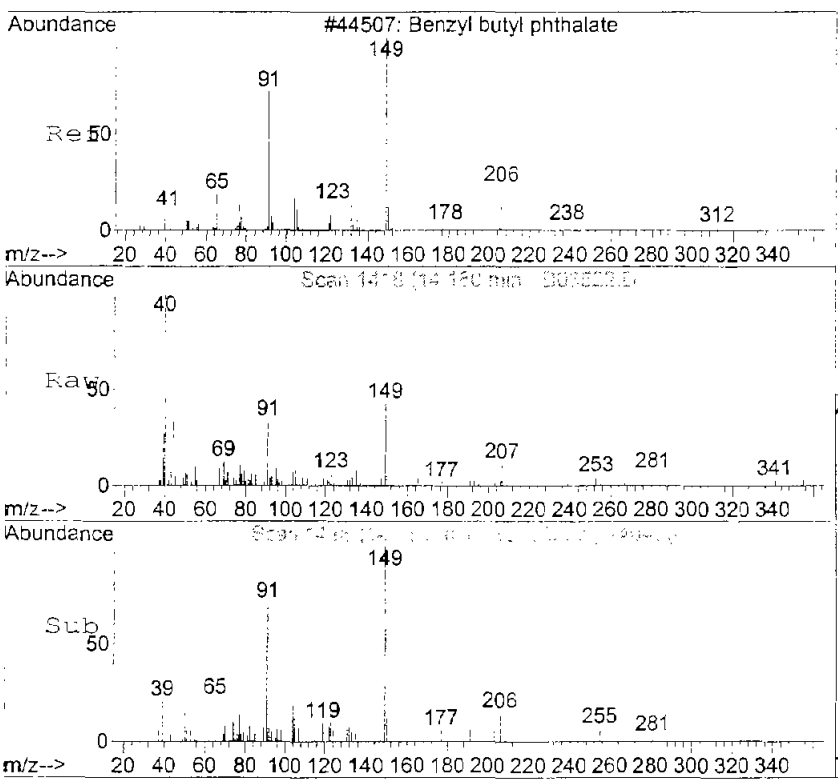


#72
Di-n-butylphthalate
Concen: 24.17 ug/L
RT: 12.57 min Scan# 1257
Delta R.T. 0.05 min
Lab File: B03522.D
Acq: 23 Nov 2004 10:01

Tgt Ion:149 Resp: 3686

Ion	Ratio	Lower	Upper
149	100		
150	0.0	0.0	50.0

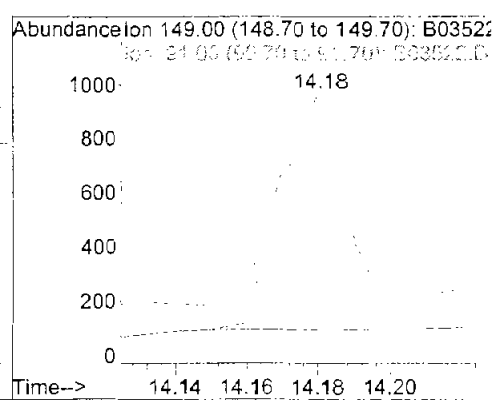


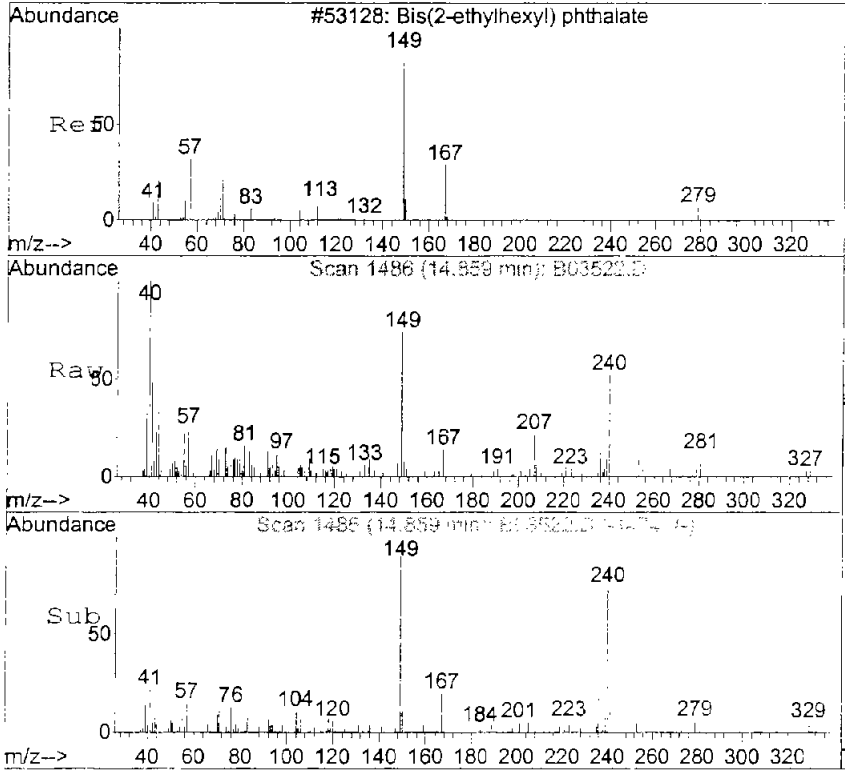


#78
Butylbenzylphthalate
Concen: 16.69 ug/L
RT: 14.18 min Scan# 1418
Delta R.T. 0.04 min
Lab File: B03522.D
Acq: 23 Nov 2004 10:01

Tgt Ion:149 Resp: 1080

Ion	Ratio	Lower	Upper
149	100		
91	77.0	45.0	125.0

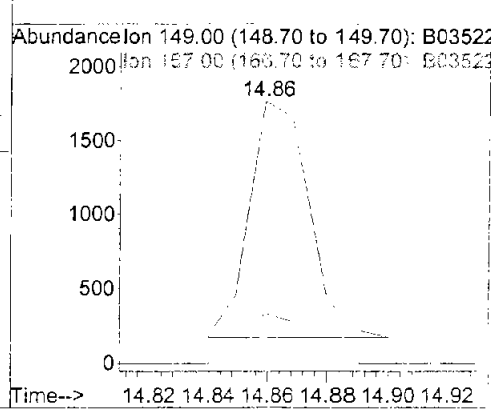




#82
bis(2-Ethylhexyl)phthalate
Concen: 21.09 ug/L
RT: 14.86 min Scan# 1486
Delta R.T. 0.02 min
Lab File: B03522.D
Acq: 23 Nov 2004 10:01

Tgt Ion:149 Resp: 2204

Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	62.6



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00649

Data File : U:\DATA\112304\B03523.D Vial: 0
Acq On : 23 Nov 2004 10:30 Operator: CLZ
Sample : SW1034 BS #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:13:04 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration
DataAcq Meth :

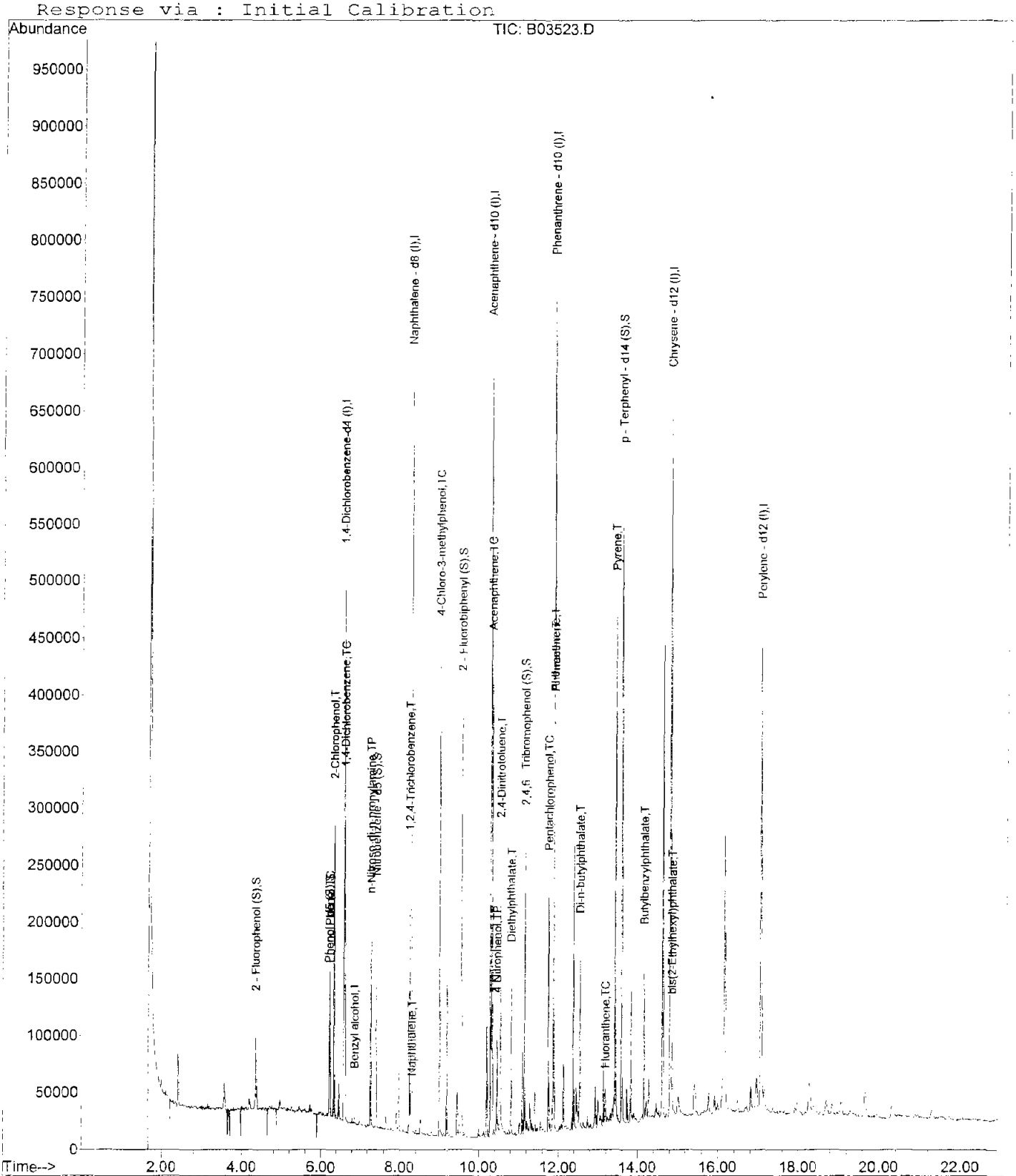
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.60	152	64988	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.29	136	280797	1000.00	ug/L		0.00
36) Acenaphthene - d10 (I)	10.30	162	183086	1000.00	ug/L		0.00
60) Phenanthrene - d10 (I)	11.88	188	294101	1000.00	ug/L		0.00
77) Chrysene - d12 (I)	14.81	240	406960+	1000.00	ul/l		0.01
83) Perylene - d12 (I)	17.07	264	479422+	1000.00	ug/L		0.02
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.36	112	28421	413.99	ug/L		0.00
6) Phenol - d5 (S)	6.22	99	24899	307.35	ug/L		0.00
21) Nitrobenzene - d5 (S)	7.42	82	51266	663.23	ug/L		-0.03
41) 2 - Fluorobiphenyl (S)	9.57	172	108373	768.76	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	11.16	330	37860	675.08	ug/L		0.00
76) p - Terphenyl - d14 (S)	13.60	244	215570	858.79	ug/L		0.00
Target Compounds							Qvalue
7) Phenol	6.23	94	39951	466.57	ug/L		99
9) 2-Chlorophenol	6.34	128	80899	998.58	ug/L		100
12) 1,4-Dichlorobenzene	6.62	146	56701	736.16	ug/L		85
13) Benzyl alcohol	6.88	79	2449	25.01	ug/L	#	43
18) n-Nitroso-di-n-propylamine	7.29	70	38627	743.01	ug/L		95
29) 1,2,4-Trichlorobenzene	8.25	180	42856	765.12	ug/L		100
30) Naphthalene	8.31	128	1925	8.85	ug/L		41
33) 4-Chloro-3-methylphenol	9.01	107	126080-	1141.88	ug/L		100
49) Acenaphthene	10.33	153	107079	710.45	ug/L		100
51) 4-Nitrophenol	10.46	109	11916	670.52	ug/L	#	55
53) 2,4-Dinitrotoluene	10.55	165	33122	770.46	ug/L		89
56) Diethylphthalate	10.82	149	2664	21.82	ug/L	#	55
67) Pentachlorophenol	11.75	266	27577	578.84	ug/L		100
68) Phenanthrene	11.90	178	685	3.17	ug/L		98
69) Anthracene	11.90	178	710	3.08	ug/L		95
72) Di-n-butylphthalate	12.55	149	77478	316.46	ug/L		94
73) Fluoranthene	13.19	202	3023	10.51	ug/L		60
74) Pyrene	13.43	202	209542	716.23	ug/L		90
78) Butylbenzylphthalate	14.17	149	31160	261.57	ug/L		85
82) bis(2-Ethylhexyl)phthalate	14.87	149	26515	137.82	ug/L		97

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

31506
00650

Data File : U:\DATA\112304\B03523.D Vial: 0
Acq On : 23 Nov 2004 10:30 Operator: CLZ
Sample : SW1034 BS #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:13 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:06:32 2004
Response via : Initial Calibration



Data File : U:\DATA\112304\B03524.D Vial: 0
Acq On : 23 Nov 2004 10:58 Operator: CLZ
Sample : SW1034 BSD #1000 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 11:12:36 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Tue Nov 30 11:12:30 2004
Response via : Initial Calibration
DataAcq Meth :

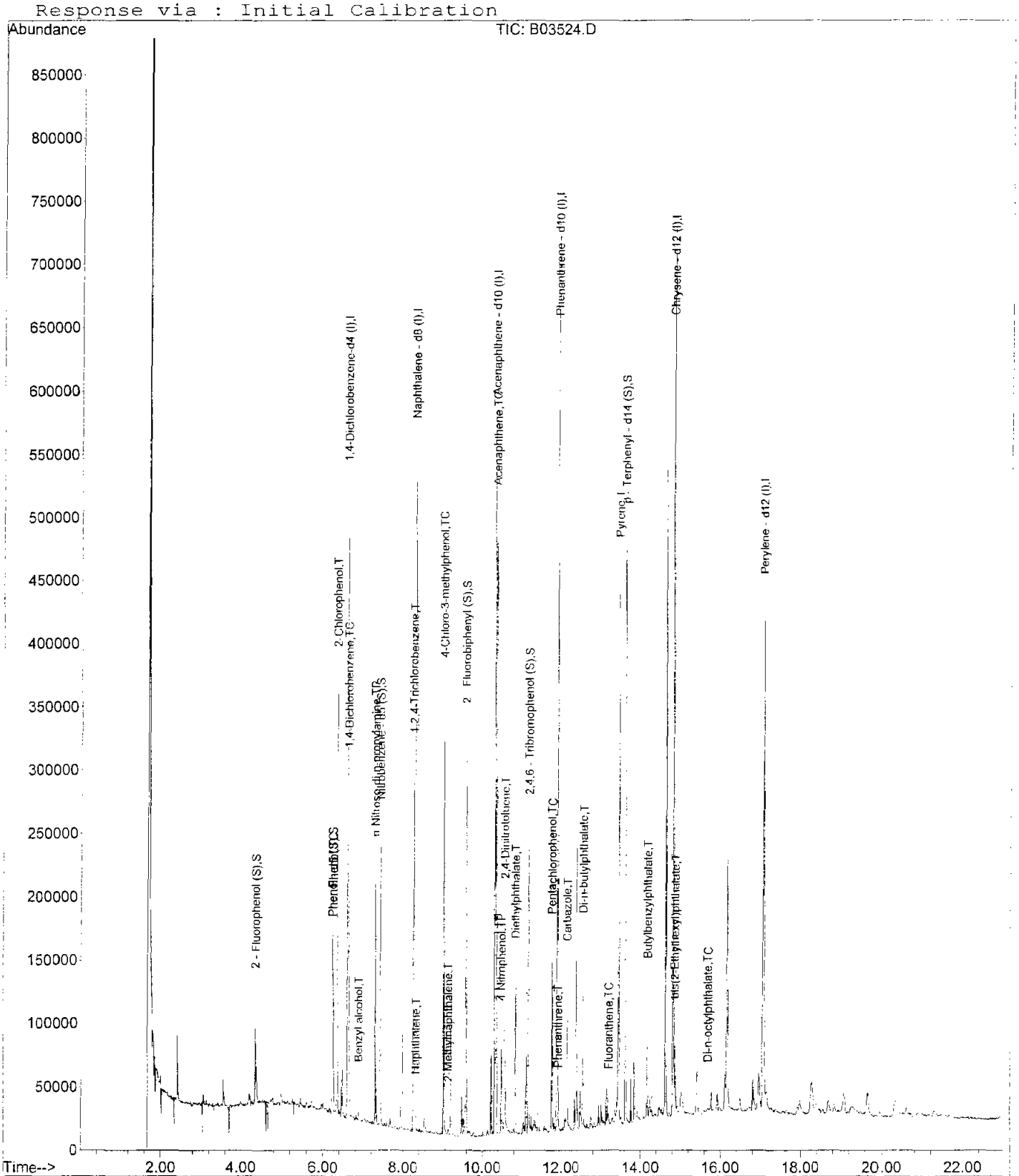
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.61	152	71706	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.30	136	291342	1000.00	ug/L		0.00
36) Acenaphthene - d10 (I)	10.32	162	159574	1000.00	ug/L		0.01
60) Phenanthrene - d10 (I)	11.90	188	278320	1000.00	ug/L		0.01
77) Chrysene - d12 (I)	14.82	240	418290+	1000.00	ul/l		0.02
83) Perylene - d12 (I)	17.06	264	459522+	1000.00	ug/L		0.01
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.36	112	30520	402.92	ug/L		-0.01
6) Phenol - d5 (S)	6.23	99	26523	296.73	ug/L		0.00
21) Nitrobenzene - d5 (S)	7.43	82	59690	744.26	ug/L		-0.02
41) 2 - Fluorobiphenyl (S)	9.58	172	103354	841.18	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	11.17	330	36559	688.85	ug/L		0.00
76) p - Terphenyl - d14 (S)	13.61	244	206702	870.16	ug/L		0.00
Target Compounds							Qvalue
7) Phenol	6.25	94	44207	467.90	ug/L		100
9) 2-Chlorophenol	6.35	128	80493	900.48	ug/L		100
12) 1,4-Dichlorobenzene	6.63	146	57125	672.18	ug/L		86
13) Benzyl alcohol	6.89	79	2989	27.67	ug/L		84
18) n-Nitroso-di-n-propylamine	7.30	70	46167	804.85	ug/L		87
29) 1,2,4-Trichlorobenzene	8.26	180	45662	785.71	ug/L		100
30) Naphthalene	8.33	128	2324	10.30	ug/L		6
33) 4-Chloro-3-methylphenol	9.02	107	149830+	1307.86	ug/L		99
34) 2-Methylnaphthalene	9.14	141	523	5.04	ug/L	#	45
49) Acenaphthene	10.35	153	109171	831.06	ug/L		100
51) 4-Nitrophenol	10.48	109	12128	783.00	ug/L		93
53) 2,4-Dinitrotoluene	10.56	165	26942	719.05	ug/L		83
56) Diethylphthalate	10.83	149	2540	23.86	ug/L		100
67) Pentachlorophenol	11.76	266	21218	470.62	ug/L		100
68) Phenanthrene	11.92	178	678	3.31	ug/L		90
71) Carbazole	12.15	167	853	4.49	ug/L	#	62
72) Di-n-butylphthalate	12.56	149	55309	238.72	ug/L		94
73) Fluoranthene	13.20	202	3222	11.84	ug/L	#	86
74) Pyrene	13.45	202	220216	795.39	ug/L		89
78) Butylbenzylphthalate	14.18	149	25295	206.59	ug/L		84
82) bis(2-Ethylhexyl)phthalate	14.87	149	18183	91.95	ug/L		96
84) Di-n-octylphthalate	15.71	149	3319	9.42	ug/L	#	74

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

Data File : U:\DATA\112304\B03524.D
Acq On : 23 Nov 2004 10:58
Sample : SW1034 BSD #1000 &1.0 WATER
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 11:13 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 : Tue Nov 30 11:12:30 2004
Response via : Initial Calibration



00653

MATIX SPIKE / MATRIX SPIKE DUPLICATE

00654

Data File : U:\DATA\112304\B03527.D Vial: 0
Acq On : 23 Nov 2004 12:22 Operator: CLZ
Sample : 124993-11A MS SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:31:26 2004 Quant Results File: 111604.RES

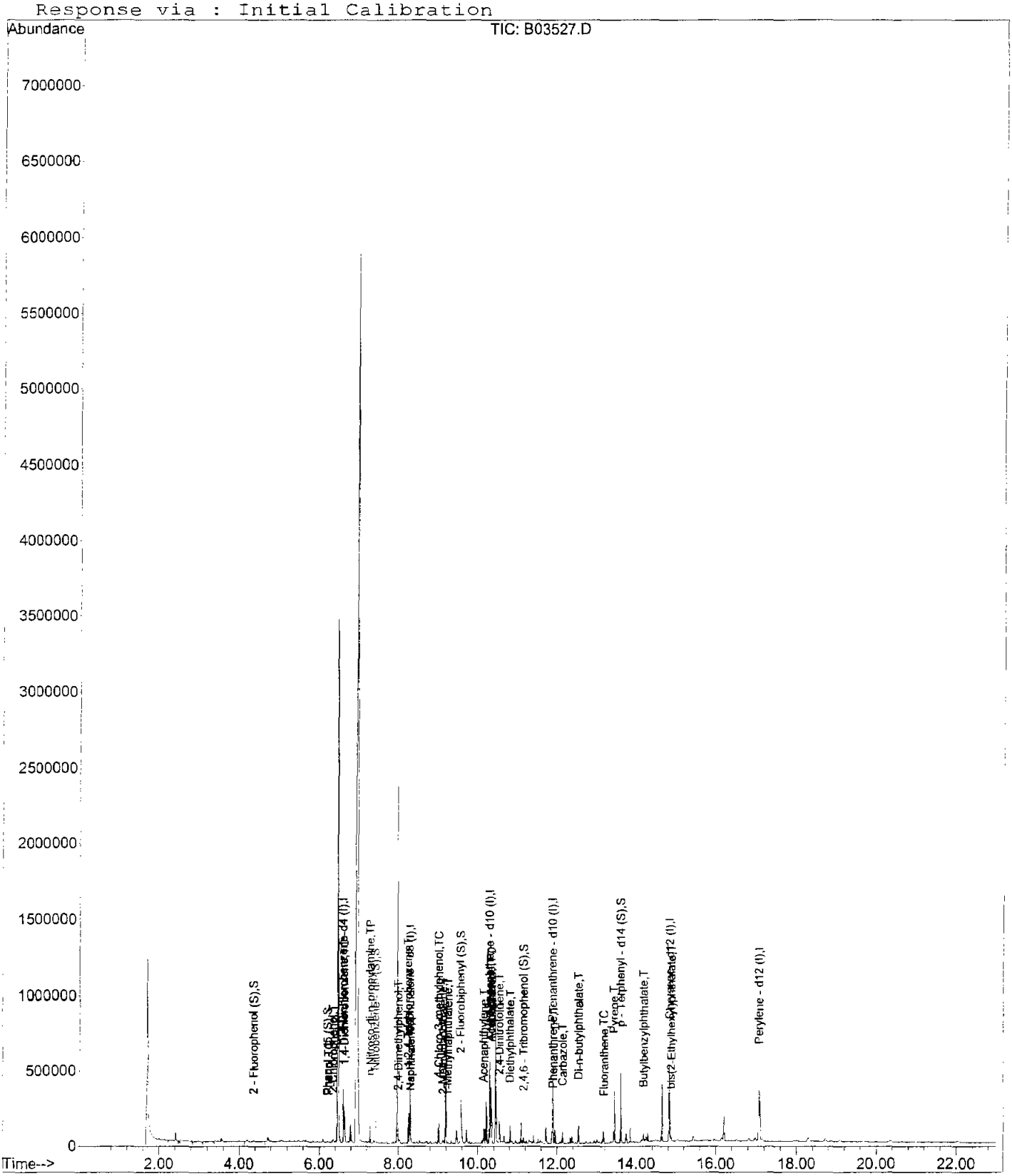
Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:29:38 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.60	152	58074	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.30	136	238280	1000.00	ug/L		0.00
36) Acenaphthene - d10 (I)	10.30	162	133282	1000.00	ug/L		-0.01
60) Phenanthrene - d10 (I)	11.89	188	213580	1000.00	ug/L		0.00
77) Chrysene - d12 (I)	14.83	240	325256+	1000.00	ul/l		0.01
83) Perylene - d12 (I)	17.08	264	358714+	1000.00	ug/L		0.01
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.37	112	2715	44.26	ug/L		0.00
6) Phenol - d5 (S)	6.22	99	674	9.31	ug/L		0.00
21) Nitrobenzene - d5 (S)	7.43	82	45738	697.29	ug/L		-0.02
41) 2 - Fluorobiphenyl (S)	9.57	172	87153	849.25	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	11.16	330	6736	165.39	ug/L		0.00
76) p - Terphenyl - d14 (S)	13.61	244	170973	937.92	ug/L		0.00
Target Compounds							Qvalue
7) Phenol	6.24	94	987	12.90	ug/L		64
9) 2-Chlorophenol	6.35	128	6102	84.29	ug/L		92
12) 1,4-Dichlorobenzene	6.63	146	46019	668.60	ug/L		88
18) n-Nitroso-di-n-propylamine	7.30	70	32130	691.62	ug/L		88
25) 2,4-Dimethylphenol	8.01	107	1486	25.74	ug/L	#	21
29) 1,2,4-Trichlorobenzene	8.25	180	33721	709.46	ug/L		100
30) Naphthalene	8.32	128	7549	40.90	ug/L		95
33) 4-Chloro-3-methylphenol	9.02	107	52382+	559.06	ug/L		98
34) 2-Methylnaphthalene	9.13	141	3200	37.71	ug/L	#	1
35) 1-Methylnaphthalene	9.25	141	2453	28.05	ul/l		34
46) Acenaphthylene	10.16	152	1578	9.59	ug/L	#	1
49) Acenaphthene	10.34	153	96980	883.89	ug/L		100
51) 4-Nitrophenol	10.34	109	796	61.53	ug/L	#	15
53) 2,4-Dinitrotoluene	10.55	165	27628	882.81	ug/L		86
56) Diethylphthalate	10.82	149	10735	120.76	ug/L		92
68) Phenanthrene	11.91	178	633	4.03	ug/L		68
71) Carbazole	12.14	167	725	4.98	ug/L	#	62
72) Di-n-butylphthalate	12.55	149	35428	199.26	ug/L		97
73) Fluoranthene	13.19	202	2484	11.89	ug/L	#	86
74) Pyrene	13.44	202	183627	864.28	ug/L		86
78) Butylbenzylphthalate	14.18	149	11969	125.71	ug/L		82
82) bis(2-Ethylhexyl)phthalate	14.88	149	15215	98.95	ug/L		99

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

Data File : U:\DATA\112304\B03527.D Vial: 0
Acq On : 23 Nov 2004 12:22 Operator: CLZ
Sample : 124993-11A MS SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:33 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:29:38 2004
Response via : Initial Calibration



00656

Data File : U:\DATA\112304\B03528.D Vial: 0
Acq On : 23 Nov 2004 12:50 Operator: CLZ
Sample : 124993-11A MSD SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:34:29 2004 Quant Results File: 111604.RES

Quant Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:29:38 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4 (I)	6.60	152	52941	1000.00	ug/L		0.00
20) Naphthalene - d8 (I)	8.29	136	236469	1000.00	ug/L		-0.01
36) Acenaphthene - d10 (I)	10.30	162	143803	1000.00	ug/L		-0.01
60) Phenanthrene - d10 (I)	11.89	188	238752	1000.00	ug/L		0.00
77) Chrysene - d12 (I)	14.82	240	379744+	1000.00	ul/l		0.00
83) Perylene - d12 (I)	17.07	264	407693+	1000.00	ug/L		0.00
System Monitoring Compounds							
4) 2 - Fluorophenol (S)	4.35	112	1217	21.76	ug/L		-0.03
6) Phenol - d5 (S)	6.22	99	5682	86.10	ug/L		0.00
21) Nitrobenzene - d5 (S)	7.42	82	53236	817.82	ug/L		-0.04
41) 2 - Fluorobiphenyl (S)	9.57	172	90097	813.71	ug/L		0.00
63) 2,4,6 - Tribromophenol (S)	11.16	330	768	16.87	ug/L		0.00
76) p - Terphenyl - d14 (S)	13.61	244	174987	858.73	ug/L		0.00
Target Compounds							Qvalue
7) Phenol	6.24	94	9704	139.12	ug/L		98
9) 2-Chlorophenol	6.34	128	11323	171.57	ug/L		100
12) 1,4-Dichlorobenzene	6.62	146	46992	748.94	ug/L		85
18) n-Nitroso-di-n-propylamine	7.29	70	42382	1000.75	ug/L		94
29) 1,2,4-Trichlorobenzene	8.25	180	35730	757.48	ug/L		100
30) Naphthalene	8.32	128	5532	30.20	ug/L		70
33) 4-Chloro-3-methylphenol	9.01	107	37288+	401.01	ug/L		96
34) 2-Methylnaphthalene	9.13	141	8526	101.24	ug/L		40
35) 1-Methylnaphthalene	9.25	141	6441	74.20	ul/l		30
49) Acenaphthene	10.34	153	99760	842.70	ug/L		100
51) 4-Nitrophenol	10.34	109	910	65.19	ug/L	#	29
52) Dibenzofuran	10.51	168	987	8.07	ug/L		99
53) 2,4-Dinitrotoluene	10.55	165	27406	811.65	ug/L		89
56) Diethylphthalate	10.82	149	4729	49.30	ug/L		87
57) Fluorene	10.88	166	1414	11.04	ug/L		88
68) Phenanthrene	11.91	178	1751	9.98	ug/L		93
72) Di-n-butylphthalate	12.55	149	39042	196.44	ug/L		96
73) Fluoranthene	13.19	202	2618	11.21	ug/L	#	86
74) Pyrene	13.44	202	190981	804.12	ug/L		88
78) Butylbenzylphthalate	14.18	149	15490	139.35	ug/L		84
82) bis(2-Ethylhexyl)phthalate	14.87	149	18994	105.81	ug/L		97

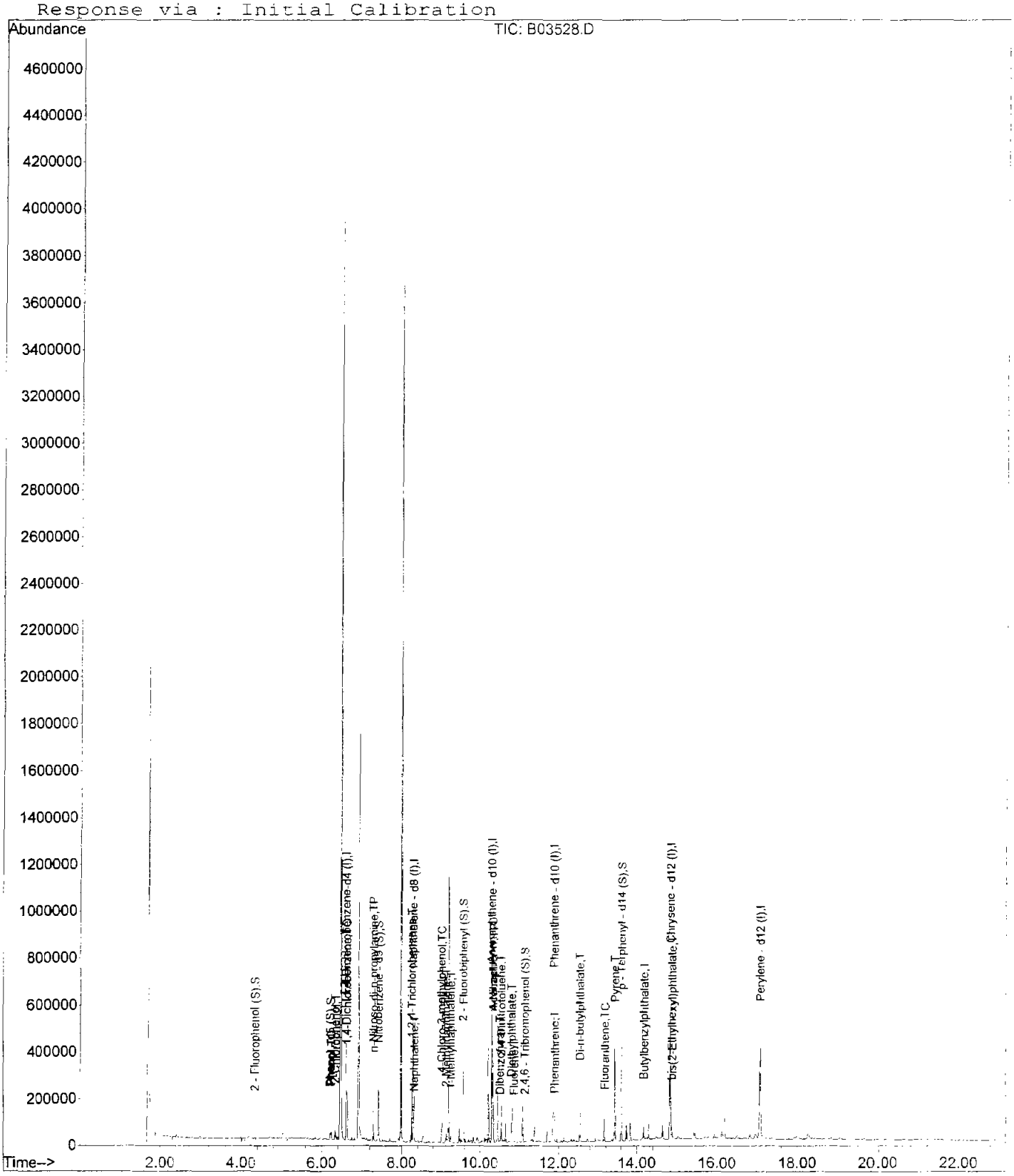
(#) = qualifier out of range (m) = manual integration (+) = signals summed

31520

00657

Data File : U:\DATA\112304\B03528.D Vial: 0
Acq On : 23 Nov 2004 12:50 Operator: CLZ
Sample : 124993-11A MSD SW1034 &1.0 WATER Inst :
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:36 2004 Quant Results File: 111604.RES

Method : U:\METHODS\111604.M (RTE Integrator)
Title : USEPA Method 8270 Calibration
Last Update : Mon Nov 29 14:29:38 2004
Response via : Initial Calibration



00658

LABORATORY WORKSHEETS

00659

Semivolatile GCMS Worksheet - ~~TCLP~~

11/23

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:Liquid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Kati	

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP
"B" Brs field filtered

~~Sample number 124945-1~~		Client Sample ID	041116SGA01GW
Sample Weight/Volume	99%	Date Received	11/18/2004
		Date Sampled	**1/16/2004 10:30:00 AM**

Diss SVOC

See attached

Samples are: Low Level ☒ Small Volume ☐ Normal ☐

Analyst _____ Date _____

Reviewed by _____ Date 31526 _____

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

00660

Semivolatile Analysis by USEPA Method 8270

QCBatch ID	SW1034	pH2	pH7	pH12
Sample Matrix	Liquid	X		X
Surrogate Standard No.	1281-3-1			
Expiration Date	10/15/05	Volume Measured By/Date 11-19-04 th		
8270 Spike No.	1281-1-11	Extracted By/Date 11-19-04 th		
		low level SVOC's by 8270 ("a" denotes dissolved sample)		
		(extraction log created 11/19/04; printed on 11/22/04)		
Internal Standard No.	980-100-3			
Expiration Date	4/3/05			
MeCl2 Lot Number	A35E08			
		Spike Witness Signature/Date		
Extraction Method	3510 Separatory Funnel			

QC Sample Type		Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	SW1034	1000	1	10	N/A
Duplicate	none				
Duplicate-2	none				
Blank Spike	sSW1034	1000	1	10	10
Blank Spike Duplicate	dSW1034	1000	1	10	10
Matrix Spike	124993s11	946	1	10	10
Matrix Spike Duplicate	124993d11	1058	1	10	10
Matrix Spike-2	124993s11	989 (a)	1	10	10
Matrix Spike Duplicate-2	124993d11	1059 (a)	1	10	10

Sample		Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	Comments
124945-1	41116SGA01G	910	1	10	
124945-1a	41116SGA01G	997	1	10	
124993-8	41117SGA02G	1001	1	10	
124993-9	41117SGA03G	969	1	10	
124993-10	41117SGA04G	950	1	10	
124993-11	41117SGA05G	954	1	10	
124993-13	41118SGA06G	998	1	10	
124993-14	41118SGA07G	904	1	10	
124993-15	41118SGA08G	828	1	10	
124993-8a	41117SGA02G	953	1	10	
124993-9a	41117SGA03G	930	1	10	
124993-10a	41117SGA04G	950	1	10	
124993-11a	41117SGA05G	1021	1	10	
124993-13a	41118SGA06G	985	1	10	
124993-14a	41118SGA07G	826	1	10	
124993-15a	41118SGA08G	1017	1	10	

00661

STL Seattle

6a **Sample Information**

Th Client Name	**URS Corporation**	
Work Order Number	**124945**	
Sample Number	**1A**	Related Blank: sw1034
QC Batch Number	**sw1034**	
Client Sample ID	**041116SGA01GW**	
Date Received	**11-18-04**	
Date Prepared	**11-19-04**	
Date Analyzed	**11-23-04**	
Sample matrix type	**liquid**	
QC sample type	**sample**	

Sample volume (ml)	**997**	=	0.997 /L	Calc. Fact.	0.001003009
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.003009027
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	0	x9	0	**LOW**	2	120
x	Phenol - d5	12.1049		1.21	**OK**	1	102
x	Nitrobenzene - d5	730.8454		73.1	**OK**	34	146
x	2 - Fluorobiphenyl	793.4096		79.3	**OK**	35	143
x	2,4,6 - Tribromophenol	0	x9	0	**LOW**	29	151
x	p - Terphenyl - d14	698.0616		69.8	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Naphthalene	39.8214			0.0399	J	0.0502
x	2-Methylnaphthalene	15.7305			0.0158	J	0.0502
x	Acenaphthene	4.8978			0.00491	J	0.0201
x	Diethylphthalate	58.3335			0.0585	J	0.201
x	Fluorene	7.2899			0.00731	J	0.0201
x	Phenanthrene	9.5381			0.00957	J	0.0201
x	Di-n-butylphthalate	129.129			0.13	J	0.201
x	Butylbenzylphthalate	116.6065			0.117	J	0.301
x	bis(2-Ethylhexyl)phthalate	103.0868		ND			1.5
	Biphenyl	3.3135		ND			1
	1-Methylnaphthalene	14.7743		ND			0.301

00692

STL Seattle

6a **Sample Information**

Th	Client Name	
	Work Order Number	
	Sample Number	Related Blank: noblank
	QC Batch Number	sw1034
	Client Sample ID	
	Date Received	
	Date Prepared	11-19-04
	Date Analyzed	11-23-04
	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	257.8295		25.8	OK	2	120
x	Phenol - d5	137.851		13.8	OK	1	102
x	Nitrobenzene - d5	642.4507		64.2	OK	34	146
x	2 - Fluorobiphenyl	631.205		63.1	OK	35	143
x	2,4,6 - Tribromophenol	411.5671		41.2	OK	29	151
x	p - Terphenyl - d14	472.0198		47.2	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Di-n-butylphthalate	24.1713			ND		0.2
x	Butylbenzylphthalate	16.6892			ND		0.3
x	bis(2-Ethylhexyl)phthalate	21.089			ND		1.5

00663

STL Seattle

6a **Sample Information**

Th	Client Name	
	Work Order Number	
	Sample Number	Related Blank: sw1034
	QC Batch Number	**sw1034**
	Client Sample ID	
	Date Received	
	Date Prepared	**11-19-04**
	Date Analyzed	**11-23-04**
	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	2 - Fluorophenol	413.991		41.4	**OK**	2	120
x	Phenol - d5	307.3526		30.7	**OK**	1	102
x	Nitrobenzene - d5	663.2277		66.3	**OK**	34	146
x	2 - Fluorobiphenyl	768.7618		76.9	**OK**	35	143
x	2,4,6 - Tribromophenol	675.081		67.5	**OK**	29	151
x	p - Terphenyl - d14	858.7944		85.9	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	466.5671			0.467		0.2
x	2-Chlorophenol	998.5766			0.999		0.2
x	1,4-Dichlorobenzene	736.159			0.736		0.2
x	Benzyl Alcohol	25.0127		ND			0.2
x	N-nitroso-di-n-propylamine	743.0125			0.743		0.2
x	1,2,4-Trichlorobenzene	765.1242			0.765		0.2
x	Naphthalene	8.8501		ND			0.05
x	4-Chloro-3-methylphenol	1141.876			1.14		0.2
x	Acenaphthene	710.453			0.71		0.02
x	4-Nitrophenol	670.5158			0.671	J	1
x	2,4-Dinitrotoluene	770.4604			0.77		0.2
x	Diethylphthalate	21.8152		ND			0.2
x	Pentachlorophenol	578.8372			0.579		0.2
x	Phenanthrene	3.1687		ND			0.02
x	Anthracene	3.08			0.00308	J	0.02
x	Di-n-butylphthalate	316.4646			0.316		0.2
x	Fluoranthene	10.5092			0.0105	J	0.02
x	Pyrene	716.2295			0.716		0.02
x	Butylbenzylphthalate	261.5746			0.262	J	0.3
x	bis(2-Ethylhexyl)phthalate	137.8229		ND			1.5

00664

x	Di-n-octylphthalate	9.4229	ND	0.2
x	Carbazole	4.4945	ND	0.2

STL Seattle

6a **Sample Information**

Th	Client Name					
	Work Order Number					
	Sample Number				Related Blank: sw1034	
	QC Batch Number	sw1034				
	Client Sample ID					
	Date Received					
	Date Prepared	11-19-04				
	Date Analyzed	11-23-04				
	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	402.9153		40.3	OK	2	120
x	Phenol - d5	296.7258		29.7	OK	1	102
x	Nitrobenzene - d5	744.2591		74.4	OK	34	146
x	2 - Fluorobiphenyl	841.184		84.1	OK	35	143
x	2,4,6 - Tribromophenol	688.8453		68.9	OK	29	151
x	p - Terphenyl - d14	870.1571		87	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	467.9023			0.468		0.2
x	2-Chlorophenol	900.4799			0.9		0.2
x	1,4-Dichlorobenzene	672.1787			0.672		0.2
x	Benzyl Alcohol	27.6678		ND			0.2
x	N-nitroso-di-n-propylamine	804.8491			0.805		0.2
x	1,2,4-Trichlorobenzene	785.7142			0.786		0.2
x	Naphthalene	10.2978		ND			0.05
x	4-Chloro-3-methylphenol	1307.859			1.31		0.2
x	2-Methylnaphthalene	5.0406		ND			0.05
x	Acenaphthene	831.058			0.831		0.02
x	4-Nitrophenol	782.9981			0.783	J	1
x	2,4-Dinitrotoluene	719.0459			0.719		0.2
x	Diethylphthalate	23.8644		ND			0.2
x	Pentachlorophenol	470.6152			0.471		0.2
x	Phenanthrene	3.3142		ND			0.02
x	Di-n-butylphthalate	238.7232			0.239		0.2
x	Fluoranthene	11.8361			0.0118	J	0.02
x	Pyrene	795.3935			0.795		0.02
x	Butylbenzylphthalate	206.5889			0.207	J	0.3
x	bis(2-Ethylhexyl)phthalate	91.9538		ND			1.5

00666

STL Seattle

6a **Sample Information**

Th Client Name	**URS Corporation**
Work Order Number	**124993**
Sample Number	**11A**
QC Batch Number	**sw1034**
Client Sample ID	**041117SGA05GW**
Date Received	**11-19-04**
Date Prepared	**11-19-04**
Date Analyzed	**11-23-04**
Sample matrix type	**liquid**
QC sample type	**ms**

Related Blank: sw1034

Sample volume (ml)	**989**	=	0.989 /L	Calc. Fact.	0.001011122
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.011122346
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	44.2561		4.43	**OK**	2	120
x	Phenol - d5	9.3104	X9	0.931	**LOW**	1	102
x	Nitrobenzene - d5	697.2929		69.7	**OK**	34	146
x	2 - Fluorobiphenyl	849.2522		84.9	**OK**	35	143
x	2,4,6 - Tribromophenol	165.3915	X9	16.5	**LOW**	29	151
x	p - Terphenyl - d14	937.9169		93.8	**OK**	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	12.899			0.013	J	0.202
x	2-Chlorophenol	84.2872			0.0852	J	0.202
x	1,4-Dichlorobenzene	668.6048			0.676		0.202
x	N-nitroso-di-n-propylamine	691.6196			0.699		0.202
x	2,4-Dimethylphenol	25.736			ND		1.01
x	1,2,4-Trichlorobenzene	709.4562			0.717		0.202
x	Naphthalene	40.8989			0.0414	J	0.0506
x	4-Chloro-3-methylphenol	559.0619			0.565		0.202
x	2-Methylnaphthalene	37.7087			0.0381	J	0.0506
x	Acenaphthylene	9.5864			0.00969	J	0.0202
x	Acenaphthene	883.8872			0.894		0.0202
x	4-Nitrophenol	61.5283			ND		1.01
x	2,4-Dinitrotoluene	882.8092			0.893		0.202
x	Diethylphthalate	120.7564			0.122	J	0.202
x	Phenanthrene	4.0321			0.00408	J	0.0202
x	Di-n-butylphthalate	199.2642			0.201	J	0.202
x	Fluoranthene	11.891			0.012	J	0.0202
x	Pyrene	864.2782			0.874		0.0202
x	Butylbenzylphthalate	125.7136			0.127	J	0.303
x	bis(2-Ethylhexyl)phthalate	98.9528			ND		1.52

00667

x	Carbazole	4.978	ND	0.202
	1-Methylnaphthalene	28.0455	ND	0.303

00668

STL Seattle

6a **Sample Information**

Th Client Name	URS Corporation	
Work Order Number	124993	
Sample Number	11A	Related Blank: sw1034
QC Batch Number	sw1034	
Client Sample ID	041117SGA05GW	
Date Received	11-19-04	
Date Prepared	11-19-04	
Date Analyzed	11-23-04	
Sample matrix type	liquid	
QC sample type	msd	

Sample volume (ml)	1059	=	1.059 /L	Calc. Fact.	0.000944287
Extract volume (ml)	1	=	1 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	0.944287063
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	21.7612		2.18	OK	2	120
x	Phenol - d5	86.0988		8.61	OK	1	102
x	Nitrobenzene - d5	817.8184		81.8	OK	34	146
x	2 - Fluorobiphenyl	813.7074		81.4	OK	35	143
x	2,4,6 - Tribromophenol	16.8689	X9	1.69	LOW	29	151
x	p - Terphenyl - d14	858.7291		85.9	OK	35	166

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Phenol	139.1164			0.131	J	0.189
x	2-Chlorophenol	171.5698			0.162	J	0.189
x	1,4-Dichlorobenzene	748.938			0.707		0.189
x	N-nitroso-di-n-propylamine	1000.755			0.945		0.189
x	1,2,4-Trichlorobenzene	757.4807			0.715		0.189
x	Naphthalene	30.2008			0.0285	J	0.0472
x	4-Chloro-3-methylphenol	401.0147			0.379		0.189
x	2-Methylnaphthalene	101.2396			0.0956		0.0472
x	Acenaphthene	842.7032			0.796		0.0189
x	4-Nitrophenol	65.1939			ND		0.944
x	Dibenzofuran	8.0652			ND		0.189
x	2,4-Dinitrotoluene	811.646			0.766		0.189
x	Diethylphthalate	49.3038			ND		0.189
x	Fluorene	11.0384			0.0104	J	0.0189
x	Phenanthrene	9.9777			0.00942	J	0.0189
x	Di-n-butylphthalate	196.4393			0.185	J	0.189
x	Fluoranthene	11.2111			0.0106	J	0.0189
x	Pyrene	804.1198			0.759		0.0189
x	Butylbenzylphthalate	139.3511			0.132	J	0.283
x	bis(2-Ethylhexyl)phthalate	105.8052			ND		1.42

69000

1-Methylnaphthalene	74.2048	ND	0.283

ORGANOTIN DATA PACKAGE

00671

SAMPLE DATA

00672

Quantitation Report (QT Reviewed)

Data File : T:\DATA\11292004\L14422.D Vial: 0
Acq On : 25 Nov 2004 1:14 Operator:
Sample : 124945-1 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:39:06 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.04	188	151484+	100.00	pg/ul	0.01
System Monitoring Compounds						
2) Tripentyltin (S)	11.16	347	91366+	55.29	PG/UL	0.00
Target Compounds						Qvalue

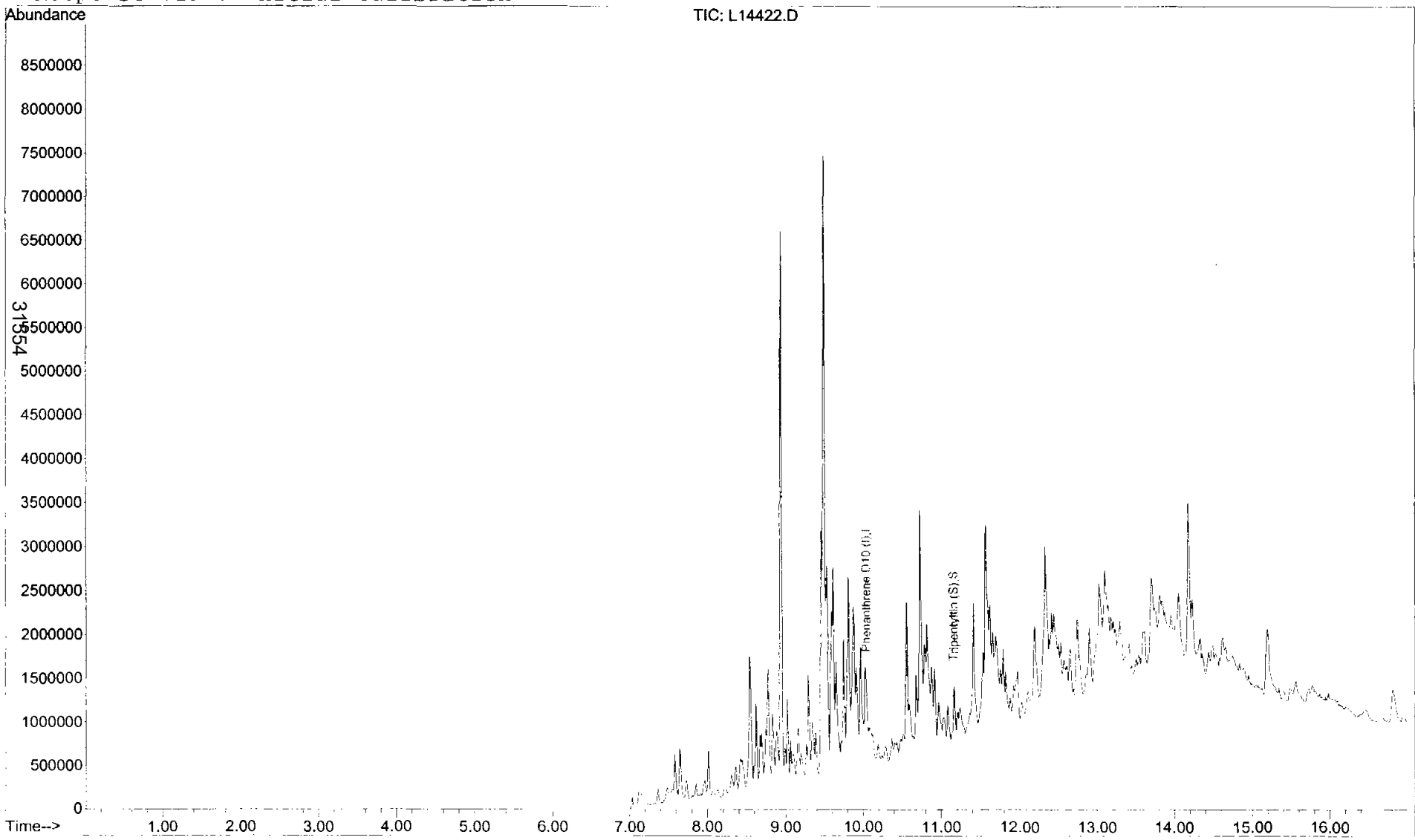
(#) = qualifier out of range (m) = manual integration (+) = signals summed
L14422.D ORGTIN112404.M Mon Nov 29 14:41:42 2004 Page 1

00673

Quantitation Report (QT Reviewed)

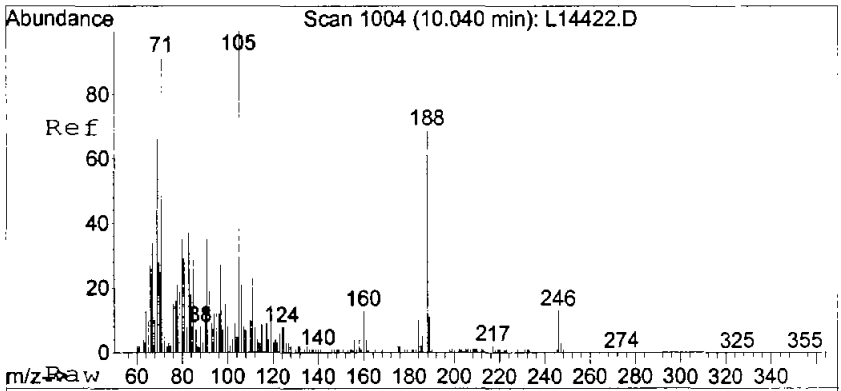
Data File : T:\DATA\11292004\L14422.D Vial: 0
Acq On : 25 Nov 2004 1:14 Operator:
Sample : 124945-1 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:39 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



31554

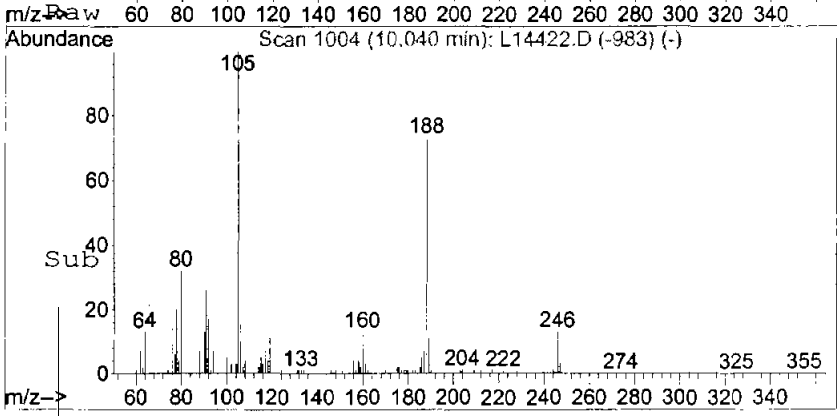
00674

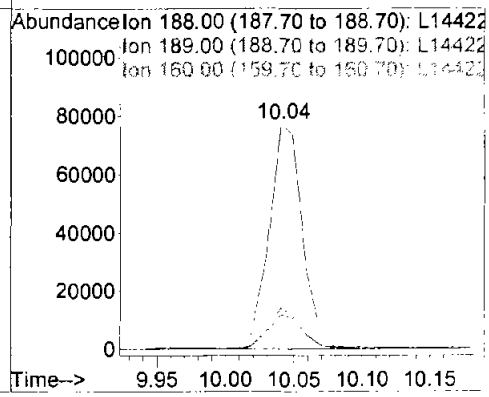


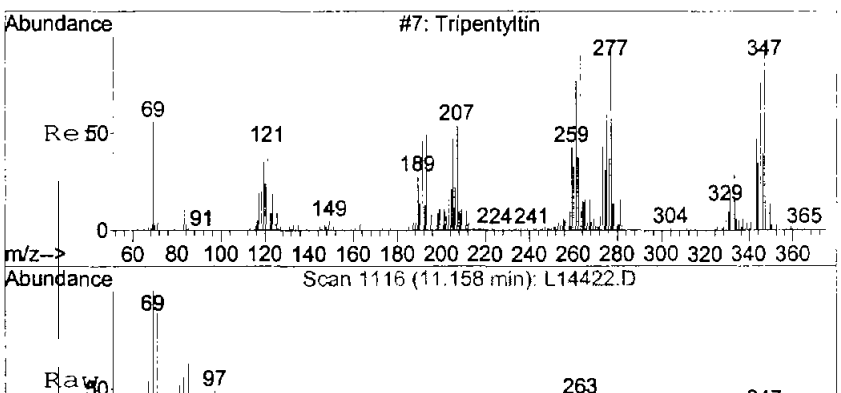
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.04 min Scan# 1004
Delta R.T. 0.01 min
Lab File: L14422.D
Acq: 25 Nov 2004 1:14

Tgt Ion:188 Resp: 151484

Ion	Ratio	Lower	Upper
188	100		
189	13.7	7.9	18.3
160	15.6	9.1	21.3



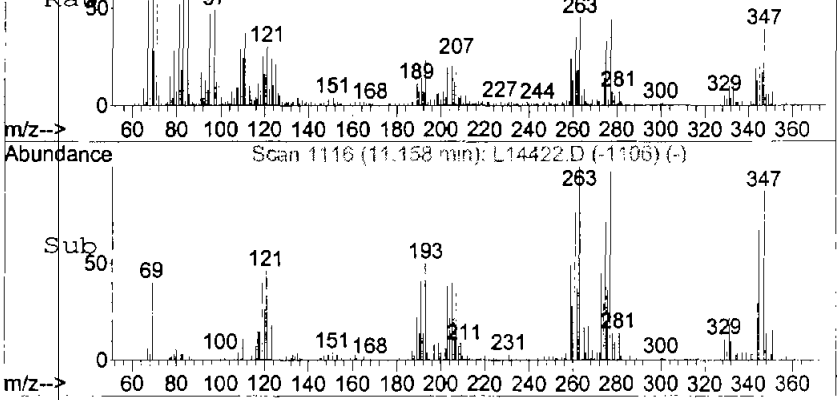


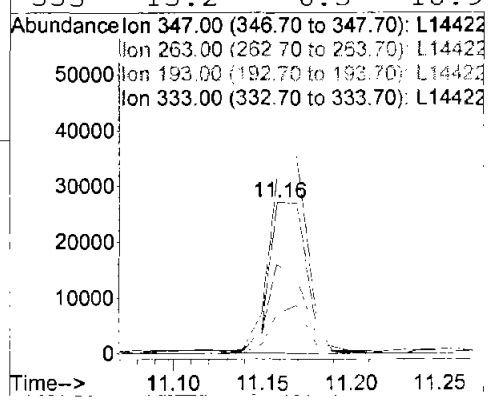


#2
Tripentyltin (S)
Concen: 55.29 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. -0.00 min
Lab File: L14422.D
Acq: 25 Nov 2004 1:14

Tgt Ion:347 Resp: 91366

Ion	Ratio	Lower	Upper
347	100		
263	57.4	17.0	68.0
193	26.0	10.1	30.3
333	13.2	6.3	18.9





Quantitation Report (QT Reviewed)

Data File : T:\DATA\11292004\L14407.D Vial: 0
Acq On : 24 Nov 2004 19:10 Operator:
Sample : 124945-3 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:26:17 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.04	188	124579+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.16	347	92251+	67.88	PG/UL	0.00
Target Compounds						Qvalue
5) Dibutyltin	10.86	347	10752+	3.82	PG/UL	89
6) Monobutyltin	11.51	291	23533+	7.36	PG/UL	88

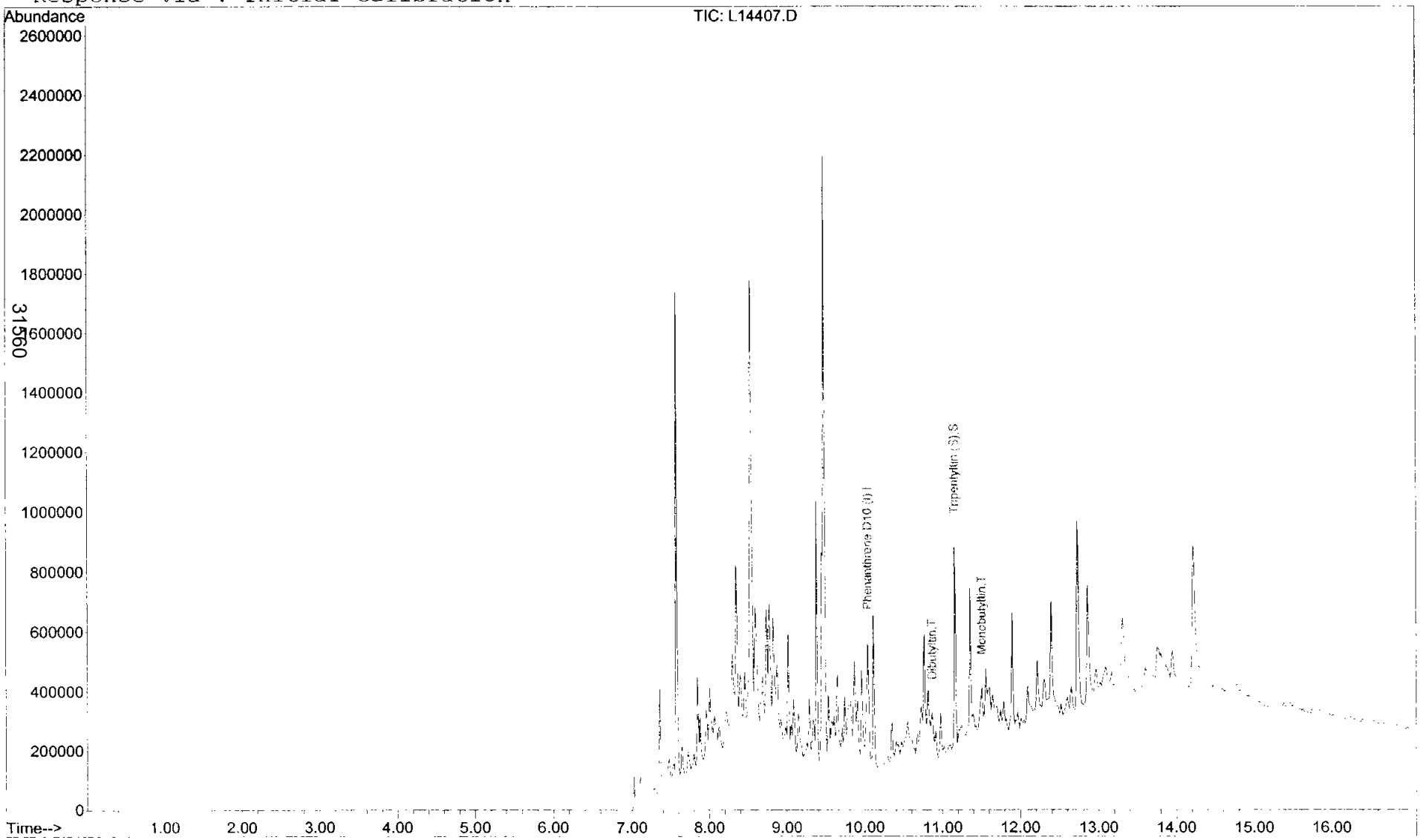
(#) = qualifier out of range (m) = manual integration (+) = signals summed
L14407.D ORGTIN112404.M Mon Nov 29 14:29:27 2004 Page 1

00676

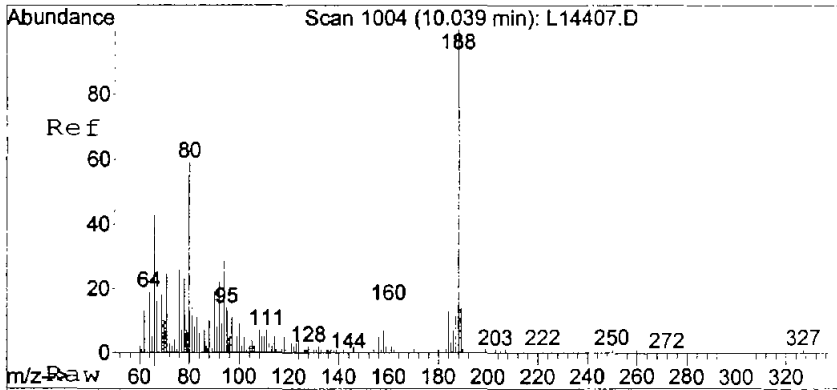
Quantitation Report (QT Reviewed)

Data File : T:\DATA\11292004\L14407.D Vial: 0
Acq On : 24 Nov 2004 19:10 Operator:
Sample : 124945-3 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:26 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



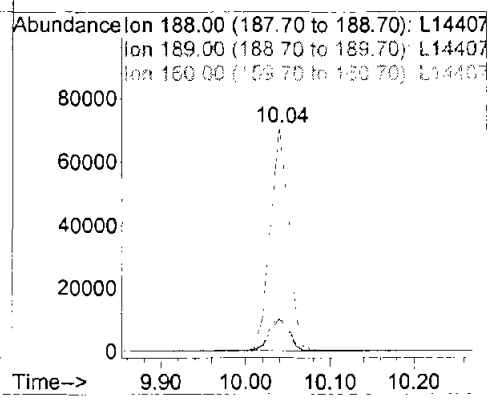
22900

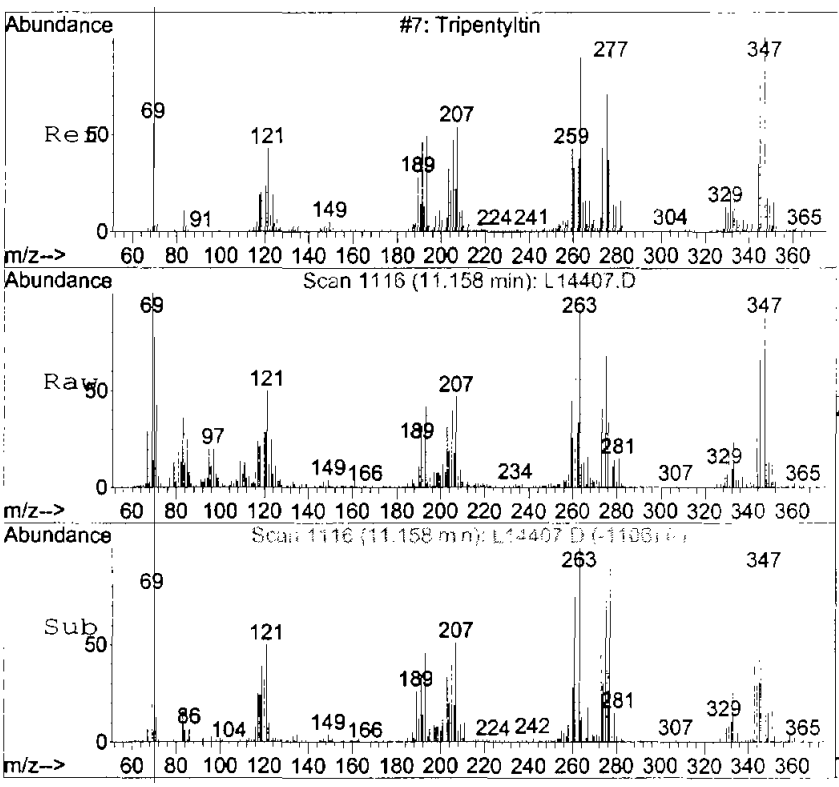


#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.04 min Scan# 1004
Delta R.T. 0.01 min
Lab File: L14407.D
Acq: 24 Nov 2004 19:10

Tgt Ion:188 Resp: 124579

Ion	Ratio	Lower	Upper
188	100		
189	12.9	7.9	18.3
160	14.6	9.1	21.3

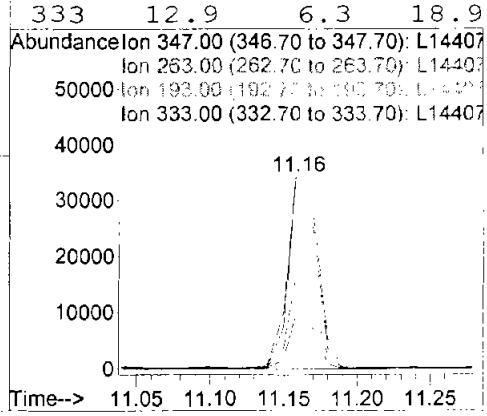


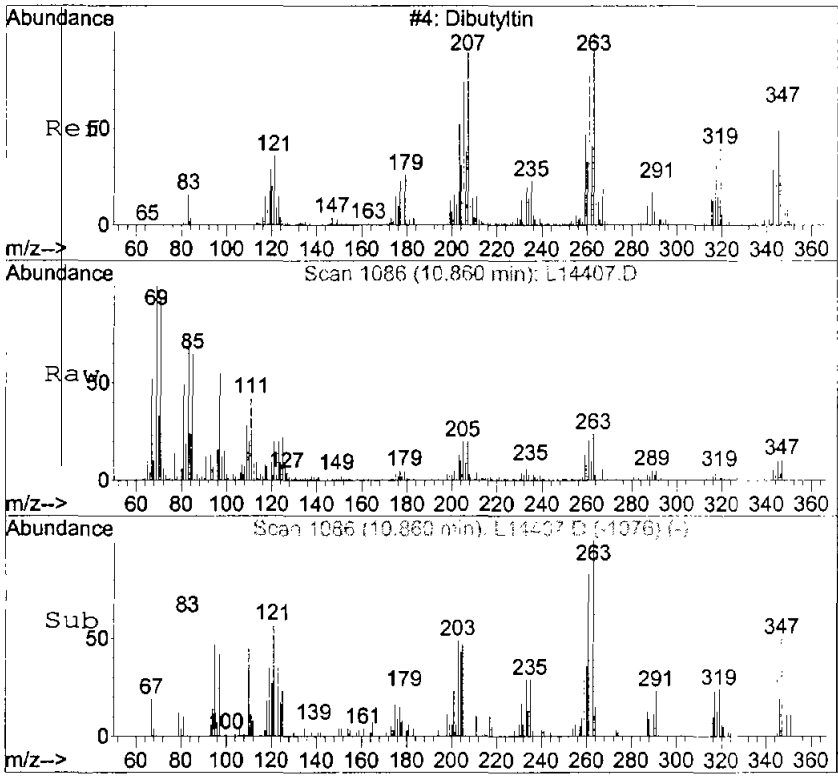


#2
Tripentyltin (S)
Concen: 67.88 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. -0.00 min
Lab File: L14407.D
Acq: 24 Nov 2004 19:10

Tgt Ion:347 Resp: 92251

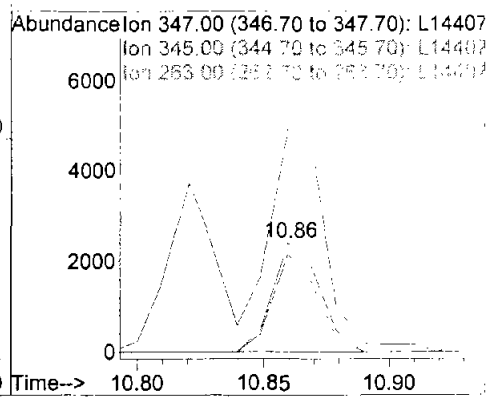
Ion	Ratio	Lower	Upper
347	100		
263	52.4	17.0	68.0
193	23.6	10.1	30.3
333	12.9	6.3	18.9

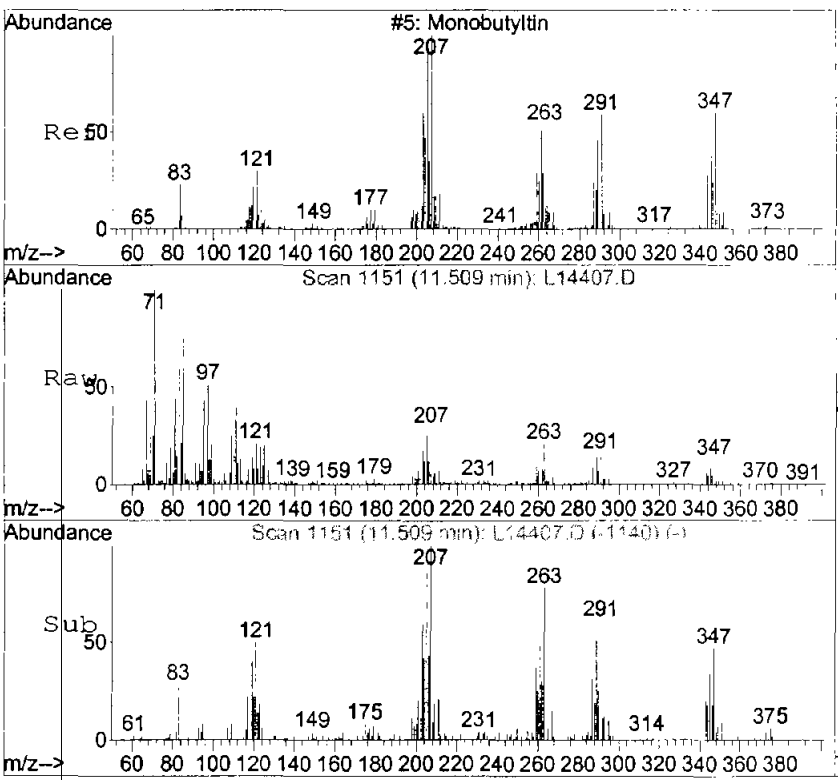




#5
Dibutyltin
Concen: 3.82 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.00 min
Lab File: L14407.D
Acq: 24 Nov 2004 19:10

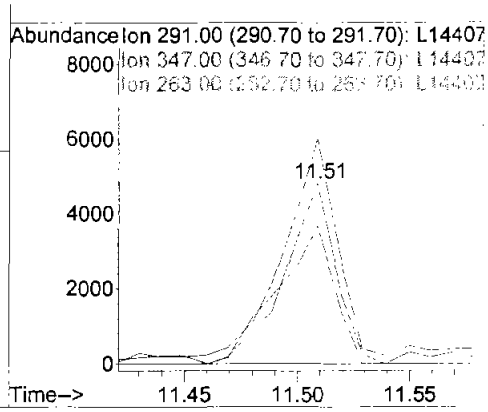
Tgt Ion:347	Resp:	10752
Ion	Ratio	Lower	Upper
347	100		
345	24.7	20.9	38.7
263	70.6	42.9	79.7





#6
Monobutyltin
Concen: 7.36 PG/UL
RT: 11.51 min Scan# 1151
Delta R.T. 0.01 min
Lab File: L14407.D
Acq: 24 Nov 2004 19:10

Tgt Ion:291	Resp:	23533
Ion	Ratio	Lower	Upper
291	100		
347	27.5	22.8	42.4
263	40.8	22.7	42.3



INITIAL CALIBRATION

00680

Response Factor Report

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration

Calibration Files
200 =L14392.D 100 =L14393.D 50 =L14394.D
10 =L14395.D 5 =L14396.D 1 =L14397.D

		Compound	200	100	50	10	5	1	Avg	%RSD
1)	I	Phenanthrene D10 (I)	----------ISTD----------							
2)	S	Tripentyltin (S	1.036	1.192	1.106	1.049	1.154	1.008	1.091	6.62
3)	T	Tetrabutyltin	0.889	0.977	1.037	0.948	1.015	0.969	0.973	5.35
4)	T	Tributyltin	1.652	1.734	1.807	1.550	1.933	1.494	1.695	9.66
5)	T	Dibutyltin	1.928	2.328	2.391	2.369	2.355	2.200	2.262	7.81
6)	T	Monobutyltin	2.312	2.624	2.754	2.654	2.779	2.275	2.566	8.55

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 :

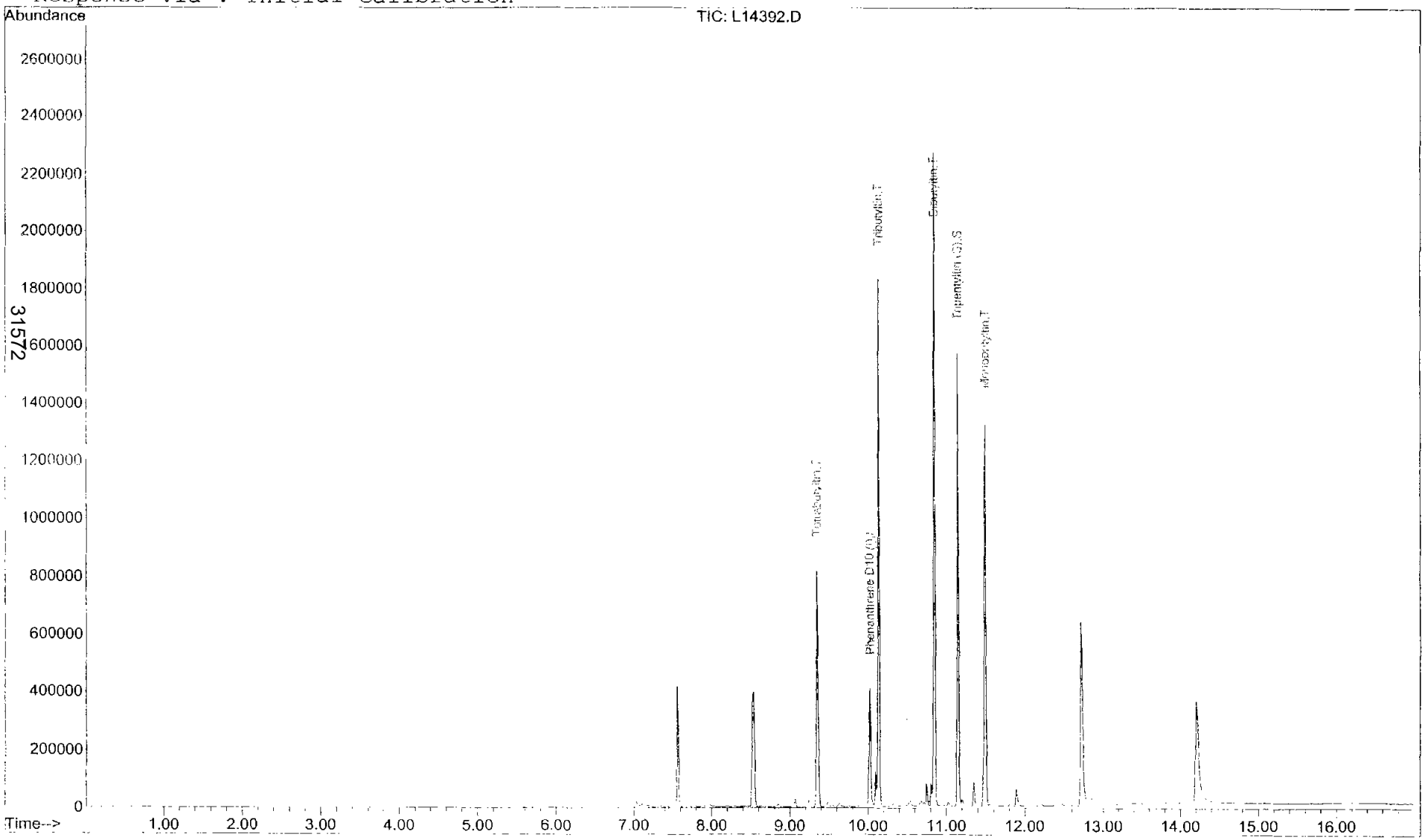
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	127423+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	209953+	159.00	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	226578+	200.00	PG/UL	98
4) Tributyltin	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

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

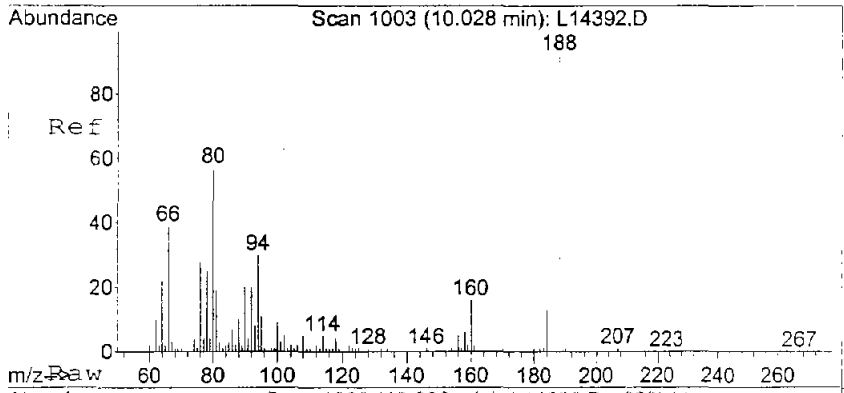
Quantitation Report (Not Reviewed)

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



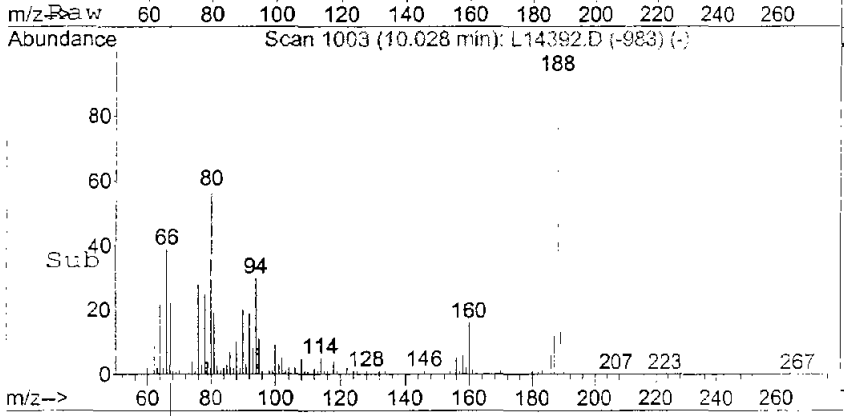
£8900

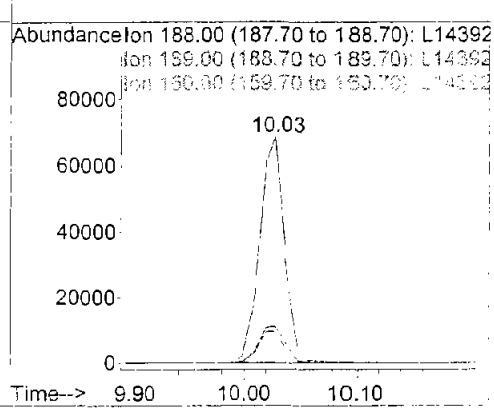


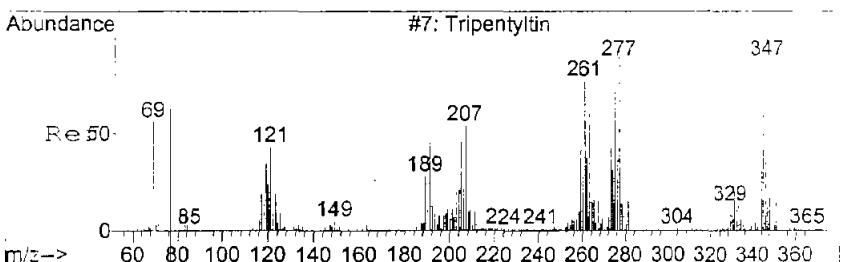
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

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



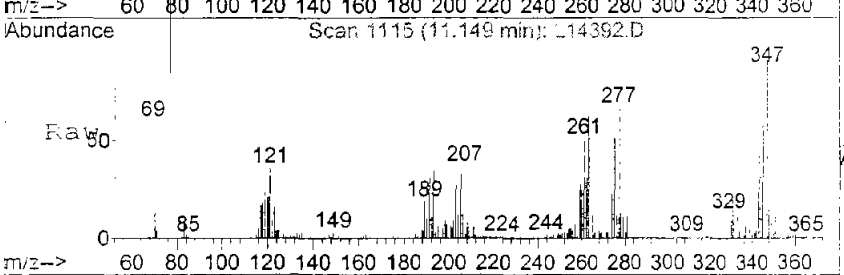


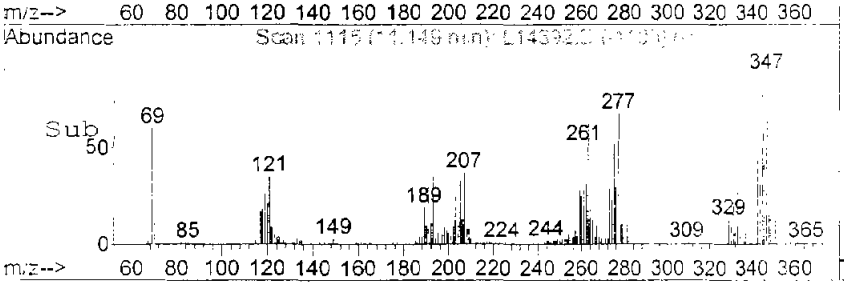


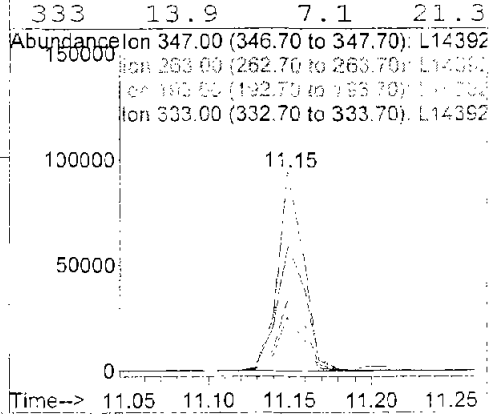
#2
Tripentyltin (S)
Concen: 159.00 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

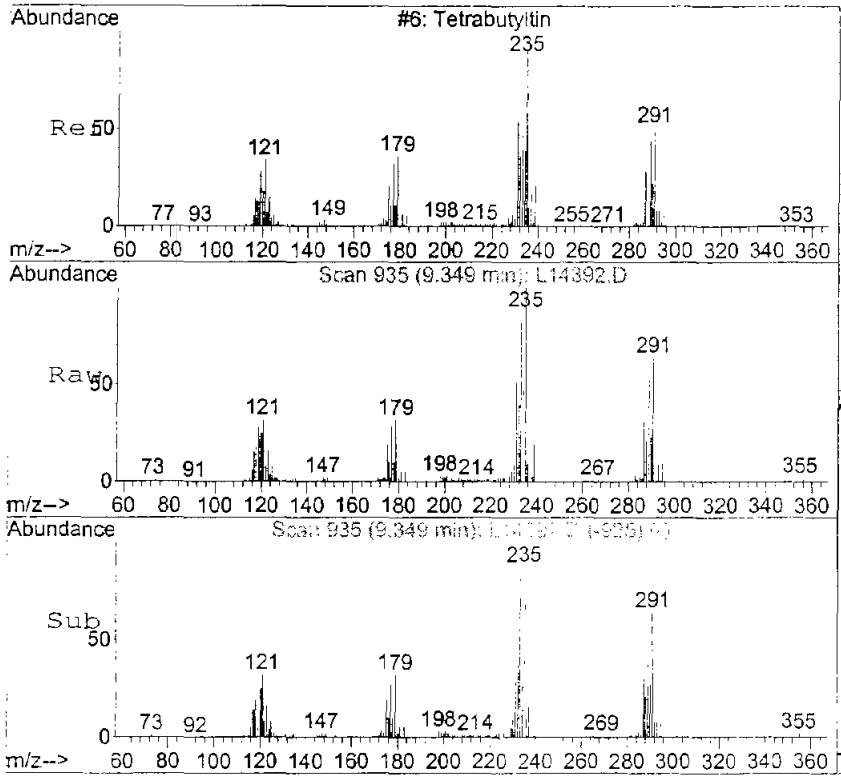
Tgt Ion:347 Resp: 209953

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





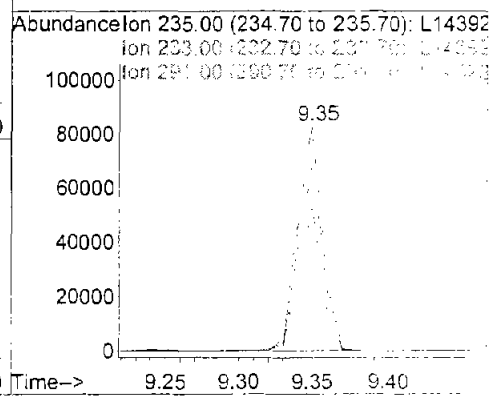


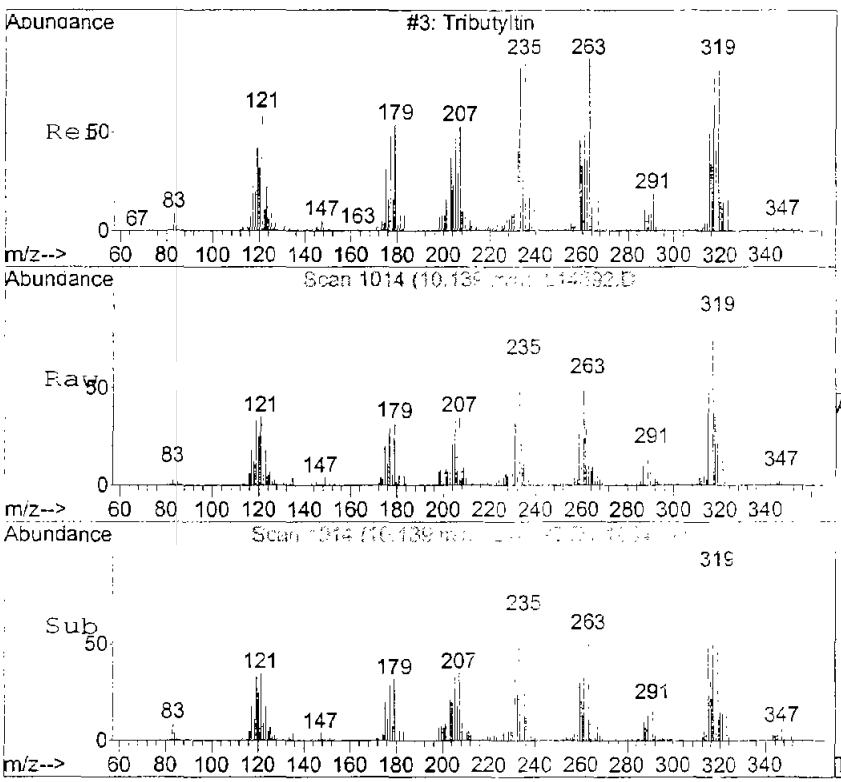


#3
Tetrabutyltin
Concen: 200.00 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

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

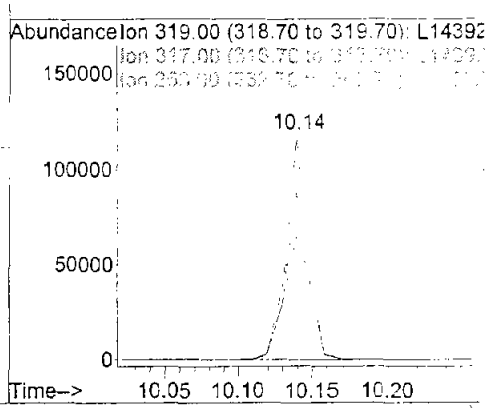


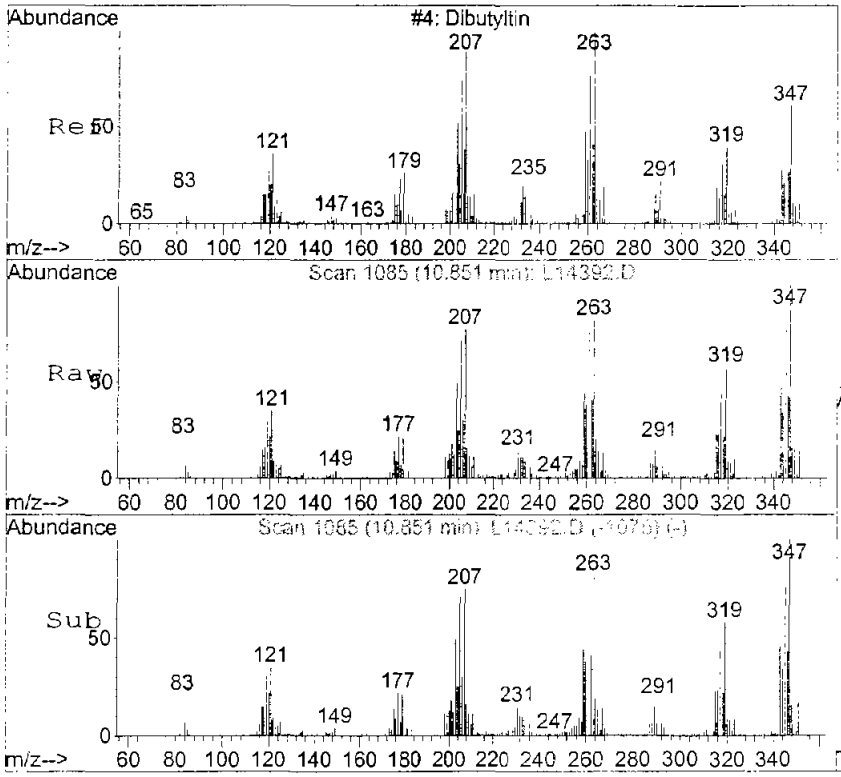


#4
Tributyltin
Concen: 146.60 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

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

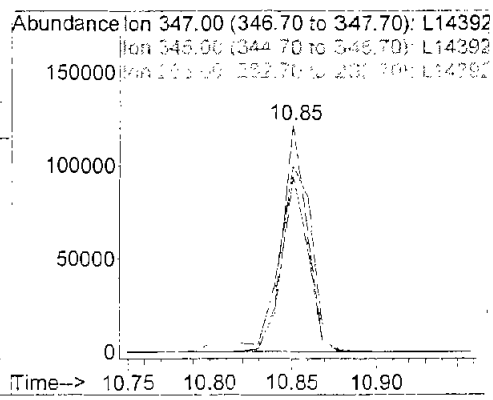


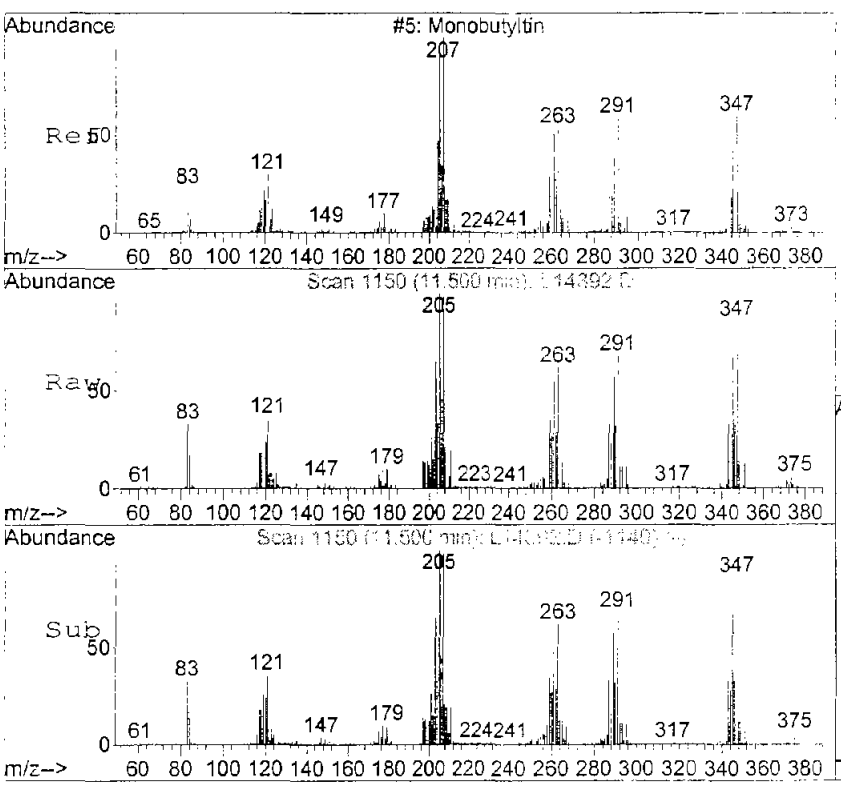


#5
Dibutyltin
Concen: 115.40 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

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

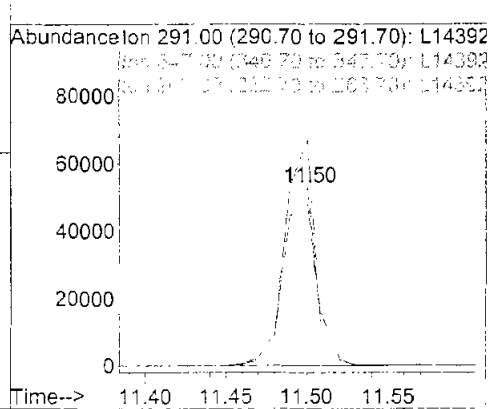




#6
Monobutyltin
Concen: 81.40 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. 0.00 min
Lab File: L14392.D
Acq: 24 Nov 2004 11:53

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

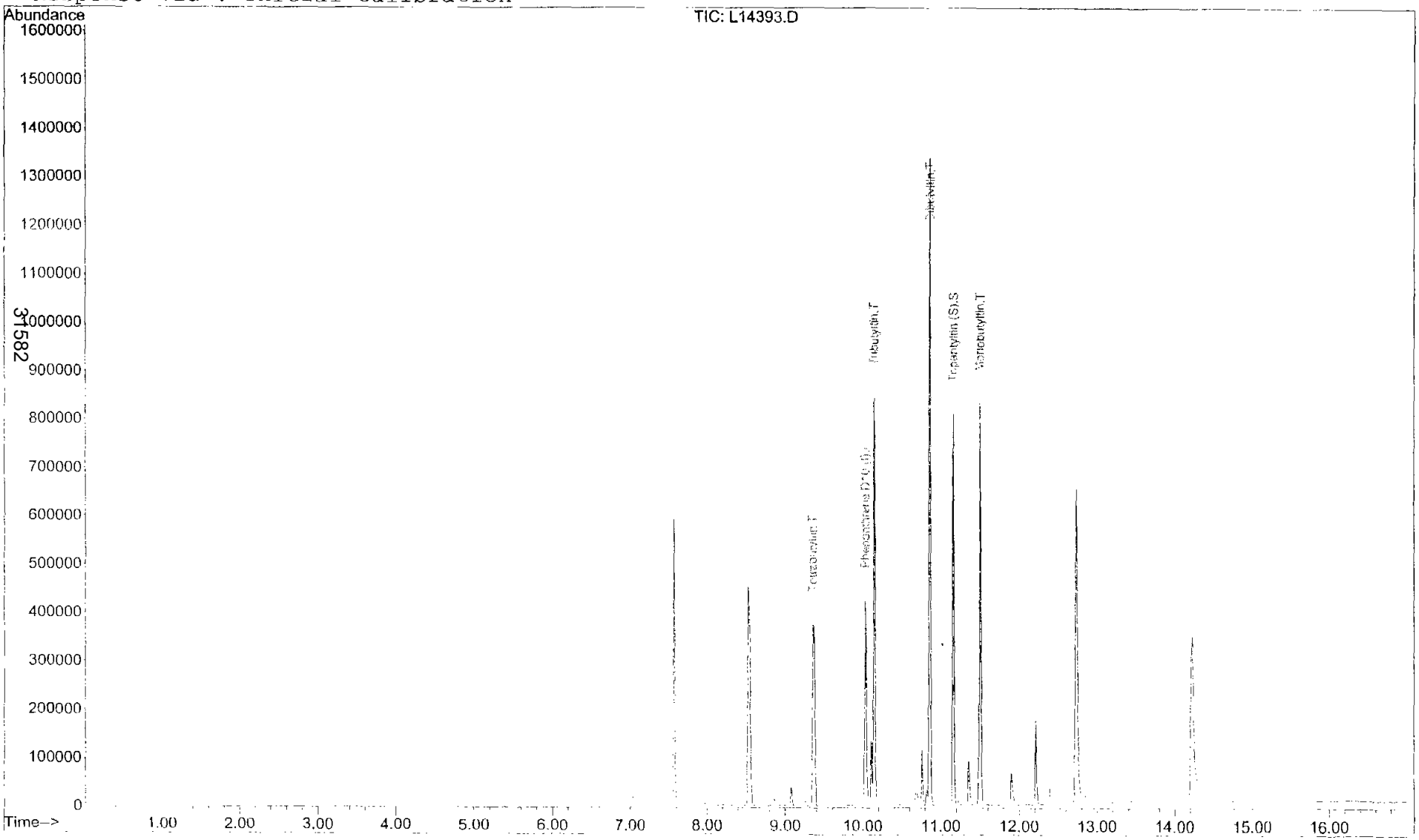
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 13:58:31 2004
Response via : Initial Calibration
DataAcq Meth :

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

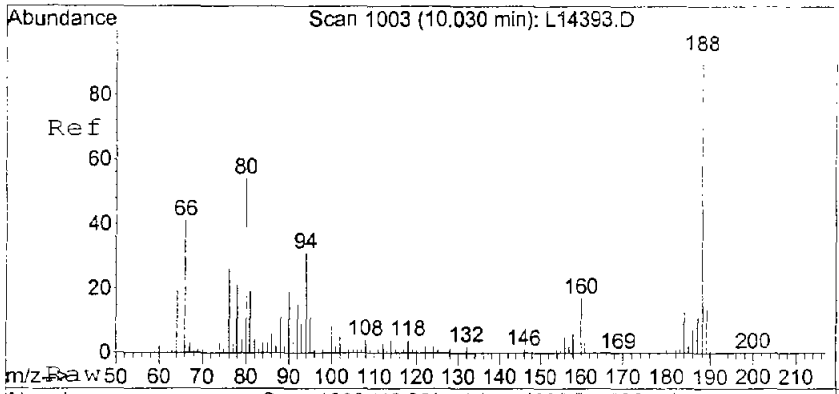
Quantitation Report (Not Reviewed)

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 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



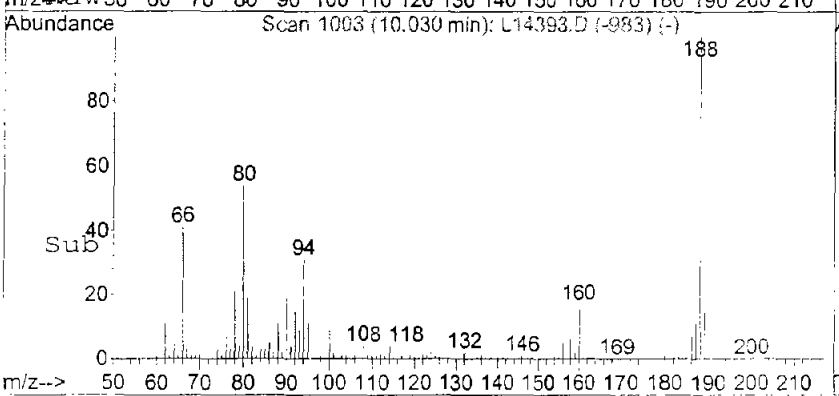
3T582

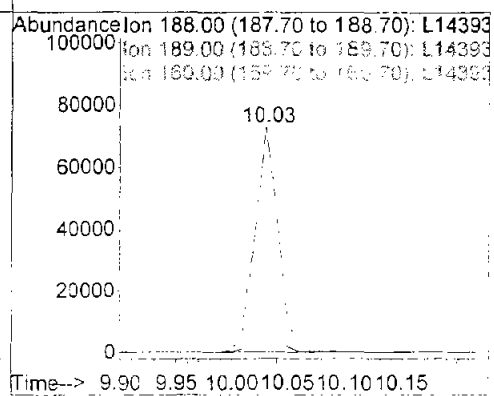


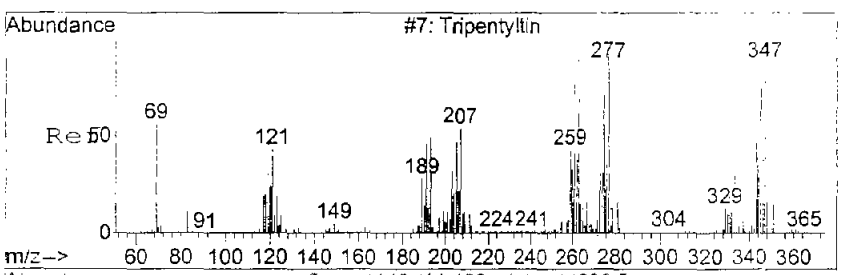
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. 0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

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



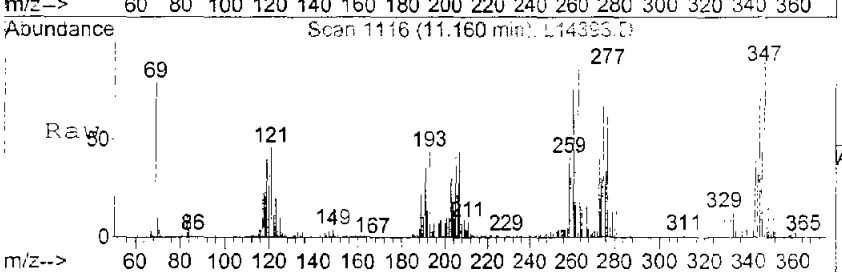


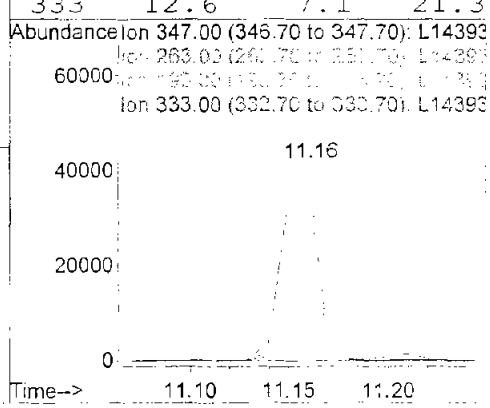


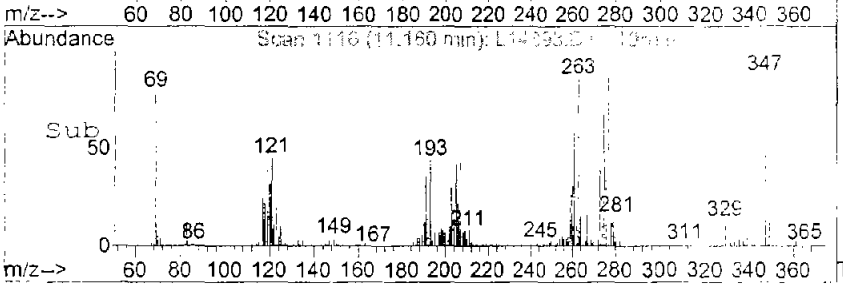
#2
Tripentyltin (S)
Concen: 91.43 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. 0.01 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

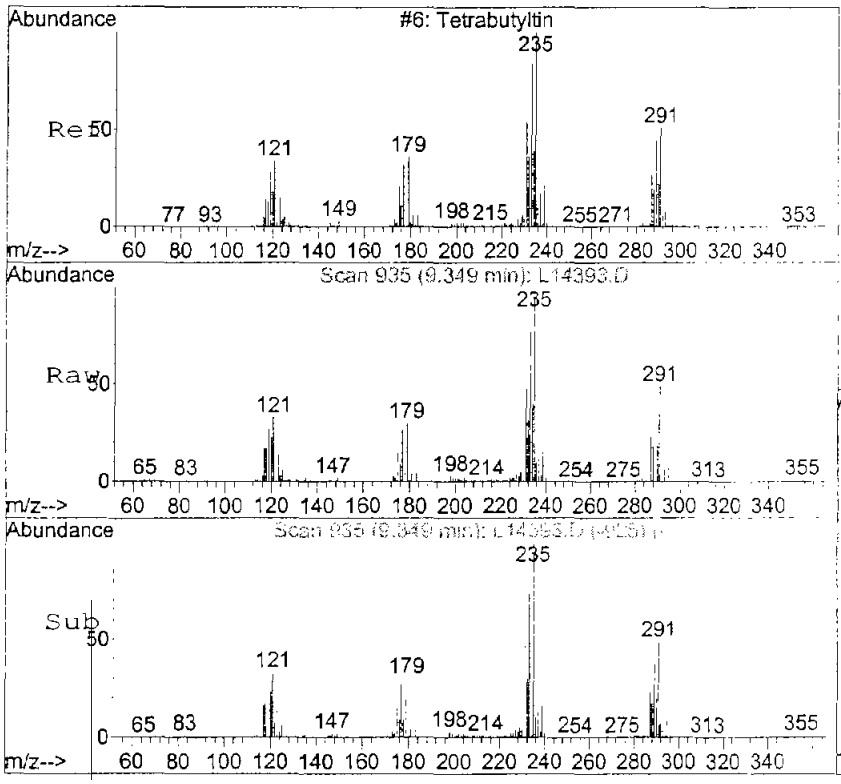
Tgt Ion:347 Resp: 117104

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



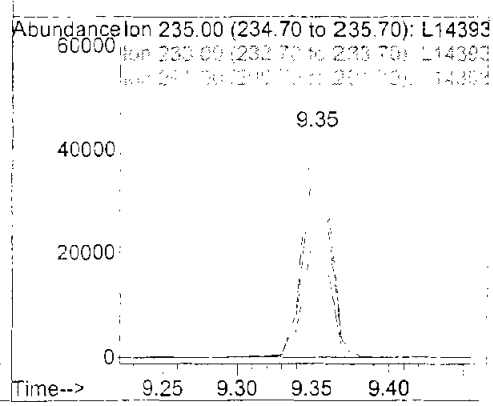


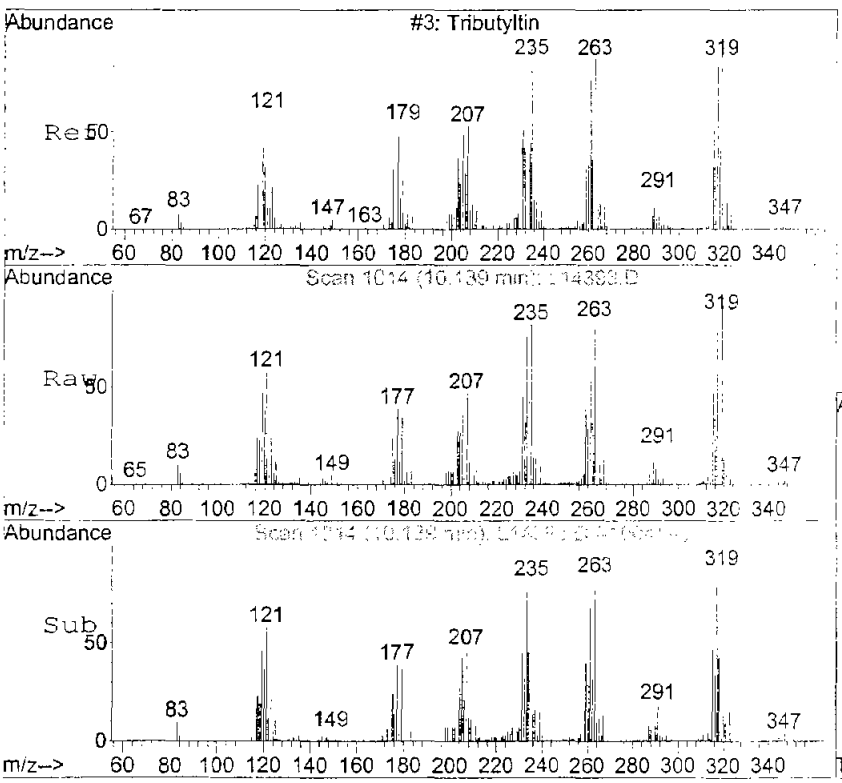




#3
Tetrabutyltin
Concen: 109.94 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

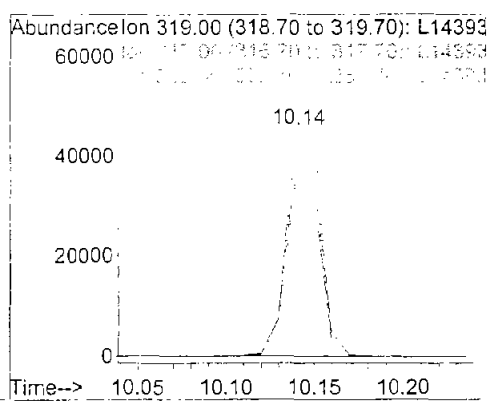
Tgt Ion:235	Resp:	120801
Ion	Ratio	Lower	Upper
235	100		
233	35.0	23.4	43.4
291	22.3	18.2	33.8

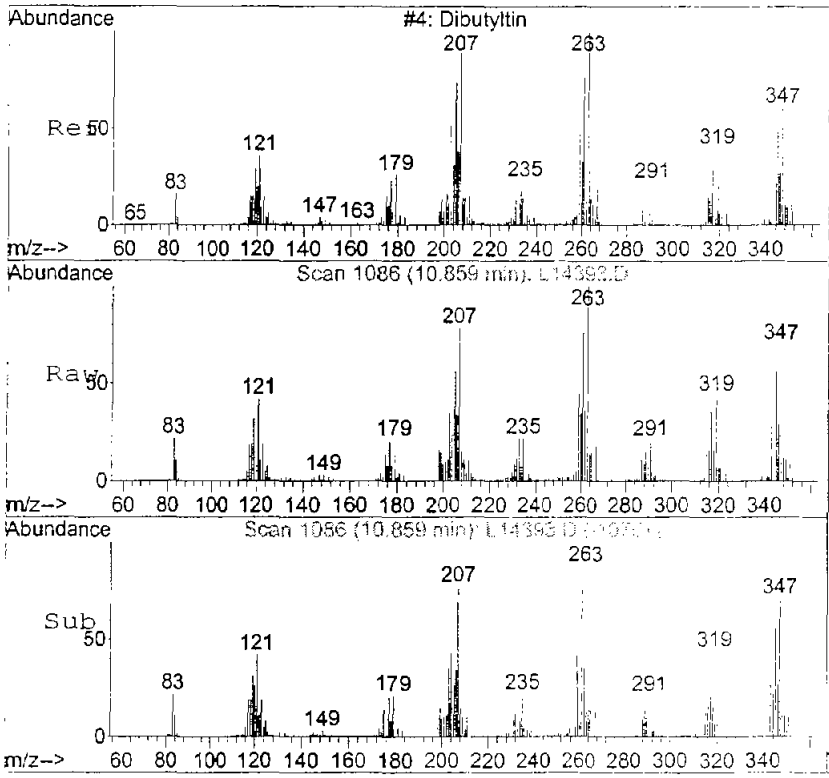




#4
Tributyltin
Concen: 76.95 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

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#

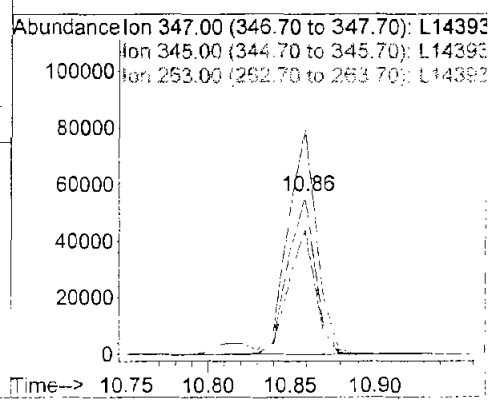


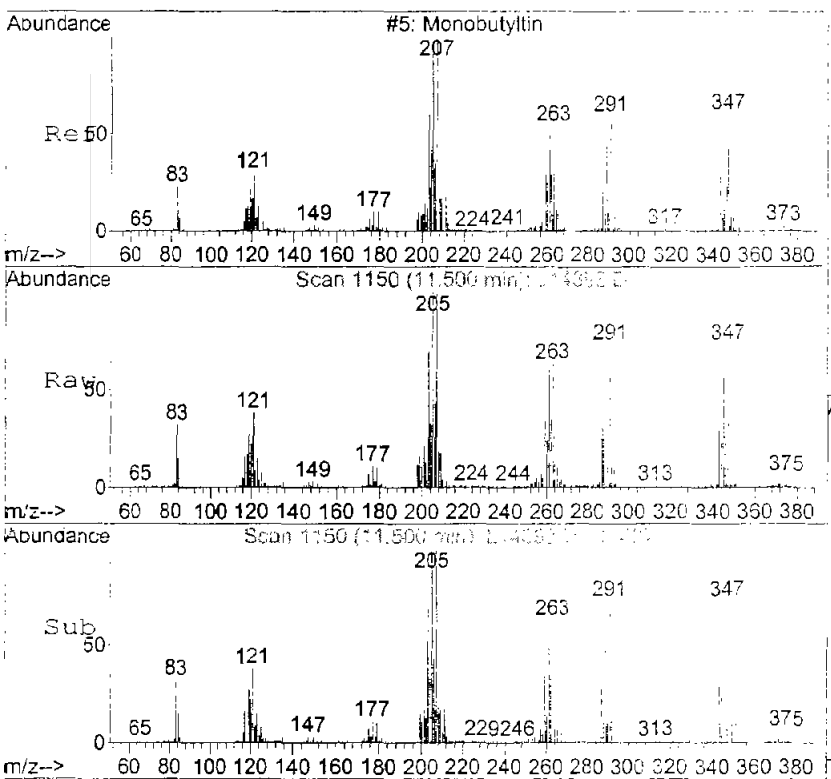


#5
Dibutyltin
Concen: 69.67 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.01 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

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#

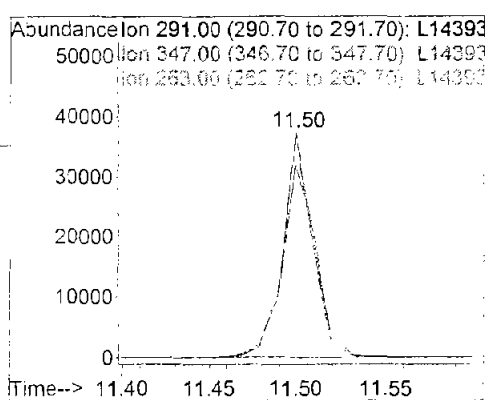




#6
Monobutyltin
Concen: 46.20 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. -0.00 min
Lab File: L14393.D
Acq: 24 Nov 2004 12:17

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



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

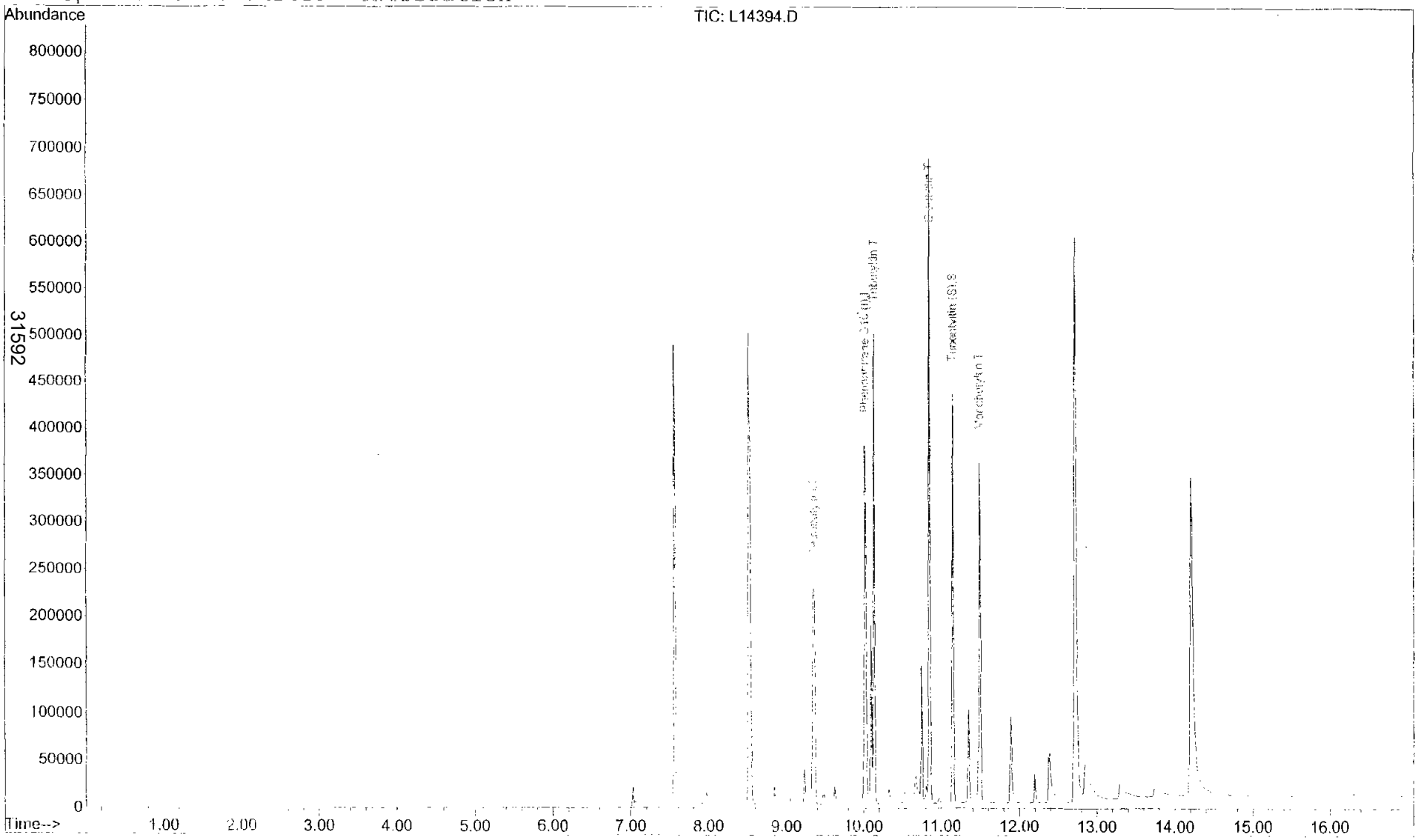
(#) = qualifier out of range (m) = manual integration (+) = signals summed

31590
006692

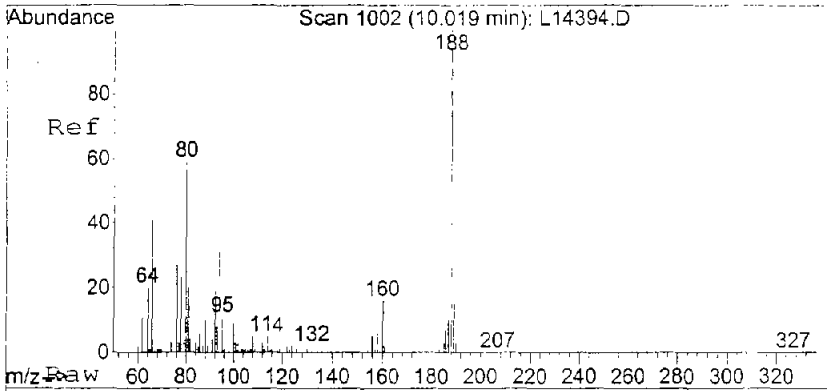
Quantitation Report (Not Reviewed)

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



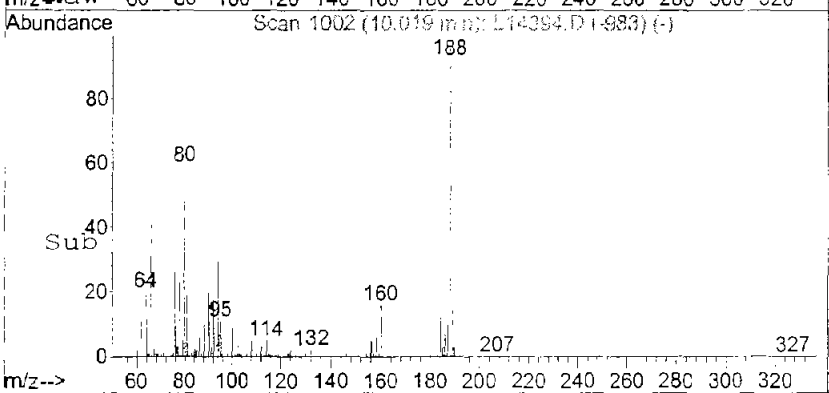
£6900

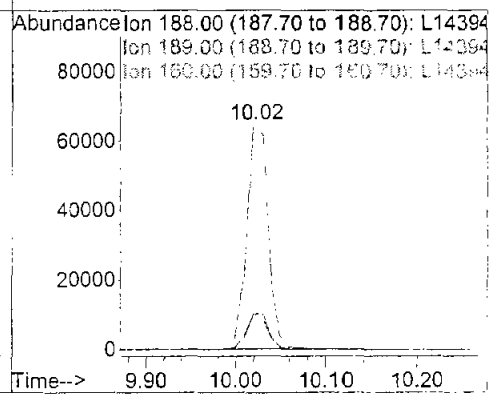


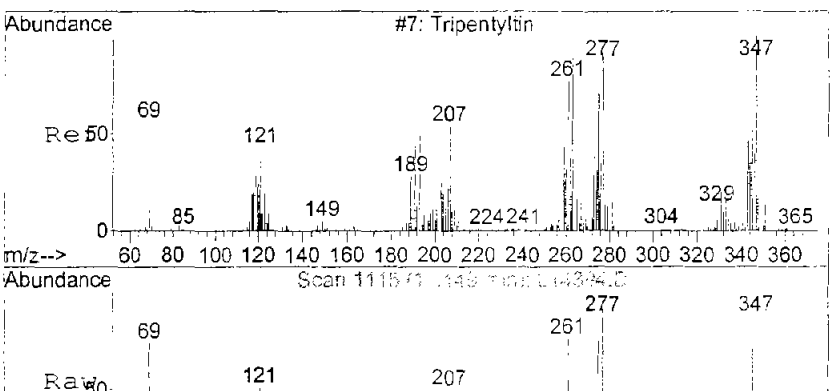
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.02 min Scan# 1002
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

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



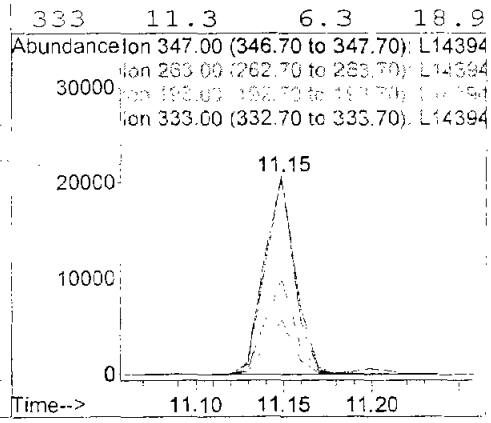


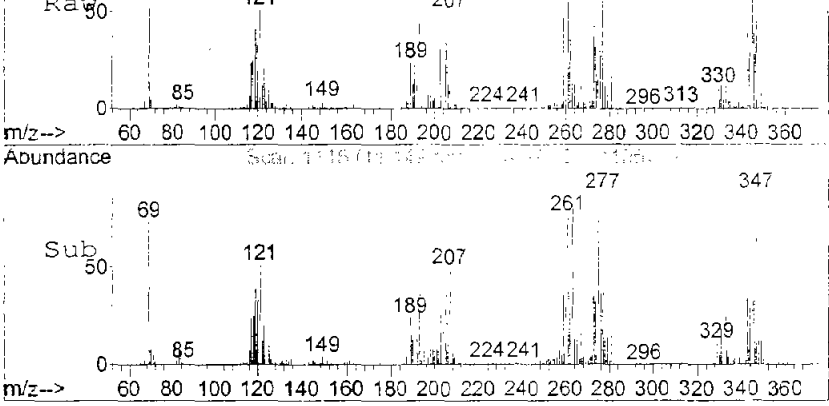


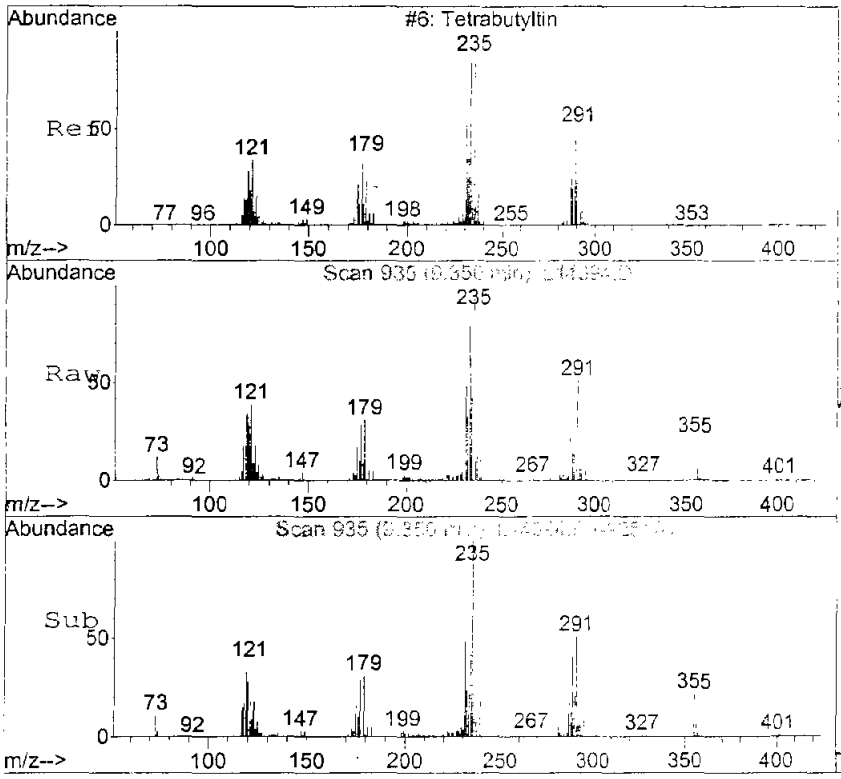
#2
Tripentyltin (S)
Concen: 39.48 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

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



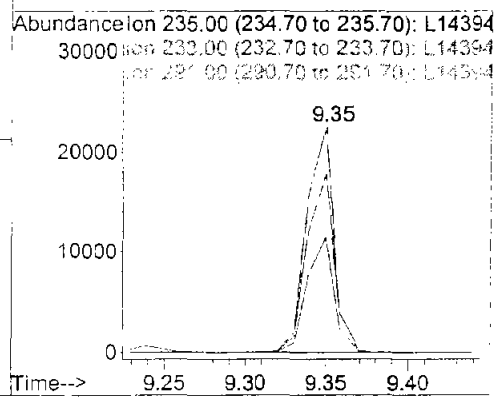


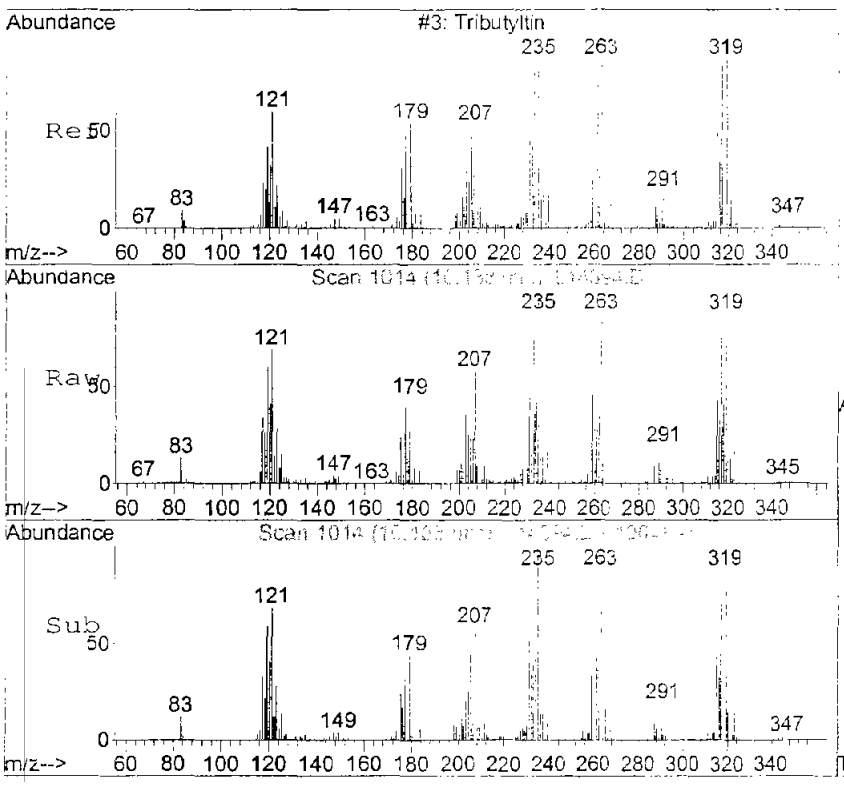


#3
Tetrabutyltin
Concen: 55.56 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

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

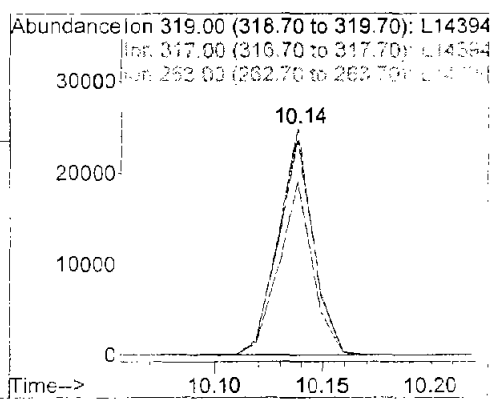


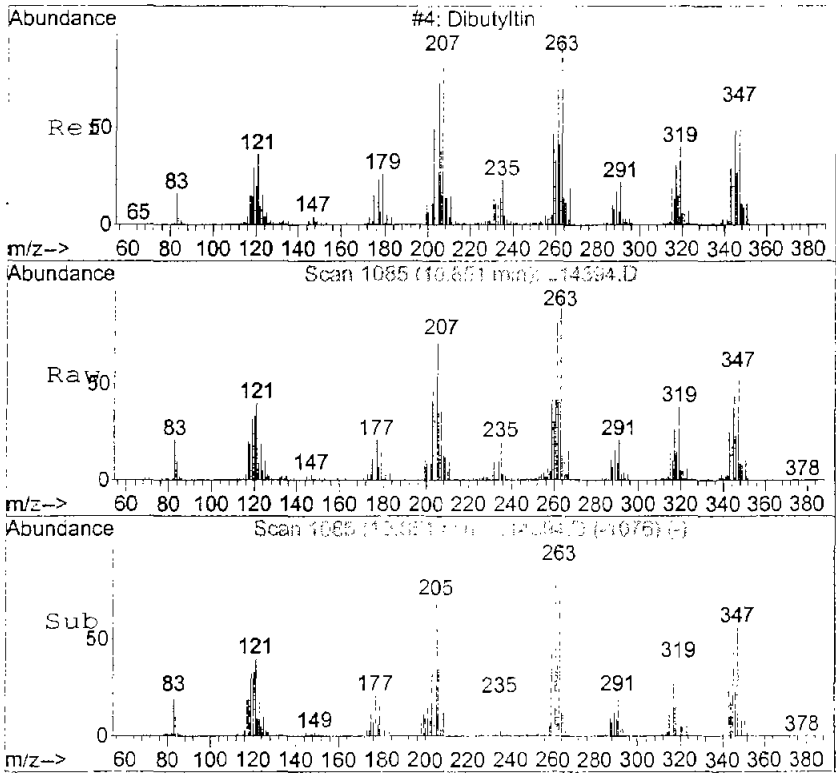


#4
Tributyltin
Concen: 39.11 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. -0.00 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

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

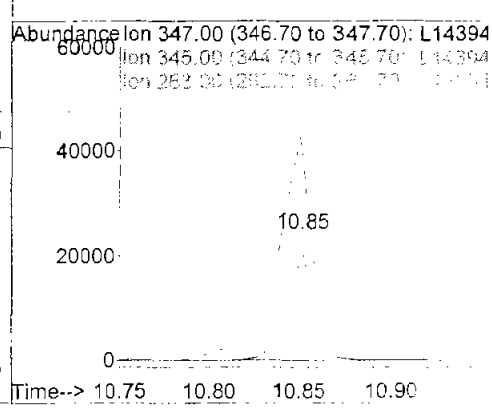


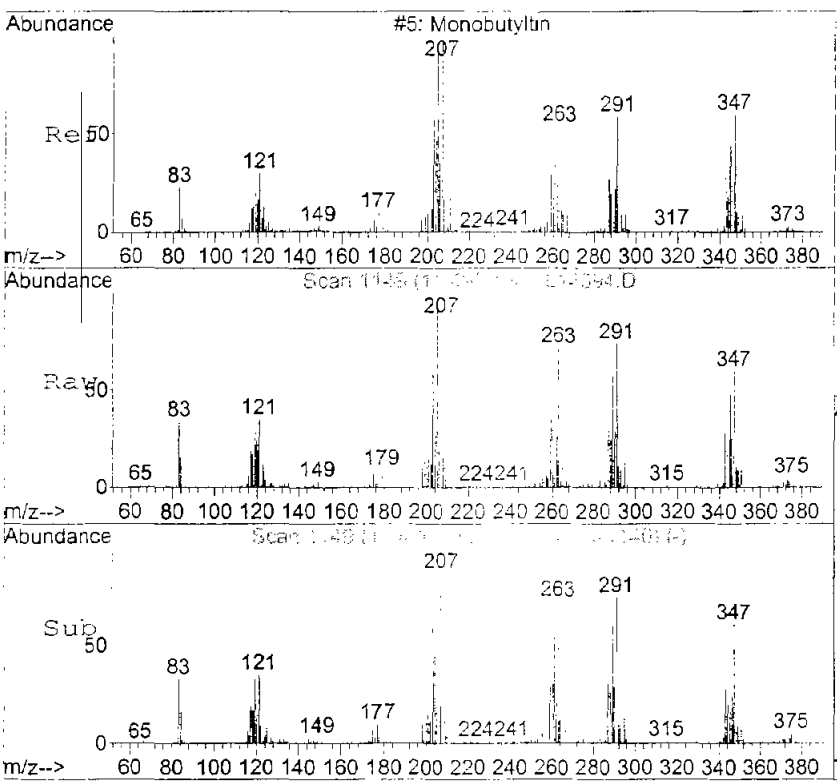


#5
Dibutyltin
Concen: 32.41 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

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

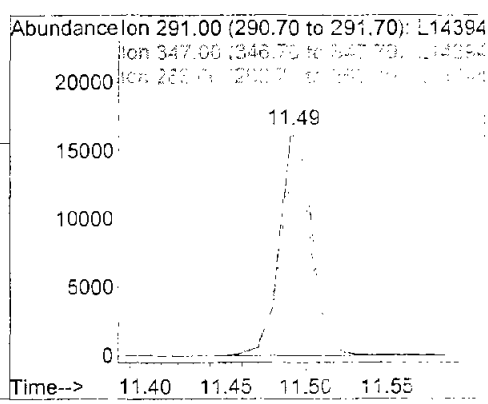




#6
Monobutyltin
Concen: 22.71 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14394.D
Acq: 24 Nov 2004 12:41

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



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

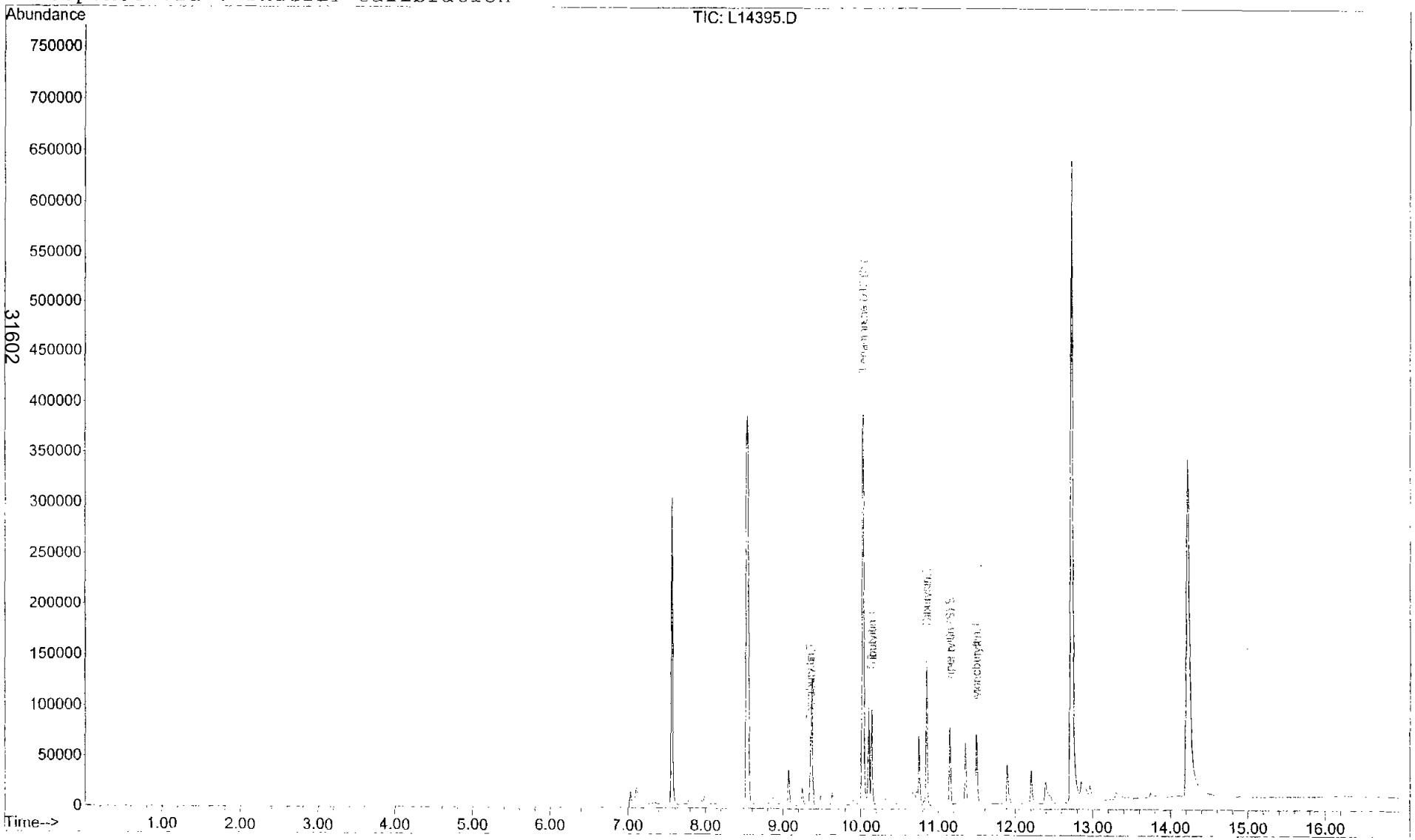
31600
00697

Data File : T:\DATA\11292004\L14395.D
Acq On : 24 Nov 2004 13:05
Sample : 10 PG/UL ORGTIN ICAL 979-33-3D
Misc :
MS Integration Params: rtoint.p
Quant Time: Nov 29 13:59 2004

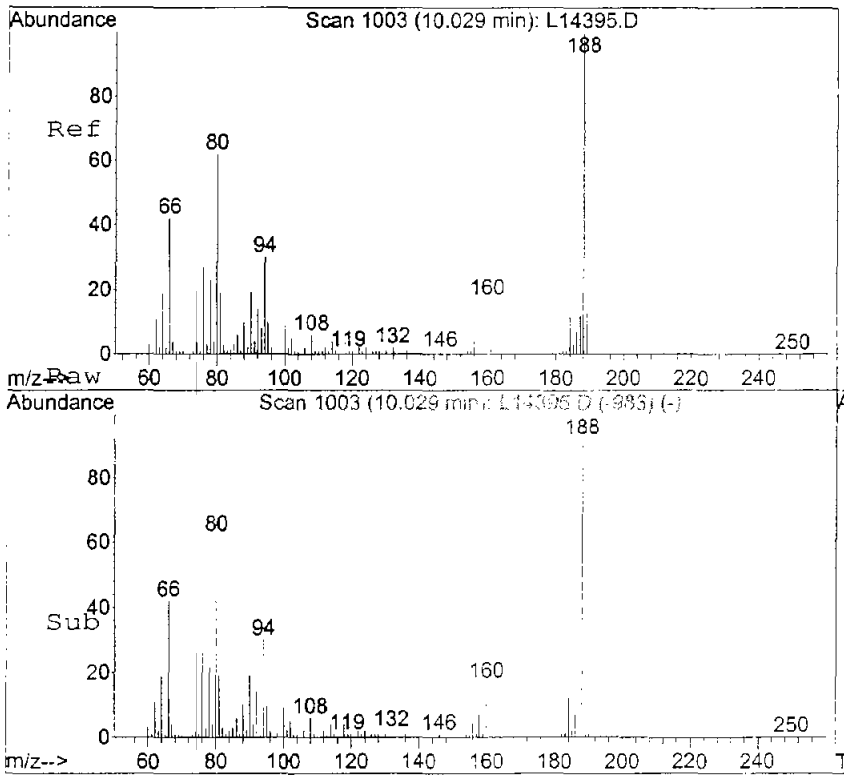
Vial: 0
Operator:
Inst :
Multipli: 1.00

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



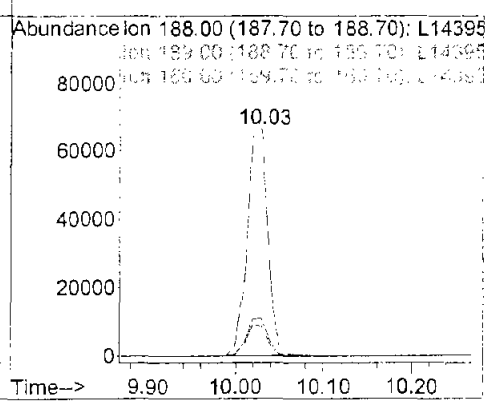
86900

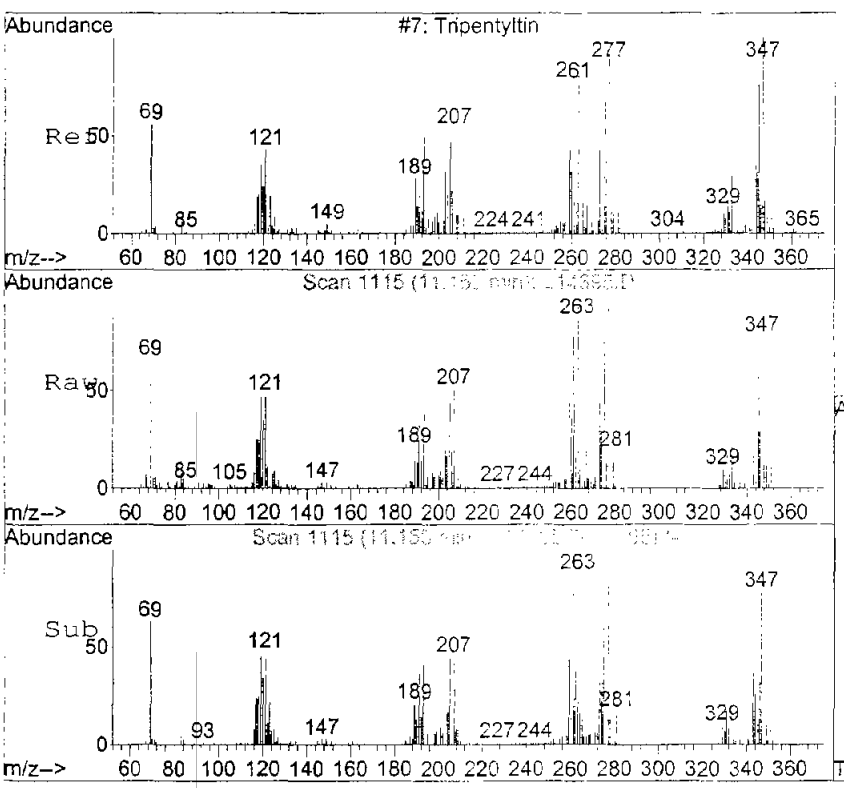


#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. -0.00 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

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

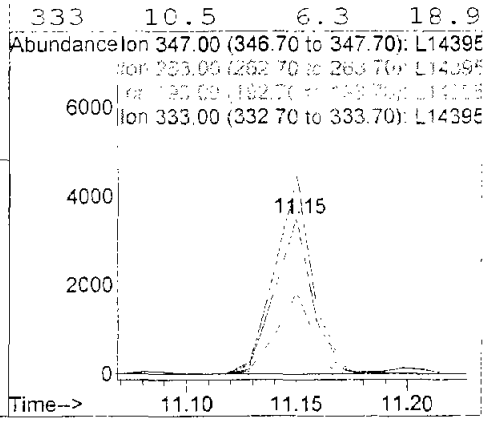


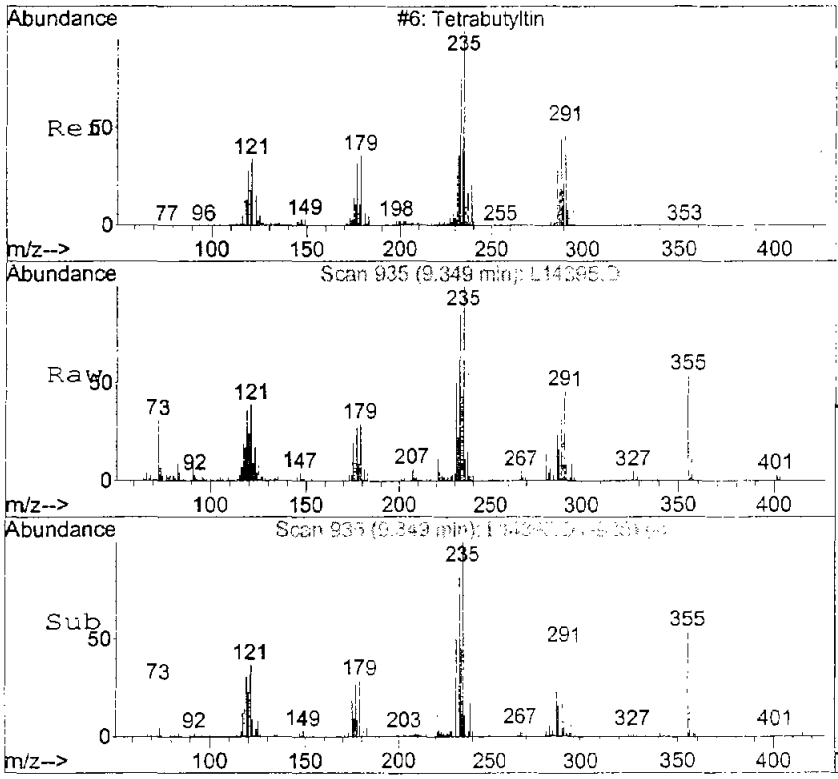


#2
Tripentyltin (S)
Concen: 7.50 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

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

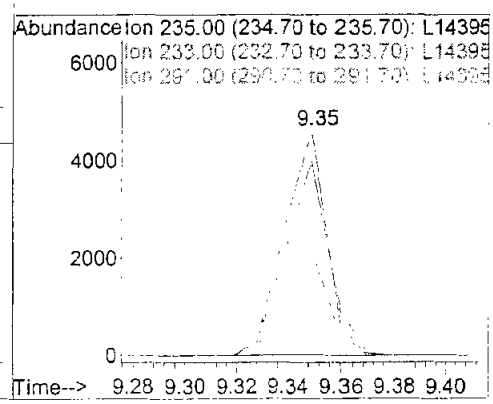


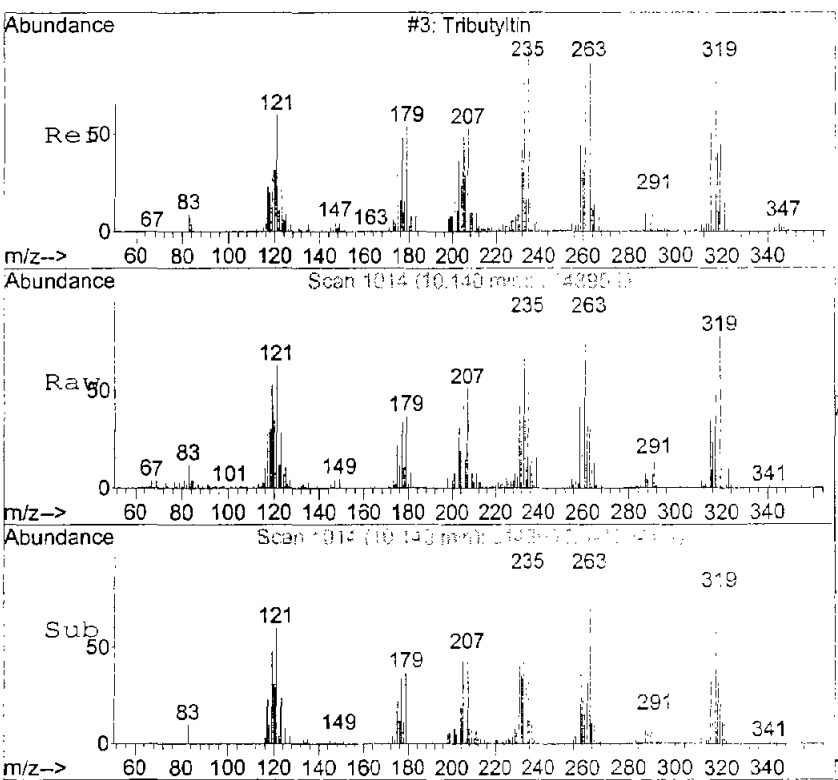


#3
Tetrabutyltin
Concen: 9.80 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

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

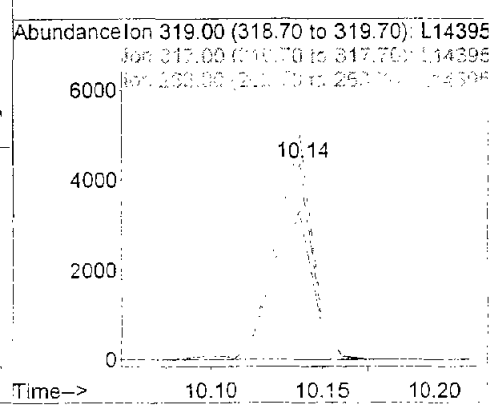


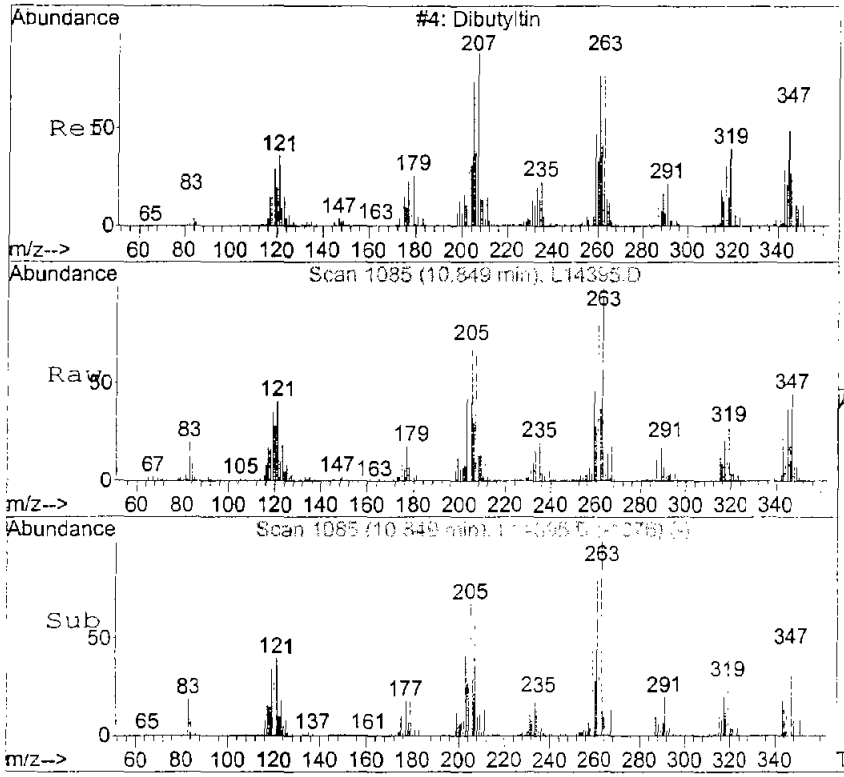


#4
Tributyltin
Concen: 6.56 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

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

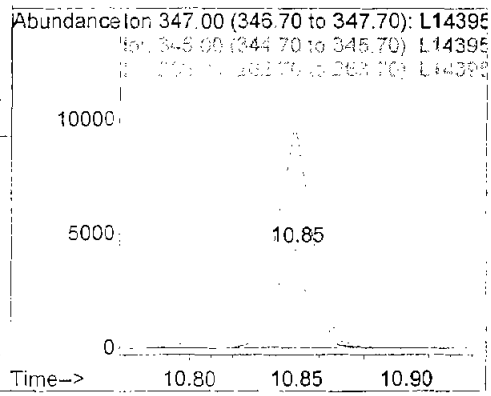


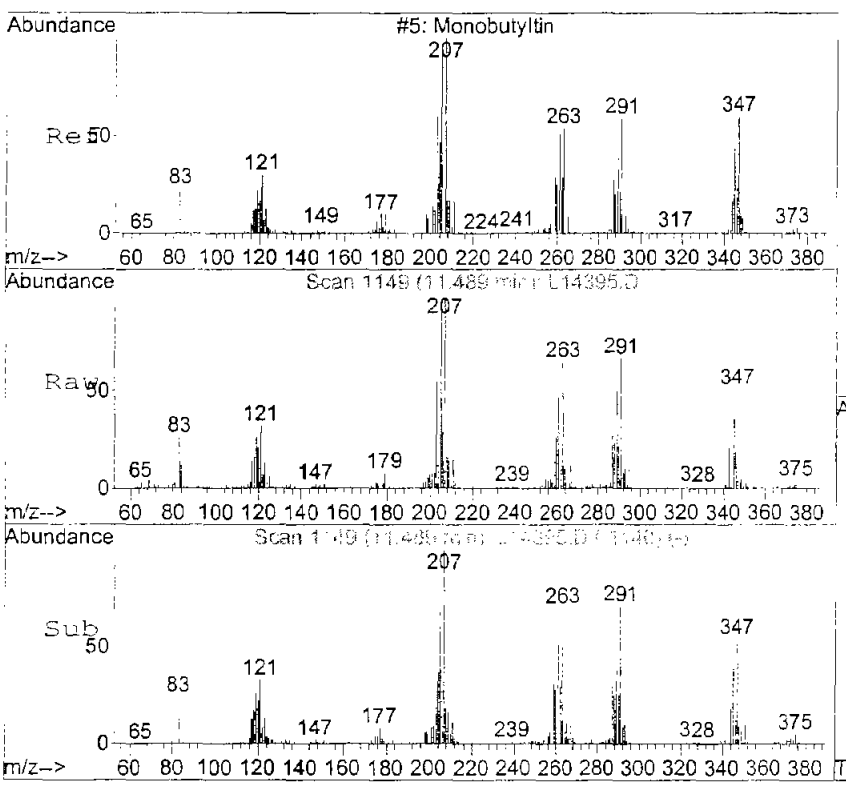


#5
Dibutyltin
Concen: 6.17 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. -0.01 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

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

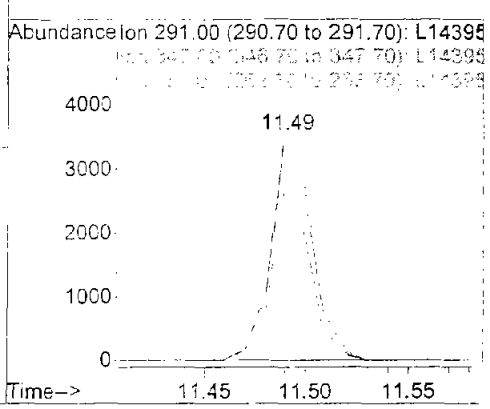




#6
Monobutyltin
Concen: 4.21 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14395.D
Acq: 24 Nov 2004 13:05

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)

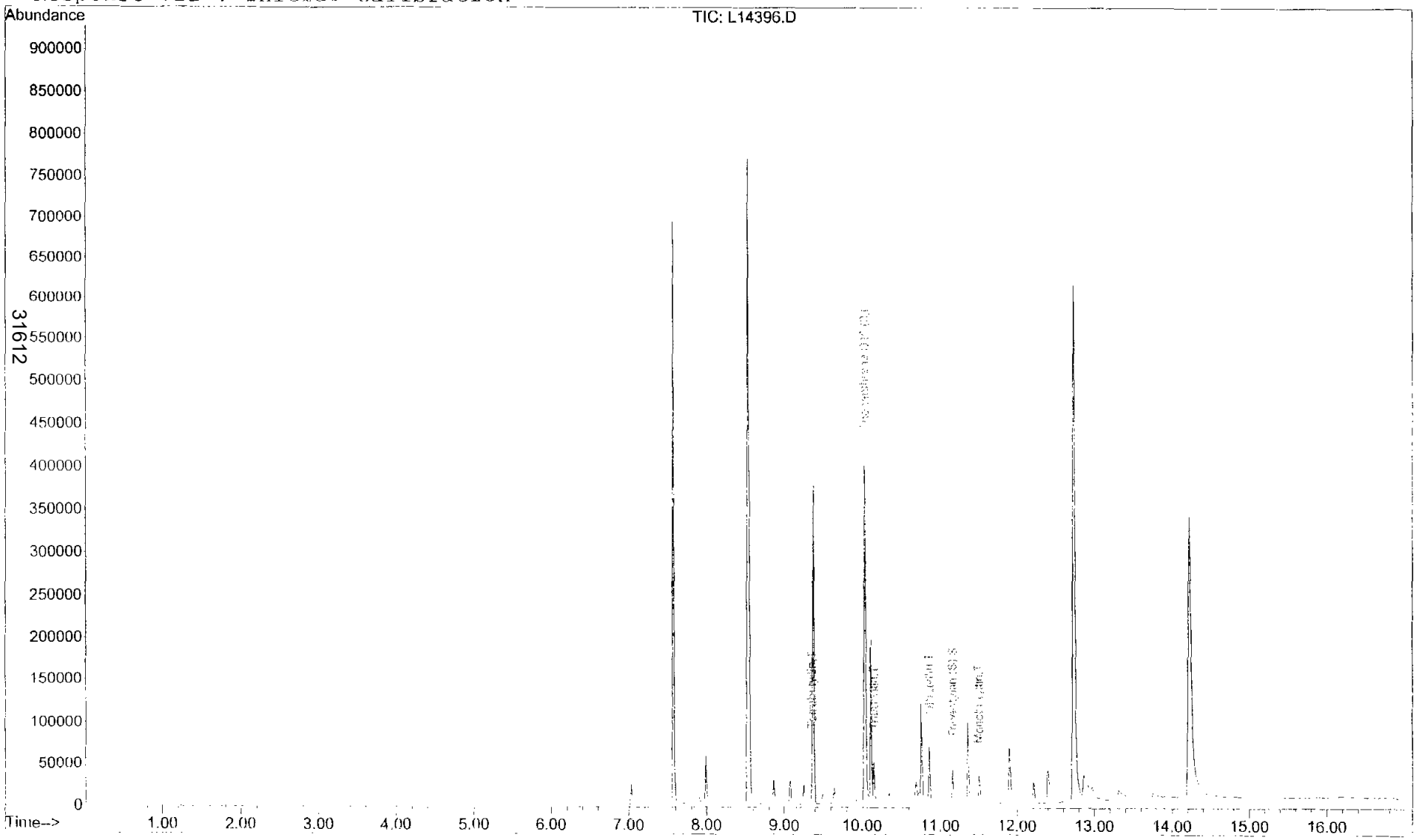
Data File : T:\DATA\11292004\L14396.D Vial: 0
Acq On : 24 Nov 2004 13:33 Operator:
Sample : 5.0 PG/UL ORGTIN ICAL 979-33-3E Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:00:02 2004 Quant Results File: ORGTIN112404.RES

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 :

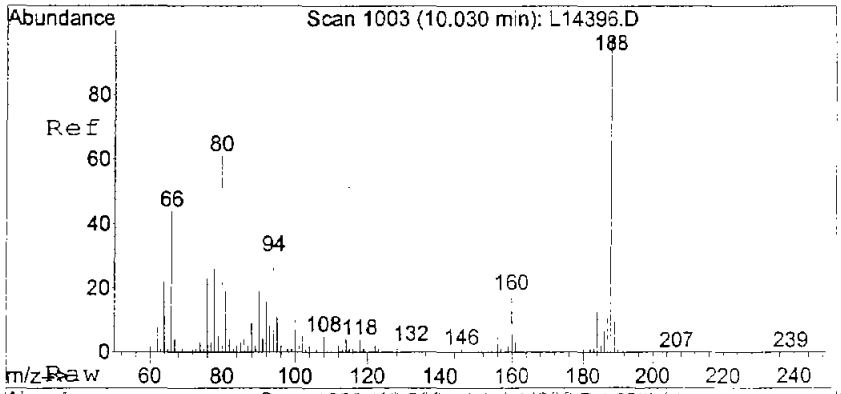
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	121297+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.16	347	5564+	4.19	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	6157+	5.27	PG/UL	96
4) Tributyltin	10.15	319	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

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 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



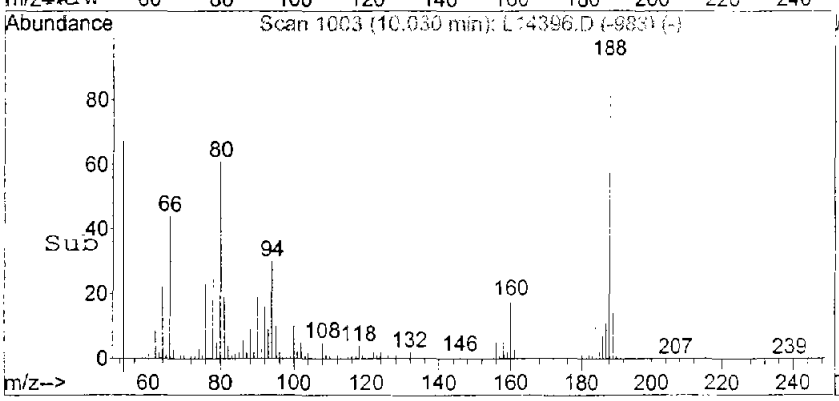
00200

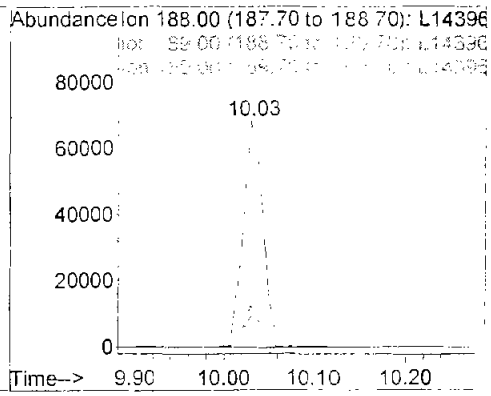


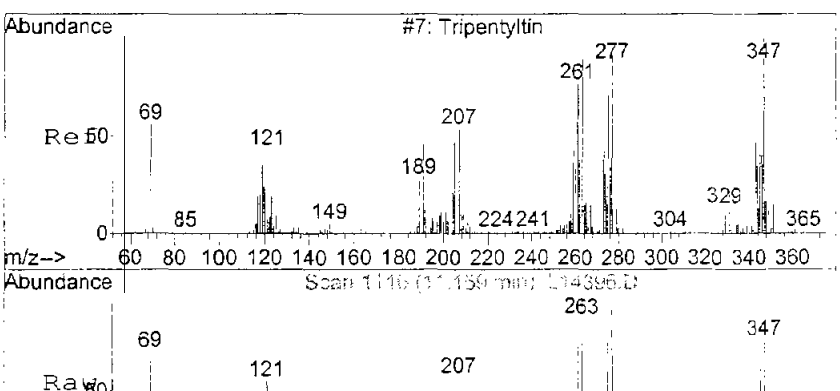
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. 0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

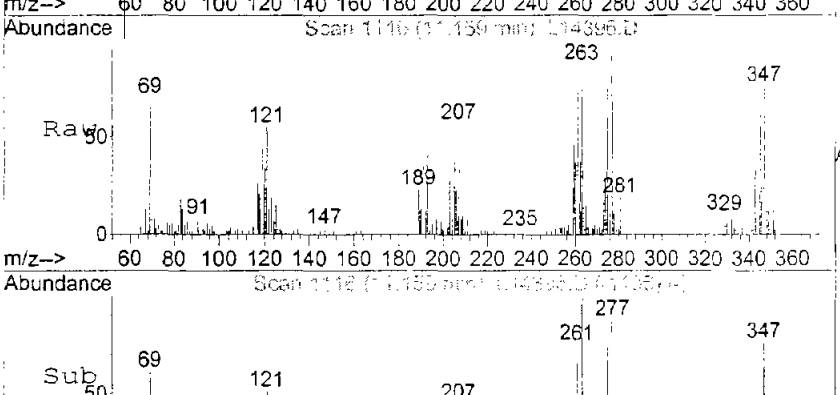
Tgt Ion:188 Resp: 121297

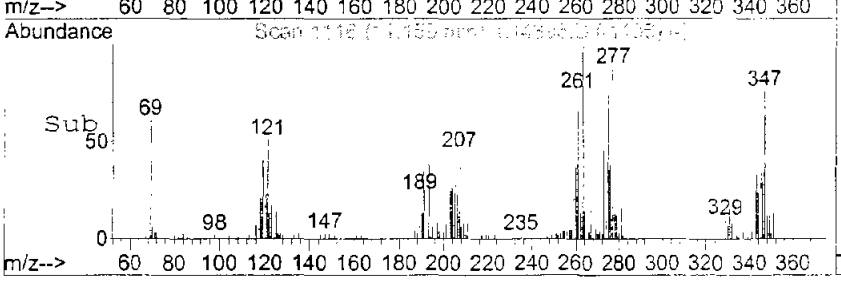
Ion	Ratio	Lower	Upper
188	100		
189	12.1	7.9	18.3
160	14.9	9.1	21.3







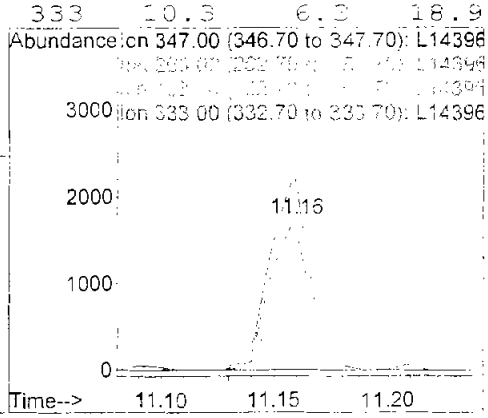


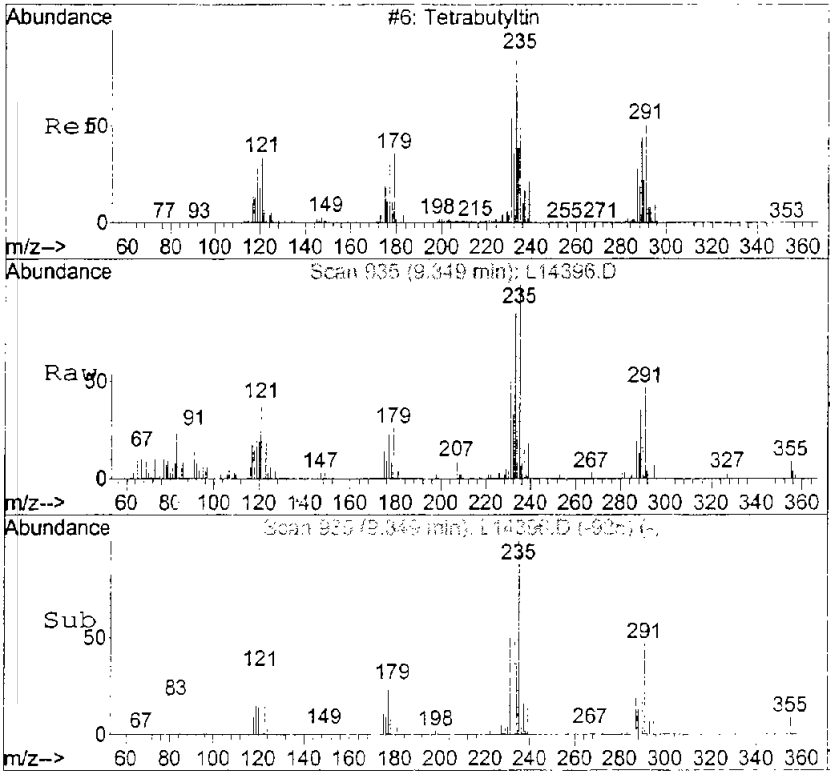


#2
Tripentyltin (S)
Concen: 4.19 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. -0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

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

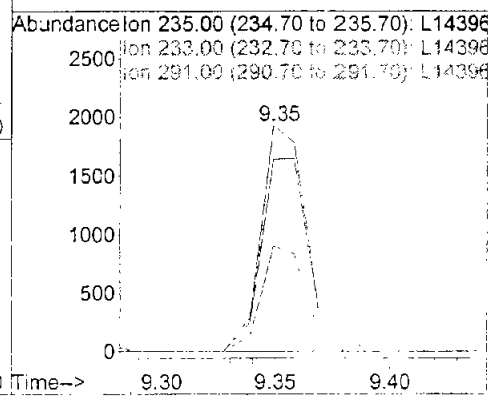


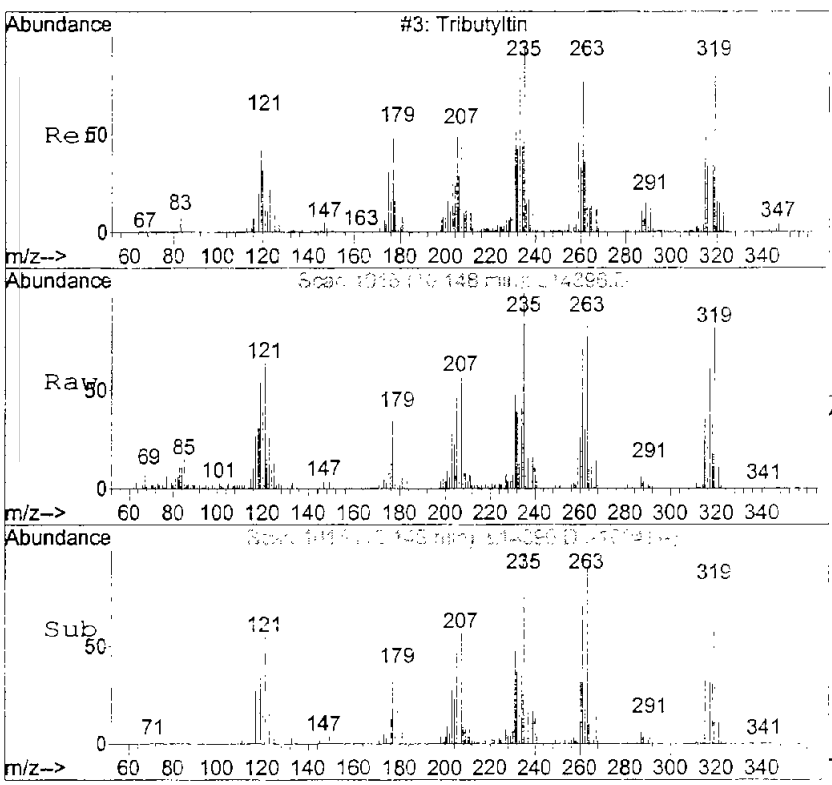


#3
Tetrabutyltin
Concen: 5.27 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

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

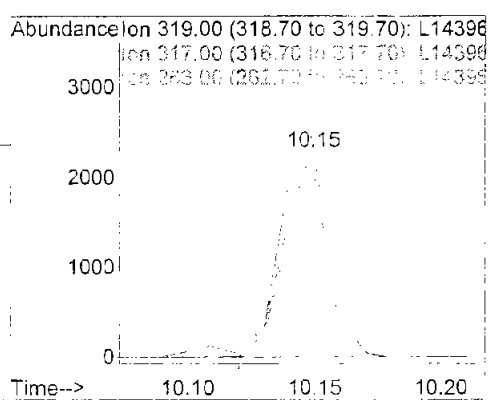


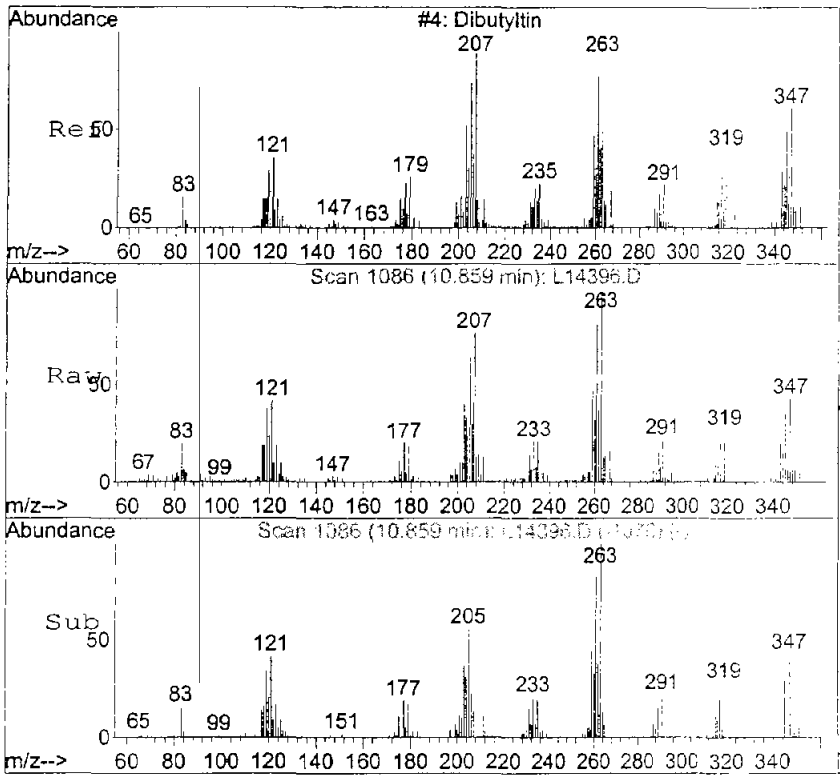


#4
Tributyltin
Concen: 4.20 PG/UL
RT: 10.15 min Scan# 1015
Delta R.T. 0.01 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

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

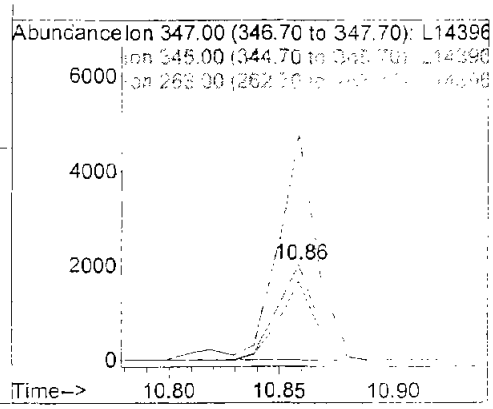


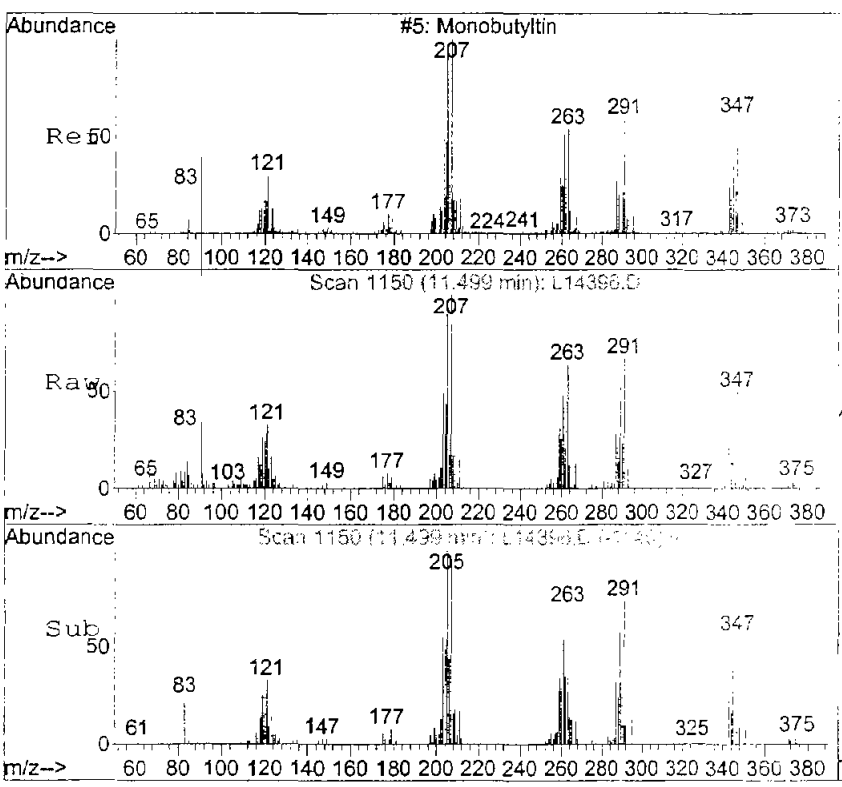


#5
Dibutyltin
Concen: 3.01 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

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

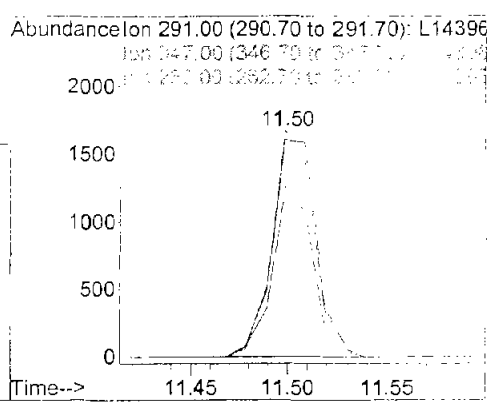




#6
Monobutyltin
Concen: 2.19 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. -0.00 min
Lab File: L14396.D
Acq: 24 Nov 2004 13:33

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

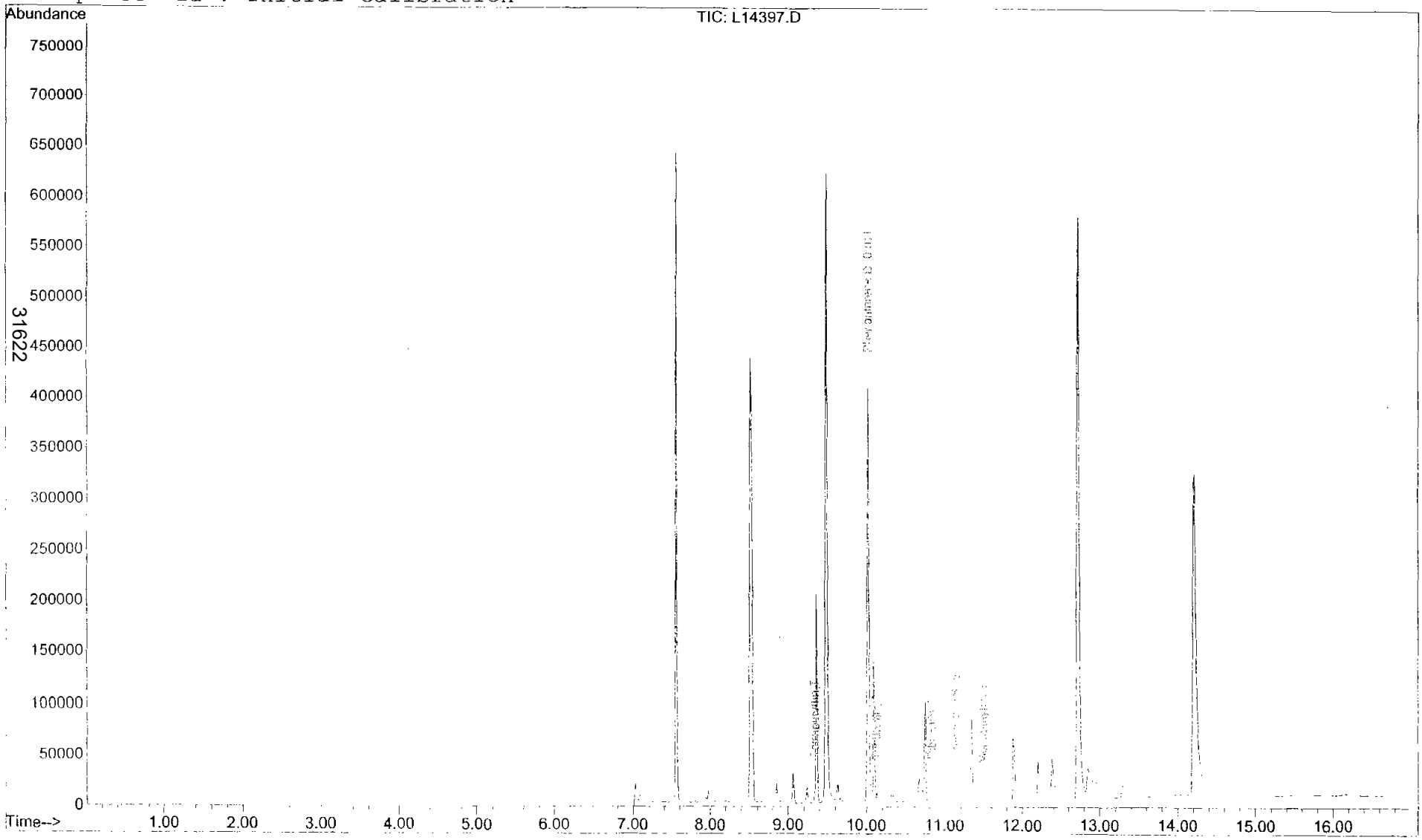
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:10 2004
Response via : Initial Calibration
DataAcq Meth :

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

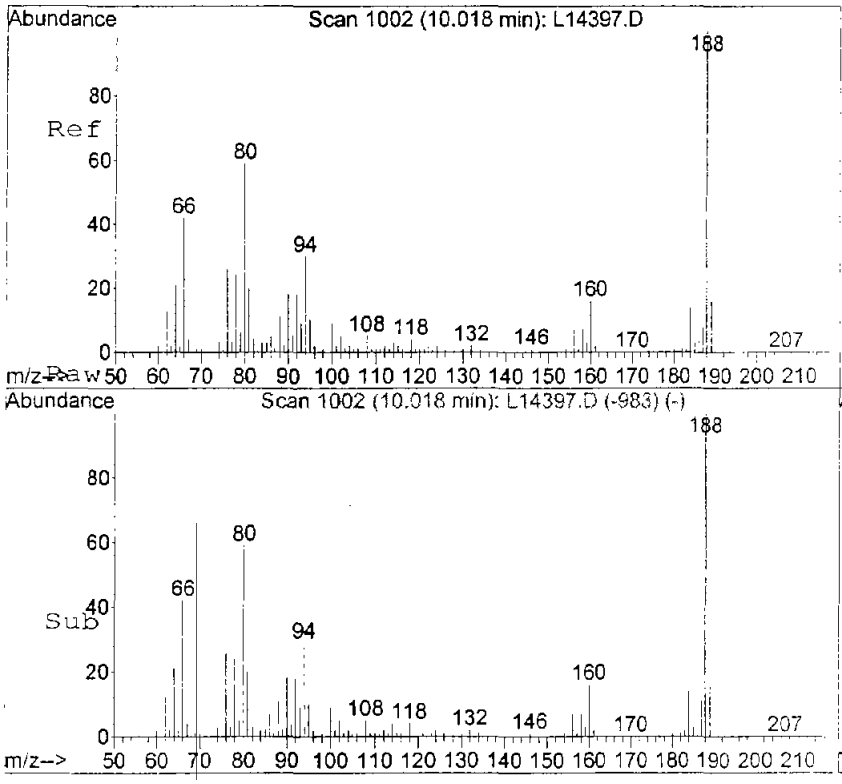
Quantitation Report (Not Reviewed)

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



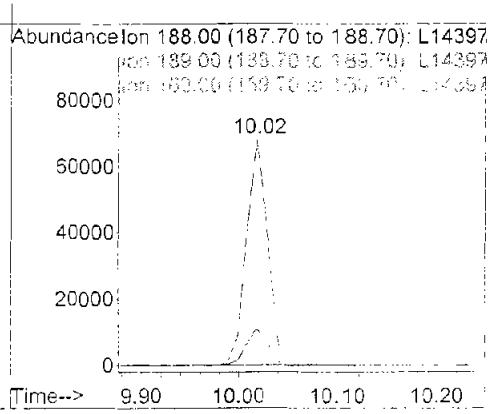
80200

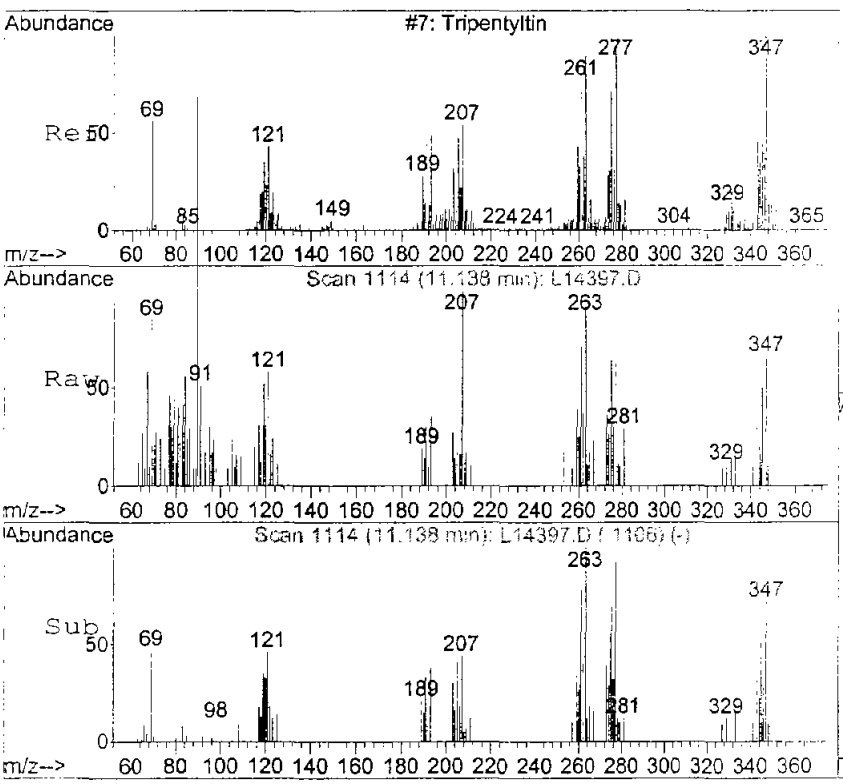


#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.02 min Scan# 1002
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

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

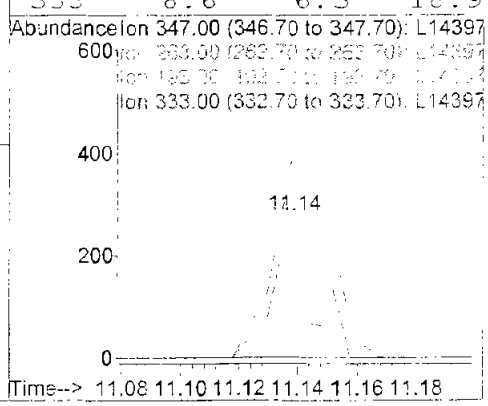


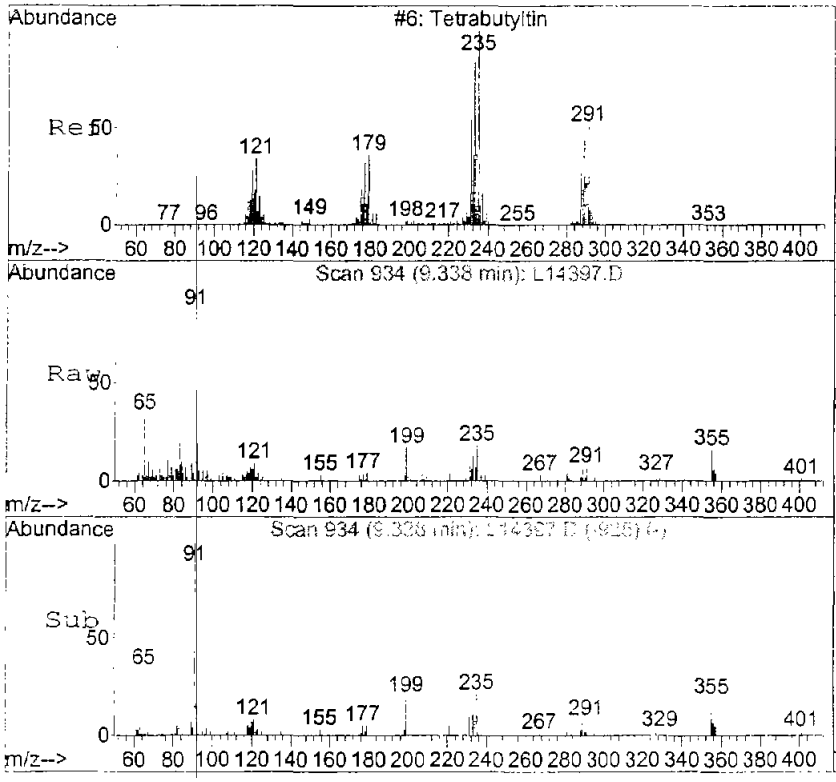


#2
Tripentyltin (S)
Concen: 0.72 PG/UL
RT: 11.14 min Scan# 1114
Delta R.T. -0.02 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

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

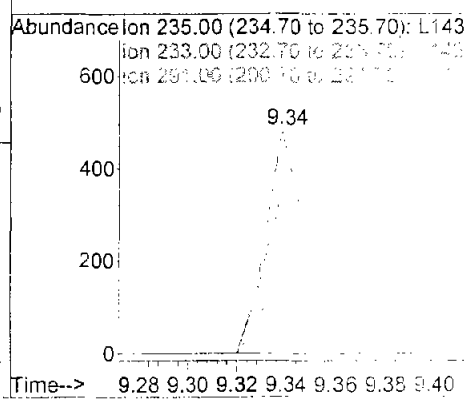


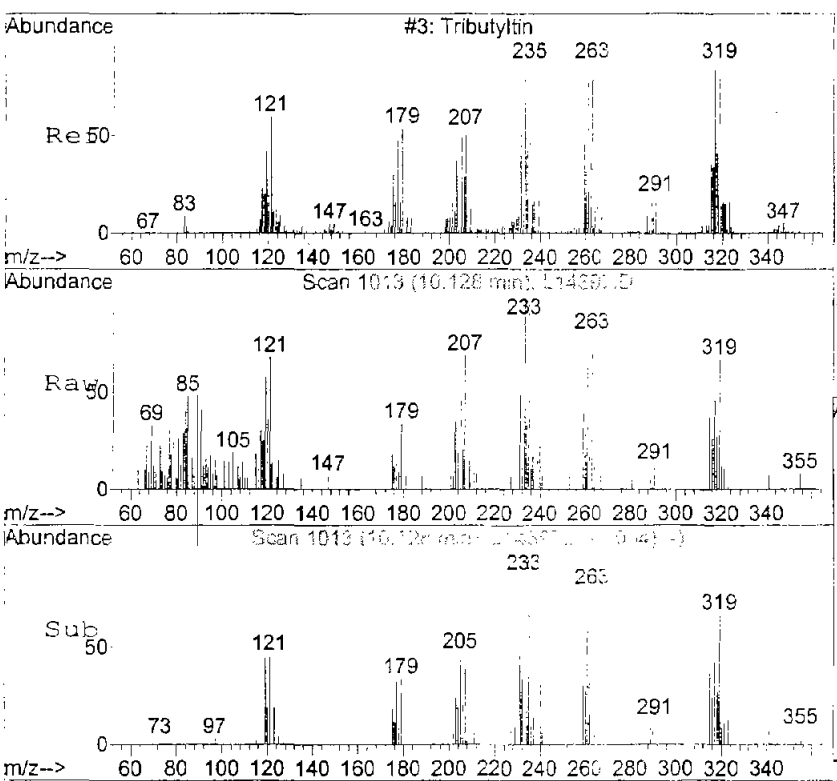


#3
Tetrabutyltin
Concen: 1.00 PG/UL
RT: 9.34 min Scan# 934
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

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

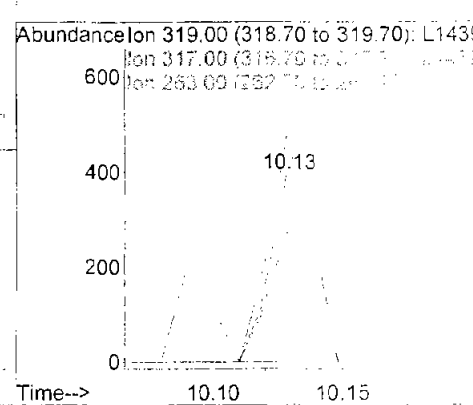


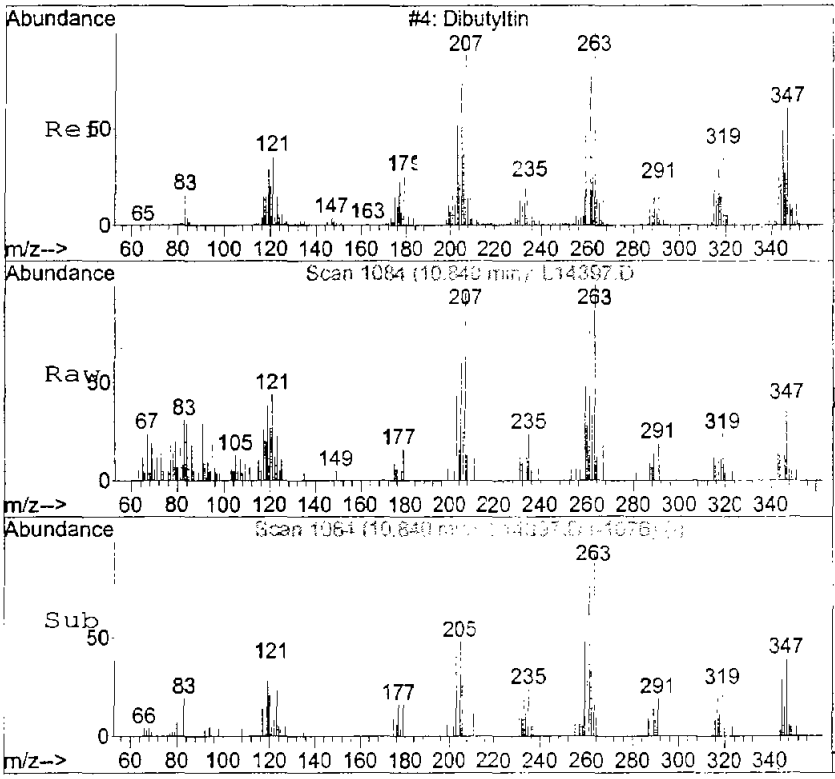


#4
Tributyltin
Concen: 0.63 PG/UL
RT: 10.13 min Scan# 1013
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

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

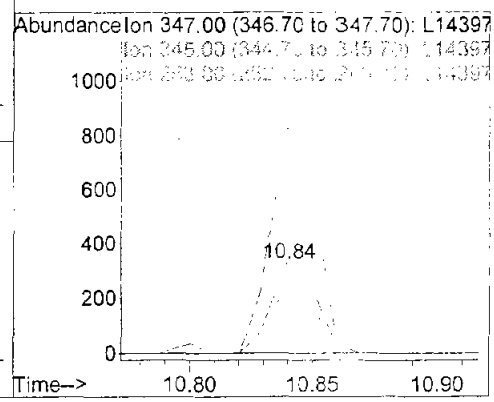


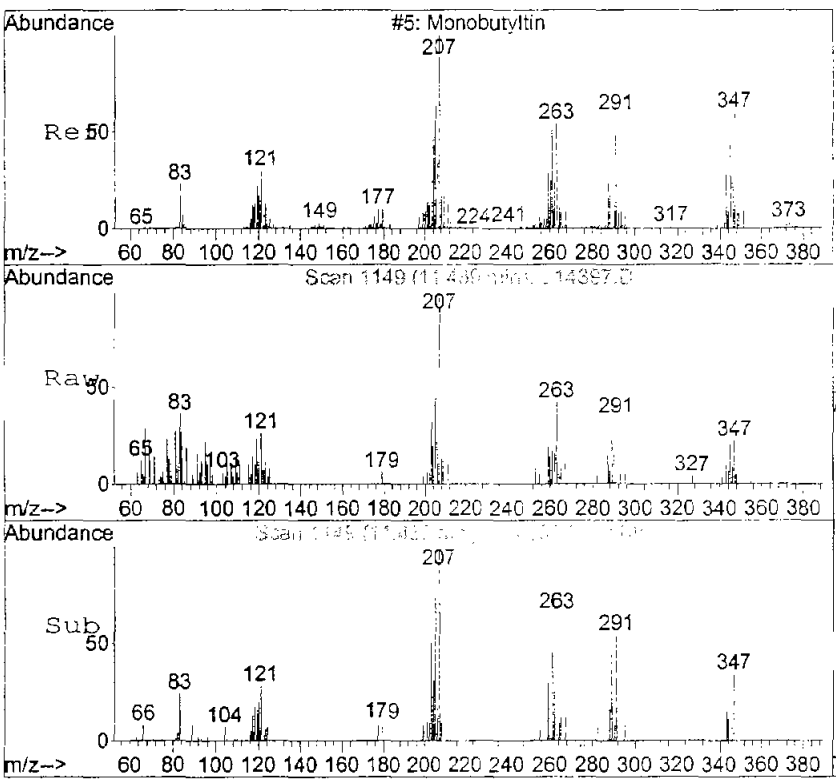


#5
Dibutyltin
Concen: 0.56 PG/UL
RT: 10.84 min Scan# 1084
Delta R.T. -0.02 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

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

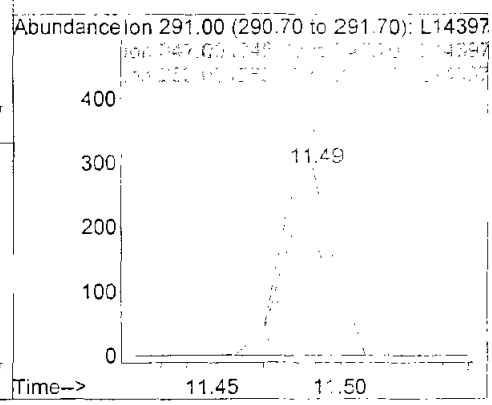




#6
Monobutyltin
Concen: 0.35 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14397.D
Acq: 24 Nov 2004 13:58

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#



CONTINUING CALIBRATION

00712

Sequence Log

Directory : t:\Data\11292004

#	Filename	Sample Name	Date/Time
1	l14391.d	2.5 NG/UL DFTPP	11/24/04 11:06
2	l14392.d	200 PG/UL ORGTIN ICAL 979-33-3A	11/24/04 11:53
3	l14393.d	100 PG/UL ORGTIN ICAL 979-33-3B	11/24/04 12:17
4	l14394.d	50 PG/UL ORGTIN ICAL 979-33-3C	11/24/04 12:41
5	l14395.d	10 PG/UL ORGTIN ICAL 979-33-3D	11/24/04 13:05
6	l14396.d	5.0 PG/UL ORGTIN ICAL 979-33-3E	11/24/04 13:33
7	l14397.d	1.0 PG/UL ORGTIN ICAL 979-33-3F	11/24/04 13:58
8	l14398df.d	2.5 NG/UL DFTPP	11/24/04 14:45
9	l14399.d	100 PG/UL ORGTIN CCAL 979-33-6OCS	11/24/04 15:09
10	l14400.d	STN0118 MB #15.0000 &20 SOIL ORGTIN	11/24/04 15:57
11	l14401.d	STN0118 BS #15.0000 &20 SOIL ORGTIN	11/24/04 16:21
12	l14402.d	STN0118 BSD #15.0000 &20 SOIL ORGTIN	11/24/04 16:45
13	l14403.d	124945-3 MS &20 SOIL ORGTIN	11/24/04 17:09
14	l14404.d	124945-3 MSD &20 SOIL ORGTIN	11/24/04 17:33
15	l14405.d	124993-7 MS &20 SOIL ORGTIN	11/24/04 17:58
16	l14406.d	124993-7 MSD &20 SOIL ORGTIN	11/24/04 18:22
17	l14407.d	124945-3 &20 SOIL ORGTIN	11/24/04 19:10
18	l14408.d	124993-2 &20 SOIL ORGTIN	11/24/04 19:34
19	l14409.d	124993-3 &20 SOIL ORGTIN	11/24/04 19:58
20	l14410.d	124993-4 &20 SOIL ORGTIN	11/24/04 20:22
21	l14411.d	124993-6 &20 SOIL ORGTIN	11/24/04 20:46
22	l14412.d	124993-7 &20 SOIL ORGTIN	11/24/04 21:10
23	l14413.d	WTN0192 MB #1000 &2 WATER ORGTIN	11/24/04 21:35
24	l14414.d	WTN0192 BS #1000 &2 WATER ORGTIN	11/24/04 21:59
25	l14415.d	WTN0192 BSD #1000 &2 WATER ORGTIN	11/24/04 22:23
26	l14416.d	124993-11 MS &2 WATER ORGTIN	11/24/04 22:48
27	l14417.d	124993-11 MSD &2 WATER ORGTIN	11/24/04 23:12
28	l14418.d	124993-8 &2 WATER ORGTIN	11/24/04 23:36
29	l14419.d	124993-9 &2 WATER ORGTIN	11/25/04 00:01
30	l14420.d	124993-10 &2 WATER ORGTIN	11/25/04 00:25
31	l14421.d	124993-11 &2 WATER ORGTIN	11/25/04 00:50
32	l14422.d	124945-1 &2 WATER ORGTIN	11/25/04 01:14
33	l14423.d	125000-1 &2 WATER ORGTIN	11/25/04 01:38
34	l14424.d	125000-2 &2 WATER ORGTIN	11/25/04 02:03
35	l14425.d	125000-3 &2 WATER ORGTIN	11/25/04 02:27

00713

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

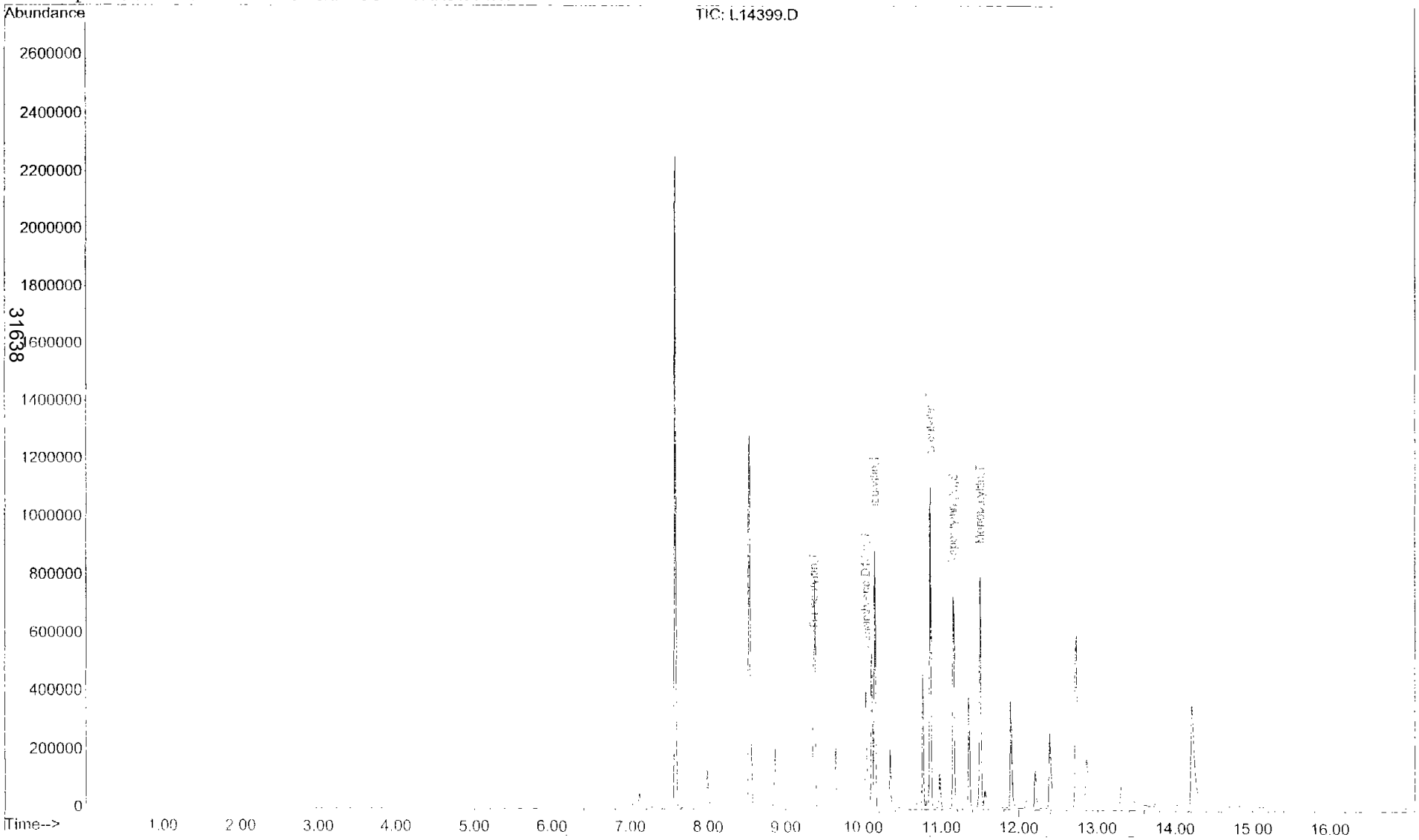
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration
DataAcq Meth :

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	95

Quantitation Report (Not Reviewed)

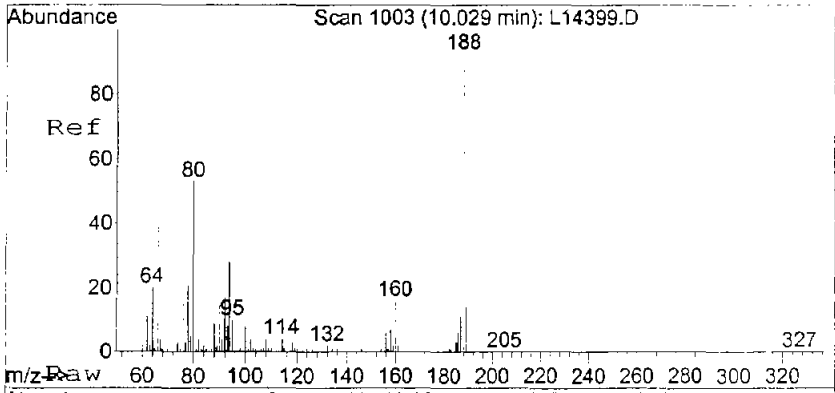
Data File : T:\DATA\11292004\L14399.D Vial: 0
Acq On : 24 Nov 2004 15:09 Operator:
Sample : 100 PG/UL ORGTIN CCAL 979-33-60CS Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:14 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:00:28 2004
Response via : Initial Calibration



31638

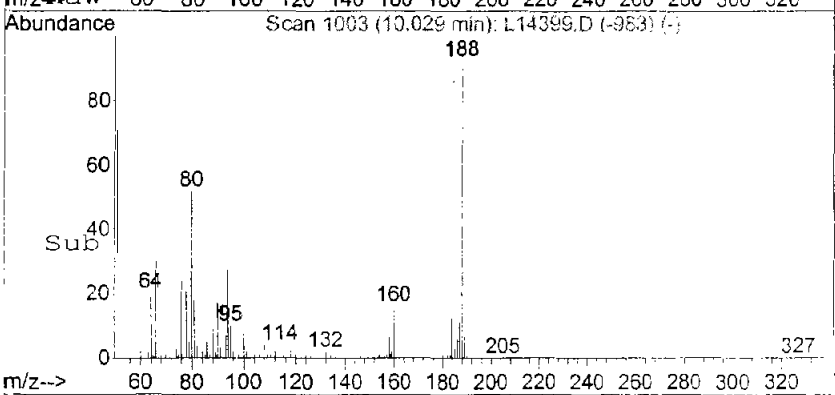
00216

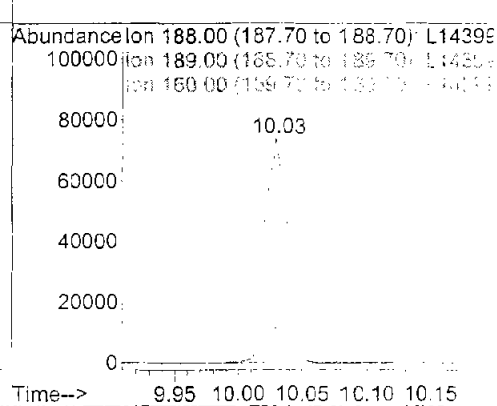


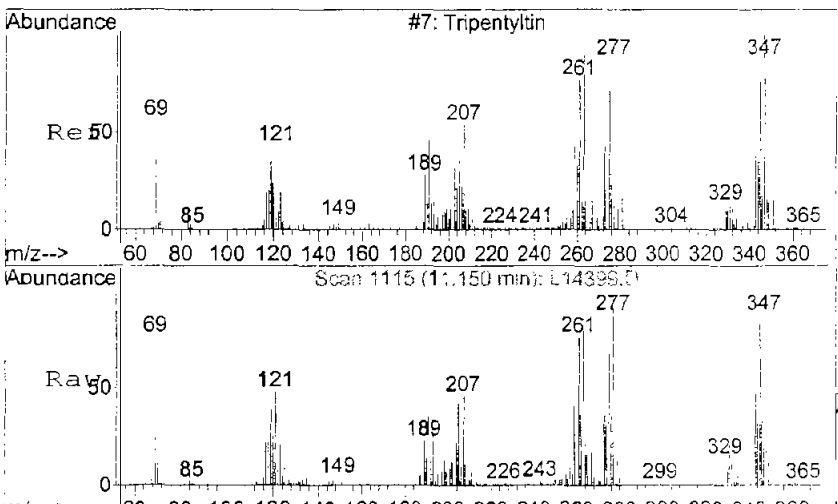
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. -0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

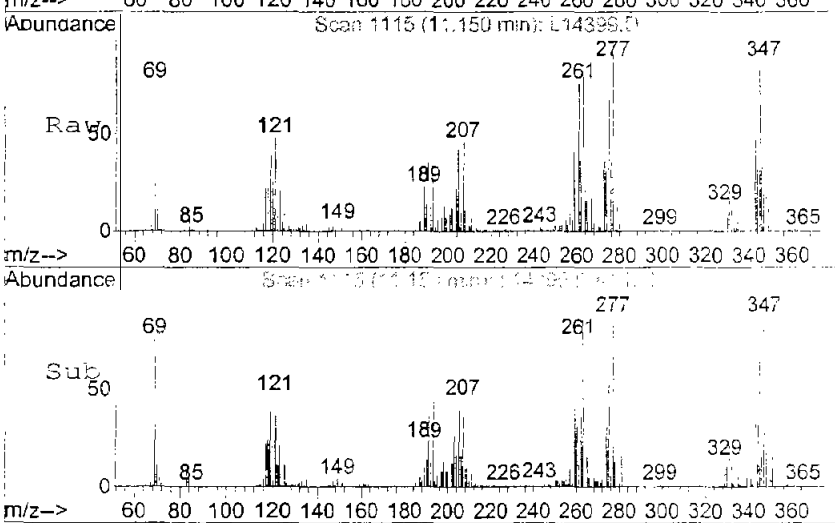
Tgt Ion:188 Resp: 119449

Ion	Ratio	Lower	Upper
188	100		
189	12.1	7.9	18.3
160	13.8	9.1	21.3





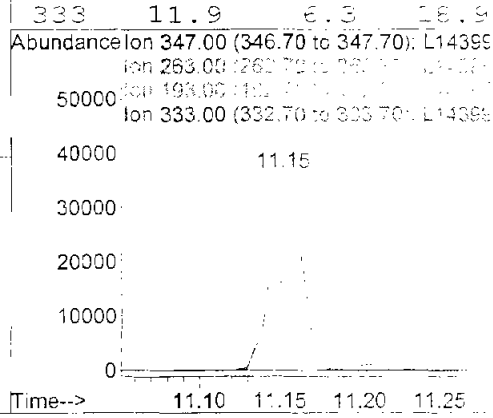


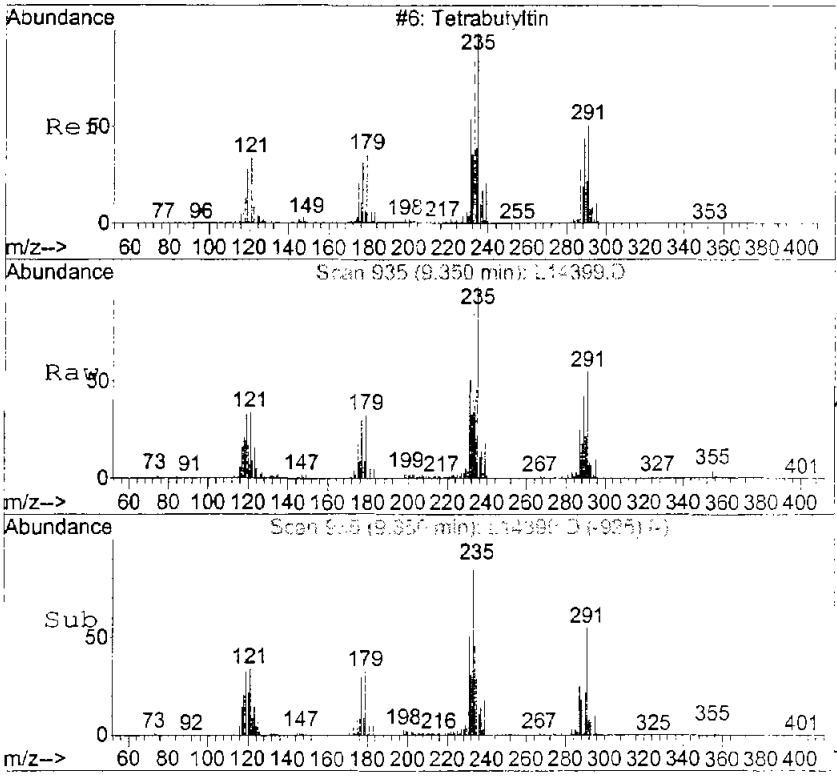


#2
Tripentyltin (S)
Concen: 82.69 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:347 Resp: 107743

Ion	Ratio	Lower	Upper
347	100		
263	43.0	17.0	68.0
193	21.6	10.1	39.3
333	11.9	6.3	18.9

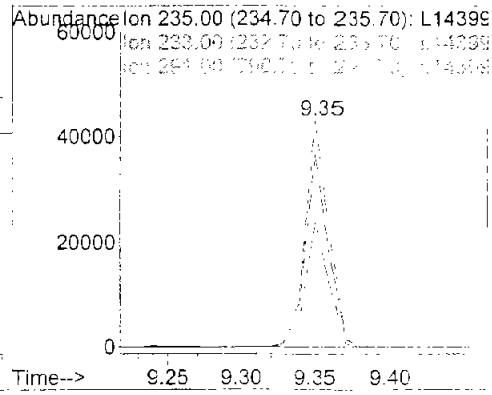


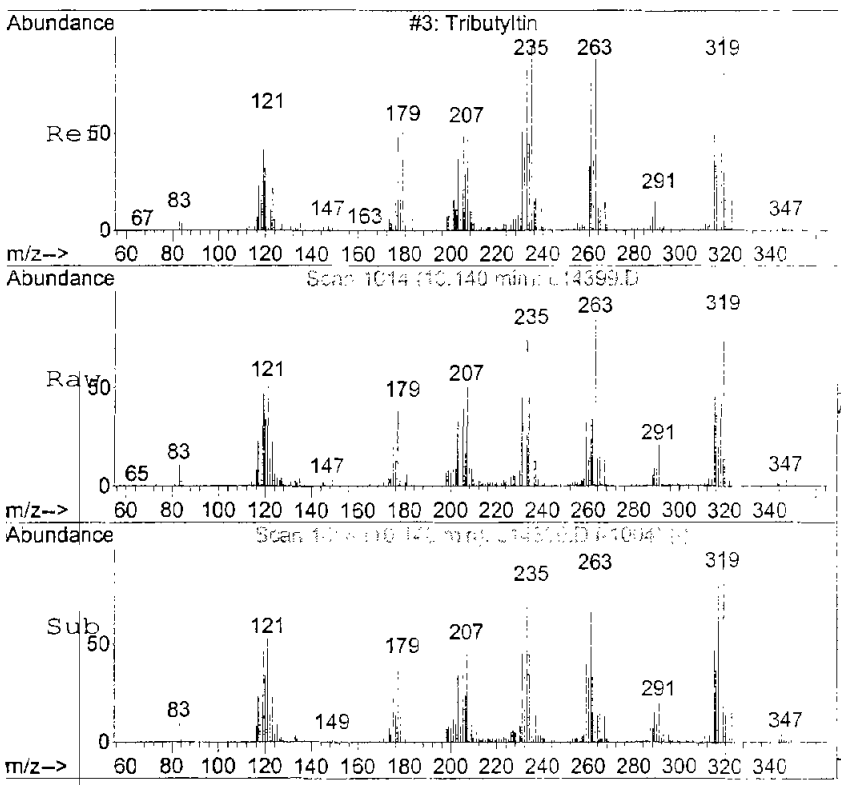


#3
Tetrabutyltin
Concen: 96.29 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

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

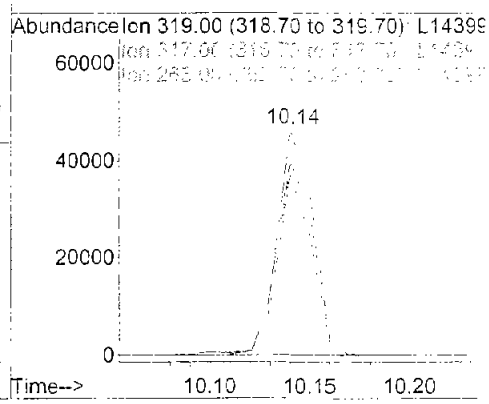


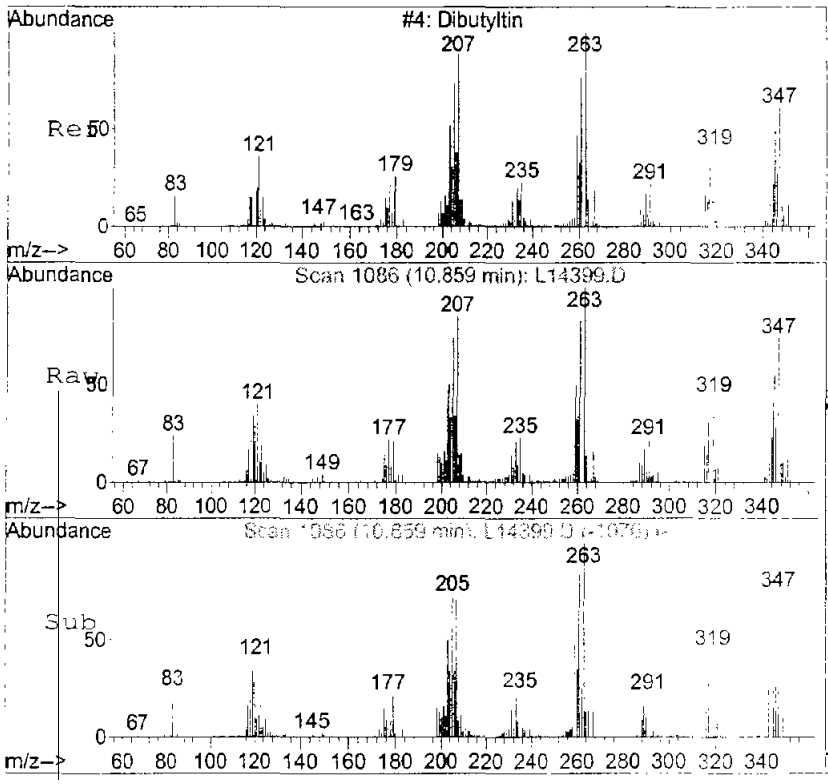


#4
Tributyltin
Concen: 75.71 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

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

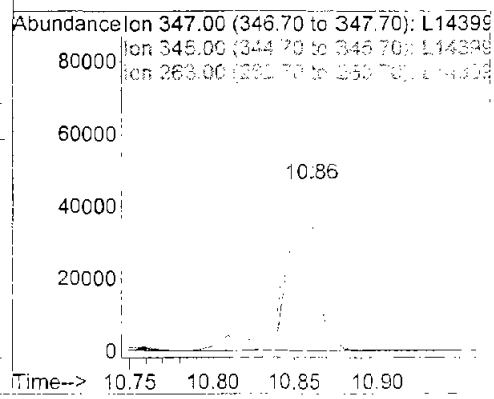


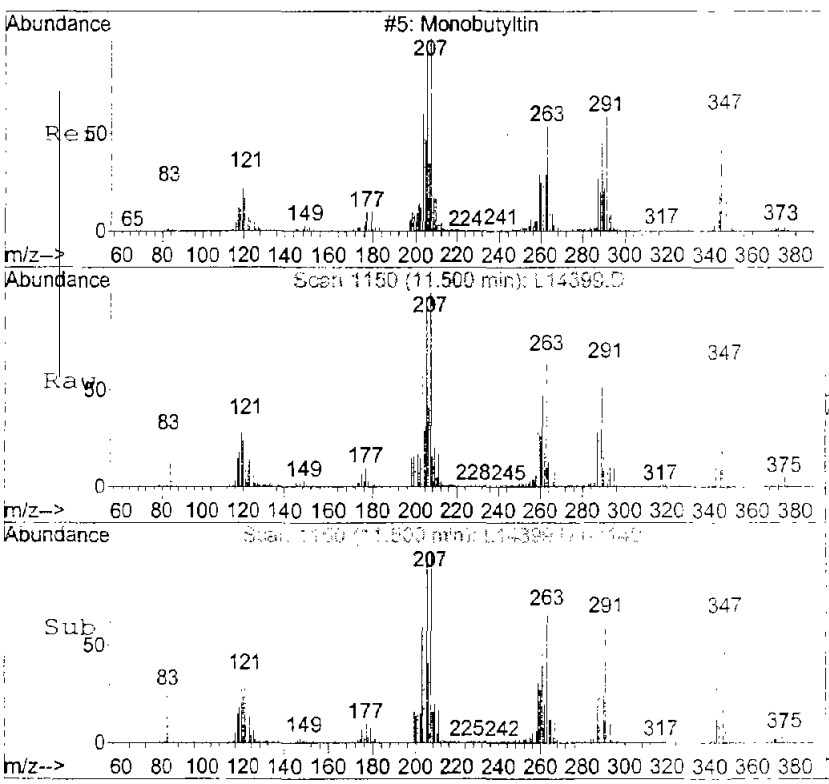


#5
Dibutyltin
Concen: 56.17 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

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

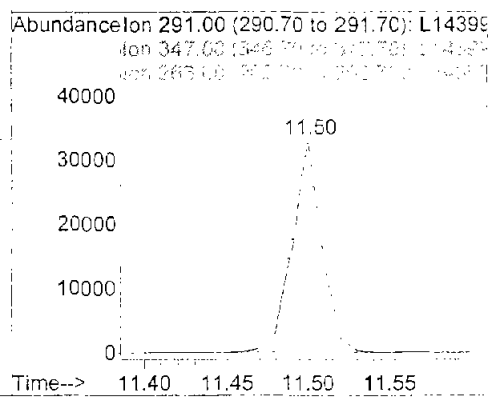




#6
Monobutyltin
Concen: 42.43 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. 0.00 min
Lab File: L14399.D
Acq: 24 Nov 2004 15:09

Tgt Ion:291 Resp: 130069

Ion	Ratio	Lower	Upper
291	100		
347	31.5	22.8	42.4
263	34.1	22.7	42.3

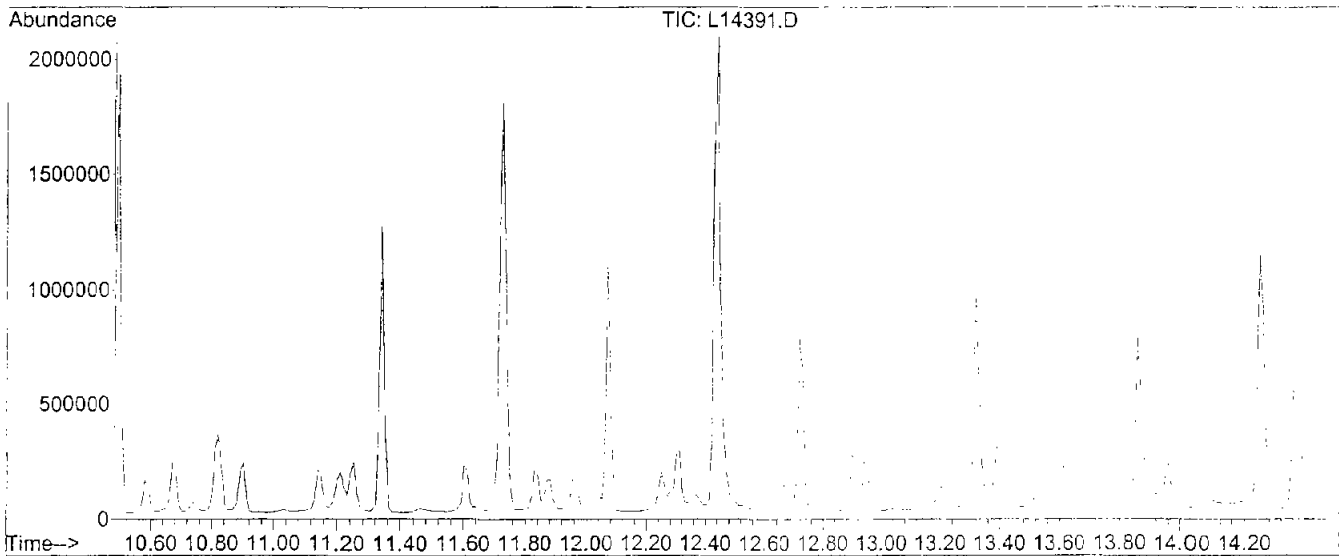


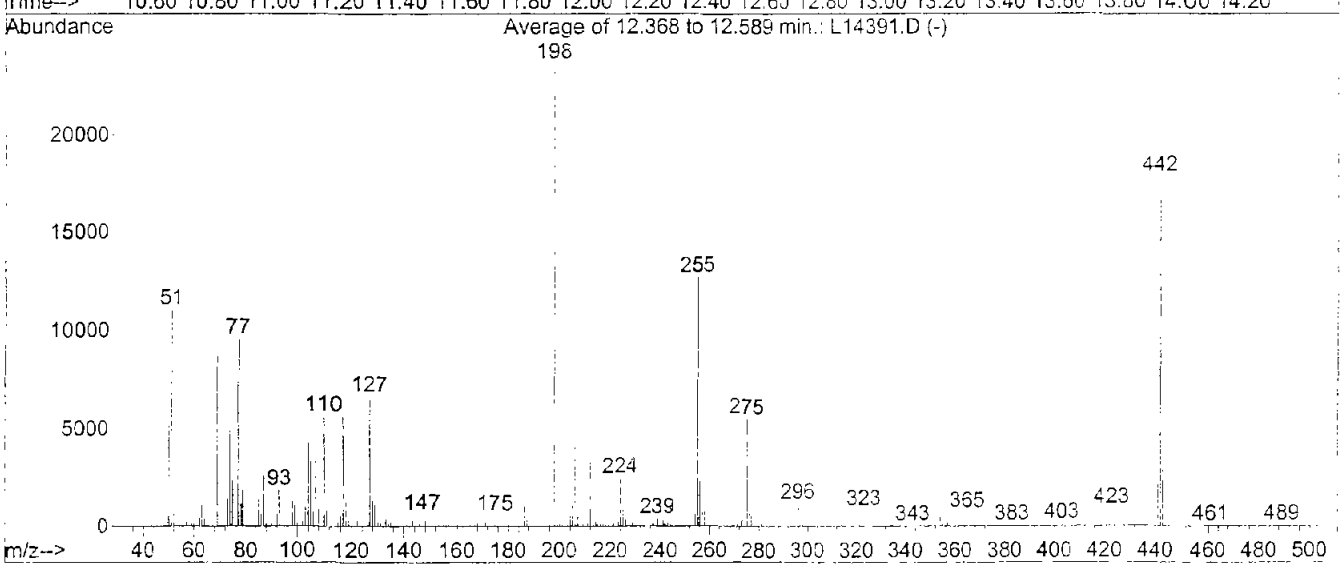
DFTPP TUNING

00720

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



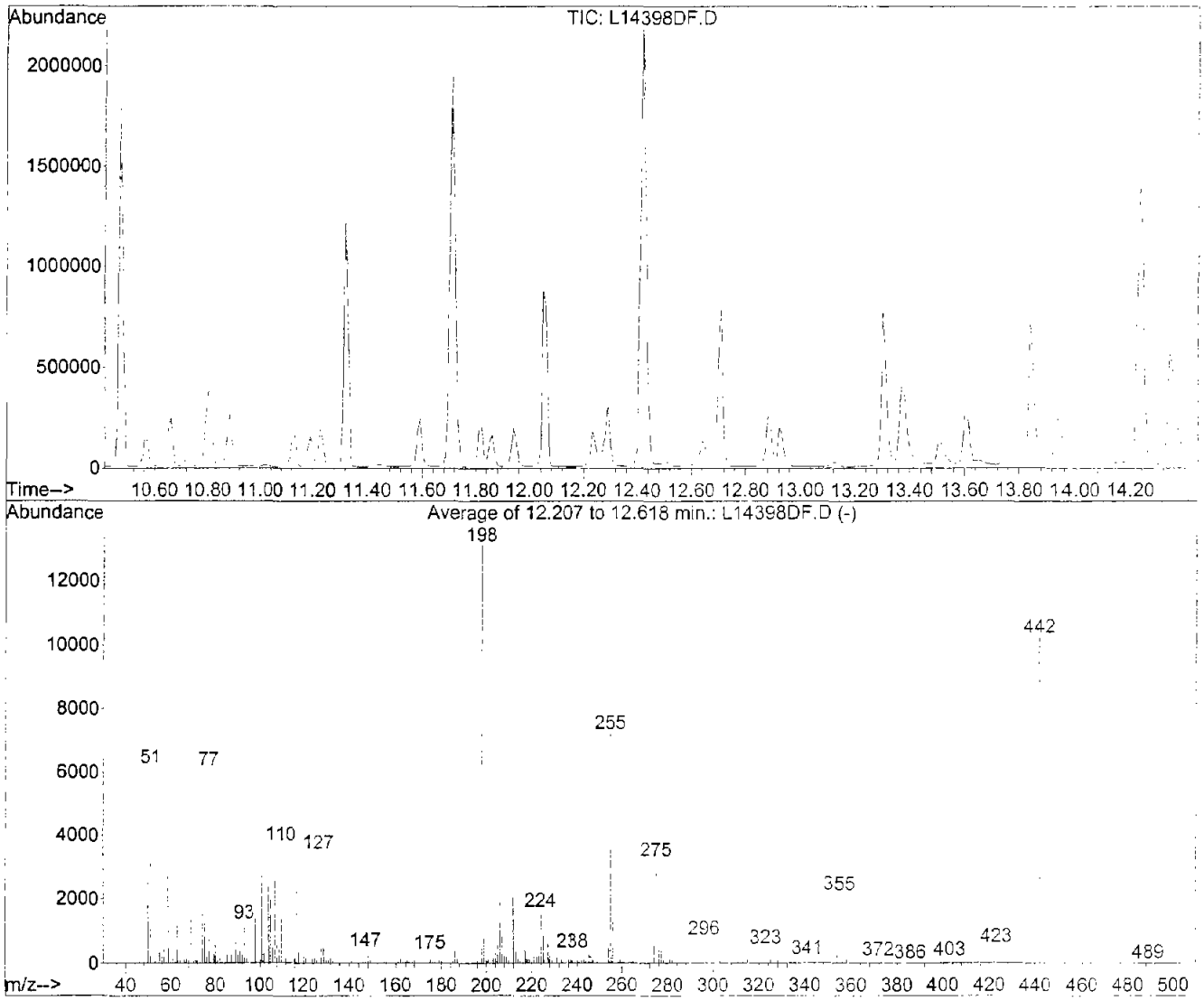


Spectrum Information: Average of 12.368 to 12.589 min.

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	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

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

METHOD BLANK

00723

Quantitation Report (QT Reviewed)

Data File : T:\DATA\11292004\L14413.D Vial: 0
Acq On : 24 Nov 2004 21:35 Operator:
Sample : WTN0192 MB #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:30:10 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	138863+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.16	347	119123-	78.64	PG/UL	0.00
Target Compounds						Qvalue

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

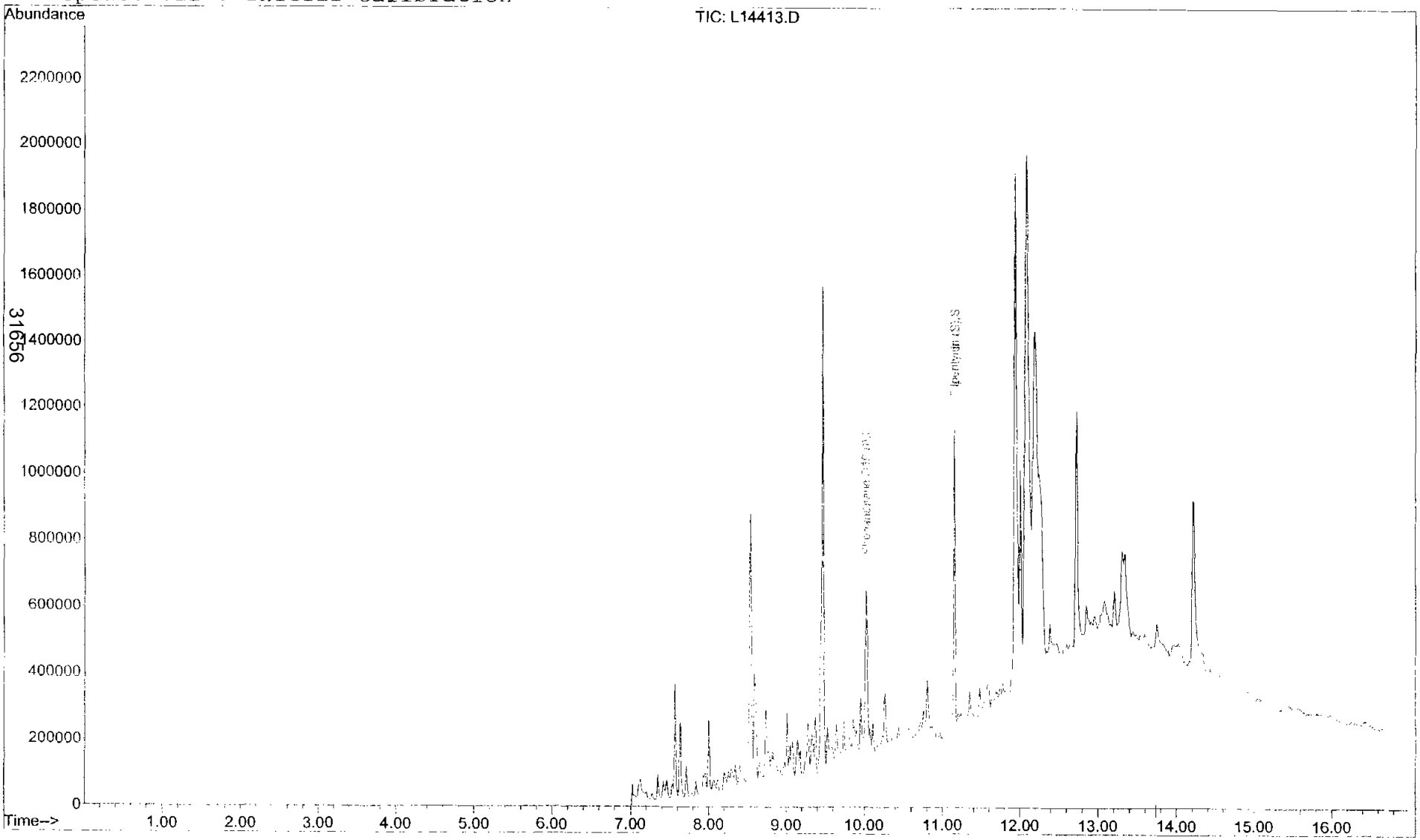
31654

00724

Quantitation Report (QT Reviewed)

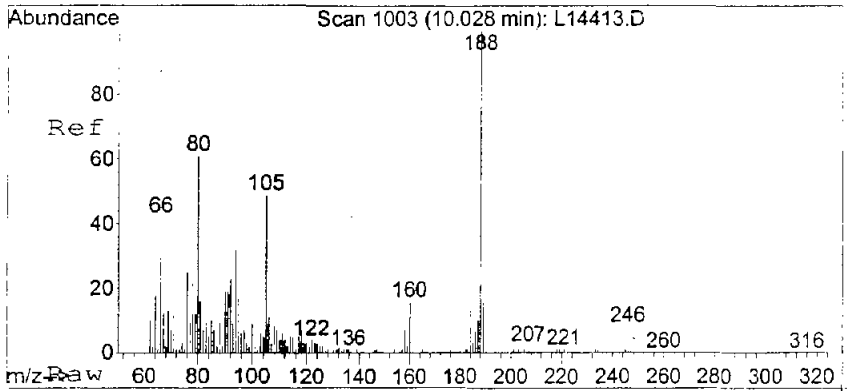
Data File : T:\DATA\11292004\L14413.D Vial: 0
Acq On : 24 Nov 2004 21:35 Operator:
Sample : WTN0192 MB #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:30 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



31656

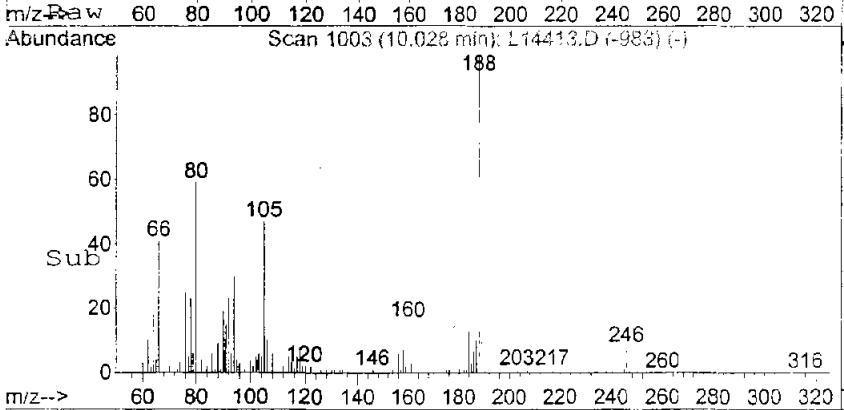
00725

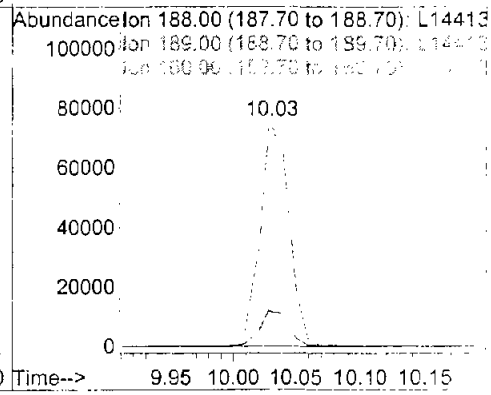


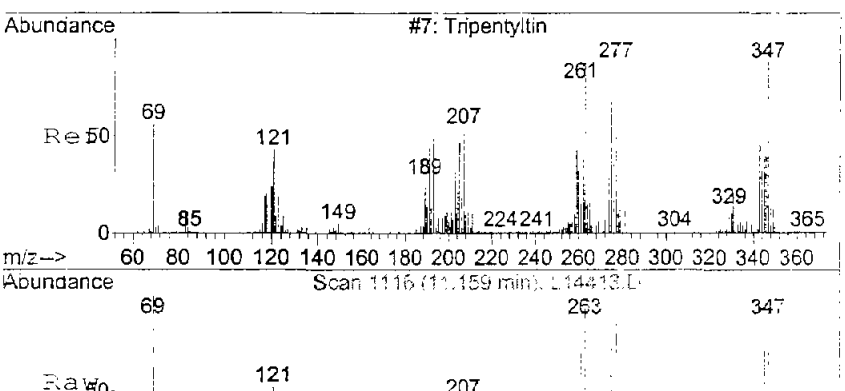
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. -0.00 min
Lab File: L14413.D
Acq: 24 Nov 2004 21:35

Tgt Ion:188 Resp: 138863

Ion	Ratio	Lower	Upper
188	100		
189	13.1	7.9	18.3
160	14.3	9.1	21.3



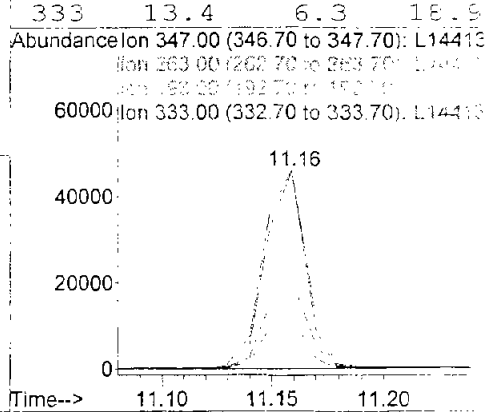




#2
Tripentyltin (S)
Concen: 78.64 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. 0.00 min
Lab File: L14413.D
Acq: 24 Nov 2004 21:35

Tgt Ion:347 Resp: 119123

Ion	Ratio	Lower	Upper
347	100		
263	52.9	17.0	68.0
193	22.4	10.1	30.3
333	13.4	6.3	18.9



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14400.D Vial: 0
Acq On : 24 Nov 2004 15:57 Operator:
Sample : STN0118 MB #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:15:55 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.02	188	125702+	100.00	pg/ul	-0.01
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	111938+	81.63	PG/UL	0.00

Target Compounds Qvalue

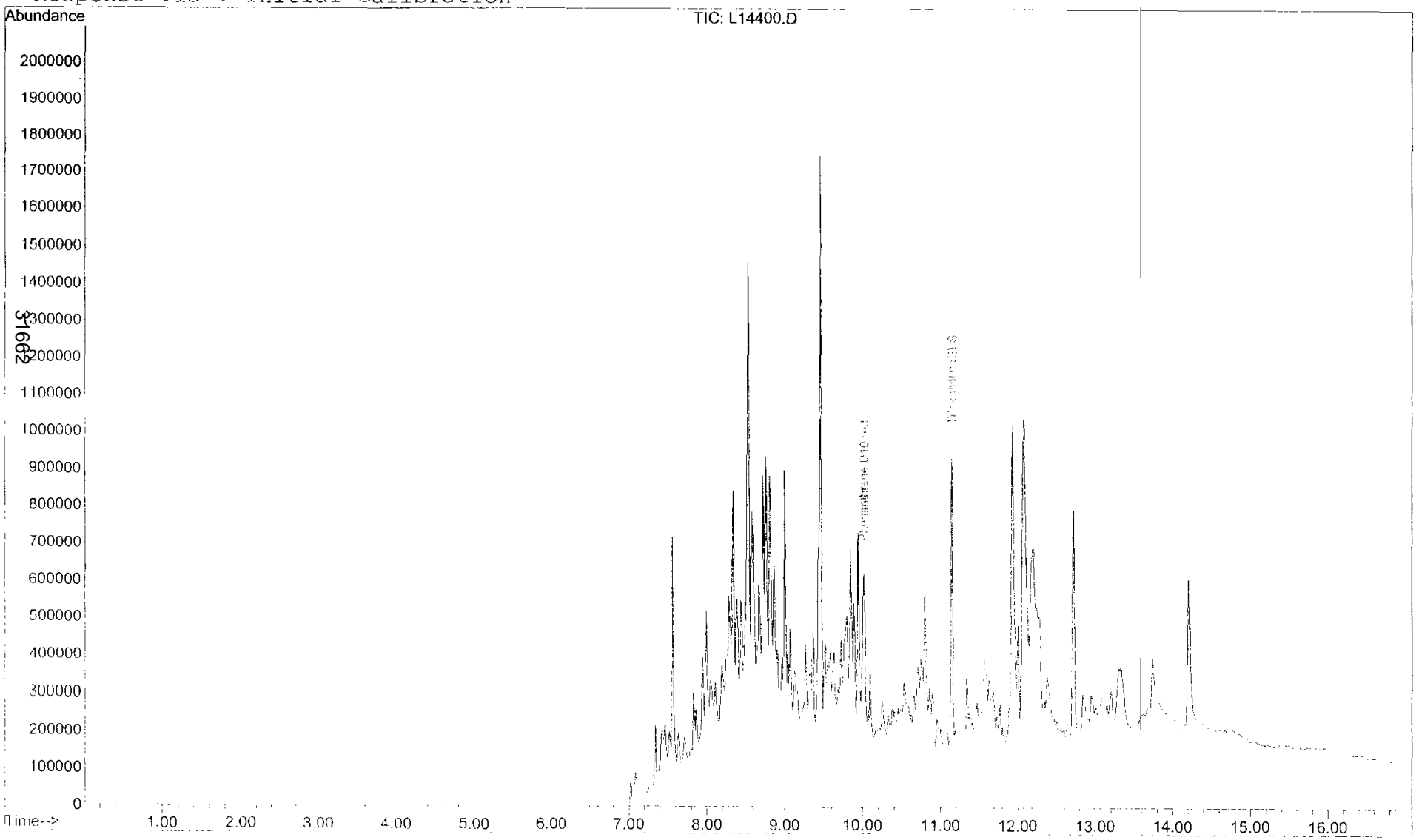
(#) = qualifier out of range (m) = manual integration (+) = signals summed

31660

00727

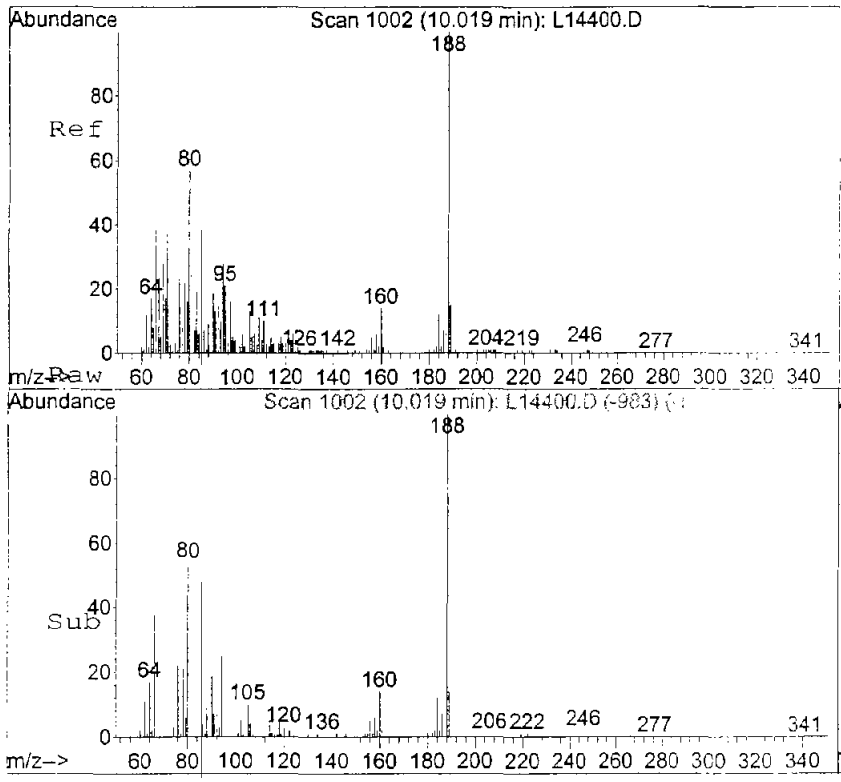
Data File : T:\DATA\11292004\L14400.D Vial: 0
Acq On : 24 Nov 2004 15:57 Operator:
Sample : STN0118 MB #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:15 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



3166

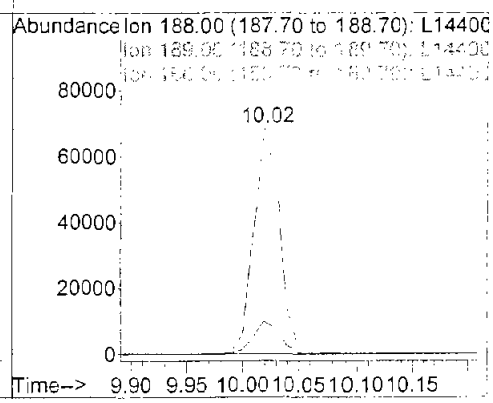
00728

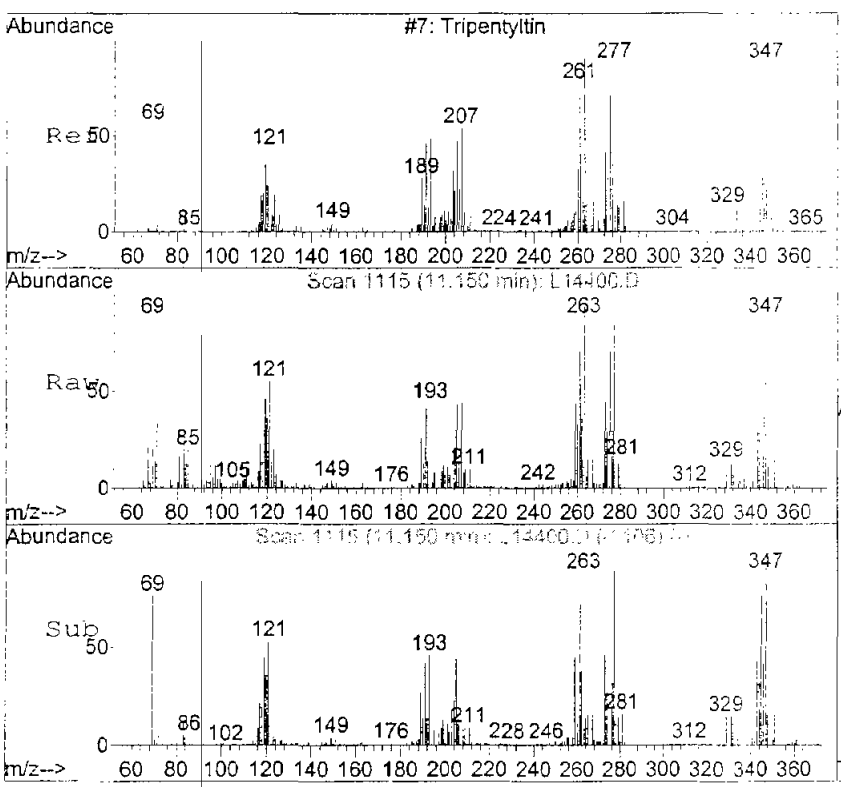


#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.02 min Scan# 1002
Delta R.T. -0.01 min
Lab File: L14400.D
Acq: 24 Nov 2004 15:57

Tgt Ion:188 Resp: 125702

Ion	Ratio	Lower	Upper
188	100		
189	14.2	7.9	18.3
160	13.3	9.1	21.3

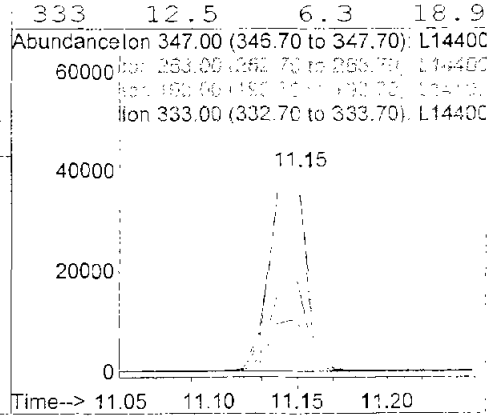




#2
Tripentyltin (S)
Concen: 81.63 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14400.D
Acq: 24 Nov 2004 15:57

Tgt Ion:347 Resp: 111938

Ion	Ratio	Lower	Upper
347	100		
263	51.5	17.0	68.0
193	21.5	10.1	30.3
333	12.5	6.3	18.9



BLANK SPIKE

00730

Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14414.D Vial: 0
Acq On : 24 Nov 2004 21:59 Operator:
Sample : WTN0192 BS #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:30:33 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

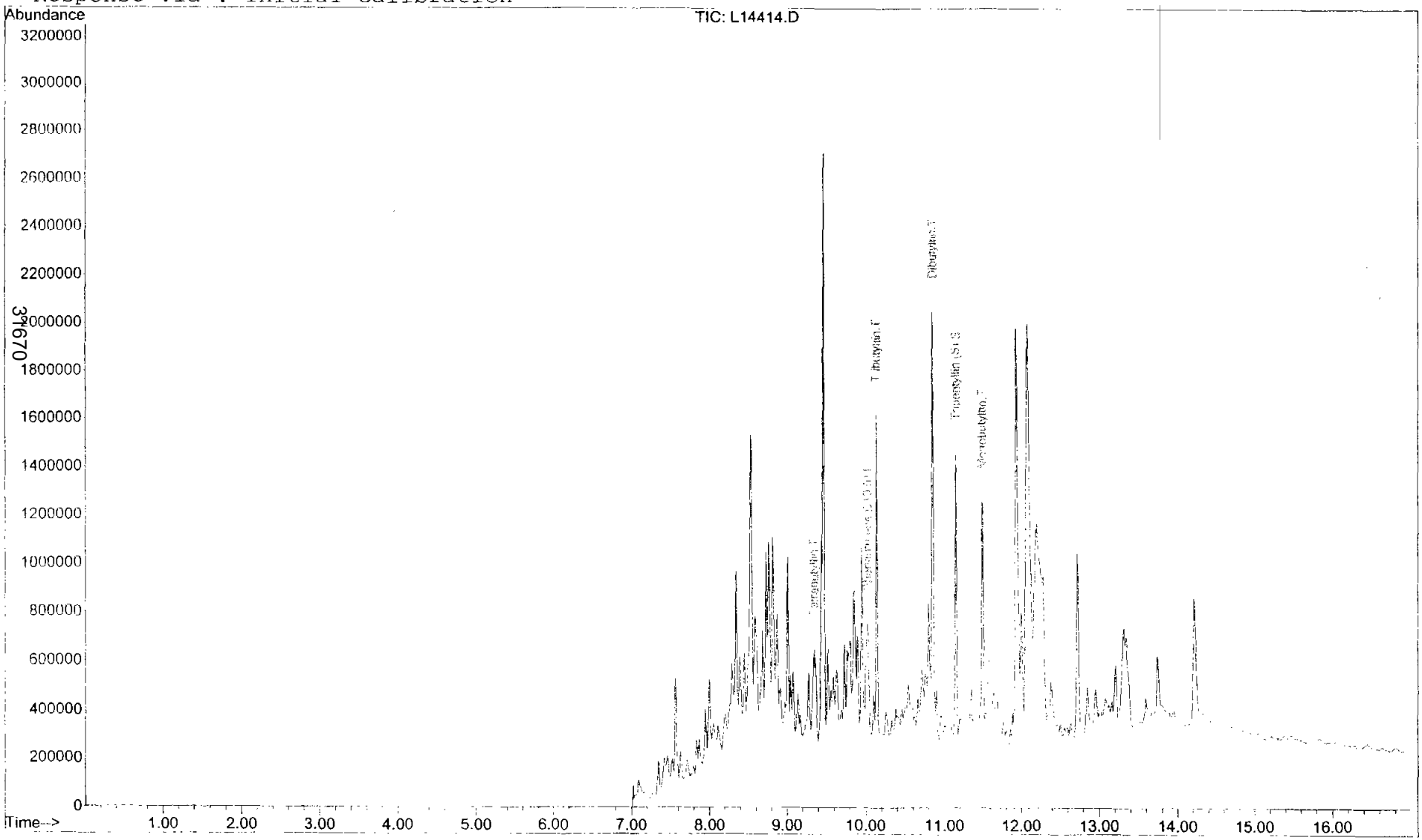
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	145399+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	138736+	87.47	PG/UL	-0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	97890+	69.21	PG/UL	97
4) Tributyltin	10.14	319	224309+	91.02	PG/UL	99
5) Dibutyltin	10.85	347	227953+	69.31	PG/UL	98
6) Monobutyltin	11.49	291	191042+	51.20	PG/UL	95

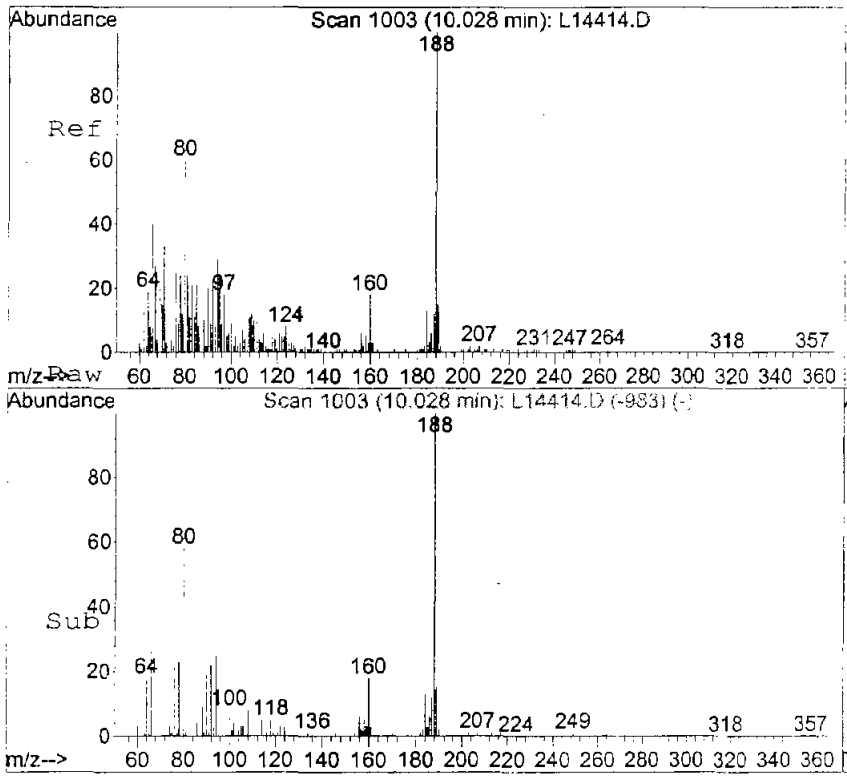
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14414.D Vial: 0
Acq On : 24 Nov 2004 21:59 Operator:
Sample : WTN0192 BS #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:30 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration

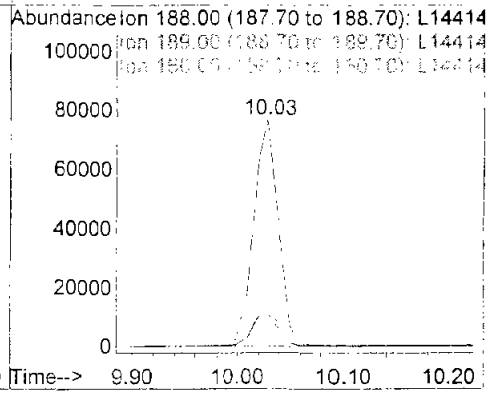


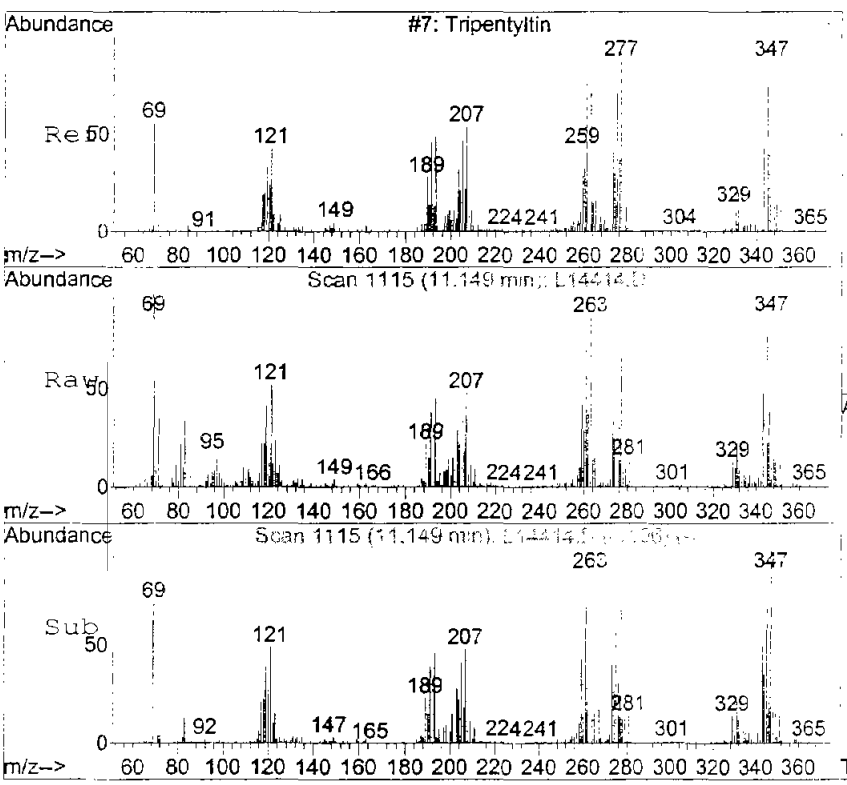


#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. -0.00 min
Lab File: L14414.D
Acq: 24 Nov 2004 21:59

Tgt Ion:188 Resp: 145399

Ion	Ratio	Lower	Upper
188	100		
189	14.1	7.9	18.3
160	15.2	9.1	21.3

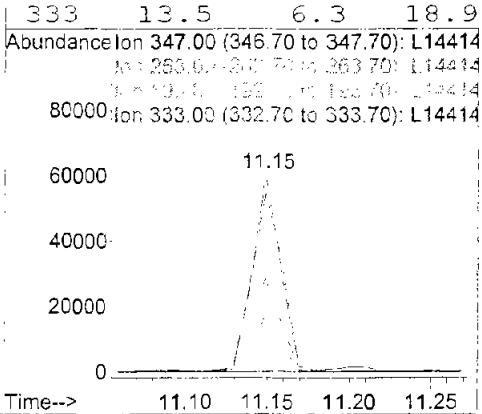


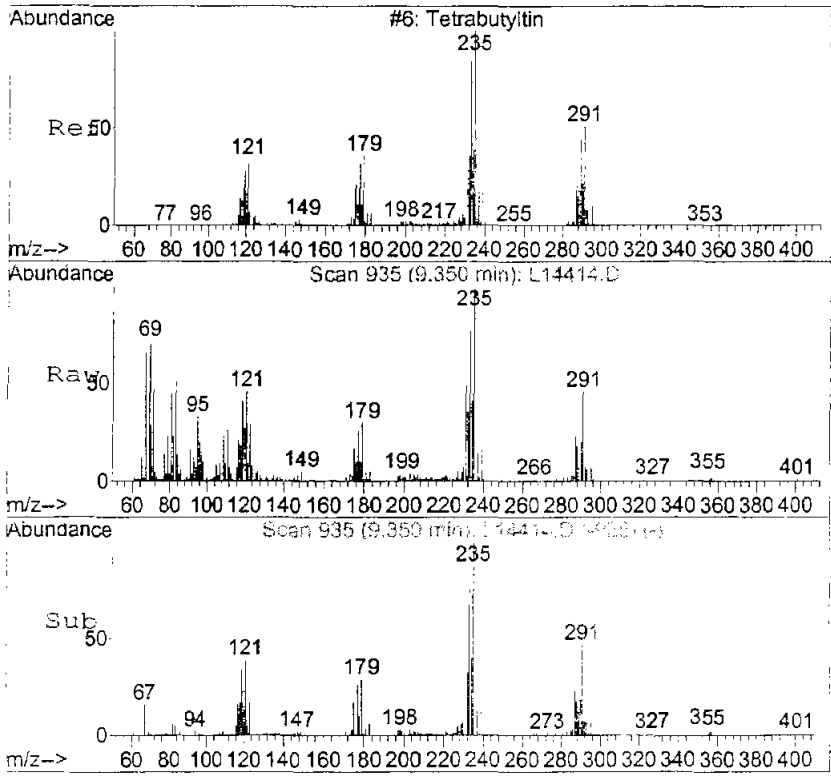


#2
Tripentyltin (S)
Concen: 87.47 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14414.D
Acq: 24 Nov 2004 21:59

Tgt Ion:347 Resp: 138736

Ion	Ratio	Lower	Upper
347	100		
263	51.2	17.0	68.0
193	23.8	10.1	30.3
333	13.5	6.3	18.9

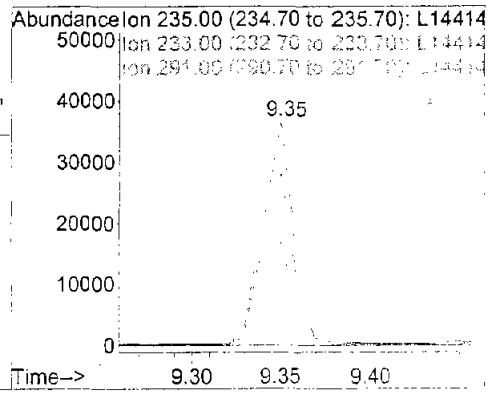


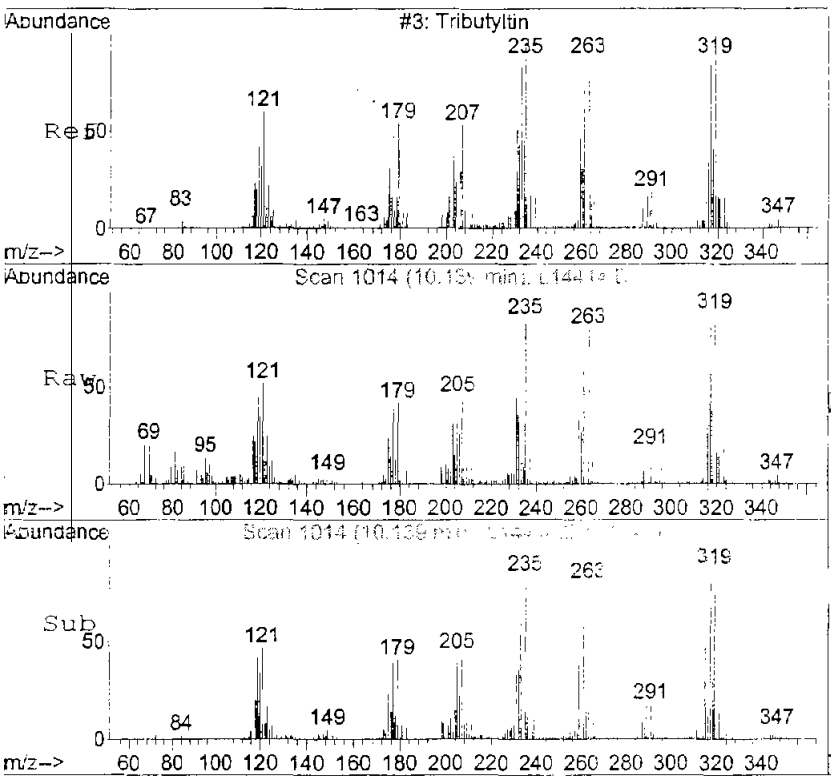


#3
Tetrabutyltin
Concen: 69.21 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14414.D
Acq: 24 Nov 2004 21:59

Tgt Ion:235 Resp: 97890

Ion	Ratio	Lower	Upper
235	100		
233	34.6	24.5	45.5
291	19.6	15.6	29.0

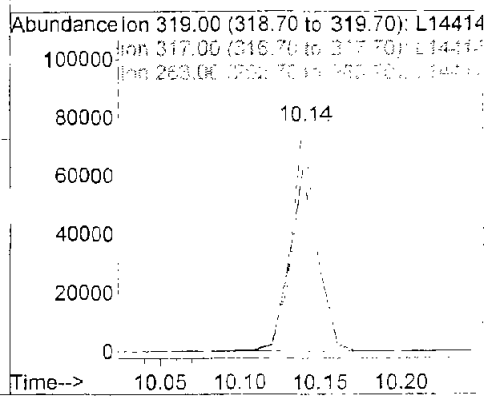


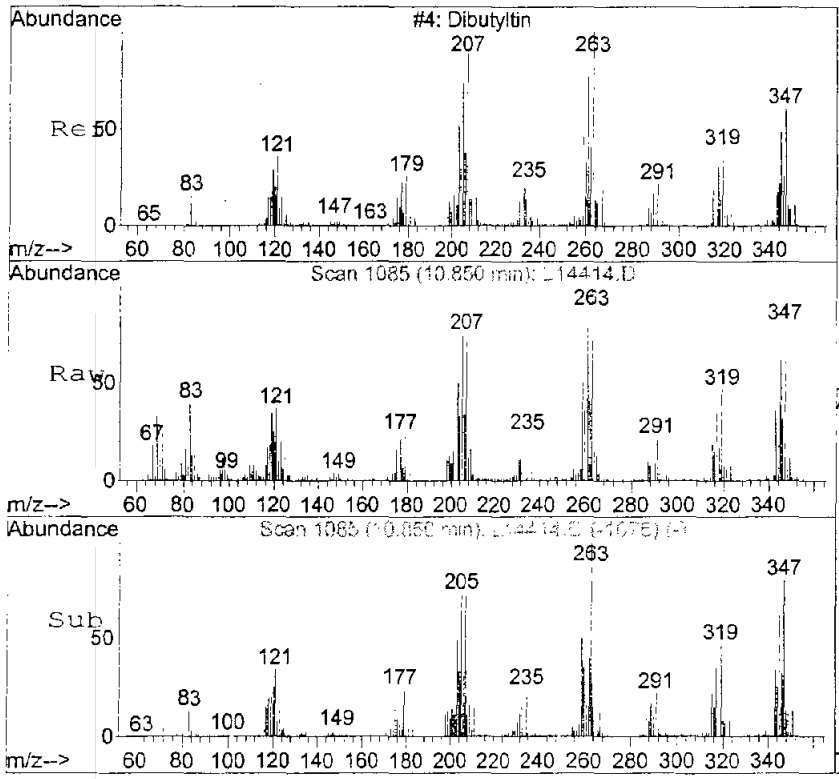


#4
Tributyltin
Concen: 91.02 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14414.D
Acq: 24 Nov 2004 21:59

Tgt Ion:319 Resp: 224309

Ion	Ratio	Lower	Upper
319	100		
317	29.1	20.5	38.1
263	33.8	23.0	42.8

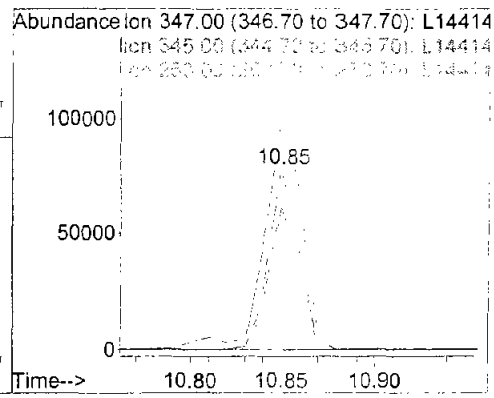


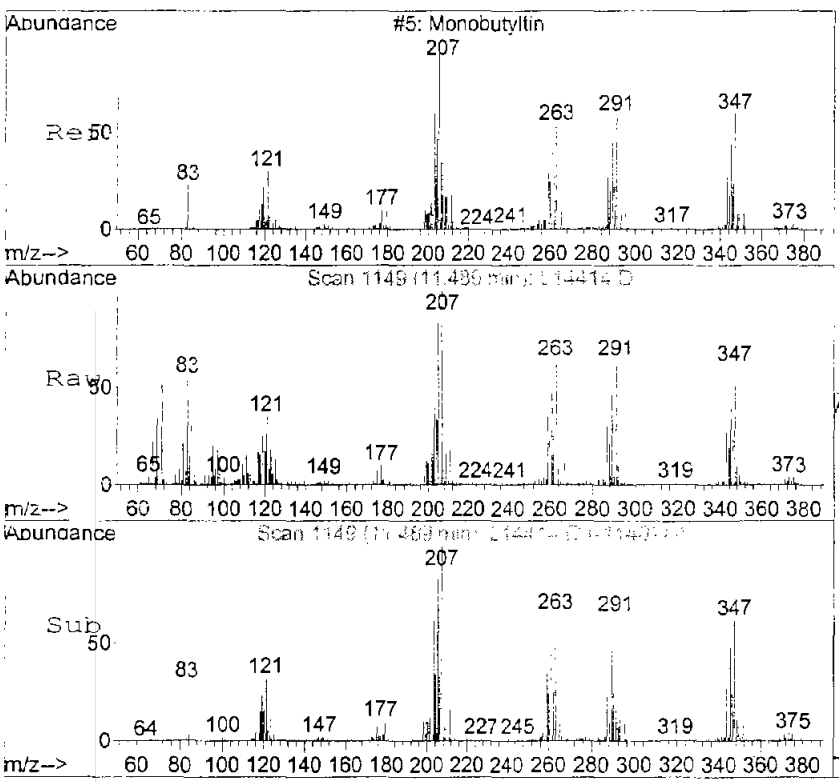


#5
Dibutyltin
Concen: 69.31 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. -0.01 min
Lab File: L14414.D
Acq: 24 Nov 2004 21:59

Tgt Ion:347 Resp: 227953

Ion	Ratio	Lower	Upper
347	100		
345	32.7	20.9	38.7
263	61.1	42.9	79.7

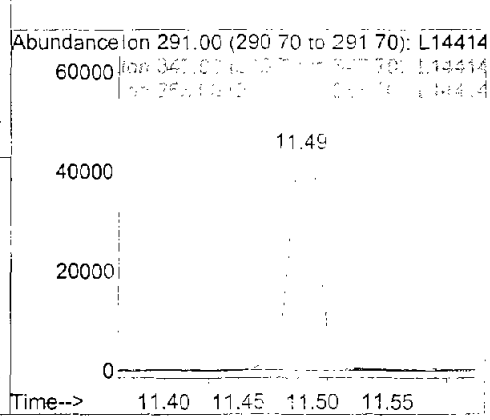




#6
Monobutyltin
Concen: 51.20 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14414.D
Acq: 24 Nov 2004 21:59

Tgt Ion:291 Resp: 191042

Ion	Ratio	Lower	Upper
291	100		
347	30.4	22.8	42.4
263	36.1	22.7	42.3



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14415.D Vial: 0
Acq On : 24 Nov 2004 22:23 Operator:
Sample : WTN0192 BSD #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:30:43 2004 Quant Results File: ORGTIN112404.RES

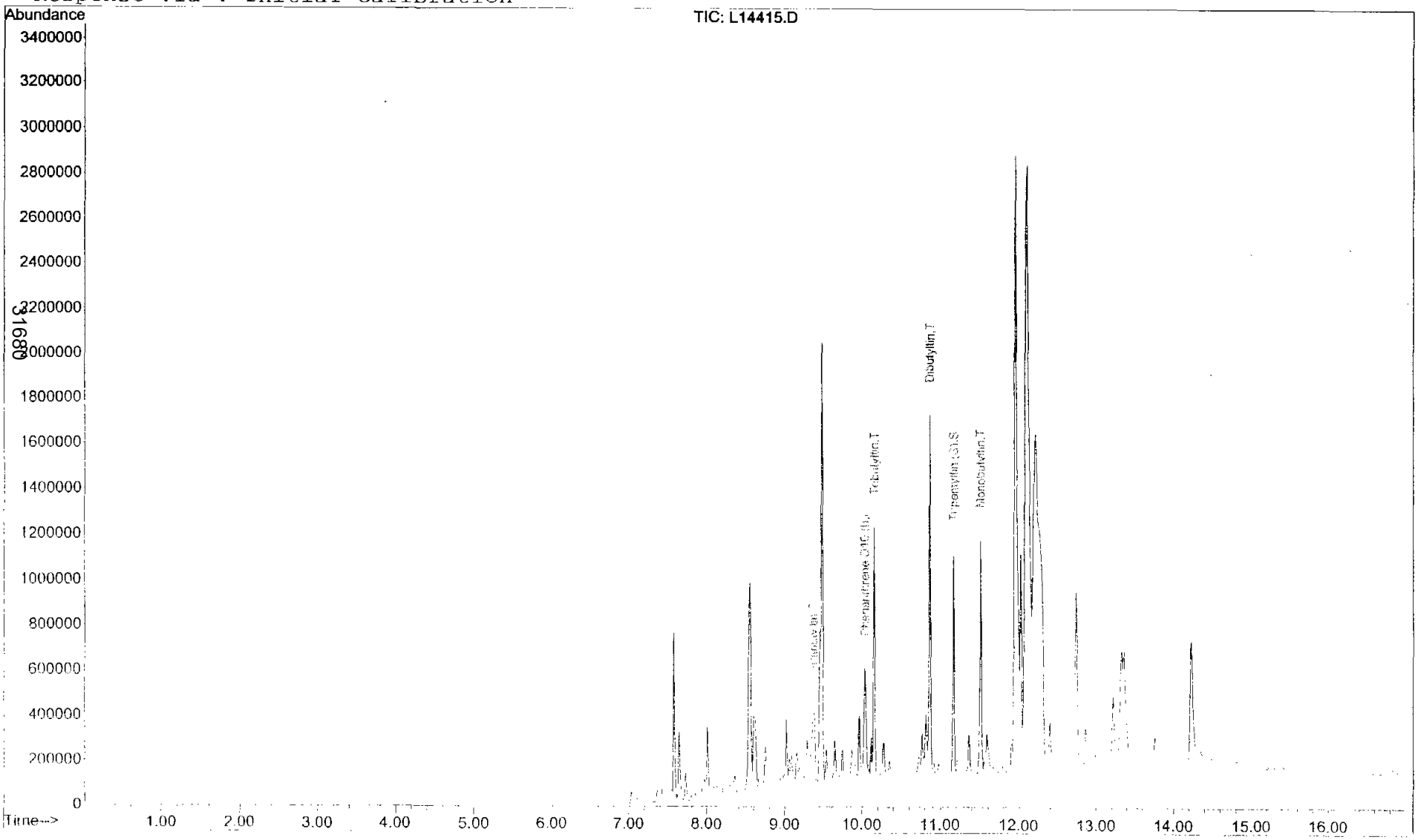
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.04	188	149557-	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.17	347	125771+	77.09	PG/UL	0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.37	235	94555+	65.00	PG/UL	97
4) Tributyltin	10.16	319	208619+	82.30	PG/UL	99
5) Dibutyltin	10.87	347	206773+	61.12	PG/UL	99
6) Monobutyltin	11.51	291	178194+	46.43	PG/UL	95

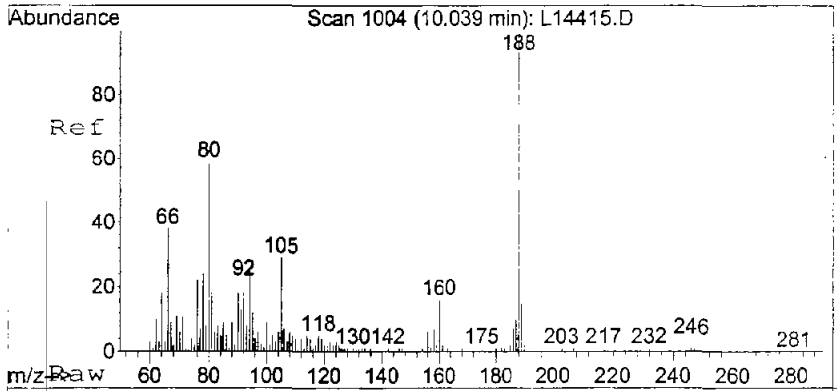
Quantitation Report (Not Reviewed)

Data File : T:\DATA\112904\L14415.D Vial: 0
Acq On : 24 Nov 2004 22:23 Operator:
Sample : WTI01102 BSD #1000 &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:30 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



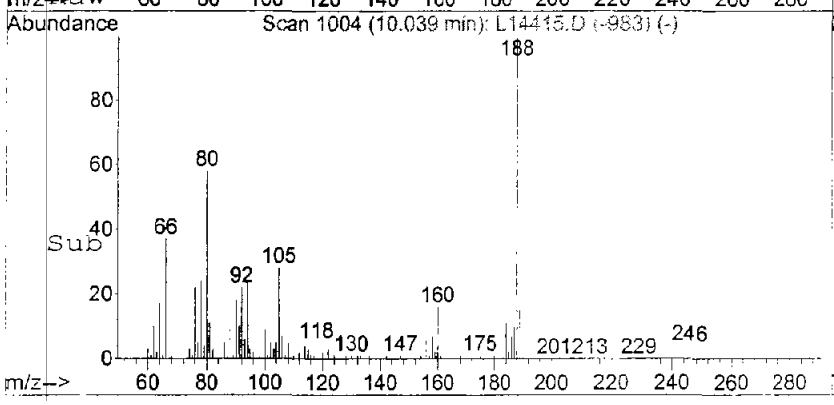
00237

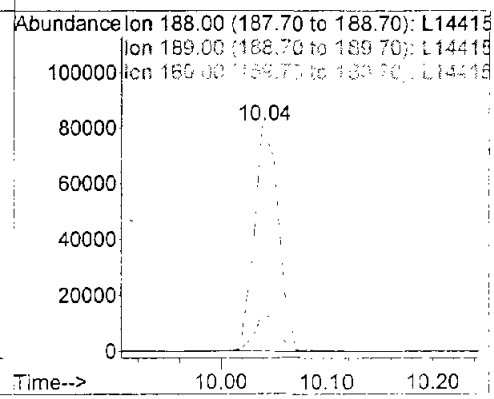


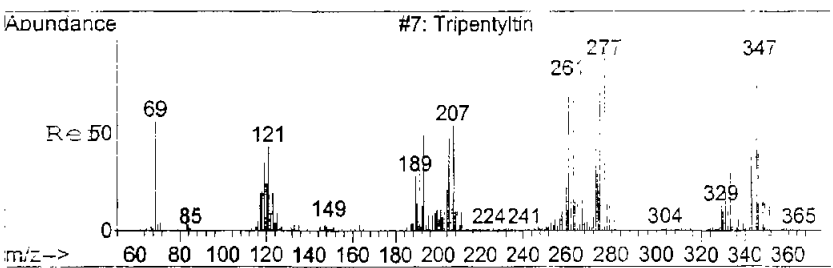
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.04 min Scan# 1004
Delta R.T. 0.01 min
Lab File: L14415.D
Acq: 24 Nov 2004 22:23

Tgt Ion:188 Resp: 149557

Ion	Ratio	Lower	Upper
188	100		
189	12.9	7.9	18.3
160	14.3	9.1	21.3



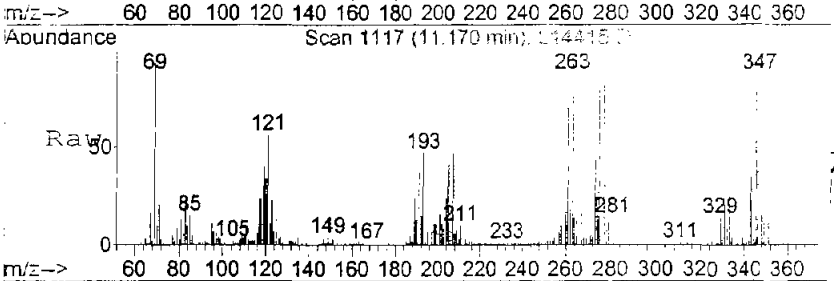


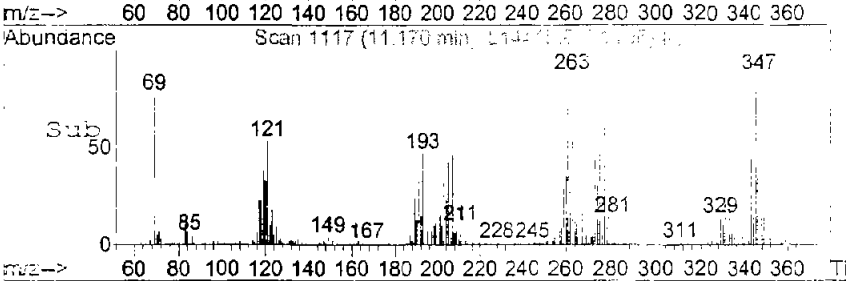


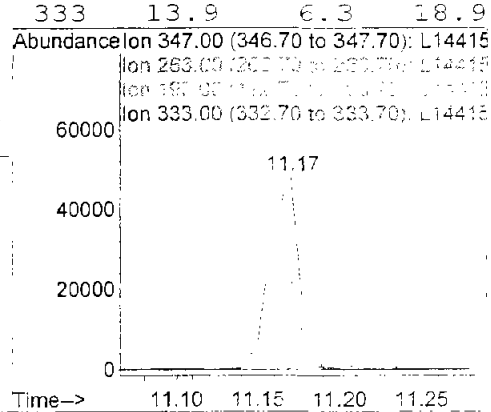
#2
Tripentyltin (S)
Concen: 77.09 PG/UL
RT: 11.17 min Scan# 1117
Delta R.T. 0.01 min
Lab File: L14415.D
Acq: 24 Nov 2004 22:23

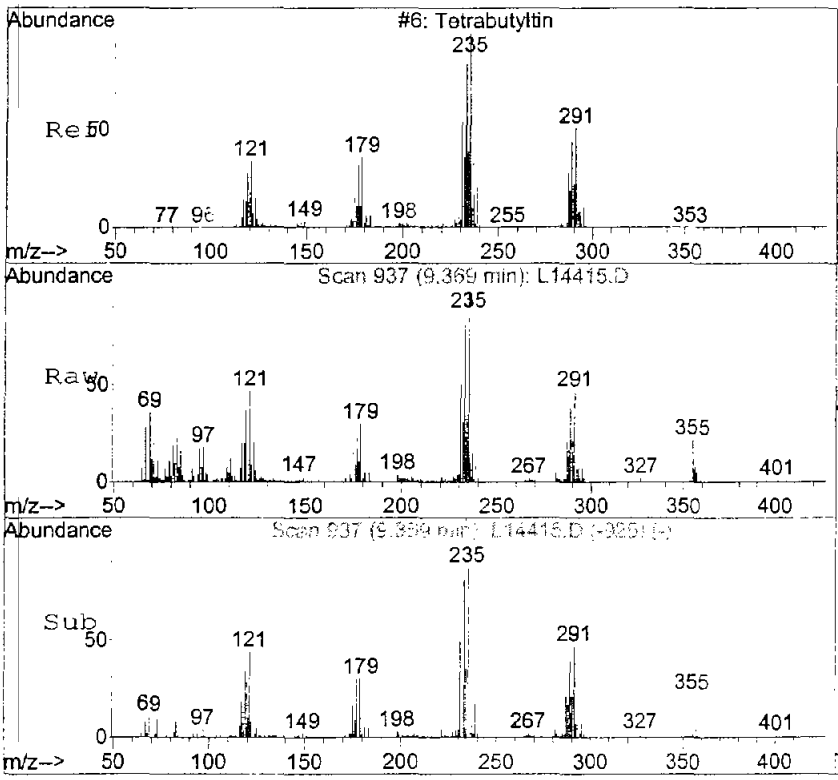
Tgt Ion:347 Resp: 125771

Ion	Ratio	Lower	Upper
347	100		
263	51.1	17.0	68.0
193	24.5	10.1	30.3
333	13.9	6.3	18.9





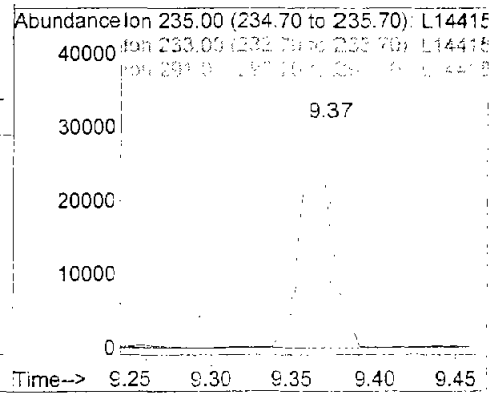


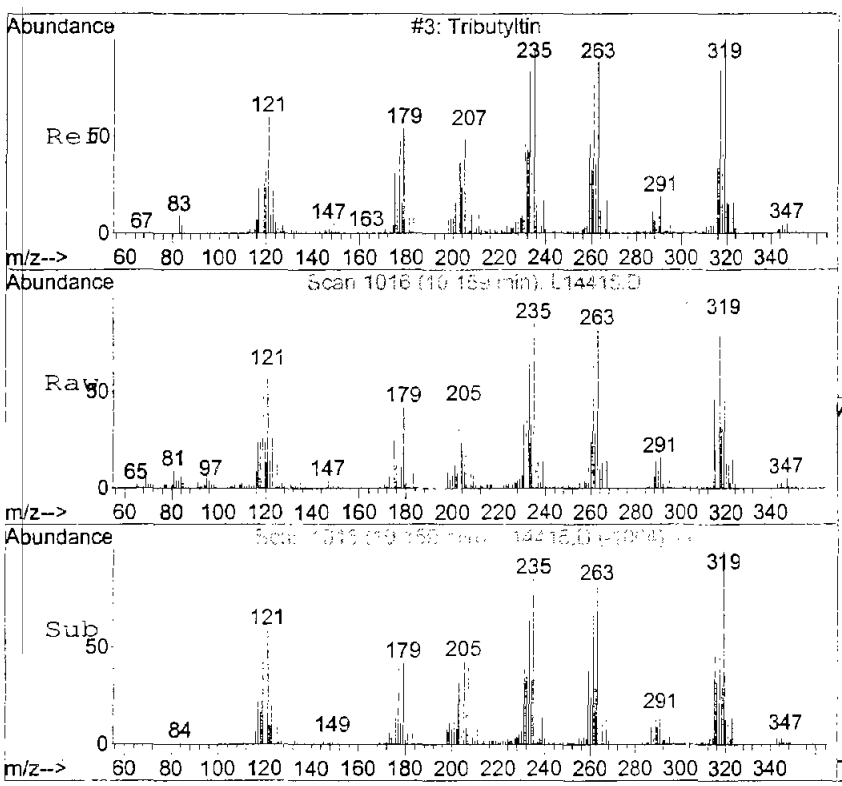


#3
Tetrabutyltin
Concen: 65.00 PG/UL
RT: 9.37 min Scan# 937
Delta R.T. 0.02 min
Lab File: L14415.D
Acq: 24 Nov 2004 22:23

Tgt Ion:235 Resp: 94555

Ion	Ratio	Lower	Upper
235	100		
233	35.7	24.5	45.5
291	19.6	15.6	29.0

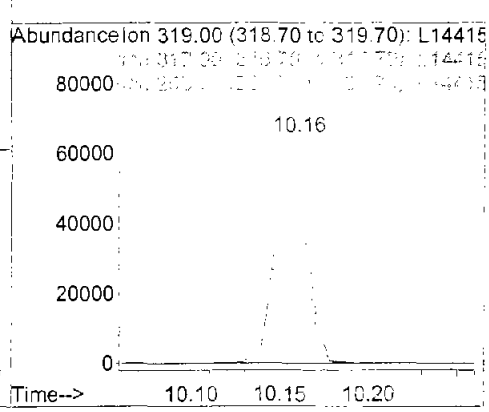


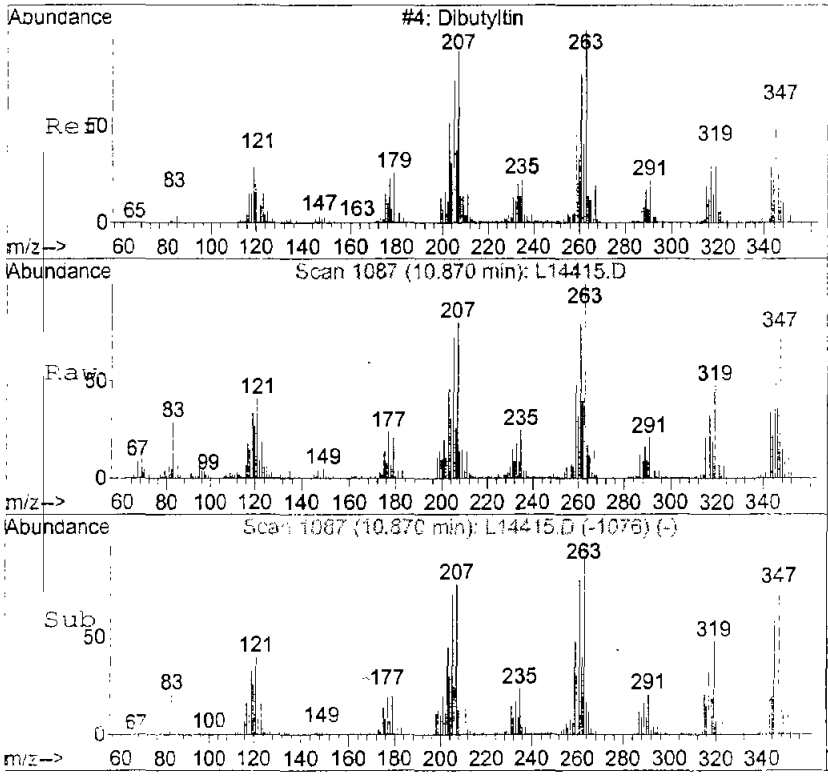


#4
Tributyltin
Concen: 82.30 PG/UL
RT: 10.16 min Scan# 1016
Delta R.T. 0.02 min
Lab File: L14415.D
Acq: 24 Nov 2004 22:23

Tgt Ion:319 Resp: 208619

Ion	Ratio	Lower	Upper
319	100		
317	29.1	20.5	38.1
263	33.3	23.0	42.8

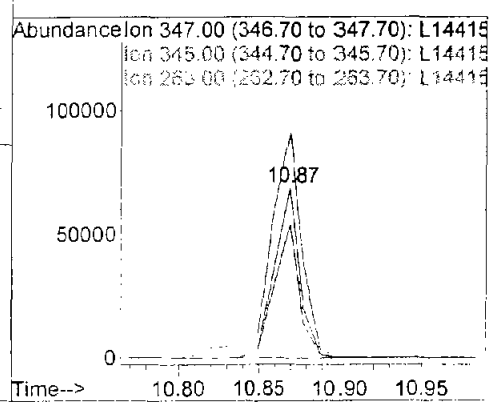


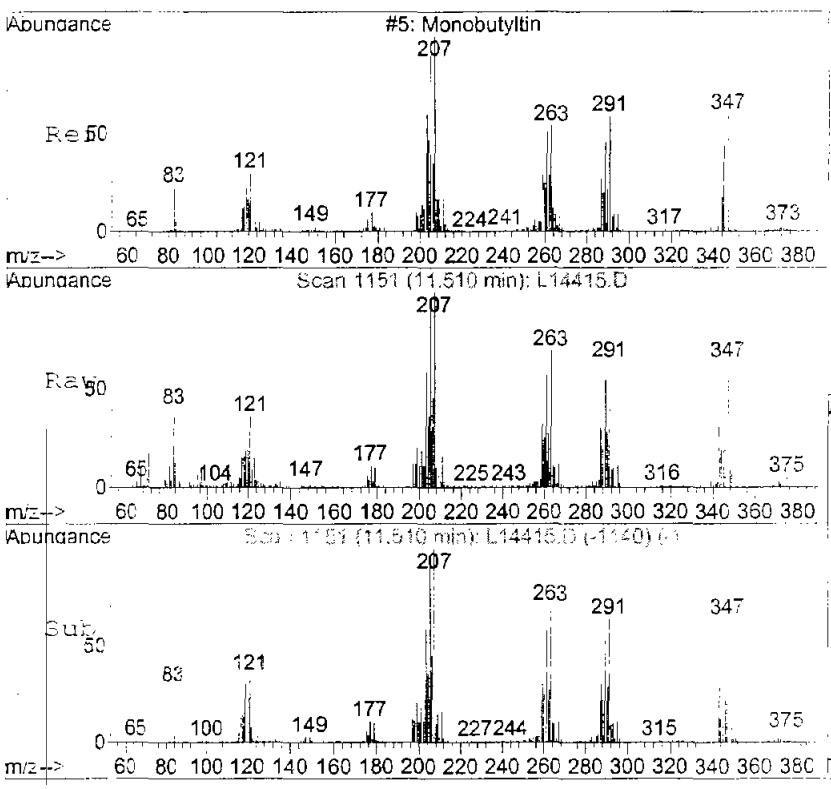


#5
Dibutyltin
Concen: 61.12 PG/UL
RT: 10.87 min Scan# 1087
Delta R.T. 0.01 min
Lab File: L14415.D
Acq: 24 Nov 2004 22:23

Tgt Ion:347 Resp: 206773

Ion	Ratio	Lower	Upper
347	100		
345	29.4	20.9	38.7
263	62.1	42.9	79.7

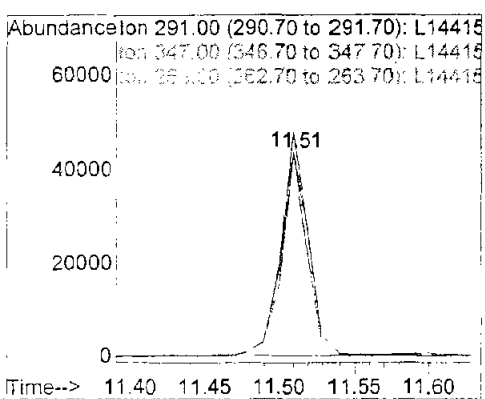




#6
Monobutyltin
Concen: 46.43 PG/UL
RT: 11.51 min Scan# 1151
Delta R.T. 0.01 min
Lab File: L14415.D
Acq: 24 Nov 2004 22:23

Tgt Ion:291 Resp: 178194

Ion	Ratio	Lower	Upper
291	100		
347	30.5	22.8	42.4
263	36.1	22.7	42.3



Quantitation Report (Not Reviewed)

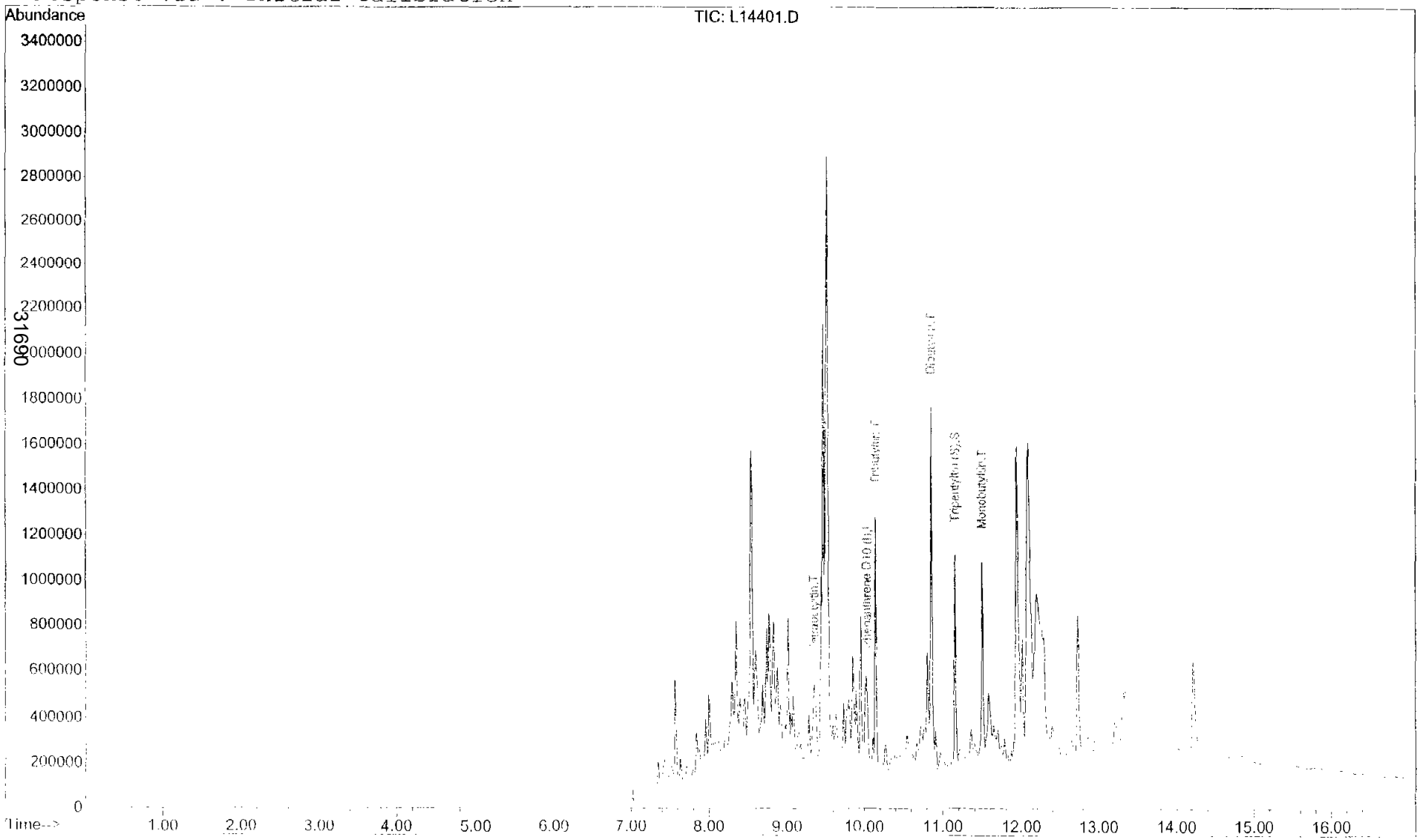
Data File : T:\DATA\11292004\L14401.D Vial: 0
Acq On : 24 Nov 2004 16:21 Operator:
Sample : STN0118 BS #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:16:04 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

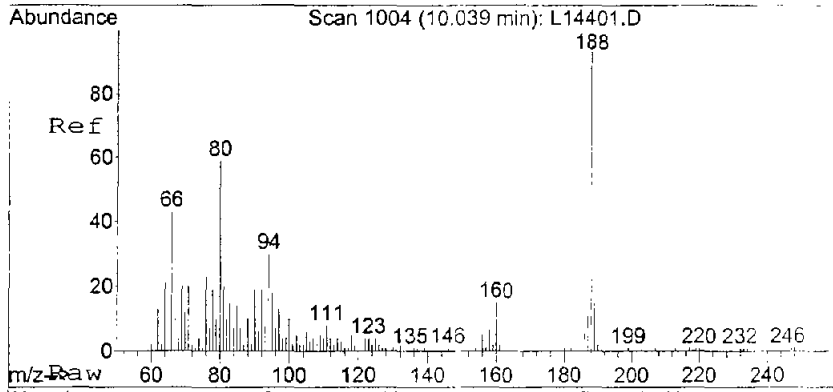
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.04	188	128616+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.16	347	119371+	85.08	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.36	235	86721+	69.32	PG/UL	98
4) Tributyltin	10.15	319	193197+	88.62	PG/UL	99
5) Dibutyltin	10.86	347	205659+	70.69	PG/UL	99
6) Monobutyltin	11.50	291	165341+	50.09	PG/UL	94

Data File : T:\DATA\11292004\L14401.D Vial: 0
Acq On : 24 Nov 2004 16:21 Operator:
Sample : STN0118 BS #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:16 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



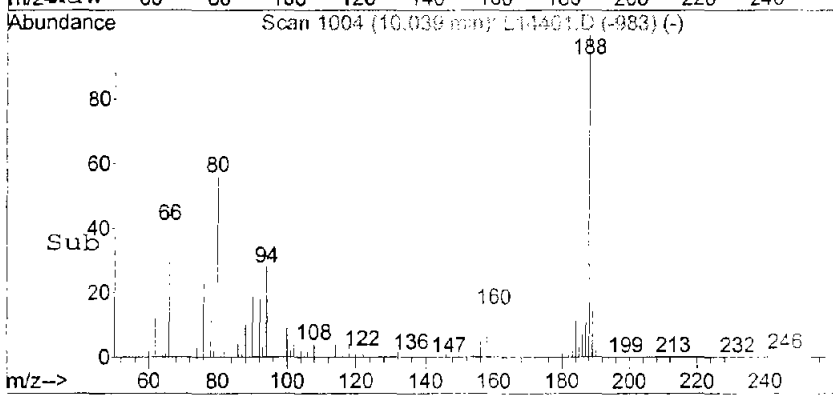
00742

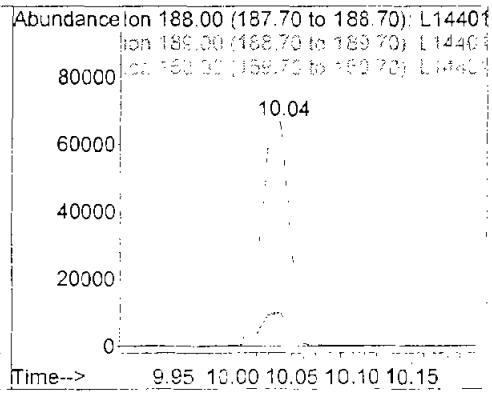


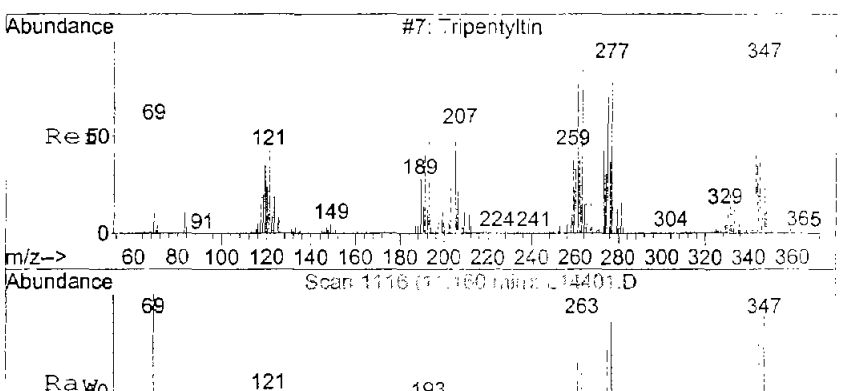
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.04 min Scan# 1004
Delta R.T. 0.01 min
Lab File: L14401.D
Acq: 24 Nov 2004 16:21

Tgt Ion:188 Resp: 128616

Ion	Ratio	Lower	Upper
188	100		
189	14.1	7.9	18.3
160	13.7	9.1	21.3



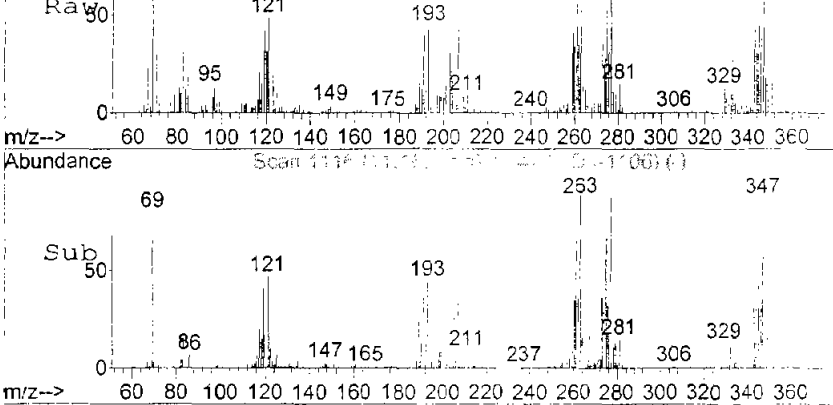


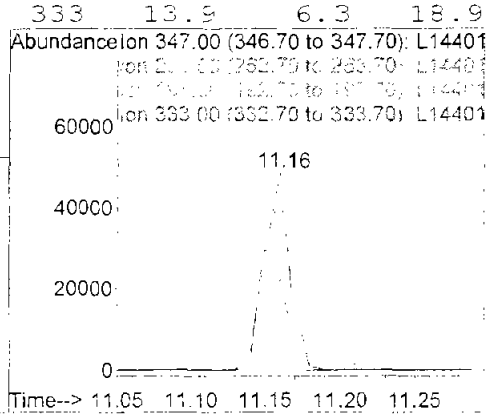


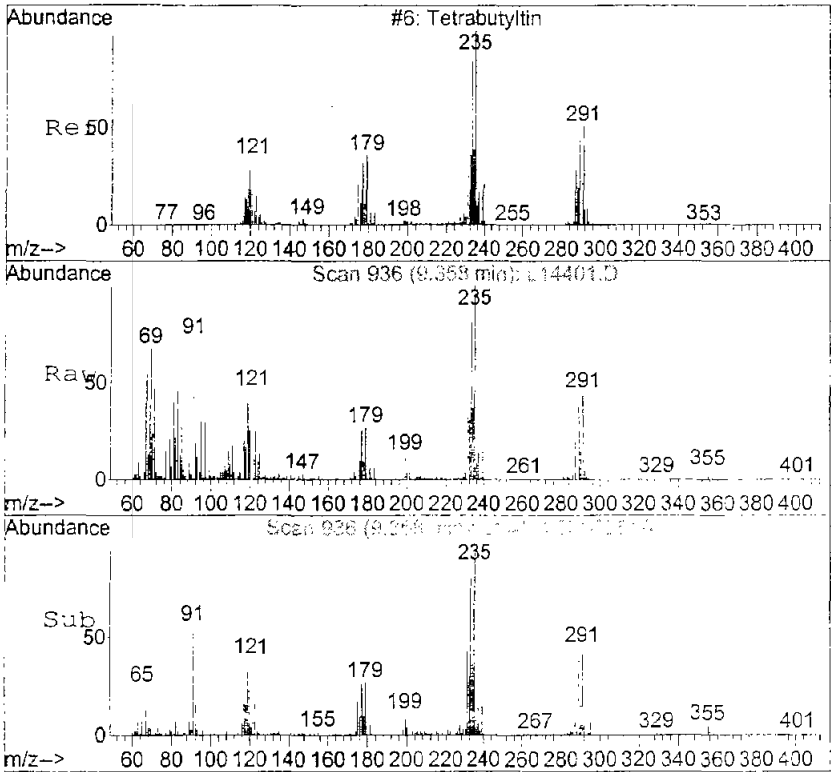
#2
Tripentyltin (S)
Concen: 85.08 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. 0.00 min
Lab File: L14401.D
Acq: 24 Nov 2004 16:21

Tgt Ion:347 Resp: 119371

Ion	Ratio	Lower	Upper
347	100		
263	51.0	17.0	68.0
193	22.7	10.1	30.3
333	13.9	6.3	18.9



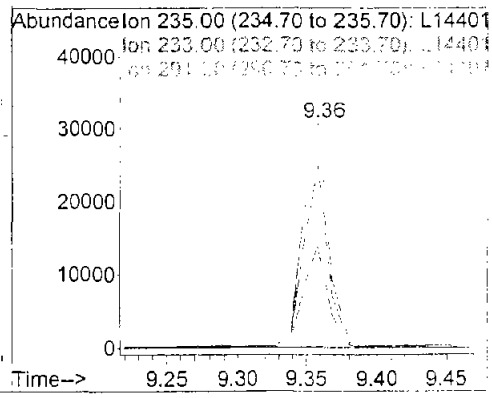


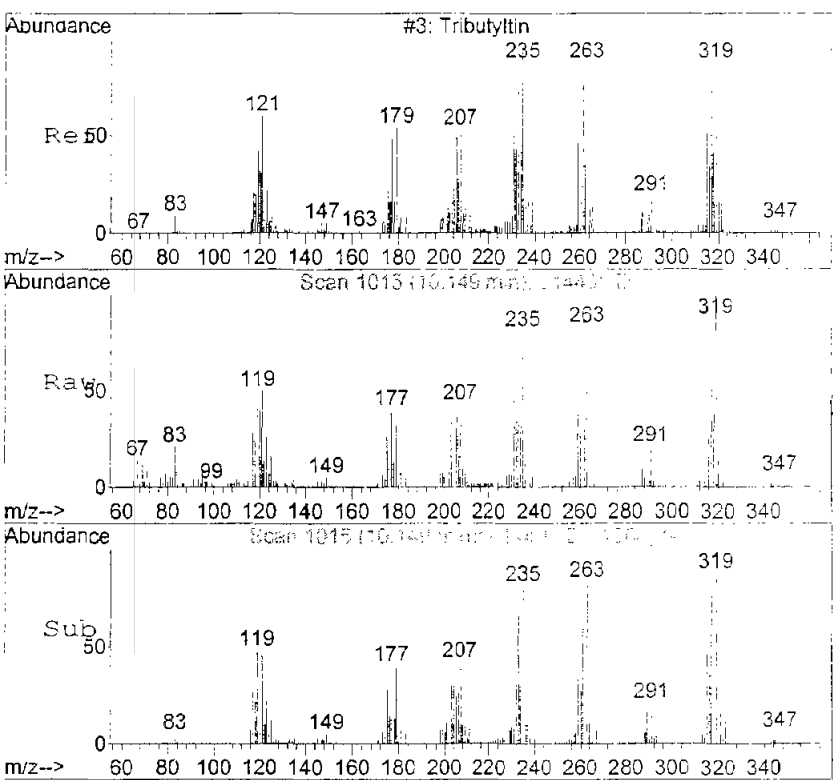


#3
Tetrabutyltin
Concen: 69.32 PG/UL
RT: 9.36 min Scan# 936
Delta R.T. 0.01 min
Lab File: L14401.D
Acq: 24 Nov 2004 16:21

Tgt Ion:235 Resp: 86721

Ion	Ratio	Lower	Upper
235	100		
233	34.8	24.5	45.5
291	19.7	15.6	29.0

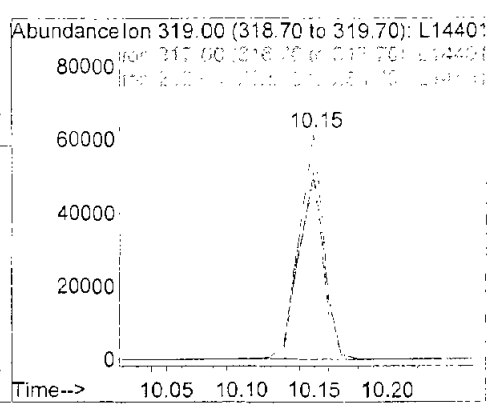


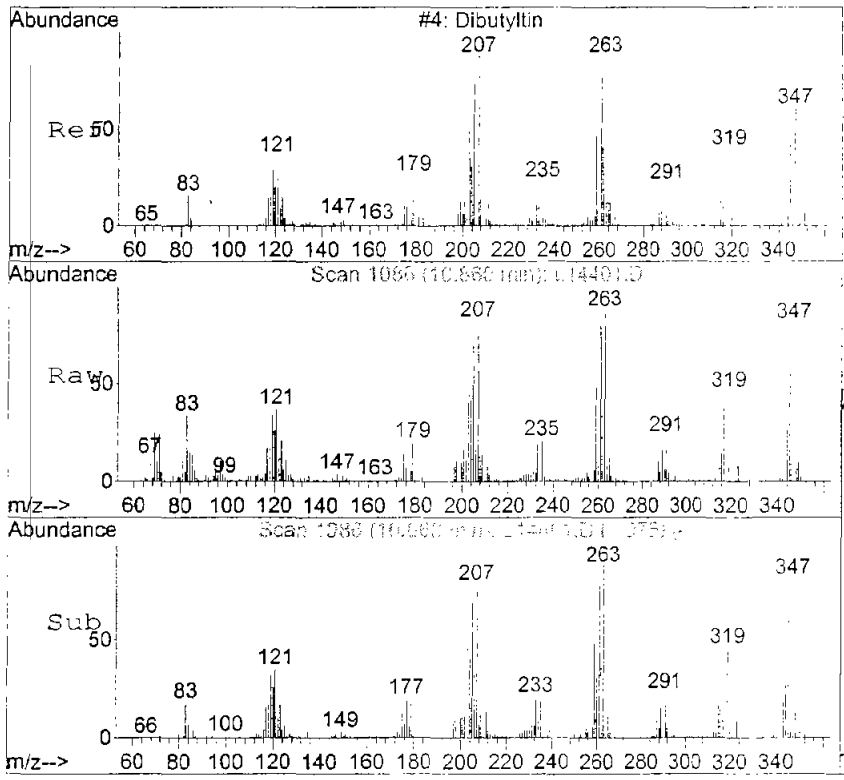


#4
Tributyltin
Concen: 88.62 PG/UL
RT: 10.15 min Scan# 1015
Delta R.T. 0.01 min
Lab File: L14401.D
Acq: 24 Nov 2004 16:21

Tgt Ion:319 Resp: 193197

Ion	Ratio	Lower	Upper
319	100		
317	29.9	20.5	38.1
263	32.8	23.0	42.8

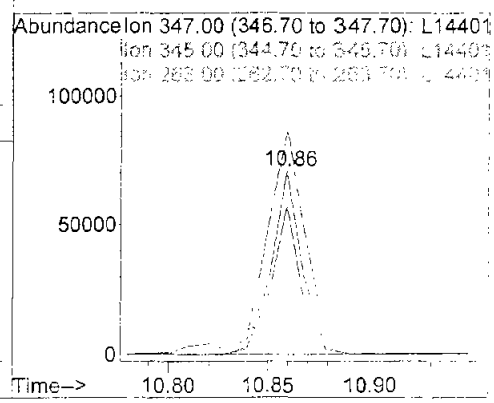


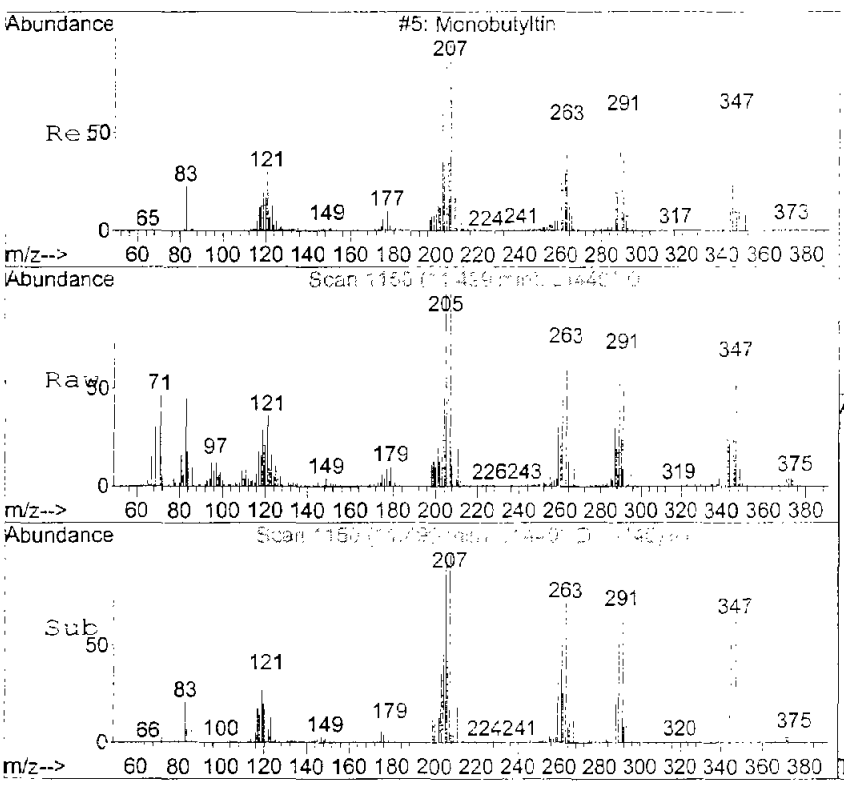


#5
Dibutyltin
Concen: 70.69 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.00 min
Lab File: L14401.D
Acq: 24 Nov 2004 16:21

Tgt Ion:347 Resp: 205659

Ion	Ratio	Lower	Upper
347	100		
345	31.0	20.9	38.7
263	60.8	42.9	79.7

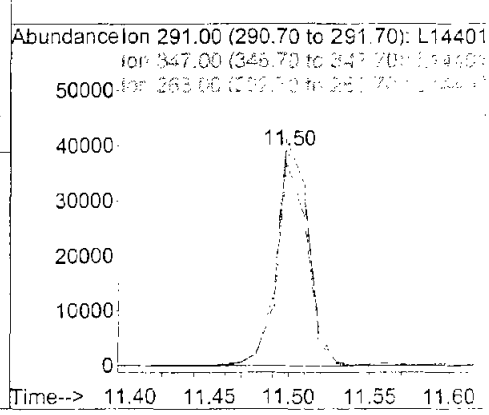




#6
Monobutyltin
Concen: 50.09 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. -0.00 min
Lab File: L14401.D
Acq: 24 Nov 2004 16:21

Tgt Ion:291 Resp: 165341

Ion	Ratio	Lower	Upper
291	100		
347	30.1	22.8	42.4
263	36.1	22.7	42.3



Quantitation Report (Not Reviewed)

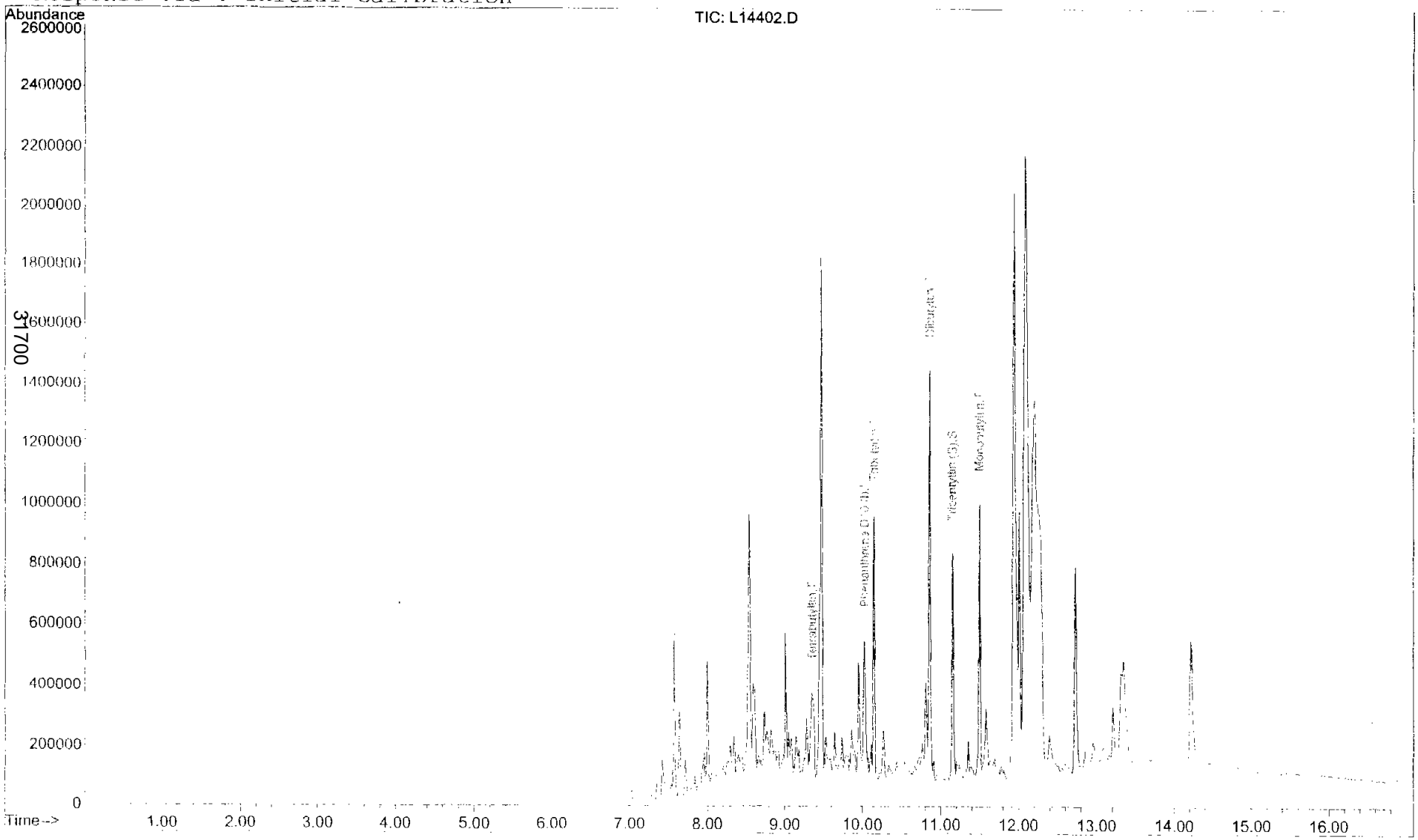
Data File : T:\DATA\11292004\L14402.D Vial: 0
Acq On : 24 Nov 2004 16:45 Operator:
Sample : STN0118 BSD #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:16:15 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	134733+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	103390+	70.34	PG/UL	-0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	83479+	63.70	PG/UL	99
4) Tributyltin	10.14	319	176384+	77.24	PG/UL	100
5) Dibutyltin	10.86	347	186300+	61.13	PG/UL	99
6) Monobutyltin	11.50	291	147186+	42.57	PG/UL	96

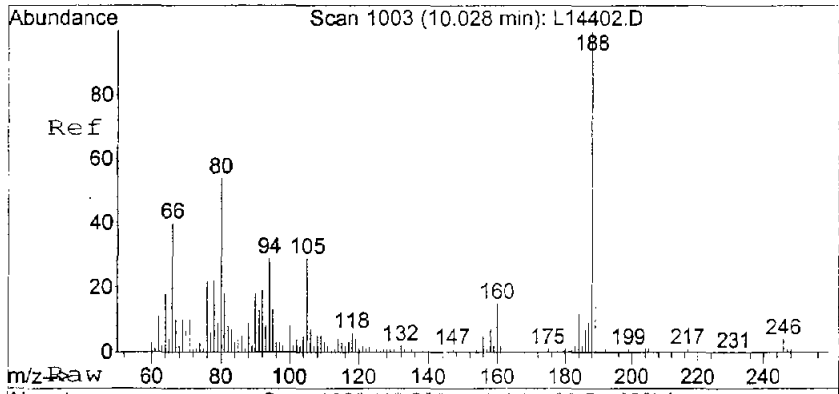
Data File : T:\DATA\11292004\L14402.D Vial: 0
Acq On : 24 Nov 2004 16:45 Operator:
Sample : STN0118 BSD #15.0000 &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:16 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



31700

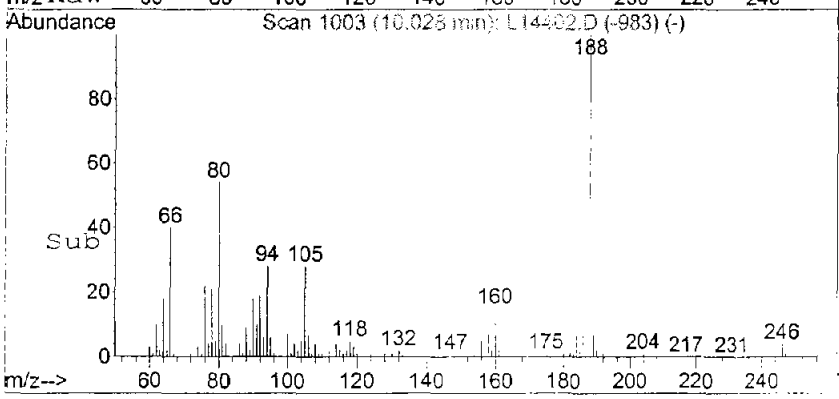
00747

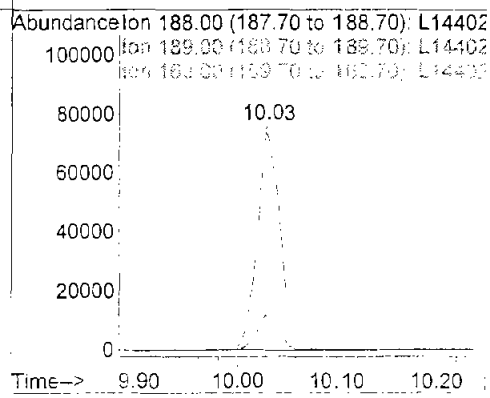


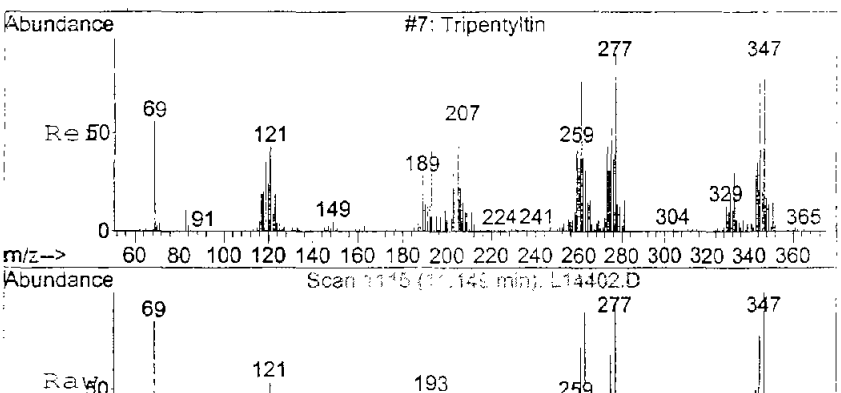
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. -0.00 min
Lab File: L14402.D
Acq: 24 Nov 2004 16:45

Tgt Ion:188 Resp: 134733

Ion	Ratio	Lower	Upper
188	100		
189	13.8	7.9	18.3
160	14.3	9.1	21.3



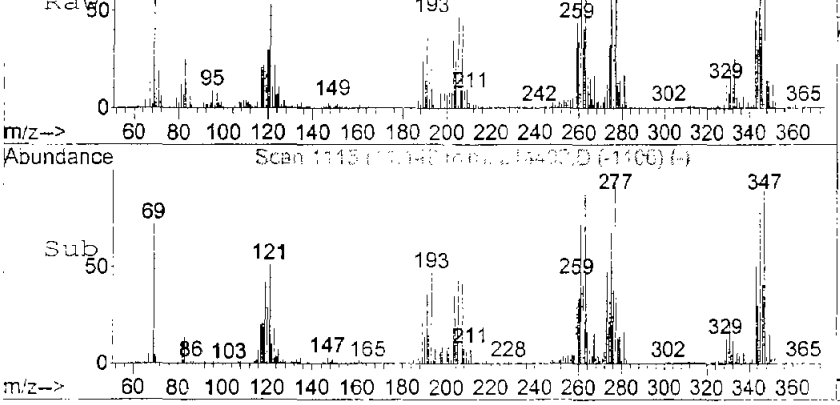


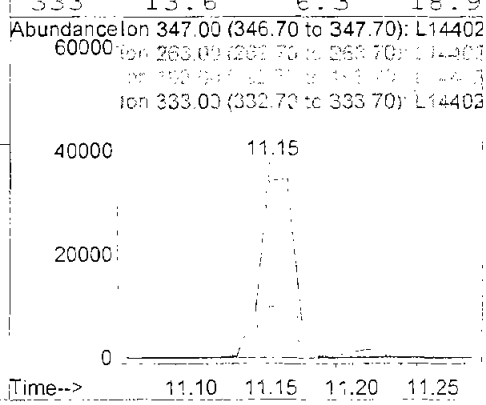


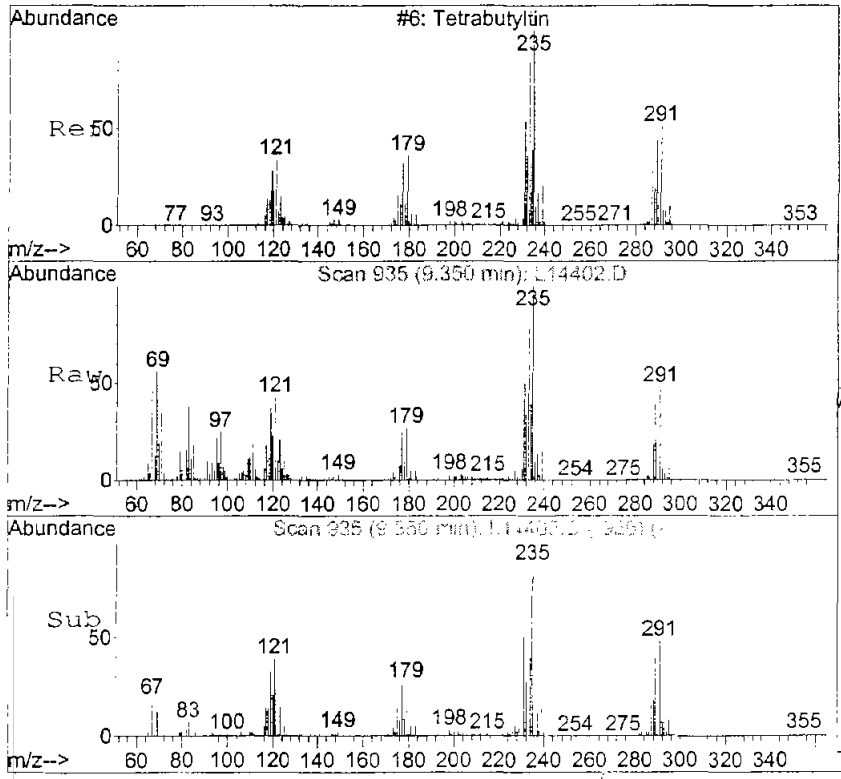
#2
Tripentyltin (S)
Concen: 70.34 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14402.D
Acq: 24 Nov 2004 16:45

Tgt Ion:347 Resp: 103390

Ion	Ratio	Lower	Upper
347	100		
263	49.2	17.0	68.0
193	24.5	10.1	30.3
333	13.6	6.3	18.9



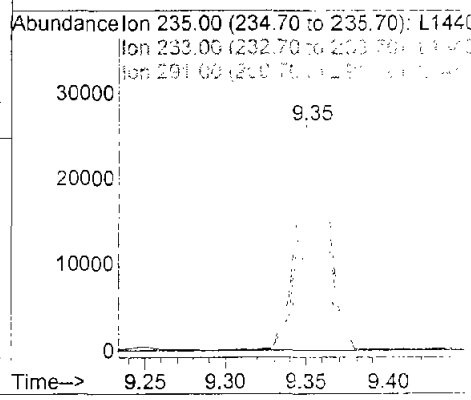


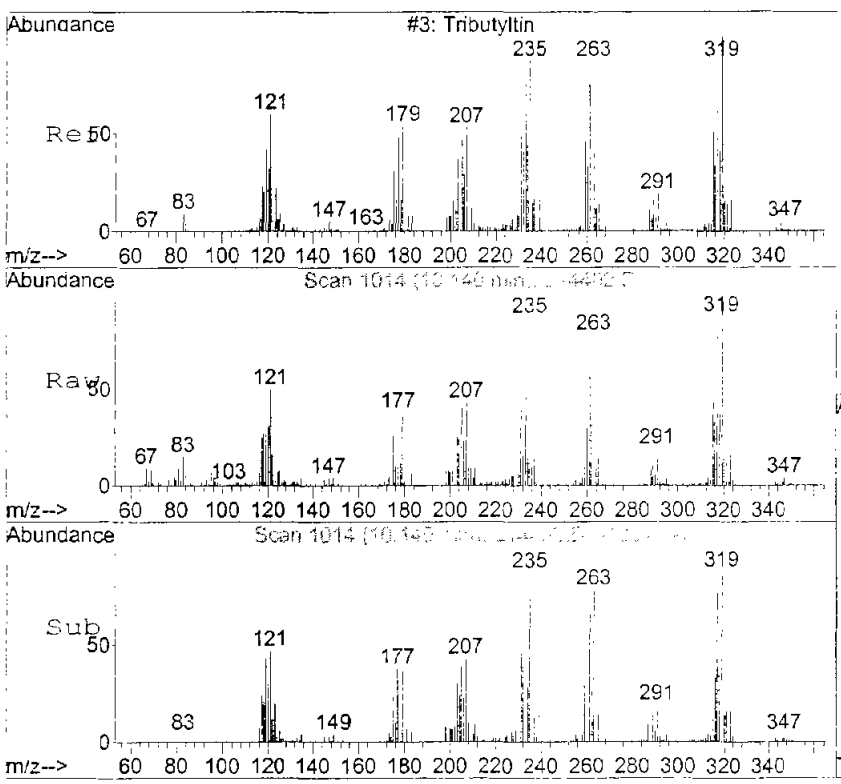


#3
Tetrabutyltin
Concen: 63.70 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14402.D
Acq: 24 Nov 2004 16:45

Tgt Ion:235 Resp: 83479

Ion	Ratio	Lower	Upper
235	100		
233	34.7	24.5	45.5
291	20.9	15.6	29.0

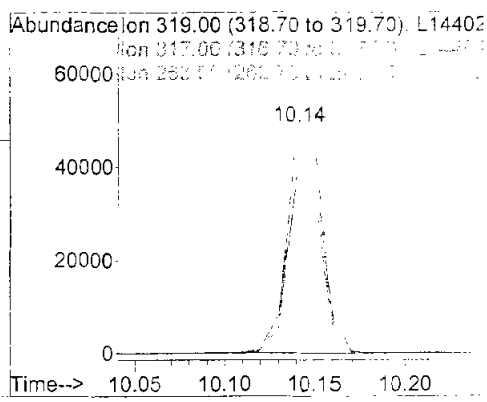


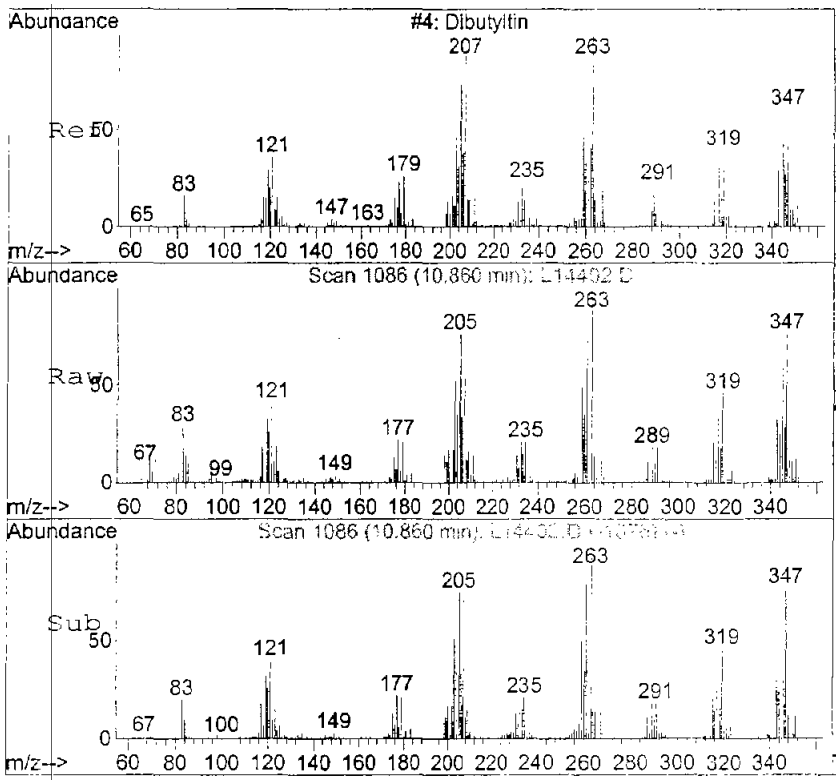


#4
Tributyltin
Concen: 77.24 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14402.D
Acq: 24 Nov 2004 16:45

Tgt Ion:319 Resp: 176384

Ion	Ratio	Lower	Upper
319	100		
317	29.4	20.5	38.1
263	33.2	23.0	42.8

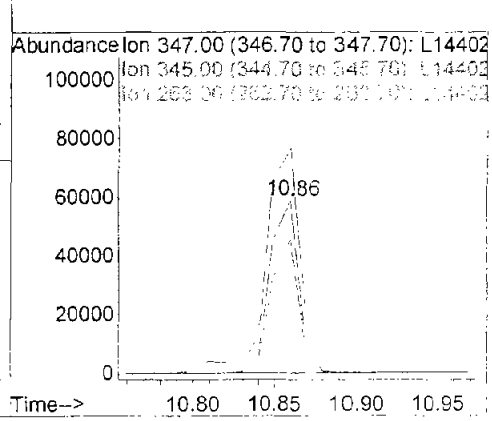


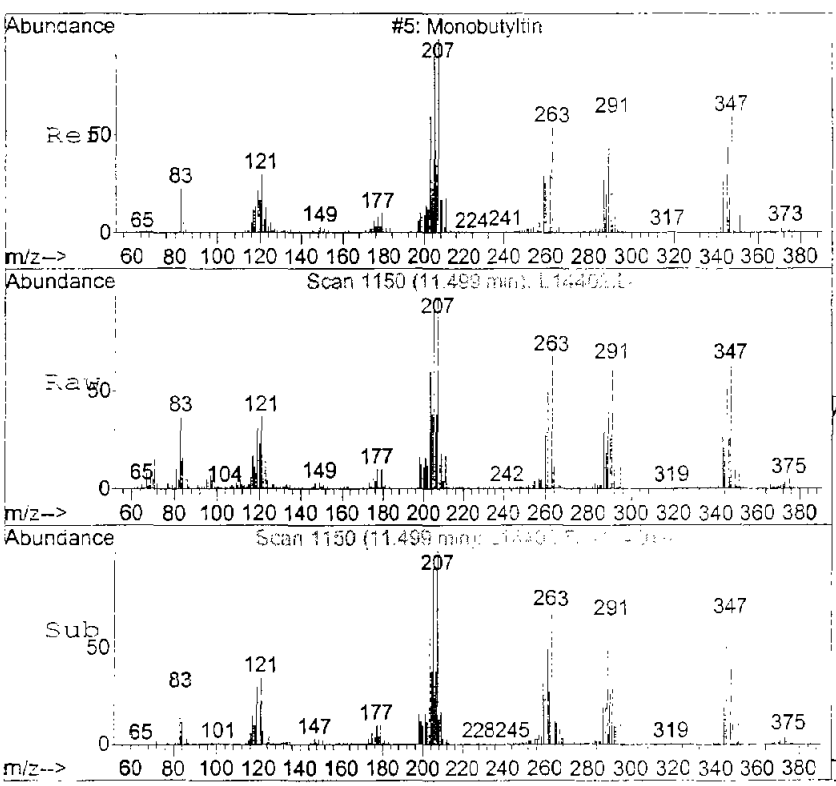


#5
Dibutyltin
Concen: 61.13 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.00 min
Lab File: L14402.D
Acq: 24 Nov 2004 16:45

Tgt Ion:347 Resp: 186300

Ion	Ratio	Lower	Upper
347	100		
345	29.7	20.9	38.7
263	60.5	42.9	79.7

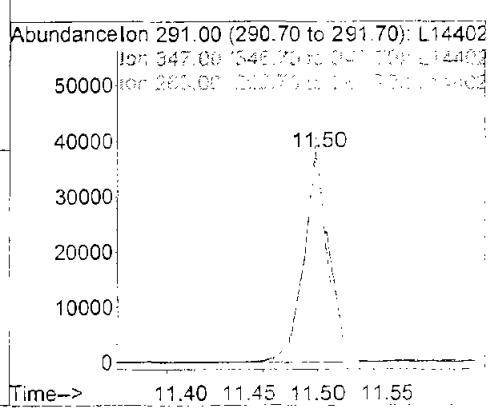




#6
Monobutyltin
Concen: 42.57 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. -0.00 min
Lab File: L14402.D
Acq: 24 Nov 2004 16:45

Tgt Ion:291 Resp: 147186

Ion	Ratio	Lower	Upper
291	100		
347	31.3	22.8	42.4
263	35.2	22.7	42.3



MATIX SPIKE / MATRIX SPIKE DUPLICATE

00751

Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14416.D Vial: 0
Acq On : 24 Nov 2004 22:48 Operator:
Sample : 124993-11 MS &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:30:52 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.05	188	144898+	100.00	pg/ul	0.02
System Monitoring Compounds						
2) Tripentyltin (S)	11.17	347	121568+	76.91	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.37	235	71939+	51.04	PG/UL	97
4) Tributyltin	10.16	319	190010+	77.37	PG/UL	97
5) Dibutyltin	10.87	347	211444+	64.51	PG/UL	97
6) Monobutyltin	11.51	291	126398+	33.99	PG/UL	90

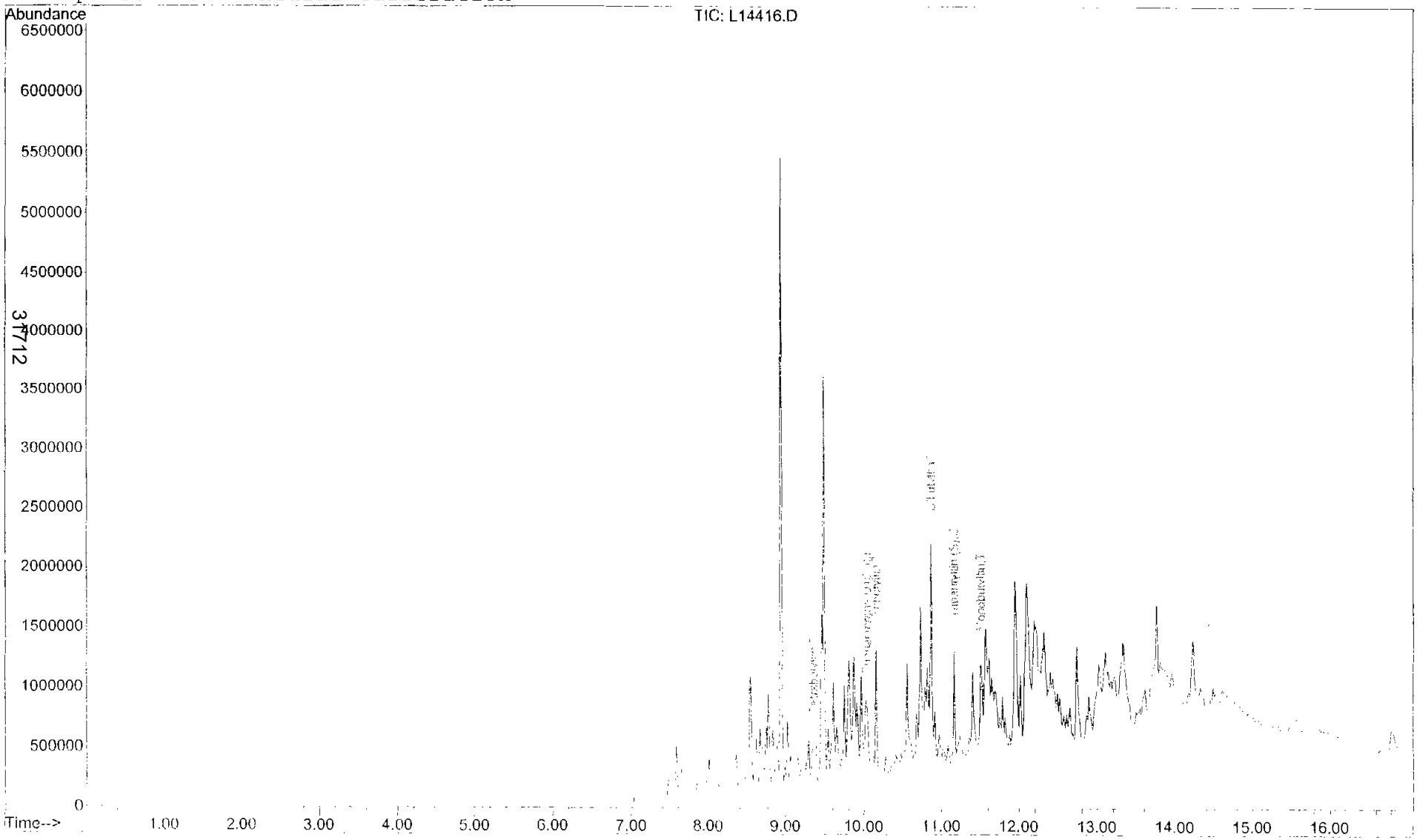
Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14416.D
Acq On : 24 Nov 2004 22:48
Sample : 124993-11 MS &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 29 14:30 2004

Vial: 0
Operator:
Inst :
Multiplr: 1.00

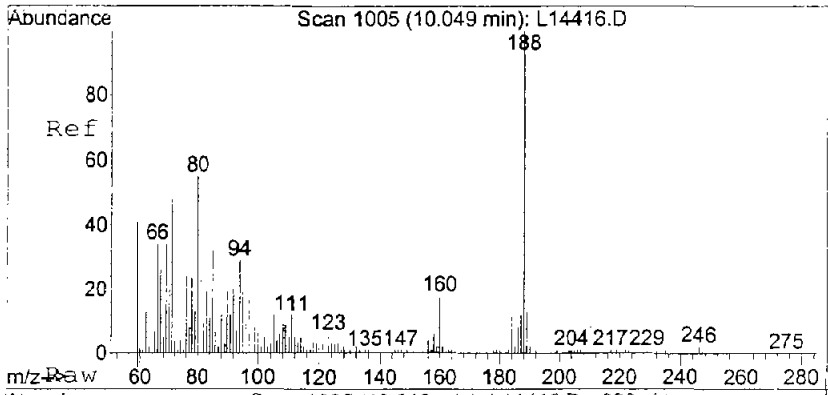
Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



3712

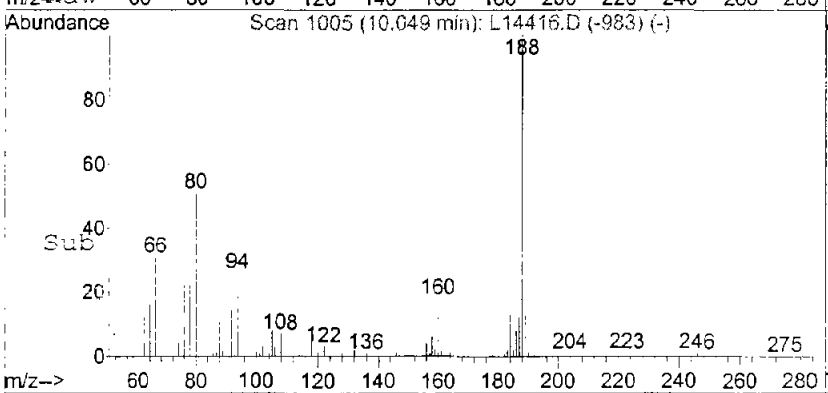
00253

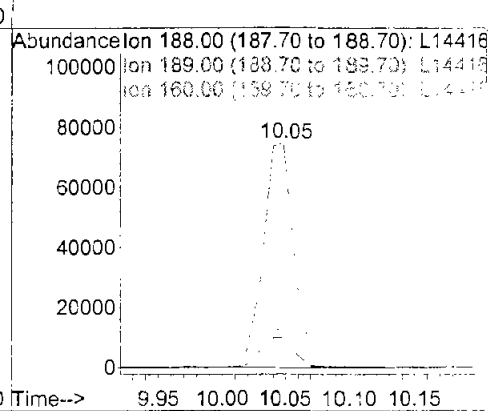


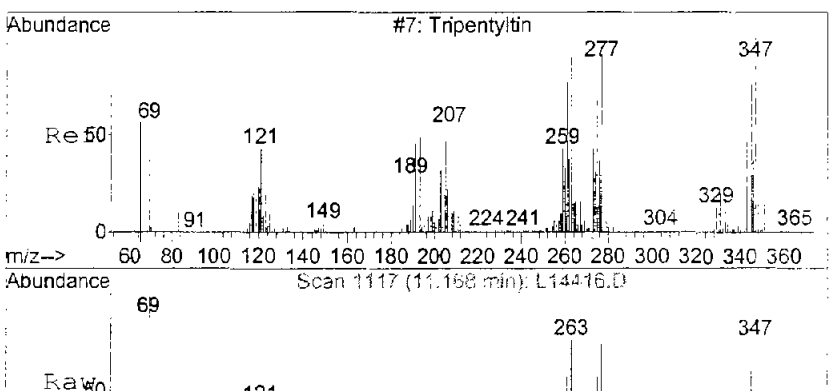
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.05 min Scan# 1005
Delta R.T. 0.02 min
Lab File: L14416.D
Acq: 24 Nov 2004 22:48

Tgt Ion:188 Resp: 144898

Ion	Ratio	Lower	Upper
188	100		
189	12.7	7.9	18.3
160	15.2	9.1	21.3



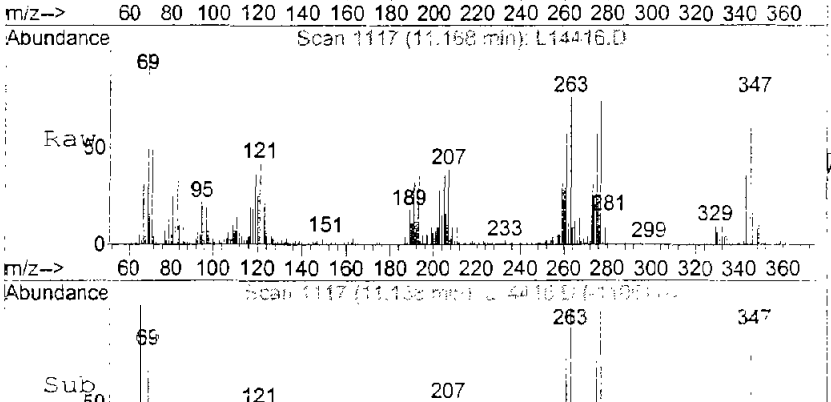


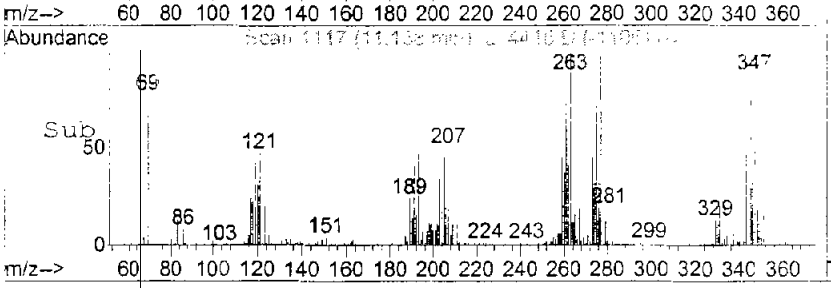


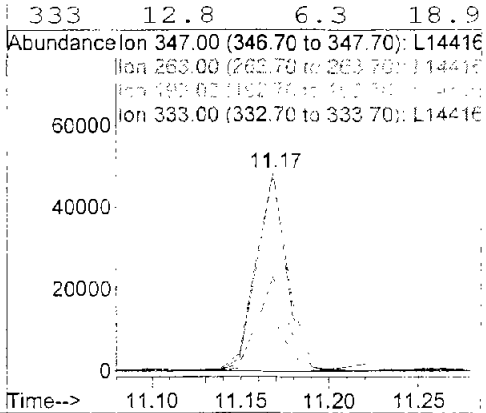
#2
Tripentyltin (S)
Concen: 76.91 PG/UL
RT: 11.17 min Scan# 1117
Delta R.T. 0.01 min
Lab File: L14416.D
Acq: 24 Nov 2004 22:48

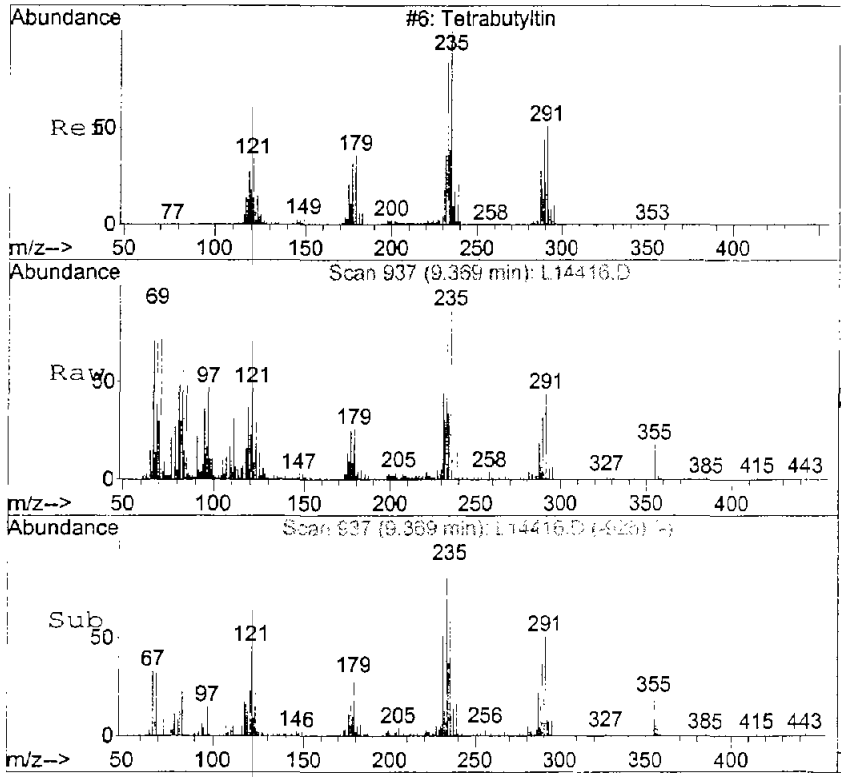
Tgt Ion:347 Resp: 121568

Ion	Ratio	Lower	Upper
347	100		
263	53.2	17.0	68.0
193	24.4	10.1	30.3
333	12.8	6.3	18.9



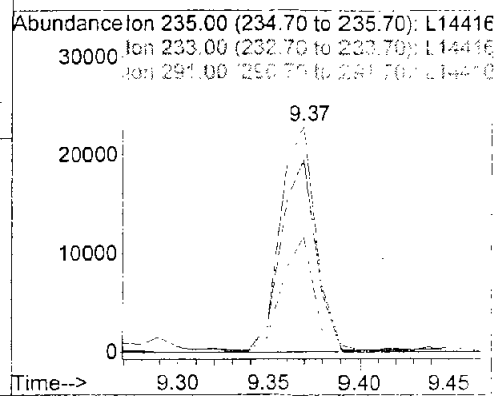


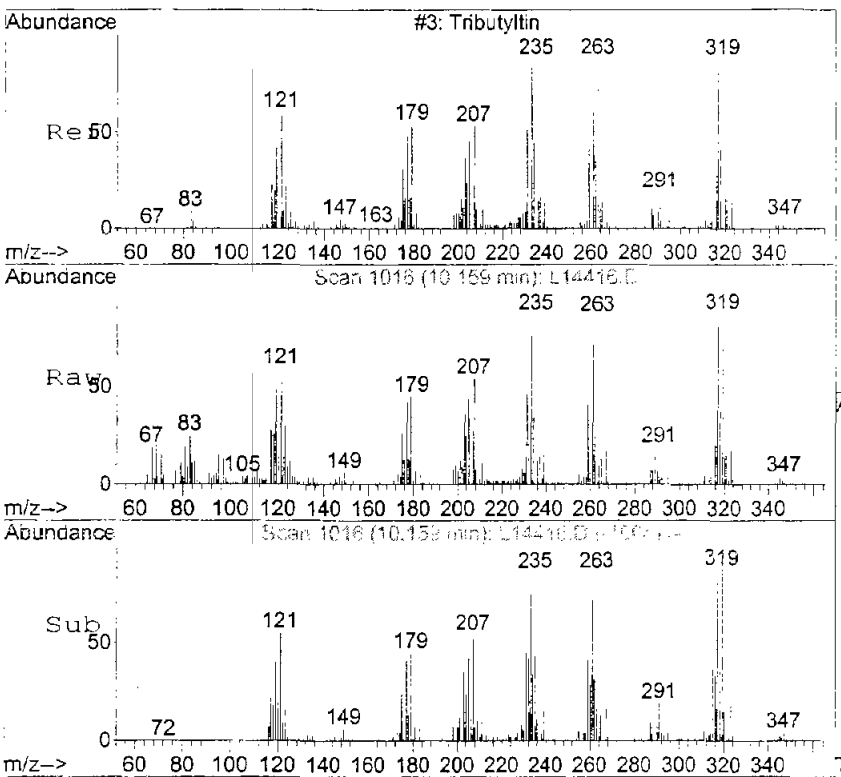




#3
Tetrabutyltin
Concen: 51.04 PG/UL
RT: 9.37 min Scan# 937
Delta R.T. 0.02 min
Lab File: L14416.D
Acq: 24 Nov 2004 22:48

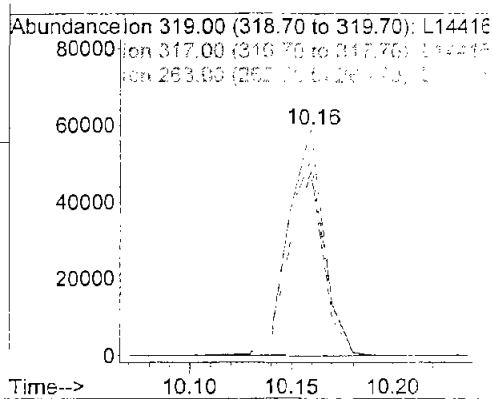
Tgt Ion:235	Resp:	71939
Ion	Ratio	Lower	Upper
235	100		
233	35.7	24.5	45.5
291	20.2	15.6	29.0

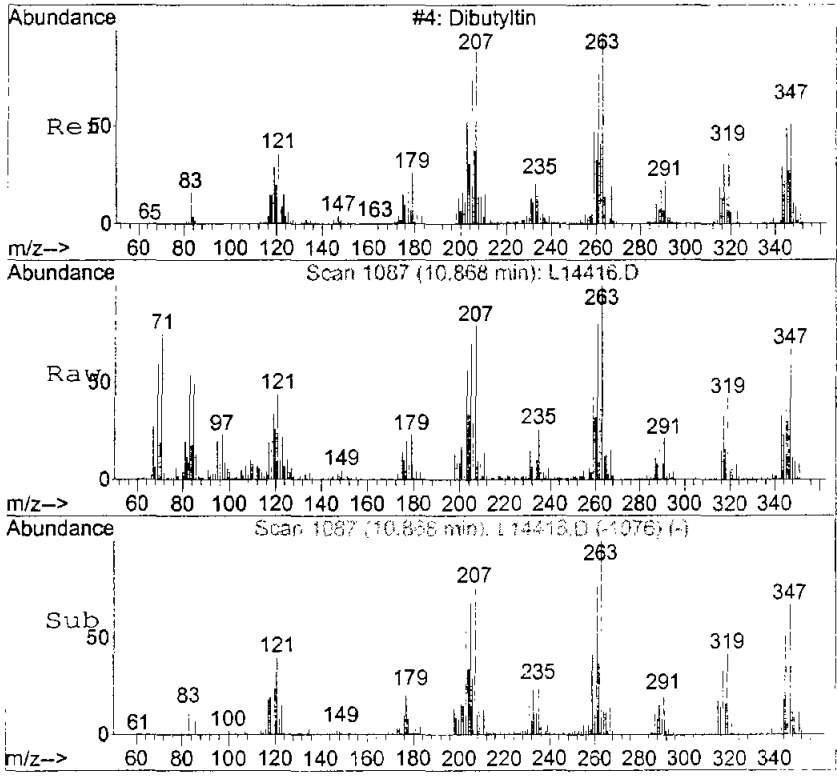




#4
Tributyltin
Concen: 77.37 PG/UL
RT: 10.16 min Scan# 1016
Delta R.T. 0.02 min
Lab File: L14416.D
Acq: 24 Nov 2004 22:48

Tgt Ion:319	Resp:	190010
Ion	Ratio	Lower	Upper
319	100		
317	28.7	20.5	38.1
263	35.0	23.0	42.8

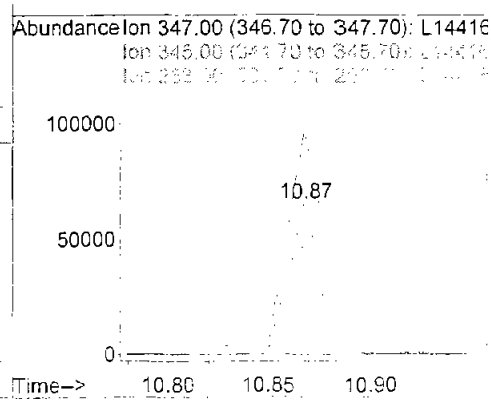


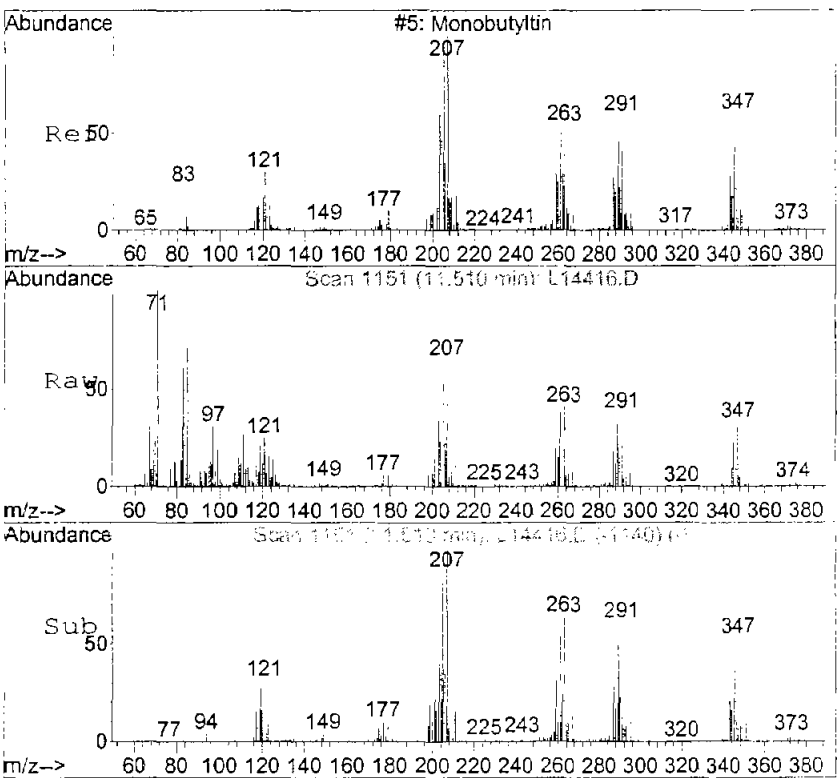


#5
Dibutyltin
Concen: 64.51 PG/UL
RT: 10.87 min Scan# 1087
Delta R.T. 0.01 min
Lab File: L14416.D
Acq: 24 Nov 2004 22:48

Tgt Ion:347 Resp: 211444

Ion	Ratio	Lower	Upper
347	100		
345	27.7	20.9	38.7
263	63.2	42.9	79.7

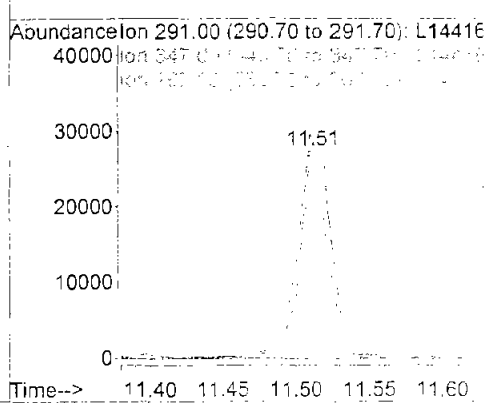




#6
Monobutyltin
Concen: 33.99 PG/UL
RT: 11.51 min Scan# 1151
Delta R.T. 0.01 min
Lab File: L14416.D
Acq: 24 Nov 2004 22:48

Tgt Ion:291 Resp: 126398

Ion	Ratio	Lower	Upper
291	100		
347	26.9	22.8	42.4
263	38.2	22.7	42.3



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14417.D Vial: 0
Acq On : 24 Nov 2004 23:12 Operator:
Sample : 124993-11 MSD &2 WATER ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:31:03 2004 Quant Results File: ORGTIN112404.RES

Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

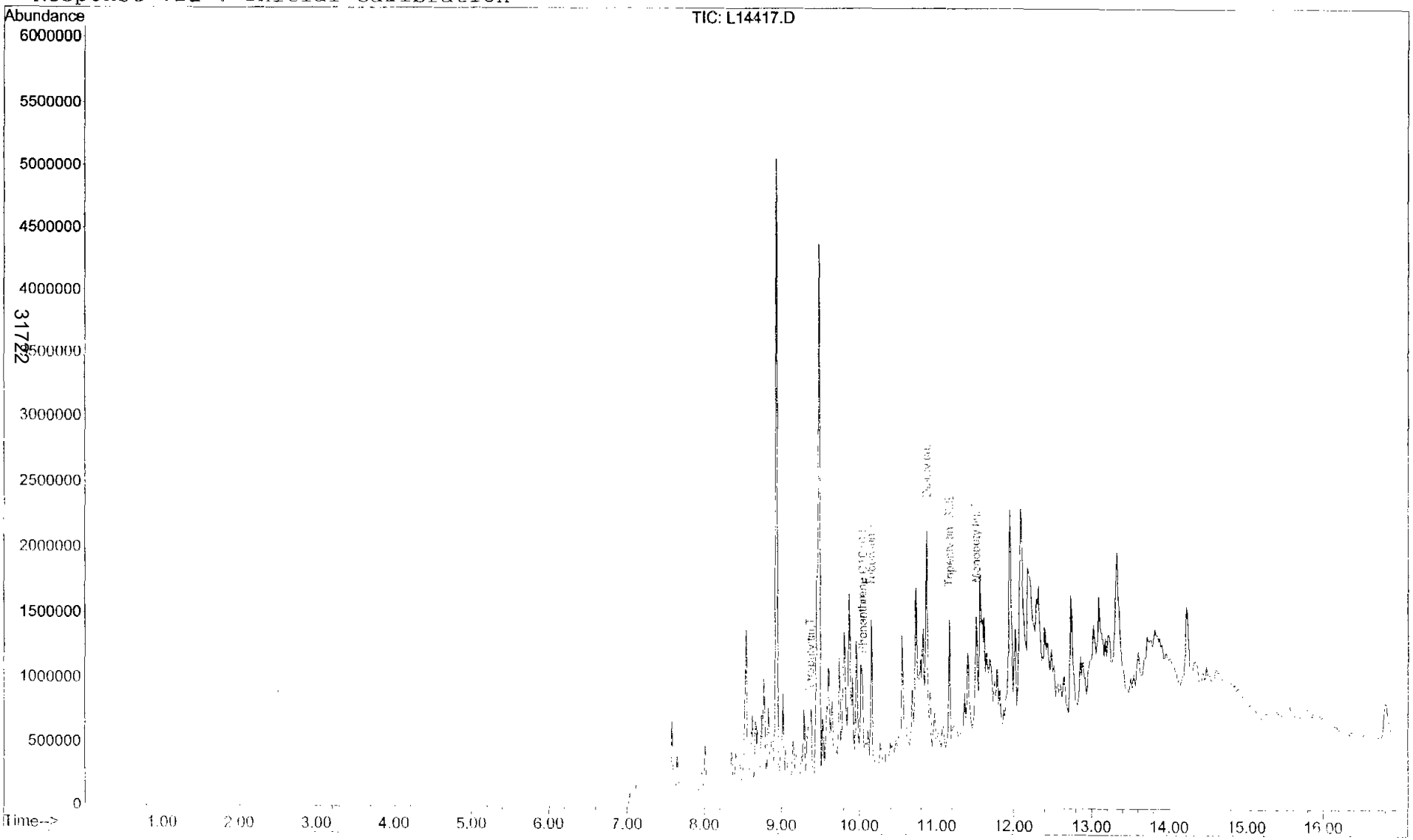
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.04	188	159967+	100.00	pg/ul	0.01
System Monitoring Compounds						
2) Tripentyltin (S)	11.16	347	126818+	72.67	PG/UL	0.00
Target Compounds						Qvalue
3) Tetrabutyltin	9.36	235	77445+	49.77	PG/UL	98
4) Tributyltin	10.15	319	204962+	75.59	PG/UL	98
5) Dibutyltin	10.86	347	215387+	59.53	PG/UL	97
6) Monobutyltin	11.51	291	138638+	33.77	PG/UL	90

Data File : F:\DATA\11292004\L14417.D
Acq On : 24 Nov 2004 23:12
Sample : 124993-11 MSD &2 WATER ORGTIN
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 29 14:31 2004

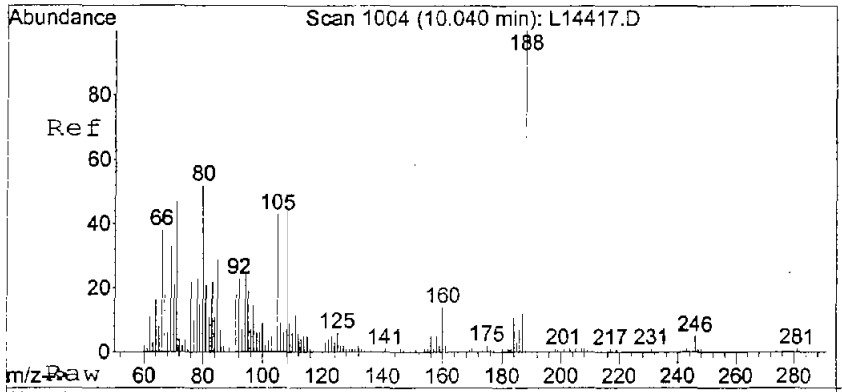
Vial: 0
Operator:
Inst :
Multiplr: 1.00

Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



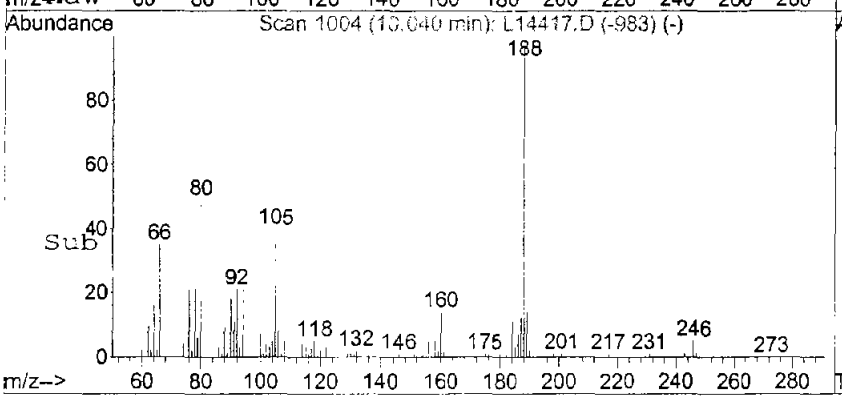
85200

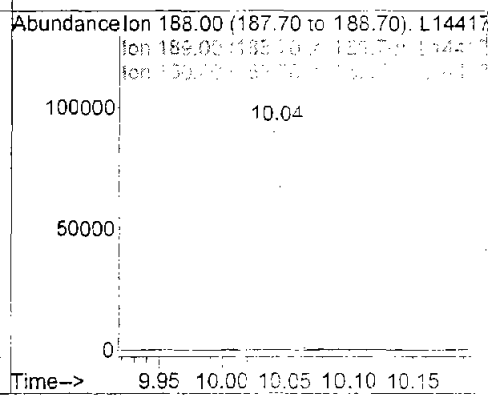


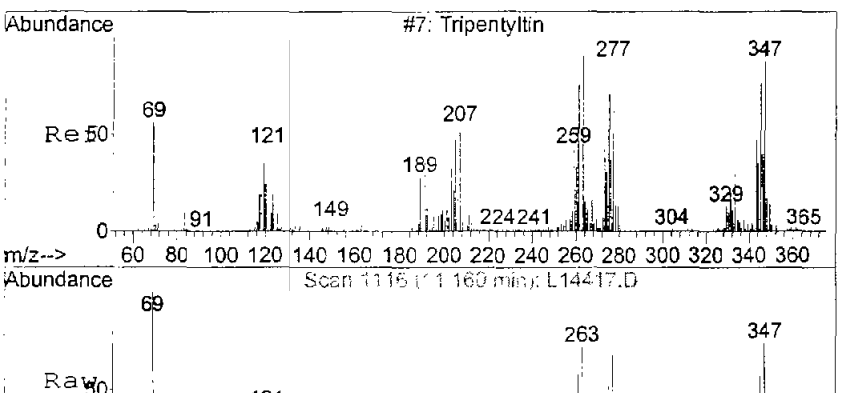
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.04 min Scan# 1004
Delta R.T. 0.01 min
Lab File: L14417.D
Acq: 24 Nov 2004 23:12

Tgt Ion:188 Resp: 159967

Ion	Ratio	Lower	Upper
188	100		
189	13.6	7.9	18.3
160	14.3	9.1	21.5



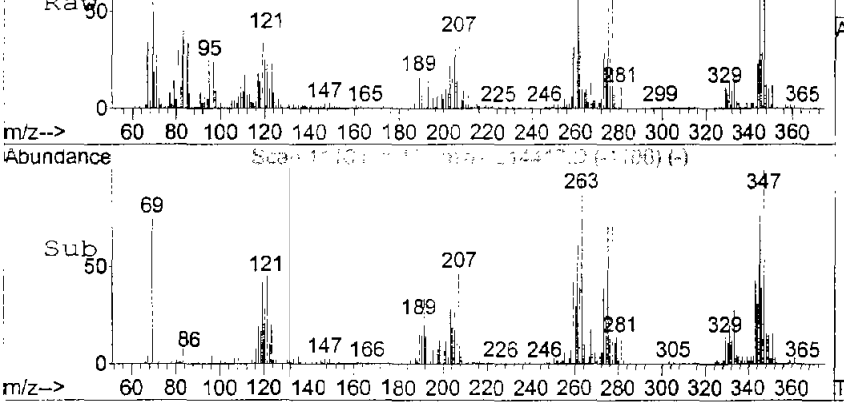


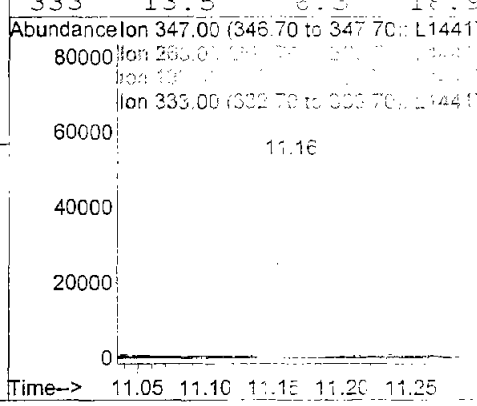


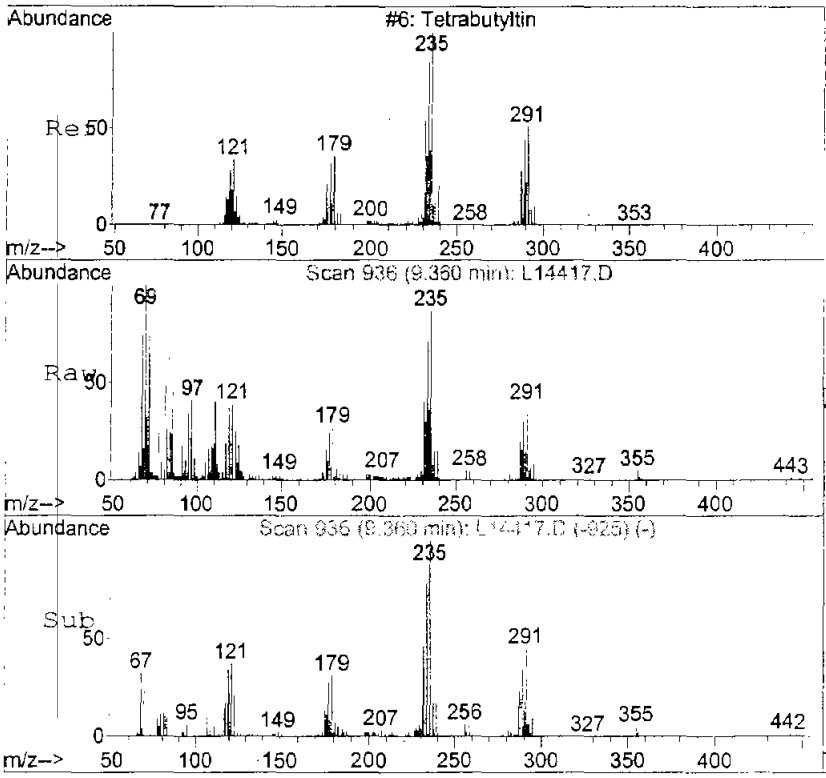
#2
Tripentyltin (S)
Concen: 72.67 PG/UL
RT: 11.16 min Scan# 1116
Delta R.T. 0.00 min
Lab File: L14417.D
Acq: 24 Nov 2004 23:12

Tgt Ion:347 Resp: 126818

Ion	Ratio	Lower	Upper
347	100		
263	52.3	17.0	68.0
193	24.7	10.1	30.3
333	13.5	6.3	18.9



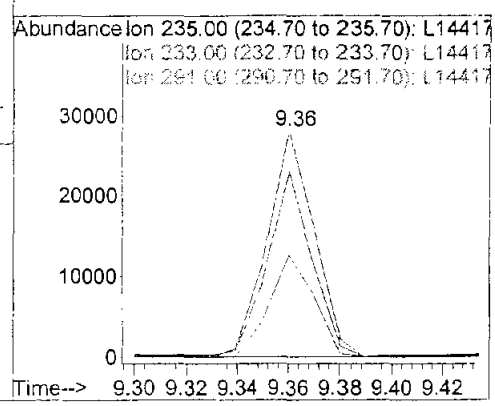


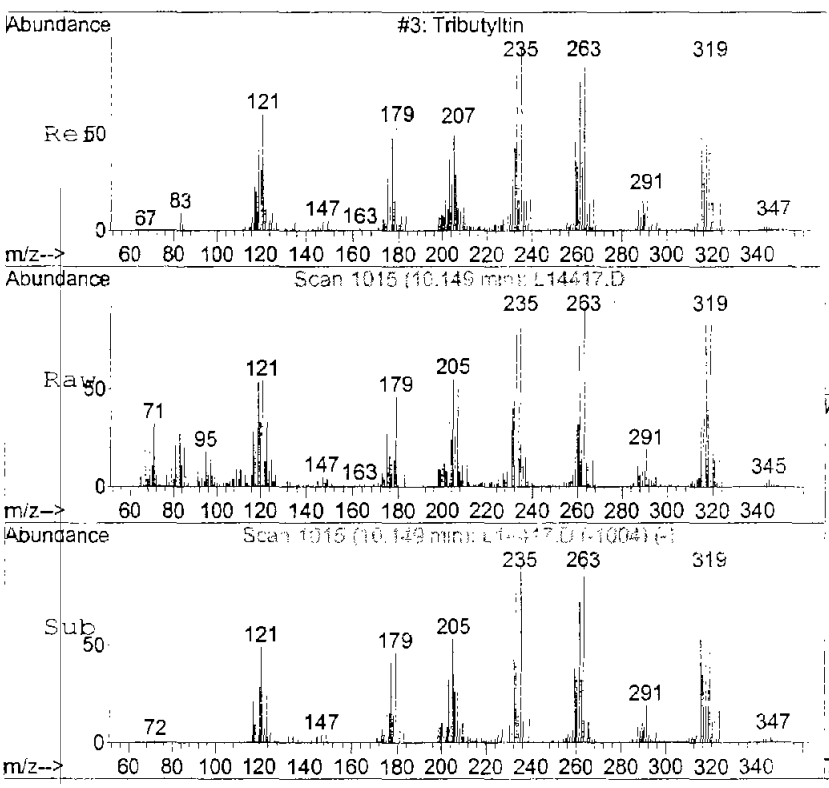


#3
Tetrabutyltin
Concen: 49.77 PG/UL
RT: 9.36 min Scan# 936
Delta R.T. 0.01 min
Lab File: L14417.D
Acq: 24 Nov 2004 23:12

Tgt Ion:235 Resp: 77445

Ion	Ratio	Lower	Upper
235	100		
233	35.1	24.5	45.5
291	19.4	15.6	29.0

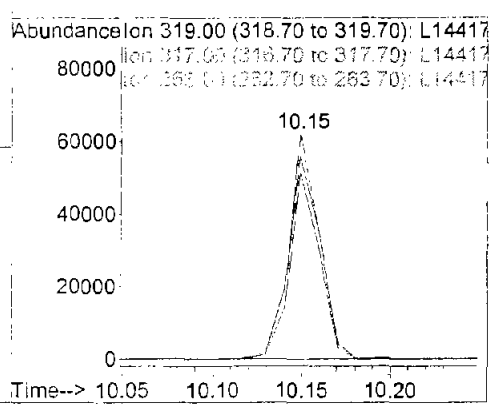


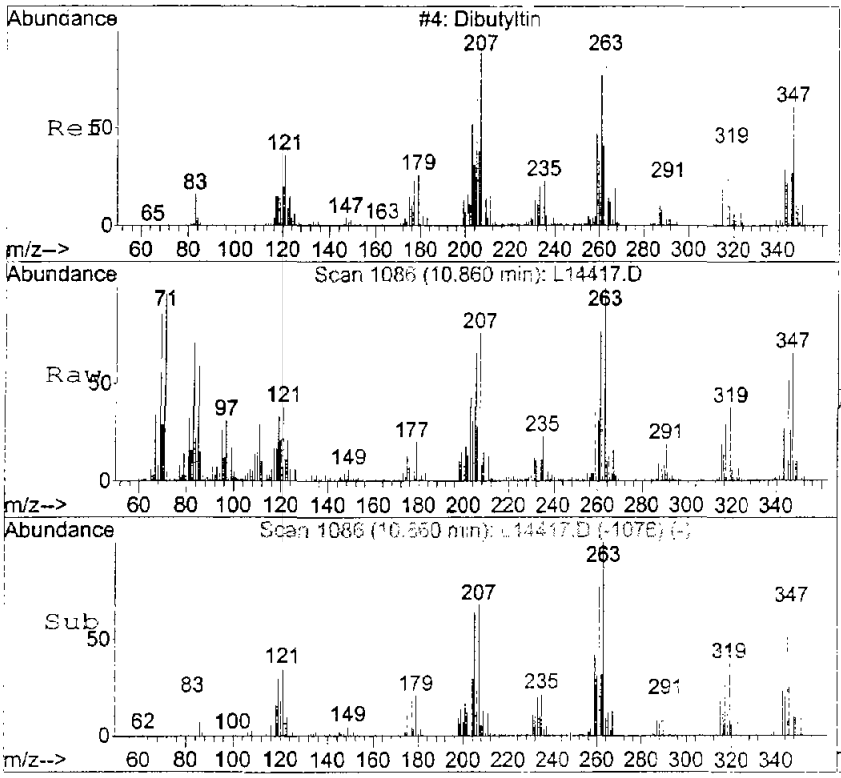


#4
Tributyltin
Concen: 75.59 PG/UL
RT: 10.15 min Scan# 1015
Delta R.T. 0.01 min
Lab File: L14417.D
Acq: 24 Nov 2004 23:12

Tgt Ion:319 Resp: 204962

Ion	Ratio	Lower	Upper
319	100		
317	29.4	20.5	38.1
263	34.6	23.0	42.8

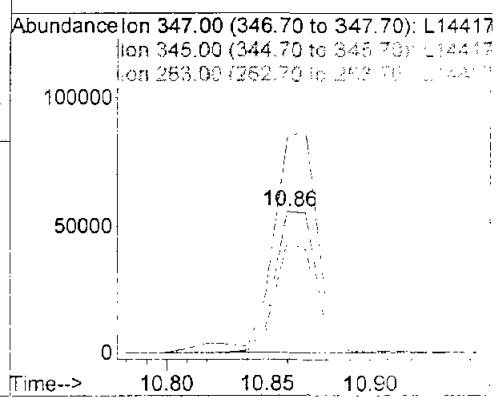


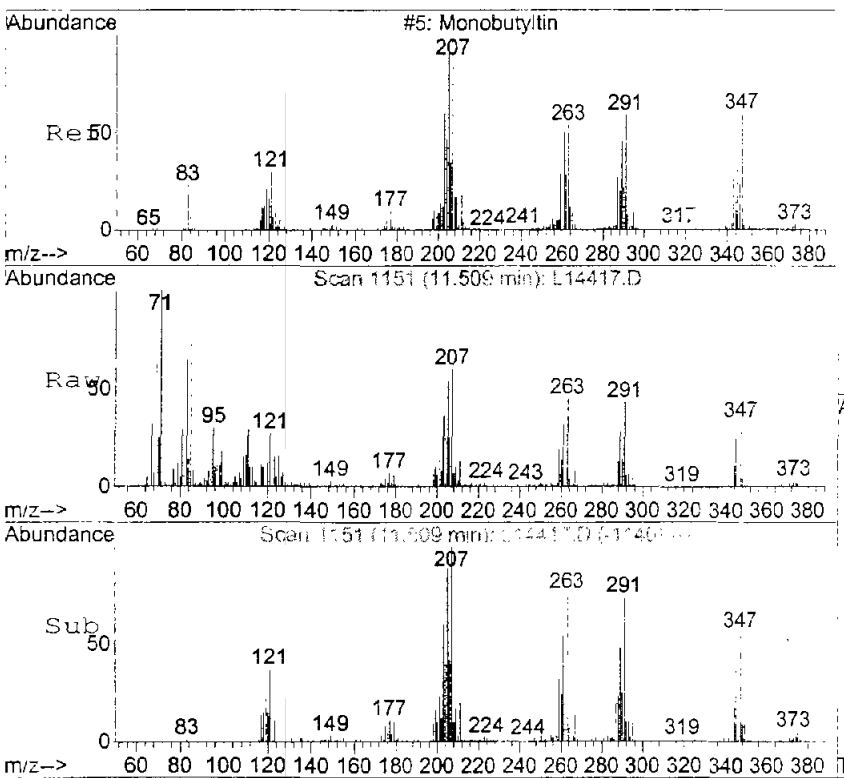


#5
Dibutyltin
Concen: 59.53 PG/UL
RT: 10.86 min Scan# 1086
Delta R.T. 0.00 min
Lab File: L14417.D
Acq: 24 Nov 2004 23:12

Tgt Ion:347 Resp: 215387

Ion	Ratio	Lower	Upper
347	100		
345	27.9	20.9	38.7
263	63.5	42.9	79.7

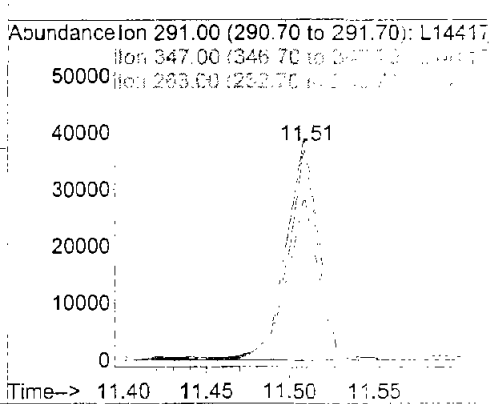




#6
Monobutyltin
Concen: 33.77 PG/UL
RT: 11.51 min Scan# 1151
Delta R.T. 0.01 min
Lab File: L14417.D
Acq: 24 Nov 2004 23:12

Tgt Ion:291 Resp: 138638

Ion	Ratio	Lower	Upper
291	100		
347	27.1	22.8	42.4
263	38.6	22.7	42.3



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14403.D Vial: 0
Acq On : 24 Nov 2004 17:09 Operator:
Sample : 124945-3 MS &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:16:26 2004 Quant Results File: ORGTIN112404.RES

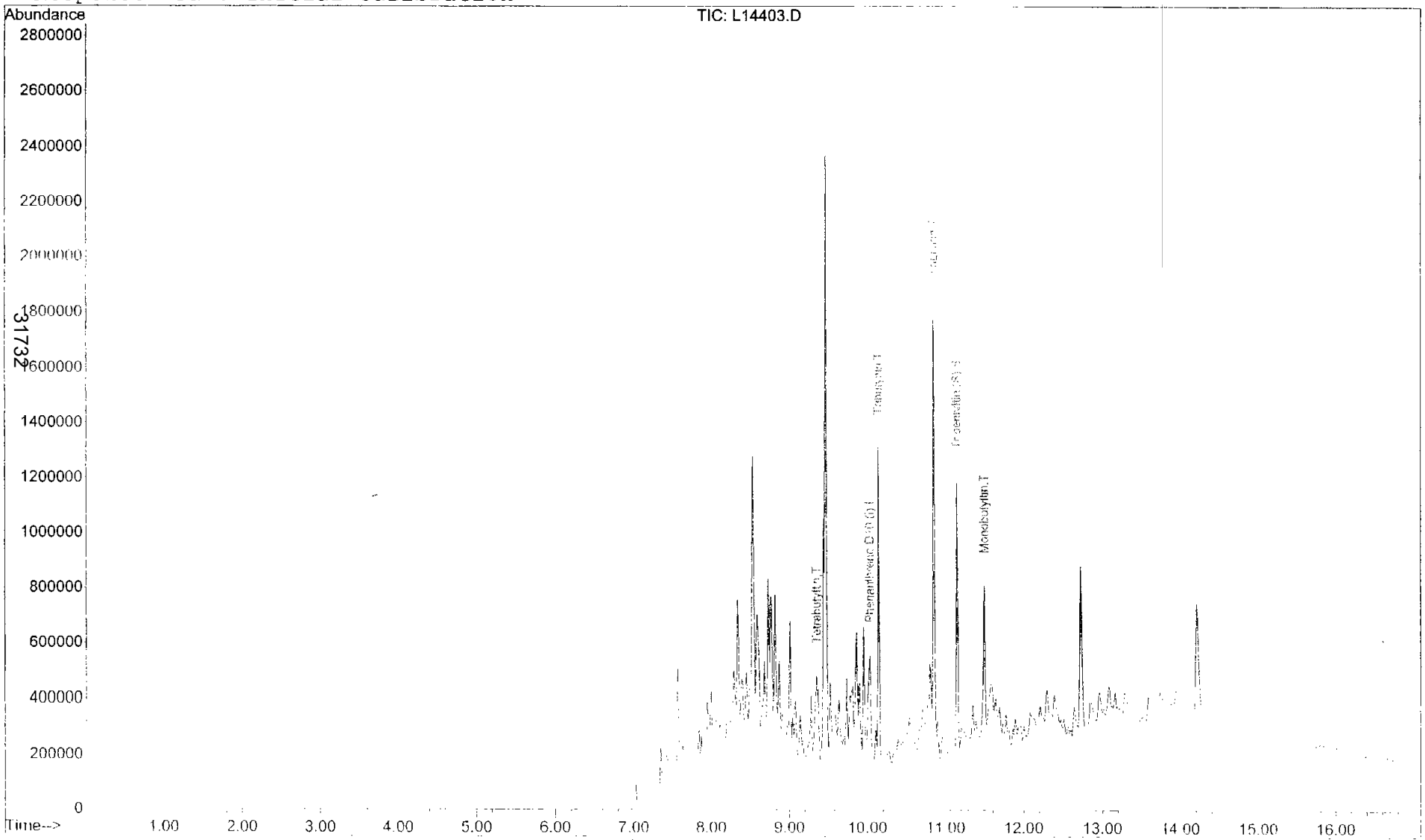
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.03	188	112531+	100.00	pg/ul	0.00
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	118090+	96.20	PG/UL	-0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.35	235	79248+	72.40	PG/UL	97
4) Tributyltin	10.14	319	198245+	103.94	PG/UL	99
5) Dibutyltin	10.85	347	213259+	83.78	PG/UL	98
6) Monobutyltin	11.50	291	105622+	36.57	PG/UL	91

Quantitation Report (Not Reviewed)

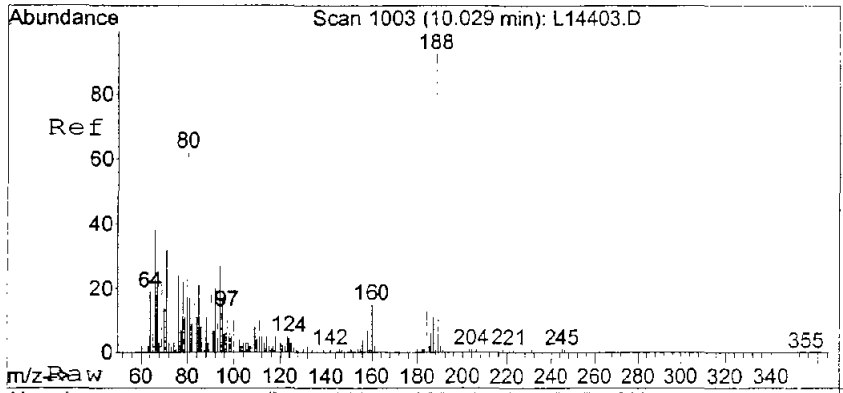
Data File : T:\DATA\11292004\L14403.D Vial: 0
Acq On : 24 Nov 2004 17:09 Operator:
Sample : 124945-3 MS &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:16 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



31732

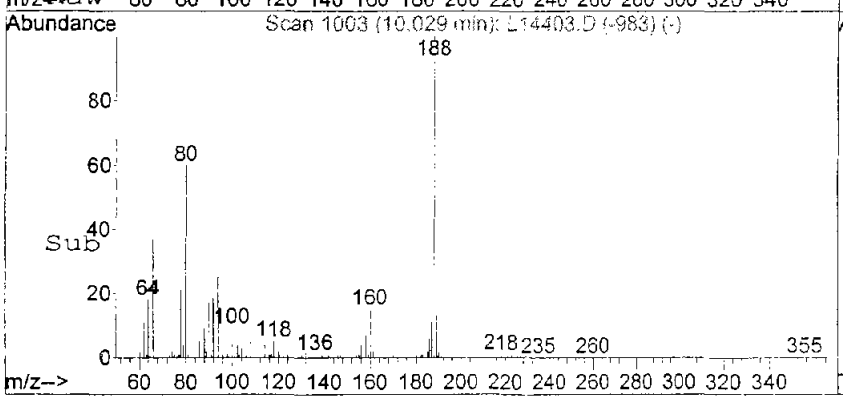
E9200

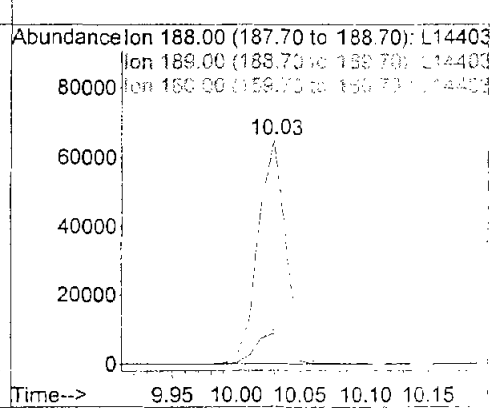


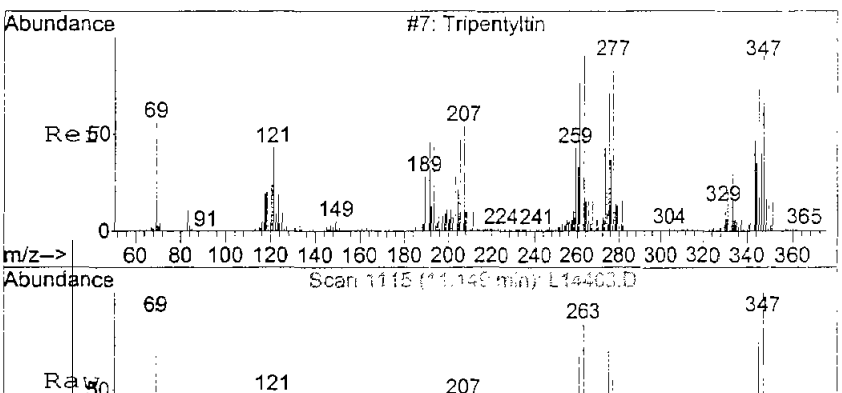
#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.03 min Scan# 1003
Delta R.T. -0.00 min
Lab File: L14403.D
Acq: 24 Nov 2004 17:09

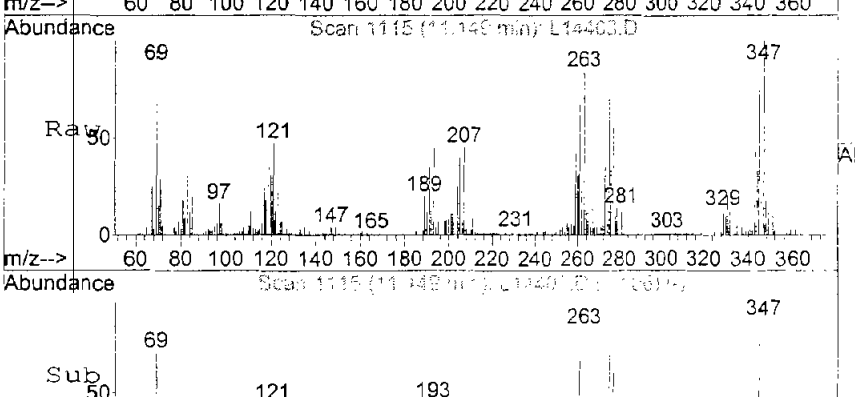
Tgt Ion:188 Resp: 112531

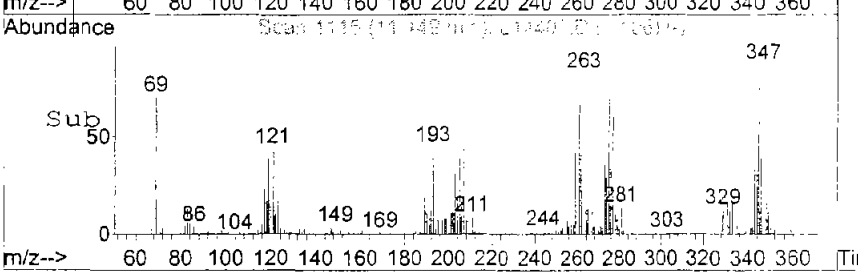
Ion	Ratio	Lower	Upper
188	100		
189	13.3	7.9	18.3
160	13.7	9.1	21.3







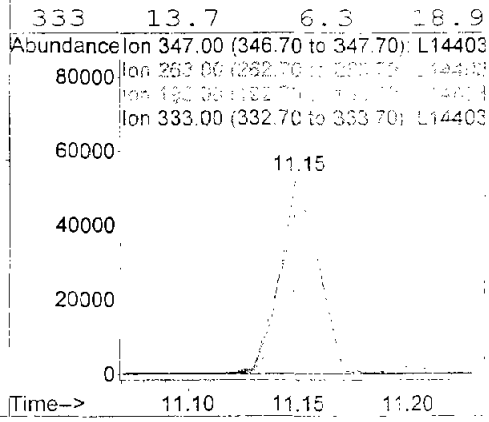


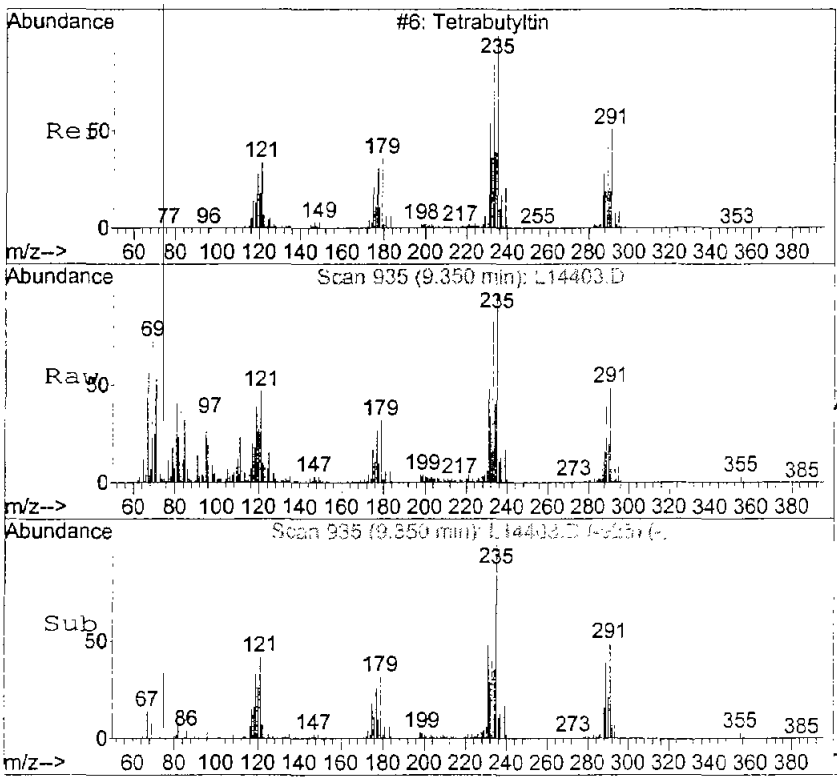


#2
Tripentyltin (S)
Concen: 96.20 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14403.D
Acq: 24 Nov 2004 17:09

Tgt Ion:347 Resp: 118090

Ion	Ratio	Lower	Upper
347	100		
263	48.9	17.0	68.0
193	23.9	10.1	30.3
333	13.7	6.3	18.9

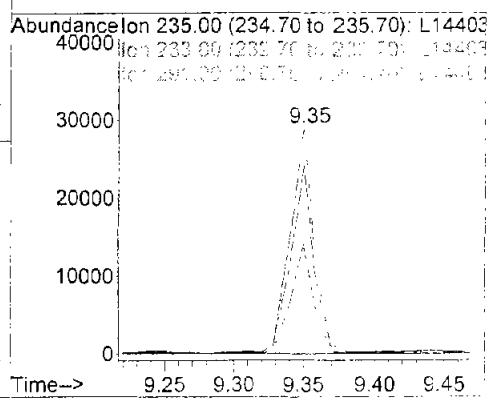


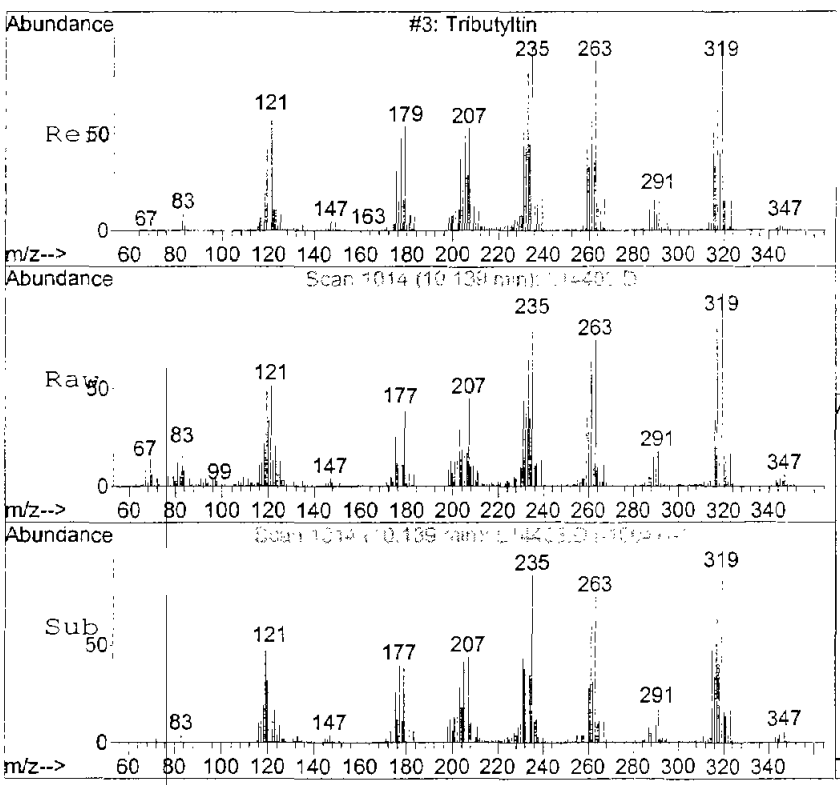


#3
Tetrabutyltin
Concen: 72.40 PG/UL
RT: 9.35 min Scan# 935
Delta R.T. 0.00 min
Lab File: L14403.D
Acq: 24 Nov 2004 17:09

Tgt Ion:235 Resp: 79248

Ion	Ratio	Lower	Upper
235	100		
233	36.4	24.5	45.5
291	20.3	15.6	29.0

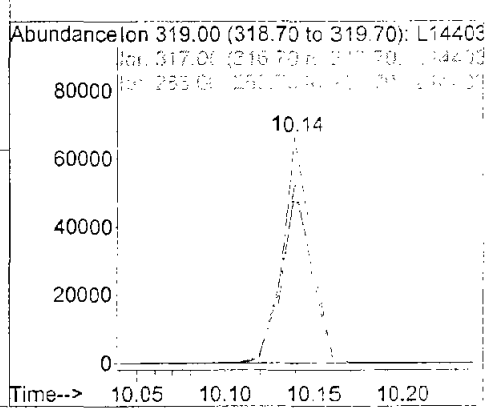


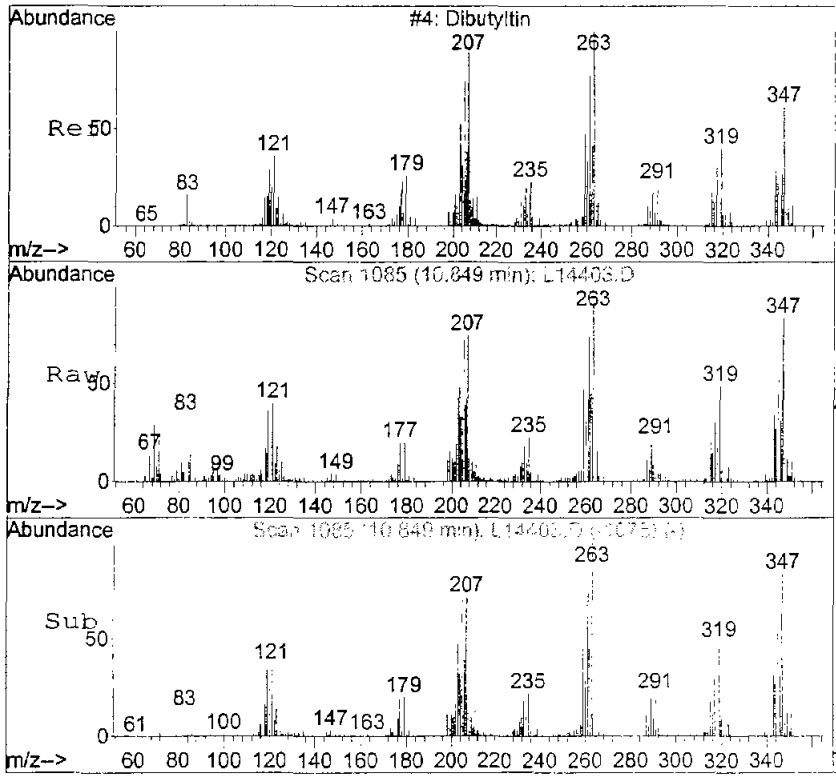


#4
Tributyltin
Concen: 103.94 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14403.D
Acq: 24 Nov 2004 17:09

Tgt Ion:319 Resp: 198245

Ion	Ratio	Lower	Upper
319	100		
317	29.7	20.5	38.1
263	32.3	23.0	42.8

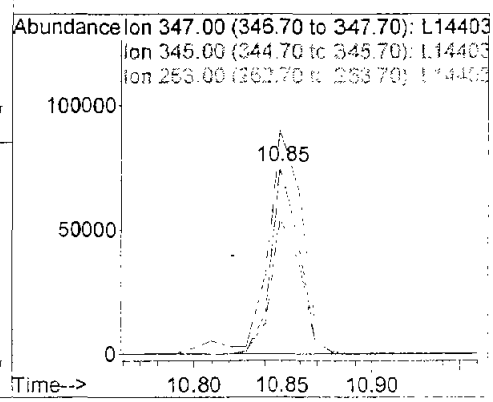


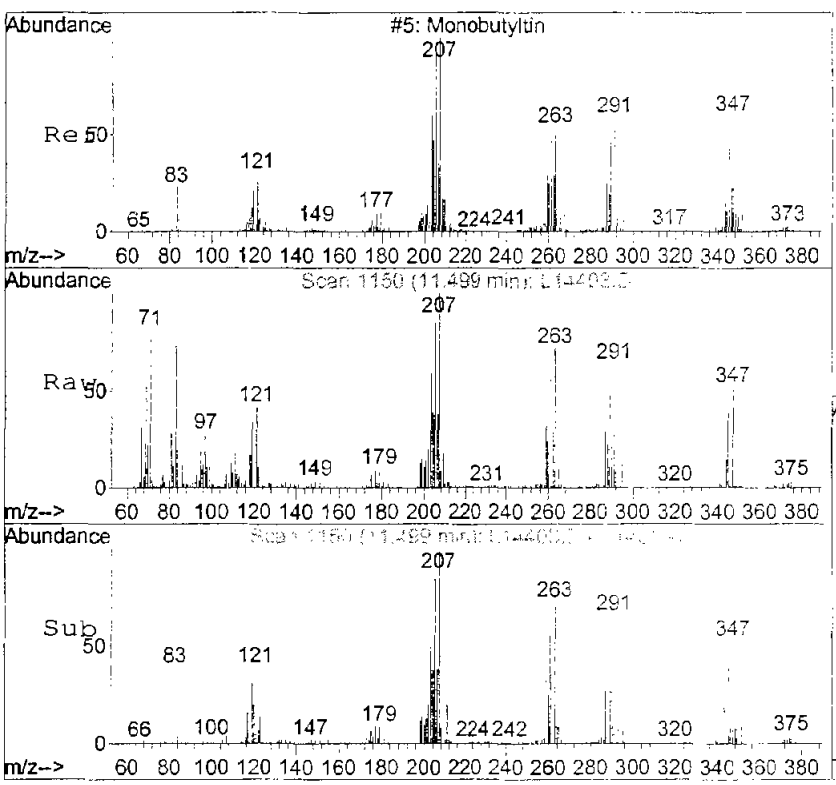


#5
Dibutyltin
Concen: 83.78 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. -0.01 min
Lab File: L14403.D
Acq: 24 Nov 2004 17:09

Tgt Ion:347 Resp: 213259

Ion	Ratio	Lower	Upper
347	100		
345	30.8	20.9	38.7
263	59.7	42.9	79.7

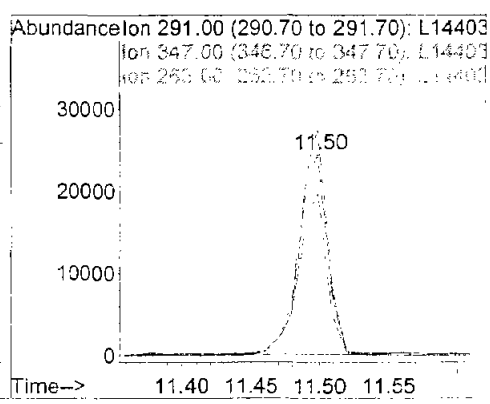




#6
Monobutyltin
Concen: 36.57 PG/UL
RT: 11.50 min Scan# 1150
Delta R.T. -0.00 min
Lab File: L14403.D
Acq: 24 Nov 2004 17:09

Tgt Ion:291 Resp: 105622

Ion	Ratio	Lower	Upper
291	100		
347	27.9	22.8	42.4
263	38.1	22.7	42.3



Quantitation Report (Not Reviewed)

Data File : T:\DATA\11292004\L14404.D Vial: 0
Acq On : 24 Nov 2004 17:33 Operator:
Sample : 124945-3 MSD &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:16:42 2004 Quant Results File: ORGTIN112404.RES

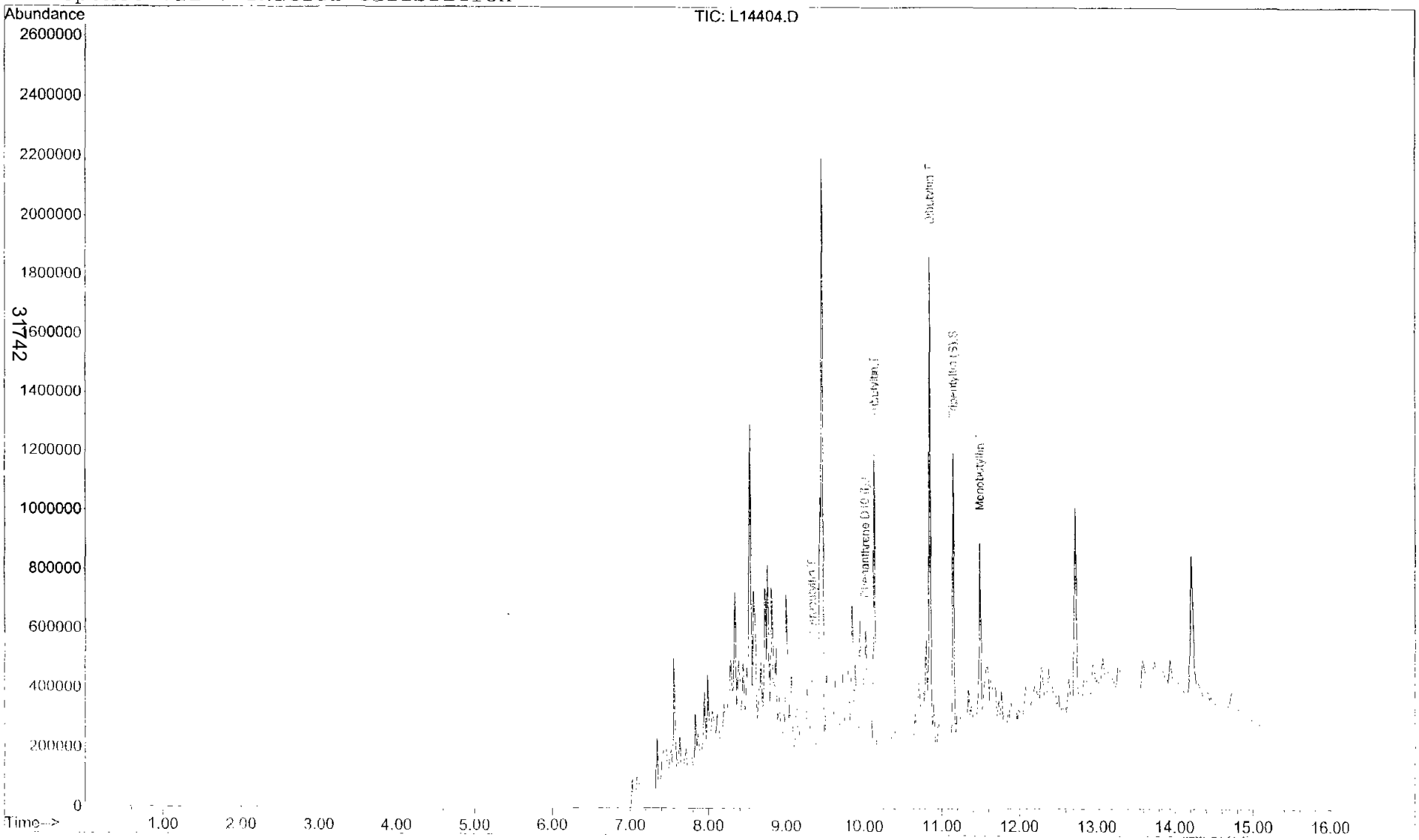
Quant Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration
DataAcq Meth :

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Phenanthrene D10 (I)	10.02	188	129601+	100.00	pg/ul	-0.01
System Monitoring Compounds						
2) Tripentyltin (S)	11.15	347	122463+	86.62	PG/UL	-0.01
Target Compounds						Qvalue
3) Tetrabutyltin	9.34	235	83374+	66.14	PG/UL	98
4) Tributyltin	10.14	319	196634+	89.52	PG/UL	100
5) Dibutyltin	10.85	347	211725+	72.22	PG/UL	99
6) Monobutyltin	11.49	291	105442+	31.70	PG/UL	92

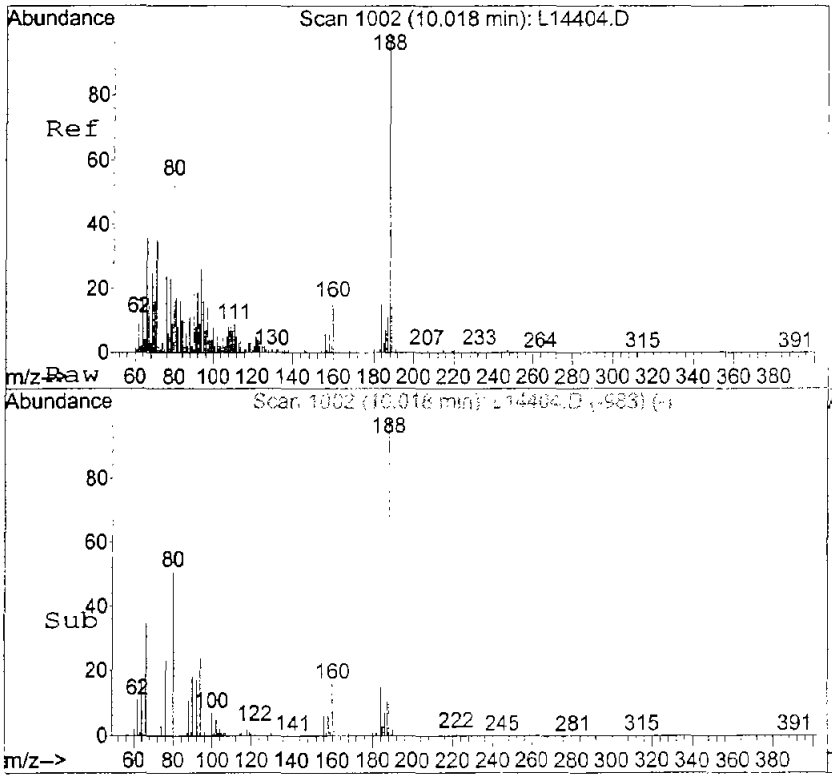
Quantitation Report (Not Reviewed)

Data File : T:\DATA\112920O4\L14404.D Vial: 0
Acq On : 24 Nov 2004 17:33 Operator:
Sample : 12494%-3 MSD &20 SOIL ORGTIN Inst :
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 29 14:16 2004 Quant Results File: ORGTIN112404.RES

Method : T:\METHODS\ORGTIN112404.M (RTE Integrator)
Title : ORGANOTIN
Last Update : Mon Nov 29 14:15:52 2004
Response via : Initial Calibration



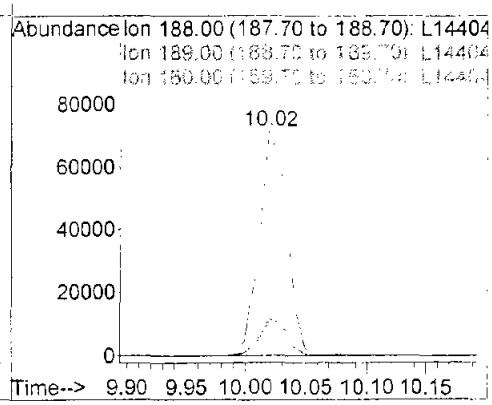
89200

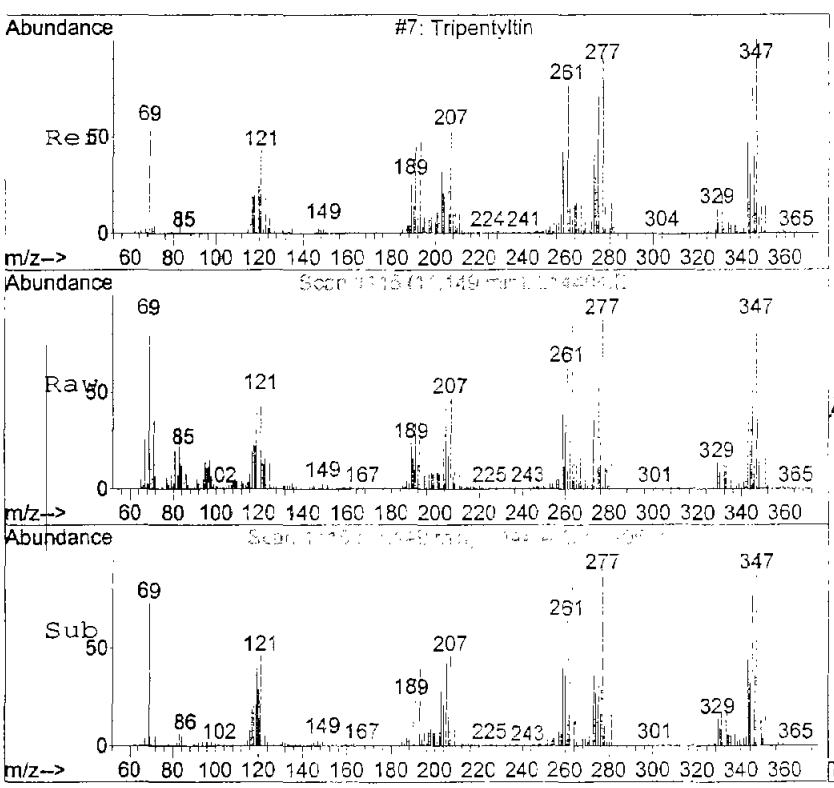


#1
Phenanthrene D10 (I)
Concen: 100.00 pg/ul
RT: 10.02 min Scan# 1002
Delta R.T. -0.01 min
Lab File: L14404.D
Acq: 24 Nov 2004 17:33

Tgt Ion:188 Resp: 129601

Ion	Ratio	Lower	Upper
188	100		
189	13.2	7.9	18.3
160	14.7	9.1	21.3

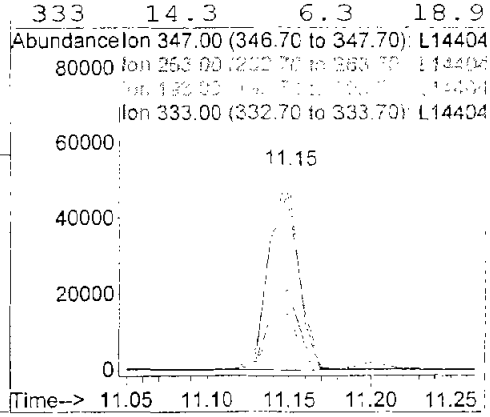


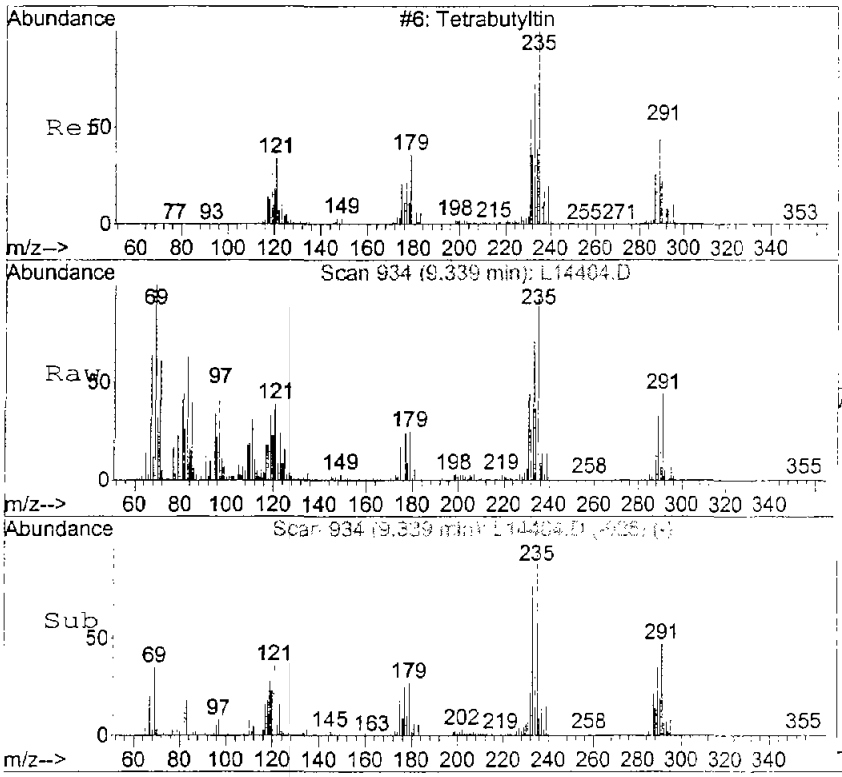


#2
Tripentyltin (S)
Concen: 86.62 PG/UL
RT: 11.15 min Scan# 1115
Delta R.T. -0.01 min
Lab File: L14404.D
Acq: 24 Nov 2004 17:33

Tgt Ion:347 Resp: 122463

Ion	Ratio	Lower	Upper
347	100		
263	49.0	17.0	68.0
193	21.4	10.1	30.3
333	14.3	6.3	18.9

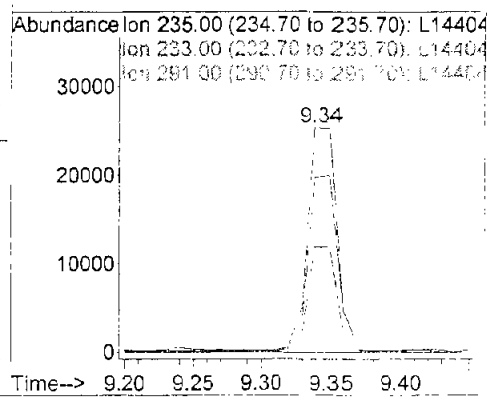


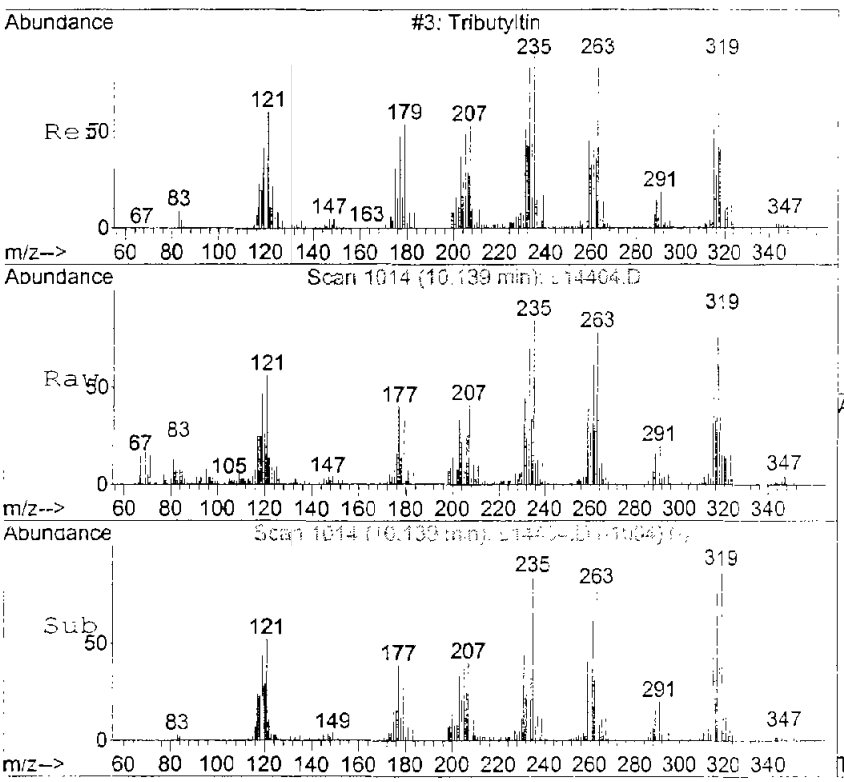


#3
Tetrabutyltin
Concen: 66.14 PG/UL
RT: 9.34 min Scan# 934
Delta R.T. -0.01 min
Lab File: L14404.D
Acq: 24 Nov 2004 17:33

Tgt Ion:235 Resp: 83374

Ion	Ratio	Lower	Upper
235	100		
233	34.4	24.5	45.5
291	20.8	15.6	29.0

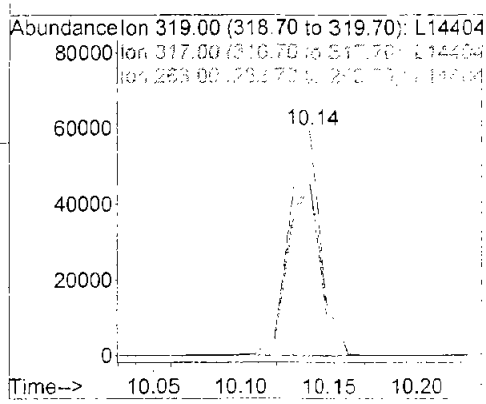


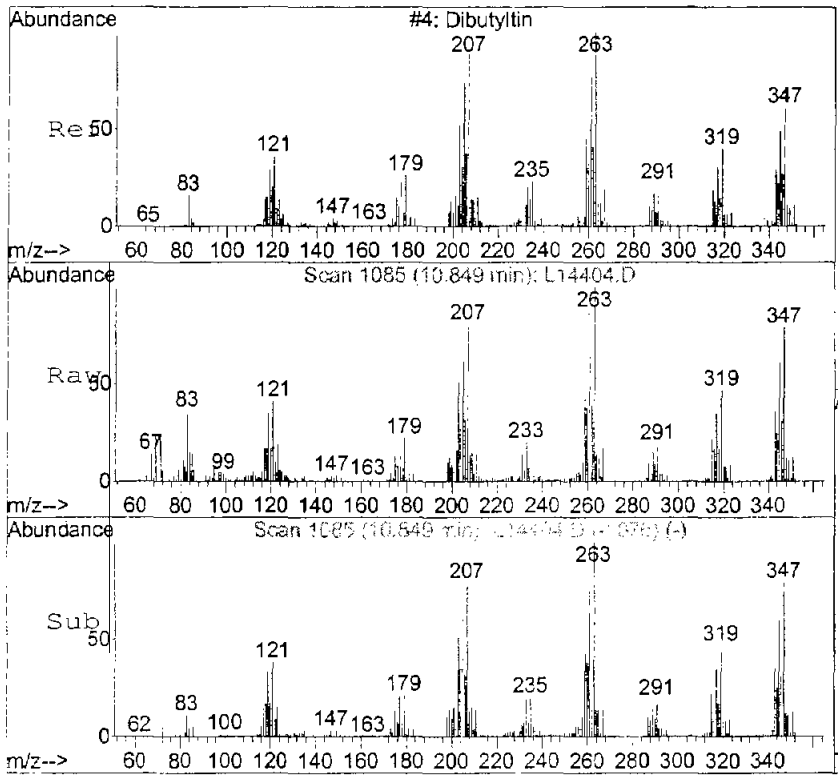


#4
Tributyltin
Concen: 89.52 PG/UL
RT: 10.14 min Scan# 1014
Delta R.T. 0.00 min
Lab File: L14404.D
Acq: 24 Nov 2004 17:33

Tgt Ion:319 Resp: 196634

Ion	Ratio	Lower	Upper
319	100		
317	29.4	20.5	38.1
263	33.0	23.0	42.8

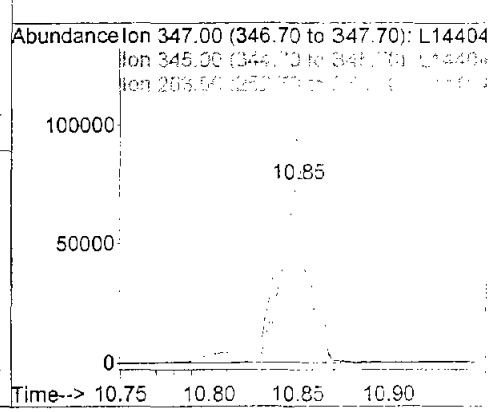


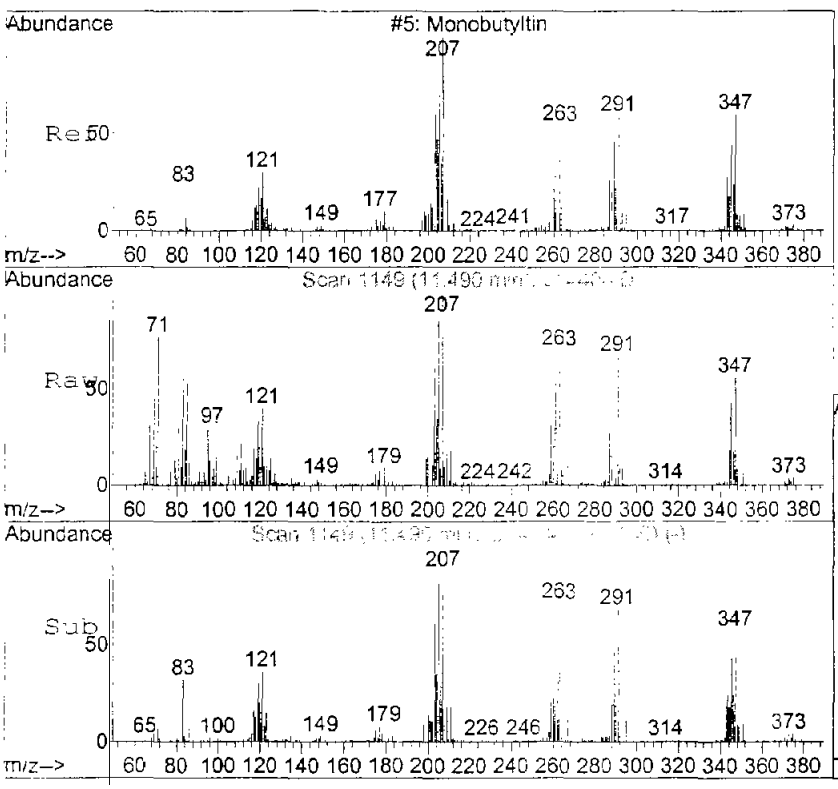


#5
Dibutyltin
Concen: 72.22 PG/UL
RT: 10.85 min Scan# 1085
Delta R.T. -0.01 min
Lab File: L14404.D
Acq: 24 Nov 2004 17:33

Tgt Ion:347 Resp: 211725

Ion	Ratio	Lower	Upper
347	100		
345	30.1	20.9	38.7
263	60.9	42.9	79.7

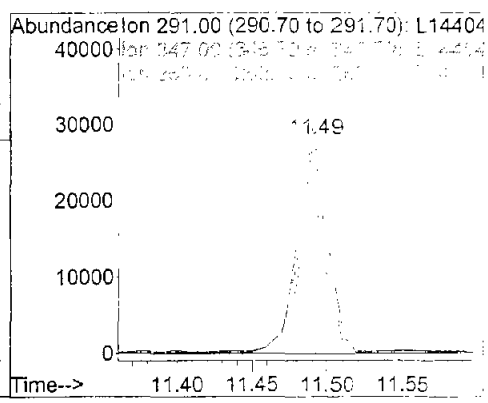




#6
Monobutyltin
Concen: 31.70 PG/UL
RT: 11.49 min Scan# 1149
Delta R.T. -0.01 min
Lab File: L14404.D
Acq: 24 Nov 2004 17:33

Tgt Ion:291 Resp: 105442

Ion	Ratio	Lower	Upper
291	100		
347	28.0	22.8	42.4
263	36.8	22.7	42.3



LABORATORY WORKSHEETS

00772

~~unlisted~~ test Worksheet - total

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:Liquid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie	F-2

Special Instructions	Subbed TOC to Burlington Encores put in SR freezer @10:30am 11/18 KP "F" Btl

~~Sample number 124945-1~~	**%Solids**	Client Sample ID	041116SGA01GW
Sample Weight/Volume 1311 - 501 - 910	**QA/QC Batch**	**Date Sampled**	1/16/2004 10:30:00 AM

Analyte Name	Method	Result	PQL	Units
Organotins				

Analyst _____ Date 11/29/04

Reviewed by _____ Date 31752 12/06/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

~~unlisted~~ test Worksheet - total

QC Level:Tier IV	**Due: 11/30/04**
Matrix:solid	**Work Order - 124945**
URS Corporation	Proj. Manager:~~Dawn Werner~~ Katie

Special Instructions	Subbed TOC to Burlington Encores put in SR freezer @10:30am 11/18 KP

Sample number 124945-3	**%Solids**	Client Sample ID	041116SGA02SS
Sample Weight/Volume	**QA/QC Batch**	**Date Sampled**	**11/16/2004 3:15:00 PM**

Analyte Name	Method	Result	PQL	Units
Organotins				

Analyst [signature] Date 11/29/04

Reviewed by _____ Date 31754 12/6/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

00774

Organotins by GC\MS (PSEP) Protocol

QCBatch ID	STN0118
Sample Matrix	Solid
Surrogate Standard No.	979-33-4s
Expiration Date	12/24/04
TBT Matrix Spike No.	979-33-5s
Expiration Date	12/24/04
Internal Standard No.	980-89-1
Expiration Date	12/24/04
MeCl2 Lot Number	x48e16
Na2SO4 Lot #	
Extraction Method	

Weighed By/Date 11/22/04 bh

Extracted By/Date 11/22/04 bh

Derivatized By/Date 11/22/04 bh

Spike Witness Signature/Date

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	STN0118	15.0000	20	100	N/A
Duplicate	123759r1				N/A
Duplicate-2					N/A
Blank Spike	sSTN0118	15.0000	20	100	100
Blank Spike Duplicate	dSTN0118	15.0000	20	100	100
Matrix Spike	124945s3	15.0016	20	100	100
Matrix Spike Duplicate	124945d3	15.4330	20	100	100
Matrix Spike-2	124993s7	15.2358	20	100	100
Matrix Spike Duplicate-2	124993d7	15.4717	20	100	100

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	Comments
124945-3	041116SGA02SS	15.6775	20	100	
124993-2	041117SGA04SS	15.2855	20	100	
124993-3	041117SGA05SS	15.5741	20	100	
124993-4	041117SGA06SS	15.2646	20	100	
124993-6	041117SGA08SS	15.0947	20	100	
124993-7	041117SGA09SS	15.0473	20	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 11/22/04

Analyst:

00775

Organotins by GC\MS (PSEP) Protocol

QCBatch ID	WTN0192	pH2	pH7	pH12
Sample Matrix	WATER	X		
Surrogate Standard No.	979-33-4w			
Expiration Date	11/24/2004	Weighed By/Date	bh 11-23-04	
8082 MS Spike No.	979-33-5w	Extracted By/Date	bh 11-23-04	
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		
Extraction Method	Solid Phase			

QC Sample Type	QC Identifier	SampleVolume (ml)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	WTN0192	1000	2	100	N/A
Duplicate					
Duplicate-2					
Blank Spike	sWTN0192	1000	2	100	100
Blank Spike Duplicate	dWTN0192	1000	2	100	100
Matrix Spike	124993s11	925	2	100	100
Matrix Spike Duplicate	124993d11	1007		100	100
Matrix Spike-2					
Matrix Spike Duplicate-2					

Sample	Client Sample ID	Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	Comments
124993-8	041117SGA02GW	985	2	100	
124993-9	041117SGA03GW	996	2	100	
124993-10	041117SGA04GW	1009	2	100	
124993-11	041117SGA05GW	939	2	100	
124945-1	041116SGA01GW	`810	2	100	
125000-1	IR01WB582	996	2	100	
125000-2	IR01WB578	992	2	100	
125000-3	IR01WB588	1012	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: 11/23/04
Analyst:

00776

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**124945**				
Sample Number	**1**			Related Blank:	WTN0192
QC Batch Number	**WTN0192**				
Client Sample ID	**041116SGA01GW**				
Date Received	**11-18-04**				
Date Prepared	**11-23-04**				
Date Analyzed	**11-25-04**				
Sample matrix type	**liquid**				
QC sample type	**sample**				
Sample volume (ml)	**810**	=	0.81 /L	Calc. Fact.	0.002469136
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.234567901
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	55.2896		97.4	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

00777

STL Seattle

6a **Sample Information**

Client Name	URS Corporation				
Work Order Number	124945				
Sample Number	3			Related Blank:	STN0118
Batch QC ID	STN0118				
Client Sample ID	041116SGA02SS				
Date Received	11-18-04				
Date Prepared	11-22-04				
Date Analyzed	11-24-04				
Sample matrix type	solid				
QC sample type	sample				
Sample weight (g)	15.6775	=	0.01568 /kg	Calc. Fact.	1.501899697
Extract volume (ml)	20	=	20 ml	Dry Weight	13.3164685 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	84.94	=	0.8494	Spike Factor	75.09498483
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	67.8815		120	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Dibutyltin	3.8155			5.73		2.25
x	Monobutyltin	7.3606			11.1		1.5

$$\frac{(7.3606)(20)}{(15.6775)(.8494)} = 11.05$$

12/6/04

00778

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: noblank
QC Batch Number	**WTN0192**
Client Sample ID	
Date Received	
Date Prepared	**11-23-04**
Date Analyzed	**11-24-04**
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	78.6383		139	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

00779

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blank:	noblank
Batch QC ID	STN0118				
Client Sample ID					
Date Received					
Date Prepared	11-22-04				
Date Analyzed	11-24-04				
Sample matrix type	solid				
QC sample type	blank				

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	81.632		144	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

00780

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number				Related Blank:	WTN0192
Sample Number					
QC Batch Number	WTN0192				
Client Sample ID					
Date Received					
Date Prepared	11-23-04				
Date Analyzed	11-24-04				
Sample matrix type	liquid				
QC sample type	bs				

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	87.4688	✓	154	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	69.2137	✓		0.138		0.002
x	Tributyltin	91.0194	✓		0.182		0.0014
x	Dibutyltin	69.3097	✓		0.139		0.0008
x	Monobutyltin	51.1977	✓		0.102		0.0004

00781

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number				Related Blank:	WTN0192
Sample Number					
QC Batch Number	WTN0192				
Client Sample ID					
Date Received					
Date Prepared	11-23-04				
Date Analyzed	11-24-04				
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	77.0902		136	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	64.9969			0.13		0.002
x	Tributyltin	82.2992			0.165		0.0014
x	Dibutyltin	61.122			0.122		0.0008
x	Monobutyltin	46.4268			0.0929		0.0004

007782

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: STN0118
Batch QC ID	**STN0118**
Client Sample ID	
Date Received	
Date Prepared	**11-22-04**
Date Analyzed	**11-24-04**
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	85.0803		150	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	69.3177			92.4		2
x	Tributyltin	88.6246			118		2.67
x	Dibutyltin	70.6908			94.3		2
x	Monobutyltin	50.092			66.8		1.33

00783

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blank: STN0118	
Batch QC ID	STN0118				
Client Sample ID					
Date Received					
Date Prepared	11-22-04				
Date Analyzed	11-24-04				
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	70.3444		124	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	63.6969	✓		84.9		2
x	Tributyltin	77.2385	✓		103		2.67
x	Dibutyltin	61.1293	✓		81.5		2
x	Monobutyltin	42.5672	✓		56.8		1.33

00784

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**124945**				
Sample Number	**3**			Related Blank:	STN0118
Batch QC ID	**STN0118**				
Client Sample ID	**041116SGA02SS**				
Date Received	**11-18-04**				
Date Prepared	**11-22-04**				
Date Analyzed	**11-24-04**				
Sample matrix type	**solid**				
QC sample type	**ms**				
Sample weight (g)	**15.0016**	=	0.015 /kg	Calc. Fact.	1.569568079
Extract volume (ml)	**20**	=	20 ml	Dry Weight	12.74235904 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	**84.94**	=	0.8494	Spike Factor	78.47840395
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	96.198		169	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	72.3988			114		2.35
x	Tributyltin	103.9391			163		3.14
x	Dibutyltin	83.781			131		2.35
x	Monobutyltin	36.5734			57.4		1.57

00785

STL Seattle

6a **Sample Information**

Client Name	URS Corporation				
Work Order Number	124993				
Sample Number	11			Related Blank:	WTN0192
QC Batch Number	WTN0192				
Client Sample ID	041117SGA05GW				
Date Received	11-19-04				
Date Prepared	11-23-04				
Date Analyzed	11-24-04				
Sample matrix type	liquid				
QC sample type	ms				
Sample volume (ml)	925	=	0.925 /L	Calc. Fact.	0.002162162
Extract volume (ml)	2	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.081081081
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	76.9099		135	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	51.0408			0.11		0.00216
x	Tributyltin	77.3682			0.167		0.00151
x	Dibutyltin	64.5124			0.139		0.000865
x	Monobutyltin	33.9907			0.0735		0.000432

007786

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**124993**				
Sample Number	**11**			Related Blank:	WTN0192
QC Batch Number	**WTN0192**				
Client Sample ID	**041117SGA05GW**				
Date Received	**11-19-04**				
Date Prepared	**11-23-04**				
Date Analyzed	**11-24-04**				
Sample matrix type	**liquid**				
QC sample type	**msd**				
Sample volume (ml)	**1007**	=	1.007 /L	Calc. Fact.	0.001986097
Extract volume (ml)	**2**	=	2 ml	Dry Weight	-
Dilution Factor		=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	0.993048659
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	72.6734		128	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	49.7712			0.0989		0.00199
x	Tributyltin	75.5948			0.15		0.00139
x	Dibutyltin	59.525			0.118		0.000794
x	Monobutyltin	33.7703			0.0671		0.000397

00787

STL Seattle

6a **Sample Information**

Client Name	URS Corporation				
Work Order Number	124945				
Sample Number	3			Related Blank:	STN0118
Batch QC ID	STN0118				
Client Sample ID	041116SGA02SS				
Date Received	11-18-04				
Date Prepared	11-22-04				
Date Analyzed	11-24-04				
Sample matrix type	solid				
QC sample type	msd				
Sample weight (g)	15.433	=	0.01543 /kg	Calc. Fact.	1.525693805
Extract volume (ml)	20	=	20 ml	Dry Weight	13.1087902 g
Dilution Factor		=	1	Sample Units	ug/kg
% Solids	84.94	=	0.8494	Spike Factor	76.28469025
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	86.6207		153	OK	46	173
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Tetrabutyltin	66.1359			101		2.29
x	Tributyltin	89.5156			137		3.05
x	Dibutyltin	72.2228			110		2.29
x	Monobutyltin	31.7021			48.4		1.53

007788

ORGANOCHLORINE PESTICIDES DATA PACKAGE

00789

SAMPLE DATA

00790

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07990.D\ECD1A.CH Vial: 27
Signal #2 : H:\DATA\111904\ECD07990.D\ECD2B.CH
Acq On : 19 Nov 2004 11:36 pm Operator: SJL/CRF
Sample : 124945-03 PE1795 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 22 13:32:46 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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 :

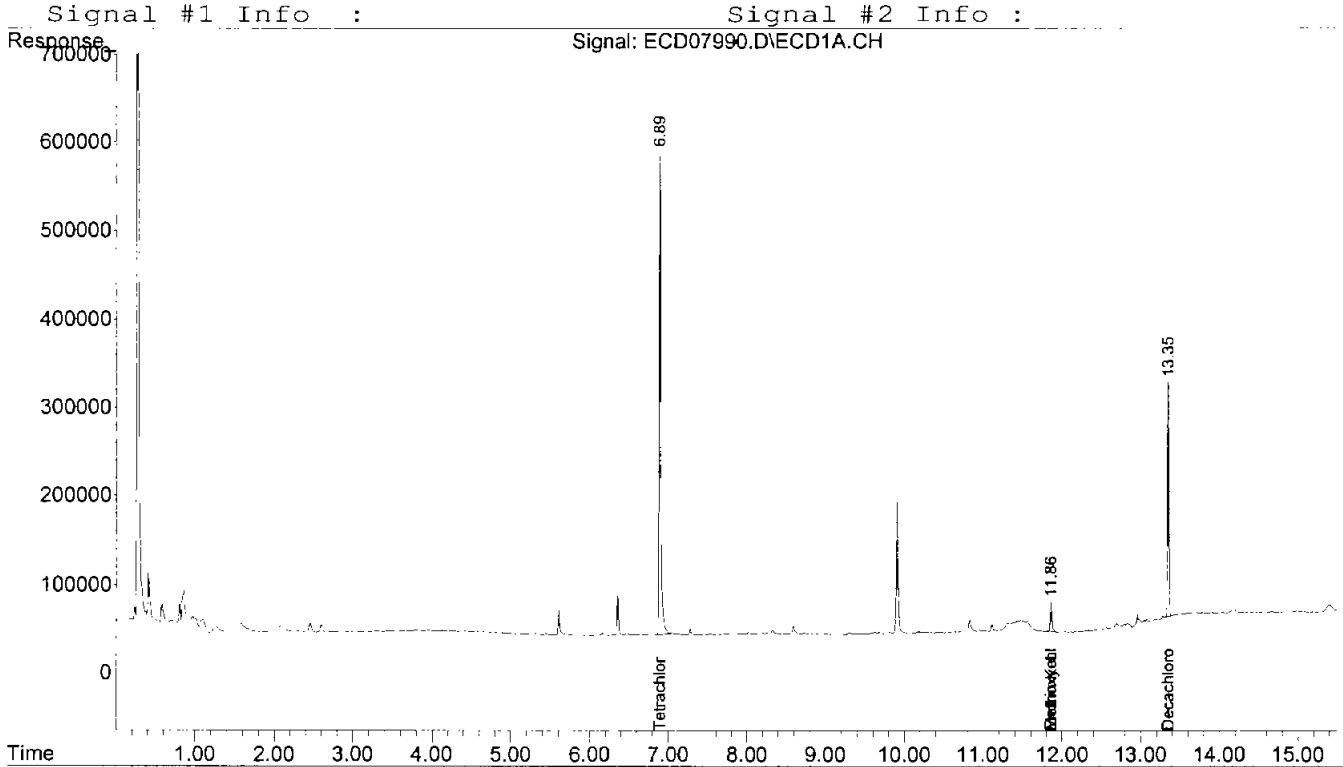
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.89	6.13	7738755	4399244	15.195	14.500	
		Spiked Amount 20.000	Range 60 - 150		Recovery =		75.98%	72.50%	
24)	SR	Decachlorobiphen	13.35	12.77	3028809	2893566	15.103	14.644	
		Spiked Amount 20.000	Range 60 - 150		Recovery =		75.52%	73.22%	
		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	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	0.00	0.00	0	0	N.D.	N.D.	
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.86f	0.00	525757	0	5.790	N.D.	#
23)		Endrin Ketone	11.86f	0.00	525757	0	1.668	N.D.	#

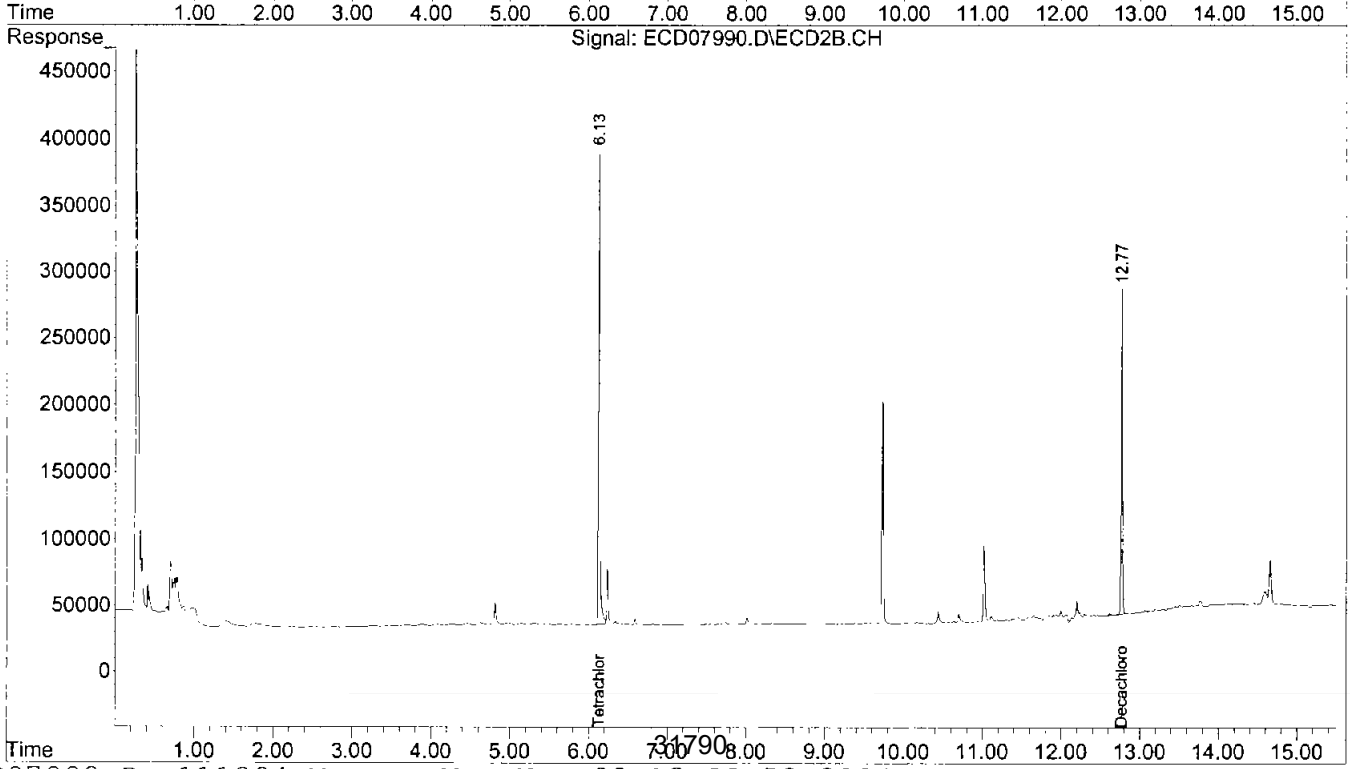
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07990.D\ECD1A.CH Vial: 27
Signal #2 : H:\DATA\111904\ECD07990.D\ECD2B.CH
Acq On : 19 Nov 2004 11:36 pm Operator: SJL/CRF
Sample : 124945-03 PE1795 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 22 13:32 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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

00793

Response Factor Report Agilent E

Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 2004

Calibration Files
1 =ECD07939.D 2 =ECD07940.D 5 =ECD07941.D
10 =ECD07942.D 20 =ECD07943.D 50 =ECD07944.D

		Compound	1	2	5	10	20	50	Avg		%RSD
1)	T	Hexachlorobutadi	1.118	1.069	1.079	1.093	1.053	1.046	1.076	E6	2.48
2)	SR	Tetrachloro-m-xy	5.489	5.097	5.377	5.365	5.022	4.208	5.093	E5	9.21
3)		alpha-BHC	6.676	6.115	7.066	7.359	6.865		6.816	E5	6.84
4)	T	Hexachlorobenzen	6.395	6.046	6.125	5.854	5.311		5.946	E5	6.81
5)	M	gamma-BHC (Linda	6.314	5.556	6.346	6.527	5.887		6.126	E5	6.46
6)		beta-BHC	3.264	3.069	2.998	2.902	2.491		2.945	E5	9.73
7)		delta-BHC	5.051	3.701	5.214	5.429	4.514		4.782	E5	14.48
8)	M	Heptachlor	6.389	6.006	6.396	6.675	6.417		6.377	E5	3.74
9)	M	Aldrin	7.002	6.184	6.369	6.480	5.910		6.389	E5	6.34
10)		Heptachlor Epoxi	7.219	6.232	6.215	6.192	5.407		6.253	E5	10.29
11)		gamma-Chlordane	6.664	6.468	5.999	6.028	5.361		6.104	E5	8.26
12)		alpha-Chlordane	6.959	6.150	6.083	6.216	5.292		6.140	E5	9.63
13)		Endosulfan I	6.107	5.372	5.469	5.373	4.873		5.439	E5	8.10
14)		4,4'-DDE	5.665	5.484	5.173	5.315	4.707	5.219	5.261	E5	6.21
15)	M	Dieldrin	5.583	4.961	5.029	5.224	4.512	4.816	5.021	E5	7.24
16)	M	Endrin	3.920	3.550	3.444	3.552	3.128	3.591	3.531	E5	7.23
17)		4,4'-DDD	4.118	3.248	3.672	3.567	2.987	3.430	3.504	E5	11.03
18)		Endosulfan II	4.757	4.033	4.083	3.985	3.293	3.581	3.955	E5	12.61
19)	M	4,4'-DDT	2.304	2.092	2.080	2.256	2.131	2.660	2.254	E5	9.71
20)		Endrin Aldehyde	3.869	3.787	3.336	3.272	2.665	2.892	3.303	E5	14.40
21)		Endosulfan Sulfa	3.617	2.669	2.708	2.629	2.271	2.456	2.725	E5	17.11
22)		Methoxychlor	9.430	8.631	9.497	9.588	7.660	9.680	9.081	E4	8.72
23)		Endrin Ketone	3.554	3.184	3.402	3.274	2.520	2.978	3.152	E5	11.61
24)	SR	Decachlorobiphen	2.348	1.945	2.083	2.050	1.624	1.982	2.005	E5	11.70

Signal #2 Calibration Files
1 =ECD07939.D 2 =ECD07940.D 5 =ECD07941.D
10 =ECD07942.D 20 =ECD07943.D 50 =ECD07944.D

		Compound	1	2	5	10	20	50	Avg		%RSD
1)	T	Hexachlorobutadi	6.954	6.490	6.561	6.529	6.248	6.475	6.543	E5	3.51
2)	SR	Tetrachloro-m-xy	3.047	2.938	3.063	3.125	2.986	3.046	3.034	E5	2.13
3)		alpha-BHC	3.866	3.597	4.145	4.380	4.141	4.593	4.121	E5	8.61
4)	T	Hexachlorobenzen	3.381	3.210	3.259	3.271	3.004	3.092	3.203	E5	4.22
5)	M	gamma-BHC (Linda	3.634	3.254	3.715	3.848	3.534	3.997	3.664	E5	7.05
6)		beta-BHC	1.606	1.538	1.556	1.652	1.362	1.555	1.545	E5	6.40
7)		delta-BHC	3.257	2.509	3.384	3.198	2.852	3.528	3.121	E5	12.04
8)	M	Heptachlor	3.148	3.080	3.226	3.499	3.363	3.705	3.337	E5	7.04
9)	M	Aldrin	3.703	3.456	3.711	3.756	3.461	3.764	3.642	E5	3.96
10)		Heptachlor Epoxi	3.678	3.396	3.544	3.555	3.143	3.476	3.465	E5	5.29
11)		gamma-Chlordane	3.703	3.418	3.644	3.684	3.229	3.725	3.567	E5	5.60
12)		alpha-Chlordane	3.932	3.595	3.720	3.586	3.222	3.664	3.620	E5	6.41
13)		Endosulfan I	3.532	3.251	3.400	3.345	2.976	3.282	3.298	E5	5.65
14)		4,4'-DDE	3.377	3.461	3.473	3.602	3.133	3.686	3.455	E5	5.57
15)	M	Dieldrin	3.331	3.113	3.392	3.471	3.048	3.427	3.297	E5	5.32
16)	M	Endrin	2.641	2.476	2.610	2.715	2.351	2.754	2.591	E5	5.87
17)		4,4'-DDD	2.608	2.138	2.705	2.782	2.273	2.790	2.549	E5	10.89
18)		Endosulfan II	3.830	3.110	3.237	3.219	2.583	2.969	3.158	E5	12.90
19)	M	4,4'-DDT	1.805	1.654	1.990	2.172	1.869	2.482	1.995	E5	14.81
20)		Endrin Aldehyde	2.893	2.384	2.504	2.509	2.000	2.262	2.425	E5	12.25
21)		Endosulfan Sulfa	3.153	2.405	3.071	3.102	2.435	2.897	2.844	E5	11.94
22)		Methoxychlor	1.127	1.034	1.147	1.127	0.940	1.141	1.086	E5	7.60
23)		Endrin Ketone	3.504	3.153	3.489	3.499	2.792	3.236	3.279	E5	8.61
24)	SR	Decachlorobiphen	2.375	1.925	2.082	2.014	1.580	1.880	1.976	E5	13.21

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111804\ECD07939.D\ECD1A.CH Vial: 3
Signal #2 : H:\DATA\111804\ECD07939.D\ECD2B.CH
Acq On : 11-18-2004 04:20:51 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: Nov 19 09:54:39 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:54:31 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 :

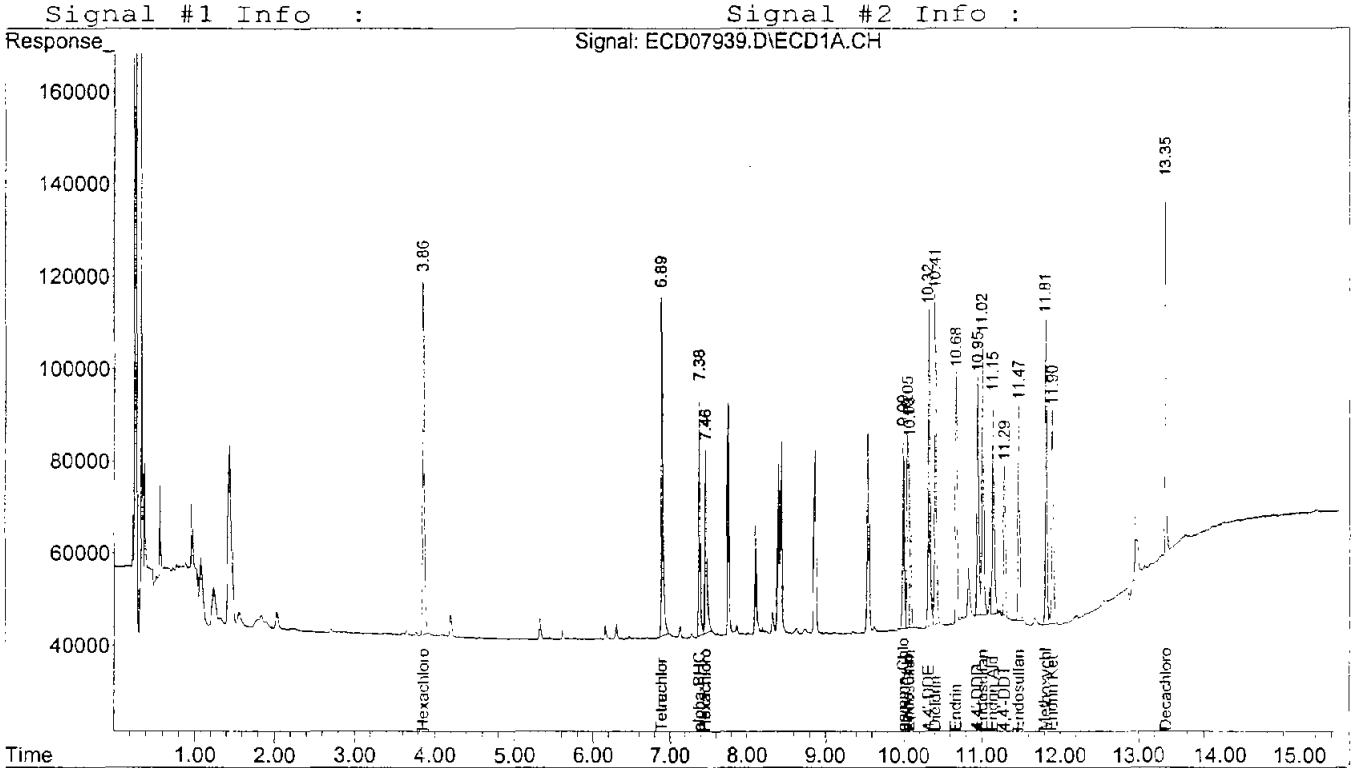
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.89	6.13	1097779	609449	2.053	1.881	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	10.26%#	9.40%#	
24)	SR	Decachlorobiphen	13.35	12.77	939200	950055	4.299	4.620	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	21.50%#	23.10%#	
		Target Compounds							
1)	T	Hexachlorobutadi	3.86	3.05	1118306	695379	0.993	0.958	
3)		alpha-BHC	7.38	6.90	667620	386639	0.975	0.881	
4)	T	Hexachlorobenzen	7.47	6.76	639516	338080	0.911	1.010	
5)	M	gamma-BHC (Linda	7.76	7.33	631381	363352	N.D.	0.924	
6)		beta-BHC	8.11	7.63	326388	160566	N.D.	0.963	
7)		delta-BHC	8.40	7.91	505072	325677	N.D.	1.024	
8)	M	Heptachlor	8.43	7.70	638882	314774	N.D.	0.924	
9)	M	Aldrin	8.87	8.01	700232	370339	N.D.	0.980	
10)		Heptachlor Epoxi	9.55	8.69	721936	367796	N.D.	1.000	
11)		gamma-Chlordane	9.99	9.04	666402	370291	0.950	1.057	
12)		alpha-Chlordane	10.05	9.19	695867	393164	1.048	1.083	
13)		Endosulfan I	10.08	9.24	610723	353215	1.006	1.013	
14)		4,4'-DDE	10.32	9.56	1133075	675324	2.680	1.951	#
15)	M	Dieldrin	10.41	9.65	1116527	666107	2.673	2.008	
16)	M	Endrin	10.68	10.05	784026	528166	2.695	1.848	#
17)		4,4'-DDD	10.95	10.32	823533	521511	2.791	2.069	#
18)		Endosulfan II	11.02	10.41	951438	765959	2.541	2.336	
19)	M	4,4'-DDT	11.29	10.64	460724	361004	2.336	1.679	#
20)		Endrin Aldehyde	11.15	10.70	773750	578626	2.473	2.205	
21)		Endosulfan Sulfa	11.47	10.94	723307	630535	2.639	2.135	
22)		Methoxychlor	11.81	11.46	943047	1126728	10.448	10.177	
23)		Endrin Ketone	11.90	11.58	710766	700882	2.228	2.033	

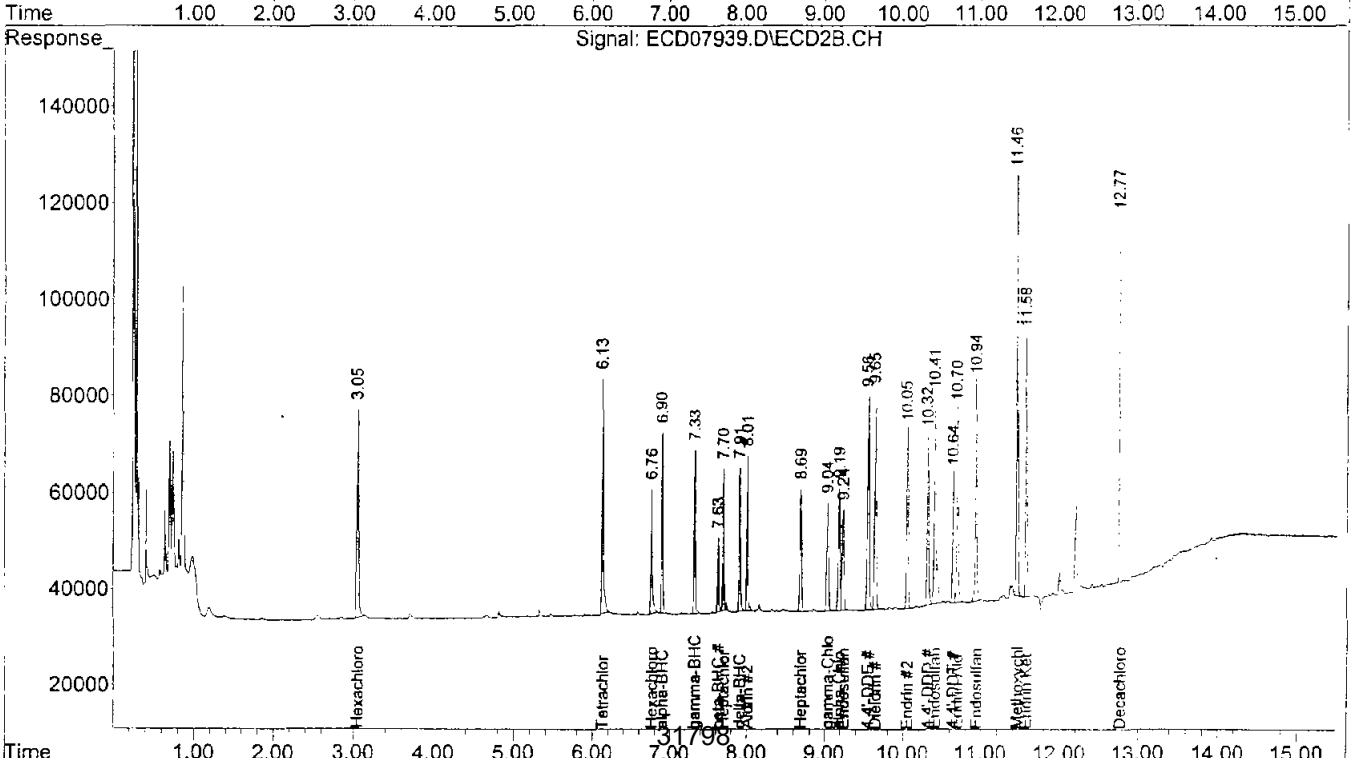
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111804\ECD07939.D\ECD1A.CH Vial: 3
Signal #2 : H:\DATA\111804\ECD07939.D\ECD2B.CH
Acq On : 11-18-2004 04:20:51 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: Nov 19 9:54 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:54:31 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 :





96700

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111804\ECD07940.D\ECD1A.CH Vial: 4
Signal #2 : H:\DATA\111804\ECD07940.D\ECD2B.CH
Acq On : 11-18-2004 04:41:45 PM Operator: SJL/CRF
Sample : 2.0ug/l 8081 std 1174-25-03 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autointl.e IntFile Signal #2: autoint2.e
Quant Time: Nov 19 09:54:16 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:54:10 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 :

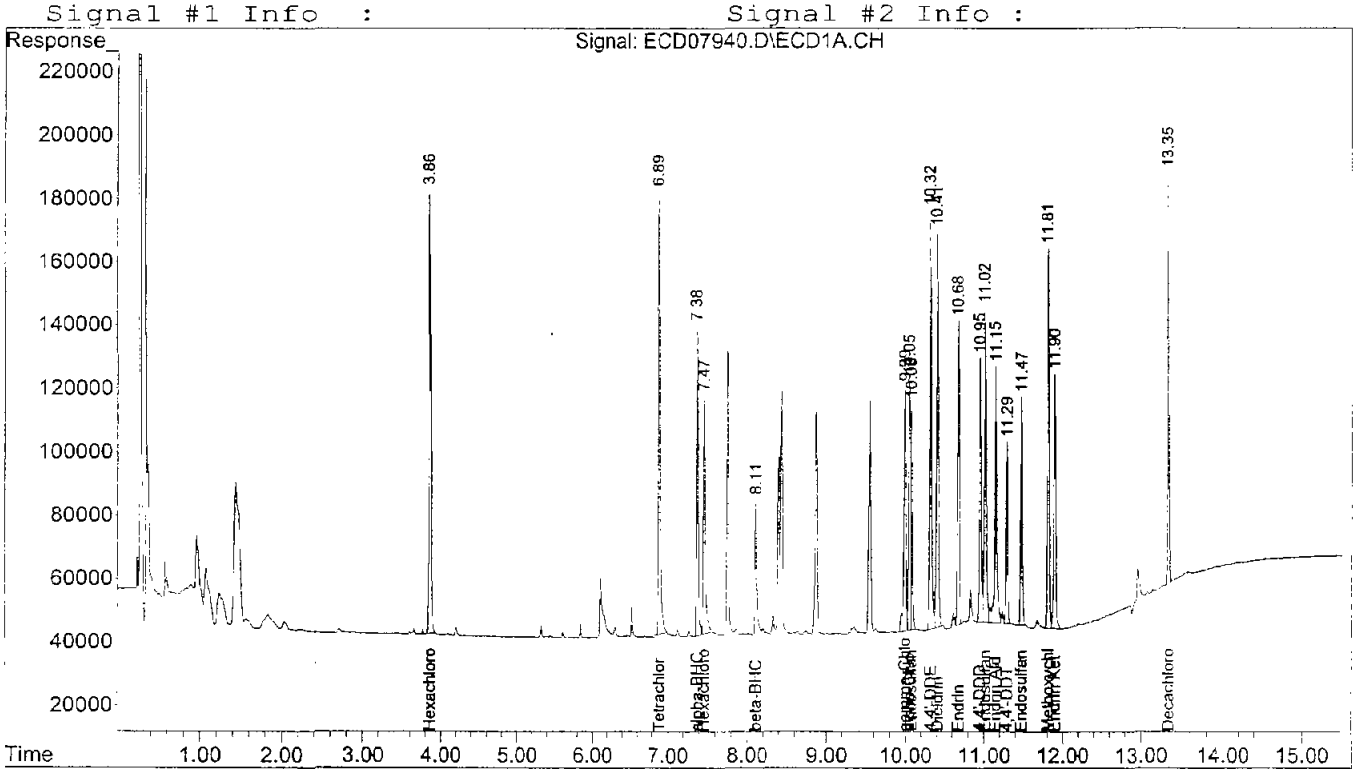
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.89	6.13	2038859	1175224	3.965	3.727	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	19.82%#	18.63%#	
24)	SR	Decachlorobiphen	13.35	12.77	1556313	1539625	7.362	7.706	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	36.81%#	38.53%#	
		Target Compounds							
1)	T	Hexachlorobutadi	3.86	3.06	2137478	1298090	1.936	1.809	
3)		alpha-BHC	7.38	6.90	1222968	719479	1.996	1.665	
4)	T	Hexachlorobenzen	7.47	6.76	1209101	642059	2.139	1.975	
5)	M	gamma-BHC (Linda	7.76	7.33	1111293	650738	N.D.	1.677	
6)		beta-BHC	8.11	7.63	613754	307559	1.696	1.888	
7)		delta-BHC	8.40	7.91	740282	501826	N.D.	1.584	
8)	M	Heptachlor	8.43	7.70	1201296	616003	N.D.	1.832	
9)	M	Aldrin	8.87	8.01	1236868	691238	N.D.	1.881	
10)		Heptachlor Epoxi	9.55	8.69	1246465	679223	N.D.	1.897	
11)		gamma-Chlordane	9.99	9.04	1293642	683558	2.874	2.006	#
12)		alpha-Chlordane	10.05	9.19	1230071	718919	2.676	2.045	
13)		Endosulfan I	10.08	9.24	1074391	650237	2.493	1.919	
14)		4,4'-DDE	10.32	9.56	2193739	1384376	5.300	4.193	
15)	M	Dieldrin	10.41	9.65	1984472	1245075	4.938	3.867	
16)	M	Endrin	10.68	10.05	1419802	990369	4.899	3.533	#
17)		4,4'-DDD	10.95	10.32	1299120	855092	4.666	3.434	#
18)		Endosulfan II	11.02	10.41	1613366	1243908	4.730	3.895	
19)	M	4,4'-DDT	11.29	10.64	836719	661636	4.096	3.124	
20)		Endrin Aldehyde	11.15	10.70	1514687	953678	5.446	3.730	#
21)		Endosulfan Sulfa	11.47	10.94	1067436	962155	4.051	3.302	
22)		Methoxychlor	11.82	11.46	1726268	2067805	19.810	19.342	
23)		Endrin Ketone	11.90	11.58	1273525	1261392	4.158	3.782	

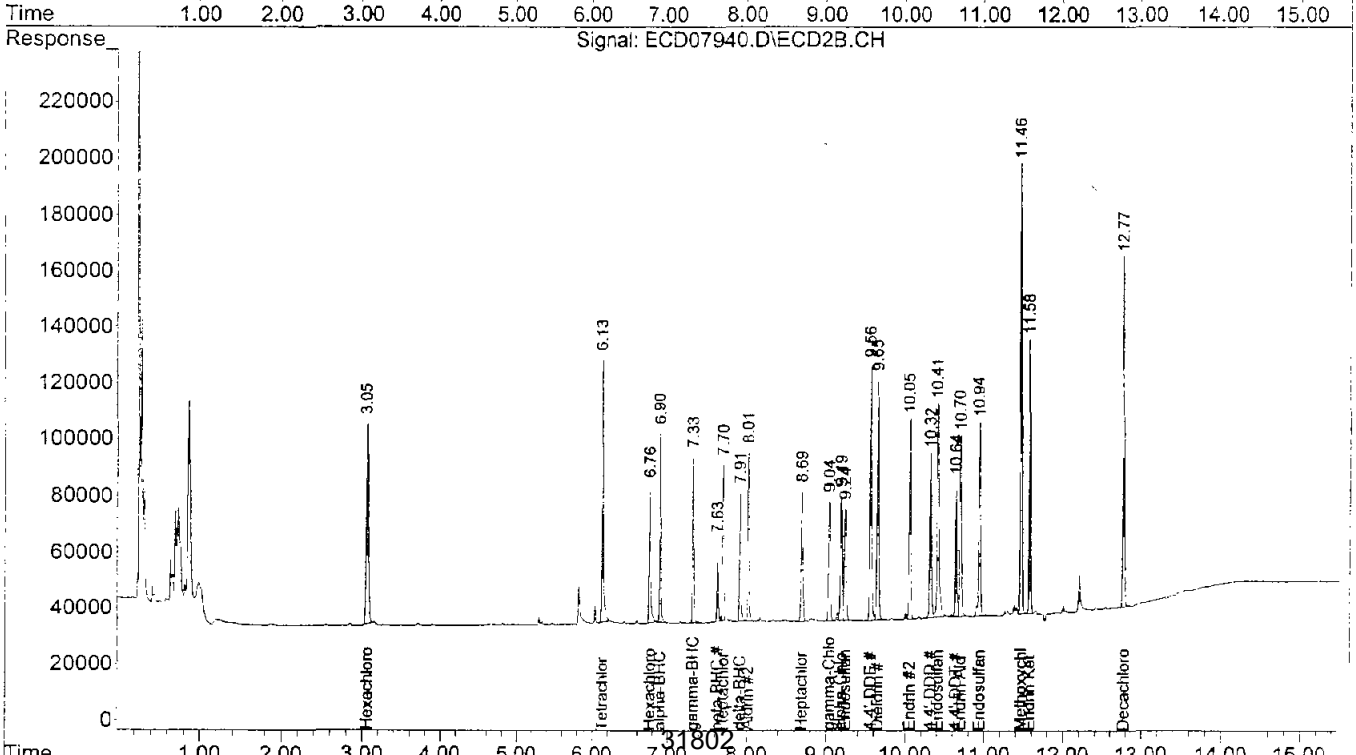
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111804\ECD07940.D\ECD1A.CH Vial: 4
Signal #2 : H:\DATA\111804\ECD07940.D\ECD2B.CH
Acq On : 11-18-2004 04:41:45 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: Nov 19 9:54 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:54:10 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\111804\ECD07941.D\ECD1A.CH Vial: 5
Signal #2 : H:\DATA\111804\ECD07941.D\ECD2B.CH
Acq On : 11-18-2004 05:02:43 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: Nov 19 09:53:57 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:53:49 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	6.89	6.13	5376887	3062804	10.935	9.880	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	54.68%#	49.40%#	
24)	SR	Decachlorobiphen	13.35	12.77	4166954	4163512	20.415	21.528	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	102.08%	107.64%	
		Target Compounds							
1)	T	Hexachlorobutadi	3.86	3.05	5393459	3280556	4.954	4.601	
3)		alpha-BHC	7.38	6.90	3533156	2072704	5.796	4.867	
4)	T	Hexachlorobenzen	7.47	6.76	3062500	1629462	5.553	5.093	
5)	M	gamma-BHC (Linda	7.76	7.33	3173044	1857691	3.172	4.857	#
6)		beta-BHC	8.11	7.63	1499020	778167	5.193	4.829	
7)		delta-BHC	8.40	7.91	2606796	1691816	4.124	5.496	#
8)	M	Heptachlor	8.43	7.70	3197869	1613148	4.439	4.864	
9)	M	Aldrin	8.87	8.01	3184290	1855664	3.881	5.186	#
10)		Heptachlor Epoxi	9.55	8.69	3107659	1771961	2.996	5.066	#
11)		gamma-Chlordane	9.99	9.04	2999564	1822029	6.899	5.490	
12)		alpha-Chlordane	10.05	9.19	3041641	1859925	6.852	5.436	
13)		Endosulfan I	10.08	9.24	2734376	1699950	6.560	5.139	
14)		4,4'-DDE	10.32	9.56	5172667	3472863	10.917	10.824	
15)	M	Dieldrin	10.41	9.65	5028748	3391943	10.999	10.817	
16)	M	Endrin	10.68	10.05	3443893	2610309	10.325	9.437	
17)		4,4'-DDD	10.95	10.32	3672434	2705240	11.771	11.178	
18)		Endosulfan II	11.02	10.41	4082655	3236861	12.397	10.396	
19)	M	4,4'-DDT	11.29	10.64	2079670	1989981	8.988	9.648	
20)		Endrin Aldehyde	11.15	10.70	3335933	2504088	12.487	10.043	
21)		Endosulfan Sulfa	11.47	10.94	2707949	3070692	10.558	10.914	
22)		Methoxychlor	11.82	11.46	4748254	5736720	57.362	55.421	
23)		Endrin Ketone	11.90	11.58	3402344	3489050	11.688	10.792	

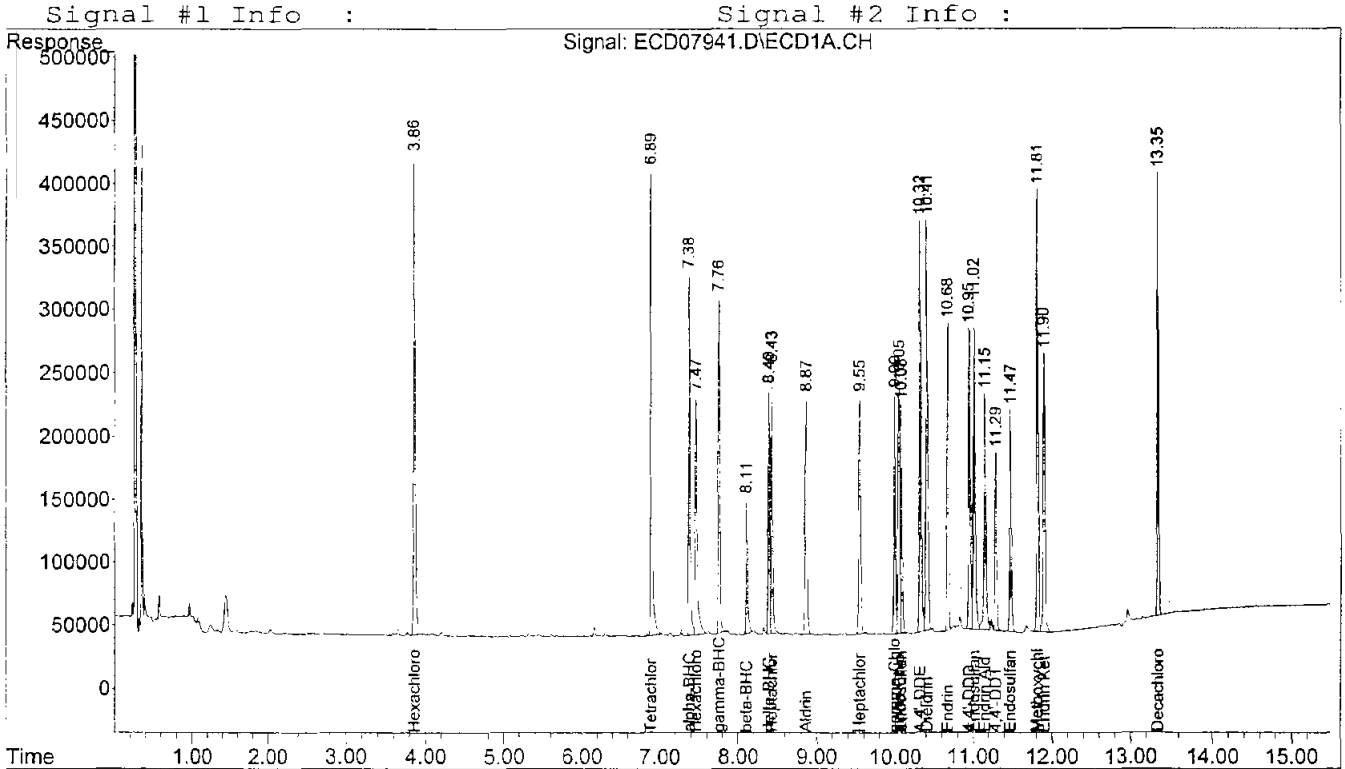
00799

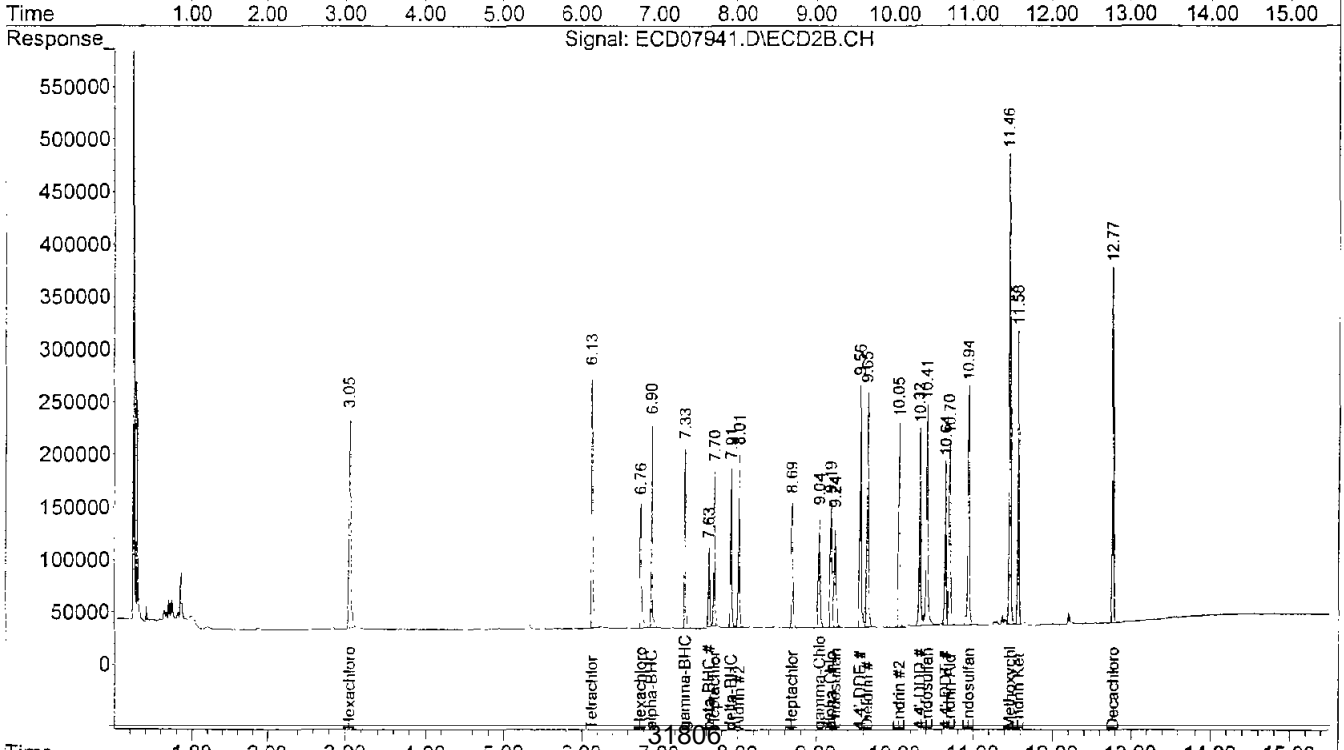
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111804\ECD07941.D\ECD1A.CH Vial: 5
Signal #2 : H:\DATA\111804\ECD07941.D\ECD2B.CH
Acq On : 11-18-2004 05:02:43 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: Nov 19 9:53 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:53:49 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 :





000800

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111804\ECD07942.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\111804\ECD07942.D\ECD2B.CH
Acq On : 11-18-2004 05:23:35 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: Nov 19 09:53:40 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:53:32 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 :

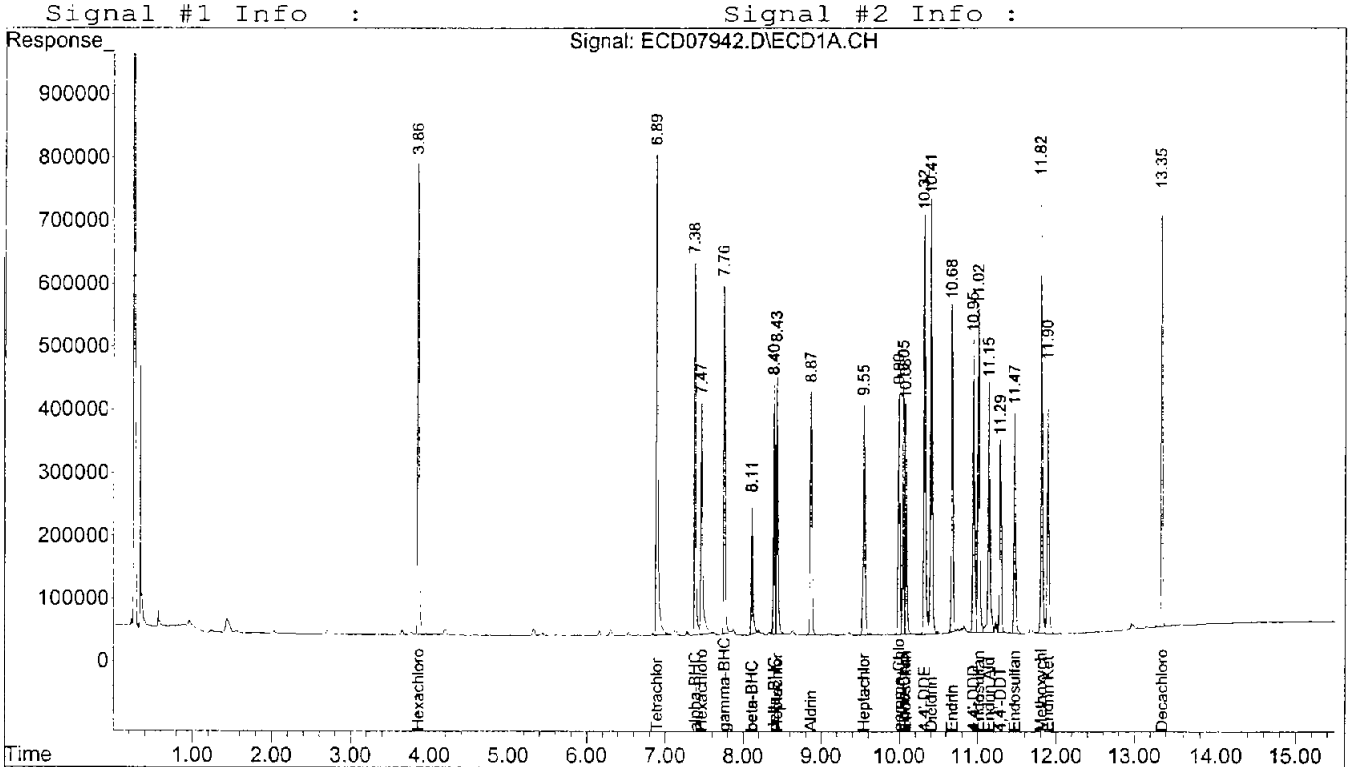
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	6.89	6.13	10730140	6249354	22.268	20.497	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	111.34%	102.49%	
24)	SR	Decachlorobiphen	13.35	12.77	8198881	8055625	41.915	43.380	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	209.57%#	216.90%#	
		Target Compounds							
1)	T	Hexachlorobutadi	3.86	3.05	10926591	6528923	10.207	9.238	
3)		alpha-BHC	7.38	6.90	7358640	4379690	11.951	10.483	
4)	T	Hexachlorobenzen	7.47	6.76	5853701	3271264	10.524	10.431	
5)	M	gamma-BHC (Linda	7.76	7.33	6527312	3847881	11.767	10.242	
6)		beta-BHC	8.11	7.63	2902383	1651850	9.936	10.556	
7)		delta-BHC	8.40	7.91	5429037	3198398	13.411	10.646	
8)	M	Heptachlor	8.43	7.70	6674787	3498540	14.647	10.821	#
9)	M	Aldrin	8.87	8.01	6480059	3756123	13.864	10.803	
10)		Heptachlor Epoxi	9.55	8.69	6192351	3554644	11.994	10.437	
11)		gamma-Chlordane	9.99	9.04	6027726	3684261	14.284	11.454	
12)		alpha-Chlordane	10.05	9.19	6216397	3586449	14.494	10.755	#
13)		Endosulfan I	10.08	9.24	5372983	3345243	13.213	10.394	
14)		4,4'-DDE	10.32	9.56	10630052	7203924	21.442	23.253	
15)	M	Dieldrin	10.41	9.65	10448043	6942925	22.107	22.855	
16)	M	Endrin	10.68	10.05	7103702	5430807	20.356	20.027	
17)		4,4'-DDD	10.95	10.32	7133584	5564477	22.302	23.843	
18)		Endosulfan II	11.02	10.41	7970281	6437402	25.149	21.319	
19)	M	4,4'-DDT	11.29	10.64	4511504	4343488	18.494	21.860	
20)		Endrin Aldehyde	11.15	10.70	6543149	5017155	25.634	20.812	
21)		Endosulfan Sulfa	11.47	10.94	5258010	6203913	20.994	23.078	
22)		Methoxychlor	11.82	11.46	9588043	11272212	122.830	113.029	
23)		Endrin Ketone	11.90	11.58	6548416	6998768	23.807	22.509	

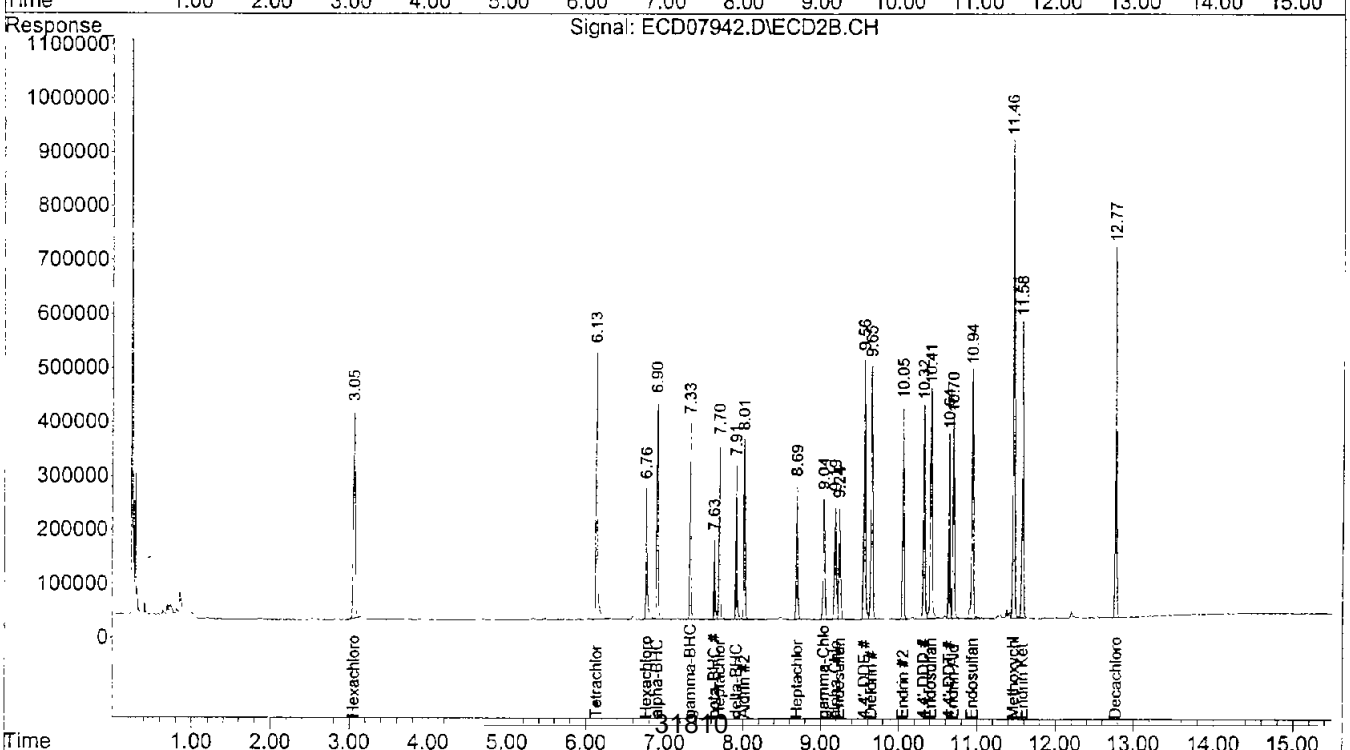
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111804\ECD07942.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\111804\ECD07942.D\ECD2B.CH
Acq On : 11-18-2004 05:23:35 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: Nov 19 9:53 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:53:32 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\111804\ECD07943.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\111804\ECD07943.D\ECD2B.CH
Acq On : 11-18-2004 05:44:27 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: Nov 19 09:42:26 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:42:23 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	6.89	6.13	20089827	11943087	40.945	39.693	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	204.72%#	198.46%#	
24)	SR	Decachlorobiphen	13.35	12.77	12991060	12637953	67.583	68.936	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	337.92%#	344.68%#	
		Target Compounds							
1)	T	Hexachlorobutadi	3.86	3.06	21065444	12495484	19.908	17.855	
3)		alpha-BHC	7.38	6.90	13730923	8282787	18.729	20.075	
4)	T	Hexachlorobenzen	7.47	6.76	10621250	6008665	16.420	19.386	
5)	M	gamma-BHC (Linda	7.76	7.33	11773262	7067409	17.630	19.021	
6)		beta-BHC	8.11	7.63	4981220	2724159	13.987	17.650	#
7)		delta-BHC	8.40	7.91	9027315	5703702	16.203	19.174	
8)	M	Heptachlor	8.43	7.70	12833897	6725948	20.880	21.059	
9)	M	Aldrin	8.87	8.01	11820119	6922010	19.054	20.198	
10)		Heptachlor Epoxi	9.55	8.69	10814138	6286947	17.731	18.655	
11)		gamma-Chlordane	9.99	9.04	10721138	6457959	19.866	20.304	
12)		alpha-Chlordane	10.05	9.19	10583384	6444727	19.770	19.535	
13)		Endosulfan I	10.08	9.24	9746630	5952122	19.133	18.657	
14)		4,4'-DDE	10.32	9.56	18826113	12532418	37.586	41.007	
15)	M	Dieldrin	10.41	9.65	18047940	12190437	38.023	40.604	
16)	M	Endrin	10.68	10.05	12513880	9403178	35.173	34.730	
17)		4,4'-DDD	10.95	10.32	11949548	9090876	36.684	39.348	
18)		Endosulfan II	11.02	10.41	13173971	10330548	41.909	34.507	
19)	M	4,4'-DDT	11.29	10.64	8523581	7474364	35.181	38.002	
20)		Endrin Aldehyde	11.15	10.70	10658728	7999774	42.343	33.425	
21)		Endosulfan Sulfa	11.47	10.94	9082154	9738306	36.397	36.756	
22)		Methoxychlor	11.82	11.46	15319368	18808978	200.729	189.902	
23)		Endrin Ketone	11.90	11.58	10081391	11167739	37.521	36.300	

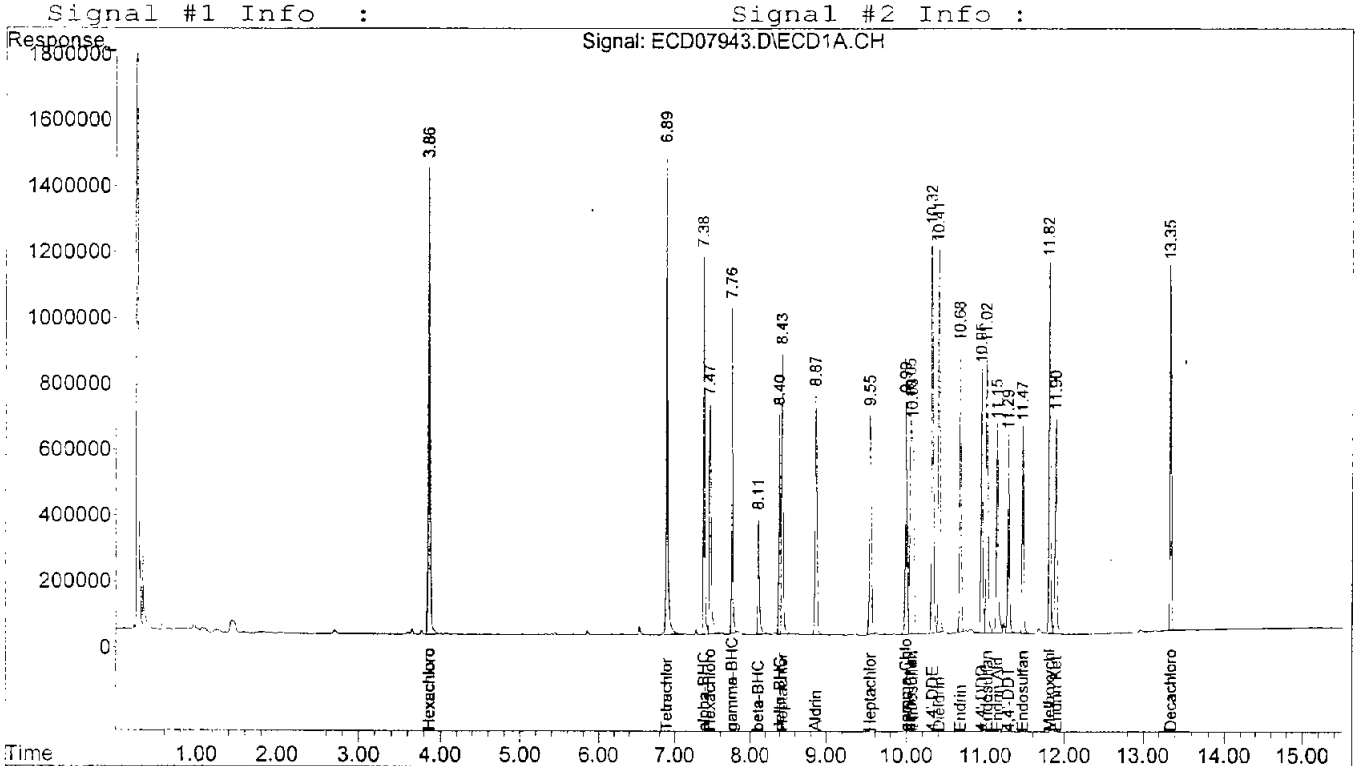
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

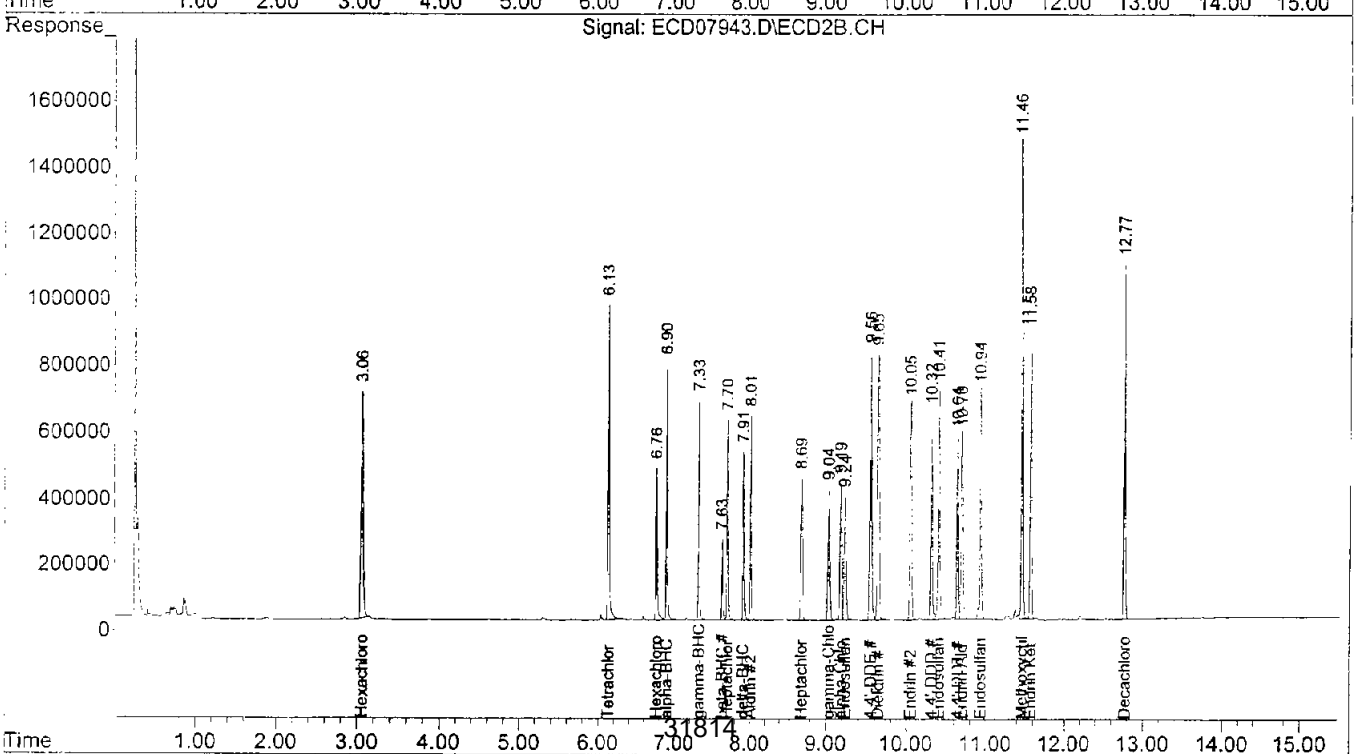
00803

Signal #1 : H:\DATA\111804\ECD07943.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\111804\ECD07943.D\ECD2B.CH
Acq On : 11-18-2004 05:44:27 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: Nov 19 9:42 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:42:23 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\111804\ECD07944.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\111804\ECD07944.D\ECD2B.CH
Acq On : 11-18-2004 06:05:19 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: Nov 19 09:55:22 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:55:15 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	6.89	6.13	42077597	30456982	82.618	100.384	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	413.09%#	501.92%#	
24)	SR	Decachlorobiphen	13.35	12.77	39643683	37605010	197.680	190.320	
		Spiked Amount 20.000	Range 60 - 150			Recovery =	988.40%#	951.60%#	
		Target Compounds							
1)	T	Hexachlorobutadi	3.86	3.05	52286236	32373138	48.583	49.479	
3)		alpha-BHC	7.38	6.90	25854897	22966666	44.270	55.736	#
4)	T	Hexachlorobenzen	7.46	6.76	17500553	15458261	41.508	48.264	
5)	M	gamma-BHC (Linda	7.76	7.33	18784126	19986488	46.560	54.555	
6)		beta-BHC	8.11	7.63	7267916	7776460	38.707	50.338	#
7)		delta-BHC	8.40	7.91	14843464	17640705	46.710	56.517	
8)	M	Heptachlor	8.43	7.70	17202266	18524766	44.854	55.517	
9)	M	Aldrin	8.87	8.01	16114819	18822069	45.001	51.680	
10)		Heptachlor Epoxi	9.55	8.69	16591085	17379786	46.217	50.153	
11)		gamma-Chlordane	9.99	9.04	18066819	18626825	41.947	52.217	
12)		alpha-Chlordane	10.05	9.19	18499317	18320351	42.393	50.611	
13)		Endosulfan I	10.08	9.24	16077196	16410863	41.628	49.763	
14)		4,4'-DDE	10.32	9.56	52193962	36861131	102.452	106.681	
15)	M	Dieldrin	10.41	9.65	48163197	34274307	100.819	103.958	
16)	M	Endrin	10.68	10.05	35908005	27537927	103.639	106.276	
17)		4,4'-DDD	10.95	10.32	34304175	27896145	102.880	109.432	
18)		Endosulfan II	11.02	10.41	35810911	29691048	90.535	94.024	
19)	M	4,4'-DDT	11.29	10.64	26602251	24820782	102.231	124.399	
20)		Endrin Aldehyde	11.15	10.70	28924506	22624372	87.561	93.281	
21)		Endosulfan Sulfa	11.47	10.94	24555339	28969344	90.122	101.872	
22)		Methoxychlor	11.81	11.46	48397789	57063860	532.960	525.376	
23)		Endrin Ketone	11.90	11.58	29779052	32358479	94.474	98.683	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

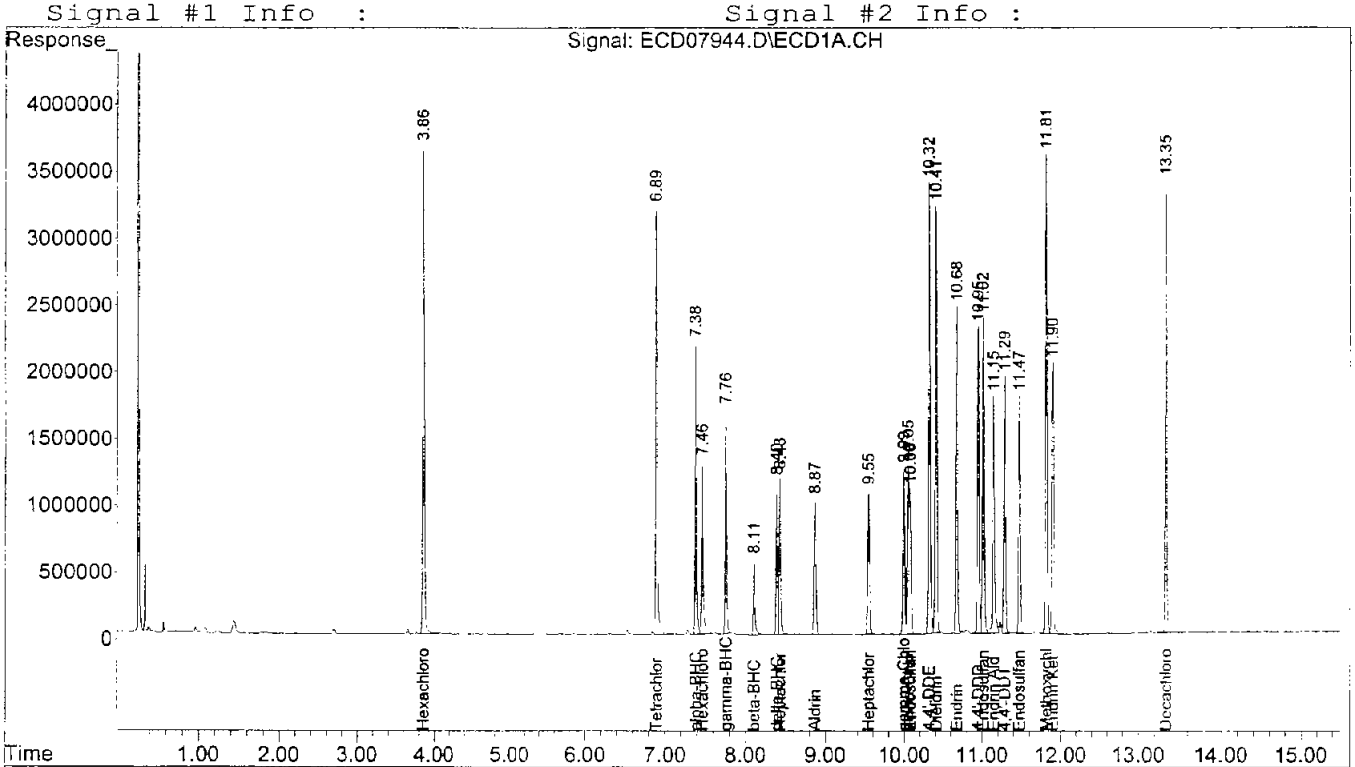
50805

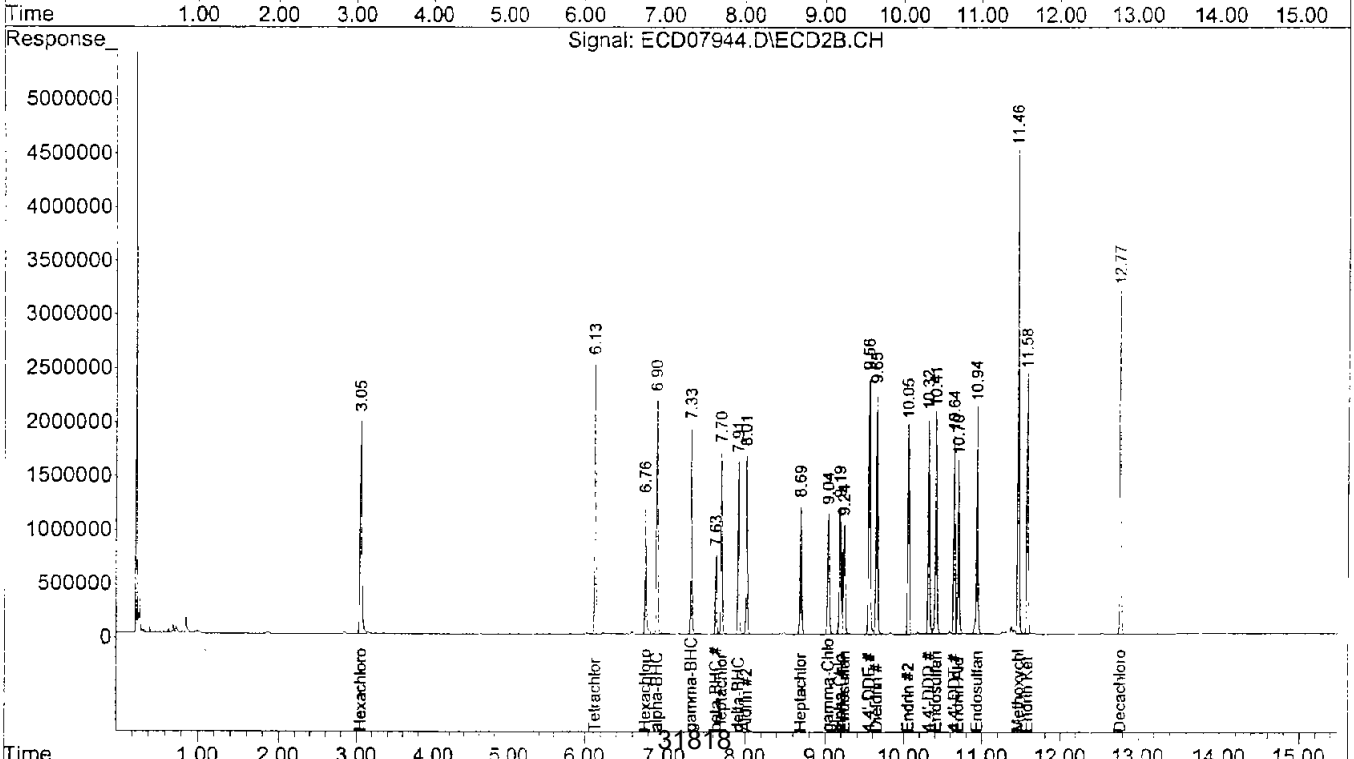
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111804\ECD07944.D\ECD1A.CH Vial: 8
Signal #2 : H:\DATA\111804\ECD07944.D\ECD2B.CH
Acq On : 11-18-2004 06:05:19 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: Nov 19 9:55 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:55:15 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\111804\ECD07945.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\111804\ECD07945.D\ECD2B.CH
Acq On : 11-18-2004 06:26:12 PM Operator: SJL/CRF
Sample : 10ug/1 8081 ICV 1174-25-08 Inst : Agilent E
Misc : Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 19 09:58:47 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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 :

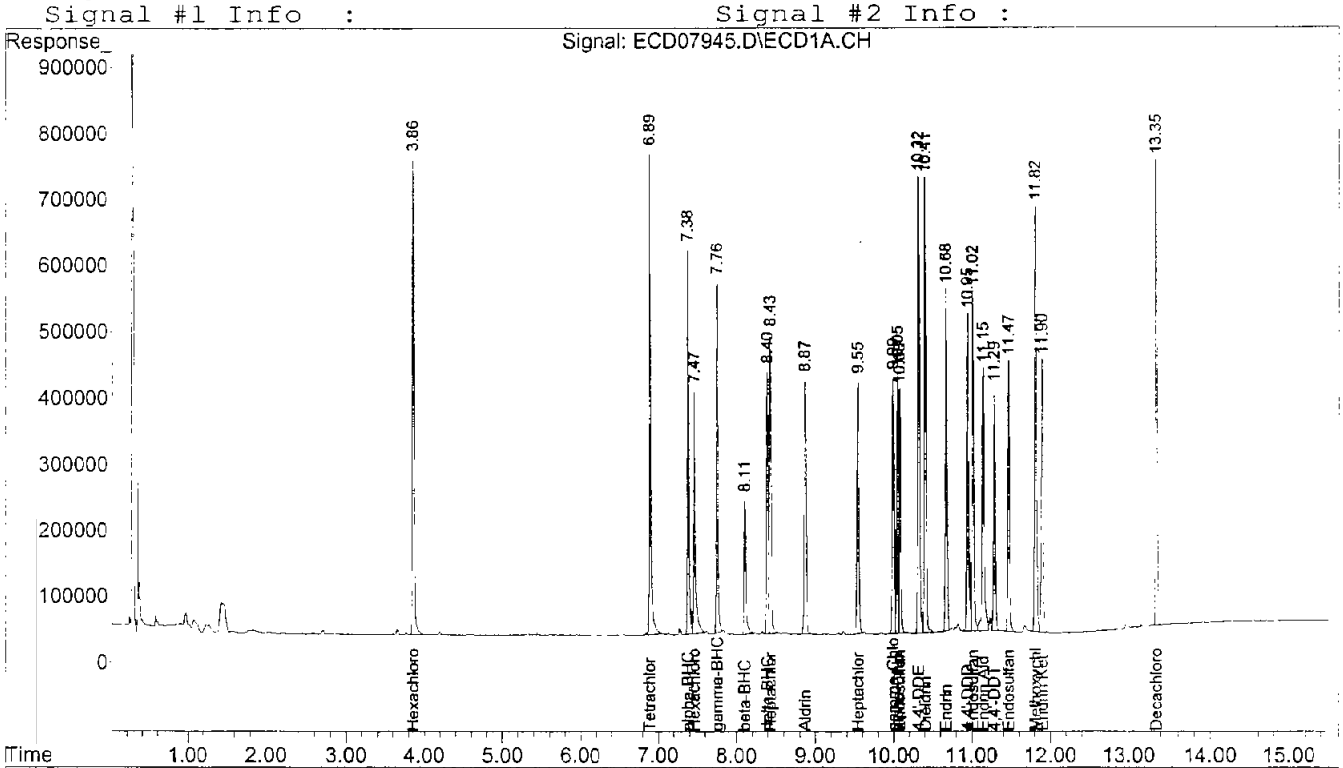
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.89	6.13	10339904	6000022	20.302	19.776
		Spiked Amount 20.000	Range 60 - 150		Recovery =		101.51%	98.88%
24)	SR	Decachlorobiphen	13.35	12.77	8341099	8060095	41.592	40.792
		Spiked Amount 20.000	Range 60 - 150		Recovery =		207.96%#	203.96%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.86	3.06	10662907	6571438	9.908	10.044
3)		alpha-BHC	7.38	6.90	7082589	4296997	10.391	10.428
4)	T	Hexachlorobenzen	7.47	6.76	5647102	3163436	9.497	9.877
5)	M	gamma-BHC (Linda	7.76	7.33	6339880	3772932	10.349	10.298
6)		beta-BHC	8.11	7.63	2928312	1597029	9.944	10.338
7)		delta-BHC	8.40	7.91	5301682	3378697	11.087	10.825
8)	M	Heptachlor	8.43	7.70	6756606	3510223	10.596	10.520
9)	M	Aldrin	8.87	8.01	6316321	3680066	9.886	10.104
10)		Heptachlor Epoxi	9.55	8.69	6095640	3488527	9.748	10.067
11)		gamma-Chlordane	9.99	9.04	6072653	3617942	9.949	10.142
12)		alpha-Chlordane	10.05	9.19	6233762	3657323	10.153	10.104
13)		Endosulfan I	10.08	9.24	5418357	3328585	9.962	10.093
14)		4,4'-DDE	10.32	9.56	10988870	7062971	20.889	20.441
15)	M	Dieldrin	10.41	9.65	10696487	6877234	21.304	20.859
16)	M	Endrin	10.68	10.05	7347769	5365298	20.811	20.706
17)		4,4'-DDD	10.95	10.32	7428655	5487489	21.202	21.526
18)		Endosulfan II	11.02	10.41	8134162	6279946	20.564	19.887
19)	M	4,4'-DDT	11.29	10.64	5297115	4440179	23.505	22.254
20)		Endrin Aldehyde	11.15	10.70	6816174	4908519	20.634	20.238
21)		Endosulfan Sulfa	11.47	10.94	6082894	6210438	22.325	21.839
22)		Methoxychlor	11.82	11.46	9553494	11832728	105.204	108.942
23)		Endrin Ketone	11.90	11.58	6297801	6938177	19.980	21.159

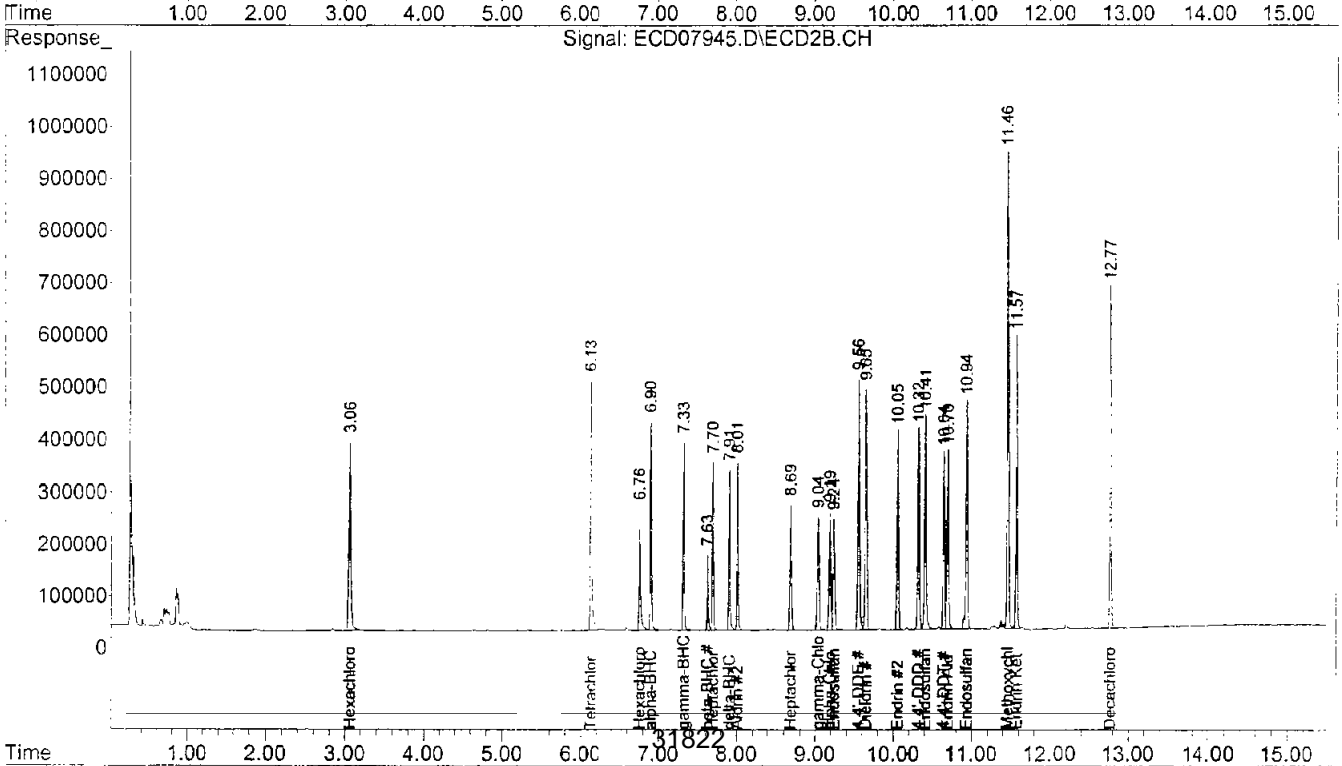
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111804\ECD07945.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\111804\ECD07945.D\ECD2B.CH
Acq On : 11-18-2004 06:26:12 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: Nov 19 9:58 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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\111804\ECD07945.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\111804\ECD07945.D\ECD2B.CH
Acq On : 11-18-2004 06:26:12 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\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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	9.908	0.9	98	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	20.302	-1.5	96	0.00
3		alpha-BHC	10.000	10.391	-3.9	96	0.00
4	T	Hexachlorobenzene	10.000	9.497	5.0	96	0.00
5	M	gamma-BHC (Lindane)	10.000	10.349	-3.5	97	0.00
6		beta-BHC	10.000	9.944	0.6	101	0.00
7		delta-BHC	10.000	11.087	-10.9	98	0.00
8	M	Heptachlor	10.000	10.596	-6.0	101	0.00
9	M	Aldrin	10.000	9.886	1.1	97	0.00
10		Heptachlor Epoxide	10.000	9.748	2.5	98	0.00
11		gamma-Chlordane	10.000	9.949	0.5	101	0.00
12		alpha-Chlordane	10.000	10.153	-1.5	100	0.00
13		Endosulfan I	10.000	9.962	0.4	101	0.00
14		4,4'-DDE	20.000	20.889	-4.4	103	0.00
15	M	Dieldrin	20.000	21.304	-6.5	102	0.00
16	M	Endrin	20.000	20.811	-4.1	103	0.00
17		4,4'-DDD	20.000	21.202	-6.0	104	0.00
18		Endosulfan II	20.000	20.564	-2.8	102	0.00
19	M	4,4'-DDT	20.000	23.505	-17.5#	117	0.00
20		Endrin Aldehyde	20.000	20.634	-3.2	104	0.00
21		Endosulfan Sulfate	20.000	22.325	-11.6	116	0.00
22		Methoxychlor	100.000	105.204	-5.2	100	0.00
23		Endrin Ketone	20.000	19.980	0.1	96	0.00
24	SR	Decachlorobiphenyl (S)	40.000	41.592	-4.0	102	0.00
		Signal #2					
1	T	Hexachlorobutadiene	10.000	10.044	-0.4	101	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	19.776	1.1	96	0.00
3		alpha-BHC	10.000	10.428	-4.3	98	0.00
4	T	Hexachlorobenzene	10.000	9.877	1.2	97	0.00
5	M	gamma-BHC (Lindane)	10.000	10.298	-3.0	98	0.00
6		beta-BHC	10.000	10.338	-3.4	97	0.00
7		delta-BHC	10.000	10.825	-8.2	106	0.00
8	M	Heptachlor	10.000	10.520	-5.2	100	0.00
9	M	Aldrin	10.000	10.104	-1.0	98	0.00
10		Heptachlor Epoxide	10.000	10.067	-0.7	98	0.00
11		gamma-Chlordane	10.000	10.142	-1.4	98	0.00
12		alpha-Chlordane	10.000	10.104	-1.0	102	0.00
13		Endosulfan I	10.000	10.093	-0.9	100	0.00
14		4,4'-DDE	20.000	20.441	-2.2	98	0.00
15	M	Dieldrin	20.000	20.859	-4.3	99	0.00
16	M	Endrin	20.000	20.706	-3.5	99	0.00
17		4,4'-DDD	20.000	21.526	-7.6	99	0.00
18		Endosulfan II	20.000	19.887	0.6	98	0.00
19	M	4,4'-DDT	20.000	22.254	-11.3	102	0.00
20		Endrin Aldehyde	20.000	20.238	-1.2	98	0.00
21		Endosulfan Sulfate	20.000	21.839	-9.2	100	0.00
22		Methoxychlor	100.000	108.942	-8.9	105	0.00
23		Endrin Ketone	20.000	21.159	-5.8	99	0.00
24	SR	Decachlorobiphenyl (S)	40.000	40.792	-2.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

60800

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : H:\DATA\111804\ECD07945.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\111804\ECD07945.D\ECD2B.CH
Acq On : 11-18-2004 06:26:12 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\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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\111804\ECD07937.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\111804\ECD07937.D\ECD2B.CH
Acq On : 11-18-2004 03:39:07 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: Nov 22 13:54:53 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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 :

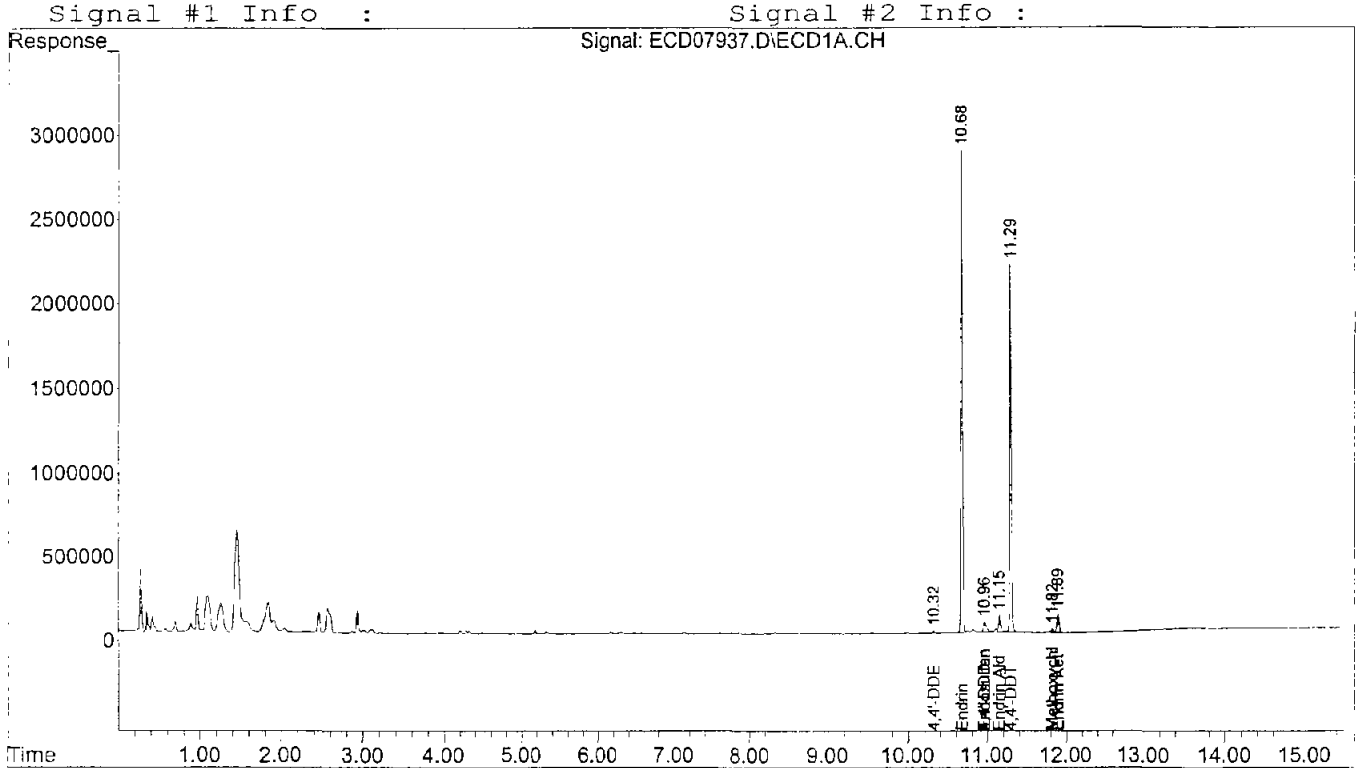
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000	Range 60 - 150		Recovery =		0.00%#	0.00%#	
24)	SR	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000	Range 60 - 150		Recovery =		0.00%#	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	10.32	0.00	341593	0	0.649	N.D.	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	10.68	10.05	40288568	29797761	114.107	114.997	
17)		4,4'-DDD	10.96	10.32	1650470	347487	4.711	1.363	#
18)		Endosulfan II	10.96f	10.38	1650470	343409	4.173	1.087	#
19)	M	4,4'-DDT	11.29	10.65	30666048	27333160	136.072	136.991	
20)		Endrin Aldehyde	11.15	10.70	2045143	1003164	6.191	4.136	#
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.82	11.41f	331866	459284	3.655	4.229	
23)		Endrin Ketone	11.89	11.57	2223425	1408789	7.054	4.296	#

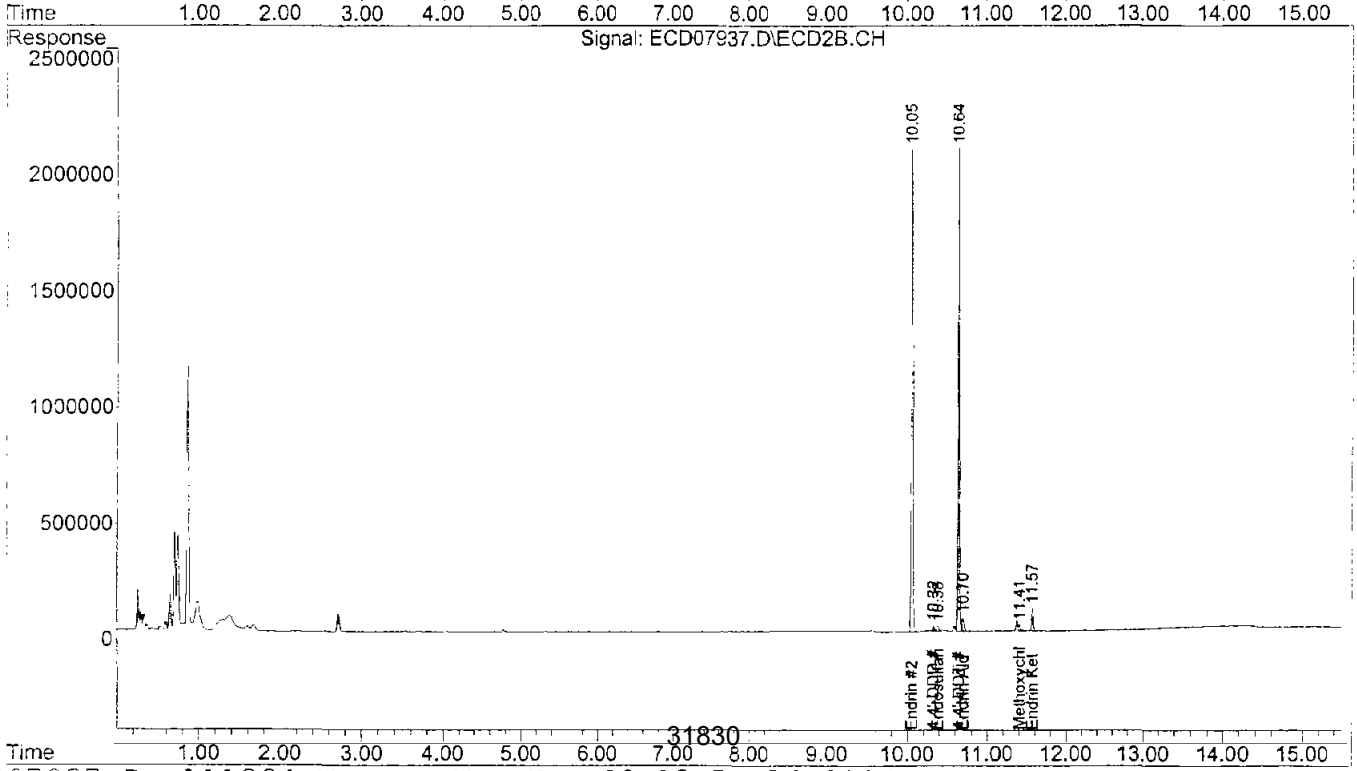
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111804\ECD07937.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\111804\ECD07937.D\ECD2B.CH
Acq On : 11-18-2004 03:39:07 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: Nov 22 13:54 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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\111804\ECD07937.D
Date Acquired 11-18-2004 03:39:07 PM

Compound Name	RT #1	RT #2	Resp. #1	Resp. #2	Amt. #1	Amt. #2	% Breakdown Column #1	% Breakdown Column #2
Endrin	10.68	10.05	40288568	29797761	114.11	115.00	**9.58%**	**7.49%**
Endrin Aldehyde	11.15	10.70	2045143	1003164	6.19	4.14		
Endrin Ketone	11.89	11.57	2223425	1408789	7.05	4.30		
4,4'-DDT	11.29	10.65	30666048	27333160	136.07	136.99	**6.10%**	**1.26%**
4,4'-DDE	10.32	0.00	341593	0	0.65	0.00		
4,4'-DDD	10.96	10.32	1650470	347487	4.71	1.36		

CONTINUING CALIBRATION

00814

Sequence Log

Directory : k:\DATA\111904

#	Filename	Sample Name	Date/Time
1	ecd07967.d	DDT/ENDRIN BREAKDOWN	11/19/04 15:32
2	ecd07968.d	10UG/L 8081 CCV 1174-25-05	11/19/04 15:53
3	ecd07969.d	MB PE1794	11/19/04 16:17
4	ecd07970.d	BS PE1794	11/19/04 16:38
5	ecd07971.d	BSD PE1794	11/19/04 16:59
6	ecd07972.d	124882-01 PE1794	11/19/04 17:20
7	ecd07973.d	124882-02 PE1794	11/19/04 17:40
8	ecd07974.d	124882-02 MS PE1794	11/19/04 18:01
9	ecd07975.d	124882-02 MSD PE1794	11/19/04 18:22
10	ecd07976.d	124882-03 PE1794	11/19/04 18:43
11	ecd07977.d	124882-04 PE1794	11/19/04 19:04
12	ecd07978.d	124882-05 PE1794	11/19/04 19:25
13	ecd07979.d	124882-06 PE1794	11/19/04 19:46
14	ecd07980.d	124882-07 PE1794	11/19/04 20:06
15	ecd07981.d	124882-08 PE1794	11/19/04 20:27
16	ecd07982.d	RINSE	11/19/04 20:48
17	ecd07983.d	20UG/L 8081 CCV 1174-25-06	11/19/04 21:09
18	ecd07984.d	MB PE1795	11/19/04 21:30
19	ecd07985.d	BS PE1795	11/19/04 21:51
20	ecd07986.d	BSD PE1795	11/19/04 22:12
21	ecd07987.d	124852-02 PE1795	11/19/04 22:33
22	ecd07988.d	124852-02 MS PE1795	11/19/04 22:54
23	ecd07989.d	124852-02 MSD PE1795	11/19/04 23:15
24	ecd07990.d	124945-03 PE1795	11/19/04 23:36
25	ecd07991.d	124969-08 PE1795	11/19/04 23:57
26	ecd07992.d	RINSE	11/20/04 00:18
27	ecd07993.d	10UG/L 8081 CCV 1174-25-05	11/20/04 00:39

00815

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07967.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\111904\ECD07967.D\ECD2B.CH
Acq On : 11-19-2004 03:32:14 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: Nov 22 13:58:11 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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 :

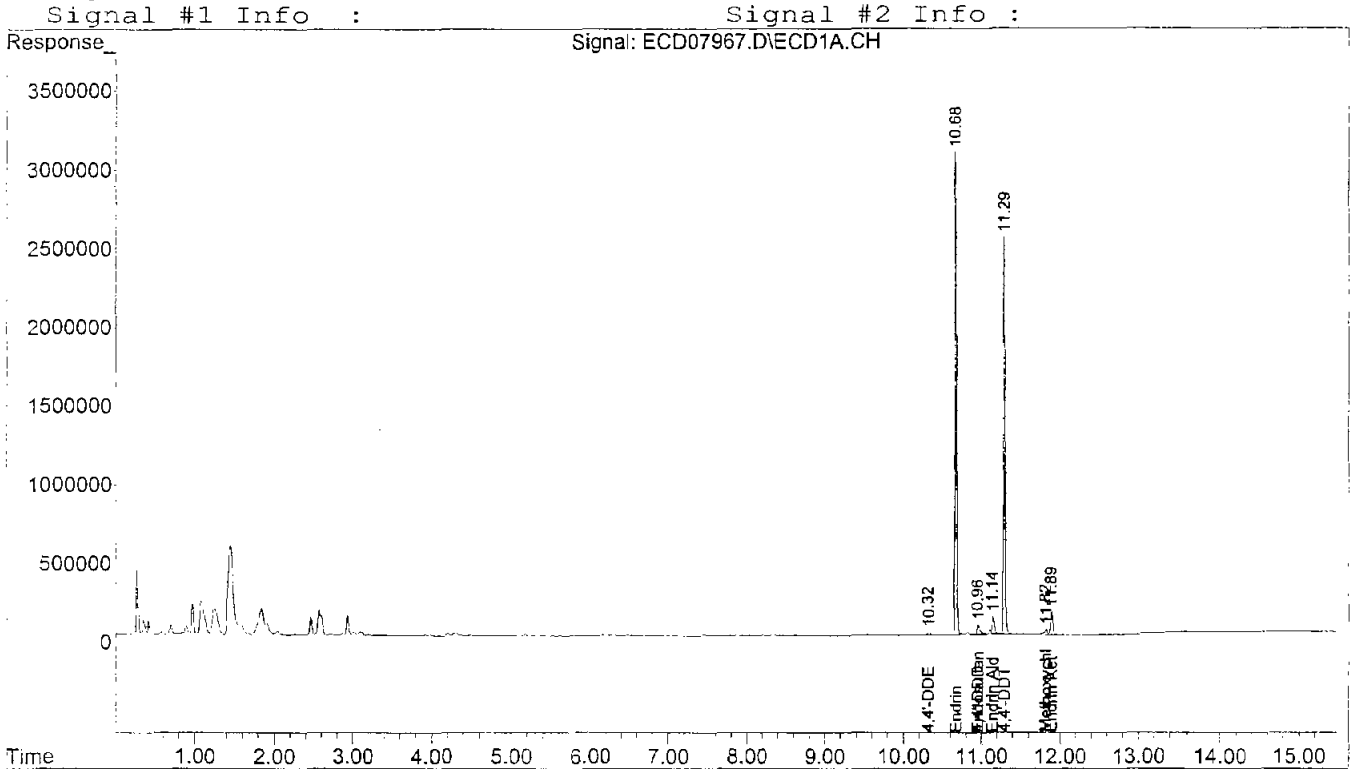
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
2)	SR	Tetrachloro-m-xy	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000	Range 60 - 150		Recovery =		0.00%#	0.00%#	
24)	SR	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.	
		Spiked Amount 20.000	Range 60 - 150		Recovery =		0.00%#	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	10.32	0.00	495722	0	0.942	N.D.	#
15)	M	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
16)	M	Endrin	10.68	10.05	44252475	31744795	125.334	122.511	
17)		4,4'-DDD	10.96	10.32	1777328	337376	5.073	1.323	#
18)		Endosulfan II	10.96f	10.38	1777328	363671	4.493	1.152	#
19)	M	4,4'-DDT	11.29	10.64	35038824	29603676	155.475	148.371	
20)		Endrin Aldehyde	11.15	10.70	2243542	983560	6.792	4.055	#
21)		Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
22)		Methoxychlor	11.82	11.41f	498579	522429	5.490	4.810	
23)		Endrin Ketone	11.89	11.57	2903670	1404540	9.212	4.283	#

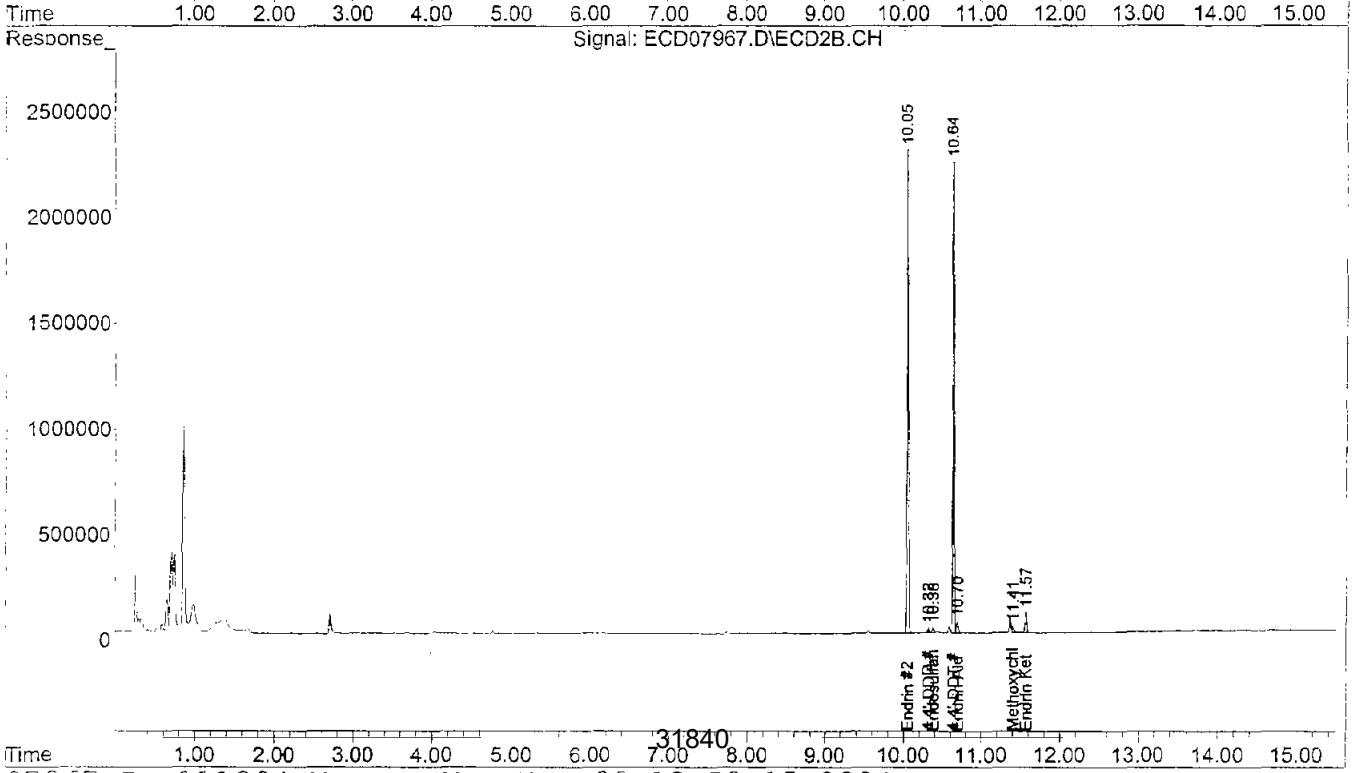
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07967.D\ECD1A.CH Vial: 1
Signal #2 : H:\DATA\111904\ECD07967.D\ECD2B.CH
Acq On : 11-19-2004 03:32:14 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: Nov 22 13:58 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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 :





000817

Custom Report - DDT/Endrin Breakdown Evaluation

Sample Name DDT/ENDRIN BREAKDOWN

Data File Name H:\DATA\111904\ECD07967.D
Date Acquired 11-19-2004 03:32:14 PM

Compound Name	RT #1	RT #2	Resp. #1	Resp. #2	Amt. #1	Amt. #2	% Breakdown Column #1	% Breakdown Column #2
Endrin	10.68	10.05	44252475	31744795	125.33	122.51	**10.42%**	**7.00%**
Endrin Aldehyde	11.15	10.70	2243542	983560	6.79	4.06		
Endrin Ketone	11.89	11.57	2903670	1404540	9.21	4.28		
4,4'-DDT	11.29	10.64	35038824	29603676	155.48	148.37	**6.09%**	**1.13%**
4,4'-DDE	10.32	0.00	495723	0	0.94	0.00		
4,4'-DDD	10.96	10.32	1777328	337376	5.07	1.32		

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07968.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\111904\ECD07968.D\ECD2B.CH
Acq On : 11-19-2004 03:53:06 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: Nov 19 16:15:14 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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	6.89	6.13	9896928	5987932	19.432	19.736
		Spiked Amount 20.000	Range 60 - 150			Recovery =	97.16%	98.68%
24)	SR	Decachlorobiphen	13.35	12.77	7634292	7643858	38.068	38.686
		Spiked Amount 20.000	Range 60 - 150			Recovery =	190.34%#	193.43%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.86	3.05	10107689	6217034	9.392	9.502
3)		alpha-BHC	7.38	6.90	6769086	4218891	9.931	10.239
4)	T	Hexachlorobenzen	7.47	6.76	5445157	3153598	9.158	9.846
5)	M	gamma-BHC (Linda	7.76	7.33	6010183	3735399	9.811	10.196
6)		beta-BHC	8.11	7.63	2689026	1594345	9.132	10.320
7)		delta-BHC	8.40	7.91	4578545	2867347	9.575	9.186
8)	M	Heptachlor	8.43	7.70	6221241	3461899	9.756	10.375
9)	M	Aldrin	8.87	8.01	6003239	3608845	9.396	9.909
10)		Heptachlor Epoxi	9.55	8.69	5750869	3439901	9.197	9.927
11)		gamma-Chlordane	9.99	9.04	5942893	3575335	9.736	10.023
12)		alpha-Chlordane	10.05	9.19	5903728	3521536	9.615	9.728
13)		Endosulfan I	10.08	9.24	5389476	3248324	9.909	9.850
14)		4,4'-DDE	10.32	9.55	10847548	7053400	20.621	20.413
15)	M	Dieldrin	10.41	9.65	10507266	6765003	20.927	20.519
16)	M	Endrin	10.68	10.05	7334556	5364756	20.773	20.704
17)		4,4'-DDD	10.95	10.32	7159130	5263946	20.433	20.650
18)		Endosulfan II	11.02	10.41	8008442	6265026	20.246	19.840
19)	M	4,4'-DDT	11.29	10.64	4900598	4177970	21.745	20.940
20)		Endrin Aldehyde	11.15	10.70	6679515	4836263	20.220	19.940
21)		Endosulfan Sulfa	11.47	10.94	6201452	5599194	22.760	19.690
22)		Methoxychlor	11.81	11.46	9478353	11477973	104.376	105.675
23)		Endrin Ketone	11.90	11.57	6233513	6820257	19.776	20.800

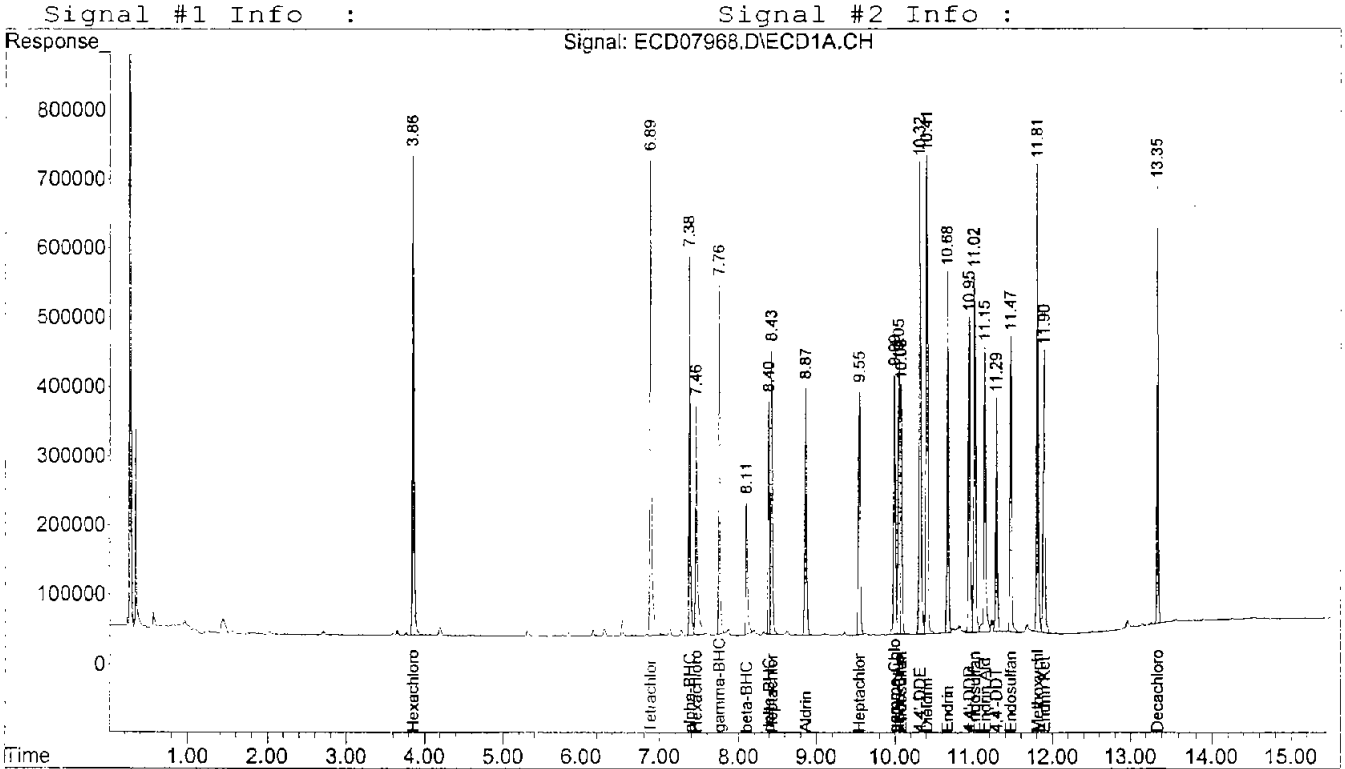
001819

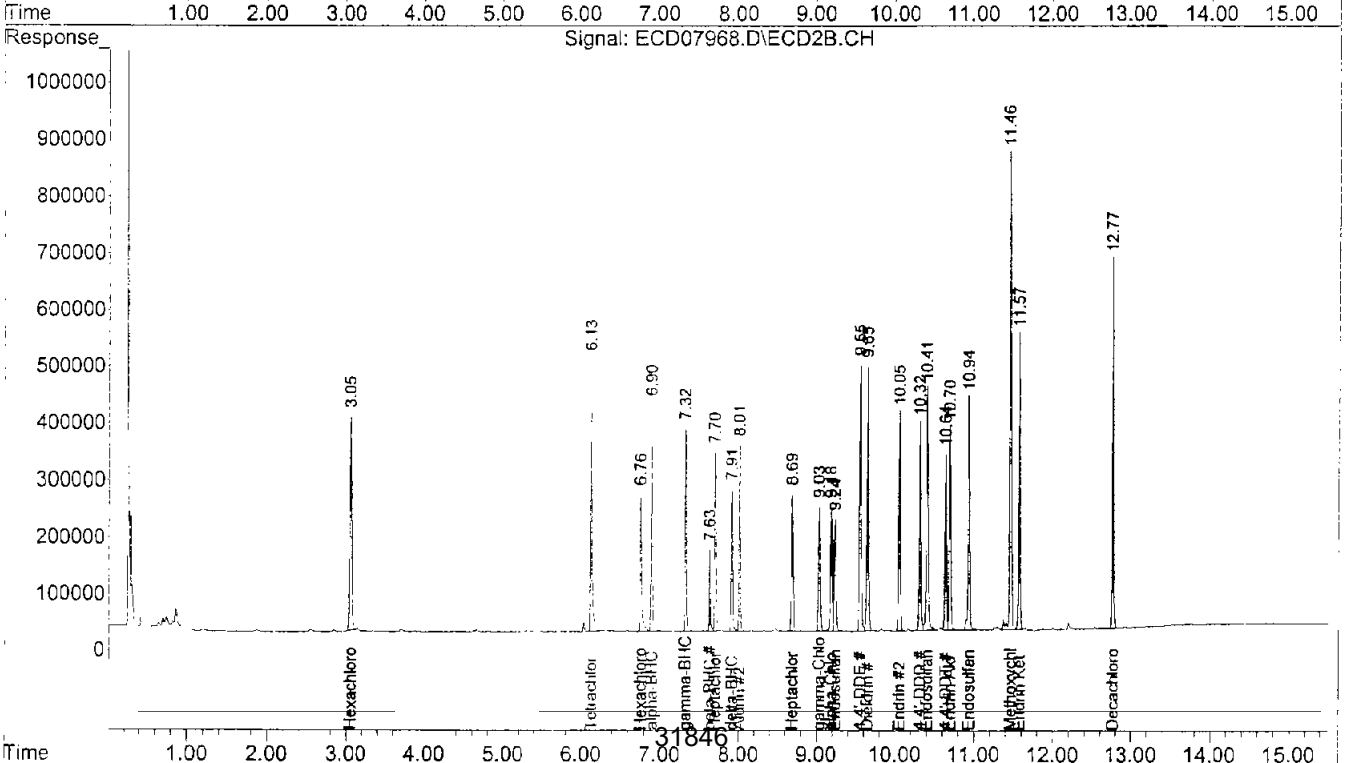
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07968.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\111904\ECD07968.D\ECD2B.CH
Acq On : 11-19-2004 03:53:06 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: Nov 19 16:15 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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\111904\ECD07968.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\111904\ECD07968.D\ECD2B.CH
Acq On : 11-19-2004 03:53:06 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\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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	9.392	6.1	93	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	19.432	2.8	92	0.00
3		alpha-BHC	10.000	9.931	0.7	92	0.00
4	T	Hexachlorobenzene	10.000	9.158	8.4	93	0.00
5	M	gamma-BHC (Lindane)	10.000	9.811	1.9	92	0.00
6		beta-BHC	10.000	9.132	8.7	93	0.00
7		delta-BHC	10.000	9.575	4.3	84	0.00
8	M	Heptachlor	10.000	9.756	2.4	93	0.00
9	M	Aldrin	10.000	9.396	6.0	93	0.00
10		Heptachlor Epoxide	10.000	9.197	8.0	93	0.00
11		gamma-Chlordane	10.000	9.736	2.6	99	0.00
12		alpha-Chlordane	10.000	9.615	3.8	95	0.00
13		Endosulfan I	10.000	9.909	0.9	100	0.00
14		4,4'-DDE	20.000	20.621	-3.1	102	0.00
15	M	Dieldrin	20.000	20.927	-4.6	101	0.00
16	M	Endrin	20.000	20.773	-3.9	103	0.00
17		4,4'-DDD	20.000	20.433	-2.2	100	0.00
18		Endosulfan II	20.000	20.246	-1.2	100	0.00
19	M	4,4'-DDT	20.000	21.745	-8.7	109	0.00
20		Endrin Aldehyde	20.000	20.220	-1.1	102	0.00
21		Endosulfan Sulfate	20.000	22.760	-13.8	118	0.00
22		Methoxychlor	100.000	104.376	-4.4	99	0.00
23		Endrin Ketone	20.000	19.776	1.1	95	0.00
24	SR	Decachlorobiphenyl (S)	40.000	38.068	4.8	93	0.00
		Signal #2					
1	T	Hexachlorobutadiene	10.000	9.502	5.0	95	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	19.736	1.3	96	0.00
3		alpha-BHC	10.000	10.239	-2.4	96	0.00
4	T	Hexachlorobenzene	10.000	9.846	1.5	96	0.00
5	M	gamma-BHC (Lindane)	10.000	10.196	-2.0	97	0.00
6		beta-BHC	10.000	10.320	-3.2	97	0.00
7		delta-BHC	10.000	9.186	8.1	90	0.00
8	M	Heptachlor	10.000	10.375	-3.8	99	0.00
9	M	Aldrin	10.000	9.909	0.9	96	0.00
10		Heptachlor Epoxide	10.000	9.927	0.7	97	0.00
11		gamma-Chlordane	10.000	10.023	-0.2	97	0.00
12		alpha-Chlordane	10.000	9.728	2.7	98	0.00
13		Endosulfan I	10.000	9.850	1.5	97	0.00
14		4,4'-DDE	20.000	20.413	-2.1	98	0.00
15	M	Dieldrin	20.000	20.519	-2.6	97	0.00
16	M	Endrin	20.000	20.704	-3.5	99	0.00
17		4,4'-DDD	20.000	20.650	-3.2	95	0.00
18		Endosulfan II	20.000	19.840	0.8	97	0.00
19	M	4,4'-DDT	20.000	20.940	-4.7	96	0.00
20		Endrin Aldehyde	20.000	19.940	0.3	96	0.00
21		Endosulfan Sulfate	20.000	19.690	1.5	90	0.00
22		Methoxychlor	100.000	105.675	-5.7	102	0.00
23		Endrin Ketone	20.000	20.800	-4.0	97	0.00
24	SR	Decachlorobiphenyl (S)	40.000	38.686	3.3	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
ECD07968.D 111804.M Mon Nov 22 13:58:42 2004 Page 1

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Evaluate Continuing Calibration Report - Not Founds

Signal #1 : H:\DATA\111904\ECD07968.D\ECD1A.CH Vial: 6
Signal #2 : H:\DATA\111904\ECD07968.D\ECD2B.CH
Acq On : 11-19-2004 03:53:06 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\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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\111904\ECD07983.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\111904\ECD07983.D\ECD2B.CH
Acq On : 11-19-2004 09:09:47 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: Nov 22 13:29:28 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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	6.89	6.13	19590991	11670498	38.466	38.465
		Spiked Amount 20.000	Range 60 - 150			Recovery =	192.33%#	192.33%#
24)	SR	Decachlorobiphen	13.35	12.77	13350544	13260818	66.572	67.113
		Spiked Amount 20.000	Range 60 - 150			Recovery =	332.86%#	335.57%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.86	3.05	19885752	11926603	18.477	18.229
3)		alpha-BHC	7.38	6.90	14055440	8479887	20.620	20.579
4)	T	Hexachlorobenzen	7.47	6.76	10453359	5903959	17.580	18.433
5)	M	gamma-BHC (Linda	7.76	7.33	12431603	7465635	20.293	20.378
6)		beta-BHC	8.11	7.63	5402889	2981554	18.348	19.300
7)		delta-BHC	8.40	7.91	9909636	6160573	20.724	19.737
8)	M	Heptachlor	8.43	7.70	13078715	7043521	20.511	21.109
9)	M	Aldrin	8.87	8.01	11982476	6988183	18.755	19.187
10)		Heptachlor Epoxi	9.55	8.69	11334145	6599100	18.125	19.043
11)		gamma-Chlordane	9.99	9.04	11690283	6908747	19.152	19.367
12)		alpha-Chlordane	10.05	9.19	11581442	6781082	18.862	18.733
13)		Endosulfan I	10.07	9.24	10438224	6153986	19.192	18.661
14)		4,4'-DDE	10.32	9.55	21258700	13587652	40.412	39.324
15)	M	Dieldrin	10.41	9.65	20196367	13039965	40.225	39.552
16)	M	Endrin	10.68	10.05	14947529	10611386	42.335	40.952
17)		4,4'-DDD	10.95	10.32	14328111	10433392	40.894	40.928
18)		Endosulfan II	11.01	10.41	15187777	11609068	38.397	36.763
19)	M	4,4'-DDT	11.29	10.64	10759759	9013211	47.744	45.173
20)		Endrin Aldehyde	11.15	10.70	11649699	8594559	35.266	35.436
21)		Endosulfan Sulfa	11.47	10.94	11890395	10563841	43.639	37.148
22)		Methoxychlor	11.81	11.46	19928063	22253234	219.449	204.881
23)		Endrin Ketone	11.90	11.57	11796672	12529696	37.425	38.212

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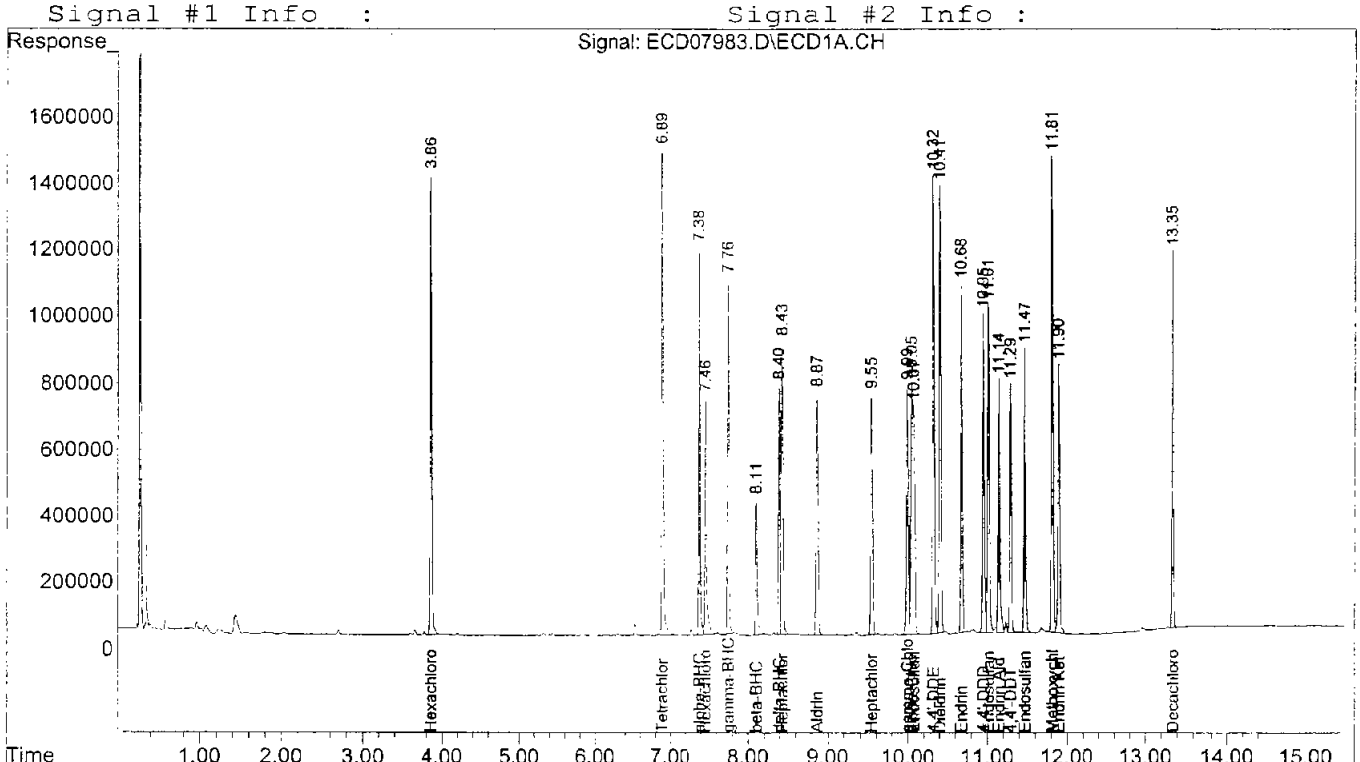
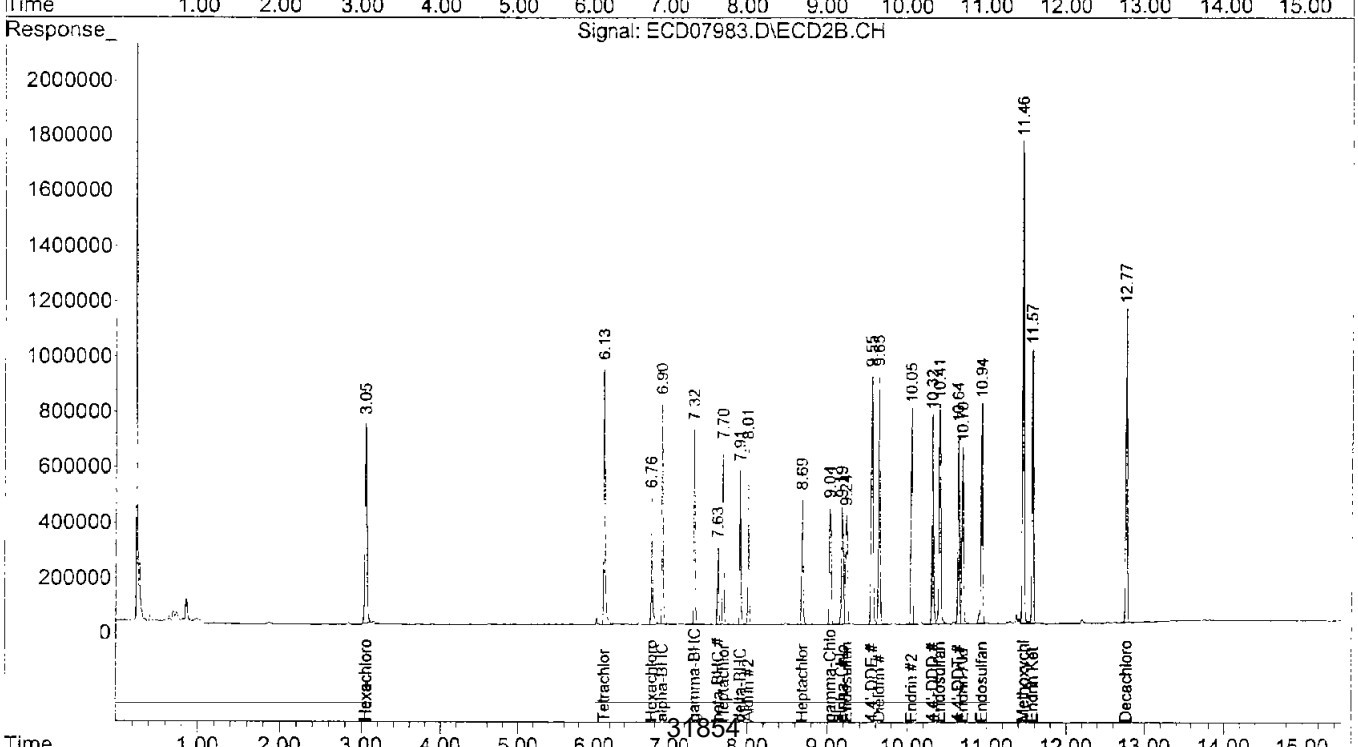
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07983.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\111904\ECD07983.D\ECD2B.CH
Acq On : 11-19-2004 09:09:47 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: Nov 22 13:29 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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\111904\ECD07983.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\111904\ECD07983.D\ECD2B.CH
Acq On : 11-19-2004 09:09:47 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\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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	18.477	7.6	94	0.00
2	SR	Tetrachloro-m-xylene (S)	40.000	38.466	3.8	98	0.00
3		alpha-BHC	20.000	20.620	-3.1	102	0.00
4	T	Hexachlorobenzene	20.000	17.580	12.1	98	0.00
5	M	gamma-BHC (Lindane)	20.000	20.293	-1.5	106	0.00
6		beta-BHC	20.000	18.348	8.3	108	0.00
7		delta-BHC	20.000	20.724	-3.6	110	0.00
8	M	Heptachlor	20.000	20.511	-2.6	102	0.00
9	M	Aldrin	20.000	18.755	6.2	101	0.00
10		Heptachlor Epoxide	20.000	18.125	9.4	105	0.00
11		gamma-Chlordane	20.000	19.152	4.2	109	0.00
12		alpha-Chlordane	20.000	18.862	5.7	109	0.00
13		Endosulfan I	20.000	19.192	4.0	107	0.00
14		4,4'-DDE	40.000	40.412	-1.0	113	0.00
15	M	Dieldrin	40.000	40.225	-0.6	112	0.00
16	M	Endrin	40.000	42.335	-5.8	119	0.00
17		4,4'-DDD	40.000	40.894	-2.2	120	0.00
18		Endosulfan II	40.000	38.397	4.0	115	0.00
19	M	4,4'-DDT	40.000	47.744	-19.4#	126	0.00
20		Endrin Aldehyde	40.000	35.266	11.8	109	0.00
21		Endosulfan Sulfate	40.000	43.639	-9.1	131	0.00
22		Methoxychlor	200.000	219.449	-9.7	130	0.00
23		Endrin Ketone	40.000	37.425	6.4	117	0.00
24	SR	Decachlorobiphenyl (S)	80.000	66.572	16.8#	103	0.00
		Signal #2					
1	T	Hexachlorobutadiene	20.000	18.229	8.9	95	0.00
2	SR	Tetrachloro-m-xylene (S)	40.000	38.465	3.8	98	0.00
3		alpha-BHC	20.000	20.579	-2.9	102	0.00
4	T	Hexachlorobenzene	20.000	18.433	7.8	98	0.00
5	M	gamma-BHC (Lindane)	20.000	20.378	-1.9	106	0.00
6		beta-BHC	20.000	19.300	3.5	109	0.00
7		delta-BHC	20.000	19.737	1.3	108	0.00
8	M	Heptachlor	20.000	21.109	-5.5	105	0.00
9	M	Aldrin	20.000	19.187	4.1	101	0.00
10		Heptachlor Epoxide	20.000	19.043	4.8	105	0.00
11		gamma-Chlordane	20.000	19.367	3.2	107	0.00
12		alpha-Chlordane	20.000	18.733	6.3	105	0.00
13		Endosulfan I	20.000	18.661	6.7	103	0.00
14		4,4'-DDE	40.000	39.324	1.7	108	0.00
15	M	Dieldrin	40.000	39.552	1.1	107	0.00
16	M	Endrin	40.000	40.952	-2.4	113	0.00
17		4,4'-DDD	40.000	40.928	-2.3	115	0.00
18		Endosulfan II	40.000	36.763	8.1	112	0.00
19	M	4,4'-DDT	40.000	45.173	-12.9	121	0.00
20		Endrin Aldehyde	40.000	35.436	11.4	107	0.00
21		Endosulfan Sulfate	40.000	37.148	7.1	108	0.00
22		Methoxychlor	200.000	204.881	-2.4	118	0.00
23		Endrin Ketone	40.000	38.212	4.5	112	0.00
24	SR	Decachlorobiphenyl (S)	80.000	67.113	16.1#	105	0.00

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : H:\DATA\111904\ECD07983.D\ECD1A.CH Vial: 7
Signal #2 : H:\DATA\111904\ECD07983.D\ECD2B.CH
Acq On : 11-19-2004 09:09:47 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\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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\111904\ECD07993.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\111904\ECD07993.D\ECD2B.CH
Acq On : 20 Nov 2004 12:39 am 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: Nov 22 13:29:50 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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 :

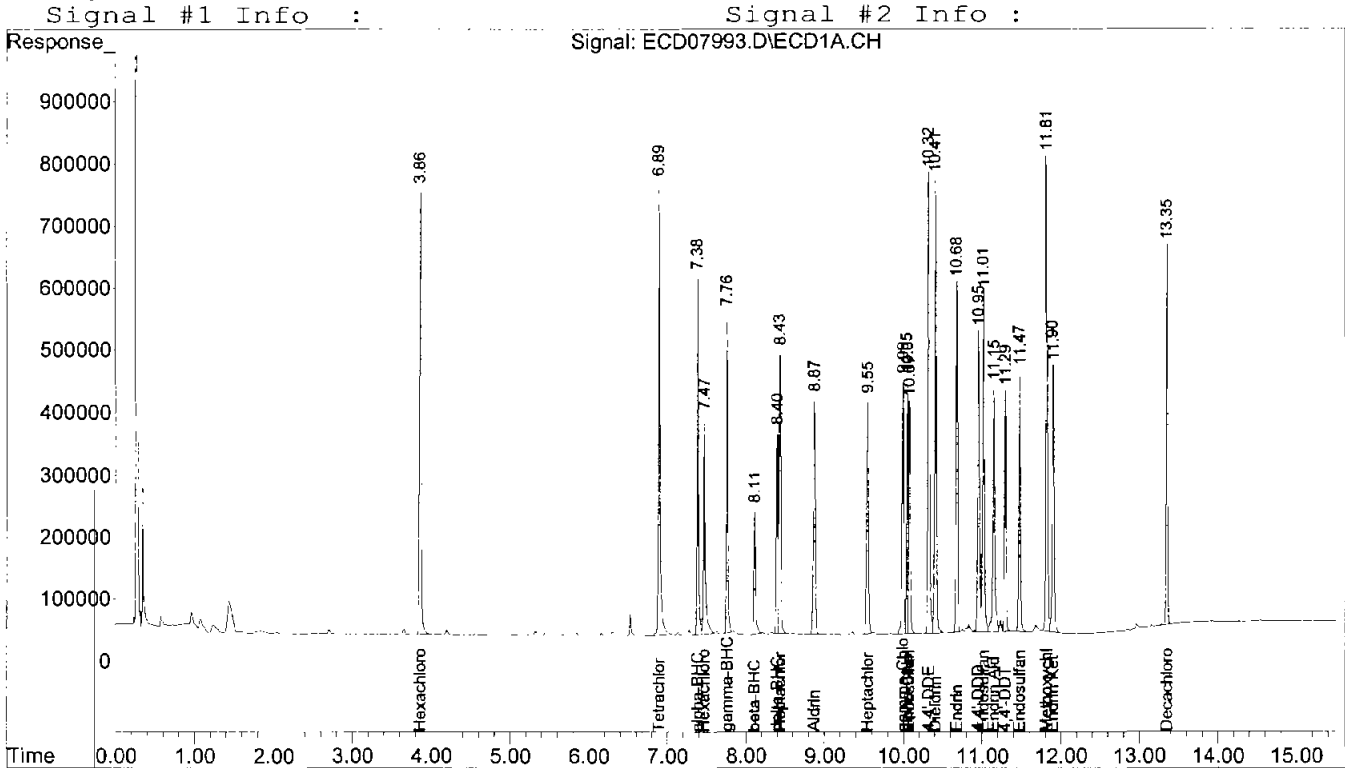
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.89	6.13	10442907	6000828	20.504	19.778
		Spiked Amount 20.000	Range 60 - 150		Recovery =		102.52%	98.89%
24)	SR	Decachlorobiphen	13.35	12.77	7379696	7130114	36.798	36.086
		Spiked Amount 20.000	Range 60 - 150		Recovery =		183.99%#	180.43%#
		Target Compounds						
1)	T	Hexachlorobutadi	3.86	3.05	10640363	6514298	9.887	9.956
3)		alpha-BHC	7.38	6.90	7086485	4233780	10.396	10.275
4)	T	Hexachlorobenzen	7.47	6.76	5680280	3124179	9.553	9.754
5)	M	gamma-BHC (Linda	7.76	7.32	6334355	3766879	10.340	10.282
6)		beta-BHC	8.11	7.63	2947172	1565635	10.008	10.135
7)		delta-BHC	8.40	7.91	4404478	2835789	9.211	9.085
8)	M	Heptachlor	8.43	7.70	6866069	3602386	10.768	10.796
9)	M	Aldrin	8.87	8.01	6290548	3618860	9.846	9.936
10)		Heptachlor Epoxi	9.55	8.69	6122715	3458214	9.791	9.979
11)		gamma-Chlordane	9.99	9.04	6342694	3581878	10.391	10.041
12)		alpha-Chlordane	10.05	9.19	6309773	3640120	10.276	10.056
13)		Endosulfan I	10.08	9.24	5571325	3298861	10.244	10.003
14)		4,4'-DDE	10.32	9.55	11602749	7046236	22.056	20.393
15)	M	Dieldrin	10.41	9.65	11138937	6795782	22.186	20.612
16)	M	Endrin	10.68	10.05	7968138	5438616	22.568	20.989
17)		4,4'-DDD	10.95	10.32	7689615	5265225	21.947	20.655
18)		Endosulfan II	11.02	10.41	8499881	6202511	21.489	19.642
19)	M	4,4'-DDT	11.29	10.64	5558523	4393313	24.664	22.019
20)		Endrin Aldehyde	11.15	10.70	6947700	4680130	21.032	19.296
21)		Endosulfan Sulfa	11.47	10.94	6145160	5229368	22.554	18.389
22)		Methoxychlor	11.81	11.46	10725830	11728629	118.114	107.983
23)		Endrin Ketone	11.90	11.57	6664236	6811703	21.142	20.774

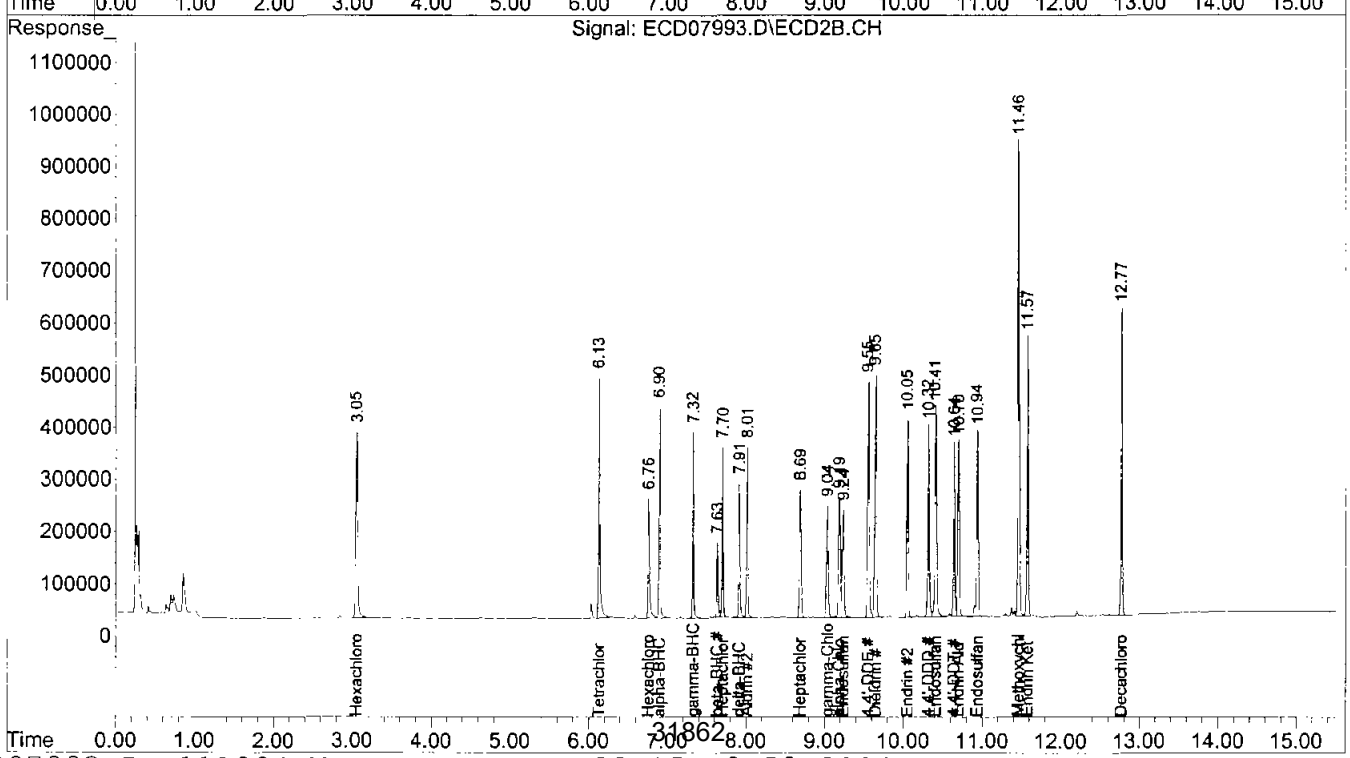
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07993.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\111904\ECD07993.D\ECD2B.CH
Acq On : 20 Nov 2004 12:39 am 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: Nov 22 13:29 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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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000828

Evaluate Continuing Calibration Report

Signal #1 : H:\DATA\111904\ECD07993.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\111904\ECD07993.D\ECD2B.CH
Acq On : 20 Nov 2004 12:39 am 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\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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	9.887	1.1	97	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	20.504	-2.5	97	0.00
3		alpha-BHC	10.000	10.396	-4.0	96	0.00
4	T	Hexachlorobenzene	10.000	9.553	4.5	97	0.00
5	M	gamma-BHC (Lindane)	10.000	10.340	-3.4	97	0.00
6		beta-BHC	10.000	10.008	-0.1	102	0.00
7		delta-BHC	10.000	9.211	7.9	81	0.00
8	M	Heptachlor	10.000	10.768	-7.7	103	0.00
9	M	Aldrin	10.000	9.846	1.5	97	0.00
10		Heptachlor Epoxide	10.000	9.791	2.1	99	0.00
11		gamma-Chlordane	10.000	10.391	-3.9	105	0.00
12		alpha-Chlordane	10.000	10.276	-2.8	102	0.00
13		Endosulfan I	10.000	10.244	-2.4	104	0.00
14		4,4'-DDE	20.000	22.056	-10.3	109	0.00
15	M	Dieldrin	20.000	22.186	-10.9	107	0.00
16	M	Endrin	20.000	22.568	-12.8	112	0.00
17		4,4'-DDD	20.000	21.947	-9.7	108	0.00
18		Endosulfan II	20.000	21.489	-7.4	107	0.00
19	M	4,4'-DDT	20.000	24.664	-23.3#	123	0.00
20		Endrin Aldehyde	20.000	21.032	-5.2	106	0.00
21		Endosulfan Sulfate	20.000	22.554	-12.8	117	0.00
22		Methoxychlor	100.000	118.114	-18.1#	112	0.00
23		Endrin Ketone	20.000	21.142	-5.7	102	0.00
24	SR	Decachlorobiphenyl (S)	40.000	36.798	8.0	90	0.00

Signal #2

1	T	Hexachlorobutadiene	10.000	9.956	0.4	100	0.00
2	SR	Tetrachloro-m-xylene (S)	20.000	19.778	1.1	96	0.00
3		alpha-BHC	10.000	10.275	-2.8	97	0.00
4	T	Hexachlorobenzene	10.000	9.754	2.5	96	0.00
5	M	gamma-BHC (Lindane)	10.000	10.282	-2.8	98	0.00
6		beta-BHC	10.000	10.135	-1.3	95	0.00
7		delta-BHC	10.000	9.085	9.1	89	0.00
8	M	Heptachlor	10.000	10.796	-8.0	103	0.00
9	M	Aldrin	10.000	9.936	0.6	96	0.00
10		Heptachlor Epoxide	10.000	9.979	0.2	97	0.00
11		gamma-Chlordane	10.000	10.041	-0.4	97	0.00
12		alpha-Chlordane	10.000	10.056	-0.6	101	0.00
13		Endosulfan I	10.000	10.003	-0.0	99	0.00
14		4,4'-DDE	20.000	20.393	-2.0	98	0.00
15	M	Dieldrin	20.000	20.612	-3.1	98	0.00
16	M	Endrin	20.000	20.989	-4.9	100	0.00
17		4,4'-DDD	20.000	20.655	-3.3	95	0.00
18		Endosulfan II	20.000	19.642	1.8	96	0.00
19	M	4,4'-DDT	20.000	22.019	-10.1	101	0.00
20		Endrin Aldehyde	20.000	19.296	3.5	93	0.00
21		Endosulfan Sulfate	20.000	18.389	8.1	84	0.00
22		Methoxychlor	100.000	107.983	-8.0	104	0.00
23		Endrin Ketone	20.000	20.774	-3.9	97	0.00
24	SR	Decachlorobiphenyl (S)	40.000	36.086	9.8	89	0.00

(#) = Out of Range SPCC's 31864 = 0 CCC's out = 0
ECD07993.D 111804.M Mon Nov 22 15:49:08 2004 Page 1

002829

Evaluate Continuing Calibration Report - Not Founds

Signal #1 : H:\DATA\111904\ECD07993.D\ECD1A.CH Vial: 9
Signal #2 : H:\DATA\111904\ECD07993.D\ECD2B.CH
Acq On : 20 Nov 2004 12:39 am 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\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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

00831

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07984.D\ECD1A.CH Vial: 21
Signal #2 : H:\DATA\111904\ECD07984.D\ECD2B.CH
Acq On : 11-19-2004 09:30:43 PM Operator: SJL/CRF
Sample : MB PE1795 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 22 13:32:01 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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 :

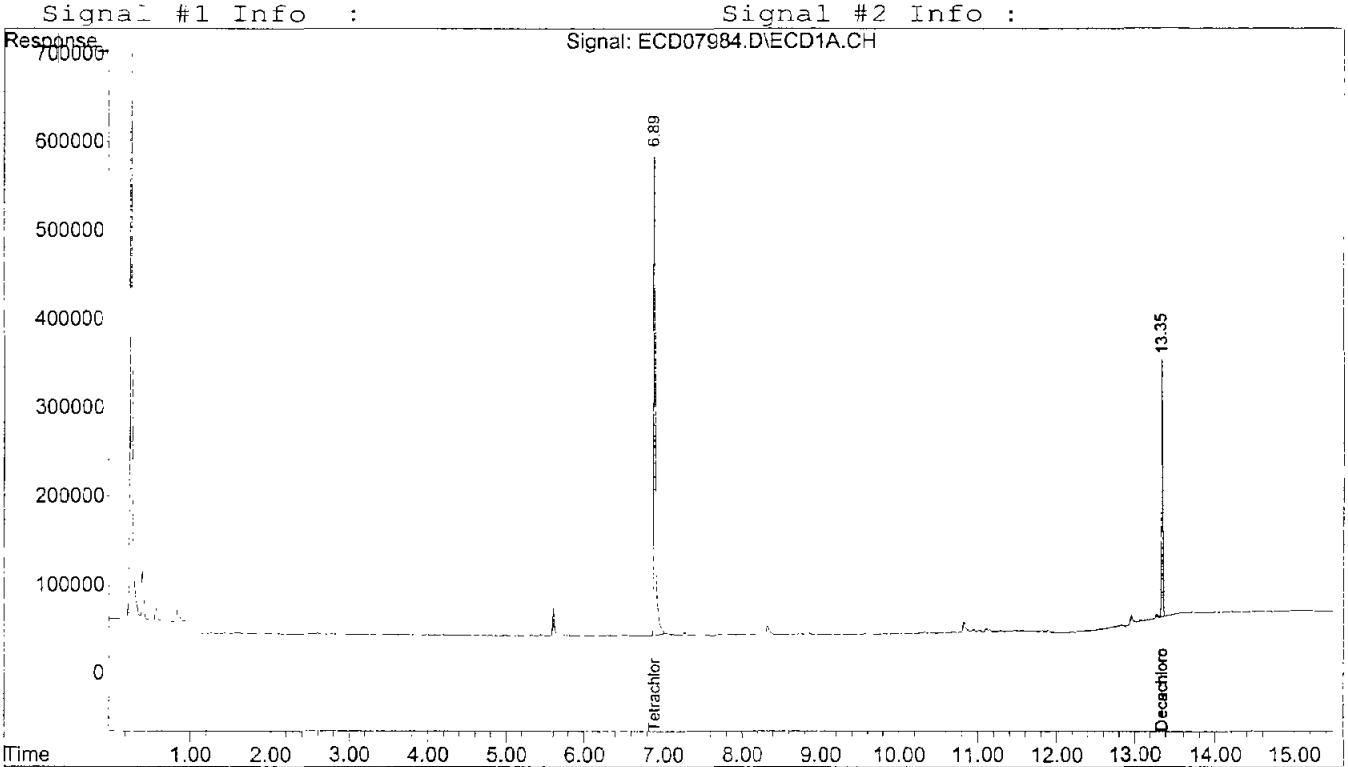
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.89	6.13	7948160	4582759	15.606	15.104
		Spiked Amount 20.000	Range 60 - 150		Recovery =		78.03%	75.52%
24)	SR	Decachlorobiphen	13.35	12.77	3467106	3513795	17.288	17.783
		Spiked Amount 20.000	Range 60 - 150		Recovery =		86.44%	88.92%
		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	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	0.00	0.00	0	0	N.D.	N.D.
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.

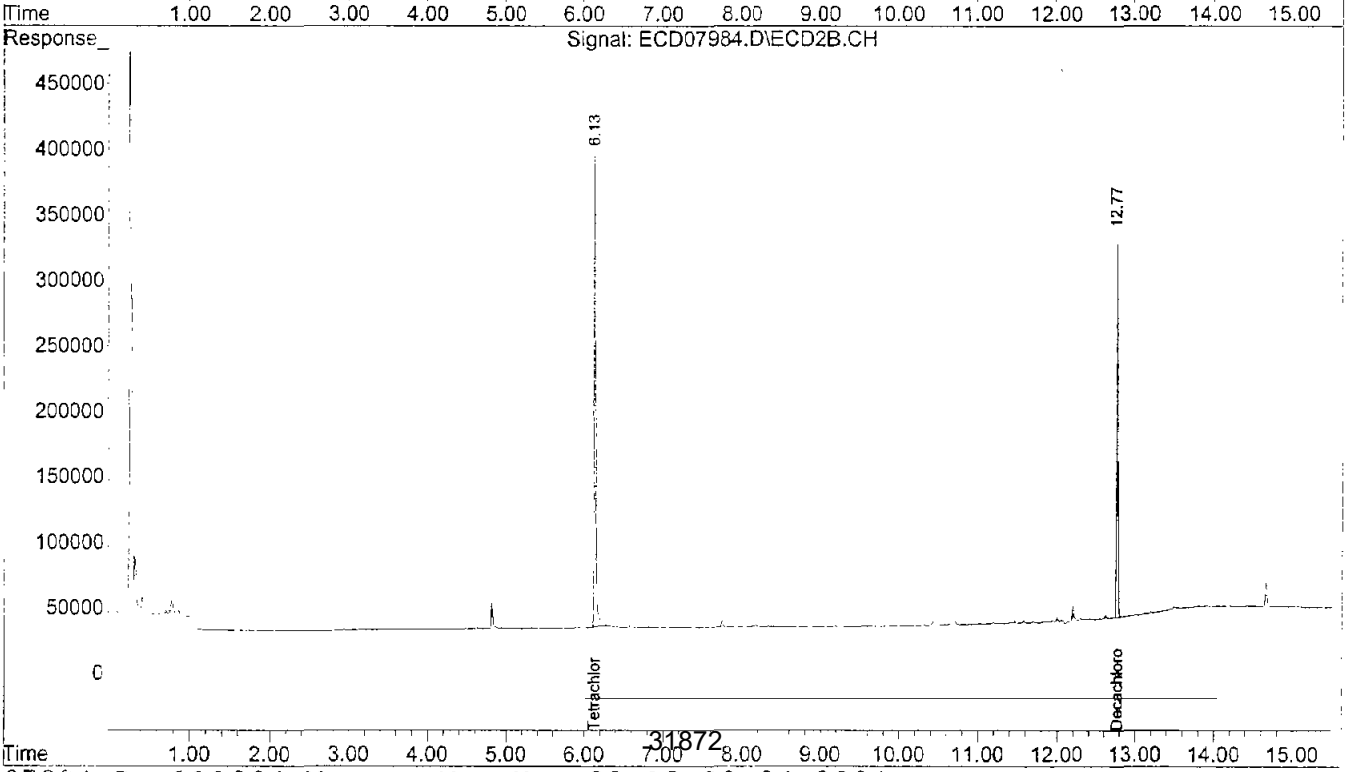
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07984.D\ECD1A.CH Vial: 21
Signal #2 : H:\DATA\111904\ECD07984.D\ECD2B.CH
Acq On : 11-19-2004 09:30:43 PM Operator: SJL/CRF
Sample : MB PE1795 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 22 13:32 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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 :





BLANK SPIKE

00834

Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07985.D\ECD1A.CH Vial: 22
Signal #2 : H:\DATA\111904\ECD07985.D\ECD2B.CH
Acq On : 11-19-2004 09:51:45 PM Operator: SJL/CRF
Sample : BS PE1795 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 22 13:32:08 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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	6.89	6.13	8215987	4645334	16.132	15.311
		Spiked Amount 20.000	Range 60 - 150		Recovery =		80.66%	76.55%
24)	SR	Decachlorobiphen	13.35	12.77	3429386	3471792	17.100	17.571
		Spiked Amount 20.000	Range 60 - 150		Recovery =		85.50%	87.86%
		Target Compounds						
1)	T	Hexachlorobutadi	3.86	3.05	15541110	9495182	14.440	14.512
3)		alpha-BHC	7.38	6.90	11668990	7043234	17.119	17.093
4)	T	Hexachlorobenzen	7.47	6.76	10347890	5695631	17.403	17.783
5)	M	gamma-BHC (Linda	7.76	7.33	10669004	6289238	17.416	17.167
6)		beta-BHC	8.11	7.63	4532666	2603631	15.392	16.854
7)		delta-BHC	8.40	7.91	8118294	5149246	16.978	16.497
8)	M	Heptachlor	8.43	7.70	10583447	5727633	16.597	17.165
9)	M	Aldrin	8.87	8.01	11007878	6400448	17.229	17.574
10)		Heptachlor Epoxi	9.55	8.69	10017433	5777378	16.019	16.672
11)		gamma-Chlordane	9.99	9.04	10198650	6035481	16.708	16.919
12)		alpha-Chlordane	10.05	9.19	10115300	5843681	16.474	16.144
13)		Endosulfan I	10.08	9.24	9151280	5520350	16.826	16.740
14)		4,4'-DDE	10.32	9.55	9434615	5774590	17.935	16.712
15)	M	Dieldrin	10.41	9.65	9845066	6148735	19.609	18.650
16)	M	Endrin	10.68	10.05	6252069	4407139	17.707	17.008
17)		4,4'-DDD	10.95	10.32	6803785	4648484	19.419	18.235
18)		Endosulfan II	11.02	10.41	7430885	5489422	18.786	17.384
19)	M	4,4'-DDT	11.29	10.64	4414096	3681645	19.586	18.452
20)		Endrin Aldehyde	11.15	10.70	5136448	3717394	15.549	15.327
21)		Endosulfan Sulfa	11.47	10.94	5526787	4488480	20.284	15.784
22)		Methoxychlor	11.81	11.46	2022292	2021249	22.270	18.609
23)		Endrin Ketone	11.90	11.57	5392689	5433210	17.108	16.570

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

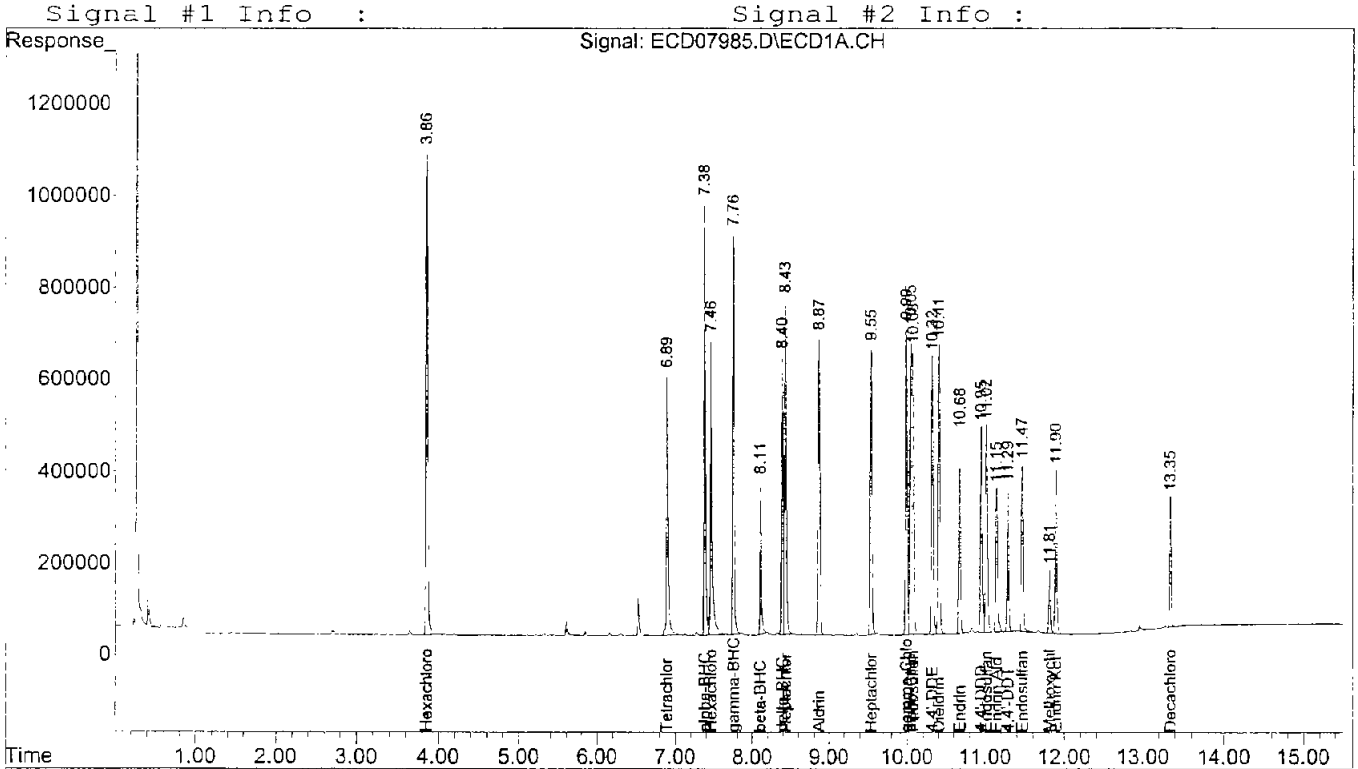
00835

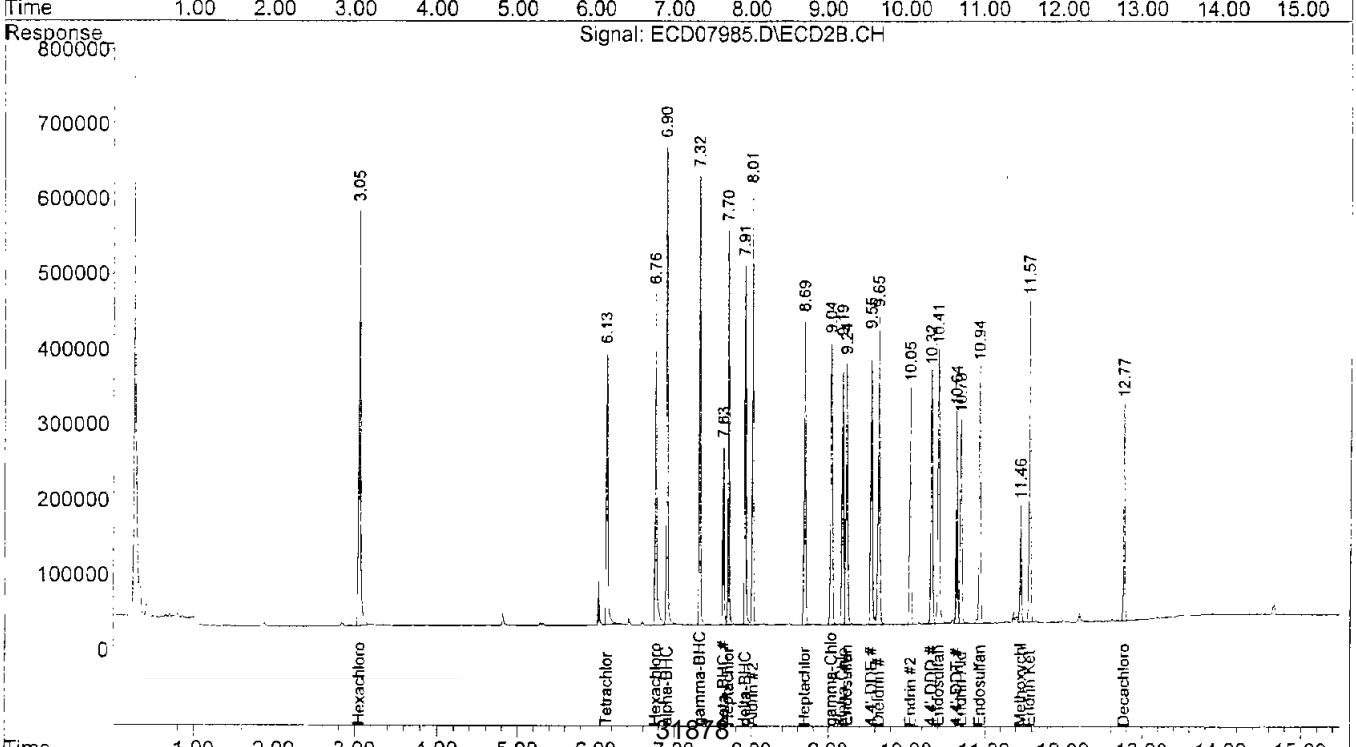
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07985.D\ECD1A.CH Vial: 22
Signal #2 : H:\DATA\111904\ECD07985.D\ECD2B.CH
Acq On : 11-19-2004 09:51:45 PM Operator: SJL/CRF
Sample : BS PE1795 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 22 13:32 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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\111904\ECD07986.D\ECD1A.CH Vial: 23
Signal #2 : H:\DATA\111904\ECD07986.D\ECD2B.CH
Acq On : 19 Nov 2004 10:12 pm Operator: SJL/CRF
Sample : BSD PE1795 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 22 13:32:16 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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 :

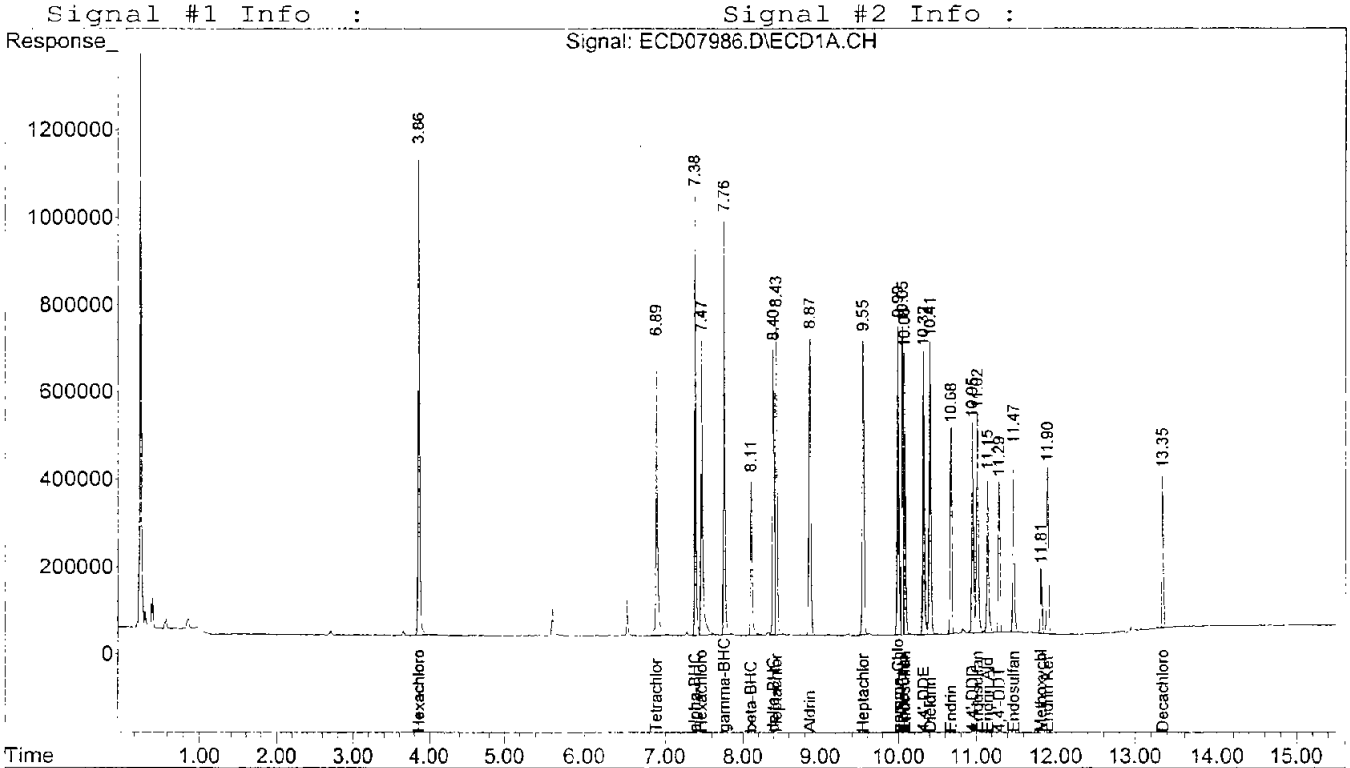
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
2)	SR	Tetrachloro-m-xy	6.89	6.13	9770548	5508841	19.184	18.157
		Spiked Amount 20.000	Range 60 - 150			Recovery =	95.92%	90.79%
24)	SR	Decachlorobiphen	13.35	12.77	4234196	4241562	21.114	21.467
		Spiked Amount 20.000	Range 60 - 150			Recovery =	105.57%	107.34%
		Target Compounds						
1)	T	Hexachlorobutadi	3.86	3.06	16124662	9849833	14.983	15.055
3)		alpha-BHC	7.38	6.90	12251307	7436523	17.974	18.047
4)	T	Hexachlorobenzen	7.47	6.76	10777343	5947595	18.125	18.570
5)	M	gamma-BHC (Linda	7.76	7.33	11354522	6650433	18.535	18.153
6)		beta-BHC	8.11	7.63	5006498	2741895	17.002	17.749
7)		delta-BHC	8.40	7.91	8794161	5611177	18.391	17.977
8)	M	Heptachlor	8.43	7.70	11230656	6058813	17.612	18.158
9)	M	Aldrin	8.87	8.01	11660625	6732750	18.251	18.486
10)		Heptachlor Epoxi	9.55	8.69	10671184	6117512	17.065	17.653
11)		gamma-Chlordane	9.99	9.04	10804917	6399819	17.702	17.941
12)		alpha-Chlordane	10.05	9.19	10643283	6229378	17.334	17.209
13)		Endosulfan I	10.08	9.24	9740021	5853524	17.908	17.750
14)		4,4'-DDE	10.32	9.55	10080685	6159152	19.163	17.825
15)	M	Dieldrin	10.41	9.65	10497642	6542948	20.908	19.845
16)	M	Endrin	10.68	10.05	6811404	4782598	19.292	18.457
17)		4,4'-DDD	10.95	10.32	7377612	4916321	21.056	19.286
18)		Endosulfan II	11.02	10.41	8041860	5830057	20.331	18.462
19)	M	4,4'-DDT	11.29	10.64	4836011	4013710	21.458	20.116
20)		Endrin Aldehyde	11.15	10.70	5574204	4089967	16.874	16.863
21)		Endosulfan Sulfa	11.47	10.94	6006298	4953576	22.044	17.419
22)		Methoxychlor	11.81	11.46	2207098	2198777	24.305	20.244
23)		Endrin Ketone	11.90	11.57	5848828	5923732	18.555	18.066

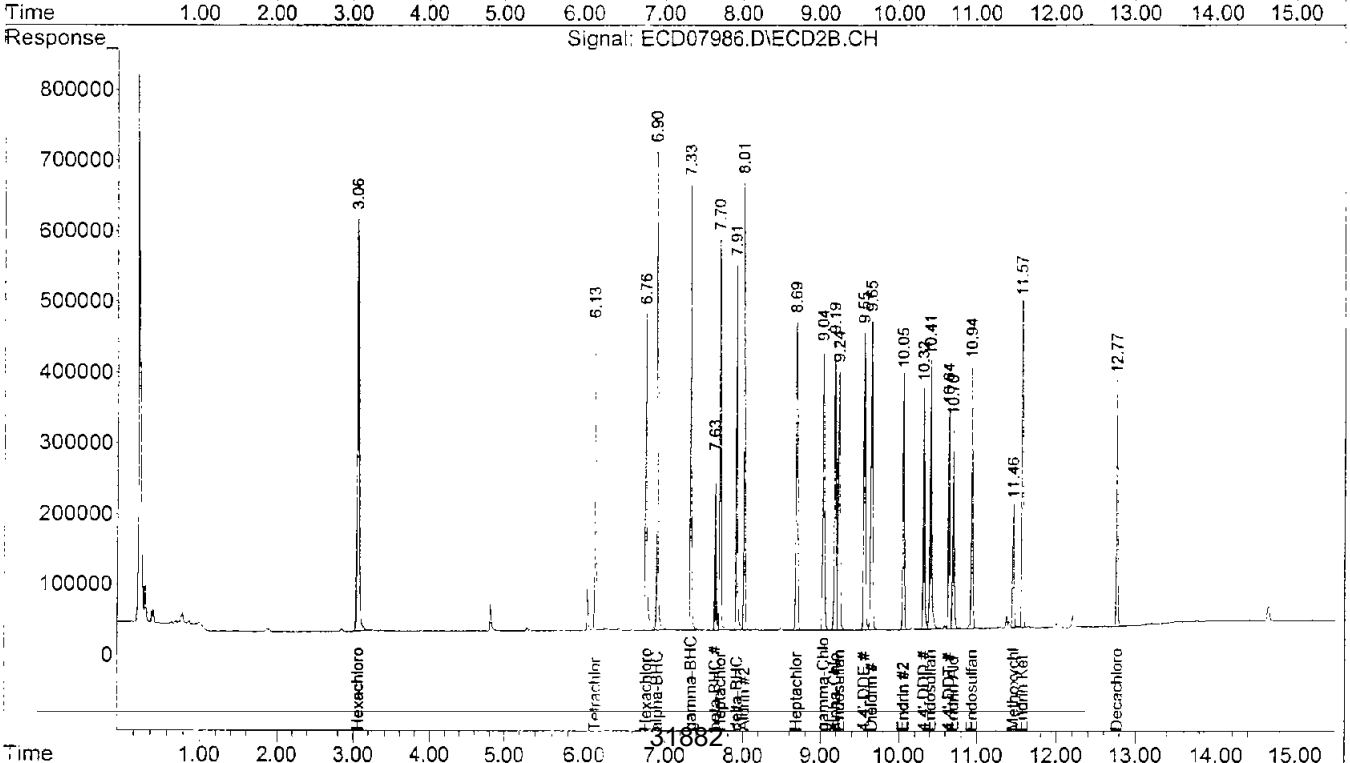
Quantitation Report (Not Reviewed)

Signal #1 : H:\DATA\111904\ECD07986.D\ECD1A.CH Vial: 23
Signal #2 : H:\DATA\111904\ECD07986.D\ECD2B.CH
Acq On : 19 Nov 2004 10:12 pm Operator: SJL/CRF
Sample : BSD PE1795 Inst : Agilent E
Misc : SOIL &10 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Nov 22 13:32 2004 Quant Results File: 111804.RES

Quant Method : H:\METHODS\111804.M (Chemstation Integrator)
Title : 8081A Pesticides - Dual Column
Last Update : Fri Nov 19 09:58:26 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 :





MATIX SPIKE / MATRIX SPIKE DUPLICATE

008259

LABORATORY WORKSHEETS

00840

Chlorinated Pesticides Worksheet - total

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:solid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Kathi	

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

See attached

~~Sample number 124945-3~~	Client Sample ID	041116SGA02SS
Sample Weight/Volume	Date Received	11/18/2004
	Date Sampled	**11/16/2004 3:15:00 PM**

Chlor. Pest. - EPA 8081

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date 11/24/04

Reviewed by _____ Date 31888 11/24/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

00841

Chlorinated Pesticide Analysis by USEPA Method 8081A

QCBatch ID	PE1795
Sample Matrix	soil
Surrogate Std. No.	1174-27-02
Surrogate Exp Date	1/14/2005
8081A MS Spike No.	1174-27-3
MS Exp Date	04/07/05
MeCl2 Lot #	
Hexane Lot #	044523
Acetone Lot #	
Extraction Method	3510 Modified

Weighed By/Date sjl 11/19/04

Extracted By/Date: sjl 11/19/04

	QC Identifier	Sample Weight (g)	Final Volume	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	PE1795	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	124852s2	10.2172	10	100	100
Matrix Spike Duplicate	124852d2	10.2623	10	100	100
Matrix Spike-2					
Matrix Spike Duplicate-2					

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	Sample Cleanup?
124852-2	U2A2	10.4091	10	100	
124945-3	041116SGA02SS	10.8173	10	100	
124969-8	TP-8-5	10.2120	10	100	

00842

STL Seattle

6a **Sample Information**

Th	Client Name	**URS Corporation**				
	Work Order Number	**124945**				
	Sample Number	**3**			Related Blank:	PE1795
	QC Batch Number	**PE1795**				
	Client Sample ID	**041116SGA02SS**				
	Date Received	**11-18-04**				
	Date Prepared	**11-19-04**				
	Date Analyzed	**11-19-04**				
	Sample matrix type	**solid**				
	QC sample type	**sample**				
	Sample weight (g)	**10.8173**	=	0.01082 /kg	Calc. Fact.	1.08835072
	Extract volume (ml)	**10**	=	10 ml	Dry Weight	9.18821462 g
	Dilution Factor		=	1	Sample Units	ug/kg
	% Solids	**84.94**	=	0.8494	Spike Factor	108.835072
	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	14.5		72.5	OK		
x	Decachlorobiphenyl	14.644		73.2	OK		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

00843

STL Seattle

6a **Sample Information**

Th	Client Name	
	Work Order Number	
	Sample Number	
	QC Batch Number	**PE1795**
	Client Sample ID	
	Date Received	
	Date Prepared	**11-19-04**
	Date Analyzed	**11-19-04**
	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	15.104		75.5	OK		
x	Decachlorobiphenyl	17.783		88.9	OK		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

00844

STL Seattle

6a **Sample Information**

Th	Client Name	
	Work Order Number	
	Sample Number	Related Blank: PE1795
	QC Batch Number	**PE1795**
	Client Sample ID	
	Date Received	
	Date Prepared	**11-19-04**
	Date Analyzed	**11-19-04**
	Sample matrix type	**solid**
	QC sample type	**bs**

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	15.3107		76.6	OK		
x	Decachlorobiphenyl	17.5708		87.9	OK		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	17.5736	C1		17.6	C1	1
x	alpha-BHC	17.0927	C1		17.1	C1	1
x	beta-BHC	16.8538	C1		16.9	C1	1
x	delta-BHC	16.497	C1		16.5	C1	1
x	gamma-BHC (Lindane)	17.1669	C1		17.2	C1	1
x	4,4'-DDD	18.2352	C1		18.2	C1	2
x	4,4'-DDE	16.7124	C1		16.7	C1	2
x	4,4'-DDT	18.452	C1		18.5	C1	2
x	Dieldrin	18.6498	C1		18.6	C1	2
x	Endosulfan I	16.7396	C1		16.7	C1	1
x	Endosulfan II	17.3836	C1		17.4	C1	2
x	Endosulfan sulfate	15.7839	C1		15.8	C1	2
x	Endrin	17.0083	C1		17	C1	2
x	Endrin aldehyde	15.327	C1		15.3	C1	2
x	Heptachlor	17.1653	C1		17.2	C1	1
x	Heptachlor epoxide	16.6719	C1		16.7	C1	1
x	Methoxychlor	18.6092	C1		18.6	C1	10
x	Endrin ketone	16.5696	C1		16.6	C1	2
x	alpha-Chlordane	16.1435	C1		16.1	C1	1
x	gamma-Chlordane	16.9192	C1		16.9	C1	1
	Hexachlorobenzene	17.7828	C1		17.8	C1	2

00845

Hexachlorobutadiene	14.5125	C1	14.5	C1	1

00846

STL Seattle

6a **Sample Information**

Th	Client Name	
	Work Order Number	
	Sample Number	Related Blank: PE1795
	QC Batch Number	**PE1795**
	Client Sample ID	
	Date Received	
	Date Prepared	**11-19-04**
	Date Analyzed	**11-19-04**
	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	18.1568		90.8	OK		
x	Decachlorobiphenyl	21.4666		107	OK		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aldrin	18.486	C1		18.5	C1	1
x	alpha-BHC	18.0472	C1		18	C1	1
x	beta-BHC	17.7488	C1		17.7	C1	1
x	delta-BHC	17.9769	C1		18	C1	1
x	gamma-BHC (Lindane)	18.1528	C1		18.2	C1	1
x	4,4'-DDD	19.2859	C1		19.3	C1	2
x	4,4'-DDE	17.8254	C1		17.8	C1	2
x	4,4'-DDT	20.1163	C1		20.1	C1	2
x	Dieldrin	19.8455	C1		19.8	C1	2
x	Endosulfan I	17.7499	C1		17.7	C1	1
x	Endosulfan II	18.4623	C1		18.5	C1	2
x	Endosulfan sulfate	17.4195	C1		17.4	C1	2
x	Endrin	18.4572	C1		18.5	C1	2
x	Endrin aldehyde	16.8631	C1		16.9	C1	2
x	Heptachlor	18.1578	C1		18.2	C1	1
x	Heptachlor epoxide	17.6534	C1		17.7	C1	1
x	Methoxychlor	20.2437	C1		20.2	C1	10
x	Endrin ketone	18.0656	C1		18.1	C1	2
x	alpha-Chlordane	17.209	C1		17.2	C1	1
x	gamma-Chlordane	17.9406	C1		17.9	C1	1
	Hexachlorobenzene	18.5695	C1		18.6	C1	2

00847

Hexachlorobutadiene	15.0545	C1	15.1	C1	1

00848

PCB DATA PACKAGE

00849

SAMPLE DATA

00850

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2623.D\ADC1A.CH Vial: 63
Signal #2 : Z:\DATA\PB113004\PCB2623.D\ADC1B.CH
Acq On : 2 Dec 2004 11:02 am Operator: STM
Sample : 124945-1 liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 02 11:30:25 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	43669387	24505944	17.932	17.772	
	Spiked Amount 20.000			Recovery	=	89.66%	88.86%	
14)	S Decachlorobiphen	14.30	15.85	26086853	13912371	13.112	13.971	
	Spiked Amount 20.000			Recovery	=	65.56%	69.86%	
	Target Compounds							
2)	L3 Aroclor 1242	5.97	6.19	75763	386982	1.216	16.494	#
3)	L3 Aroclor 1242 {2}	6.82	6.82	359292	1078029	N.D.	50.511	#
4)	L3 Aroclor 1242 {3}	7.60	8.02	9516460	20698088	220.734	847.293	#
5)	L3 Aroclor 1242 {4}	7.79	8.25	25732328	5542421	694.290	375.541	#
6)	L3 Aroclor 1242 {5}	8.26	0.00	5352172	0	67.587	N.D.	#
7)	L3 Aroclor 1242 - T	0.00	0.00	41036015	27705520	159.534m	280.079m	#
8)	L4 Aroclor 1260	9.28	0.00	88617	0	0.868	N.D.	#
9)	L4 Aroclor 1260 {2}	9.57	11.20	200124	93840	1.959	1.080	#
10)	L4 Aroclor 1260 {3}	9.84	0.00	896511	0	4.576	N.D.	#
11)	L4 Aroclor 1260 {4}	11.12	0.00	449219	0	3.741	N.D.	#
12)	L4 Aroclor 1260 {5}	11.54	0.00	428880	0	1.318	N.D.	#
13)	L4 Aroclor 1260 - T	0.00	0.00	2063351	93840	2.440m	0.225m	#

aroclor pattern

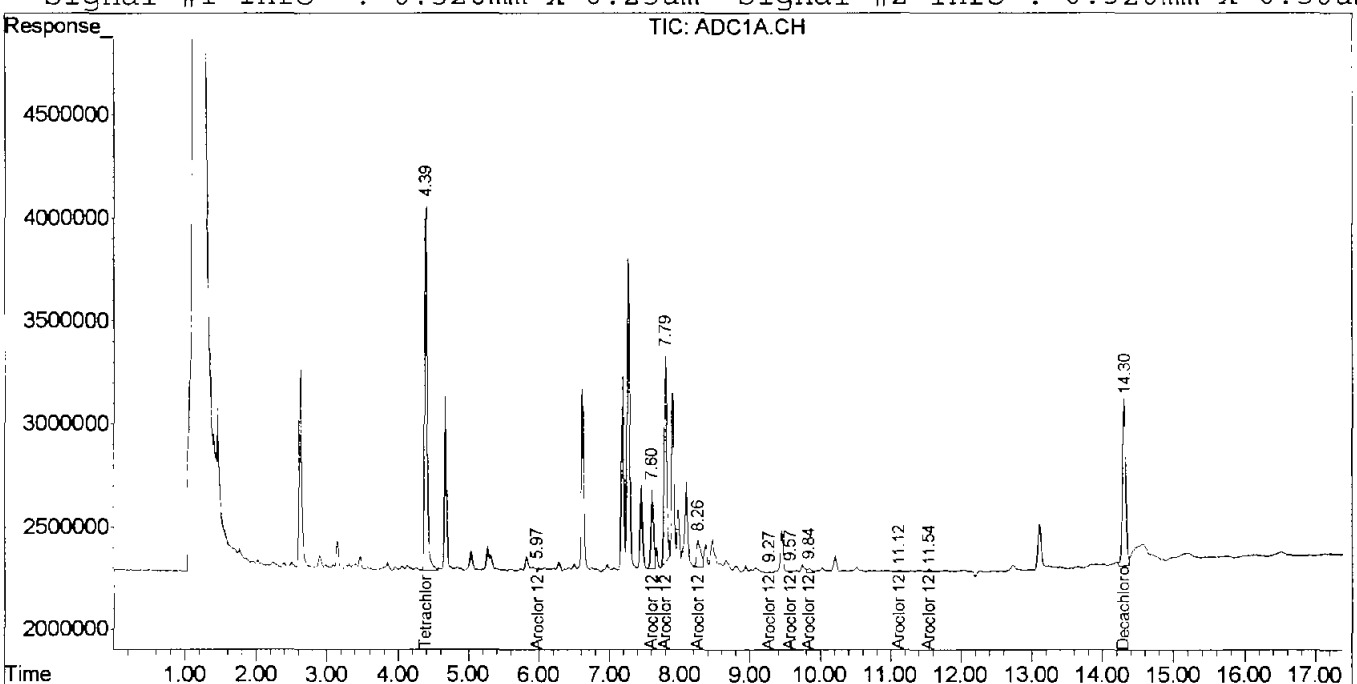
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

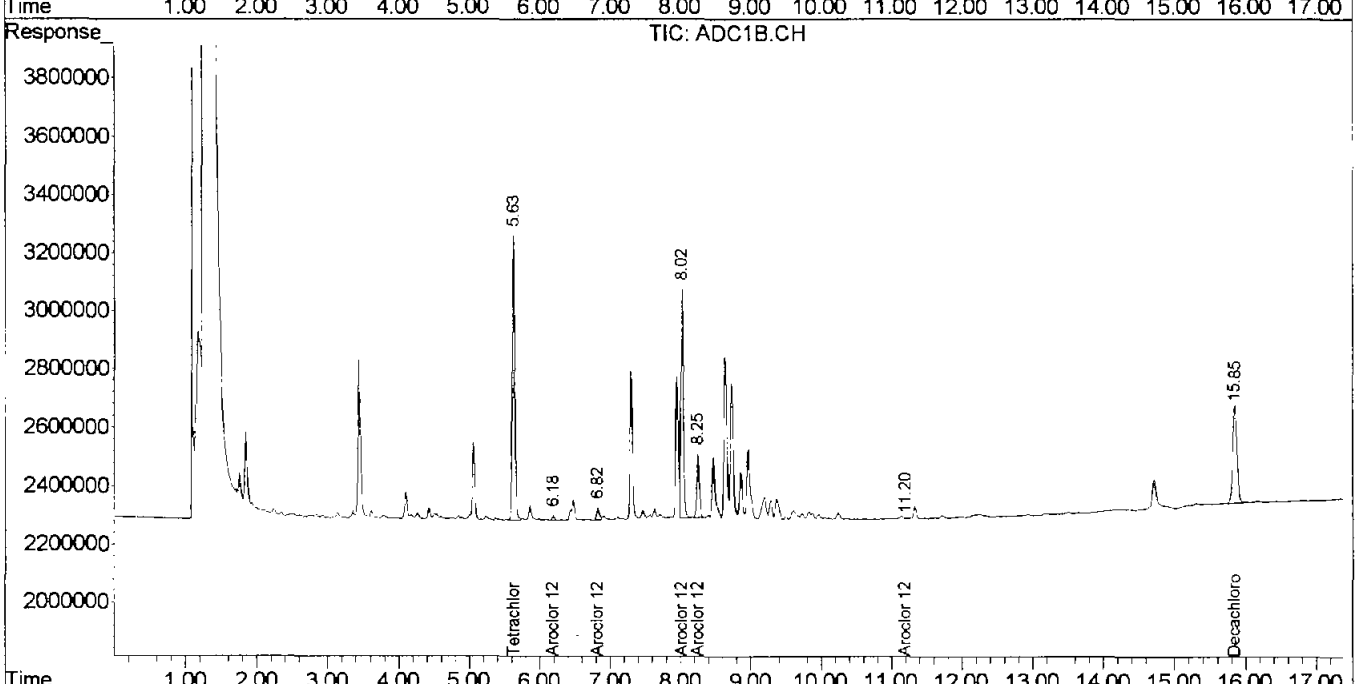
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2623.D\ADC1A.CH Vial: 63
Signal #2 : Z:\DATA\PB113004\PCB2623.D\ADC1B.CH
Acq On : 2 Dec 2004 11:02 am Operator: STM
Sample : 124945-1 liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 11:30 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\PCB2614.D\ADC1A.CH Vial: 54
Signal #2 : Z:\DATA\PB113004\PCB2614.D\ADC1B.CH
Acq On : 2 Dec 2004 8:02 am Operator: STM
Sample : 124945-3 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:54 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	46313623	26206297	19.018	19.005
Spiked Amount 20.000			Recovery =		95.09%	95.02%
14) S Decachlorobiphen	14.30	15.84	47869716	24070434	25.160	25.523
Spiked Amount 20.000			Recovery =		125.80%	127.61%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.18	303127	449569	4.864	19.161 #
3) L3 Aroclor 1242 {2}	0.00	6.82	0	43449	N.D.	2.036 #
4) L3 Aroclor 1242 {3}	7.61	0.00	172810	0	4.008	N.D. #
5) L3 Aroclor 1242 {4}	7.82	8.19	51777	69283	1.397	N.D. #
6) L3 Aroclor 1242 {5}	8.22	0.00	156185	0	N.D.	N.D.
7) L3 Aroclor 1242 - T	0.00	0.00	683899	562301	N.D. m	N.D. m
8) L4 Aroclor 1260	9.28	10.69	479360	81092	4.694	1.629 #
9) L4 Aroclor 1260 {2}	9.57	11.20	273703	86678	2.679	0.998 #
10) L4 Aroclor 1260 {3}	9.83	0.00	611946	0	3.124	N.D. #
11) L4 Aroclor 1260 {4}	11.11	0.00	115946	0	0.966	N.D. #
12) L4 Aroclor 1260 {5}	11.55	0.00	1077800	0	3.312	N.D. #
13) L4 Aroclor 1260 - T	0.00	0.00	2558754	167770	3.026m	0.401m#

no chromatogram

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

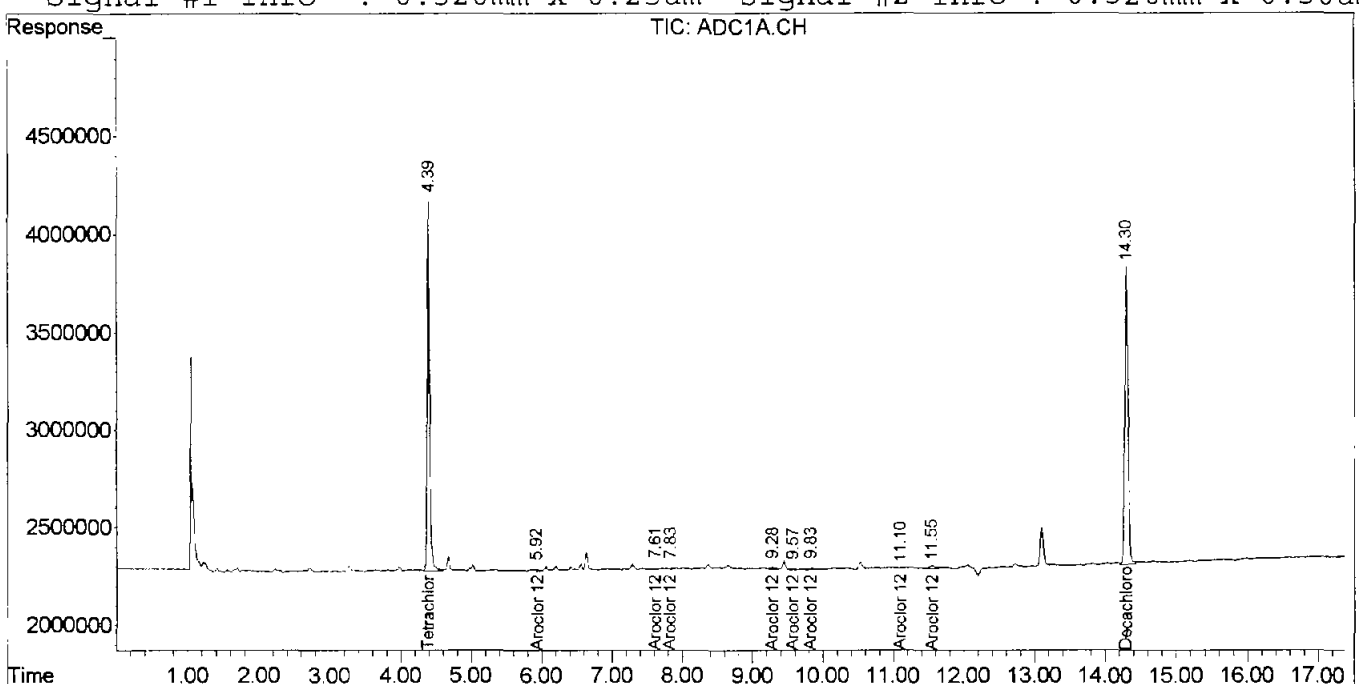
00853

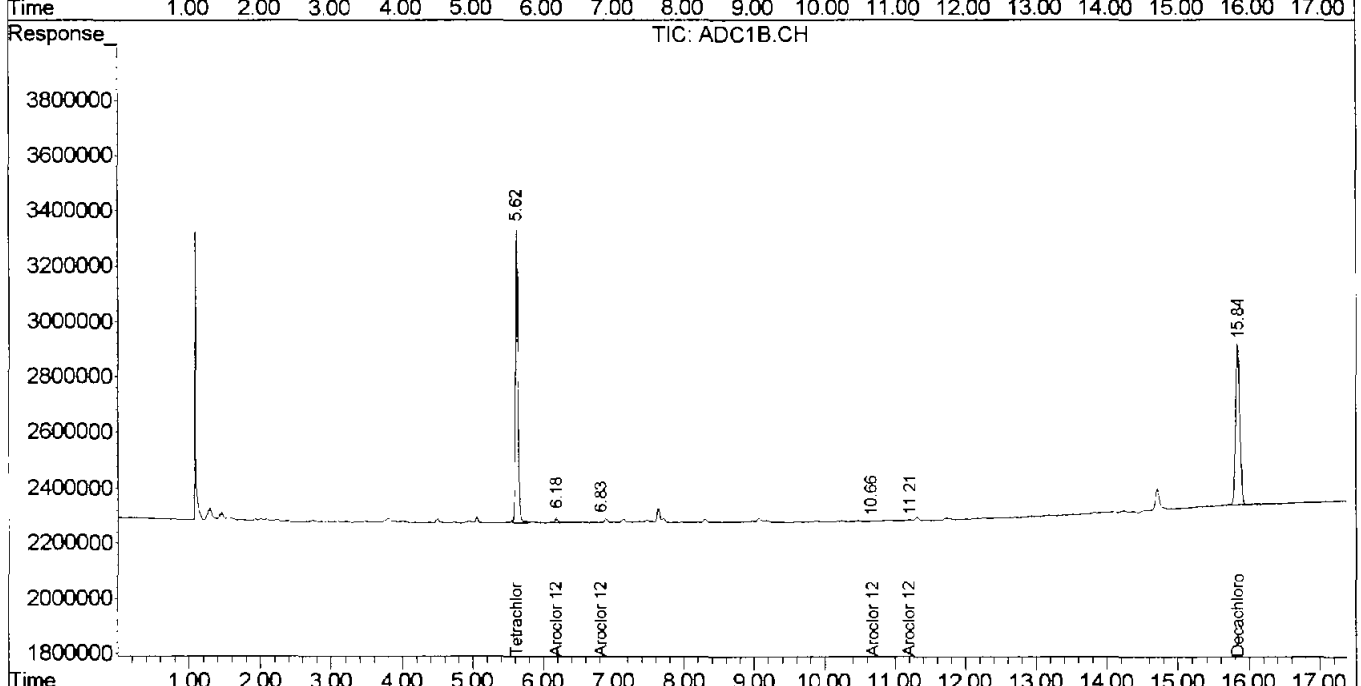
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2614.D\ADC1A.CH Vial: 54
Signal #2 : Z:\DATA\PB113004\PCB2614.D\ADC1B.CH
Acq On : 2 Dec 2004 8:02 am Operator: STM
Sample : 124945-3 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:54 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





INITIAL CALIBRATION

00855

Response Factor Report Dual Colu

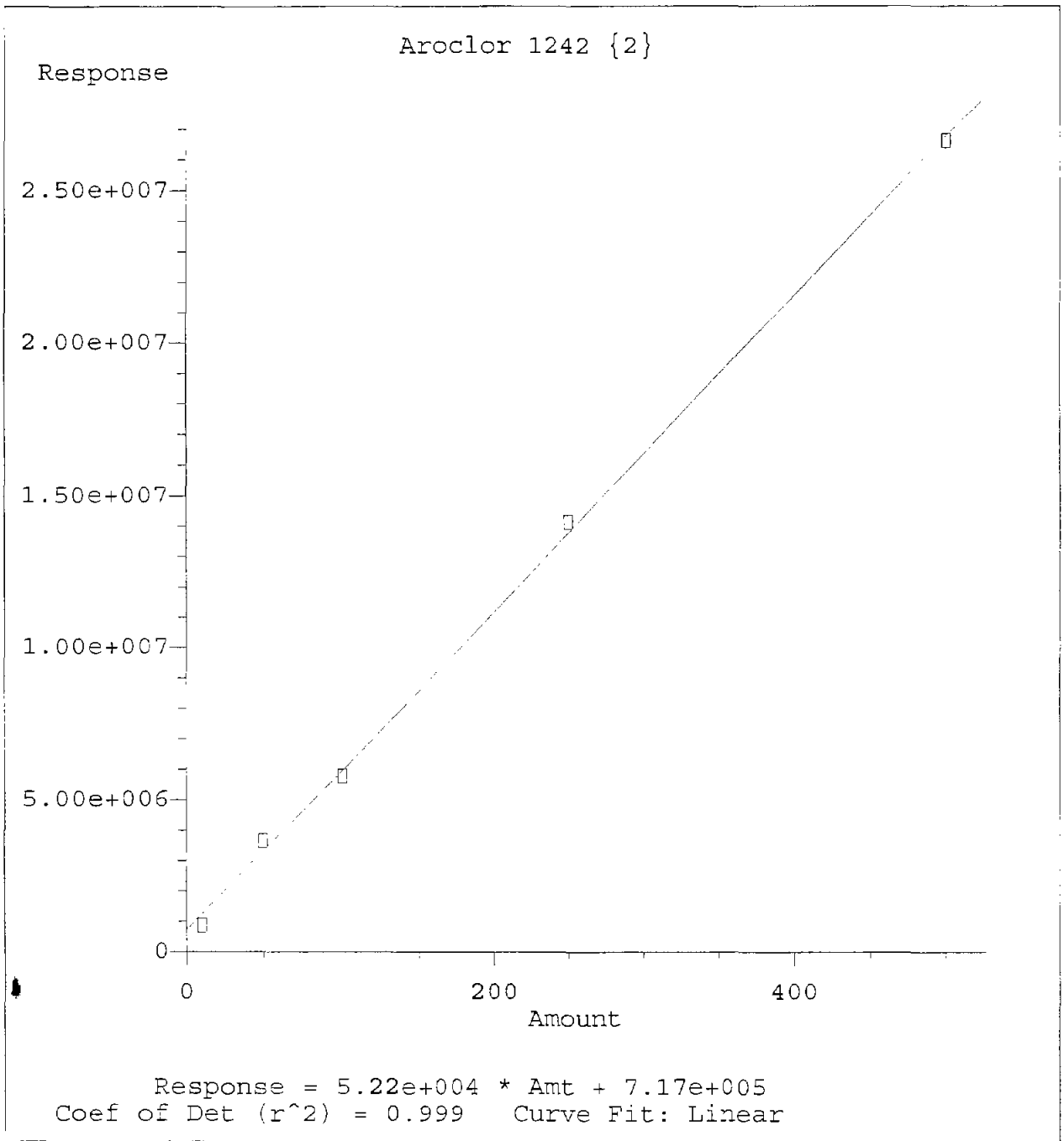
Method : Z:\METHODS\42601130.M (Chemstation Integrator)
Title : PCBs by USEPA Method 8082
Last Update : Wed Dec 01 10:34:17 2004

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

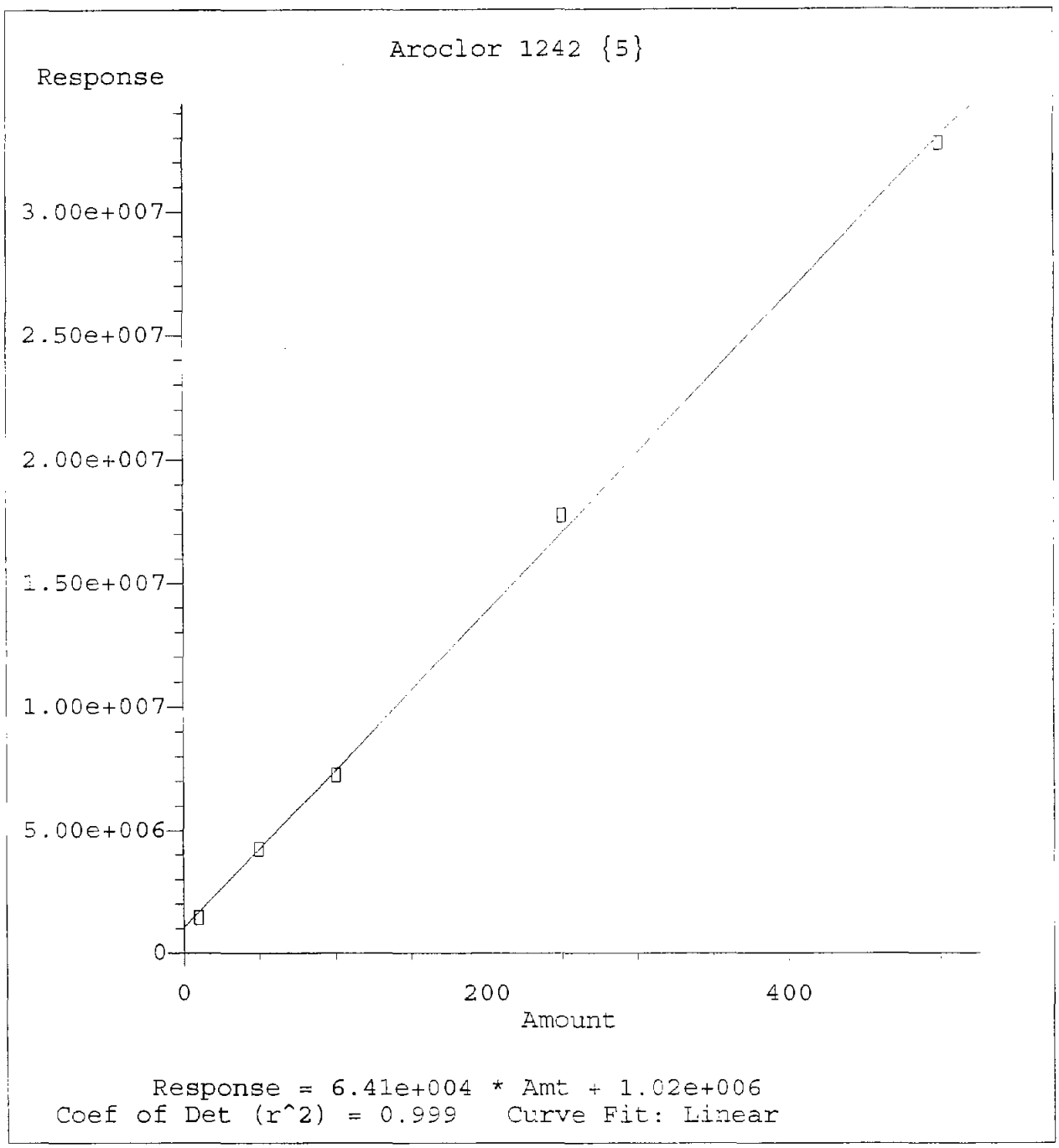
Signal #2 Calibration Files
10 =PCB2495.D 50 =PCB2496.D 100 =PCB2497.D
250 =PCB2498.D 500 =PCB2499.D

		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



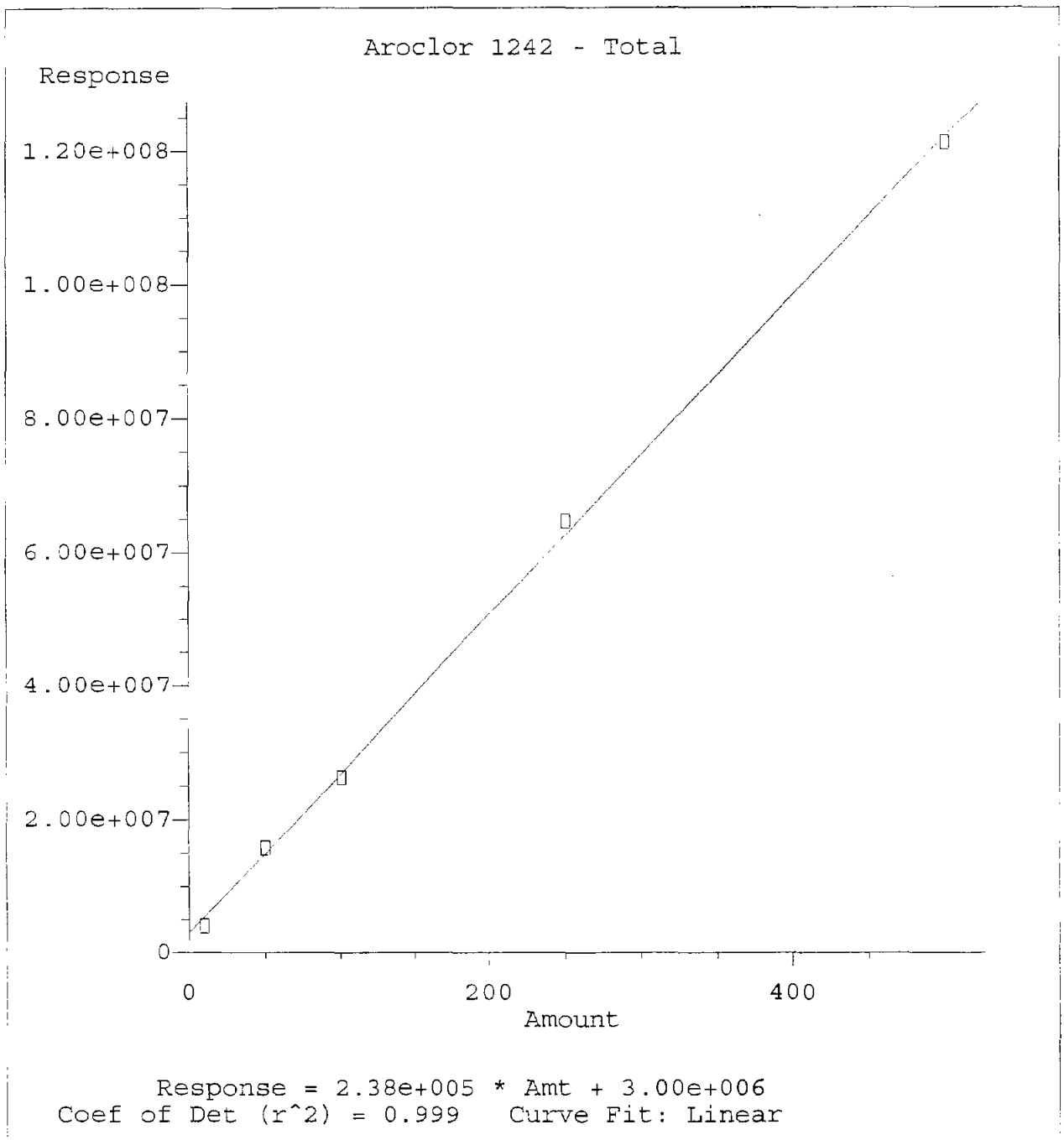
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

00857



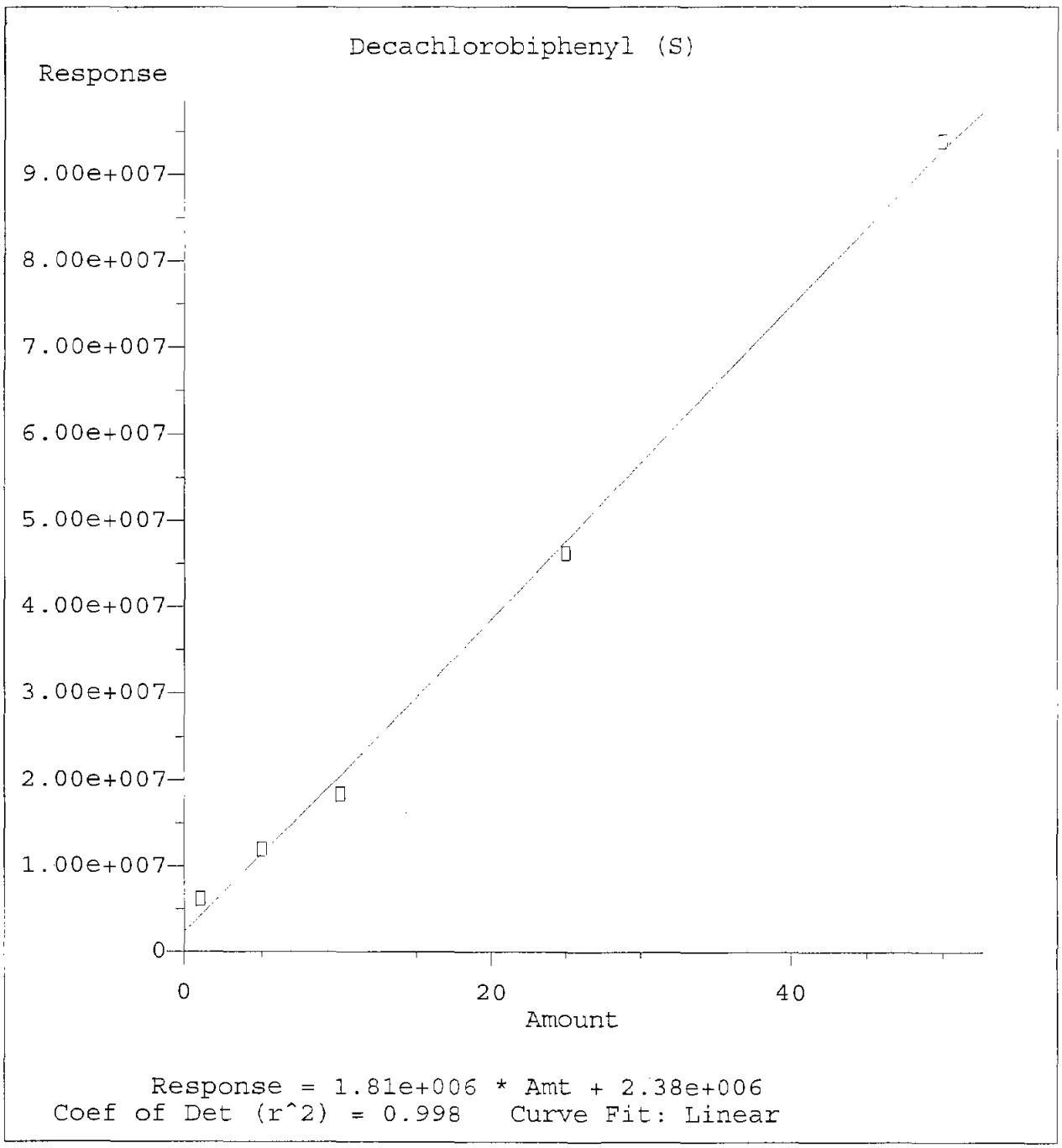
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

00858



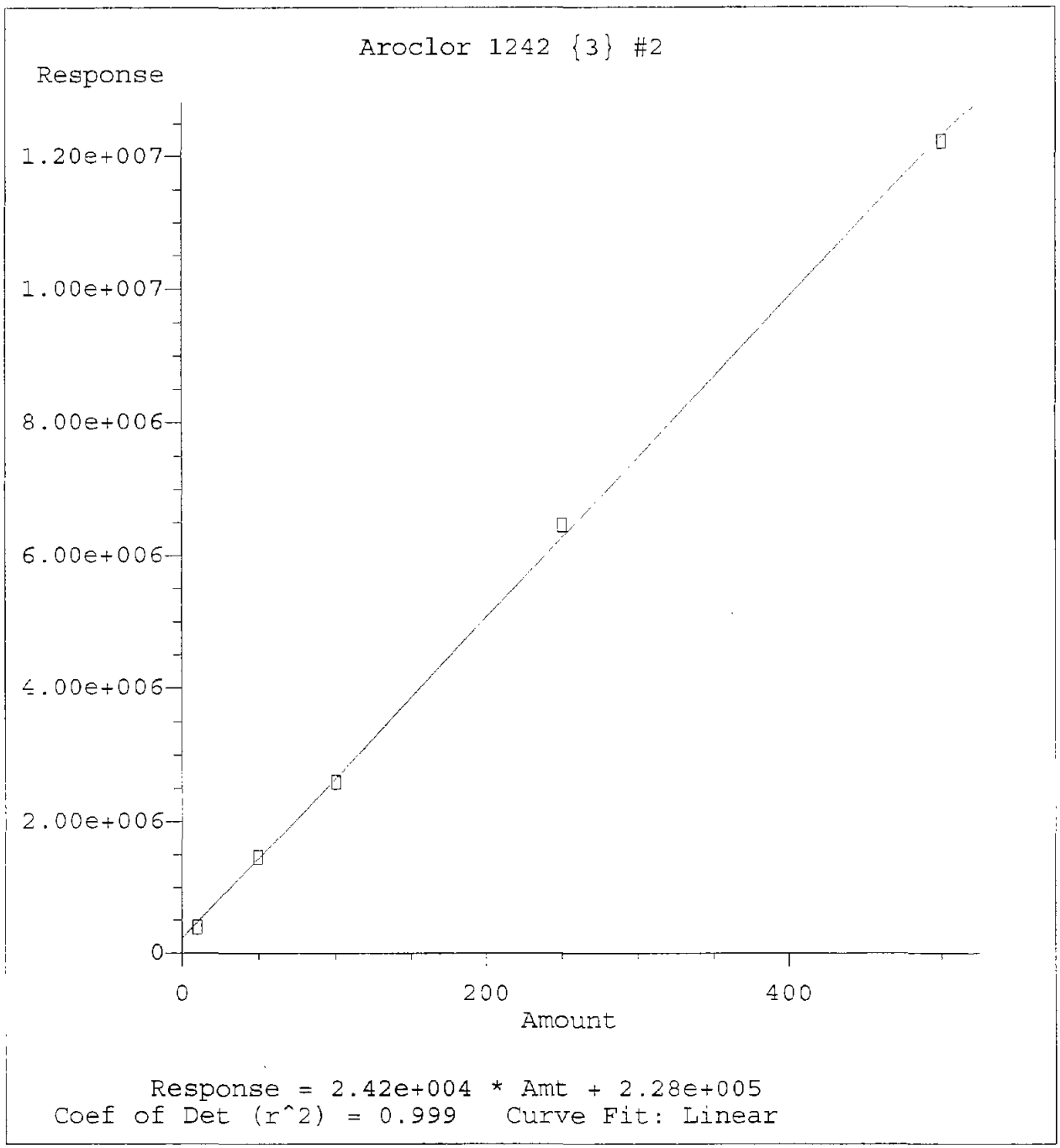
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

000859



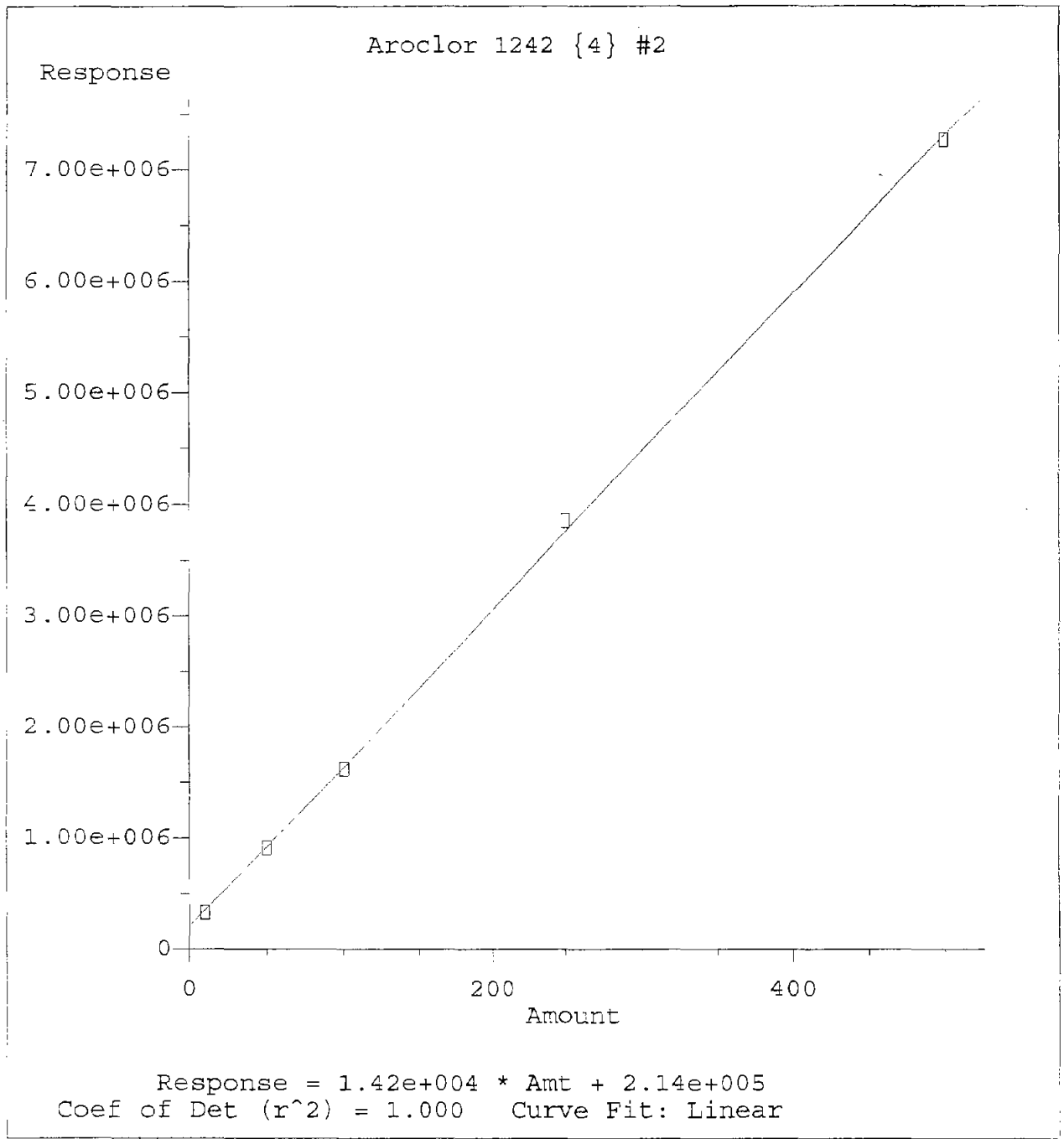
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

000690



Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

00861



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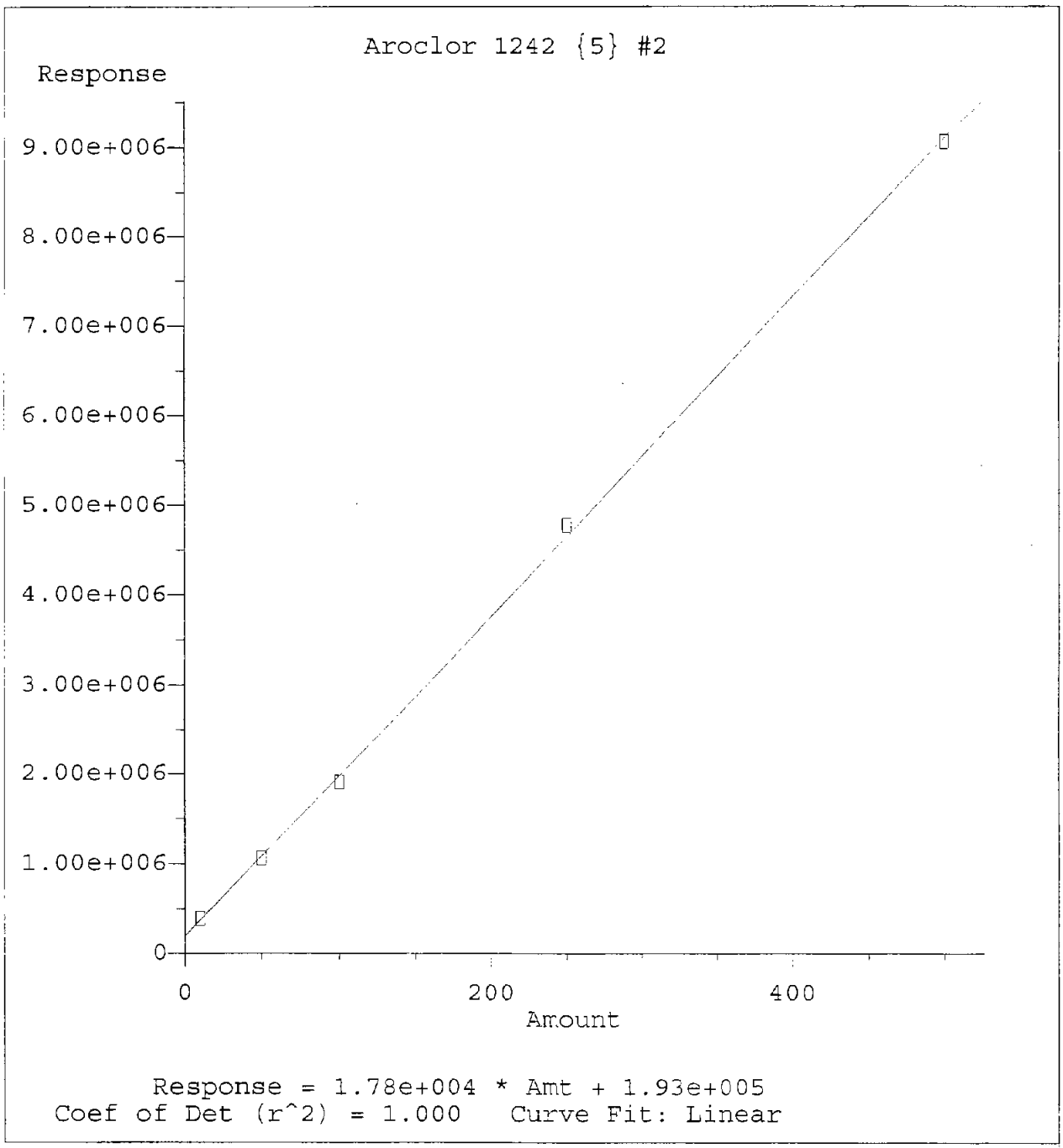
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

008692



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Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

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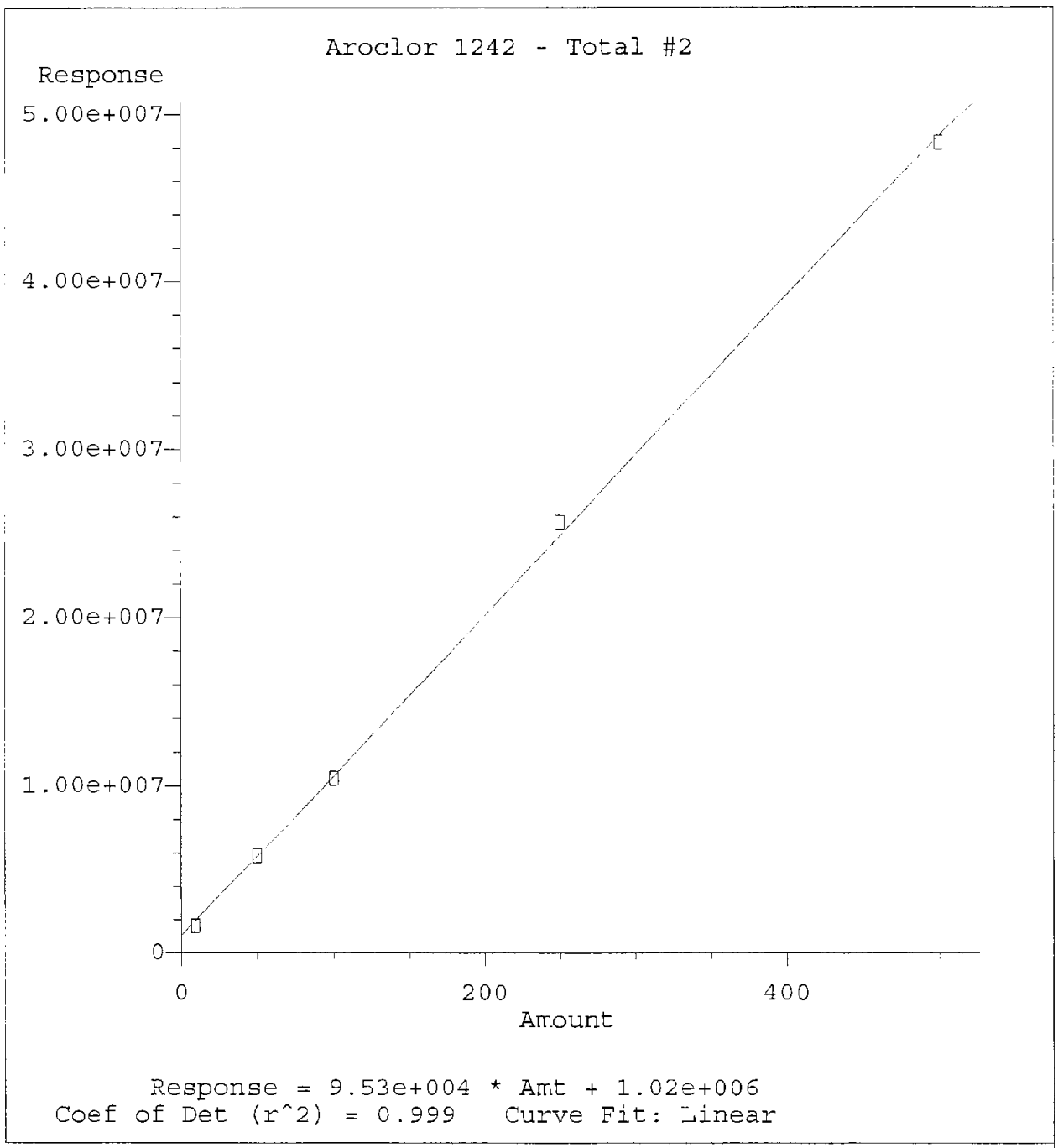

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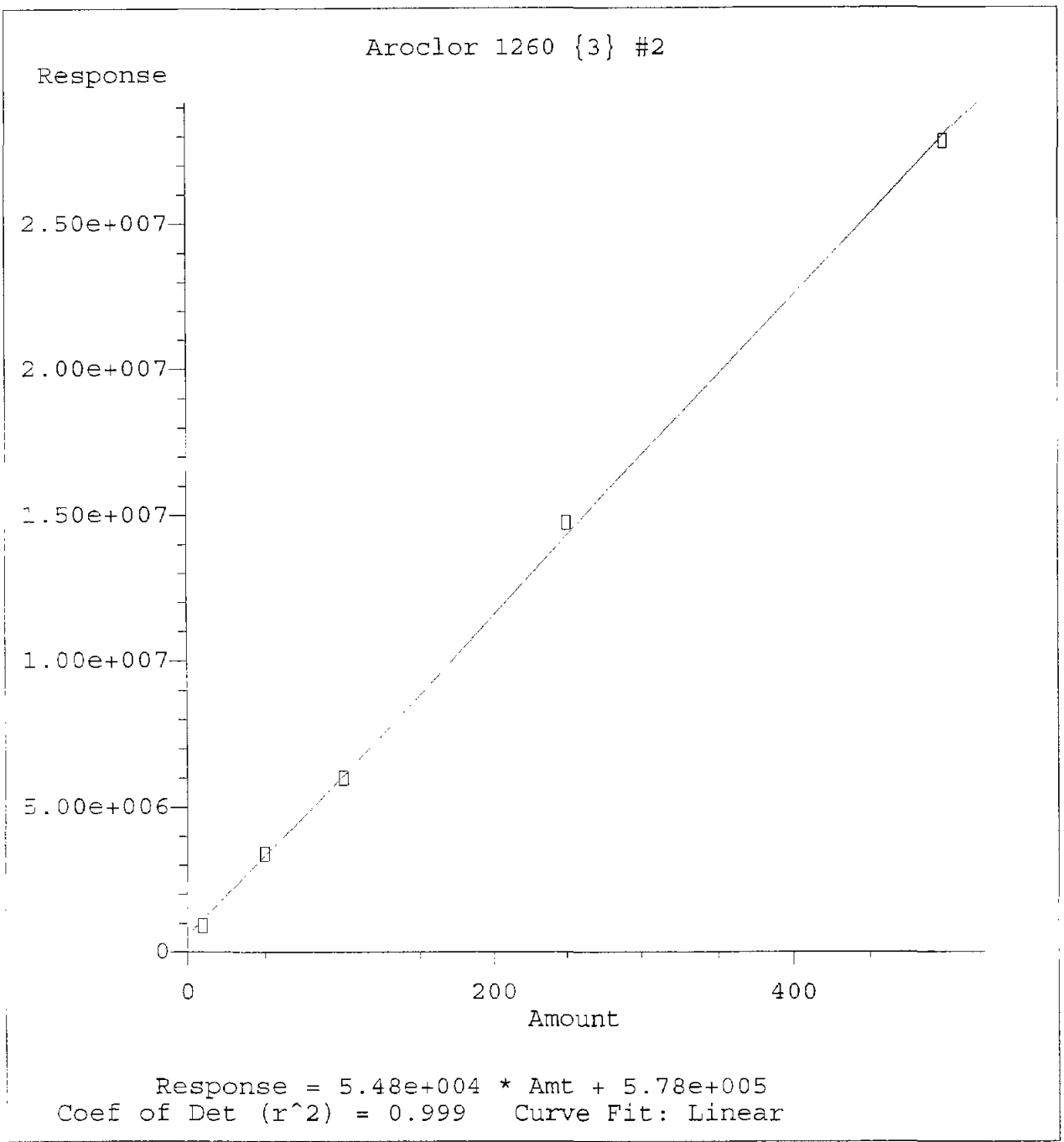
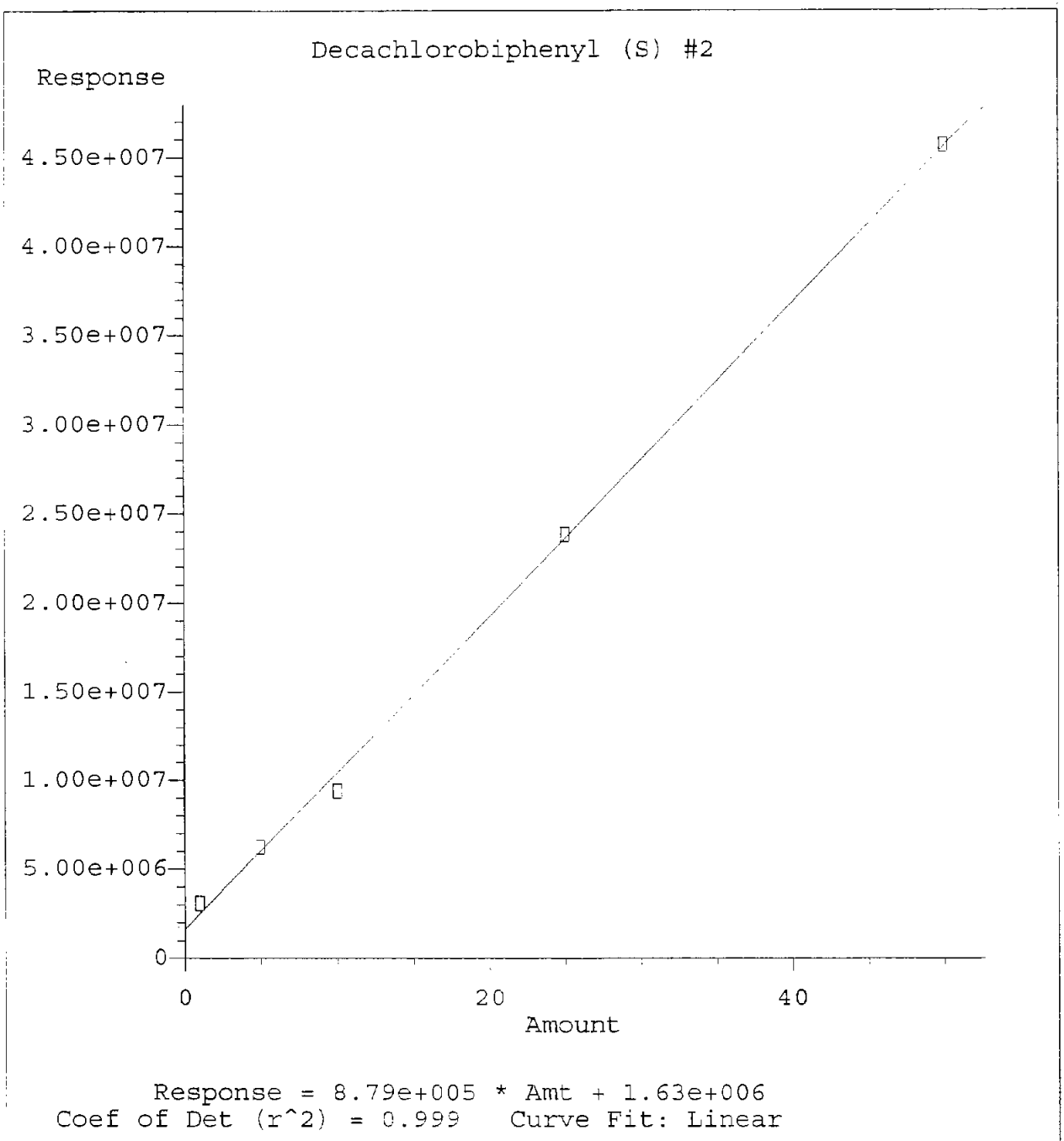
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

00864



Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

00865



Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

00866

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	

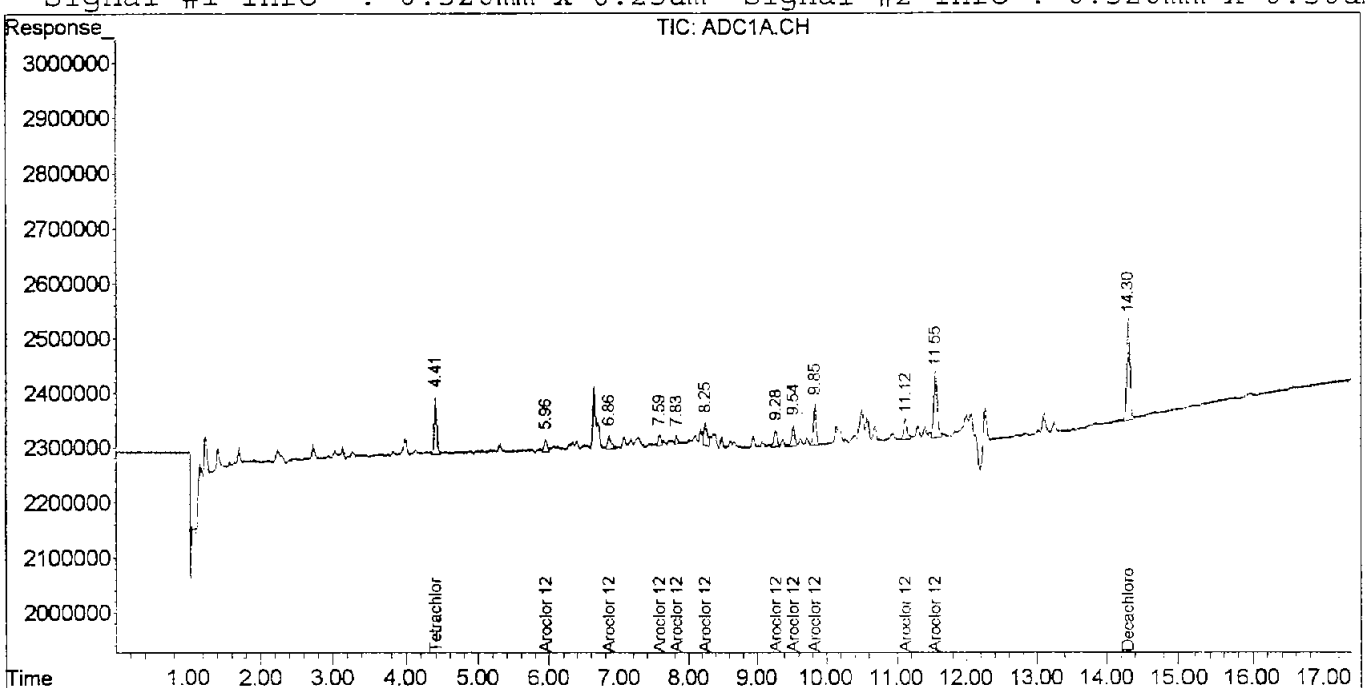
000867

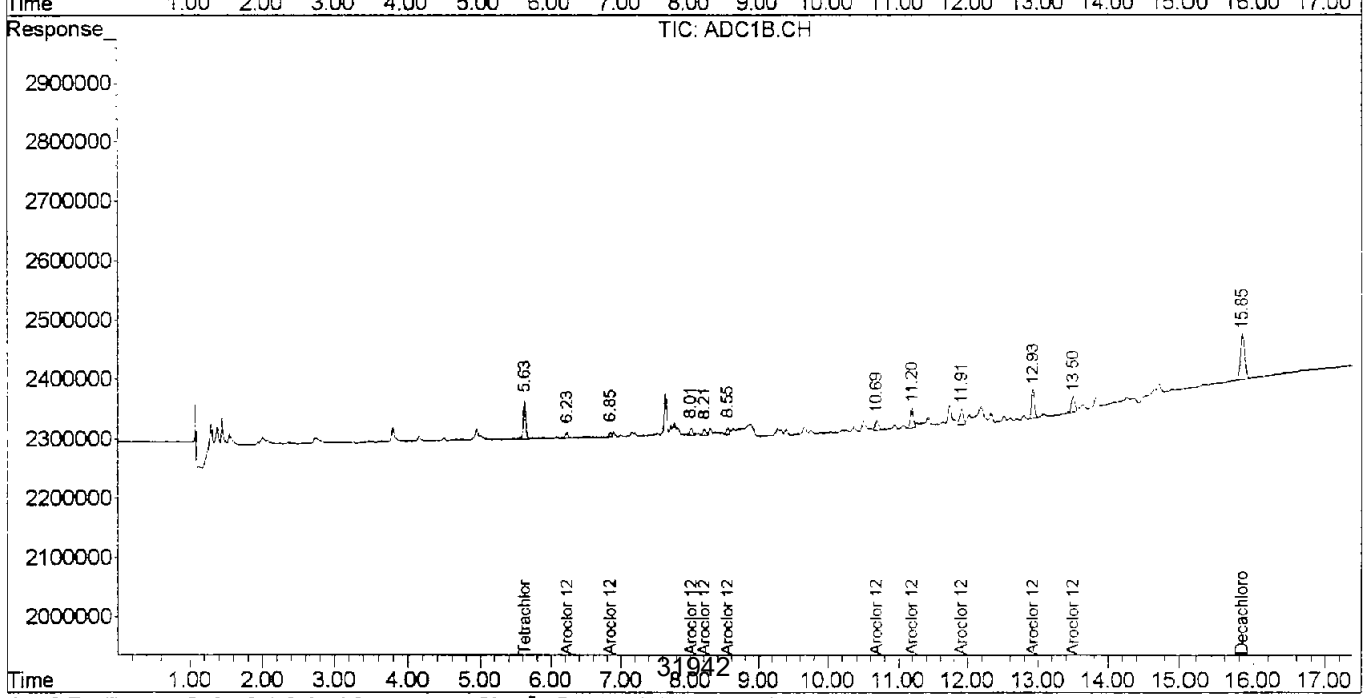
Quantitation Report (Not Reviewed)

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





89800

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.

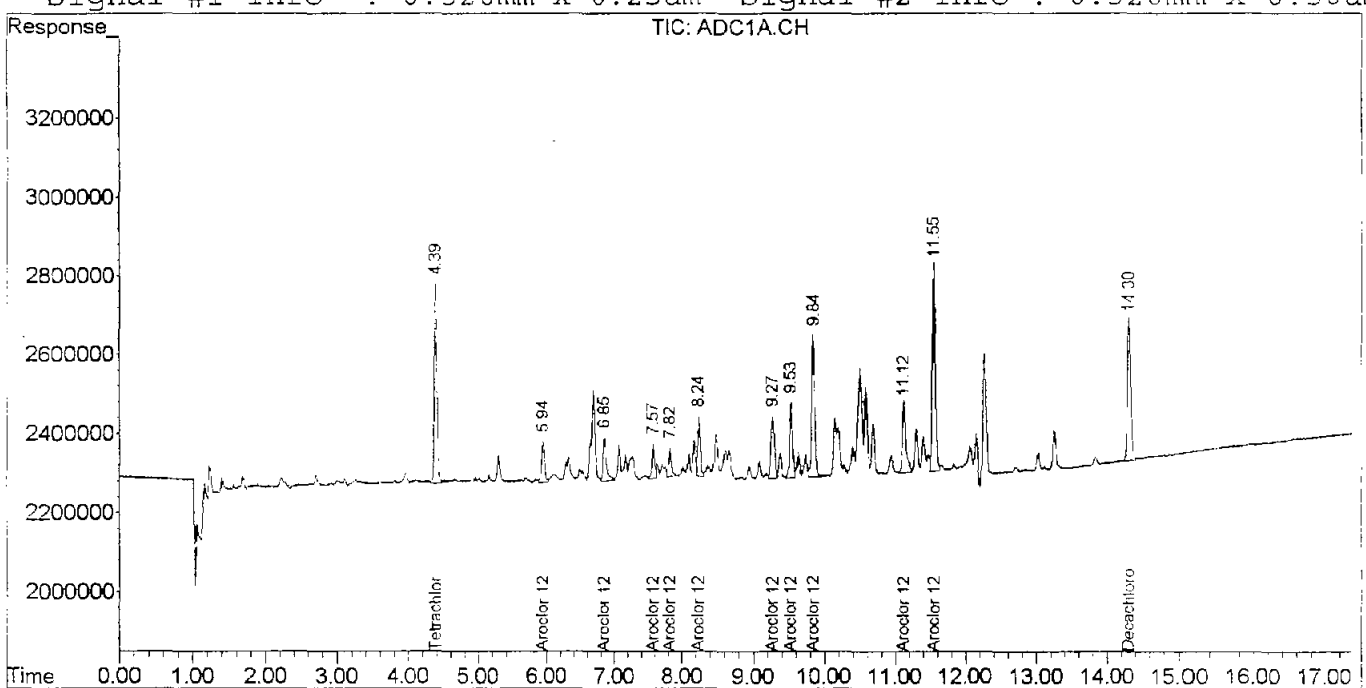
000869

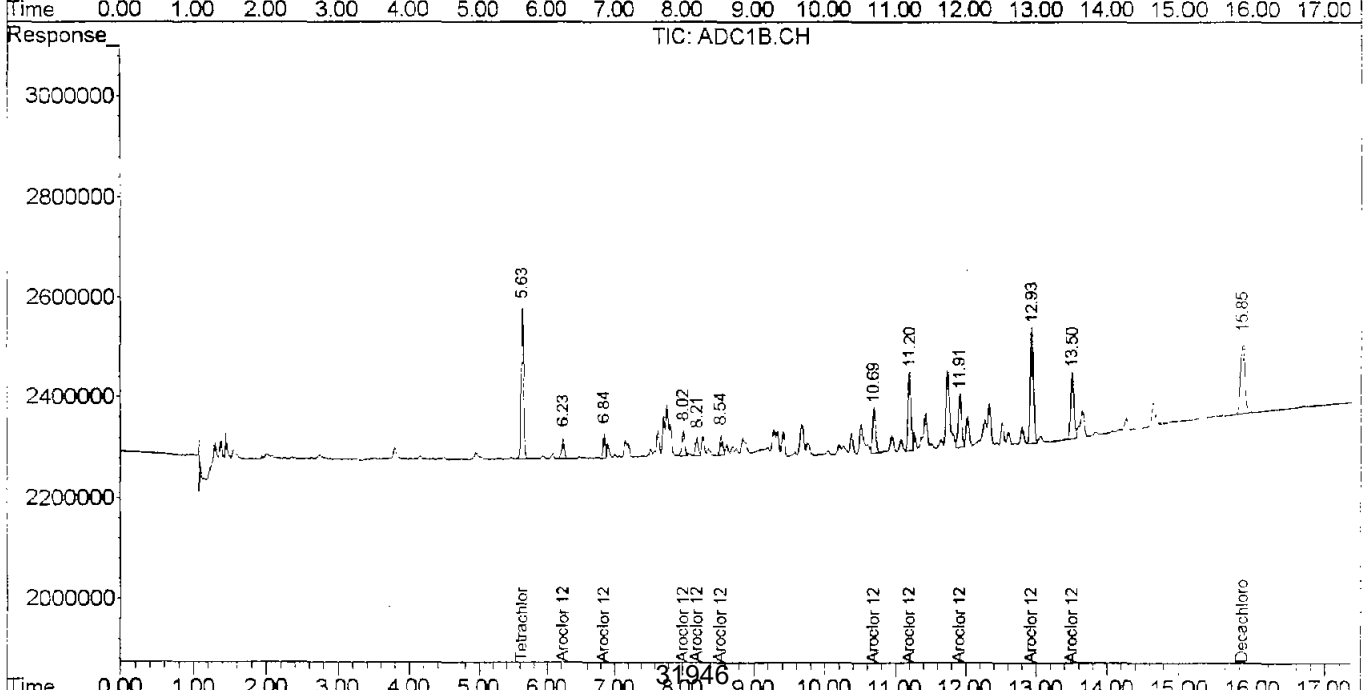
Quantitation Report (Not Reviewed)

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.
PCB2497.D 42601130.M Wed Dec 01 11:43:59 2004 Page 1

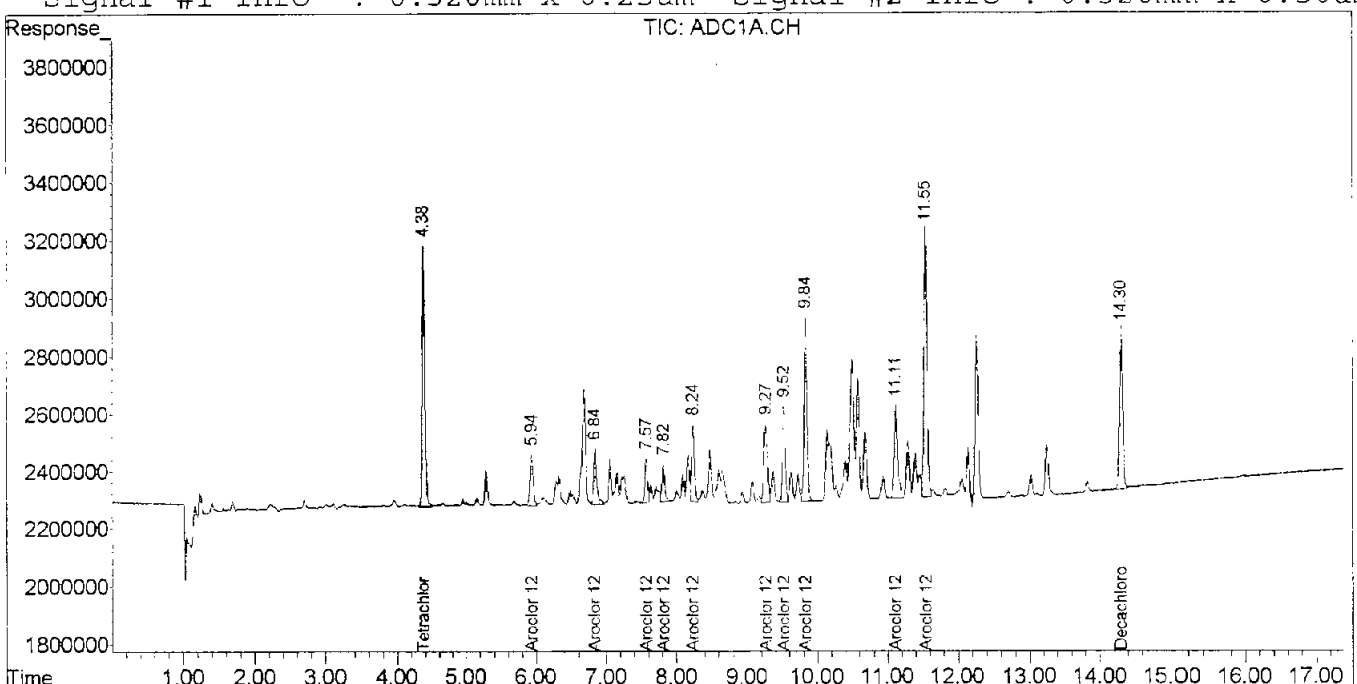
00871

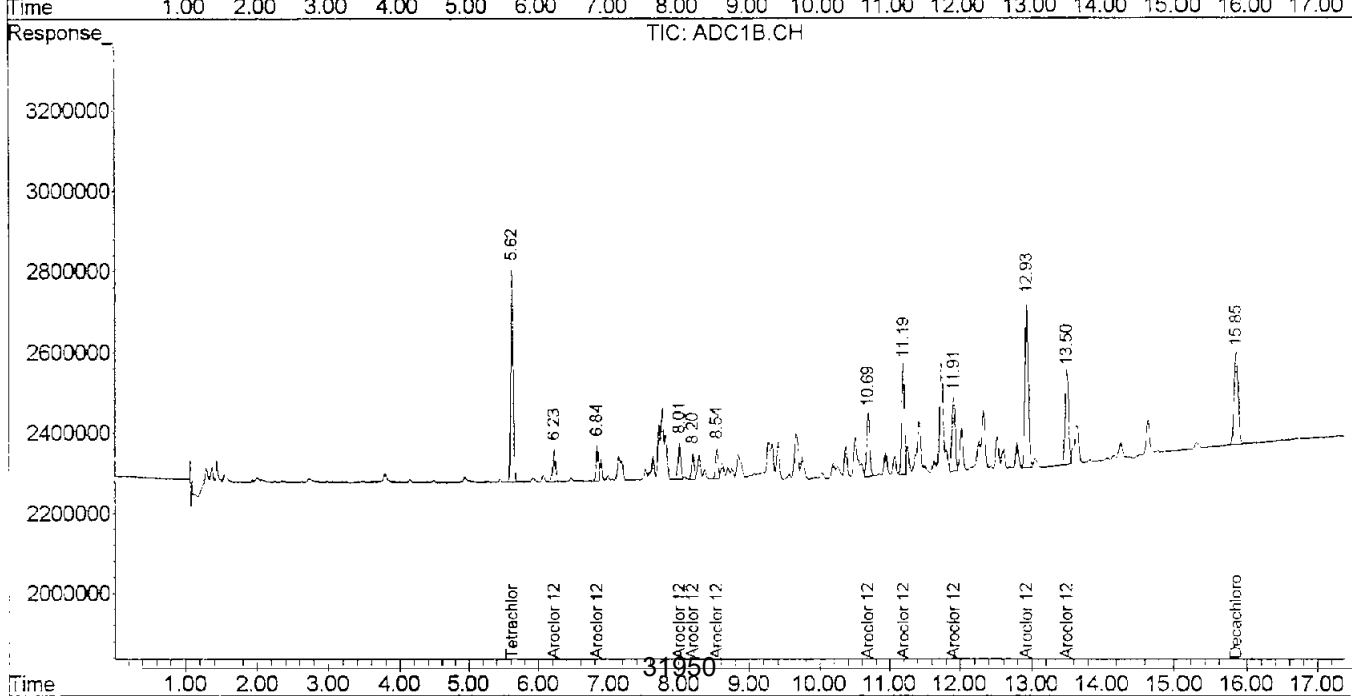
Quantitation Report (Not Reviewed)

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





31950
00872

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

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

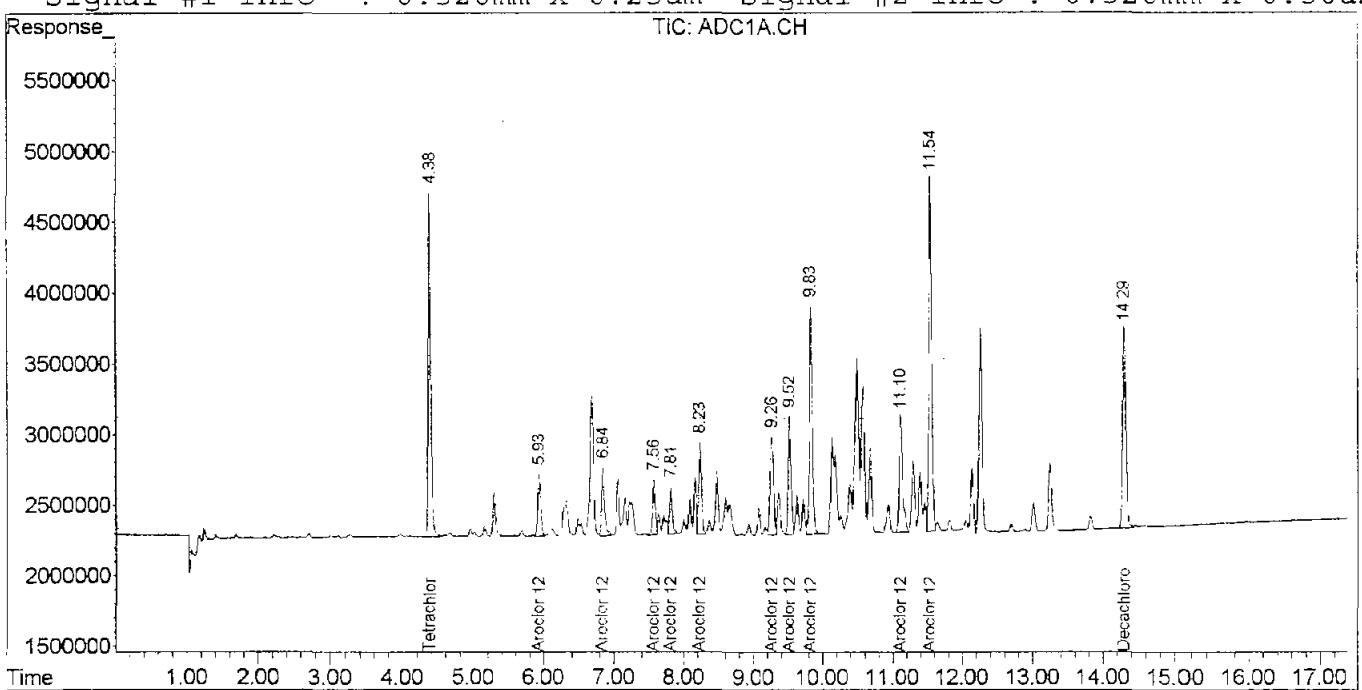
008673

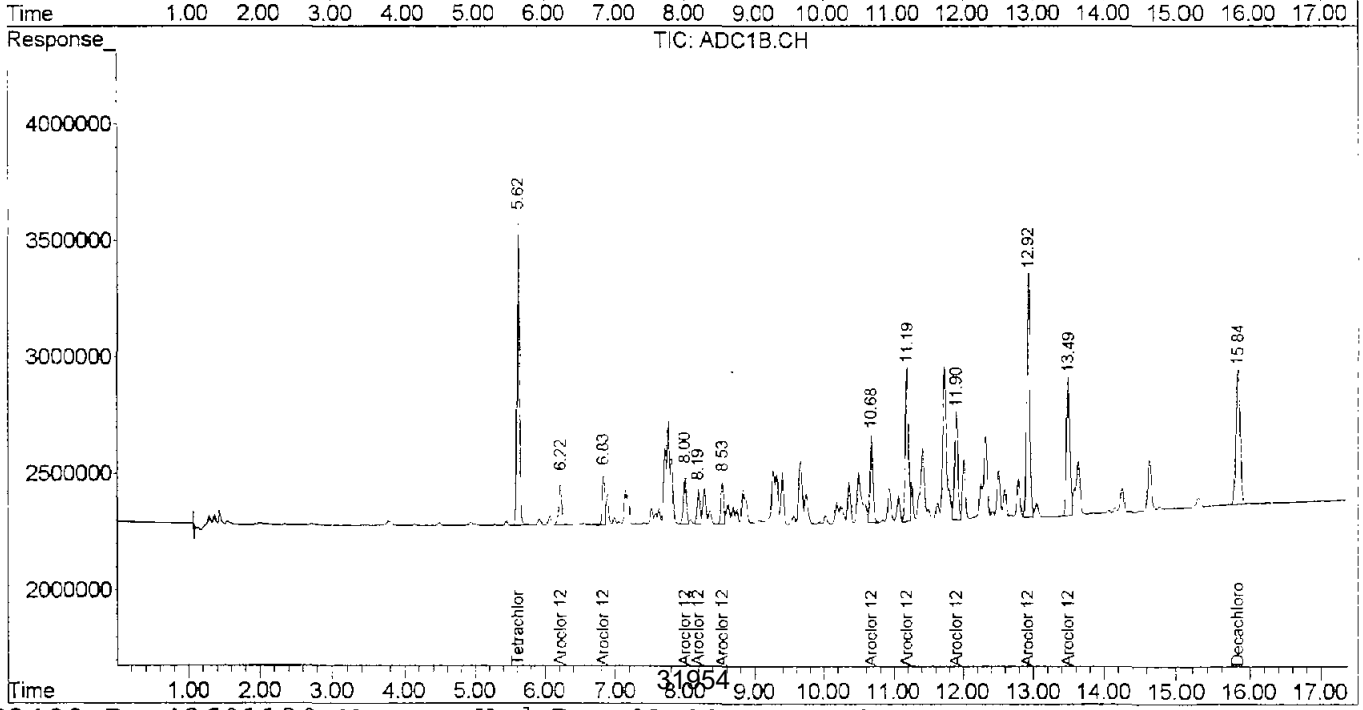
Quantitation Report (Not Reviewed)

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

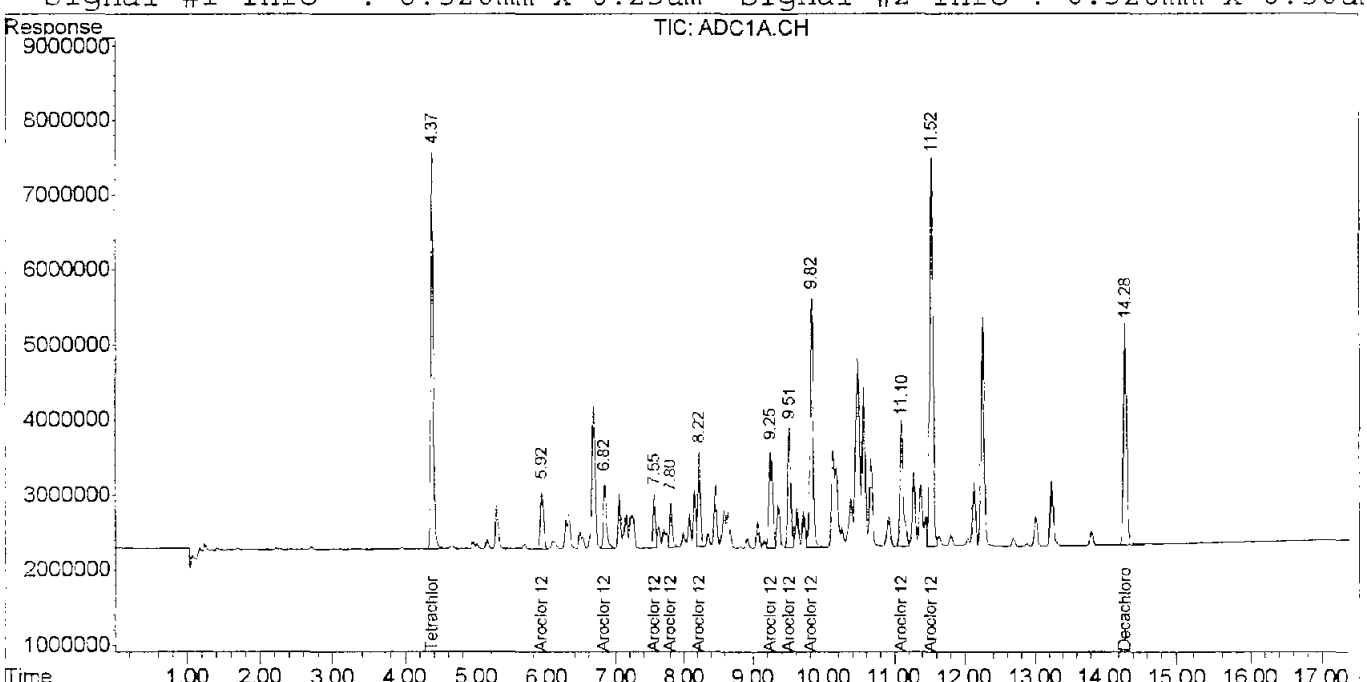
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.37	5.61	122.5E6	62111036	50.300	45.042
	Spiked Amount 20.000			Recovery	=	251.50%	225.21%
14)	S Decachlorobiphen	14.28	15.83	93807347	45663839	50.569	50.081
	Spiked Amount 20.000			Recovery	=	252.85%	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

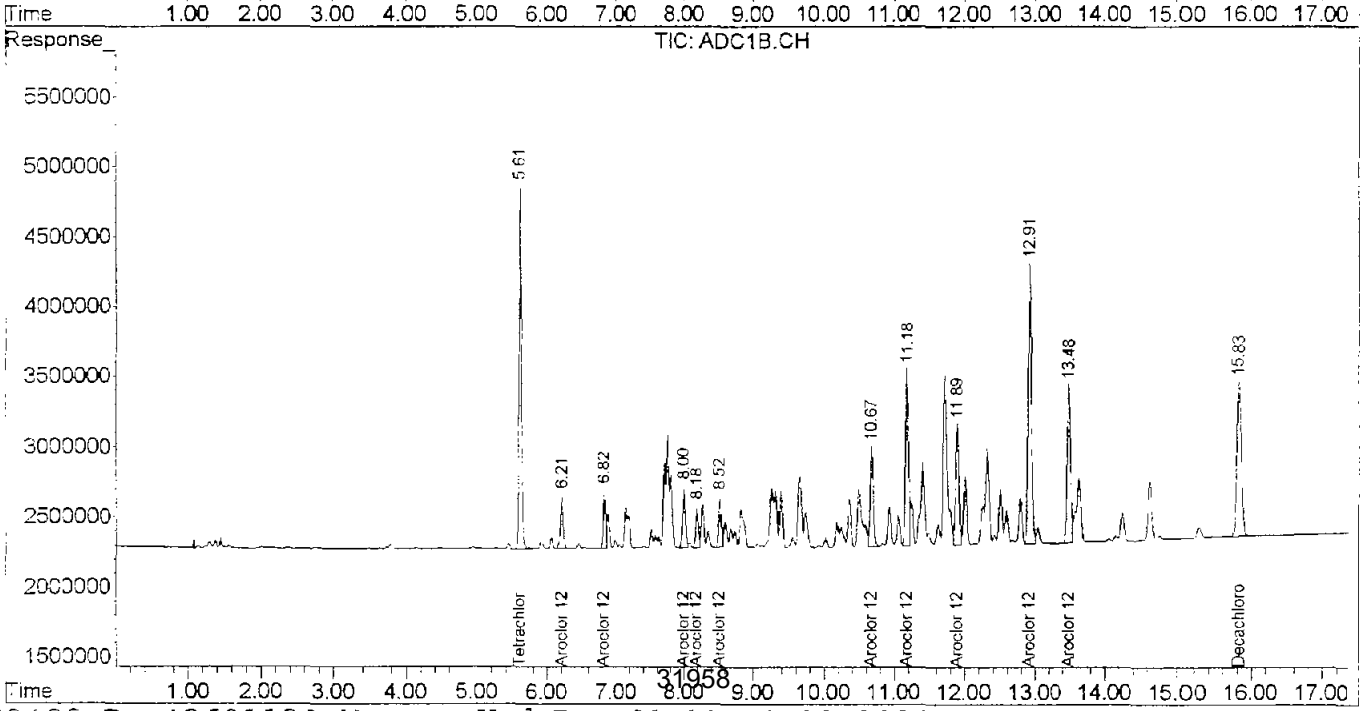
Quantitation Report (Not Reviewed)

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

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

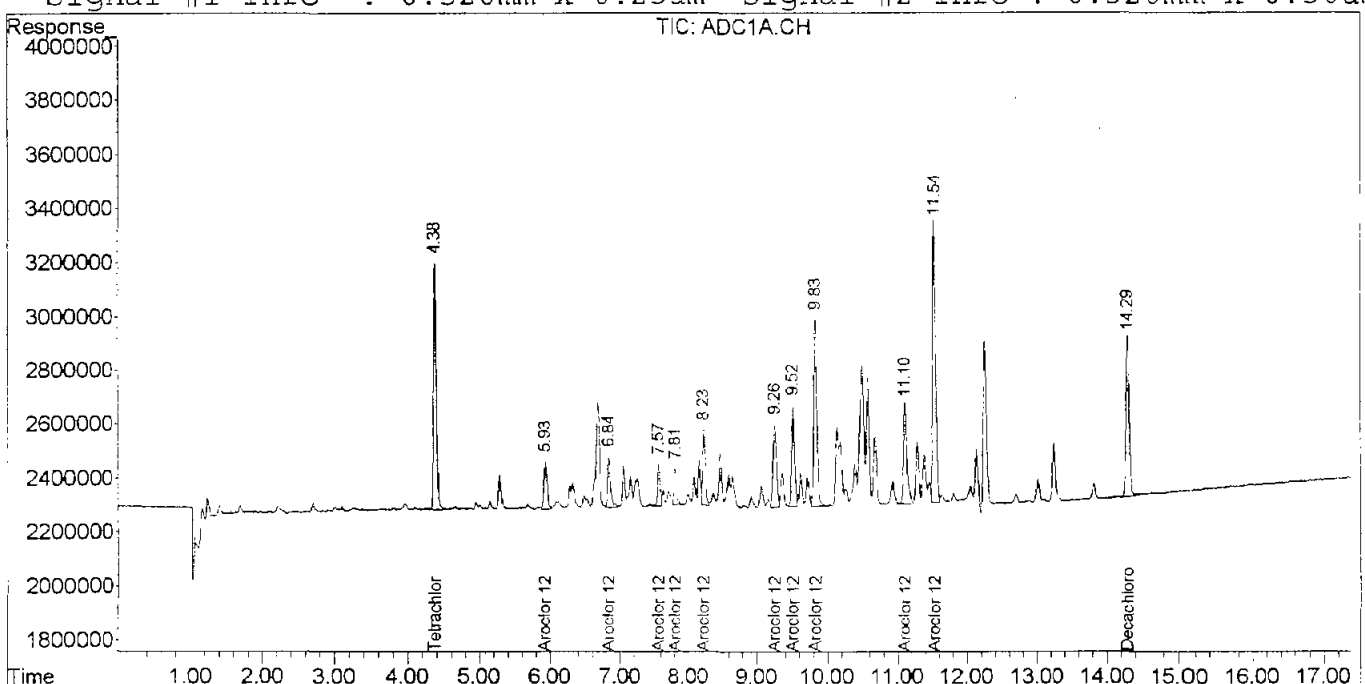
1	S	Tetrachloro-m-xylene (S)	10.000	9.471	5.3	0	0.00
2	L3	Aroclor 1242	100.000	90.352	9.6	0	0.00
3	L3	Aroclor 1242 (2)	100.000	96.526	3.5	0	0.00
4	L3	Aroclor 1242 (3)	100.000	96.426	3.6	0	0.00
5	L3	Aroclor 1242 (4)	100.000	102.551	-2.6	0	0.00
6	L3	Aroclor 1242 (5)	100.000	98.107	1.9	0	0.00
7	L3	Aroclor 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

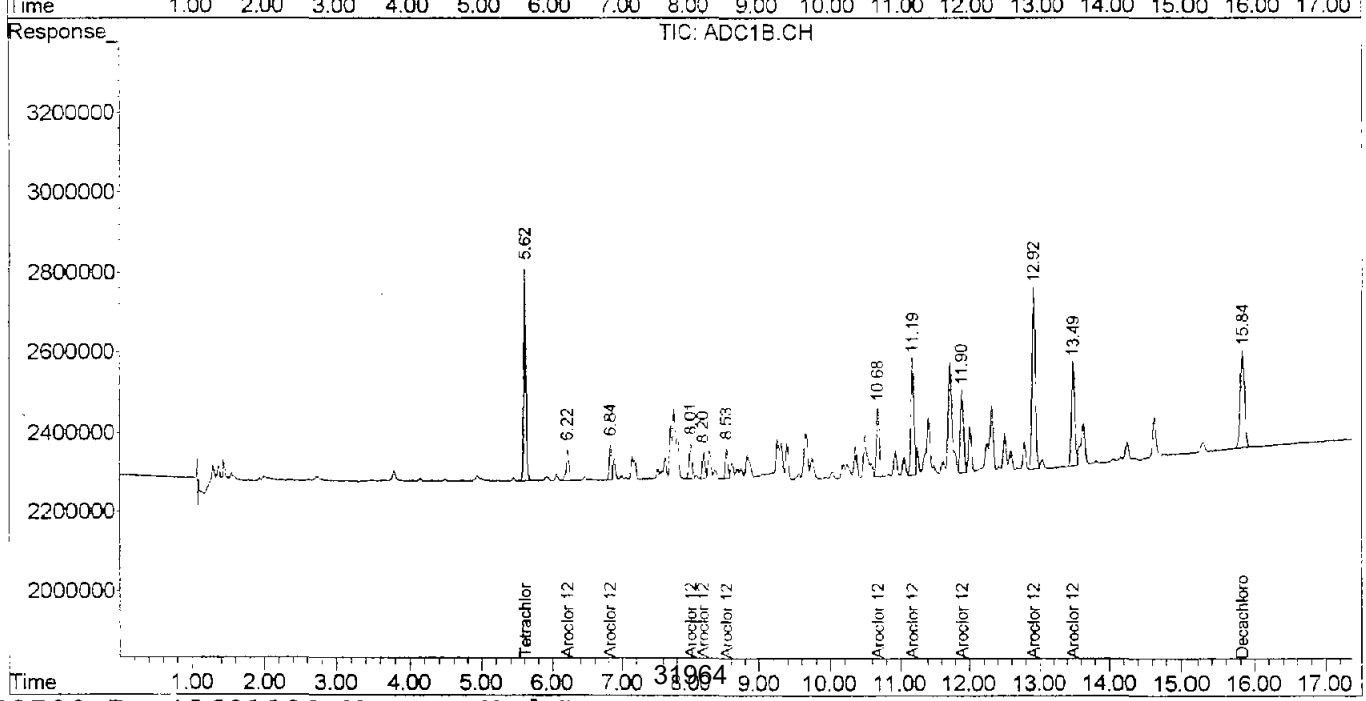
Quantitation Report (Not Reviewed)

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

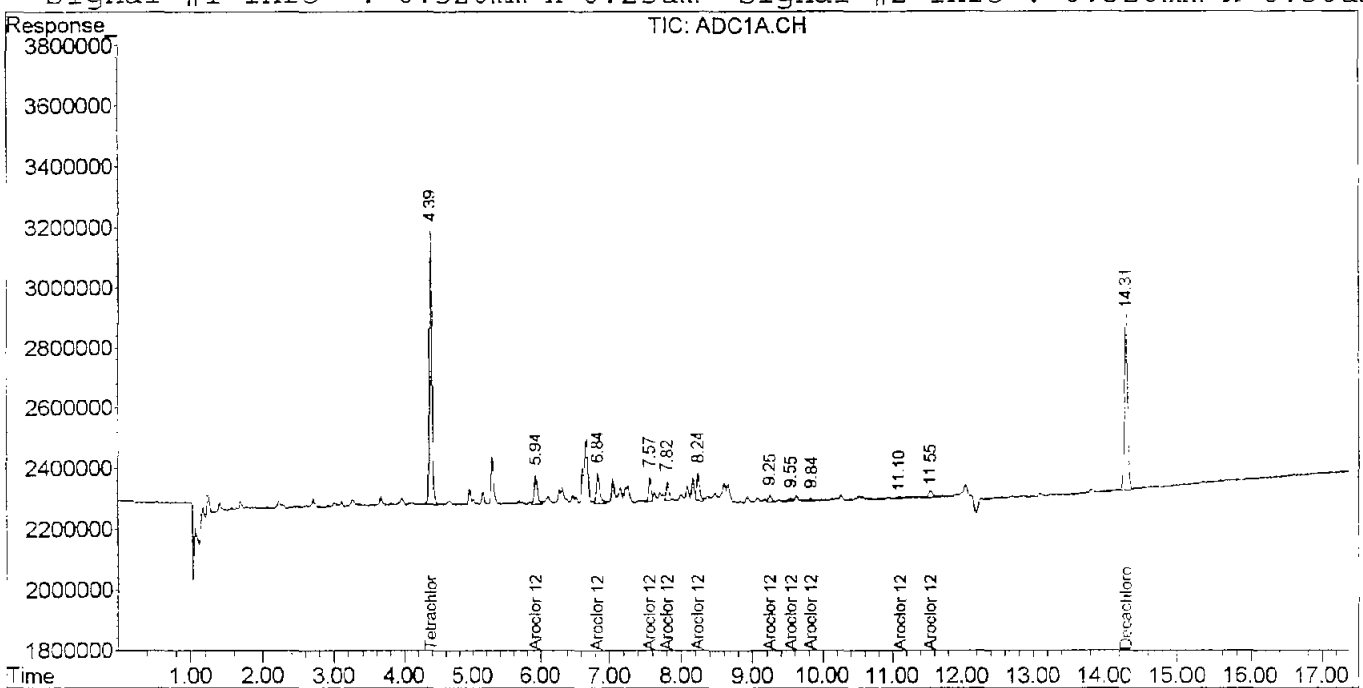
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	S Tetrachloro-m-xy	4.38	5.62	21979512	12656111	9.026	9.178	
	Spiked Amount 20.000			Recovery	=	45.13%	45.89%	
14)	S Decachlorobiphen	14.30	15.85	18474188	9626886	8.901	9.097	
	Spiked Amount 20.000			Recovery	=	44.51%	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	#

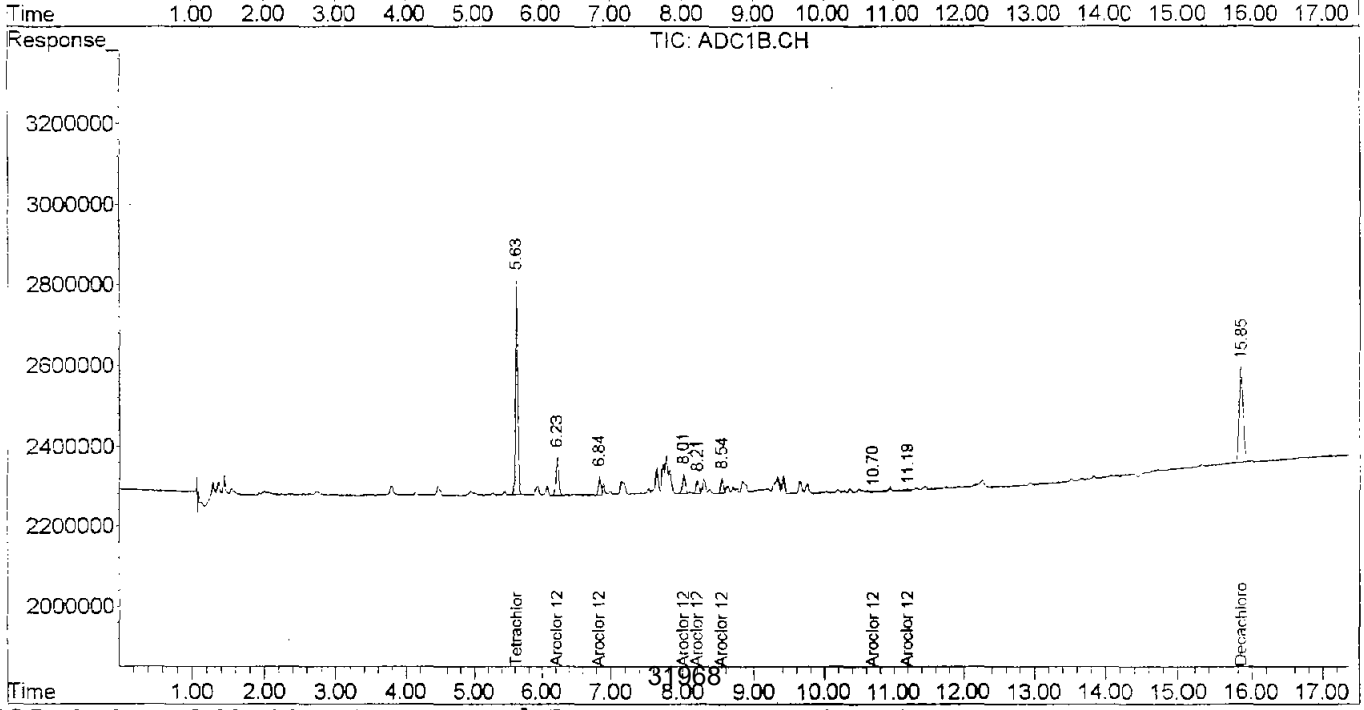
Quantitation Report (Not Reviewed)

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





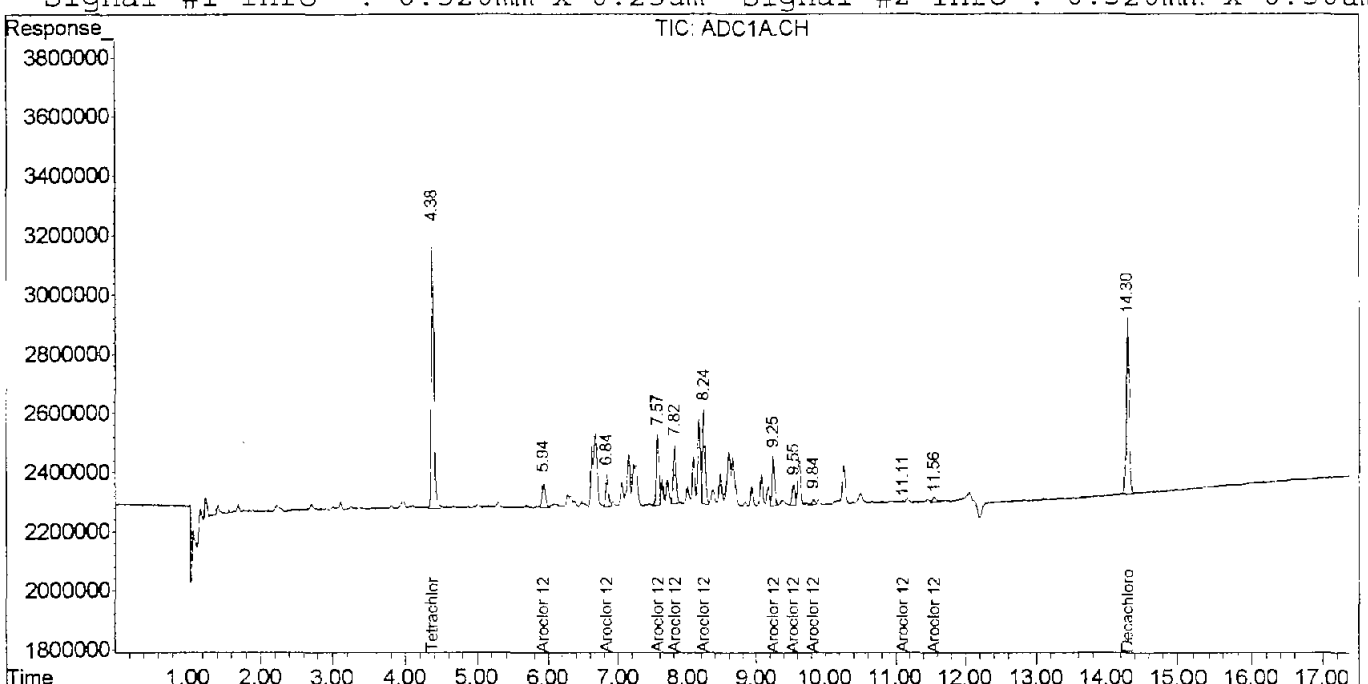
00881

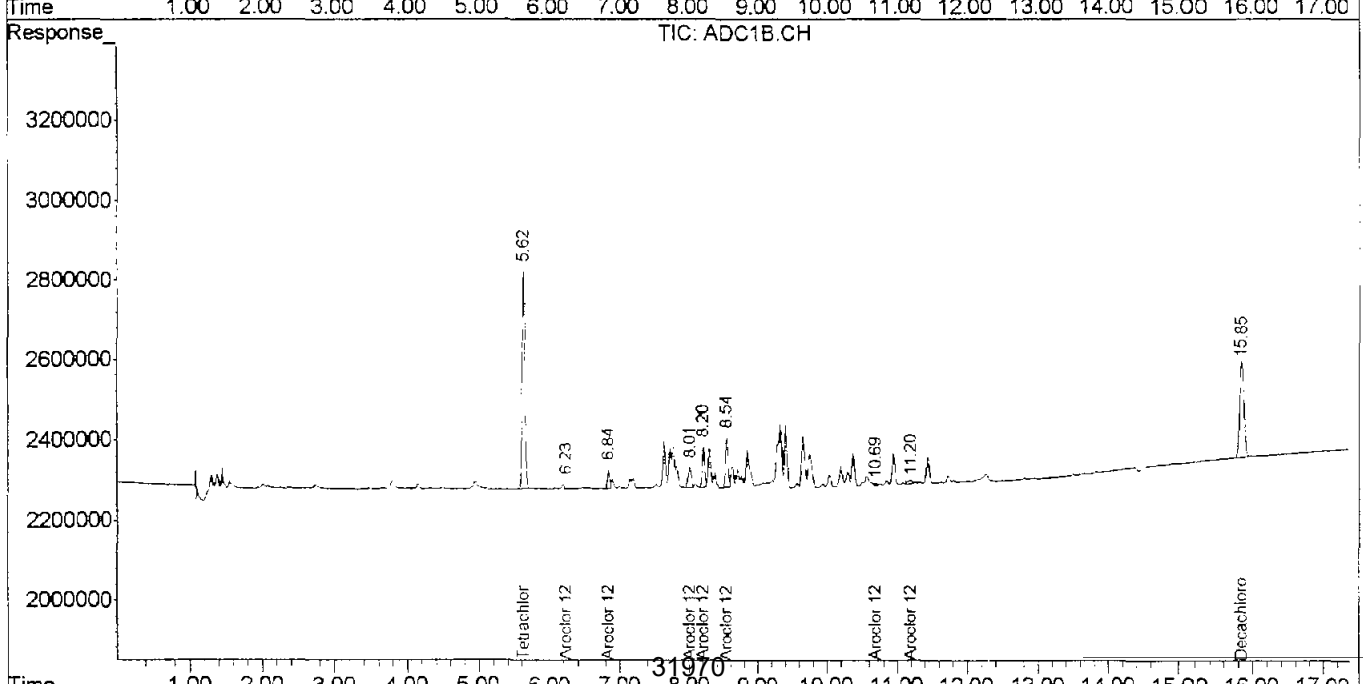
Quantitation Report (Not Reviewed)

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





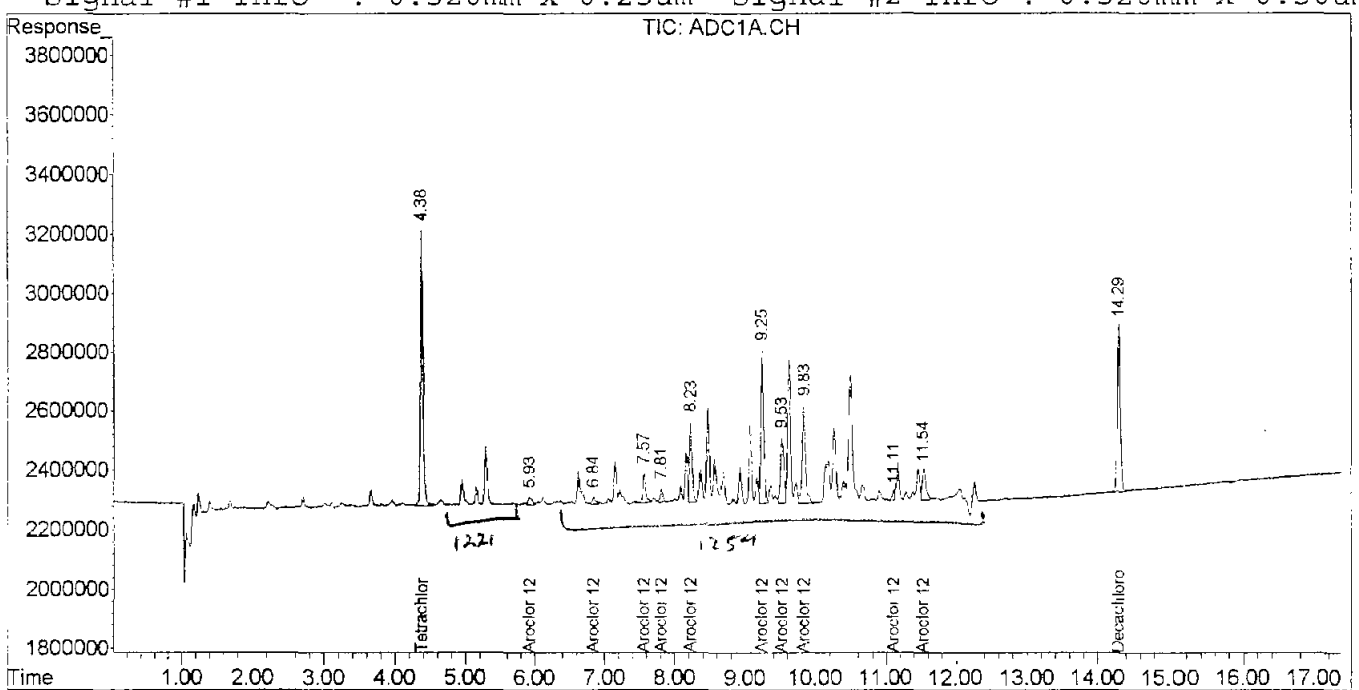
00882

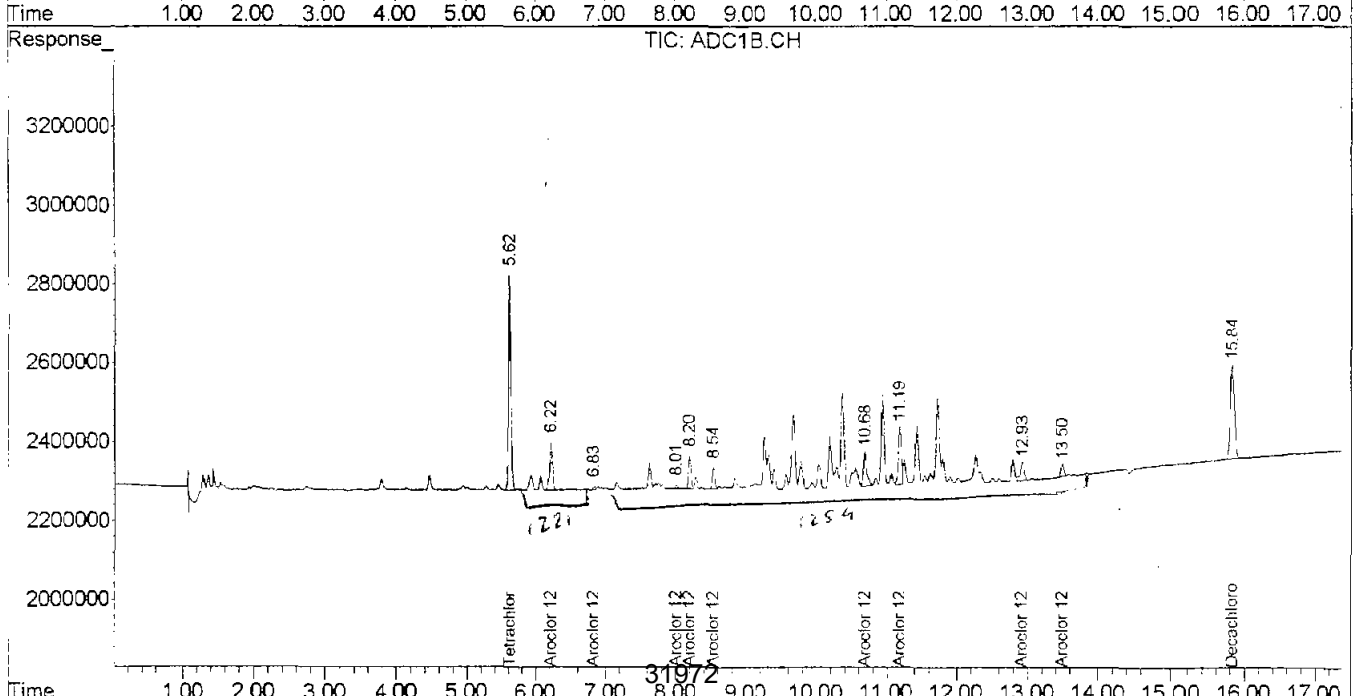
Quantitation Report (Not Reviewed)

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





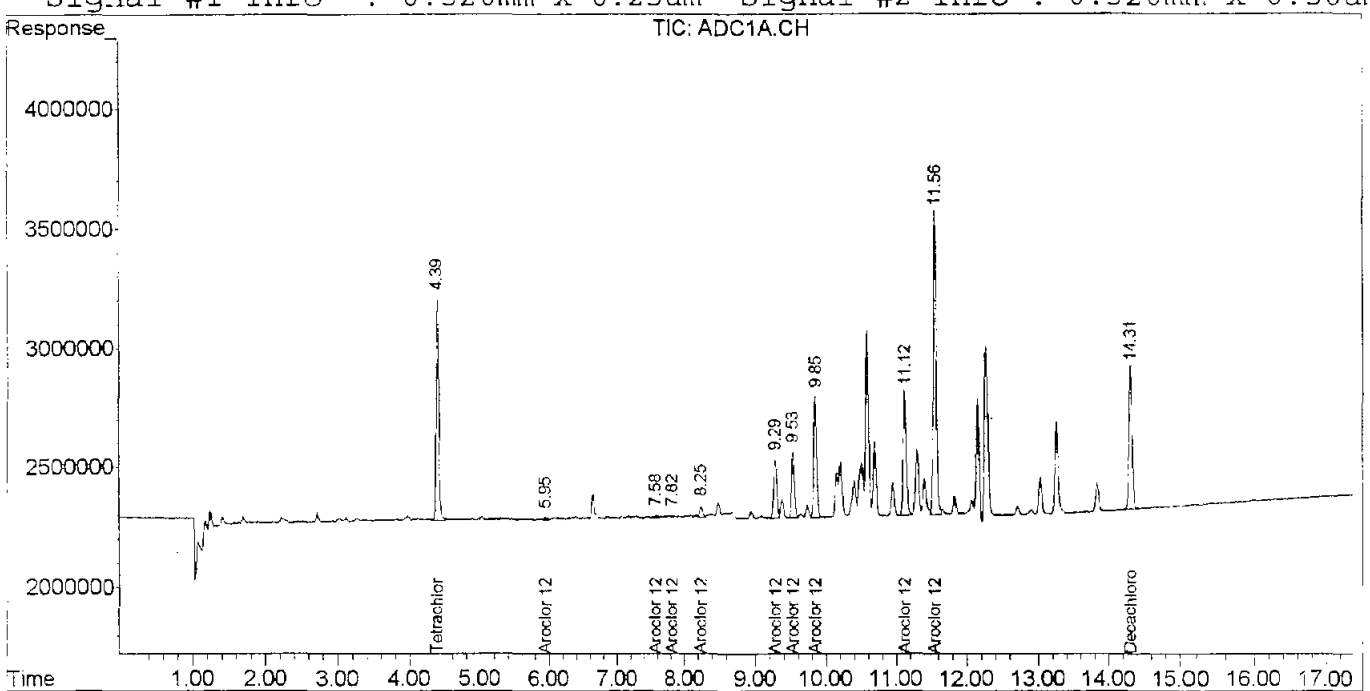
00883

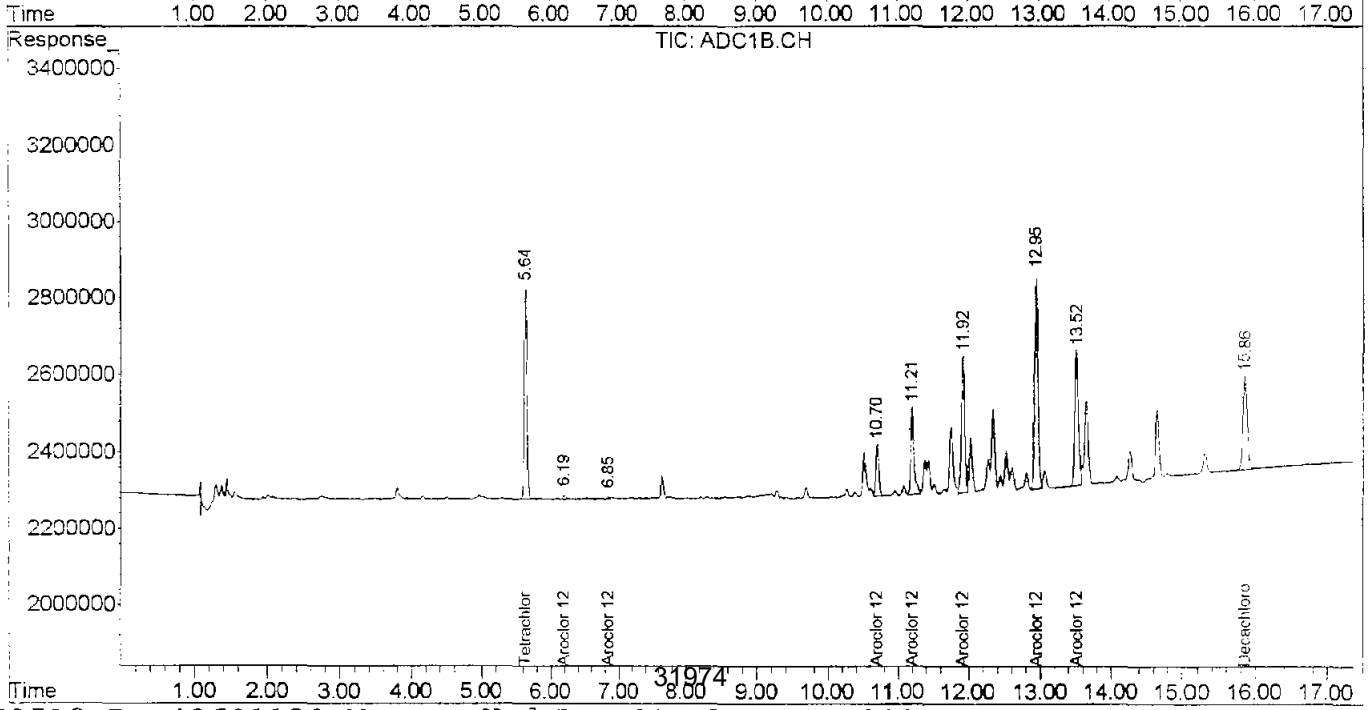
Quantitation Report (Not Reviewed)

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



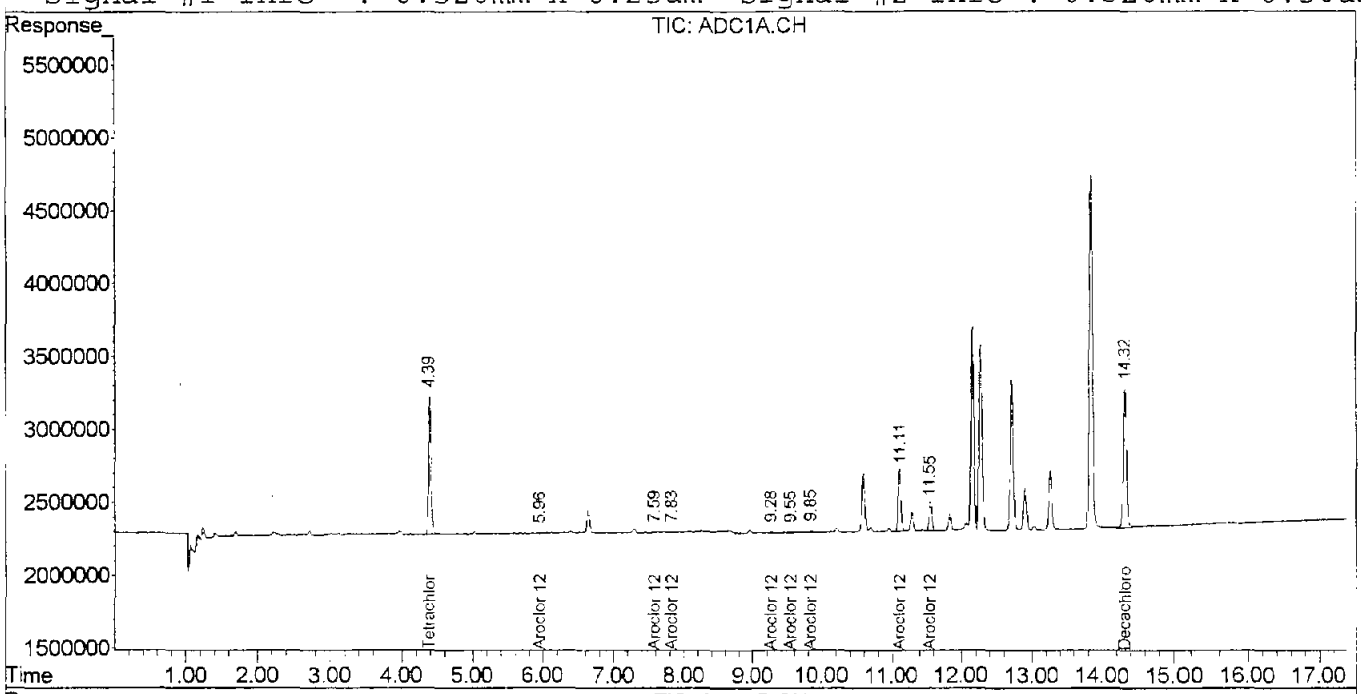


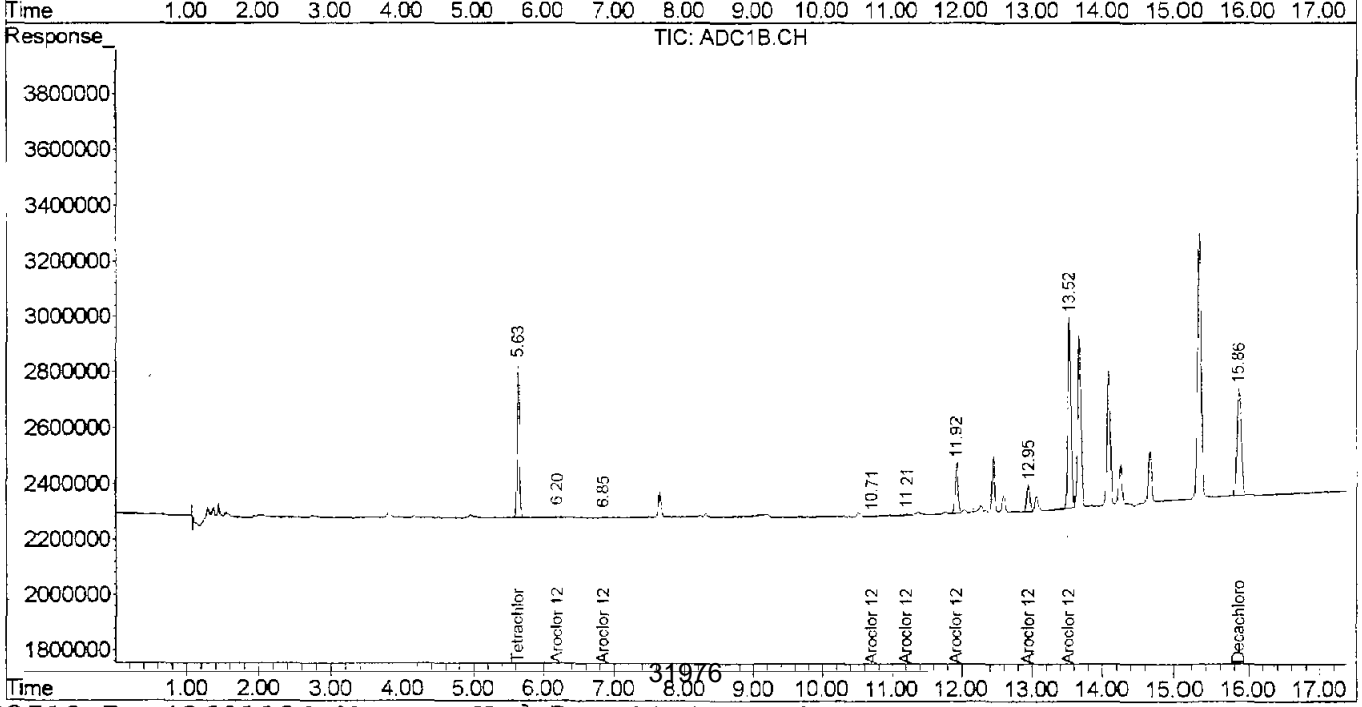
Quantitation Report (Not Reviewed)

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





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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

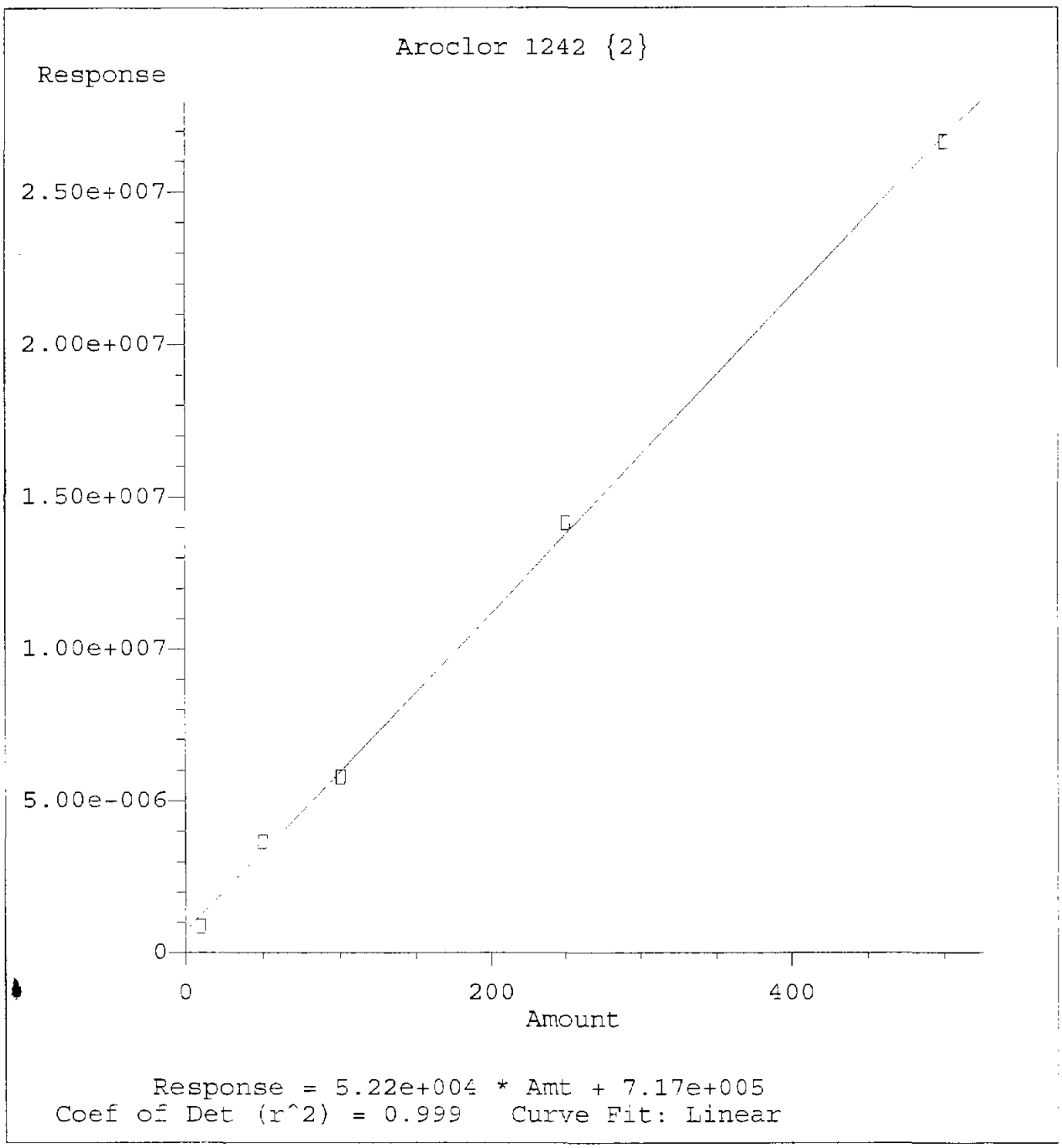
Calibration Files
10 =PCB2495.D 50 =PCB2496.D 100 =PCB2497.D
250 =PCB2498.D 500 =PCB2499.D

		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

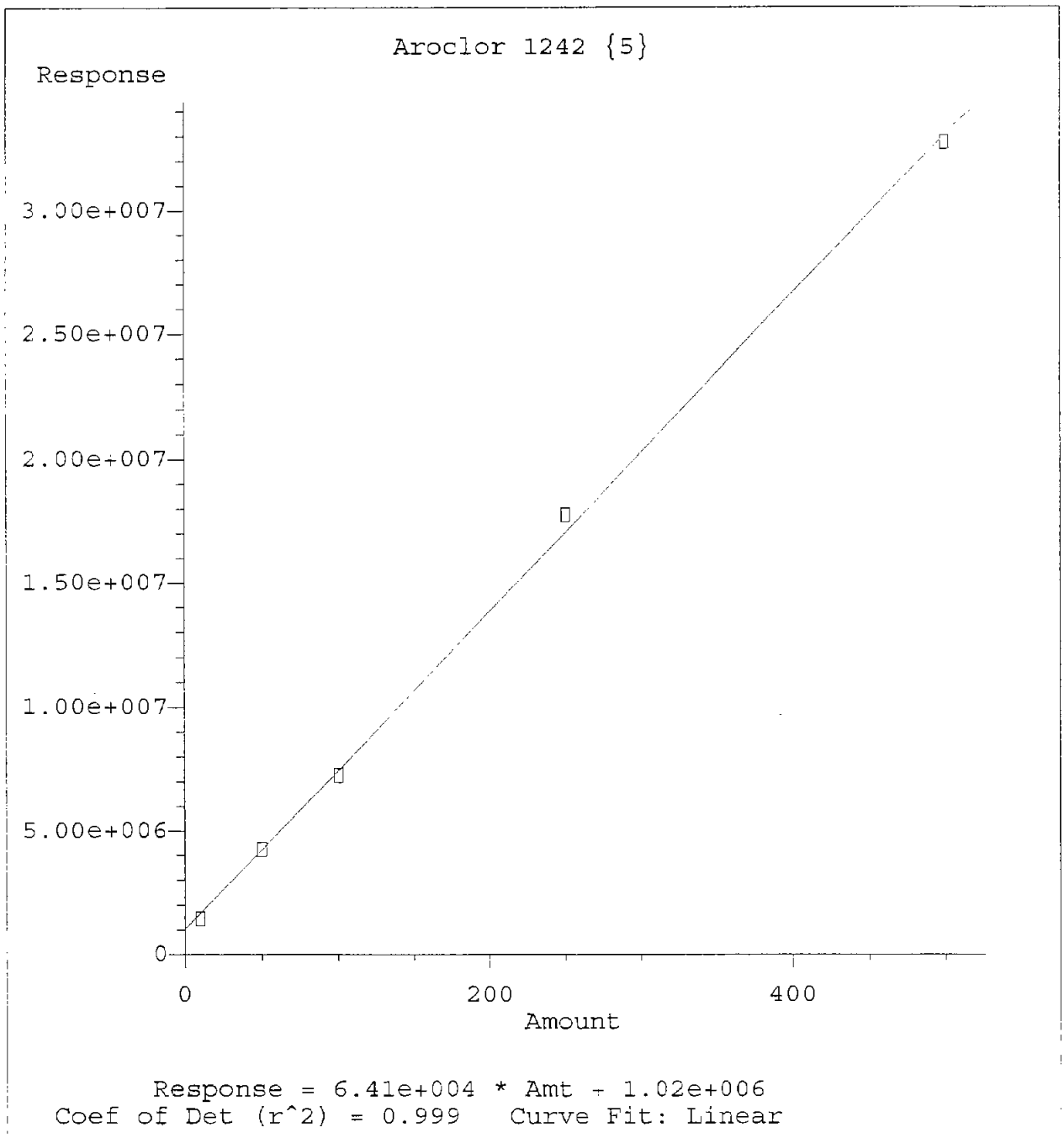
		Compound	10	50	100	250	500	Avg		%RSD	
1)	S	Tetrachloro-m-xylene	1.579	1.476	1.305	1.293	1.242	1.379	E6	10.33	
2)	L3	Aroclor 1242	2.979	2.426	2.189	2.137	2.000	2.346	E4	16.45	
3)	L3	Aroclor 1242 {2}	2.162	2.348	2.124	2.091	1.947	2.134	E4	6.77	
4)	L3	Aroclor 1242 {3}	3.894	2.914	2.592	2.587	2.443	2.886	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



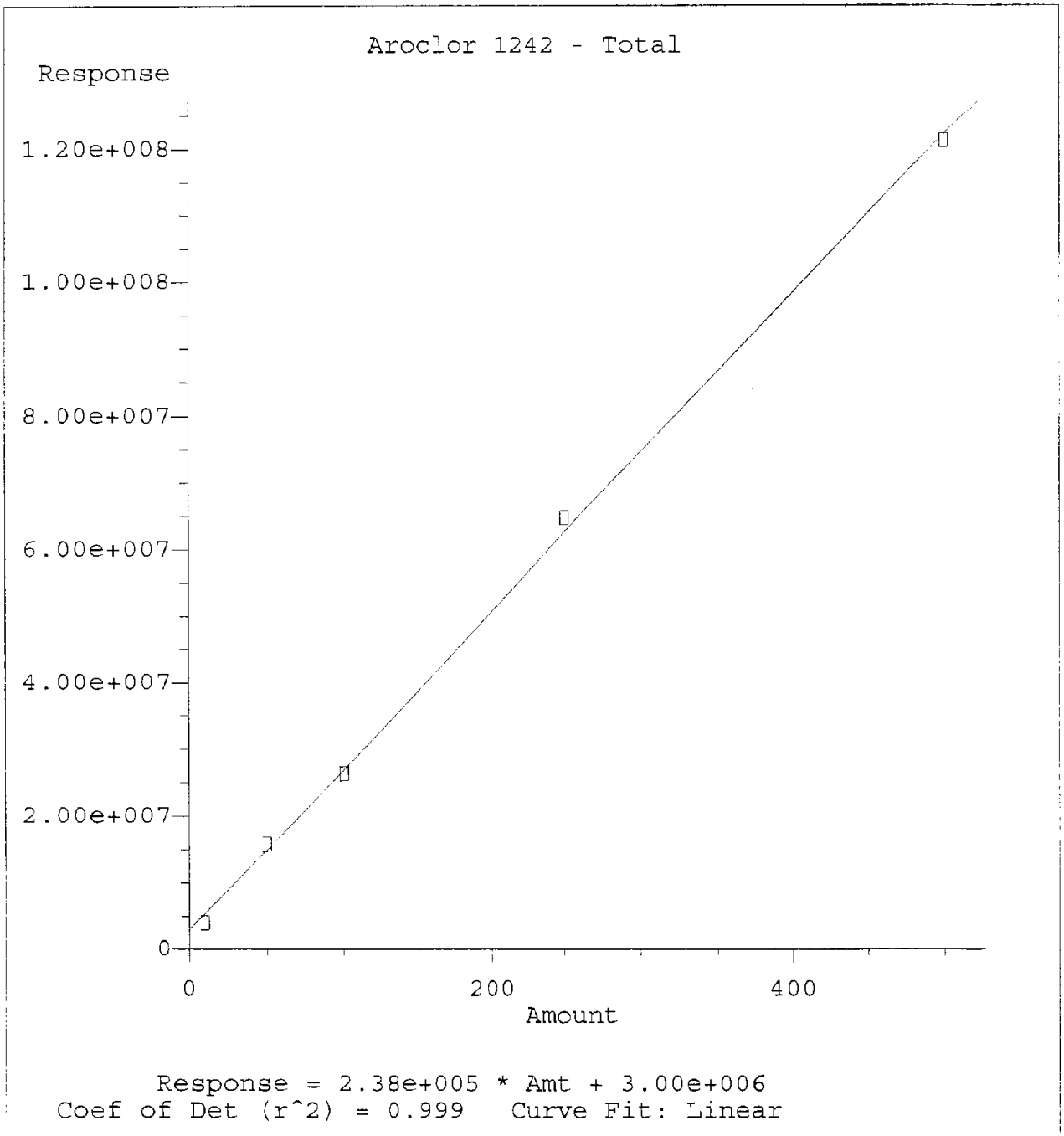
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

00887



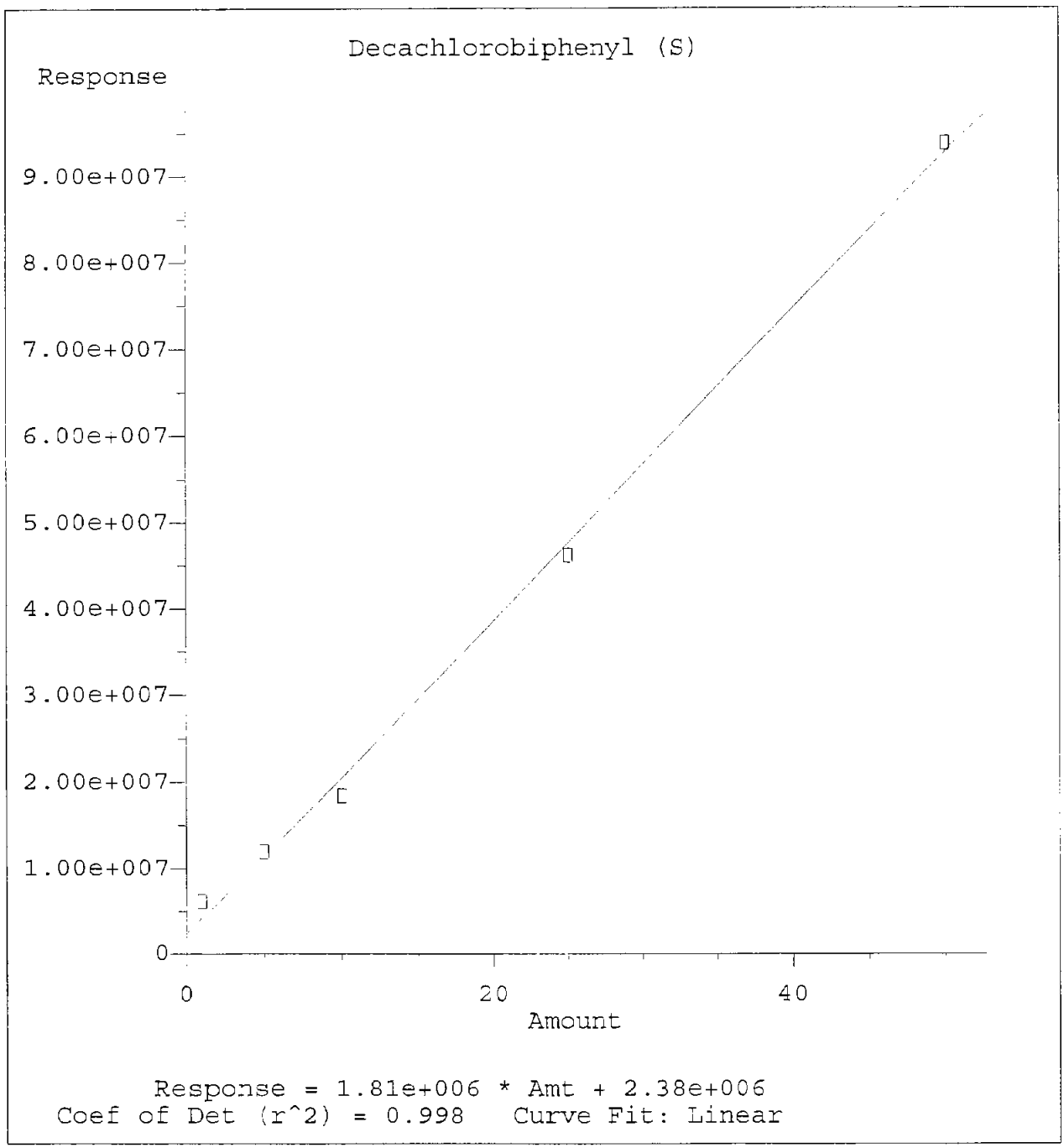
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

88800



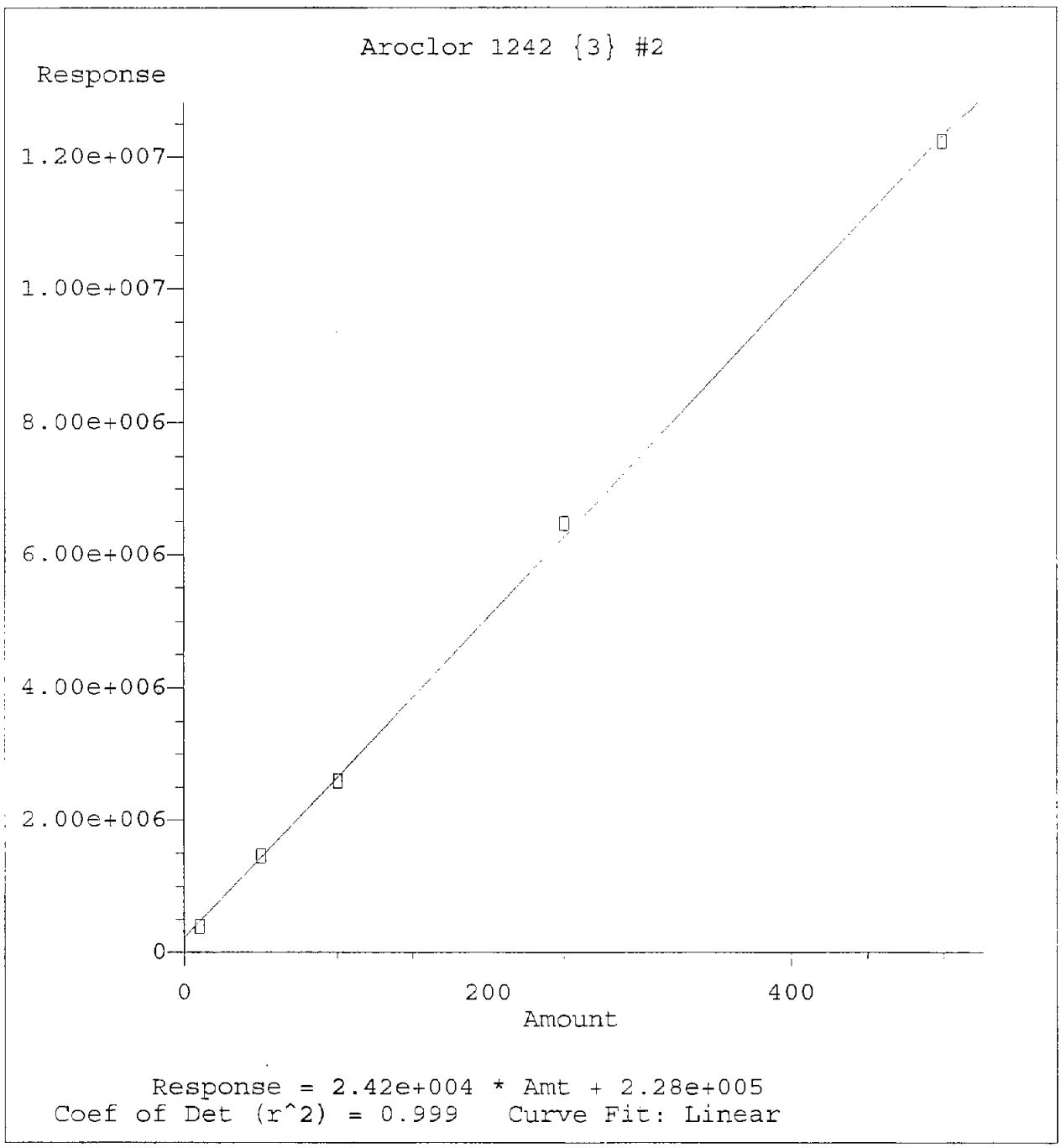
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

68800



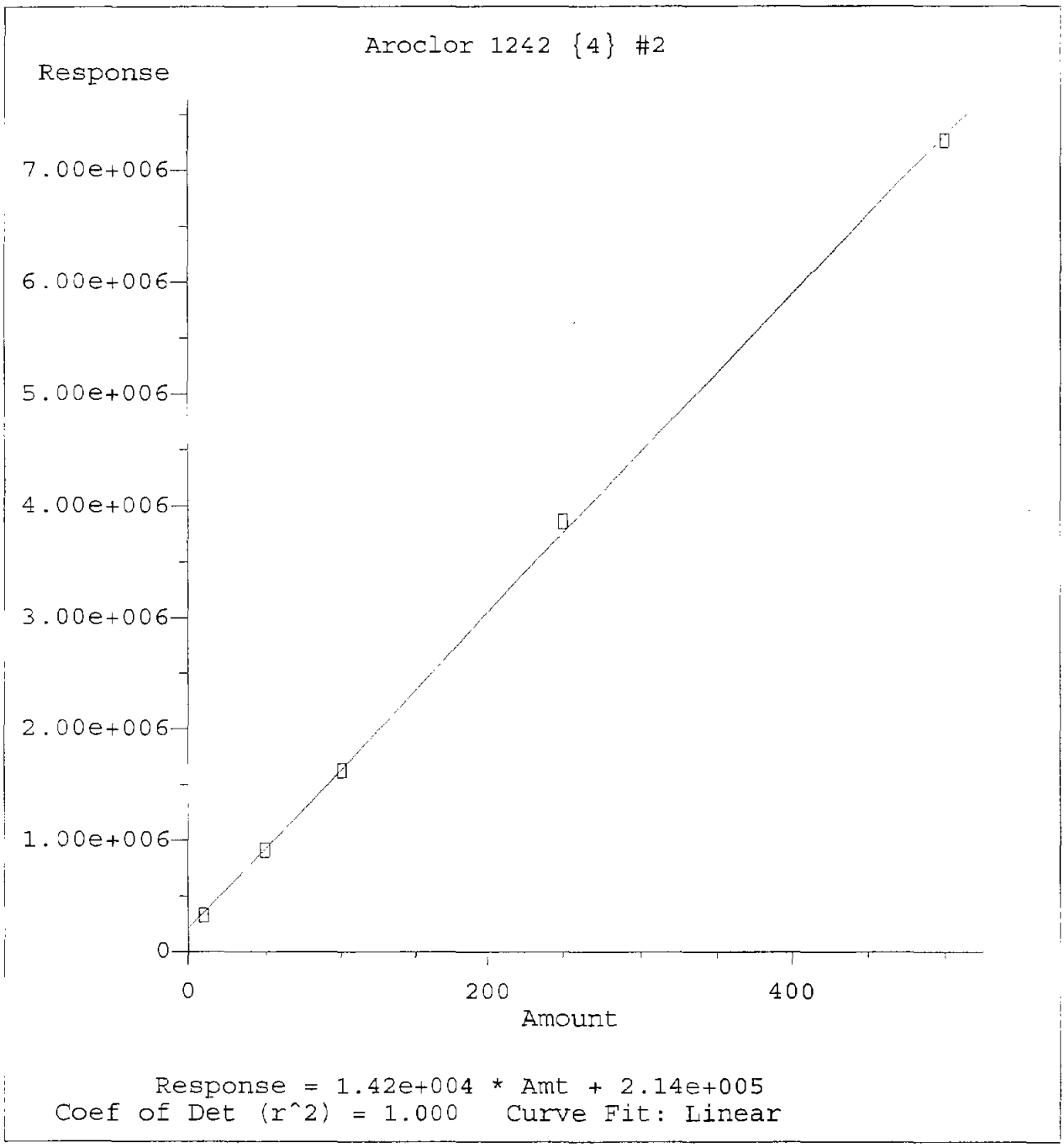
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

06800



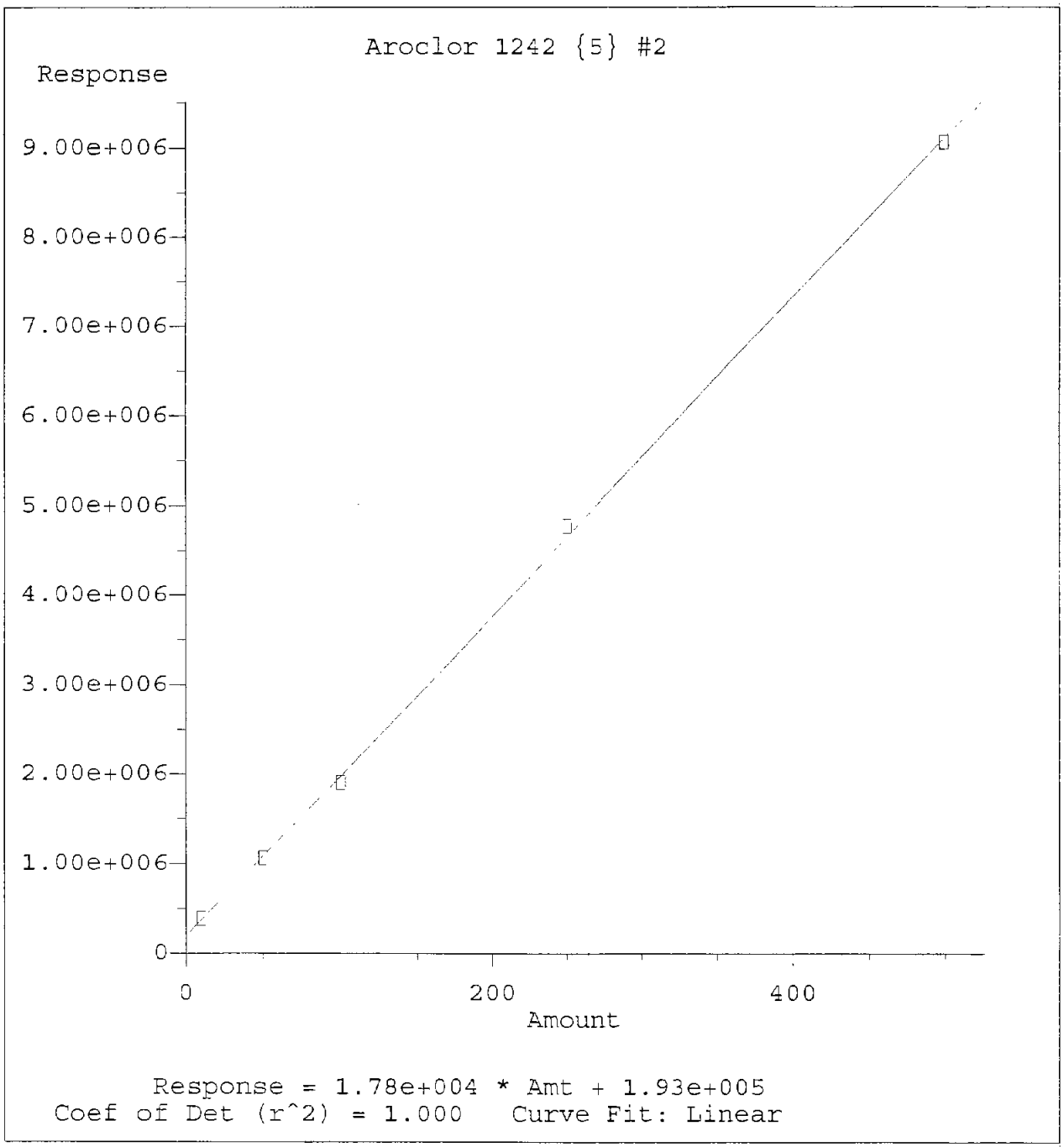
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

008891



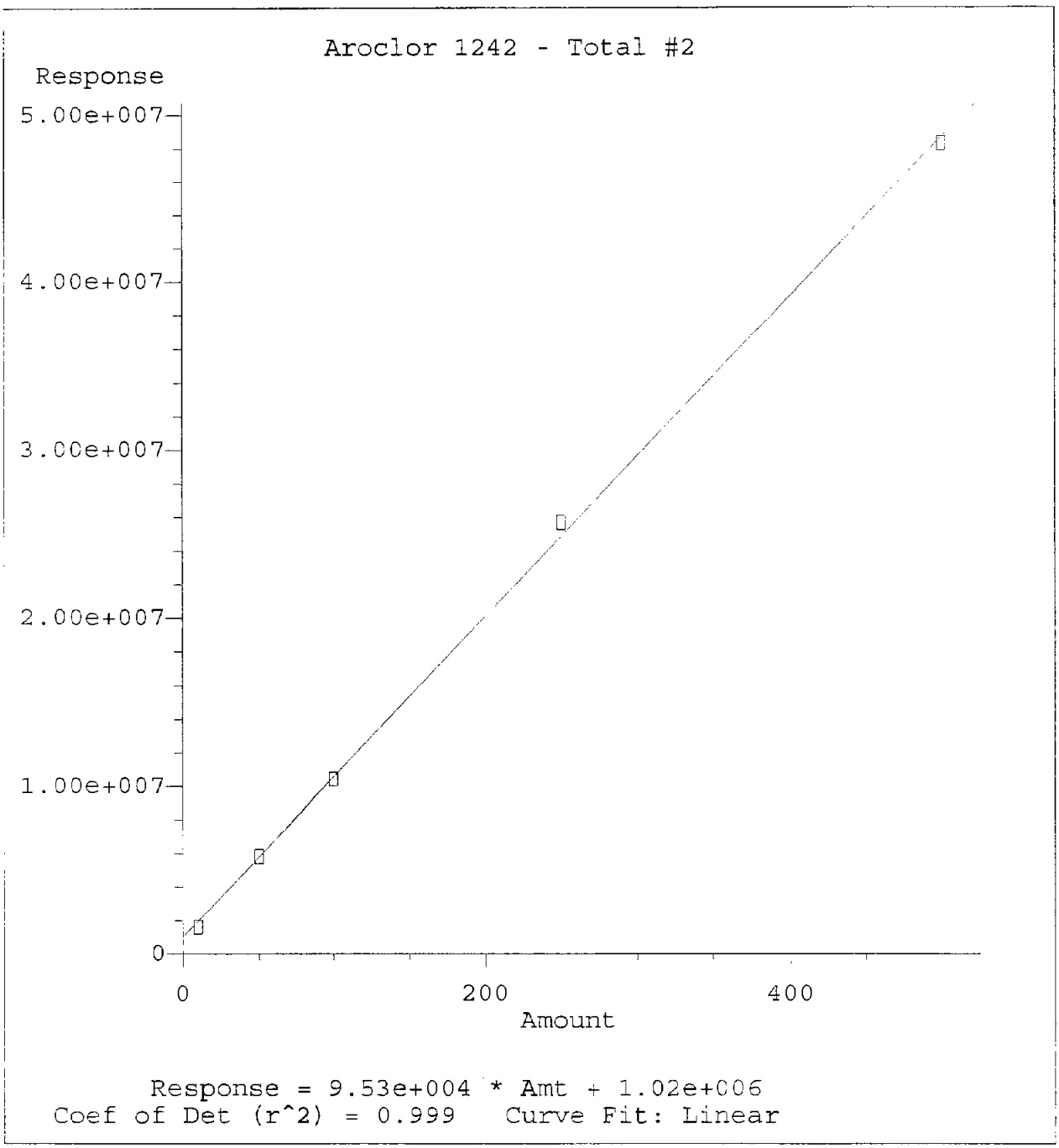
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

008192



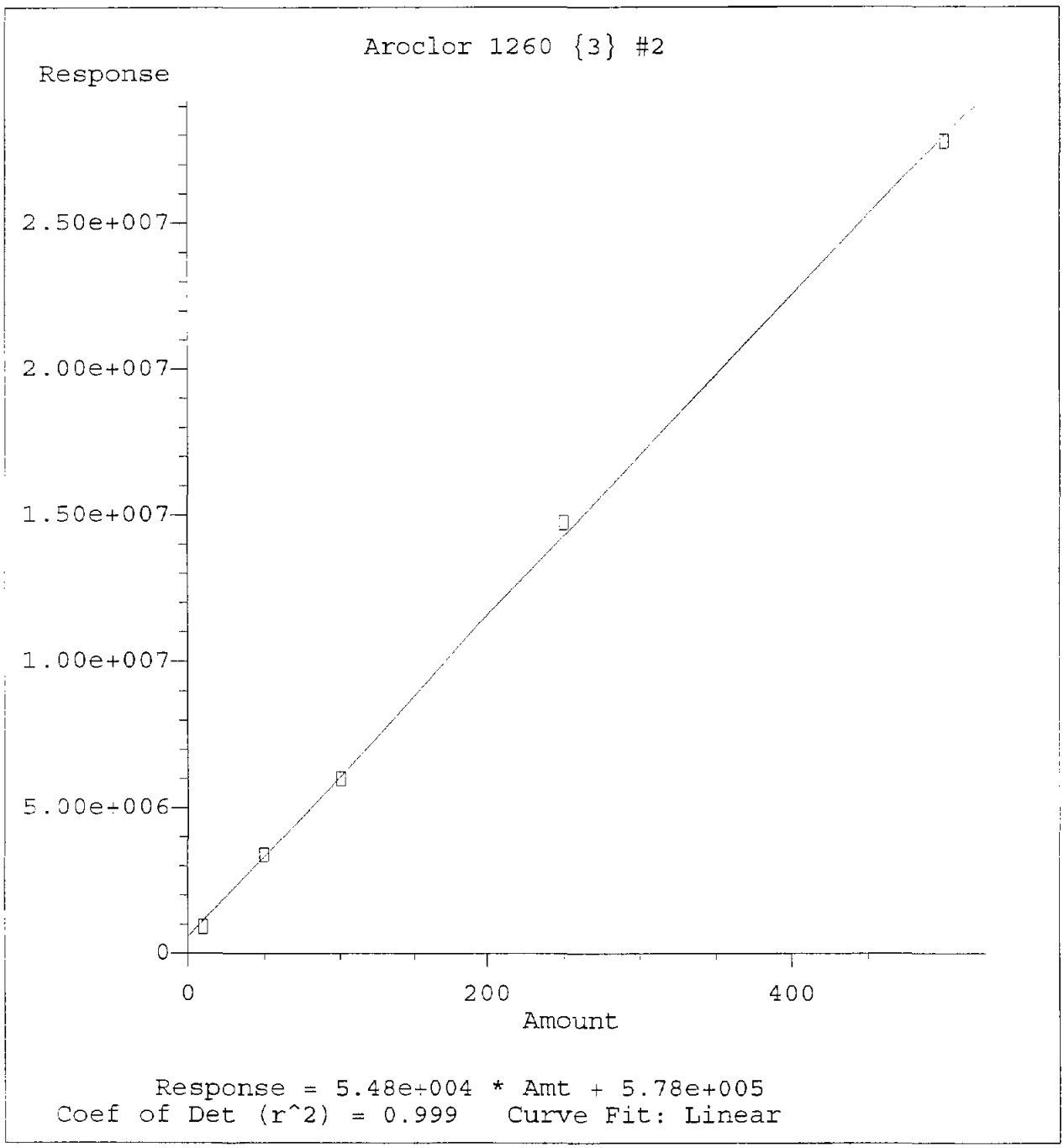
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

008893



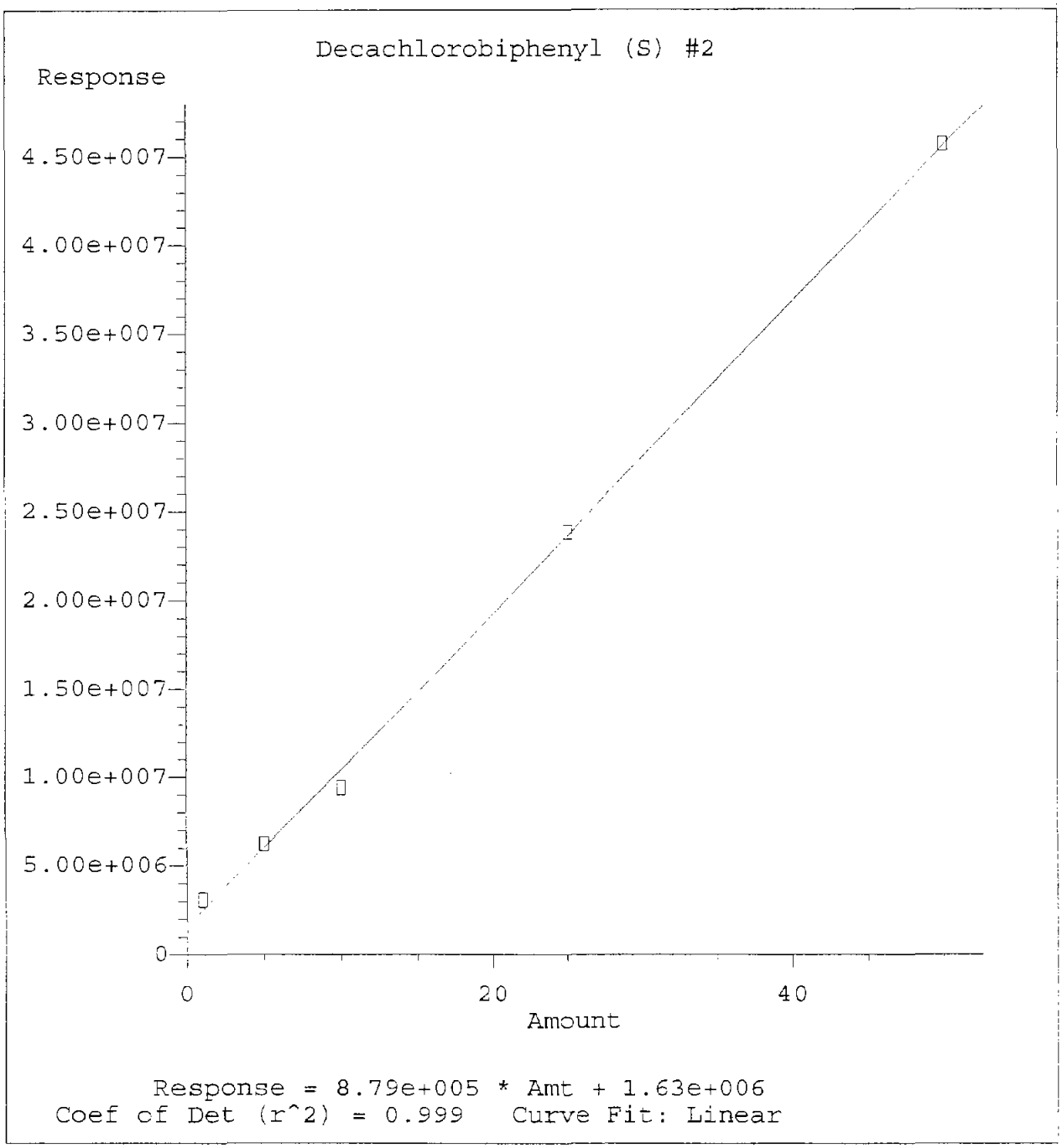
Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

00894



Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

000895



Method Name: Z:\METHODS\42601130.M
Calibration Table Last Updated: Wed Dec 01 11:19:48 2004

96800

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	

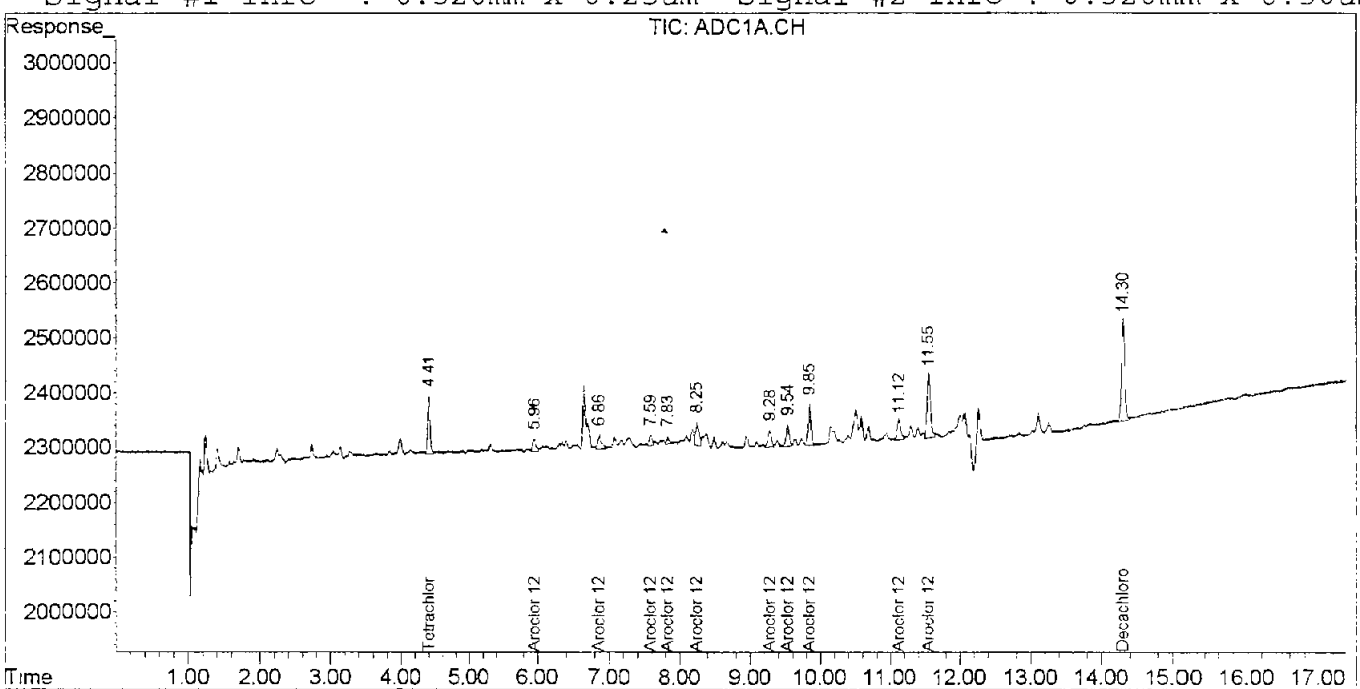
000897

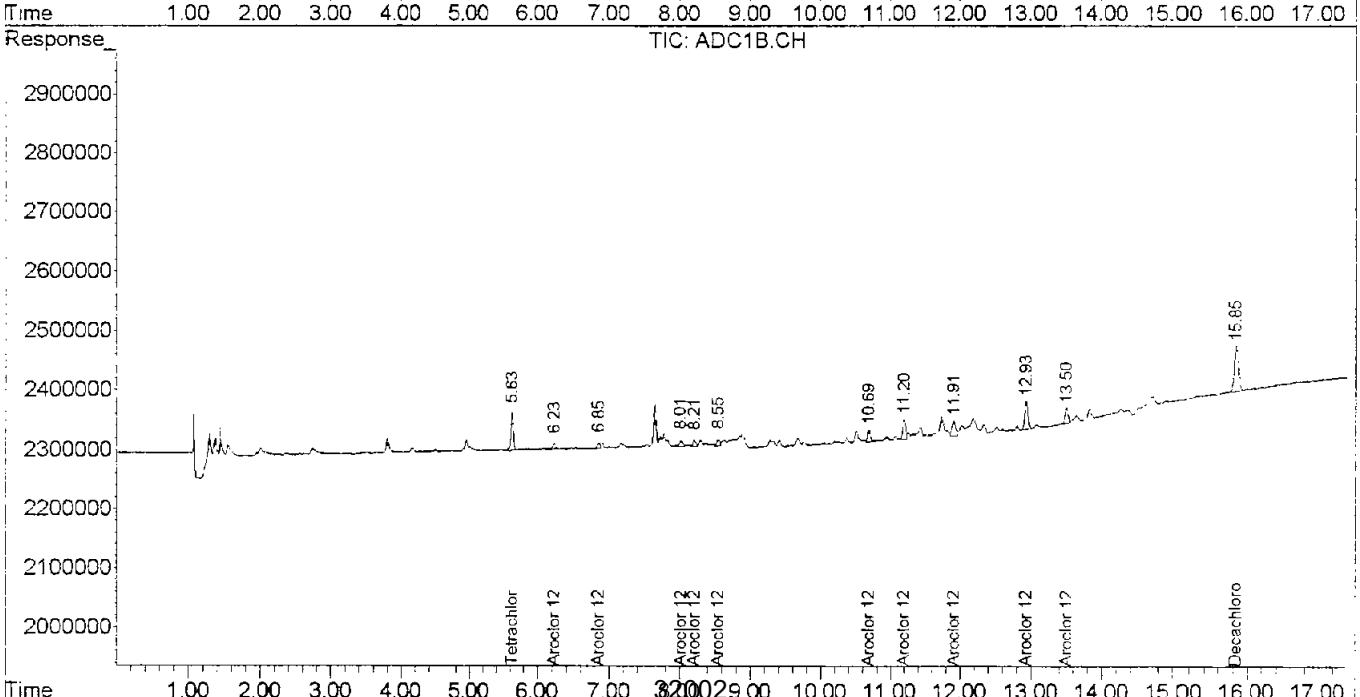
Quantitation Report (Not Reviewed)

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





86800

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

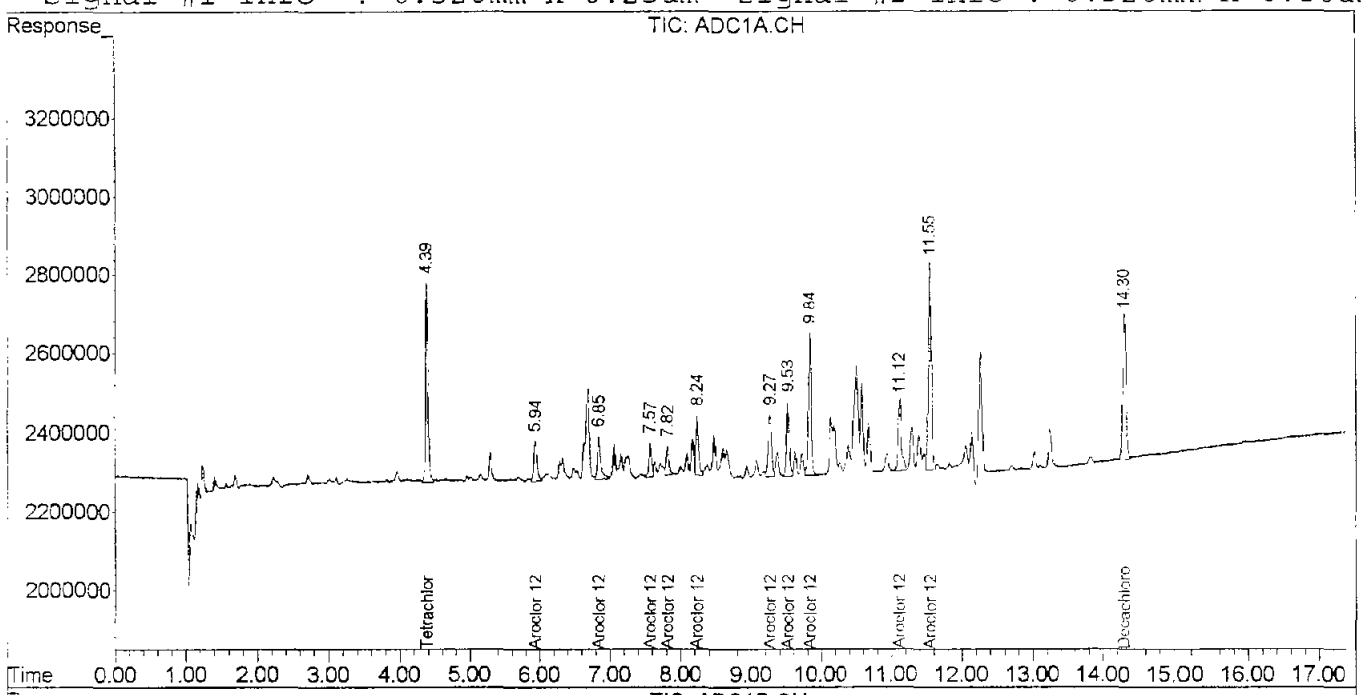
66800

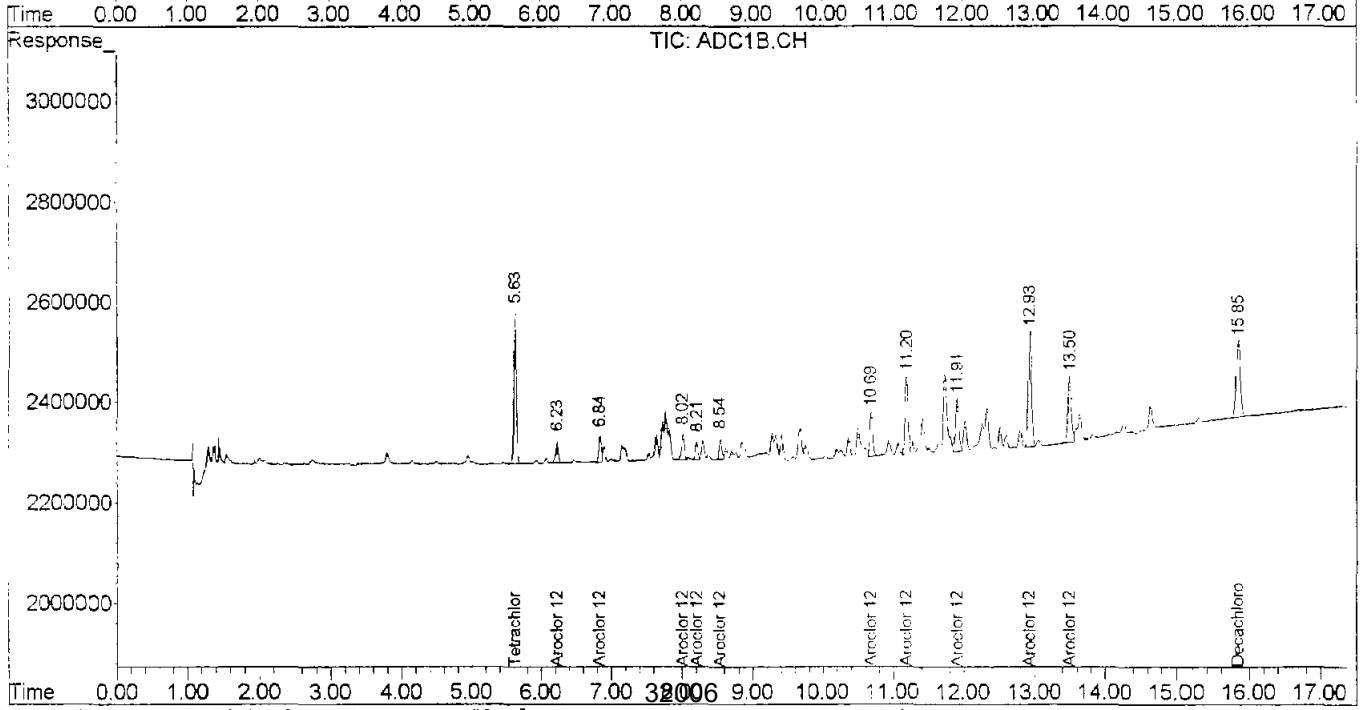
Quantitation Report (Not Reviewed)

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

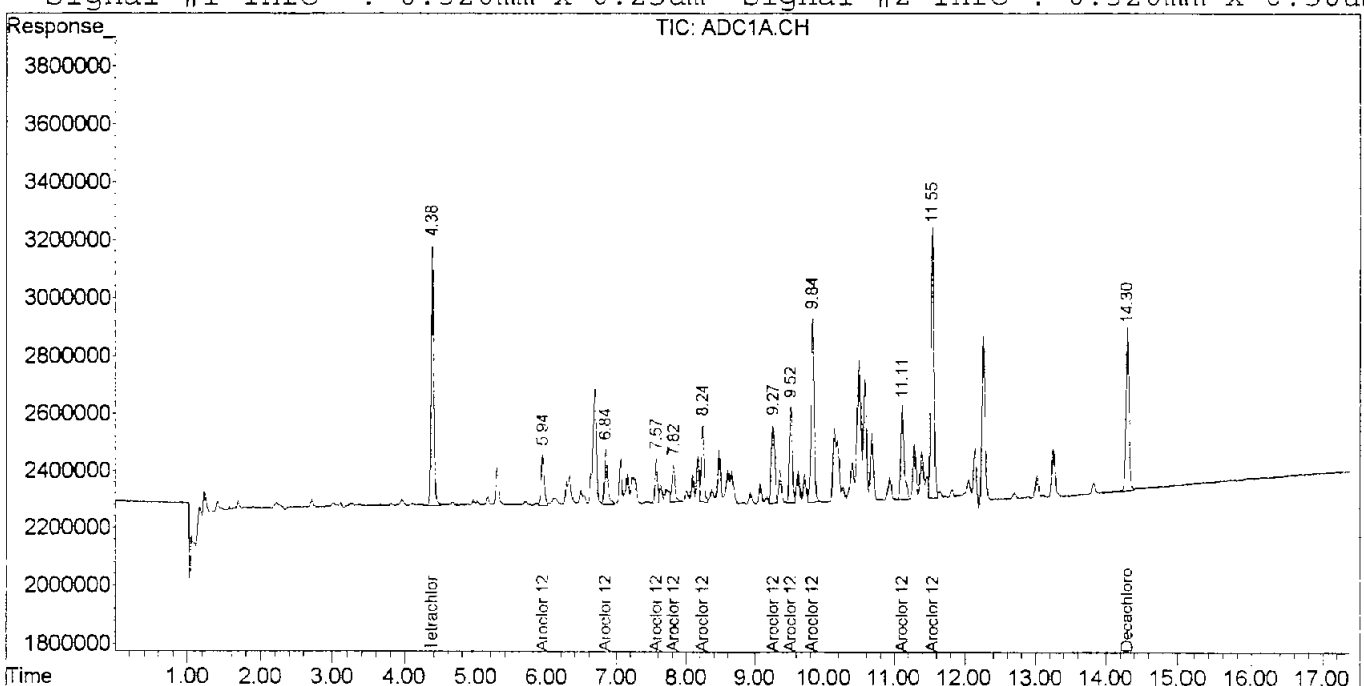
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.38	5.62	22449769	13046482	9.219	9.461
	Spiked Amount 20.000			Recovery	=	46.09%	47.31%
14)	S Decachlorobiphen	14.30	15.85	18408177	9381656	8.865	8.818
	Spiked Amount 20.000			Recovery	=	44.33%	44.09%
	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

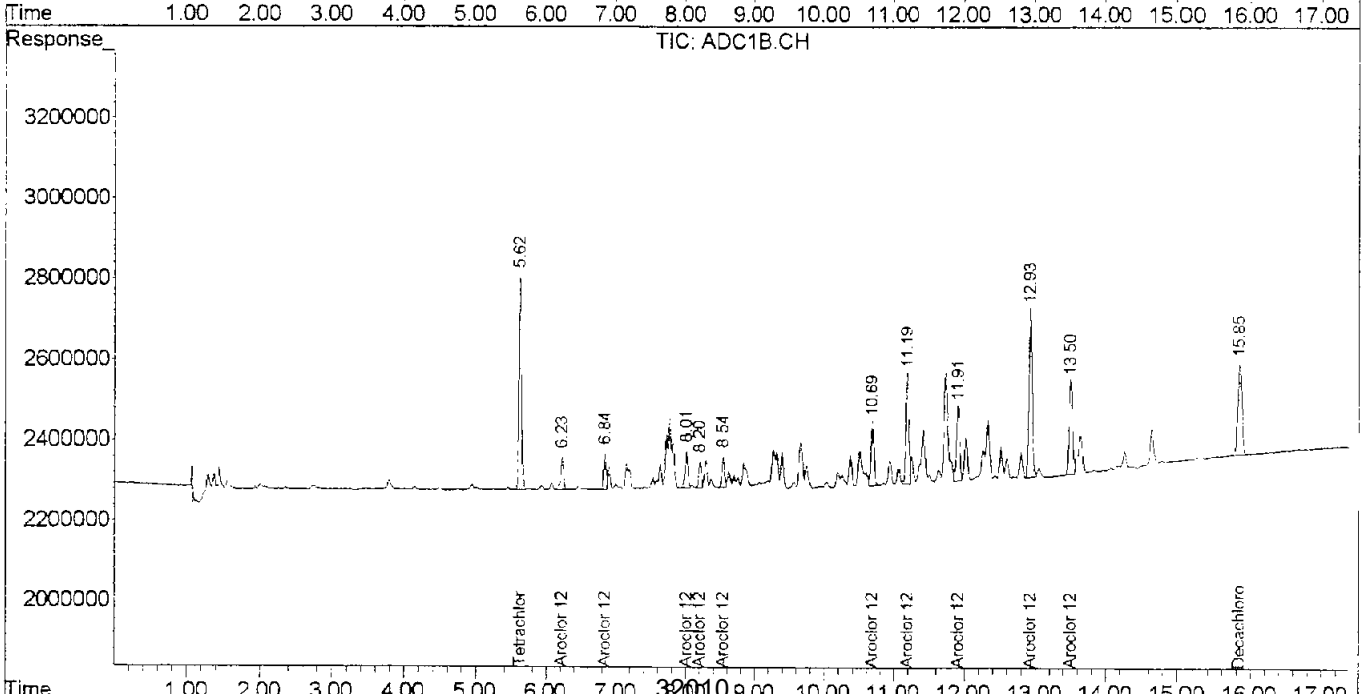
Quantitation Report (Not Reviewed)

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

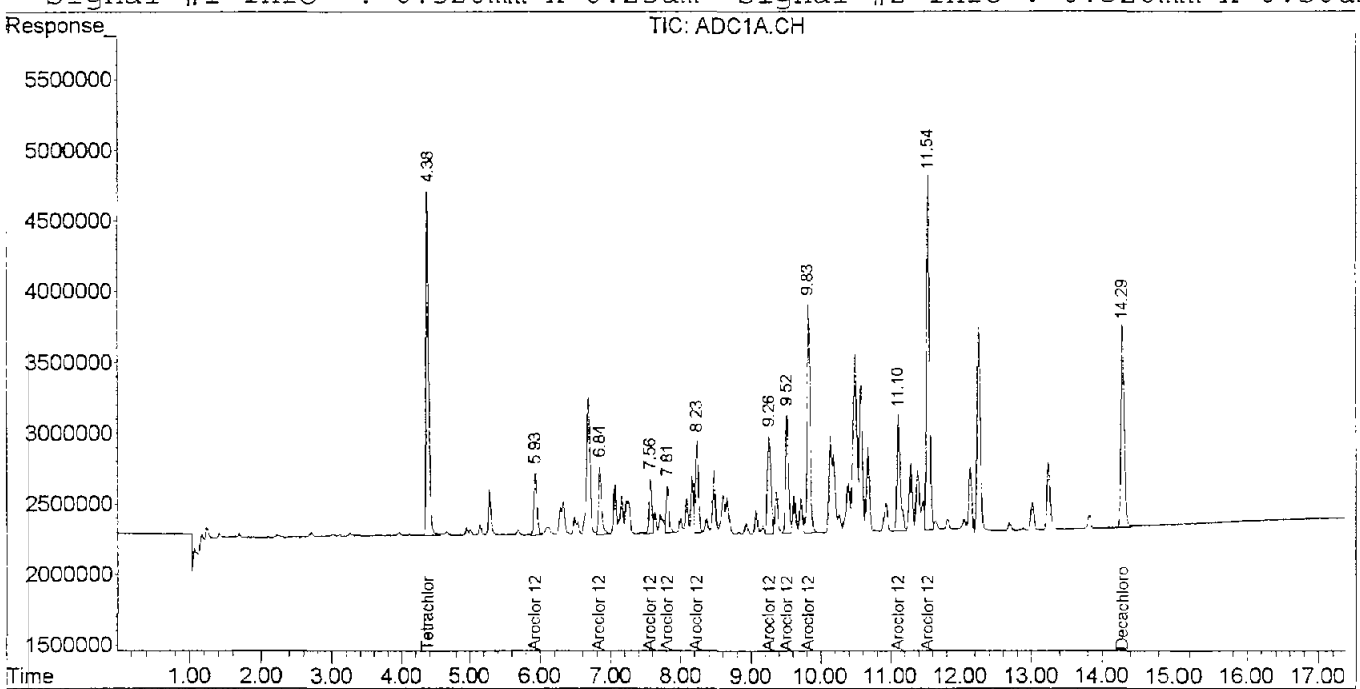
00600

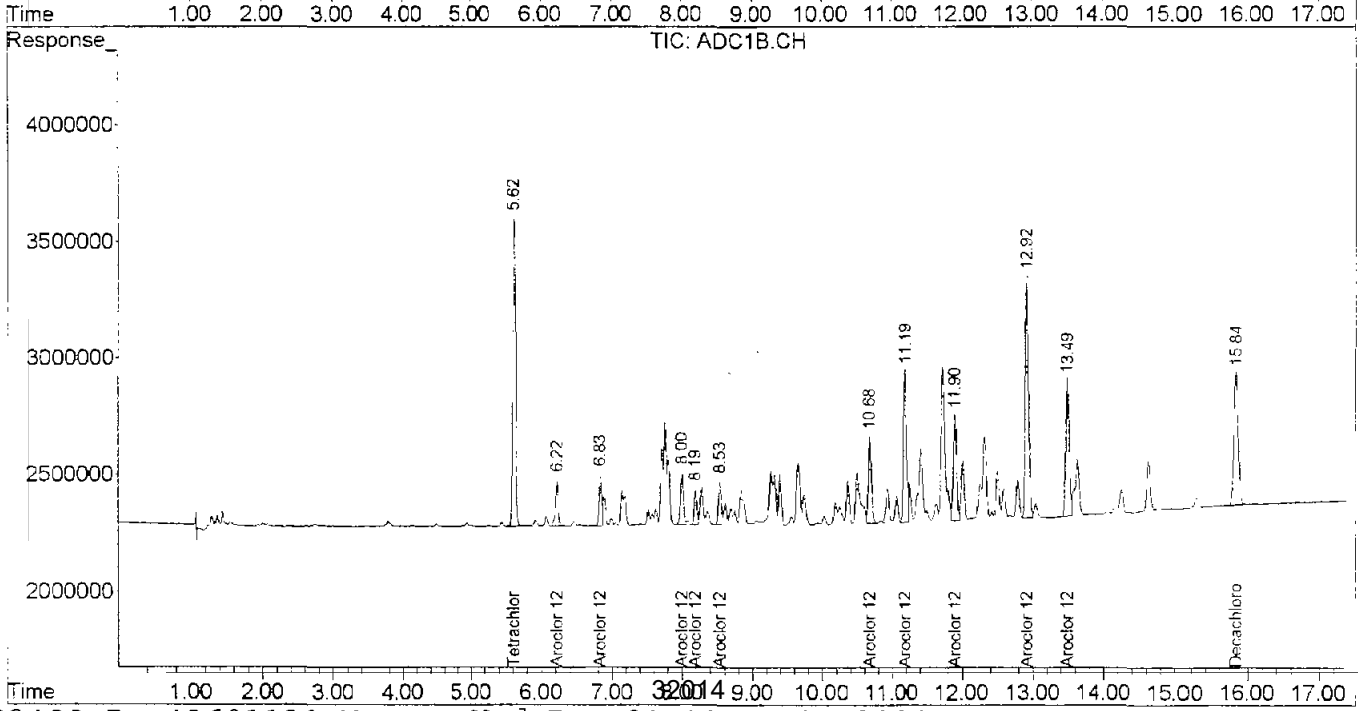
Quantitation Report (Not Reviewed)

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

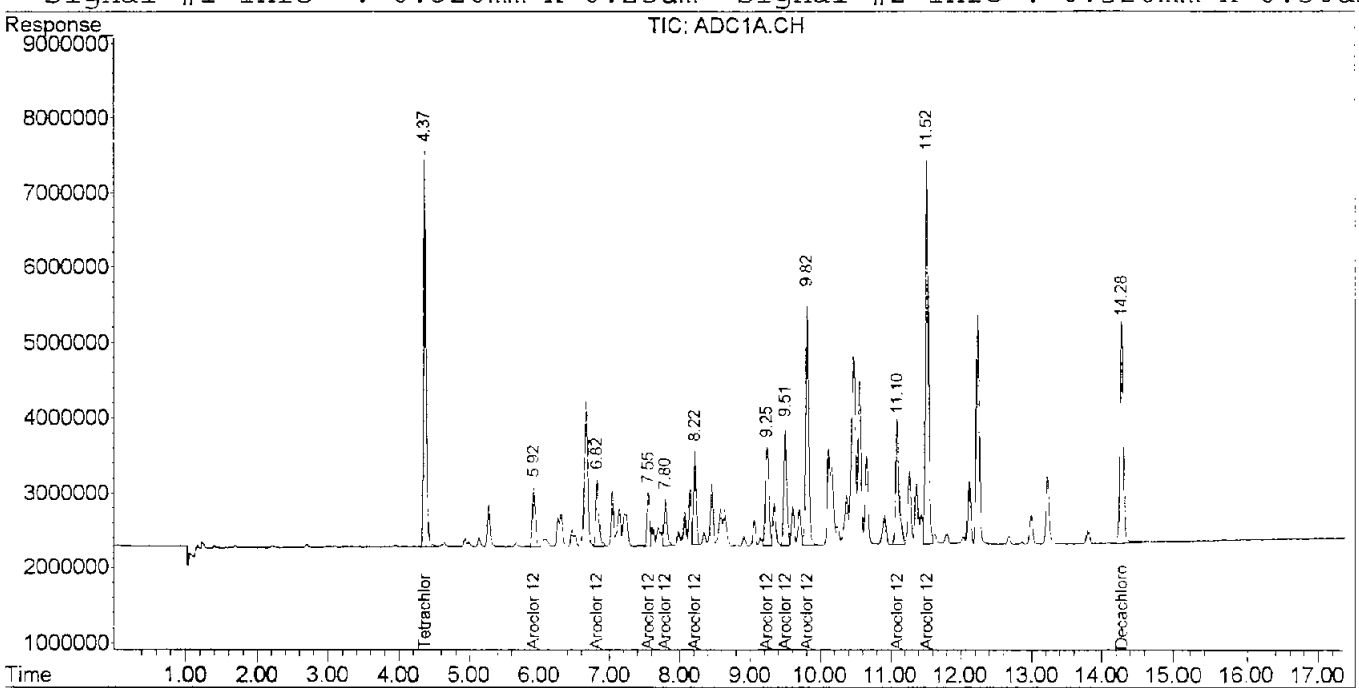
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.37	5.61	122.5E6	62111036	50.300	45.042
	Spiked Amount 20.000			Recovery	=	251.50%	225.21%
14)	S Decachlorobiphen	14.28	15.83	93807347	45663839	50.569	50.081
	Spiked Amount 20.000			Recovery	=	252.85%	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

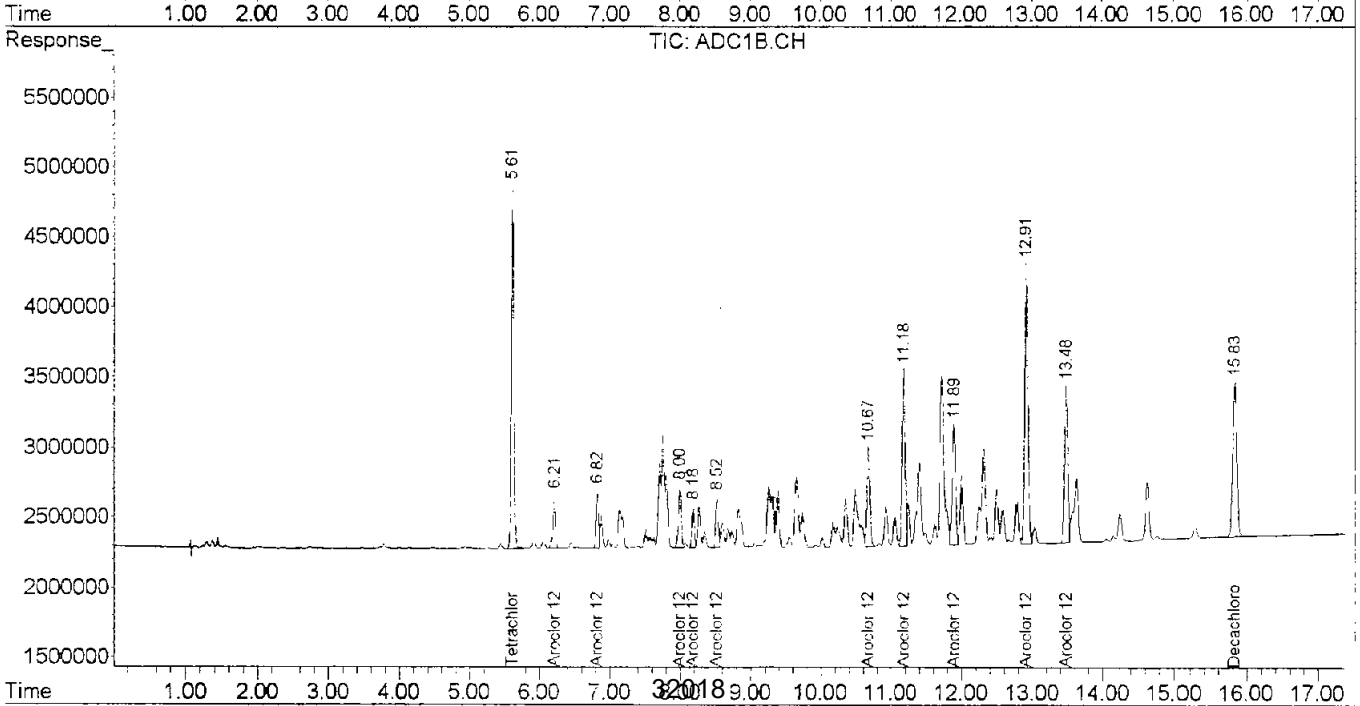
Quantitation Report (Not Reviewed)

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





90600

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

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

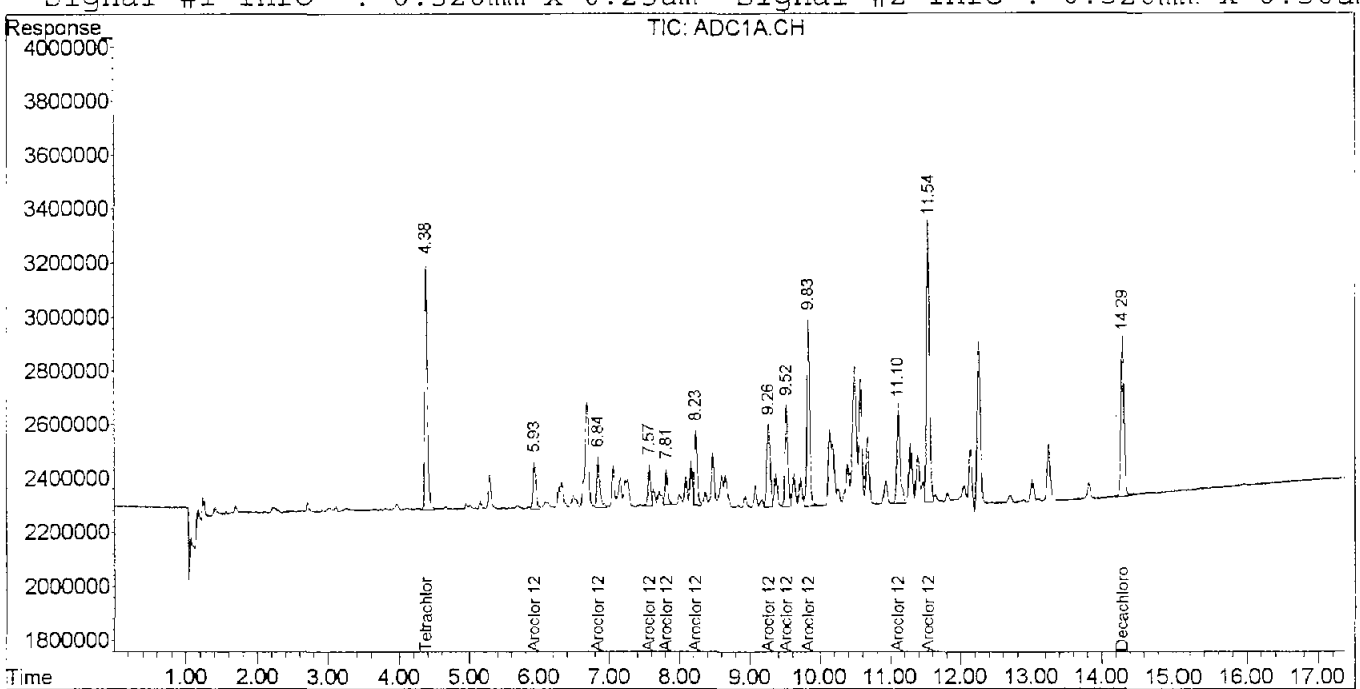
32022
80600

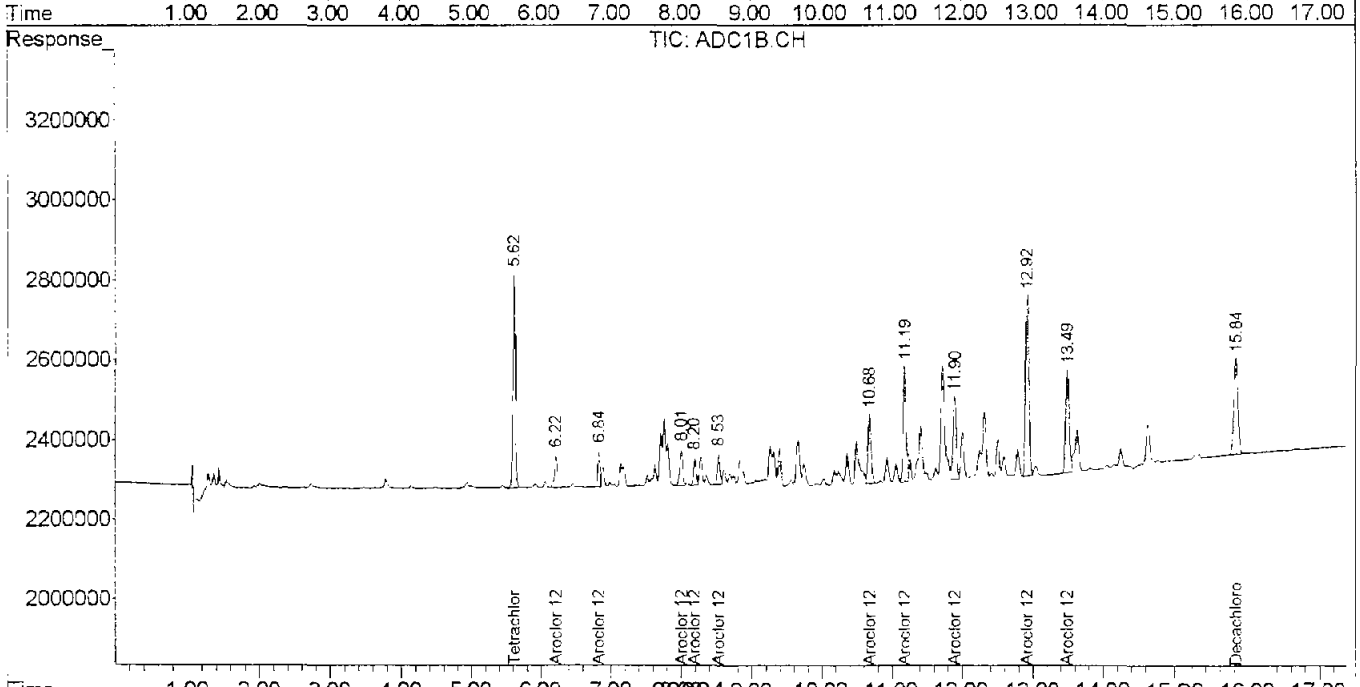
Quantitation Report (Not Reviewed)

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





60600

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

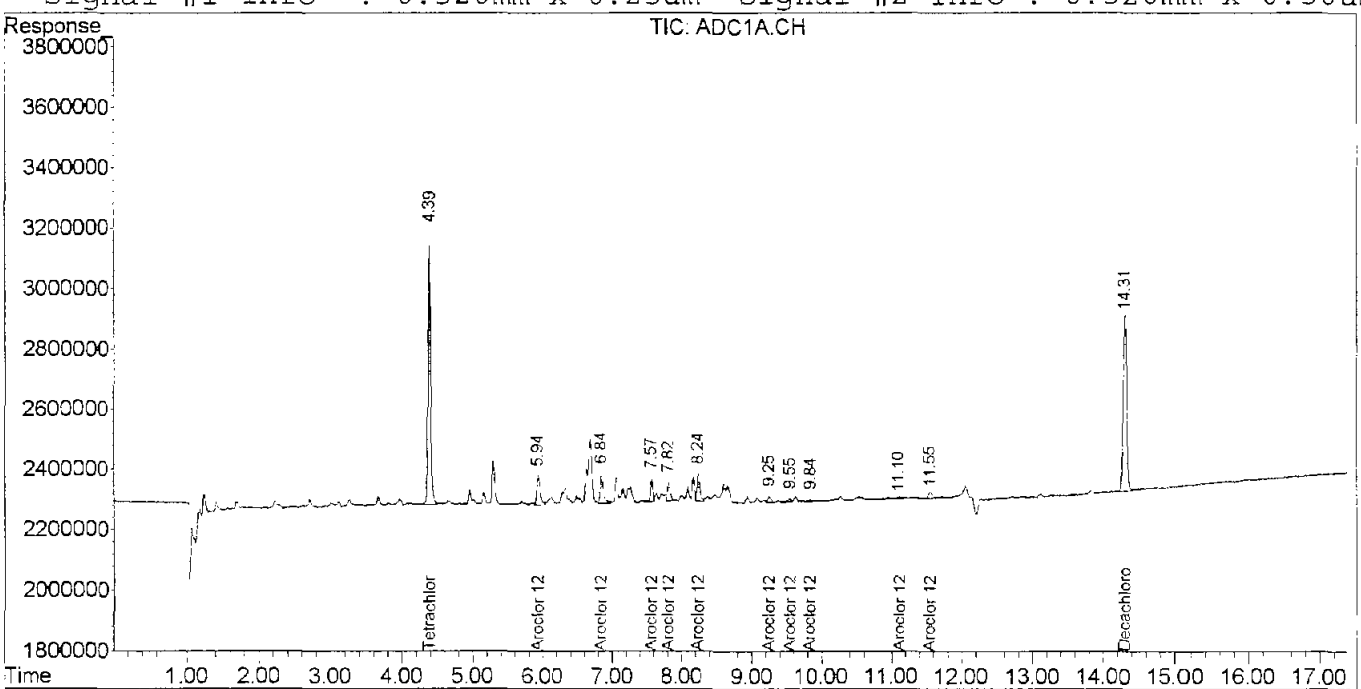
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	S Tetrachloro-m-xy	4.38	5.62	21979512	12656111	9.026	9.178	
	Spiked Amount 20.000			Recovery	=	45.13%	45.89%	
14)	S Decachlorobiphen	14.30	15.85	18474188	9626886	8.901	9.097	
	Spiked Amount 20.000			Recovery	=	44.51%	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	#

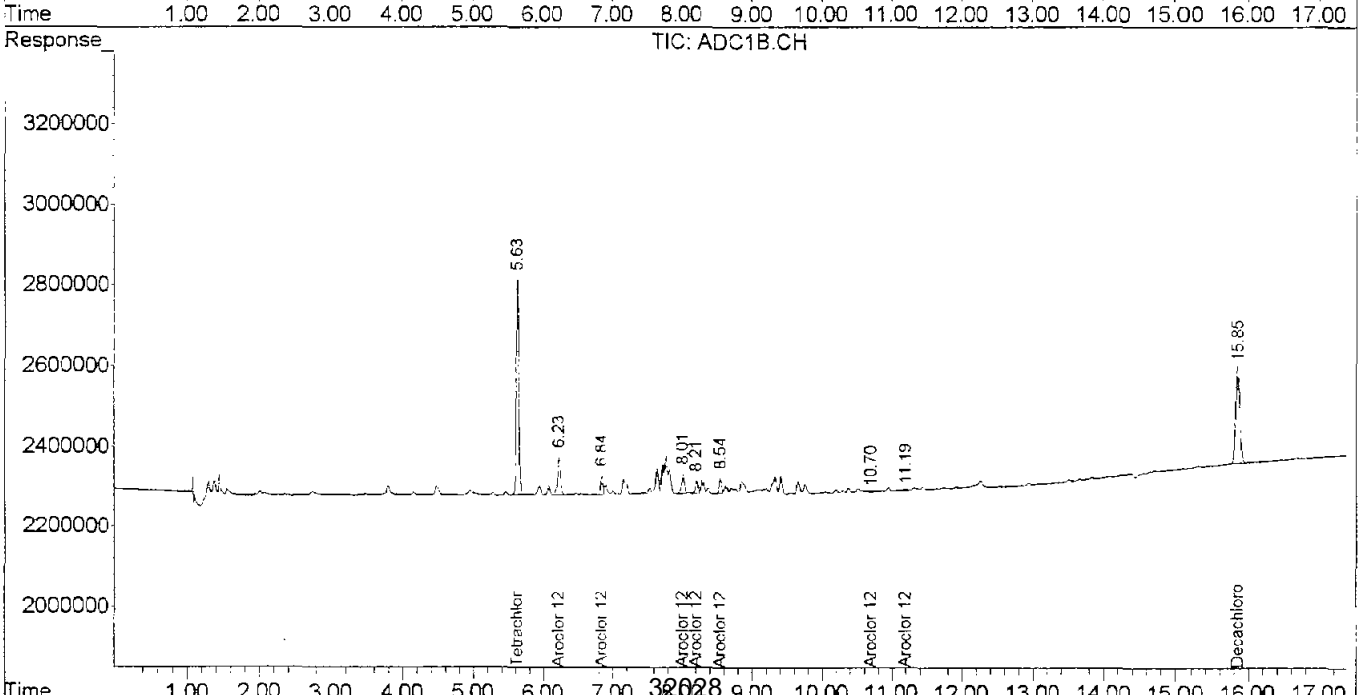
Quantitation Report (Not Reviewed)

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





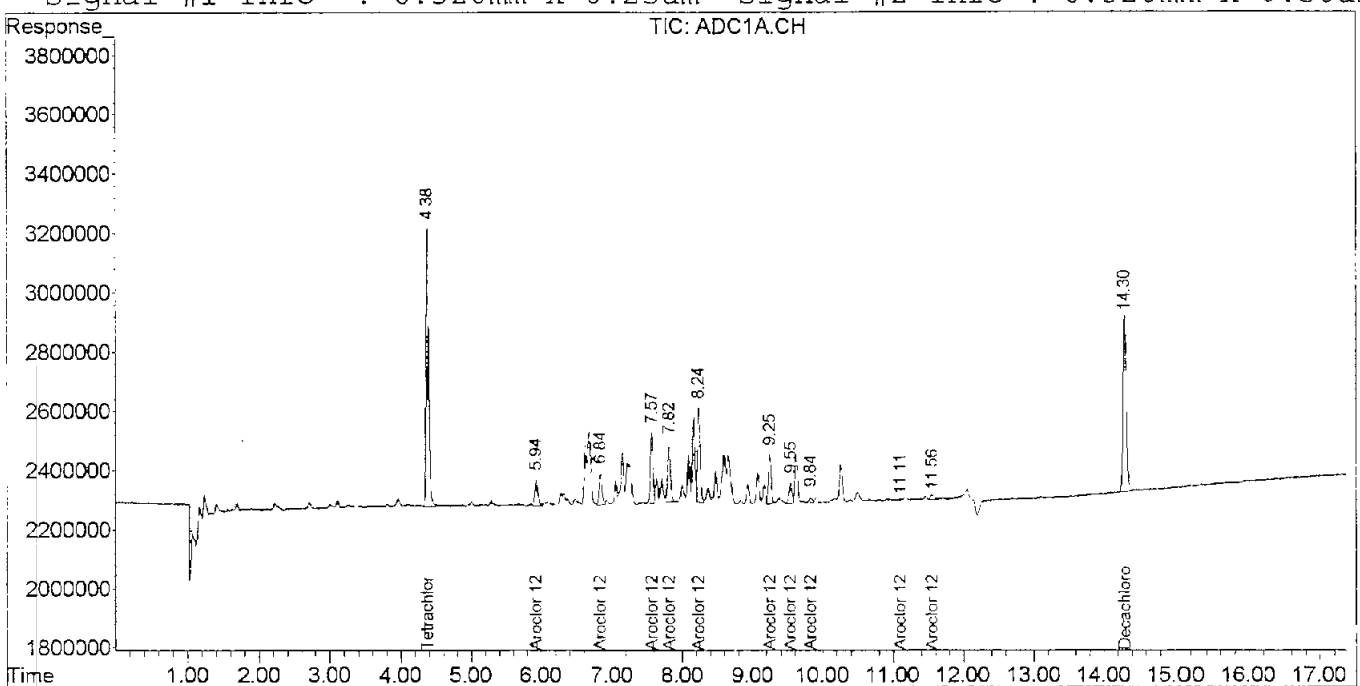
009911

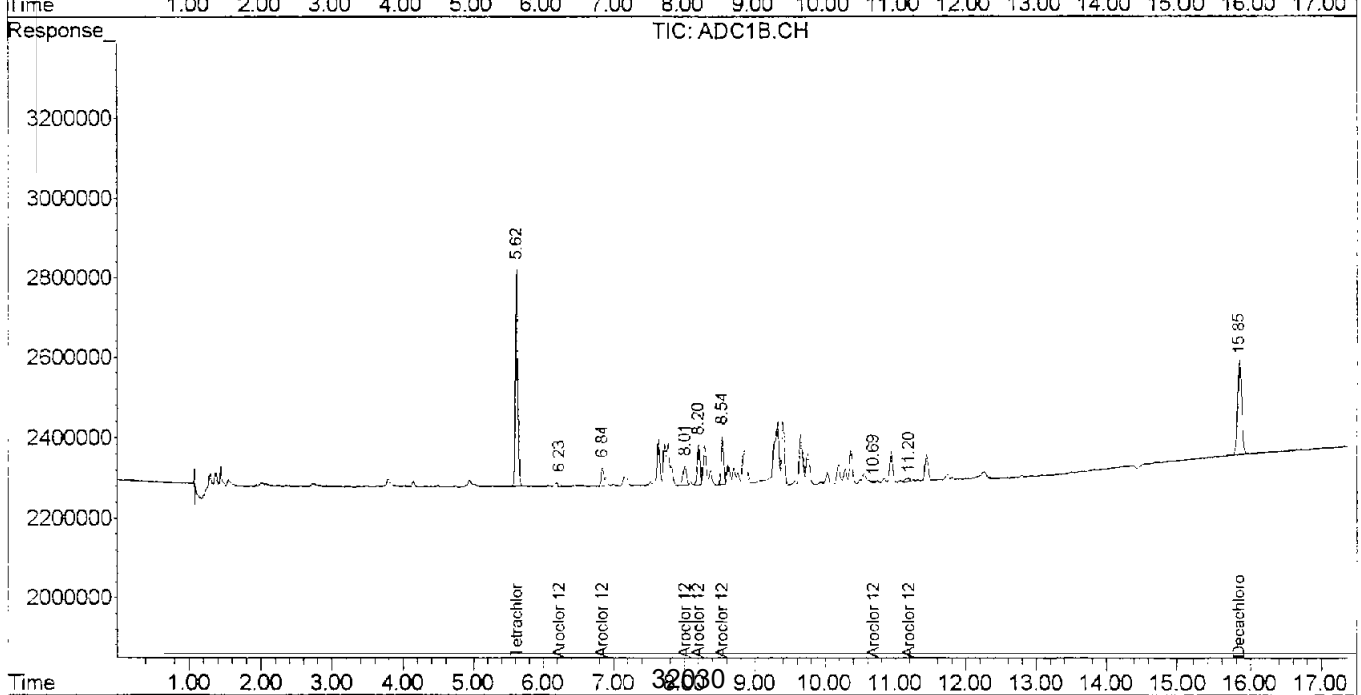
Quantitation Report (Not Reviewed)

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



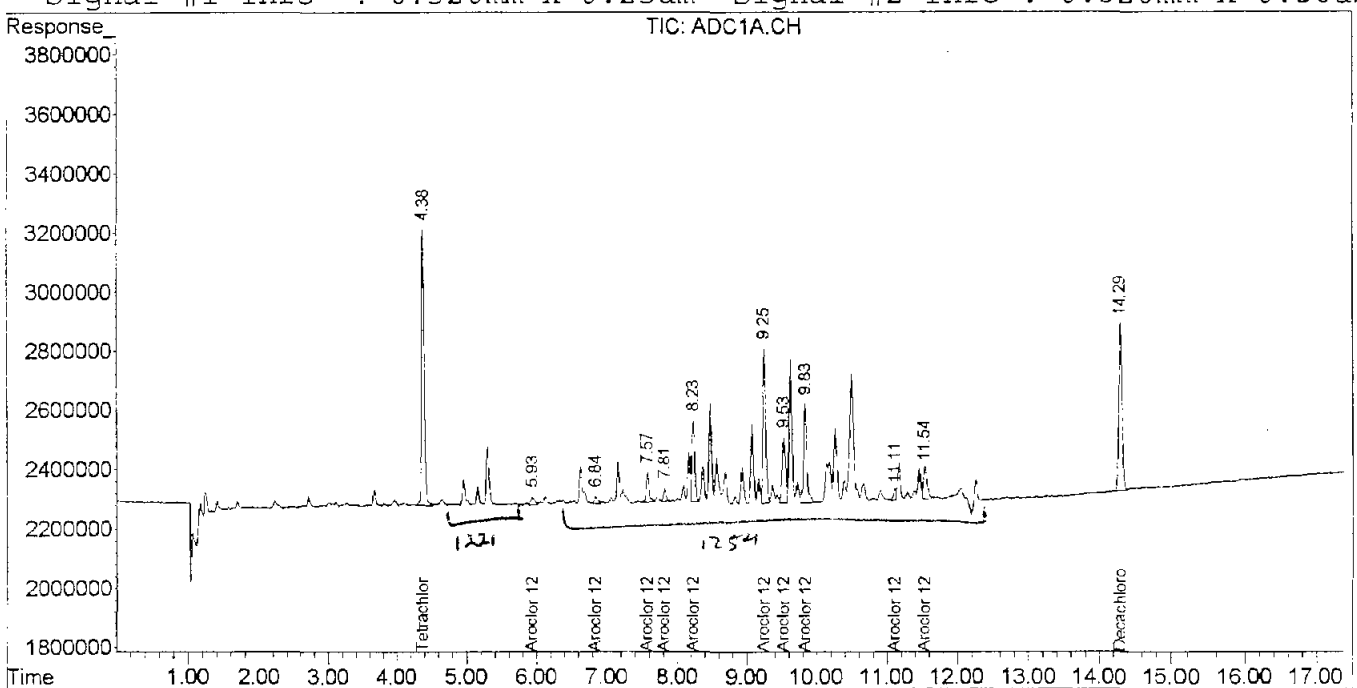


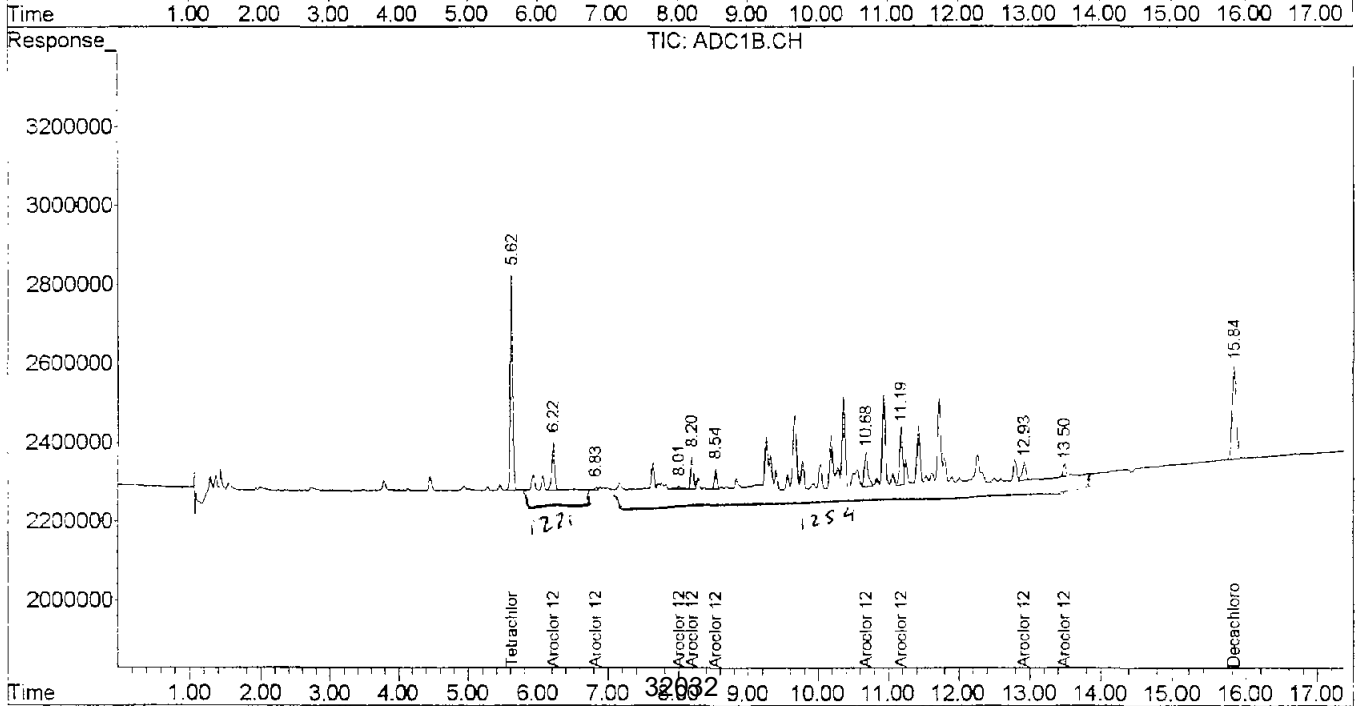
Quantitation Report (Not Reviewed)

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





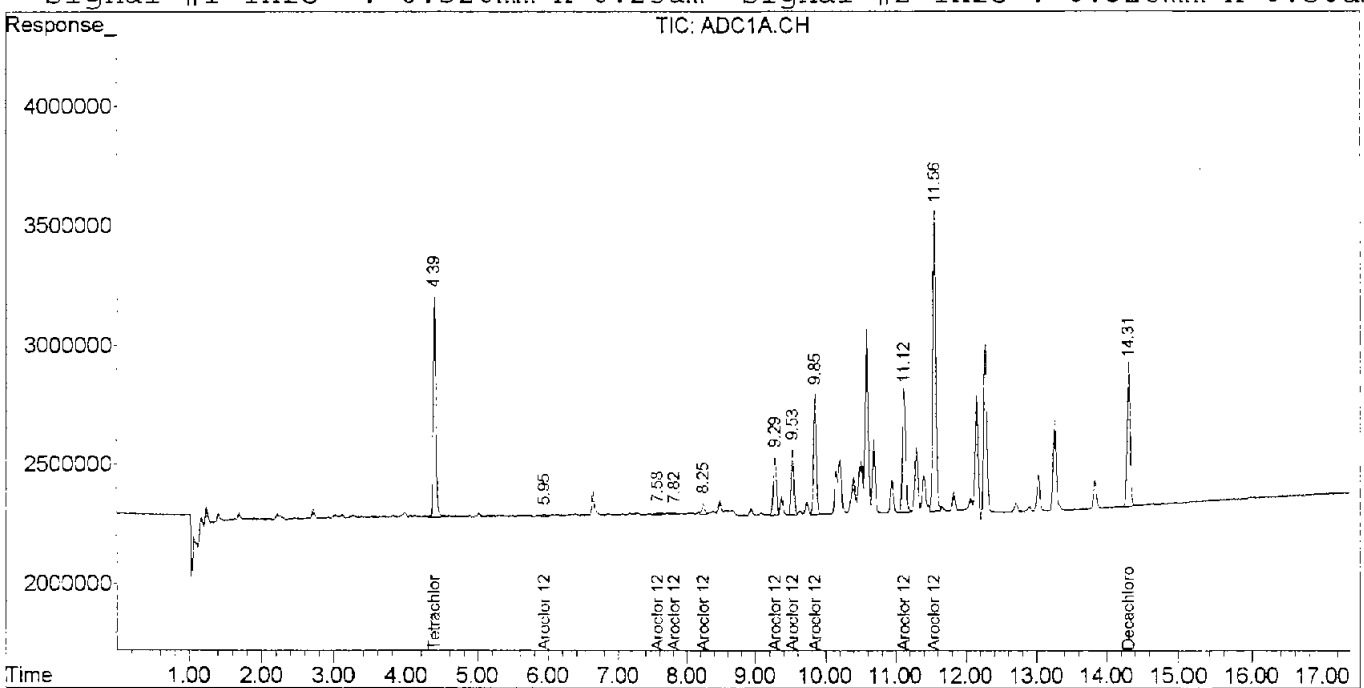
009113

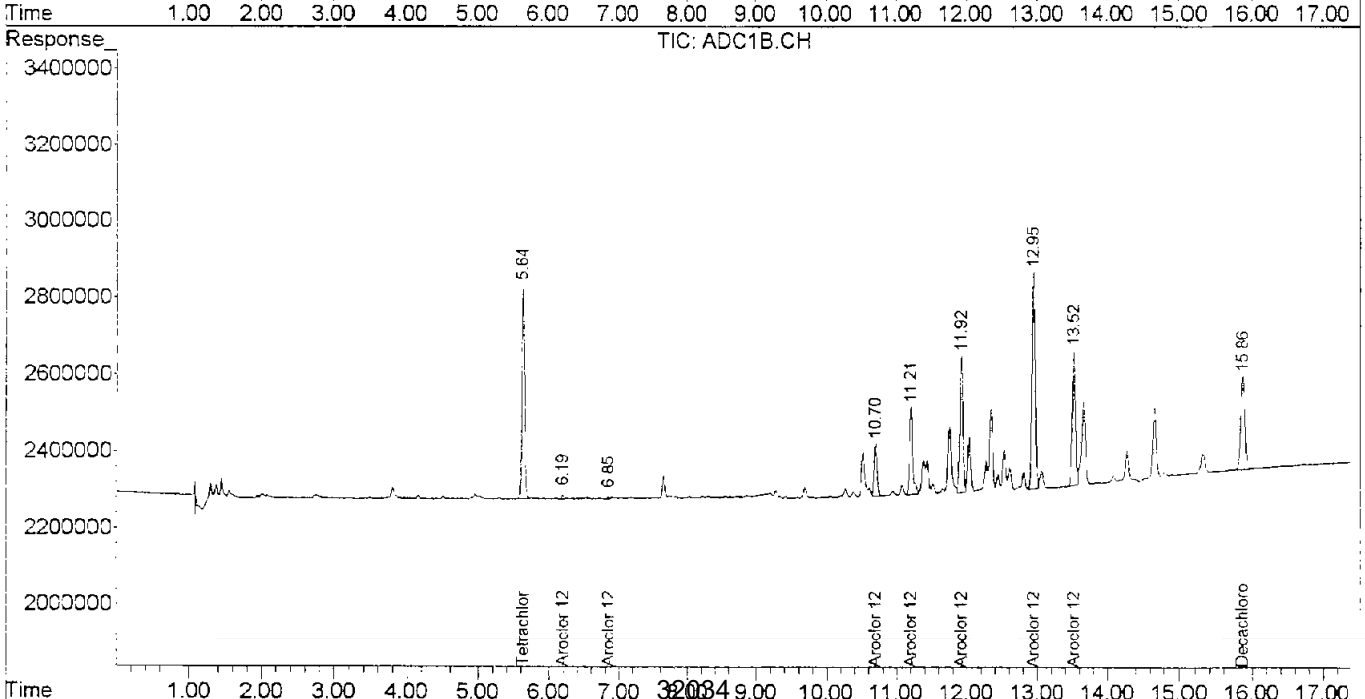
Quantitation Report (Not Reviewed)

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





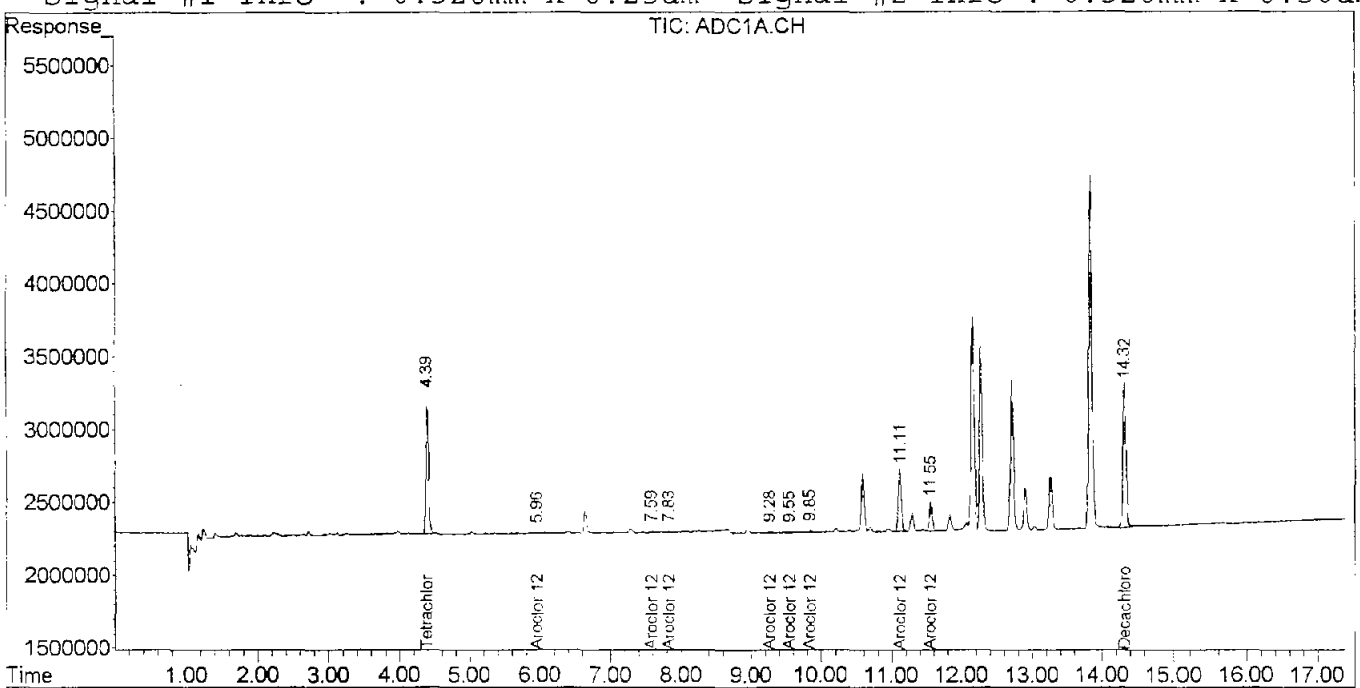
00914

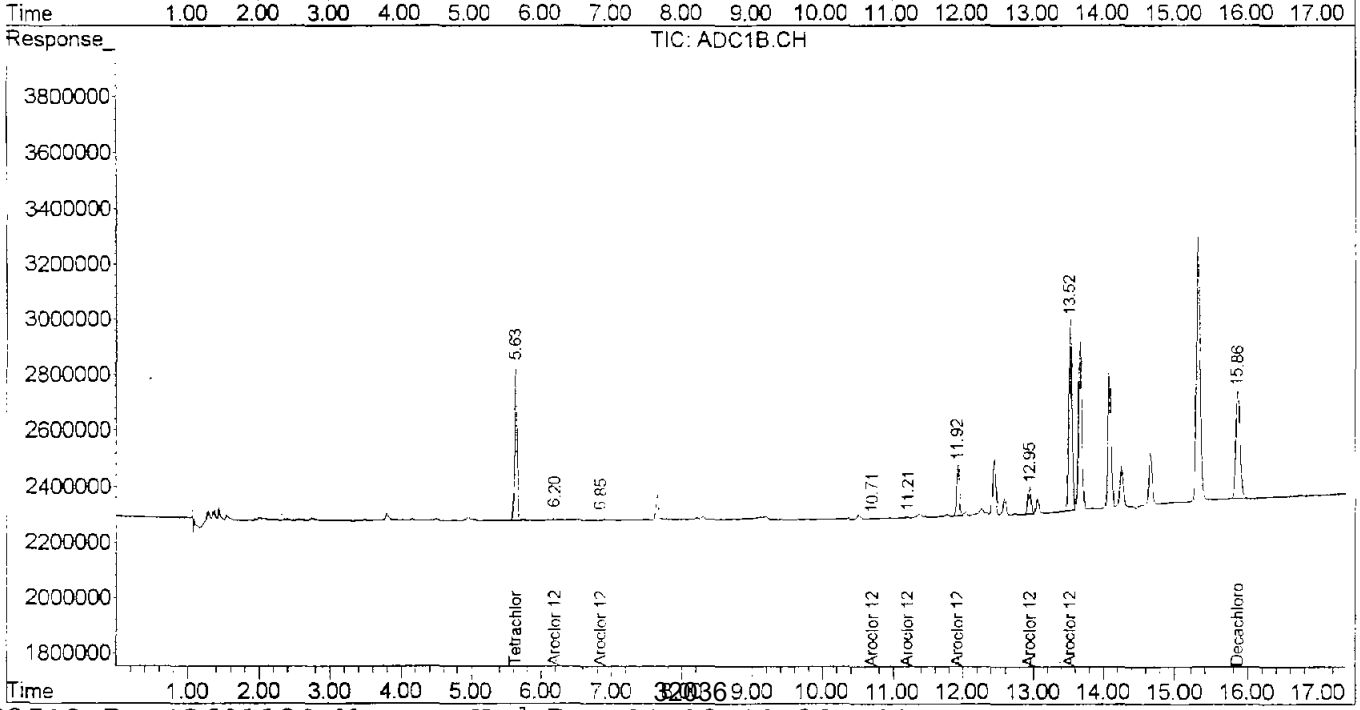
Quantitation Report (Not Reviewed)

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





00915

CONTINUING CALIBRATION

00916

Sequence Log

Directory : z:\Data\PB113004

#	Filename	Sample Name	Date/Time
1	pcb2617.d	100ng/ml 1242/1260 ccv 561-160-1	12/02/04 09:02
2	pcb2619.d	PBW0302 mb liquid #1000 &1	12/02/04 09:42
3	pcb2620.d	PBW0302 bs liquid #1000 &1	12/02/04 10:02
4	pcb2621.d	PBW0302 bsd liquid #1000 &1	12/02/04 10:22
5	pcb2622.d	124925-2 liquid &1	12/02/04 10:42
6	pcb2623.d	124945-1 liquid &1	12/02/04 11:02
7	pcb2624.d	124993-8 liquid &1	12/02/04 11:22
8	pcb2625.d	124993-9 liquid &1	12/02/04 11:42
9	pcb2626.d	124993-11 liquid &1	12/02/04 12:02
10	pcb2627.d	124993-11 ms liquid &1	12/02/04 12:22
11	pcb2628.d	124993-11 msd liquid &1	12/02/04 12:41
12	pcb2631.d	100ng/ml 1242/1260 ccv 561-160-1	12/02/04 13:42
13	pcb2633.d	124993-10 liquid &1	12/02/04 14:22
14	pcb2634.d	124993-14 liquid &1	12/02/04 14:42
15	pcb2635.d	124993-15 liquid &1	12/02/04 15:02
16	pcb2636.d	125010-1 liquid &1	12/02/04 15:22
17	pcb2637.d	125010-2 liquid &1	12/02/04 15:42
18	pcb2638.d	125010-2 ms liquid &1	12/02/04 16:02
19	pcb2639.d	125010-2 msd liquid &1	12/02/04 16:22
20	pcb2642.d	100ng/ml 1242/1260 ccv 561-160-1	12/02/04 17:21

00917

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2617.D\ADC1A.CH Vial: 57
Signal #2 : Z:\DATA\PB113004\PCB2617.D\ADC1B.CH
Acq On : 2 Dec 2004 9:02 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 2 9:54 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	21770666	12539863	8.940	9.094
	Spiked Amount 20.000			Recovery	=	44.70%	45.47%
14) S	Decachlorobiphen	14.30	15.84	20242178	10544647	9.879	10.141
	Spiked Amount 20.000			Recovery	=	49.40%	50.70%
	Target Compounds						
2) L3	Aroclor 1242	5.94	6.23	5654241	2094233	90.732	89.260
3) L3	Aroclor 1242 {2}	6.85	6.84	5418946	2057625	90.118	96.410
4) L3	Aroclor 1242 {3}	7.57	8.01	3736095	2657796	86.659	100.582
5) L3	Aroclor 1242 {4}	7.82	8.21	3738929	1603019	100.881	97.914
6) L3	Aroclor 1242 {5}	8.24	8.54	7155968	1974220	95.740	99.968
7) L3	Aroclor 1242 - T	0.00	0.00	25704179	10386894	95.232m	98.310m
8) L4	Aroclor 1260	9.27	10.69	10434965	5053308	102.180	101.538
9) L4	Aroclor 1260 {2}	9.52	11.20	9923378	8876552	97.140	102.207
10) L4	Aroclor 1260 {3}	9.84	11.91	19692435	6306174	100.524	104.517
11) L4	Aroclor 1260 {4}	11.11	12.93	12121092	14112792	100.944	102.963
12) L4	Aroclor 1260 {5}	11.54	13.50	29589268	8443496	90.920	108.683
13) L4	Aroclor 1260 - T	0.00	0.00	81761139	42792322	96.679m	102.384m

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2617.D\ADC1A.CH Vial: 57
Signal #2 : Z:\DATA\PB113004\PCB2617.D\ADC1B.CH
Acq On : 2 Dec 2004 9:02 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	8.940	10.6	0	0.04
2	L1	Aroclor 1242	100.000	90.732	9.3	0	0.04
3	L1	Aroclor 1242 {2}	100.000	90.118	9.9	0	0.04
4	L1	Aroclor 1242 {3}	100.000	86.659	13.3	0	0.04
5	L1	Aroclor 1242 {4}	100.000	100.881	-0.9	0	0.04
6	L1	Aroclor 1242 {5}	100.000	95.740	4.3	0	0.04
7	L1	Aroclor 1242 - Total	100.000	95.232	4.8	0	-0.61#
8	L2	Aroclor 1260	100.000	102.180	-2.2	0	0.05
9	L2	Aroclor 1260 {2}	100.000	97.140	2.9	0	0.05
10	L2	Aroclor 1260 {3}	100.000	100.524	-0.5	0	0.05
11	L2	Aroclor 1260 {4}	100.000	100.944	-0.9	0	0.05
12	L2	Aroclor 1260 {5}	100.000	90.920	9.1	0	0.05
13	L2	Aroclor 1260 - Total	100.000	96.679	3.3	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.879	1.2	0	0.05

Signal #2

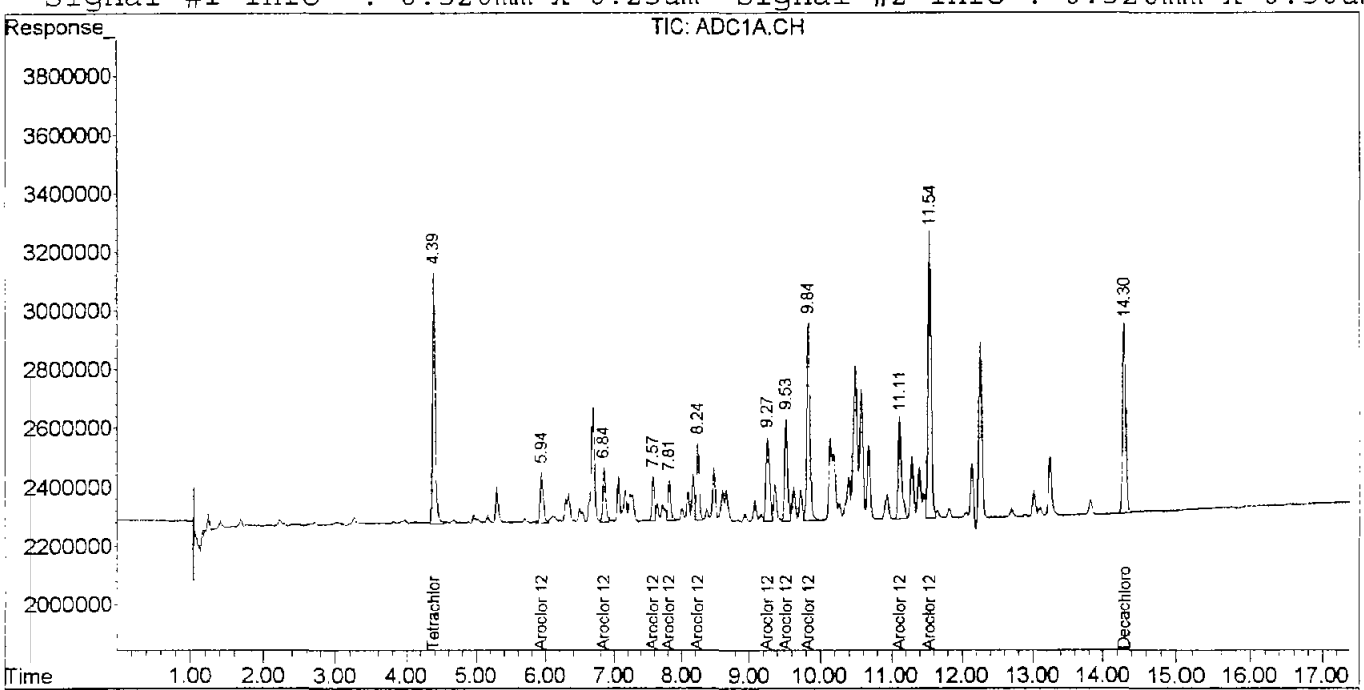
1	S	Tetrachloro-m-xylene (S)	10.000	9.094	9.1	0	0.04
2	L3	Aroclor 1242	100.000	89.260	10.7	0	0.04
3	L3	Aroclor 1242 {2}	100.000	96.410	3.6	0	0.04
4	L3	Aroclor 1242 {3}	100.000	100.582	-0.6	0	0.04
5	L3	Aroclor 1242 {4}	100.000	97.914	2.1	0	0.04
6	L3	Aroclor 1242 {5}	100.000	99.968	0.0	0	0.04
7	L3	Aroclor 1242 - Total	100.000	98.310	1.7	0	-0.61#
8	L4	Aroclor 1260	100.000	101.538	-1.5	0	0.04
9	L4	Aroclor 1260 {2}	100.000	102.207	-2.2	0	0.04
10	L4	Aroclor 1260 {3}	100.000	104.517	-4.5	0	0.04
11	L4	Aroclor 1260 {4}	100.000	102.963	-3.0	0	0.03
12	L4	Aroclor 1260 {5}	100.000	108.683	-8.7	0	0.03
13	L4	Aroclor 1260 - Total	100.000	102.384	-2.4	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	10.141	-1.4	0	0.04

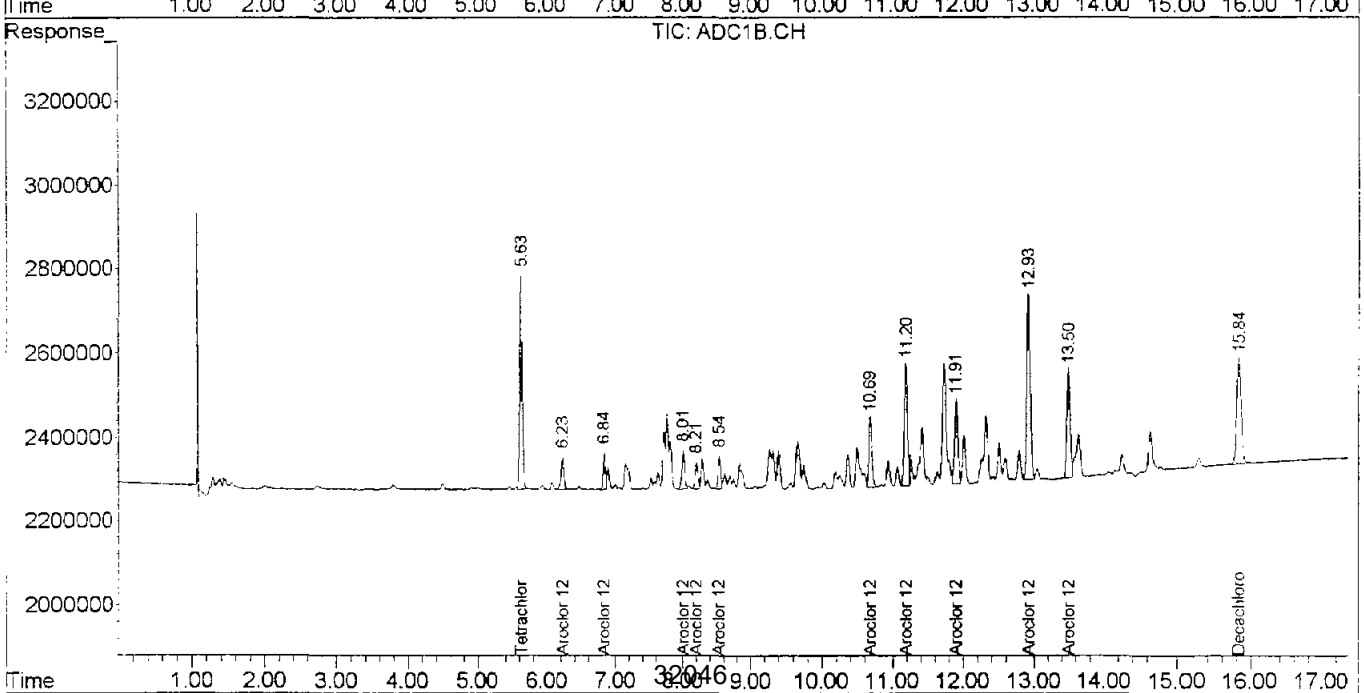
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2617.D\ADC1A.CH Vial: 57
Signal #2 : Z:\DATA\PB113004\PCB2617.D\ADC1B.CH
Acq On : 2 Dec 2004 9:02 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 2 9:54 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





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Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2631.D\ADC1A.CH Vial: 71
Signal #2 : Z:\DATA\PB113004\PCB2631.D\ADC1B.CH
Acq On : 2 Dec 2004 1:42 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 14:14:05 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	4.38	5.62	21377367	12773891	8.778	9.264
	Spiked Amount 20.000			Recovery =		43.89%	46.32%
14)	S Decachlorobiphen	14.29	15.83	19359803	9979024	9.391	9.497
	Spiked Amount 20.000			Recovery =		46.96%	47.48%
	Target Compounds						
2)	L3 Aroclor 1242	5.93	6.22	5577855	2169057	89.506	92.449
3)	L3 Aroclor 1242 {2}	6.83	6.83	5312089	2080635	88.070	97.488
4)	L3 Aroclor 1242 {3}	7.56	8.00	3848516	2673891	89.266	101.248
5)	L3 Aroclor 1242 {4}	7.80	8.19	3647972	1677559	98.427	103.168
6)	L3 Aroclor 1242 {5}	8.23	8.53	6780766	1962003	89.884	99.283
7)	L3 Aroclor 1242 - T	0.00	0.00	25167198	10563144	92.980m	100.160m
8)	L4 Aroclor 1260	9.26	10.68	10143676	4903708	99.328	98.532
9)	L4 Aroclor 1260 {2}	9.51	11.18	9575049	8568735	93.730	98.662
10)	L4 Aroclor 1260 {3}	9.82	11.90	19373360	6129146	98.895	101.287
11)	L4 Aroclor 1260 {4}	11.10	12.92	11513397	13774719	95.883	100.496
12)	L4 Aroclor 1260 {5}	11.53	13.49	28564260	8180220	87.770	105.294
13)	L4 Aroclor 1260 - T	0.00	0.00	79169743	41556527	93.615m	99.427m

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2631.D\ADC1A.CH Vial: 71
Signal #2 : Z:\DATA\PB113004\PCB2631.D\ADC1B.CH
Acq On : 2 Dec 2004 1:42 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	8.778	12.2	0	0.03
2	L1	Aroclor 1242	100.000	89.506	10.5	0	0.03
3	L1	Aroclor 1242 {2}	100.000	88.070	11.9	0	0.03
4	L1	Aroclor 1242 {3}	100.000	89.266	10.7	0	0.03
5	L1	Aroclor 1242 {4}	100.000	98.427	1.6	0	0.03
6	L1	Aroclor 1242 {5}	100.000	89.884	10.1	0	0.03
7	L1	Aroclor 1242 - Total	100.000	92.980	7.0	0	-0.61#
8	L2	Aroclor 1260	100.000	99.328	0.7	0	0.04
9	L2	Aroclor 1260 {2}	100.000	93.730	6.3	0	0.04
10	L2	Aroclor 1260 {3}	100.000	98.895	1.1	0	0.03
11	L2	Aroclor 1260 {4}	100.000	95.883	4.1	0	0.04
12	L2	Aroclor 1260 {5}	100.000	87.770	12.2	0	0.04
13	L2	Aroclor 1260 - Total	100.000	93.615	6.4	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.391	6.1	0	0.04

Signal #2

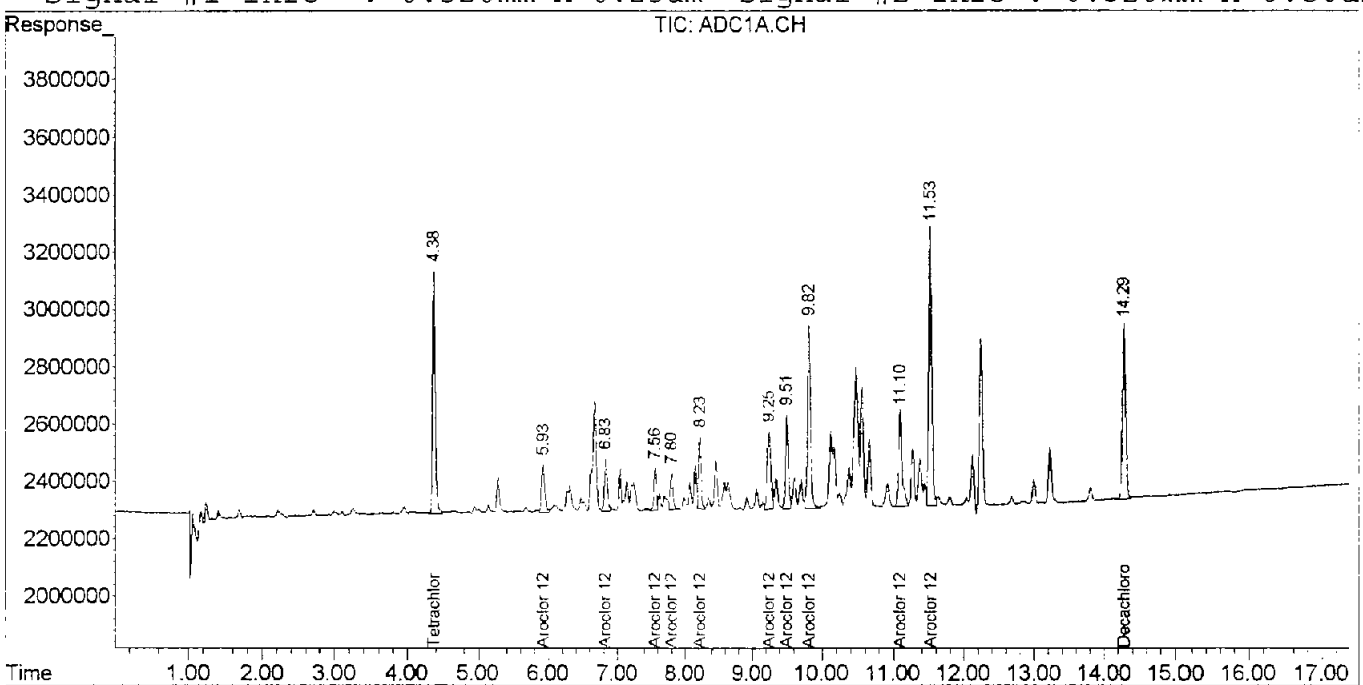
1	S	Tetrachloro-m-xylene (S)	10.000	9.264	7.4	0	0.03
2	L3	Aroclor 1242	100.000	92.449	7.6	0	0.03
3	L3	Aroclor 1242 {2}	100.000	97.488	2.5	0	0.03
4	L3	Aroclor 1242 {3}	100.000	101.248	-1.2	0	0.02
5	L3	Aroclor 1242 {4}	100.000	103.168	-3.2	0	0.02
6	L3	Aroclor 1242 {5}	100.000	99.283	0.7	0	0.02
7	L3	Aroclor 1242 - Total	100.000	100.160	-0.2	0	-0.61#
8	L4	Aroclor 1260	100.000	98.532	1.5	0	0.02
9	L4	Aroclor 1260 {2}	100.000	98.662	1.3	0	0.02
10	L4	Aroclor 1260 {3}	100.000	101.287	-1.3	0	0.02
11	L4	Aroclor 1260 {4}	100.000	100.496	-0.5	0	0.02
12	L4	Aroclor 1260 {5}	100.000	105.294	-5.3	0	0.02
13	L4	Aroclor 1260 - Total	100.000	99.427	0.6	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.497	5.0	0	0.03

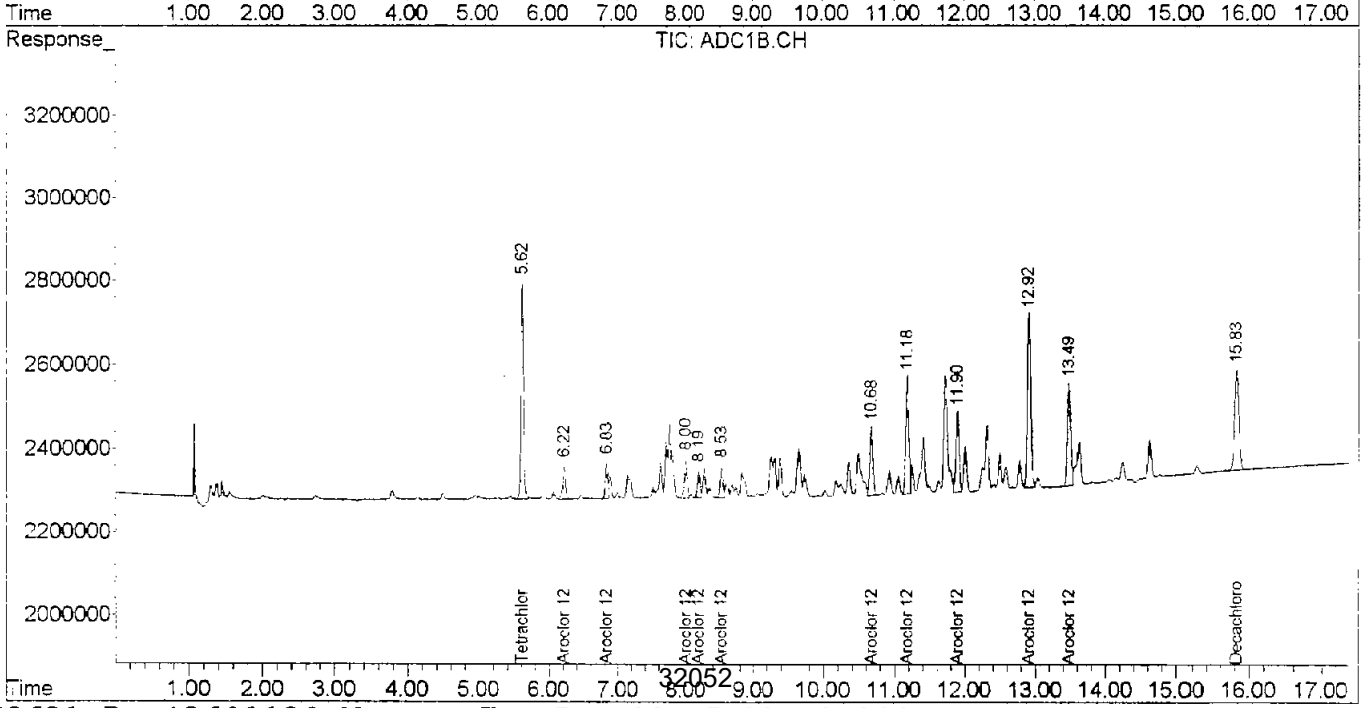
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2631.D\ADC1A.CH Vial: 71
Signal #2 : Z:\DATA\PB113004\PCB2631.D\ADC1B.CH
Acq On : 2 Dec 2004 1:42 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 14:14 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\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

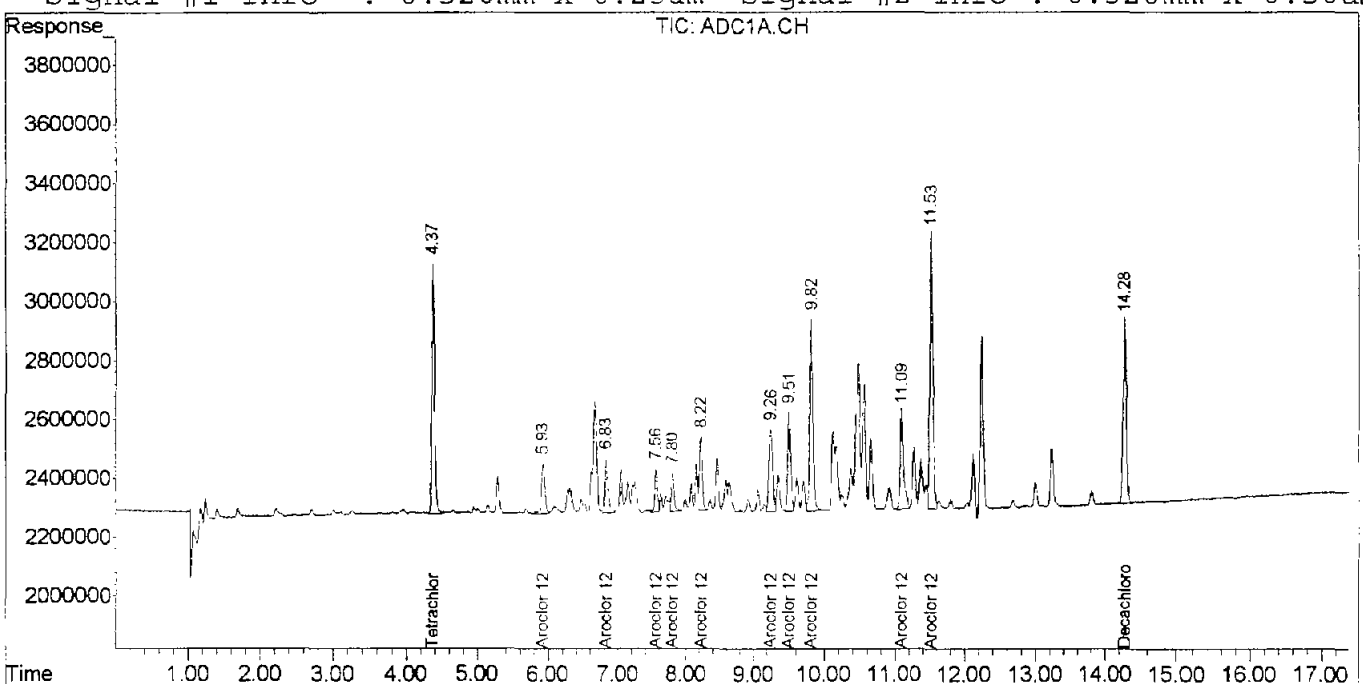
1	S	Tetrachloro-m-xylene (S)	10.000	9.168	8.3	0	0.02
2	L3	Aroclor 1242	100.000	92.358	7.6	0	0.02
3	L3	Aroclor 1242 (2)	100.000	97.294	2.7	0	0.02
4	L3	Aroclor 1242 (3)	100.000	98.957	1.0	0	0.02
5	L3	Aroclor 1242 (4)	100.000	102.530	-2.5	0	0.02
6	L3	Aroclor 1242 (5)	100.000	99.607	0.4	0	0.02
7	L3	Aroclor 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

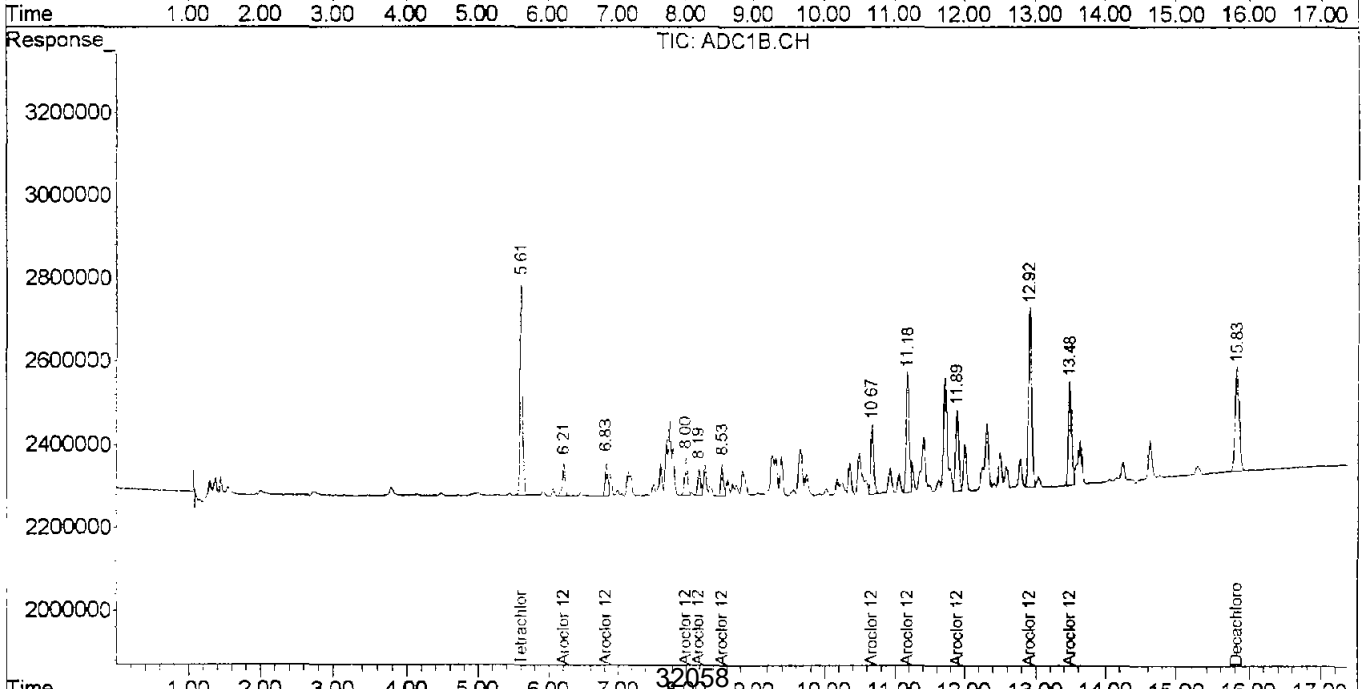
Quantitation Report (Not Reviewed)

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





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Sequence Log

Directory : z:\Data\PB113004

#	Filename	Sample Name	Date/Time
1	pcb2598.d	100ng/ml 1242/1260 ccv 561-160-1	12/02/04 02:42
2	pcb2600.d	PB0854 mb #10 &10	12/02/04 03:22
3	pcb2601.d	PB0854 bs #10 &10	12/02/04 03:42
4	pcb2602.d	PB0854 bsd #10 &10	12/02/04 04:02
5	pcb2603.d	124993-2 &10	12/02/04 04:22
6	pcb2604.d	124993-3 &10	12/02/04 04:42
7	pcb2605.d	124993-4 &10	12/02/04 05:02
8	pcb2606.d	124993-6 &10	12/02/04 05:22
9	pcb2607.d	124993-7 &10	12/02/04 05:42
10	pcb2608.d	124993-7 ms &10	12/02/04 06:02
11	pcb2609.d	124993-7 msd &10	12/02/04 06:22
12	pcb2612.d	100ng/ml 1242/1260 ccv 561-160-1	12/02/04 07:22
13	pcb2614.d	124945-3 &10	12/02/04 08:02
14	pcb2617.d	100ng/ml 1242/1260 ccv 561-160-1	12/02/04 09:02

00927

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2598.D\ADC1A.CH Vial: 38
Signal #2 : Z:\DATA\PB113004\PCB2598.D\ADC1B.CH
Acq On : 2 Dec 2004 2:42 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 2 9:51 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	22486640	13095712	9.234	9.497
Spiked Amount 20.000			Recovery	=	46.17%	47.48%
14) S Decachlorobiphen	14.31	15.86	20161196	10289800	9.834	9.851
Spiked Amount 20.000			Recovery	=	49.17%	49.26%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.24	5647666	2201684	90.626	93.840
3) L3 Aroclor 1242 {2}	6.85	6.85	5780541	2115451	97.049	99.119
4) L3 Aroclor 1242 {3}	7.58	8.02	3947425	2712357	91.561	102.840
5) L3 Aroclor 1242 {4}	7.82	8.21	3825733	1675189	103.223	103.001
6) L3 Aroclor 1242 {5}	8.24	8.55	7295462	2031841	97.917	103.201
7) L3 Aroclor 1242 - T	0.00	0.00	26496826	10736521	98.556m	101.980m
8) L4 Aroclor 1260	9.27	10.70	10446712	5069710	102.295	101.868
9) L4 Aroclor 1260 {2}	9.53	11.20	10034603	8837370	98.229	101.755
10) L4 Aroclor 1260 {3}	9.84	11.92	19633586	6314875	100.224	104.676
11) L4 Aroclor 1260 {4}	11.12	12.94	12119881	14079556	100.934	102.720
12) L4 Aroclor 1260 {5}	11.55	13.51	29440471	8389251	90.462	107.985
13) L4 Aroclor 1260 - T	0.00	0.00	81675252	42690763	96.577m	102.141m

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2598.D\ADC1A.CH Vial: 38
Signal #2 : Z:\DATA\PB113004\PCB2598.D\ADC1B.CH
Acq On : 2 Dec 2004 2:42 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	9.234	7.7	0	0.04
2	L1	Aroclor 1242	100.000	90.626	9.4	0	0.05
3	L1	Aroclor 1242 {2}	100.000	97.049	3.0	0	0.05
4	L1	Aroclor 1242 {3}	100.000	91.561	8.4	0	0.05
5	L1	Aroclor 1242 {4}	100.000	103.223	-3.2	0	0.05
6	L1	Aroclor 1242 {5}	100.000	97.917	2.1	0	0.05
7	L1	Aroclor 1242 - Total	100.000	98.556	1.4	0	-0.61#
8	L2	Aroclor 1260	100.000	102.295	-2.3	0	0.06
9	L2	Aroclor 1260 {2}	100.000	98.229	1.8	0	0.06
10	L2	Aroclor 1260 {3}	100.000	100.224	-0.2	0	0.05
11	L2	Aroclor 1260 {4}	100.000	100.934	-0.9	0	0.06
12	L2	Aroclor 1260 {5}	100.000	90.462	9.5	0	0.06
13	L2	Aroclor 1260 - Total	100.000	96.577	3.4	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.834	1.7	0	0.06

Signal #2

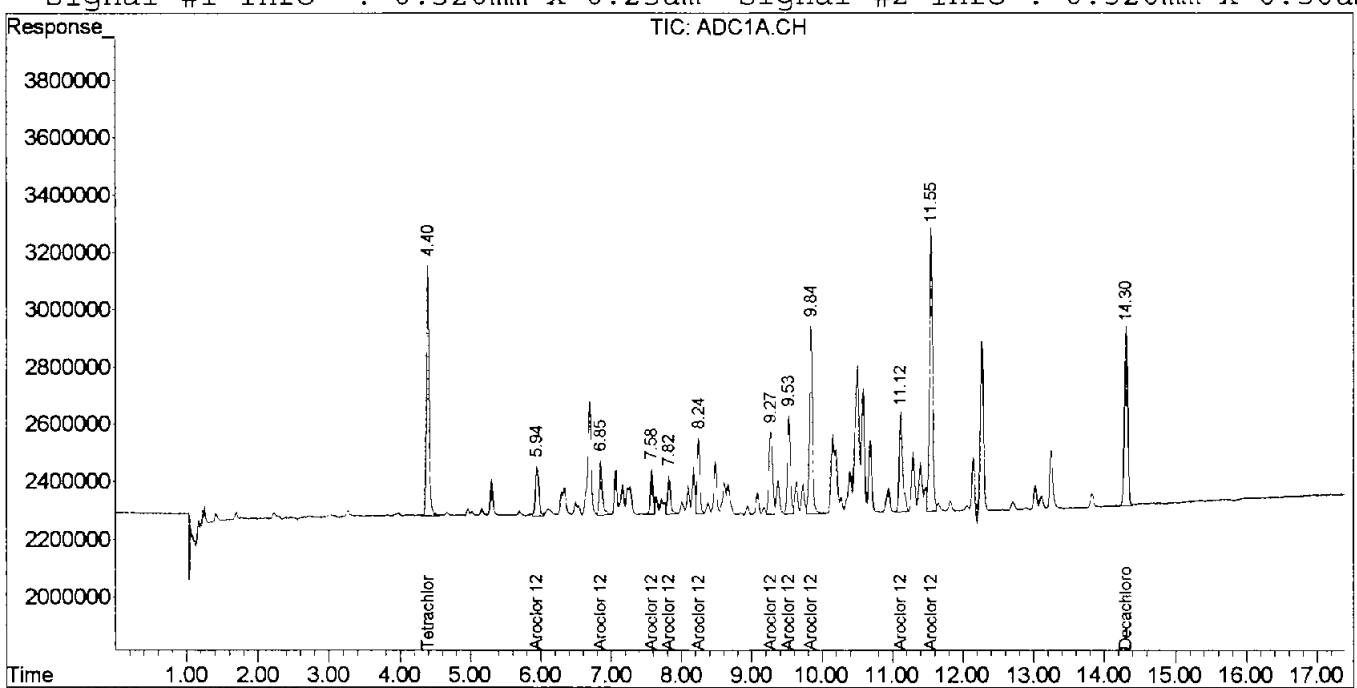
1	S	Tetrachloro-m-xylene (S)	10.000	9.497	5.0	0	0.04
2	L3	Aroclor 1242	100.000	93.840	6.2	0	0.04
3	L3	Aroclor 1242 {2}	100.000	99.119	0.9	0	0.04
4	L3	Aroclor 1242 {3}	100.000	102.840	-2.8	0	0.04
5	L3	Aroclor 1242 {4}	100.000	103.001	-3.0	0	0.04
6	L3	Aroclor 1242 {5}	100.000	103.201	-3.2	0	0.04
7	L3	Aroclor 1242 - Total	100.000	101.980	-2.0	0	-0.61#
8	L4	Aroclor 1260	100.000	101.868	-1.9	0	0.05
9	L4	Aroclor 1260 {2}	100.000	101.755	-1.8	0	0.05
10	L4	Aroclor 1260 {3}	100.000	104.676	-4.7	0	0.05
11	L4	Aroclor 1260 {4}	100.000	102.720	-2.7	0	0.04
12	L4	Aroclor 1260 {5}	100.000	107.985	-8.0	0	0.05
13	L4	Aroclor 1260 - Total	100.000	102.141	-2.1	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.851	1.5	0	0.05

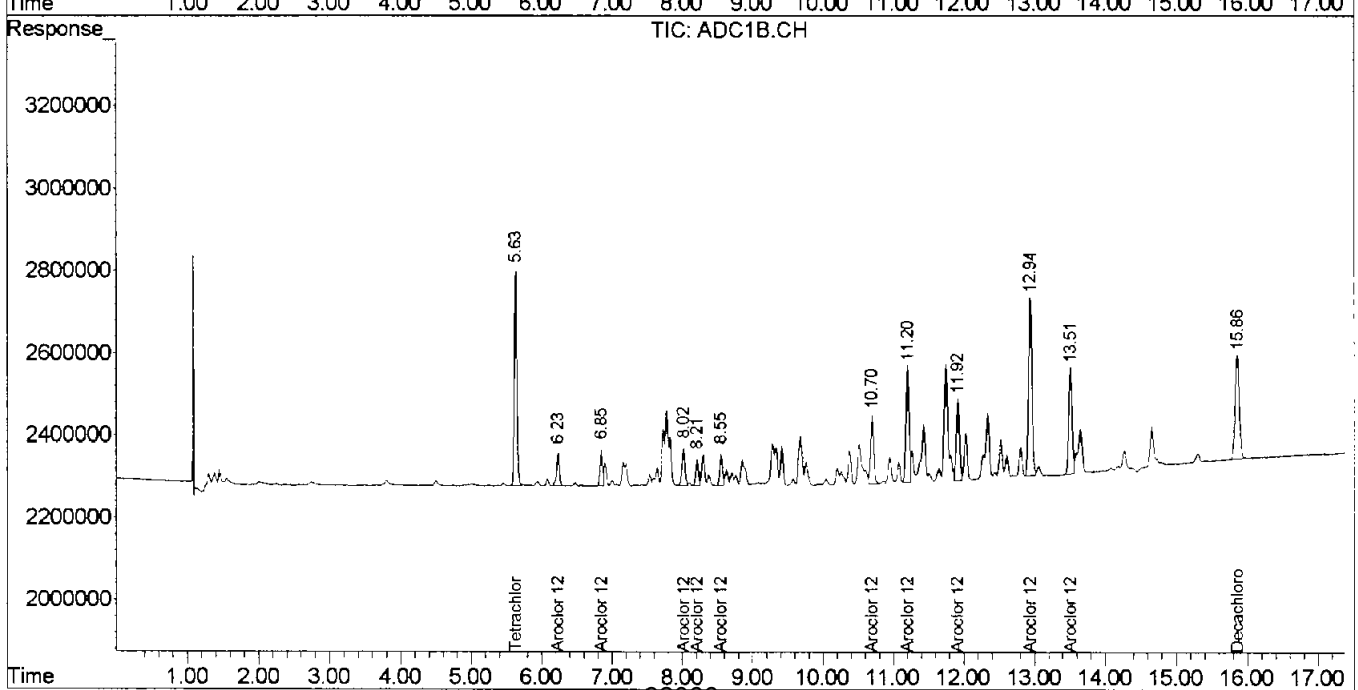
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2598.D\ADC1A.CH Vial: 38
Signal #2 : Z:\DATA\PB113004\PCB2598.D\ADC1B.CH
Acq On : 2 Dec 2004 2:42 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 2 9:51 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\PCB2612.D\ADC1A.CH Vial: 52
Signal #2 : Z:\DATA\PB113004\PCB2612.D\ADC1B.CH
Acq On : 2 Dec 2004 7:22 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 2 9:54 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	5.62	21578734	12586689	8.861	9.128
	Spiked Amount 20.000			Recovery	=	44.31%	45.64%
14)	S Decachlorobiphen	14.28	15.83	19541767	9981211	9.492	9.500
	Spiked Amount 20.000			Recovery	=	47.46%	47.50%
	Target Compounds						
2)	L3 Aroclor 1242	5.93	6.22	5493721	2135894	88.156	91.036
3)	L3 Aroclor 1242 {2}	6.83	6.83	5301835	2064311	87.873	96.723
4)	L3 Aroclor 1242 {3}	7.56	8.00	3774092	2595992	87.540	98.024
5)	L3 Aroclor 1242 {4}	7.80	8.19	3646662	1578915	98.391	96.216
6)	L3 Aroclor 1242 {5}	8.22	8.53	6934404	1936869	92.282	97.872
7)	L3 Aroclor 1242 - T	0.00	0.00	25150714	10311981	92.911m	97.524m
8)	L4 Aroclor 1260	9.25	10.67	10172624	4902701	99.611	98.512
9)	L4 Aroclor 1260 {2}	9.51	11.18	9646800	8509713	94.433	97.983
10)	L4 Aroclor 1260 {3}	9.82	11.90	19040559	6047024	97.197	99.789
11)	L4 Aroclor 1260 {4}	11.10	12.92	11670654	13532353	97.193	98.728
12)	L4 Aroclor 1260 {5}	11.53	13.49	28697987	8142680	88.181	104.811
13)	L4 Aroclor 1260 - T	0.00	0.00	79228623	41134472	93.684m	98.417m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

32068
00931

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2612.D\ADC1A.CH Vial: 52
Signal #2 : Z:\DATA\PB113004\PCB2612.D\ADC1B.CH
Acq On : 2 Dec 2004 7:22 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	8.861	11.4	0	0.03
2	L1	Aroclor 1242	100.000	88.156	11.8	0	0.03
3	L1	Aroclor 1242 {2}	100.000	87.873	12.1	0	0.03
4	L1	Aroclor 1242 {3}	100.000	87.540	12.5	0	0.03
5	L1	Aroclor 1242 {4}	100.000	98.391	1.6	0	0.03
6	L1	Aroclor 1242 {5}	100.000	92.282	7.7	0	0.03
7	L1	Aroclor 1242 - Total	100.000	92.911	7.1	0	-0.61#
8	L2	Aroclor 1260	100.000	99.611	0.4	0	0.03
9	L2	Aroclor 1260 {2}	100.000	94.433	5.6	0	0.03
10	L2	Aroclor 1260 {3}	100.000	97.197	2.8	0	0.03
11	L2	Aroclor 1260 {4}	100.000	97.193	2.8	0	0.03
12	L2	Aroclor 1260 {5}	100.000	88.181	11.8	0	0.03
13	L2	Aroclor 1260 - Total	100.000	93.684	6.3	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.492	5.1	0	0.03

Signal #2

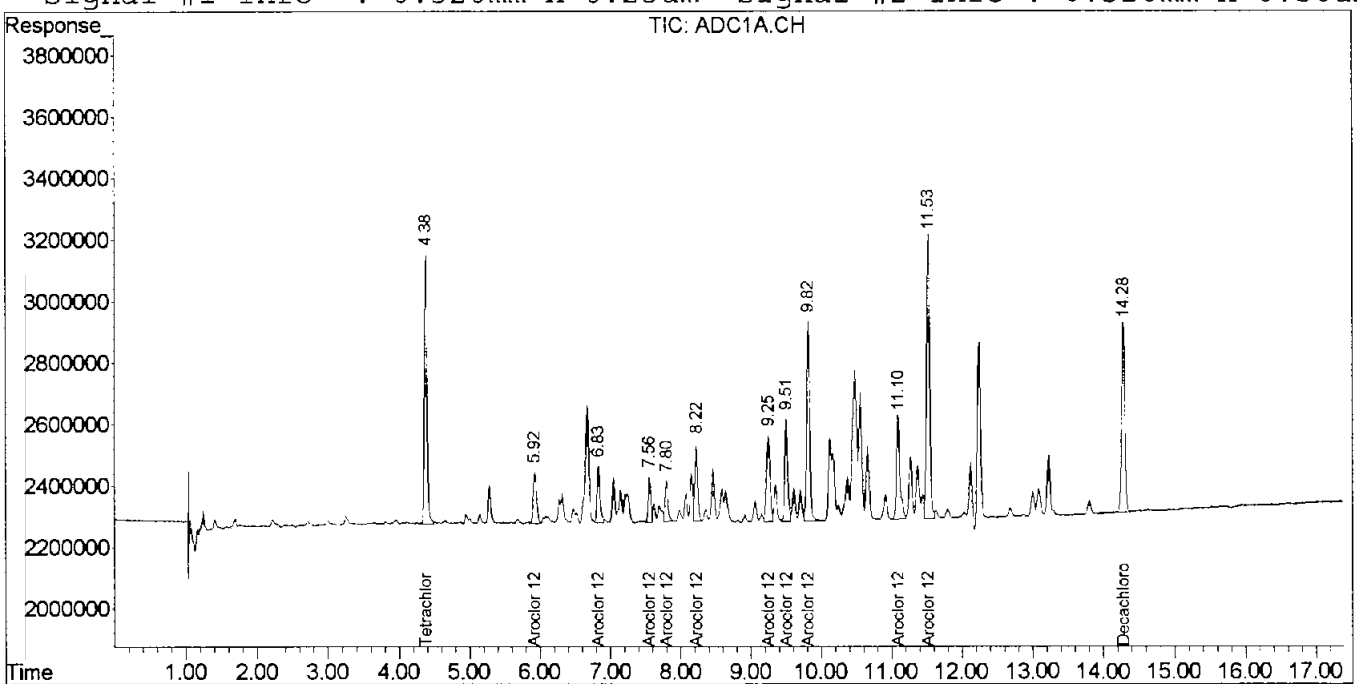
1	S	Tetrachloro-m-xylene (S)	10.000	9.128	8.7	0	0.03
2	L3	Aroclor 1242	100.000	91.036	9.0	0	0.03
3	L3	Aroclor 1242 {2}	100.000	96.723	3.3	0	0.03
4	L3	Aroclor 1242 {3}	100.000	98.024	2.0	0	0.02
5	L3	Aroclor 1242 {4}	100.000	96.216	3.8	0	0.02
6	L3	Aroclor 1242 {5}	100.000	97.872	2.1	0	0.02
7	L3	Aroclor 1242 - Total	100.000	97.524	2.5	0	-0.61#
8	L4	Aroclor 1260	100.000	98.512	1.5	0	0.02
9	L4	Aroclor 1260 {2}	100.000	97.983	2.0	0	0.02
10	L4	Aroclor 1260 {3}	100.000	99.789	0.2	0	0.02
11	L4	Aroclor 1260 {4}	100.000	98.728	1.3	0	0.02
12	L4	Aroclor 1260 {5}	100.000	104.811	-4.8	0	0.02
13	L4	Aroclor 1260 - Total	100.000	98.417	1.6	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.500	5.0	0	0.03

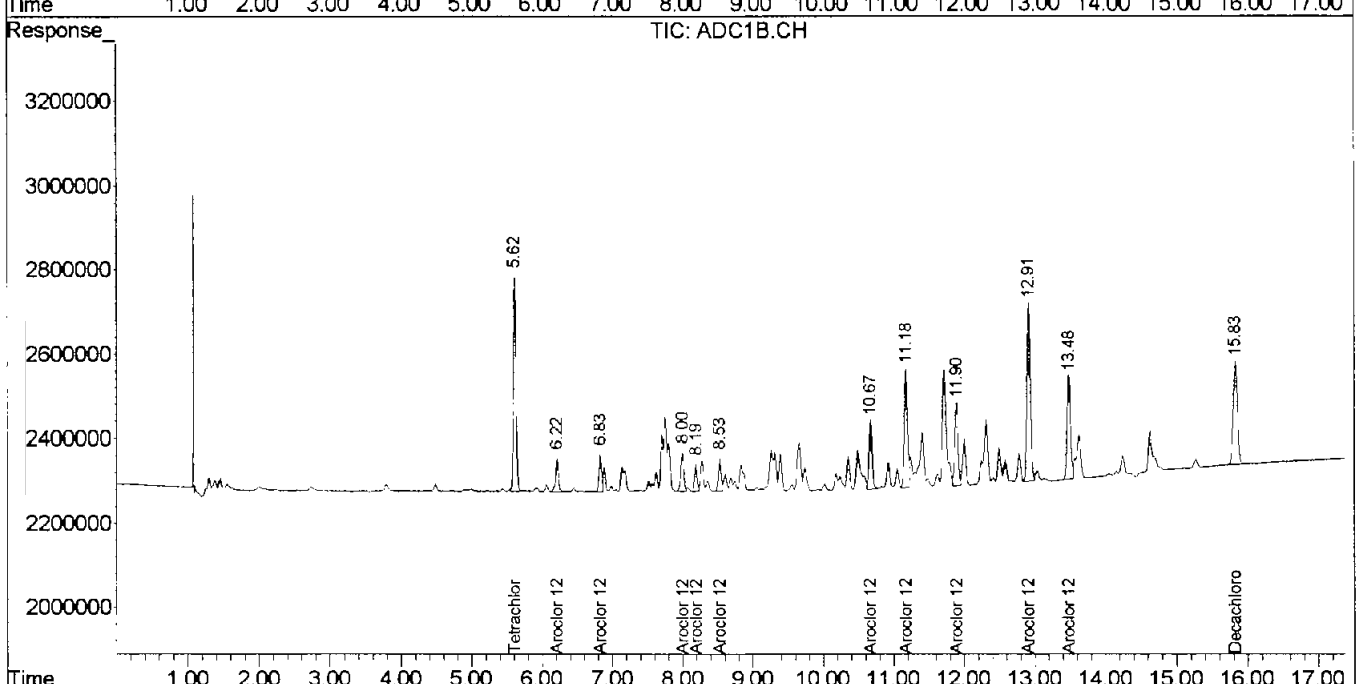
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2612.D\ADC1A.CH Vial: 52
Signal #2 : Z:\DATA\PB113004\PCB2612.D\ADC1B.CH
Acq On : 2 Dec 2004 7:22 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 2 9:54 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\PCB2617.D\ADC1A.CH Vial: 57
Signal #2 : Z:\DATA\PB113004\PCB2617.D\ADC1B.CH
Acq On : 2 Dec 2004 9:02 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 2 9:54 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	21770666	12539863	8.940	9.094
	Spiked Amount 20.000			Recovery	=	44.70%	45.47%
14)	S Decachlorobiphen	14.30	15.84	20242178	10544647	9.879	10.141
	Spiked Amount 20.000			Recovery	=	49.40%	50.70%
	Target Compounds						
2)	L3 Aroclor 1242	5.94	6.23	5654241	2094233	90.732	89.260
3)	L3 Aroclor 1242 {2}	6.85	6.84	5418946	2057625	90.118	96.410
4)	L3 Aroclor 1242 {3}	7.57	8.01	3736095	2657796	86.659	100.582
5)	L3 Aroclor 1242 {4}	7.82	8.21	3738929	1603019	100.881	97.914
6)	L3 Aroclor 1242 {5}	8.24	8.54	7155968	1974220	95.740	99.968
7)	L3 Aroclor 1242 - T	0.00	0.00	25704179	10386894	95.232m	98.310m
8)	L4 Aroclor 1260	9.27	10.69	10434965	5053308	102.180	101.538
9)	L4 Aroclor 1260 {2}	9.52	11.20	9923378	8876552	97.140	102.207
10)	L4 Aroclor 1260 {3}	9.84	11.91	19692435	6306174	100.524	104.517
11)	L4 Aroclor 1260 {4}	11.11	12.93	12121092	14112792	100.944	102.963
12)	L4 Aroclor 1260 {5}	11.54	13.50	29589268	8443496	90.920	108.683
13)	L4 Aroclor 1260 - T	0.00	0.00	81761139	42792322	96.679m	102.384m

Evaluate Continuing Calibration Report

Signal #1 : Z:\DATA\PB113004\PCB2617.D\ADC1A.CH Vial: 57
Signal #2 : Z:\DATA\PB113004\PCB2617.D\ADC1B.CH
Acq On : 2 Dec 2004 9:02 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	8.940	10.6	0	0.04
2	L1	Aroclor 1242	100.000	90.732	9.3	0	0.04
3	L1	Aroclor 1242 {2}	100.000	90.118	9.9	0	0.04
4	L1	Aroclor 1242 {3}	100.000	86.659	13.3	0	0.04
5	L1	Aroclor 1242 {4}	100.000	100.881	-0.9	0	0.04
6	L1	Aroclor 1242 {5}	100.000	95.740	4.3	0	0.04
7	L1	Aroclor 1242 - Total	100.000	95.232	4.8	0	-0.61#
8	L2	Aroclor 1260	100.000	102.180	-2.2	0	0.05
9	L2	Aroclor 1260 {2}	100.000	97.140	2.9	0	0.05
10	L2	Aroclor 1260 {3}	100.000	100.524	-0.5	0	0.05
11	L2	Aroclor 1260 {4}	100.000	100.944	-0.9	0	0.05
12	L2	Aroclor 1260 {5}	100.000	90.920	9.1	0	0.05
13	L2	Aroclor 1260 - Total	100.000	96.679	3.3	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	9.879	1.2	0	0.05

Signal #2

1	S	Tetrachloro-m-xylene (S)	10.000	9.094	9.1	0	0.04
2	L3	Aroclor 1242	100.000	89.260	10.7	0	0.04
3	L3	Aroclor 1242 {2}	100.000	96.410	3.6	0	0.04
4	L3	Aroclor 1242 {3}	100.000	100.582	-0.6	0	0.04
5	L3	Aroclor 1242 {4}	100.000	97.914	2.1	0	0.04
6	L3	Aroclor 1242 {5}	100.000	99.968	0.0	0	0.04
7	L3	Aroclor 1242 - Total	100.000	98.310	1.7	0	-0.61#
8	L4	Aroclor 1260	100.000	101.538	-1.5	0	0.04
9	L4	Aroclor 1260 {2}	100.000	102.207	-2.2	0	0.04
10	L4	Aroclor 1260 {3}	100.000	104.517	-4.5	0	0.04
11	L4	Aroclor 1260 {4}	100.000	102.963	-3.0	0	0.03
12	L4	Aroclor 1260 {5}	100.000	108.683	-8.7	0	0.03
13	L4	Aroclor 1260 - Total	100.000	102.384	-2.4	0	-0.61#
14	S	Decachlorobiphenyl (S)	10.000	10.141	-1.4	0	0.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
PCB2617.D 42601130.M Tue Dec 28 17:36:40 2004 Page 1

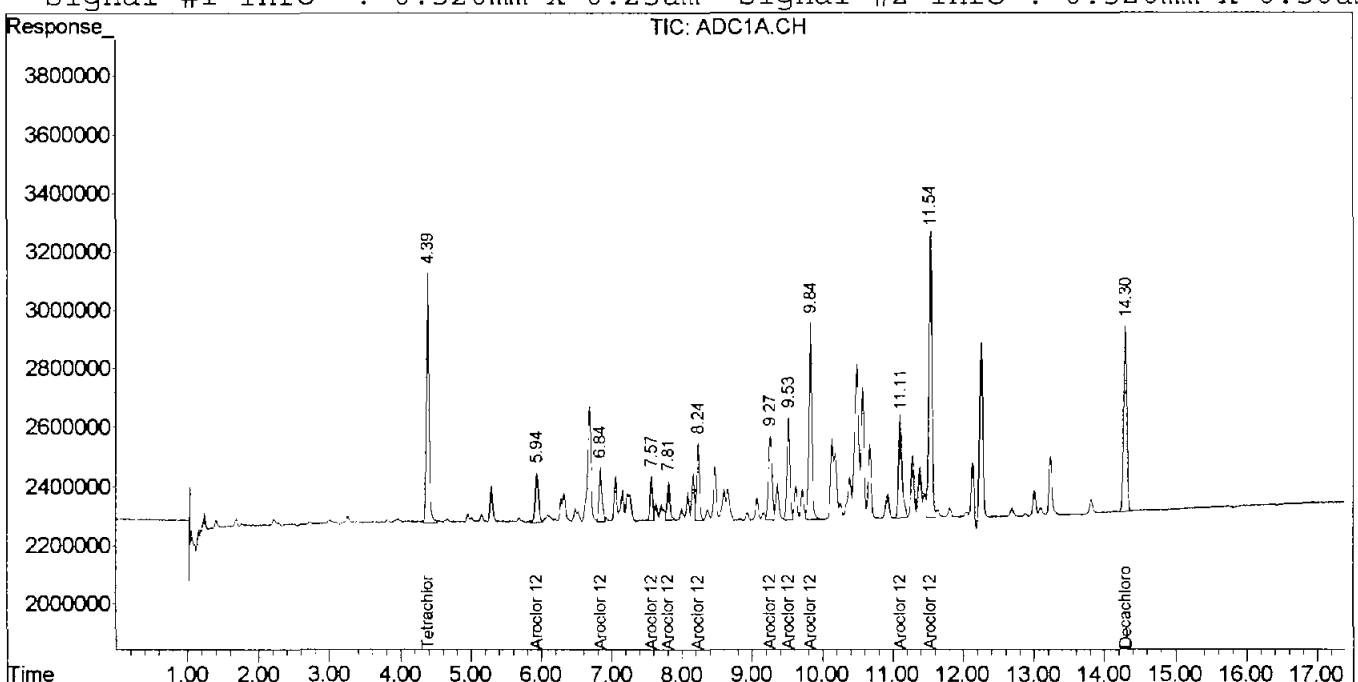
00935

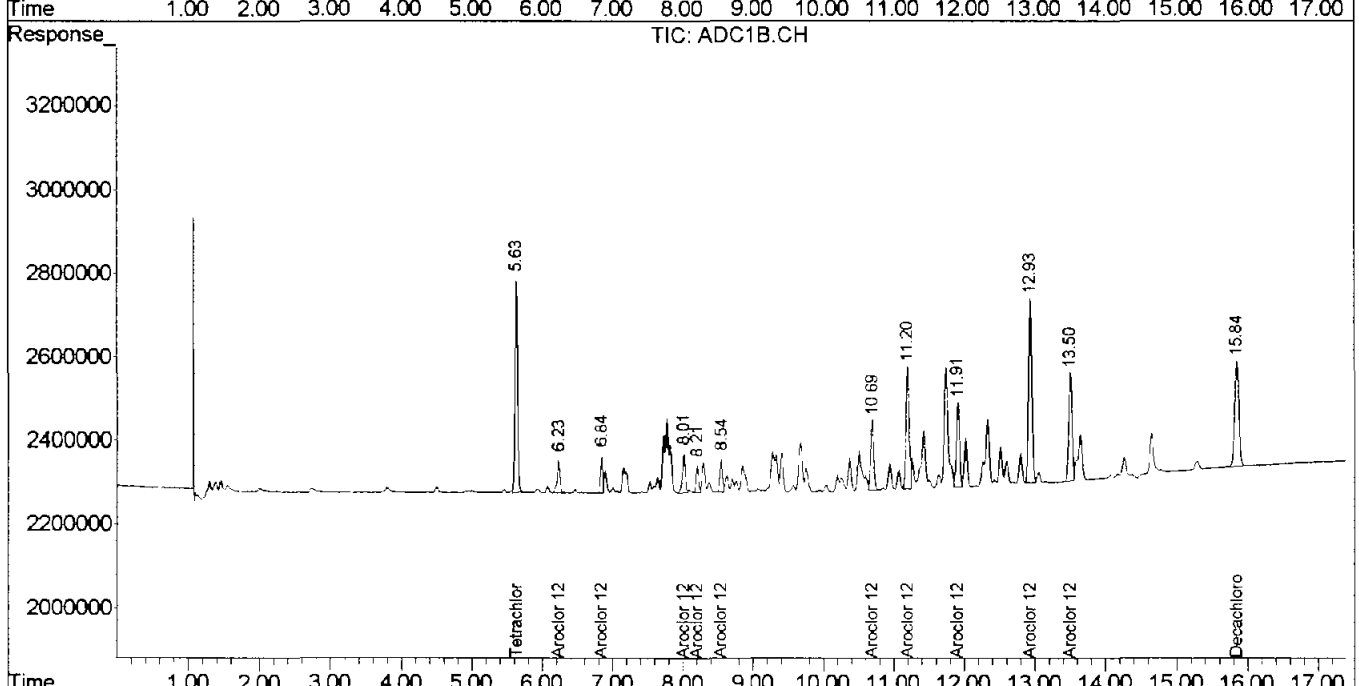
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2617.D\ADC1A.CH Vial: 57
Signal #2 : Z:\DATA\PB113004\PCB2617.D\ADC1B.CH
Acq On : 2 Dec 2004 9:02 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 2 9:54 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

00937

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2619.D\ADC1A.CH Vial: 59
Signal #2 : Z:\DATA\PB113004\PCB2619.D\ADC1B.CH
Acq On : 2 Dec 2004 9:42 am Operator: STM
Sample : PBW0302 mb liquid #1000 &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 02 10:12:50 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

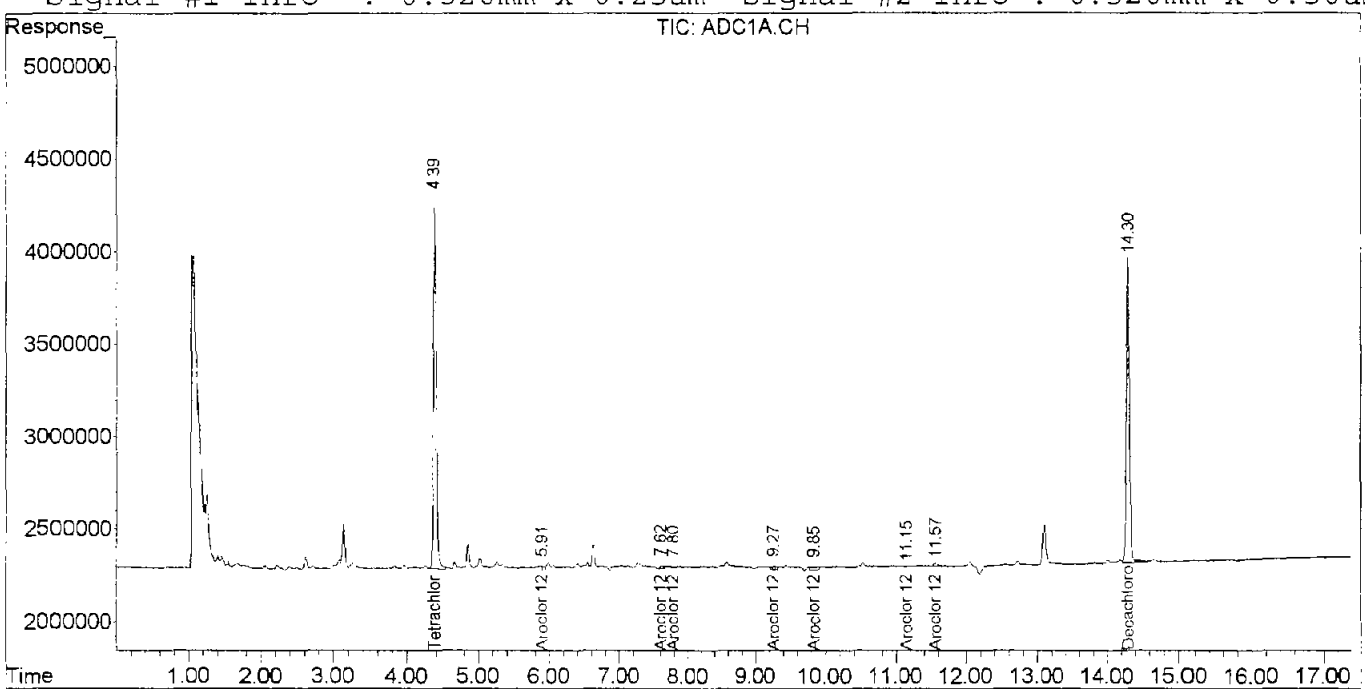
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	S Tetrachloro-m-xy	4.39	5.63	49141343	27600976	20.179	20.016	
	Spiked Amount 20.000			Recovery	=	100.90%	100.08%	
14)	S Decachlorobiphen	14.30	15.85	52644719	25797422	27.801	27.487	
	Spiked Amount 20.000			Recovery	=	139.01%	137.44%	
	Target Compounds							
2)	L3 Aroclor 1242	5.91	6.19	481342	567968	7.724	24.208	#
3)	L3 Aroclor 1242 {2}	0.00	6.83	0	77970	N.D.	3.653	#
4)	L3 Aroclor 1242 {3}	7.62	0.00	545160	0	12.645	N.D.	#
5)	L3 Aroclor 1242 {4}	7.79	8.21	284627	133881	7.680	N.D.	#
6)	L3 Aroclor 1242 {5}	8.24	8.54	259290	61546	N.D.	N.D.	
7)	L3 Aroclor 1242 - T	0.00	0.00	1570419	841366	N.D. m	N.D. m	
8)	L4 Aroclor 1260	9.27	10.65	1014647	4827	9.936	0.097	#
9)	L4 Aroclor 1260 {2}	0.00	11.20	0	26342	N.D.	0.303	#
10)	L4 Aroclor 1260 {3}	9.85	0.00	1247777	0	6.370	N.D.	#
11)	L4 Aroclor 1260 {4}	11.15	0.00	43159	0	0.359	N.D.	#
12)	L4 Aroclor 1260 {5}	11.57	0.00	879590	0	2.703	N.D.	#
13)	L4 Aroclor 1260 - T	0.00	0.00	3185172	31168	3.766m	0.075m	#

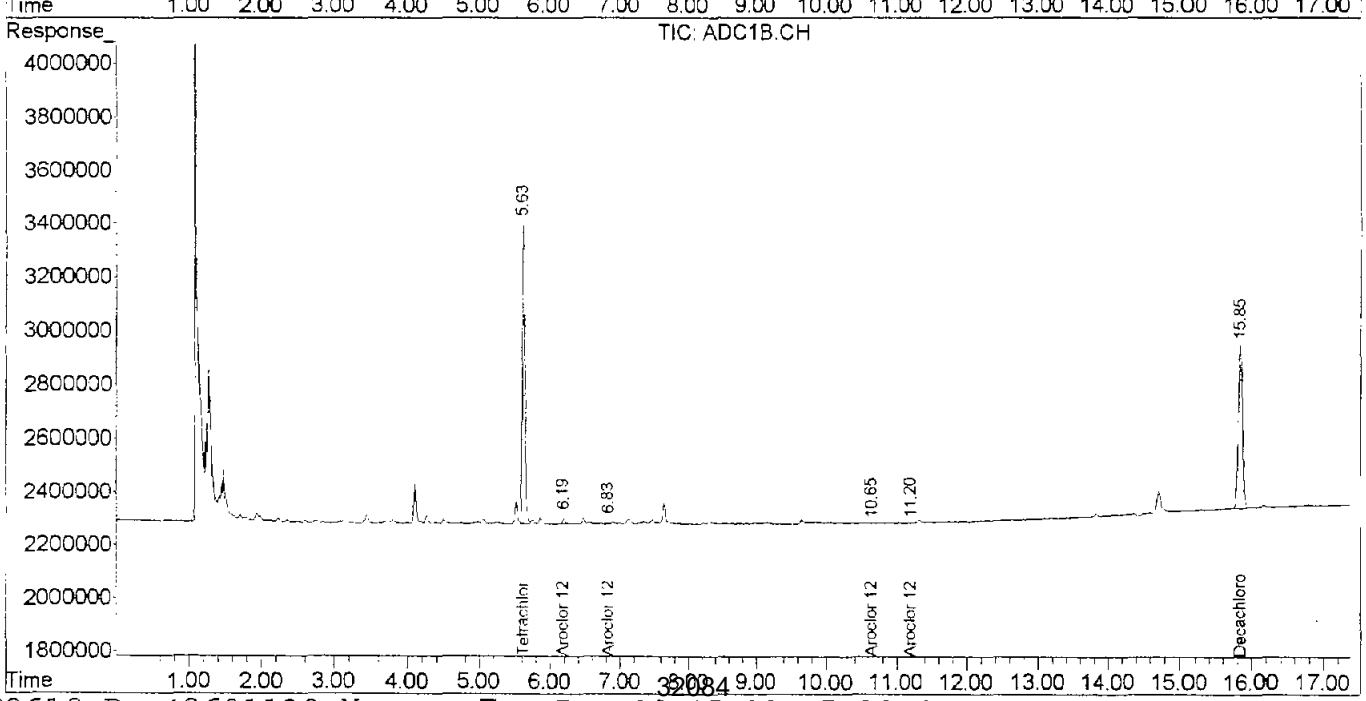
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2619.D\ADC1A.CH Vial: 59
Signal #2 : Z:\DATA\PB113004\PCB2619.D\ADC1B.CH
Acq On : 2 Dec 2004 9:42 am Operator: STM
Sample : PBW0302 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 10:12 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\PCB2600.D\ADC1A.CH Vial: 40
Signal #2 : Z:\DATA\PB113004\PCB2600.D\ADC1B.CH
Acq On : 2 Dec 2004 3:22 am Operator: STM
Sample : PB0854 mb #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:52 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	47792286	26878453	19.625	19.492 ✓
	Spiked Amount 20.000			Recovery	=	98.13%	97.46%
14)	S Decachlorobiphen	14.31	15.86	48752507	24000122	25.649	25.443
	Spiked Amount 20.000			Recovery	=	128.25%	127.22%
	Target Compounds						
2)	L3 Aroclor 1242	5.93	6.19	66582	497011	1.068	21.184 #
3)	L3 Aroclor 1242 (2)	6.85	0.00	200448	0	N.D.	N.D.
4)	L3 Aroclor 1242 (3)	7.53	0.00	189495	0	4.395	N.D. #
5)	L3 Aroclor 1242 (4)	7.78	8.22	130531	195251	3.522	N.D. #
6)	L3 Aroclor 1242 (5)	8.26	0.00	403937	0	N.D.	N.D.
7)	L3 Aroclor 1242 - T	0.00	0.00	990993	692262	N.D. m	N.D. m
8)	L4 Aroclor 1260	9.30	10.68	633768	74818	6.206	1.503 #
9)	L4 Aroclor 1260 (2)	9.47	0.00	261088	0	2.556	N.D. #
10)	L4 Aroclor 1260 (3)	9.86	0.00	646959	0	3.303	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	970168	0	2.981	N.D. #
13)	L4 Aroclor 1260 - T	0.00	0.00	2511983	74818	2.970m	0.179m#

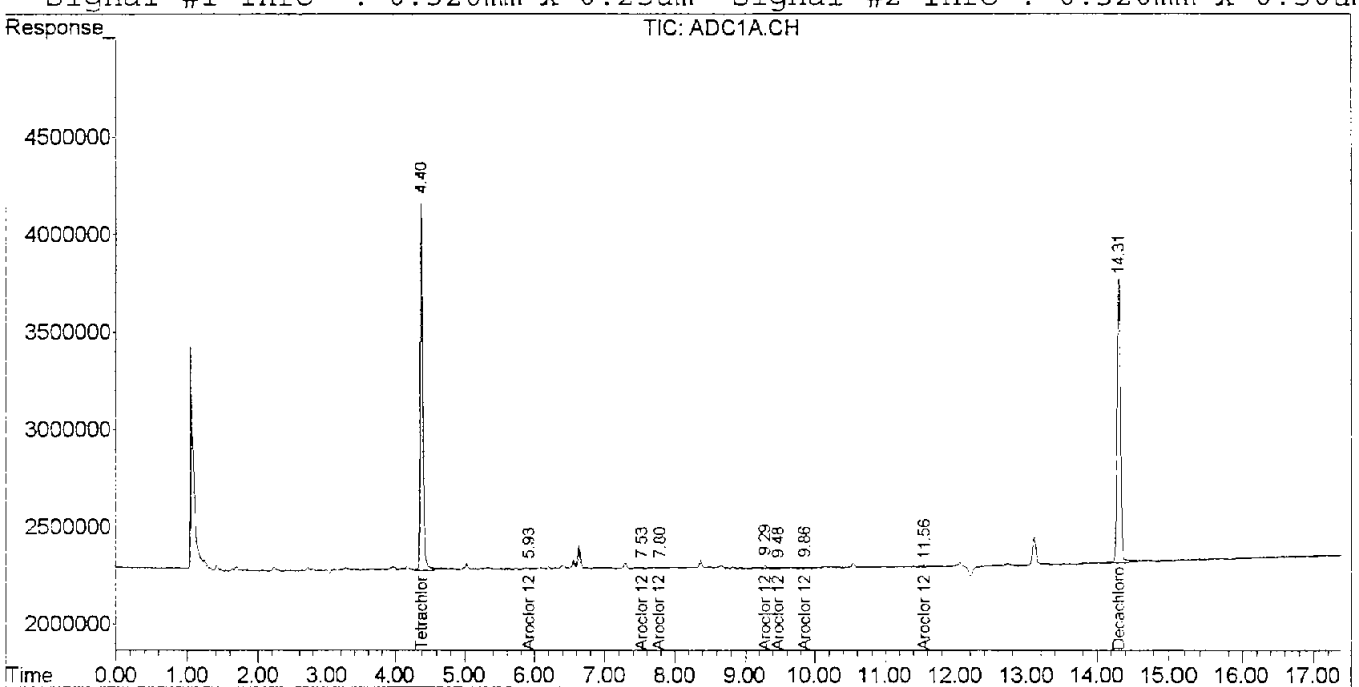
(2D)

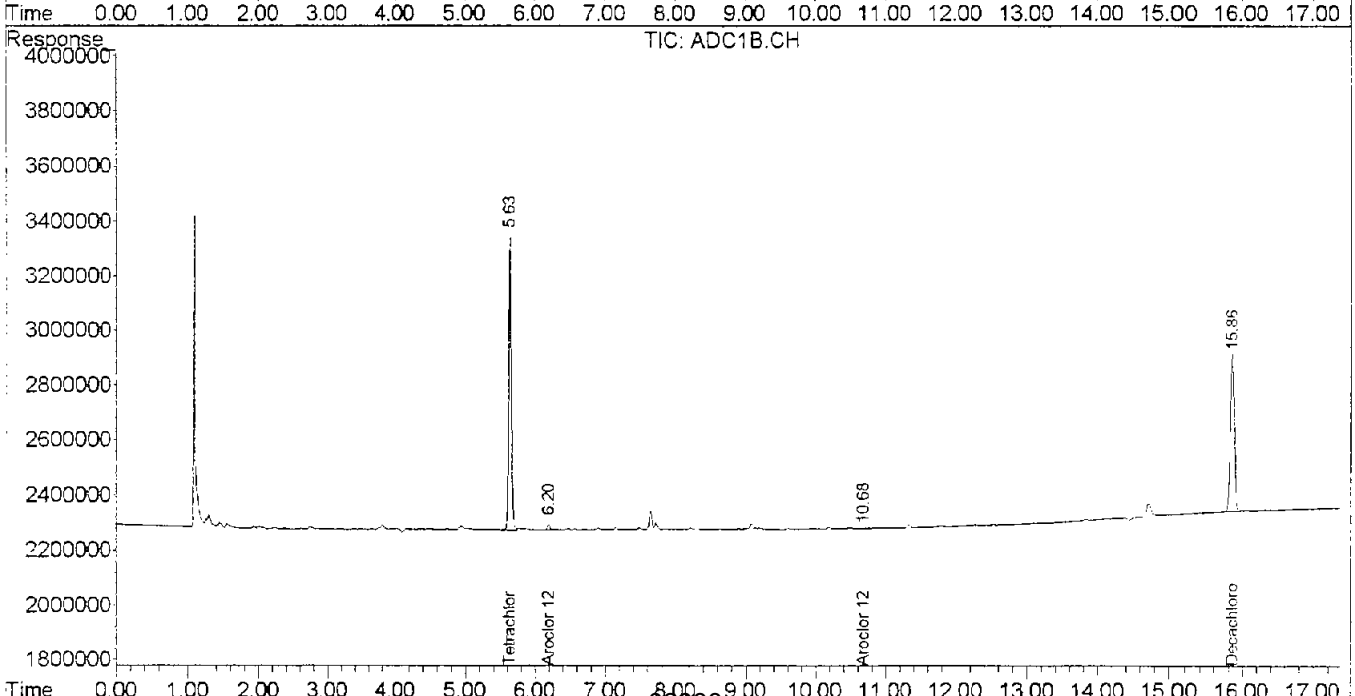
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2600.D\ADC1A.CH Vial: 40
Signal #2 : Z:\DATA\PB113004\PCB2600.D\ADC1B.CH
Acq On : 2 Dec 2004 3:22 am Operator: STM
Sample : PB0854 mb #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:52 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





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00942

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2620.D\ADC1A.CH Vial: 60
Signal #2 : Z:\DATA\PB113004\PCB2620.D\ADC1B.CH
Acq On : 2 Dec 2004 10:02 am Operator: STM
Sample : PBW0302 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 10:37:21 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	46561320	26374701	19.120	19.127 ✓
	Spiked Amount 20.000			Recovery	=	95.60%	95.63%
14) S	Decachlorobiphen	14.29	15.84	53347589	26045828	28.190	27.770 N
	Spiked Amount 20.000			Recovery	=	140.95%	138.85%
	Target Compounds					99.367	107.602 ✓ C1
2) L3	Aroclor 1242	5.93	6.22	6698640	2438077	107.491	103.915
3) L3	Aroclor 1242 {2}	6.84	6.84	4834847	2285286	78.923	107.077
4) L3	Aroclor 1242 {3}	7.57	8.01	4929443	8224609	114.339	~~330.999~~ #
5) L3	Aroclor 1242 {4}	7.79	8.20	8183954	1690680	~~220.813~~	104.092 #
6) L3	Aroclor 1242 {5}	8.23	8.53	7218524	2247890	96.716	115.323
7) L3	Aroclor 1242 - T	0.00	0.00	31865407	16886541	~~121.072~~m	~~166.528~~m
8) L4	Aroclor 1260	9.26	10.68	11754902	5746895	115.105	115.474
9) L4	Aroclor 1260 {2}	9.52	11.19	11422039	9948060	111.810	114.544
10) L4	Aroclor 1260 {3}	9.83	11.90	22434963	7471706	114.524	125.786
11) L4	Aroclor 1260 {4}	11.10	12.92	14017133	16440812	116.735	119.947
12) L4	Aroclor 1260 {5}	11.53	13.49	35261311	9850029	108.348	126.788
13) L4	Aroclor 1260 - T	0.00	0.00	94890348	49457502	112.204m	118.331m ✓ C1

contaminant delet

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PCB2620.D 42601130.M Tue Dec 28 15:30:07 2004 Page 1

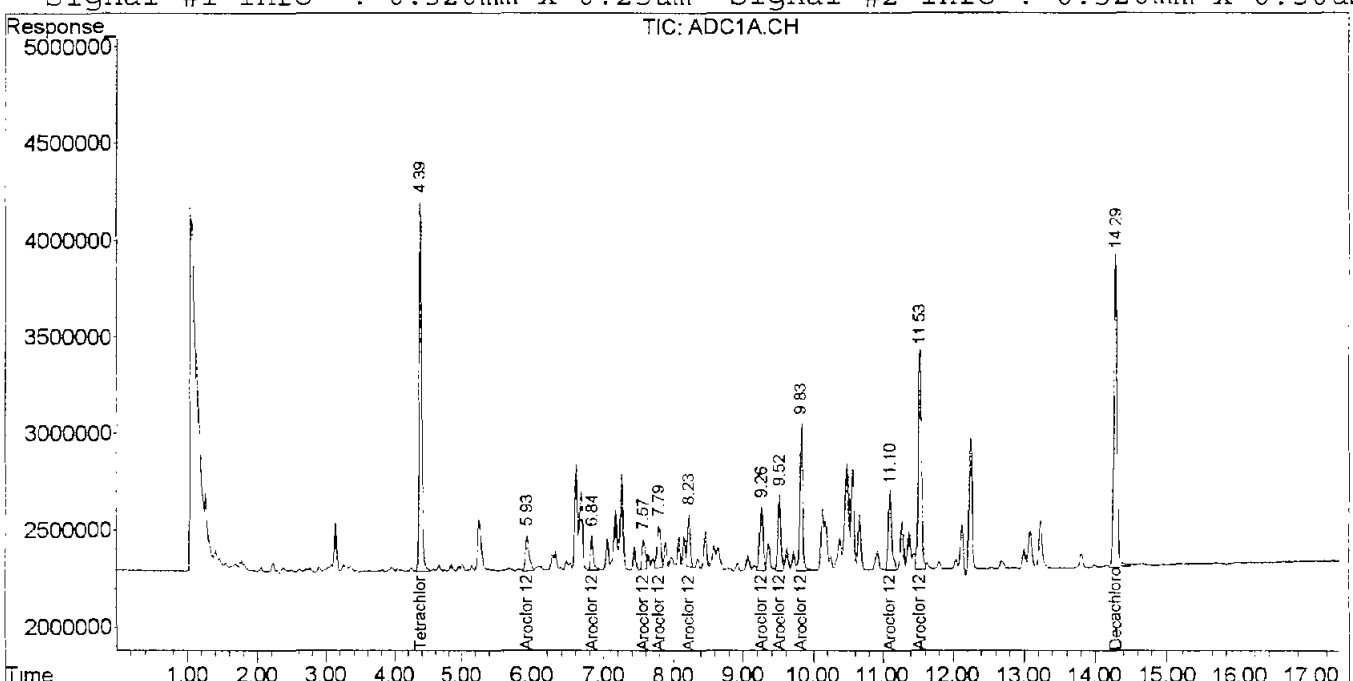
00943

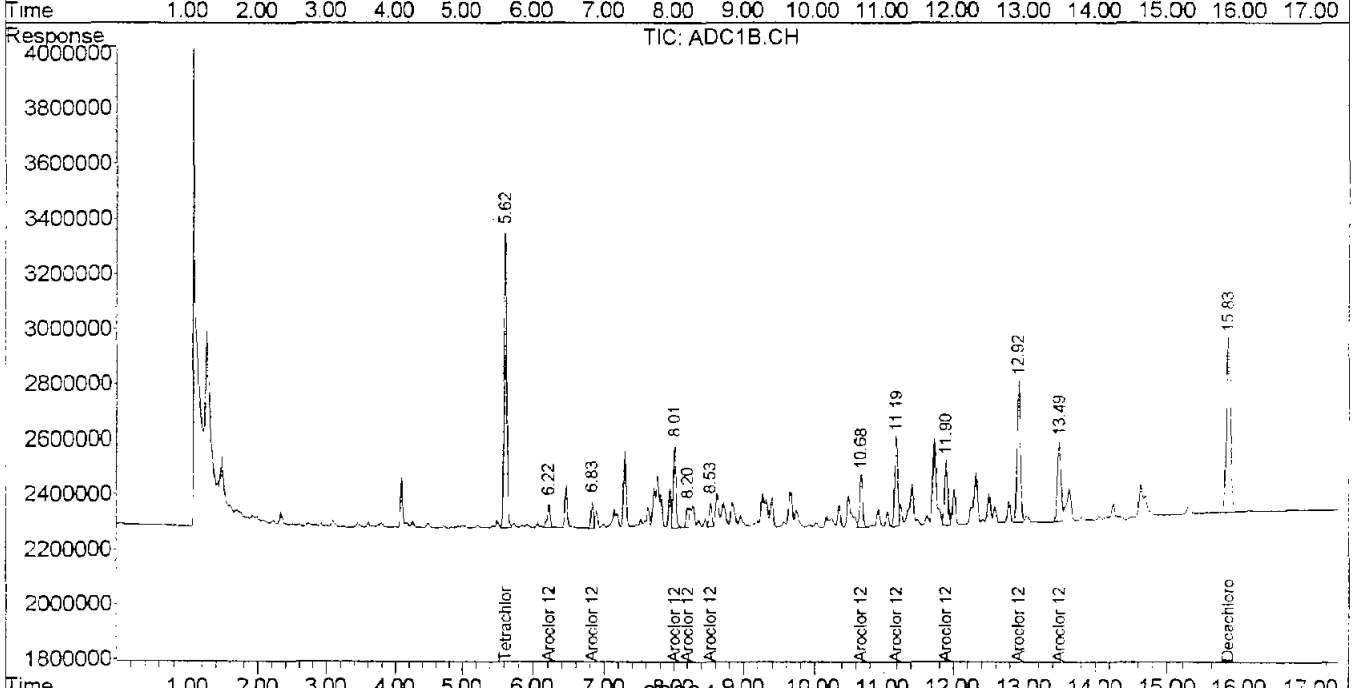
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2620.D\ADC1A.CH Vial: 60
Signal #2 : Z:\DATA\PB113004\PCB2620.D\ADC1B.CH
Acq On : 2 Dec 2004 10:02 am Operator: STM
Sample : PBW0302 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 10:37 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\PCB2601.D\ADC1A.CH Vial: 41
Signal #2 : Z:\DATA\PB113004\PCB2601.D\ADC1B.CH
Acq On : 2 Dec 2004 3:42 am Operator: STM
Sample : PB0854 bs #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:52 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

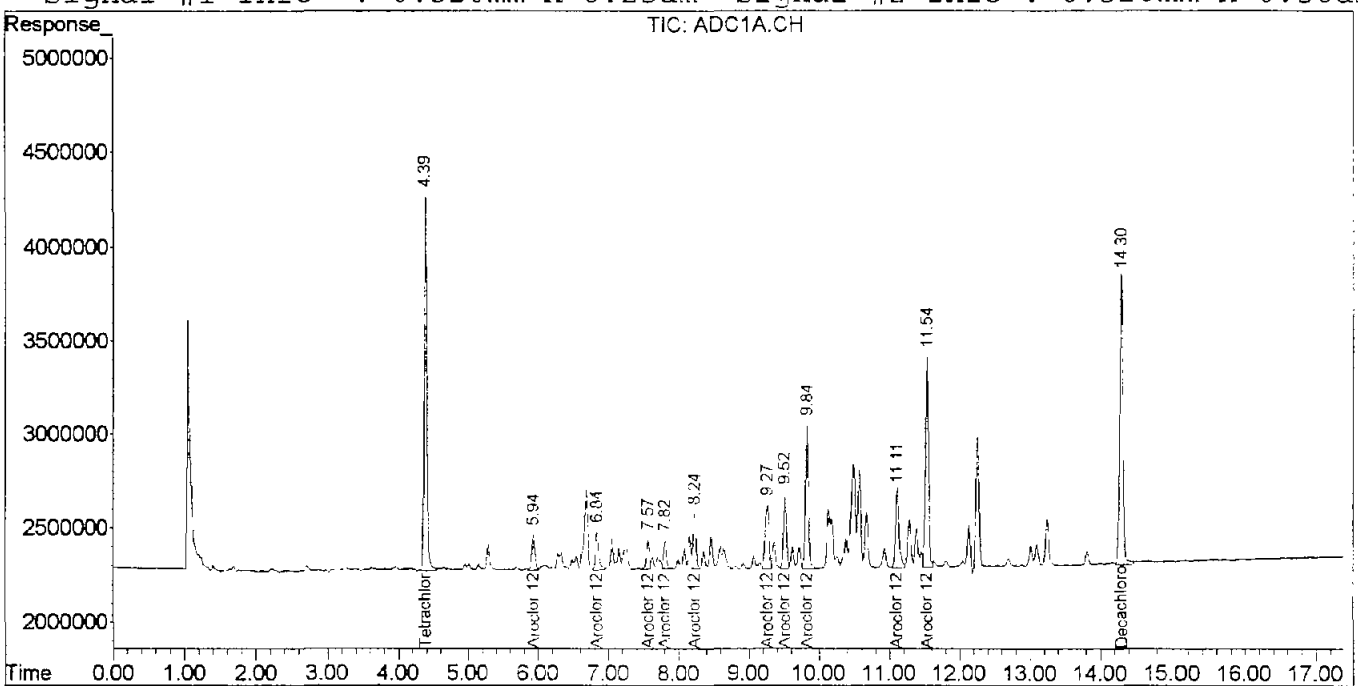
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.39	5.63	49282927	27653707	20.237	20.054
	Spiked Amount 20.000			Recovery	=	101.18%	100.27%
14)	S Decachlorobiphen	14.30	15.85	50030123	24831902	26.355	26.389
	Spiked Amount 20.000			Recovery	=	131.78%	131.94%
	Target Compounds						
2)	L3 Aroclor 1242	5.94	6.23	6267077	2666231	100.566	113.640
3)	L3 Aroclor 1242 (2)	6.84	6.84	6393748	2270483	108.802	106.383
4)	L3 Aroclor 1242 (3)	7.57	8.01	4156239	2911312	96.404	111.075
5)	L3 Aroclor 1242 (4)	7.82	8.20	4242424	1822621	114.466	113.391
6)	L3 Aroclor 1242 (5)	8.24	8.54	7926969	2193081	107.773	112.248
7)	L3 Aroclor 1242 - T	0.00	0.00	28986458	11863728	108.998m	113.810m
8)	L4 Aroclor 1260	9.27	10.69	12303963	5846775	120.482	117.481
9)	L4 Aroclor 1260 (2)	9.52	11.20	11684647	10023591	114.381	115.414
10)	L4 Aroclor 1260 (3)	9.84	11.91	22677808	7486382	115.764	126.053
11)	L4 Aroclor 1260 (4)	11.11	12.93	14431748	16680463	120.187	121.696
12)	L4 Aroclor 1260 (5)	11.54	13.50	35067074	9820551	107.751	126.408
13)	L4 Aroclor 1260 - T	0.00	0.00	96165239	49857761	113.711m	119.288m

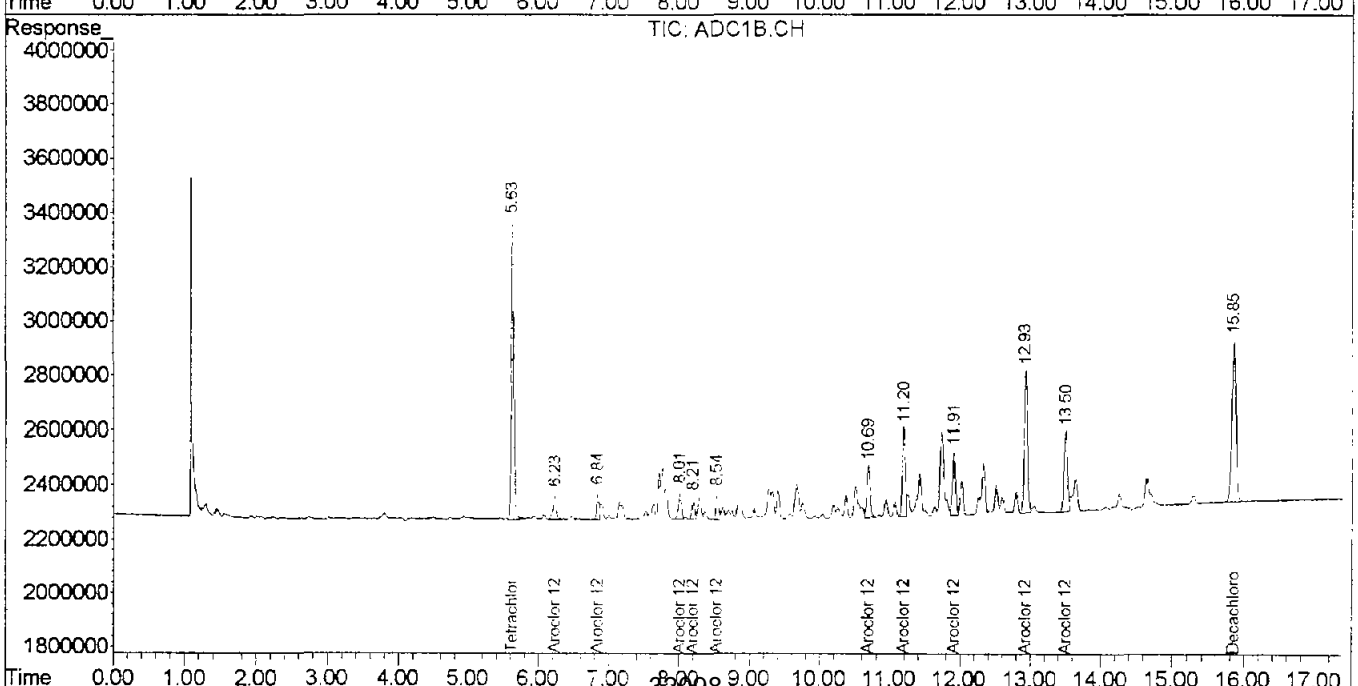
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2601.D\ADC1A.CH Vial: 41
Signal #2 : Z:\DATA\PB113004\PCB2601.D\ADC1B.CH
Acq On : 2 Dec 2004 3:42 am Operator: STM
Sample : PB0854 bs #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:52 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\PCB2621.D\ADC1A.CH Vial: 61
Signal #2 : Z:\DATA\PB113004\PCB2621.D\ADC1B.CH
Acq On : 2 Dec 2004 10:22 am Operator: STM
Sample : PBW0302 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 11:01:36 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	45611861	25735235	18.730	18.663
Spiked Amount 20.000			Recovery	=	93.65%	93.31%
14) S Decachlorobiphen	14.29	15.84	52638989	25788975	27.798	27.478
Spiked Amount 20.000			Recovery	=	138.99%	137.39%
Target Compounds						
2) L3 Aroclor 1242	5.93	6.22	6731007	2423549	108.011	103.296
3) L3 Aroclor 1242 {2}	6.84	6.84	4629681	2329991	74.990	109.172 #
4) L3 Aroclor 1242 {3}	7.57	8.01	3683356	3634283	85.436	~~141.000~~ #
5) L3 Aroclor 1242 {4}	7.81	8.20	4155577	1730245	112.123	106.881
6) L3 Aroclor 1242 {5}	8.23	8.54	7240457	2008222	97.059	101.876
7) L3 Aroclor 1242 - T	0.00	0.00	26440077	12126291	98.318m	~~116.566m~~
8) L4 Aroclor 1260	9.26	10.68	11052649	5585173	108.229	112.225
9) L4 Aroclor 1260 {2}	9.52	11.19	10820361	9711034	105.920	111.815
10) L4 Aroclor 1260 {3}	9.83	11.90	21259389	7249671	108.523	121.734
11) L4 Aroclor 1260 {4}	11.11	12.93	13610296	16051985	113.346	117.110
12) L4 Aroclor 1260 {5}	11.54	13.49	34110596	9520050	104.812	122.540
13) L4 Aroclor 1260 - T	0.00	0.00	90853290	48117913	107.430m	115.126m

105.306 /cl

contaminated delete

cl

32100

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

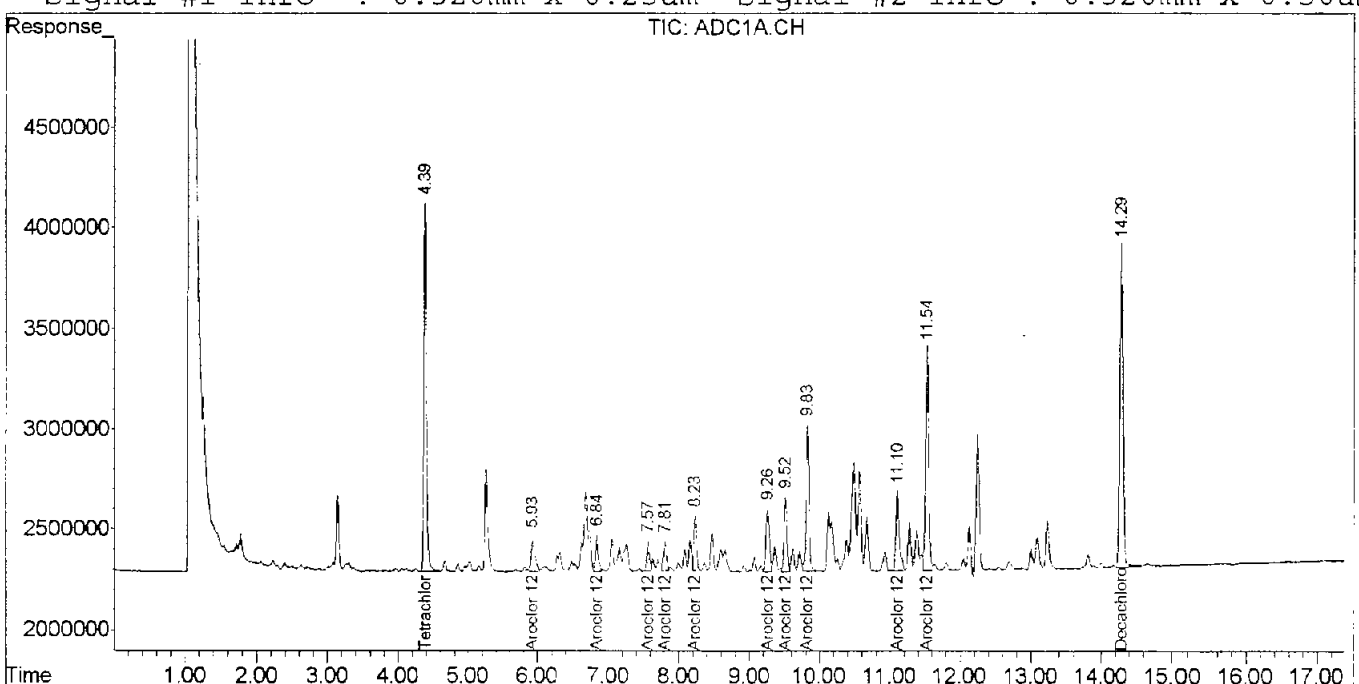
00947

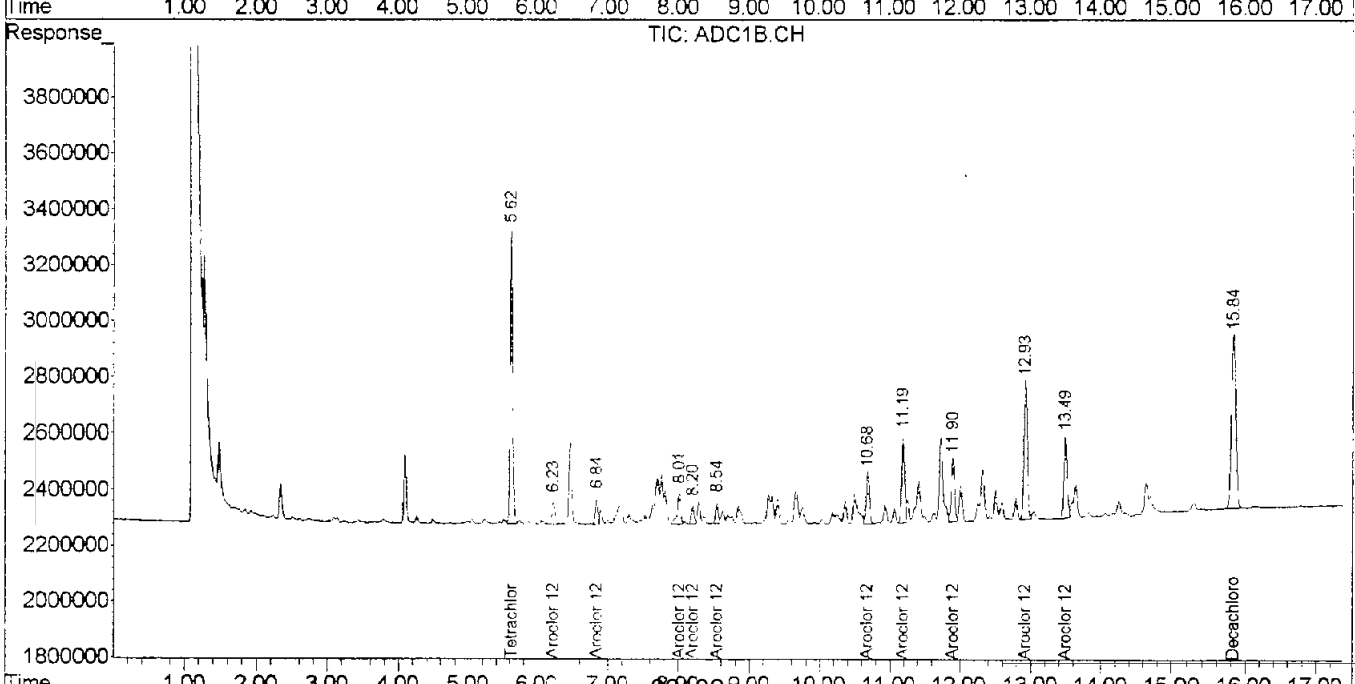
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2621.D\ADC1A.CH Vial: 61
Signal #2 : Z:\DATA\PB113004\PCB2621.D\ADC1B.CH
Acq On : 2 Dec 2004 10:22 am Operator: STM
Sample : PBW0302 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 11:01 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\PCB2602.D\ADC1A.CH Vial: 42
Signal #2 : Z:\DATA\PB113004\PCB2602.D\ADC1B.CH
Acq On : 2 Dec 2004 4:02 am Operator: STM
Sample : PB0854 bsd #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:52 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

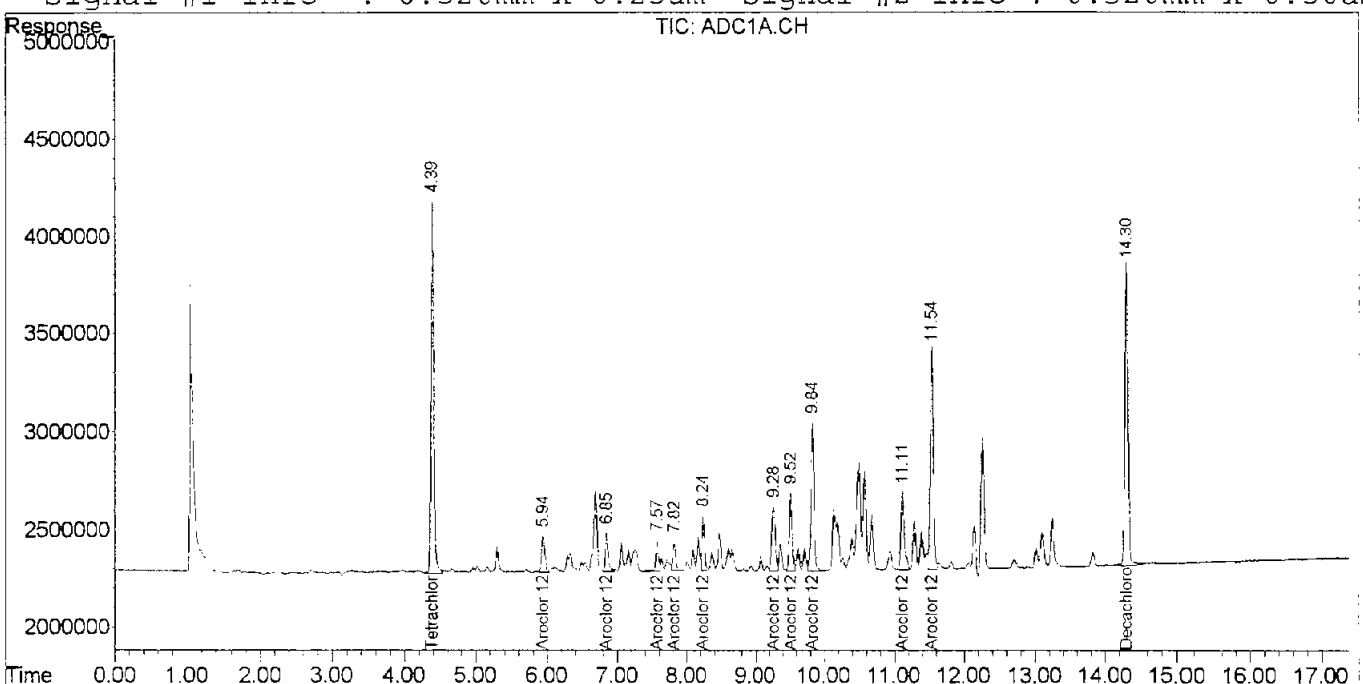
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S Tetrachloro-m-xy	4.39	5.63	48689767	27572309	19.994	19.995
Spiked Amount 20.000			Recovery =		99.97%	99.98%
14) S Decachlorobiphen	14.30	15.85	49605543	24680411	26.120	26.217
Spiked Amount 20.000			Recovery =		130.60%	131.08%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.23	5985232	2651700	96.043	113.020
3) L3 Aroclor 1242 {2}	6.85	6.84	6113450	2257661	103.429	105.783
4) L3 Aroclor 1242 {3}	7.57	8.02	4326553	2943127	100.354	112.392
5) L3 Aroclor 1242 {4}	7.82	8.21	4090565	1814596	110.368	112.825
6) L3 Aroclor 1242 {5}	8.24	8.54	7712803	2153700	104.431	110.038
7) L3 Aroclor 1242 - T	0.00	0.00	28228603	11820784	105.819m	113.360m
8) L4 Aroclor 1260	9.27	10.69	12100027	5730789	118.485	115.151
9) L4 Aroclor 1260 {2}	9.52	11.20	11509188	9902412	112.663	114.019
10) L4 Aroclor 1260 {3}	9.84	11.91	22305878	7349867	113.865	123.562
11) L4 Aroclor 1260 {4}	11.11	12.93	14170341	16426321	118.010	119.841
12) L4 Aroclor 1260 {5}	11.54	13.50	34719038	9697081	106.682	124.819
13) L4 Aroclor 1260 - T	0.00	0.00	94804472	49106471	112.102m	117.491m

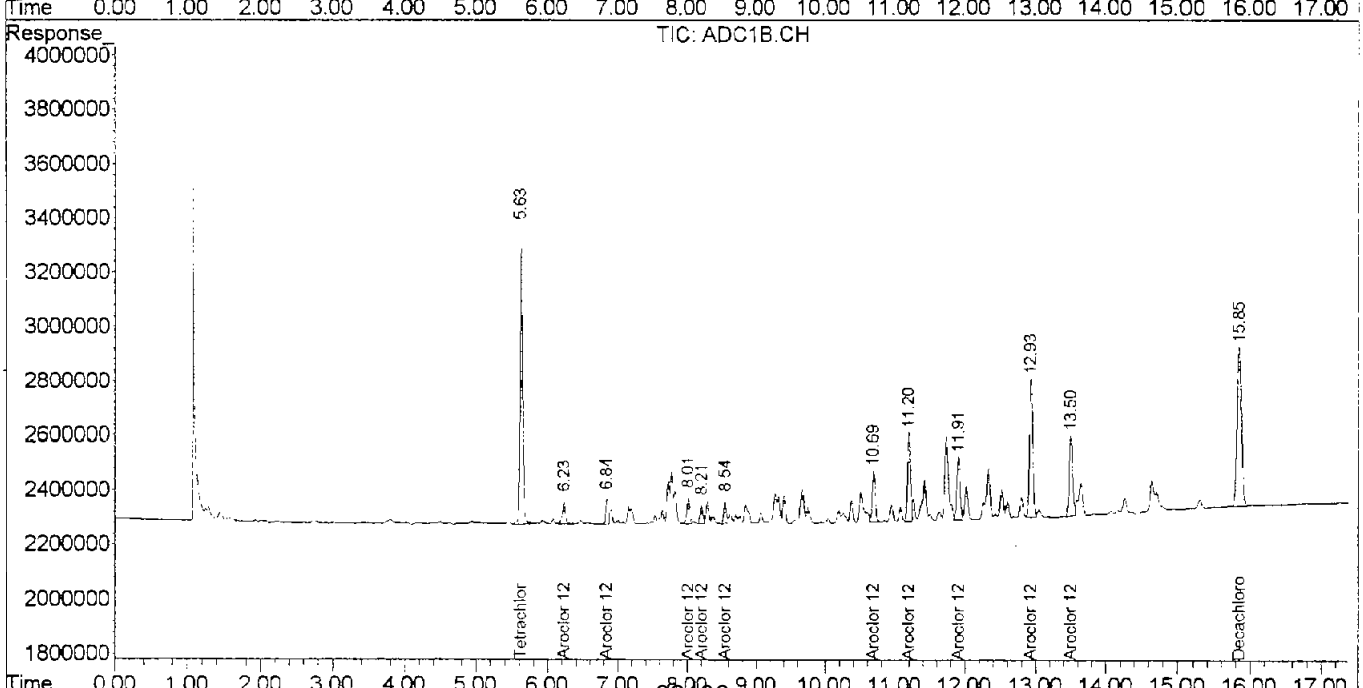
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2602.D\ADC1A.CH Vial: 42
Signal #2 : Z:\DATA\PB113004\PCB2602.D\ADC1B.CH
Acq On : 2 Dec 2004 4:02 am Operator: STM
Sample : PB0854 bsd #10 &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:52 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





MATIX SPIKE / MATRIX SPIKE DUPLICATE

00951

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2627.D\ADC1A.CH Vial: 67
Signal #2 : Z:\DATA\PB113004\PCB2627.D\ADC1B.CH
Acq On : 2 Dec 2004 12:22 pm Operator: STM
Sample : 124993-11 ms liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 13:03 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	5.62	45455930	26021218	18.666	18.870
	Spiked Amount 20.000			Recovery	=	93.33%	94.35%
14)	S Decachlorobiphen	14.28	15.83	50102995	24905922	26.396	26.473-N
	Spiked Amount 20.000			Recovery	=	131.98%	132.37%
	Target Compounds						
2)	L3 Aroclor 1242	5.93	6.22	6316991	2494743	101.367	106.331
3)	L3 Aroclor 1242 {2}	6.83	6.83	4747409	2270479	77.247	106.383
4)	L3 Aroclor 1242 {3}	7.56	8.01	5298327	6522303	122.895	~~260.539~~ #
5)	L3 Aroclor 1242 {4}	7.79	8.19	7893652	1681670	~~212.980~~	103.457 #
6)	L3 Aroclor 1242 {5}	8.22	8.53	7002407	2103711	93.343	107.234
7)	L3 Aroclor 1242 - T	0.00	0.00	31258786	15072906	~~118.5~~28m	~~147.492~~m
8)	L4 Aroclor 1260	9.25	10.67	11479340	5602903	112.407	112.581
9)	L4 Aroclor 1260 {2}	9.51	11.18	11217016	9757473	109.803	112.350
10)	L4 Aroclor 1260 {3}	9.82	11.89	21862866	7318073	111.604	122.982
11)	L4 Aroclor 1260 {4}	11.10	12.91	13667870	16200461	113.826	118.194
12)	L4 Aroclor 1260 {5}	11.53	13.48	34211750	9672373	105.123	124.501
13)	L4 Aroclor 1260 - T	0.00	0.00	92438843	48551284	109.305m	116.163m

98.713 105.851

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PCB2627.D 42601130.M Tue Dec 28 15:30:30 2004 Page 1

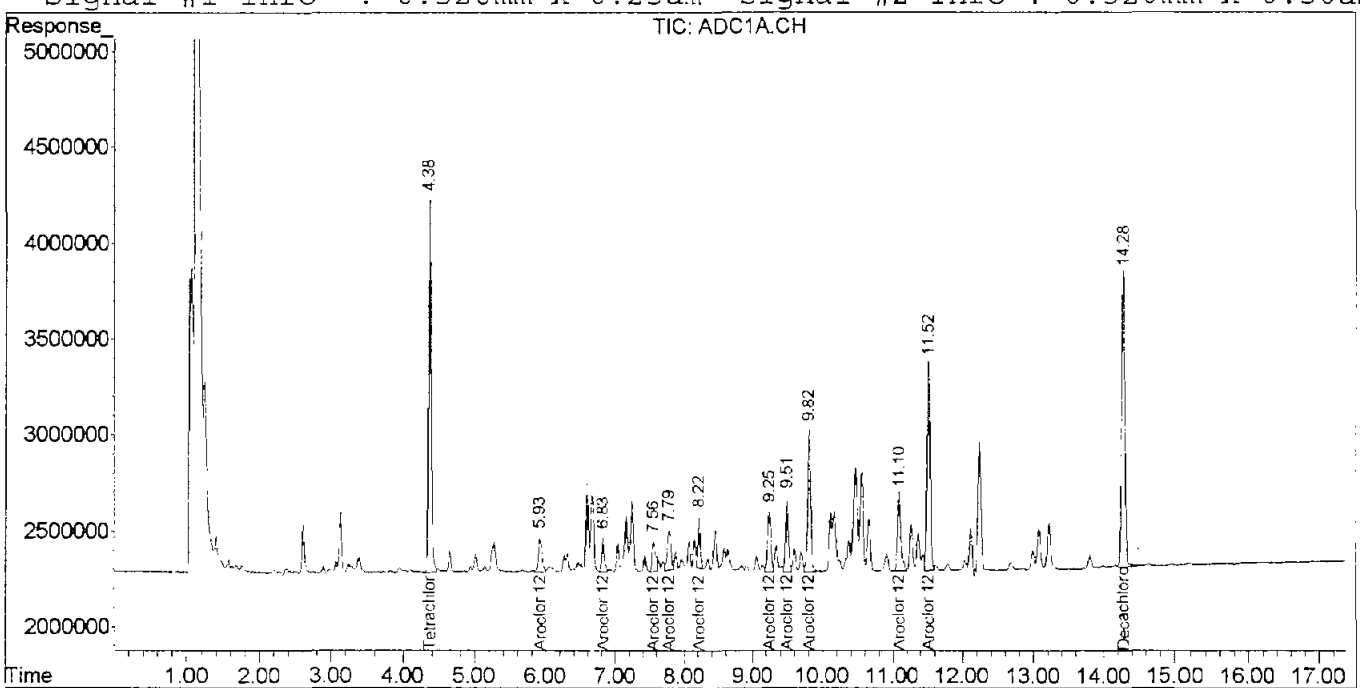
00952

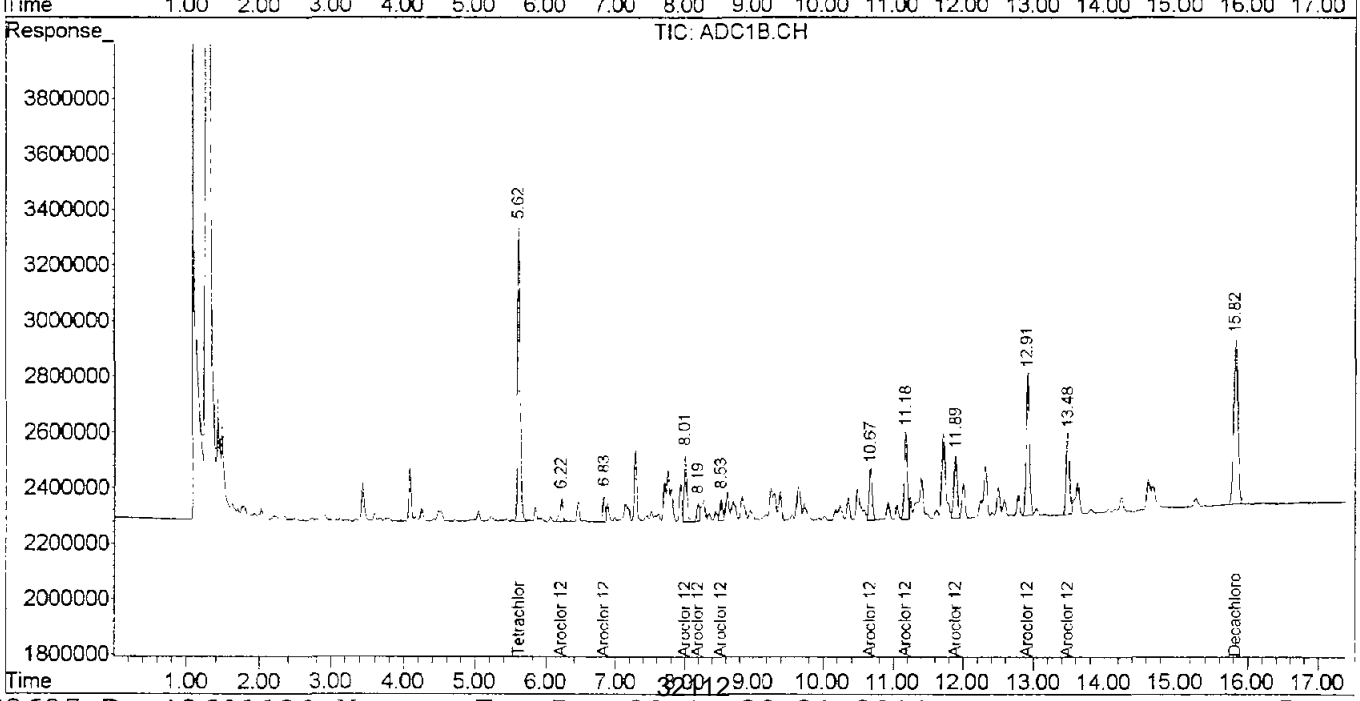
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2627.D\ADC1A.CH Vial: 67
Signal #2 : Z:\DATA\PB113004\PCB2627.D\ADC1B.CH
Acq On : 2 Dec 2004 12:22 pm Operator: STM
Sample : 124993-11 ms liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 13:03 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





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Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2628.D\ADC1A.CH Vial: 68
Signal #2 : Z:\DATA\PB113004\PCB2628.D\ADC1B.CH
Acq On : 2 Dec 2004 12:41 pm Operator: STM
Sample : 124993-11 msd liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 13:03 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

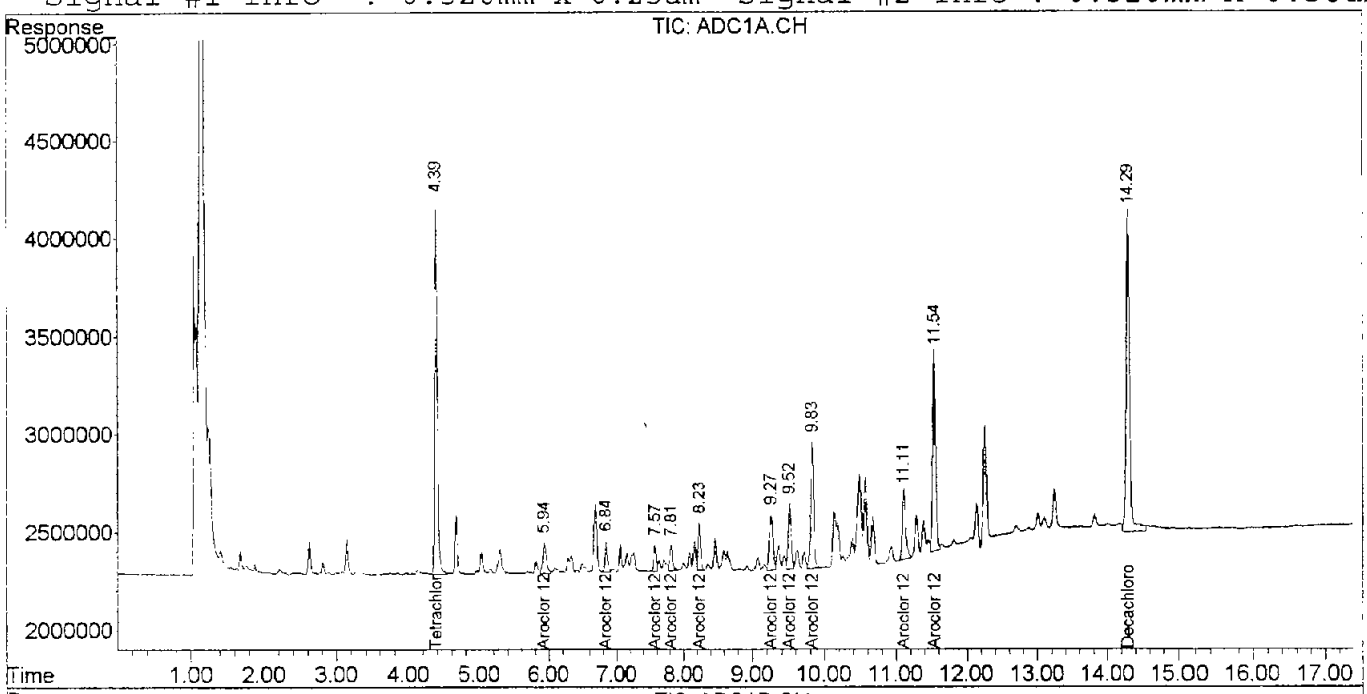
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.39	5.62	46603774	26555922	19.137	19.258
	Spiked Amount 20.000			Recovery	=	95.69%	96.29%
14)	S Decachlorobiphen	14.29	15.84	56512493	25378293	29.941	27.011
	Spiked Amount 20.000			Recovery	=	149.71%	135.05%
	Target Compounds						
2)	L3 Aroclor 1242	5.93	6.23	5706187	2208095	91.566	94.113
3)	L3 Aroclor 1242 {2}	6.84	6.83	4160178	2787689	65.991	~~130.617~~ #
4)	L3 Aroclor 1242 {3}	7.57	8.01	3287400	2625949	76.251	99.264
5)	L3 Aroclor 1242 {4}	7.81	8.20	3845102	1434232	103.746	86.019
6)	L3 Aroclor 1242 {5}	8.23	8.54	6453936	1852533	84.783	93.140
7)	L3 Aroclor 1242 - T	0.00	0.00	23452802	10908498	85.790m	~~103.785~~m
8)	L4 Aroclor 1260	9.27	10.69	10187448	5184596	99.756	104.176
9)	L4 Aroclor 1260 {2}	9.52	11.19	9772032	8676414	95.658	99.902
10)	L4 Aroclor 1260 {3}	9.83	11.91	19159204	6262018	97.802	103.712
11)	L4 Aroclor 1260 {4}	11.11	12.93	11619335	14330461	96.766	104.551
12)	L4 Aroclor 1260 {5}	11.54	13.50	29565370	8244969	90.846	106.128
13)	L4 Aroclor 1260 - T	0.00	0.00	80303389	42698458	94.955m	102.159m

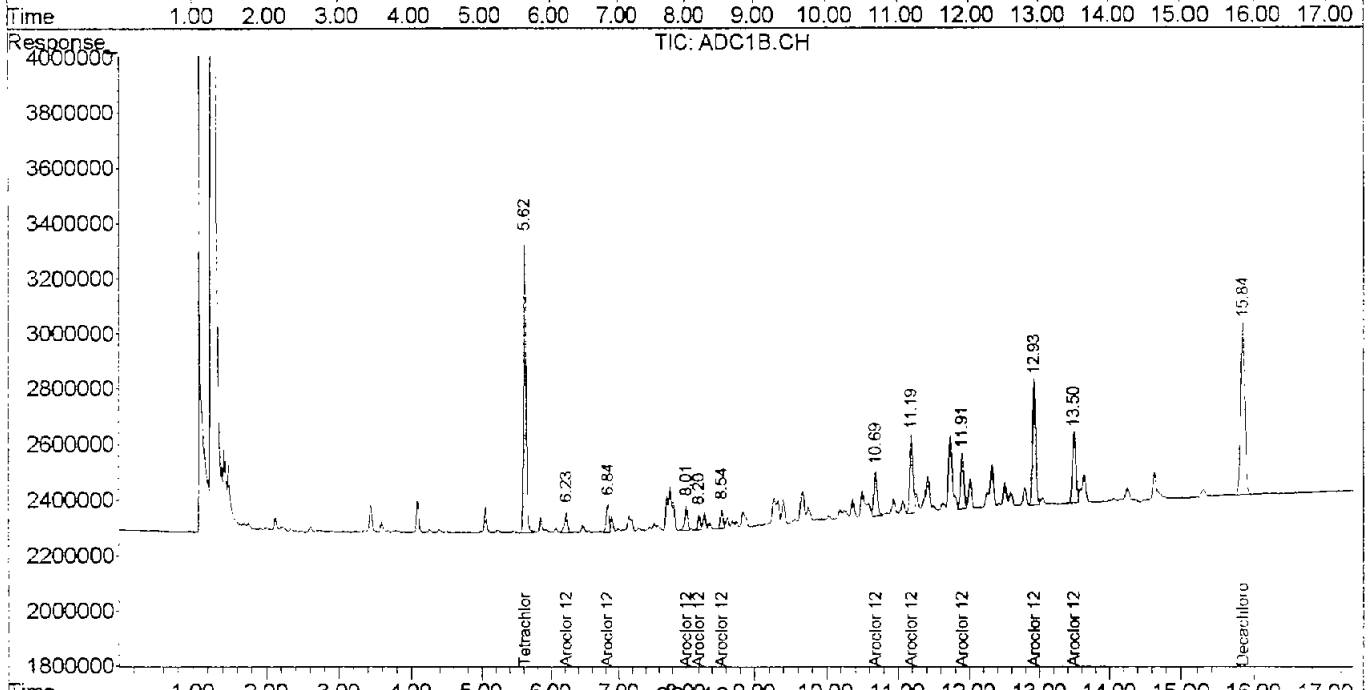
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2628.D\ADC1A.CH Vial: 68
Signal #2 : Z:\DATA\PB113004\PCB2628.D\ADC1B.CH
Acq On : 2 Dec 2004 12:41 pm Operator: STM
Sample : 124993-11 msd liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 13:03 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 (QT Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2638.D\ADC1A.CH Vial: 78
Signal #2 : Z:\DATA\PB113004\PCB2638.D\ADC1B.CH
Acq On : 2 Dec 2004 4:02 pm Operator: STM
Sample : 125010-2 ms liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 02 17:46:20 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	45178505	25940496	18.552	18.812
Spiked Amount 20.000			Recovery	=	92.76%	94.06%
14) S Decachlorobiphen	14.30	15.84	53418218	26242609	28.229	27.994
Spiked Amount 20.000			Recovery	=	141.14%	139.97%
Target Compounds						
2) L3 Aroclor 1242	5.94	6.23	6706165	2466380	107.612	105.122
3) L3 Aroclor 1242 {2}	6.84	6.84	4548573	2957631	73.436	138.580 #
4) L3 Aroclor 1242 {3}	7.57	8.02	3765796	3542187	87.348	137.188 #
5) L3 Aroclor 1242 {4}	7.82	8.21	4370575	1792574	117.924	111.273
6) L3 Aroclor 1242 {5}	8.24	8.54	11056901	2147914	156.624	109.714
7) L3 Aroclor 1242 - T	0.00	0.00	30448011	12906685	115.128m	124.757m
8) L4 Aroclor 1260	9.27	10.69	11414587	5737321	111.773m	115.282m
9) L4 Aroclor 1260 {2}	9.52	11.19	11005130	9911637	107.729m	114.125m
10) L4 Aroclor 1260 {3}	9.84	11.91	22496550	7797973	114.838m	131.739m
11) L4 Aroclor 1260 {4}	11.11	12.93	13050052	17116414	108.681m	124.876
12) L4 Aroclor 1260 {5}	11.54	13.50	35454610	10258452	108.942m	132.045
13) L4 Aroclor 1260 - T	0.00	0.00	93420928	50821797	110.466m	121.595m

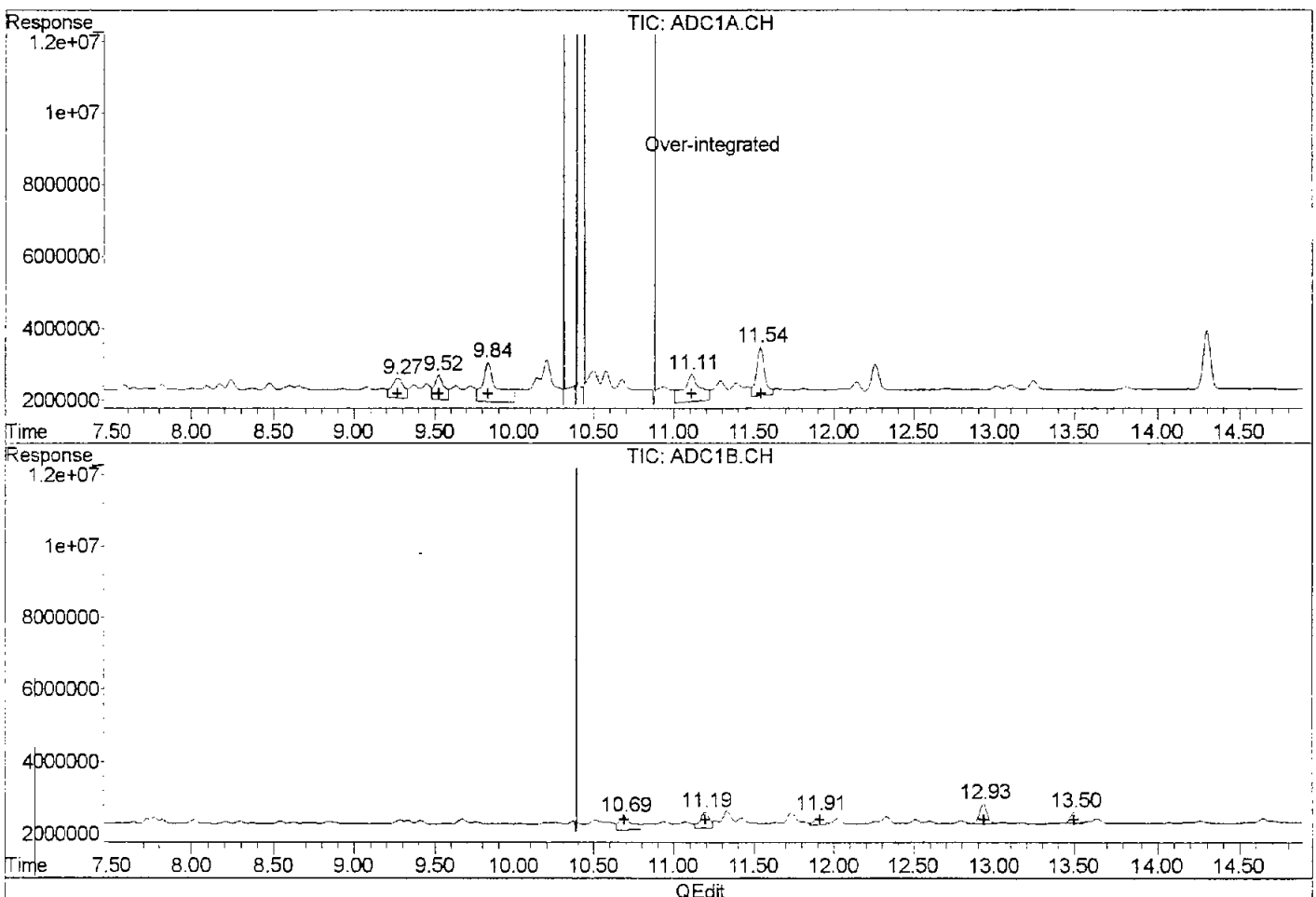
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

095600

Quantitation Report (Qedit)

Signal #1 : Z:\DATA\PB113004\PCB2638.D\ADC1A.CH Vial: 78
Signal #2 : Z:\DATA\PB113004\PCB2638.D\ADC1B.CH
Acq On : 2 Dec 2004 4:02 pm Operator: STM
Sample : 125010-2 ms liquid &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

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



(8) Aroclor 1260 (L4)

R.T.	Response	Conc
9.27	28006634	274.24
9.52	28365544	277.67
9.84	69740790	356.01
11.11	55897287	465.51
11.54	48583425	149.28

(8) Aroclor 1260 #2 (L4)

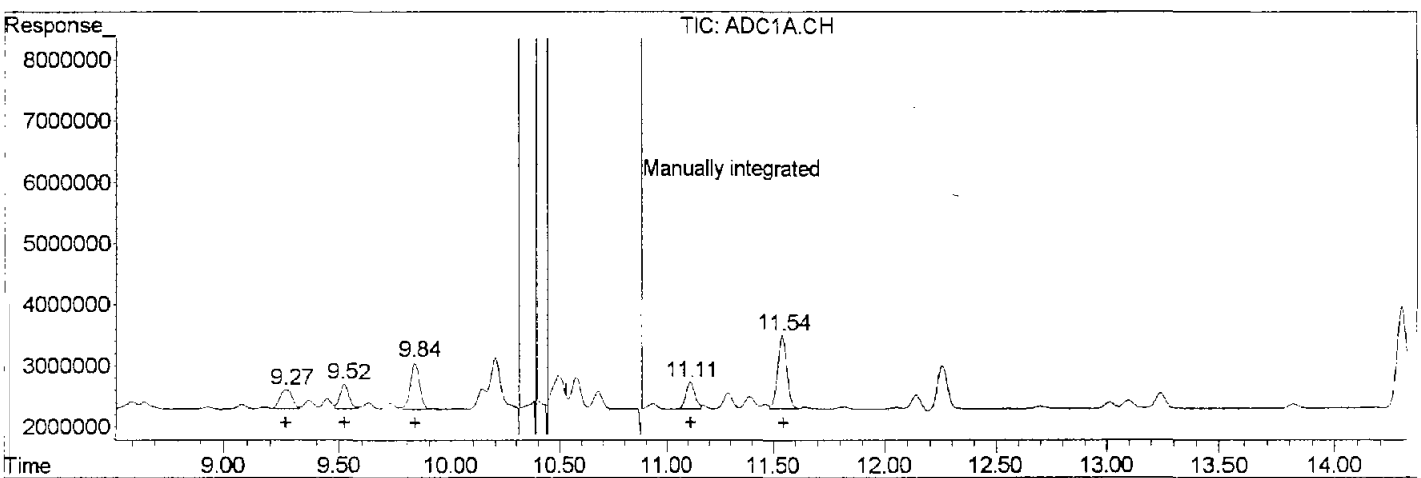
R.T.	Response	Conc
10.69	21050439	422.97
11.19	17574112	202.35
11.91	9503794	162.87
12.93	17116414	124.88
13.50	10258452	132.04

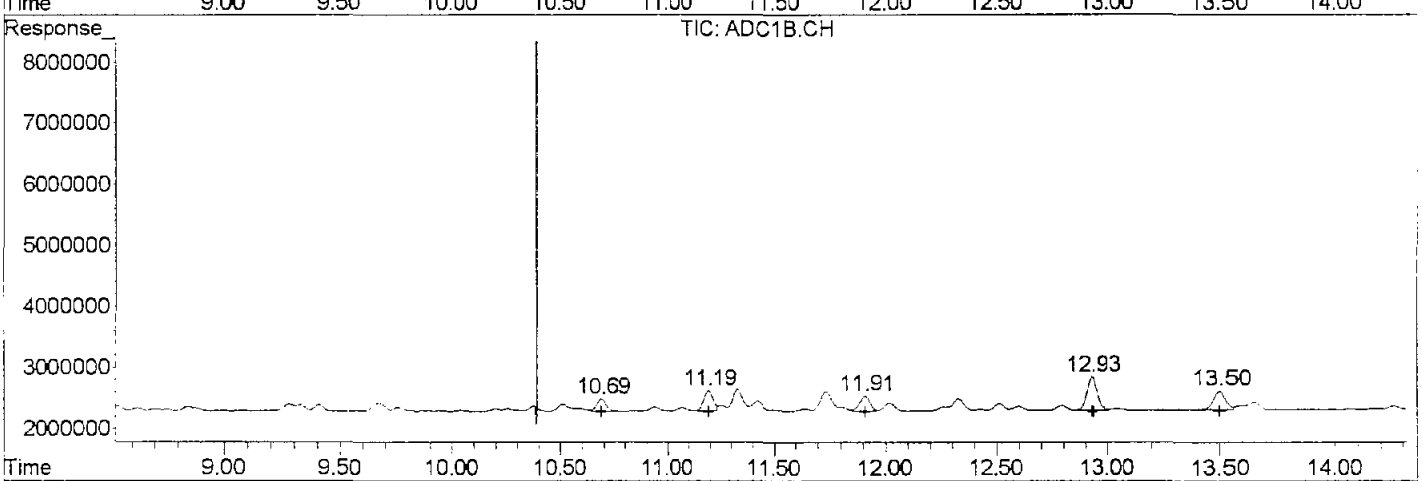
(+) = Expected Retention Time

Quantitation Report (Qedit)

Signal #1 : Z:\DATA\PB113004\PCB2638.D\ADC1A.CH Vial: 78
Signal #2 : Z:\DATA\PB113004\PCB2638.D\ADC1B.CH
Acq On : 2 Dec 2004 4:02 pm Operator: STM
Sample : 125010-2 ms liquid &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

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





QEdit

(8) Aroclor 1260 #2 (L4)

R.T.	Response	Conc
9.27	11414587	111.77
9.52	11005130	107.73
9.84	22496550	114.84
11.11	13050052	108.68
11.54	35454610	108.94

(8) Aroclor 1260 #2 (L4)

R.T.	Response	Conc
10.69	5737321	115.28
11.19	9911637	114.12
11.91	7797973	131.74
12.93	17116414	124.88
13.50	10258452	132.04

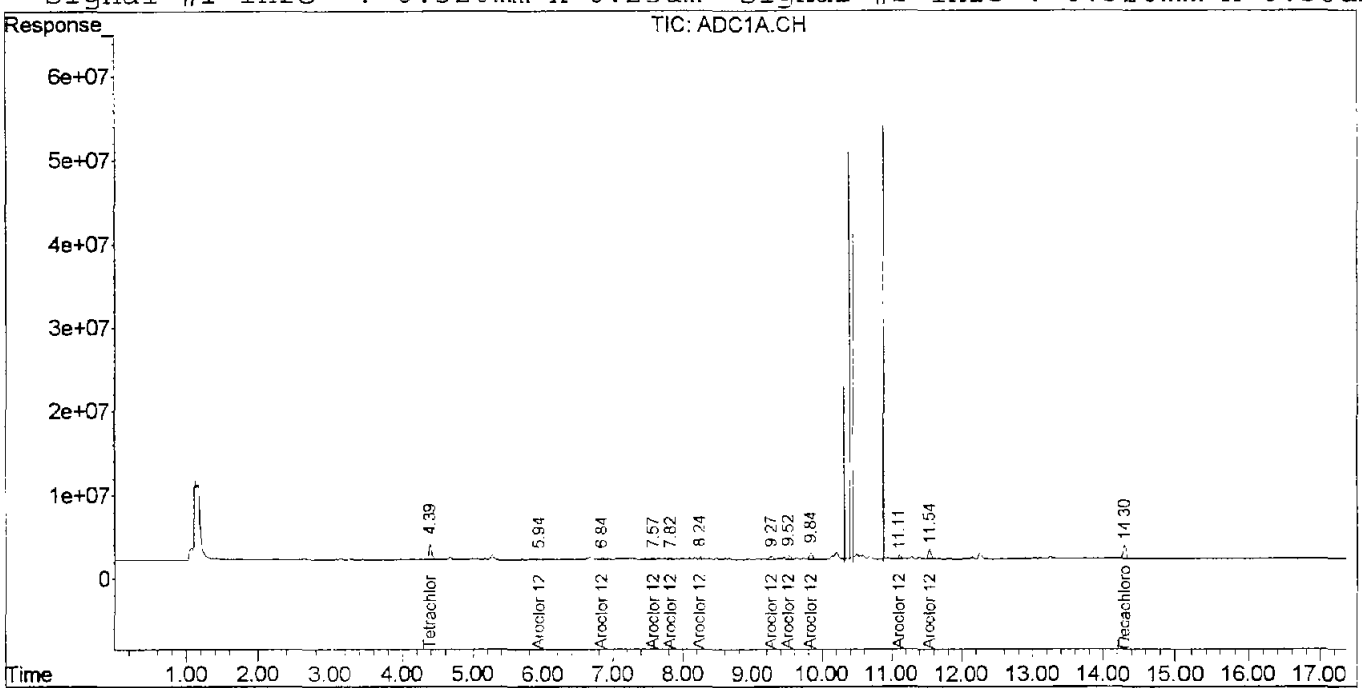
(+) = Expected Retention Time

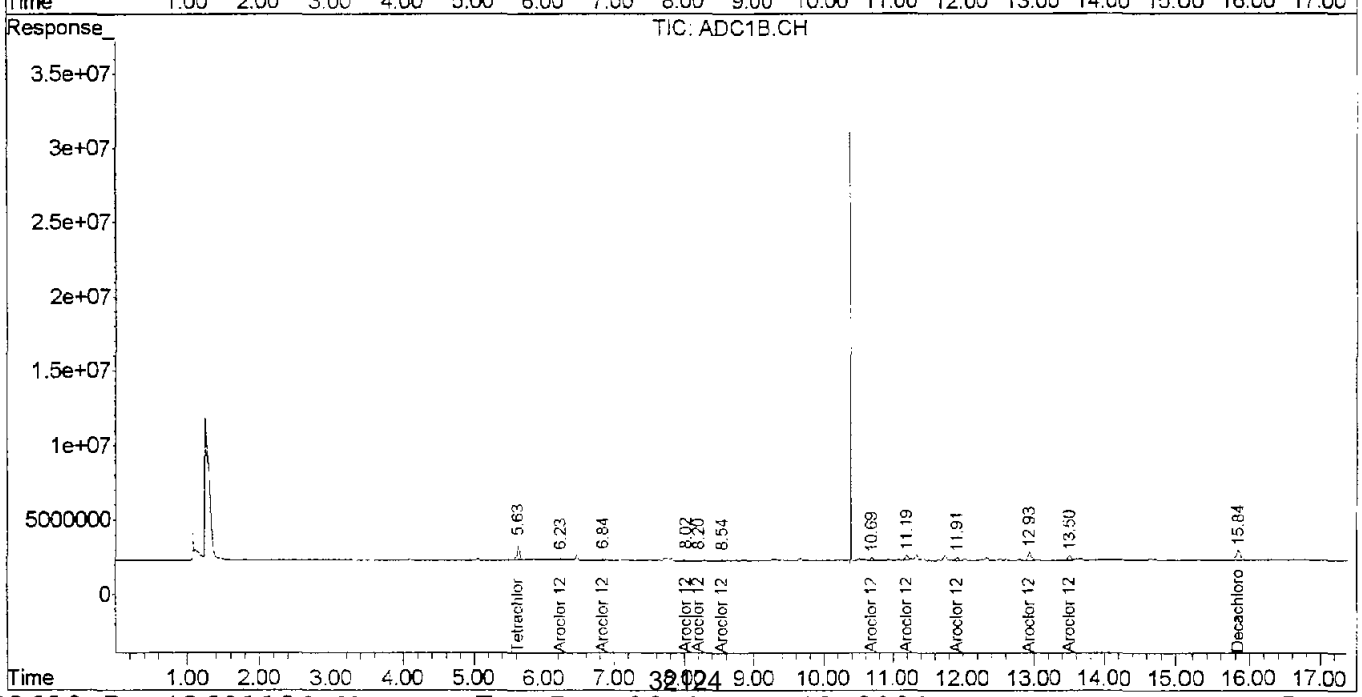
Quantitation Report (QT Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2638.D\ADC1A.CH Vial: 78
Signal #2 : Z:\DATA\PB113004\PCB2638.D\ADC1B.CH
Acq On : 2 Dec 2004 4:02 pm Operator: STM
Sample : 125010-2 ms liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 28 15:43 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 : 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\PCB2639.D\ADC1A.CH Vial: 79
Signal #2 : Z:\DATA\PB113004\PCB2639.D\ADC1B.CH
Acq On : 2 Dec 2004 4:22 pm Operator: STM
Sample : 125010-2 msd liquid &1 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 02 17:46:29 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

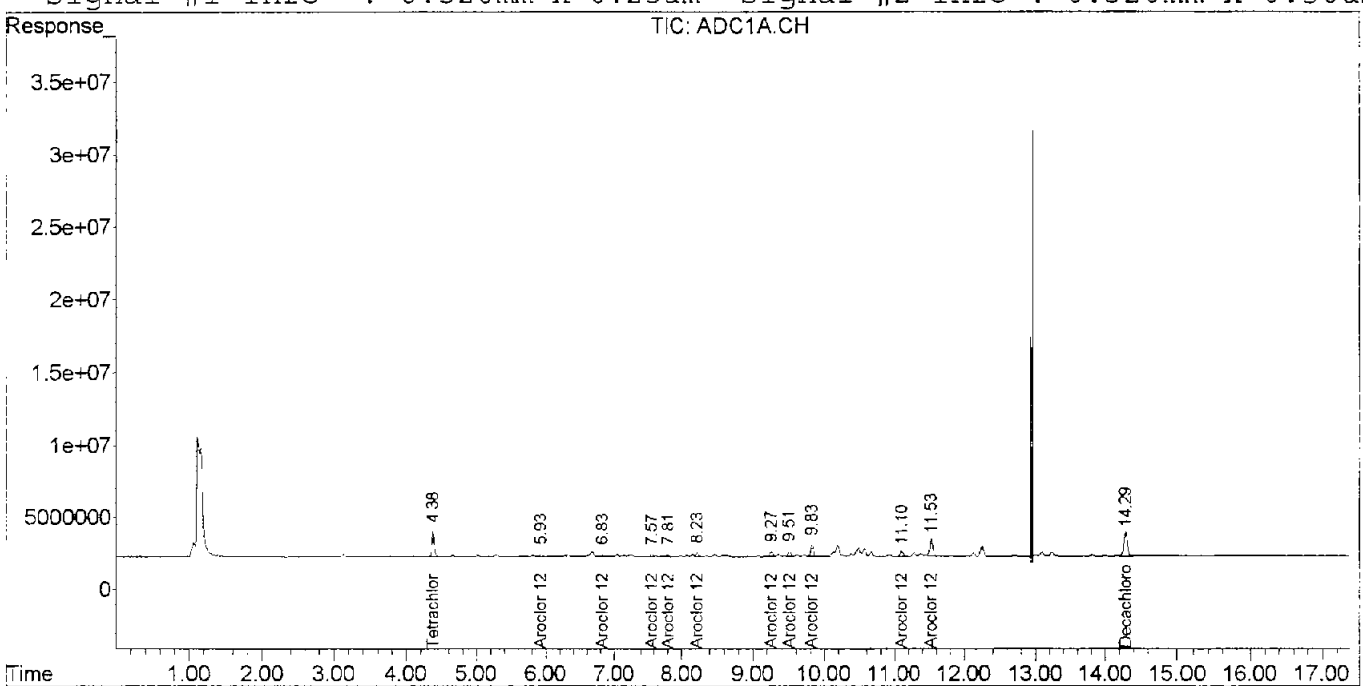
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	4.38	5.62	41301431	23926516	16.960	17.351
	Spiked Amount 20.000			Recovery =		84.80%	86.75%
14)	S Decachlorobiphen	14.29	15.84	53485524	26784147	28.266	28.609
	Spiked Amount 20.000			Recovery =		141.33%	143.04%
	Target Compounds						
2)	L3 Aroclor 1242	5.93	6.22	6639247	2410121	106.538	102.724
3)	L3 Aroclor 1242 {2}	6.84	6.83	4392599	3645498	70.446	170.810 #
4)	L3 Aroclor 1242 {3}	7.57	8.01	3264345	2770685	75.717	105.254
5)	L3 Aroclor 1242 {4}	7.81	8.20	4028103	1651778	108.683	101.351
6)	L3 Aroclor 1242 {5}	8.23	8.53	7236074	2096911	96.990	106.852
7)	L3 Aroclor 1242 - T	0.00	0.00	25560368	12574993	94.629m	121.275m
8)	L4 Aroclor 1260	9.26	10.68	11801018	5742818	115.557	115.393
9)	L4 Aroclor 1260 {2}	9.51	11.19	11502327	9986675	112.596	114.989
10)	L4 Aroclor 1260 {3}	9.83	11.90	22736642	7575630	116.064	127.682
11)	L4 Aroclor 1260 {4}	11.10	12.92	14468433	16972510	120.493	123.826
12)	L4 Aroclor 1260 {5}	11.53	13.49	36091147	10156741	110.898	130.735
13)	L4 Aroclor 1260 - T	0.00	0.00	96599568	50434373	114.225m	120.668m

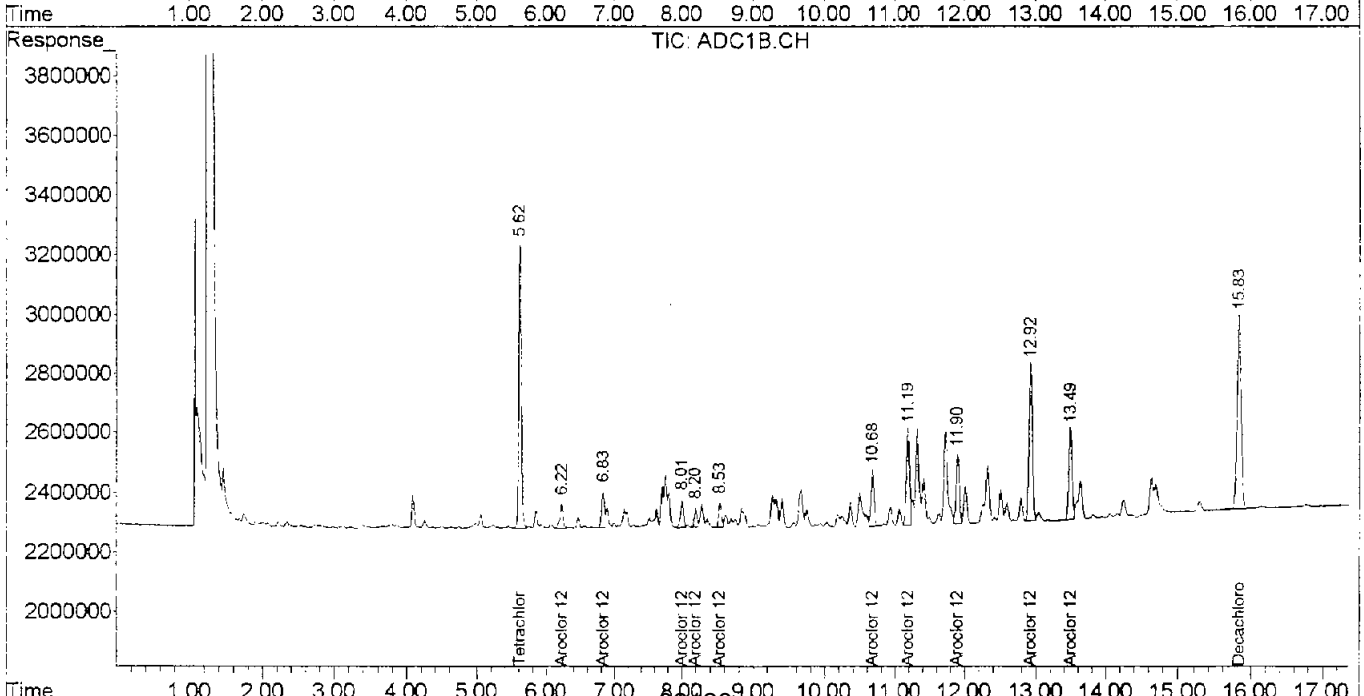
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2639.D\ADC1A.CH Vial: 79
Signal #2 : Z:\DATA\PB113004\PCB2639.D\ADC1B.CH
Acq On : 2 Dec 2004 4:22 pm Operator: STM
Sample : 125010-2 msd liquid &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





32128
19600

Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2608.D\ADC1A.CH Vial: 48
Signal #2 : Z:\DATA\PB113004\PCB2608.D\ADC1B.CH
Acq On : 2 Dec 2004 6:02 am Operator: STM
Sample : 124993-7 ms &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:54 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	5.62	47897505	27167048	19.668	19.701
	Spiked Amount 20.000			Recovery =		98.34%	98.50%
14)	S Decachlorobiphen	14.29	15.84	48938616	24572476	25.752	26.094
	Spiked Amount 20.000			Recovery =		128.76%	130.47%
	Target Compounds						
2)	L3 Aroclor 1242	5.94	6.22	5796227	2424754	93.010	103.348
3)	L3 Aroclor 1242 {2}	6.84	6.84	5779397	2263083	97.027	106.037
4)	L3 Aroclor 1242 {3}	7.57	8.01	3949267	2908023	91.603	110.939
5)	L3 Aroclor 1242 {4}	7.81	8.20	4068177	1761616	109.764	109.091
6)	L3 Aroclor 1242 {5}	8.23	8.54	7542303	2122281	101.770	108.275
7)	L3 Aroclor 1242 - T	0.00	0.00	27135371	11479758	101.234m	109.780m
8)	L4 Aroclor 1260	9.27	10.68	11390068	5669837	111.533	113.926
9)	L4 Aroclor 1260 {2}	9.52	11.19	11201402	9835420	109.651	113.247
10)	L4 Aroclor 1260 {3}	9.83	11.90	21954973	7346466	112.074	123.500
11)	L4 Aroclor 1260 {4}	11.11	12.93	13774262	16297164	114.712	118.899
12)	L4 Aroclor 1260 {5}	11.54	13.49	34093632	9692371	104.760	124.758
13)	L4 Aroclor 1260 - T	0.00	0.00	92414337	48841257	109.276m	116.856m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PCB2608.D 42601130.M Tue Dec 28 17:33:30 2004 Page 1

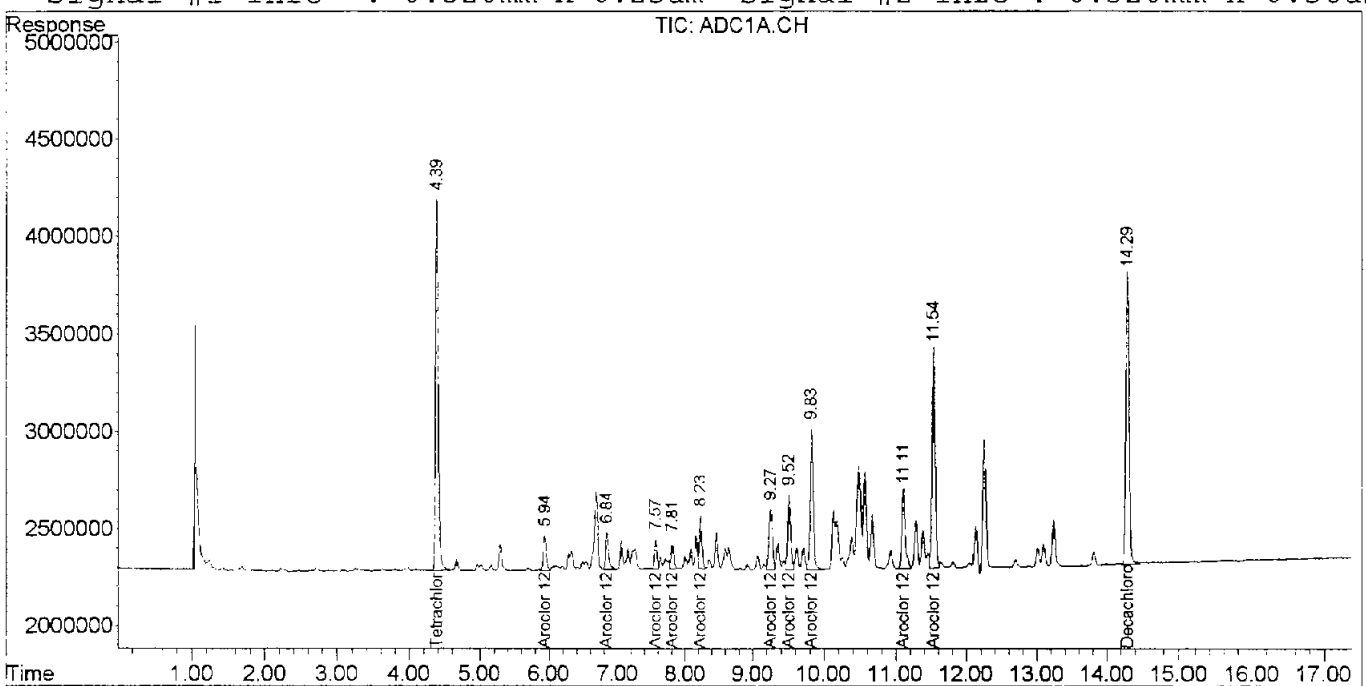
00962

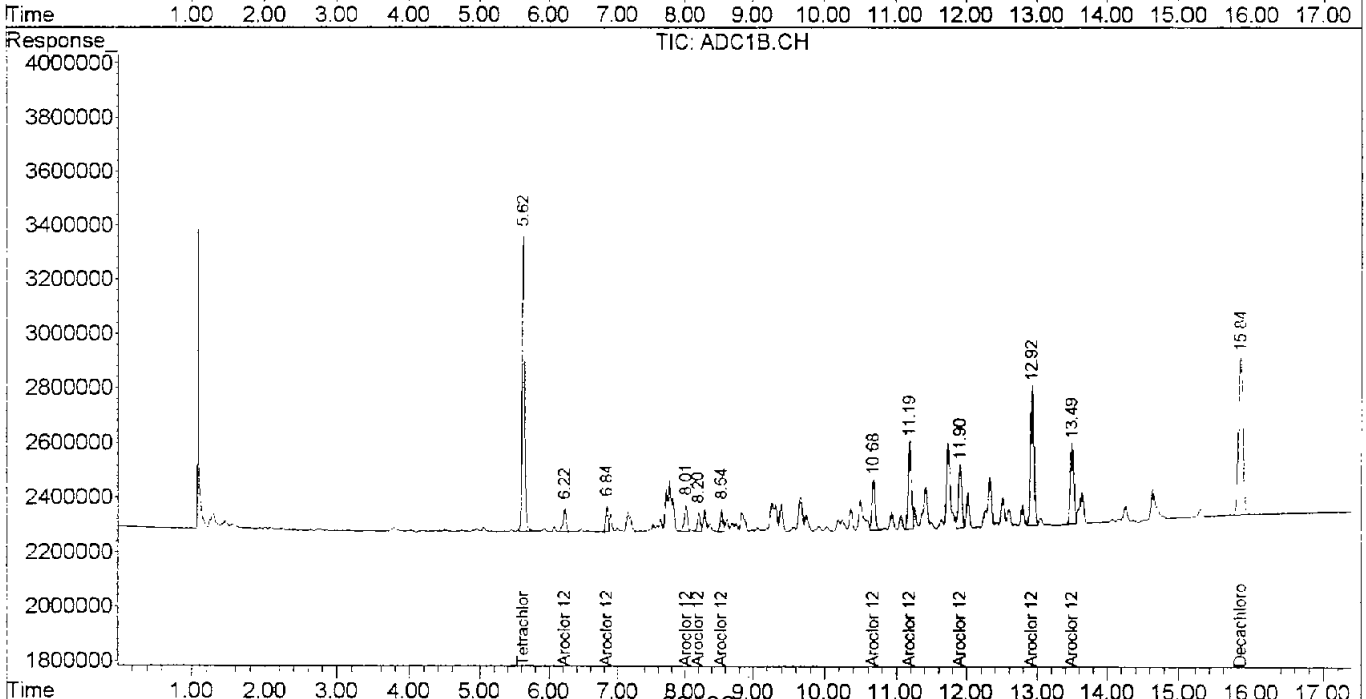
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2608.D\ADC1A.CH Vial: 48
Signal #2 : Z:\DATA\PB113004\PCB2608.D\ADC1B.CH
Acq On : 2 Dec 2004 6:02 am Operator: STM
Sample : 124993-7 ms &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:54 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\PCB2609.D\ADC1A.CH Vial: 49
Signal #2 : Z:\DATA\PB113004\PCB2609.D\ADC1B.CH
Acq On : 2 Dec 2004 6:22 am Operator: STM
Sample : 124993-7 msd &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:54 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	46301145	26358755	19.013	19.115
	Spiked Amount 20.000			Recovery	=	95.07%	95.57%
14)	S Decachlorobiphen	14.29	15.84	48968721	24371120	25.768	25.865
	Spiked Amount 20.000			Recovery	=	128.84%	129.32%
	Target Compounds						
2)	L3 Aroclor 1242	5.94	6.23	6341984	2290665	101.768	97.632
3)	L3 Aroclor 1242 {2}	6.84	6.84	6143524	2208035	104.006	103.457
4)	L3 Aroclor 1242 {3}	7.57	8.01	3986357	2827710	92.464	107.615
5)	L3 Aroclor 1242 {4}	7.81	8.20	4068117	1751454	109.763	108.375
6)	L3 Aroclor 1242 {5}	8.23	8.54	7641727	2094951	103.321	106.742
7)	L3 Aroclor 1242 - T	0.00	0.00	28181710	11172815	105.623m	106.559m
8)	L4 Aroclor 1260	9.26	10.69	11513612	5649775	112.742	113.523
9)	L4 Aroclor 1260 {2}	9.52	11.19	11250990	9826944	110.136	113.150
10)	L4 Aroclor 1260 {3}	9.83	11.91	22012060	7322024	112.365	123.054
11)	L4 Aroclor 1260 {4}	11.11	12.93	13954655	16231098	116.214	118.417
12)	L4 Aroclor 1260 {5}	11.54	13.50	34264663	9665891	105.286	124.417
13)	L4 Aroclor 1260 - T	0.00	0.00	92995981	48695733	109.964m	116.508m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.
PCB2609.D 42601130.M Tue Dec 28 17:33:34 2004 Page 1

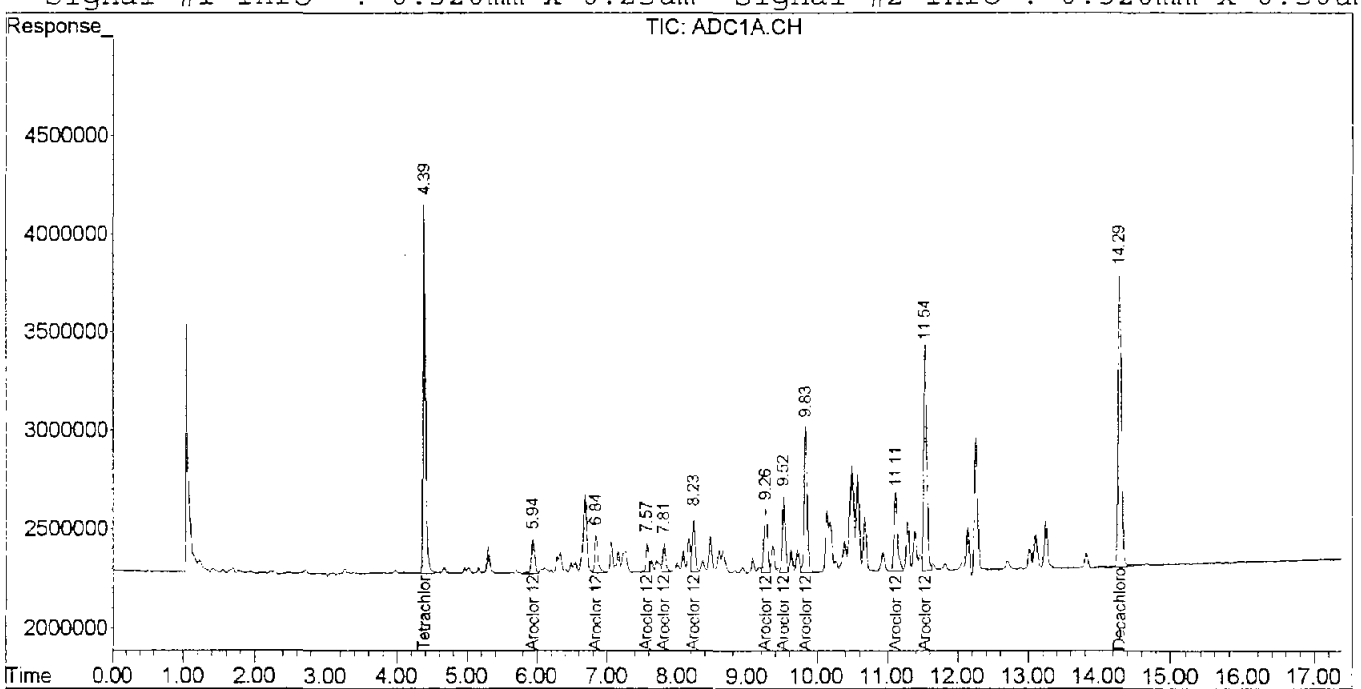
00964

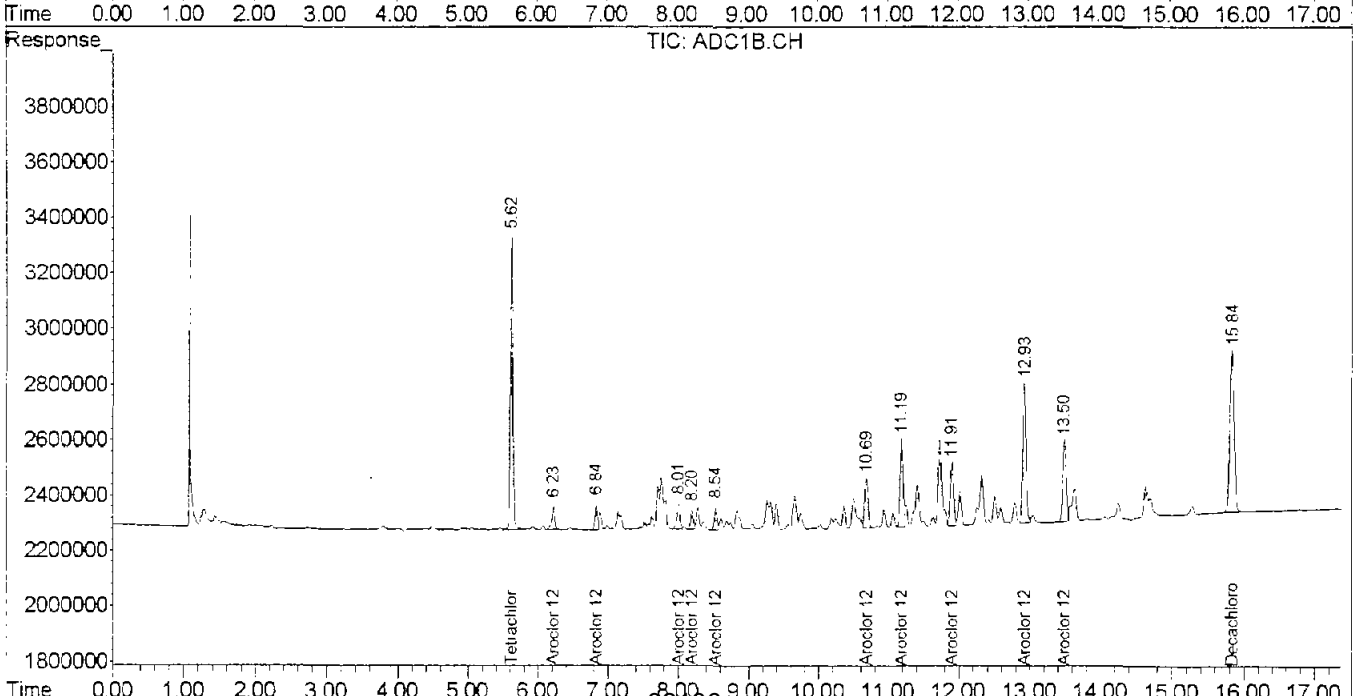
Quantitation Report (Not Reviewed)

Signal #1 : Z:\DATA\PB113004\PCB2609.D\ADC1A.CH Vial: 49
Signal #2 : Z:\DATA\PB113004\PCB2609.D\ADC1B.CH
Acq On : 2 Dec 2004 6:22 am Operator: STM
Sample : 124993-7 msd &10 Inst : Dual Colu
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 2 9:54 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





LABORATORY WORKSHEETS

00966

PCB's Worksheet - total

11/23

QC Level:Tier IV	**Due: 11/30/04**
Matrix:Liquid	**Work Order - 124945**
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

See attached "E" BJC

Sample number 124945-1	
Sample Weight/Volume	970
Client Sample ID	041116SGA01GW
Date Received	11/18/2004
Date Sampled	**1/16/2004 10:30:00 AM**

PCB's

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst LTM Date 12/28/04

Reviewed by (DB) Date 32140 12/29/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

009677

PCB's Worksheet - total

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:solid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie	

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

See attached

~~Sample number 124945-3~~	Client Sample ID	041116SGA02SS
Sample Weight/Volume	Date Received	11/18/2004
	Date Sampled	**11/16/2004 3:15:00 PM**

PCB's

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst ATM Date 12/28/04

Reviewed by [illegible] Date 32142 12/29/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

89688

Printed - 11/23/04

PCB Analysis by USEPA Method 8082

QCBatch ID	PBW0302	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 / th 11-22-04			11/23/04
		Extracted By/Date rjc / th 11-22-04			
Na2SO4 Lot Number	Y49147	low level 8082 list (extraction log created and generated			
MeCl2 Lot Number	A35E08	11/23/04)			
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	PBW0302	1000	1	10	N/A
Duplicate					
Duplicate-2					
Blank Spike	sPBW0302	1000	1	10	10
Blank Spike Duplicate	dPBW0302	1000	1	10	10
Matrix Spike	124993s11	947	1	10	10
Matrix Spike Duplicate	124993d11	983	1	10	10
Matrix Spike-2	125010s2	806	1	10	10
Matrix Spike Duplicate-2	125010d2	812	1	10	10

Sample	Client Sample ID	Sample Volume (ml)	Final Volume (ml)	Surr Spike (ul)	Comments
124925-1	ood St. & 25th S	915	1	10	
124945-1	41116SGA01G	970	1	10	
124993-8	41117SGA02G	1012	1	10	
124993-9	41117SGA03G	967	1	10	
124993-10	41117SGA04G	1057	1	10	
124993-11	41117SGA05G	896	1	10	
124993-14	41118SGA07G	1055	1	10	
124993-15	41118SGA08G	926	1	10	
125010-1	41119SGA09G	1063	1	10	
125010-2	41119SGA10G	923	1	10	

69600

Printed - 11/23/04

PCB Analysis by USEPA Method 8082

QCBatch ID	PB0854
Sample Matrix	Low Level Soil
Surrogate Std. No.	561-152-3
8082 MS Spike No	561-152-4
Hexane Lot Number	031411
Acetone Lot Number	042323
Na2SO4 Lot Number	Y49147
H2SO4 Lot Number	042932
Extraction Method	3550 Modified

Weighed By/Date

Extracted By/Date ATM 11/23/04

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	PB0854	10.0000	10.0	100	
Duplicate	none				
Duplicate-2	none				
Blank Spike	sPB0854	10.0000	10.0	100	100
Blank Spike Duplicate	dPB0854	10.0000	10.0	100	100
Matrix Spike	124993s7	12.9096	10.0	100	100
Matrix Spike Duplicate	124993d7	13.0440	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)
124993-2	041117SGA04SS	12.8116	10.0	100
124993-3	041117SGA05SS	13.5563	10.0	100
124993-4	041117SGA06SS	12.2477	10.0	100
124993-6	041117SGA08SS	12.5834	10.0	100
124993-7	041117SGA09SS	12.2043	10.0	100
124945-3	041116SGA02SS	13.3122	10.0	100

009760

STL Seattle

6a Sample Information

Client Name	**URS Corporation**
Work Order Number	**124945**
Sample Number	**1**
QC Batch Number	**PBW0302**
Client Sample ID	**041116SGA01GW**
Date Received	**11-18-04**
Date Prepared	**11-22-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blank: PBW0302

Sample volume (ml)	**970**	=	0.97	/L	Calc. Fact.	0.001030928
Extract volume (ml)	1	=	1	ml	Dry Weight	-
Dilution Factor	1	=	1		Sample Units	ug/L
% Solids		=	1		Spike Factor	1.030927835
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	17.7715		88.9	OK	32	134
x	Decachlorobiphenyl	13.9707		69.9	OK	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

00971

STL Seattle

6a **Sample Information**

Client Name	URS Corporation
Work Order Number	124945
Sample Number	3
QC Batch Number	PB0854
Client Sample ID	041116SGA02SS
Date Received	11-18-04
Date Prepared	11-23-04
Date Analyzed	12-02-04
Sample matrix type	solid
QC sample type	sample

Related Blank: PB0854

Sample weight (g)	13.3122	=	0.01331	/kg	Calc. Fact.	0.000884378
Extract volume (ml)	10	=	10	ml	Dry Weight	11.30738268 g
Dilution Factor	1	=	1		Sample Units	mg/kg
% Solids	84.94	=	0.8494		Spike Factor	0.088437796
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	19.0046		95	OK		
x	Decachlorobiphenyl	25.5232	N	128	HIGH		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

00972

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blank:	noblank
QC Batch Number	**PBW0302**				
Client Sample ID					
Date Received					
Date Prepared	**11-22-04**				
Date Analyzed	**12-02-04**				
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	Blk Dil. Fact	
				Raw Dil. Fact	1

	Surrogate	**Quan Value**	**User Flags**	**% Rec.**	**Warning**	**Water Low**	**Water High**
x	Tetrachloro-m-xylene	20.016		100	**OK**	32	134
x	Decachlorobiphenyl	27.4872	N	137	**HIGH**	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**

000273

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: noblank
QC Batch Number	**PB0854**
Client Sample ID	
Date Received	
Date Prepared	**11-23-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**blank**

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	19.492		97.5	**OK**		
x	Decachlorobiphenyl	25.4432	N	127	**HIGH**		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

009274

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: PBW0302
QC Batch Number	**PBW0302**
Client Sample ID	
Date Received	
Date Prepared	**11-22-04**
Date Analyzed	**12-02-04**
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	19.1267		95.6	OK	32	134
x	Decachlorobiphenyl	27.7697	N	139	HIGH	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	107.601	C1		0.108	C1	0.01
x	Aroclor 1260	118.3308	C1		0.118	C1	0.01

009725

STL Seattle

6a **Sample Information**

Client Name	
Work Order Number	
Sample Number	Related Blank: PB0854
QC Batch Number	**PB0854**
Client Sample ID	
Date Received	
Date Prepared	**11-23-04**
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	20.0542		100	**OK**		
x	Decachlorobiphenyl	26.3892	N	132	**HIGH**		
				-	-		
				-	-		
				-	-		
				-	-		

x	**Target Analytes**	**Quan Value**	**User Flag**	**Blank**	**Calculated Amount**	**Total Flags**	**PQL**
x	Aroclor 1242	113.8103	C1		0.114	C1	0.01
x	Aroclor 1260	119.2884	C1		0.119	C1	0.01

97600

STL Seattle

6a **Sample Information**

Client Name						
Work Order Number						
Sample Number					Related Blank: PBW0302	
QC Batch Number	PBW0302					
Client Sample ID						
Date Received						
Date Prepared	11-22-04					
Date Analyzed	12-02-04					
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	18.663		93.3	OK	32	134
x	Decachlorobiphenyl	27.4776	N	137	HIGH	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	105.306	C1		0.105	C1	0.01
x	Aroclor 1260	115.1257	C1		0.115	C1	0.01

00977

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blank: PB0854	
QC Batch Number	**PB0854**				
Client Sample ID					
Date Received					
Date Prepared	**11-23-04**				
Date Analyzed	**12-02-04**				
Sample matrix type	**solid**				
QC sample type	**bsd**				
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	19.9952		100	OK		
x	Decachlorobiphenyl	26.2169	N	131	HIGH		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	113.3596	C1		0.113	C1	0.01
x	Aroclor 1260	117.4909	C1		0.117	C1	0.01

00978

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**124993**
Sample Number	**11**
QC Batch Number	**PBW0302**
Client Sample ID	**041117SGA05GW**
Date Received	**11-19-04**
Date Prepared	**11-22-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**ms**

Related Blank: PBW0302

Sample volume (ml)	**947**	=	0.947	/L	Calc. Fact.	0.001055966
Extract volume (ml)	**1**	=	1	ml	Dry Weight	-
Dilution Factor	**1**	=	1		Sample Units	ug/L
% Solids		=	1		Spike Factor	1.055966209
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	18.8704		94.4	OK	32	134
x	Decachlorobiphenyl	26.4734	N	132	HIGH	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	105.851	C1		0.112	C1	0.0106
x	Aroclor 1260	116.1626	C1		0.123	C1	0.0106

009279

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125010**
Sample Number	**2**
QC Batch Number	**PBW0302**
Client Sample ID	**041119SGA10GW**
Date Received	**11-20-04**
Date Prepared	**11-22-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**ms**

Related Blank: PBW0302

Sample volume (ml)	**806**	=	0.806	/L	Calc. Fact.	0.001240695
Extract volume (ml)	**1**	=	1	ml	Dry Weight	-
Dilution Factor	**1**	=	1		Sample Units	ug/L
% Solids		=	1		Spike Factor	1.240694789
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	18.8118		94.1	OK	32	134
x	Decachlorobiphenyl	27.9935	N	140	HIGH	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	124.7568	C1		0.155	C1	0.0124
x	Aroclor 1260	121.595	C1		0.151	C1	0.0124

08600

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**124993**
Sample Number	**7**
QC Batch Number	**PB0854**
Client Sample ID	**041117SGA09SS**
Date Received	**11-19-04**
Date Prepared	**11-23-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**ms**

Related Blank: PB0854

Sample weight (g)	**12.9096**	=	0.01291	/kg	Calc. Fact.	0.000962736
Extract volume (ml)	**10**	=	10	ml	Dry Weight	10.38706416 g
Dilution Factor	**1**	=	1		Sample Units	mg/kg
% Solids	**80.46**	=	0.8046		Spike Factor	0.096273594
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	19.7013		98.5	OK		
x	Decachlorobiphenyl	26.0942	N	130	HIGH		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	109.7803	C1		0.106	C1	0.00963
x	Aroclor 1260	116.8564	C1		0.113	C1	0.00963

00981

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**124993**				
Sample Number	**11**			Related Blank:	PBW0302
QC Batch Number	**PBW0302**				
Client Sample ID	**041117SGA05GW**				
Date Received	**11-19-04**				
Date Prepared	**11-22-04**				
Date Analyzed	**12-02-04**				
Sample matrix type	**liquid**				
QC sample type	**msd**				
Sample volume (ml)	**983**	=	0.983 /L	Calc. Fact.	0.001017294
Extract volume (ml)	**1**	=	1 ml	Dry Weight	-
Dilution Factor	**1**	=	1	Sample Units	ug/L
% Solids		=	1	Spike Factor	1.017293998
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	19.2581		96.3	OK	32	134
x	Decachlorobiphenyl	27.0106	N	135	HIGH	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	93.134	C1		0.0947	C1	0.0102
x	Aroclor 1260	102.1593	C1		0.104	C1	0.0102

00982

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**124993**
Sample Number	**7**
QC Batch Number	**PB0854**
Client Sample ID	**041117SGA09SS**
Date Received	**11-19-04**
Date Prepared	**11-23-04**
Date Analyzed	**12-02-04**
Sample matrix type	**solid**
QC sample type	**msd**

Related Blank: PB0854

Sample weight (g)	**13.044**	=	0.01304	/kg	Calc. Fact.	0.000952816
Extract volume (ml)	**10**	=	10	ml	Dry Weight	10.4952024 g
Dilution Factor	**1**	=	1		Sample Units	mg/kg
% Solids	**80.46**	=	0.8046		Spike Factor	0.095281631
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	19.1151		95.6	OK		
x	Decachlorobiphenyl	25.8652	N	129	HIGH		
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	106.5588	C1		0.102	C1	0.00953
x	Aroclor 1260	116.5082	C1		0.111	C1	0.00953

00983

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**
Work Order Number	**125010**
Sample Number	**2**
QC Batch Number	**PBW0302**
Client Sample ID	**041119SGA10GW**
Date Received	**11-20-04**
Date Prepared	**11-22-04**
Date Analyzed	**12-02-04**
Sample matrix type	**liquid**
QC sample type	**msd**

Related Blank: PBW0302

Sample volume (ml)	**812**	=	0.812	/L	Calc. Fact.	0.001231527
Extract volume (ml)	**1**	=	1	ml	Dry Weight	-
Dilution Factor	**1**	=	1		Sample Units	ug/L
% Solids		=	1		Spike Factor	1.231527094
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	17.3513		86.8	OK	32	134
x	Decachlorobiphenyl	28.6094	N	143	HIGH	55	128
				-	-		
				-	-		
				-	-		
				-	-		

x	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	Aroclor 1242	121.2755	C1		0.149	C1	0.0123
x	Aroclor 1260	120.668	C1		0.149	C1	0.0123

00984

GASOLINE RANGE ORGANICS DATA PACKAGE

00985

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13176.D Vial: 8
Acq On : 11-30-2004 01:15:36 PM Operator: crf
Sample : 124945-3 gb4028 Inst : Instrumen
Misc : Soil &10 #10.178 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:51:13 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	6816131	38.219 ug/L
2)	S	Trifluorotoluene (S)	5.48	8106219	96.362 ug/L
Spiked Amount		100.000 Range 63 - 118		Recovery =	96.36%
3)	S	1-Chloro-3-fluorobenzene(S	8.40	9298666	109.303 ug/L
Spiked Amount		100.000 Range 60 - 120		Recovery =	109.30%
4)	S	Bromofluorobenzene(S)	11.14	7107349	108.050 ug/L
Spiked Amount		100.000 Range 73 - 120		Recovery =	108.05%
5)	S	Pentafluorobenzene (S)	3.87	7858195	85.040 ug/L
Spiked Amount		100.000 Range 60 - 120		Recovery =	85.04%
		Target Compounds			
6)	H	Gasoline By NWTPH-G	12.30	2555619	48.815 ug/L
7)	H	Gasoline By AK101	7.00	2372233	41.262 ug/L
8)	H	8015 (nC6-nC12)	9.00	3167833	43.307 ug/L
9)	H	CA 8015B	7.00	2982753	41.432 ug/L

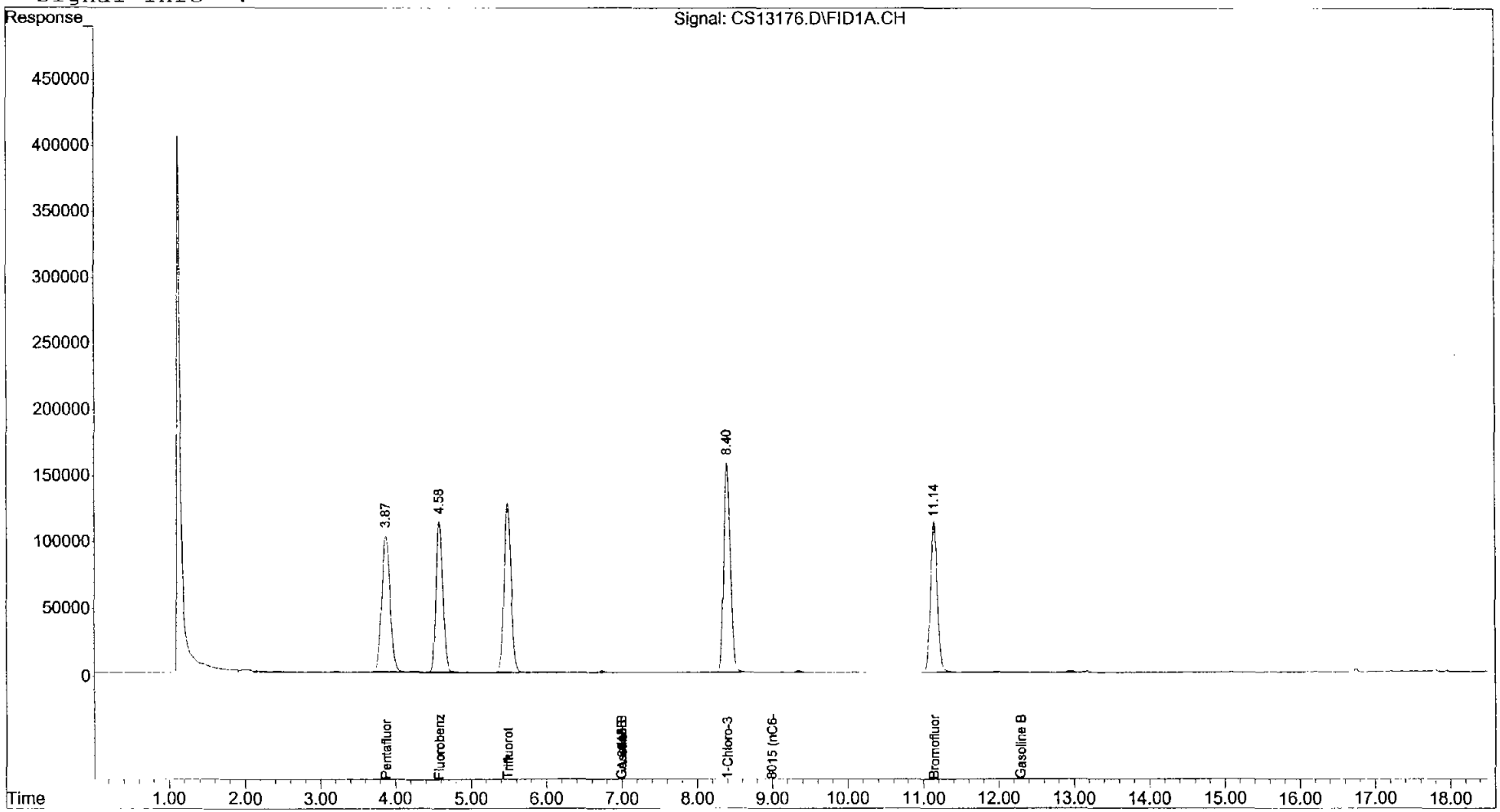
098600

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13176.D Vial: 8
Acq On : 11-30-2004 01:15:36 PM Operator: crf
Sample : 124945-3 gb4028 Inst : Instrumen
Misc : Soil &10 #10.178 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 2 10:51 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 :



INITIAL CALIBRATION

88600

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

68600

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

06600

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 ###

32188
166000991

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

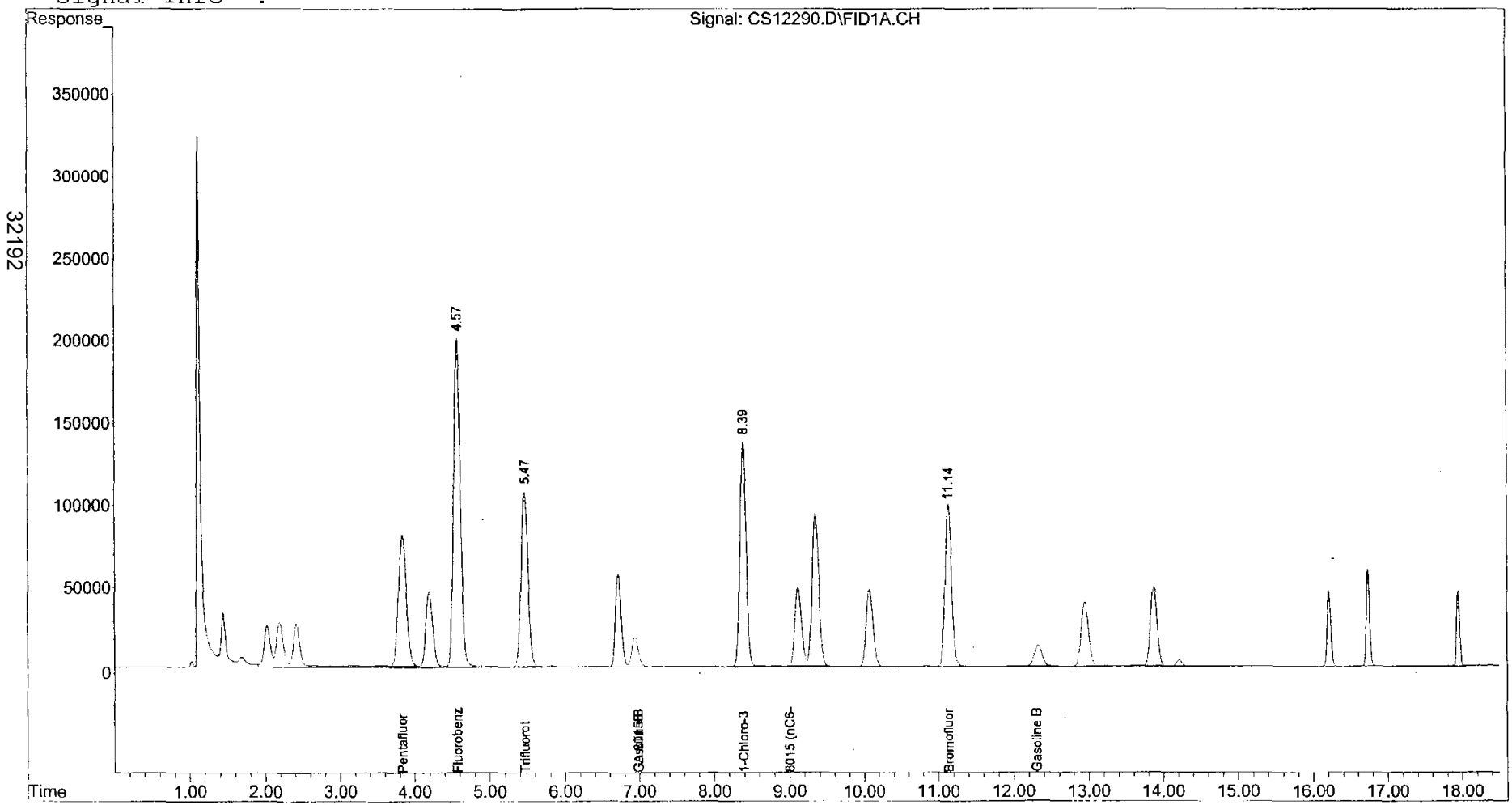
00992

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 :



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

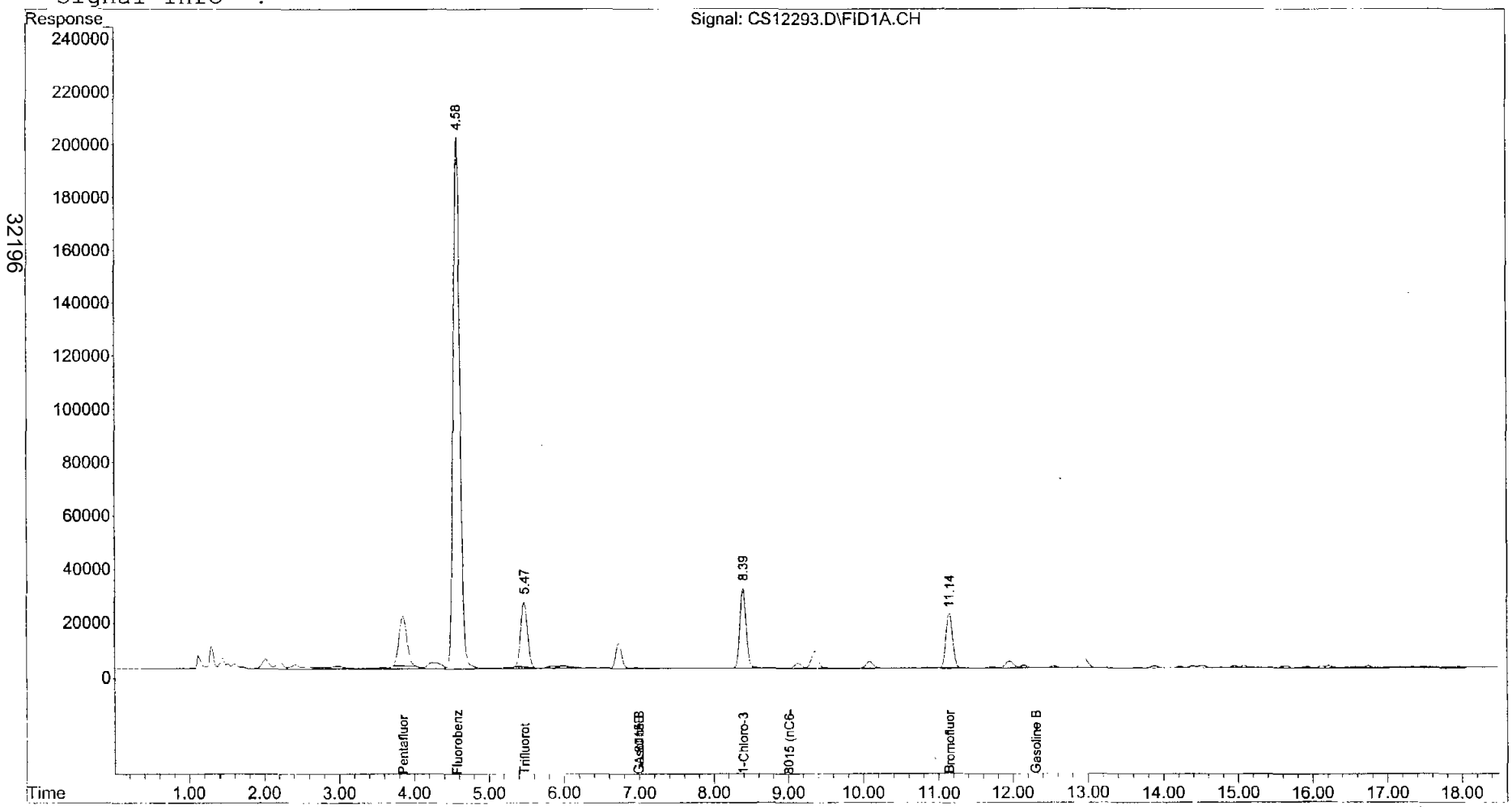
00994

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 :



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 :

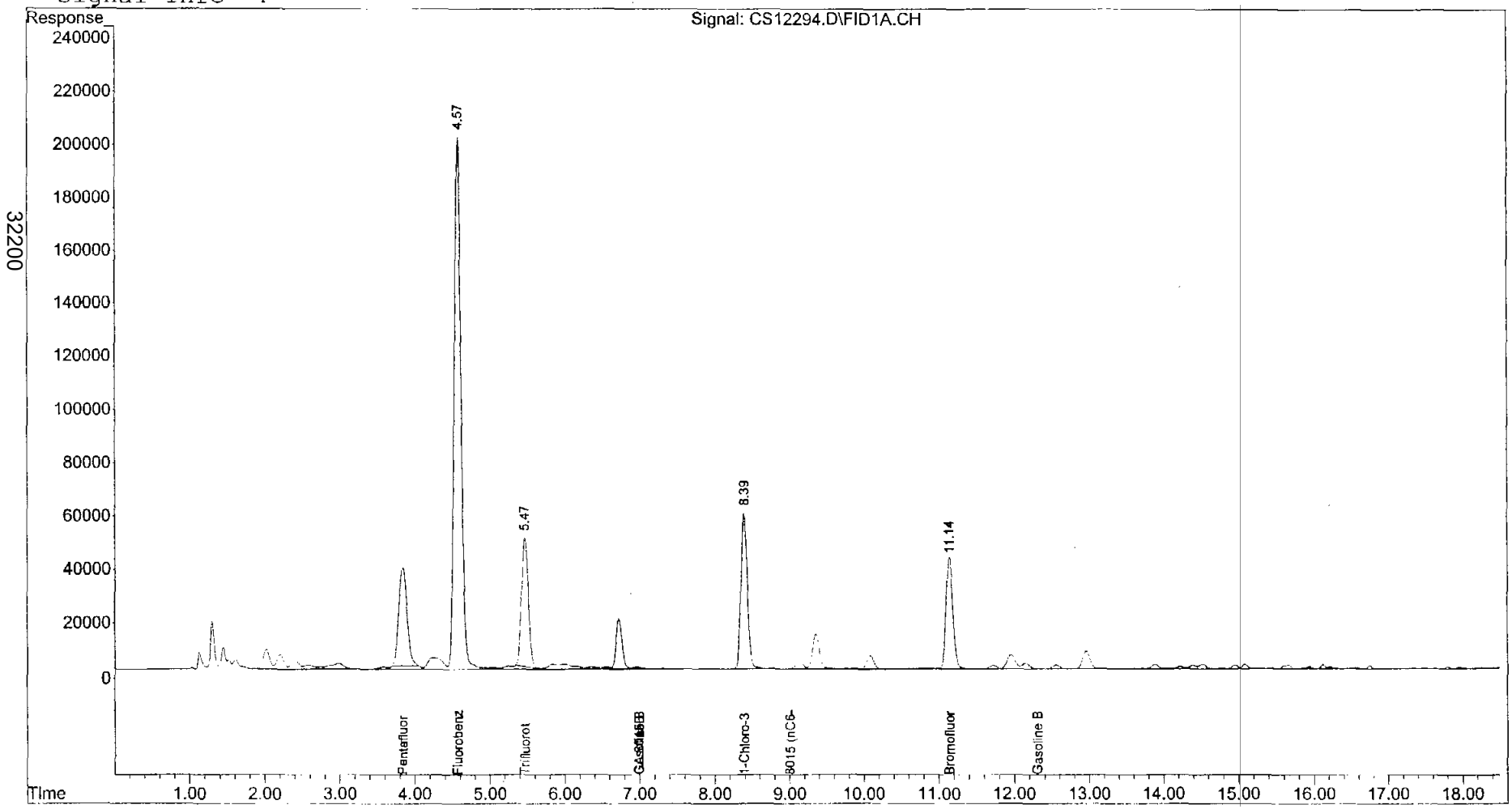
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11956699	67.043 ug/L
2) S Trifluorotoluene (S)	5.47	2966379	41.133 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	41.13%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	3321648	39.045 ug/L
Spiked Amount 100.000 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 :



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 :

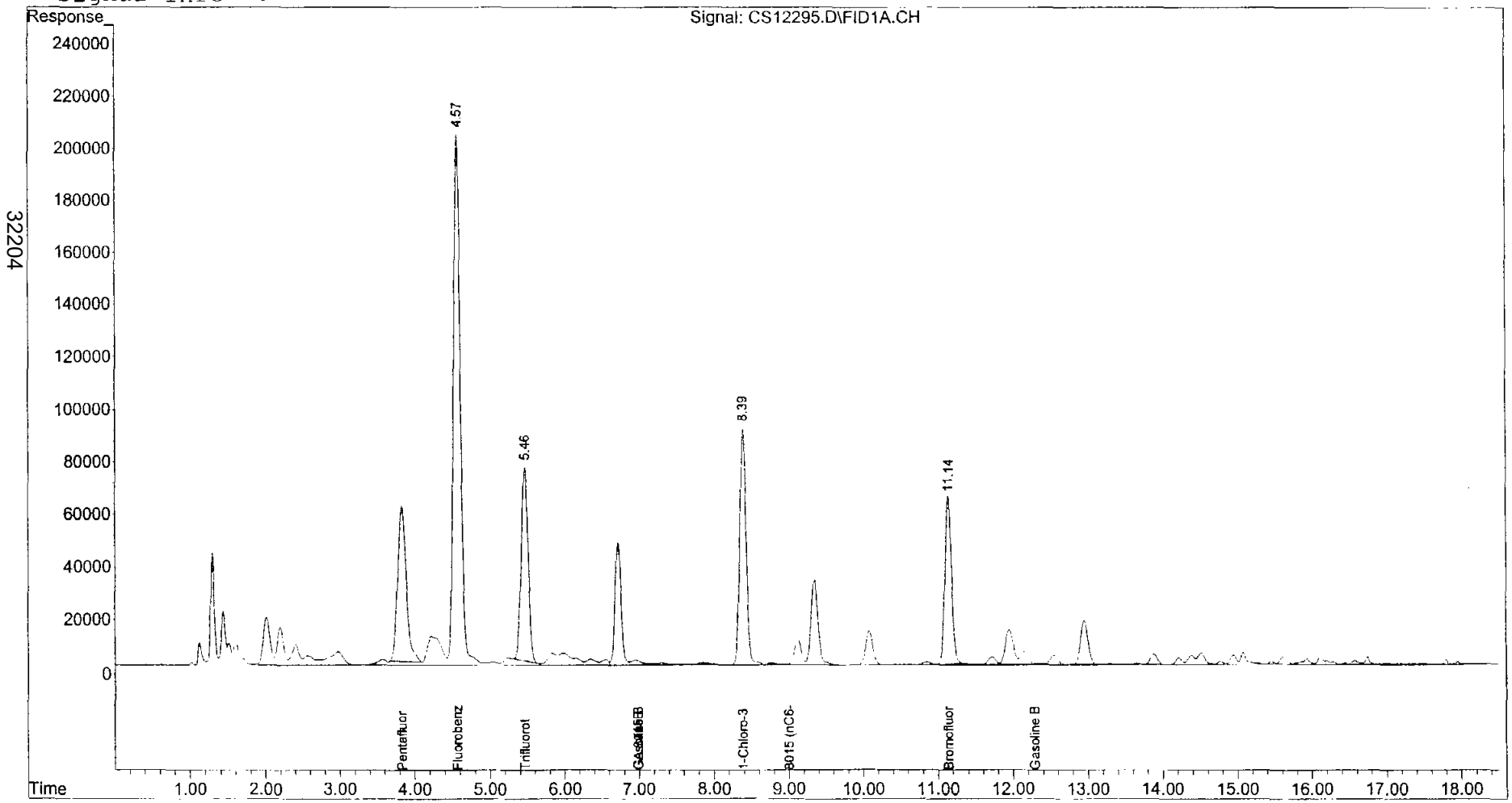
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.57	11911728	66.791 ug/L
2) S Trifluorotoluene (S)	5.47	4608214	61.219 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	61.22%#
3) S 1-Chloro-3-fluorobenzene(S	8.39	5106130	60.021 ug/L
Spiked Amount 100.000 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 :



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 :

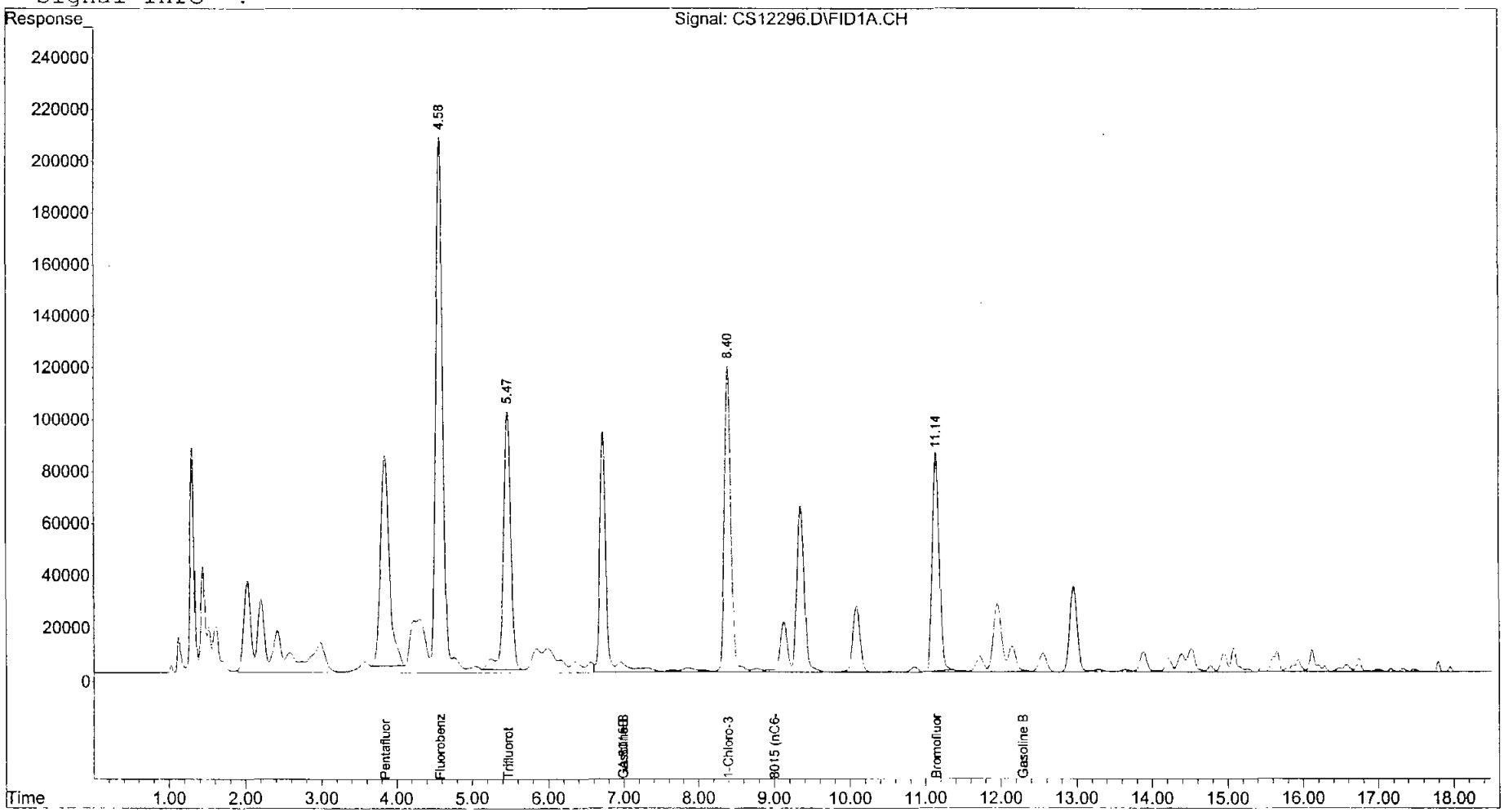
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11917540	66.823 ug/L
2) S Trifluorotoluene (S)	5.47	6764722	83.803 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery =	83.80%
3) S 1-Chloro-3-fluorobenzene(S	8.40	6725450	79.056 ug/L
Spiked Amount 100.000 Range 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 :



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 :

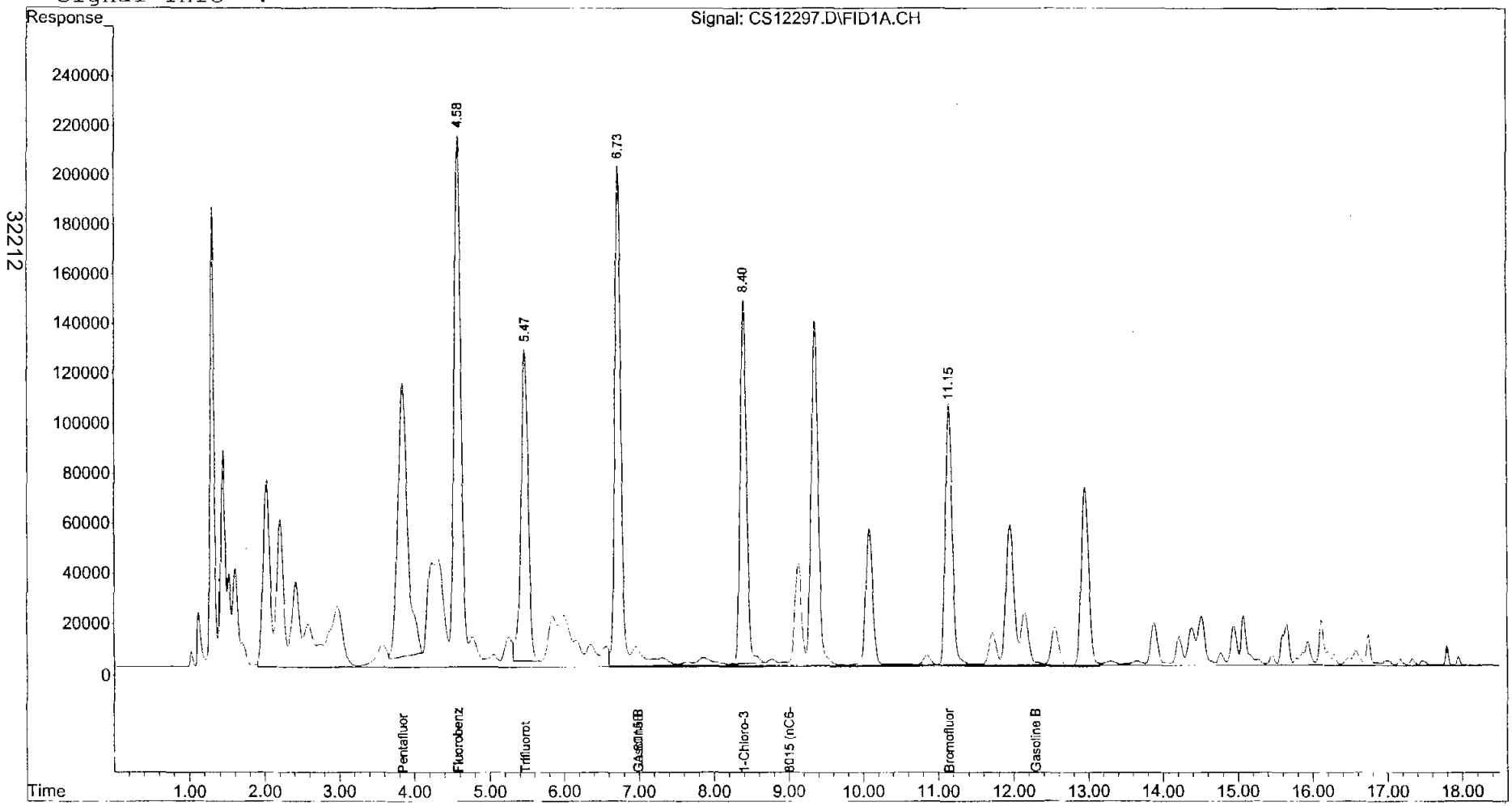
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	12017959	67.386 ug/L
2) S Trifluorotoluene (S)	5.48	8372218	98.745 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery = 98.75%	
3) S 1-Chloro-3-fluorobenzene(S	8.40	8646955	101.642 ug/L
Spiked Amount 100.000 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 :



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 :

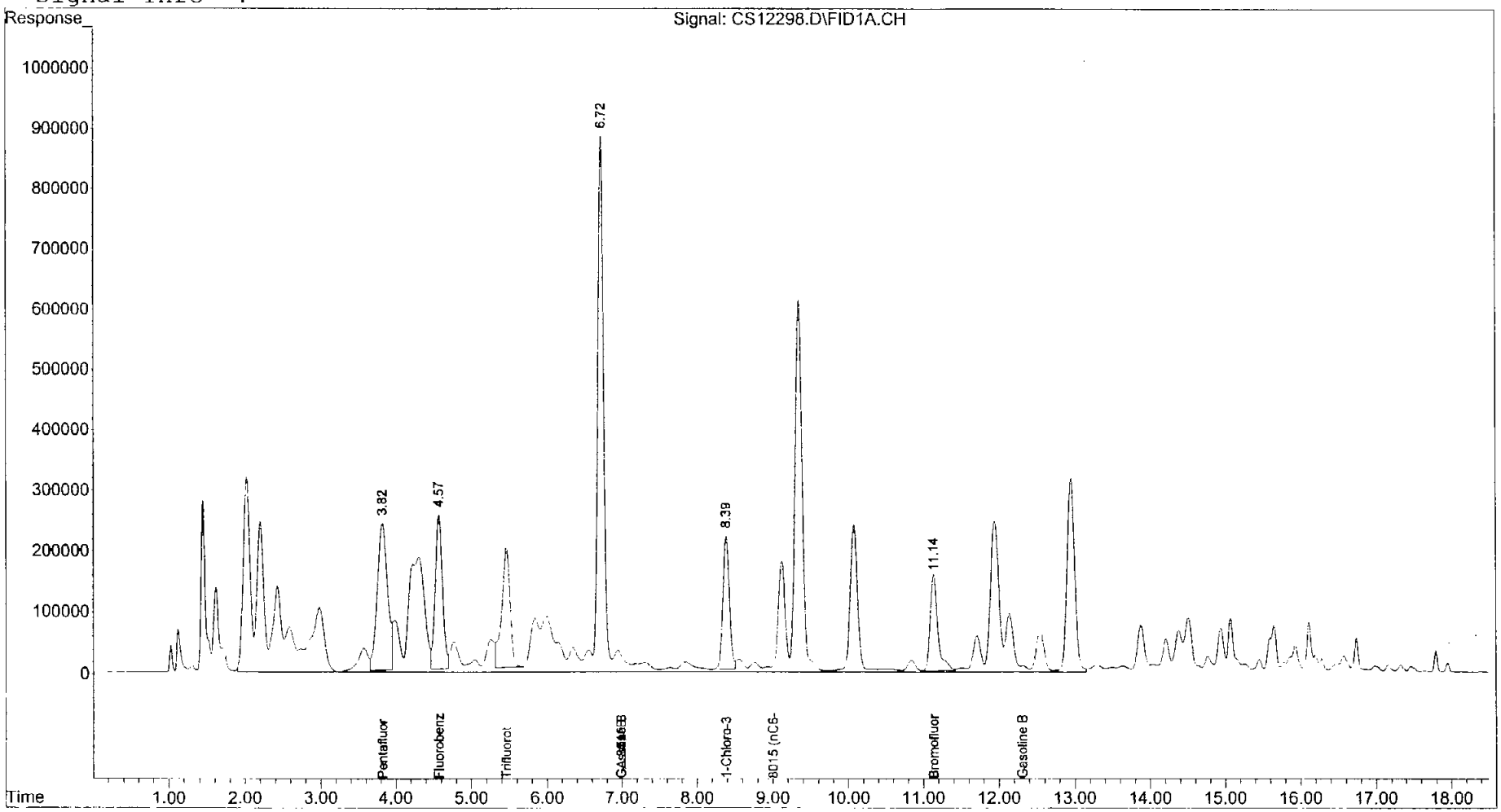
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	16367551	91.775 ug/L
2) S Trifluorotoluene (S)	5.47	14760156	148.484 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery = 148.48%#	
3) S 1-Chloro-3-fluorobenzene(S	8.39	12813955	150.624 ug/L
Spiked Amount 100.000 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 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 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 (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 :

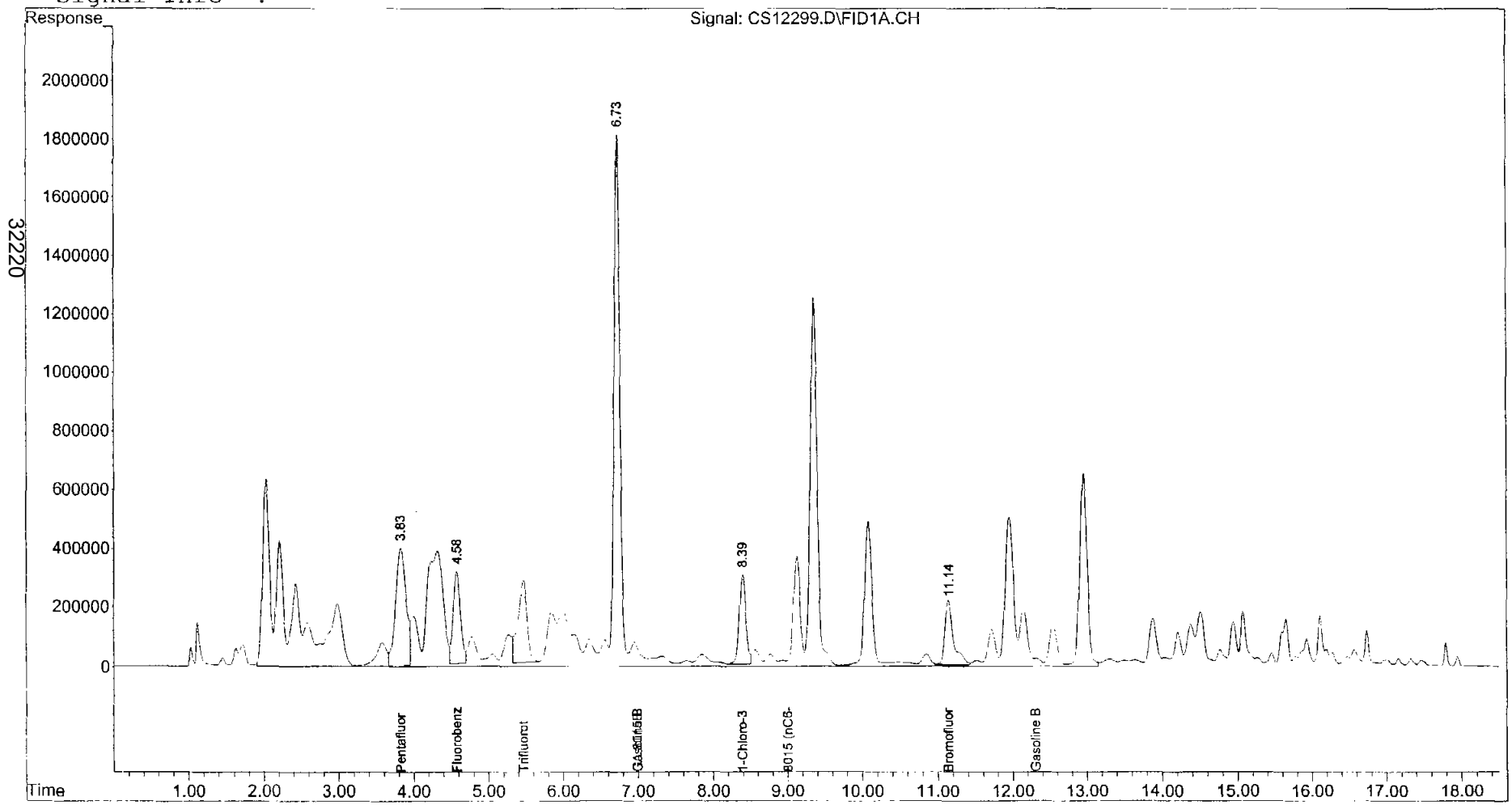
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	20865829	116.997 ug/L
2) S Trifluorotoluene (S)	5.47	23230793	200.974 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery = 200.97%#	
3) S 1-Chloro-3-fluorobenzene(S	8.39	18248671	214.507 ug/L
Spiked Amount 100.000 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 :

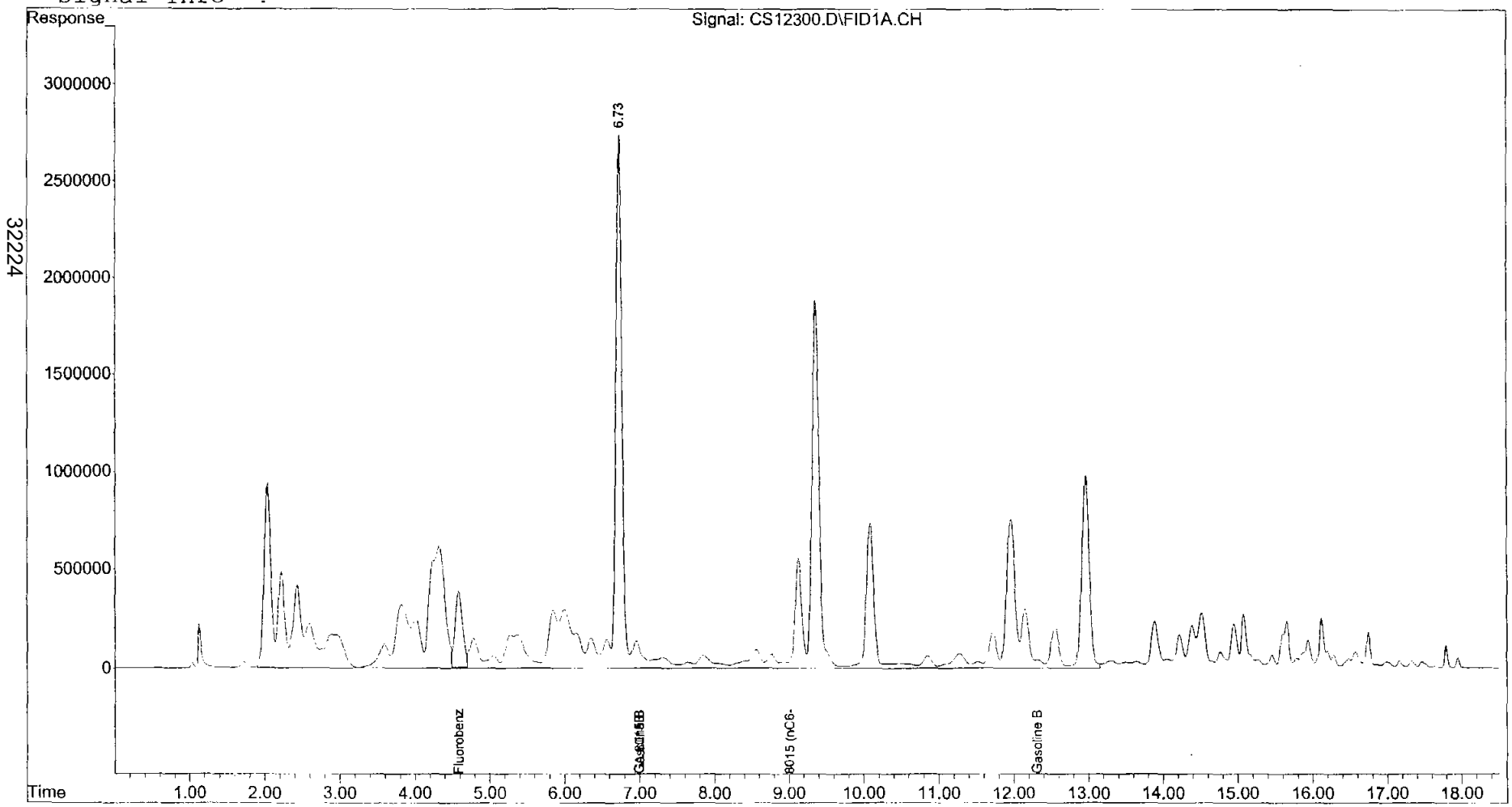
		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	Fluorobenzene (I)	4.59	26730561	149.882 ug/L
		Target Compounds			
6)	H	Gasoline By NWTPH-G	12.30	796517485	15214.210 ug/L
7)	H	Gasoline By AK101	7.00	825782691	14363.289 ug/L
8)	H	8015 (nC6-nC12)	9.00	1070165903	14629.954 ug/L
9)	H	CA 8015B	7.00	1024510635	14231.046 ug/L

Quantitation Report (QT Reviewed)

Data File : I:\2\DATA\10132004\CS12300.D 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 :



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 :

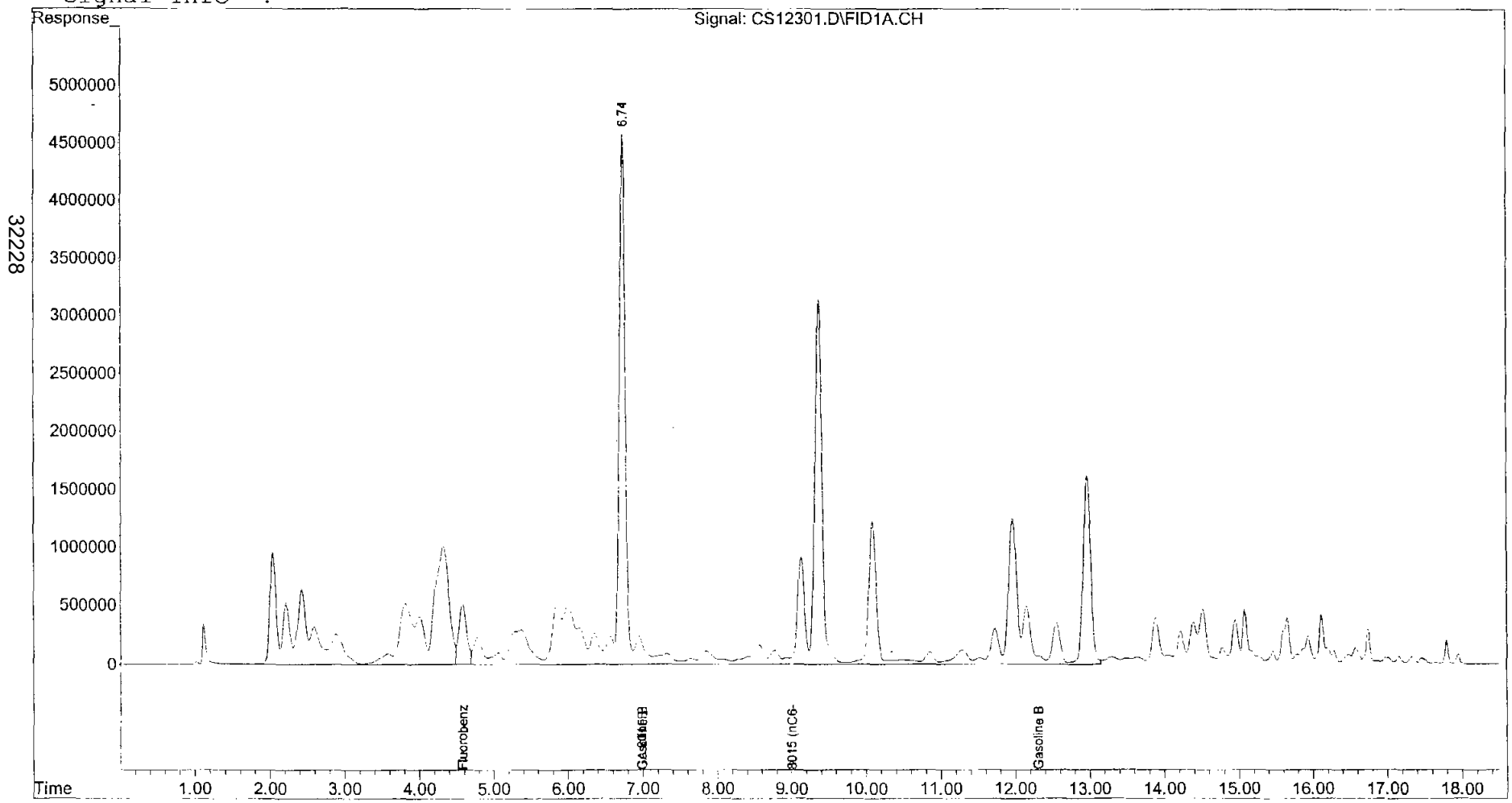
		Compound	R.T.	Response	Conc	Units
System Monitoring Compounds						
1)	S	Fluorobenzene (I)	4.58	36763946	206.140	ug/L
Target Compounds						
6)	H	Gasoline By NWTPH-G	12.30	1343695388	25665.807	ug/L
7)	H	Gasoline By AK101	7.00	1454394606	25297.079	ug/L
8)	H	8015 (nC6-nC12)	9.00	1868550415	25544.457	ug/L
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 :



32228

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 :

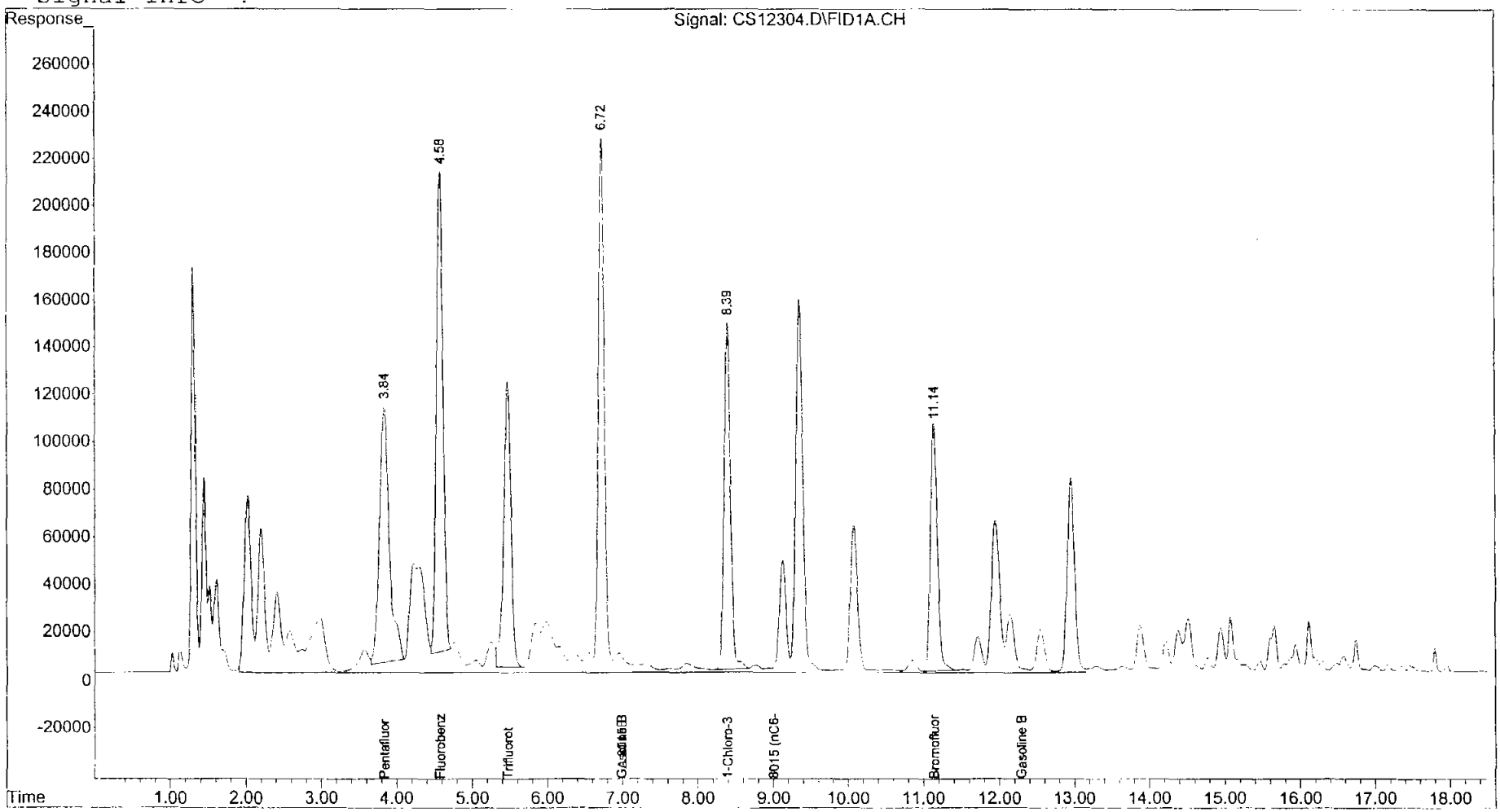
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S Fluorobenzene (I)	4.58	11954861	67.032 ug/L
2) S Trifluorotoluene (S)	5.47	8071701	96.050 ug/L
Spiked Amount 100.000 Range 69 - 120		Recovery = 96.05%	
3) S 1-Chloro-3-fluorobenzene(S	8.39	8629449	101.436 ug/L
Spiked Amount 100.000 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 :



32232

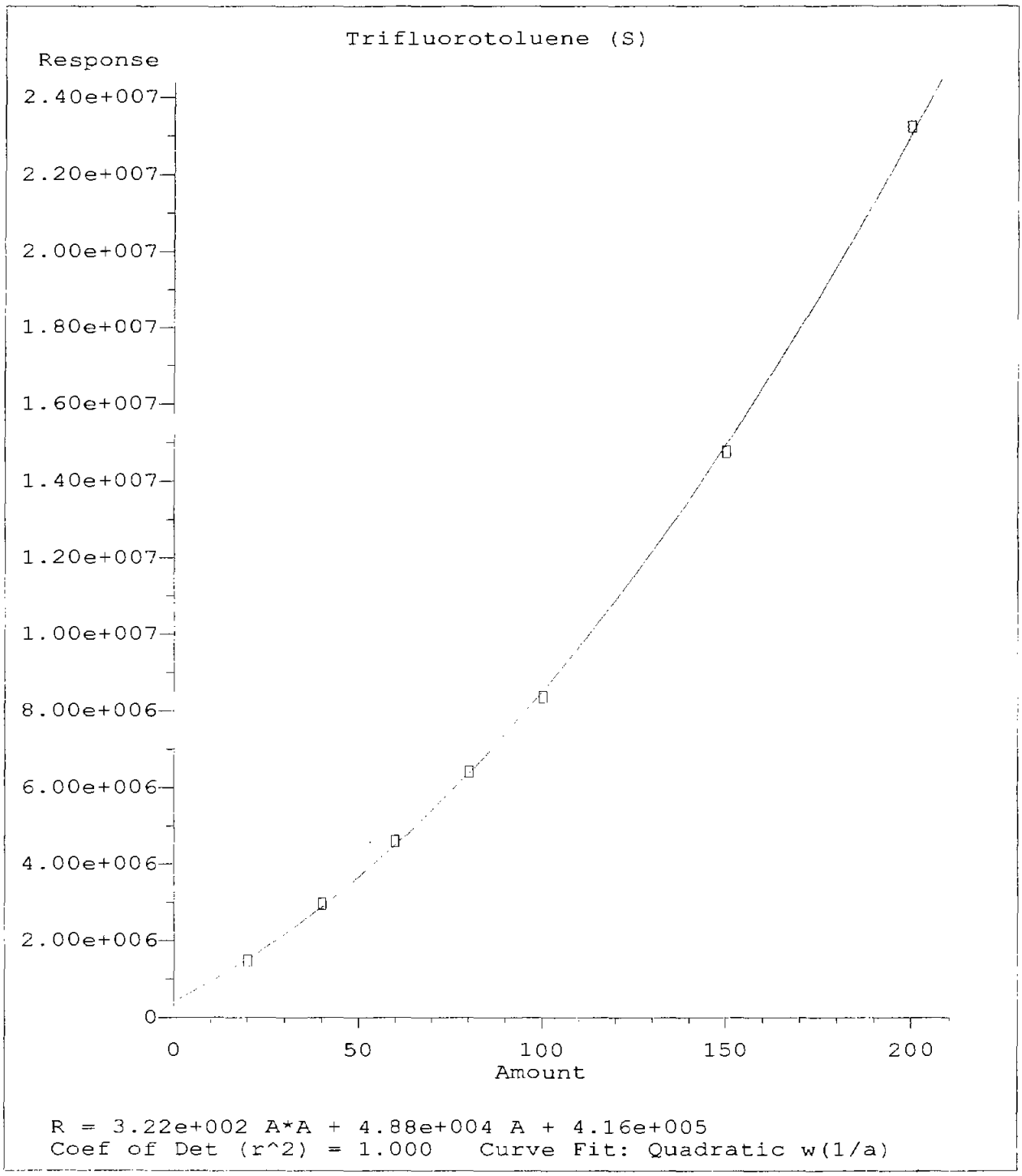
Evaluate Continuing Calibration Report

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

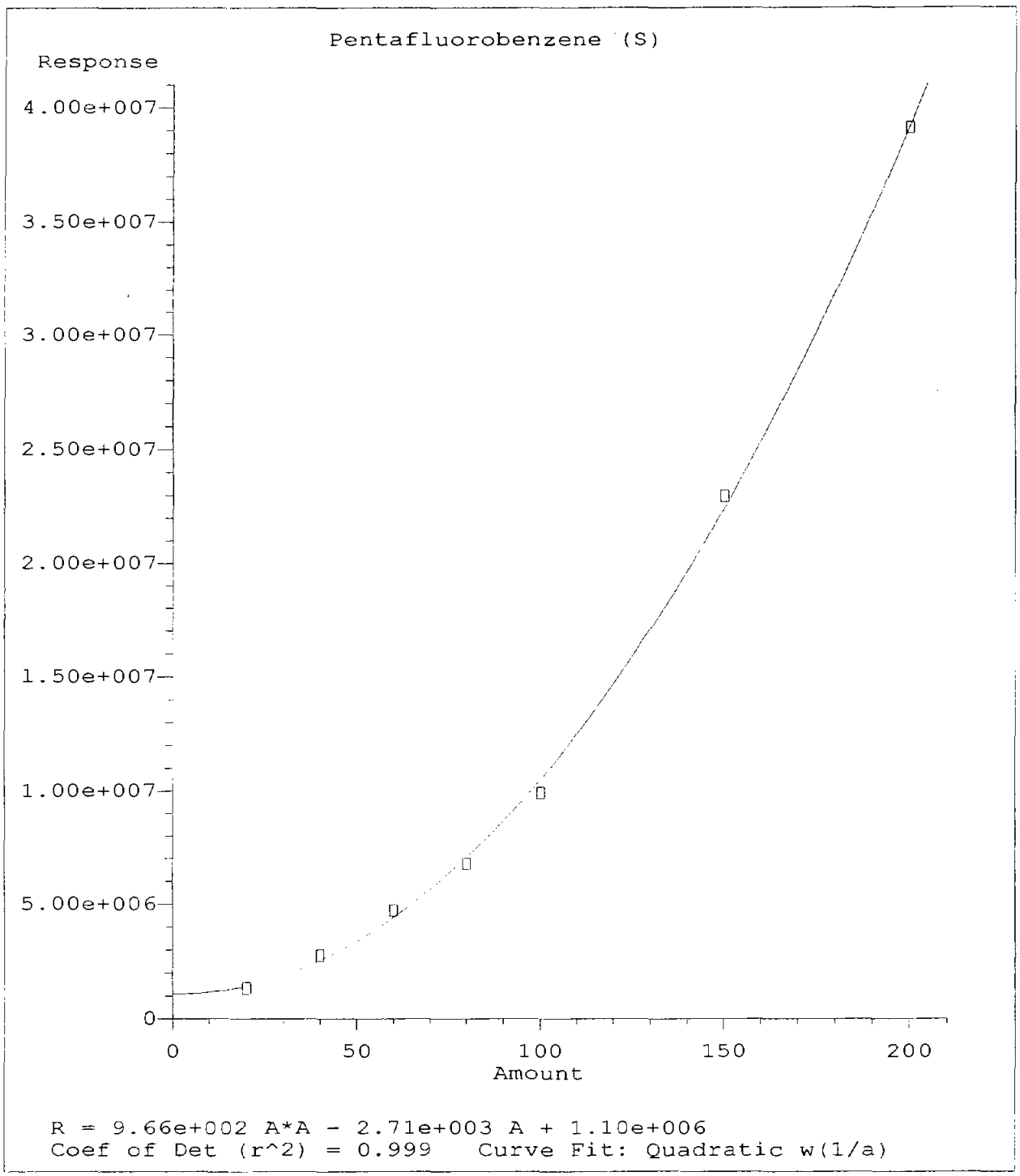
Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		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

01015



Method Name: I:\2\METHODS\GAS_10132004.M
Calibration Table Last Updated: Thu Oct 14 09:33:12 2004

01016

CONTINUING CALIBRATION

01017

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

010018

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

01019

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 :

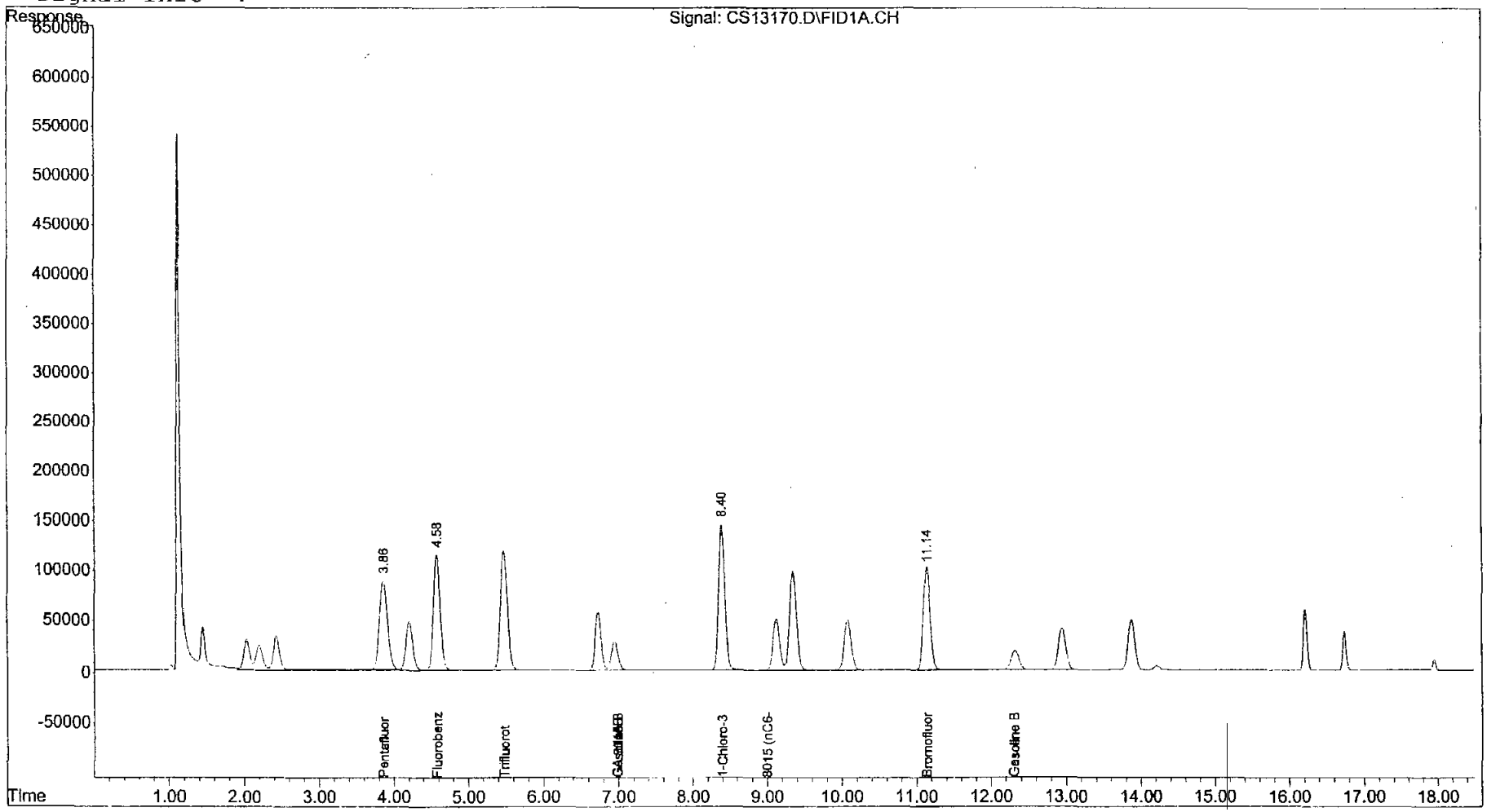
Compound		R.T.	Response	Conc Units
System Monitoring Compounds				
1)	S Fluorobenzene (I)	4.58	6872899	38.537 ug/L
2)	S Trifluorotoluene (S)	5.48	7464916	90.477 ug/L
Spiked Amount	100.000 Range	69 - 120	Recovery =	90.48%
3)	S 1-Chloro-3-fluorobenzene(S	8.40	8411971	98.880 ug/L
Spiked Amount	100.000 Range	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 : 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 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 :



32248

010021

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 :

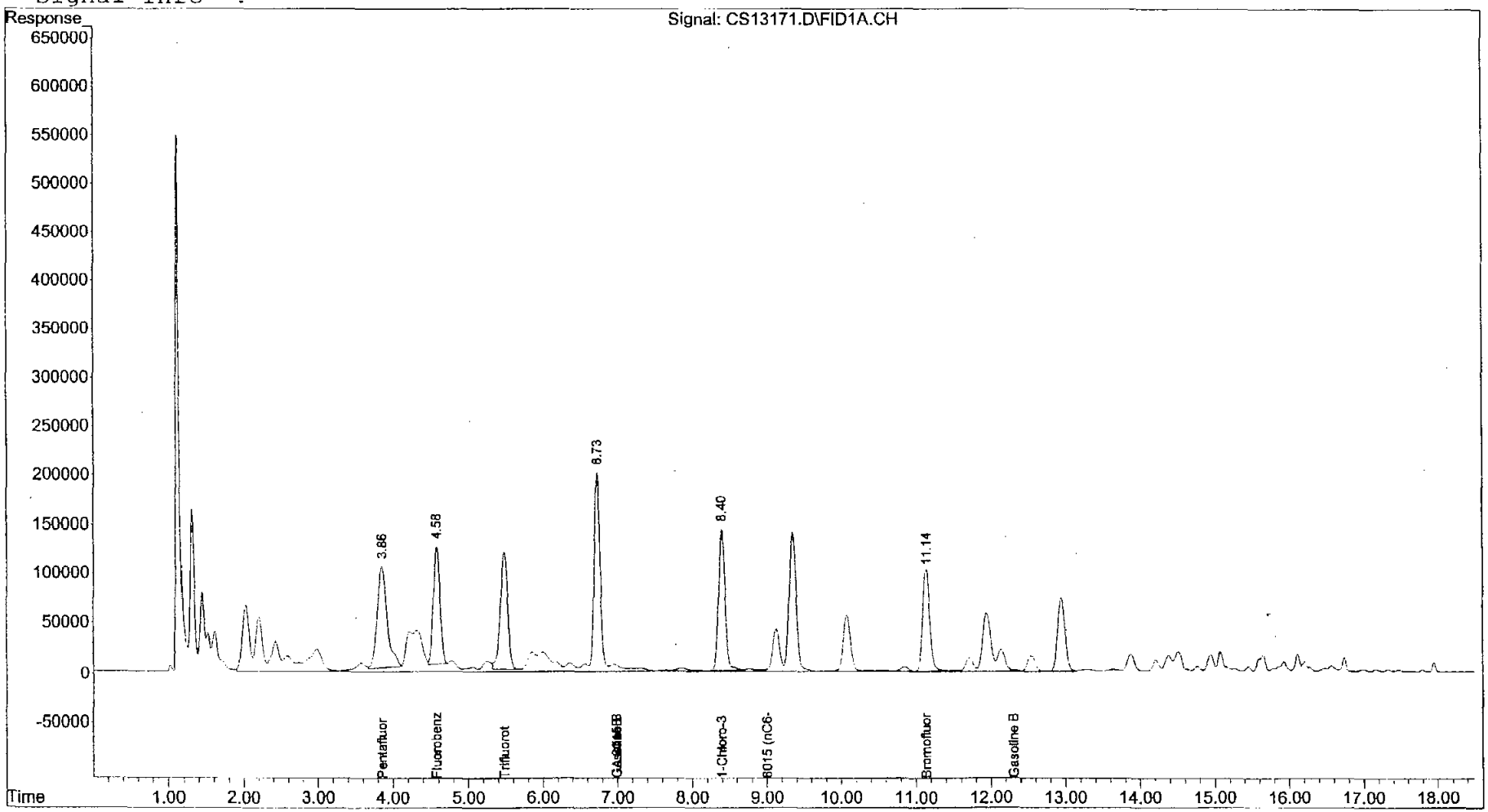
Compound			R.T.	Response	Conc Units
System Monitoring Compounds					
1)	S	Fluorobenzene (I)	4.59	6944851	38.941 ug/L
2)	S	Trifluorotoluene (S)	5.48	7893117	94.429 ug/L
Spiked Amount		100.000 Range 69 - 120		Recovery =	94.43%
3)	S	1-Chloro-3-fluorobenzene(S	8.40	8497925	99.890 ug/L
Spiked Amount		100.000 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 :



32252

Evaluate Continuing Calibration Report

Data File : I:\2\DATA\11302004\CS13171.D
Acq On : 11-30-2004 09:10:36 AM
Sample : 1100 ug/L gro ccal
Misc : 1304-02-02
IntFile : events.e

Vial: 3
Operator: crf
Inst : Instrumen
Multiplr: 1.00

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

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CS13171.D GAS_10132004.M Thu Dec 02 10:38:00 2004 Page 1

01024

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

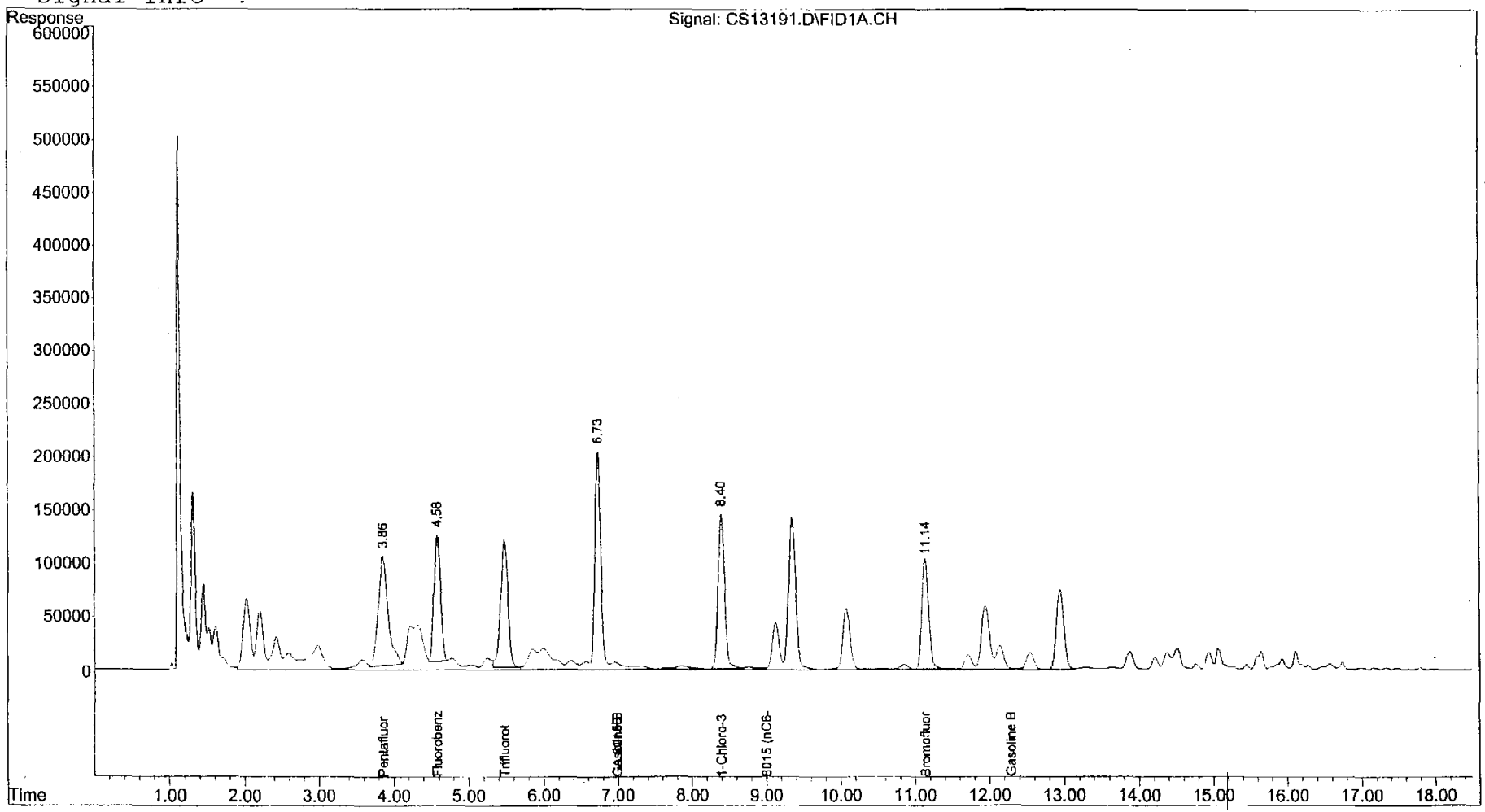
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13191.D
Acq On : 11-30-2004 08:30:12 PM
Sample : 1100 ug/L gro ccal
Misc : 1304-02-02
IntFile : events.e
Quant Time: Dec 1 11:12 2004 Quant Results File: GAS_10132004.RES

Vial: 23
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 :



32258

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

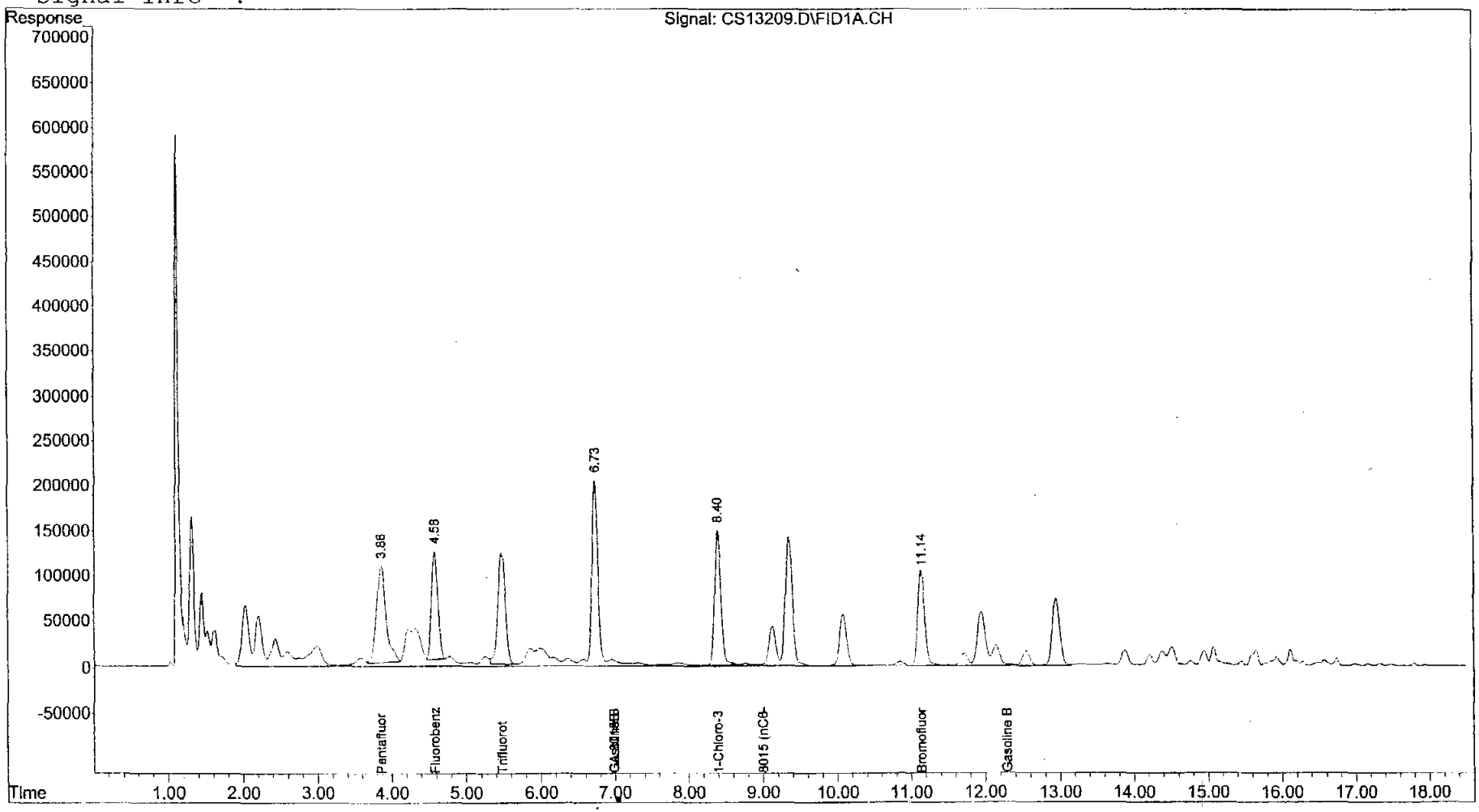
Quantitation Report (Not Reviewed)

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 :

32264



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 :

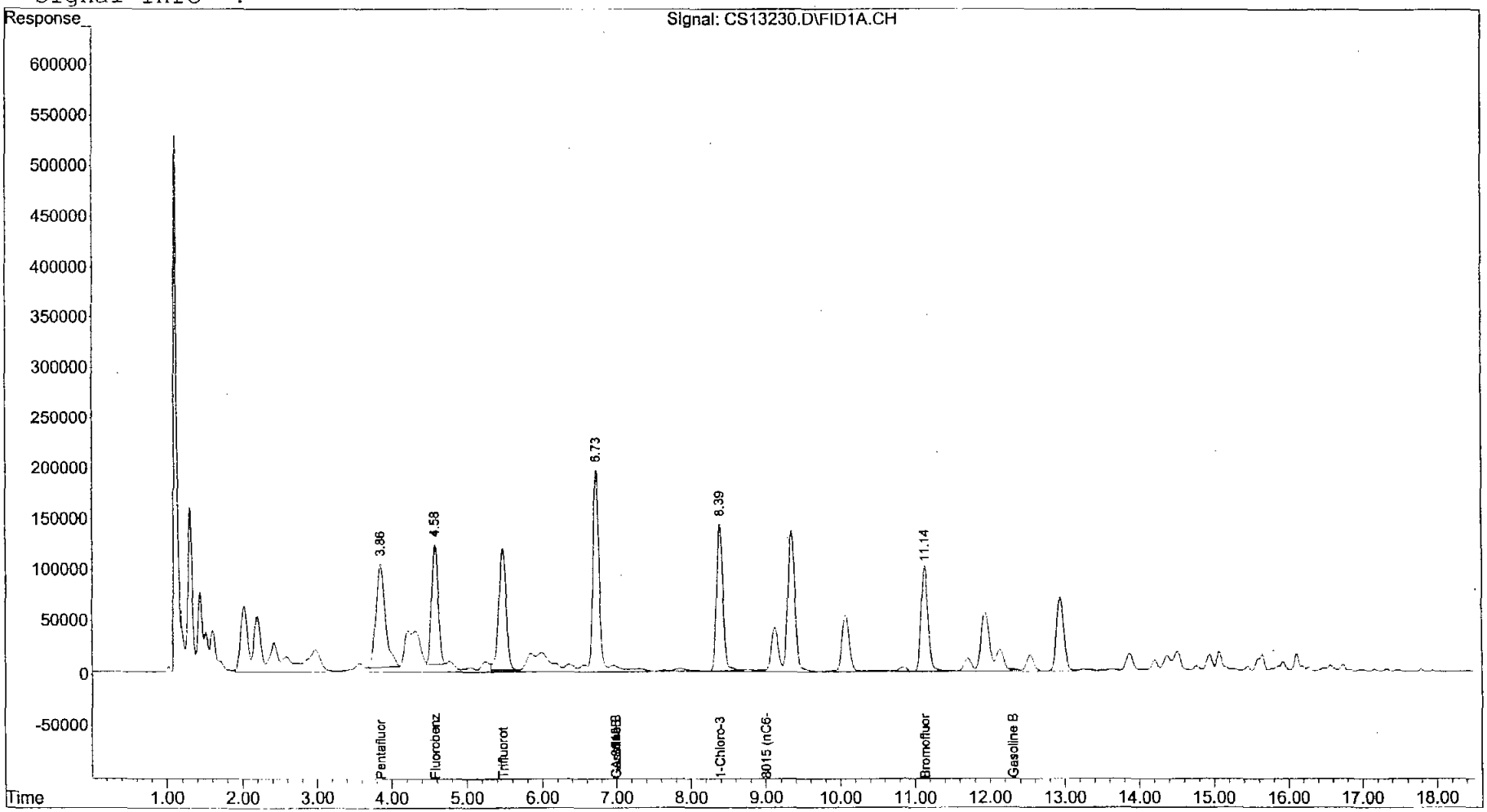
	Compound		R.T.	Response	Conc Units
	System Monitoring Compounds				
1)	S	Fluorobenzene (I)	4.58	6845203	38.382 ug/L
2)	S	Trifluorotoluene (S)	5.48	7821395	93.773 ug/L
Spiked Amount		100.000 Range 69 - 120		Recovery =	93.77%
3)	S	1-Chloro-3-fluorobenzene(S	8.40	8515115	100.092 ug/L
Spiked Amount		100.000 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 :



32270

Evaluate Continuing Calibration Report

Data File : I:\2\DATA\11302004\CS13230.D
Acq On : 01 Dec 2004 12:32 pm
Sample : 1100 ug/L gro ccal
Misc : 1304-02-02
IntFile : events.e

Vial: 62
Operator: crf
Inst : Instrumen
Multiplr: 1.00

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

(#) = Out of Range SPCC's out = 0 CCC's out = 0
CS13230.D GAS_10132004.M Thu Dec 02 10:38:07 2004 Page 1

01033

METHOD BLANK

01034

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13192.D Vial: 24
Acq On : 11-30-2004 08:54:53 PM Operator: crf
Sample : MB gb4028 Inst : Instrumen
Misc : Soil &10 #10 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:44:09 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 :

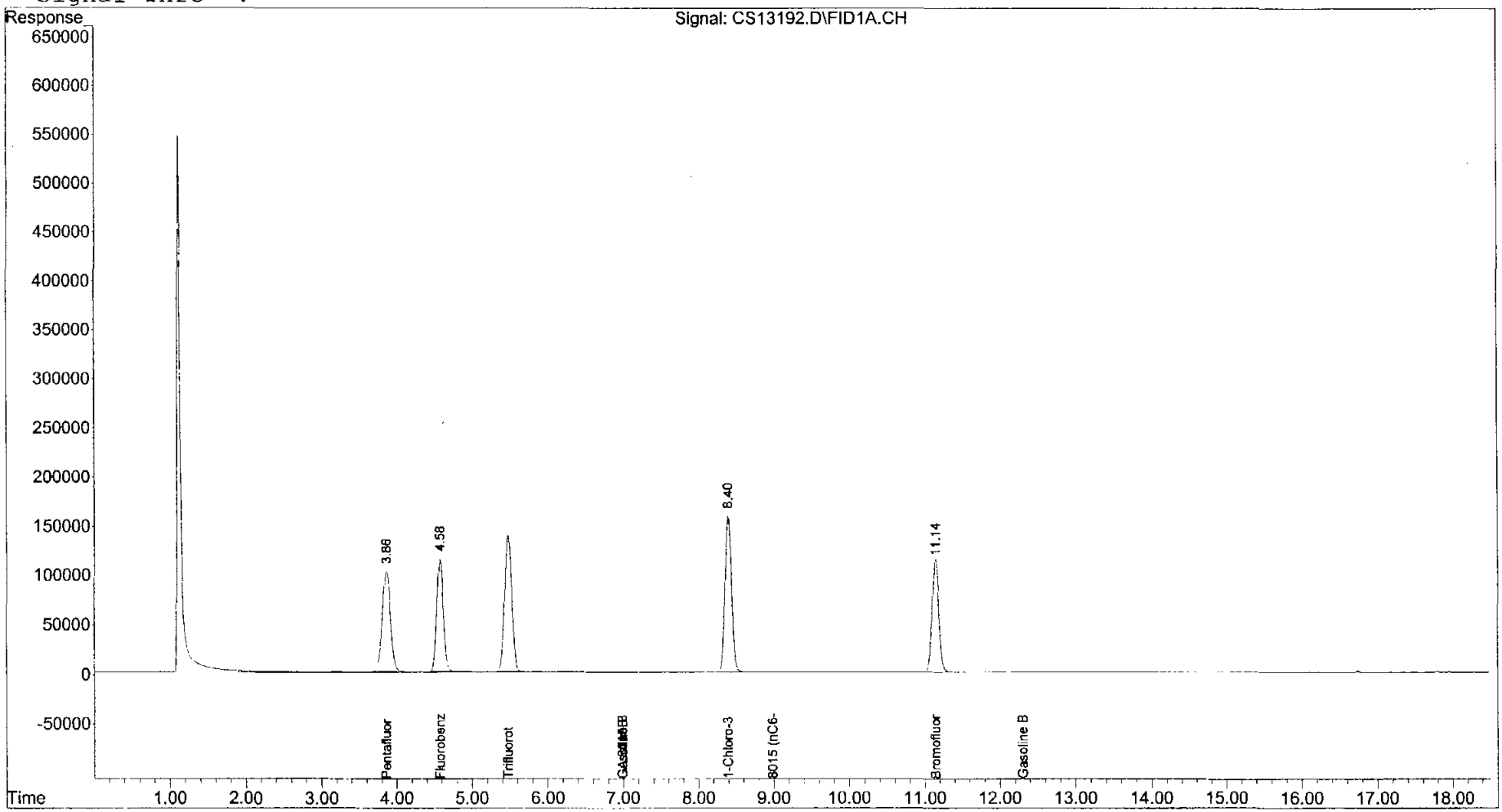
		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	Fluorobenzene (I)	4.58	6884731	38.604 ug/L
2)	S	Trifluorotoluene (S)	5.48	8801292	102.521 ug/L
Spiked Amount		100.000 Range 63 - 118		Recovery =	102.52%
3)	S	1-Chloro-3-fluorobenzene(S	8.40	9210933	108.272 ug/L
Spiked Amount		100.000 Range 60 - 120		Recovery =	108.27%
4)	S	Bromofluorobenzene(S)	11.15	7086974	107.741 ug/L
Spiked Amount		100.000 Range 73 - 120		Recovery =	107.74%
5)	S	Pentafluorobenzene (S)	3.86	7618214	83.542 ug/L
Spiked Amount		100.000 Range 60 - 120		Recovery =	83.54%
		Target Compounds			
6)	H	Gasoline By NWTPH-G	12.30	1047453	20.007 ug/L
7)	H	Gasoline By AK101	7.00	1994565	34.693 ug/L
8)	H	8015 (nC6-nC12)	9.00	2234928	30.553 ug/L
9)	H	CA 8015B	7.00	2369306	32.911 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13192.D Vial: 24
Acq On : 11-30-2004 08:54:53 PM Operator: crf
Sample : MB gb4028 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 :



32278

BLANK SPIKE

01037

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13194.D Vial: 26
Acq On : 11-30-2004 09:44:12 PM Operator: crf
Sample : 1250 ug/L BSD gro/aromatics gb4028 Inst : Instrumen
Misc : Soil &10 #10 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:44:14 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 :

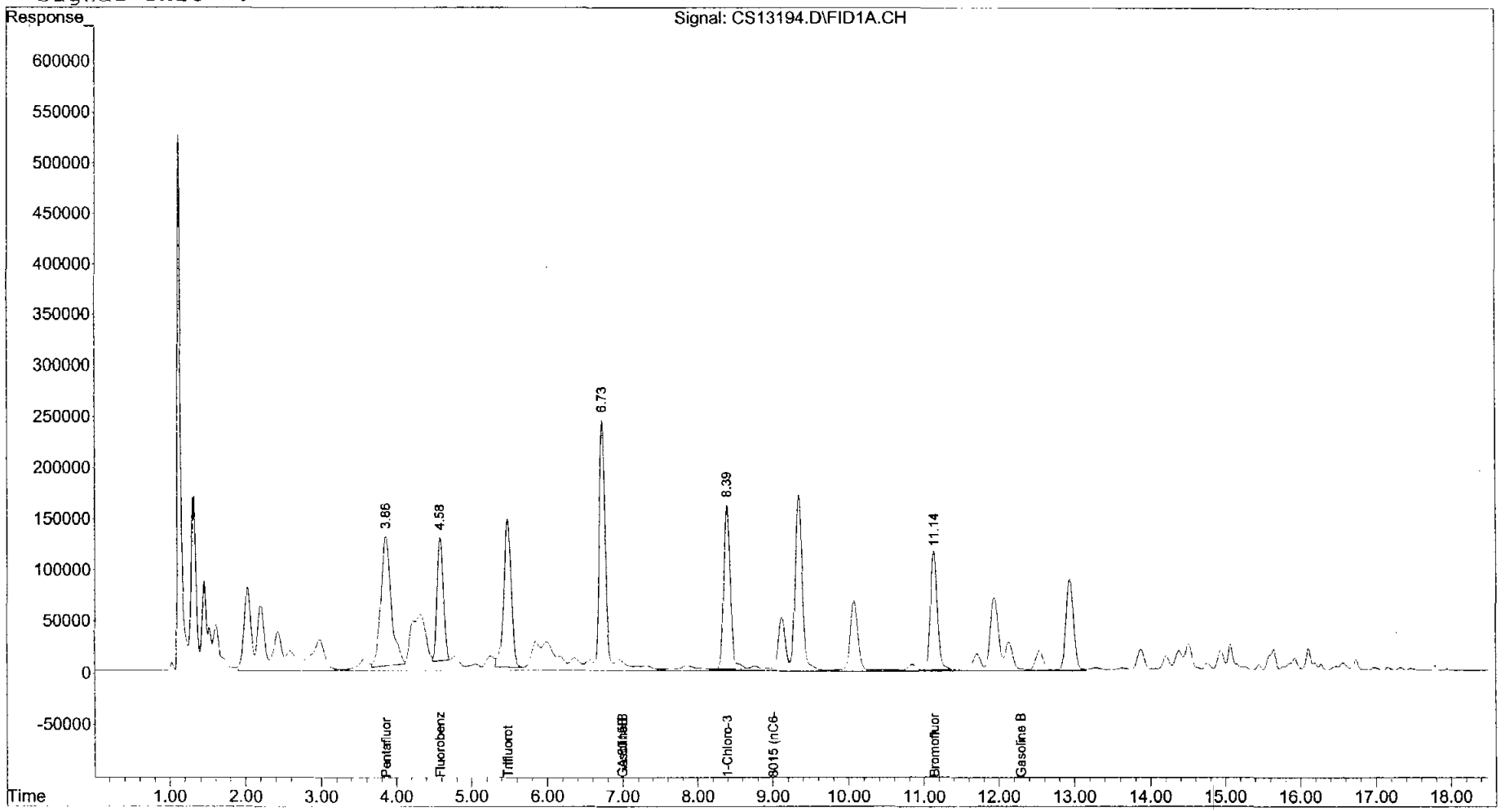
		Compound	R.T.	Response	Conc Units
		System Monitoring Compounds			
1)	S	Fluorobenzene (I)	4.58	7136450	40.015 ug/L
2)	S	Trifluorotoluene (S)	5.48	9811172	111.109 ug/L
Spiked Amount		100.000 Range 63 - 118		Recovery =	111.11%
3)	S	1-Chloro-3-fluorobenzene(S	8.40	9674718	113.723 ug/L
Spiked Amount		100.000 Range 60 - 120		Recovery =	113.72%
4)	S	Bromofluorobenzene(S)	11.14	7420303	112.808 ug/L
Spiked Amount		100.000 Range 73 - 120		Recovery =	112.81%
5)	S	Pentafluorobenzene (S)	3.86	11866659	106.964 ug/L
Spiked Amount		100.000 Range 60 - 120		Recovery =	106.96%
		Target Compounds			
6)	H	Gasoline By NWTPH-G	12.30	68007553	1299.006 ug/L
7)	H	Gasoline By AK101	7.00	74207503	1290.732 ug/L
8)	H	8015 (nC6-nC12)	9.00	94142695	1287.000 ug/L
9)	H	CA 8015B	7.00	95539060	1327.093 ug/L

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13194.D Vial: 26
Acq On : 11-30-2004 09:44:12 PM Operator: crf
Sample : 1250 ug/L BSD gro/aromatics gb4028 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 :



32284

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13193.D Vial: 25
Acq On : 11-30-2004 09:19:33 PM Operator: crf
Sample : 1250 ug/L BS gro/aromatics gb4028 Inst : Instrumen
Misc : Soil &10 #10 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:44:12 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)	4.58	7129309	39.975 ug/L
2)	S Trifluorotoluene (S)	5.48	9735760	110.481 ug/L
Spiked Amount	100.000 Range 63 - 118		Recovery =	110.48%
3)	S 1-Chloro-3-fluorobenzene(S	8.40	9529129	112.012 ug/L
Spiked Amount	100.000 Range 60 - 120		Recovery =	112.01%
4)	S Bromofluorobenzene(S)	11.14	7302949	111.024 ug/L
Spiked Amount	100.000 Range 73 - 120		Recovery =	111.02%
5)	S Pentafluorobenzene (S)	3.86	11409663	104.700 ug/L
Spiked Amount	100.000 Range 60 - 120		Recovery =	104.70%
	Target Compounds			
6)	H Gasoline By NWTPH-G	12.30	66351325	1267.371 ug/L
7)	H Gasoline By AK101	7.00	71294932	1240.072 ug/L
8)	H 8015 (nC6-nC12)	9.00	90744018	1240.537 ug/L
9)	H CA 8015B	7.00	91440853	1270.166 ug/L

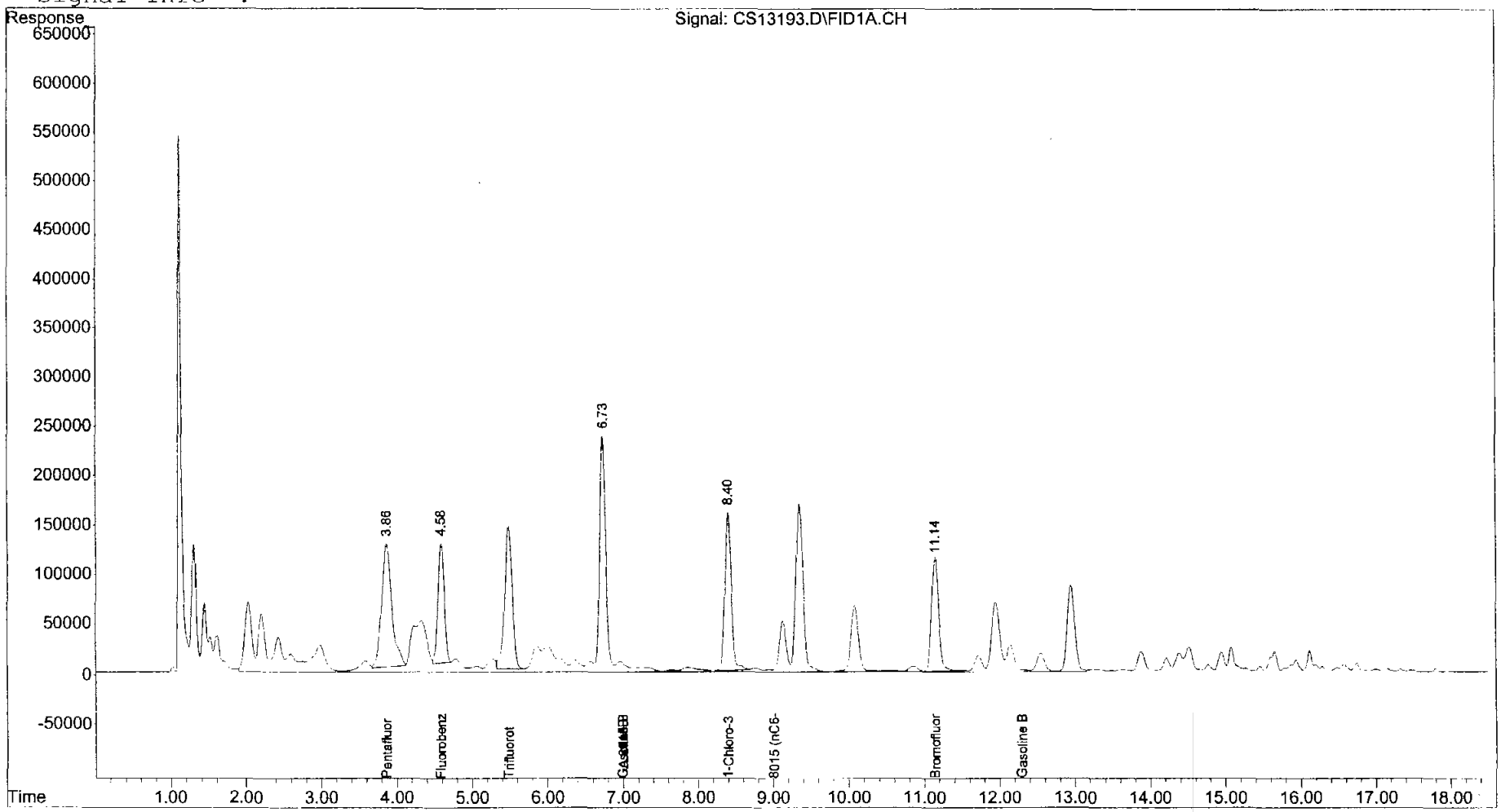
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13193.D Vial: 25
Acq On : 11-30-2004 09:19:33 PM Operator: crf
Sample : 1250 ug/L BS gro/aromatics gb4028 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 :

32288



DUPLICATE SAMPLE DATA PACKAGE

01042

Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13177.D Vial: 9
Acq On : 11-30-2004 01:40:14 PM Operator: crf
Sample : 124945-3 dup gb4028 Inst : Instrumen
Misc : Soil &10 #10.297 Multiplr: 1.00
IntFile : events.e
Quant Time: Dec 02 10:51:15 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	6863673	38.486 ug/L
2)	S	Trifluorotoluene (S)	5.48	8140063	96.667 ug/L
Spiked Amount		100.000 Range 63 - 118		Recovery =	96.67%
3)	S	1-Chloro-3-fluorobenzene(S	8.40	9348642	109.890 ug/L
Spiked Amount		100.000 Range 60 - 120		Recovery =	109.89%
4)	S	Bromofluorobenzene(S)	11.14	7197540	109.422 ug/L
Spiked Amount		100.000 Range 73 - 120		Recovery =	109.42%
5)	S	Pentafluorobenzene (S)	3.87	7845786	84.963 ug/L
Spiked Amount		100.000 Range 60 - 120		Recovery =	84.96%
		Target Compounds			
6)	H	Gasoline By NWTPH-G	12.30	1346981	25.729 ug/L
7)	H	Gasoline By AK101	7.00	1800496	31.317 ug/L
8)	H	8015 (nC6-nC12)	9.00	2127338	29.082 ug/L
9)	H	CA 8015B	7.00	2161926	30.030 ug/L

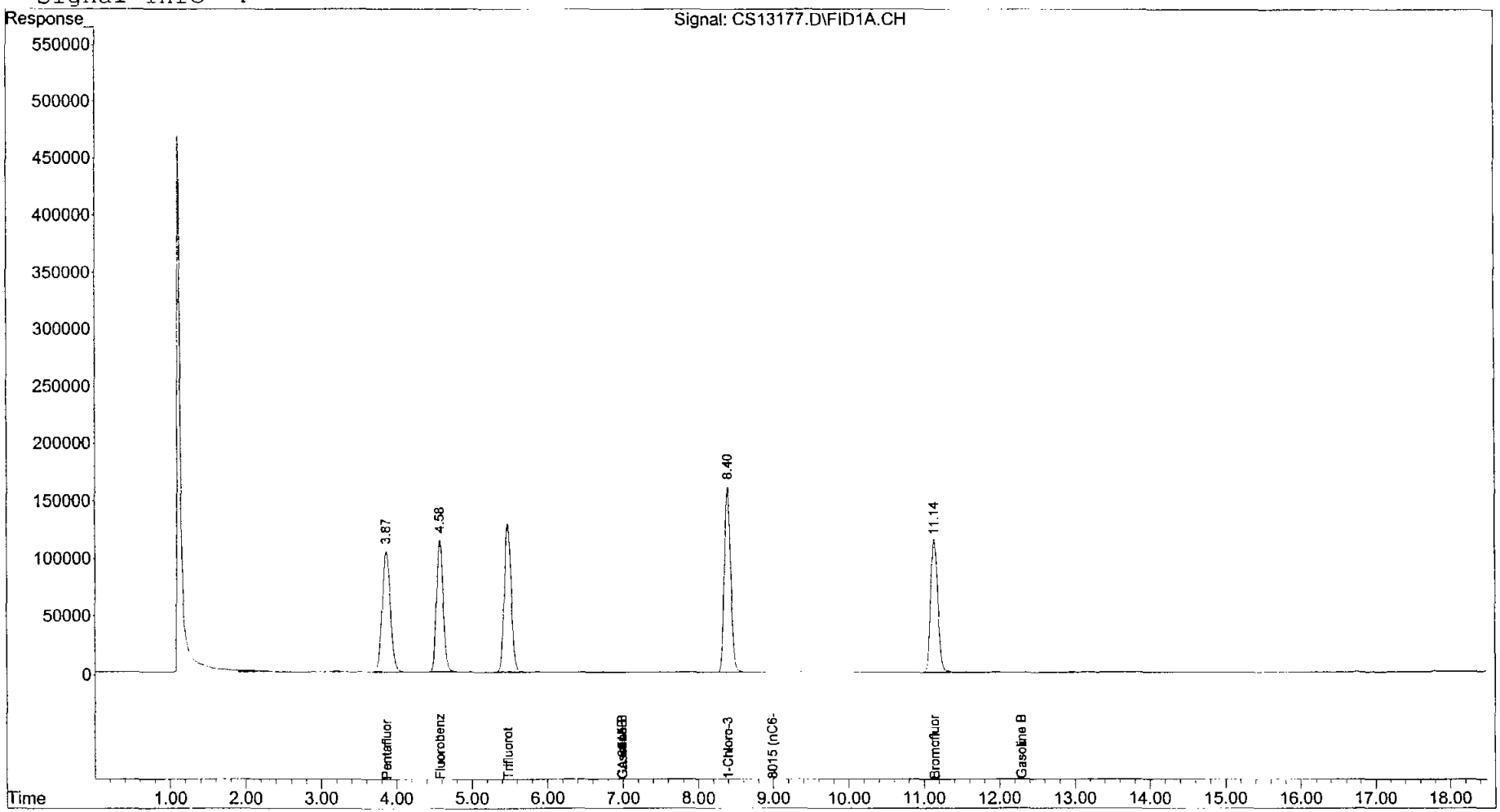
Quantitation Report (Not Reviewed)

Data File : I:\2\DATA\11302004\CS13177.D
Acq On : 11-30-2004 01:40:14 PM
Sample : 124945-3 dup gb4028
Misc : Soil &10 #10.297
IntFile : events.e
Quant Time: Dec 2 10:51 2004 Quant Results File: GAS_10132004.RES

Vial: 9
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 :



32294

LABORATORY WORKSHEETS

01045

gas Worksheet - total

11/30

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:solid		059/1 ~~059/4~~
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie	

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

Regular Soil Jar

~~Sample number~~ 124945-3		11/30/04 aw	Client Sample ID: 041116SGA02SS
Sample Weight/~~Volume~~	10.1780		Date Received: 11/18/2004
dup	10.2970		**Date Sampled: 11/16/2004 3:15:00 PM**

NWTPH-Gx

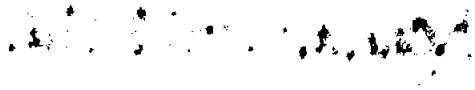
Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date 12/1/04

Reviewed by _____ Date 32298 12/6/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01046



STL Seattle

VOLATILE FUEL EXTRACTION LOG

Date: 11/30/04
Analyst: [illegible]
Spike: STL #: 1148-44-16 Amt(uL): 91
Spike: STL #: — Amt(uL): —

Instrument ID: S2003 QC Batch ID: GR4028
Methanol Lot #: 34924
IS Std. #: 1155-69-02 Amt.:(uL): 1.0
Surrogate: 1155-69-01 Amt.(uL): 10 ml
Post Surrogate: 1155-55-01 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	44		[illegible]	
BS							
BSD							
124945-x3	10.178						
1 -x3dup	10.297						
124993-2	10.253						
-3	10.316						
-4	10.057						
-6	10.456						
-7	10.378						
-7 ms	10.046						
-7 msd	10.309						
-17	10.500						
-18	10.642						
-19	10.408						
-20	10.497						
-20 ms	10.367						
-20 msd	10.370						
125057-8	10.117						
-8dup	10.233						
-10	10.221						
-12	10.253						
-13	10.050						
-14	10.075						
-15	10.207						
-15ms	10.316						
-15msd	10.316						
-16	10.491						

must be next batch 11/30/04

SPIKE WITNESSING: (CHECK OFF, SIGN & DATE)

Method
Special Spiking Instructions

Matrix
Spike Soln.
Amount Spiked

Signature: [illegible]
11/30/04

98

01047

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	URS Corporation
Work Order Number	124945
Sample Number	3
QC Batch Number	gb4028
Client Sample ID	041116SGA02SS
Date Received	11/18/04
Date Prepared	11/30/04
Date Analyzed	11/30/04
Sample matrix type	solid
QC sample type	sample

Related Blank: gb4028

Sample weight (g)	10.178	=	0.01018	kg	Calc. Factor	0.046268486
Extract volume (ml)	10	=	10	ml	Dry Weight	8.6451932 g
Dilution Factor		=	1		Units	mg/kg
% Solids	84.94	=	0.8494		Spike Factor	0.046268486
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	96.3619		96.4	OK	50	150
x	1-Chloro-3-fluorobenzene	109.3028		109	OK	50	150
x	Bromofluorobenzene	108.0505		108	OK	50	150
x	Pentafluorobenzene	85.0401		85	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	48.8146		20.0073	2.26	J B1	4.63

010048

STL Seattle

6a Sample Information INSTRUMENT

Client Name	
Work Order Number	
Sample Number	Related Blank: noblank
QC Batch Number	**gb4028**
Client Sample ID	
Date Received	
Date Prepared	**11/30/04**
Date Analyzed	**11/30/04**
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	102.5213		103	**OK**	50	150
x	1-Chloro-3-fluorobenzene	108.2716		108	**OK**	50	150
x	Bromofluorobenzene	107.7407		108	**OK**	50	150
x	Pentafluorobenzene	83.5421		83.5	**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	20.0073			0.8	J		4

01049

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	
Work Order Number	
Sample Number	Related Blank: gb4028
QC Batch Number	**gb4028**
Client Sample ID	
Date Received	
Date Prepared	**11/30/04**
Date Analyzed	**11/30/04**
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	110.4811		110	**OK**	50	150
x	1-Chloro-3-fluorobenzene	112.0118		112	**OK**	50	150
x	Bromofluorobenzene	111.0241		111	**OK**	50	150
x	Pentafluorobenzene	104.6997		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	1267.371		20.0073	50.7	B2		4

01050

STL Seattle

6a Sample Information INSTRUMENT

Client Name	
Work Order Number	
Sample Number	Related Blank: gb4028
QC Batch Number	**gb4028**
Client Sample ID	
Date Received	
Date Prepared	**11/30/04**
Date Analyzed	**11/30/04**
Sample matrix type	**solid**
QC sample type	**bsd**

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	111.1087		111	**OK**	50	150
x	1-Chloro-3-fluorobenzene	113.7232		114	**OK**	50	150
x	Bromofluorobenzene	112.8082		113	**OK**	50	150
x	Pentafluorobenzene	106.9639		107	**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	1299.006		20.0073	52	B2		4

01051

STL Seattle

6a **Sample Information** INSTRUMENT

Client Name	URS Corporation
Work Order Number	124945
Sample Number	3
QC Batch Number	gb4028
Client Sample ID	041116SGA02SS
Date Received	11/18/04
Date Prepared	11/30/04
Date Analyzed	11/30/04
Sample matrix type	solid
QC sample type	dup

Related Blank: gb4028

Sample weight (g)	10.297	=	0.0103 kg	Calc. Factor	0.045733772
Extract volume (ml)	10	=	10 ml	Dry Weight	8.7462718 g
Dilution Factor		=	1	Units	mg/kg
% Solids	84.94	=	0.8494	Spike Factor	0.045733772
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	96.6669		96.7	OK	50	150
x	1-Chloro-3-fluorobenzene	109.8903		110	OK	50	150
x	Bromofluorobenzene	109.4216		109	OK	50	150
x	Pentafluorobenzene	84.9633		85	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	25.7286		20.0073	1.18	J B1	4.57

01052

DIESEL AND MOTOR OIL RANGE ORGANICS DATA PACKAGE

01053

SAMPLE DATA

01054

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14729.D Vial: 19
Acq On : 19 Nov 2004 20:48 Operator: jda
Sample : 124945-3 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 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 : 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	467284	16.084 ng/ul
	Target Compounds			
2) H	#2 Diesel	9.00	87567	~~0.333~~ ng/ul

cmdl 2e 112304

(f)=RT Delta > 1/2 Window 32316 (m)=manual int.
EP14729.D NWDF1116.M Mon Nov 22 07:42:57 2004 Page 1

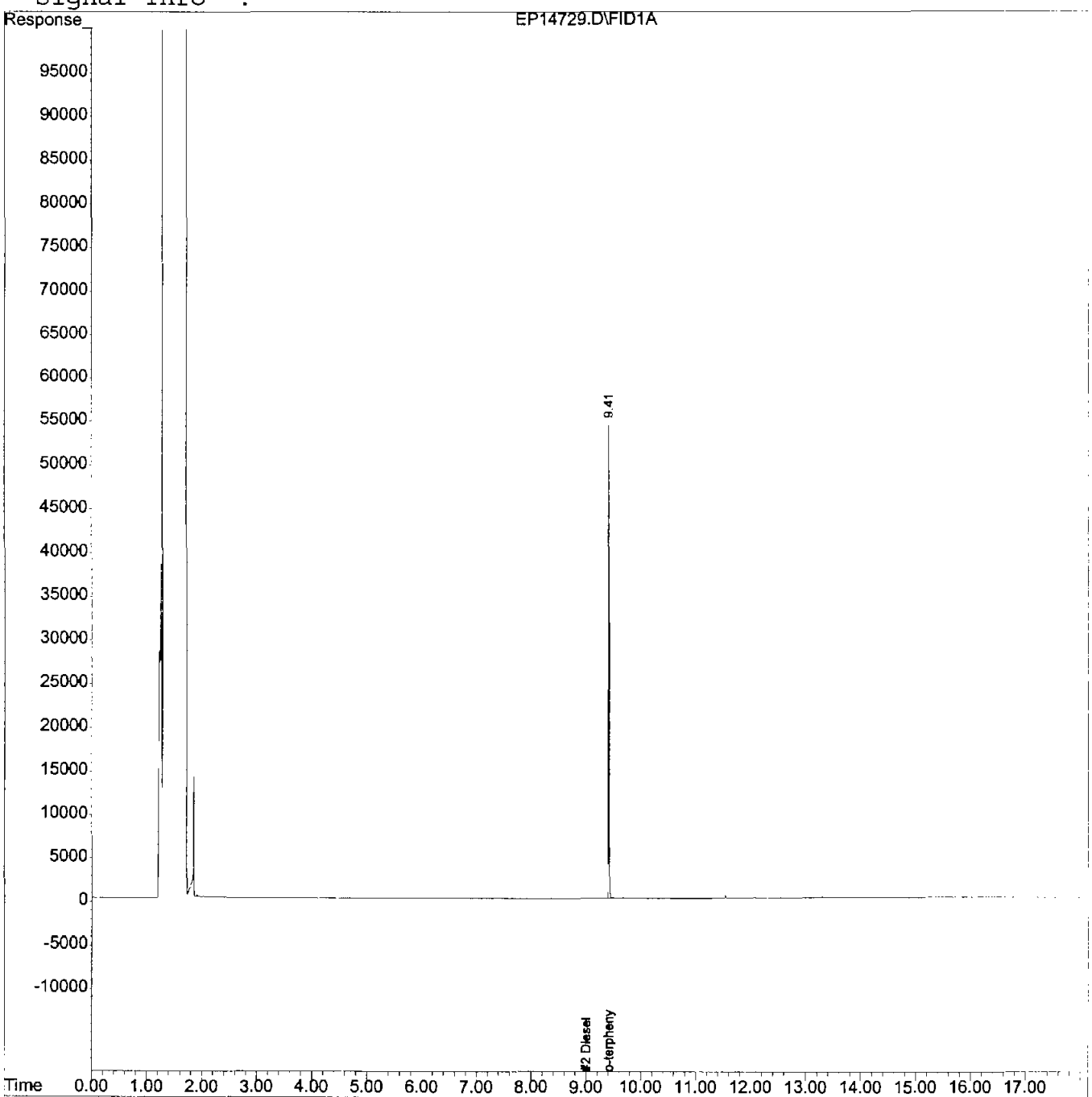
01055

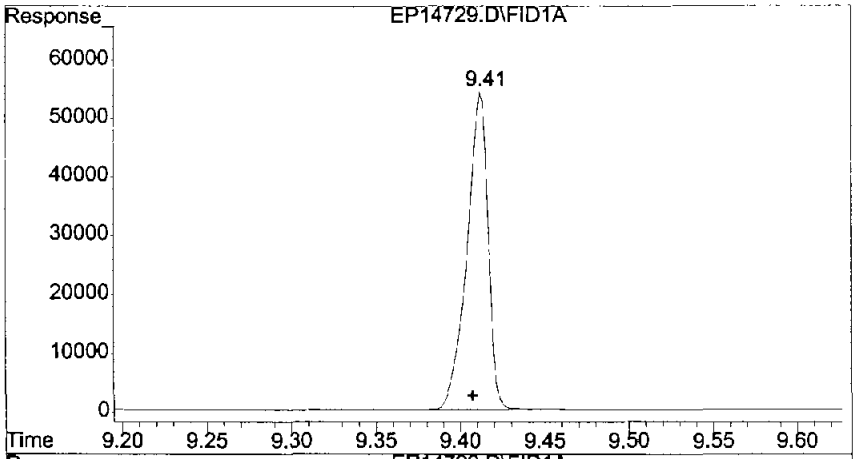
Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14729.D Vial: 19
Acq On : 19 Nov 2004 20:48 Operator: jda
Sample : 124945-3 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 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 : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

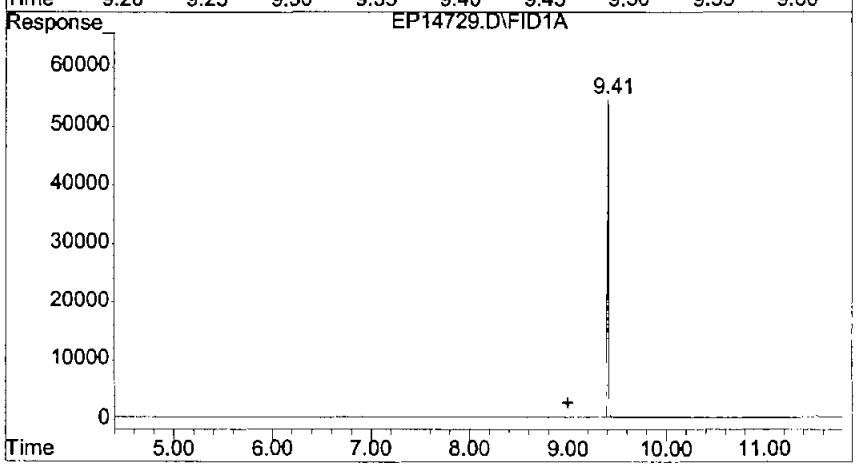
Volume Inj. :
Signal Phase :
Signal Info :





#1 o-terphenyl (S)

R.T.: 9.413 min
Delta R.T.: 0.005 min
Response: 467284
Conc: 16.08 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 87567
Conc: 0.33 ng/ul m

01057

INITIAL CALIBRATION

01058

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

only good to 2500
for motor oil
qa 11-17-04

01059

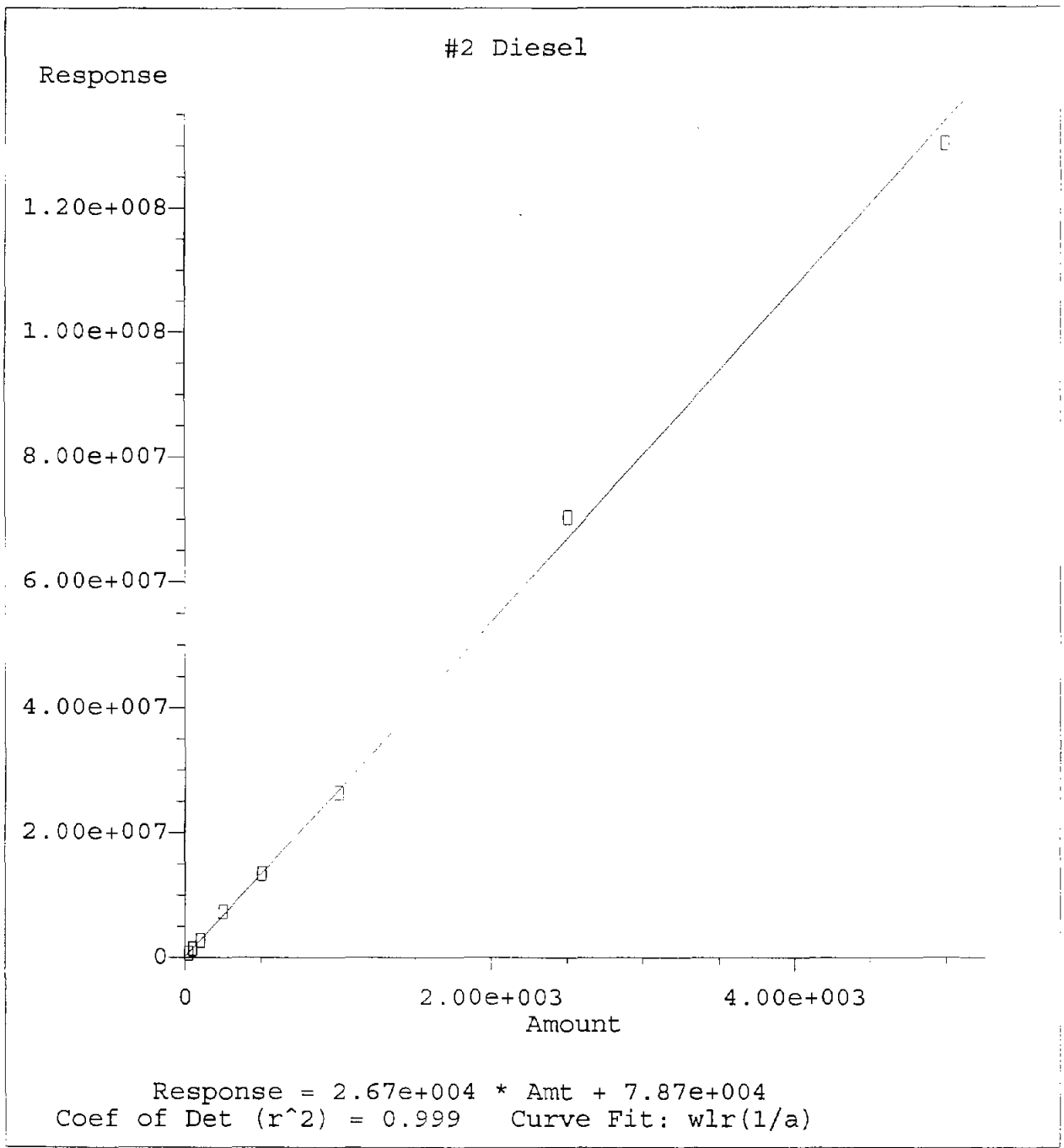
Response Factor Report SEA016

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

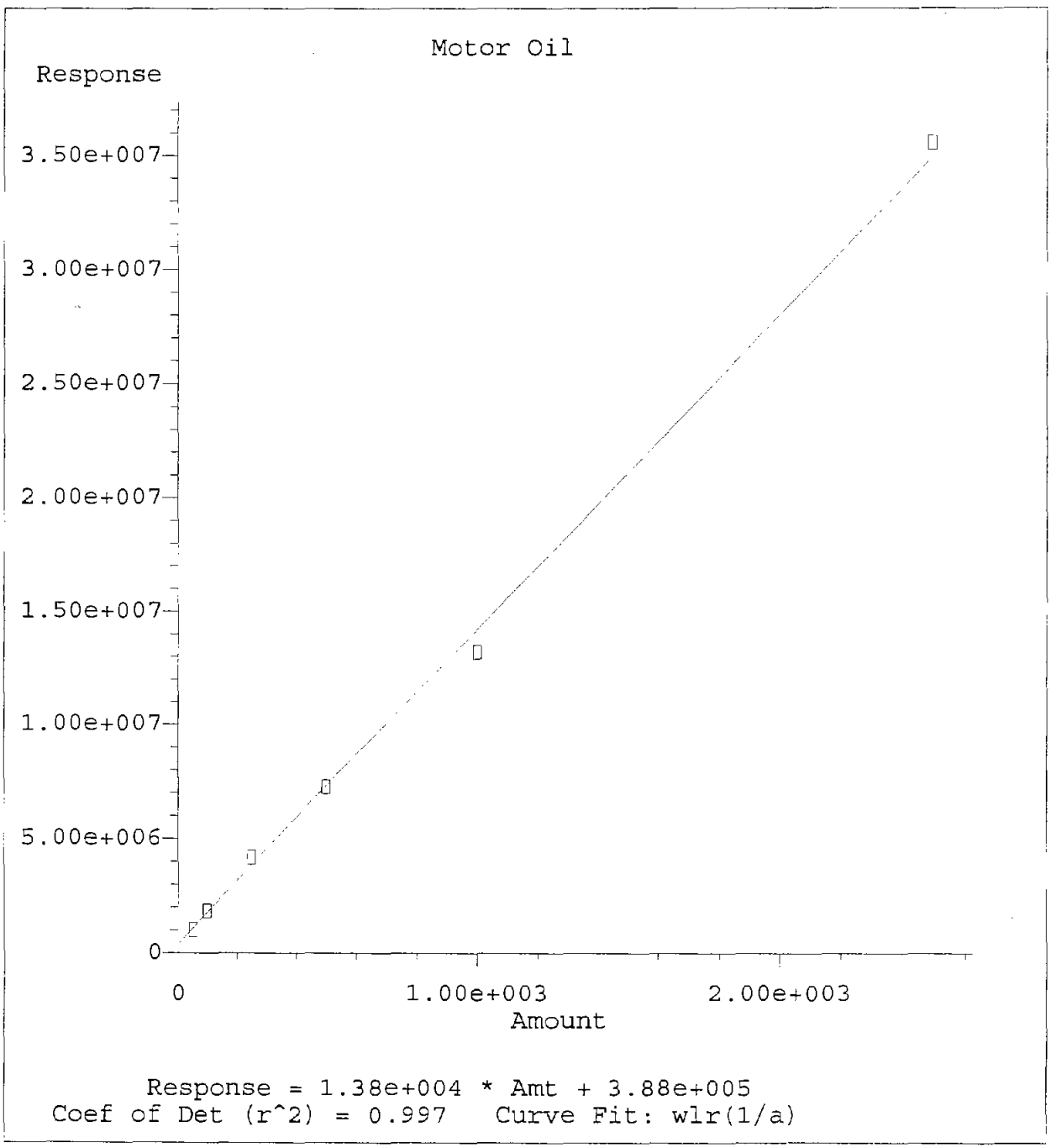
		Compound	25	50	100	250	500	1000	Avg	%RSD
1)	S	o-terphenyl (S)		2.574	2.746	3.119	2.945	2.984	2.905 E4	7.12
2)	H	#2 Diesel	2.698	2.839	2.758	2.952	2.693	2.640	2.750 E4	4.17
3)	H	Motor Oil		2.029	1.833	1.673	1.450	1.318	1.621 E4	16.88

#) = Out of Range ### Number of calibration levels exceeded format ###



Method Name: G:\METHODS\NWDF1116.M
Calibration Table Last Updated: Wed Nov 17 07:41:09 2004

01061



Method Name: G:\METHODS\NWDF1116.M
Calibration Table Last Updated: Wed Nov 17 07:41:09 2004

01062

Injection Log

Directory: G:\DATA\111604_A

ine	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
	1	Ep14663.d	1.	rinse		16 Nov 2004 12:55
	2	Ep14664.d	1.	1166-61-8 n-alkane rt st		16 Nov 2004 13:21
	3	Ep14665.d	1.	1166-60-1 25d ical		16 Nov 2004 13:47
	4	Ep14666.d	1.	1166-60-2 50dm ical		16 Nov 2004 14:14
	5	Ep14667.d	1.	1166-60-3 100dm ical		16 Nov 2004 14:40
	6	Ep14668.d	1.	1166-60-4 250dm ical		16 Nov 2004 15:11
	7	Ep14669.d	1.	1166-60-5 500dm ical		16 Nov 2004 15:42
	8	Ep14670.d	1.	1166-60-6 1000dm ical		16 Nov 2004 16:13
	9	Ep14671.d	1.	1166-60-7 2500dm ical		16 Nov 2004 16:44
0	10	Ep14672.d	1.	1166-60-8 5000dm ical		16 Nov 2004 17:15
1	11	Ep14673.d	1.	1166-59-2 1000dm icv		16 Nov 2004 17:46

01063

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 : 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 32334 (m)=manual int.
EP14665.D NWDF1116.M Wed Nov 17 07:55:00 2004 Page 1

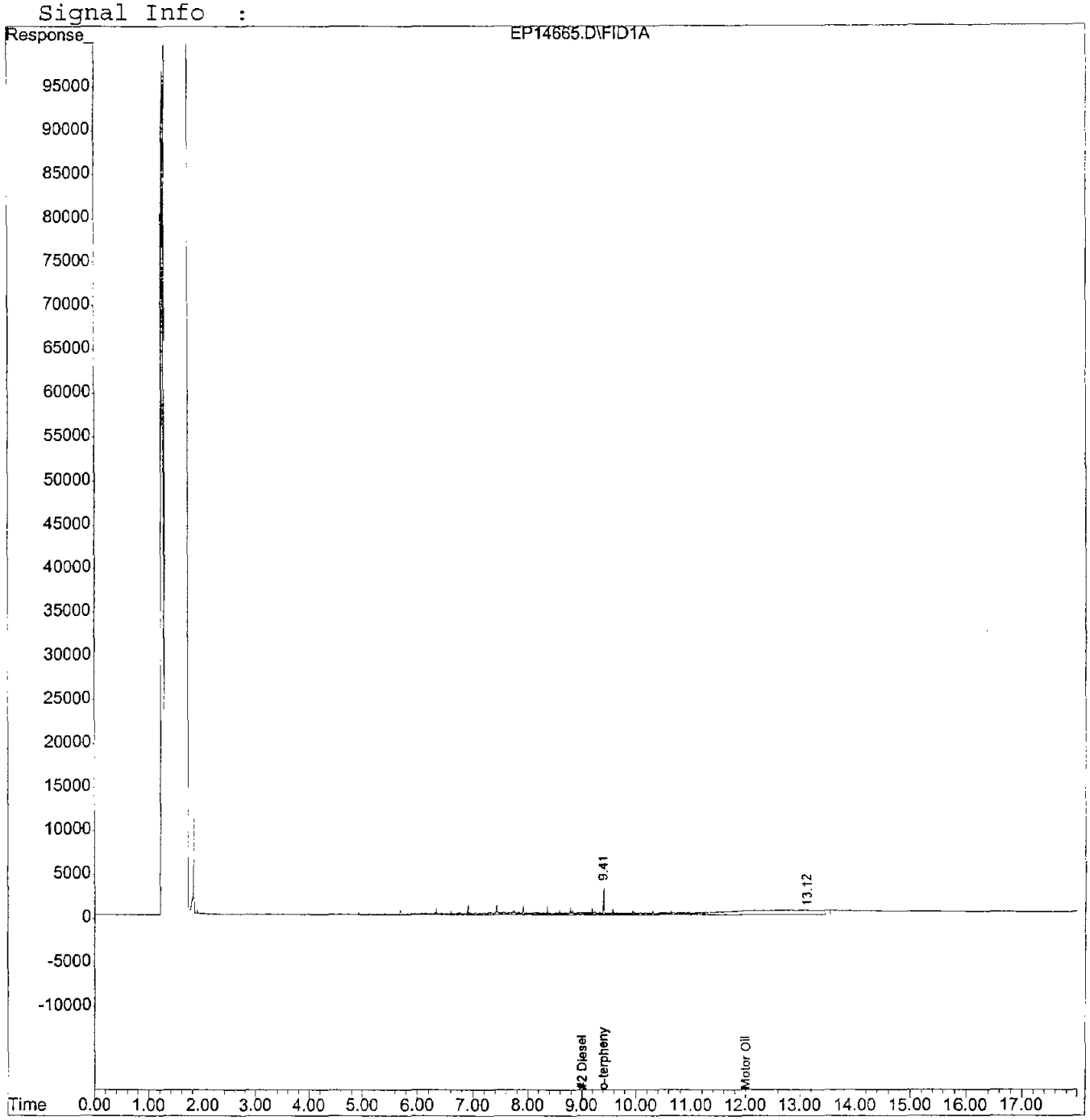
01064

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

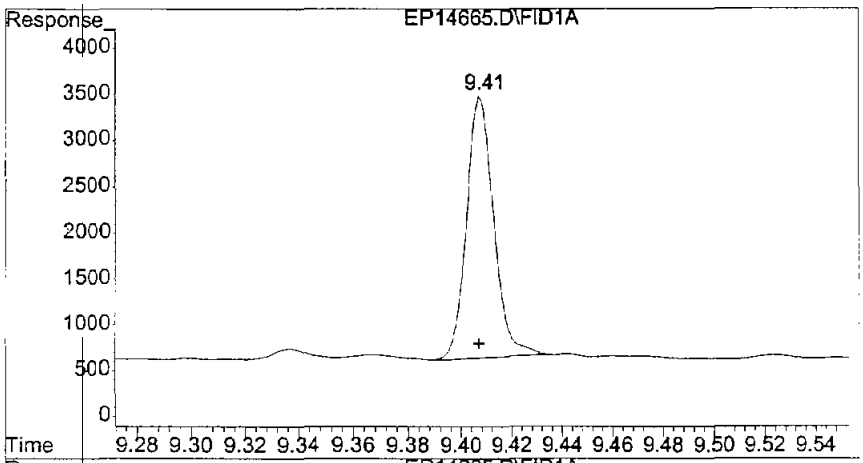
Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



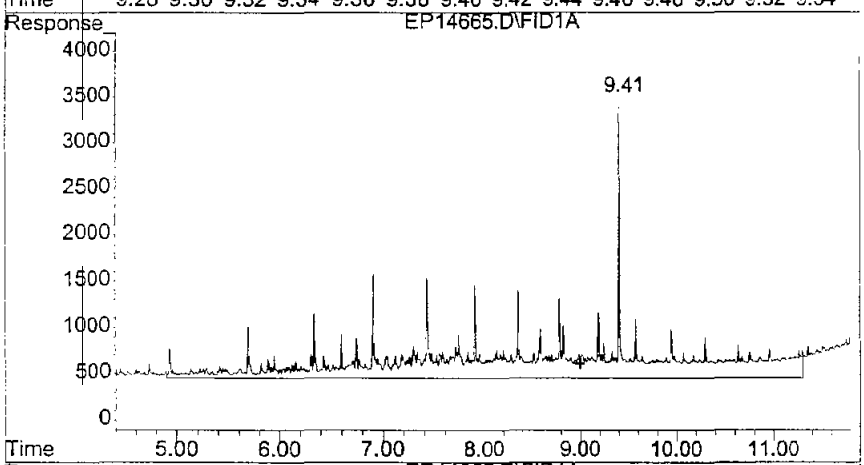
32336

01065



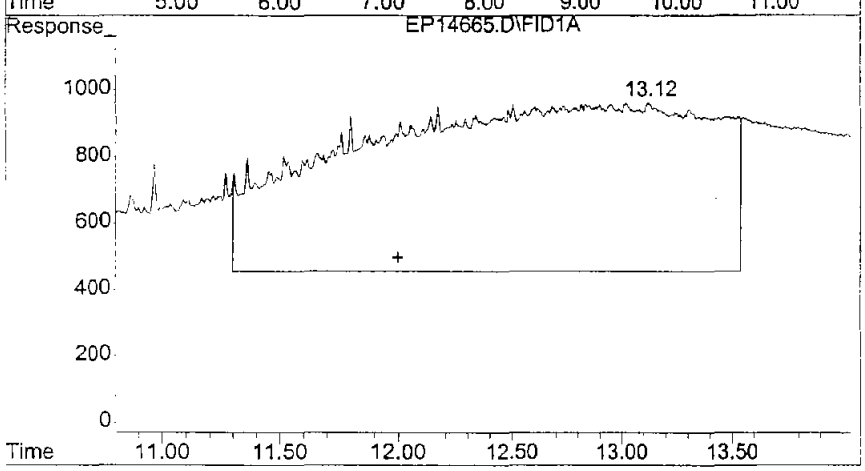
#1 o-terphenyl (S)

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 Vial: 4
Acq On : 16 Nov 2004 14:14 Operator: jda
Sample : 1166-60-2 50dm 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 : 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 32340 (m)=manual int.
EP14666.D NWDF1116.M Wed Nov 17 07:55:06 2004 Page 1

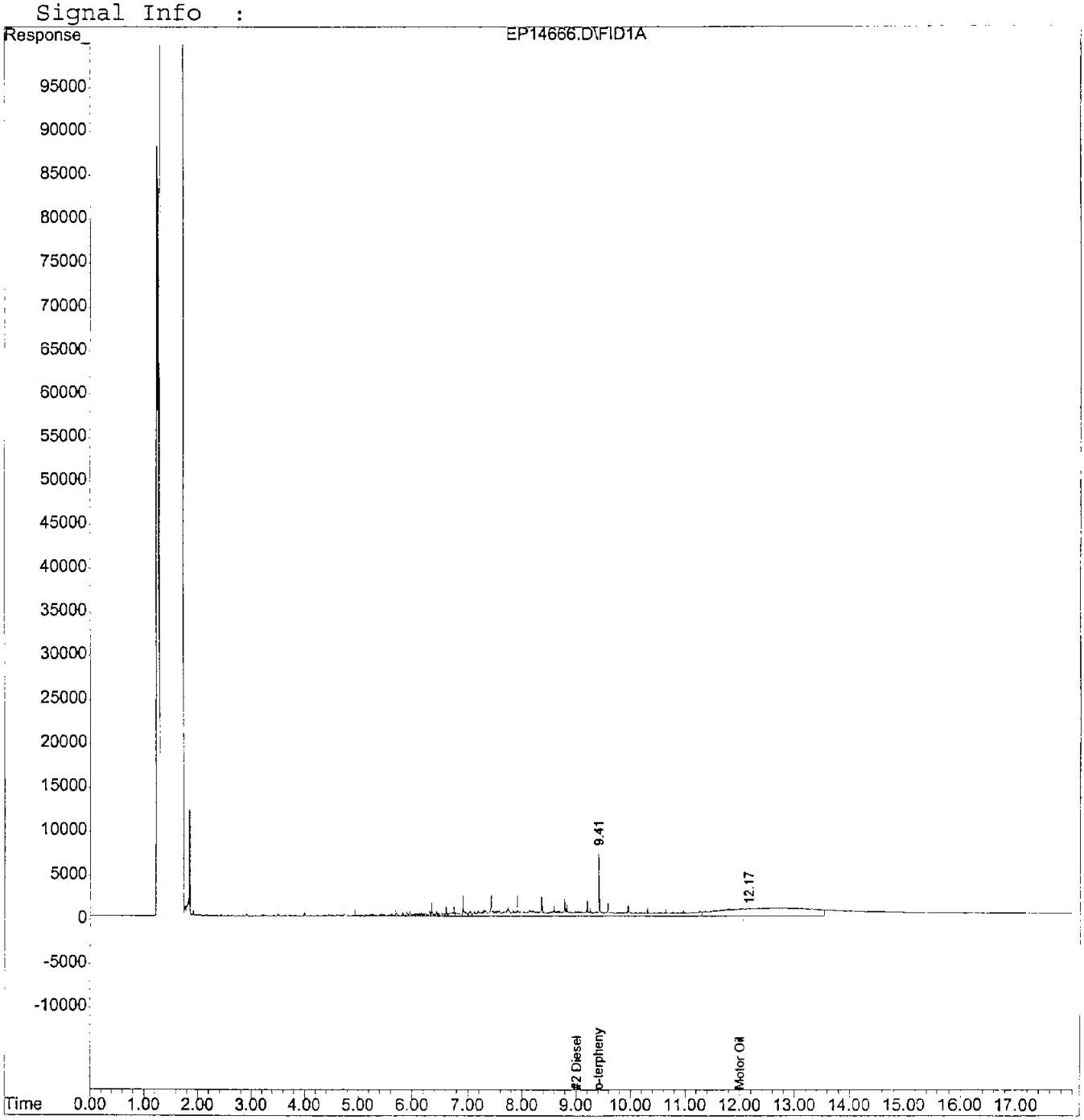
01067

Quantitation Report (Not Reviewed)

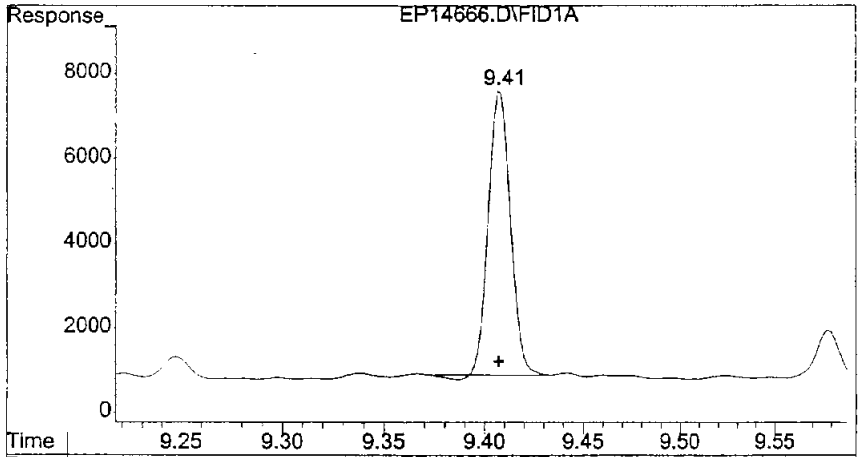
Data File : G:\DATA\111604_A\EP14666.D Vial: 4
Acq On : 16 Nov 2004 14:14 Operator: jda
Sample : 1166-60-2 50dm ical Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:42 2004 Quant Results File: NWDF1103.RES

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 :

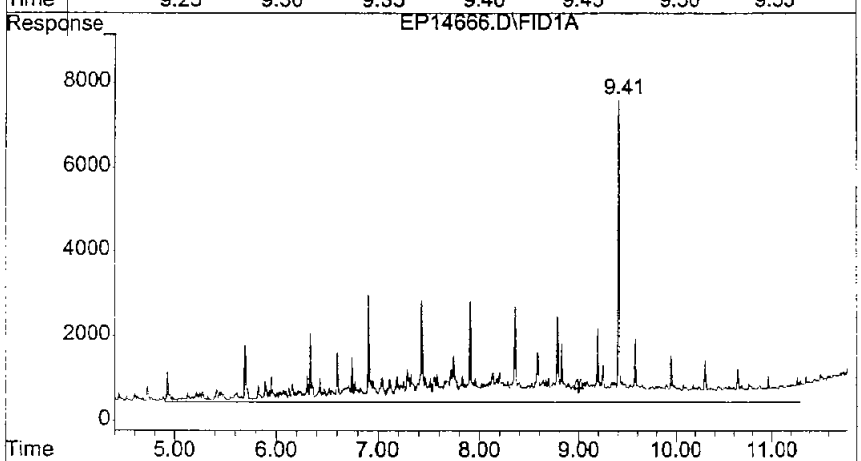


01068



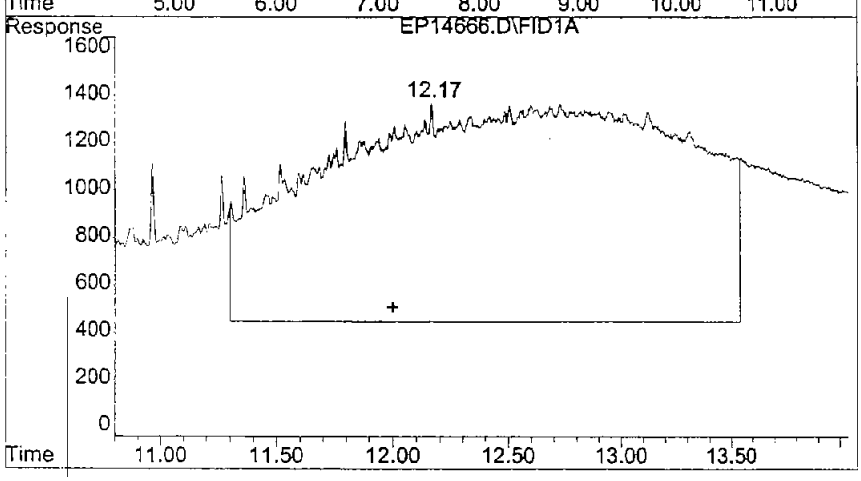
#1 o-terphenyl (S)

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 :

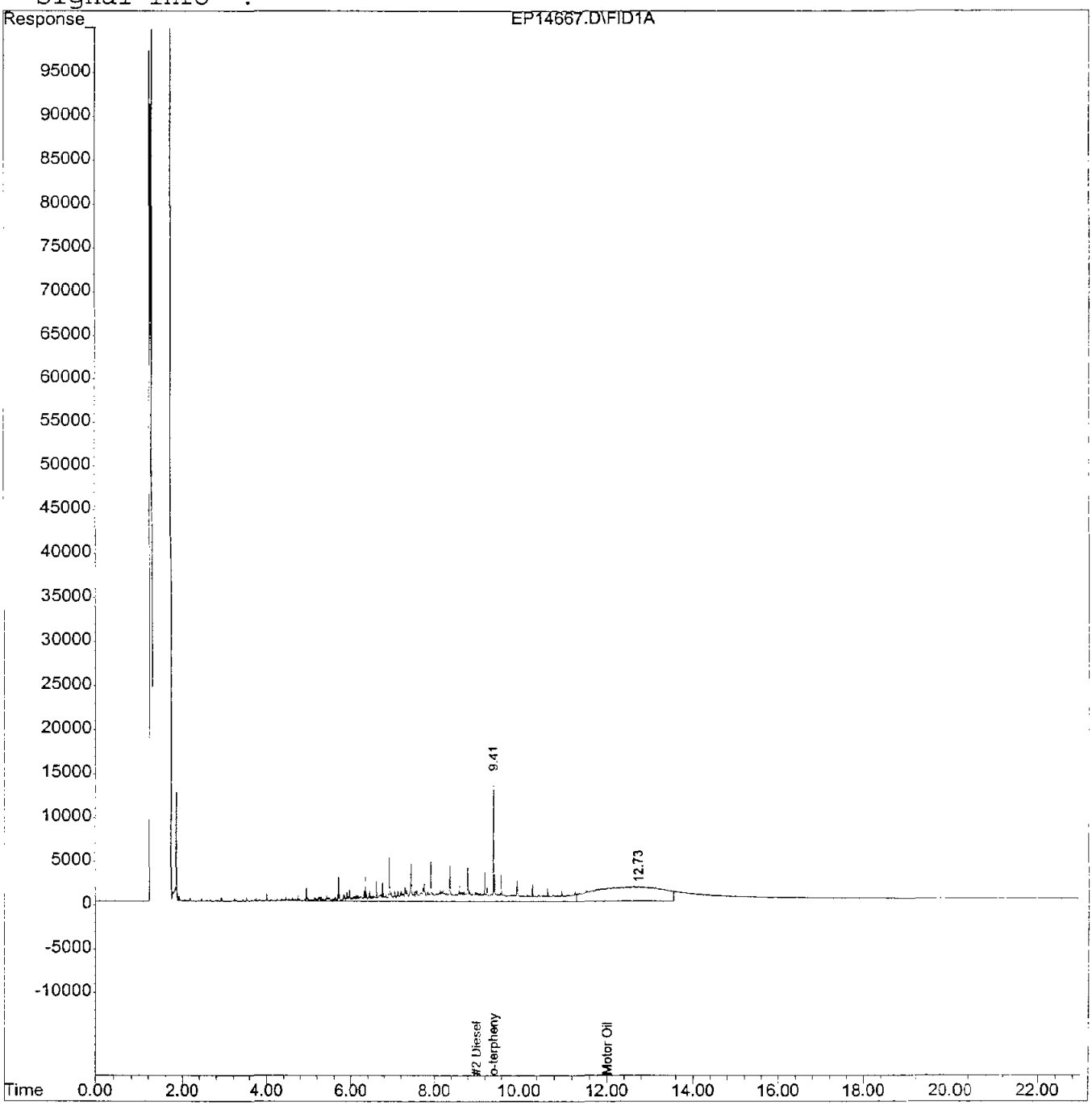
	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
1) S	o-terphenyl (S)	9.41	109825	3.780 ng/ul
	Target Compounds			
2) H	#2 Diesel	9.00	2758816	100.257 ng/ul
3) H	Motor Oil	12.00	1833345	104.807 ng/ul

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

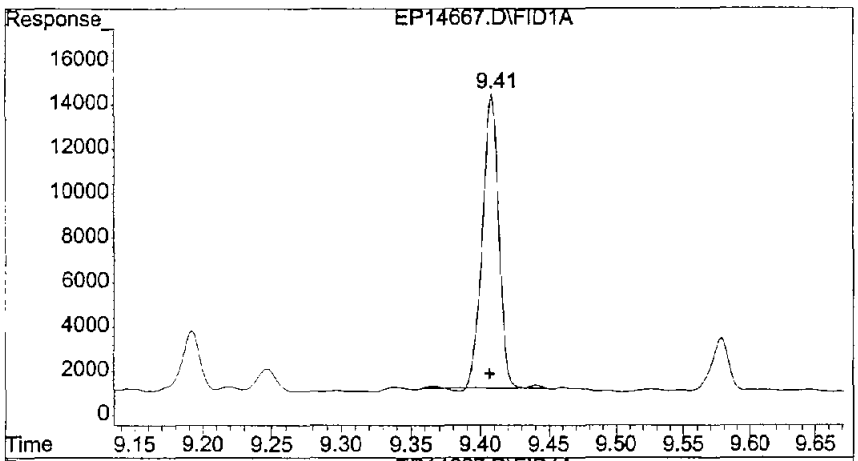
Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



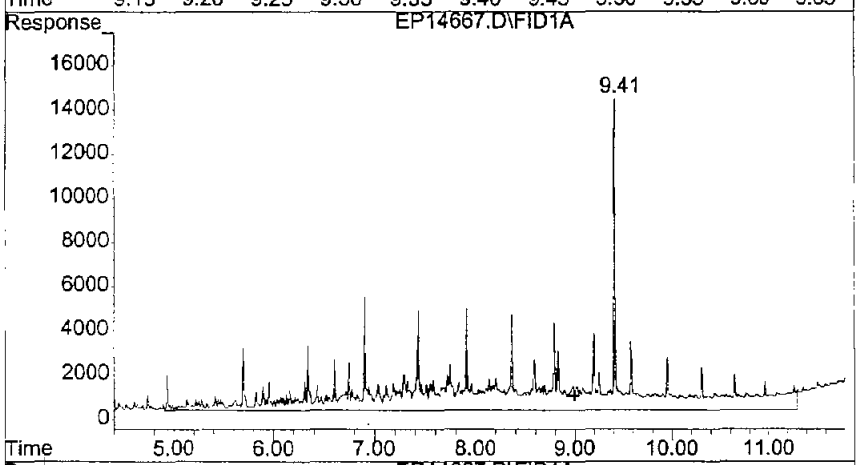
32348

01071



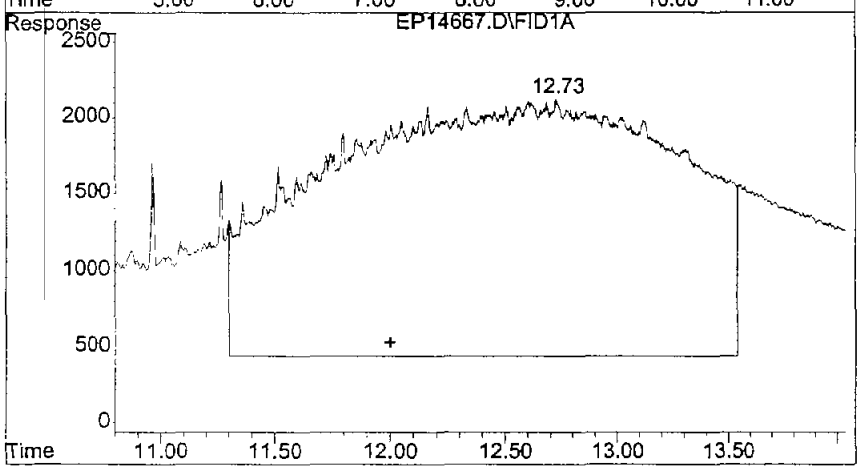
#1 o-terphenyl (S)

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 :

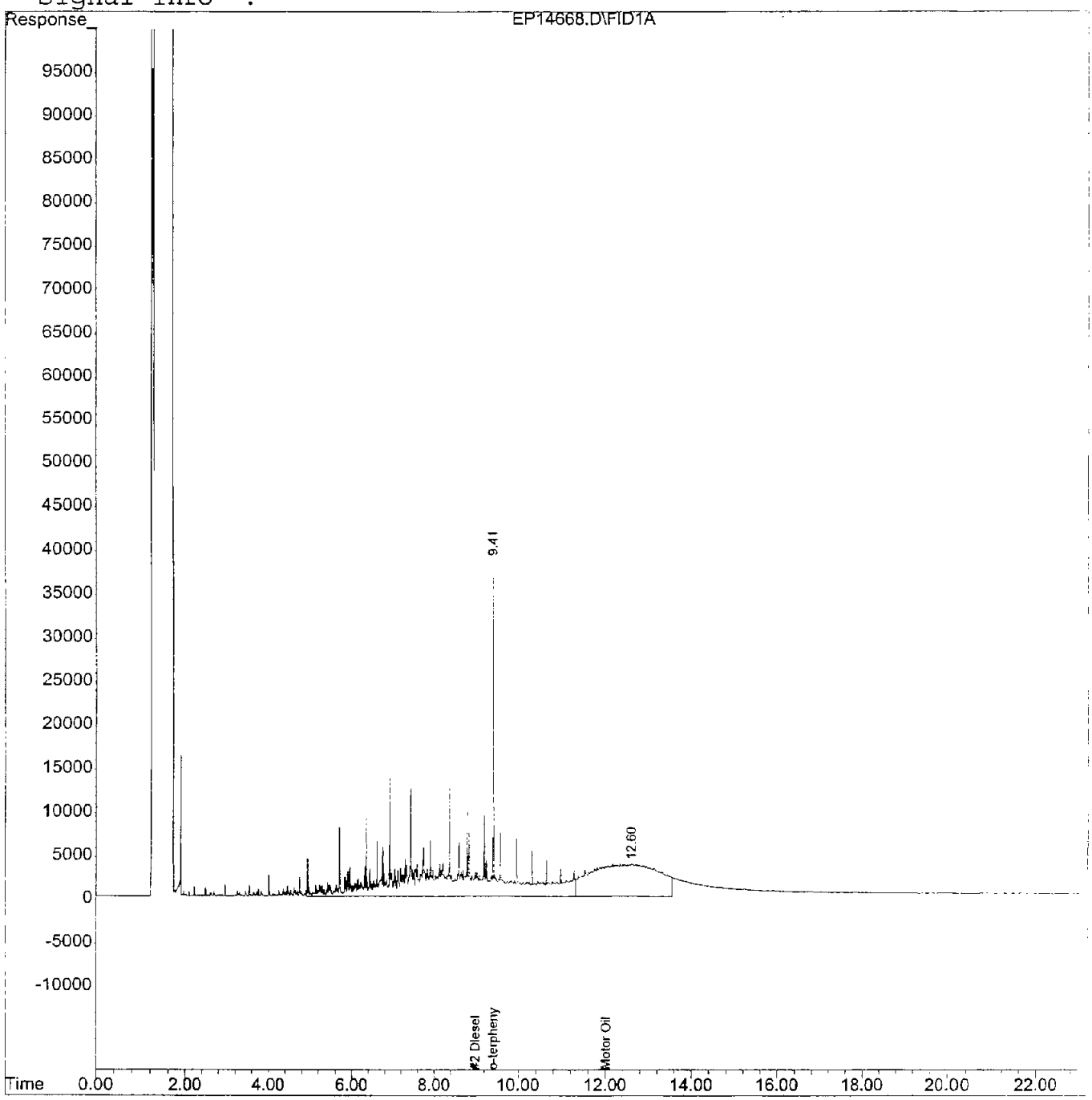
		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	o-terphenyl (S)	9.41	311947	10.737	ng/ul
		Target Compounds				
2)	H	#2 Diesel	9.00	7383249	273.243	ng/ul
3)	H	Motor Oil	12.00	4184274	275.248	ng/ul

Quantitation Report (Not Reviewed)

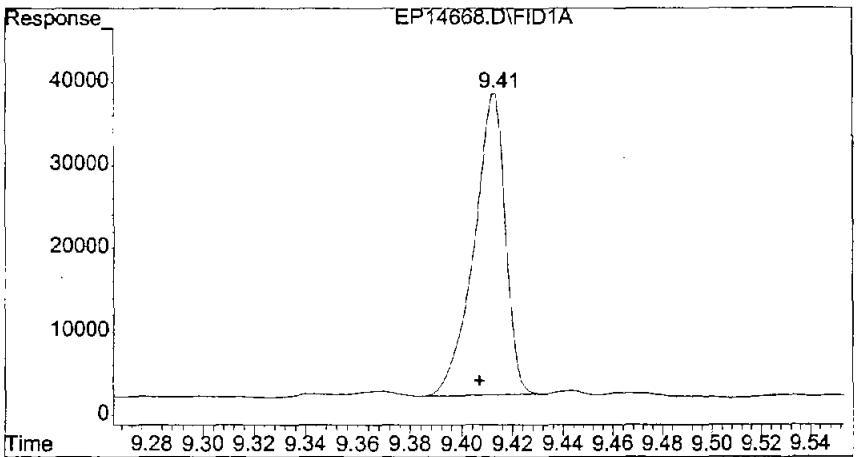
Data File : G:\DATA\111604_A\EP14668.D Vial: 6
Acq On : 16 Nov 2004 15:11 Operator: jda
Sample : 1166-60-4 250dm ical Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:43 2004 Quant Results File: NWDF1103.RES

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 : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

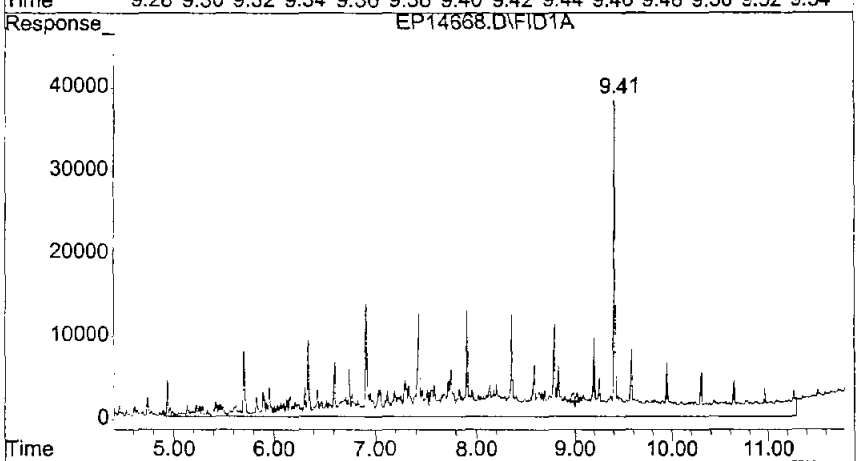


32354
01074



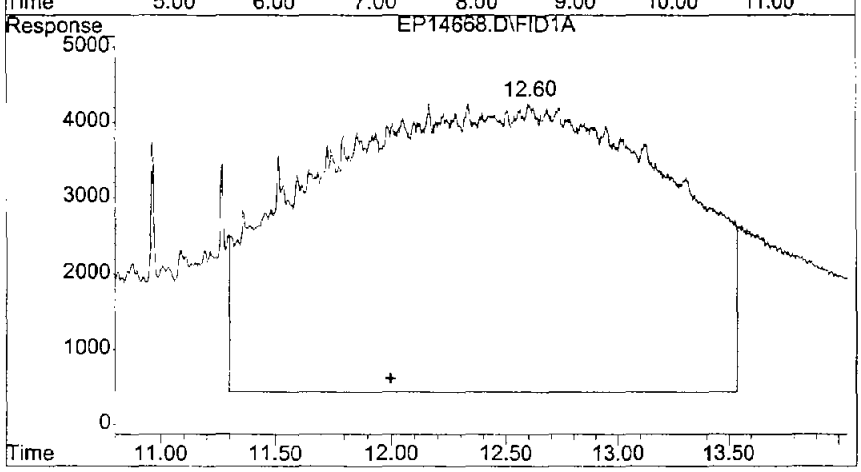
#1 o-terphenyl (S)

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

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

(f)=RT Delta > 1/2 Window 32358 (m)=manual int.
EP14669.D NWDF1116.M Wed Nov 17 07:55:23 2004 Page 1

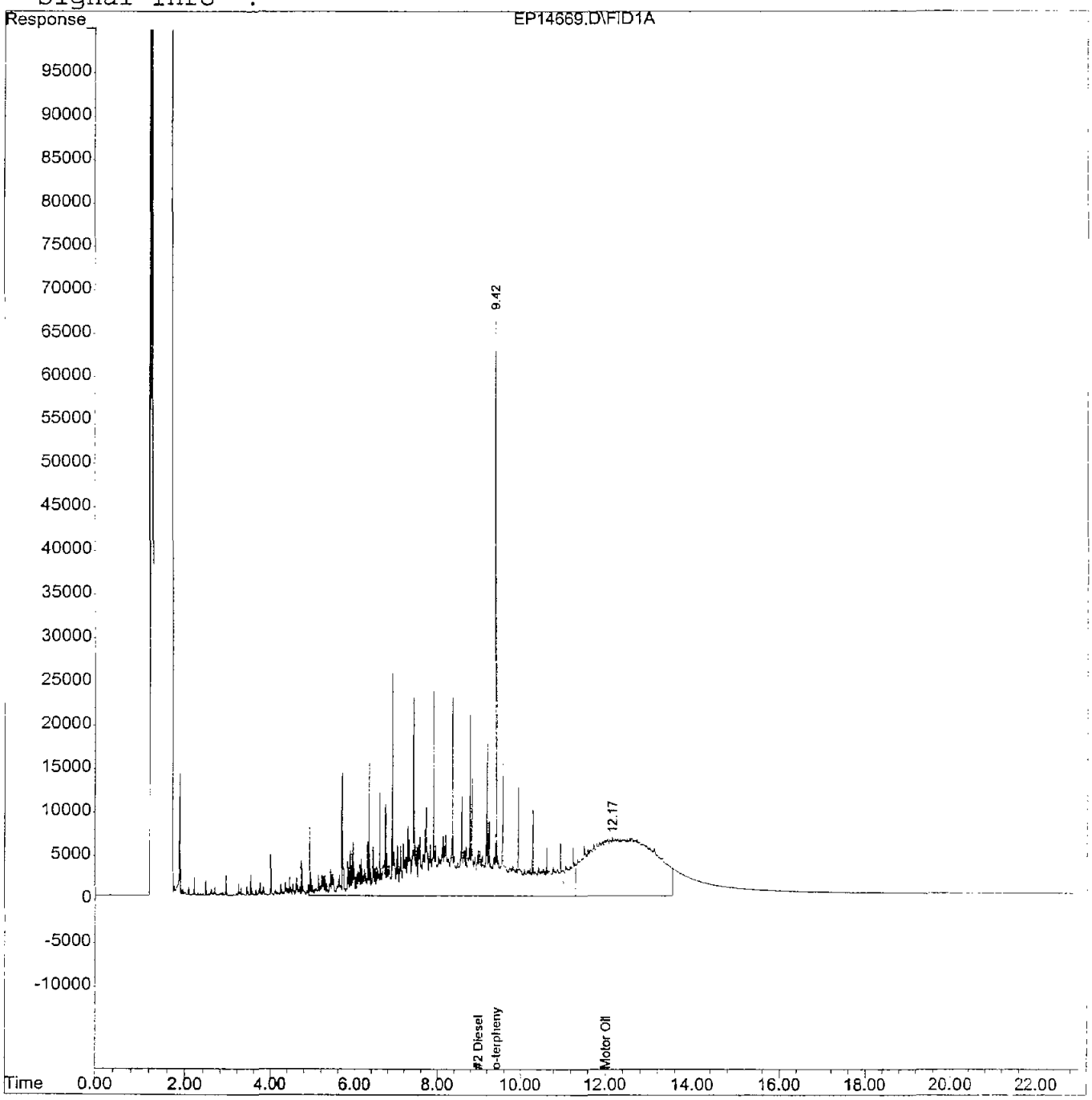
01076

Quantitation Report (Not Reviewed)

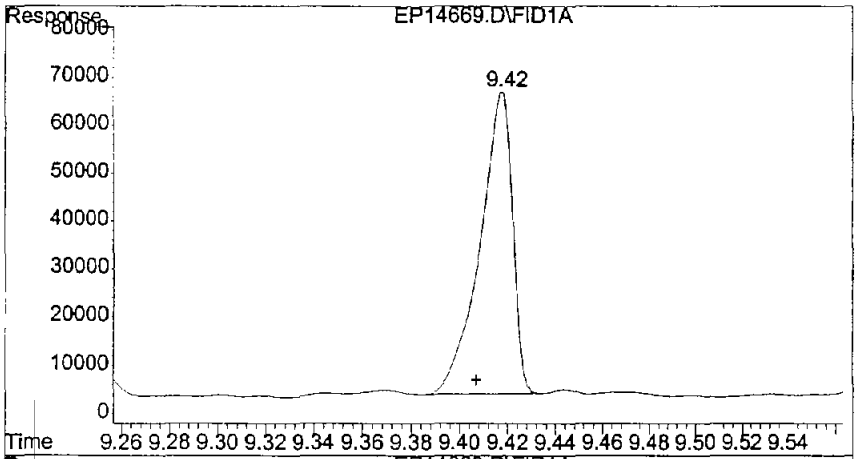
Data File : G:\DATA\111604_A\EP14669.D Vial: 7
Acq On : 16 Nov 2004 15:42 Operator: jda
Sample : 1166-60-5 500dm ical Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:43 2004 Quant Results File: NWDF1103.RES

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 : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

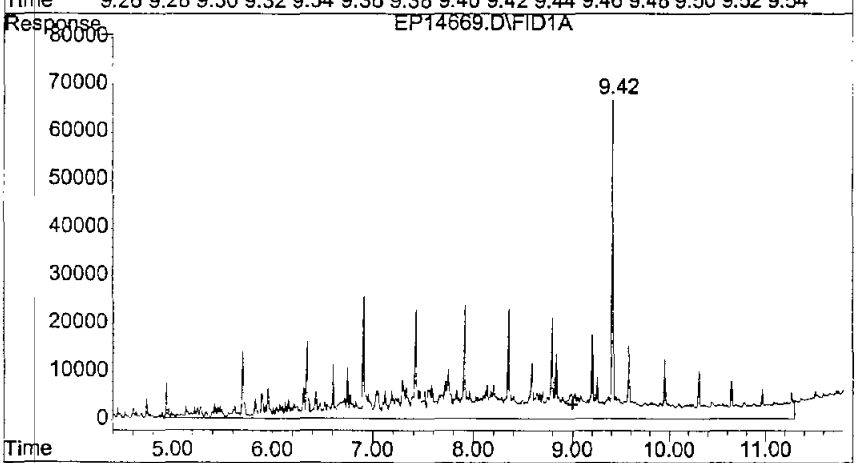


01027



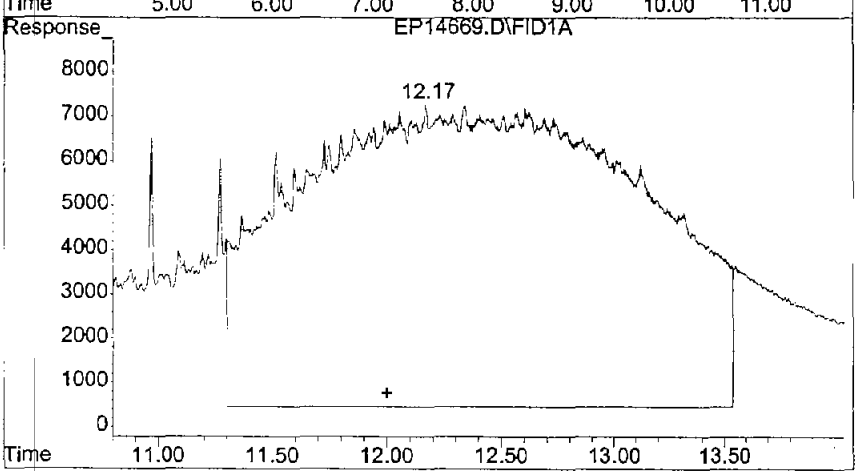
#1 o-terphenyl (S)

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 32364 (m)=manual int.
EP14670.D NWDF1116.M Wed Nov 17 07:55:29 2004 Page 1

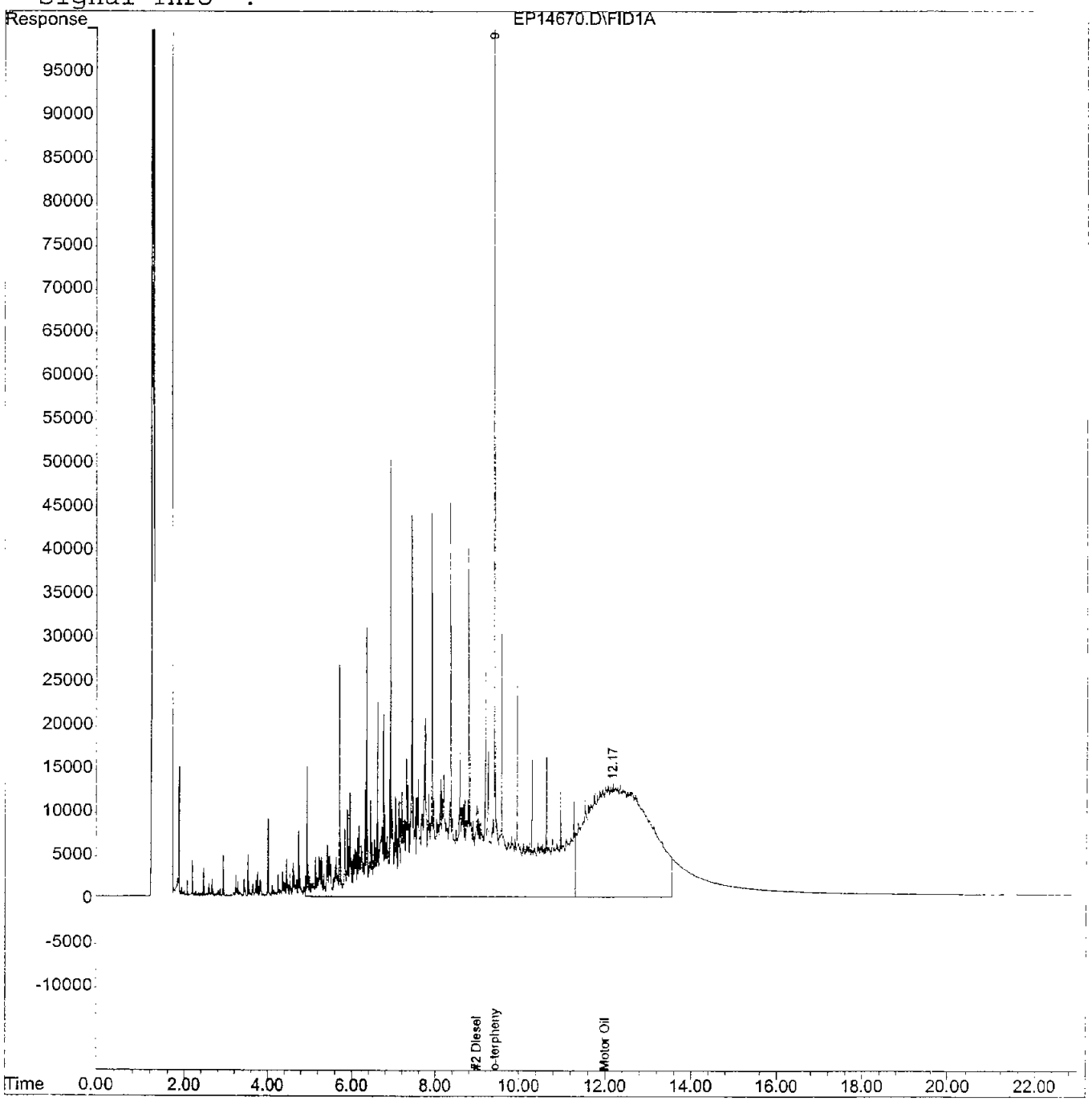
01079

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

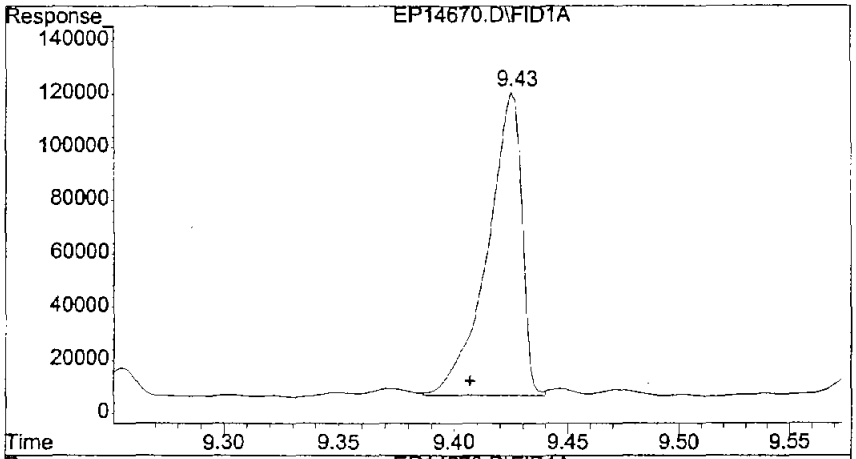
Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



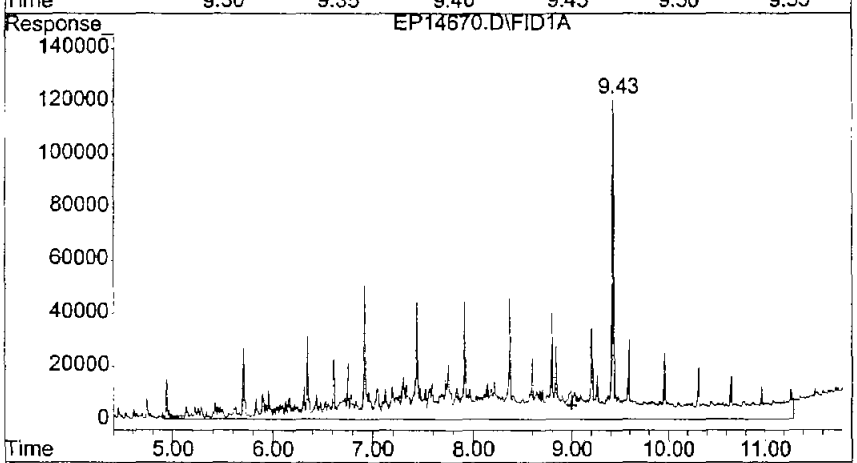
32366

01080



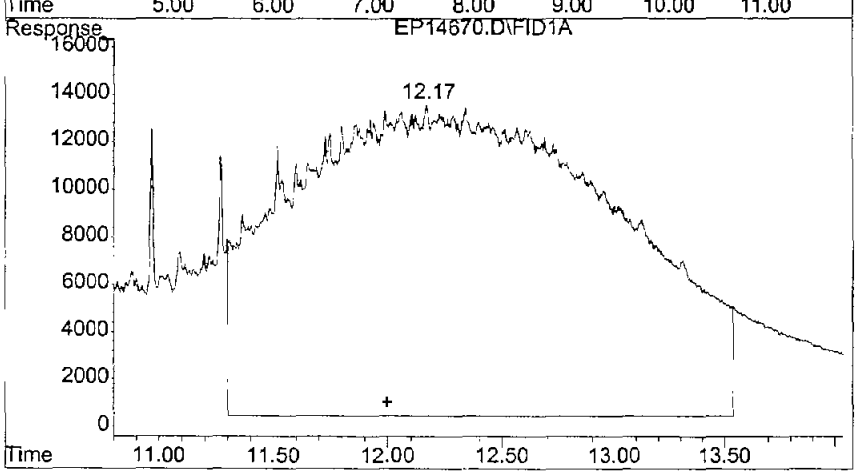
#1 o-terphenyl (S)

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

01081

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 32370 (m)=manual int.
EP14671.D NWDF1116.M Wed Nov 17 07:55:35 2004 Page 1

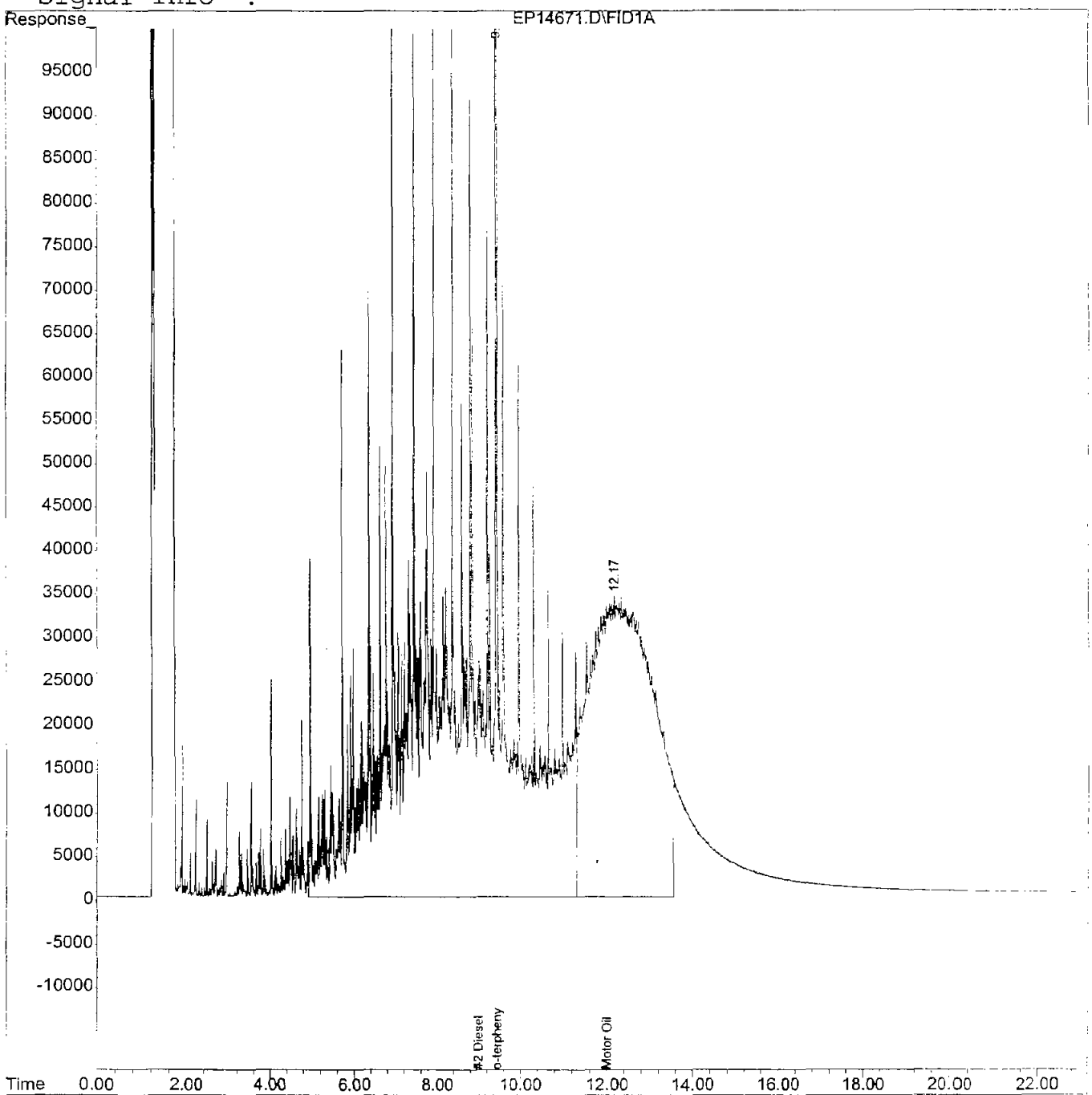
01082

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

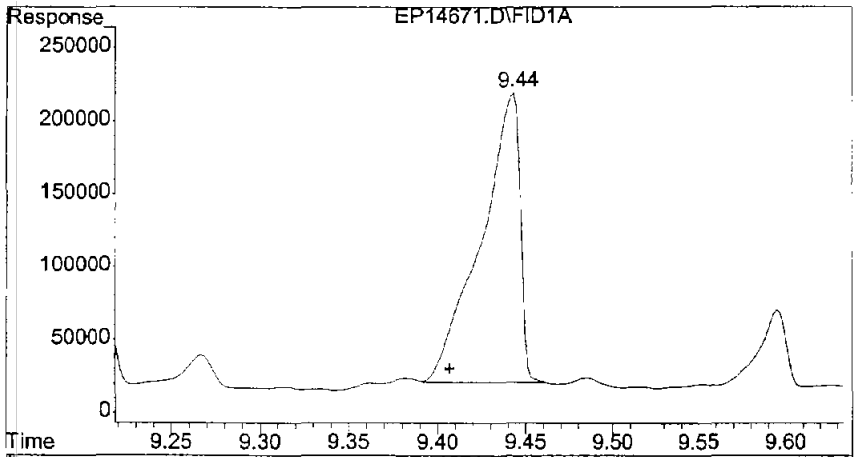
Quant Method : G:\METHODS\NWDF1103.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/03/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



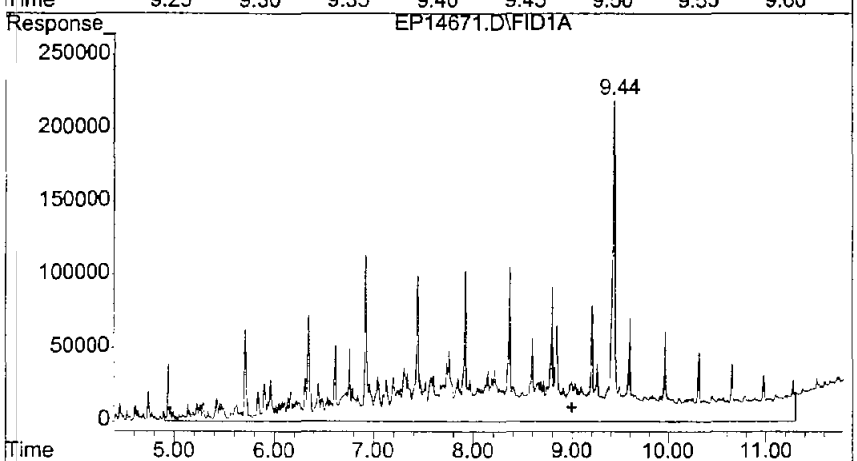
32372

01083



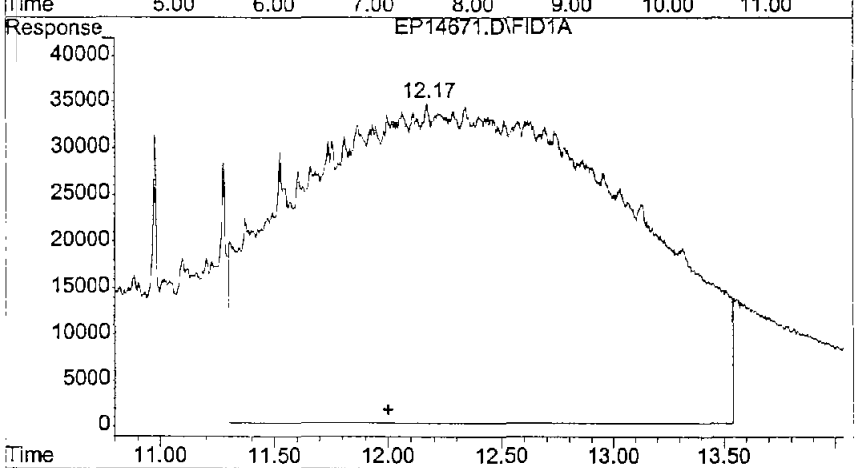
#1 o-terphenyl (S)

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

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

(f)=RT Delta > 1/2 Window 32376 (m)=manual int.
EP14672.D NWDF1116.M Wed Nov 17 07:55:41 2004 Page 1

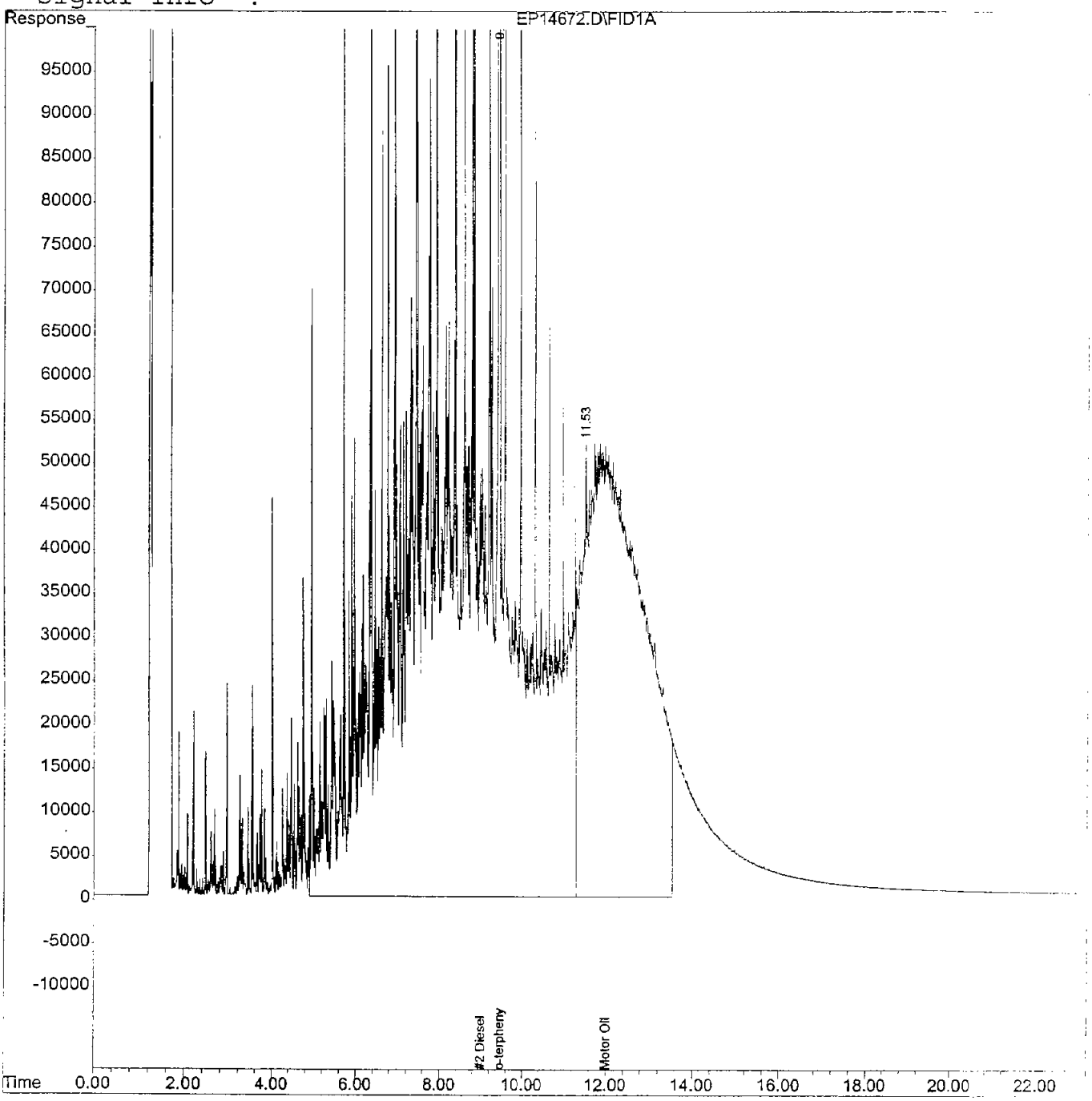
01085

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 :



32378

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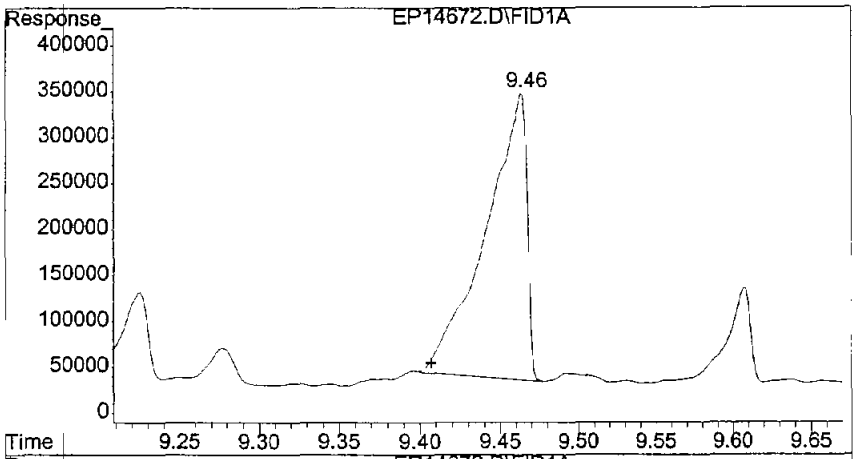
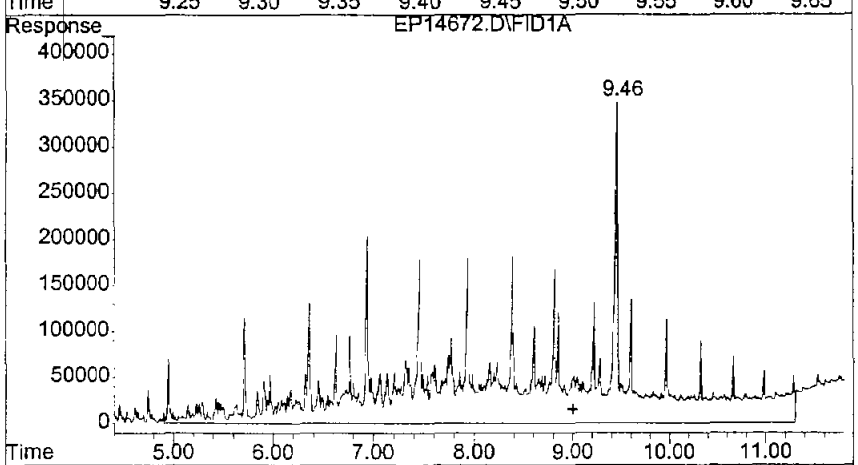


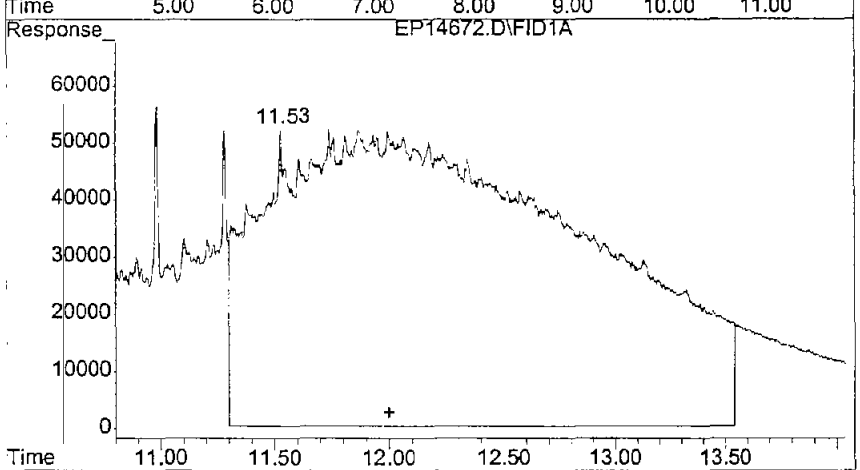
#1 o-terphenyl (S)

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

3238
01087

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 32382 (m)=manual int.

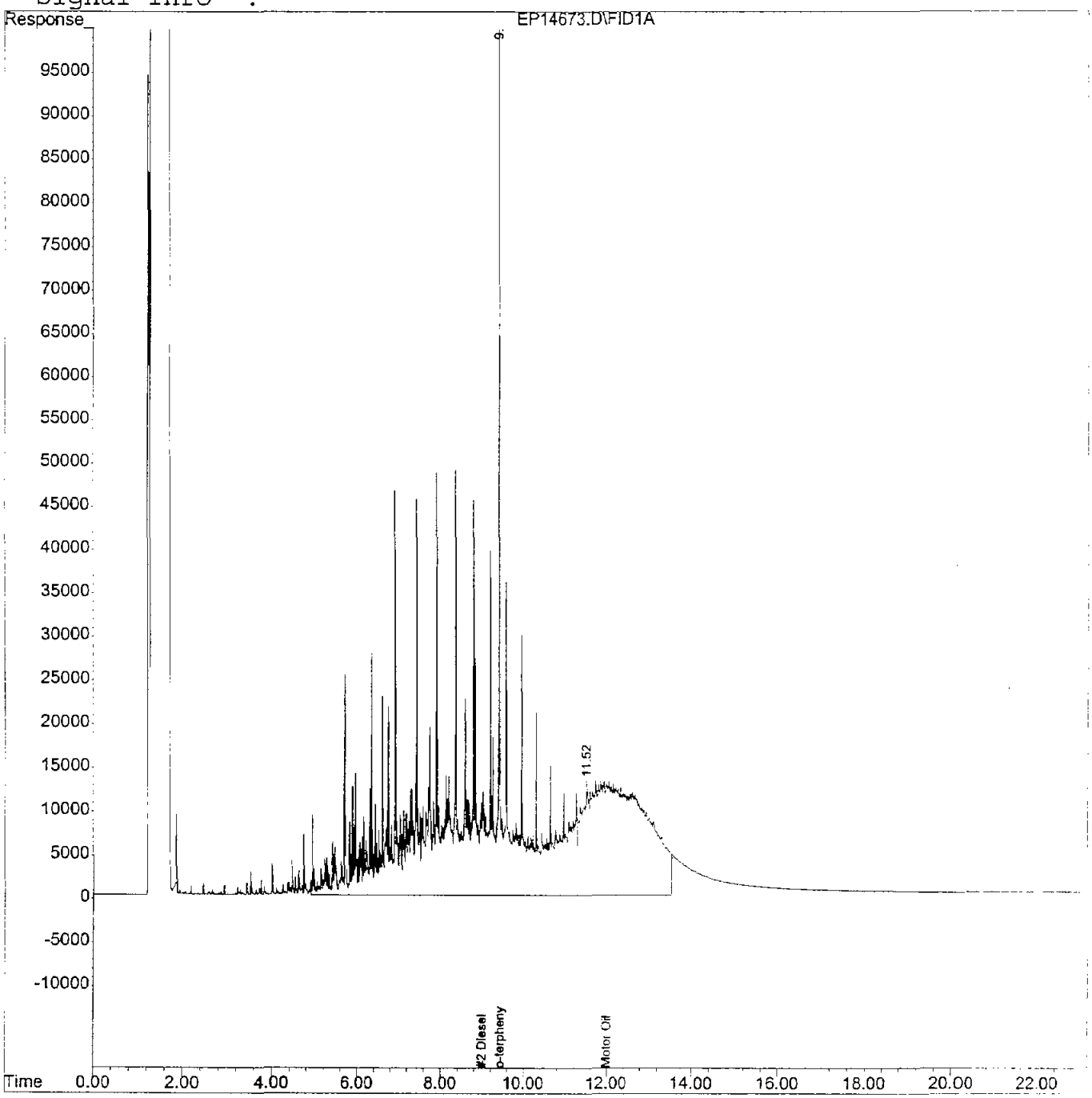
01088

Quantitation Report (Not Reviewed)

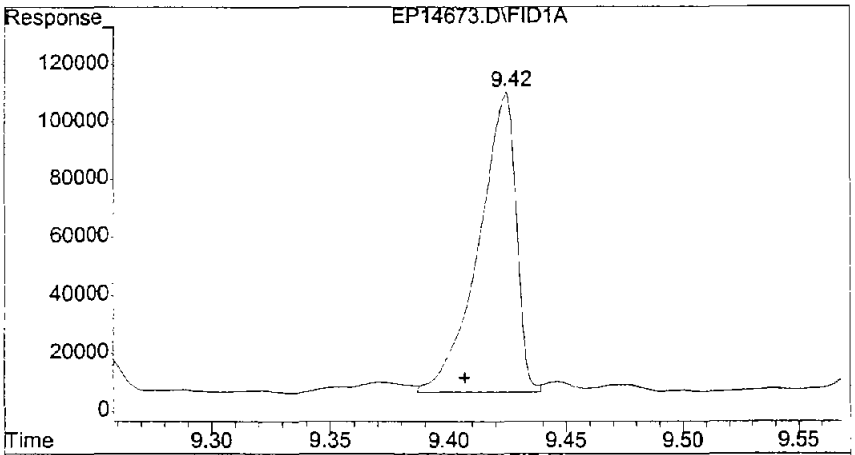
Data File : G:\DATA\111604_A\EP14673.D Vial: 11
Acq On : 16 Nov 2004 17:46 Operator: jda
Sample : 1166-59-2 1000dm icv Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 17 7:41 2004 Quant Results File: NWDF1103.RES

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 : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

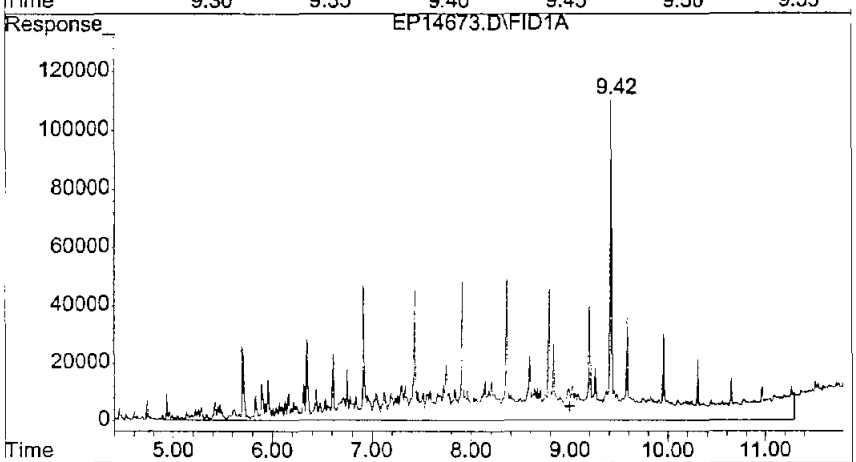


32384
01089



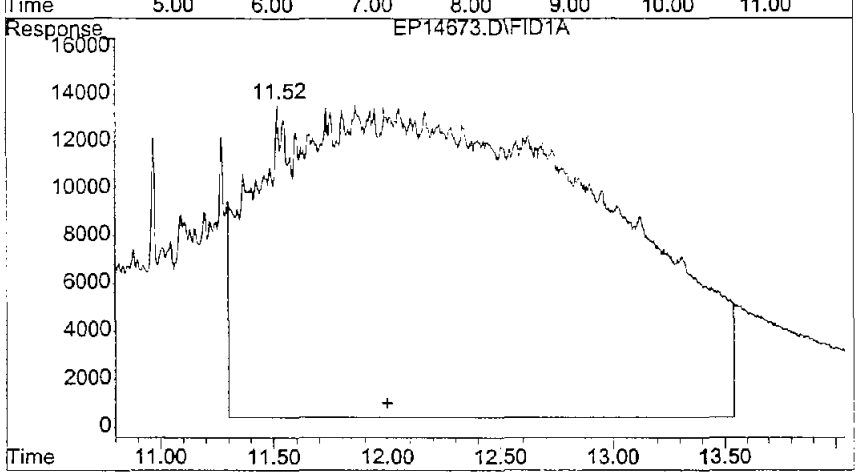
#1 o-terphenyl (S)

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

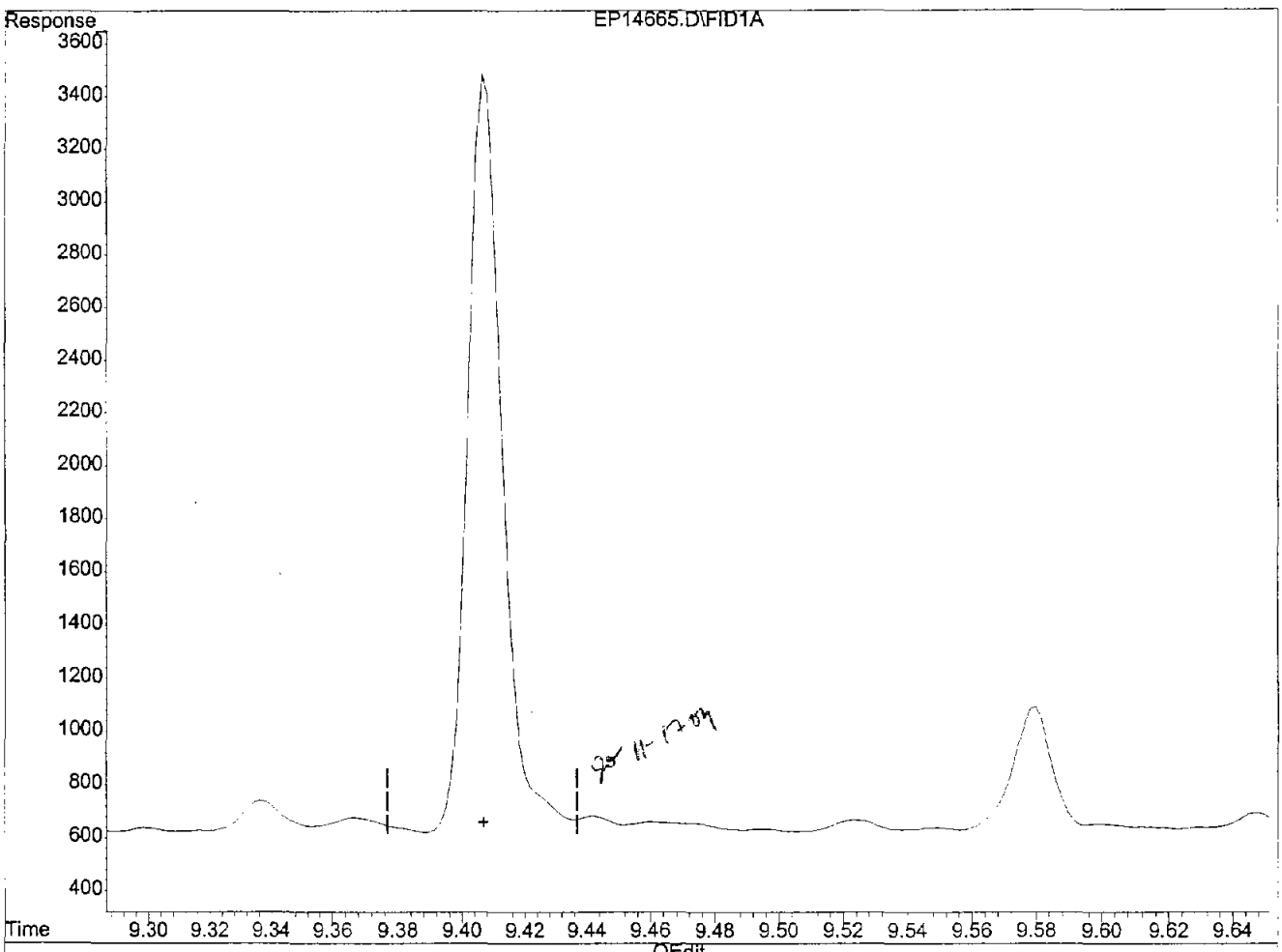
R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 13513647
Conc: 951.62 ng/ul m

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

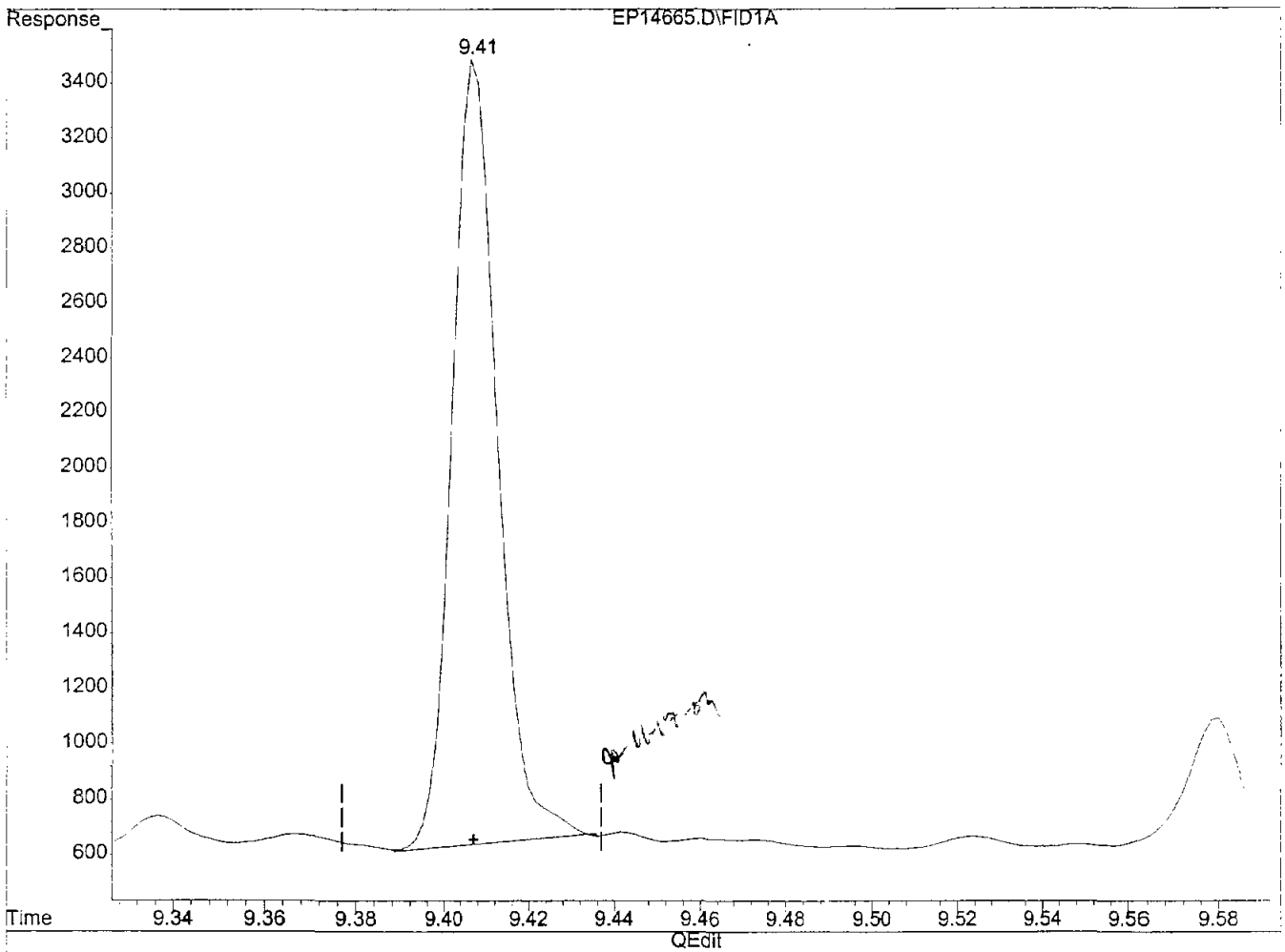
response 0

(+) = Expected Retention Time

EP14665.D NWDF1103.M Wed Nov 17 07:34:34 2004

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

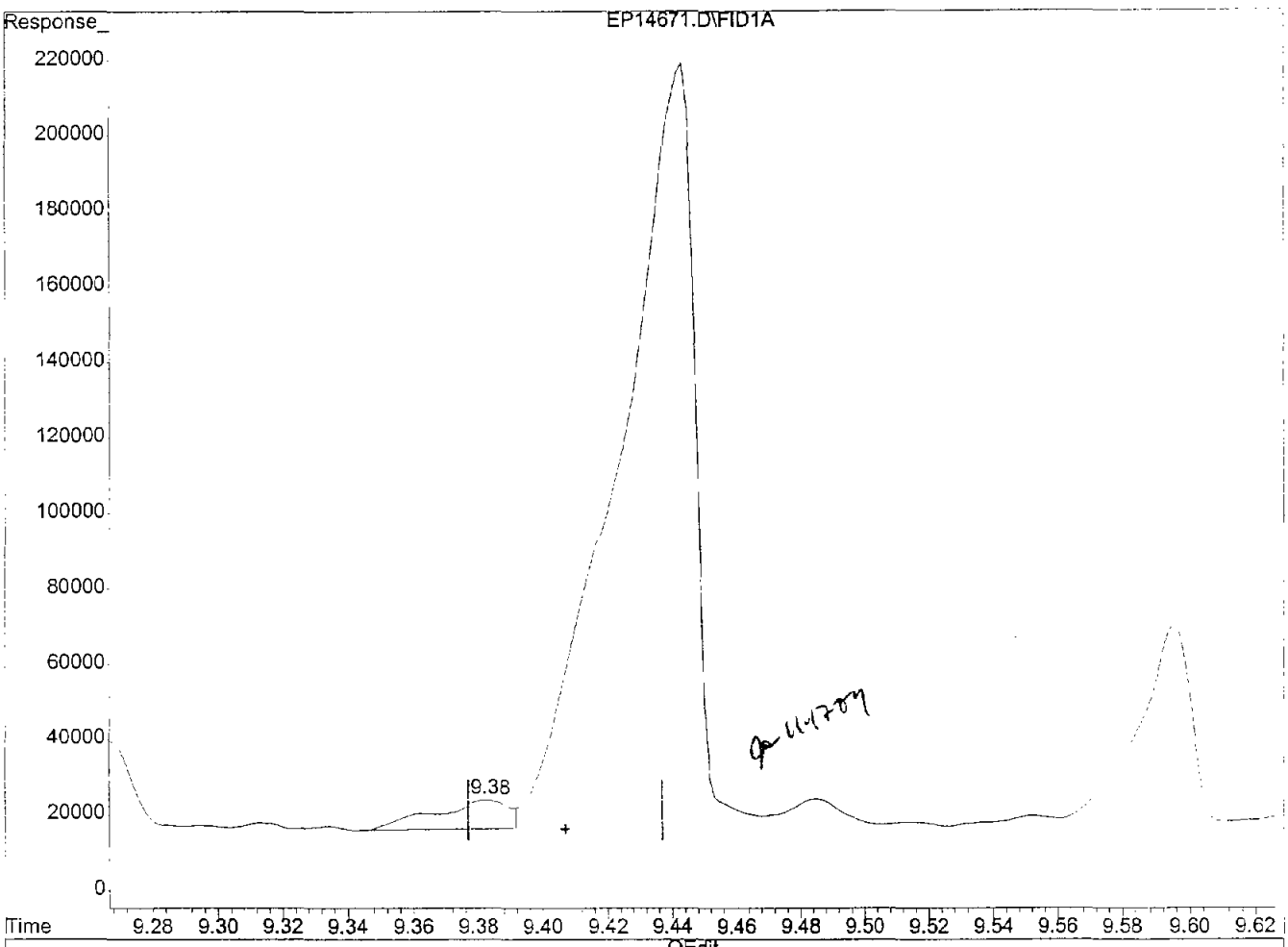
01092

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

EP14671.D NWDF1103.M Wed Nov 17 07:36:14 2004

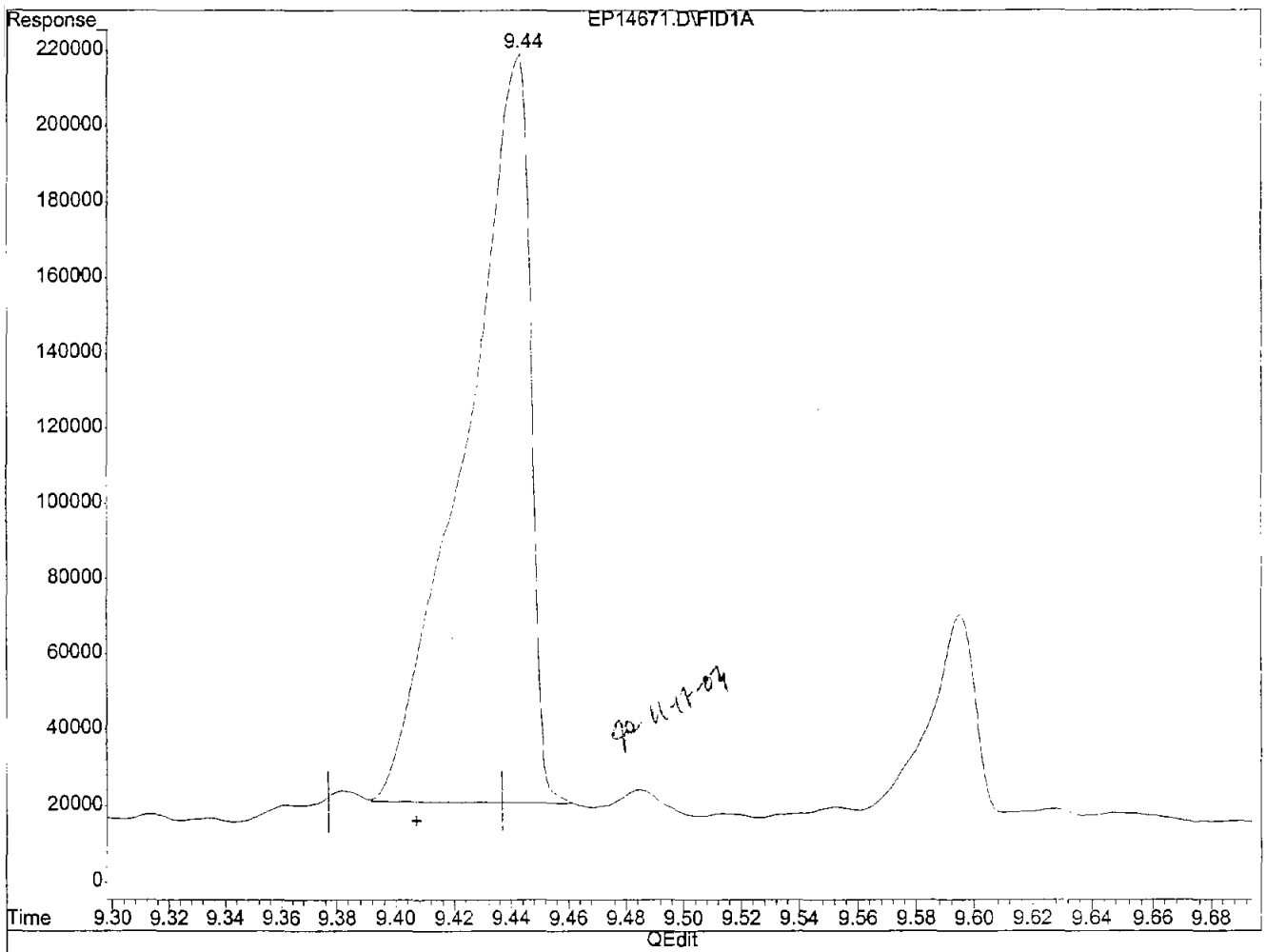
01093

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

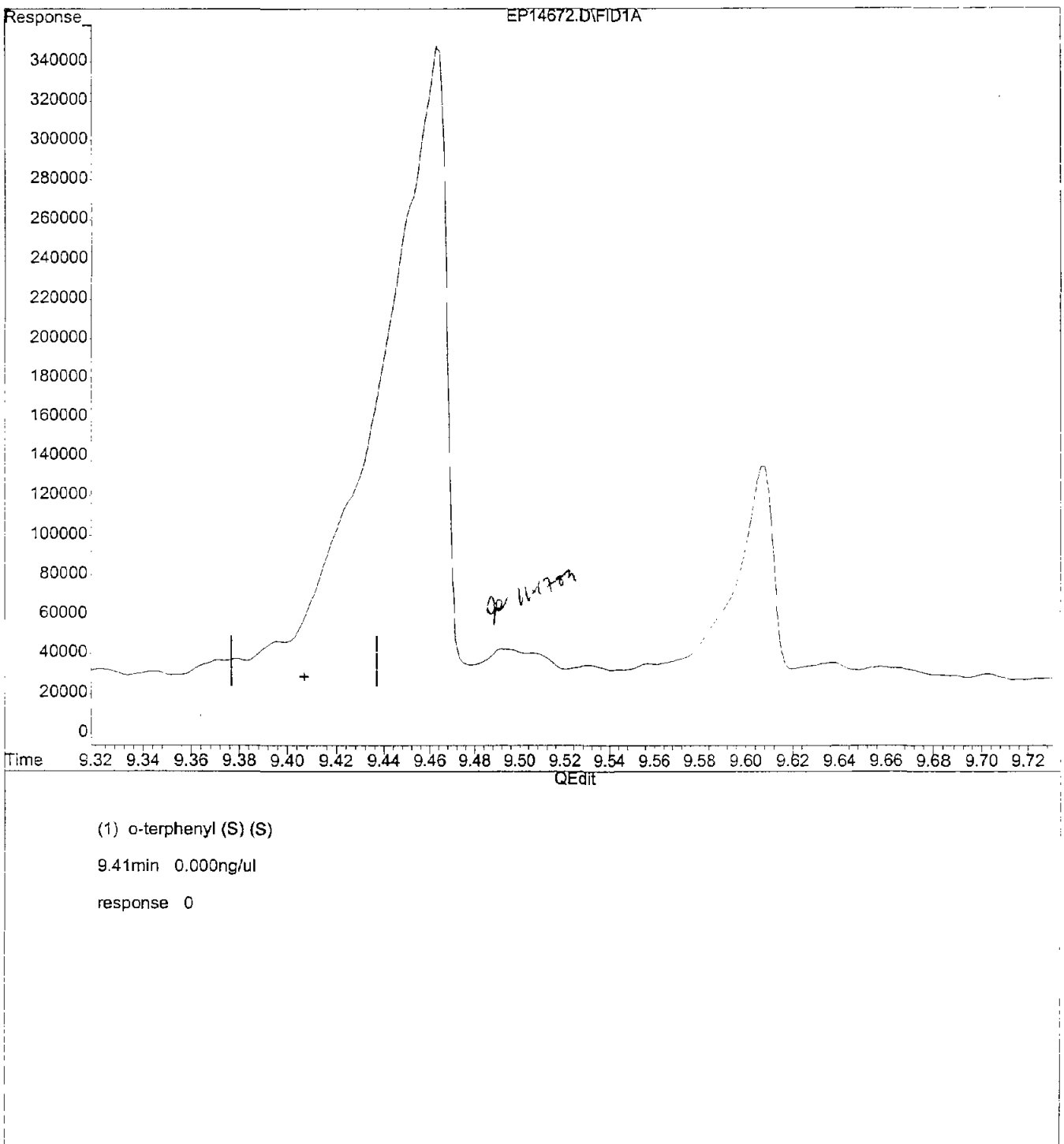
(+) = Expected Retention Time

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



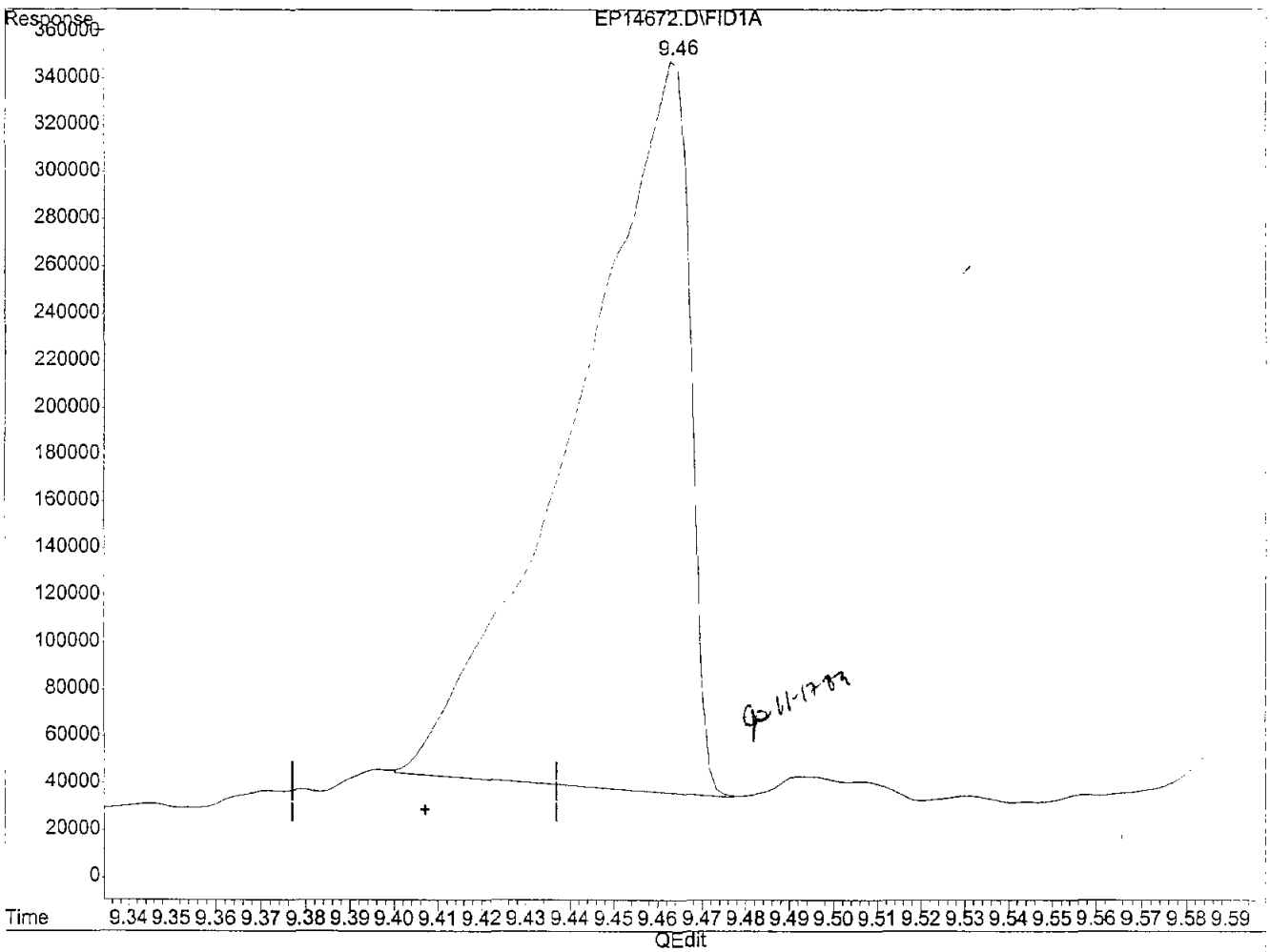
(+) = Expected Retention Time

01095

Quantitation Report (Qedit)

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

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

01096

CONTINUING CALIBRATION

01097

Injection Log

Directory: G:\DATA\111904_A

ne	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
	1	Ep14710.d	1.	rinse		19 Nov 2004 08:53
	1	Ep14711.d	1.	rinse		19 Nov 2004 09:19
	2	Ep14712.d	1.	1166-61-8 n-alkane rt std		19 Nov 2004 09:45
	3	Ep14713.d	1.	1166-63-6 1000dm ccal		19 Nov 2004 10:11
	4	Ep14714.d	1.	ds1344 mb #10 &10 sio2		19 Nov 2004 14:14
	5	Ep14715.d	1.	124913-5 &10 sio2		19 Nov 2004 14:39
	6	Ep14716.d	1.	124913-6 &10 sio2		19 Nov 2004 15:06
	7	Ep14717.d	1.	1166-63-6 1000dm ccal		19 Nov 2004 15:31
	8	Ep14718.d	1.	ds1347 mb #10 &10		19 Nov 2004 16:02
)	9	Ep14719.d	1.	ds1347 bs #10 &10		19 Nov 2004 16:29
1	10	Ep14720.d	1.	ds1347 bsd #10 &10		19 Nov 2004 16:54
2	11	Ep14721.d	1.	124969-4 &10		19 Nov 2004 17:21
3	12	Ep14722.d	1.	124969-5 &10		19 Nov 2004 17:47
4	13	Ep14723.d	1.	124969-6 &10		19 Nov 2004 18:13
5	14	Ep14724.d	1.	124969-6 &10 dup		19 Nov 2004 18:39
6	15	Ep14725.d	1.	124969-7 &10		19 Nov 2004 19:04
7	16	Ep14726.d	1.	124969-8 &10		19 Nov 2004 19:31
8	17	Ep14727.d	1.	124969-10 &10		19 Nov 2004 19:56
9	18	Ep14728.d	1.	124969-11 &10		19 Nov 2004 20:22
0	19	Ep14729.d	1.	124945-3 &10		19 Nov 2004 20:48
1	20	Ep14730.d	1.	124945-3 &10 ms		19 Nov 2004 21:15
2	21	Ep14731.d	1.	124945-3 &10 msd		19 Nov 2004 21:41
3	22	Ep14732.d	1.	1166-63-6 1000dm ccal		19 Nov 2004 22:07

01098

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14712.D Vial: 2
Acq On : 19 Nov 2004 9:45 Operator: jda
Sample : 1166-61-8 n-alkane rt std Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 19 10:37 2004 Quant Results File: NWDF1116.RES

Quant 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
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	3693503	135.221	ng/ul
3) H	Motor Oil	12.00	2730583	169.857	ng/ul

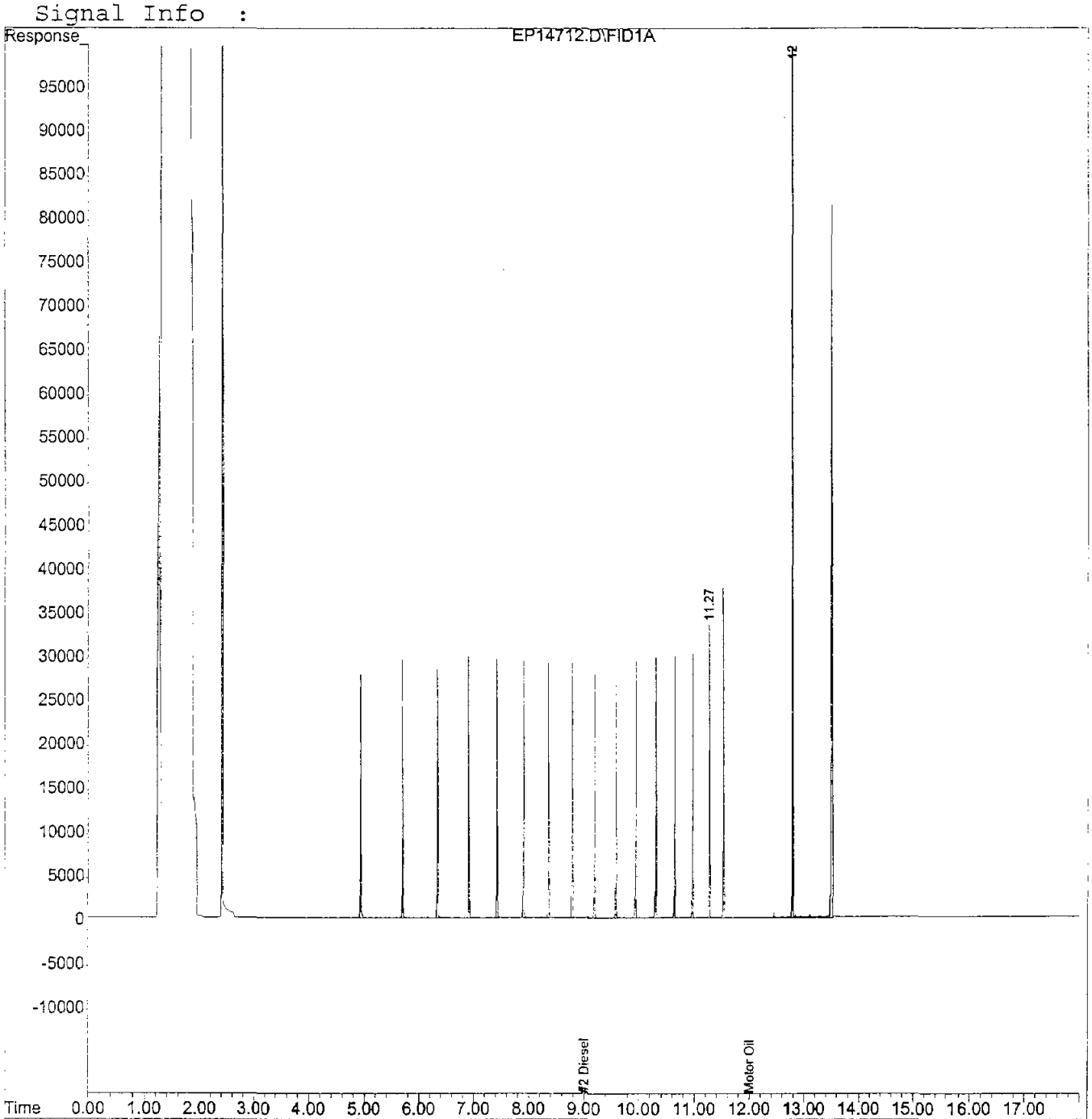
010099

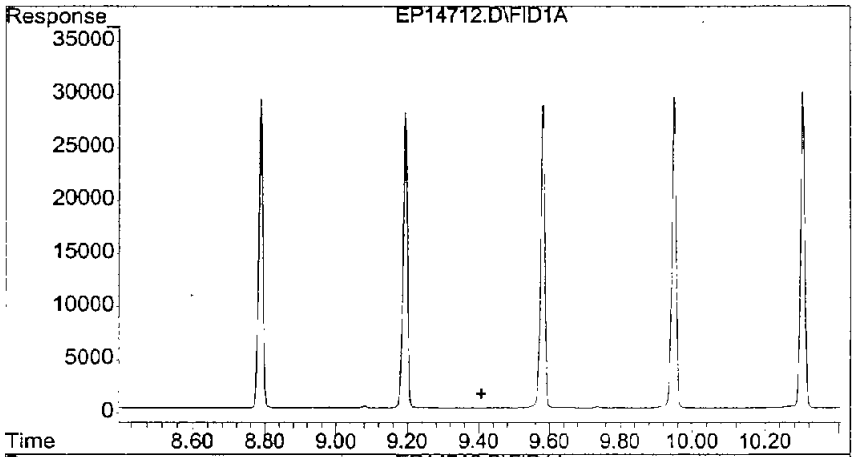
Data File : G:\DATA\111904_A\EP14712.D
Acq On : 19 Nov 2004 9:45
Sample : 1166-61-8 n-alkane rt std
Misc :
IntFile : EVENTS.E
Quant Time: Nov 19 10:37 2004 Quant Results File: NWDF1116.RES

Vial: 2
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 : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

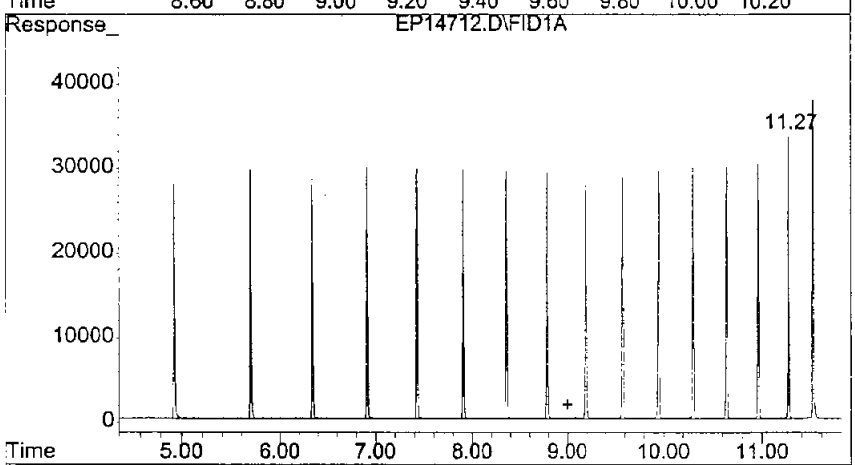
Volume Inj. :
Signal Phase :
Signal Info :





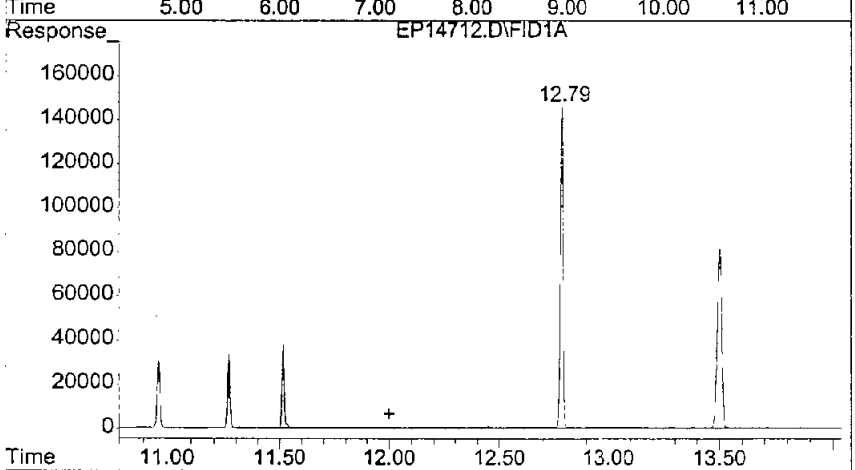
#1 o-terphenyl (S)

R.T.: 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: 3693503
Conc: 135.22 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 2730583
Conc: 169.86 ng/ul m

Evaluate Continuing Calibration Report

Data File : G:\DATA\111904_A\EP14712.D Vial: 2
Acq On : 19 Nov 2004 9:45 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 : Wed Nov 17 07:41:09 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	135.221	86.5#	14	0.00
3	H	Motor Oil	1000.400	169.857	83.0#	21	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EP14712.D NWDF1116.M Mon Nov 22 07:47:37 2004 Page 1

01102

Evaluate Continuing Calibration Report - Not Found

Data File : G:\DATA\111904_A\EP14712.D Vial: 2
Acq On : 19 Nov 2004 9:45 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 : Wed Nov 17 07:41:09 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
EP14712.D NWDF1116.M Mon Nov 22 07:47:37 2004 Page 2

01103

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14713.D Vial: 3
Acq On : 19 Nov 2004 10:11 Operator: jda
Sample : 1166-63-6 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 19 10:38 2004 Quant Results File: NWDF1116.RES

Quant 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
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	1176332	40.489	ng/ul
		Target Compounds				
2)	H	#2 Diesel	9.00	26816585	1000.186	ng/ul
3)	H	Motor Oil	12.00	14839162	1047.720	ng/ul

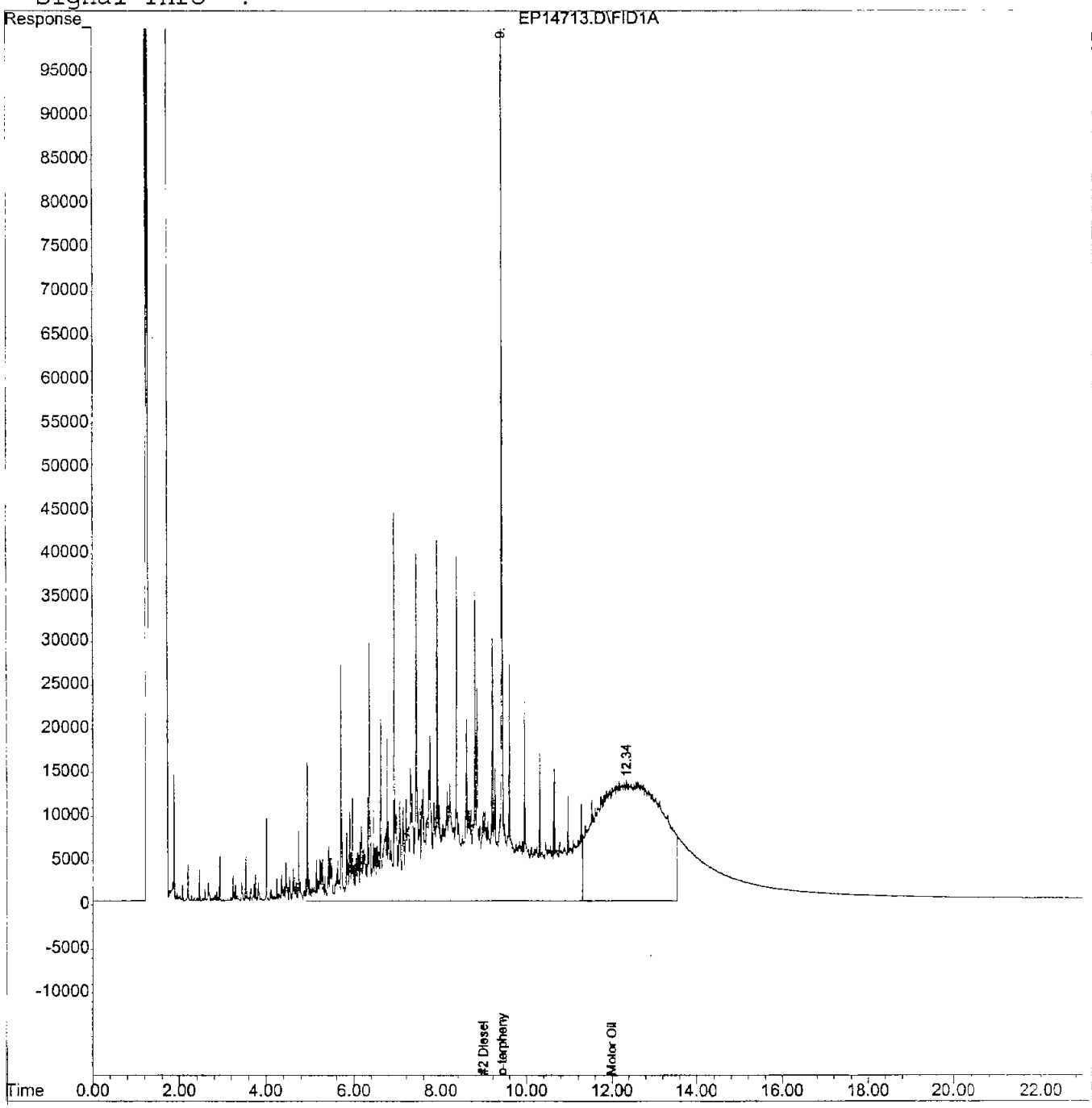
Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14713.D
Acq On : 19 Nov 2004 10:11
Sample : 1166-63-6 1000dm ccal
Misc :
IntFile : EVENTS.E
Quant Time: Nov 19 10:38 2004 Quant Results File: NWDF1116.RES

Vial: 3
Operator: jda
Inst : SEA016
Multiplr: 1.00

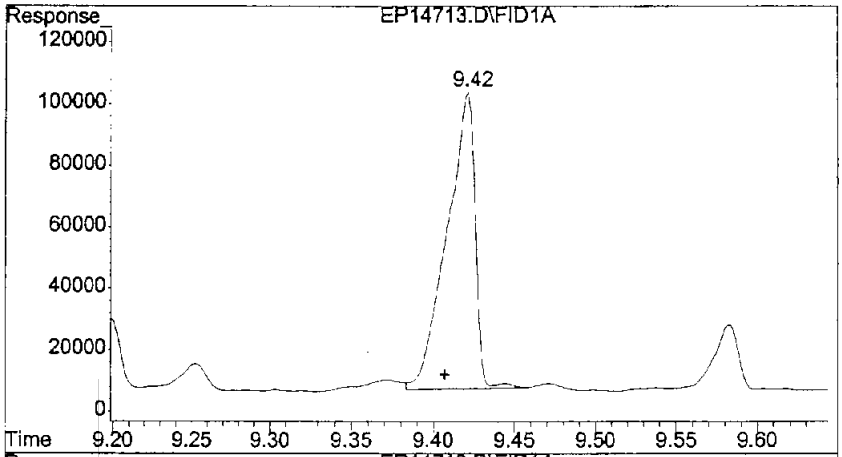
Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :



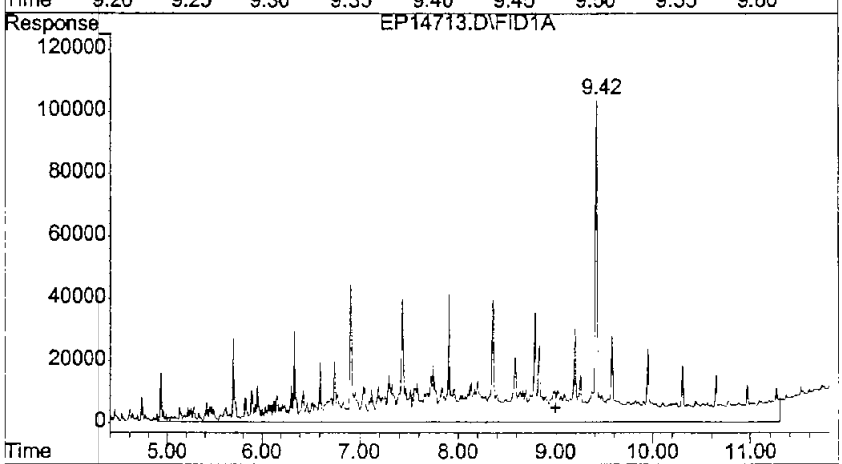
32416

01105



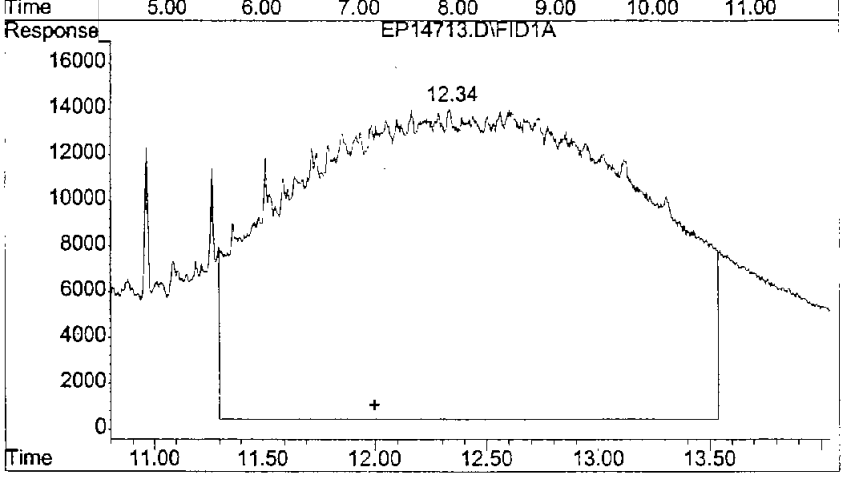
#1 o-terphenyl (S)

R.T.: 9.421 min
Delta R.T.: 0.014 min
Response: 1176332
Conc: 40.49 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 26816585
Conc: 1000.19 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 14839162
Conc: 1047.72 ng/ul m

01106

Evaluate Continuing Calibration Report

Data File : G:\DATA\111904_A\EP14713.D Vial: 3
Acq On : 19 Nov 2004 10:11 Operator: jda
Sample : 1166-63-6 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 : Wed Nov 17 07:41:09 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	40.489	-1.2	99	0.01
2	H	#2 Diesel	1000.400	1000.186	0.0	102	0.00
3	H	Motor Oil	1000.400	1047.720	-4.7	113	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EP14713.D NWDF1116.M Mon Nov 22 07:44 2004 Page 1

01107

Data File : G:\DATA\111904_A\EP14713.D Vial: 3
Acq On : 19 Nov 2004 10:11 Operator: jda
Sample : 1166-63-6 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 : Wed Nov 17 07:41:09 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\111904_A\EP14717.D Vial: 7
Acq On : 19 Nov 2004 15:31 Operator: jda
Sample : 1166-63-6 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:30 2004 Quant Results File: NWDF1116.RES

Quant 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
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

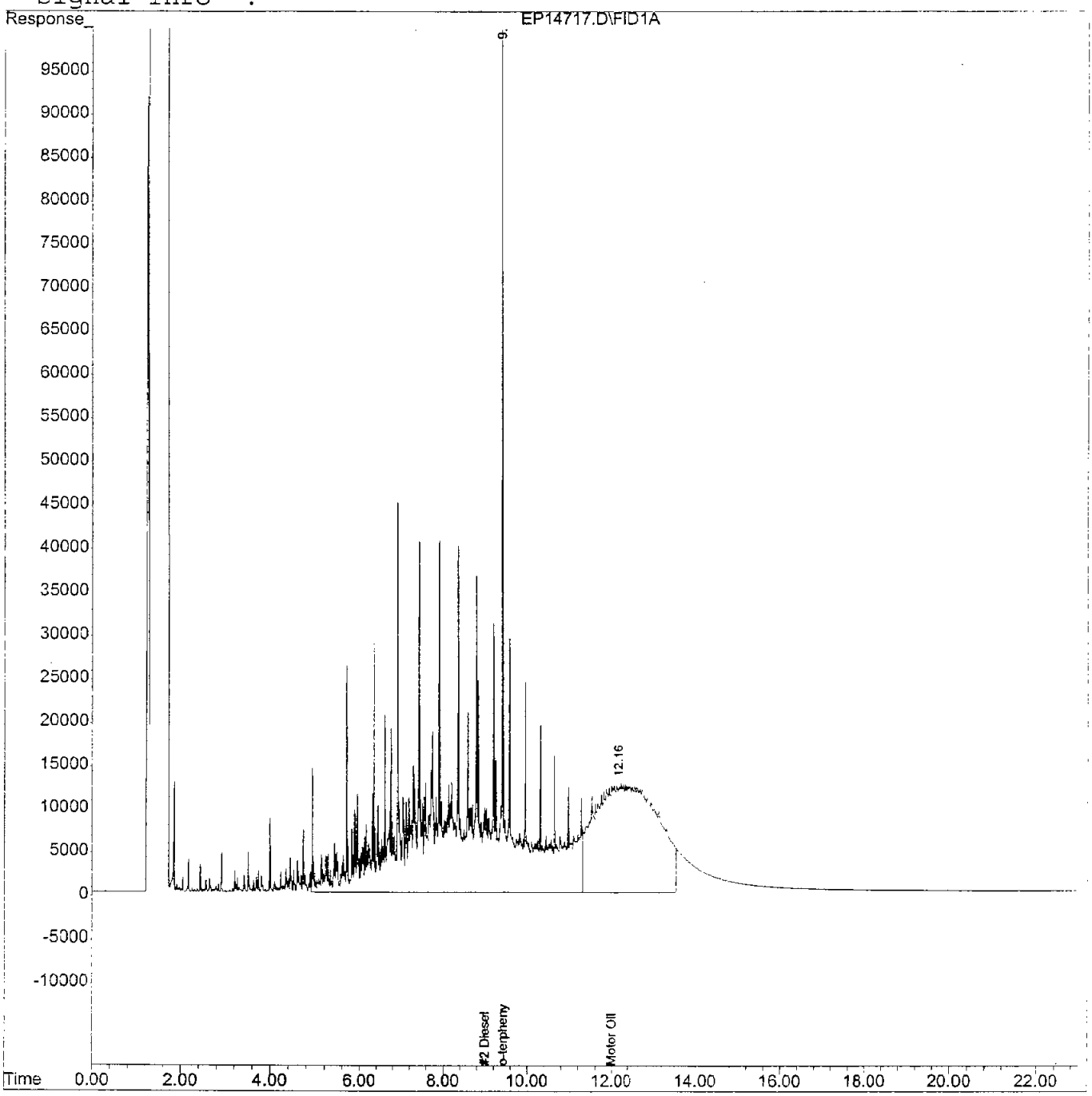
		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	o-terphenyl (S)	9.42f	1083770	37.303	ng/ul
		Target Compounds				
2)	H	#2 Diesel	9.00	25598159	954.608	ng/ul
3)	H	Motor Oil	12.00	13379165	941.871	ng/ul

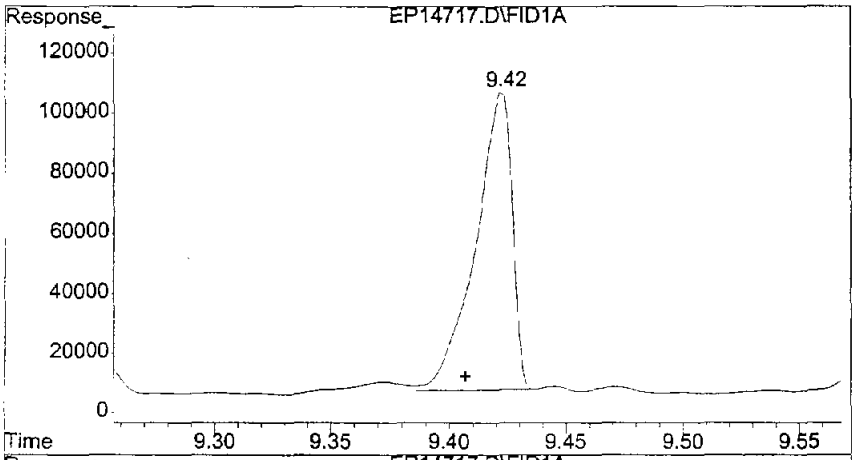
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : G:\DATA\111904_A\EP14717.D Vial: 7
Acq On : 19 Nov 2004 15:31 Operator: jda
Sample : 1166-63-6 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:30 2004 Quant Results File: NWDF1116.RES

Quant 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 : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

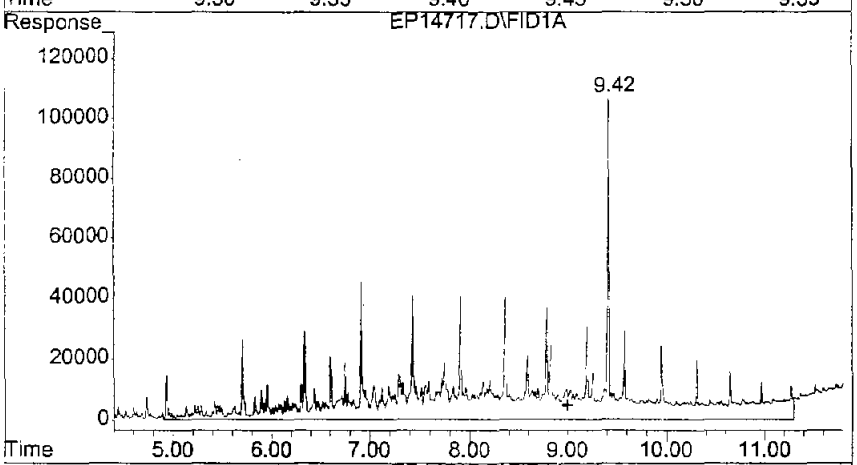
Volume Inj. :
Signal Phase :
Signal Info :





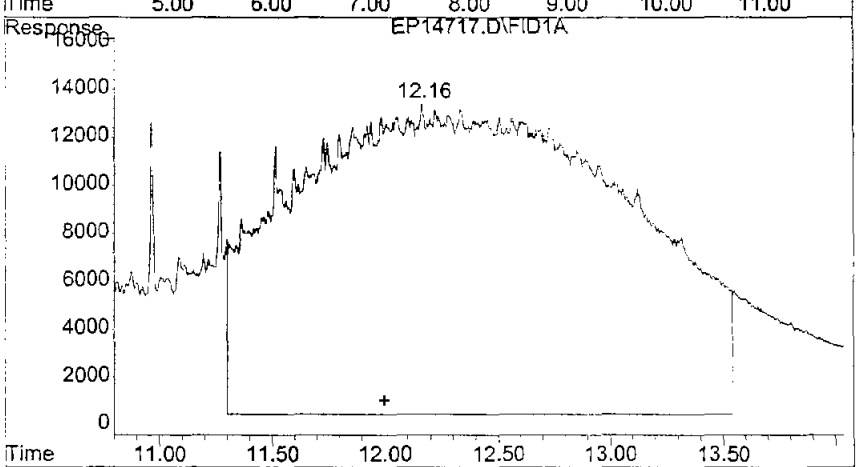
#1 o-terphenyl (S)

R.T.: 9.422 min
Delta R.T.: 0.015 min
Response: 1083770
Conc: 37.30 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 25598159
Conc: 954.61 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 13379165
Conc: 941.87 ng/ul m

Evaluate Continuing Calibration Report

Data File : G:\DATA\111904_A\EP14717.D Vial: 7
Acq On : 19 Nov 2004 15:31 Operator: jda
Sample : 1166-63-6 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 : Wed Nov 17 07:41:09 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	37.303	6.7	91	0.02
2	H	#2 Diesel	1000.400	954.608	4.6	97	0.00
3	H	Motor Oil	1000.400	941.871	5.9	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report Not Found

Data File : G:\DATA\111904_A\EP14717.D Vial: 7
Acq On : 19 Nov 2004 15:31 Operator: jda
Sample : 1166-63-6 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 : Wed Nov 17 07:41:09 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
EP14717.D NWDF1116.M Mon Nov 22 07:47:52 2004 Page 2

01113

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14732.D Vial: 22
Acq On : 19 Nov 2004 22:07 Operator: jda
Sample : 1166-63-6 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:30 2004 Quant Results File: NWDF1116.RES

Quant 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
DataAcq Meth : EXTFACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

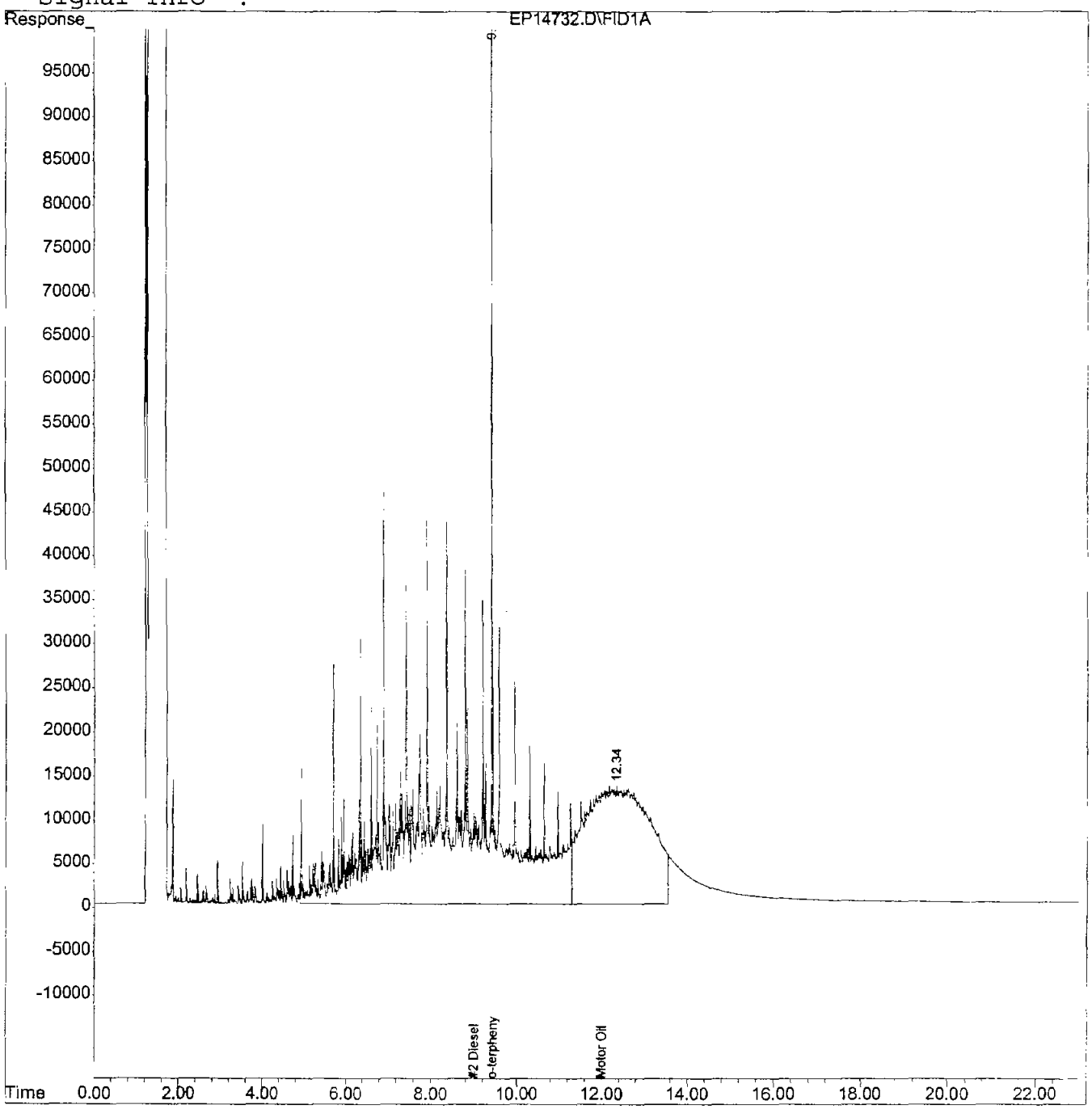
	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S o-terphenyl (S)	9.42f	1141493	39.290	ng/ul
	Target Compounds				
2)	H #2 Diesel	9.00	26653059	994.069	ng/ul
3)	H Motor Oil	12.00	14228894	1003.476	ng/ul

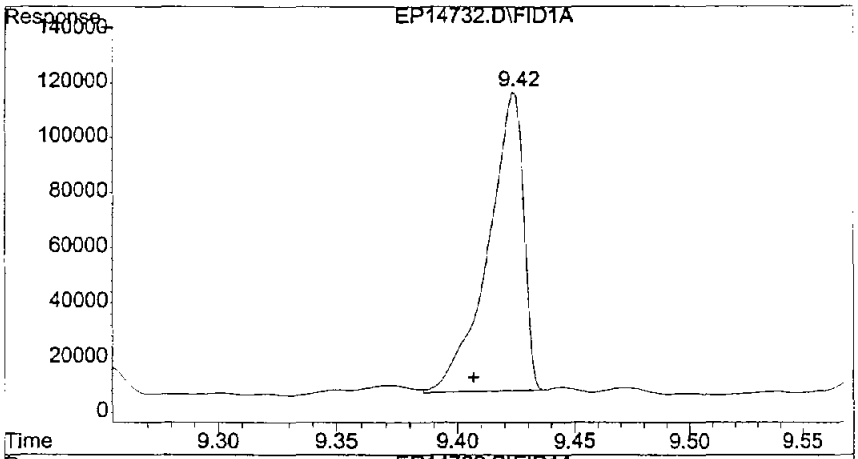
(f)=RT Delta > 1/2 Window (m)=manual int.

Data File : G:\DATA\111904_A\EP14732.D Vial: 22
Acq On : 19 Nov 2004 22:07 Operator: jda
Sample : 1166-63-6 1000dm ccal Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:30 2004 Quant Results File: NWDF1116.RES

Quant 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 : Multiple Level Calibration
DataAcq Meth : EXTFACQ.M

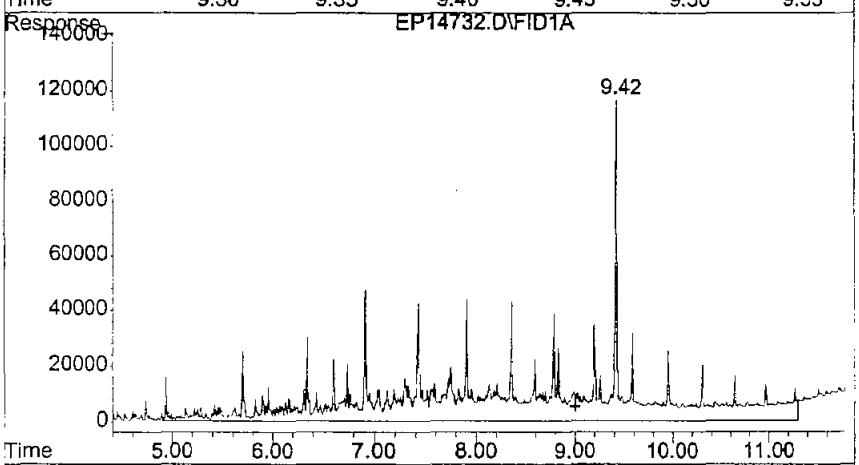
Volume Inj. :
Signal Phase :
Signal Info :





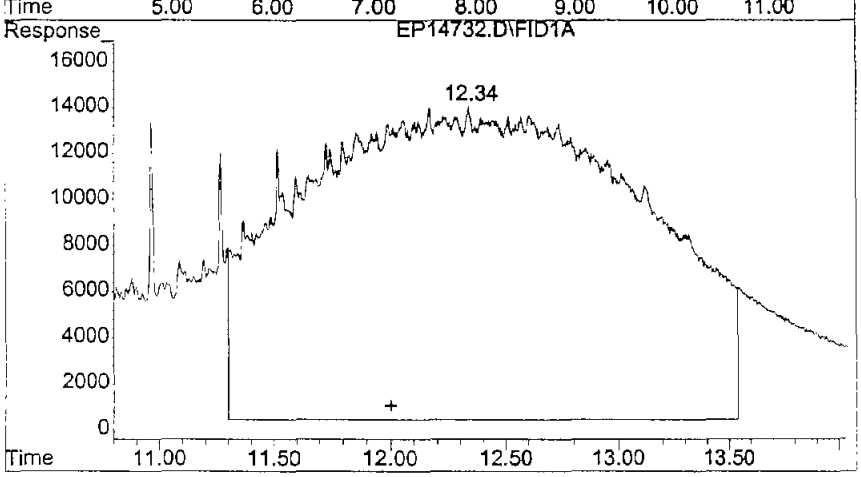
#1 o-terphenyl (S)

R.T.: 9.424 min
Delta R.T.: 0.017 min
Response: 1141493
Conc: 39.29 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 26653059
Conc: 994.07 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 14228894
Conc: 1003.48 ng/ul m

Evaluate Continuing Calibration Report

Data File : G:\DATA\111904_A\EP14732.D Vial: 22
Acq On : 19 Nov 2004 22:07 Operator: jda
Sample : 1166-63-6 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 : Wed Nov 17 07:41:09 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	39.290	1.8	96	0.02
2	H	#2 Diesel	1000.400	994.069	0.6	101	0.00
3	H	Motor Oil	1000.400	1003.476	-0.3	108	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
EP14732.D NWDF1116.M Mon Nov 22 07:47:59 2004 Page 1

01117

Manual Continuing Calibration Report - Not Found

Data File : G:\DATA\111904_A\EP14732.D Vial: 22
Acq On : 19 Nov 2004 22:07 Operator: jda
Sample : 1166-63-6 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 : Wed Nov 17 07:41:09 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

01119

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14718.D Vial: 8
Acq On : 19 Nov 2004 16:02 Operator: jda
Sample : ds1347 mb #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:31 2004 Quant Results File: NWDF1116.RES

Quant 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
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

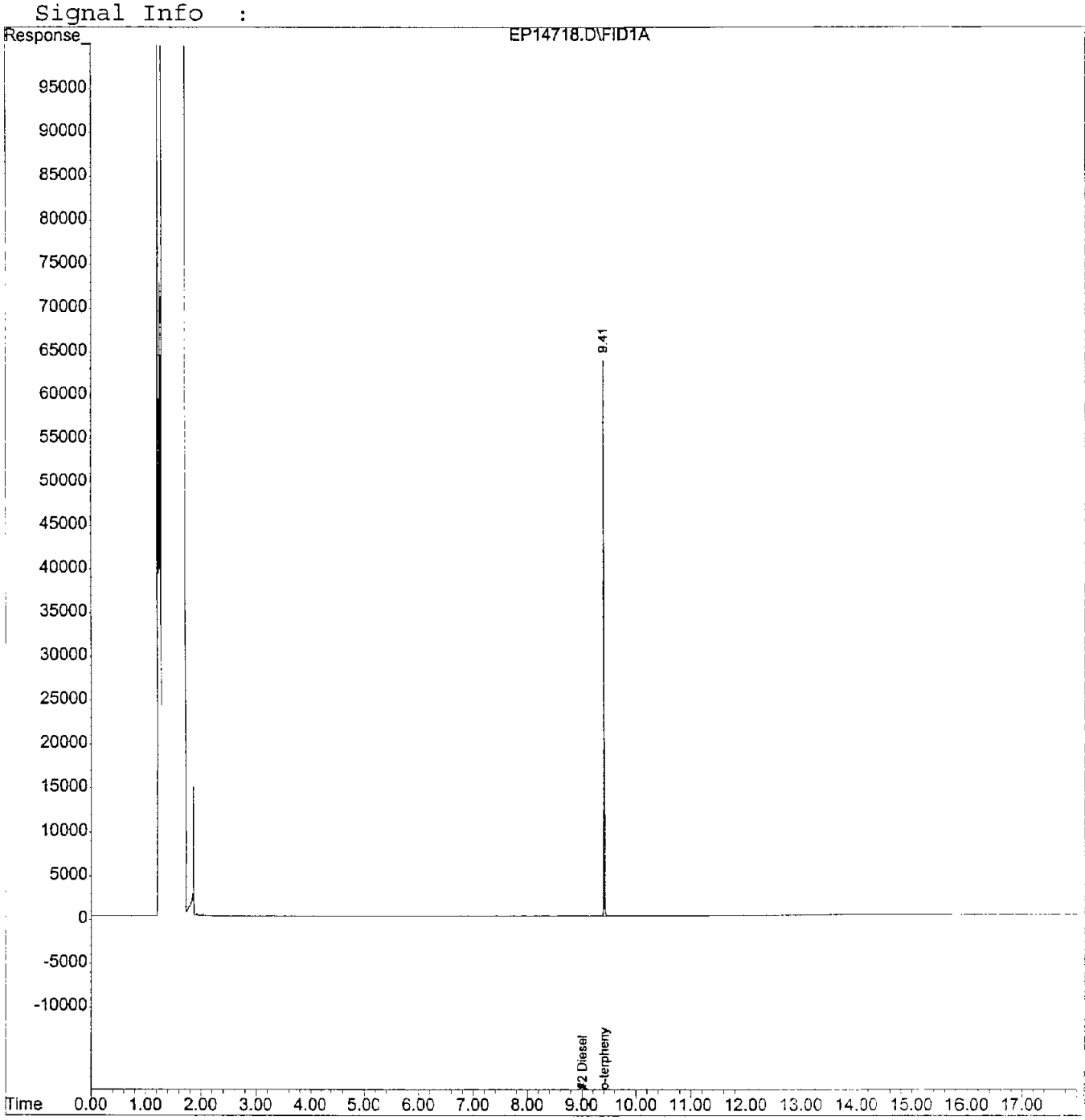
	Compound	R.T.	Response	Conc	Units
	System Monitoring Compounds				
1)	S o-terphenyl (S)	9.41	556534	19.156	ng/ul
	Target Compounds				
2)	H #2 Diesel	9.00	96871	0.681	ng/ul

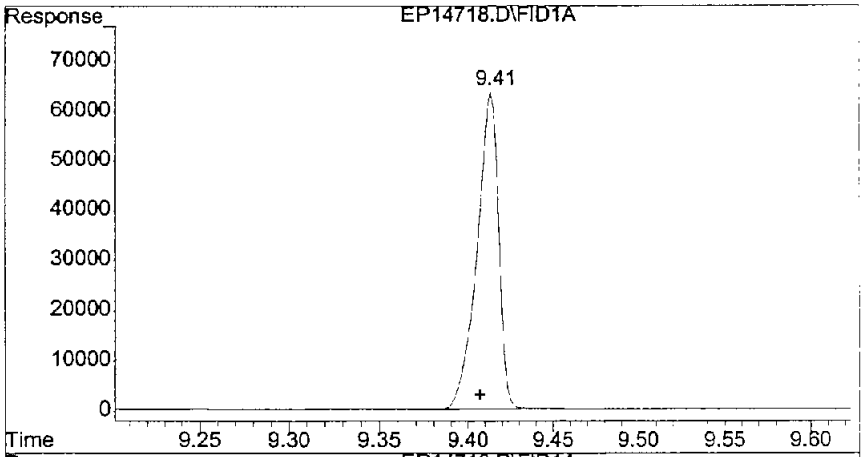
Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14718.D Vial: 8
Acq On : 19 Nov 2004 16:02 Operator: jda
Sample : ds1347 mb #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:31 2004 Quant Results File: NWDF1116.RES

Quant 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 : Multiple Level Calibration
DataAcq Meth : FACQ.M

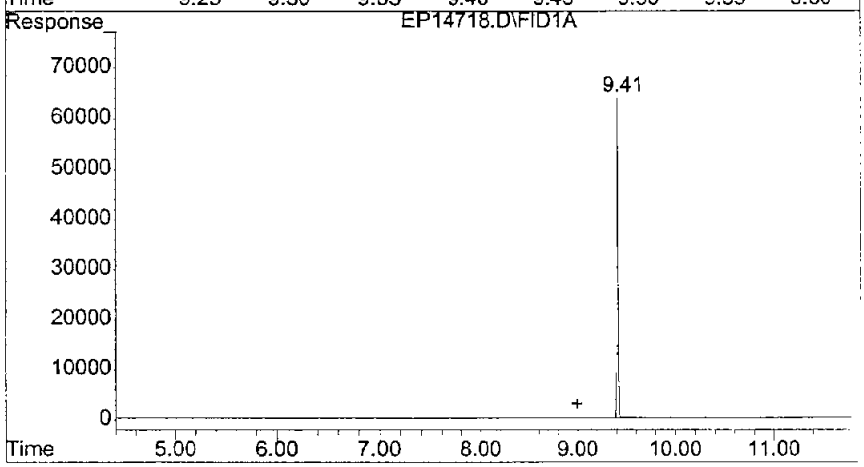
Volume Inj. :
Signal Phase :
Signal Info :





#1 o-terphenyl (S)

R.T.:	9.414 min
Delta R.T.:	0.007 min
Response:	556534
Conc:	19.16 ng/ul



#2 #2 Diesel

R.T.:	9.000 min
Delta R.T.:	0.000 min
Response:	96871
Conc:	0.68 ng/ul m

BLANK SPIKE

01123

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14719.D Vial: 9
Acq On : 19 Nov 2004 16:29 Operator: jda
Sample : ds1347 bs #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:31 2004 Quant Results File: NWDF1116.RES

Quant 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
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

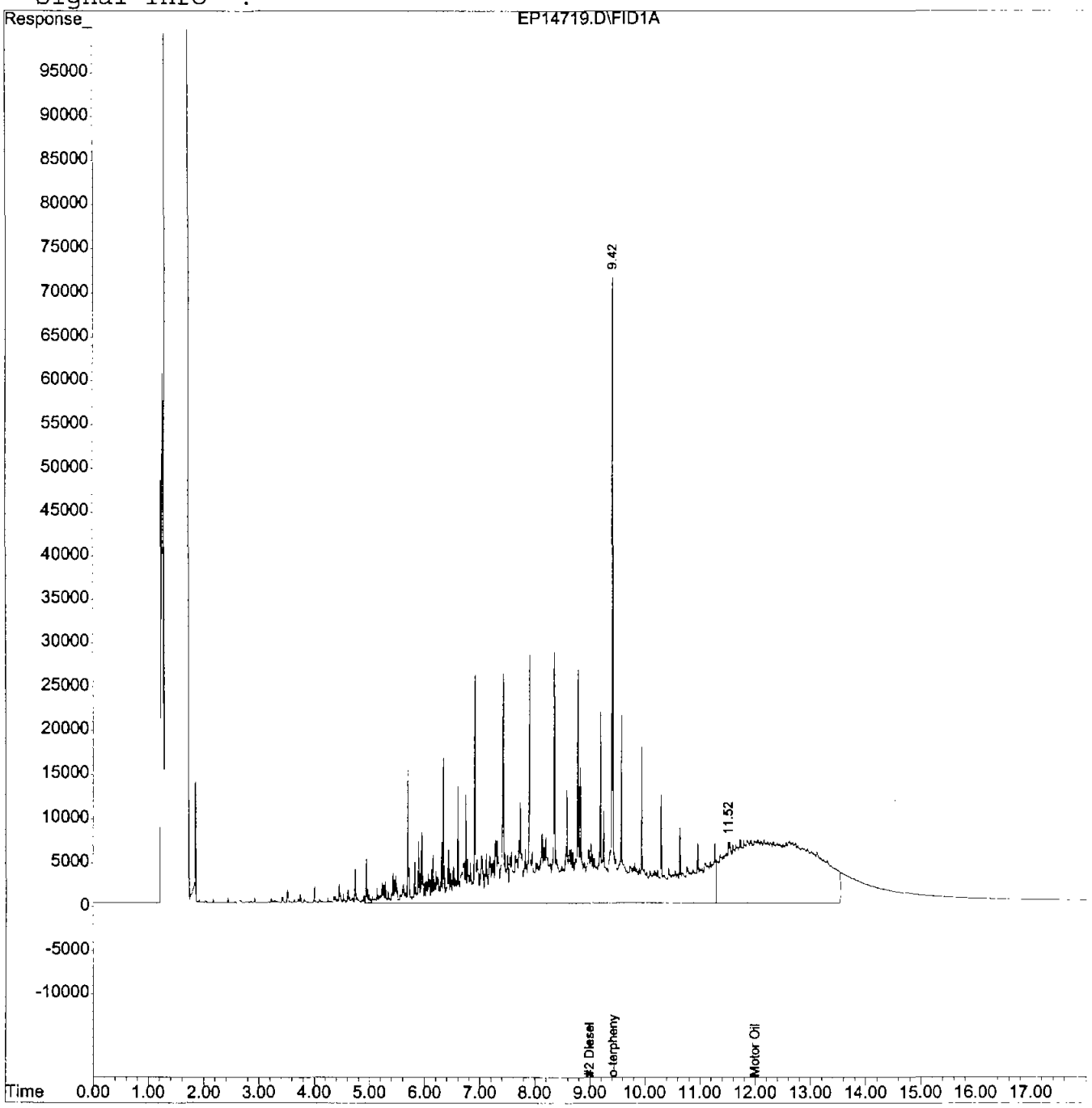
		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	o-terphenyl (S)	9.42	660749	22.743	ng/ul
		Target Compounds				
2)	H	#2 Diesel	9.00	15418956	573.835	ng/ul
3)	H	Motor Oil	12.00	8058270	556.110	ng/ul

Quantitation Report (Not Reviewed)

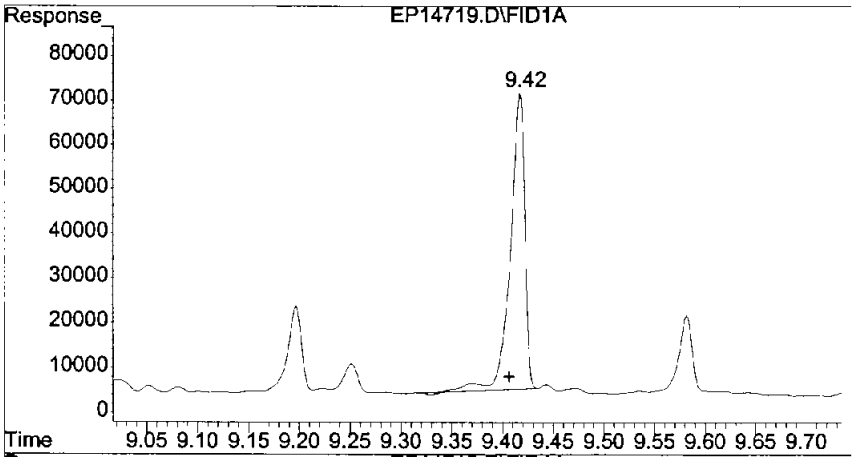
Data File : G:\DATA\111904_A\EP14719.D Vial: 9
Acq On : 19 Nov 2004 16:29 Operator: jda
Sample : ds1347 bs #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:31 2004 Quant Results File: NWDF1116.RES

Quant 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 : Multiple Level Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

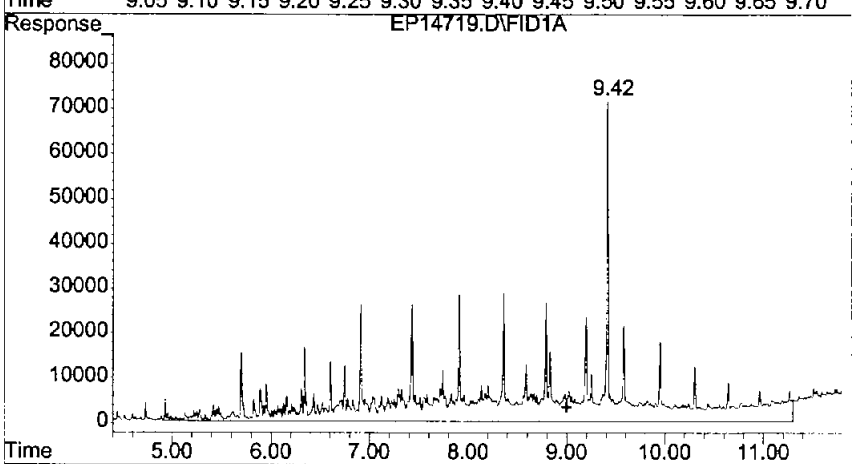


01125



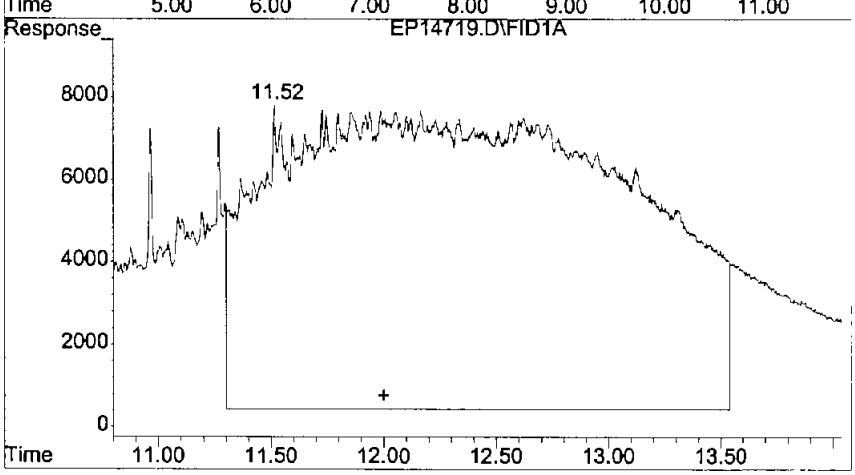
#1 o-terphenyl (S)

R.T.: 9.417 min
Delta R.T.: 0.010 min
Response: 660749
Conc: 22.74 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 15418956
Conc: 573.83 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 8058270
Conc: 556.11 ng/ul m

01126

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14720.D Vial: 10
Acq On : 19 Nov 2004 16:54 Operator: jda
Sample : ds1347 bsd #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:31 2004 Quant Results File: NWDF1116.RES

Quant 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
DataAcq Meth : FACQ.M

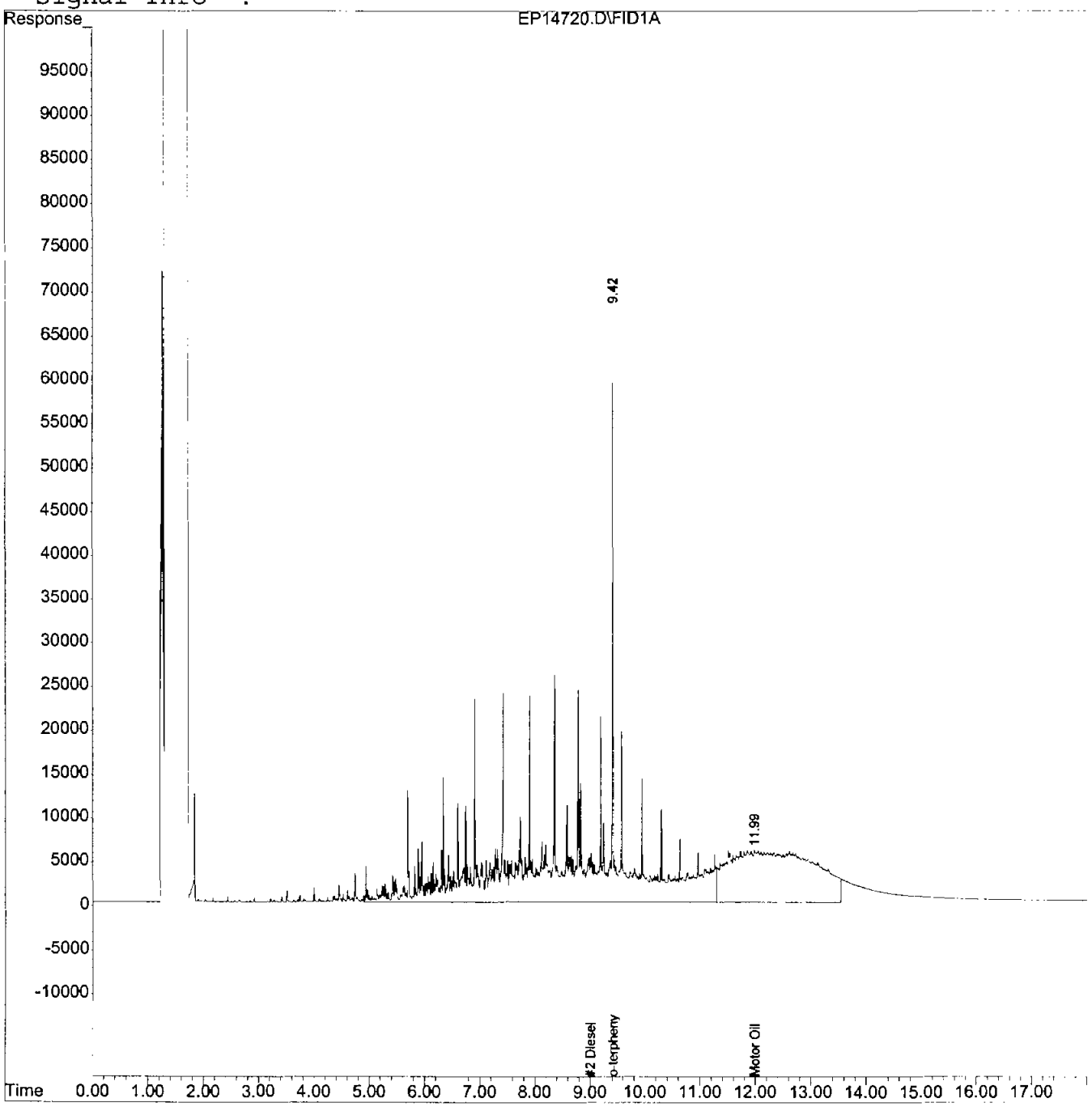
Volume Inj. :
Signal Phase :
Signal Info :

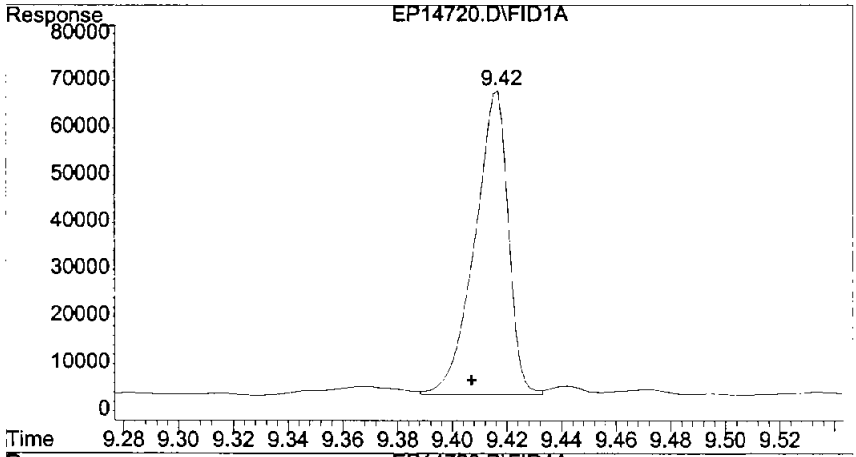
		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	o-terphenyl (S)	9.42	547547	18.846	ng/ul
		Target Compounds				
2)	H	#2 Diesel	9.00	12708284	472.437	ng/ul
3)	H	Motor Oil	12.00	6478950	441.611	ng/ul

Data File : G:\DATA\111904_A\EP14720.D Vial: 10
Acq On : 19 Nov 2004 16:54 Operator: jda
Sample : ds1347 bsd #10 &10 Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:31 2004 Quant Results File: NWDF1116.RES

Quant 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 : Multiple Level Calibration
DataAcq Meth : FACQ.M

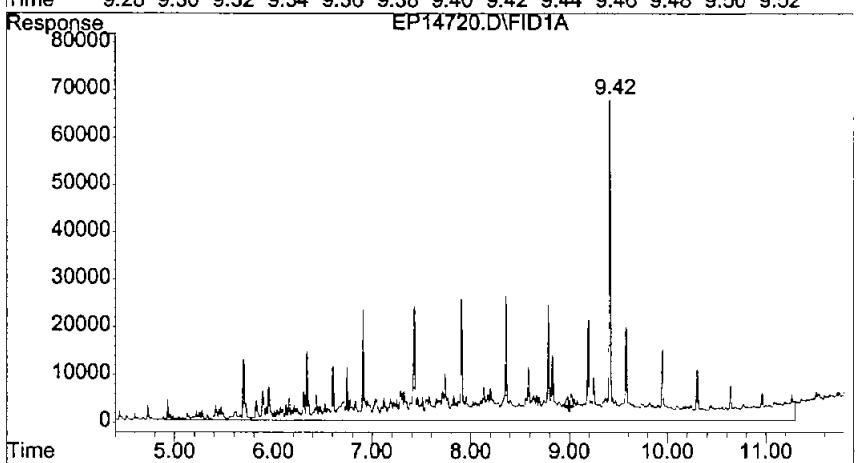
Volume Inj. :
Signal Phase :
Signal Info :





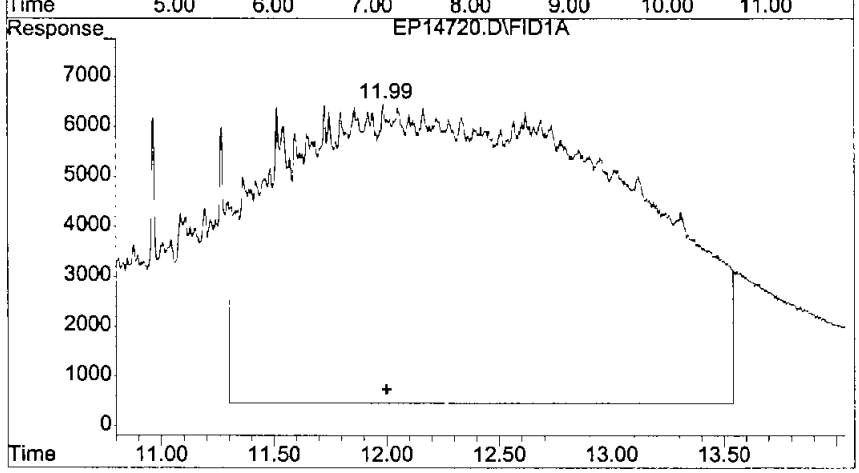
#1 o-terphenyl (S)

R.T.: 9.416 min
Delta R.T.: 0.009 min
Response: 547547
Conc: 18.85 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 12708284
Conc: 472.44 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 6478950
Conc: 441.61 ng/ul m

01129

MATIX SPIKE / MATRIX SPIKE DUPLICATE

01130

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14730.D Vial: 20
Acq On : 19 Nov 2004 21:15 Operator: jda
Sample : 124945-3 &10 ms Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 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 : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

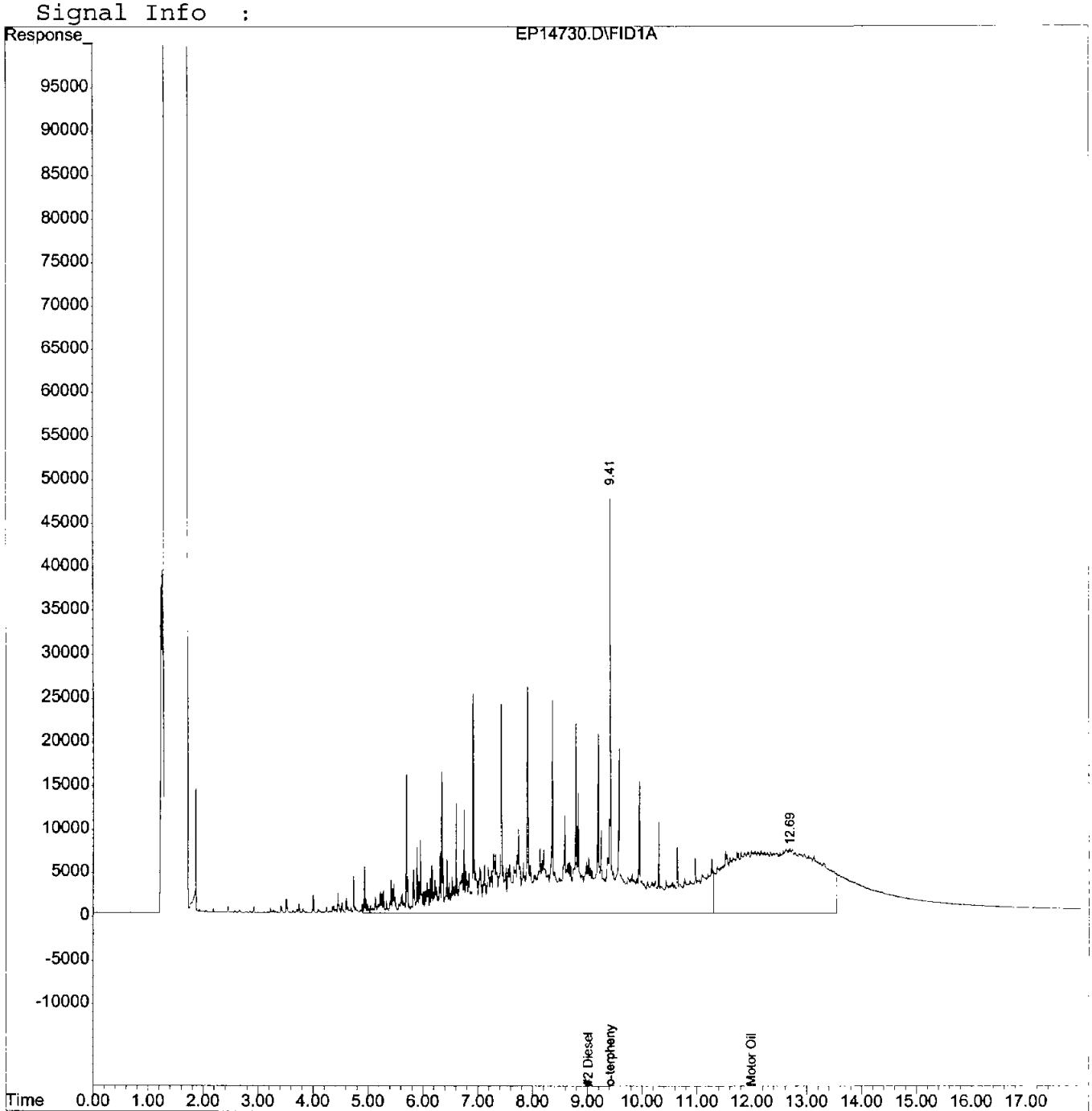
Volume Inj. :
Signal Phase :
Signal Info :

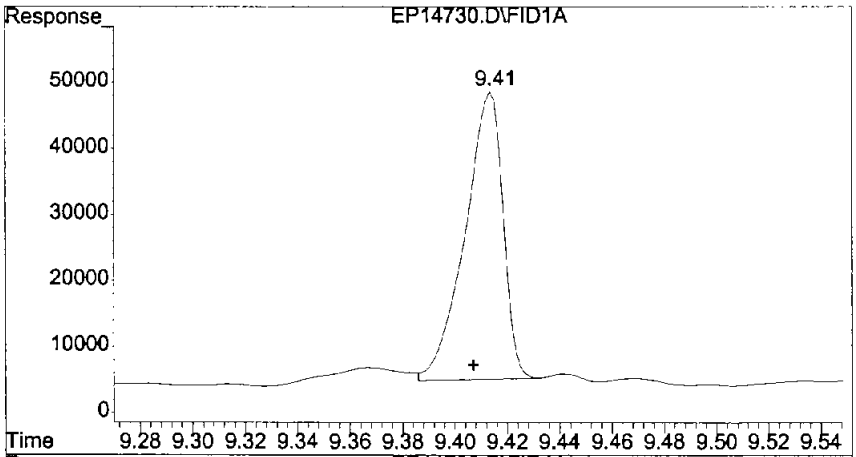
		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	o-terphenyl (S)	9.41	438180	15.082	ng/ul
		Target Compounds				
2)	H	#2 Diesel	9.00	15127366	562.927	ng/ul
3)	H	Motor Oil	12.00	8402899	581.095	ng/ul

Data File : G:\DATA\111904_A\EP14730.D Vial: 20
Acq On : 19 Nov 2004 21:15 Operator: jda
Sample : 124945-3 &10 ms Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 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 : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

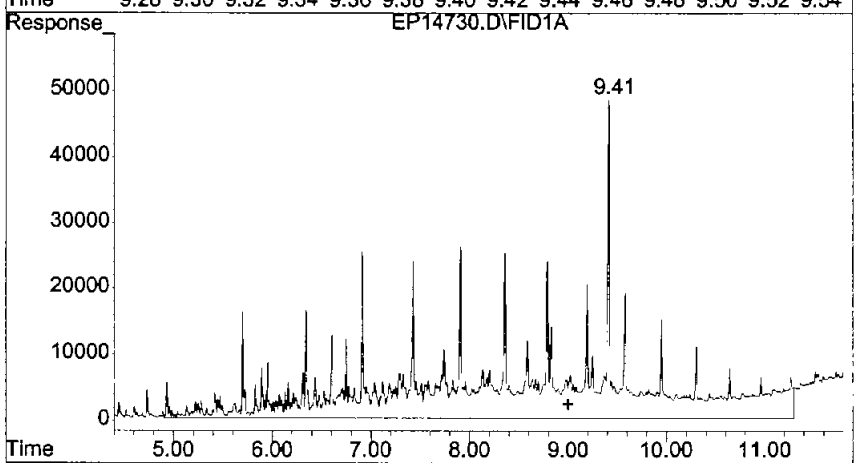
Volume Inj. :
Signal Phase :
Signal Info :





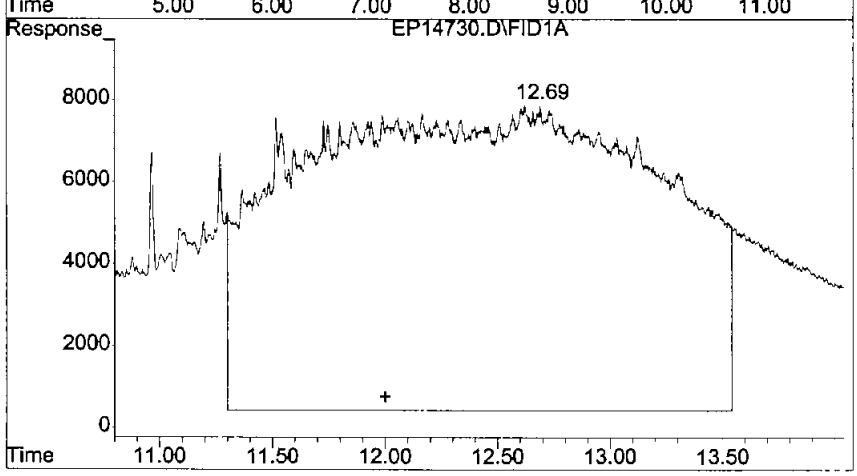
#1 o-terphenyl (S)

R.T.: 9.414 min
Delta R.T.: 0.007 min
Response: 438180
Conc: 15.08 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 15127366
Conc: 562.93 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 8402899
Conc: 581.10 ng/ul m

01133

Quantitation Report (Not Reviewed)

Data File : G:\DATA\111904_A\EP14731.D Vial: 21
Acq On : 19 Nov 2004 21:41 Operator: jda
Sample : 124945-3 &10 msd Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 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 : Wed Nov 17 07:41:09 2004
Response via : Initial Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

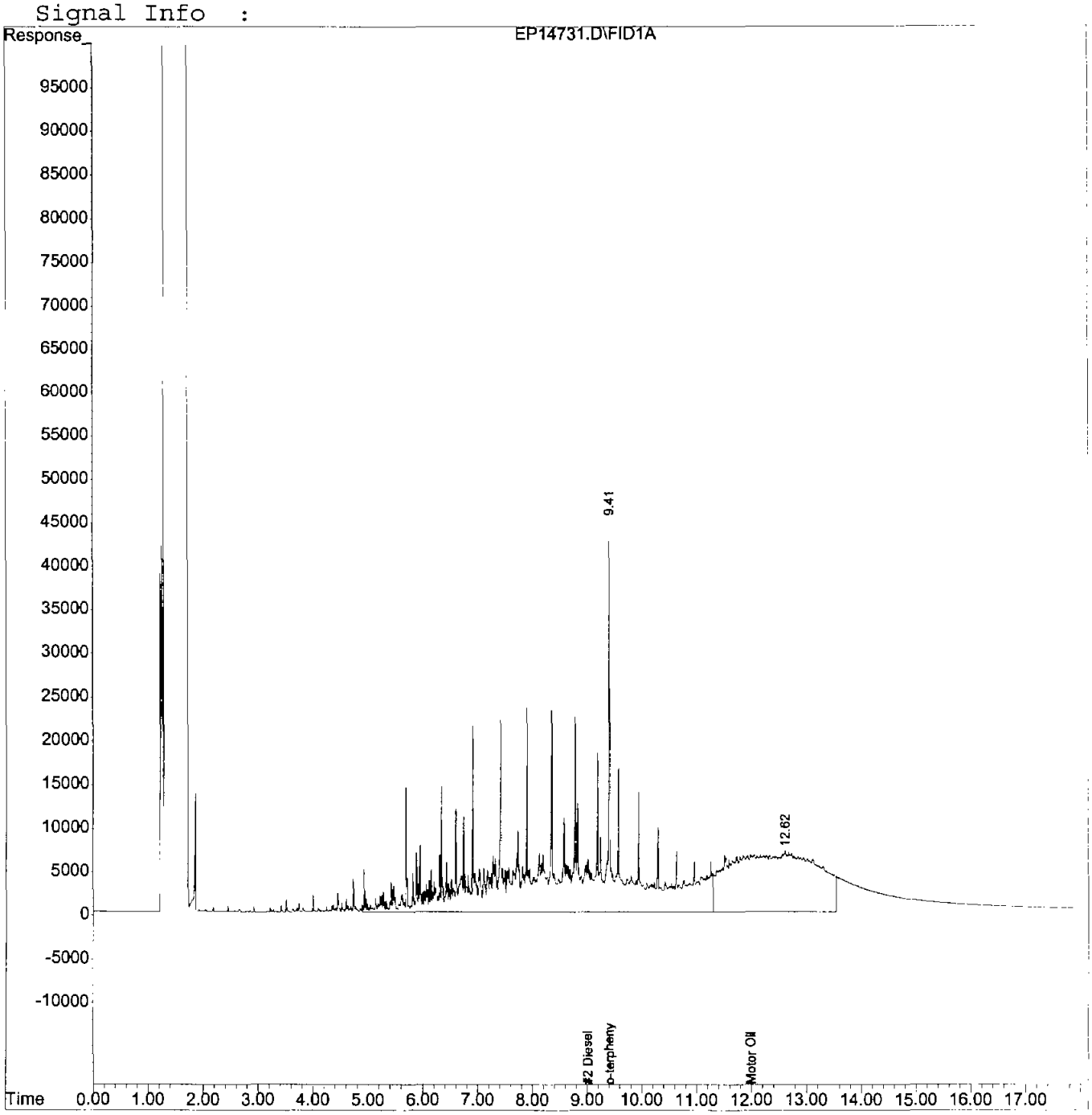
		Compound	R.T.	Response	Conc	Units
		System Monitoring Compounds				
1)	S	o-terphenyl (S)	9.41	447226	15.393	ng/ul
		Target Compounds				
2)	H	#2 Diesel	9.00	13964228	519.418	ng/ul
3)	H	Motor Oil	12.00	7725747	532.002	ng/ul

Quantitation Report (Not Reviewed)

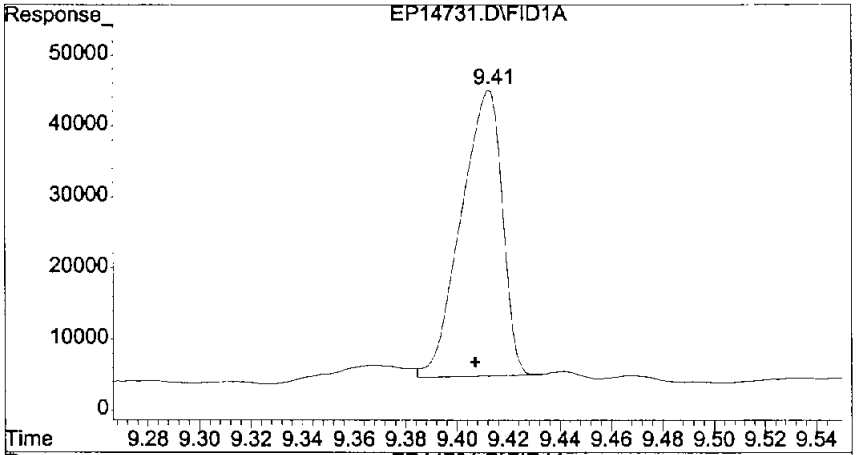
Data File : G:\DATA\111904_A\EP14731.D Vial: 21
Acq On : 19 Nov 2004 21:41 Operator: jda
Sample : 124945-3 &10 msd Inst : SEA016
Misc : Multiplr: 1.00
IntFile : EVENTS.E
Quant Time: Nov 22 7:34 2004 Quant Results File: NWDF1116.RES

Quant Method : G:\METHODS\NWDF1116.M (Chemstation Integrator)
Title : NWTPH-Dx front column (11/16/04)
Last Update : Wed Nov 17 07:41:09 2004
Response via : Multiple Level Calibration
DataAcq Meth : FACQ.M

Volume Inj. :
Signal Phase :
Signal Info :

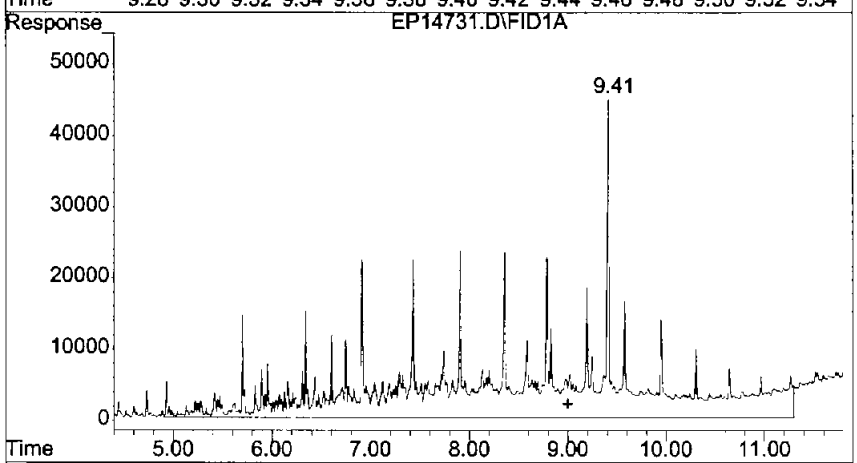


01135



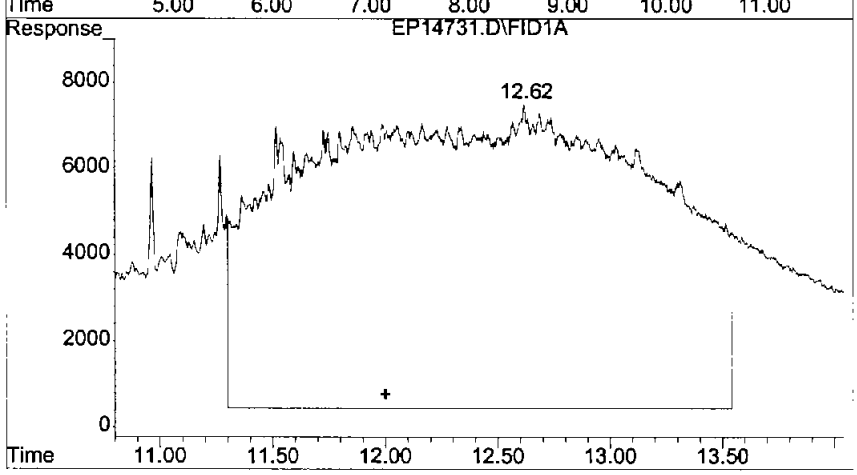
#1 o-terphenyl (S)

R.T.: 9.413 min
Delta R.T.: 0.006 min
Response: 447226
Conc: 15.39 ng/ul



#2 #2 Diesel

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 13964228
Conc: 519.42 ng/ul m



#3 Motor Oil

R.T.: 12.000 min
Delta R.T.: 0.000 min
Response: 7725747
Conc: 532.00 ng/ul m

LABORATORY WORKSHEETS

01137

diesel Worksheet - total

QC Level:Tier IV	**Due: 11/30/04**
Matrix:solid	**Work Order - 124945**
URS Corporation	Proj. Manager ~~Dawn Werner~~ Katie

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

See attached

Sample number 124945-3	
Sample Weight/Volume	
Client Sample ID	041116SGA02SS
Date Received	11/18/2004
Date Sampled	**11/16/2004 3:15:00 PM**

Diesel Ext - NWTPH-Dx

Samples are: Low Level ☐ Small Volume ☐ Normal ☐

Analyst _____ Date 11-22-04

Reviewed by _____ Date 32482 11/23/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01138

Diesel Analysis

QCBatch ID	ds1347
Sample Matrix	solid
Surrogate Standard No	1166-52-5
Expiration Date	01/12/05
Fuels Combo Spike No	1166-53-1
Expiration Date	1/12/05
MeCl2 Lot Number	
Na2SO4 Lot Number	X41147
Extraction Method	3550M

Volume Measured By/Date

Extracted By/Date 11/19/04

QC Sample Type	QC Identifier	Sample Amount (g)	Final Volume (ml)	Surr Spike (ul)	MS/BS spike amt (ul)
Method Blank	ds1347	10.0000	10	100	N/A
Duplicate	124969r6	10.6120	10	100	N/A
Duplicate-2					N/A
Blank Spike	sds1347	10.0000	10	100	100
Blank Spike Duplicate	dds1347	10.0000	10	100	100
Matrix Spike	124945s3	10.3636	10	100	100
Matrix Spike Duplicate	124945d3	10.9967	10	100	100
Matrix Spike-2	none				
Matrix Spike Duplicate-2	none				

Sample	Client Sample ID	Sample Amount (g)	Final Volume (ml)	Surr Spike (ul)	Comments
124969-4	TP-4-9	10.8940	10	100	
124969-5	TP-5-7	10.3790	10	100	
124969-6	TP-6-8	10.0690	10	100	
124969-7	TP-7-7	10.8970	10	100	
124969-8	TP-8-5	10.0620	10	100	
124969-10	TP-9-13	10.4700	10	100	
124969-11	TP-10-9	10.8490	10	100	
124945-3	41116SGA02S	10.6043	10	100	

01139

STL Seattle

6a **Sample Information**

Client Name						
Work Order Number						
Sample Number				Related Blank: noblank		
QC Batch Number	ds1347					
Client Sample ID						
Date Received						
Date Prepared	11-19-04					
Date Analyzed	11-19-04					
Sample matrix type	solid					
QC sample type	blank					

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	19.1558		95.8	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

Hydrocarbon name for X1flag: jet fuel, kerosene or similar produ

FALSE <-- do not overwrite this cell

	Target Analytes	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL

01140

STL Seattle

6a **Sample Information**

Client Name						
Work Order Number						
Sample Number				Related Blank: ds1347		
QC Batch Number	ds1347					
Client Sample ID						
Date Received						
Date Prepared	11-19-04					
Date Analyzed	11-19-04					
Sample matrix type	solid					
QC sample type	bs					
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	22.7429		114	OK	50	150
				-	-		
				-	-		
				-	-		
				-	-		
				-	-		

Hydrocarbon name for X1flag: FALSE <-- do not overwrite this cell

x	Target Analytes (jet fuel, kerosene or similar produ)	Quan Value	User Flag	Blank	Calculated Amount	Total Flags	PQL
x	#2 Diesel	573.8349			574		25
x	Motor Oil	556.1101			556		50

01141

STL Seattle

6a **Sample Information**

Client Name						
Work Order Number						
Sample Number				Related Blank: ds1347		
QC Batch Number	ds1347					
Client Sample ID						
Date Received						
Date Prepared	11-19-04					
Date Analyzed	11-19-04					
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	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	18.8464		94.2	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	472.4368			472			25
x	Motor Oil	441.6105			442			50

01142

STL Seattle

6a **Sample Information**

Client Name	URS Corporation				
Work Order Number	124945				
Sample Number	3			Related Blank:	ds1347
QC Batch Number	ds1347				
Client Sample ID	041116SGA02SS				
Date Received	11-18-04				
Date Prepared	11-19-04				
Date Analyzed	11-19-04				
Sample matrix type	solid				
QC sample type	sample				

Sample weight (g)	10.6043	=	0.0106 /kg	Calc. Fact.	1.110211541
Extract volume (ml)	10	=	10 ml	Dry Weight	9.00729242 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	84.94	=	0.8494	Spike Factor	0.111021154
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	16.0838		80.4	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

01143

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**124945**				
Sample Number	**3**			Related Blank:	ds1347
QC Batch Number	**ds1347**				
Client Sample ID	**041116SGA02SS**				
Date Received	**11-18-04**				
Date Prepared	**11-19-04**				
Date Analyzed	**11-19-04**				
Sample matrix type	**solid**				
QC sample type	**ms**				

Sample weight (g)	**10.3636**	=	0.01036 /kg	Calc. Fact.	1.135996782
Extract volume (ml)	**10**	=	10 ml	Dry Weight	8.80284184 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	**84.94**	=	0.8494	Spike Factor	0.113599678
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	15.082		75.4	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	562.9274			639		28.4
x	Motor Oil	581.0955			660		56.8

01144

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**124945**				
Sample Number	**3**			Related Blank:	ds1347
QC Batch Number	**ds1347**				
Client Sample ID	**041116SGA02SS**				
Date Received	**11-18-04**				
Date Prepared	**11-19-04**				
Date Analyzed	**11-19-04**				
Sample matrix type	**solid**				
QC sample type	**msd**				
Sample weight (g)	**10.9967**	=	0.011 /kg	Calc. Fact.	1.070595383
Extract volume (ml)	**10**	=	10 ml	Dry Weight	9.34059698 g
Dilution Factor		=	1	Sample Units	mg/kg
% Solids	**84.94**	=	0.8494	Spike Factor	0.107059538
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	15.3934		77	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	519.4179			556		26.8
x	Motor Oil	532.0025			570		53.5

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TOTAL METALS DATA PACKAGE

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Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 11/22/04 11:57:06 AM
Sample Prep Volume:
Data Type: Reprocessed on 11/23/04 8:22:07 AM,

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542	285964.1	2080.46	0.73%	100.0	%
Sc 361.383	563724.6	4334.23	0.77%	100.0	%
As 188.979†	-8.3	0.69	8.31%	[0.00]	mg/L
Ba 233.527†	-19.5	2.82	14.47%	[0.00]	mg/L
Cd 226.502†	-12.5	3.46	27.72%	[0.00]	mg/L
Cr 267.716†	-16.2	6.34	39.18%	[0.00]	mg/L
Pb 220.353†	10.1	2.44	24.09%	[0.00]	mg/L
Se 196.026†	5.6	3.95	71.06%	[0.00]	mg/L
Ag 328.068	-101.6	42.13	41.45%	[0.00]	mg/L
Cu 327.393†	-2831.7	85.48	3.02%	[0.00]	mg/L
Ni 231.604†	-18.5	1.81	9.79%	[0.00]	mg/L
Zn 206.200†	5.1	0.44	8.57%	[0.00]	mg/L
Be 313.107†	1118.1	82.25	7.36%	[0.00]	mg/L
Sb 206.836†	78.2	4.66	5.96%	[0.00]	mg/L
Tl 190.801†	-1.7	0.42	24.66%	[0.00]	mg/L
Co 228.616†	3.2	11.99	375.07%	[0.00]	mg/L
Mn 257.610†	-117.4	3.95	3.36%	[0.00]	mg/L
V 292.402†	166.4	10.58	6.36%	[0.00]	mg/L
K 766.490†	-1.9	0.86	45.19%	[0.00]	mg/L
Na 330.237	-97.7	54.68	55.99%	[0.00]	mg/L
Al 308.215†	-2704.4	44.07	1.63%	[0.00]	mg/L
Fe 273.955†	-34.6	4.89	14.12%	[0.00]	mg/L
Ca 315.887†	-3.0	1.33	44.11%	[0.00]	mg/L
Mg 279.077†	-14.1	1.83	12.96%	[0.00]	mg/L

Sequence No.: 2
Sample ID: High Standard
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 11/22/04 12:02:55 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/23/04 8:22:09 AM,

Mean Data: High Standard

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542	291480.7	410.70	0.14%	101.9	%
Sc 361.383	582746.3	5361.56	0.92%	103.4	%
As 188.979†	1068.7	7.50	0.70%	[2.00]	mg/L
Ba 233.527†	31973.0	156.71	0.49%	[1.00]	mg/L
Cd 226.502†	62356.2	344.24	0.55%	[1.00]	mg/L
Cr 267.716†	121199.1	790.89	0.65%	[2.00]	mg/L
Pb 220.353†	8367.3	3.93	0.05%	[2.00]	mg/L
Se 196.026†	11539.7	20.31	0.18%	[10.0]	mg/L
Ag 328.068	236879.8	1267.19	0.53%	[2.00]	mg/L
Cu 327.393†	213791.3	887.02	0.41%	[2.00]	mg/L
Ni 231.604†	46089.2	198.56	0.43%	[2.00]	mg/L
Zn 206.200†	29816.7	124.22	0.42%	[2.00]	mg/L
Be 313.107†	1459194.2	7231.62	0.50%	[0.40]	mg/L
Sb 206.836†	30957.8	80.11	0.26%	[10.0]	mg/L
Tl 190.801†	13024.4	40.24	0.31%	[10.0]	mg/L
Co 228.616†	58858.8	233.09	0.40%	[2.00]	mg/L
Mn 257.610†	778595.0	4663.55	0.60%	[2.00]	mg/L
V 292.402†	216485.6	1042.58	0.48%	[2.00]	mg/L
K 766.490†	845.1	4.16	0.49%	[20.0]	mg/L
Na 330.237	11334.4	41.19	0.36%	[20.0]	mg/L
Al 308.215†	221951.2	841.54	0.38%	[20.0]	mg/L
Fe 273.955†	271079.8	893.86	0.33%	[20.0]	mg/L
Ca 315.887†	20988.9	110.08	0.52%	[20.0]	mg/L

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Mg 279.077† 7099.0 17.27 0.24% [20.0] mg/L

Sequence No.: 3 **Autosampler Location: 3**
Sample ID: ICV **Date Collected: 11/22/04 12:13:04 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:22:11 AM,**

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	298894.1	104.5	%	0.69				0.66%
Sc 361.383	592151.2	105.0	%	0.67				0.63%
As 188.979†	1058.3	1.981	mg/L	0.0106	1.981	mg/L	0.0106	0.53%
QC value within limits for As 188.979 Recovery = 99.03%								
Ba 233.527†	1507.8	0.0472	mg/L	0.00036	0.0472	mg/L	0.00036	0.75%
QC value within limits for Ba 233.527 Recovery = 94.32%								
Cd 226.502†	12397.4	0.1988	mg/L	0.00156	0.1988	mg/L	0.00156	0.78%
QC value within limits for Cd 226.502 Recovery = 99.41%								
Cr 267.716†	5733.7	0.0946	mg/L	0.00070	0.0946	mg/L	0.00070	0.74%
QC value within limits for Cr 267.716 Recovery = 94.62%								
Pb 220.353†	2145.5	0.5128	mg/L	0.00488	0.5128	mg/L	0.00488	0.95%
QC value within limits for Pb 220.353 Recovery = 102.57%								
Se 196.026†	4756.8	4.122	mg/L	0.0412	4.122	mg/L	0.0412	1.00%
QC value within limits for Se 196.026 Recovery = 103.05%								
Ag 328.068	122736.4	1.036	mg/L	0.0088	1.036	mg/L	0.0088	0.85%
QC value within limits for Ag 328.068 Recovery = 103.63%								
Cu 327.393†	22083.1	0.2066	mg/L	0.00093	0.2066	mg/L	0.00093	0.45%
QC value within limits for Cu 327.393 Recovery = 103.29%								
Ni 231.604†	9614.7	0.4172	mg/L	0.00316	0.4172	mg/L	0.00316	0.76%
QC value within limits for Ni 231.604 Recovery = 104.31%								
Zn 206.200†	3032.2	0.2034	mg/L	0.00181	0.2034	mg/L	0.00181	0.89%
QC value within limits for Zn 206.200 Recovery = 101.70%								
Be 313.107†	73558.6	0.0202	mg/L	0.00005	0.0202	mg/L	0.00005	0.27%
QC value within limits for Be 313.107 Recovery = 100.82%								
Sb 206.836†	12313.2	3.977	mg/L	0.0370	3.977	mg/L	0.0370	0.93%
QC value within limits for Sb 206.836 Recovery = 99.44%								
Tl 190.801†	5564.9	4.273	mg/L	0.0382	4.273	mg/L	0.0382	0.89%
QC value within limits for Tl 190.801 Recovery = 106.82%								
Co 228.616†	15092.3	0.5128	mg/L	0.00442	0.5128	mg/L	0.00442	0.86%
QC value within limits for Co 228.616 Recovery = 102.57%								
Mn 257.610†	199836.5	0.5133	mg/L	0.00092	0.5133	mg/L	0.00092	0.18%
QC value within limits for Mn 257.610 Recovery = 102.67%								
V 292.402†	54179.4	0.5005	mg/L	0.00063	0.5005	mg/L	0.00063	0.13%
QC value within limits for V 292.402 Recovery = 100.11%								
K 766.490†	444.0	10.51	mg/L	0.117	10.51	mg/L	0.117	1.11%
QC value within limits for K 766.490 Recovery = 105.06%								
Na 330.237	2672.9	4.716	mg/L	0.0454	4.716	mg/L	0.0454	0.96%
QC value within limits for Na 330.237 Recovery = 94.33%								
Al 308.215†	21800.0	1.964	mg/L	0.0058	1.964	mg/L	0.0058	0.29%
QC value within limits for Al 308.215 Recovery = 98.22%								
Fe 273.955†	14021.4	1.034	mg/L	0.0069	1.034	mg/L	0.0069	0.66%
QC value within limits for Fe 273.955 Recovery = 103.45%								
Ca 315.887†	5169.0	4.925	mg/L	0.0150	4.925	mg/L	0.0150	0.31%
QC value within limits for Ca 315.887 Recovery = 98.51%								
Mg 279.077†	1749.6	4.929	mg/L	0.0125	4.929	mg/L	0.0125	0.25%
QC value within limits for Mg 279.077 Recovery = 98.58%								

All analytes passed QC.

Sequence No.: 4 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 11/22/04 12:25:39 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:22:13 AM,**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

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Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Lu 261.542	292364.0	102.2	%	1.55				1.52%
Sc 361.383	575568.8	102.1	%	1.49				1.46%
As 188.979†	1.1	0.0020	mg/L	0.00284	0.0020	mg/L	0.00284	140.47%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	2.7	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	39.95%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Cd 226.502†	-0.1	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	>999.9%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Cr 267.716†	-3.6	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	60.40%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Pb 220.353†	5.2	0.0012	mg/L	0.00111	0.0012	mg/L	0.00111	89.53%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Se 196.026†	-4.1	-0.0035	mg/L	0.00418	-0.0035	mg/L	0.00418	118.28%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068	169.9	0.0014	mg/L	0.00020	0.0014	mg/L	0.00020	13.76%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Cu 327.393†	-93.8	-0.0009	mg/L	0.00082	-0.0009	mg/L	0.00082	93.10%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	-2.8	-0.0001	mg/L	0.00033	-0.0001	mg/L	0.00033	274.42%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	2.0	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	35.09%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Be 313.107†	0.6	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	>999.9%
QC value within limits for Be 313.107 Recovery = Not calculated								
Sb 206.836†	31.9	0.0103	mg/L	0.00112	0.0103	mg/L	0.00112	10.90%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Tl 190.801†	0.5	0.0004	mg/L	0.00117	0.0004	mg/L	0.00117	317.67%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Co 228.616†	3.5	0.0001	mg/L	0.00006	0.0001	mg/L	0.00006	54.83%
QC value within limits for Co 228.616 Recovery = Not calculated								
Mn 257.610†	15.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	4.25%
QC value within limits for Mn 257.610 Recovery = Not calculated								
V 292.402†	16.4	0.0002	mg/L	0.00054	0.0002	mg/L	0.00054	359.71%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	3.4	0.0798	mg/L	0.01868	0.0798	mg/L	0.01868	23.40%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	19.8	0.0350	mg/L	0.05201	0.0350	mg/L	0.05201	148.70%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-51.0	-0.0046	mg/L	0.00311	-0.0046	mg/L	0.00311	67.68%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	22.7	0.0017	mg/L	0.00048	0.0017	mg/L	0.00048	28.77%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	-1.4	-0.0013	mg/L	0.00231	-0.0013	mg/L	0.00231	176.14%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	-1.8	-0.0050	mg/L	0.01062	-0.0050	mg/L	0.01062	211.93%
QC value within limits for Mg 279.077 Recovery = Not calculated								

All analytes passed QC.

Sequence No.: 5
Sample ID: RL-STD
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 11/22/04 12:41:48 PM

Sample Prep Volume:
Data Type: Reprocessed on 11/23/04 8:22:15 AM,

Mean Data: RL-STD

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	285782.8	99.94	%	0.533				0.53%
Sc 361.383	564263.4	100.1	%	0.47				0.47%
As 188.979†	4.2	0.0079	mg/L	0.00211	0.0079	mg/L	0.00211	26.80%
QC value within limits for As 188.979 Recovery = 78.61%								
Ba 233.527†	169.3	0.0053	mg/L	0.00006	0.0053	mg/L	0.00006	1.19%
QC value within limits for Ba 233.527 Recovery = 105.90%								
Cd 226.502†	320.9	0.0051	mg/L	0.00009	0.0051	mg/L	0.00009	1.68%
QC value within limits for Cd 226.502 Recovery = 102.91%								
Cr 267.716†	634.4	0.0105	mg/L	0.00004	0.0105	mg/L	0.00004	0.38%
QC value within limits for Cr 267.716 Recovery = 104.68%								
Pb 220.353†	43.4	0.0104	mg/L	0.00079	0.0104	mg/L	0.00079	7.65%

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QC value within limits for Pb 220.353 Recovery = 103.70%

Se 196.026†	55.8	0.0484 mg/L	0.00462	0.0484 mg/L	0.00462	9.54%

QC value within limits for Se 196.026 Recovery = 96.77%

Ag 328.068	1146.0	0.0097 mg/L	0.00031	0.0097 mg/L	0.00031	3.19%

QC value within limits for Ag 328.068 Recovery = 96.76%

Cu 327.393†	1021.0	0.0096 mg/L	0.00054	0.0096 mg/L	0.00054	5.68%

QC value within limits for Cu 327.393 Recovery = 95.51%

Ni 231.604†	243.9	0.0106 mg/L	0.00025	0.0106 mg/L	0.00025	2.38%

QC value within limits for Ni 231.604 Recovery = 105.83%

Zn 206.200†	156.6	0.0105 mg/L	0.00007	0.0105 mg/L	0.00007	0.65%

QC value within limits for Zn 206.200 Recovery = 105.02%

Be 313.107†	7507.0	0.0021 mg/L	0.00002	0.0021 mg/L	0.00002	0.82%

QC value within limits for Be 313.107 Recovery = 102.89%

Sb 206.836†	144.3	0.0466 mg/L	0.00066	0.0466 mg/L	0.00066	1.43%

QC value within limits for Sb 206.836 Recovery = 93.24%

Tl 190.801†	69.5	0.0534 mg/L	0.00121	0.0534 mg/L	0.00121	2.27%

QC value within limits for Tl 190.801 Recovery = 106.80%

Co 228.616†	310.3	0.0105 mg/L	0.00020	0.0105 mg/L	0.00020	1.89%

QC value within limits for Co 228.616 Recovery = 105.44%

Mn 257.610†	4114.1	0.0106 mg/L	0.00008	0.0106 mg/L	0.00008	0.80%

QC value within limits for Mn 257.610 Recovery = 105.68%

V 292.402†	1081.2	0.0100 mg/L	0.00020	0.0100 mg/L	0.00020	2.01%

QC value within limits for V 292.402 Recovery = 99.88%

K 766.490†	47.2	1.116 mg/L	0.0027	1.116 mg/L	0.0027	0.24%

QC value within limits for K 766.490 Recovery = 111.59%

Na 330.237	487.1	0.8594 mg/L	0.15204	0.8594 mg/L	0.15204	17.69%

QC value within limits for Na 330.237 Recovery = 85.94%

Al 308.215†	10649.9	0.9597 mg/L	0.00397	0.9597 mg/L	0.00397	0.41%

QC value within limits for Al 308.215 Recovery = 95.97%

Fe 273.955†	14068.1	1.038 mg/L	0.0024	1.038 mg/L	0.0024	0.23%

QC value within limits for Fe 273.955 Recovery = 103.79%

Ca 315.887†	1059.8	1.010 mg/L	0.0071	1.010 mg/L	0.0071	0.71%

QC value within limits for Ca 315.887 Recovery = 100.99%

Mg 279.077†	360.3	1.015 mg/L	0.0034	1.015 mg/L	0.0034	0.34%

QC value within limits for Mg 279.077 Recovery = 101.50%

All analytes passed QC.

Sequence No.: 6 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 11/22/04 12:53:30 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:22:17 AM,**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	259816.2	90.86	%	0.666				0.73%
Sc 361.383	502091.8	89.07	%	1.349				1.51%
As 188.979†	-7.2	-0.0134	mg/L	0.00379	-0.0134	mg/L	0.00379	28.29%

QC value within limits for As 188.979 Recovery = Not calculated

Ba 233.527†	446.7	0.0140 mg/L	0.00018	0.0140 mg/L	0.00018	1.25%

QC value within limits for Ba 233.527 Recovery = Not calculated

Cd 226.502†	236.3	0.0038 mg/L	0.00049	0.0038 mg/L	0.00049	12.94%

QC value within limits for Cd 226.502 Recovery = Not calculated

Cr 267.716†	117.0	0.0019 mg/L	0.00010	0.0019 mg/L	0.00010	5.40%

QC value within limits for Cr 267.716 Recovery = Not calculated

Pb 220.353†	-37.8	-0.0090 mg/L	0.00074	-0.0090 mg/L	0.00074	8.23%

QC value within limits for Pb 220.353 Recovery = Not calculated

Se 196.026†	-4.1	-0.0035 mg/L	0.01142	-0.0035 mg/L	0.01142	325.09%

QC value within limits for Se 196.026 Recovery = Not calculated

Ag 328.068	29.1	0.0002 mg/L	0.00002	0.0002 mg/L	0.00002	7.67%

QC value within limits for Ag 328.068 Recovery = Not calculated

Cu 327.393†	-1349.7	-0.0126 mg/L	0.00040	-0.0126 mg/L	0.00040	3.20%

QC value within limits for Cu 327.393 Recovery = Not calculated

Ni 231.604†	-63.4	-0.0027 mg/L	0.00035	-0.0027 mg/L	0.00035	12.62%

QC value within limits for Ni 231.604 Recovery = Not calculated

Zn 206.200†	199.8	0.0134 mg/L	0.00029	0.0134 mg/L	0.00029	2.17%

QC value within limits for Zn 206.200 Recovery = Not calculated

Be 313.107†	232.5	0.0001 mg/L	0.00003	0.0001 mg/L	0.00003	41.72%

01150

QC value within limits for Be 313.107 Recovery = Not calculated

Sb 206.836†	-26.4	-0.0085 mg/L	0.00119	-0.0085 mg/L	0.00119	14.00%

QC value within limits for Sb 206.836 Recovery = Not calculated

Tl 190.801†	-11.2	-0.0086 mg/L	0.00401	-0.0086 mg/L	0.00401	46.60%

QC value within limits for Tl 190.801 Recovery = Not calculated

Co 228.616†	-36.4	-0.0012 mg/L	0.00034	-0.0012 mg/L	0.00034	27.10%

QC value within limits for Co 228.616 Recovery = Not calculated

Mn 257.610†	3202.7	0.0082 mg/L	0.00017	0.0082 mg/L	0.00017	2.08%

QC value within limits for Mn 257.610 Recovery = Not calculated

V 292.402†	277.8	0.0026 mg/L	0.00066	0.0026 mg/L	0.00066	25.56%

QC value within limits for V 292.402 Recovery = Not calculated

K 766.490†	24.1	0.5699 mg/L	0.07214	0.5699 mg/L	0.07214	12.66%

QC value within limits for K 766.490 Recovery = Not calculated

Na 330.237	68850.1	121.5 mg/L	1.39	121.5 mg/L	1.39	1.15%

QC value within limits for Na 330.237 Recovery = 121.49%

Al 308.215†	1375795.1	124.0 mg/L	2.13	124.0 mg/L	2.13	1.72%

QC value within limits for Al 308.215 Recovery = 103.31%

Fe 273.955†	6080368.4	448.6 mg/L	5.87	448.6 mg/L	5.87	1.31%

QC value within limits for Fe 273.955 Recovery = 89.72%

Ca 315.887†	615051.0	586.1 mg/L	5.17	586.1 mg/L	5.17	0.88%

QC value within limits for Ca 315.887 Recovery = 97.68%

Mg 279.077†	102717.4	289.4 mg/L	2.39	289.4 mg/L	2.39	0.83%

QC value within limits for Mg 279.077 Recovery = 96.46%

All analytes passed QC.

Sequence No.: 7 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 11/22/04 12:59:03 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:22:19 AM,**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	259924.4	90.89	%	1.259				1.39%
Sc 361.383	499938.9	88.68	%	0.985				1.11%
As 188.979†	5066.0	9.481	mg/L	0.2054	9.481	mg/L	0.2054	2.17%
QC value within limits for As 188.979 Recovery = 94.81%								
Ba 233.527†	88324.7	2.762	mg/L	0.0455	2.762	mg/L	0.0455	1.65%
QC value within limits for Ba 233.527 Recovery = 92.08%								
Cd 226.502†	164957.1	2.645	mg/L	0.0438	2.645	mg/L	0.0438	1.65%
QC value within limits for Cd 226.502 Recovery = 88.18%								
Cr 267.716†	168179.9	2.775	mg/L	0.0458	2.775	mg/L	0.0458	1.65%
QC value within limits for Cr 267.716 Recovery = 92.51%								
Pb 220.353†	38188.3	9.128	mg/L	0.0691	9.128	mg/L	0.0691	0.76%
QC value within limits for Pb 220.353 Recovery = 91.28%								
Se 196.026†	5119.9	4.437	mg/L	0.0280	4.437	mg/L	0.0280	0.63%
QC value within limits for Se 196.026 Recovery = 88.74%								
Ag 328.068	314380.1	2.654	mg/L	0.0194	2.654	mg/L	0.0194	0.73%
QC value within limits for Ag 328.068 Recovery = 88.48%								
Cu 327.393†	315161.4	2.948	mg/L	0.0541	2.948	mg/L	0.0541	1.84%
QC value within limits for Cu 327.393 Recovery = 98.28%								
Ni 231.604†	59686.5	2.590	mg/L	0.0453	2.590	mg/L	0.0453	1.75%
QC value within limits for Ni 231.604 Recovery = 86.33%								
Zn 206.200†	37635.8	2.524	mg/L	0.0205	2.524	mg/L	0.0205	0.81%
QC value within limits for Zn 206.200 Recovery = 84.15%								
Be 313.107†	3389026.0	0.9290	mg/L	0.00670	0.9290	mg/L	0.00670	0.72%
QC value within limits for Be 313.107 Recovery = 92.90%								
Sb 206.836†	28586.7	9.234	mg/L	0.2059	9.234	mg/L	0.2059	2.23%
QC value within limits for Sb 206.836 Recovery = 92.34%								
Tl 190.801†	11551.7	8.869	mg/L	0.0993	8.869	mg/L	0.0993	1.12%
QC value within limits for Tl 190.801 Recovery = 88.69%								
Co 228.616†	77898.0	2.647	mg/L	0.0455	2.647	mg/L	0.0455	1.72%
QC value within limits for Co 228.616 Recovery = 88.23%								
Mn 257.610†	716285.6	1.840	mg/L	0.0308	1.840	mg/L	0.0308	1.67%
QC value within limits for Mn 257.610 Recovery = 92.00%								
V 292.402†	316564.8	2.925	mg/L	0.0495	2.925	mg/L	0.0495	1.69%
QC value within limits for V 292.402 Recovery = 97.49%								
K 766.490†	9748.8	230.7	mg/L	6.23	230.7	mg/L	6.23	2.70%

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QC value within limits for K 766.490 Recovery = 115.35%

Na 330.237	67658.3	119.4 mg/L	0.56	119.4 mg/L	0.56	0.47%

QC value within limits for Na 330.237 Recovery = 119.39%

Al 308.215†	1355110.8	122.1 mg/L	2.10	122.1 mg/L	2.10	1.72%

QC value within limits for Al 308.215 Recovery = 101.76%

Fe 273.955†	5946556.1	438.7 mg/L	3.18	438.7 mg/L	3.18	0.72%

QC value within limits for Fe 273.955 Recovery = 87.75%

Ca 315.887†	597945.6	569.8 mg/L	16.32	569.8 mg/L	16.32	2.86%

QC value within limits for Ca 315.887 Recovery = 94.96%

Mg 279.077†	100666.8	283.6 mg/L	8.32	283.6 mg/L	8.32	2.93%

QC value within limits for Mg 279.077 Recovery = 94.54%

All analytes passed QC.

01152

Reprocessing Begun
Logged In Analyst: Seattle_inst_Metals Technique: ICP Continuous

Results Data Set (original): 112204
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): SP751A
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 5
Sample ID: CCV Date Collected: 11/22/04 5:19:58 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 11/23/04 8:31:13 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	347865.4	102.6	%	0.65				0.63%
Sc 361.383	685675.3	102.4	%	0.44				0.43%
As 188.979†	438.5	0.9890	mg/L	0.01112	0.9890	mg/L	0.01112	1.12%
QC value within limits for As 188.979 Recovery = 98.90%								
Ba 233.527†	13092.8	0.4894	mg/L	0.00613	0.4894	mg/L	0.00613	1.25%
QC value within limits for Ba 233.527 Recovery = 97.88%								
Cd 226.502†	25447.9	0.4950	mg/L	0.00021	0.4950	mg/L	0.00021	0.04%
QC value within limits for Cd 226.502 Recovery = 98.99%								
Cr 267.716†	50720.2	0.9892	mg/L	0.00432	0.9892	mg/L	0.00432	0.44%
QC value within limits for Cr 267.716 Recovery = 98.92%								
Pb 220.353†	3455.2	0.9894	mg/L	0.01613	0.9894	mg/L	0.01613	1.63%
QC value within limits for Pb 220.353 Recovery = 98.94%								
Se 196.026†	4888.4	5.036	mg/L	0.0793	5.036	mg/L	0.0793	1.57%
QC value within limits for Se 196.026 Recovery = 100.71%								
Ag 328.068†	99063.2	1.008	mg/L	0.0037	1.008	mg/L	0.0037	0.36%
QC value within limits for Ag 328.068 Recovery = 100.81%								
Cu 327.393†	89336.3	0.9838	mg/L	0.00376	0.9838	mg/L	0.00376	0.38%
QC value within limits for Cu 327.393 Recovery = 98.38%								
Ni 231.604†	19239.6	0.9908	mg/L	0.01208	0.9908	mg/L	0.01208	1.22%
QC value within limits for Ni 231.604 Recovery = 99.08%								
Zn 206.200†	12070.7	0.9874	mg/L	0.01234	0.9874	mg/L	0.01234	1.25%
QC value within limits for Zn 206.200 Recovery = 98.74%								
Be 313.107†	610017.2	0.1981	mg/L	0.00035	0.1981	mg/L	0.00035	0.18%
QC value within limits for Be 313.107 Recovery = 99.07%								
Sb 206.836†	13085.4	5.007	mg/L	0.0663	5.007	mg/L	0.0663	1.32%
QC value within limits for Sb 206.836 Recovery = 100.14%								
Tl 190.801†	5493.4	4.999	mg/L	0.0627	4.999	mg/L	0.0627	1.25%
QC value within limits for Tl 190.801 Recovery = 99.98%								
Co 228.616†	24780.4	0.9975	mg/L	0.00265	0.9975	mg/L	0.00265	0.27%
QC value within limits for Co 228.616 Recovery = 99.75%								
Mn 257.610†	328699.4	0.9964	mg/L	0.00245	0.9964	mg/L	0.00245	0.25%
QC value within limits for Mn 257.610 Recovery = 99.64%								
V 292.402†	89719.8	0.9814	mg/L	0.00167	0.9814	mg/L	0.00167	0.17%
QC value within limits for V 292.402 Recovery = 98.14%								
K 766.490†	387.0	10.35	mg/L	0.177	10.35	mg/L	0.177	1.71%
QC value within limits for K 766.490 Recovery = 103.55%								
Na 330.237	4427.2	9.073	mg/L	0.1190	9.073	mg/L	0.1190	1.31%
QC value within limits for Na 330.237 Recovery = 90.73%								
Al 308.215†	91384.3	9.812	mg/L	0.0121	9.812	mg/L	0.0121	0.12%
QC value within limits for Al 308.215 Recovery = 98.12%								
Fe 273.955†	115475.3	10.05	mg/L	0.018	10.05	mg/L	0.018	0.18%
QC value within limits for Fe 273.955 Recovery = 100.52%								
Ca 315.887†	9023.4	10.09	mg/L	0.126	10.09	mg/L	0.126	1.25%
QC value within limits for Ca 315.887 Recovery = 100.92%								
Mg 279.077†	3120.9	10.15	mg/L	0.144	10.15	mg/L	0.144	1.42%
QC value within limits for Mg 279.077 Recovery = 101.48%								

All analytes passed QC.

Sequence No.: 2 Autosampler Location: 6

01153

Sample ID: CCB
Analyst:
Sample Wt:
Dilution:
Date Collected: 11/22/04 5:25:45 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/23/04 8:31:15 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	350420.4	103.4	%	1.08				1.05%
Sc 361.383	692211.0	103.4	%	1.12				1.09%
As 188.979†	-0.7	-0.0016	mg/L	0.00397	-0.0016	mg/L	0.00397	242.00%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	0.9	0.0000	mg/L	0.00008	0.0000	mg/L	0.00008	237.53%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Cd 226.502†	5.7	0.0001	mg/L	0.00005	0.0001	mg/L	0.00005	41.36%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Cr 267.716†	-2.3	0.0000	mg/L	0.00042	0.0000	mg/L	0.00042	961.67%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Pb 220.353†	2.7	0.0008	mg/L	0.00114	0.0008	mg/L	0.00114	147.08%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Se 196.026†	2.5	0.0026	mg/L	0.00146	0.0026	mg/L	0.00146	57.38%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068†	211.6	0.0022	mg/L	0.00059	0.0022	mg/L	0.00059	27.58%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Cu 327.393†	100.9	0.0011	mg/L	0.00091	0.0011	mg/L	0.00091	82.32%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	4.6	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	24.95%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	1.7	0.0001	mg/L	0.00021	0.0001	mg/L	0.00021	149.95%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Be 313.107†	-83.2	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	85.87%
QC value within limits for Be 313.107 Recovery = Not calculated								
Sb 206.836†	10.4	0.0040	mg/L	0.00352	0.0040	mg/L	0.00352	88.54%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Tl 190.801†	4.5	0.0041	mg/L	0.00269	0.0041	mg/L	0.00269	66.30%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Co 228.616†	0.2	0.0000	mg/L	0.00023	0.0000	mg/L	0.00023	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated								
Mn 257.610†	5.7	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	56.12%
QC value within limits for Mn 257.610 Recovery = Not calculated								
V 292.402†	77.0	0.0008	mg/L	0.00076	0.0008	mg/L	0.00076	90.22%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	0.2	0.0056	mg/L	0.01248	0.0056	mg/L	0.01248	221.06%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	-8.6	-0.0177	mg/L	0.08924	-0.0177	mg/L	0.08924	505.05%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	85.8	0.0092	mg/L	0.00396	0.0092	mg/L	0.00396	43.04%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	54.3	0.0047	mg/L	0.00093	0.0047	mg/L	0.00093	19.55%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	-8.4	-0.0094	mg/L	0.00147	-0.0094	mg/L	0.00147	15.62%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	-3.2	-0.0103	mg/L	0.01434	-0.0103	mg/L	0.01434	139.07%
QC value within limits for Mg 279.077 Recovery = Not calculated								

All analytes passed QC.

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Sequence No.: 3
Sample ID: mb sp751
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 20
Date Collected: 11/22/04 5:30:57 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/23/04 8:31:17 AM,

Mean Data: mb sp751

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	355472.2	104.9	%	0.32				0.31%
Sc 361.383	702299.3	104.9	%	0.23				0.22%
As 188.979†	1.1	0.0024	mg/L	0.00374	0.0024	mg/L	0.00374	154.71%

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Ba 233.527†	1.1	0.0000 mg/L	0.00018	0.0000 mg/L	0.00018	445.28%
Cd 226.502†	4.8	0.0001 mg/L	0.00010	0.0001 mg/L	0.00010	107.33%
Cr 267.716†	3.1	0.0001 mg/L	0.00093	0.0001 mg/L	0.00093	>999.9%
Pb 220.353†	0.1	0.0000 mg/L	0.00203	0.0000 mg/L	0.00203	>999.9%
Se 196.026†	2.6	0.0027 mg/L	0.00175	0.0027 mg/L	0.00175	65.23%
Ag 328.068†	31.8	0.0003 mg/L	0.00053	0.0003 mg/L	0.00053	164.24%
Cu 327.393†	88.0	0.0010 mg/L	0.00047	0.0010 mg/L	0.00047	48.39%
Ni 231.604†	4.0	0.0002 mg/L	0.00028	0.0002 mg/L	0.00028	137.17%
Zn 206.200†	-2.1	-0.0002 mg/L	0.00016	-0.0002 mg/L	0.00016	94.84%
Be 313.107†	-148.6	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	26.68%
Sb 206.836†	-2.3	-0.0009 mg/L	0.00092	-0.0009 mg/L	0.00092	106.93%
Tl 190.801†	1.5	0.0014 mg/L	0.00275	0.0014 mg/L	0.00275	199.50%
Co 228.616†	5.5	0.0002 mg/L	0.00029	0.0002 mg/L	0.00029	130.32%
Mn 257.610†	-11.6	0.0000 mg/L	0.00002	0.0000 mg/L	0.00002	43.02%
V 292.402†	-6.2	-0.0001 mg/L	0.00040	-0.0001 mg/L	0.00040	592.48%
K 766.490†	-1.5	-0.0410 mg/L	0.06292	-0.0410 mg/L	0.06292	153.29%
Na 330.237	5.4	0.0111 mg/L	0.08731	0.0111 mg/L	0.08731	785.55%
Al 308.215†	150.1	0.0161 mg/L	0.00221	0.0161 mg/L	0.00221	13.72%
Fe 273.955†	-3.9	-0.0003 mg/L	0.00018	-0.0003 mg/L	0.00018	52.44%
Ca 315.887†	-8.2	-0.0092 mg/L	0.00048	-0.0092 mg/L	0.00048	5.26%
Mg 279.077†	-2.4	-0.0078 mg/L	0.00492	-0.0078 mg/L	0.00492	63.31%

Sequence No.: 4 **Autosampler Location: 21**
Sample ID: 124945-3-1/5 **Date Collected: 11/22/04 5:36:08 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:19 AM,**

Mean Data: 124945-3-1/5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	336044.1	99.16	%	1.640				1.65%
Sc 361.383	672517.0	100.5	%	1.88				1.87%
As 188.979†	6.3	0.0142	mg/L	0.00141	0.0142	mg/L	0.00141	9.91%
Ba 233.527†	3758.6	0.1405	mg/L	0.00254	0.1405	mg/L	0.00254	1.81%
Cd 226.502†	12.2	0.0002	mg/L	0.00016	0.0002	mg/L	0.00016	67.98%
Cr 267.716†	1561.9	0.0305	mg/L	0.00053	0.0305	mg/L	0.00053	1.75%
Pb 220.353†	33.7	0.0097	mg/L	0.00185	0.0097	mg/L	0.00185	19.16%
Se 196.026†	2.8	0.0029	mg/L	0.00291	0.0029	mg/L	0.00291	100.60%
Ag 328.068†	133.3	0.0014	mg/L	0.00015	0.0014	mg/L	0.00015	11.22%
Cu 327.393†	7434.6	0.0819	mg/L	0.00178	0.0819	mg/L	0.00178	2.17%
Ni 231.604†	642.2	0.0331	mg/L	0.00033	0.0331	mg/L	0.00033	1.00%
Zn 206.200†	1101.6	0.0901	mg/L	0.00130	0.0901	mg/L	0.00130	1.44%
Be 313.107†	1987.8	0.0006	mg/L	0.00003	0.0006	mg/L	0.00003	4.28%
Sb 206.836†	8.8	0.0034	mg/L	0.00185	0.0034	mg/L	0.00185	54.90%
Tl 190.801†	-4.4	-0.0040	mg/L	0.00290	-0.0040	mg/L	0.00290	73.21%
Co 228.616†	644.0	0.0259	mg/L	0.00090	0.0259	mg/L	0.00090	3.47%
Mn 257.610†	234721.9	0.7115	mg/L	0.00741	0.7115	mg/L	0.00741	1.04%
V 292.402†	9330.1	0.1021	mg/L	0.00156	0.1021	mg/L	0.00156	1.53%
K 766.490†	36.0	0.9642	mg/L	0.06852	0.9642	mg/L	0.06852	7.11%
Na 330.237	-87.6	-0.1794	mg/L	0.11638	-0.1794	mg/L	0.11638	64.86%
Al 308.215†	172196.3	18.49	mg/L	0.145	18.49	mg/L	0.145	0.78%
Fe 273.955†	527019.9	45.88	mg/L	0.434	45.88	mg/L	0.434	0.95%
Ca 315.887†	9847.5	11.01	mg/L	0.273	11.01	mg/L	0.273	2.47%
Mg 279.077†	3405.9	11.07	mg/L	0.295	11.07	mg/L	0.295	2.66%

Sequence No.: 5 **Autosampler Location: 22**
Sample ID: 124945-3 **Date Collected: 11/22/04 5:41:43 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:21 AM,**

Mean Data: 124945-3

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	329296.0	97.17	%	1.475				1.52%
Sc 361.383	710630.3	106.2	%	1.77				1.67%

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As 188.979†	28.6	0.0646 mg/L	0.00391	0.0646 mg/L	0.00391	6.05%
Ba 233.527†	19424.4	0.7261 mg/L	0.00921	0.7261 mg/L	0.00921	1.27%
Cd 226.502†	36.7	0.0007 mg/L	0.00039	0.0007 mg/L	0.00039	54.41%
Cr 267.716†	8086.7	0.1577 mg/L	0.00255	0.1577 mg/L	0.00255	1.62%
Pb 220.353†	191.2	0.0547 mg/L	0.00082	0.0547 mg/L	0.00082	1.50%
Se 196.026†	-2.0	-0.0021 mg/L	0.00431	-0.0021 mg/L	0.00431	205.95%
Ag 328.068†	56.5	0.0006 mg/L	0.00023	0.0006 mg/L	0.00023	40.52%
Cu 327.393†	40051.6	0.4411 mg/L	0.00583	0.4411 mg/L	0.00583	1.32%
Ni 231.604†	3335.4	0.1718 mg/L	0.00177	0.1718 mg/L	0.00177	1.03%
Zn 206.200†	5487.0	0.4488 mg/L	0.00385	0.4488 mg/L	0.00385	0.86%
Be 313.107†	10939.9	0.0036 mg/L	0.00007	0.0036 mg/L	0.00007	2.03%
Sb 206.836†	-1.6	-0.0006 mg/L	0.00270	-0.0006 mg/L	0.00270	449.47%
Tl 190.801†	-33.9	-0.0308 mg/L	0.00455	-0.0308 mg/L	0.00455	14.76%
Co 228.616†	3319.4	0.1336 mg/L	0.00097	0.1336 mg/L	0.00097	0.73%
Mn 257.610†	1218862.7	3.695 mg/L	0.0021	3.695 mg/L	0.0021	0.06%
V 292.402†	48978.1	0.5357 mg/L	0.00759	0.5357 mg/L	0.00759	1.42%
K 766.490†	200.5	5.366 mg/L	0.0598	5.366 mg/L	0.0598	1.11%
Na 330.237	-659.7	-1.352 mg/L	0.0362	-1.352 mg/L	0.0362	2.68%
Al 308.215†	934524.2	100.3 mg/L	0.33	100.3 mg/L	0.33	0.32%
Fe 273.955†	2691631.6	234.3 mg/L	0.19	234.3 mg/L	0.19	0.08%
Ca 315.887†	50340.6	56.30 mg/L	1.198	56.30 mg/L	1.198	2.13%
Mg 279.077†	17514.2	56.95 mg/L	1.099	56.95 mg/L	1.099	1.93%

Sequence No.: 6 **Autosampler Location: 23**
Sample ID: 124945-3d **Date Collected: 11/22/04 5:47:25 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:23 AM,**

Mean Data: 124945-3d

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	337251.9	99.51	%	0.814				0.82%
Sc 361.383	729808.8	109.0	%	0.98				0.90%
As 188.979†	24.6	0.0556	mg/L	0.00221	0.0556	mg/L	0.00221	3.97%
Ba 233.527†	21333.7	0.7974	mg/L	0.01142	0.7974	mg/L	0.01142	1.43%
Cd 226.502†	62.9	0.0012	mg/L	0.00040	0.0012	mg/L	0.00040	32.41%
Cr 267.716†	8710.9	0.1699	mg/L	0.00252	0.1699	mg/L	0.00252	1.48%
Pb 220.353†	198.0	0.0567	mg/L	0.00117	0.0567	mg/L	0.00117	2.06%
Se 196.026†	-6.5	-0.0067	mg/L	0.00463	-0.0067	mg/L	0.00463	69.43%
Ag 328.068†	-50.2	-0.0005	mg/L	0.00068	-0.0005	mg/L	0.00068	132.33%
Cu 327.393†	40253.3	0.4433	mg/L	0.00771	0.4433	mg/L	0.00771	1.74%
Ni 231.604†	3094.9	0.1594	mg/L	0.00143	0.1594	mg/L	0.00143	0.90%
Zn 206.200†	5265.3	0.4307	mg/L	0.00259	0.4307	mg/L	0.00259	0.60%
Be 313.107†	11022.8	0.0036	mg/L	0.00004	0.0036	mg/L	0.00004	1.14%
Sb 206.836†	-10.7	-0.0041	mg/L	0.00649	-0.0041	mg/L	0.00649	157.92%
Tl 190.801†	-31.0	-0.0282	mg/L	0.00282	-0.0282	mg/L	0.00282	10.01%
Co 228.616†	2956.5	0.1190	mg/L	0.00106	0.1190	mg/L	0.00106	0.89%
Mn 257.610†	1133653.6	3.436	mg/L	0.0074	3.436	mg/L	0.0074	0.22%
V 292.402†	47731.9	0.5221	mg/L	0.00781	0.5221	mg/L	0.00781	1.49%
K 766.490†	204.4	5.468	mg/L	0.1155	5.468	mg/L	0.1155	2.11%
Na 330.237	-338.4	-0.6935	mg/L	0.05447	-0.6935	mg/L	0.05447	7.86%
Al 308.215†	884835.8	95.01	mg/L	0.210	95.01	mg/L	0.210	0.22%
Fe 273.955†	2710528.3	236.0	mg/L	0.54	236.0	mg/L	0.54	0.23%
Ca 315.887†	51071.7	57.12	mg/L	0.413	57.12	mg/L	0.413	0.72%
Mg 279.077†	16764.1	54.51	mg/L	0.434	54.51	mg/L	0.434	0.80%

Sequence No.: 7 **Autosampler Location: 24**
Sample ID: 124945-3dd **Date Collected: 11/22/04 5:53:08 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:25 AM,**

Mean Data: 124945-3dd

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	338469.0	99.87	%	1.443				1.44%

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Sc 361.383	731891.0	109.3	%	1.76			1.61%
As 188.979†	59.5	0.1341	mg/L	0.01051	0.1341 mg/L	0.01051	7.84%
Ba 233.527†	19864.6	0.7425	mg/L	0.01107	0.7425 mg/L	0.01107	1.49%
Cd 226.502†	68.6	0.0013	mg/L	0.00092	0.0013 mg/L	0.00092	68.95%
Cr 267.716†	10642.1	0.2076	mg/L	0.00299	0.2076 mg/L	0.00299	1.44%
Pb 220.353†	178.2	0.0510	mg/L	0.00150	0.0510 mg/L	0.00150	2.95%
Se 196.026†	-2.7	-0.0028	mg/L	0.00236	-0.0028 mg/L	0.00236	84.41%
Ag 328.068†	-211.4	-0.0022	mg/L	0.00080	-0.0022 mg/L	0.00080	37.32%
Cu 327.393†	40828.6	0.4496	mg/L	0.00858	0.4496 mg/L	0.00858	1.91%
Ni 231.604†	3439.4	0.1771	mg/L	0.00167	0.1771 mg/L	0.00167	0.94%
Zn 206.200†	5770.1	0.4720	mg/L	0.00341	0.4720 mg/L	0.00341	0.72%
Be 313.107†	9506.0	0.0031	mg/L	0.00005	0.0031 mg/L	0.00005	1.50%
Sb 206.836†	-5.1	-0.0019	mg/L	0.00566	-0.0019 mg/L	0.00566	292.05%
Tl 190.801†	-37.1	-0.0338	mg/L	0.00281	-0.0338 mg/L	0.00281	8.31%
Co 228.616†	4147.8	0.1670	mg/L	0.00143	0.1670 mg/L	0.00143	0.86%
Mn 257.610†	1442886.0	4.374	mg/L	0.0101	4.374 mg/L	0.0101	0.23%
V 292.402†	50958.6	0.5574	mg/L	0.00753	0.5574 mg/L	0.00753	1.35%
K 766.490†	210.9	5.642	mg/L	0.0945	5.642 mg/L	0.0945	1.68%
Na 330.237	-400.9	-0.8215	mg/L	0.18311	-0.8215 mg/L	0.18311	22.29%
Al 308.215†	881015.9	94.60	mg/L	0.201	94.60 mg/L	0.201	0.21%
Fe 273.955†	2767172.6	240.9	mg/L	0.53	240.9 mg/L	0.53	0.22%
Ca 315.887†	50457.3	56.43	mg/L	0.431	56.43 mg/L	0.431	0.76%
Mg 279.077†	20859.0	67.83	mg/L	0.805	67.83 mg/L	0.805	1.19%

Sequence No.: 8 **Autosampler Location: 25**
Sample ID: 124945-3s **Date Collected: 11/22/04 5:58:43 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:27 AM,**

Mean Data: 124945-3s

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	339023.7	100.0	%	0.97				0.97%
Sc 361.383	729254.4	108.9	%	1.46				1.34%
As 188.979†	1960.2	4.421	mg/L	0.0253	4.421	mg/L	0.0253	0.57%
Ba 233.527†	119554.2	4.469	mg/L	0.0135	4.469	mg/L	0.0135	0.30%
Cd 226.502†	4592.4	0.0893	mg/L	0.00015	0.0893	mg/L	0.00015	0.17%
Cr 267.716†	41094.8	0.8015	mg/L	0.00288	0.8015	mg/L	0.00288	0.36%
Pb 220.353†	3397.4	0.9729	mg/L	0.00180	0.9729	mg/L	0.00180	0.19%
Se 196.026†	2988.5	3.079	mg/L	0.0135	3.079	mg/L	0.0135	0.44%
Ag 328.068†	53992.8	0.5494	mg/L	0.00170	0.5494	mg/L	0.00170	0.31%
Cu 327.393†	90219.3	0.9935	mg/L	0.00305	0.9935	mg/L	0.00305	0.31%
Ni 231.604†	21419.8	1.103	mg/L	0.0058	1.103	mg/L	0.0058	0.52%
Zn 206.200†	16397.7	1.341	mg/L	0.0031	1.341	mg/L	0.0031	0.23%
Be 313.107†	290850.1	0.0945	mg/L	0.00035	0.0945	mg/L	0.00035	0.38%
Sb 206.836†	6820.6	2.610	mg/L	0.0053	2.610	mg/L	0.0053	0.20%
Tl 190.801†	3887.5	3.537	mg/L	0.0024	3.537	mg/L	0.0024	0.07%
Co 228.616†	26374.1	1.062	mg/L	0.0075	1.062	mg/L	0.0075	0.71%
Mn 257.610†	1599854.0	4.850	mg/L	0.0037	4.850	mg/L	0.0037	0.08%
V 292.402†	142061.0	1.554	mg/L	0.0032	1.554	mg/L	0.0032	0.20%
K 766.490†	987.4	26.42	mg/L	0.286	26.42	mg/L	0.286	1.08%
Na 330.237	9506.3	19.48	mg/L	0.398	19.48	mg/L	0.398	2.04%
Al 308.215†	996873.3	107.0	mg/L	0.23	107.0	mg/L	0.23	0.21%
Fe 273.955†	3878899.4	337.7	mg/L	0.47	337.7	mg/L	0.47	0.14%
Ca 315.887†	66574.2	74.46	mg/L	0.841	74.46	mg/L	0.841	1.13%
Mg 279.077†	23412.3	76.13	mg/L	0.821	76.13	mg/L	0.821	1.08%

Sequence No.: 9 **Autosampler Location: 26**
Sample ID: 124945-3sd **Date Collected: 11/22/04 6:04:19 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:29 AM,**

Mean Data: 124945-3sd

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD

01157

Lu 261.542	337277.2	99.52 %	1.820			1.83%
Sc 361.383	735298.9	109.8 %	2.54			2.31%
As 188.979†	1653.1	3.729 mg/L	0.0552	3.729 mg/L	0.0552	1.48%
Ba 233.527†	117655.1	4.398 mg/L	0.0567	4.398 mg/L	0.0567	1.29%
Cd 226.502†	4584.8	0.0892 mg/L	0.00134	0.0892 mg/L	0.00134	1.50%
Cr 267.716†	27739.3	0.5410 mg/L	0.00646	0.5410 mg/L	0.00646	1.19%
Pb 220.353†	3405.5	0.9752 mg/L	0.01466	0.9752 mg/L	0.01466	1.50%
Se 196.026†	2990.4	3.080 mg/L	0.0439	3.080 mg/L	0.0439	1.42%
Ag 328.068†	54709.1	0.5567 mg/L	0.00786	0.5567 mg/L	0.00786	1.41%
Cu 327.393†	92009.9	1.013 mg/L	0.0157	1.013 mg/L	0.0157	1.55%
Ni 231.604†	21682.5	1.117 mg/L	0.0142	1.117 mg/L	0.0142	1.27%
Zn 206.200†	16630.8	1.360 mg/L	0.0203	1.360 mg/L	0.0203	1.49%
Be 313.107†	295847.7	0.0961 mg/L	0.00132	0.0961 mg/L	0.00132	1.37%
Sb 206.836†	6722.1	2.572 mg/L	0.0434	2.572 mg/L	0.0434	1.69%
Tl 190.801†	3887.4	3.537 mg/L	0.0487	3.537 mg/L	0.0487	1.38%
Co 228.616†	26698.6	1.075 mg/L	0.0147	1.075 mg/L	0.0147	1.37%
Mn 257.610†	1592110.1	4.826 mg/L	0.0513	4.826 mg/L	0.0513	1.06%
V 292.402†	138248.6	1.512 mg/L	0.0222	1.512 mg/L	0.0222	1.47%
K 766.490†	976.0	26.12 mg/L	0.631	26.12 mg/L	0.631	2.41%
Na 330.237	9724.0	19.93 mg/L	0.228	19.93 mg/L	0.228	1.15%
Al 308.215†	1030711.0	110.7 mg/L	1.10	110.7 mg/L	1.10	0.99%
Fe 273.955†	3254327.8	283.3 mg/L	3.01	283.3 mg/L	3.01	1.06%
Ca 315.887†	72607.8	81.20 mg/L	1.709	81.20 mg/L	1.709	2.10%
Mg 279.077†	24909.5	81.00 mg/L	1.726	81.00 mg/L	1.726	2.13%

Sequence No.: 10 **Autosampler Location: 27**
Sample ID: 124945-3ps **Date Collected: 11/22/04 6:09:55 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:31 AM,**

Mean Data: 124945-3ps

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	346850.1	102.3	%	2.01				1.96%
Sc 361.383	748506.8	111.8	%	1.41				1.26%
As 188.979†	1552.9	3.503	mg/L	0.0585	3.503	mg/L	0.0585	1.67%
Ba 233.527†	112874.9	4.219	mg/L	0.0628	4.219	mg/L	0.0628	1.49%
Cd 226.502†	4330.9	0.0842	mg/L	0.00147	0.0842	mg/L	0.00147	1.74%
Cr 267.716†	25277.9	0.4930	mg/L	0.00598	0.4930	mg/L	0.00598	1.21%
Pb 220.353†	3190.1	0.9135	mg/L	0.01515	0.9135	mg/L	0.01515	1.66%
Se 196.026†	2933.6	3.022	mg/L	0.0562	3.022	mg/L	0.0562	1.86%
Ag 328.068†	48884.7	0.4975	mg/L	0.00607	0.4975	mg/L	0.00607	1.22%
Cu 327.393†	78054.5	0.8596	mg/L	0.01379	0.8596	mg/L	0.01379	1.60%
Ni 231.604†	19372.1	0.9976	mg/L	0.01681	0.9976	mg/L	0.01681	1.69%
Zn 206.200†	14816.6	1.212	mg/L	0.0205	1.212	mg/L	0.0205	1.69%
Be 313.107†	275483.3	0.0895	mg/L	0.00124	0.0895	mg/L	0.00124	1.39%
Sb 206.836†	6599.8	2.525	mg/L	0.0397	2.525	mg/L	0.0397	1.57%
Tl 190.801†	3703.0	3.370	mg/L	0.0654	3.370	mg/L	0.0654	1.94%
Co 228.616†	24155.6	0.9723	mg/L	0.01356	0.9723	mg/L	0.01356	1.39%
Mn 257.610†	1333184.1	4.041	mg/L	0.0050	4.041	mg/L	0.0050	0.12%
V 292.402†	123012.9	1.346	mg/L	0.0181	1.346	mg/L	0.0181	1.35%
K 766.490†	1036.6	27.74	mg/L	0.630	27.74	mg/L	0.630	2.27%
Na 330.237	10032.1	20.56	mg/L	0.416	20.56	mg/L	0.416	2.02%
Al 308.215†	864986.7	92.88	mg/L	0.122	92.88	mg/L	0.122	0.13%
Fe 273.955†	2737774.4	238.3	mg/L	0.32	238.3	mg/L	0.32	0.13%
Ca 315.887†	67473.6	75.46	mg/L	1.357	75.46	mg/L	1.357	1.80%
Mg 279.077†	21900.7	71.21	mg/L	1.266	71.21	mg/L	1.266	1.78%

Sequence No.: 11 **Autosampler Location: 28**
Sample ID: lcs-soil-1 **Date Collected: 11/22/04 6:15:32 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:33 AM,**

Mean Data: lcs-soil-1

	Mean Corrected	Calib		Sample

01158

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Lu 261.542	359966.5	106.2	%	1.55				1.46%
Sc 361.383	722816.6	108.0	%	1.67				1.55%
As 188.979†	470.5	1.061	mg/L	0.0166	1.061	mg/L	0.0166	1.57%
Ba 233.527†	85169.6	3.184	mg/L	0.0492	3.184	mg/L	0.0492	1.55%
Cd 226.502†	49838.8	0.9694	mg/L	0.01806	0.9694	mg/L	0.01806	1.86%
Cr 267.716†	82649.4	1.612	mg/L	0.0253	1.612	mg/L	0.0253	1.57%
Pb 220.353†	3510.5	1.005	mg/L	0.0130	1.005	mg/L	0.0130	1.29%
Se 196.026†	1384.1	1.426	mg/L	0.0144	1.426	mg/L	0.0144	1.01%
Ag 328.068†	79393.2	0.8079	mg/L	0.01333	0.8079	mg/L	0.01333	1.65%
Cu 327.393†	109268.9	1.203	mg/L	0.0218	1.203	mg/L	0.0218	1.81%
Ni 231.604†	24757.5	1.275	mg/L	0.0227	1.275	mg/L	0.0227	1.78%
Zn 206.200†	21557.8	1.763	mg/L	0.0228	1.763	mg/L	0.0228	1.29%
Be 313.107†	4039480.1	1.312	mg/L	0.0022	1.312	mg/L	0.0022	0.17%
Sb 206.836†	4411.4	1.688	mg/L	0.0267	1.688	mg/L	0.0267	1.58%
Tl 190.801†	1631.8	1.485	mg/L	0.0159	1.485	mg/L	0.0159	1.07%
Co 228.616†	33457.4	1.347	mg/L	0.0253	1.347	mg/L	0.0253	1.88%
Mn 257.610†	1680431.7	5.094	mg/L	0.0128	5.094	mg/L	0.0128	0.25%
V 292.402†	101234.8	1.107	mg/L	0.0187	1.107	mg/L	0.0187	1.68%
K 766.490†	583.2	15.60	mg/L	0.191	15.60	mg/L	0.191	1.23%
Na 330.237	1527.3	3.130	mg/L	0.0296	3.130	mg/L	0.0296	0.95%
Al 308.215†	348246.7	37.39	mg/L	0.592	37.39	mg/L	0.592	1.58%
Fe 273.955†	983258.2	85.59	mg/L	0.174	85.59	mg/L	0.174	0.20%
Ca 315.887†	25991.8	29.07	mg/L	0.080	29.07	mg/L	0.080	0.27%
Mg 279.077†	4488.6	14.60	mg/L	0.101	14.60	mg/L	0.101	0.69%

Sequence No.: 12 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/22/04 6:21:09 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:35 AM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	398214.6	117.5	%	2.00				1.71%
Sc 361.383	787664.8	117.7	%	1.68				1.43%
As 188.979†	419.1	0.9452	mg/L	0.01626	0.9452	mg/L	0.01626	1.72%
QC value within limits for As 188.979 Recovery = 94.52%								
Ba 233.527†	12471.2	0.4662	mg/L	0.01046	0.4662	mg/L	0.01046	2.24%
QC value within limits for Ba 233.527 Recovery = 93.23%								
Cd 226.502†	24080.2	0.4684	mg/L	0.00806	0.4684	mg/L	0.00806	1.72%
QC value within limits for Cd 226.502 Recovery = 93.67%								
Cr 267.716†	47709.2	0.9305	mg/L	0.01735	0.9305	mg/L	0.01735	1.87%
QC value within limits for Cr 267.716 Recovery = 93.05%								
Pb 220.353†	3254.2	0.9318	mg/L	0.00718	0.9318	mg/L	0.00718	0.77%
QC value within limits for Pb 220.353 Recovery = 93.18%								
Se 196.026†	4574.4	4.712	mg/L	0.0780	4.712	mg/L	0.0780	1.65%
QC value within limits for Se 196.026 Recovery = 94.24%								
Ag 328.068†	93856.5	0.9551	mg/L	0.01890	0.9551	mg/L	0.01890	1.98%
QC value within limits for Ag 328.068 Recovery = 95.51%								
Cu 327.393†	84745.7	0.9332	mg/L	0.01852	0.9332	mg/L	0.01852	1.98%
QC value within limits for Cu 327.393 Recovery = 93.32%								
Ni 231.604†	18377.3	0.9464	mg/L	0.01761	0.9464	mg/L	0.01761	1.86%
QC value within limits for Ni 231.604 Recovery = 94.64%								
Zn 206.200†	11426.2	0.9346	mg/L	0.01924	0.9346	mg/L	0.01924	2.06%
QC value within limits for Zn 206.200 Recovery = 93.46%								
Be 313.107†	579892.5	0.1883	mg/L	0.00390	0.1883	mg/L	0.00390	2.07%
QC value within limits for Be 313.107 Recovery = 94.17%								
Sb 206.836†	12353.4	4.727	mg/L	0.0983	4.727	mg/L	0.0983	2.08%
QC value within limits for Sb 206.836 Recovery = 94.54%								
Tl 190.801†	5179.9	4.714	mg/L	0.0939	4.714	mg/L	0.0939	1.99%
QC value within limits for Tl 190.801 Recovery = 94.27%								
Co 228.616†	23375.1	0.9409	mg/L	0.02196	0.9409	mg/L	0.02196	2.33%
QC value within limits for Co 228.616 Recovery = 94.09%								
Mn 257.610†	310549.8	0.9414	mg/L	0.02026	0.9414	mg/L	0.02026	2.15%
QC value within limits for Mn 257.610 Recovery = 94.14%								
V 292.402†	84814.0	0.9277	mg/L	0.01672	0.9277	mg/L	0.01672	1.80%
QC value within limits for V 292.402 Recovery = 92.77%								

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K 766.490†	360.4	9.645 mg/L	0.2826	9.645 mg/L	0.2826	2.93%
QC value within limits for K 766.490 Recovery = 96.45%						
Na 330.237	4845.4	9.930 mg/L	0.0544	9.930 mg/L	0.0544	0.55%
QC value within limits for Na 330.237 Recovery = 99.30%						
Al 308.215†	86136.3	9.249 mg/L	0.1790	9.249 mg/L	0.1790	1.94%
QC value within limits for Al 308.215 Recovery = 92.49%						
Fe 273.955†	108095.2	9.410 mg/L	0.1500	9.410 mg/L	0.1500	1.59%
QC value within limits for Fe 273.955 Recovery = 94.10%						
Ca 315.887†	8586.0	9.603 mg/L	0.0638	9.603 mg/L	0.0638	0.66%
QC value within limits for Ca 315.887 Recovery = 96.03%						
Mg 279.077†	2935.9	9.547 mg/L	0.0337	9.547 mg/L	0.0337	0.35%
QC value within limits for Mg 279.077 Recovery = 95.47%						

All analytes passed QC.

Sequence No.: 13 **Autosampler Location: 6**
Sample ID: CCB **Date Collected: 11/22/04 6:26:44 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:38 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	383989.7	113.3	%	0.70				0.61%
Sc 361.383	759977.6	113.5	%	0.70				0.61%
As 188.979†	1.3	0.0030	mg/L	0.00484	0.0030	mg/L	0.00484	160.77%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-0.0	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Cd 226.502†	5.1	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	36.51%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Cr 267.716†	5.7	0.0001	mg/L	0.00048	0.0001	mg/L	0.00048	430.01%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Pb 220.353†	-1.8	-0.0005	mg/L	0.00056	-0.0005	mg/L	0.00056	110.22%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Se 196.026†	0.9	0.0009	mg/L	0.00258	0.0009	mg/L	0.00258	279.98%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068†	183.2	0.0019	mg/L	0.00046	0.0019	mg/L	0.00046	24.80%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Cu 327.393†	278.8	0.0031	mg/L	0.00109	0.0031	mg/L	0.00109	35.37%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	8.2	0.0004	mg/L	0.00023	0.0004	mg/L	0.00023	54.47%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	-0.4	0.0000	mg/L	0.00014	0.0000	mg/L	0.00014	481.68%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Be 313.107†	-391.8	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	12.53%
QC value within limits for Be 313.107 Recovery = Not calculated								
Sb 206.836†	-2.5	-0.0010	mg/L	0.00169	-0.0010	mg/L	0.00169	176.70%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Tl 190.801†	3.3	0.0030	mg/L	0.00031	0.0030	mg/L	0.00031	10.21%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Co 228.616†	1.3	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	166.57%
QC value within limits for Co 228.616 Recovery = Not calculated								
Mn 257.610†	22.7	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	23.77%
QC value within limits for Mn 257.610 Recovery = Not calculated								
V 292.402†	-2.1	0.0000	mg/L	0.00038	0.0000	mg/L	0.00038	>999.9%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	0.2	0.0052	mg/L	0.03650	0.0052	mg/L	0.03650	706.14%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	47.5	0.0973	mg/L	0.21511	0.0973	mg/L	0.21511	221.06%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	334.9	0.0360	mg/L	0.00166	0.0360	mg/L	0.00166	4.63%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	64.8	0.0056	mg/L	0.00049	0.0056	mg/L	0.00049	8.62%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	0.5	0.0006	mg/L	0.00239	0.0006	mg/L	0.00239	416.62%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	-1.6	-0.0053	mg/L	0.00711	-0.0053	mg/L	0.00711	134.29%
QC value within limits for Mg 279.077 Recovery = Not calculated								

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All analytes passed QC.

Sequence No.: 14 **Autosampler Location: 29**
Sample ID: mb sp751 **Date Collected: 11/22/04 6:31:56 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:40 AM,**

Mean Data: mb sp751

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	376197.2	111.0	%	1.54				1.39%
Sc 361.383	745435.9	111.4	%	1.17				1.05%
As 188.979†	0.2	0.0004	mg/L	0.00798	0.0004	mg/L	0.00798	>999.9%
Ba 233.527†	1.8	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	53.34%
Cd 226.502†	2.5	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	146.18%
Cr 267.716†	12.2	0.0002	mg/L	0.00072	0.0002	mg/L	0.00072	303.92%
Pb 220.353†	-2.1	-0.0006	mg/L	0.00026	-0.0006	mg/L	0.00026	43.52%
Se 196.026†	-0.1	-0.0001	mg/L	0.00166	-0.0001	mg/L	0.00166	>999.9%
Ag 328.068†	-1.0	0.0000	mg/L	0.00029	0.0000	mg/L	0.00029	>999.9%
Cu 327.393†	124.3	0.0014	mg/L	0.00012	0.0014	mg/L	0.00012	8.48%
Ni 231.604†	9.3	0.0005	mg/L	0.00002	0.0005	mg/L	0.00002	4.87%
Zn 206.200†	4.0	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	38.51%
Be 313.107†	-242.9	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	20.17%
Sb 206.836†	2.1	0.0008	mg/L	0.00071	0.0008	mg/L	0.00071	86.78%
Tl 190.801†	3.0	0.0028	mg/L	0.00350	0.0028	mg/L	0.00350	126.47%
Co 228.616†	-13.5	-0.0005	mg/L	0.00003	-0.0005	mg/L	0.00003	6.11%
Mn 257.610†	34.9	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	10.56%
V 292.402†	33.0	0.0004	mg/L	0.00043	0.0004	mg/L	0.00043	119.10%
K 766.490†	-0.7	-0.0199	mg/L	0.02681	-0.0199	mg/L	0.02681	134.58%
Na 330.237	5.5	0.0112	mg/L	0.19276	0.0112	mg/L	0.19276	>999.9%
Al 308.215†	415.2	0.0446	mg/L	0.00186	0.0446	mg/L	0.00186	4.17%
Fe 273.955†	3.5	0.0003	mg/L	0.00049	0.0003	mg/L	0.00049	160.08%
Ca 315.887†	-6.6	-0.0074	mg/L	0.00289	-0.0074	mg/L	0.00289	39.21%
Mg 279.077†	-2.3	-0.0074	mg/L	0.00823	-0.0074	mg/L	0.00823	110.62%

Sequence No.: 15 **Autosampler Location: 30**
Sample ID: 124953-1 **Date Collected: 11/22/04 6:37:03 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:42 AM,**

Mean Data: 124953-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	339215.5	100.1	%	1.02				1.02%
Sc 361.383	704560.2	105.3	%	1.29				1.22%
As 188.979†	-0.6	-0.0014	mg/L	0.00795	-0.0014	mg/L	0.00795	551.20%
Ba 233.527†	816.1	0.0305	mg/L	0.00015	0.0305	mg/L	0.00015	0.50%
Cd 226.502†	86.7	0.0017	mg/L	0.00028	0.0017	mg/L	0.00028	16.81%
Cr 267.716†	7226.1	0.1409	mg/L	0.00272	0.1409	mg/L	0.00272	1.93%
Pb 220.353†	-5.7	-0.0016	mg/L	0.00198	-0.0016	mg/L	0.00198	120.48%
Se 196.026†	-8.6	-0.0088	mg/L	0.00431	-0.0088	mg/L	0.00431	48.83%
Ag 328.068†	-273.6	-0.0028	mg/L	0.00045	-0.0028	mg/L	0.00045	16.08%
Cu 327.393†	83035.2	0.9144	mg/L	0.02005	0.9144	mg/L	0.02005	2.19%
Ni 231.604†	6276.2	0.3232	mg/L	0.00788	0.3232	mg/L	0.00788	2.44%
Zn 206.200†	2494.2	0.2040	mg/L	0.00127	0.2040	mg/L	0.00127	0.62%
Be 313.107†	2905.8	0.0009	mg/L	0.00002	0.0009	mg/L	0.00002	1.79%
Sb 206.836†	-10.0	-0.0038	mg/L	0.00613	-0.0038	mg/L	0.00613	159.41%
Tl 190.801†	-51.2	-0.0466	mg/L	0.00238	-0.0466	mg/L	0.00238	5.11%
Co 228.616†	4156.6	0.1673	mg/L	0.00164	0.1673	mg/L	0.00164	0.98%
Mn 257.610†	509757.3	1.545	mg/L	0.0042	1.545	mg/L	0.0042	0.27%
V 292.402†	56169.8	0.6144	mg/L	0.01208	0.6144	mg/L	0.01208	1.97%
K 766.490†	32.8	0.8781	mg/L	0.06651	0.8781	mg/L	0.06651	7.57%
Na 330.237	7757.4	15.90	mg/L	0.350	15.90	mg/L	0.350	2.20%
Al 308.215†	1261884.0	135.5	mg/L	0.21	135.5	mg/L	0.21	0.15%
Fe 273.955†	3233816.9	281.5	mg/L	0.62	281.5	mg/L	0.62	0.22%

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Ca 315.887†	79556.5	88.98	mg/L	0.769	88.98	mg/L	0.769	0.86%
Mg 279.077†	38185.8	124.2	mg/L	0.97	124.2	mg/L	0.97	0.78%

Sequence No.: 16 **Autosampler Location: 31**
Sample ID: 124953-2 **Date Collected: 11/22/04 6:42:40 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:44 AM,**

Mean Data: 124953-2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	367088.2	108.3	%	2.57				2.37%
Sc 361.383	732311.3	109.4	%	2.75				2.51%
As 188.979†	5.8	0.0130	mg/L	0.00400	0.0130	mg/L	0.00400	30.76%
Ba 233.527†	5490.7	0.2052	mg/L	0.00399	0.2052	mg/L	0.00399	1.95%
Cd 226.502†	58.7	0.0011	mg/L	0.00004	0.0011	mg/L	0.00004	3.51%
Cr 267.716†	2358.5	0.0460	mg/L	0.00159	0.0460	mg/L	0.00159	3.45%
Pb 220.353†	258.9	0.0741	mg/L	0.00331	0.0741	mg/L	0.00331	4.46%
Se 196.026†	-2.4	-0.0024	mg/L	0.00128	-0.0024	mg/L	0.00128	52.34%
Ag 328.068†	-59.5	-0.0006	mg/L	0.00047	-0.0006	mg/L	0.00047	76.90%
Cu 327.393†	12987.3	0.1430	mg/L	0.00292	0.1430	mg/L	0.00292	2.05%
Ni 231.604†	1456.2	0.0750	mg/L	0.00124	0.0750	mg/L	0.00124	1.66%
Zn 206.200†	4095.0	0.3350	mg/L	0.00618	0.3350	mg/L	0.00618	1.85%
Be 313.107†	1325.5	0.0004	mg/L	0.00000	0.0004	mg/L	0.00000	1.06%
Sb 206.836†	-10.6	-0.0041	mg/L	0.00234	-0.0041	mg/L	0.00234	57.70%
Tl 190.801†	-9.5	-0.0086	mg/L	0.00129	-0.0086	mg/L	0.00129	14.93%
Co 228.616†	861.3	0.0347	mg/L	0.00084	0.0347	mg/L	0.00084	2.43%
Mn 257.610†	377249.5	1.144	mg/L	0.0027	1.144	mg/L	0.0027	0.24%
V 292.402†	13165.5	0.1440	mg/L	0.00191	0.1440	mg/L	0.00191	1.33%
K 766.490†	131.0	3.506	mg/L	0.0889	3.506	mg/L	0.0889	2.54%
Na 330.237	753.0	1.543	mg/L	0.1839	1.543	mg/L	0.1839	11.92%
Al 308.215†	359955.2	38.65	mg/L	0.075	38.65	mg/L	0.075	0.19%
Fe 273.955†	975755.2	84.94	mg/L	0.147	84.94	mg/L	0.147	0.17%
Ca 315.887†	14639.0	16.37	mg/L	0.492	16.37	mg/L	0.492	3.01%
Mg 279.077†	6255.8	20.34	mg/L	0.569	20.34	mg/L	0.569	2.80%

Sequence No.: 17 **Autosampler Location: 32**
Sample ID: 124956-1 **Date Collected: 11/22/04 6:48:17 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:46 AM,**

Mean Data: 124956-1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	304769.3	89.93	%	6.749				7.50%
Sc 361.383	533109.6	79.64	%	7.734				9.71%
As 188.979†	18.5	0.0416	mg/L	0.01167	0.0416	mg/L	0.01167	28.04%
Ba 233.527†	15058.1	0.5629	mg/L	0.02308	0.5629	mg/L	0.02308	4.10%
Cd 226.502†	2394.6	0.0466	mg/L	0.00086	0.0466	mg/L	0.00086	1.86%
Cr 267.716†	13171.2	0.2569	mg/L	0.01079	0.2569	mg/L	0.01079	4.20%
Pb 220.353†	2197381.8	629.2	mg/L	11.07	629.2	mg/L	11.07	1.76%
Se 196.026†	1.6	0.0017	mg/L	0.00744	0.0017	mg/L	0.00744	441.99%
Ag 328.068†	140.9	0.0014	mg/L	0.00021	0.0014	mg/L	0.00021	14.77%
Cu 327.393†	83723.3	0.9220	mg/L	0.02138	0.9220	mg/L	0.02138	2.32%
Ni 231.604†	4580.7	0.2359	mg/L	0.01014	0.2359	mg/L	0.01014	4.30%
Zn 206.200†	1467165.9	120.0	mg/L	2.15	120.0	mg/L	2.15	1.79%
Be 313.107†	-598.2	-0.0002	mg/L	0.00007	-0.0002	mg/L	0.00007	35.78%
Sb 206.836†	-15.0	-0.0057	mg/L	0.00543	-0.0057	mg/L	0.00543	94.73%
Tl 190.801†	29.4	0.0267	mg/L	0.00214	0.0267	mg/L	0.00214	8.02%
Co 228.616†	15371.3	0.6187	mg/L	0.02587	0.6187	mg/L	0.02587	4.18%
Mn 257.610†	2931303.4	8.886	mg/L	0.1629	8.886	mg/L	0.1629	1.83%
V 292.402†	6061.3	0.0663	mg/L	0.00129	0.0663	mg/L	0.00129	1.94%
K 766.490†	67.3	1.801	mg/L	0.1478	1.801	mg/L	0.1478	8.21%
Na 330.237	-3545.5	-7.266	mg/L	0.7206	-7.266	mg/L	0.7206	9.92%
Al 308.215†	168275.1	18.07	mg/L	0.428	18.07	mg/L	0.428	2.37%

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Fe 273.955†	14757840.4	1285 mg/L	12.5	1285 mg/L	12.5	0.98%
Ca 315.887†	58644.6	65.59 mg/L	4.647	65.59 mg/L	4.647	7.08%
Mg 279.077†	2717.9	8.838 mg/L	0.6448	8.838 mg/L	0.6448	7.30%

Sequence No.: 18 **Autosampler Location: 33**
Sample ID: 124958-1 **Date Collected: 11/22/04 6:54:08 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:48 AM,**

Mean Data: 124958-1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	361352.0	106.6	%	0.75				0.70%
Sc 361.383	769667.1	115.0	%	0.85				0.74%
As 188.979†	22.4	0.0505	mg/L	0.00661	0.0505	mg/L	0.00661	13.08%
Ba 233.527†	65135.0	2.435	mg/L	0.0023	2.435	mg/L	0.0023	0.10%
Cd 226.502†	154.2	0.0030	mg/L	0.00014	0.0030	mg/L	0.00014	4.80%
Cr 267.716†	18213.9	0.3552	mg/L	0.00120	0.3552	mg/L	0.00120	0.34%
Pb 220.353†	1151.1	0.3296	mg/L	0.05638	0.3296	mg/L	0.05638	17.10%
Se 196.026†	-2.7	-0.0028	mg/L	0.00567	-0.0028	mg/L	0.00567	202.12%
Ag 328.068†	-242.9	-0.0025	mg/L	0.00073	-0.0025	mg/L	0.00073	29.71%
Cu 327.393†	34607.0	0.3811	mg/L	0.00117	0.3811	mg/L	0.00117	0.31%
Ni 231.604†	8149.8	0.4197	mg/L	0.00116	0.4197	mg/L	0.00116	0.28%
Zn 206.200†	5450.6	0.4459	mg/L	0.01835	0.4459	mg/L	0.01835	4.12%
Be 313.107†	9603.5	0.0031	mg/L	0.00001	0.0031	mg/L	0.00001	0.31%
Sb 206.836†	-37.0	-0.0141	mg/L	0.00319	-0.0141	mg/L	0.00319	22.59%
Tl 190.801†	-68.7	-0.0625	mg/L	0.00361	-0.0625	mg/L	0.00361	5.77%
Co 228.616†	4270.2	0.1719	mg/L	0.00040	0.1719	mg/L	0.00040	0.23%
Mn 257.610†	1523607.9	4.618	mg/L	0.0046	4.618	mg/L	0.0046	0.10%
V 292.402†	51934.3	0.5681	mg/L	0.00077	0.5681	mg/L	0.00077	0.14%
K 766.490†	885.5	23.69	mg/L	0.149	23.69	mg/L	0.149	0.63%
Na 330.237	12486.5	25.59	mg/L	0.188	25.59	mg/L	0.188	0.73%
Al 308.215†	1272176.1	136.6	mg/L	0.10	136.6	mg/L	0.10	0.07%
Fe 273.955†	2903487.6	252.7	mg/L	4.13	252.7	mg/L	4.13	1.63%
Ca 315.887†	637399.0	712.9	mg/L	4.84	712.9	mg/L	4.84	0.68%
Mg 279.077†	25104.8	81.63	mg/L	1.530	81.63	mg/L	1.530	1.87%

Sequence No.: 19 **Autosampler Location: 34**
Sample ID: 124958-2 **Date Collected: 11/22/04 6:59:53 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:50 AM,**

Mean Data: 124958-2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	341591.9	100.8	%	0.66				0.66%
Sc 361.383	730566.7	109.1	%	0.72				0.66%
As 188.979†	57.0	0.1286	mg/L	0.00463	0.1286	mg/L	0.00463	3.60%
Ba 233.527†	41011.8	1.533	mg/L	0.0048	1.533	mg/L	0.0048	0.32%
Cd 226.502†	144.5	0.0028	mg/L	0.00013	0.0028	mg/L	0.00013	4.64%
Cr 267.716†	25581.3	0.4989	mg/L	0.00015	0.4989	mg/L	0.00015	0.03%
Pb 220.353†	711.6	0.2038	mg/L	0.00476	0.2038	mg/L	0.00476	2.33%
Se 196.026†	3.7	0.0038	mg/L	0.00550	0.0038	mg/L	0.00550	144.11%
Ag 328.068†	-340.0	-0.0035	mg/L	0.00075	-0.0035	mg/L	0.00075	21.81%
Cu 327.393†	52543.7	0.5786	mg/L	0.00151	0.5786	mg/L	0.00151	0.26%
Ni 231.604†	16214.1	0.8350	mg/L	0.00533	0.8350	mg/L	0.00533	0.64%
Zn 206.200†	7683.4	0.6285	mg/L	0.00412	0.6285	mg/L	0.00412	0.66%
Be 313.107†	14708.2	0.0048	mg/L	0.00001	0.0048	mg/L	0.00001	0.19%
Sb 206.836†	-13.5	-0.0052	mg/L	0.00148	-0.0052	mg/L	0.00148	28.73%
Tl 190.801†	-72.1	-0.0656	mg/L	0.00161	-0.0656	mg/L	0.00161	2.46%
Co 228.616†	6315.3	0.2542	mg/L	0.00095	0.2542	mg/L	0.00095	0.38%
Mn 257.610†	1623793.4	4.922	mg/L	0.0131	4.922	mg/L	0.0131	0.27%
V 292.402†	58160.0	0.6362	mg/L	0.00145	0.6362	mg/L	0.00145	0.23%
K 766.490†	781.5	20.91	mg/L	0.213	20.91	mg/L	0.213	1.02%
Na 330.237	11812.7	24.21	mg/L	0.511	24.21	mg/L	0.511	2.11%

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Al 308.215†	1094313.0	117.5 mg/L	0.33	117.5 mg/L	0.33	0.28%
Fe 273.955†	2931735.5	255.2 mg/L	0.76	255.2 mg/L	0.76	0.30%
Ca 315.887†	684165.6	765.2 mg/L	10.81	765.2 mg/L	10.81	1.41%
Mg 279.077†	29697.9	96.57 mg/L	0.487	96.57 mg/L	0.487	0.50%

Sequence No.: 20 **Autosampler Location: 35**
Sample ID: 124958-3 **Date Collected: 11/22/04 7:05:39 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:52 AM,**

Mean Data: 124958-3

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	342083.6	100.9	%	1.55				1.53%
Sc 361.383	734693.5	109.8	%	1.80				1.64%
As 188.979†	27.6	0.0623	mg/L	0.01234	0.0623	mg/L	0.01234	19.81%
Ba 233.527†	37652.0	1.407	mg/L	0.0037	1.407	mg/L	0.0037	0.26%
Cd 226.502†	217.4	0.0042	mg/L	0.00007	0.0042	mg/L	0.00007	1.70%
Cr 267.716†	26307.7	0.5131	mg/L	0.00147	0.5131	mg/L	0.00147	0.29%
Pb 220.353†	1274.1	0.3648	mg/L	0.00338	0.3648	mg/L	0.00338	0.93%
Se 196.026†	0.9	0.0009	mg/L	0.00288	0.0009	mg/L	0.00288	310.66%
Ag 328.068†	-169.4	-0.0017	mg/L	0.00011	-0.0017	mg/L	0.00011	6.60%
Cu 327.393†	208239.7	2.293	mg/L	0.0060	2.293	mg/L	0.0060	0.26%
Ni 231.604†	9235.2	0.4756	mg/L	0.00656	0.4756	mg/L	0.00656	1.38%
Zn 206.200†	16893.9	1.382	mg/L	0.0195	1.382	mg/L	0.0195	1.41%
Be 313.107†	11263.4	0.0037	mg/L	0.00000	0.0037	mg/L	0.00000	0.11%
Sb 206.836†	130.2	0.0498	mg/L	0.00265	0.0498	mg/L	0.00265	5.31%
Tl 190.801†	-78.3	-0.0712	mg/L	0.00333	-0.0712	mg/L	0.00333	4.68%
Co 228.616†	5163.1	0.2078	mg/L	0.00267	0.2078	mg/L	0.00267	1.28%
Mn 257.610†	1971802.0	5.977	mg/L	0.0026	5.977	mg/L	0.0026	0.04%
V 292.402†	65492.8	0.7164	mg/L	0.00062	0.7164	mg/L	0.00062	0.09%
K 766.490†	499.0	13.35	mg/L	0.193	13.35	mg/L	0.193	1.44%
Na 330.237	4520.8	9.265	mg/L	0.2582	9.265	mg/L	0.2582	2.79%
Al 308.215†	1033851.7	111.0	mg/L	0.07	111.0	mg/L	0.07	0.06%
Fe 273.955†	3106671.8	270.4	mg/L	2.71	270.4	mg/L	2.71	1.00%
Ca 315.887†	1300802.6	1455	mg/L	31.9	1455	mg/L	31.9	2.19%
Mg 279.077†	22759.9	74.01	mg/L	0.765	74.01	mg/L	0.765	1.03%

Sequence No.: 21 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/22/04 7:11:25 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:54 AM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	389335.8	114.9	%	8.28				7.21%
Sc 361.383	775955.7	115.9	%	5.76				4.97%
As 188.979†	412.2	0.9297	mg/L	0.07378	0.9297	mg/L	0.07378	7.94%
QC value within limits for As 188.979 Recovery = 92.97%								
Ba 233.527†	12367.2	0.4623	mg/L	0.03539	0.4623	mg/L	0.03539	7.66%
QC value within limits for Ba 233.527 Recovery = 92.46%								
Cd 226.502†	23885.8	0.4646	mg/L	0.03865	0.4646	mg/L	0.03865	8.32%
QC value within limits for Cd 226.502 Recovery = 92.91%								
Cr 267.716†	47611.9	0.9286	mg/L	0.08143	0.9286	mg/L	0.08143	8.77%
QC value within limits for Cr 267.716 Recovery = 92.86%								
Pb 220.353†	3335.0	0.9550	mg/L	0.06311	0.9550	mg/L	0.06311	6.61%
QC value within limits for Pb 220.353 Recovery = 95.50%								
Se 196.026†	4519.3	4.655	mg/L	0.3006	4.655	mg/L	0.3006	6.46%
QC value within limits for Se 196.026 Recovery = 93.11%								
Ag 328.068†	92964.4	0.9460	mg/L	0.07970	0.9460	mg/L	0.07970	8.42%
QC value within limits for Ag 328.068 Recovery = 94.60%								
Cu 327.393†	84508.5	0.9306	mg/L	0.08169	0.9306	mg/L	0.08169	8.78%
QC value within limits for Cu 327.393 Recovery = 93.06%								
Ni 231.604†	18198.9	0.9372	mg/L	0.07170	0.9372	mg/L	0.07170	7.65%

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QC value within limits for Ni 231.604 Recovery = 93.72%						
Zn 206.200†	11339.0	0.9275 mg/L	0.06772	0.9275 mg/L	0.06772	7.30%
QC value within limits for Zn 206.200 Recovery = 92.75%						
Be 313.107†	575462.7	0.1869 mg/L	0.01583	0.1869 mg/L	0.01583	8.47%
QC value within limits for Be 313.107 Recovery = 93.45%						
Sb 206.836†	12262.5	4.692 mg/L	0.3483	4.692 mg/L	0.3483	7.42%
QC value within limits for Sb 206.836 Recovery = 93.84%						
Tl 190.801†	5158.8	4.694 mg/L	0.3619	4.694 mg/L	0.3619	7.71%
QC value within limits for Tl 190.801 Recovery = 93.89%						
Co 228.616†	23356.9	0.9402 mg/L	0.08319	0.9402 mg/L	0.08319	8.85%
QC value within limits for Co 228.616 Recovery = 94.02%						
Mn 257.610†	309659.8	0.9387 mg/L	0.08273	0.9387 mg/L	0.08273	8.81%
QC value within limits for Mn 257.610 Recovery = 93.87%						
V 292.402†	84453.3	0.9238 mg/L	0.07897	0.9238 mg/L	0.07897	8.55%
QC value within limits for V 292.402 Recovery = 92.38%						
K 766.490†	366.3	9.802 mg/L	0.7914	9.802 mg/L	0.7914	8.07%
QC value within limits for K 766.490 Recovery = 98.02%						
Na 330.237	4703.0	9.638 mg/L	0.0243	9.638 mg/L	0.0243	0.25%
QC value within limits for Na 330.237 Recovery = 96.38%						
Al 308.215†	85993.9	9.234 mg/L	0.7837	9.234 mg/L	0.7837	8.49%
QC value within limits for Al 308.215 Recovery = 92.34%						
Fe 273.955†	108190.8	9.418 mg/L	0.7821	9.418 mg/L	0.7821	8.30%
QC value within limits for Fe 273.955 Recovery = 94.18%						
Ca 315.887†	8777.6	9.817 mg/L	0.8010	9.817 mg/L	0.8010	8.16%
QC value within limits for Ca 315.887 Recovery = 98.17%						
Mg 279.077†	2967.4	9.649 mg/L	0.7669	9.649 mg/L	0.7669	7.95%
QC value within limits for Mg 279.077 Recovery = 96.49%						

All analytes passed QC.

Sequence No.: 22 **Autosampler Location: 6**
Sample ID: CCB **Date Collected: 11/22/04 7:17:00 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:31:57 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	395963.0	116.8	%	1.33				1.14%
Sc 361.383	784072.8	117.1	%	1.41				1.20%
As 188.979†	2.2	0.0049	mg/L	0.00387	0.0049	mg/L	0.00387	78.60%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	3.9	0.0001	mg/L	0.00021	0.0001	mg/L	0.00021	142.82%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Cd 226.502†	8.2	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	16.25%
QC value within limits for Cd 226.502 Recovery = Not calculated								
Cr 267.716†	8.5	0.0002	mg/L	0.00056	0.0002	mg/L	0.00056	335.88%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Pb 220.353†	29.6	0.0085	mg/L	0.00333	0.0085	mg/L	0.00333	39.37%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Se 196.026†	-0.4	-0.0004	mg/L	0.00078	-0.0004	mg/L	0.00078	199.73%
QC value within limits for Se 196.026 Recovery = Not calculated								
Ag 328.068†	183.7	0.0019	mg/L	0.00041	0.0019	mg/L	0.00041	21.89%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Cu 327.393†	238.3	0.0026	mg/L	0.00033	0.0026	mg/L	0.00033	12.40%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Ni 231.604†	11.0	0.0006	mg/L	0.00037	0.0006	mg/L	0.00037	65.12%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Zn 206.200†	7.4	0.0006	mg/L	0.00049	0.0006	mg/L	0.00049	80.31%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Be 313.107†	-364.8	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	17.47%
QC value within limits for Be 313.107 Recovery = Not calculated								
Sb 206.836†	-1.6	-0.0006	mg/L	0.00044	-0.0006	mg/L	0.00044	69.18%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Tl 190.801†	2.8	0.0025	mg/L	0.00142	0.0025	mg/L	0.00142	56.12%
QC value within limits for Tl 190.801 Recovery = Not calculated								
Co 228.616†	-5.7	-0.0002	mg/L	0.00017	-0.0002	mg/L	0.00017	75.23%
QC value within limits for Co 228.616 Recovery = Not calculated								
Mn 257.610†	65.7	0.0002	mg/L	0.00002	0.0002	mg/L	0.00002	9.65%

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QC value within limits for Mn 257.610 Recovery = Not calculated

V 292.402†	1.2	0.0000 mg/L	0.00010	0.0000 mg/L	0.00010	806.55%

QC value within limits for V 292.402 Recovery = Not calculated

K 766.490†	0.2	0.0052 mg/L	0.04501	0.0052 mg/L	0.04501	861.29%

QC value within limits for K 766.490 Recovery = Not calculated

Na 330.237	-42.4	-0.0869 mg/L	0.10666	-0.0869 mg/L	0.10666	122.75%

QC value within limits for Na 330.237 Recovery = Not calculated

Al 308.215†	387.9	0.0417 mg/L	0.00532	0.0417 mg/L	0.00532	12.78%

QC value within limits for Al 308.215 Recovery = Not calculated

Fe 273.955†	153.5	0.0134 mg/L	0.00565	0.0134 mg/L	0.00565	42.25%

QC value within limits for Fe 273.955 Recovery = Not calculated

Ca 315.887†	12.0	0.0134 mg/L	0.00476	0.0134 mg/L	0.00476	35.51%

QC value within limits for Ca 315.887 Recovery = Not calculated

Mg 279.077†	-2.0	-0.0065 mg/L	0.01262	-0.0065 mg/L	0.01262	194.78%

QC value within limits for Mg 279.077 Recovery = Not calculated

All analytes passed QC.

01166

Sequence No.: 1
Sample ID: 124969-4
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 11/22/04 7:28:43 PM

Sample Prep Volume:
Data Type: Reprocessed on 11/23/04 8:32:34 AM,

Mean Data: 124969-4

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	365612.3	107.9	%	1.21				1.12%
Sc 361.383	776018.0	115.9	%	1.51				1.30%
As 188.979†	14.1	0.0318	mg/L	0.00295	0.0318	mg/L	0.00295	9.27%
Ba 233.527†	21815.8	0.8155	mg/L	0.00529	0.8155	mg/L	0.00529	0.65%
Cd 226.502†	96.2	0.0019	mg/L	0.00019	0.0019	mg/L	0.00019	10.08%
Cr 267.716†	4320.0	0.0843	mg/L	0.00105	0.0843	mg/L	0.00105	1.25%
Pb 220.353†	162.0	0.0464	mg/L	0.00042	0.0464	mg/L	0.00042	0.91%
Se 196.026†	5.1	0.0053	mg/L	0.00594	0.0053	mg/L	0.00594	112.81%
Ag 328.068†	-418.8	-0.0043	mg/L	0.00034	-0.0043	mg/L	0.00034	7.91%
Cu 327.393†	9496.9	0.1046	mg/L	0.00135	0.1046	mg/L	0.00135	1.29%
Ni 231.604†	2209.6	0.1138	mg/L	0.00024	0.1138	mg/L	0.00024	0.21%
Zn 206.200†	4184.0	0.3422	mg/L	0.00125	0.3422	mg/L	0.00125	0.36%
Be 313.107†	4811.7	0.0016	mg/L	0.00002	0.0016	mg/L	0.00002	1.12%
Sb 206.836†	-23.3	-0.0089	mg/L	0.00111	-0.0089	mg/L	0.00111	12.41%
Tl 190.801†	-52.8	-0.0481	mg/L	0.00033	-0.0481	mg/L	0.00033	0.68%
Co 228.616†	2434.8	0.0980	mg/L	0.00048	0.0980	mg/L	0.00048	0.49%
Mn 257.610†	1376735.6	4.173	mg/L	0.0027	4.173	mg/L	0.0027	0.06%
V 292.402†	49430.0	0.5407	mg/L	0.00413	0.5407	mg/L	0.00413	0.76%
K 766.490†	359.9	9.631	mg/L	0.0926	9.631	mg/L	0.0926	0.96%
Na 330.237	-1186.8	-2.432	mg/L	0.1435	-2.432	mg/L	0.1435	5.90%
Al 308.215†	646593.0	69.43	mg/L	0.068	69.43	mg/L	0.068	0.10%
Fe 273.955†	2212099.4	192.6	mg/L	0.19	192.6	mg/L	0.19	0.10%
Ca 315.887†	19937.7	22.30	mg/L	0.079	22.30	mg/L	0.079	0.36%
Mg 279.077†	9150.6	29.76	mg/L	0.197	29.76	mg/L	0.197	0.66%

Sequence No.: 2
Sample ID: 124969-6
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 11/22/04 7:34:24 PM

Sample Prep Volume:
Data Type: Reprocessed on 11/23/04 8:32:36 AM,

Mean Data: 124969-6

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	368925.3	108.9	%	1.53				1.41%
Sc 361.383	819845.3	122.5	%	1.77				1.45%
As 188.979†	26.4	0.0595	mg/L	0.00502	0.0595	mg/L	0.00502	8.45%
Ba 233.527†	30214.1	1.129	mg/L	0.0138	1.129	mg/L	0.0138	1.22%
Cd 226.502†	120.7	0.0023	mg/L	0.00028	0.0023	mg/L	0.00028	11.88%
Cr 267.716†	11829.7	0.2307	mg/L	0.00348	0.2307	mg/L	0.00348	1.51%
Pb 220.353†	284.0	0.0813	mg/L	0.00182	0.0813	mg/L	0.00182	2.24%
Se 196.026†	2.4	0.0025	mg/L	0.00243	0.0025	mg/L	0.00243	96.46%
Ag 328.068†	-501.2	-0.0051	mg/L	0.00075	-0.0051	mg/L	0.00075	14.69%
Cu 327.393†	12517.7	0.1378	mg/L	0.00095	0.1378	mg/L	0.00095	0.69%
Ni 231.604†	2349.0	0.1210	mg/L	0.00125	0.1210	mg/L	0.00125	1.03%
Zn 206.200†	5337.4	0.4366	mg/L	0.00320	0.4366	mg/L	0.00320	0.73%
Be 313.107†	9002.4	0.0029	mg/L	0.00007	0.0029	mg/L	0.00007	2.43%
Sb 206.836†	-24.7	-0.0094	mg/L	0.00209	-0.0094	mg/L	0.00209	22.17%
Tl 190.801†	-52.9	-0.0482	mg/L	0.00259	-0.0482	mg/L	0.00259	5.38%
Co 228.616†	2895.1	0.1165	mg/L	0.00077	0.1165	mg/L	0.00077	0.66%
Mn 257.610†	1680718.2	5.095	mg/L	0.0395	5.095	mg/L	0.0395	0.77%
V 292.402†	59966.4	0.6559	mg/L	0.00676	0.6559	mg/L	0.00676	1.03%
K 766.490†	469.2	12.55	mg/L	0.201	12.55	mg/L	0.201	1.60%
Na 330.237	-2419.3	-4.958	mg/L	0.1855	-4.958	mg/L	0.1855	3.74%
Al 308.215†	912850.7	98.02	mg/L	0.884	98.02	mg/L	0.884	0.90%
Fe 273.955†	2810918.6	244.7	mg/L	1.94	244.7	mg/L	1.94	0.79%
Ca 315.887†	31199.1	34.89	mg/L	0.404	34.89	mg/L	0.404	1.16%

01167

Mg 279.077†	10493.3	34.12	mg/L	0.496	34.12	mg/L	0.496	1.45%

Sequence No.: 3 **Autosampler Location: 39**
Sample ID: 124981-1 **Date Collected: 11/22/04 7:40:05 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:32:38 AM,**

Mean Data: 124981-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	369463.0	109.0	%	0.83				0.76%
Sc 361.383	765671.2	114.4	%	1.28				1.12%
As 188.979†	20.2	0.0456	mg/L	0.00594	0.0456	mg/L	0.00594	13.03%
Ba 233.527†	19692.0	0.7361	mg/L	0.00426	0.7361	mg/L	0.00426	0.58%
Cd 226.502†	48.5	0.0009	mg/L	0.00017	0.0009	mg/L	0.00017	17.70%
Cr 267.716†	9549.1	0.1862	mg/L	0.00059	0.1862	mg/L	0.00059	0.32%
Pb 220.353†	383.4	0.1098	mg/L	0.00041	0.1098	mg/L	0.00041	0.38%
Se 196.026†	4.9	0.0051	mg/L	0.00611	0.0051	mg/L	0.00611	120.41%
Ag 328.068†	-188.6	-0.0019	mg/L	0.00005	-0.0019	mg/L	0.00005	2.55%
Cu 327.393†	19726.3	0.2172	mg/L	0.00050	0.2172	mg/L	0.00050	0.23%
Ni 231.604†	4595.1	0.2366	mg/L	0.00158	0.2366	mg/L	0.00158	0.67%
Zn 206.200†	4359.1	0.3566	mg/L	0.00254	0.3566	mg/L	0.00254	0.71%
Be 313.107†	8409.2	0.0027	mg/L	0.00005	0.0027	mg/L	0.00005	1.67%
Sb 206.836†	-0.6	-0.0002	mg/L	0.00085	-0.0002	mg/L	0.00085	349.95%
Tl 190.801†	-15.0	-0.0137	mg/L	0.00450	-0.0137	mg/L	0.00450	32.95%
Co 228.616†	5223.2	0.2102	mg/L	0.00196	0.2102	mg/L	0.00196	0.93%
Mn 257.610†	2130952.9	6.459	mg/L	0.0135	6.459	mg/L	0.0135	0.21%
V 292.402†	27385.2	0.2995	mg/L	0.00232	0.2995	mg/L	0.00232	0.77%
K 766.490†	279.5	7.480	mg/L	0.0594	7.480	mg/L	0.0594	0.79%
Na 330.237	-7.4	-0.0152	mg/L	0.06127	-0.0152	mg/L	0.06127	402.39%
Al 308.215†	1030669.9	110.7	mg/L	0.31	110.7	mg/L	0.31	0.28%
Fe 273.955†	1782425.0	155.2	mg/L	0.28	155.2	mg/L	0.28	0.18%
Ca 315.887†	24781.5	27.72	mg/L	0.599	27.72	mg/L	0.599	2.16%
Mg 279.077†	11524.8	37.48	mg/L	0.829	37.48	mg/L	0.829	2.21%

Sequence No.: 4 **Autosampler Location: 40**
Sample ID: 124988-1 **Date Collected: 11/22/04 7:45:47 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:32:40 AM,**

Mean Data: 124988-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	366532.3	108.2	%	1.25				1.15%
Sc 361.383	750629.4	112.1	%	1.37				1.22%
As 188.979†	21.0	0.0474	mg/L	0.00401	0.0474	mg/L	0.00401	8.46%
Ba 233.527†	14698.1	0.5494	mg/L	0.01501	0.5494	mg/L	0.01501	2.73%
Cd 226.502†	73.4	0.0014	mg/L	0.00008	0.0014	mg/L	0.00008	5.83%
Cr 267.716†	7995.2	0.1559	mg/L	0.00733	0.1559	mg/L	0.00733	4.70%
Pb 220.353†	187.8	0.0538	mg/L	0.00109	0.0538	mg/L	0.00109	2.02%
Se 196.026†	-6.9	-0.0071	mg/L	0.00412	-0.0071	mg/L	0.00412	57.89%
Ag 328.068†	-11.6	-0.0001	mg/L	0.00036	-0.0001	mg/L	0.00036	308.87%
Cu 327.393†	35170.8	0.3873	mg/L	0.01112	0.3873	mg/L	0.01112	2.87%
Ni 231.604†	3786.9	0.1950	mg/L	0.00077	0.1950	mg/L	0.00077	0.39%
Zn 206.200†	11818.6	0.9667	mg/L	0.02662	0.9667	mg/L	0.02662	2.75%
Be 313.107†	4373.2	0.0014	mg/L	0.00004	0.0014	mg/L	0.00004	2.68%
Sb 206.836†	48.7	0.0186	mg/L	0.00196	0.0186	mg/L	0.00196	10.50%
Tl 190.801†	-17.0	-0.0154	mg/L	0.00265	-0.0154	mg/L	0.00265	17.19%
Co 228.616†	1726.0	0.0695	mg/L	0.00063	0.0695	mg/L	0.00063	0.91%
Mn 257.610†	883473.5	2.678	mg/L	0.0012	2.678	mg/L	0.0012	0.04%
V 292.402†	23448.6	0.2565	mg/L	0.00776	0.2565	mg/L	0.00776	3.02%
K 766.490†	129.6	3.469	mg/L	0.1239	3.469	mg/L	0.1239	3.57%
Na 330.237	706.4	1.448	mg/L	0.0990	1.448	mg/L	0.0990	6.84%
Al 308.215†	716296.3	76.91	mg/L	0.099	76.91	mg/L	0.099	0.13%
Fe 273.955†	1391816.5	121.2	mg/L	0.07	121.2	mg/L	0.07	0.06%

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Ca 315.887†	255099.6	285.3 mg/L	4.76	285.3 mg/L	4.76	1.67%
Mg 279.077†	13984.3	45.47 mg/L	0.611	45.47 mg/L	0.611	1.34%

01169

Sequence No.: 1 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 11/22/04 8:23:53 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:35:29 AM,**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	311192.2	91.82	%	3.946				4.30%
Sc 361.383	619532.9	92.55	%	2.244				2.42%
As 188.979	-1.0	-0.0023	mg/L	C.00621	-0.0023	mg/L	0.00621	265.54%
QC value less than the lower limit for As 188.979 Recovery = Not calculated								
Ba 233.527	311.2	0.0116	mg/L	C.00018	0.0116	mg/L	0.00018	1.54%
QC value greater than the upper limit for Ba 233.527 Recovery = Not calculated								
Cd 226.502	135.3	0.0026	mg/L	C.00016	0.0026	mg/L	0.00016	5.92%
QC value greater than the upper limit for Cd 226.502 Recovery = Not calculated								
Cr 267.716	64.1	0.0013	mg/L	C.00022	0.0013	mg/L	0.00022	17.96%
QC value greater than the upper limit for Cr 267.716 Recovery = Not calculated								
Pb 220.353	-24.6	-0.0070	mg/L	C.00028	-0.0070	mg/L	0.00028	3.97%
QC value less than the lower limit for Pb 220.353 Recovery = Not calculated								
Se 196.026	-8.3	-0.0086	mg/L	C.00658	-0.0086	mg/L	0.00658	76.74%
QC value less than the lower limit for Se 196.026 Recovery = Not calculated								
Ag 328.068	51.7	0.0005	mg/L	C.00024	0.0005	mg/L	0.00024	46.53%
QC value greater than the upper limit for Ag 328.068 Recovery = Not calculated								
Cu 327.393	-792.5	-0.0087	mg/L	0.00039	-0.0087	mg/L	0.00039	4.49%
QC value less than the lower limit for Cu 327.393 Recovery = Not calculated								
Ni 231.604	-44.6	-0.0023	mg/L	0.00026	-0.0023	mg/L	0.00026	11.30%
QC value less than the lower limit for Ni 231.604 Recovery = Not calculated								
Zn 206.200	145.8	0.0119	mg/L	0.00033	0.0119	mg/L	0.00033	2.80%
QC value greater than the upper limit for Zn 206.200 Recovery = Not calculated								
Be 313.107	20.0	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	50.26%
QC value greater than the upper limit for Be 313.107 Recovery = Not calculated								
Sb 206.836	-22.9	-0.0087	mg/L	0.00305	-0.0087	mg/L	0.00305	34.83%
QC value less than the lower limit for Sb 206.836 Recovery = Not calculated								
Tl 190.801	-8.7	-0.0079	mg/L	0.00075	-0.0079	mg/L	0.00075	9.53%
QC value less than the lower limit for Tl 190.801 Recovery = Not calculated								
Co 228.616	-20.8	-0.0008	mg/L	0.00012	-0.0008	mg/L	0.00012	14.55%
QC value less than the lower limit for Co 228.616 Recovery = Not calculated								
Mn 257.610	2360.5	0.0072	mg/L	0.00020	0.0072	mg/L	0.00020	2.82%
QC value greater than the upper limit for Mn 257.610 Recovery = Not calculated								
V 292.402	188.9	0.0021	mg/L	0.00015	0.0021	mg/L	0.00015	7.48%
QC value greater than the upper limit for V 292.402 Recovery = Not calculated								
K 766.490	18.9	0.5059	mg/L	0.02538	0.5059	mg/L	0.02538	5.02%
QC value greater than the upper limit for K 766.490 Recovery = Not calculated								
Na 330.237	47062.1	96.45	mg/L	3.451	96.45	mg/L	3.451	3.58%
QC value within limits for Na 330.237 Recovery = 96.45%								
Al 308.215	880094.6	94.50	mg/L	3.448	94.50	mg/L	3.448	3.65%
QC value within limits for Al 308.215 Recovery = 78.75%								
Fe 273.955	4070985.7	354.4	mg/L	11.29	354.4	mg/L	11.29	3.18%
QC value within limits for Fe 273.955 Recovery = 70.88%								
Ca 315.887	414266.7	463.3	mg/L	26.44	463.3	mg/L	26.44	5.71%
QC value within limits for Ca 315.887 Recovery = 77.22%								
Mg 279.077	70010.4	227.7	mg/L	12.59	227.7	mg/L	12.59	5.53%
QC value within limits for Mg 279.077 Recovery = 75.88%								

QC Failed. Continue with analysis.

Sequence No.: 2 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 11/22/04 8:29:34 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/23/04 8:35:30 AM,**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

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Lu 261.542	329729.6	97.29 %	0.894			0.92%
Sc 361.383	640405.4	95.67 %	2.100			2.19%
As 188.979	3494.7	7.882 mg/L	0.0244	7.882 mg/L	0.0244	0.31%
QC value within limits for As 188.979 Recovery = 78.82%						
Ba 233.527	61341.1	2.293 mg/L	0.0626	2.293 mg/L	0.0626	2.73%
QC value within limits for Ba 233.527 Recovery = 76.43%						
Cd 226.502	112146.3	2.181 mg/L	0.0569	2.181 mg/L	0.0569	2.61%
QC value within limits for Cd 226.502 Recovery = 72.71%						
Cr 267.716	116924.9	2.280 mg/L	0.0621	2.280 mg/L	0.0621	2.72%
QC value within limits for Cr 267.716 Recovery = 76.01%						
Pb 220.353	26684.3	7.641 mg/L	0.1981	7.641 mg/L	0.1981	2.59%
QC value within limits for Pb 220.353 Recovery = 76.41%						
Se 196.026	3607.3	3.716 mg/L	0.0088	3.716 mg/L	0.0088	0.24%
QC value within limits for Se 196.026 Recovery = 74.32%						
Ag 328.068	237819.6	2.420 mg/L	0.0667	2.420 mg/L	0.0667	2.76%
QC value within limits for Ag 328.068 Recovery = 80.67%						
Cu 327.393	219580.3	2.418 mg/L	0.0708	2.418 mg/L	0.0708	2.93%
QC value within limits for Cu 327.393 Recovery = 80.60%						
Ni 231.604	41991.4	2.162 mg/L	0.0588	2.162 mg/L	0.0588	2.72%
QC value within limits for Ni 231.604 Recovery = 72.08%						
Zn 206.200	25797.9	2.110 mg/L	0.0542	2.110 mg/L	0.0542	2.57%
QC value within limits for Zn 206.200 Recovery = 70.34%						
Be 313.107	2389982.7	0.7763 mg/L	0.00490	0.7763 mg/L	0.00490	0.63%
QC value within limits for Be 313.107 Recovery = 77.63%						
Sb 206.836	19659.6	7.523 mg/L	0.2605	7.523 mg/L	0.2605	3.46%
QC value within limits for Sb 206.836 Recovery = 75.23%						
Tl 190.801	8058.7	7.333 mg/L	0.0120	7.333 mg/L	0.0120	0.16%
QC value within limits for Tl 190.801 Recovery = 73.33%						
Co 228.616	54753.7	2.204 mg/L	0.0605	2.204 mg/L	0.0605	2.75%
QC value within limits for Co 228.616 Recovery = 73.47%						
Mn 257.610	504811.7	1.530 mg/L	0.0422	1.530 mg/L	0.0422	2.76%
QC value within limits for Mn 257.610 Recovery = 76.51%						
V 292.402	218932.6	2.395 mg/L	0.0691	2.395 mg/L	0.0691	2.89%
QC value within limits for V 292.402 Recovery = 79.82%						
K 766.490	6783.1	181.5 mg/L	6.26	181.5 mg/L	6.26	3.45%
QC value within limits for K 766.490 Recovery = 90.75%						
Na 330.237	48823.3	100.1 mg/L	3.32	100.1 mg/L	3.32	3.31%
QC value within limits for Na 330.237 Recovery = 100.06%						
Al 308.215	932274.7	100.1 mg/L	0.76	100.1 mg/L	0.76	0.76%
QC value within limits for Al 308.215 Recovery = 83.42%						
Fe 273.955	4220548.5	367.4 mg/L	2.53	367.4 mg/L	2.53	0.69%
QC value within limits for Fe 273.955 Recovery = 73.48%						
Ca 315.887	429106.4	479.9 mg/L	6.03	479.9 mg/L	6.03	1.26%
QC value within limits for Ca 315.887 Recovery = 79.98%						
Mg 279.077	72680.9	236.3 mg/L	2.63	236.3 mg/L	2.63	1.11%
QC value within limits for Mg 279.077 Recovery = 78.78%						

All analytes passed QC.

011171

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 11/24/04 7:01:20 AM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:20:01 AM,

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542	349062.4	3685.34	1.06%	100.0	%
Sc 361.383	713180.8	7401.58	1.04%	100.0	%
Ni 231.604†	-13.3	7.63	57.33%	[0.00]	mg/L
Co 228.616†	-2.0	9.80	499.08%	[0.00]	mg/L
V 292.402†	102.0	22.17	21.72%	[0.00]	mg/L
K 766.490†	1.9	0.46	24.68%	[0.00]	mg/L
Na 330.237	105.8	72.20	68.24%	[0.00]	mg/L
Al 308.215†	-202.3	56.15	27.76%	[0.00]	mg/L
Fe 273.955†	-55.9	7.08	12.65%	[0.00]	mg/L
Ca 315.887†	-12.0	6.59	54.74%	[0.00]	mg/L
Mg 279.077†	-23.4	0.98	4.19%	[0.00]	mg/L

Sequence No.: 2
Sample ID: High Standard
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 11/24/04 7:07:36 AM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:20:01 AM,

Mean Data: High Standard

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542	354914.2	8058.28	2.27%	101.7	%
Sc 361.383	728879.5	13956.34	1.91%	102.2	%
Ni 231.604†	54731.5	1253.57	2.29%	[2.00]	mg/L
Co 228.616†	69779.8	1697.48	2.43%	[2.00]	mg/L
V 292.402†	237516.5	5428.56	2.29%	[2.00]	mg/L
K 766.490†	1051.0	22.64	2.15%	[20.0]	mg/L
Na 330.237	12595.5	45.02	0.36%	[20.0]	mg/L
Al 308.215†	237720.0	5023.56	2.11%	[20.0]	mg/L
Fe 273.955†	317652.5	7135.96	2.25%	[20.0]	mg/L
Ca 315.887†	34416.1	879.46	2.56%	[20.0]	mg/L
Mg 279.077†	9432.4	240.82	2.55%	[20.0]	mg/L

Sequence No.: 3
Sample ID: ICV
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 11/24/04 7:18:06 AM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:20:02 AM,

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	363906.9	104.3	%	1.39				1.33%
Sc 361.383	748263.4	104.9	%	1.40				1.34%
Ni 231.604†	11364.2	0.4153	mg/L	0.00492	0.4153	mg/L	0.00492	1.18%
QC value within limits for Ni 231.604 Recovery = 103.82%								
Co 228.616†	17797.1	0.5101	mg/L	0.00595	0.5101	mg/L	0.00595	1.17%
QC value within limits for Co 228.616 Recovery = 102.02%								
V 292.402†	59615.1	0.5020	mg/L	0.00945	0.5020	mg/L	0.00945	1.88%
QC value within limits for V 292.402 Recovery = 100.40%								
K 766.490†	535.3	10.19	mg/L	0.179	10.19	mg/L	0.179	1.75%
QC value within limits for K 766.490 Recovery = 101.87%								
Na 330.237	3144.7	4.993	mg/L	0.0400	4.993	mg/L	0.0400	0.80%
QC value within limits for Na 330.237 Recovery = 99.87%								
Al 308.215†	23940.9	2.014	mg/L	0.0347	2.014	mg/L	0.0347	1.72%

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QC value within limits for Al 308.215 Recovery = 100.71%

Fe 273.955†	16221.9	1.021 mg/L	0.0120	1.021 mg/L	0.0120	1.17%

QC value within limits for Fe 273.955 Recovery = 102.14%

Ca 315.887†	8658.2	5.031 mg/L	0.0534	5.031 mg/L	0.0534	1.06%

QC value within limits for Ca 315.887 Recovery = 100.63%

Mg 279.077†	2357.0	4.998 mg/L	0.0698	4.998 mg/L	0.0698	1.40%

QC value within limits for Mg 279.077 Recovery = 99.95%

All analytes passed QC.

Sequence No.: 4 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 11/24/04 7:29:12 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:20:03 AM,**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	357803.2	102.5	%	1.64				1.60%
Sc 361.383	735167.9	103.1	%	1.66				1.61%
Ni 231.604†	22.4	0.0008	mg/L	0.00026	0.0008	mg/L	0.00026	31.21%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	7.9	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	18.43%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	-8.2	-0.0001	mg/L	0.00057	-0.0001	mg/L	0.00057	826.80%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	4.3	0.0827	mg/L	0.00774	0.0827	mg/L	0.00774	9.37%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	-59.5	-0.0945	mg/L	0.11667	-0.0945	mg/L	0.11667	123.40%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-125.4	-0.0105	mg/L	0.00395	-0.0105	mg/L	0.00395	37.46%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	7.5	0.0005	mg/L	0.00050	0.0005	mg/L	0.00050	105.26%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	0.3	0.0002	mg/L	0.00300	0.0002	mg/L	0.00300	>999.9%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	8.0	0.0169	mg/L	0.00700	0.0169	mg/L	0.00700	41.48%
QC value within limits for Mg 279.077 Recovery = Not calculated								

All analytes passed QC.

Sequence No.: 5 **Autosampler Location: 4**
Sample ID: RL-STD **Date Collected: 11/24/04 7:45:55 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:20:04 AM,**

Mean Data: RL-STD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	366126.2	104.9	%	1.18				1.12%
Sc 361.383	754112.4	105.7	%	1.09				1.03%
Ni 231.604†	318.8	0.0116	mg/L	0.00010	0.0116	mg/L	0.00010	0.87%
QC value within limits for Ni 231.604 Recovery = 116.48%								
Co 228.616†	361.1	0.0103	mg/L	0.00004	0.0103	mg/L	0.00004	0.38%
QC value within limits for Co 228.616 Recovery = 103.49%								
V 292.402†	1131.4	0.0095	mg/L	0.00025	0.0095	mg/L	0.00025	2.68%
QC value within limits for V 292.402 Recovery = 95.27%								
K 766.490†	52.8	1.005	mg/L	0.0447	1.005	mg/L	0.0447	4.45%
QC value within limits for K 766.490 Recovery = 100.55%								
Na 330.237	581.9	0.9240	mg/L	0.25233	0.9240	mg/L	0.25233	27.31%
QC value within limits for Na 330.237 Recovery = 92.40%								
Al 308.215†	11572.0	0.9736	mg/L	0.01190	0.9736	mg/L	0.01190	1.22%
QC value within limits for Al 308.215 Recovery = 97.36%								
Fe 273.955†	16212.5	1.021	mg/L	0.0149	1.021	mg/L	0.0149	1.46%
QC value within limits for Fe 273.955 Recovery = 102.08%								
Ca 315.887†	1761.9	1.024	mg/L	0.0181	1.024	mg/L	0.0181	1.77%
QC value within limits for Ca 315.887 Recovery = 102.39%								

01173

Mg 279.077†	487.7	1.034 mg/L	0.0242	1.034 mg/L	0.0242	2.34%

QC value within limits for Mg 279.077 Recovery = 103.40%
All analytes passed QC.

Sequence No.: 6 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 11/24/04 7:58:00 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:20:05 AM,**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	324647.9	93.01	%	1.453				1.56%
Sc 361.383	653603.2	91.65	%	1.780				1.94%
Ni 231.604†	-29.8	-0.0011	mg/L	0.00025	-0.0011	mg/L	0.00025	22.87%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	-25.2	-0.0007	mg/L	0.00033	-0.0007	mg/L	0.00033	45.58%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	12.0	0.0001	mg/L	0.00032	0.0001	mg/L	0.00032	316.79%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	45.9	0.8736	mg/L	0.04985	0.8736	mg/L	0.04985	5.71%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	76032.4	120.7	mg/L	1.28	120.7	mg/L	1.28	1.06%
QC value within limits for Na 330.237 Recovery = 120.73%								
Al 308.215†	1449749.8	122.0	mg/L	2.06	122.0	mg/L	2.06	1.69%
QC value within limits for Al 308.215 Recovery = 101.64%								
Fe 273.955†	7090703.2	446.4	mg/L	7.58	446.4	mg/L	7.58	1.70%
QC value within limits for Fe 273.955 Recovery = 89.29%								
Ca 315.887†	1050454.0	610.4	mg/L	9.76	610.4	mg/L	9.76	1.60%
QC value within limits for Ca 315.887 Recovery = 101.74%								
Mg 279.077†	139885.3	296.6	mg/L	4.48	296.6	mg/L	4.48	1.51%
QC value within limits for Mg 279.077 Recovery = 98.87%								

All analytes passed QC.

Sequence No.: 7 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 11/24/04 8:03:43 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:20:07 AM,**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	330567.3	94.70	%	0.476				0.50%
Sc 361.383	664460.9	93.17	%	0.655				0.70%
Ni 231.604†	73523.4	2.687	mg/L	0.0088	2.687	mg/L	0.0088	0.33%
QC value within limits for Ni 231.604 Recovery = 89.56%								
Co 228.616†	94327.8	2.704	mg/L	0.0077	2.704	mg/L	0.0077	0.29%
QC value within limits for Co 228.616 Recovery = 90.12%								
V 292.402†	357299.0	3.009	mg/L	0.0070	3.009	mg/L	0.0070	0.23%
QC value within limits for V 292.402 Recovery = 100.29%								
K 766.490†	11950.1	227.4	mg/L	1.25	227.4	mg/L	1.25	0.55%
QC value within limits for K 766.490 Recovery = 113.70%								
Na 330.237	75222.5	119.4	mg/L	1.08	119.4	mg/L	1.08	0.90%
QC value within limits for Na 330.237 Recovery = 119.44%								
Al 308.215†	1441803.0	121.3	mg/L	0.33	121.3	mg/L	0.33	0.27%
QC value within limits for Al 308.215 Recovery = 101.09%								
Fe 273.955†	6916099.1	435.5	mg/L	0.34	435.5	mg/L	0.34	0.08%
QC value within limits for Fe 273.955 Recovery = 87.09%								
Ca 315.887†	1029138.4	598.1	mg/L	4.96	598.1	mg/L	4.96	0.83%
QC value within limits for Ca 315.887 Recovery = 99.68%								
Mg 279.077†	137454.9	291.5	mg/L	0.82	291.5	mg/L	0.82	0.28%
QC value within limits for Mg 279.077 Recovery = 97.15%								

All analytes passed QC.

011174

Reprocessing Begun
Logged In Analyst: Seattle_inst_Metals Technique: ICP Continuous

Results Data Set (original): 112404
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): tp760
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 5
Sample ID: CCV Date Collected: 11/24/04 10:06:38 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 11/29/04 11:22:56 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	638038.8	101.2	%	1.96				1.93%
Sc 361.383	1306842.1	101.4	%	1.80				1.78%
Ni 231.604†	27287.0	1.005	mg/L	0.0148	1.005	mg/L	0.0148	1.48%
QC value within limits for Ni 231.604 Recovery = 100.48%								
Co 228.616†	35038.8	1.004	mg/L	0.0138	1.004	mg/L	0.0138	1.37%
QC value within limits for Co 228.616 Recovery = 100.44%								
V 292.402†	116599.9	0.9878	mg/L	0.01529	0.9878	mg/L	0.01529	1.55%
QC value within limits for V 292.402 Recovery = 98.78%								
K 766.490†	529.9	10.19	mg/L	0.192	10.19	mg/L	0.192	1.88%
QC value within limits for K 766.490 Recovery = 101.92%								
Na 330.237	5990.2	9.332	mg/L	0.1473	9.332	mg/L	0.1473	1.58%
QC value within limits for Na 330.237 Recovery = 93.32%								
Al 308.215†	119560.9	9.986	mg/L	0.1221	9.986	mg/L	0.1221	1.22%
QC value within limits for Al 308.215 Recovery = 99.86%								
Fe 273.955†	160427.2	10.12	mg/L	0.141	10.12	mg/L	0.141	1.40%
QC value within limits for Fe 273.955 Recovery = 101.19%								
Ca 315.887†	17619.6	10.16	mg/L	0.213	10.16	mg/L	0.213	2.09%
QC value within limits for Ca 315.887 Recovery = 101.60%								
Mg 279.077†	4862.7	10.19	mg/L	0.222	10.19	mg/L	0.222	2.18%
QC value within limits for Mg 279.077 Recovery = 101.91%								

All analytes passed QC.

Sequence No.: 2 Autosampler Location: 6
Sample ID: CCB Date Collected: 11/24/04 10:12:13 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 11/29/04 11:22:57 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	625919.2	99.32	%	0.806				0.81%
Sc 361.383	1279586.8	99.30	%	0.807				0.81%
Ni 231.604†	8.5	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	15.74%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	-2.2	-0.0001	mg/L	0.00018	-0.0001	mg/L	0.00018	295.30%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	99.5	0.0008	mg/L	0.00051	0.0008	mg/L	0.00051	60.30%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	-0.8	-0.0147	mg/L	0.02430	-0.0147	mg/L	0.02430	165.38%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	2.1	0.0033	mg/L	0.06477	0.0033	mg/L	0.06477	>999.9%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	27.3	0.0023	mg/L	0.00322	0.0023	mg/L	0.00322	140.91%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	70.5	0.0044	mg/L	0.00091	0.0044	mg/L	0.00091	20.57%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	4.1	0.0023	mg/L	0.00053	0.0023	mg/L	0.00053	22.40%

01175

QC value within limits for Ca 315.887 Recovery = Not calculated

Mg 279.077†	0.9	0.0019 mg/L	0.00742	0.0019 mg/L	0.00742	388.22%

QC value within limits for Mg 279.077 Recovery = Not calculated

All analytes passed QC.

Sequence No.: 3 **Autosampler Location: 114**
Sample ID: tp 760 **Date Collected: 11/24/04 10:17:26 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:22:59 AM,**

Mean Data: tp 760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	627887.4	99.63	%	0.600				0.60%
Sc 361.383	1284526.6	99.69	%	0.640				0.64%
Ni 231.604†	2.2	0.0001	mg/L	0.00025	0.0001	mg/L	0.00025	306.37%
Co 228.616†	-4.5	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	68.80%
V 292.402†	5.0	0.0000	mg/L	0.00040	0.0000	mg/L	0.00040	958.92%
K 766.490†	-1.0	-0.0186	mg/L	0.03389	-0.0186	mg/L	0.03389	182.17%
Na 330.237	46.2	0.0719	mg/L	0.11145	0.0719	mg/L	0.11145	154.95%
Al 308.215†	125.0	0.0104	mg/L	0.00221	0.0104	mg/L	0.00221	21.14%
Fe 273.955†	-21.2	-0.0013	mg/L	0.00070	-0.0013	mg/L	0.00070	52.60%
Ca 315.887†	4.1	0.0024	mg/L	0.00112	0.0024	mg/L	0.00112	47.58%
Mg 279.077†	2.9	0.0061	mg/L	0.00551	0.0061	mg/L	0.00551	90.36%

Sequence No.: 4 **Autosampler Location: 115**
Sample ID: 124993-11-1/5 **Date Collected: 11/24/04 10:22:35 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:22:59 AM,**

Mean Data: 124993-11-1/5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	618593.0	98.16	%	0.265				0.27%
Sc 361.383	1266057.7	98.25	%	0.180				0.18%
Ni 231.604†	7.6	0.0003	mg/L	0.00008	0.0003	mg/L	0.00008	27.19%
Co 228.616†	3.5	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	169.44%
V 292.402†	168.5	0.0014	mg/L	0.00034	0.0014	mg/L	0.00034	23.96%
K 766.490†	14.6	0.2818	mg/L	0.04664	0.2818	mg/L	0.04664	16.55%
Na 330.237	951.8	1.483	mg/L	0.0990	1.483	mg/L	0.0990	6.68%
Al 308.215†	3102.4	0.2591	mg/L	0.00204	0.2591	mg/L	0.00204	0.79%
Fe 273.955†	4162.1	0.2625	mg/L	0.00183	0.2625	mg/L	0.00183	0.70%
Ca 315.887†	6370.7	3.674	mg/L	0.0014	3.674	mg/L	0.0014	0.04%
Mg 279.077†	492.0	1.031	mg/L	0.0049	1.031	mg/L	0.0049	0.48%

Sequence No.: 5 **Autosampler Location: 116**
Sample ID: 124993-11 **Date Collected: 11/24/04 10:29:04 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:00 AM,**

Mean Data: 124993-11

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	579830.0	92.01	%	0.268				0.29%
Sc 361.383	1186589.4	92.09	%	0.227				0.25%
Ni 231.604†	31.5	0.0012	mg/L	0.00016	0.0012	mg/L	0.00016	13.74%
Co 228.616†	17.2	0.0005	mg/L	0.00067	0.0005	mg/L	0.00067	136.67%
V 292.402†	637.2	0.0054	mg/L	0.00029	0.0054	mg/L	0.00029	5.32%
K 766.490†	78.8	1.515	mg/L	0.0413	1.515	mg/L	0.0413	2.73%
Na 330.237	4123.0	6.423	mg/L	0.0843	6.423	mg/L	0.0843	1.31%
Al 308.215†	12990.5	1.085	mg/L	0.0236	1.085	mg/L	0.0236	2.17%
Fe 273.955†	20411.3	1.287	mg/L	0.0054	1.287	mg/L	0.0054	0.42%

01176

Ca 315.887†	31726.4	18.30	mg/L	0.100	18.30	mg/L	0.100	0.55%
Mg 279.077†	2446.8	5.128	mg/L	0.0715	5.128	mg/L	0.0715	1.39%

Sequence No.: 6 **Autosampler Location: 117**
Sample ID: 124993-11d **Date Collected: 11/24/04 10:34:37 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:02 AM,**

Mean Data: 124993-11d

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	564939.4	89.64	%	0.844				0.94%
Sc 361.383	1154798.7	89.62	%	0.627				0.70%
Ni 231.604†	33.3	0.0012	mg/L	0.00019	0.0012	mg/L	0.00019	15.39%
Co 228.616†	22.1	0.0006	mg/L	0.00034	0.0006	mg/L	0.00034	53.08%
V 292.402†	631.0	0.0053	mg/L	0.00020	0.0053	mg/L	0.00020	3.67%
K 766.490†	76.1	1.463	mg/L	0.0182	1.463	mg/L	0.0182	1.25%
Na 330.237	3785.7	5.898	mg/L	0.1838	5.898	mg/L	0.1838	3.12%
Al 308.215†	11700.2	0.9772	mg/L	0.01444	0.9772	mg/L	0.01444	1.48%
Fe 273.955†	20594.7	1.299	mg/L	0.0134	1.299	mg/L	0.0134	1.03%
Ca 315.887†	32641.2	18.82	mg/L	0.088	18.82	mg/L	0.088	0.47%
Mg 279.077†	2505.8	5.252	mg/L	0.0700	5.252	mg/L	0.0700	1.33%

Sequence No.: 7 **Autosampler Location: 118**
Sample ID: 124993-11s **Date Collected: 11/24/04 10:40:04 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:03 AM,**

Mean Data: 124993-11s

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	579919.8	92.02	%	1.227				1.33%
Sc 361.383	1186352.3	92.07	%	1.274				1.38%
Ni 231.604†	26916.4	0.9912	mg/L	0.00658	0.9912	mg/L	0.00658	0.66%
Co 228.616†	34628.6	0.9926	mg/L	0.00712	0.9926	mg/L	0.00712	0.72%
V 292.402†	119527.6	1.013	mg/L	0.0064	1.013	mg/L	0.0064	0.63%
K 766.490†	1122.3	21.59	mg/L	0.259	21.59	mg/L	0.259	1.20%
Na 330.237	16327.4	25.44	mg/L	0.450	25.44	mg/L	0.450	1.77%
Al 308.215†	60509.4	5.054	mg/L	0.0473	5.054	mg/L	0.0473	0.94%
Fe 273.955†	367505.5	23.18	mg/L	0.160	23.18	mg/L	0.160	0.69%
Ca 315.887†	66100.3	38.12	mg/L	0.453	38.12	mg/L	0.453	1.19%
Mg 279.077†	11787.6	24.70	mg/L	0.359	24.70	mg/L	0.359	1.45%

Sequence No.: 8 **Autosampler Location: 119**
Sample ID: 124993-11sd **Date Collected: 11/24/04 10:45:31 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:04 AM,**

Mean Data: 124993-11sd

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	576827.7	91.53	%	1.659				1.81%
Sc 361.383	1180172.8	91.59	%	1.721				1.88%
Ni 231.604†	26942.3	0.9921	mg/L	0.00295	0.9921	mg/L	0.00295	0.30%
Co 228.616†	34770.4	0.9967	mg/L	0.00212	0.9967	mg/L	0.00212	0.21%
V 292.402†	120044.5	1.017	mg/L	0.0034	1.017	mg/L	0.0034	0.33%
K 766.490†	1154.1	22.20	mg/L	0.555	22.20	mg/L	0.555	2.50%
Na 330.237	16426.7	25.59	mg/L	0.462	25.59	mg/L	0.462	1.80%
Al 308.215†	60863.8	5.083	mg/L	0.0226	5.083	mg/L	0.0226	0.44%
Fe 273.955†	369813.1	23.33	mg/L	0.047	23.33	mg/L	0.047	0.20%
Ca 315.887†	67115.6	38.70	mg/L	0.265	38.70	mg/L	0.265	0.69%
Mg 279.077†	11903.3	24.95	mg/L	0.054	24.95	mg/L	0.054	0.22%

01177

Sequence No.: 9
Sample ID: 124993-11ps
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 120
Date Collected: 11/24/04 10:50:59 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:23:05 AM,

Mean Data: 124993-11ps

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	577799.4	91.68	%	0.408				0.44%
Sc 361.383	1179113.4	91.51	%	0.491				0.54%
Ni 231.604†	25401.0	0.9354	mg/L	0.00546	0.9354	mg/L	0.00546	0.58%
Co 228.616†	32885.1	0.9427	mg/L	0.00233	0.9427	mg/L	0.00233	0.25%
V 292.402†	110341.8	0.9348	mg/L	0.00151	0.9348	mg/L	0.00151	0.16%
K 766.490†	1257.9	24.20	mg/L	0.076	24.20	mg/L	0.076	0.32%
Na 330.237	15995.0	24.92	mg/L	0.356	24.92	mg/L	0.356	1.43%
Al 308.215†	60719.8	5.071	mg/L	0.0362	5.071	mg/L	0.0362	0.71%
Fe 273.955†	393049.7	24.79	mg/L	0.067	24.79	mg/L	0.067	0.27%
Ca 315.887†	68811.4	39.68	mg/L	0.603	39.68	mg/L	0.603	1.52%
Mg 279.077†	13000.0	27.24	mg/L	0.370	27.24	mg/L	0.370	1.36%

Sequence No.: 10
Sample ID: bs tp760
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 121
Date Collected: 11/24/04 10:56:30 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:23:06 AM,

Mean Data: bs tp760

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	581896.5	92.33	%	1.312				1.42%
Sc 361.383	1189130.9	92.28	%	1.387				1.50%
Ni 231.604†	27242.9	1.003	mg/L	0.0013	1.003	mg/L	0.0013	0.13%
Co 228.616†	35097.8	1.006	mg/L	0.0025	1.006	mg/L	0.0025	0.25%
V 292.402†	118660.8	1.005	mg/L	0.0030	1.005	mg/L	0.0030	0.30%
K 766.490†	1047.8	20.15	mg/L	0.323	20.15	mg/L	0.323	1.60%
Na 330.237	11934.5	18.59	mg/L	0.327	18.59	mg/L	0.327	1.76%
Al 308.215†	47538.0	3.970	mg/L	0.0091	3.970	mg/L	0.0091	0.23%
Fe 273.955†	348557.5	21.99	mg/L	0.055	21.99	mg/L	0.055	0.25%
Ca 315.887†	33750.7	19.46	mg/L	0.254	19.46	mg/L	0.254	1.31%
Mg 279.077†	9320.4	19.53	mg/L	0.273	19.53	mg/L	0.273	1.40%

Sequence No.: 11
Sample ID: bsd tp760
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 122
Date Collected: 11/24/04 11:02:00 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:23:07 AM,

Mean Data: bsd tp760

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	587985.3	93.30	%	0.760				0.81%
Sc 361.383	1202460.8	93.32	%	0.853				0.91%
Ni 231.604†	27232.7	1.003	mg/L	0.0065	1.003	mg/L	0.0065	0.65%
Co 228.616†	35124.2	1.007	mg/L	0.0061	1.007	mg/L	0.0061	0.61%
V 292.402†	118754.7	1.006	mg/L	0.0053	1.006	mg/L	0.0053	0.53%
K 766.490†	1041.3	20.03	mg/L	0.303	20.03	mg/L	0.303	1.51%
Na 330.237	12217.8	19.03	mg/L	0.173	19.03	mg/L	0.173	0.91%
Al 308.215†	47613.7	3.977	mg/L	0.0304	3.977	mg/L	0.0304	0.77%
Fe 273.955†	348828.8	22.00	mg/L	0.113	22.00	mg/L	0.113	0.51%
Ca 315.887†	33452.8	19.29	mg/L	0.223	19.29	mg/L	0.223	1.15%
Mg 279.077†	9216.1	19.31	mg/L	0.297	19.31	mg/L	0.297	1.54%

01178

Sequence No.: 12 **Autosampler Location: 123**
Sample ID: lcs-water-1 **Date Collected: 11/24/04 11:07:30 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:08 AM,**

Mean Data: lcs-water-1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	573732.4	91.04	%	0.766				0.84%
Sc 361.383	1171972.3	90.95	%	0.960				1.06%
Ni 231.604†	27135.7	0.9992	mg/L	0.00562	0.9992	mg/L	0.00562	0.56%
Co 228.616†	35055.4	1.005	mg/L	0.0038	1.005	mg/L	0.0038	0.38%
V 292.402†	118384.8	1.003	mg/L	0.0029	1.003	mg/L	0.0029	0.29%
K 766.490†	1048.4	20.17	mg/L	0.200	20.17	mg/L	0.200	0.99%
Na 330.237	11844.4	18.45	mg/L	0.180	18.45	mg/L	0.180	0.98%
Al 308.215†	47304.9	3.951	mg/L	0.0145	3.951	mg/L	0.0145	0.37%
Fe 273.955†	347897.7	21.94	mg/L	0.080	21.94	mg/L	0.080	0.37%
Ca 315.887†	34028.7	19.62	mg/L	0.144	19.62	mg/L	0.144	0.74%
Mg 279.077†	9387.7	19.67	mg/L	0.172	19.67	mg/L	0.172	0.88%

Sequence No.: 13 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/24/04 11:13:00 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:09 AM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	658944.7	104.6	%	1.33				1.27%
Sc 361.383	1352209.2	104.9	%	1.11				1.06%
Ni 231.604†	27339.6	1.007	mg/L	0.0154	1.007	mg/L	0.0154	1.53%
QC value within limits for Ni 231.604 Recovery = 100.67%								
Co 228.616†	35079.1	1.006	mg/L	0.0176	1.006	mg/L	0.0176	1.75%
QC value within limits for Co 228.616 Recovery = 100.55%								
V 292.402†	115739.6	0.9805	mg/L	0.01292	0.9805	mg/L	0.01292	1.32%
QC value within limits for V 292.402 Recovery = 98.05%								
K 766.490†	515.1	9.908	mg/L	0.1078	9.908	mg/L	0.1078	1.09%
QC value within limits for K 766.490 Recovery = 99.08%								
Na 330.237	6177.0	9.623	mg/L	0.1600	9.623	mg/L	0.1600	1.66%
QC value within limits for Na 330.237 Recovery = 96.23%								
Al 308.215†	118372.9	9.886	mg/L	0.1454	9.886	mg/L	0.1454	1.47%
QC value within limits for Al 308.215 Recovery = 98.86%								
Fe 273.955†	158596.7	10.00	mg/L	0.107	10.00	mg/L	0.107	1.07%
QC value within limits for Fe 273.955 Recovery = 100.03%								
Ca 315.887†	17517.7	10.10	mg/L	0.255	10.10	mg/L	0.255	2.53%
QC value within limits for Ca 315.887 Recovery = 101.02%								
Mg 279.077†	4805.8	10.07	mg/L	0.244	10.07	mg/L	0.244	2.42%
QC value within limits for Mg 279.077 Recovery = 100.72%								

All analytes passed QC.

Sequence No.: 14 **Autosampler Location: 6**
Sample ID: CCB **Date Collected: 11/24/04 11:18:35 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:11 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	641705.4	101.8	%	0.77				0.76%
Sc 361.383	1312396.1	101.8	%	0.74				0.72%
Ni 231.604†	4.7	0.0002	mg/L	0.00027	0.0002	mg/L	0.00027	152.24%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	-11.2	-0.0003	mg/L	0.00010	-0.0003	mg/L	0.00010	30.13%

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QC value within limits for Co 228.616 Recovery = Not calculated

V 292.402†	16.0	0.0001 mg/L	0.00062	0.0001 mg/L	0.00062	458.82%

QC value within limits for V 292.402 Recovery = Not calculated

K 766.490†	-2.1	-0.0397 mg/L	0.02689	-0.0397 mg/L	0.02689	67.73%

QC value within limits for K 766.490 Recovery = Not calculated

Na 330.237	15.3	0.0238 mg/L	0.05852	0.0238 mg/L	0.05852	246.12%

QC value within limits for Na 330.237 Recovery = Not calculated

Al 308.215†	-10.5	-0.0009 mg/L	0.00077	-0.0009 mg/L	0.00077	88.23%

QC value within limits for Al 308.215 Recovery = Not calculated

Fe 273.955†	51.2	0.0032 mg/L	0.00070	0.0032 mg/L	0.00070	21.81%

QC value within limits for Fe 273.955 Recovery = Not calculated

Ca 315.887†	0.9	0.0005 mg/L	0.00162	0.0005 mg/L	0.00162	300.73%

QC value within limits for Ca 315.887 Recovery = Not calculated

Mg 279.077†	1.4	0.0030 mg/L	0.00211	0.0030 mg/L	0.00211	70.76%

QC value within limits for Mg 279.077 Recovery = Not calculated

All analytes passed QC.

Sequence No.: 15 **Autosampler Location: 124**
Sample ID: mb tp760 **Date Collected: 11/24/04 11:23:48 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:12 AM,**

Mean Data: mb tp760

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	637826.7	101.2	%	0.74				0.73%
Sc 361.383	1305172.3	101.3	%	0.72				0.71%
Ni 231.604†	1.3	0.0000	mg/L	0.00023	0.0000	mg/L	0.00023	482.21%
Co 228.616†	-13.2	-0.0004	mg/L	0.00011	-0.0004	mg/L	0.00011	28.58%
V 292.402†	40.6	0.0003	mg/L	0.00072	0.0003	mg/L	0.00072	209.35%
K 766.490†	-2.4	-0.0457	mg/L	0.04097	-0.0457	mg/L	0.04097	89.57%
Na 330.237	-16.0	-0.0249	mg/L	0.15989	-0.0249	mg/L	0.15989	640.85%
Al 308.215†	266.0	0.0222	mg/L	0.00241	0.0222	mg/L	0.00241	10.84%
Fe 273.955†	-46.4	-0.0029	mg/L	0.00036	-0.0029	mg/L	0.00036	12.19%
Ca 315.887†	1.2	0.0007	mg/L	0.00365	0.0007	mg/L	0.00365	508.77%
Mg 279.077†	4.0	0.0084	mg/L	0.00111	0.0084	mg/L	0.00111	13.14%

Sequence No.: 16 **Autosampler Location: 125**
Sample ID: 124993-8 **Date Collected: 11/24/04 11:28:54 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:13 AM,**

Mean Data: 124993-8

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	577813.4	91.69	%	1.191				1.30%
Sc 361.383	1183384.8	91.84	%	1.328				1.45%
Ni 231.604†	66.6	0.0025	mg/L	0.00014	0.0025	mg/L	0.00014	5.81%
Co 228.616†	58.5	0.0017	mg/L	0.00029	0.0017	mg/L	0.00029	17.38%
V 292.402†	1091.8	0.0092	mg/L	0.00017	0.0092	mg/L	0.00017	1.83%
K 766.490†	46.7	0.8980	mg/L	0.03274	0.8980	mg/L	0.03274	3.65%
Na 330.237	4074.2	6.347	mg/L	0.1434	6.347	mg/L	0.1434	2.26%
Al 308.215†	26943.3	2.250	mg/L	0.0294	2.250	mg/L	0.0294	1.31%
Fe 273.955†	50978.4	3.215	mg/L	0.0286	3.215	mg/L	0.0286	0.89%
Ca 315.887†	39518.9	22.79	mg/L	0.726	22.79	mg/L	0.726	3.19%
Mg 279.077†	2924.8	6.130	mg/L	0.2330	6.130	mg/L	0.2330	3.80%

Sequence No.: 17 **Autosampler Location: 126**
Sample ID: 124993-9 **Date Collected: 11/24/04 11:34:25 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:14 AM,**

01180

Mean Data: 124993-9

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	571297.3	90.65	%	1.254				1.38%
Sc 361.383	1167701.3	90.62	%	1.377				1.52%
Ni 231.604†	5.4	0.0002	mg/L	0.00018	0.0002	mg/L	0.00018	91.80%
Co 228.616†	-6.2	-0.0002	mg/L	0.00024	-0.0002	mg/L	0.00024	133.88%
V 292.402†	313.7	0.0027	mg/L	0.00067	0.0027	mg/L	0.00067	25.10%
K 766.490†	47.9	0.9209	mg/L	0.02088	0.9209	mg/L	0.02088	2.27%
Na 330.237	4099.9	6.387	mg/L	0.1226	6.387	mg/L	0.1226	1.92%
Al 308.215†	1362.9	0.1138	mg/L	0.00311	0.1138	mg/L	0.00311	2.73%
Fe 273.955†	1327.9	0.0838	mg/L	0.00087	0.0838	mg/L	0.00087	1.03%
Ca 315.887†	43420.8	25.04	mg/L	0.261	25.04	mg/L	0.261	1.04%
Mg 279.077†	2779.5	5.825	mg/L	0.0379	5.825	mg/L	0.0379	0.65%

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Sequence No.: 18
Sample ID: 124993-10
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 127
Date Collected: 11/24/04 11:39:55 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:23:15 AM,

Mean Data: 124993-10

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	571154.1	90.63	%	1.356				1.50%
Sc 361.383	1167829.5	90.63	%	1.363				1.50%
Ni 231.604†	4.2	0.0002	mg/L	0.00019	0.0002	mg/L	0.00019	126.02%
Co 228.616†	-7.8	-0.0002	mg/L	0.00024	-0.0002	mg/L	0.00024	105.12%
V 292.402†	258.6	0.0022	mg/L	0.00005	0.0022	mg/L	0.00005	2.28%
K 766.490†	47.4	0.9113	mg/L	0.00569	0.9113	mg/L	0.00569	0.62%
Na 330.237	4169.3	6.495	mg/L	0.3182	6.495	mg/L	0.3182	4.90%
Al 308.215†	878.5	0.0734	mg/L	0.00594	0.0734	mg/L	0.00594	8.10%
Fe 273.955†	1348.3	0.0850	mg/L	0.00313	0.0850	mg/L	0.00313	3.68%
Ca 315.887†	42882.5	24.73	mg/L	0.329	24.73	mg/L	0.329	1.33%
Mg 279.077†	2788.4	5.844	mg/L	0.0466	5.844	mg/L	0.0466	0.80%

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Sequence No.: 19
Sample ID: 124993-13
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 128
Date Collected: 11/24/04 11:45:26 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:23:17 AM,

Mean Data: 124993-13

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	582510.6	92.43	%	1.226				1.33%
Sc 361.383	1196645.8	92.87	%	1.154				1.24%
Ni 231.604†	215.6	0.0079	mg/L	0.00030	0.0079	mg/L	0.00030	3.79%
Co 228.616†	199.1	0.0057	mg/L	0.00022	0.0057	mg/L	0.00022	3.82%
V 292.402†	2696.7	0.0228	mg/L	0.00063	0.0228	mg/L	0.00063	2.78%
K 766.490†	54.4	1.045	mg/L	0.0427	1.045	mg/L	0.0427	4.08%
Na 330.237	5290.6	8.242	mg/L	0.2366	8.242	mg/L	0.2366	2.87%
Al 308.215†	80613.8	6.733	mg/L	0.0237	6.733	mg/L	0.0237	0.35%
Fe 273.955†	155610.5	9.815	mg/L	0.0290	9.815	mg/L	0.0290	0.30%
Ca 315.887†	56201.0	32.41	mg/L	0.547	32.41	mg/L	0.547	1.69%
Mg 279.077†	7328.2	15.36	mg/L	0.275	15.36	mg/L	0.275	1.79%

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Sequence No.: 20
Sample ID: 124993-14
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 129
Date Collected: 11/24/04 11:50:58 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:23:17 AM,

Mean Data: 124993-14

Analyte	Mean Corrected	Calib			Sample			

01181

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Lu 261.542	573007.6	90.92	%	0.497				0.55%
Sc 361.383	1172625.3	91.00	%	0.580				0.64%
Ni 231.604†	90.0	0.0033	mg/L	0.00019	0.0033	mg/L	0.00019	5.81%
Co 228.616†	130.1	0.0037	mg/L	0.00026	0.0037	mg/L	0.00026	6.99%
V 292.402†	210.8	0.0018	mg/L	0.00012	0.0018	mg/L	0.00012	6.89%
K 766.490†	77.3	1.486	mg/L	0.0359	1.486	mg/L	0.0359	2.42%
Na 330.237	6883.1	10.72	mg/L	0.273	10.72	mg/L	0.273	2.54%
Al 308.215†	3414.9	0.2852	mg/L	0.00931	0.2852	mg/L	0.00931	3.27%
Fe 273.955†	8579.6	0.5412	mg/L	0.00422	0.5412	mg/L	0.00422	0.78%
Ca 315.887†	56199.5	32.41	mg/L	0.762	32.41	mg/L	0.762	2.35%
Mg 279.077†	4902.6	10.27	mg/L	0.020	10.27	mg/L	0.020	0.19%

Sequence No.: 21 **Autosampler Location: 130**
Sample ID: 124993-15 **Date Collected: 11/24/04 11:56:34 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:19 AM,**

Mean Data: 124993-15

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	580329.9	92.09	%	1.253				1.36%
Sc 361.383	1188092.9	92.20	%	1.232				1.34%
Ni 231.604†	87.8	0.0032	mg/L	0.00029	0.0032	mg/L	0.00029	8.82%
Co 228.616†	131.6	0.0038	mg/L	0.00036	0.0038	mg/L	0.00036	9.60%
V 292.402†	278.7	0.0024	mg/L	0.00005	0.0024	mg/L	0.00005	2.12%
K 766.490†	82.6	1.589	mg/L	0.0820	1.589	mg/L	0.0820	5.16%
Na 330.237	6952.6	10.83	mg/L	0.222	10.83	mg/L	0.222	2.05%
Al 308.215†	3286.1	0.2744	mg/L	0.00519	0.2744	mg/L	0.00519	1.89%
Fe 273.955†	8739.5	0.5512	mg/L	0.00193	0.5512	mg/L	0.00193	0.35%
Ca 315.887†	57759.6	33.31	mg/L	0.991	33.31	mg/L	0.991	2.97%
Mg 279.077†	4988.5	10.45	mg/L	0.266	10.45	mg/L	0.266	2.54%

Sequence No.: 22 **Autosampler Location: 131**
Sample ID: 124945-1 **Date Collected: 11/25/04 12:02:10 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:20 AM,**

Mean Data: 124945-1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	587785.4	93.27	%	0.356				0.38%
Sc 361.383	1210178.7	93.92	%	0.172				0.18%
Ni 231.604†	243.2	0.0090	mg/L	0.00011	0.0090	mg/L	0.00011	1.21%
Co 228.616†	225.2	0.0065	mg/L	0.00020	0.0065	mg/L	0.00020	3.06%
V 292.402†	3723.5	0.0315	mg/L	0.00093	0.0315	mg/L	0.00093	2.93%
K 766.490†	106.8	2.053	mg/L	0.0182	2.053	mg/L	0.0182	0.88%
Na 330.237	6859.1	10.69	mg/L	0.049	10.69	mg/L	0.049	0.45%
Al 308.215†	147957.6	12.36	mg/L	0.078	12.36	mg/L	0.078	0.63%
Fe 273.955†	261466.3	16.49	mg/L	0.091	16.49	mg/L	0.091	0.55%
Ca 315.887†	58359.6	33.65	mg/L	0.379	33.65	mg/L	0.379	1.13%
Mg 279.077†	5647.7	11.84	mg/L	0.165	11.84	mg/L	0.165	1.40%

Sequence No.: 23 **Autosampler Location: 132**
Sample ID: lcs-water-2 **Date Collected: 11/25/04 12:07:43 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:21 AM,**

Mean Data: lcs-water-2

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	582085.8	92.36	%	0.672				0.73%

01182

Sc 361.383	1189617.5	92.32 %	0.860			0.93%
Ni 231.604†	26980.1	0.9935 mg/L	0.00418	0.9935 mg/L	0.00418	0.42%
Co 228.616†	34771.6	0.9967 mg/L	0.00372	0.9967 mg/L	0.00372	0.37%
V 292.402†	117168.5	0.9926 mg/L	0.00203	0.9926 mg/L	0.00203	0.20%
K 766.490†	1040.3	20.01 mg/L	0.147	20.01 mg/L	0.147	0.73%
Na 330.237	11923.5	18.58 mg/L	0.138	18.58 mg/L	0.138	0.74%
Al 308.215†	47014.4	3.927 mg/L	0.0148	3.927 mg/L	0.0148	0.38%
Fe 273.955†	344125.1	21.71 mg/L	0.032	21.71 mg/L	0.032	0.15%
Ca 315.887†	33901.2	19.55 mg/L	0.100	19.55 mg/L	0.100	0.51%
Mg 279.077†	9280.5	19.45 mg/L	0.101	19.45 mg/L	0.101	0.52%

Sequence No.: 24 **Autosampler Location: 133**
Sample ID: mb tp760 **Date Collected: 11/25/04 12:13:10 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:23 AM,**

Mean Data: mb tp760

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	507405.2	80.51	%	0.663				0.82%
Sc 361.383	1036998.1	80.48	%	0.650				0.81%
Ni 231.604†	9.1	0.0003	mg/L	0.00020	0.0003	mg/L	0.00020	60.18%
Co 228.616†	-6.7	-0.0002	mg/L	0.00028	-0.0002	mg/L	0.00028	147.67%
V 292.402†	85.5	0.0007	mg/L	0.00074	0.0007	mg/L	0.00074	101.98%
K 766.490†	2.0	0.0391	mg/L	0.02890	0.0391	mg/L	0.02890	73.88%
Na 330.237	46.5	0.0725	mg/L	0.04501	0.0725	mg/L	0.04501	62.07%
Al 308.215†	92.9	0.0078	mg/L	0.00482	0.0078	mg/L	0.00482	62.05%
Fe 273.955†	104.9	0.0066	mg/L	0.00041	0.0066	mg/L	0.00041	6.17%
Ca 315.887†	-0.1	-0.0001	mg/L	0.00344	-0.0001	mg/L	0.00344	>999.9%
Mg 279.077†	1.2	0.0024	mg/L	0.00701	0.0024	mg/L	0.00701	289.11%

Sequence No.: 25 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/25/04 12:18:13 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:23 AM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	660295.7	104.8	%	0.99				0.94%
Sc 361.383	1355127.7	105.2	%	0.84				0.80%
Ni 231.604†	27111.2	0.9983	mg/L	0.01349	0.9983	mg/L	0.01349	1.35%
QC value within limits for Ni 231.604 Recovery = 99.83%								
Co 228.616†	34685.5	0.9943	mg/L	0.01156	0.9943	mg/L	0.01156	1.16%
QC value within limits for Co 228.616 Recovery = 99.43%								
V 292.402†	114503.1	0.9700	mg/L	0.00968	0.9700	mg/L	0.00968	1.00%
QC value within limits for V 292.402 Recovery = 97.00%								
K 766.490†	512.7	9.861	mg/L	0.0752	9.861	mg/L	0.0752	0.76%
QC value within limits for K 766.490 Recovery = 98.61%								
Na 330.237	6003.3	9.353	mg/L	0.1383	9.353	mg/L	0.1383	1.48%
QC value within limits for Na 330.237 Recovery = 93.53%								
Al 308.215†	116694.6	9.746	mg/L	0.1440	9.746	mg/L	0.1440	1.48%
QC value within limits for Al 308.215 Recovery = 97.46%								
Fe 273.955†	156280.1	9.857	mg/L	0.0880	9.857	mg/L	0.0880	0.89%
QC value within limits for Fe 273.955 Recovery = 98.57%								
Ca 315.887†	17408.0	10.04	mg/L	0.161	10.04	mg/L	0.161	1.60%
QC value within limits for Ca 315.887 Recovery = 100.38%								
Mg 279.077†	4811.6	10.08	mg/L	0.197	10.08	mg/L	0.197	1.96%
QC value within limits for Mg 279.077 Recovery = 100.84%								

All analytes passed QC.

Sequence No.: 26 **Autosampler Location: 6**
Sample ID: CCB **Date Collected: 11/25/04 12:23:48 AM**
Analyst:

01183

Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 11/29/04 11:23:25 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	634133.9	100.6	%	0.55				0.55%
Sc 361.383	1297601.4	100.7	%	0.55				0.54%
Ni 231.604†	4.9	0.0002	mg/L	0.00029	0.0002	mg/L	0.00029	159.66%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	-17.7	-0.0005	mg/L	0.00014	-0.0005	mg/L	0.00014	28.45%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	91.3	0.0008	mg/L	0.00058	0.0008	mg/L	0.00058	74.40%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	-1.5	-0.0294	mg/L	0.02119	-0.0294	mg/L	0.02119	72.11%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	-69.5	-0.1082	mg/L	0.08918	-0.1082	mg/L	0.08918	82.39%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	41.9	0.0035	mg/L	0.00146	0.0035	mg/L	0.00146	41.65%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	48.2	0.0030	mg/L	0.00060	0.0030	mg/L	0.00060	19.63%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	5.1	0.0029	mg/L	0.00374	0.0029	mg/L	0.00374	127.59%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	0.5	0.0010	mg/L	0.00771	0.0010	mg/L	0.00771	755.33%
QC value within limits for Mg 279.077 Recovery = Not calculated								

All analytes passed QC.

01184

Sequence No.: 1 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 11/25/04 12:29:01 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:52 AM,**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Calib Std.Dev.	Sample Conc.	Units	Sample Std.Dev.	RSD
Lu 261.542	603626.7	95.78	%	1.026				1.07%
Sc 361.383	1231451.8	95.57	%	0.420				0.44%
Ni 231.604†	-43.0	-0.0016	mg/L	0.00069	-0.0016	mg/L	0.00069	43.77%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	-15.7	-0.0005	mg/L	0.00013	-0.0005	mg/L	0.00013	29.12%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	281.3	0.0024	mg/L	0.00018	0.0024	mg/L	0.00018	7.45%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	17.3	0.3333	mg/L	0.00579	0.3333	mg/L	0.00579	1.74%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	75611.3	117.8	mg/L	1.06	117.8	mg/L	1.06	0.90%
QC value within limits for Na 330.237 Recovery = 117.79%								
Al 308.215†	1439169.4	120.2	mg/L	1.42	120.2	mg/L	1.42	1.18%
QC value within limits for Al 308.215 Recovery = 100.16%								
Fe 273.955†	7003401.8	441.7	mg/L	3.44	441.7	mg/L	3.44	0.78%
QC value within limits for Fe 273.955 Recovery = 88.35%								
Ca 315.887†	1015251.8	585.5	mg/L	11.71	585.5	mg/L	11.71	2.00%
QC value within limits for Ca 315.887 Recovery = 97.58%								
Mg 279.077†	137227.6	287.6	mg/L	5.77	287.6	mg/L	5.77	2.01%
QC value within limits for Mg 279.077 Recovery = 95.87%								

All analytes passed QC.

Sequence No.: 2 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 11/25/04 12:34:45 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:23:53 AM,**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Calib Std.Dev.	Sample Conc.	Units	Sample Std.Dev.	RSD
Lu 261.542	587017.8	93.15	%	0.643				0.69%
Sc 361.383	1197909.9	92.96	%	0.581				0.62%
Ni 231.604†	73032.8	2.689	mg/L	0.0190	2.689	mg/L	0.0190	0.71%
QC value within limits for Ni 231.604 Recovery = 89.64%								
Co 228.616†	95274.8	2.731	mg/L	0.0166	2.731	mg/L	0.0166	0.61%
QC value within limits for Co 228.616 Recovery = 91.04%								
V 292.402†	350058.7	2.965	mg/L	0.0196	2.965	mg/L	0.0196	0.66%
QC value within limits for V 292.402 Recovery = 98.85%								
K 766.490†	11525.1	221.7	mg/L	1.22	221.7	mg/L	1.22	0.55%
QC value within limits for K 766.490 Recovery = 110.84%								
Na 330.237	71973.6	112.1	mg/L	0.30	112.1	mg/L	0.30	0.26%
QC value within limits for Na 330.237 Recovery = 112.13%								
Al 308.215†	1445448.0	120.7	mg/L	0.85	120.7	mg/L	0.85	0.70%
QC value within limits for Al 308.215 Recovery = 100.60%								
Fe 273.955†	6947303.8	438.2	mg/L	1.01	438.2	mg/L	1.01	0.23%
QC value within limits for Fe 273.955 Recovery = 87.64%								
Ca 315.887†	1016581.7	586.2	mg/L	8.13	586.2	mg/L	8.13	1.39%
QC value within limits for Ca 315.887 Recovery = 97.70%								
Mg 279.077†	137793.8	288.8	mg/L	3.80	288.8	mg/L	3.80	1.32%
QC value within limits for Mg 279.077 Recovery = 96.26%								

All analytes passed QC.

01185

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	0.999673
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
Cr	51.941	Linear Thru Zero	0.01	0.00	0.999856
Mn	54.938	Linear Thru Zero	0.02	0.00	0.999078
Cu	64.928	Linear Thru Zero	0.00	0.00	0.999988
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999902
As	74.922	Linear Thru Zero	0.00	0.00	0.999911
Se	81.917	Linear Thru Zero	0.00	0.00	0.999987
Ge	73.922	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.01	0.00	0.999720
Cd	110.904	Linear Thru Zero	0.00	0.00	0.999942
Sb	122.904	Linear Thru Zero	0.01	0.00	0.999976
Ba	136.905	Linear Thru Zero	0.00	0.00	0.999945
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Tl	202.972	Linear Thru Zero	0.01	0.00	0.999742
Pb	207.977	Linear Thru Zero	0.04	0.00	0.999668
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: Monday, November 22, 2004 09:35:51
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	50.0
⌞>	Sc	45		ug/L			1298489.1	1.5
⌜	Cr	52		ug/L			7550.4	3.5
|	Mn	55		ug/L			1142.3	3.4
|	Cu	65		ug/L			67.8	37.6
|	Zn	68		ug/L			735.0	4.5
|	As	75		ug/L			257.2	28.2
|	Se	82		ug/L			154.4	6.2
⌞>	Ge	74		ug/L			1251599.9	0.6
⌜	Ag	107		ug/L			36.7	31.5
|	Cd	111		ug/L			9.8	20.8
|	Sb	123		ug/L			468.4	15.5
|	Ba	137		ug/L			77.8	17.8
⌞>	Rh	103		ug/L			1349265.6	0.9
⌜	Tl	203		ug/L			96.7	27.4
|	Pb	208		ug/L			534.4	5.3
⌞>	Ho	165		ug/L			1396072.3	2.0

01187

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 1

Sample Description:
Sample Date/Time: Monday, November 22, 2004 09:38:52
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	4.6	13.333	1513.4	6.2
⌞>	Sc	45		ug/L		1298489.150	1303663.2	1.8
⌜	Cr	52	**5.000**	ug/L	3.6	7550.368	76070.6	1.7
⌞	Mn	55	**5.000**	ug/L	2.7	1142.268	120062.4	1.0
⌞	Cu	65	**5.000**	ug/L	4.5	67.778	21902.3	3.8
⌞	Zn	68	**5.000**	ug/L	0.7	734.952	12594.1	1.6
⌞	As	75	**5.000**	ug/L	3.6	257.164	15689.2	2.3
⌞	Se	82	**5.000**	ug/L	9.5	154.445	1890.1	7.1
⌞>	Ge	74		ug/L		1251599.927	1285092.7	1.6
⌜	Ag	107	**5.000**	ug/L	2.4	36.667	80020.2	1.0
⌞	Cd	111	**5.000**	ug/L	2.3	9.778	17337.7	0.9
⌞	Sb	123	**5.000**	ug/L	1.8	468.434	39143.1	2.8
⌞	Ba	137	**5.000**	ug/L	0.2	77.778	28961.6	1.4
⌞>	Rh	103		ug/L		1349265.623	1362857.6	1.4
⌜	Tl	203	**5.000**	ug/L	1.7	96.667	83228.4	1.3
⌞	Pb	208	**5.000**	ug/L	1.0	534.448	280483.7	0.6
⌞>	Ho	165		ug/L		1396072.264	1417520.9	0.4

01188

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 2

Sample Description:
Sample Date/Time: Monday, November 22, 2004 09:41:50
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**9.962**	ug/L	8.3	13.333	2980.3	6.2
⌞>	Sc	45		ug/L		1298489.150	1315968.4	2.1
⌜	Cr	52	**10.010**	ug/L	1.6	7550.368	144917.6	1.5
⌞	Mn	55	**9.946**	ug/L	0.8	1142.268	232456.0	0.1
⌞	Cu	65	**9.924**	ug/L	4.1	67.778	42074.2	4.1
⌞	Zn	68	**9.847**	ug/L	2.1	734.952	22702.6	2.3
⌞	As	75	**10.000**	ug/L	3.1	257.164	31089.3	2.8
⌞	Se	82	**9.964**	ug/L	2.2	154.445	3558.2	1.9
⌞>	Ge	74		ug/L		1251599.927	1283425.4	0.8
⌜	Ag	107	**10.033**	ug/L	1.0	36.667	157645.1	0.4
⌞	Cd	111	**10.073**	ug/L	1.7	9.778	34860.5	0.9
⌞	Sb	123	**10.050**	ug/L	5.1	468.434	77263.7	4.2
⌞	Ba	137	**10.030**	ug/L	2.0	77.778	56880.8	1.5
⌞>	Rh	103		ug/L		1349265.623	1320391.2	0.9
⌜	Tl	203	**9.982**	ug/L	1.4	96.667	166307.3	2.6
⌞	Pb	208	**9.944**	ug/L	3.2	534.448	549772.3	2.2
⌞>	Ho	165		ug/L		1396072.264	1430133.0	2.5

01189

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 3

Sample Description:
Sample Date/Time: Monday, November 22, 2004 09:44:49
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**24.771**	ug/L	12.9	13.333	7259.6	11.7
⌞>	Sc	45		ug/L		1298489.150	1351491.3	1.1
⌜	Cr	52	**24.937**	ug/L	0.6	7550.368	344461.5	0.7
⌜	Mn	55	**24.970**	ug/L	1.3	1142.268	577115.2	1.2
⌜	Cu	65	**24.844**	ug/L	2.4	67.778	101813.8	1.7
⌜	Zn	68	**24.825**	ug/L	3.0	734.952	54100.7	2.7
⌜	As	75	**24.958**	ug/L	1.1	257.164	76385.2	0.3
⌜	Se	82	**25.163**	ug/L	0.8	154.445	9015.1	1.6
⌞>	Ge	74		ug/L		1251599.927	1280672.2	0.9
⌜	Ag	107	**24.735**	ug/L	2.4	36.667	382625.2	2.6
⌜	Cd	111	**24.941**	ug/L	5.2	9.778	88383.1	3.1
⌜	Sb	123	**24.945**	ug/L	4.2	468.434	195946.5	2.2
⌜	Ba	137	**24.916**	ug/L	2.5	77.778	143943.8	0.2
⌞>	Rh	103		ug/L		1349265.623	1369254.7	2.6
⌜	Tl	203	**24.802**	ug/L	2.3	96.667	399981.4	0.9
⌜	Pb	208	**25.002**	ug/L	1.2	534.448	1391638.8	0.2
⌞>	Ho	165		ug/L		1396072.264	1439656.7	1.4

01190

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 4

Sample Description:
Sample Date/Time: Monday, November 22, 2004 09:48:20
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**49.632**	ug/L	8.4	13.333	14466.3	10.4
⌞>	Sc	45		ug/L		1298489.150	1375704.6	2.1
⌜	Cr	52	**49.633**	ug/L	1.6	7550.368	670449.5	2.0
|	Mn	55	**49.509**	ug/L	3.4	1142.268	1121028.8	3.2
|	Cu	65	**50.087**	ug/L	1.2	67.778	209061.0	1.1
|	Zn	68	**49.421**	ug/L	1.8	734.952	104325.2	0.5
|	As	75	**49.967**	ug/L	1.6	257.164	154295.8	2.0
|	Se	82	**49.872**	ug/L	1.6	154.445	17788.8	2.2
⌞>	Ge	74		ug/L		1251599.927	1297159.8	1.6
⌜	Ag	107	**49.598**	ug/L	1.7	36.667	755518.4	1.7
|	Cd	111	**49.730**	ug/L	1.2	9.778	175155.1	1.8
|	Sb	123	**50.370**	ug/L	6.2	468.434	409524.2	3.3
|	Ba	137	**49.702**	ug/L	2.1	77.778	284723.1	2.9
⌞>	Rh	103		ug/L		1349265.623	1384684.6	2.9
⌜	Tl	203	**50.221**	ug/L	1.2	96.667	813184.3	0.5
|	Pb	208	**49.777**	ug/L	2.5	534.448	2700089.9	2.0
⌞>	Ho	165		ug/L		1396072.264	1424263.5	1.7

01191

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 5

Sample Description:
Sample Date/Time: Monday, November 22, 2004 09:51:51
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**98.628**	ug/L	7.6	13.333	28364.9	8.6
⌞>	Sc	45		ug/L		1298489.150	1416275.9	2.1
⌜	Cr	52	**99.119**	ug/L	4.5	7550.368	1309122.8	3.7
|	Mn	55	**97.612**	ug/L	3.7	1142.268	2079033.3	3.4
|	Cu	65	**99.843**	ug/L	1.9	67.778	418925.8	2.3
|	Zn	68	**99.568**	ug/L	1.5	734.952	208803.6	1.4
|	As	75	**99.243**	ug/L	1.4	257.164	302265.7	0.4
|	Se	82	**99.851**	ug/L	2.6	154.445	35648.9	1.9
⌞>	Ge	74		ug/L		1251599.927	1310367.1	1.0
⌜	Ag	107	**98.769**	ug/L	1.9	36.667	1494041.4	1.0
|	Cd	111	**99.468**	ug/L	4.1	9.778	355118.1	2.2
|	Sb	123	**99.956**	ug/L	4.2	468.434	836465.3	2.4
|	Ba	137	**99.500**	ug/L	2.4	77.778	578367.1	0.8
⌞>	Rh	103		ug/L		1349265.623	1427028.8	2.0
⌜	Tl	203	**98.751**	ug/L	2.1	96.667	1593383.8	0.7
|	Pb	208	**98.553**	ug/L	0.6	534.448	5297057.6	1.4
⌞>	Ho	165		ug/L		1396072.264	1474012.7	1.5

01192

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICV

Sample Description: 25 PPB CHECK SOLUTION
Sample Date/Time: Monday, November 22, 2004 09:56:51
Number of Replicates: 3
Batch ID: 11-22-04
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**25.478**	ug/L	8.9	13.333	7036.2	9.8
⌞>	Sc	45		ug/L		1298489.150	1357770.4	1.3
⌜	Cr	52	**26.305**	ug/L	2.0	7550.368	344151.3	1.3
⌞	Mn	55	**27.153**	ug/L	2.7	1142.268	564235.9	2.6
⌞	Cu	65	**26.246**	ug/L	3.1	67.778	107316.2	2.8
⌞	Zn	68	**25.636**	ug/L	2.7	734.952	52923.8	2.0
⌞	As	75	**25.905**	ug/L	1.9	257.164	77055.4	1.4
⌞	Se	82	**25.928**	ug/L	3.6	154.445	9134.0	2.8
⌞>	Ge	74		ug/L		1251599.927	1276490.3	0.8
⌜	Ag	107	**26.243**	ug/L	3.5	36.667	384169.7	2.2
⌞	Cd	111	**26.179**	ug/L	3.4	9.778	90479.3	1.8
⌞	Sb	123	**24.793**	ug/L	6.1	468.434	201103.1	4.0
⌞	Ba	137	**25.430**	ug/L	2.5	77.778	143133.6	1.6
⌞>	Rh	103		ug/L		1349265.623	1381225.7	2.3
⌜	Tl	203	**26.256**	ug/L	1.8	96.667	407438.9	2.0
⌞	Pb	208	**26.628**	ug/L	3.5	534.448	1375986.5	2.2
⌞>	Ho	165		ug/L		1396072.264	1417120.1	1.4

01193

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: ICB

Sample Description: BLANK
Sample Date/Time: Monday, November 22, 2004 10:04:53
Number of Replicates: 3
Batch ID: 11-22-04
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	365.9	13.333	14.4	26.6
⌞>	Sc	45		ug/L		1298489.150	1304275.7	0.9
⌜	Cr	52	**-0.035**	ug/L	38.1	7550.368	7097.3	4.3
⌞	Mn	55	**-0.002**	ug/L	69.3	1142.268	1091.2	2.0
⌞	Cu	65	**0.002**	ug/L	191.4	67.778	76.7	23.0
⌞	Zn	68	**0.200**	ug/L	9.0	734.952	1130.6	4.4
⌞	As	75	**-0.049**	ug/L	90.6	257.164	115.4	113.9
⌞	Se	82	**-0.105**	ug/L	69.6	154.445	118.9	22.8
⌞>	Ge	74		ug/L		1251599.927	1248348.0	2.0
⌜	Ag	107	**0.003**	ug/L	45.6	36.667	85.6	25.9
⌞	Cd	111	**-0.001**	ug/L	208.7	9.778	6.0	128.1
⌞	Sb	123	**0.039**	ug/L	20.3	468.434	777.2	8.9
⌞	Ba	137	**-0.002**	ug/L	55.5	77.778	67.8	7.5
⌞>	Rh	103		ug/L		1349265.623	1353151.4	1.7
⌜	Tl	203	**-0.001**	ug/L	208.0	96.667	84.4	30.1
⌞	Pb	208	**-0.000**	ug/L	188.1	534.448	513.3	7.8
⌞>	Ho	165		ug/L		1396072.264	1393177.5	0.4

01194

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 0.5 PPB (RL)

Sample Description:
Sample Date/Time: Monday, November 22, 2004 10:13:47
Number of Replicates: 3
Batch ID: 11-22-04
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**0.505**	ug/L	23.3	13.333	143.3	20.3
⌞>	Sc	45		ug/L		1298489.150	1274042.2	1.5
⌜	Cr	52	**0.510**	ug/L	6.8	7550.368	14109.8	2.3
⌞	Mn	55	**0.592**	ug/L	2.0	1142.268	13336.2	1.1
⌞	Cu	65	**0.575**	ug/L	3.2	67.778	2398.0	3.6
⌞	Zn	68	**0.575**	ug/L	9.1	734.952	1903.0	4.1
⌞	As	75	**0.515**	ug/L	7.9	257.164	1775.0	6.6
⌞	Se	82	**0.480**	ug/L	8.3	154.445	321.1	5.2
⌞>	Ge	74		ug/L		1251599.927	1265978.2	1.5
⌜	Ag	107	**0.552**	ug/L	1.0	36.667	7833.3	1.3
⌞	Cd	111	**0.527**	ug/L	6.7	9.778	1765.0	4.8
⌞	Sb	123	**0.460**	ug/L	1.4	468.434	4054.4	1.8
⌞	Ba	137	**0.533**	ug/L	3.5	77.778	2969.2	1.9
⌞>	Rh	103		ug/L		1349265.623	1331646.1	1.9
⌜	Tl	203	**0.532**	ug/L	1.3	96.667	8278.0	3.5
⌞	Pb	208	**0.553**	ug/L	2.7	534.448	28844.9	1.7
⌞>	Ho	165		ug/L		1396072.264	1405413.8	2.3

01195

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSA

Sample Description:
Sample Date/Time: Monday, November 22, 2004 10:19:43
Number of Replicates: 3
Batch ID: 11-22-04
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**0.016**	ug/L	145.1	13.333	16.7	34.6
⌞>	Sc	45		ug/L		1298489.150	1237639.4	1.0
⌜	Cr	52	**0.880**	ug/L	3.5	7550.368	17888.6	1.8
⌞	Mn	55	**4.435**	ug/L	1.9	1142.268	87897.4	1.9
⌞	Cu	65	**4.523**	ug/L	0.9	67.778	17510.7	0.6
⌞	Zn	68	**4.118**	ug/L	4.9	734.952	8617.5	4.2
⌞	As	75	**0.307**	ug/L	23.9	257.164	1106.0	18.8
⌞	Se	82	**0.626**	ug/L	18.2	154.445	353.3	10.9
⌞>	Ge	74		ug/L		1251599.927	1204702.4	0.3
⌜	Ag	107	**0.047**	ug/L	8.5	36.667	685.6	9.0
⌞	Cd	111	**-0.139**	ug/L	140.7	9.778	-443.5	143.8
⌞	Sb	123	**1.938**	ug/L	0.3	468.434	15263.4	1.2
⌞	Ba	137	**0.393**	ug/L	4.4	77.778	2161.3	3.4
⌞>	Rh	103		ug/L		1349265.623	1303363.4	1.0
⌜	Tl	203	**0.468**	ug/L	1.8	96.667	6965.0	2.4
⌞	Pb	208	**0.786**	ug/L	3.1	534.448	38978.6	1.6
⌞>	Ho	165		ug/L		1396072.264	1342306.8	2.0

01196

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSAB

Sample Description:
Sample Date/Time: Monday, November 22, 2004 10:22:42
Number of Replicates: 3
Batch ID: 11-22-04
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**-0.007**	ug/L	209.0	13.333	11.1	34.6
L>	Sc	45		ug/L		1298489.150	1268432.8	1.1
⌜	Cr	52	**20.367**	ug/L	3.1	7550.368	259352.3	3.3
|	Mn	55	**24.767**	ug/L	2.6	1142.268	497695.4	2.0
|	Cu	65	**21.596**	ug/L	0.3	67.778	85401.2	0.6
|	Zn	68	**19.993**	ug/L	2.1	734.952	40069.6	1.4
|	As	75	**19.478**	ug/L	1.9	257.164	56091.7	2.5
|	Se	82	**17.947**	ug/L	1.3	154.445	6161.3	1.9
L>	Ge	74		ug/L		1251599.927	1234251.5	0.8
⌜	Ag	107	**19.829**	ug/L	2.0	36.667	272183.1	1.2
|	Cd	111	**9.622**	ug/L	1.5	9.778	31190.7	1.2
|	Sb	123	**2.086**	ug/L	0.8	468.434	16285.5	1.0
|	Ba	137	**0.300**	ug/L	6.3	77.778	1657.9	6.5
L>	Rh	103		ug/L		1349265.623	1294678.0	0.8
⌜	Tl	203	**0.115**	ug/L	10.5	96.667	1820.1	9.4
|	Pb	208	**0.790**	ug/L	3.5	534.448	39886.3	3.4
L>	Ho	165		ug/L		1396072.264	1366498.7	0.6

01197

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description: 50 PPB QC SOLUTION
Sample Date/Time: Monday, November 22, 2004 13:09:31
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**54.375**	ug/L	6.5	13.333	16844.4	9.6
⌞>	Sc	45		ug/L		1298489.150	1523821.4	4.0
⌜	Cr	52	**53.526**	ug/L	1.9	7550.368	709776.8	2.3
|	Mn	55	**54.640**	ug/L	1.3	1142.268	1162818.5	1.9
|	Cu	65	**52.761**	ug/L	1.7	67.778	221100.5	2.0
|	Zn	68	**51.835**	ug/L	1.0	734.952	108927.4	1.6
|	As	75	**51.372**	ug/L	0.7	257.164	156385.3	0.4
|	Se	82	**50.953**	ug/L	2.3	154.445	18246.1	1.9
⌞>	Ge	74		ug/L		1251599.927	1308536.4	0.7
⌜	Ag	107	**52.502**	ug/L	1.7	36.667	764354.8	3.2
|	Cd	111	**51.655**	ug/L	1.4	9.778	177509.2	1.4
|	Sb	123	**49.856**	ug/L	4.3	468.434	401673.6	2.9
|	Ba	137	**50.854**	ug/L	0.8	77.778	284502.1	1.5
⌞>	Rh	103		ug/L		1349265.623	1372911.9	1.6
⌜	Tl	203	**50.104**	ug/L	2.9	96.667	785121.2	2.3
|	Pb	208	**51.552**	ug/L	5.2	534.448	2688973.4	2.6
⌞>	Ho	165		ug/L		1396072.264	1431585.6	2.6

01198

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description: BLANK
Sample Date/Time: Monday, November 22, 2004 13:15:34
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**-0.016**	ug/L	69.3	13.333	10.0	33.3
⌞>	Sc	45		ug/L		1298489.150	1398163.4	2.7
⌜	Cr	52	**0.031**	ug/L	48.3	7550.368	8110.8	1.6
|	Mn	55	**-0.010**	ug/L	30.2	1142.268	967.8	7.1
|	Cu	65	**-0.000**	ug/L	470.8	67.778	67.8	10.2
|	Zn	68	**0.125**	ug/L	36.9	734.952	1006.3	10.1
|	As	75	**0.029**	ug/L	65.5	257.164	347.5	15.2
|	Se	82	**0.041**	ug/L	83.9	154.445	172.2	7.8
⌞>	Ge	74		ug/L		1251599.927	1278678.6	0.9
⌜	Ag	107	**0.003**	ug/L	16.0	36.667	76.7	7.5
|	Cd	111	**-0.001**	ug/L	20.7	9.778	7.8	4.9
|	Sb	123	**0.033**	ug/L	6.5	468.434	740.8	3.1
|	Ba	137	**-0.004**	ug/L	6.8	77.778	55.6	3.5
⌞>	Rh	103		ug/L		1349265.623	1367707.9	0.8
⌜	Tl	203	**-0.001**	ug/L	70.8	96.667	78.9	14.8
|	Pb	208	**-0.003**	ug/L	28.7	534.448	394.4	9.8
⌞>	Ho	165		ug/L		1396072.264	1369093.2	2.1

01199

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MB

Sample Description:
Sample Date/Time: Monday, November 22, 2004 13:18:36
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**-0.017**	ug/L	112.9	13.333	10.0	57.7
⌞>	Sc	45		ug/L		1298489.150	1473261.5	0.8
⌜	Cr	52	**0.142**	ug/L	14.7	7550.368	10070.2	3.7
|	Mn	55	**0.326**	ug/L	1.9	1142.268	8379.1	2.3
|	Cu	65	**0.078**	ug/L	9.1	67.778	411.1	7.3
|	Zn	68	**5.416**	ug/L	2.3	734.952	12457.4	2.4
|	As	75	**0.048**	ug/L	148.2	257.164	427.2	52.0
|	Se	82	**0.031**	ug/L	254.6	154.445	177.8	15.2
⌞>	Ge	74		ug/L		1251599.927	1350676.3	1.0
⌜	Ag	107	**0.003**	ug/L	20.1	36.667	78.9	8.8
|	Cd	111	**0.003**	ug/L	172.1	9.778	20.7	87.8
|	Sb	123	**0.009**	ug/L	45.9	468.434	560.8	5.8
|	Ba	137	**0.016**	ug/L	40.1	77.778	170.0	20.8
⌞>	Rh	103		ug/L		1349265.623	1393810.3	1.7
⌜	Tl	203	**0.004**	ug/L	64.7	96.667	168.9	27.2
|	Pb	208	**0.113**	ug/L	1.8	534.448	6640.6	2.2
⌞>	Ho	165		ug/L		1396072.264	1476424.4	3.1

012000

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124945-3 (25X)

Sample Description: 25X
Sample Date/Time: Monday, November 22, 2004 13:21:37
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\124945-3 (25X).023

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.193**	ug/L	29.3	13.333	77.8	22.0
⌞>	Sc	45		ug/L		1298489.150	1575049.8	1.8
⌜	Cr	52	**7.594**	ug/L	2.1	7550.368	107125.8	2.1
|	Mn	55	**163.317**	ug/L	2.3	1142.268	3461603.5	2.0
|	Cu	65	**18.151**	ug/L	3.2	67.778	75839.7	1.3
|	Zn	68	**20.992**	ug/L	3.3	734.952	44409.8	1.3
|	As	75	**2.938**	ug/L	5.7	257.164	9161.9	3.6
|	Se	82	**0.133**	ug/L	71.9	154.445	207.8	14.5
⌞>	Ge	74		ug/L		1251599.927	1304470.4	2.2
⌜	Ag	107	**0.043**	ug/L	10.1	36.667	650.0	9.8
|	Cd	111	**-0.154**	ug/L	11.7	9.778	-512.0	12.7
|	Sb	123	**0.094**	ug/L	10.5	468.434	1214.0	5.6
|	Ba	137	**30.809**	ug/L	1.9	77.778	169873.1	1.5
⌞>	Rh	103		ug/L		1349265.623	1352912.3	1.0
⌜	Tl	203	**0.056**	ug/L	14.8	96.667	1017.8	13.0
|	Pb	208	**2.563**	ug/L	0.3	534.448	139597.6	0.8
⌞>	Ho	165		ug/L		1396072.264	1487444.0	0.5

012201

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124945-3

Sample Description: 5X
Sample Date/Time: Monday, November 22, 2004 13:24:38
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\124945-3.024

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.896**	ug/L	3.5	13.333	330.0	3.6
⌞>	Sc	45		ug/L		1298489.150	1718045.0	1.1
⌜	Cr	52	**37.560**	ug/L	1.2	7550.368	474236.8	1.3
⌞	Mn	55	**835.219**	ug/L	0.7	1142.268	16829793.1	1.6
⌞	Cu	65	**93.545**	ug/L	1.1	67.778	371446.0	0.3
⌞	Zn	68	**91.481**	ug/L	1.2	734.952	181629.0	1.3
⌞	As	75	**14.370**	ug/L	1.0	257.164	41644.7	1.6
⌞	Se	82	**0.804**	ug/L	2.8	154.445	423.3	0.8
⌞>	Ge	74		ug/L		1251599.927	1240172.3	1.0
⌜	Ag	107	**0.268**	ug/L	6.8	36.667	3707.1	6.0
⌞	Cd	111	**-1.198**	ug/L	4.6	9.778	-3872.8	3.7
⌞	Sb	123	**0.505**	ug/L	2.9	468.434	4284.4	3.3
⌞	Ba	137	**153.437**	ug/L	2.1	77.778	809351.1	2.1
⌞>	Rh	103		ug/L		1349265.623	1294686.2	0.9
⌜	Tl	203	**0.256**	ug/L	3.1	96.667	4349.6	0.4
⌞	Pb	208	**12.289**	ug/L	3.2	534.448	678861.0	0.7
⌞>	Ho	165		ug/L		1396072.264	1514804.4	3.3

01202

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124945-3D

Sample Description: 5X
Sample Date/Time: Monday, November 22, 2004 13:27:40
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\124945-3D.025

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.832**	ug/L	5.8	13.333	306.7	8.5
⌞>	Sc	45		ug/L		1298489.150	1710394.5	3.0
⌜	Cr	52	**36.946**	ug/L	0.4	7550.368	469124.1	2.0
⌞	Mn	55	**843.888**	ug/L	2.8	1142.268	17099204.3	4.4
⌞	Cu	65	**92.090**	ug/L	2.9	67.778	367508.3	0.5
⌞	Zn	68	**93.926**	ug/L	0.7	734.952	187461.8	1.8
⌞	As	75	**14.342**	ug/L	4.2	257.164	41766.9	2.9
⌞	Se	82	**0.745**	ug/L	7.0	154.445	405.6	2.1
⌞>	Ge	74		ug/L		1251599.927	1246908.8	2.4
⌜	Ag	107	**0.305**	ug/L	7.3	36.667	4314.0	6.4
⌞	Cd	111	**-1.410**	ug/L	6.6	9.778	-4652.7	5.8
⌞	Sb	123	**0.497**	ug/L	4.3	468.434	4307.7	2.3
⌞	Ba	137	**153.723**	ug/L	2.2	77.778	827939.3	2.6
⌞>	Rh	103		ug/L		1349265.623	1321977.6	1.8
⌜	Tl	203	**0.252**	ug/L	3.5	96.667	4396.2	2.2
⌞	Pb	208	**12.415**	ug/L	1.6	534.448	705730.8	2.8
⌞>	Ho	165		ug/L		1396072.264	1557587.7	1.2

01203

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124945-3DD

Sample Description: 5X
Sample Date/Time: Monday, November 22, 2004 13:30:42
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\124945-3DD.026

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.787**	ug/L	12.8	13.333	285.6	17.0
⌞>	Sc	45		ug/L		1298489.150	1673925.6	5.5
⌜	Cr	52	**48.899**	ug/L	0.6	7550.368	607780.4	2.9
|	Mn	55	**1012.530**	ug/L	0.6	1142.268	20155852.5	2.7
|	Cu	65	**96.823**	ug/L	0.5	67.778	379897.3	3.2
|	Zn	68	**99.519**	ug/L	1.2	734.952	195156.9	3.1
|	As	75	**26.852**	ug/L	2.6	257.164	76636.4	2.0
|	Se	82	**0.760**	ug/L	12.1	154.445	404.5	10.3
⌞>	Ge	74		ug/L		1251599.927	1225265.6	2.8
⌜	Ag	107	**0.332**	ug/L	2.2	36.667	4605.2	4.8
|	Cd	111	**-1.588**	ug/L	3.5	9.778	-5149.9	5.8
|	Sb	123	**0.660**	ug/L	5.2	468.434	5463.9	1.9
|	Ba	137	**167.083**	ug/L	1.8	77.778	882869.0	2.3
⌞>	Rh	103		ug/L		1349265.623	1297549.2	4.1
⌜	Tl	203	**0.284**	ug/L	1.7	96.667	4924.2	0.5
|	Pb	208	**11.885**	ug/L	0.8	534.448	671111.0	2.7
⌞>	Ho	165		ug/L		1396072.264	1547278.8	2.2

012004

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124945-3S

Sample Description: 50X
Sample Date/Time: Monday, November 22, 2004 13:33:45
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\124945-3S.027

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**2.191**	ug/L	9.5	13.333	678.9	11.8
⌞>	Sc	45		ug/L		1298489.150	1490612.4	2.8
⌜	Cr	52	**18.744**	ug/L	1.1	7550.368	261285.4	0.8
|	Mn	55	**108.868**	ug/L	1.6	1142.268	2384997.8	1.2
|	Cu	65	**20.324**	ug/L	2.1	67.778	87766.6	1.7
|	Zn	68	**33.069**	ug/L	2.1	734.952	71865.0	2.4
|	As	75	**97.062**	ug/L	1.2	257.164	304126.0	1.9
|	Se	82	**76.788**	ug/L	0.7	154.445	28241.2	0.9
⌞>	Ge	74		ug/L		1251599.927	1347843.5	0.8
⌜	Ag	107	**13.050**	ug/L	0.8	36.667	192678.6	1.5
|	Cd	111	**1.811**	ug/L	4.6	9.778	6320.7	4.5
|	Sb	123	**63.429**	ug/L	1.0	468.434	518284.2	0.5
|	Ba	137	**101.000**	ug/L	0.3	77.778	572944.7	0.5
⌞>	Rh	103		ug/L		1349265.623	1392256.9	0.6
⌜	Tl	203	**82.009**	ug/L	0.8	96.667	1366618.3	0.2
|	Pb	208	**22.467**	ug/L	2.3	534.448	1247405.1	2.6
⌞>	Ho	165		ug/L		1396072.264	1522051.0	0.8

01205

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124945-3SD

Sample Description: 50X
Sample Date/Time: Monday, November 22, 2004 13:36:45
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\124945-3SD.028

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**2.226**	ug/L	8.4	13.333	672.2	7.6
⌞>	Sc	45		ug/L		1298489.150	1455809.5	0.7
⌜	Cr	52	**13.382**	ug/L	0.6	7550.368	181238.6	1.4
⌞	Mn	55	**116.756**	ug/L	1.4	1142.268	2454468.8	1.9
⌞	Cu	65	**21.517**	ug/L	1.0	67.778	89163.0	1.4
⌞	Zn	68	**34.680**	ug/L	1.7	734.952	72283.4	2.4
⌞	As	75	**84.275**	ug/L	1.2	257.164	253388.5	0.7
⌞	Se	82	**78.905**	ug/L	2.7	154.445	27838.2	2.0
⌞>	Ge	74		ug/L		1251599.927	1293332.1	1.0
⌜	Ag	107	**13.436**	ug/L	0.9	36.667	192392.5	1.0
⌞	Cd	111	**1.952**	ug/L	3.2	9.778	6606.6	1.3
⌞	Sb	123	**65.449**	ug/L	2.1	468.434	518626.0	0.3
⌞	Ba	137	**100.084**	ug/L	3.2	77.778	550526.8	1.6
⌞>	Rh	103		ug/L		1349265.623	1350524.2	1.9
⌜	Tl	203	**85.152**	ug/L	0.2	96.667	1348238.7	0.9
⌞	Pb	208	**23.544**	ug/L	0.5	534.448	1241993.0	1.5
⌞>	Ho	165		ug/L		1396072.264	1446122.9	1.0

012206

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124945-3PS

Sample Description: 50X
Sample Date/Time: Monday, November 22, 2004 13:39:40
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\124945-3PS.029

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**2.134**	ug/L	7.2	13.333	613.3	8.0
⌞>	Sc	45		ug/L		1298489.150	1383625.4	2.0
⌜	Cr	52	**19.085**	ug/L	1.1	7550.368	238962.1	1.2
⌞	Mn	55	**114.768**	ug/L	0.8	1142.268	2259592.9	1.2
⌞	Cu	65	**21.219**	ug/L	2.1	67.778	82345.6	2.0
⌞	Zn	68	**33.364**	ug/L	0.6	734.952	65151.8	0.9
⌞	As	75	**96.588**	ug/L	1.3	257.164	271969.0	1.7
⌞	Se	82	**79.617**	ug/L	2.2	154.445	26310.9	2.6
⌞>	Ge	74		ug/L		1251599.927	1211274.5	0.6
⌜	Ag	107	**12.575**	ug/L	0.9	36.667	171209.0	2.2
⌞	Cd	111	**1.893**	ug/L	6.7	9.778	6091.3	5.8
⌞	Sb	123	**64.255**	ug/L	2.1	468.434	484077.3	0.8
⌞	Ba	137	**101.719**	ug/L	1.6	77.778	532055.5	1.2
⌞>	Rh	103		ug/L		1349265.623	1283871.8	1.4
⌜	Tl	203	**82.360**	ug/L	1.8	96.667	1229204.4	1.5
⌞	Pb	208	**23.512**	ug/L	0.8	534.448	1169148.5	1.3
⌞>	Ho	165		ug/L		1396072.264	1363246.8	1.2

01207

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BS

Sample Description: 50X
Sample Date/Time: Monday, November 22, 2004 13:42:37
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\BS.030

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**2.031**	ug/L	9.6	13.333	627.8	11.5
⌞>	Sc	45		ug/L		1298489.150	1484692.7	2.1
⌜	Cr	52	**8.712**	ug/L	1.6	7550.368	127463.7	2.3
⌞	Mn	55	**22.674**	ug/L	0.8	1142.268	504299.4	0.8
⌞	Cu	65	**10.259**	ug/L	0.6	67.778	44929.4	1.7
⌞	Zn	68	**21.700**	ug/L	1.3	734.952	48055.8	1.4
⌞	As	75	**80.105**	ug/L	1.1	257.164	254332.9	0.7
⌞	Se	82	**75.269**	ug/L	2.8	154.445	28046.4	1.6
⌞>	Ge	74		ug/L		1251599.927	1365677.2	1.2
⌜	Ag	107	**12.731**	ug/L	3.6	36.667	191542.3	3.7
⌞	Cd	111	**2.010**	ug/L	1.7	9.778	7147.3	0.9
⌞	Sb	123	**67.761**	ug/L	1.4	468.434	564219.6	1.5
⌞	Ba	137	**82.412**	ug/L	1.1	77.778	476443.7	1.6
⌞>	Rh	103		ug/L		1349265.623	1418806.3	0.9
⌜	Tl	203	**80.056**	ug/L	2.4	96.667	1369574.6	1.5
⌞	Pb	208	**20.639**	ug/L	2.3	534.448	1176491.7	1.8
⌞>	Ho	165		ug/L		1396072.264	1562738.1	0.9

012008

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BSD

Sample Description: 50X
Sample Date/Time: Monday, November 22, 2004 13:45:34
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\BSD.031

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**2.152**	ug/L	9.5	13.333	652.2	11.0
⌞>	Sc	45		ug/L		1298489.150	1457998.7	2.3
⌜	Cr	52	**8.549**	ug/L	0.7	7550.368	120726.7	1.1
|	Mn	55	**23.231**	ug/L	2.2	1142.268	498127.2	2.9
|	Cu	65	**10.801**	ug/L	1.3	67.778	45590.4	1.1
|	Zn	68	**21.989**	ug/L	1.9	734.952	46934.1	2.1
|	As	75	**82.703**	ug/L	0.3	257.164	253150.4	1.6
|	Se	82	**80.665**	ug/L	1.4	154.445	28968.2	1.3
⌞>	Ge	74		ug/L		1251599.927	1316545.9	1.3
⌜	Ag	107	**12.602**	ug/L	1.0	36.667	186940.9	1.3
|	Cd	111	**2.006**	ug/L	4.5	9.778	7030.8	2.7
|	Sb	123	**68.579**	ug/L	2.2	468.434	562971.9	1.4
|	Ba	137	**83.097**	ug/L	0.7	77.778	473781.2	2.9
⌞>	Rh	103		ug/L		1349265.623	1399144.1	2.2
⌜	Tl	203	**81.510**	ug/L	4.5	96.667	1347238.8	1.3
|	Pb	208	**21.945**	ug/L	3.5	534.448	1208732.6	0.8
⌞>	Ho	165		ug/L		1396072.264	1511237.3	3.7

01209

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Monday, November 22, 2004 13:48:34
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**52.640**	ug/L	7.9	13.333	14880.0	10.7
⌞>	Sc	45		ug/L		1298489.150	1389989.6	2.7
⌜	Cr	52	**51.545**	ug/L	1.4	7550.368	661069.3	0.5
|	Mn	55	**52.743**	ug/L	2.0	1142.268	1085141.5	1.2
|	Cu	65	**51.636**	ug/L	2.2	67.778	209182.7	1.0
|	Zn	68	**51.106**	ug/L	3.7	734.952	103806.9	1.8
|	As	75	**51.006**	ug/L	2.2	257.164	150111.2	1.2
|	Se	82	**50.478**	ug/L	4.0	154.445	17472.9	2.1
⌞>	Ge	74		ug/L		1251599.927	1265284.5	1.8
⌜	Ag	107	**52.552**	ug/L	1.1	36.667	741949.3	0.9
|	Cd	111	**50.716**	ug/L	2.0	9.778	169050.7	1.8
|	Sb	123	**50.623**	ug/L	3.7	468.434	395780.1	4.1
|	Ba	137	**50.564**	ug/L	1.4	77.778	274372.1	1.0
⌞>	Rh	103		ug/L		1349265.623	1331621.7	0.4
⌜	Tl	203	**52.848**	ug/L	1.7	96.667	802231.1	1.3
|	Pb	208	**54.039**	ug/L	1.7	534.448	2732101.7	1.1
⌞>	Ho	165		ug/L		1396072.264	1386463.5	0.7

012210

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Monday, November 22, 2004 13:54:37
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\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	**-0.022**	ug/L	80.8	13.333	7.8	65.5
⌞>	Sc	45		ug/L		1298489.150	1349076.6	1.5
⌜	Cr	52	**-0.047**	ug/L	43.1	7550.368	6959.4	2.9
|	Mn	55	**0.003**	ug/L	197.5	1142.268	1195.6	9.8
|	Cu	65	**0.002**	ug/L	199.6	67.778	74.4	18.6
|	Zn	68	**0.105**	ug/L	15.6	734.952	945.1	2.6
|	As	75	**-0.010**	ug/L	513.8	257.164	228.0	69.8
|	Se	82	**0.006**	ug/L	1507.2	154.445	156.7	20.3
⌞>	Ge	74		ug/L		1251599.927	1252344.8	1.2
⌜	Ag	107	**0.004**	ug/L	31.8	36.667	92.2	20.9
|	Cd	111	**-0.010**	ug/L	35.6	9.778	-22.2	51.1
|	Sb	123	**0.078**	ug/L	12.9	468.434	1058.9	5.9
|	Ba	137	**-0.002**	ug/L	10.2	77.778	64.4	3 0
⌞>	Rh	103		ug/L		1349265.623	1317266.6	1.9
⌜	Tl	203	**0.042**	ug/L	4.4	96.667	723.4	4.2
|	Pb	208	**0.001**	ug/L	50.8	534.448	555.6	3.5
⌞>	Ho	165		ug/L		1396072.264	1366174.1	0.6

01211

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: SOIL LCS

Sample Description: 20X
Sample Date/Time: Monday, November 22, 2004 13:57:07
Number of Replicates: 3
Batch ID: SP751
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\SOIL LCS.034

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**78.202**	ug/L	6.0	13.333	23700.9	10.5
⌞>	Sc	45		ug/L		1298489.150	1490432.6	4.7
⌜	Cr	52	**92.795**	ug/L	1.1	7550.368	1260626.9	2.2
⌞	Mn	55	**287.624**	ug/L	3.3	1142.268	6295446.8	3.9
⌞	Cu	65	**64.733**	ug/L	2.7	67.778	279211.8	3.3
⌞	Zn	68	**100.814**	ug/L	0.7	734.952	217298.6	1.0
⌞	As	75	**59.861**	ug/L	1.2	257.164	187536.0	2.2
⌞	Se	82	**84.214**	ug/L	0.7	154.445	30932.3	0.5
⌞>	Ge	74		ug/L		1251599.927	1346853.5	1.1
⌜	Ag	107	**46.433**	ug/L	1.1	36.667	684135.9	0.9
⌞	Cd	111	**55.427**	ug/L	4.1	9.778	192806.7	3.9
⌞	Sb	123	**104.702**	ug/L	1.7	468.434	853619.2	1.2
⌞	Ba	137	**173.791**	ug/L	1.0	77.778	984024.6	1.5
⌞>	Rh	103		ug/L		1349265.623	1389685.2	0.7
⌜	Tl	203	**86.058**	ug/L	1.5	96.667	1438006.2	0.9
⌞	Pb	208	**55.722**	ug/L	1.3	534.448	3101371.4	1.4
⌞>	Ho	165		ug/L		1396072.264	1526268.3	0.9

LCS

01212

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Monday, November 22, 2004 14:00:07
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\QC Std 3.035

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**53.399**	ug/L	7.8	13.333	14818.8	9.0
⌞>	Sc	45		ug/L		1298489.150	1365716.2	1.3
⌜	Cr	52	**51.435**	ug/L	1.6	7550.368	665745.1	1.1
|	Mn	55	**52.805**	ug/L	0.8	1142.268	1096469.0	0.7
|	Cu	65	**49.847**	ug/L	2.1	67.778	203801.4	1.3
|	Zn	68	**51.384**	ug/L	0.8	734.952	105360.7	0.2
|	As	75	**49.841**	ug/L	1.3	257.164	148061.8	1.9
|	Se	82	**48.501**	ug/L	1.5	154.445	16955.6	1.6
⌞>	Ge	74		ug/L		1251599.927	1276798.0	0.8
⌜	Ag	107	**53.377**	ug/L	3.7	36.667	754576.9	1.0
|	Cd	111	**49.907**	ug/L	1.5	9.778	166650.2	1.9
|	Sb	123	**50.569**	ug/L	1.3	468.434	396037.2	2.2
|	Ba	137	**50.796**	ug/L	1.0	77.778	276182.2	2.9
⌞>	Rh	103		ug/L		1349265.623	1334256.4	2.8
⌜	Tl	203	**51.147**	ug/L	2.2	96.667	817451.3	3.0
|	Pb	208	**51.054**	ug/L	0.5	534.448	2717556.5	1.6
⌞>	Ho	165		ug/L		1396072.264	1459537.1	1.1

01213

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Monday, November 22, 2004 14:06:10
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0-MDL VERIFICATION.mth
Dataset File: c:\elandata\dataset\112204am\QC Std 4.036

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**-0.002**	ug/L	1205.4	13.333	13.3	43.3
⌞>	Sc	45		ug/L		1298489.150	1349686.2	1.5
⌜	Cr	52	**-0.058**	ug/L	19.5	7550.368	6876.8	2.5
⌞	Mn	55	**-0.001**	ug/L	37.5	1142.268	1122.3	1.4
⌞	Cu	65	**0.002**	ug/L	255.4	67.778	75.6	24.3
⌞	Zn	68	**0.142**	ug/L	22.0	734.952	1026.4	5.9
⌞	As	75	**0.027**	ug/L	205.3	257.164	340.0	49.0
⌞	Se	82	**0.010**	ug/L	428.3	154.445	158.9	8.7
⌞>	Ge	74		ug/L		1251599.927	1261239.9	0.4
⌜	Ag	107	**0.006**	ug/L	34.7	36.667	113.3	23.0
⌞	Cd	111	**-0.005**	ug/L	64.4	9.778	-6.7	156.2
⌞	Sb	123	**0.151**	ug/L	14.4	468.434	1610.2	10.7
⌞	Ba	137	**-0.007**	ug/L	18.9	77.778	38.9	17.8
⌞>	Rh	103		ug/L		1349265.623	1304506.5	0.9
⌜	Tl	203	**0.023**	ug/L	2.4	96.667	447.8	3.0
⌞	Pb	208	**-0.001**	ug/L	247.0	534.448	506.7	13.1
⌞>	Ho	165		ug/L		1396072.264	1395429.8	1.1

01214

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	0.999928
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
Cr	51.941	Linear Thru Zero	0.01	0.00	0.999957
Mn	54.938	Linear Thru Zero	0.02	0.00	0.999912
Cu	64.928	Linear Thru Zero	0.00	0.00	0.999950
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999972
As	74.922	Linear Thru Zero	0.00	0.00	0.999988
Se	81.917	Linear Thru Zero	0.00	0.00	0.999955
Ge	73.922	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.01	0.00	0.999993
Cd	110.904	Linear Thru Zero	0.00	0.00	0.999987
Sb	122.904	Linear Thru Zero	0.01	0.00	0.999998
Ba	136.905	Linear Thru Zero	0.00	0.00	0.999987
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Tl	202.972	Linear Thru Zero	0.01	0.00	1.000000
Pb	207.977	Linear Thru Zero	0.03	0.00	0.999997
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: Monday, November 29, 2004 15:30:55
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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			2.2	86.6
L>	Sc	45		ug/L			1277137.1	2.2
⌜	Cr	52		ug/L			7621.5	1.5
|	Mn	55		ug/L			890.0	2.0
|	Cu	65		ug/L			75.6	15.5
|	Zn	68		ug/L			533.1	11.3
|	As	75		ug/L			238.6	43.7
|	Se	82		ug/L			145.6	17.5
L>	Ge	74		ug/L			1186602.6	1.5
⌜	Ag	107		ug/L			27.8	18.3
|	Cd	111		ug/L			19.3	74.7
|	Sb	123		ug/L			21.9	50.4
|	Ba	137		ug/L			24.4	47.9
L>	Rh	103		ug/L			1273900.4	1.1
⌜	Tl	203		ug/L			126.7	12.1
|	Pb	208		ug/L			641.1	1.2
L>	Ho	165		ug/L			1167678.4	0.8

01216

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 1

Sample Description:
Sample Date/Time: Monday, November 29, 2004 15:33:56
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	4.6	2.222	2249.1	3.8
⌞>	Sc	45		ug/L		1277137.112	1281386.6	1.2
⌜	Cr	52	**5.000**	ug/L	3.3	7621.529	69065.1	1.3
⌞	Mn	55	**5.000**	ug/L	1.3	890.028	99175.3	1.1
⌞	Cu	65	**5.000**	ug/L	1.8	75.556	20182.0	1.5
⌞	Zn	68	**5.000**	ug/L	3.0	533.148	10192.7	1.5
⌞	As	75	**5.000**	ug/L	5.2	238.603	14165.3	6.8
⌞	Se	82	**5.000**	ug/L	7.0	145.556	1693.4	8.1
⌞>	Ge	74		ug/L		1186602.586	1178233.7	1.7
⌜	Ag	107	**5.000**	ug/L	1.5	27.778	69775.6	0.9
⌞	Cd	111	**5.000**	ug/L	5.2	19.333	15402.4	3.5
⌞	Sb	123	**5.000**	ug/L	1.3	21.920	41247.5	1.1
⌞	Ba	137	**5.000**	ug/L	1.9	24.444	25689.7	1.1
⌞>	Rh	103		ug/L		1273900.444	1245354.2	1.6
⌜	Tl	203	**5.000**	ug/L	1.3	126.667	61838.0	1.7
⌞	Pb	208	**5.000**	ug/L	1.5	641.117	201288.4	1.1
⌞>	Ho	165		ug/L		1167678.447	1187719.9	0.6

01217

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 2

Sample Description:
Sample Date/Time: Monday, November 29, 2004 15:36:54
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**9.856**	ug/L	6.0	2.222	4205.1	4.5
⌞>	Sc	45		ug/L		1277137.112	1286370.9	2.1
⌜	Cr	52	**9.944**	ug/L	2.4	7621.529	128499.0	2.5
⌞	Mn	55	**10.045**	ug/L	2.5	890.028	203995.7	2.6
⌞	Cu	65	**9.784**	ug/L	2.6	75.556	36649.2	1.2
⌞	Zn	68	**9.929**	ug/L	0.6	533.148	19383.6	1.0
⌞	As	75	**10.021**	ug/L	0.7	238.603	28652.7	2.0
⌞	Se	82	**10.050**	ug/L	3.5	145.556	3350.4	2.3
⌞>	Ge	74		ug/L		1186602.586	1189918.3	1.6
⌜	Ag	107	**9.999**	ug/L	1.5	27.778	141607.3	1.2
⌞	Cd	111	**10.036**	ug/L	1.6	19.333	31849.8	1.3
⌞	Sb	123	**9.976**	ug/L	1.0	21.920	82736.0	1.1
⌞	Ba	137	**10.003**	ug/L	0.6	24.444	52230.9	1.0
⌞>	Rh	103		ug/L		1273900.444	1264416.7	0.5
⌜	Tl	203	**9.986**	ug/L	1.0	126.667	126263.5	0.8
⌞	Pb	208	**9.967**	ug/L	1.3	641.117	406990.2	0.6
⌞>	Ho	165		ug/L		1167678.447	1222343.5	0.9

01218

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 3

Sample Description:
Sample Date/Time: Monday, November 29, 2004 15:39:53
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**24.815**	ug/L	5.1	2.222	10517.2	4.7
⌞>	Sc	45		ug/L		1277137.112	1324996.8	0.6
⌜	Cr	52	**25.063**	ug/L	2.9	7621.529	318425.1	2.0
⌞	Mn	55	**24.930**	ug/L	2.2	890.028	501620.1	2.7
⌞	Cu	65	**24.887**	ug/L	0.2	75.556	91744.8	0.9
⌞	Zn	68	**24.886**	ug/L	1.3	533.148	47068.5	0.7
⌞	As	75	**24.922**	ug/L	0.9	238.603	70334.9	1.7
⌞	Se	82	**24.883**	ug/L	2.0	145.556	7961.1	2.6
⌞>	Ge	74		ug/L		1186602.586	1198787.9	0.9
⌜	Ag	107	**25.016**	ug/L	0.6	27.778	357734.9	0.5
⌞	Cd	111	**24.920**	ug/L	2.5	19.333	78319.4	1.4
⌞	Sb	123	**24.973**	ug/L	1.7	21.920	207298.8	0.7
⌞	Ba	137	**24.975**	ug/L	3.7	24.444	130571.0	3.0
⌞>	Rh	103		ug/L		1273900.444	1272805.1	1.1
⌜	Tl	203	**25.015**	ug/L	1.8	126.667	317296.5	1.3
⌞	Pb	208	**25.011**	ug/L	1.2	641.117	1023164.4	0.7
⌞>	Ho	165		ug/L		1167678.447	1223201.2	1.9

01219

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 4

Sample Description:
Sample Date/Time: Monday, November 29, 2004 15:43:23
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**49.818**	ug/L	4.7	2.222	21155.7	3.7
⌞>	Sc	45		ug/L		1277137.112	1344010.5	1.1
⌜	Cr	52	**49.766**	ug/L	2.1	7621.529	635363.7	1.0
⌞	Mn	55	**49.649**	ug/L	0.8	890.028	1007543.3	0.8
⌞	Cu	65	**50.046**	ug/L	2.2	75.556	191008.6	1.4
⌞	Zn	68	**49.866**	ug/L	1.2	533.148	96005.3	2.4
⌞	As	75	**50.097**	ug/L	1.7	238.603	146698.6	2.0
⌞	Se	82	**50.215**	ug/L	2.6	145.556	16670.8	2.5
⌞>	Ge	74		ug/L		1186602.586	1238059.7	1.5
⌜	Ag	107	**50.103**	ug/L	2.4	27.778	743848.1	1.8
⌞	Cd	111	**50.096**	ug/L	1.0	19.333	163402.3	1.0
⌞	Sb	123	**50.044**	ug/L	0.8	21.920	429649.9	1.2
⌞	Ba	137	**49.865**	ug/L	1.3	24.444	266478.9	2.3
⌞>	Rh	103		ug/L		1273900.444	1312496.4	1.3
⌜	Tl	203	**50.003**	ug/L	1.3	126.667	657631.0	2.3
⌞	Pb	208	**49.942**	ug/L	1.4	641.117	2109232.7	0.3
⌞>	Ho	165		ug/L		1167678.447	1268123.4	1.6

01220

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICV

Sample Description: 25 PPB CHECK SOLUTION
Sample Date/Time: Monday, November 29, 2004 15:51:56
Number of Replicates: 3
Batch ID: 11-29-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**23.847**	ug/L	5.6	2.222	10384.9	7.1
⌞>	Sc	45		ug/L		1277137.112	1376912.0	1.4
⌜	Cr	52	**24.528**	ug/L	2.7	7621.529	316991.0	2.0
⌞	Mn	55	**25.961**	ug/L	1.0	890.028	526958.1	1.1
⌞	Cu	65	**25.252**	ug/L	3.1	75.556	96345.0	1.6
⌞	Zn	68	**25.097**	ug/L	2.2	533.148	48552.7	1.1
⌞	As	75	**25.299**	ug/L	1.2	238.603	74158.6	0.6
⌞	Se	82	**26.002**	ug/L	2.2	145.556	8699.3	0.5
⌞>	Ge	74		ug/L		1186602.586	1237358.7	1.7
⌜	Ag	107	**24.226**	ug/L	1.3	27.778	369191.2	1.1
⌞	Cd	111	**24.706**	ug/L	3.1	19.333	82712.3	2.6
⌞	Sb	123	**24.769**	ug/L	0.5	21.920	218260.4	0.7
⌞	Ba	137	**24.666**	ug/L	1.8	24.444	135278.7	1.5
⌞>	Rh	103		ug/L		1273900.444	1347014.3	0.6
⌜	Tl	203	**24.497**	ug/L	2.2	126.667	320406.9	1.1
⌞	Pb	208	**26.031**	ug/L	1.7	641.117	1093626.2	0.4
⌞>	Ho	165		ug/L		1167678.447	1261138.2	1.5

01221

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: ICB

Sample Description: BLANK
Sample Date/Time: Monday, November 29, 2004 15:59:57
Number of Replicates: 3
Batch ID: 11-29-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.016**	ug/L	28.4	2.222	8.9	21.7
⌞>	Sc	45		ug/L		1277137.112	1319047.3	1.2
⌜	Cr	52	**0.006**	ug/L	240.1	7621.529	8050.8	1.0
|	Mn	55	**0.001**	ug/L	60.8	890.028	950.0	0.7
|	Cu	65	**0.001**	ug/L	902.9	75.556	81.1	22.6
|	Zn	68	**-0.031**	ug/L	29.5	533.148	497.6	3.8
|	As	75	**0.006**	ug/L	481.9	238.603	268.1	33.4
|	Se	82	**0.067**	ug/L	65.6	145.556	174.4	9.8
⌞>	Ge	74		ug/L		1186602.586	1241245.6	1.5
⌜	Ag	107	**0.003**	ug/L	12.0	27.778	67.8	7.5
|	Cd	111	**-0.004**	ug/L	8.2	19.333	7.1	14.3
|	Sb	123	**0.014**	ug/L	26.6	21.920	148.7	23.6
|	Ba	137	**-0.000**	ug/L	436.0	24.444	24.4	20.8
⌞>	Rh	103		ug/L		1273900.444	1341291.9	1.5
⌜	Tl	203	**-0.002**	ug/L	113.3	126.667	116.7	20.0
|	Pb	208	**0.000**	ug/L	525.8	641.117	705.6	4.0
⌞>	Ho	165		ug/L		1167678.447	1273766.7	0.8

01222

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 0.5 PPB (RL)

Sample Description:
Sample Date/Time: Monday, November 29, 2004 16:08:51
Number of Replicates: 3
Batch ID: 11-29-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.489**	ug/L	5.1	2.222	205.6	6.8
⌞>	Sc	45		ug/L		1277137.112	1315226.8	2.1
⌜	Cr	52	**0.512**	ug/L	6.1	7621.529	14612.4	2.9
⌞	Mn	55	**0.539**	ug/L	6.0	890.028	12025.6	3.3
⌞	Cu	65	**0.565**	ug/L	2.3	75.556	2265.7	0.2
⌞	Zn	68	**0.423**	ug/L	10.7	533.148	1383.4	4.0
⌞	As	75	**0.508**	ug/L	9.1	238.603	1757.6	8.5
⌞	Se	82	**0.514**	ug/L	19.0	145.556	325.6	9.8
⌞>	Ge	74		ug/L		1186602.586	1255644.7	2.3
⌜	Ag	107	**0.493**	ug/L	1.9	27.778	7441.9	1.8
⌞	Cd	111	**0.522**	ug/L	6.5	19.333	1745.0	6.2
⌞	Sb	123	**0.518**	ug/L	4.0	21.920	4528.9	3.7
⌞	Ba	137	**0.520**	ug/L	3.6	24.444	2842.5	3.4
⌞>	Rh	103		ug/L		1273900.444	1329900.6	0.3
⌜	Tl	203	**0.525**	ug/L	6.5	126.667	7149.6	5.6
⌞	Pb	208	**0.523**	ug/L	1.4	641.117	23157.3	0.7
⌞>	Ho	165		ug/L		1167678.447	1288177.8	0.8

01223

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSA

Sample Description:
Sample Date/Time: Monday, November 29, 2004 16:14:47
Number of Replicates: 3
Batch ID: 11-29-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.037**	ug/L	50.2	2.222	15.6	44.6
⌞>	Sc	45		ug/L		1277137.112	1161365.0	1.1
⌜	Cr	52	**0.848**	ug/L	1.4	7621.529	16832.2	1.8
⌞	Mn	55	**4.250**	ug/L	1.7	890.028	78629.2	1.6
⌞	Cu	65	**4.297**	ug/L	5.3	75.556	14867.7	4.3
⌞	Zn	68	**4.212**	ug/L	2.0	533.148	7781.4	2.8
⌞	As	75	**0.471**	ug/L	23.5	238.603	1466.5	19.0
⌞	Se	82	**0.983**	ug/L	13.9	145.556	428.9	9.1
⌞>	Ge	74		ug/L		1186602.586	1117682.1	1.0
⌜	Ag	107	**0.052**	ug/L	1.0	27.778	773.4	2.2
⌞	Cd	111	**-0.416**	ug/L	27.5	19.333	-1298.5	26.4
⌞	Sb	123	**1.859**	ug/L	3.2	21.920	15568.3	0.7
⌞	Ba	137	**0.466**	ug/L	4.9	24.444	2448.0	4.5
⌞>	Rh	103		ug/L		1273900.444	1278931.9	2.6
⌜	Tl	203	**0.450**	ug/L	2.9	126.667	6035.7	3.7
⌞	Pb	208	**0.778**	ug/L	2.7	641.117	33450.7	3.6
⌞>	Ho	165		ug/L		1167678.447	1263461.9	0.9

01224

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSAB

Sample Description:
Sample Date/Time: Monday, November 29, 2004 16:17:46
Number of Replicates: 3
Batch ID: 11-29-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.030**	ug/L	30.0	2.222	13.3	25.0
⌞>	Sc	45		ug/L		1277137.112	1193935.3	0.9
⌜	Cr	52	**19.082**	ug/L	2.8	7621.529	230854.0	2.0
|	Mn	55	**23.600**	ug/L	2.5	890.028	445265.9	1.5
|	Cu	65	**21.531**	ug/L	1.7	75.556	76389.3	2.4
|	Zn	68	**19.982**	ug/L	0.6	533.148	36041.4	1.1
|	As	75	**19.550**	ug/L	0.9	238.603	53320.4	1.6
|	Se	82	**19.149**	ug/L	3.3	145.556	5994.6	4.5
⌞>	Ge	74		ug/L		1186602.586	1150015.5	1.3
⌜	Ag	107	**18.344**	ug/L	1.5	27.778	274118.6	1.4
|	Cd	111	**9.798**	ug/L	3.6	19.333	32168.3	1.4
|	Sb	123	**1.942**	ug/L	1.7	21.920	16803.8	1.2
|	Ba	137	**0.347**	ug/L	5.3	24.444	1890.1	3.2
⌞>	Rh	103		ug/L		1273900.444	1320998.9	2.1
⌜	Tl	203	**0.108**	ug/L	5.8	126.667	1612.3	4.6
|	Pb	208	**0.785**	ug/L	1.2	641.117	35173.7	1.5
⌞>	Ho	165		ug/L		1167678.447	1318459.1	1.0

01225

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:05:10
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**49.801**	ug/L	5.7	2.222	22808.2	5.9
⌞>	Sc	45		ug/L		1277137.112	1449044.8	1.3
⌜	Cr	52	**49.415**	ug/L	1.6	7621.529	697509.1	1.8
⌜	Mn	55	**50.251**	ug/L	1.8	890.028	1127072.0	1.0
⌜	Cu	65	**49.294**	ug/L	2.4	75.556	207965.4	1.8
⌜	Zn	68	**50.166**	ug/L	0.6	533.148	106744.9	1.3
⌜	As	75	**50.222**	ug/L	1.0	238.603	162554.2	1.0
⌜	Se	82	**50.578**	ug/L	2.0	145.556	18562.1	2.8
⌞>	Ge	74		ug/L		1186602.586	1368433.0	0.9
⌜	Ag	107	**48.965**	ug/L	0.9	27.778	796857.8	1.8
⌜	Cd	111	**49.665**	ug/L	0.7	19.333	177559.9	1.8
⌜	Sb	123	**50.425**	ug/L	0.6	21.920	474484.1	1.5
⌜	Ba	137	**49.188**	ug/L	1.6	24.444	288029.2	0.6
⌞>	Rh	103		ug/L		1273900.444	1438457.1	1.3
⌜	Tl	203	**50.958**	ug/L	3.5	126.667	731811.6	2.4
⌜	Pb	208	**50.798**	ug/L	2.3	641.117	2343203.3	0.9
⌞>	Ho	165		ug/L		1167678.447	1385187.1	1.6

01226

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:11:13
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.004**	ug/L	99.1	2.222	4.4	43.3
⌞>	Sc	45		ug/L		1277137.112	1453560.3	2.0
⌜	Cr	52	**0.014**	ug/L	194.6	7621.529	8757.2	4.0
|	Mn	55	**-0.001**	ug/L	143.1	890.028	973.4	5.7
|	Cu	65	**-0.002**	ug/L	142.5	75.556	75.6	16.7
|	Zn	68	**-0.045**	ug/L	74.1	533.148	506.4	14.2
|	As	75	**-0.019**	ug/L	131.0	238.603	210.4	38.1
|	Se	82	**0.012**	ug/L	284.2	145.556	167.8	8.0
⌞>	Ge	74		ug/L		1186602.586	1333253.4	1.8
⌜	Ag	107	**0.004**	ug/L	30.5	27.778	97.8	20.5
|	Cd	111	**-0.001**	ug/L	411.1	19.333	19.6	46.0
|	Sb	123	**0.142**	ug/L	2.0	21.920	1354.3	1.9
|	Ba	137	**0.001**	ug/L	127.9	24.444	35.6	28.6
⌞>	Rh	103		ug/L		1273900.444	1434178.9	0.4
⌜	Tl	203	**-0.001**	ug/L	210.8	126.667	134.4	19.9
|	Pb	208	**-0.001**	ug/L	60.0	641.117	704.5	2.8
⌞>	Ho	165		ug/L		1167678.447	1354571.5	0.6

01227

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124945-1

Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:42:41
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124945-1.043

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.307**	ug/L	9.6	2.222	128.9	11.7
⌞>	Sc	45		ug/L		1277137.112	1304134.6	3.7
⌜	Cr	52	**10.716**	ug/L	3.5	7621.529	134198.8	2.3
|	Mn	55	**219.421**	ug/L	1.0	890.028	4175347.7	2.5
|	Cu	65	**36.538**	ug/L	0.9	75.556	130889.3	2.3
|	Zn	68	**30.699**	ug/L	1.7	533.148	55641.2	1.1
|	As	75	**4.605**	ug/L	4.2	238.603	12860.7	3.6
|	Se	82	**2.055**	ug/L	5.4	145.556	776.7	3.9
⌞>	Ge	74		ug/L		1186602.586	1161593.7	1.7
⌜	Ag	107	**0.241**	ug/L	1.2	27.778	4241.7	1.1
|	Cd	111	**-0.462**	ug/L	12.7	19.333	-1749.7	12.2
|	Sb	123	**0.898**	ug/L	1.8	21.920	9106.5	1.4
|	Ba	137	**83.656**	ug/L	1.5	24.444	526600.9	2.2
⌞>	Rh	103		ug/L		1273900.444	1546089.1	0.7
⌜	Tl	203	**0.092**	ug/L	5.1	126.667	1703.4	5.1
|	Pb	208	**5.010**	ug/L	2.6	641.117	267615.4	0.5
⌞>	Ho	165		ug/L		1167678.447	1599368.6	2.1

01228

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:45:43
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\QC Std 3.044

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**46.302**	ug/L	5.0	2.222	20895.3	5.0
⌞>	Sc	45		ug/L		1277137.112	1427889.9	1.0
⌜	Cr	52	**47.235**	ug/L	1.3	7621.529	658246.8	2.2
|	Mn	55	**50.038**	ug/L	1.6	890.028	1107326.5	1.2
|	Cu	65	**49.828**	ug/L	1.9	75.556	207419.8	2.0
|	Zn	68	**51.659**	ug/L	1.9	533.148	108413.6	0.6
|	As	75	**50.961**	ug/L	0.7	238.603	162749.9	1.9
|	Se	82	**51.241**	ug/L	2.6	145.556	18545.4	0.8
⌞>	Ge	74		ug/L		1186602.586	1350233.9	1.9
⌜	Ag	107	**48.544**	ug/L	2.2	27.778	788175.5	1.5
|	Cd	111	**49.725**	ug/L	2.4	19.333	177365.9	2.1
|	Sb	123	**49.228**	ug/L	2.5	21.920	462101.8	0.3
|	Ba	137	**50.416**	ug/L	2.5	24.444	294552.5	0.9
⌞>	Rh	103		ug/L		1273900.444	1435530.0	2.3
⌜	Tl	203	**50.906**	ug/L	2.0	126.667	761914.6	0.9
|	Pb	208	**51.743**	ug/L	1.6	641.117	2487381.6	0.3
⌞>	Ho	165		ug/L		1167678.447	1443461.3	1.6

01229

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:51:46
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\QC Std 4.045

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	78.6	2.222	6.7	50.0
⌞>	Sc	45		ug/L		1277137.112	1322987.7	2.0
⌜	Cr	52	**-0.153**	ug/L	9.5	7621.529	6360.7	3.7
⌞	Mn	55	**0.071**	ug/L	9.9	890.028	2498.0	6.4
⌞	Cu	65	**0.018**	ug/L	34.3	75.556	156.7	16.1
⌞	Zn	68	**0.079**	ug/L	36.6	533.148	746.3	7.9
⌞	As	75	**-0.033**	ug/L	223.0	238.603	160.2	141.0
⌞	Se	82	**0.012**	ug/L	742.5	145.556	164.4	18.4
⌞>	Ge	74		ug/L		1186602.586	1307473.0	0.9
⌜	Ag	107	**0.005**	ug/L	10.9	27.778	105.6	7.3
⌞	Cd	111	**0.005**	ug/L	57.4	19.333	38.4	26.3
⌞	Sb	123	**0.033**	ug/L	0.9	21.920	321.4	1.3
⌞	Ba	137	**0.003**	ug/L	64.3	24.444	45.6	27.7
⌞>	Rh	103		ug/L		1273900.444	1372198.1	0.6
⌜	Tl	203	**0.005**	ug/L	19.8	126.667	224.4	8.6
⌞	Pb	208	**0.018**	ug/L	12.5	641.117	1572.3	8.3
⌞>	Ho	165		ug/L		1167678.447	1362024.2	1.9

01230

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MB

Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:54:19
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\MB.046

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.014**	ug/L	81.3	2.222	8.9	57.3
⌞>	Sc	45		ug/L		1277137.112	1474519.4	1.1
⌜	Cr	52	**0.022**	ug/L	89.6	7621.529	9326.4	3.0
|	Mn	55	**0.534**	ug/L	2.2	890.028	13332.9	3.3
|	Cu	65	**0.098**	ug/L	2.5	75.556	514.5	2.6
|	Zn	68	**1.851**	ug/L	0.2	533.148	4645.8	1.1
|	As	75	**0.018**	ug/L	527.1	238.603	338.1	89.7
|	Se	82	**0.010**	ug/L	421.3	145.556	175.6	7.2
⌞>	Ge	74		ug/L		1186602.586	1403193.5	1.3
⌜	Ag	107	**0.007**	ug/L	36.8	27.778	146.7	26.8
|	Cd	111	**0.002**	ug/L	38.9	19.333	29.8	6.8
|	Sb	123	**0.034**	ug/L	4.9	21.920	364.1	3.5
|	Ba	137	**0.029**	ug/L	41.6	24.444	207.8	35.0
⌞>	Rh	103		ug/L		1273900.444	1535962.7	2.0
⌜	Tl	203	**-0.001**	ug/L	281.1	126.667	153.3	19.9
|	Pb	208	**0.051**	ug/L	2.6	641.117	3393.5	0.5
⌞>	Ho	165		ug/L		1167678.447	1504382.5	1.4

MB

01231

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11 (5X)

Sample Description: 5X
Sample Date/Time: Monday, November 29, 2004 17:57:21
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11 (5X).047

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.013**	ug/L	78.5	2.222	8.9	57.3
⌞>	Sc	45		ug/L		1277137.112	1487987.8	2.9
⌜	Cr	52	**1.178**	ug/L	6.2	7621.529	25113.2	5.2
⌞	Mn	55	**5.797**	ug/L	2.4	890.028	130413.9	2.5
⌞	Cu	65	**0.856**	ug/L	1.3	75.556	3681.6	2.4
⌞	Zn	68	**2.049**	ug/L	5.3	533.148	4926.9	3.4
⌞	As	75	**0.181**	ug/L	147.5	238.603	851.1	99.6
⌞	Se	82	**0.213**	ug/L	5.1	145.556	244.4	2.1
⌞>	Ge	74		ug/L		1186602.586	1362949.8	1.2
⌜	Ag	107	**0.012**	ug/L	14.5	27.778	234.4	12.4
⌞	Cd	111	**-0.003**	ug/L	145.8	19.333	11.6	141.6
⌞	Sb	123	**0.108**	ug/L	7.1	21.920	1097.1	7.0
⌞	Ba	137	**1.997**	ug/L	2.8	24.444	12303.1	3.8
⌞>	Rh	103		ug/L		1273900.444	1509609.6	1.1
⌜	Tl	203	**0.003**	ug/L	63.2	126.667	198.9	14.3
⌞	Pb	208	**0.149**	ug/L	7.0	641.117	7920.9	5.7
⌞>	Ho	165		ug/L		1167678.447	1435604.5	0.7

01252

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11

Sample Description:
Sample Date/Time: Monday, November 29, 2004 18:00:21
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11.048

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.042**	ug/L	53.8	2.222	17.8	47.2
⌞>	Sc	45		ug/L		1277137.112	1187046.0	1.9
⌜	Cr	52	**8.080**	ug/L	1.0	7621.529	115013.5	1.1
⌞	Mn	55	**22.677**	ug/L	0.2	890.028	482458.6	0.8
⌞	Cu	65	**3.797**	ug/L	2.5	75.556	15253.7	2.0
⌞	Zn	68	**6.876**	ug/L	6.0	533.148	14369.1	6.5
⌞	As	75	**1.172**	ug/L	29.1	238.603	3852.0	27.9
⌞	Se	82	**0.895**	ug/L	13.2	145.556	467.8	9.6
⌞>	Ge	74		ug/L		1186602.586	1296495.1	0.9
⌜	Ag	107	**0.028**	ug/L	6.8	27.778	545.6	6.1
⌞	Cd	111	**-0.057**	ug/L	19.2	19.333	-203.8	21.0
⌞	Sb	123	**0.586**	ug/L	0.9	21.920	6193.2	0.6
⌞	Ba	137	**11.724**	ug/L	1.9	24.444	76795.9	1.9
⌞>	Rh	103		ug/L		1273900.444	1608470.0	0.5
⌜	Tl	203	**0.017**	ug/L	10.5	126.667	470.0	5.5
⌞	Pb	208	**0.652**	ug/L	58.3	641.117	37173.4	55.9
⌞>	Ho	165		ug/L		1167678.447	1674852.8	1.1

01233

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11D

Sample Description:
Sample Date/Time: Monday, November 29, 2004 18:03:16
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11D.049

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.033**	ug/L	13.7	2.222	15.6	12.4
⌞>	Sc	45		ug/L		1277137.112	1284114.7	0.7
⌜	Cr	52	**7.780**	ug/L	3.4	7621.529	113974.2	2.2
|	Mn	55	**23.139**	ug/L	1.4	890.028	505369.9	2.3
|	Cu	65	**3.830**	ug/L	3.5	75.556	15792.1	2.7
|	Zn	68	**7.639**	ug/L	1.8	533.148	16314.0	1.4
|	As	75	**0.513**	ug/L	231.3	238.603	1899.9	196.2
|	Se	82	**0.943**	ug/L	10.0	145.556	496.7	6.4
⌞>	Ge	74		ug/L		1186602.586	1330843.1	1.0
⌜	Ag	107	**0.027**	ug/L	8.4	27.778	527.8	7.6
|	Cd	111	**-0.042**	ug/L	37.2	19.333	-142.2	43.4
|	Sb	123	**0.534**	ug/L	8.7	21.920	5667.6	8.5
|	Ba	137	**11.487**	ug/L	1.9	24.444	75467.7	1.7
⌞>	Rh	103		ug/L		1273900.444	1613290.7	0.2
⌜	Tl	203	**0.014**	ug/L	42.2	126.667	411.1	24.2
|	Pb	208	**0.450**	ug/L	0.4	641.117	25559.0	2.0
⌞>	Ho	165		ug/L		1167678.447	1645752.3	2.4

01234

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11S

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 18:06:12
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11S.050

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**1.850**	ug/L	8.2	2.222	838.9	9.0
⌞>	Sc	45		ug/L		1277137.112	1429993.7	0.9
⌜	Cr	52	**7.629**	ug/L	2.5	7621.529	114166.5	3.0
⌞	Mn	55	**22.217**	ug/L	2.2	890.028	494727.6	1.6
⌞	Cu	65	**10.691**	ug/L	2.7	75.556	44786.8	1.0
⌞	Zn	68	**22.770**	ug/L	1.5	533.148	48373.3	0.6
⌞	As	75	**83.706**	ug/L	1.6	238.603	268465.1	0.7
⌞	Se	82	**87.090**	ug/L	3.1	145.556	31562.6	1.5
⌞>	Ge	74		ug/L		1186602.586	1357105.8	1.8
⌜	Ag	107	**11.871**	ug/L	0.8	27.778	203208.5	0.8
⌞	Cd	111	**2.069**	ug/L	2.2	19.333	7801.4	2.3
⌞	Sb	123	**59.817**	ug/L	1.0	21.920	591986.2	0.2
⌞	Ba	137	**81.532**	ug/L	2.4	24.444	502134.7	1.4
⌞>	Rh	103		ug/L		1273900.444	1513012.8	1.0
⌜	Tl	203	**83.268**	ug/L	2.8	126.667	1278447.0	2.4
⌞	Pb	208	**22.473**	ug/L	1.3	641.117	1108863.4	1.6
⌞>	Ho	165		ug/L		1167678.447	1480676.3	0.4

Spike

01235

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11SD

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 18:09:09
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11SD.051

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**1.949**	ug/L	5.7	2.222	830.0	4.2
⌞>	Sc	45		ug/L		1277137.112	1344815.0	1.8
⌜	Cr	52	**7.760**	ug/L	1.8	7621.529	113367.7	1.6
⌞	Mn	55	**21.346**	ug/L	1.1	890.028	464751.9	1.4
⌞	Cu	65	**10.769**	ug/L	0.3	75.556	44115.8	0.0
⌞	Zn	68	**22.337**	ug/L	2.1	533.148	46406.6	2.2
⌞	As	75	**84.836**	ug/L	0.9	238.603	266012.3	1.0
⌞	Se	82	**85.397**	ug/L	0.5	145.556	30266.5	0.2
⌞>	Ge	74		ug/L		1186602.586	1326581.4	0.3
⌜	Ag	107	**12.230**	ug/L	1.8	27.778	199492.2	1.0
⌞	Cd	111	**2.139**	ug/L	1.6	19.333	7688.0	3.0
⌞	Sb	123	**62.956**	ug/L	1.7	21.920	593711.8	0.6
⌞	Ba	137	**83.090**	ug/L	0.8	24.444	487732.4	1.1
⌞>	Rh	103		ug/L		1273900.444	1441973.2	1.9
⌜	Tl	203	**84.573**	ug/L	1.1	126.667	1267095.7	1.7
⌞	Pb	208	**22.411**	ug/L	2.3	641.117	1078818.4	1.8
⌞>	Ho	165		ug/L		1167678.447	1444699.5	0.6

01236

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11PS

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 18:12:06
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11PS.052

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**1.898**	ug/L	10.0	2.222	802.2	9.9
⌞>	Sc	45		ug/L		1277137.112	1333771.3	0.4
⌜	Cr	52	**7.750**	ug/L	2.4	7621.529	110636.3	2.3
|	Mn	55	**21.680**	ug/L	1.5	890.028	461142.0	1.2
|	Cu	65	**10.853**	ug/L	1.3	75.556	43434.8	1.2
|	Zn	68	**22.554**	ug/L	0.1	533.148	45774.1	0.4
|	As	75	**83.523**	ug/L	0.9	238.603	255878.7	0.7
|	Se	82	**85.944**	ug/L	1.9	145.556	29761.0	2.1
⌞>	Ge	74		ug/L		1186602.586	1296110.7	0.3
⌜	Ag	107	**11.665**	ug/L	3.2	27.778	192345.3	3.9
|	Cd	111	**2.099**	ug/L	3.2	19.333	7620.9	2.5
|	Sb	123	**60.387**	ug/L	0.5	21.920	575574.3	0.2
|	Ba	137	**80.563**	ug/L	2.4	24.444	477866.8	1.7
⌞>	Rh	103		ug/L		1273900.444	1457132.7	0.7
⌜	Tl	203	**83.421**	ug/L	2.4	126.667	1213209.9	2.2
|	Pb	208	**22.645**	ug/L	1.2	641.117	1058216.9	0.4
⌞>	Ho	165		ug/L		1167678.447	1402499.7	0.8

01237

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BS

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 18:15:04
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\BS.053

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**1.877**	ug/L	5.3	2.222	766.7	6.8
⌞>	Sc	45		ug/L		1277137.112	1288003.5	1.8
⌜	Cr	52	**6.892**	ug/L	1.5	7621.529	99761.2	1.0
⌞	Mn	55	**18.471**	ug/L	1.4	890.028	394878.8	1.9
⌞	Cu	65	**9.522**	ug/L	1.0	75.556	38294.6	0.8
⌞	Zn	68	**20.499**	ug/L	0.7	533.148	41847.4	0.7
⌞	As	75	**75.416**	ug/L	0.8	238.603	232142.6	1.3
⌞	Se	82	**75.859**	ug/L	2.3	145.556	26408.8	2.7
⌞>	Ge	74		ug/L		1186602.586	1302079.1	0.5
⌜	Ag	107	**11.107**	ug/L	4.1	27.778	178040.9	2.8
⌞	Cd	111	**1.912**	ug/L	2.0	19.333	6754.3	2.5
⌞	Sb	123	**52.639**	ug/L	3.6	21.920	487864.2	2.3
⌞	Ba	137	**74.770**	ug/L	1.1	24.444	431371.6	0.2
⌞>	Rh	103		ug/L		1273900.444	1417240.9	1.3
⌜	Tl	203	**76.654**	ug/L	0.5	126.667	1116483.5	0.9
⌞	Pb	208	**20.243**	ug/L	1.3	641.117	947482.4	1.3
⌞>	Ho	165		ug/L		1167678.447	1404526.5	0.7

012238

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BSD

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 18:18:02
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\BSD.054

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**1.808**	ug/L	9.2	2.222	738.9	9.1
⌞>	Sc	45		ug/L		1277137.112	1289048.4	0.6
⌜	Cr	52	**6.929**	ug/L	0.4	7621.529	102865.1	0.8
|	Mn	55	**18.669**	ug/L	1.3	890.028	409503.3	2.0
|	Cu	65	**9.523**	ug/L	2.1	75.556	39298.4	2.7
|	Zn	68	**22.410**	ug/L	1.4	533.148	46883.8	1.1
|	As	75	**77.570**	ug/L	1.0	238.603	244990.8	1.6
|	Se	82	**77.125**	ug/L	1.8	145.556	27543.2	1.3
⌞>	Ge	74		ug/L		1186602.586	1336008.3	0.7
⌜	Ag	107	**11.307**	ug/L	1.6	27.778	186388.1	0.7
|	Cd	111	**1.980**	ug/L	3.7	19.333	7192.3	3.4
|	Sb	123	**53.337**	ug/L	2.7	21.920	508345.4	2.5
|	Ba	137	**74.799**	ug/L	0.7	24.444	443684.6	0.3
⌞>	Rh	103		ug/L		1273900.444	1457063.2	0.9
⌜	Tl	203	**79.416**	ug/L	0.3	126.667	1172262.9	1.7
|	Pb	208	**20.500**	ug/L	2.0	641.117	972220.2	0.3
⌞>	Ho	165		ug/L		1167678.447	1423479.4	2.0

012339

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: LCS

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 18:21:00
Number of Replicates: 3
Batch ID: TP760
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\LCS.055

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**1.850**	ug/L	9.6	2.222	784.5	8.8
⌞>	Sc	45		ug/L		1277137.112	1338259.5	0.8
⌜	Cr	52	**7.044**	ug/L	0.4	7621.529	102691.6	1.2
⌞	Mn	55	**19.115**	ug/L	1.1	890.028	412252.9	1.9
⌞	Cu	65	**9.601**	ug/L	3.4	75.556	38945.3	2.1
⌞	Zn	68	**20.937**	ug/L	1.9	533.148	43106.7	0.7
⌞	As	75	**77.285**	ug/L	2.5	238.603	239968.3	1.6
⌞	Se	82	**80.396**	ug/L	4.9	145.556	28216.8	3.8
⌞>	Ge	74		ug/L		1186602.586	1313733.4	1.3
⌜	Ag	107	**10.669**	ug/L	1.7	27.778	179494.2	2.1
⌞	Cd	111	**1.917**	ug/L	1.0	19.333	7106.1	0.8
⌞	Sb	123	**51.873**	ug/L	1.6	21.920	504531.3	1.8
⌞	Ba	137	**74.726**	ug/L	1.5	24.444	452304.6	0.9
⌞>	Rh	103		ug/L		1273900.444	1486874.2	0.9
⌜	Tl	203	**77.051**	ug/L	1.5	126.667	1176868.8	3.5
⌞	Pb	208	**20.001**	ug/L	2.5	641.117	981233.4	0.9
⌞>	Ho	165		ug/L		1167678.447	1472592.7	2.0

LCS

01240

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Monday, November 29, 2004 18:24:01
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\QC Std 3.056

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**46.435**	ug/L	2.4	2.222	19498.9	4.1
⌞>	Sc	45		ug/L		1277137.112	1328231.6	1.7
⌜	Cr	52	**45.800**	ug/L	2.4	7621.529	621381.5	2.1
⌞	Mn	55	**47.761**	ug/L	1.7	890.028	1028788.3	1.3
⌞	Cu	65	**51.024**	ug/L	0.9	75.556	206735.3	1.4
⌞	Zn	68	**50.658**	ug/L	0.9	533.148	103499.4	0.9
⌞	As	75	**50.835**	ug/L	1.4	238.603	158007.2	1.9
⌞	Se	82	**52.053**	ug/L	2.4	145.556	18336.2	1.9
⌞>	Ge	74		ug/L		1186602.586	1314084.6	0.9
⌜	Ag	107	**49.829**	ug/L	0.3	27.778	801261.2	0.4
⌞	Cd	111	**51.493**	ug/L	1.5	19.333	181893.8	1.2
⌞	Sb	123	**51.624**	ug/L	1.1	21.920	479983.6	1.0
⌞	Ba	137	**51.251**	ug/L	1.0	24.444	296574.7	0.7
⌞>	Rh	103		ug/L		1273900.444	1421358.5	0.3
⌜	Tl	203	**51.792**	ug/L	1.7	126.667	751166.4	1.7
⌞	Pb	208	**53.259**	ug/L	1.4	641.117	2480779.0	0.8
⌞>	Ho	165		ug/L		1167678.447	1398543.7	1.0

01241

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Monday, November 29, 2004 18:30:04
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\QC Std 4.057

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.021**	ug/L	79.4	2.222	11.1	62.4
⌞>	Sc	45		ug/L		1277137.112	1341836.9	0.5
⌜	Cr	52	**-0.112**	ug/L	17.8	7621.529	7002.7	3.8
⌞	Mn	55	**0.024**	ug/L	3.0	890.028	1513.4	2.3
⌞	Cu	65	**0.005**	ug/L	21.2	75.556	106.7	3.1
⌞	Zn	68	**0.013**	ug/L	177.4	533.148	622.0	6.4
⌞	As	75	**0.043**	ug/L	126.0	238.603	398.6	40.7
⌞	Se	82	**0.038**	ug/L	352.3	145.556	175.6	25.5
⌞>	Ge	74		ug/L		1186602.586	1325034.3	1.3
⌜	Ag	107	**0.006**	ug/L	20.6	27.778	124.4	14.8
⌞	Cd	111	**-0.000**	ug/L	932.8	19.333	20.7	58.7
⌞	Sb	123	**0.157**	ug/L	6.4	21.920	1505.2	5.4
⌞	Ba	137	**-0.000**	ug/L	1363.9	24.444	26.7	54.5
⌞>	Rh	103		ug/L		1273900.444	1441676.1	0.9
⌜	Tl	203	**0.017**	ug/L	16.5	126.667	402.2	9.8
⌞	Pb	208	**0.007**	ug/L	17.0	641.117	1078.9	5.0
⌞>	Ho	165		ug/L		1167678.447	1403746.6	0.5

01242

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Monday, November 29, 2004 18:50:40
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\QC Std 3.064

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**48.150**	ug/L	3.5	2.222	18455.3	3.7
⌞>	Sc	45		ug/L		1277137.112	1212662.6	0.6
⌜	Cr	52	**45.196**	ug/L	1.6	7621.529	594163.9	2.2
⌞	Mn	55	**47.154**	ug/L	1.5	890.028	984046.5	2.3
⌞	Cu	65	**49.936**	ug/L	1.7	75.556	195993.4	2.0
⌞	Zn	68	**50.533**	ug/L	3.0	533.148	100011.3	3.0
⌞	As	75	**50.753**	ug/L	0.2	238.603	152806.8	0.6
⌞	Se	82	**51.343**	ug/L	1.2	145.556	17524.1	1.7
⌞>	Ge	74		ug/L		1186602.586	1272931.4	0.8
⌜	Ag	107	**48.668**	ug/L	4.5	27.778	797781.3	2.8
⌞	Cd	111	**50.707**	ug/L	2.4	19.333	182651.0	1.2
⌞	Sb	123	**49.739**	ug/L	1.9	21.920	471608.5	1.1
⌞	Ba	137	**52.068**	ug/L	0.7	24.444	307299.2	1.3
⌞>	Rh	103		ug/L		1273900.444	1449722.1	1.7
⌜	Tl	203	**52.158**	ug/L	0.7	126.667	796994.0	0.8
⌞	Pb	208	**52.885**	ug/L	0.6	641.117	2595518.6	1.2
⌞>	Ho	165		ug/L		1167678.447	1473416.3	0.6

01243

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

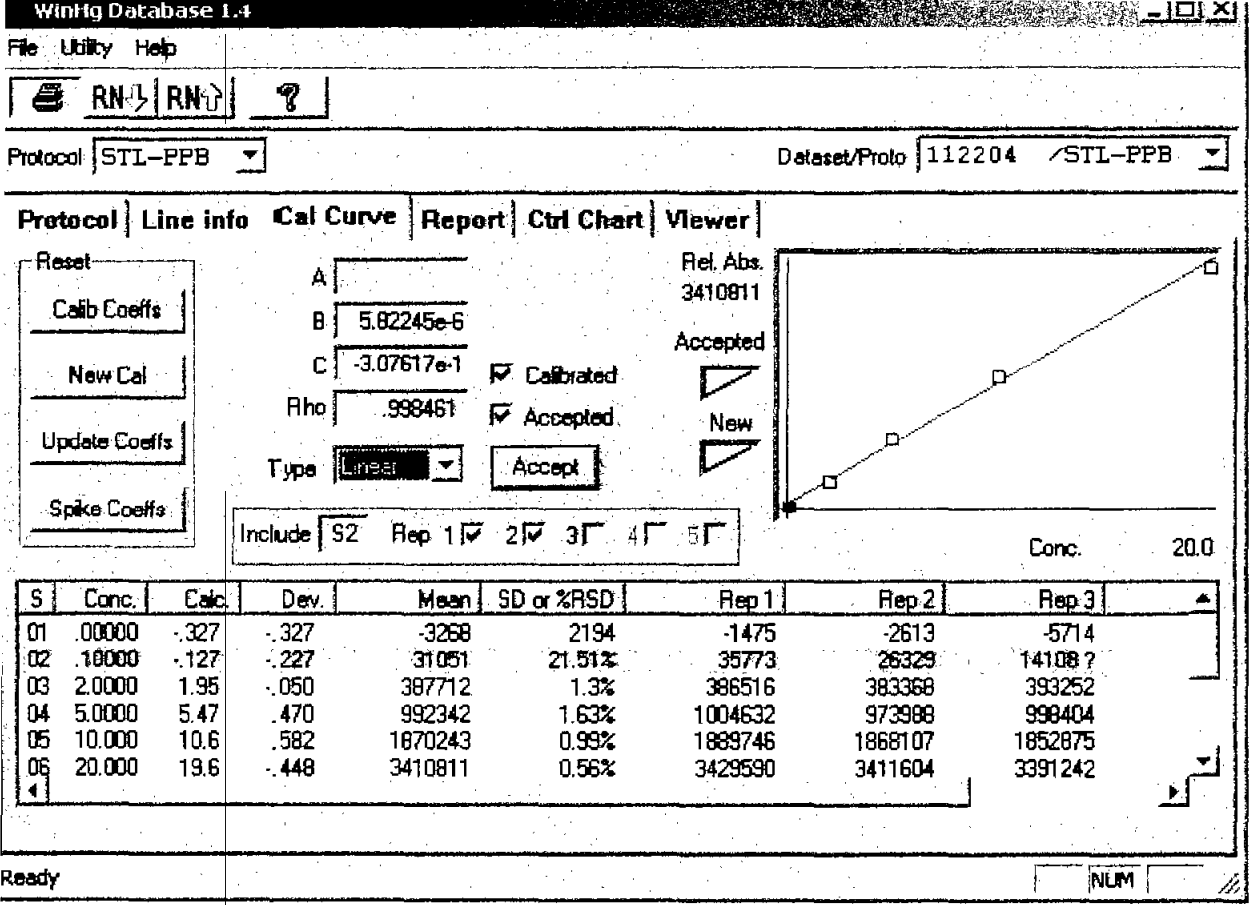
Sample Description:
Sample Date/Time: Monday, November 29, 2004 18:56:42
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\QC Std 4.065

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	145.7	2.222	5.6	91.7
⌞>	Sc	45		ug/L		1277137.112	1188711.2	1.6
⌜	Cr	52	**-0.246**	ug/L	2.9	7621.529	5040.4	1.4
⌞	Mn	55	**0.179**	ug/L	0.9	890.028	4737.5	0.9
⌞	Cu	65	**0.005**	ug/L	19.5	75.556	103.3	3.2
⌞	Zn	68	**0.348**	ug/L	5.4	533.148	1270.8	3.8
⌞	As	75	**0.001**	ug/L	4492.5	238.603	261.1	37.2
⌞	Se	82	**0.039**	ug/L	153.8	145.556	171.1	11.4
⌞>	Ge	74		ug/L		1186602.586	1287319.6	1.0
⌜	Ag	107	**0.007**	ug/L	7.2	27.778	145.6	5.3
⌞	Cd	111	**0.005**	ug/L	71.2	19.333	39.6	31.3
⌞	Sb	123	**0.032**	ug/L	6.1	21.920	329.6	5.3
⌞	Ba	137	**0.002**	ug/L	26.6	24.444	41.1	9.4
⌞>	Rh	103		ug/L		1273900.444	1441643.0	0.7
⌜	Tl	203	**0.004**	ug/L	10.4	126.667	217.8	3.9
⌞	Pb	208	**0.008**	ug/L	29.3	641.117	1183.4	11.2
⌞>	Ho	165		ug/L		1167678.447	1421140.7	1.8

012444


WinHg Database 1.4
File Utility Help
RN
RN
Protocol STL-PPB
Dataset/Proto 112204 /STL-PPB
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 5.82245e-6
C -3.07617e-1
Rho .998461
Type Linear
Calibrated
Accepted
Accept
Rel. Abs.
3410811
Accepted
New
Include S2 Rep 1 2 3 4 5
Conc. 20.0
S Conc. Calc Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.327 -.327 -3268 2194 -1475 -2613 -5714
02 .10000 -.127 -.227 31051 21.51% 35773 26329 14108 ?
03 2.0000 1.95 -.050 387712 1.3% 386516 383368 393252
04 5.0000 5.47 .470 992342 1.63% 1004632 973988 998404
05 10.000 10.6 .582 1870243 0.99% 1889746 1868107 1852875
06 20.000 19.6 -.448 3410811 0.56% 3429590 3411604 3391242
Ready
NUM

01245

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 2 Ck2 4 PPB Seq: 18 09:32:57 22 Nov 04 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 97.3 3.89 4.00 ppb .000 %

*** Check Standard: 3 Ck3 2 PPB Seq: 19 09:37:25 22 Nov 04 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 99.9 2.00 2.00 ppb .000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 20 09:42:04 22 Nov 04 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 103. 5.17 5.00 ppb .000 %

*** Check Standard: 1 Ck1 BLANK Seq: 21 09:58:04 22 Nov 04 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg .013 .200 ppb .000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 22 12:54:42 22 Nov 04 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 102. 5.08 5.00 ppb .000 %

*** Check Standard: 1 Ck1 BLANK Seq: 23 12:59:30 22 Nov 04 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg .037 .200 ppb .000 %

*** Sample ID: mb Seq: 31 13:36:37 22 Nov 04 HG
FCW Hg System#1
Hg .029 ppb .000 % .029

*** Sample ID: 124945-3 Seq: 32 13:41:18 22 Nov 04 HG
FCW Hg System#1
Hg .310 ppb .000 % .310

*** Sample ID: 124945-3d Seq: 33 13:45:52 22 Nov 04 HG
FCW Hg System#1
Hg .284 ppb .000 % .284

*** Check Standard: 4 Ck4 5 PPB Seq: 34 13:50:54 22 Nov 04 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 104. 5.18 5.00 ppb .000 %

*** Check Standard: 1 Ck1 BLANK Seq: 35 13:55:35 22 Nov 04 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg .022 .200 ppb .000 %

*** Sample ID: 124945-3dd Seq: 36 14:00:18 22 Nov 04 HG
FCW Hg System#1
Hg .360 ppb .000 % .360

*** Sample ID: 124945-3s Seq: 37 14:05:23 22 Nov 04 HG
FCW Hg System#1
Hg 2.19 ppb .000 % 2.19

*** Sample ID: 124945-3sd Seq: 38 14:10:01 22 Nov 04 HG
FCW Hg System#1
Hg 2.19 ppb .000 % 2.19

01246

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: era Seq: 39 14:14:34 22 Nov 04 HG
FCW Hg System#1

Hg	13.0	ppb	.000	%	13.0

ERA

*** Sample ID: bs Seq: 40 14:19:27 22 Nov 04 HG
FCW Hg System#1

Hg	1.93	ppb	.000	%	1.93

*** Sample ID: bsd Seq: 41 14:23:58 22 Nov 04 HG
FCW Hg System#1

Hg	1.86	ppb	.000	%	1.86

*** Sample ID: 124969-4 Seq: 42 14:28:31 22 Nov 04 HG
FCW Hg System#1

Hg	.086	ppb	.000	%	.086

*** Sample ID: 124969-6 Seq: 43 14:33:22 22 Nov 04 HG
FCW Hg System#1

Hg	.162	ppb	.000	%	.162

*** Sample ID: 124981-1 Seq: 44 14:38:13 22 Nov 04 HG
FCW Hg System#1

Hg	.311	ppb	.000	%	.311

*** Sample ID: 124988-1 Seq: 45 14:42:55 22 Nov 04 HG
FCW Hg System#1

Hg	.186	ppb	.000	%	.186

*** Check Standard: 4 Ck4 5 PPB Seq: 46 14:47:24 22 Nov 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.12	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 47 14:51:52 22 Nov 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.006	.200	ppb	.000 %

*** Sample ID: 124953-1 Seq: 48 14:56:51 22 Nov 04 HG
FCW Hg System#1

Hg	.029	ppb	.000	%	.029

*** Sample ID: 124953-2 Seq: 49 15:01:20 22 Nov 04 HG
FCW Hg System#1

Hg	.099	ppb	.000	%	.099

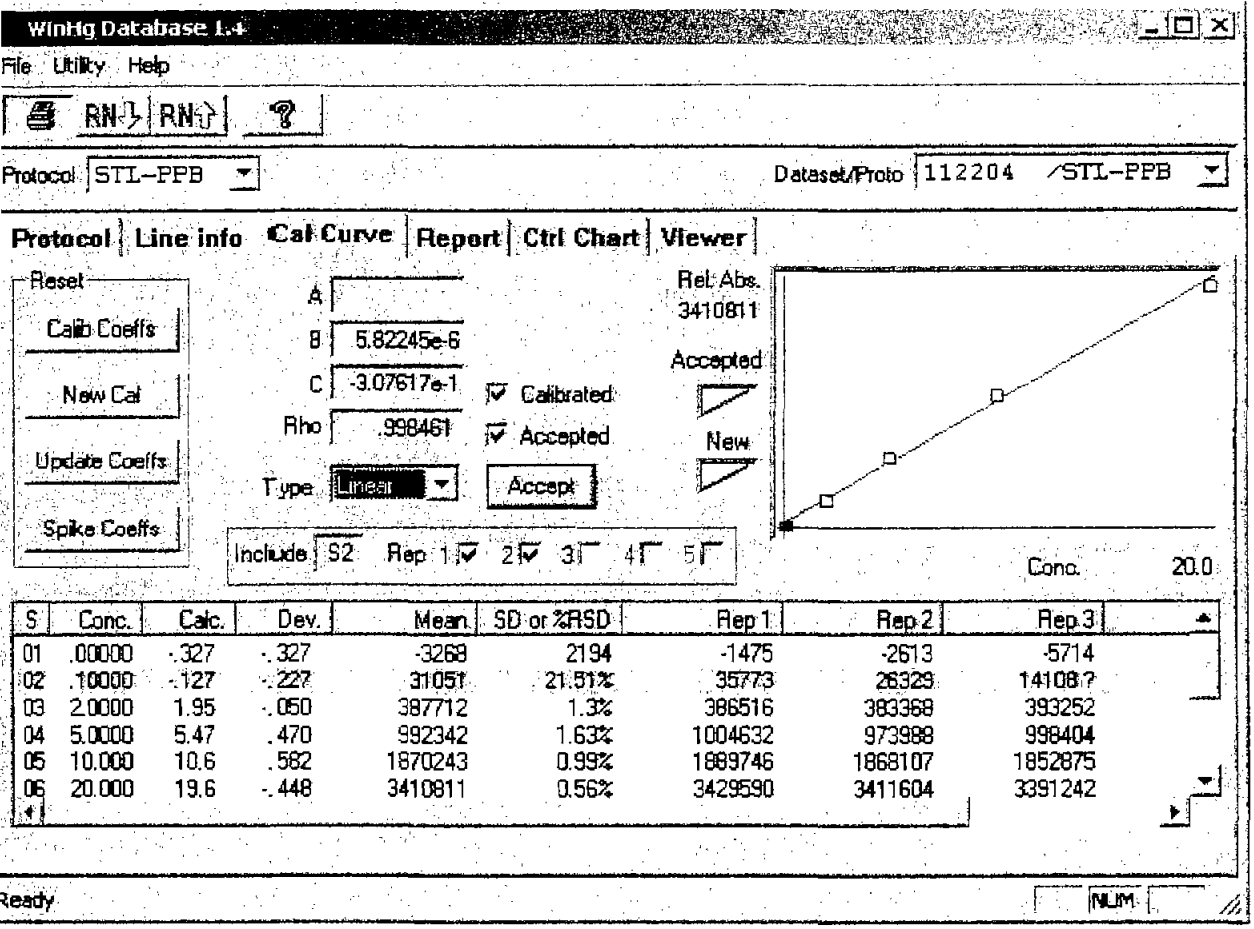
*** Check Standard: 4 Ck4 5 PPB Seq: 58 15:43:01 22 Nov 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.08	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 59 15:47:29 22 Nov 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.004	.200	ppb	.000 %

01247


WinHg Database 1.4
File Utility Help
RN RN
Protocol STL-PPB
Dataset/Proto 112204 /STL-PPB
Protocol Line info Cal Curve Report Ctrl Chart Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 5.82245e-6
C -3.07617e-1
Rho .998461
Type Linear
Calibrated
Accepted
Accept
Rel. Abs. 3410811
Accepted
New
Include S2 Rep 1 2 3 4 5
Conc. 20.0
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.327 -.327 -3268 2194 -1475 -2613 -5714
02 .10000 -.127 -.227 31051 21.51% 35773 26329 14108?
03 2.0000 1.95 -.050 387712 1.3% 386516 389368 389252
04 5.0000 5.47 .470 992342 1.63% 1004632 973988 998404
05 10.000 10.6 .582 1870243 0.99% 1889746 1868107 1852875
06 20.000 19.6 -.448 3410811 0.56% 3429590 3411604 3391242
Ready
NUM

01248

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 2 Ck2 4 PPB Seq: 18 09:32:57 22 Nov 04 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 97.3 3.89 4.00 ppb .000 %

*** Check Standard: 3 Ck3 2 PPB Seq: 19 09:37:25 22 Nov 04 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 99.9 2.00 2.00 ppb .000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 20 09:42:04 22 Nov 04 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 103. 5.17 5.00 ppb .000 %

*** Check Standard: 1 Ck1 BLANK Seq: 21 09:58:04 22 Nov 04 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg .013 .200 ppb .000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 58 15:43:01 22 Nov 04 HG
Line Flag %Rcv. Found True Units SD/RSD
Hg 102. 5.08 5.00 ppb .000 %

*** Check Standard: 1 Ck1 BLANK Seq: 59 15:47:29 22 Nov 04 HG
Line Flag Found Range(+/-) Units SD/RSD
Hg .004 .200 ppb .000 %

*** Sample ID: mb Seq: 61 15:56:44 22 Nov 04 HG
FCW Hg System#1
Hg .016 ppb .000 % .016 MB

*** Sample ID: 124945-1 Seq: 62 16:01:22 22 Nov 04 HG
FCW Hg System#1
Hg .076 ppb .000 % .076 Sample

*** Sample ID: 124945-1d Seq: 63 16:05:51 22 Nov 04 HG
FCW Hg System#1
Hg .057 ppb .000 % .057 Dup

*** Sample ID: 124945-1s Seq: 64 16:10:20 22 Nov 04 HG
FCW Hg System#1
Hg 1.95 ppb .000 % 1.95 Spike

*** Sample ID: 124945-1sd Seq: 65 16:15:08 22 Nov 04 HG
FCW Hg System#1
Hg 1.93 ppb .000 % 1.93

*** Sample ID: era Seq: 66 16:20:27 22 Nov 04 HG
FCW Hg System#1
Hg 1.92 ppb .000 % 1.92 ERA

*** Sample ID: bs Seq: 67 16:25:10 22 Nov 04 HG
FCW Hg System#1
Hg 1.91 ppb .000 % 1.91

*** Sample ID: bsd Seq: 68 16:29:39 22 Nov 04 HG
FCW Hg System#1
Hg 1.93 ppb .000 % 1.93

01249

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 124936-1 Seq: 69 16:34:12 22 Nov 04 HG
FCW Hg System#1

Hg	.080	ppb	.000	%	.080

*** Check Standard: 4 Ck4 5 PPB Seq: 70 16:38:40 22 Nov 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.09	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 71 16:43:09 22 Nov 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.009	.200	ppb	.000 %

*** Sample ID: 124946-2 Seq: 72 16:47:48 22 Nov 04 HG
FCW Hg System#1

Hg	.041	ppb	.000	%	.041

*** Sample ID: 124959-1 Seq: 73 16:52:47 22 Nov 04 HG
FCW Hg System#1

Hg	1.72	ppb	.000	%	1.72

*** Sample ID: 124944-3 Seq: 74 16:57:16 22 Nov 04 HG
FCW Hg System#1

Hg	.069	ppb	.000	%	.069

*** Check Standard: 4 Ck4 5 PPB Seq: 82 17:33:43 22 Nov 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	5.05	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 83 17:38:34 22 Nov 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.010	.200	ppb	.000 %

01250

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
[redacted]	[redacted]	2
Manganese	mg/kg	1
Mercury	mg/kg	0.1
[redacted]	[redacted]	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

01251

LABORATORY WORKSHEETS

01252

metals Worksheet - total

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:solid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie	T2/VOC/FREEZER

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

See attached

Sample number 124945-3	**%Solids**	Client Sample ID	041116SGA02SS
Sample Weight/Volume	**QA/QC Batch** SP751	Date Received	11/18/2004
		Date Sampled	11/16/2004 3:15:00 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 11/22/04

Reviewed by _____ Date 32712 11/27/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01253

metals Worksheet - total

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:Liquid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie	1

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP
"C" BRS
See attached

Sample number 124945-1	**%Solids**	Client Sample ID	041116SGA01GW
Sample Weight/Volume	**QA/QC Batch** TP760	Date Received	11/18/2004
		Date Sampled	1/16/2004 10:30:00 AM

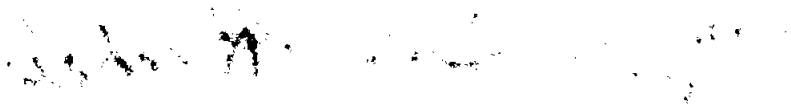
Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum					
Antimony		X			
Arsenic		X			
Barium		X			
Beryllium		X			
Cadmium		X			
Calcium					
Chromium		X			
Cobalt					
Copper		X			
Iron					
Lead		X			
Magnesium					
Manganese		X			
Nickel					
Potassium					
Selenium		X			
Silver		X			
Sodium					
Thallium		X			
Vanadium					
Zinc		X			

Analyst _____ Date 11/24/04

Reviewed by _____ Date 12/7/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01254



Mercury (CVAA) Worksheet - total

QC Level:Tier IV	**Due: 11/30/04**
Matrix:Liquid	**Work Order - 124945**
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

"C" BTLS

Sample number 124945-1	**%Solids**	Client Sample ID	041116SGA01GW
Sample Weight/Volume	**QA/QC Batch** ZT201	Date Received	11/18/2004
		Date Sampled	**1/16/2004 10:30:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

See attached

Lab ID 7470X

Analyst _____ Date 11/22/04

Reviewed by _____ Date 32716 11/24/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01255

Mercury (CVAA) Worksheet - total

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:solid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie	

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

See attached

Sample number 124945-3	**%Solids**	Client Sample ID	041116SGA02SS
Sample Weight/Volume	**QA/QC Batch** 25197	Date Received	11/18/2004
		Date Sampled	**11/16/2004 3:15:00 PM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury (CVAA)					

Under 7470X

Analyst _____

Reviewed by _____

Date 11/22/04

Date 3271 11/24/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01256

STL Seattle
METALS DIGESTION LOG

Date: 11/24/04 F
Analyst: _____

Nitric Acid Lot No.: 9106

QC Batch ID: IP760
HCl Lot No.: 5003

H2O2 Lot No.: N/A

Spike STL Std. No.: 1001-11-15, 1001-11-13
1001-09-18

Method:

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:
/								

F 11/24/04

Sample No.	Sample Size g / ml	Matrix	Spike Amt.	Final Vol., mls	Comments
124993-811	50ml	Water		50ml	
11 SD					
11 S			1ml		
11 SD					
8					
9					
10					
13					
14					
15					
124945-1					
125047-1					
BLK	50ml			50ml	
BS			1ml		
BSD					
LCS					

SPIKE WITNESSING: (CHECK OFF, SIGN & DATE)

Method
Special Spiking Instructions

Matrix
Spike Soln.
Amount Spiked

Signature: DCB
Date: 11/24/04

01257
00043

STL Seattle

Metals Digestion Log

QCBatch ID	SP751		
Sample Matrix	Soil Digestion Block (3050B Mod.)		
MS Spike No	GPS#1 : 1001-11-15	Weighed By/Date	11/22/04
	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	11/22/04

QC Sample Type	QC Identifier	Sample Wt (g)	Final Vol (mL)	Spike Vol
Method Blank	SP751	0.5000	50	
Duplicate	124945r3	0.5762	50	
Duplicate-2	124945r3	0.5724	50	
Blank Spike	sSP751	0.5000	50	1
Blank Spike Duplicate	dSP751	0.5000	50	1
Matrix Spike	124945s3	0.6217	50	1
Matrix Spike Duplicate	124945d3	0.5957	50	1
dup-2	none			
dup-2	none			
LCS				
ERA		0.5319	50	

Sample	Client Sample ID	Sample Weight (g)	Final Volume (mL)
124945-3	041116SGA02SS	0.5810	50
124953-1	S1	0.5076	50
124953-2	S2	0.5740	50
124956-1	70401 Paint Sample Comp	0.5064	50
124958-1	05-01150	0.5557	50
124958-2	05-01156	0.5381	50
124958-3	05-01157	0.6429	50
124969-4	TP-4-9	0.5845	50
124969-6	TP-6-8	0.6104	50
124981-1	Dump Soil	0.7002	50
124988-1	SN-CS-01 (A, B, & C)	0.6178	50
			50
			50
			50
			50
			50
			50
			50
			50
			50

012258

Printed - 11/22/04

Mercury Digestion Log

QCBatch ID	ZS197				
Sample Matrix	solid				
Hg Spike/Stds Soln Lot #	1001-10-10				
ERA/Chk Stds Spike Soln.	11-35HG	Weighed By/Date	11/22/04		
		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	11/22/04		
NaCl Lot #	8438				
Hydroxylamine Sulfate Lot #	8133				
Digestion Procedure	7471A				

QC Sample Type	QC Identifier	Sample Weight (g)	Final Volume (ml)	MS/BS spike amt. (ml)	Standards
Method Blank	ZS197	0.5000	50		Blank ppb
Duplicate	124945r3	0.6079	50		0.1 ppb
Duplicate-2	124945r3	0.5829	50		2.0 ppb
Blank Spike	sZS197	0.5000	50	1	5.0 ppb
Blank Spike Duplicate	dZS197	0.5000	50	1	10.0 ppb
Matrix Spike	124945s3	0.5248	50	1	20.0 ppb
Matrix Spike Duplicate	124945d3	0.5233	50	1	100
Matrix Spike-2					
Matrix Spike Duplicate-2					
ERA	D038-540	0.1795	50		

Sample	Client Sample ID	Sample Weight (g)	Final Volume (ml)	Comments	Check Stds
124945-3	041116SGA02SS	0.5044	50	100	Blank ppb
124969-4	TP-4-9	0.5065	50	100	5.0 ppb
124969-6	TP-6-8	0.5950	50	100	2.0 ppb
124981-1	Dump Soil	0.6995	50	100	4.0 ppb
124988-1	-CS-01 (A, B, &	0.5220	50	100	
124953-1	S1	0.6182	50	100	
124953-2	S2	0.6109	50	100	
					Bath Temp

01259

Mercury Digestion Log

QCBatch ID	zt201
Sample Matrix	liquid
Hg Spike/Stds Soln Lot #	11-35HG
ERA/Chk Stds Spike Soln.	1001-10-10
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	7470A

Weighed By/Date 11/22/04

Extracted By/Date

Comments

Spike Witness Signature/Date 11/23/04

QC Sample Type	QC Identifier	Sample Weight (ml)	Final Volume (ml)	MS/BS spike amt (ml)	Standards
Method Blank	zt201	50.0000	50		Blank ppb
Duplicate	124945r1	50.0000	50		0.1 ppb
Duplicate-2					2.0 ppb
Blank Spike	szt201	50.0000	50	1	5.0 ppb
Blank Spike Duplicate	dzt201	50.0000	50	1	10.0 ppb
Matrix Spike	124945s1	50.0000	50	1	20.0 ppb
Matrix Spike Duplicate	124945d1	50.0000	50	1	100
Matrix Spike-2					
ERA-B2095D13		50.0000	50		100

Sample	Client Sample ID	Sample Weight (ml)	Final Volume (ml)	Comments	Check Stds
124945-1	41116SGA01G	50.0000	50	100	Blank ppb
124936-1	Influent	50.0000	50	100	5.0 ppb
124946-2	6101-13	50.0000	50	100	2.0 ppb
124959-1	through composit	50.0000	50	100	4.0 ppb
124944-3	11110-1E	10.0000	50	100	
					Bath Temp

01260

STL Seattle

6a **Sample Information** — 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**124945**
Sample Number	**3**
Data Filename	**sp751**
Client Sample ID	**041116SGA02SS**
Date Received	**11-18-04**
Date Prepared	**11-22-04**
Date Analyzed	**11-22-04**
Sample matrix type	**solid**
QC sample type	**sample**

Related Blan sp751

Sample weight (g)	**0.581**	=	0.00058	/kg	Calc. Fact.	101.316835
Digest volume	**50**	=	50	ml	Dry Weight	0.4935014 g
Dilution Factor		=	1		Sample Units	mg/kg
% Solids	**84.94**	=	0.8494		Spike Factor	2.0263367
		=	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
	Arsenic	0.064609			6.55		2.03
x	Aluminum	100.3451		0.01612	10200	B2	10.1
	Barium	0.726068			73.6		0.507
	Beryllium	0.003553			0.36		0.203
	Cadmium	0.000713			0.0723	J	0.507
x	Calcium	56.30058			5700		101
	Chromium	0.157716			16		1.01
x	Cobalt	0.133616			13.5		0.507
	Copper	0.441058			44.7		1.01
x	Iron	234.3077			23700		10.1
	Lead	0.054736			5.55		1.01
	Magnesium	56.95104			5770		101
	Manganese	3.694691			374		1.01
x	Nickel	0.171766			17.4		1.01
x	Potassium	5.366128			544		101
	Silver	0.000575			0.0583	J	1.01
x	Vanadium	0.535729			54.3		1.01
	Zinc	0.44883			45.5		1.01

01261

STL Seattle

6a **Sample Information** — 6010 method is selected

Client Name	URS Corporation
Work Order Number	124945
Sample Number	3
Data Filename	sp751
Client Sample ID	041116SGA02SS
Date Received	11-18-04
Date Prepared	11-22-04
Date Analyzed	11-22-04
Sample matrix type	solid
QC sample type	sample

Related Blan sp751

Sample weight (g)	0.581	=	0.00058	/kg	Calc. Fact. 101.316835
Digest volume	50	=	50	ml	Dry Weight 0.4935014 g
Dilution Factor		=	1		Sample Units mg/kg
% Solids	84.94	=	0.8494		Spike Factor 2.0263367
		=	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
	Arsenic	0.064609			6.55		2.03
x	Aluminum	100.3451		0.01612	10200	B2	10.1
	Barium	0.726068			73.6		0.507
	Beryllium	0.003553			0.36		0.203
	Cadmium	0.000713			0.0723	J	0.507
x	Calcium	56.30058			5700		101
	Chromium	0.157716			16		1.01
x	Cobalt	0.133616			13.5		0.507
	Copper	0.441058			44.7		1.01
x	Iron	234.3077			23700		10.1
	Lead	0.054736			5.55		1.01
x	Magnesium	56.95104			5770		101
	Manganese	3.694691			374		1.01
x	Nickel	0.171766			17.4		1.01
x	Potassium	5.366128			544		101
	Silver	0.000575			0.0583	J	1.01
x	Vanadium	0.535729			54.3		1.01
	Zinc	0.44883			45.5		1.01

01262

STL Seattle

6a **Sample Information** — 6010 method is selected

Client Name	
Work Order Number	
Sample Number	Related Blan noblank
Data Filename	**sp751**
Client Sample ID	
Date Received	
Date Prepared	**11-22-04**
Date Analyzed	**11-22-04**
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	Aluminum	0.016122			1.61	J	10

01263

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blan	noblank
Data Filename	**sp751**				
Client Sample ID					
Date Received					
Date Prepared	**11-22-04**				
Date Analyzed	**11-22-04**				
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	Chromium	0.000142			0.0142	J	0.05
x	Copper	0.000078			0.0078	J	0.05
x	Lead	0.000113			0.0113	J	0.05
x	Manganese	0.000326			0.0326	J	0.05
x	Zinc	0.005416			0.542	J	1

01264

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**124945**				
Sample Number	**3**			Related Blan	zs197
Data Filename	**zs197**				
Client Sample ID	**41116SGA02SS**				
Date Received	**11-18-04**				
Date Prepared	**11-22-04**				
Date Analyzed	**11-22-04**				
Sample matrix type	**solid**				
QC sample type	**sample**				
Sample weight (g)	**0.5044**	=	0.0005 /kg	Calc. Fact.	116.703175
Digest volume	**50**	=	50 ml	Dry Weight	.42843736 g
Dilution Factor		=	1	Sample Unit	mg/kg
% Solids	**84.94**	=	0.8494	Spike Factor	2.33406349
		=	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	0.00031			0.0362		0.0233

01265

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blan	noblank
Data Filename	**zs197**				
Client Sample ID					
Date Received					
Date Prepared	**11-22-04**				
Date Analyzed	**11-22-04**				
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

01266

STL Seattle

6a **Sample Information** — 6010 method is selected

Client Name	
Work Order Number	
Sample Number	Related Blan noblank
Data Filename	**tp760**
Client Sample ID	
Date Received	
Date Prepared	**11-24-04**
Date Analyzed	**11-24-04**
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	Aluminum	0.010438			0.0104	J	0.1

01267

STL Seattle

6a **Sample Information** — 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**124945**
Sample Number	**1**
Data Filename	**tp760**
Client Sample ID	**41116SGA01GW**
Date Received	**11-18-04**
Date Prepared	**11-24-04**
Date Analyzed	**11-25-04**
Sample matrix type	**liquid**
QC sample type	**sample**

Related Blan tp760

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	12.3572		0.01044	12.4	B2	0.1
x	Calcium	33.65348			33.7		1
x	Cobalt	0.006457			0.00646		0.005
x	Iron	16.49188			16.5		0.1
x	Magnesium	11.83616			11.8		1
x	Nickel	0.008956			0.00896	J	0.01
x	Potassium	2.05336			2.05		1
x	Sodium	10.68581			10.7		1
x	Vanadium	0.031543			0.0315		0.01

01268

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**124945**				
Sample Number	**1**			Related Blan	tp760
Data Filename	**tp760**				
Client Sample ID	**41116SGA01GW**				
Date Received	**11-18-04**				
Date Prepared	**11-24-04**				
Date Analyzed	**11-29-04**				
Sample matrix type	**liquid**				
QC sample type	**sample**				
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	0.004605			0.00461		0.0005
x	Antimony	0.000898		3.4E-05	0.000898	B2	0.0005
x	Barium	0.083656		2.9E-05	0.0837	B2	0.0005
x	Beryllium	0.000307			0.000307	J	0.0005
x	Chromium	0.010716			0.0107		0.0005
x	Copper	0.036538		9.8E-05	0.0365	B2	0.0005
x	Lead	0.00501		5.1E-05	0.00501	B2	0.0005
x	Manganese	0.219421		0.00053	0.219	B2	0.0006
x	Selenium	0.002055			0.00206		0.0005
x	Silver	0.000241			0.000241		0.0001
x	Thallium	0.000092			0.000092	J	0.0005
x	Zinc	0.030699		0.00185	0.0307	B2	0.002

01269

STL Seattle

6a **Sample Information**

Client Name		
Work Order Number		
Sample Number		Related Blan noblank
Data Filename	**tp760**	
Client Sample ID		
Date Received		
Date Prepared	**11-24-04**	
Date Analyzed	**11-29-04**	
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	Antimony	0.000034			0.000034	J	0.0005
x	Barium	0.000029			0.000029	J	0.0005
x	Copper	0.000098			0.000098	J	0.0005
x	Lead	0.000051			0.000051	J	0.0005
x	Manganese	0.000534			0.000534	J	0.0006
x	Zinc	0.001851			0.00185	J	0.002

01270

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**124945**				
Sample Number	**1**			Related Blan	zt201
Data Filename	**zt201**				
Client Sample ID	**41116SGA01GW**				
Date Received	**11-18-04**				
Date Prepared	**11-22-04**				
Date Analyzed	**11-22-04**				
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
x	Mercury	0.000076			0.000076	J	0.0002

01271

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blan	noblank
Data Filename	**zt201**				
Client Sample ID					
Date Received					
Date Prepared	**11-22-04**				
Date Analyzed	**11-22-04**				
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

01272

DISSOLVED METALS DATA PACKAGE

01273

Sequence No.: 1
Sample ID: Calib Blank 1
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 11/24/04 7:01:20 AM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:20:01 AM,

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Lu 261.542	349062.4	3685.34	1.06%	100.0	%
Sc 361.383	713180.8	7401.58	1.04%	100.0	%
Ni 231.604†	-13.3	7.63	57.33%	[0.00]	mg/L
Co 228.616†	-2.0	9.80	499.08%	[0.00]	mg/L
V 292.402†	102.0	22.17	21.72%	[0.00]	mg/L
K 766.490†	1.9	0.46	24.68%	[0.00]	mg/L
Na 330.237	105.8	72.20	68.24%	[0.00]	mg/L
Al 308.215†	-202.3	56.15	27.76%	[0.00]	mg/L
Fe 273.955†	-55.9	7.08	12.65%	[0.00]	mg/L
Ca 315.887†	-12.0	6.59	54.74%	[0.00]	mg/L
Mg 279.077†	-23.4	0.98	4.19%	[0.00]	mg/L

Sequence No.: 2
Sample ID: High Standard
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 11/24/04 7:07:36 AM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:20:01 AM,

Mean Data: High Standard

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Lu 261.542	354914.2	8058.28	2.27%	101.7	%
Sc 361.383	728879.5	13956.34	1.91%	102.2	%
Ni 231.604†	54731.5	1253.57	2.29%	[2.00]	mg/L
Co 228.616†	69779.8	1697.48	2.43%	[2.00]	mg/L
V 292.402†	237516.5	5428.56	2.29%	[2.00]	mg/L
K 766.490†	1051.0	22.64	2.15%	[20.0]	mg/L
Na 330.237	12595.5	45.02	0.36%	[20.0]	mg/L
Al 308.215†	237720.0	5023.56	2.11%	[20.0]	mg/L
Fe 273.955†	317652.5	7135.96	2.25%	[20.0]	mg/L
Ca 315.887†	34416.1	879.46	2.56%	[20.0]	mg/L
Mg 279.077†	9432.4	240.82	2.55%	[20.0]	mg/L

Sequence No.: 3
Sample ID: ICV
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 3
Date Collected: 11/24/04 7:18:06 AM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:20:02 AM,

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	363906.9	104.3	%	1.39				1.33%
Sc 361.383	748263.4	104.9	%	1.40				1.34%
Ni 231.604†	11364.2	0.4153	mg/L	0.00492	0.4153	mg/L	0.00492	1.18%
QC value within limits for Ni 231.604 Recovery = 103.82%								
Co 228.616†	17797.1	0.5101	mg/L	0.00595	0.5101	mg/L	0.00595	1.17%
QC value within limits for Co 228.616 Recovery = 102.02%								
V 292.402†	59615.1	0.5020	mg/L	0.00945	0.5020	mg/L	0.00945	1.88%
QC value within limits for V 292.402 Recovery = 100.40%								
K 766.490†	535.3	10.19	mg/L	0.179	10.19	mg/L	0.179	1.75%
QC value within limits for K 766.490 Recovery = 101.87%								
Na 330.237	3144.7	4.993	mg/L	0.0400	4.993	mg/L	0.0400	0.80%
QC value within limits for Na 330.237 Recovery = 99.87%								
Al 308.215†	23940.9	2.014	mg/L	0.0347	2.014	mg/L	0.0347	1.72%

01274

QC value within limits for Al 308.215 Recovery = 100.71%

Fe 273.955†	16221.9	1.021 mg/L	0.0120	1.021 mg/L	0.0120	1.17%

QC value within limits for Fe 273.955 Recovery = 102.14%

Ca 315.887†	8658.2	5.031 mg/L	0.0534	5.031 mg/L	0.0534	1.06%

QC value within limits for Ca 315.887 Recovery = 100.63%

Mg 279.077†	2357.0	4.998 mg/L	0.0698	4.998 mg/L	0.0698	1.40%

QC value within limits for Mg 279.077 Recovery = 99.95%

All analytes passed QC.

==========

Sequence No.: 4 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 11/24/04 7:29:12 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:20:03 AM,**

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	357803.2	102.5	%	1.64				1.60%
Sc 361.383	735167.9	103.1	%	1.66				1.61%
Ni 231.604†	22.4	0.0008	mg/L	0.00026	0.0008	mg/L	0.00026	31.21%

QC value within limits for Ni 231.604 Recovery = Not calculated

Co 228.616†	7.9	0.0002	mg/L	0.00004	0.0002	mg/L	0.00004	18.43%

QC value within limits for Co 228.616 Recovery = Not calculated

V 292.402†	-8.2	-0.0001	mg/L	0.00057	-0.0001	mg/L	0.00057	826.80%

QC value within limits for V 292.402 Recovery = Not calculated

K 766.490†	4.3	0.0827	mg/L	0.00774	0.0827	mg/L	0.00774	9.37%

QC value within limits for K 766.490 Recovery = Not calculated

Na 330.237	-59.5	-0.0945	mg/L	0.11667	-0.0945	mg/L	0.11667	123.40%

QC value within limits for Na 330.237 Recovery = Not calculated

Al 308.215†	-125.4	-0.0105	mg/L	0.00395	-0.0105	mg/L	0.00395	37.46%

QC value within limits for Al 308.215 Recovery = Not calculated

Fe 273.955†	7.5	0.0005	mg/L	0.00050	0.0005	mg/L	0.00050	105.26%

QC value within limits for Fe 273.955 Recovery = Not calculated

Ca 315.887†	0.3	0.0002	mg/L	0.00300	0.0002	mg/L	0.00300	>999.9%

QC value within limits for Ca 315.887 Recovery = Not calculated

Mg 279.077†	8.0	0.0169	mg/L	0.00700	0.0169	mg/L	0.00700	41.48%

QC value within limits for Mg 279.077 Recovery = Not calculated

All analytes passed QC.

==========

Sequence No.: 5 **Autosampler Location: 4**
Sample ID: RL-STD **Date Collected: 11/24/04 7:45:55 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:20:04 AM,**

Mean Data: RL-STD

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	366126.2	104.9	%	1.18				1.12%
Sc 361.383	754112.4	105.7	%	1.09				1.03%
Ni 231.604†	318.8	0.0116	mg/L	0.00010	0.0116	mg/L	0.00010	0.87%

QC value within limits for Ni 231.604 Recovery = 116.48%

Co 228.616†	361.1	0.0103	mg/L	0.00004	0.0103	mg/L	0.00004	0.38%

QC value within limits for Co 228.616 Recovery = 103.49%

V 292.402†	1131.4	0.0095	mg/L	0.00025	0.0095	mg/L	0.00025	2.68%

QC value within limits for V 292.402 Recovery = 95.27%

K 766.490†	52.8	1.005	mg/L	0.0447	1.005	mg/L	0.0447	4.45%

QC value within limits for K 766.490 Recovery = 100.55%

Na 330.237	581.9	0.9240	mg/L	0.25233	0.9240	mg/L	0.25233	27.31%

QC value within limits for Na 330.237 Recovery = 92.40%

Al 308.215†	11572.0	0.9736	mg/L	0.01190	0.9736	mg/L	0.01190	1.22%

QC value within limits for Al 308.215 Recovery = 97.36%

Fe 273.955†	16212.5	1.021	mg/L	0.0149	1.021	mg/L	0.0149	1.46%

QC value within limits for Fe 273.955 Recovery = 102.08%

Ca 315.887†	1761.9	1.024	mg/L	0.0181	1.024	mg/L	0.0181	1.77%

QC value within limits for Ca 315.887 Recovery = 102.39%

01275

Mg 279.077† 487.7 1.034 mg/L 0.0242 1.034 mg/L 0.0242 2.34%
QC value within limits for Mg 279.077 Recovery = 103.40%
All analytes passed QC.

Sequence No.: 6 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 11/24/04 7:58:00 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:20:05 AM,**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	324647.9	93.01	%	1.453				1.56%
Sc 361.383	653603.2	91.65	%	1.780				1.94%
Ni 231.604†	-29.8	-0.0011	mg/L	0.00025	-0.0011	mg/L	0.00025	22.87%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	-25.2	-0.0007	mg/L	0.00033	-0.0007	mg/L	0.00033	45.58%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	12.0	0.0001	mg/L	0.00032	0.0001	mg/L	0.00032	316.79%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	45.9	0.8736	mg/L	0.04985	0.8736	mg/L	0.04985	5.71%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	76032.4	120.7	mg/L	1.28	120.7	mg/L	1.28	1.06%
QC value within limits for Na 330.237 Recovery = 120.73%								
Al 308.215†	1449749.8	122.0	mg/L	2.06	122.0	mg/L	2.06	1.69%
QC value within limits for Al 308.215 Recovery = 101.64%								
Fe 273.955†	7090703.2	446.4	mg/L	7.58	446.4	mg/L	7.58	1.70%
QC value within limits for Fe 273.955 Recovery = 89.29%								
Ca 315.887†	1050454.0	610.4	mg/L	9.76	610.4	mg/L	9.76	1.60%
QC value within limits for Ca 315.887 Recovery = 101.74%								
Mg 279.077†	139885.3	296.6	mg/L	4.48	296.6	mg/L	4.48	1.51%
QC value within limits for Mg 279.077 Recovery = 98.87%								

All analytes passed QC.

Sequence No.: 7 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 11/24/04 8:03:43 AM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:20:07 AM,**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	330567.3	94.70	%	0.476				0.50%
Sc 361.383	664460.9	93.17	%	0.655				0.70%
Ni 231.604†	73523.4	2.687	mg/L	0.0088	2.687	mg/L	0.0088	0.33%
QC value within limits for Ni 231.604 Recovery = 89.56%								
Co 228.616†	94327.8	2.704	mg/L	0.0077	2.704	mg/L	0.0077	0.29%
QC value within limits for Co 228.616 Recovery = 90.12%								
V 292.402†	357299.0	3.009	mg/L	0.0070	3.009	mg/L	0.0070	0.23%
QC value within limits for V 292.402 Recovery = 100.29%								
K 766.490†	11950.1	227.4	mg/L	1.25	227.4	mg/L	1.25	0.55%
QC value within limits for K 766.490 Recovery = 113.70%								
Na 330.237	75222.5	119.4	mg/L	1.08	119.4	mg/L	1.08	0.90%
QC value within limits for Na 330.237 Recovery = 119.44%								
Al 308.215†	1441803.0	121.3	mg/L	0.33	121.3	mg/L	0.33	0.27%
QC value within limits for Al 308.215 Recovery = 101.09%								
Fe 273.955†	6916099.1	435.5	mg/L	0.34	435.5	mg/L	0.34	0.08%
QC value within limits for Fe 273.955 Recovery = 87.09%								
Ca 315.887†	1029138.4	598.1	mg/L	4.96	598.1	mg/L	4.96	0.83%
QC value within limits for Ca 315.887 Recovery = 99.68%								
Mg 279.077†	137454.9	291.5	mg/L	0.82	291.5	mg/L	0.82	0.28%
QC value within limits for Mg 279.077 Recovery = 97.15%								

All analytes passed QC.

01276

Reprocessing Begun
Logged In Analyst: Seattle_inst_Metals Technique: ICP Continuous

Results Data Set (original): 112404
Results Library (original): D:\pe\administrator\Results\Results.mdb
Results Data Set (reprocessed): dp761
Results Library (reprocessed): D:\pe\administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 5
Sample ID: CCV Date Collected: 11/24/04 7:13:46 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 11/29/04 11:21:27 AM,

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	648310.7	103.4	%	2.05				1.98%
Sc 361.383	1328455.3	103.4	%	1.87				1.81%
Ni 231.604†	27919.1	0.9988	mg/L	0.01715	0.9988	mg/L	0.01715	1.72%
QC value within limits for Ni 231.604 Recovery = 99.88%								
Co 228.616†	35630.3	0.9971	mg/L	0.01701	0.9971	mg/L	0.01701	1.71%
QC value within limits for Co 228.616 Recovery = 99.71%								
V 292.402†	119025.3	0.9870	mg/L	0.01307	0.9870	mg/L	0.01307	1.32%
QC value within limits for V 292.402 Recovery = 98.70%								
K 766.490†	536.4	9.837	mg/L	0.2361	9.837	mg/L	0.2361	2.40%
QC value within limits for K 766.490 Recovery = 98.37%								
Na 330.237	6375.4	9.780	mg/L	0.0882	9.780	mg/L	0.0882	0.90%
QC value within limits for Na 330.237 Recovery = 97.80%								
Al 308.215†	121484.0	9.997	mg/L	0.1635	9.997	mg/L	0.1635	1.64%
QC value within limits for Al 308.215 Recovery = 99.97%								
Fe 273.955†	162167.8	10.09	mg/L	0.133	10.09	mg/L	0.133	1.32%
QC value within limits for Fe 273.955 Recovery = 100.92%								
Ca 315.887†	17890.7	10.04	mg/L	0.264	10.04	mg/L	0.264	2.63%
QC value within limits for Ca 315.887 Recovery = 100.45%								
Mg 279.077†	4932.7	10.16	mg/L	0.295	10.16	mg/L	0.295	2.90%
QC value within limits for Mg 279.077 Recovery = 101.59%								

All analytes passed QC.

Sequence No.: 2 Autosampler Location: 6
Sample ID: CCB Date Collected: 11/24/04 7:19:21 PM
Analyst:
Sample Wt: Sample Prep Volume:
Dilution: Data Type: Reprocessed on 11/29/04 11:21:29 AM,

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	628599.3	100.2	%	0.86				0.86%
Sc 361.383	1286595.4	100.2	%	0.84				0.84%
Ni 231.604†	-0.3	0.0000	mg/L	0.00010	0.0000	mg/L	0.00010	909.24%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	10.5	0.0003	mg/L	0.00029	0.0003	mg/L	0.00029	100.52%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	-34.8	-0.0003	mg/L	0.00059	-0.0003	mg/L	0.00059	204.06%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	-2.1	-0.0392	mg/L	0.02010	-0.0392	mg/L	0.02010	51.22%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	-78.0	-0.1197	mg/L	0.05220	-0.1197	mg/L	0.05220	43.62%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-14.8	-0.0012	mg/L	0.00263	-0.0012	mg/L	0.00263	215.77%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	51.6	0.0032	mg/L	0.00045	0.0032	mg/L	0.00045	14.02%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	2.5	0.0014	mg/L	0.00192	0.0014	mg/L	0.00192	136.62%

012277

QC value within limits for Ca 315.887 Recovery = Not calculated

Mg 279.077†	2.3	0.0048 mg/L	0.00838	0.0048 mg/L	0.00838	175.07%

QC value within limits for Mg 279.077 Recovery = Not calculated

All analytes passed QC.

Sequence No.: 3 **Autosampler Location: 93**
Sample ID: mb dp761 **Date Collected: 11/24/04 7:24:35 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:30 AM,**

Mean Data: mb dp761

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	551971.2	88.00	%	22.061				25.07%
Sc 361.383	1146479.8	89.26	%	19.563				21.92%
Ni 231.604†	0.9	0.0000	mg/L	0.00018	0.0000	mg/L	0.00018	574.71%
Co 228.616†	5.9	0.0002	mg/L	0.00038	0.0002	mg/L	0.00038	231.37%
V 292.402†	-17.8	-0.0001	mg/L	0.00053	-0.0001	mg/L	0.00053	362.18%
K 766.490†	3.5	0.0645	mg/L	0.13323	0.0645	mg/L	0.13323	206.68%
Na 330.237	-158.1	-0.2425	mg/L	0.19196	-0.2425	mg/L	0.19196	79.15%
Al 308.215†	1080.5	0.0889	mg/L	0.01600	0.0889	mg/L	0.01600	17.99%
Fe 273.955†	-26.8	-0.0017	mg/L	0.00106	-0.0017	mg/L	0.00106	63.64%
Ca 315.887†	-7.0	-0.0039	mg/L	0.00597	-0.0039	mg/L	0.00597	151.93%
Mg 279.077†	-4.1	-0.0085	mg/L	0.01255	-0.0085	mg/L	0.01255	146.89%

Sequence No.: 4 **Autosampler Location: 94**
Sample ID: 124993-11-1/5 **Date Collected: 11/24/04 7:29:42 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:31 AM,**

Mean Data: 124993-11-1/5

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	643413.5	102.6	%	0.35				0.34%
Sc 361.383	1318159.4	102.6	%	0.29				0.28%
Ni 231.604†	2.9	0.0001	mg/L	0.00015	0.0001	mg/L	0.00015	146.33%
Co 228.616†	7.6	0.0002	mg/L	0.00013	0.0002	mg/L	0.00013	61.27%
V 292.402†	2.8	0.0000	mg/L	0.00046	0.0000	mg/L	0.00046	>999.9%
K 766.490†	9.1	0.1663	mg/L	0.02850	0.1663	mg/L	0.02850	17.14%
Na 330.237	750.6	1.151	mg/L	0.0560	1.151	mg/L	0.0560	4.86%
Al 308.215†	268.8	0.0221	mg/L	0.00067	0.0221	mg/L	0.00067	3.04%
Fe 273.955†	-77.8	-0.0048	mg/L	0.00129	-0.0048	mg/L	0.00129	26.67%
Ca 315.887†	6412.2	3.600	mg/L	0.0292	3.600	mg/L	0.0292	0.81%
Mg 279.077†	463.0	0.9535	mg/L	0.00174	0.9535	mg/L	0.00174	0.18%

Sequence No.: 5 **Autosampler Location: 95**
Sample ID: 124993-11 **Date Collected: 11/24/04 7:36:09 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:32 AM,**

Mean Data: 124993-11

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	662588.2	105.6	%	1.57				1.48%
Sc 361.383	1210745.1	94.27	%	9.219				9.78%
Ni 231.604†	-0.3	0.0000	mg/L	0.00012	0.0000	mg/L	0.00012	>999.9%
Co 228.616†	11.6	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	36.26%
V 292.402†	176.4	0.0015	mg/L	0.00019	0.0015	mg/L	0.00019	12.98%
K 766.490†	67.2	1.232	mg/L	0.0418	1.232	mg/L	0.0418	3.39%
Na 330.237	4275.4	6.559	mg/L	0.1345	6.559	mg/L	0.1345	2.05%
Al 308.215†	68.1	0.0056	mg/L	0.00372	0.0056	mg/L	0.00372	66.50%
Fe 273.955†	-70.2	-0.0044	mg/L	0.00063	-0.0044	mg/L	0.00063	14.53%

01278

Ca 315.887†	32992.5	18.52	mg/L	0.304	18.52	mg/L	0.304	1.64%
Mg 279.077†	2396.8	4.936	mg/L	0.1097	4.936	mg/L	0.1097	2.22%

Sequence No.: 6
Sample ID: 124993-11d
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 96
Date Collected: 11/24/04 7:41:40 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:21:33 AM,

Mean Data: 124993-11d

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	656506.7	104.7	%	1.37				1.31%
Sc 361.383	1216035.7	94.68	%	10.293				10.87%
Ni 231.604†	3.9	0.0001	mg/L	0.00013	0.0001	mg/L	0.00013	91.60%
Co 228.616†	4.2	0.0001	mg/L	0.00032	0.0001	mg/L	0.00032	272.53%
V 292.402†	164.7	0.0014	mg/L	0.00014	0.0014	mg/L	0.00014	10.13%
K 766.490†	65.9	1.209	mg/L	0.0339	1.209	mg/L	0.0339	2.81%
Na 330.237	4157.8	6.378	mg/L	0.0553	6.378	mg/L	0.0553	0.87%
Al 308.215†	15.5	0.0013	mg/L	0.00658	0.0013	mg/L	0.00658	515.35%
Fe 273.955†	-66.4	-0.0041	mg/L	0.00210	-0.0041	mg/L	0.00210	50.88%
Ca 315.887†	32538.6	18.27	mg/L	0.203	18.27	mg/L	0.203	1.11%
Mg 279.077†	2346.5	4.832	mg/L	0.0732	4.832	mg/L	0.0732	1.52%

Sequence No.: 7
Sample ID: 124993-11s
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 97
Date Collected: 11/24/04 7:47:11 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:21:34 AM,

Mean Data: 124993-11s

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	627205.0	100.0	%	1.09				1.09%
Sc 361.383	1285395.4	100.1	%	1.26				1.26%
Ni 231.604†	24407.3	0.8732	mg/L	0.00529	0.8732	mg/L	0.00529	0.61%
Co 228.616†	31676.9	0.8864	mg/L	0.00896	0.8864	mg/L	0.00896	1.01%
V 292.402†	109951.5	0.9118	mg/L	0.00670	0.9118	mg/L	0.00670	0.73%
K 766.490†	1018.0	18.67	mg/L	0.285	18.67	mg/L	0.285	1.53%
Na 330.237	16254.5	24.94	mg/L	0.145	24.94	mg/L	0.145	0.58%
Al 308.215†	44504.7	3.662	mg/L	0.0354	3.662	mg/L	0.0354	0.97%
Fe 273.955†	319508.2	19.88	mg/L	0.163	19.88	mg/L	0.163	0.82%
Ca 315.887†	61193.0	34.36	mg/L	0.149	34.36	mg/L	0.149	0.43%
Mg 279.077†	10758.4	22.16	mg/L	0.031	22.16	mg/L	0.031	0.14%

Sequence No.: 8
Sample ID: 124993-11sd
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 98
Date Collected: 11/24/04 7:52:45 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:21:36 AM,

Mean Data: 124993-11sd

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	603259.4	96.18	%	0.558				0.58%
Sc 361.383	1233599.1	96.04	%	0.757				0.79%
Ni 231.604†	24019.1	0.8593	mg/L	0.00429	0.8593	mg/L	0.00429	0.50%
Co 228.616†	30837.8	0.8629	mg/L	0.00316	0.8629	mg/L	0.00316	0.37%
V 292.402†	106182.8	0.8805	mg/L	0.00377	0.8805	mg/L	0.00377	0.43%
K 766.490†	1001.0	18.36	mg/L	0.165	18.36	mg/L	0.165	0.90%
Na 330.237	15285.4	23.45	mg/L	0.459	23.45	mg/L	0.459	1.96%
Al 308.215†	42916.5	3.532	mg/L	0.0224	3.532	mg/L	0.0224	0.63%
Fe 273.955†	309224.5	19.24	mg/L	0.085	19.24	mg/L	0.085	0.44%
Ca 315.887†	58432.7	32.81	mg/L	0.257	32.81	mg/L	0.257	0.78%
Mg 279.077†	10327.3	21.27	mg/L	0.232	21.27	mg/L	0.232	1.09%

01279

Sequence No.: 9
Sample ID: 124993-11ps
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 99
Date Collected: 11/24/04 7:58:18 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:21:37 AM,

Mean Data: 124993-11ps

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	650569.5	103.7	%	1.09				1.05%
Sc 361.383	1325201.7	103.2	%	0.96				0.93%
Ni 231.604†	24873.0	0.8899	mg/L	0.01447	0.8899	mg/L	0.01447	1.63%
Co 228.616†	32293.2	0.9037	mg/L	0.01763	0.9037	mg/L	0.01763	1.95%
V 292.402†	111594.9	0.9254	mg/L	0.00843	0.9254	mg/L	0.00843	0.91%
K 766.490†	1248.4	22.89	mg/L	0.344	22.89	mg/L	0.344	1.50%
Na 330.237	17622.9	27.03	mg/L	0.528	27.03	mg/L	0.528	1.95%
Al 308.215†	48446.3	3.987	mg/L	0.0230	3.987	mg/L	0.0230	0.58%
Fe 273.955†	371948.7	23.15	mg/L	0.145	23.15	mg/L	0.145	0.62%
Ca 315.887†	67660.9	37.99	mg/L	0.663	37.99	mg/L	0.663	1.75%
Mg 279.077†	12674.1	26.10	mg/L	0.453	26.10	mg/L	0.453	1.74%

Sequence No.: 10
Sample ID: bs dp761
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 100
Date Collected: 11/24/04 8:02:59 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:21:38 AM,

Mean Data: bs dp761

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	638575.3	101.8	%	0.46				0.45%
Sc 361.383	1305176.8	101.6	%	0.31				0.30%
Ni 231.604†	25497.7	0.9122	mg/L	0.00677	0.9122	mg/L	0.00677	0.74%
Co 228.616†	32863.8	0.9196	mg/L	0.00342	0.9196	mg/L	0.00342	0.37%
V 292.402†	112234.1	0.9307	mg/L	0.00454	0.9307	mg/L	0.00454	0.49%
K 766.490†	953.7	17.49	mg/L	0.159	17.49	mg/L	0.159	0.91%
Na 330.237	12387.0	19.00	mg/L	0.322	19.00	mg/L	0.322	1.69%
Al 308.215†	45759.5	3.766	mg/L	0.0160	3.766	mg/L	0.0160	0.43%
Fe 273.955†	329647.3	20.51	mg/L	0.092	20.51	mg/L	0.092	0.45%
Ca 315.887†	32499.8	18.25	mg/L	0.073	18.25	mg/L	0.073	0.40%
Mg 279.077†	8873.7	18.27	mg/L	0.172	18.27	mg/L	0.172	0.94%

Sequence No.: 11
Sample ID: bsd dp761
Analyst:
Sample Wt:
Dilution:
Autosampler Location: 101
Date Collected: 11/24/04 8:08:33 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:21:39 AM,

Mean Data: bsd dp761

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	636235.1	101.4	%	0.93				0.92%
Sc 361.383	1299787.2	101.2	%	1.25				1.24%
Ni 231.604†	25082.6	0.8974	mg/L	0.00728	0.8974	mg/L	0.00728	0.81%
Co 228.616†	32218.1	0.9016	mg/L	0.00631	0.9016	mg/L	0.00631	0.70%
V 292.402†	110175.8	0.9136	mg/L	0.00770	0.9136	mg/L	0.00770	0.84%
K 766.490†	945.1	17.33	mg/L	0.276	17.33	mg/L	0.276	1.59%
Na 330.237	12027.6	18.45	mg/L	0.124	18.45	mg/L	0.124	0.67%
Al 308.215†	44407.2	3.654	mg/L	0.0220	3.654	mg/L	0.0220	0.60%
Fe 273.955†	322103.5	20.04	mg/L	0.140	20.04	mg/L	0.140	0.70%
Ca 315.887†	31714.1	17.81	mg/L	0.128	17.81	mg/L	0.128	0.72%
Mg 279.077†	8639.9	17.79	mg/L	0.207	17.79	mg/L	0.207	1.17%

01280

Sequence No.: 12 **Autosampler Location: 102**
Sample ID: lcs-water-1 **Date Collected: 11/24/04 8:14:08 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:40 AM,**

Mean Data: lcs-water-1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	628885.7	100.3	%	0.79				0.78%
Sc 361.383	1285308.8	100.1	%	0.96				0.96%
Ni 231.604†	25446.5	0.9104	mg/L	0.00338	0.9104	mg/L	0.00338	0.37%
Co 228.616†	32890.0	0.9204	mg/L	0.00696	0.9204	mg/L	0.00696	0.76%
V 292.402†	112310.7	0.9313	mg/L	0.00521	0.9313	mg/L	0.00521	0.56%
K 766.490†	984.2	18.05	mg/L	0.138	18.05	mg/L	0.138	0.77%
Na 330.237	12292.1	18.86	mg/L	0.347	18.86	mg/L	0.347	1.84%
Al 308.215†	44958.1	3.700	mg/L	0.0207	3.700	mg/L	0.0207	0.56%
Fe 273.955†	329479.4	20.50	mg/L	0.114	20.50	mg/L	0.114	0.56%
Ca 315.887†	32213.7	18.09	mg/L	0.207	18.09	mg/L	0.207	1.15%
Mg 279.077†	8872.4	18.27	mg/L	0.159	18.27	mg/L	0.159	0.87%

Sequence No.: 13 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/24/04 8:19:36 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:42 AM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	644093.2	102.7	%	0.82				0.80%
Sc 361.383	1320177.4	102.8	%	0.59				0.57%
Ni 231.604†	27674.0	0.9901	mg/L	0.01646	0.9901	mg/L	0.01646	1.66%
QC value within limits for Ni 231.604 Recovery = 99.01%								
Co 228.616†	35451.2	0.9920	mg/L	0.01220	0.9920	mg/L	0.01220	1.23%
QC value within limits for Co 228.616 Recovery = 99.20%								
V 292.402†	118007.8	0.9786	mg/L	0.01206	0.9786	mg/L	0.01206	1.23%
QC value within limits for V 292.402 Recovery = 97.86%								
K 766.490†	526.8	9.660	mg/L	0.0980	9.660	mg/L	0.0980	1.01%
QC value within limits for K 766.490 Recovery = 96.60%								
Na 330.237	6080.4	9.328	mg/L	0.4140	9.328	mg/L	0.4140	4.44%
QC value within limits for Na 330.237 Recovery = 93.28%								
Al 308.215†	120729.4	9.935	mg/L	0.1586	9.935	mg/L	0.1586	1.60%
QC value within limits for Al 308.215 Recovery = 99.35%								
Fe 273.955†	161261.2	10.04	mg/L	0.104	10.04	mg/L	0.104	1.04%
QC value within limits for Fe 273.955 Recovery = 100.35%								
Ca 315.887†	17928.0	10.07	mg/L	0.091	10.07	mg/L	0.091	0.91%
QC value within limits for Ca 315.887 Recovery = 100.65%								
Mg 279.077†	4943.8	10.18	mg/L	0.091	10.18	mg/L	0.091	0.89%
QC value within limits for Mg 279.077 Recovery = 101.81%								

All analytes passed QC.

Sequence No.: 14 **Autosampler Location: 6**
Sample ID: CCB **Date Collected: 11/24/04 8:25:11 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:43 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	631832.9	100.7	%	0.59				0.58%
Sc 361.383	1292075.7	100.6	%	0.55				0.55%
Ni 231.604†	-6.8	-0.0002	mg/L	0.00005	-0.0002	mg/L	0.00005	19.69%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	-2.0	-0.0001	mg/L	0.00010	-0.0001	mg/L	0.00010	173.78%

01281

QC value within limits for Co 228.616 Recovery = Not calculated

V 292.402†	-25.4	-0.0002 mg/L	0.00067	-0.0002 mg/L	0.00067	318.12%

QC value within limits for V 292.402 Recovery = Not calculated

K 766.490†	-7.0	-0.1276 mg/L	0.02111	-0.1276 mg/L	0.02111	16.54%

QC value within limits for K 766.490 Recovery = Not calculated

Na 330.237	-245.0	-0.3759 mg/L	0.08624	-0.3759 mg/L	0.08624	22.94%

QC value within limits for Na 330.237 Recovery = Not calculated

Al 308.215†	27.4	0.0023 mg/L	0.00496	0.0023 mg/L	0.00496	219.62%

QC value within limits for Al 308.215 Recovery = Not calculated

Fe 273.955†	41.4	0.0026 mg/L	0.00165	0.0026 mg/L	0.00165	64.19%

QC value within limits for Fe 273.955 Recovery = Not calculated

Ca 315.887†	4.0	0.0023 mg/L	0.00066	0.0023 mg/L	0.00066	28.90%

QC value within limits for Ca 315.887 Recovery = Not calculated

Mg 279.077†	-3.4	-0.0071 mg/L	0.00282	-0.0071 mg/L	0.00282	39.91%

QC value within limits for Mg 279.077 Recovery = Not calculated

All analytes passed QC.

Sequence No.: 15 **Autosampler Location: 103**
Sample ID: mb dp761 **Date Collected: 11/24/04 8:30:23 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:44 AM,**

Mean Data: mb dp761

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	635217.5	101.3	%	1.47				1.45%
Sc 361.383	1298972.7	101.1	%	1.47				1.46%
Ni 231.604†	-3.6	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	88.64%
Co 228.616†	15.9	0.0004	mg/L	0.00020	0.0004	mg/L	0.00020	44.95%
V 292.402†	-54.2	-0.0004	mg/L	0.00015	-0.0004	mg/L	0.00015	33.27%
K 766.490†	-6.5	-0.1186	mg/L	0.03170	-0.1186	mg/L	0.03170	26.73%
Na 330.237	-199.4	-0.3060	mg/L	0.17726	-0.3060	mg/L	0.17726	57.93%
Al 308.215†	1.1	0.0001	mg/L	0.00206	0.0001	mg/L	0.00206	>999.9%
Fe 273.955†	-65.8	-0.0041	mg/L	0.00106	-0.0041	mg/L	0.00106	25.94%
Ca 315.887†	2.8	0.0016	mg/L	0.00326	0.0016	mg/L	0.00326	203.98%
Mg 279.077†	1.5	0.0031	mg/L	0.00520	0.0031	mg/L	0.00520	168.66%

Sequence No.: 16 **Autosampler Location: 104**
Sample ID: 124993-8 **Date Collected: 11/24/04 8:35:27 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:45 AM,**

Mean Data: 124993-8

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542	654667.5	104.4	%	1.14				1.10%
Sc 361.383	1224021.2	95.30	%	10.491				11.01%
Ni 231.604†	4.0	0.0001	mg/L	0.00010	0.0001	mg/L	0.00010	68.86%
Co 228.616†	50.9	0.0014	mg/L	0.00020	0.0014	mg/L	0.00020	13.82%
V 292.402†	122.6	0.0010	mg/L	0.00018	0.0010	mg/L	0.00018	17.65%
K 766.490†	28.7	0.5269	mg/L	0.06669	0.5269	mg/L	0.06669	12.66%
Na 330.237	4473.1	6.862	mg/L	0.1333	6.862	mg/L	0.1333	1.94%
Al 308.215†	183.6	0.0151	mg/L	0.00346	0.0151	mg/L	0.00346	22.90%
Fe 273.955†	117.1	0.0073	mg/L	0.00034	0.0073	mg/L	0.00034	4.66%
Ca 315.887†	39573.5	22.22	mg/L	0.543	22.22	mg/L	0.543	2.44%
Mg 279.077†	2599.3	5.353	mg/L	0.1183	5.353	mg/L	0.1183	2.21%

Sequence No.: 17 **Autosampler Location: 105**
Sample ID: 124993-9 **Date Collected: 11/24/04 8:40:54 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:46 AM,**

01282

Mean Data: 124993-9

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	634977.5	101.2	%	1.62				1.60%
Sc 361.383	1202742.7	93.64	%	8.685				9.27%
Ni 231.604†	-2.2	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	64.98%
Co 228.616†	6.5	0.0002	mg/L	0.00015	0.0002	mg/L	0.00015	84.11%
V 292.402†	185.8	0.0015	mg/L	0.00057	0.0015	mg/L	0.00057	36.86%
K 766.490†	38.7	0.7100	mg/L	0.01230	0.7100	mg/L	0.01230	1.73%
Na 330.237	4647.4	7.129	mg/L	0.3211	7.129	mg/L	0.3211	4.50%
Al 308.215†	30.3	0.0025	mg/L	0.00255	0.0025	mg/L	0.00255	102.02%
Fe 273.955†	-41.4	-0.0026	mg/L	0.00068	-0.0026	mg/L	0.00068	26.50%
Ca 315.887†	45488.3	25.54	mg/L	0.470	25.54	mg/L	0.470	1.84%
Mg 279.077†	2968.3	6.113	mg/L	0.1462	6.113	mg/L	0.1462	2.39%

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Sequence No.: 18
Sample ID: 124993-10
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 106
Date Collected: 11/24/04 8:46:22 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:21:48 AM,

Mean Data: 124993-10

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	649131.7	103.5	%	0.79				0.76%
Sc 361.383	1272961.0	99.11	%	5.204				5.25%
Ni 231.604†	2.2	0.0001	mg/L	0.00023	0.0001	mg/L	0.00023	295.09%
Co 228.616†	54.5	0.0015	mg/L	0.00041	0.0015	mg/L	0.00041	26.90%
V 292.402†	164.2	0.0014	mg/L	0.00059	0.0014	mg/L	0.00059	43.44%
K 766.490†	39.8	0.7290	mg/L	0.03070	0.7290	mg/L	0.03070	4.21%
Na 330.237	4654.3	7.140	mg/L	0.1304	7.140	mg/L	0.1304	1.83%
Al 308.215†	71.5	0.0059	mg/L	0.00274	0.0059	mg/L	0.00274	46.55%
Fe 273.955†	-55.8	-0.0035	mg/L	0.00154	-0.0035	mg/L	0.00154	44.50%
Ca 315.887†	44910.1	25.21	mg/L	0.339	25.21	mg/L	0.339	1.34%
Mg 279.077†	2914.8	6.003	mg/L	0.1407	6.003	mg/L	0.1407	2.34%

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Sequence No.: 19
Sample ID: 124993-13
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 107
Date Collected: 11/24/04 8:51:51 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:21:49 AM,

Mean Data: 124993-13

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	650433.4	103.7	%	0.83				0.80%
Sc 361.383	1059356.2	82.48	%	16.367				19.84%
Ni 231.604†	8.5	0.0003	mg/L	0.00034	0.0003	mg/L	0.00034	113.74%
Co 228.616†	43.3	0.0012	mg/L	0.00020	0.0012	mg/L	0.00020	16.49%
V 292.402†	70.2	0.0006	mg/L	0.00068	0.0006	mg/L	0.00068	116.52%
K 766.490†	32.9	0.6037	mg/L	0.05589	0.6037	mg/L	0.05589	9.26%
Na 330.237	5558.2	8.527	mg/L	0.1822	8.527	mg/L	0.1822	2.14%
Al 308.215†	85.7	0.0071	mg/L	0.00197	0.0071	mg/L	0.00197	27.89%
Fe 273.955†	-43.9	-0.0027	mg/L	0.00047	-0.0027	mg/L	0.00047	17.23%
Ca 315.887†	54215.5	30.44	mg/L	0.197	30.44	mg/L	0.197	0.65%
Mg 279.077†	5818.3	11.98	mg/L	0.102	11.98	mg/L	0.102	0.85%

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Sequence No.: 20
Sample ID: 124992-14
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 108
Date Collected: 11/24/04 8:57:20 PM
Sample Prep Volume:
Data Type: Reprocessed on 11/29/04 11:21:49 AM,

Mean Data: 124992-14

Analyte	Mean Corrected	Calib			Sample			

01283

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Lu 261.542	651829.1	103.9	%	0.86				0.82%
Sc 361.383	1238260.0	96.41	%	7.559				7.84%
Ni 231.604†	47.4	0.0017	mg/L	0.00019	0.0017	mg/L	0.00019	10.97%
Co 228.616†	110.8	0.0031	mg/L	0.00023	0.0031	mg/L	0.00023	7.53%
V 292.402†	55.0	0.0005	mg/L	0.00013	0.0005	mg/L	0.00013	29.04%
K 766.490†	56.4	1.034	mg/L	0.0239	1.034	mg/L	0.0239	2.31%
Na 330.237	7383.5	11.33	mg/L	0.266	11.33	mg/L	0.266	2.35%
Al 308.215†	45.0	0.0037	mg/L	0.00498	0.0037	mg/L	0.00498	134.38%
Fe 273.955†	1454.2	0.0905	mg/L	0.00158	0.0905	mg/L	0.00158	1.75%
Ca 315.887†	48990.6	27.51	mg/L	0.564	27.51	mg/L	0.564	2.05%
Mg 279.077†	4291.3	8.838	mg/L	0.0386	8.838	mg/L	0.0386	0.44%

Sequence No.: 21 **Autosampler Location: 109**
Sample ID: 124993-15 **Date Collected: 11/24/04 9:02:53 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:51 AM,**

Mean Data: 124993-15

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	659062.8	105.1	%	1.84				1.75%
Sc 361.383	1214388.3	94.55	%	9.004				9.52%
Ni 231.604†	70.1	0.0025	mg/L	0.00011	0.0025	mg/L	0.00011	4.20%
Co 228.616†	221.5	0.0062	mg/L	0.00027	0.0062	mg/L	0.00027	4.32%
V 292.402†	24.2	0.0002	mg/L	0.00013	0.0002	mg/L	0.00013	63.42%
K 766.490†	65.7	1.204	mg/L	0.0440	1.204	mg/L	0.0440	3.65%
Na 330.237	7867.4	12.07	mg/L	0.296	12.07	mg/L	0.296	2.45%
Al 308.215†	67.7	0.0056	mg/L	0.00190	0.0056	mg/L	0.00190	34.04%
Fe 273.955†	1918.3	0.1194	mg/L	0.00262	0.1194	mg/L	0.00262	2.20%
Ca 315.887†	56656.1	31.81	mg/L	0.690	31.81	mg/L	0.690	2.17%
Mg 279.077†	4927.3	10.15	mg/L	0.175	10.15	mg/L	0.175	1.73%

Sequence No.: 22 **Autosampler Location: 110**
Sample ID: 124945-1 **Date Collected: 11/24/04 9:08:23 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:52 AM,**

Mean Data: 124945-1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	653979.9	104.3	%	1.59				1.53%
Sc 361.383	1071815.2	83.45	%	15.046				18.03%
Ni 231.604†	11.3	0.0004	mg/L	0.00007	0.0004	mg/L	0.00007	18.38%
Co 228.616†	88.7	0.0025	mg/L	0.00017	0.0025	mg/L	0.00017	7.03%
V 292.402†	120.7	0.0010	mg/L	0.00036	0.0010	mg/L	0.00036	36.09%
K 766.490†	57.3	1.051	mg/L	0.0396	1.051	mg/L	0.0396	3.77%
Na 330.237	7122.4	10.93	mg/L	0.319	10.93	mg/L	0.319	2.92%
Al 308.215†	3362.8	0.2767	mg/L	0.00484	0.2767	mg/L	0.00484	1.75%
Fe 273.955†	3658.5	0.2277	mg/L	0.00344	0.2277	mg/L	0.00344	1.51%
Ca 315.887†	49870.8	28.00	mg/L	0.328	28.00	mg/L	0.328	1.17%
Mg 279.077†	3712.9	7.646	mg/L	0.1760	7.646	mg/L	0.1760	2.30%

Sequence No.: 23 **Autosampler Location: 111**
Sample ID: lcs-water-1 **Date Collected: 11/24/04 9:13:58 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:53 AM,**

Mean Data: lcs-water-1

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	628531.5	100.2	%	1.36				1.35%

01284

Sc 361.383	1288059.8	100.3 %	1.49			1.48%
Ni 231.604†	25154.7	0.8999 mg/L	0.00759	0.8999 mg/L	0.00759	0.84%
Co 228.616†	32628.0	0.9130 mg/L	0.00500	0.9130 mg/L	0.00500	0.55%
V 292.402†	111064.7	0.9210 mg/L	0.00789	0.9210 mg/L	0.00789	0.86%
K 766.490†	946.8	17.36 mg/L	0.333	17.36 mg/L	0.333	1.92%
Na 330.237	12078.6	18.53 mg/L	0.304	18.53 mg/L	0.304	1.64%
Al 308.215†	45261.5	3.725 mg/L	0.0322	3.725 mg/L	0.0322	0.87%
Fe 273.955†	326554.6	20.32 mg/L	0.171	20.32 mg/L	0.171	0.84%
Ca 315.887†	31409.4	17.63 mg/L	0.298	17.63 mg/L	0.298	1.69%
Mg 279.077†	8629.9	17.77 mg/L	0.366	17.77 mg/L	0.366	2.06%

Sequence No.: 24 **Autosampler Location: 112**
Sample ID: mb dp761 **Date Collected: 11/24/04 9:19:29 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:54 AM,**

Mean Data: mb dp761

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	626747.9	99.93	%	0.755				0.76%
Sc 361.383	1282198.5	99.83	%	0.749				0.75%
Ni 231.604†	-3.8	-0.0001	mg/L	0.00008	-0.0001	mg/L	0.00008	57.18%
Co 228.616†	6.2	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	31.91%
V 292.402†	-47.4	-0.0004	mg/L	0.00033	-0.0004	mg/L	0.00033	85.04%
K 766.490†	-6.9	-0.1258	mg/L	0.01111	-0.1258	mg/L	0.01111	8.83%
Na 330.237	-182.0	-0.2793	mg/L	0.04828	-0.2793	mg/L	0.04828	17.29%
Al 308.215†	447.7	0.0368	mg/L	0.00482	0.0368	mg/L	0.00482	13.09%
Fe 273.955†	-83.0	-0.0052	mg/L	0.00127	-0.0052	mg/L	0.00127	24.62%
Ca 315.887†	9.7	0.0054	mg/L	0.00126	0.0054	mg/L	0.00126	23.20%
Mg 279.077†	5.9	0.0122	mg/L	0.01054	0.0122	mg/L	0.01054	86.21%

Sequence No.: 25 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/24/04 9:24:37 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:55 AM,**

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542	653184.0	104.1	%	1.47				1.41%
Sc 361.383	1341452.8	104.4	%	1.16				1.11%
Ni 231.604†	27297.8	0.9766	mg/L	0.01240	0.9766	mg/L	0.01240	1.27%
QC value within limits for Ni 231.604 Recovery = 97.66%								
Co 228.616†	35087.3	0.9819	mg/L	0.01408	0.9819	mg/L	0.01408	1.43%
QC value within limits for Co 228.616 Recovery = 98.19%								
V 292.402†	116785.8	0.9684	mg/L	0.01023	0.9684	mg/L	0.01023	1.06%
QC value within limits for V 292.402 Recovery = 96.84%								
K 766.490†	518.9	9.515	mg/L	0.1583	9.515	mg/L	0.1583	1.66%
QC value within limits for K 766.490 Recovery = 95.15%								
Na 330.237	6074.5	9.319	mg/L	0.0933	9.319	mg/L	0.0933	1.00%
QC value within limits for Na 330.237 Recovery = 93.19%								
Al 308.215†	119602.1	9.843	mg/L	0.1201	9.843	mg/L	0.1201	1.22%
QC value within limits for Al 308.215 Recovery = 98.43%								
Fe 273.955†	159927.5	9.952	mg/L	0.0990	9.952	mg/L	0.0990	0.99%
QC value within limits for Fe 273.955 Recovery = 99.52%								
Ca 315.887†	17563.2	9.861	mg/L	0.0855	9.861	mg/L	0.0855	0.87%
QC value within limits for Ca 315.887 Recovery = 98.61%								
Mg 279.077†	4843.8	9.975	mg/L	0.0459	9.975	mg/L	0.0459	0.46%
QC value within limits for Mg 279.077 Recovery = 99.75%								

All analytes passed QC.

Sequence No.: 26 **Autosampler Location: 6**
Sample ID: CCB **Date Collected: 11/24/04 9:30:12 PM**
Analyst:

01285

Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:21:57 AM,**

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542	616713.2	98.33	%	0.826				0.84%
Sc 361.383	1261570.6	98.22	%	0.808				0.82%
Ni 231.604†	-5.4	-0.0002	mg/L	0.00012	-0.0002	mg/L	0.00012	60.50%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	3.5	0.0001	mg/L	0.00028	0.0001	mg/L	0.00028	282.90%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	43.6	0.0004	mg/L	0.00033	0.0004	mg/L	0.00033	90.31%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	-10.0	-0.1837	mg/L	0.04900	-0.1837	mg/L	0.04900	26.67%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	-216.2	-0.3317	mg/L	0.08257	-0.3317	mg/L	0.08257	24.89%
QC value within limits for Na 330.237 Recovery = Not calculated								
Al 308.215†	-22.9	-0.0019	mg/L	0.00550	-0.0019	mg/L	0.00550	291.49%
QC value within limits for Al 308.215 Recovery = Not calculated								
Fe 273.955†	4.5	0.0003	mg/L	0.00157	0.0003	mg/L	0.00157	565.45%
QC value within limits for Fe 273.955 Recovery = Not calculated								
Ca 315.887†	4.4	0.0025	mg/L	0.00038	0.0025	mg/L	0.00038	15.26%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Mg 279.077†	-0.1	-0.0002	mg/L	0.00956	-0.0002	mg/L	0.00956	>999.9%
QC value within limits for Mg 279.077 Recovery = Not calculated								

All analytes passed QC.

01286

Sequence No.: 1 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 11/24/04 9:35:24 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:22:05 AM,**

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Calib Std.Dev.	Sample Conc.	Units	Sample Std.Dev.	RSD
Lu 261.542	582242.4	92.83	%	0.496				0.53%
Sc 361.383	1176611.2	91.61	%	0.241				0.26%
Ni 231.604†	-68.0	-0.0024	mg/L	0.00011	-0.0024	mg/L	0.00011	4.50%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Co 228.616†	-2.4	-0.0001	mg/L	0.00052	-0.0001	mg/L	0.00052	768.78%
QC value within limits for Co 228.616 Recovery = Not calculated								
V 292.402†	322.4	0.0027	mg/L	0.00065	0.0027	mg/L	0.00065	24.25%
QC value within limits for V 292.402 Recovery = Not calculated								
K 766.490†	8.7	0.1588	mg/L	0.04876	0.1588	mg/L	0.04876	30.70%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 330.237	73504.2	112.8	mg/L	0.36	112.8	mg/L	0.36	0.32%
QC value within limits for Na 330.237 Recovery = 112.76%								
Al 308.215†	1452887.9	119.6	mg/L	0.77	119.6	mg/L	0.77	0.64%
QC value within limits for Al 308.215 Recovery = 99.64%								
Fe 273.955†	7129227.6	443.7	mg/L	0.79	443.7	mg/L	0.79	0.18%
QC value within limits for Fe 273.955 Recovery = 88.73%								
Ca 315.887†	1020359.9	572.9	mg/L	10.22	572.9	mg/L	10.22	1.78%
QC value within limits for Ca 315.887 Recovery = 95.48%								
Mg 279.077†	137950.7	284.1	mg/L	2.65	284.1	mg/L	2.65	0.93%
QC value within limits for Mg 279.077 Recovery = 94.70%								

All analytes passed QC.

Sequence No.: 2 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 11/24/04 9:41:11 PM**
Analyst:
Sample Wt: **Sample Prep Volume:**
Dilution: **Data Type: Reprocessed on 11/29/04 11:22:06 AM,**

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Calib Std.Dev.	Sample Conc.	Units	Sample Std.Dev.	RSD
Lu 261.542	587771.4	93.71	%	0.290				0.31%
Sc 361.383	1181028.4	91.95	%	0.846				0.92%
Ni 231.604†	72059.6	2.578	mg/L	0.0149	2.578	mg/L	0.0149	0.58%
QC value within limits for Ni 231.604 Recovery = 85.93%								
Co 228.616†	94415.1	2.642	mg/L	0.0118	2.642	mg/L	0.0118	0.45%
QC value within limits for Co 228.616 Recovery = 88.07%								
V 292.402†	349401.5	2.897	mg/L	0.0145	2.897	mg/L	0.0145	0.50%
QC value within limits for V 292.402 Recovery = 96.58%								
K 766.490†	11652.4	213.7	mg/L	0.37	213.7	mg/L	0.37	0.17%
QC value within limits for K 766.490 Recovery = 106.84%								
Na 330.237	72179.5	110.7	mg/L	0.79	110.7	mg/L	0.79	0.71%
QC value within limits for Na 330.237 Recovery = 110.73%								
Al 308.215†	1445384.4	118.9	mg/L	0.78	118.9	mg/L	0.78	0.65%
QC value within limits for Al 308.215 Recovery = 99.12%								
Fe 273.955†	7021333.5	436.9	mg/L	2.00	436.9	mg/L	2.00	0.46%
QC value within limits for Fe 273.955 Recovery = 87.39%								
Ca 315.887†	1001829.7	562.5	mg/L	4.02	562.5	mg/L	4.02	0.72%
QC value within limits for Ca 315.887 Recovery = 93.74%								
Mg 279.077†	136103.3	280.3	mg/L	1.90	280.3	mg/L	1.90	0.68%
QC value within limits for Mg 279.077 Recovery = 93.43%								

All analytes passed QC.

012887

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	0.999928
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
Cr	51.941	Linear Thru Zero	0.01	0.00	0.999957
Mn	54.938	Linear Thru Zero	0.02	0.00	0.999912
Cu	64.928	Linear Thru Zero	0.00	0.00	0.999950
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999972
As	74.922	Linear Thru Zero	0.00	0.00	0.999988
Se	81.917	Linear Thru Zero	0.00	0.00	0.999955
Ge	73.922	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.01	0.00	0.999993
Cd	110.904	Linear Thru Zero	0.00	0.00	0.999987
Sb	122.904	Linear Thru Zero	0.01	0.00	0.999998
Ba	136.905	Linear Thru Zero	0.00	0.00	0.999987
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Tl	202.972	Linear Thru Zero	0.01	0.00	1.000000
Pb	207.977	Linear Thru Zero	0.03	0.00	0.999997
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: Monday, November 29, 2004 15:30:55
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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			2.2	86.6
⌞>	Sc	45		ug/L			1277137.1	2.2
⌜	Cr	52		ug/L			7621.5	1.5
⌞	Mn	55		ug/L			890.0	2.0
⌞	Cu	65		ug/L			75.6	15.5
⌞	Zn	68		ug/L			533.1	11.3
⌞	As	75		ug/L			238.6	43.7
⌞	Se	82		ug/L			145.6	17.5
⌞>	Ge	74		ug/L			1186602.6	1.5
⌜	Ag	107		ug/L			27.8	18.3
⌞	Cd	111		ug/L			19.3	74.7
⌞	Sb	123		ug/L			21.9	50.4
⌞	Ba	137		ug/L			24.4	47.9
⌞>	Rh	103		ug/L			1273900.4	1.1
⌜	Tl	203		ug/L			126.7	12.1
⌞	Pb	208		ug/L			641.1	1.2
⌞>	Ho	165		ug/L			1167678.4	0.8

01289

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 1

Sample Description:
Sample Date/Time: Monday, November 29, 2004 15:33:56
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	4.6	2.222	2249.1	3.8
⌞>	Sc	45		ug/L		1277137.112	1281386.6	1.2
⌜	Cr	52	**5.000**	ug/L	3.3	7621.529	69065.1	1.3
⌞	Mn	55	**5.000**	ug/L	1.3	890.028	99175.3	1.1
⌞	Cu	65	**5.000**	ug/L	1.8	75.556	20182.0	1.5
⌞	Zn	68	**5.000**	ug/L	3.0	533.148	10192.7	1.5
⌞	As	75	**5.000**	ug/L	5.2	238.603	14165.3	6.8
⌞	Se	82	**5.000**	ug/L	7.0	145.556	1693.4	8.1
⌞>	Ge	74		ug/L		1186602.586	1178233.7	1.7
⌜	Ag	107	**5.000**	ug/L	1.5	27.778	69775.6	0.9
⌞	Cd	111	**5.000**	ug/L	5.2	19.333	15402.4	3.5
⌞	Sb	123	**5.000**	ug/L	1.3	21.920	41247.5	1.1
⌞	Ba	137	**5.000**	ug/L	1.9	24.444	25689.7	1.1
⌞>	Rh	103		ug/L		1273900.444	1245354.2	1.6
⌜	Tl	203	**5.000**	ug/L	1.3	126.667	61838.0	1.7
⌞	Pb	208	**5.000**	ug/L	1.5	641.117	201288.4	1.1
⌞>	Ho	165		ug/L		1167678.447	1187719.9	0.6

01290

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 2

Sample Description:
Sample Date/Time: Monday, November 29, 2004 15:36:54
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**9.856**	ug/L	6.0	2.222	4205.1	4.5
⌞>	Sc	45		ug/L		1277137.112	1286370.9	2.1
⌜	Cr	52	**9.944**	ug/L	2.4	7621.529	128499.0	2.5
⌞	Mn	55	**10.045**	ug/L	2.5	890.028	203995.7	2.6
⌞	Cu	65	**9.784**	ug/L	2.6	75.556	36649.2	1.2
⌞	Zn	68	**9.929**	ug/L	0.6	533.148	19383.6	1.0
⌞	As	75	**10.021**	ug/L	0.7	238.603	28652.7	2.0
⌞	Se	82	**10.050**	ug/L	3.5	145.556	3350.4	2.3
⌞>	Ge	74		ug/L		1186602.586	1189918.3	1.6
⌜	Ag	107	**9.999**	ug/L	1.5	27.778	141607.3	1.2
⌞	Cd	111	**10.036**	ug/L	1.6	19.333	31849.8	1.3
⌞	Sb	123	**9.976**	ug/L	1.0	21.920	82736.0	1.1
⌞	Ba	137	**10.003**	ug/L	0.6	24.444	52230.9	1.0
⌞>	Rh	103		ug/L		1273900.444	1264416.7	0.5
⌜	Tl	203	**9.986**	ug/L	1.0	126.667	126283.5	0.8
⌞	Pb	208	**9.967**	ug/L	1.3	641.117	406990.2	0.6
⌞>	Ho	165		ug/L		1167678.447	1222343.5	0.9

01291

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 3

Sample Description:
Sample Date/Time: Monday, November 29, 2004 15:39:53
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**24.815**	ug/L	5.1	2.222	10517.2	4.7
⌞>	Sc	45		ug/L		1277137.112	1324996.8	0.6
⌜	Cr	52	**25.063**	ug/L	2.9	7621.529	318425.1	2.0
⌞	Mn	55	**24.930**	ug/L	2.2	890.028	501820.1	2.7
⌞	Cu	65	**24.887**	ug/L	0.2	75.556	91744.8	0.9
⌞	Zn	68	**24.886**	ug/L	1.3	533.148	47068.5	0.7
⌞	As	75	**24.922**	ug/L	0.9	238.603	70334.9	1.7
⌞	Se	82	**24.883**	ug/L	2.0	145.556	7961.1	2.6
⌞>	Ge	74		ug/L		1186602.586	1198787.9	0.9
⌜	Ag	107	**25.016**	ug/L	0.6	27.778	357734.9	0.5
⌞	Cd	111	**24.920**	ug/L	2.5	19.333	78319.4	1.4
⌞	Sb	123	**24.973**	ug/L	1.7	21.920	207298.8	0.7
⌞	Ba	137	**24.975**	ug/L	3.7	24.444	130571.0	3.0
⌞>	Rh	103		ug/L		1273900.444	1272805.1	1.1
⌜	Tl	203	**25.015**	ug/L	1.8	126.667	317296.5	1.3
⌞	Pb	208	**25.011**	ug/L	1.2	641.117	1023164.4	0.7
⌞>	Ho	165		ug/L		1167678.447	1223201.2	1.9

01292

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: Standard 4

Sample Description:
Sample Date/Time: Monday, November 29, 2004 15:43:23
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**49.818**	ug/L	4.7	2.222	21155.7	3.7
⌞>	Sc	45		ug/L		1277137.112	1344010.5	1.1
⌜	Cr	52	**49.766**	ug/L	2.1	7621.529	635363.7	1.0
⌞	Mn	55	**49.649**	ug/L	0.8	890.028	1007543.3	0.8
⌞	Cu	65	**50.046**	ug/L	2.2	75.556	191008.6	1.4
⌞	Zn	68	**49.866**	ug/L	1.2	533.148	96005.3	2.4
⌞	As	75	**50.097**	ug/L	1.7	238.603	146698.6	2.0
⌞	Se	82	**50.215**	ug/L	2.6	145.556	16670.8	2.5
⌞>	Ge	74		ug/L		1186602.586	1238059.7	1.5
⌜	Ag	107	**50.103**	ug/L	2.4	27.778	743848.1	1.8
⌞	Cd	111	**50.096**	ug/L	1.0	19.333	163402.3	1.0
⌞	Sb	123	**50.044**	ug/L	0.8	21.920	429649.9	1.2
⌞	Ba	137	**49.865**	ug/L	1.3	24.444	266478.9	2.3
⌞>	Rh	103		ug/L		1273900.444	1312496.4	1.3
⌜	Tl	203	**50.003**	ug/L	1.3	126.667	657631.0	2.3
⌞	Pb	208	**49.942**	ug/L	1.4	641.117	2109232.7	0.3
⌞>	Ho	165		ug/L		1167678.447	1268123.4	1.6

01293

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICV

Sample Description: 25 PPB CHECK SOLUTION
Sample Date/Time: Monday, November 29, 2004 15:51:56
Number of Replicates: 3
Batch ID: 11-29-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**23.847**	ug/L	5.6	2.222	10384.9	7.1
⌞>	Sc	45		ug/L		1277137.112	1376912.0	1.4
⌜	Cr	52	**24.528**	ug/L	2.7	7621.529	316991.0	2.0
⌞	Mn	55	**25.961**	ug/L	1.0	890.028	526958.1	1.1
⌞	Cu	65	**25.252**	ug/L	3.1	75.556	96345.0	1.6
⌞	Zn	68	**25.097**	ug/L	2.2	533.148	48552.7	1.1
⌞	As	75	**25.299**	ug/L	1.2	238.603	74158.6	0.6
⌞	Se	82	**26.002**	ug/L	2.2	145.556	8699.3	0.5
⌞>	Ge	74		ug/L		1186602.586	1237358.7	1.7
⌜	Ag	107	**24.226**	ug/L	1.3	27.778	369191.2	1.1
⌞	Cd	111	**24.706**	ug/L	3.1	19.333	82712.3	2.6
⌞	Sb	123	**24.769**	ug/L	0.5	21.920	218260.4	0.7
⌞	Ba	137	**24.666**	ug/L	1.8	24.444	135278.7	1.5
⌞>	Rh	103		ug/L		1273900.444	1347014.3	0.6
⌜	Tl	203	**24.497**	ug/L	2.2	126.667	320406.9	1.1
⌞	Pb	208	**26.031**	ug/L	1.7	641.117	1093626.2	0.4
⌞>	Ho	165		ug/L		1167678.447	1261138.2	1.5

01294

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: ICB

Sample Description: BLANK
Sample Date/Time: Monday, November 29, 2004 15:59:57
Number of Replicates: 3
Batch ID: 11-29-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.016**	ug/L	28.4	2.222	8.9	21.7
⌞>	Sc	45		ug/L		1277137.112	1319047.3	1.2
⌜	Cr	52	**0.006**	ug/L	240.1	7621.529	8050.8	1.0
|	Mn	55	**0.001**	ug/L	60.8	890.028	950.0	0.7
|	Cu	65	**0.001**	ug/L	902.9	75.556	81.1	22.6
|	Zn	68	**-0.031**	ug/L	29.5	533.148	497.6	3.8
|	As	75	**0.006**	ug/L	481.9	238.603	268.1	33.4
|	Se	82	**0.067**	ug/L	65.6	145.556	174.4	9.8
⌞>	Ge	74		ug/L		1186602.586	1241245.6	1.5
⌜	Ag	107	**0.003**	ug/L	12.0	27.778	67.8	7.5
|	Cd	111	**-0.004**	ug/L	8.2	19.333	7.1	14.3
|	Sb	123	**0.014**	ug/L	26.6	21.920	148.7	23.6
|	Ba	137	**-0.000**	ug/L	436.0	24.444	24.4	20.8
⌞>	Rh	103		ug/L		1273900.444	1341291.9	1.5
⌜	Tl	203	**-0.002**	ug/L	113.3	126.667	116.7	20.0
|	Pb	208	**0.000**	ug/L	525.8	641.117	705.6	4.0
⌞>	Ho	165		ug/L		1167678.447	1273766.7	0.8

01295

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 0.5 PPB (RL)

Sample Description:
Sample Date/Time: Monday, November 29, 2004 16:08:51
Number of Replicates: 3
Batch ID: 11-29-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.489**	ug/L	5.1	2.222	205.6	6.8
⌞>	Sc	45		ug/L		1277137.112	1315226.8	2.1
⌜	Cr	52	**0.512**	ug/L	6.1	7621.529	14612.4	2.9
⌞	Mn	55	**0.539**	ug/L	6.0	890.028	12025.6	3.3
⌞	Cu	65	**0.565**	ug/L	2.3	75.556	2265.7	0.2
⌞	Zn	68	**0.423**	ug/L	10.7	533.148	1383.4	4.0
⌞	As	75	**0.508**	ug/L	9.1	238.603	1757.6	8.5
⌞	Se	82	**0.514**	ug/L	19.0	145.556	325.6	9.8
⌞>	Ge	74		ug/L		1186602.586	1255644.7	2.3
⌜	Ag	107	**0.493**	ug/L	1.9	27.778	7441.9	1.8
⌞	Cd	111	**0.522**	ug/L	6.5	19.333	1745.0	6.2
⌞	Sb	123	**0.518**	ug/L	4.0	21.920	4528.9	3.7
⌞	Ba	137	**0.520**	ug/L	3.6	24.444	2842.5	3.4
⌞>	Rh	103		ug/L		1273900.444	1329900.6	0.3
⌜	Tl	203	**0.525**	ug/L	6.5	126.667	7149.6	5.6
⌞	Pb	208	**0.523**	ug/L	1.4	641.117	23157.3	0.7
⌞>	Ho	165		ug/L		1167678.447	1288177.8	0.8

01296

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSA

Sample Description:
Sample Date/Time: Monday, November 29, 2004 16:14:47
Number of Replicates: 3
Batch ID: 11-29-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.037**	ug/L	50.2	2.222	15.6	44.6
⌞>	Sc	45		ug/L		1277137.112	1161365.0	1.1
⌜	Cr	52	**0.848**	ug/L	1.4	7621.529	16832.2	1.8
⌟	Mn	55	**4.250**	ug/L	1.7	890.028	78629.2	1.6
⌟	Cu	65	**4.297**	ug/L	5.3	75.556	14867.7	4.3
⌟	Zn	68	**4.212**	ug/L	2.0	533.148	7781.4	2.8
⌟	As	75	**0.471**	ug/L	23.5	238.603	1466.5	19.0
⌟	Se	82	**0.983**	ug/L	13.9	145.556	428.9	9.1
⌞>	Ge	74		ug/L		1186602.586	1117682.1	1.0
⌜	Ag	107	**0.052**	ug/L	1.0	27.778	773.4	2.2
⌟	Cd	111	**-0.416**	ug/L	27.5	19.333	-1298.5	26.4
⌟	Sb	123	**1.859**	ug/L	3.2	21.920	15568.3	0.7
⌟	Ba	137	**0.466**	ug/L	4.9	24.444	2448.0	4.5
⌞>	Rh	103		ug/L		1273900.444	1278931.9	2.6
⌜	Tl	203	**0.450**	ug/L	2.9	126.667	6035.7	3.7
⌟	Pb	208	**0.778**	ug/L	2.7	641.117	33450.7	3.6
⌞>	Ho	165		ug/L		1167678.447	1263461.9	0.9

01297

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MSICSAB

Sample Description:
Sample Date/Time: Monday, November 29, 2004 16:17:46
Number of Replicates: 3
Batch ID: 11-29-04
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.030**	ug/L	30.0	2.222	13.3	25.0
⌞>	Sc	45		ug/L		1277137.112	1193935.3	0.9
⌜	Cr	52	**19.082**	ug/L	2.8	7621.529	230854.0	2.0
⌞	Mn	55	**23.600**	ug/L	2.5	890.028	445265.9	1.5
⌞	Cu	65	**21.531**	ug/L	1.7	75.556	76389.3	2.4
⌞	Zn	68	**19.982**	ug/L	0.6	533.148	36041.4	1.1
⌞	As	75	**19.550**	ug/L	0.9	238.603	53320.4	1.6
⌞	Se	82	**19.149**	ug/L	3.3	145.556	5994.6	4.5
⌞>	Ge	74		ug/L		1186602.586	1150015.5	1.3
⌜	Ag	107	**18.344**	ug/L	1.5	27.778	274118.6	1.4
⌞	Cd	111	**9.798**	ug/L	3.6	19.333	32168.3	1.4
⌞	Sb	123	**1.942**	ug/L	1.7	21.920	16803.8	1.2
⌞	Ba	137	**0.347**	ug/L	5.3	24.444	1890.1	3.2
⌞>	Rh	103		ug/L		1273900.444	1320998.9	2.1
⌜	Tl	203	**0.108**	ug/L	5.8	126.667	1612.3	4.6
⌞	Pb	208	**0.785**	ug/L	1.2	641.117	35173.7	1.5
⌞>	Ho	165		ug/L		1167678.447	1318459.1	1.0

01298

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description: 50 PPB QC SOLUTION
Sample Date/Time: Monday, November 29, 2004 16:25:51
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**47.243**	ug/L	6.5	2.222	21707.6	6.4
⌞>	Sc	45		ug/L		1277137.112	1453864.9	0.2
⌜	Cr	52	**48.977**	ug/L	2.6	7621.529	678763.1	2.5
|	Mn	55	**50.000**	ug/L	0.5	890.028	1101106.2	0.2
|	Cu	65	**49.727**	ug/L	1.8	75.556	205974.4	1.3
|	Zn	68	**50.112**	ug/L	0.7	533.148	104681.7	0.8
|	As	75	**50.757**	ug/L	1.4	238.603	161280.8	1.0
|	Se	82	**50.048**	ug/L	1.6	145.556	18031.4	1.1
⌞>	Ge	74		ug/L		1186602.586	1343461.4	0.5
⌜	Ag	107	**49.590**	ug/L	1.3	27.778	799600.6	1.2
|	Cd	111	**50.139**	ug/L	1.0	19.333	177605.7	1.1
|	Sb	123	**50.234**	ug/L	1.1	21.920	468357.4	1.1
|	Ba	137	**49.369**	ug/L	0.4	24.444	286477.3	0.4
⌞>	Rh	103		ug/L		1273900.444	1425275.6	0.1
⌜	Tl	203	**50.626**	ug/L	1.0	126.667	727885.6	1.8
|	Pb	208	**51.027**	ug/L	2.5	641.117	2355666.1	0.6
⌞>	Ho	165		ug/L		1167678.447	1386523.7	2.4

01299

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description: BLANK
Sample Date/Time: Monday, November 29, 2004 16:31:54
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.011**	ug/L	72.3	2.222	7.8	49.5
⌞>	Sc	45		ug/L		1277137.112	1443433.7	1.4
⌜	Cr	52	**-0.012**	ug/L	142.8	7621.529	8226.5	1.1
⌞	Mn	55	**0.006**	ug/L	36.9	890.028	1116.7	5.2
⌞	Cu	65	**0.005**	ug/L	125.6	75.556	103.3	24.4
⌞	Zn	68	**0.002**	ug/L	676.0	533.148	590.8	3.4
⌞	As	75	**-0.024**	ug/L	52.0	238.603	188.4	22.0
⌞	Se	82	**0.024**	ug/L	224.2	145.556	168.9	12.7
⌞>	Ge	74		ug/L		1186602.586	1306872.4	1.8
⌜	Ag	107	**0.003**	ug/L	23.4	27.778	86.7	13.9
⌞	Cd	111	**-0.001**	ug/L	919.9	19.333	19.6	114.2
⌞	Sb	123	**0.018**	ug/L	14.6	21.920	195.3	13.2
⌞	Ba	137	**0.002**	ug/L	49.2	24.444	38.9	13.1
⌞>	Rh	103		ug/L		1273900.444	1460876.1	1.1
⌜	Tl	203	**-0.001**	ug/L	109.2	126.667	131.1	12.5
⌞	Pb	208	**-0.002**	ug/L	5.7	641.117	651.1	1.1
⌞>	Ho	165		ug/L		1167678.447	1355363.6	1.1

01300

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: MB

Sample Description:
Sample Date/Time: Monday, November 29, 2004 16:34:56
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	374.7	2.222	3.3	100.0
⌞>	Sc	45		ug/L		1277137.112	1405939.4	1.7
⌜	Cr	52	**-0.020**	ug/L	123.7	7621.529	8339.9	4.2
⌞	Mn	55	**0.054**	ug/L	15.8	890.028	2179.1	8.0
⌞	Cu	65	**0.122**	ug/L	6.3	75.556	590.0	4.9
⌞	Zn	68	**0.773**	ug/L	6.8	533.148	2203.8	4.3
⌞	As	75	**0.002**	ug/L	1290.3	238.603	276.4	32.3
⌞	Se	82	**0.041**	ug/L	119.9	145.556	178.9	9.2
⌞>	Ge	74		ug/L		1186602.586	1340045.1	1.1
⌜	Ag	107	**0.002**	ug/L	31.1	27.778	63.3	15.8
⌞	Cd	111	**0.001**	ug/L	353.5	19.333	25.3	53.4
⌞	Sb	123	**0.010**	ug/L	18.7	21.920	116.6	15.4
⌞	Ba	137	**0.013**	ug/L	22.0	24.444	101.1	16.6
⌞>	Rh	103		ug/L		1273900.444	1416908.3	0.6
⌜	Tl	203	**-0.003**	ug/L	23.1	126.667	106.7	8.3
⌞	Pb	208	**0.015**	ug/L	19.9	641.117	1405.6	7.4
⌞>	Ho	165		ug/L		1167678.447	1349801.1	2.3

MB

01301

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11 (5X)

Sample Description: 5X
Sample Date/Time: Monday, November 29, 2004 16:38:13
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11 (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	**0.021**	ug/L	21.2	2.222	12.2	15.7
⌞>	Sc	45		ug/L		1277137.112	1456921.0	1.6
⌜	Cr	52	**0.177**	ug/L	0.4	7621.529	11139.0	0.6
⌞	Mn	55	**0.997**	ug/L	2.1	890.028	23147.6	1.8
⌞	Cu	65	**0.230**	ug/L	10.0	75.556	1046.7	9.7
⌞	Zn	68	**0.330**	ug/L	10.5	533.148	1300.2	6.0
⌞	As	75	**0.226**	ug/L	12.5	238.603	993.9	8.6
⌞	Se	82	**0.045**	ug/L	263.0	145.556	182.2	22.9
⌞>	Ge	74		ug/L		1186602.586	1354813.7	0.5
⌜	Ag	107	**0.004**	ug/L	40.2	27.778	101.1	26.9
⌞	Cd	111	**-0.003**	ug/L	154.7	19.333	11.1	154.2
⌞	Sb	123	**0.054**	ug/L	10.1	21.920	548.1	10.1
⌞	Ba	137	**1.179**	ug/L	2.9	24.444	7071.8	3.0
⌞>	Rh	103		ug/L		1273900.444	1467100.4	1.1
⌜	Tl	203	**-0.002**	ug/L	34.8	126.667	118.9	9.0
⌞	Pb	208	**0.012**	ug/L	26.6	641.117	1343.4	11.0
⌞>	Ho	165		ug/L		1167678.447	1395196.9	0.5

013002

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11

Sample Description:
Sample Date/Time: Monday, November 29, 2004 16:41:14
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11.024

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.003**	ug/L	518.0	2.222	3.3	173.2
⌞>	Sc	45		ug/L		1277137.112	1336626.7	4.0
⌜	Cr	52	**0.838**	ug/L	7.7	7621.529	21399.5	2.5
|	Mn	55	**4.627**	ug/L	1.1	890.028	109528.5	2.7
|	Cu	65	**0.782**	ug/L	5.8	75.556	3539.3	5.6
|	Zn	68	**0.879**	ug/L	8.4	533.148	2586.4	5.4
|	As	75	**1.189**	ug/L	2.8	238.603	4304.8	2.6
|	Se	82	**0.235**	ug/L	38.1	145.556	264.4	11.0
⌞>	Ge	74		ug/L		1186602.586	1431072.1	2.1
⌜	Ag	107	**0.034**	ug/L	14.9	27.778	603.3	13.0
|	Cd	111	**0.003**	ug/L	381.1	19.333	34.2	125.7
|	Sb	123	**0.253**	ug/L	0.8	21.920	2488.9	1.8
|	Ba	137	**5.909**	ug/L	1.3	24.444	35901.7	0.7
⌞>	Rh	103		ug/L		1273900.444	1491312.9	1.2
⌜	Tl	203	**0.013**	ug/L	12.9	126.667	358.9	7.0
|	Pb	208	**0.021**	ug/L	8.2	641.117	1797.8	2.5
⌞>	Ho	165		ug/L		1167678.447	1452717.7	2.0

01303

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11D

Sample Description:
Sample Date/Time: Monday, November 29, 2004 16:44:16
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11D.025

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.013**	ug/L	29.0	2.222	7.8	24.7
⌞>	Sc	45		ug/L		1277137.112	1323690.8	5.2
⌜	Cr	52	**0.970**	ug/L	5.9	7621.529	22477.0	2.7
|	Mn	55	**4.825**	ug/L	2.7	890.028	109978.7	3.3
|	Cu	65	**0.845**	ug/L	1.8	75.556	3678.3	1.8
|	Zn	68	**1.092**	ug/L	3.6	533.148	2946.6	2.8
|	As	75	**1.274**	ug/L	3.0	238.603	4424.1	1.7
|	Se	82	**0.409**	ug/L	10.1	145.556	318.9	3.7
⌞>	Ge	74		ug/L		1186602.586	1378624.2	1.1
⌜	Ag	107	**0.032**	ug/L	11.2	27.778	562.2	10.5
|	Cd	111	**0.003**	ug/L	401.9	19.333	32.7	128.5
|	Sb	123	**0.264**	ug/L	4.3	21.920	2547.6	4.5
|	Ba	137	**5.786**	ug/L	2.9	24.444	34496.1	3.3
⌞>	Rh	103		ug/L		1273900.444	1463302.2	0.4
⌜	Tl	203	**0.008**	ug/L	28.2	126.667	267.8	11.2
|	Pb	208	**0.020**	ug/L	12.4	641.117	1711.2	7.3
⌞>	Ho	165		ug/L		1167678.447	1405895.8	1.2

01304

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11S

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 16:47:18
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11S.026

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**1.933**	ug/L	9.8	2.222	892.3	9.9
⌞>	Sc	45		ug/L		1277137.112	1456655.6	1.2
⌜	Cr	52	**7.269**	ug/L	0.9	7621.529	110986.9	0.9
⌞	Mn	55	**18.851**	ug/L	2.5	890.028	426907.8	2.7
⌞	Cu	65	**9.470**	ug/L	1.5	75.556	40346.9	1.6
⌞	Zn	68	**19.861**	ug/L	0.3	533.148	42973.3	0.3
⌞	As	75	**73.756**	ug/L	1.9	238.603	240528.2	2.5
⌞	Se	82	**72.999**	ug/L	2.1	145.556	26929.8	2.7
⌞>	Ge	74		ug/L		1186602.586	1379400.8	0.6
⌜	Ag	107	**10.651**	ug/L	2.7	27.778	173647.2	2.4
⌞	Cd	111	**1.868**	ug/L	2.1	19.333	6712.5	2.3
⌞	Sb	123	**51.580**	ug/L	2.6	21.920	486248.5	2.9
⌞	Ba	137	**72.411**	ug/L	1.5	24.444	424808.7	1.3
⌞>	Rh	103		ug/L		1273900.444	1441047.0	0.4
⌜	Tl	203	**74.408**	ug/L	1.0	126.667	1061564.4	1.6
⌞	Pb	208	**19.578**	ug/L	0.9	641.117	897616.4	1.5
⌞>	Ho	165		ug/L		1167678.447	1375826.9	1.8

Spike

01305

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11SD

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 16:50:21
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11SD.027

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**1.768**	ug/L	6.0	-2.222	830.0	3.9
⌞>	Sc	45		ug/L		1277137.112	1482374.7	2.1
⌜	Cr	52	**7.028**	ug/L	2.3	7621.529	107621.6	1.5
|	Mn	55	**18.600**	ug/L	3.6	890.028	421306.3	3.2
|	Cu	65	**8.621**	ug/L	1.9	75.556	36746.1	1.3
|	Zn	68	**18.675**	ug/L	0.8	533.148	40456.2	0.9
|	As	75	**70.825**	ug/L	1.1	238.603	231032.9	0.5
|	Se	82	**71.107**	ug/L	2.2	145.556	26245.2	2.9
⌞>	Ge	74		ug/L		1186602.586	1379855.6	0.7
⌜	Ag	107	**10.363**	ug/L	1.6	27.778	169690.8	0.6
|	Cd	111	**1.776**	ug/L	4.6	19.333	6409.7	3.9
|	Sb	123	**49.713**	ug/L	0.9	21.920	470643.5	0.8
|	Ba	137	**68.679**	ug/L	1.3	24.444	404647.6	0.6
⌞>	Rh	103		ug/L		1273900.444	1447343.8	1.2
⌜	Tl	203	**70.576**	ug/L	1.2	126.667	1026913.4	1.6
|	Pb	208	**18.187**	ug/L	1.4	641.117	850432.6	1.1
⌞>	Ho	165		ug/L		1167678.447	1403167.4	1.7

01306

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124993-11PS

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 16:53:21
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124993-11PS.028

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**1.701**	ug/L	13.1	2.222	812.2	13.8
⌞>	Sc	45		ug/L		1277137.112	1505393.7	1.3
⌜	Cr	52	**7.400**	ug/L	1.6	7621.529	111474.2	1.5
⌡	Mn	55	**19.736**	ug/L	3.0	890.028	441483.0	2.0
⌡	Cu	65	**9.527**	ug/L	0.3	75.556	40111.8	2.3
⌡	Zn	68	**20.397**	ug/L	2.3	533.148	43585.0	1.6
⌡	As	75	**73.592**	ug/L	2.3	238.603	237082.0	1.0
⌡	Se	82	**77.236**	ug/L	3.4	145.556	28132.1	1.6
⌞>	Ge	74		ug/L		1186602.586	1363116.7	2.0
⌜	Ag	107	**9.357**	ug/L	0.4	27.778	156827.3	1.2
⌡	Cd	111	**1.867**	ug/L	1.3	19.333	6895.1	0.4
⌡	Sb	123	**50.361**	ug/L	1.7	21.920	487993.4	2.5
⌡	Ba	137	**71.310**	ug/L	1.0	24.444	430001.8	1.3
⌞>	Rh	103		ug/L		1273900.444	1481170.3	0.9
⌜	Tl	203	**72.150**	ug/L	2.7	126.667	1055295.9	2.3
⌡	Pb	208	**19.189**	ug/L	1.0	641.117	902023.2	0.7
⌞>	Ho	165		ug/L		1167678.447	1410532.9	0.7

01307

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BS

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 16:56:17
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**1.789**	ug/L	5.0	2.222	853.4	6.1
⌞>	Sc	45		ug/L		1277137.112	1504455.4	1.4
⌜	Cr	52	**7.555**	ug/L	2.4	7621.529	114340.2	2.2
⌞	Mn	55	**19.641**	ug/L	3.9	890.028	442013.0	1.7
⌞	Cu	65	**9.896**	ug/L	3.8	75.556	41915.9	3.7
⌞	Zn	68	**20.643**	ug/L	1.5	533.148	44396.7	3.1
⌞	As	75	**74.651**	ug/L	2.2	238.603	242038.6	2.2
⌞	Se	82	**76.908**	ug/L	1.4	145.556	28202.3	2.5
⌞>	Ge	74		ug/L		1186602.586	1371762.7	2.4
⌜	Ag	107	**10.661**	ug/L	2.3	27.778	179681.3	2.8
⌞	Cd	111	**1.913**	ug/L	0.5	19.333	7104.1	1.3
⌞	Sb	123	**52.225**	ug/L	3.5	21.920	508863.9	3.7
⌞	Ba	137	**72.821**	ug/L	0.9	24.444	441568.4	0.5
⌞>	Rh	103		ug/L		1273900.444	1489489.6	0.9
⌜	Tl	203	**73.769**	ug/L	1.8	126.667	1079971.8	2.0
⌞	Pb	208	**19.760**	ug/L	1.3	641.117	929668.6	1.7
⌞>	Ho	165		ug/L		1167678.447	1411696.4	0.4

01308

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: BSD

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 16:59:13
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**1.825**	ug/L	12.9	2.222	867.8	11.6
⌞>	Sc	45		ug/L		1277137.112	1501397.9	1.2
⌜	Cr	52	**7.661**	ug/L	1.6	7621.529	116345.3	0.2
⌞	Mn	55	**19.868**	ug/L	3.2	890.028	449240.7	2.1
⌞	Cu	65	**9.783**	ug/L	0.7	75.556	41631.7	1.5
⌞	Zn	68	**21.290**	ug/L	0.5	533.148	45966.1	1.2
⌞	As	75	**76.176**	ug/L	1.5	238.603	248079.9	0.4
⌞	Se	82	**76.900**	ug/L	3.9	145.556	28314.7	2.5
⌞>	Ge	74		ug/L		1186602.586	1377841.2	1.5
⌜	Ag	107	**10.879**	ug/L	2.6	27.778	185186.1	1.8
⌞	Cd	111	**1.918**	ug/L	2.2	19.333	7193.2	0.8
⌞	Sb	123	**52.014**	ug/L	0.5	21.920	511992.7	1.9
⌞	Ba	137	**72.273**	ug/L	0.6	24.444	442722.7	1.2
⌞>	Rh	103		ug/L		1273900.444	1504695.2	1.4
⌜	Tl	203	**75.948**	ug/L	2.8	126.667	1103576.7	2.4
⌞	Pb	208	**19.826**	ug/L	0.1	641.117	925908.7	1.6
⌞>	Ho	165		ug/L		1167678.447	1401382.3	1.5

01309

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: LCS

Sample Description: 50X
Sample Date/Time: Monday, November 29, 2004 17:02:10
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**1.908**	ug/L	5.9	2.222	891.1	4.7
⌞>	Sc	45		ug/L		1277137.112	1474629.1	1.8
⌜	Cr	52	**7.740**	ug/L	0.5	7621.529	117614.5	2.1
|	Mn	55	**19.337**	ug/L	3.0	890.028	437751.9	1.2
|	Cu	65	**9.612**	ug/L	4.2	75.556	40931.9	2.0
|	Zn	68	**20.202**	ug/L	3.2	533.148	43690.6	2.1
|	As	75	**75.335**	ug/L	2.0	238.603	245624.9	0.7
|	Se	82	**75.997**	ug/L	2.4	145.556	28020.8	0.2
⌞>	Ge	74		ug/L		1186602.586	1379603.5	2.2
⌜	Ag	107	**11.187**	ug/L	3.7	27.778	183751.1	1.8
|	Cd	111	**1.936**	ug/L	2.2	19.333	7008.9	1.9
|	Sb	123	**54.428**	ug/L	3.1	21.920	516869.5	1.0
|	Ba	137	**73.995**	ug/L	1.8	24.444	437429.8	0.9
⌞>	Rh	103		ug/L		1273900.444	1452439.2	2.4
⌜	Tl	203	**76.199**	ug/L	0.3	126.667	1095311.1	1.2
|	Pb	208	**19.967**	ug/L	2.5	641.117	922166.8	1.4
⌞>	Ho	165		ug/L		1167678.447	1386128.9	1.2

L24

01310

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:05:10
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**49.801**	ug/L	5.7	2.222	22808.2	5.9
⌞>	Sc	45		ug/L		1277137.112	1449044.8	1.3
⌜	Cr	52	**49.415**	ug/L	1.6	7621.529	697509.1	1.8
⎸	Mn	55	**50.251**	ug/L	1.8	890.028	1127072.0	1.0
⎸	Cu	65	**49.294**	ug/L	2.4	75.556	207965.4	1.8
⎸	Zn	68	**50.166**	ug/L	0.6	533.148	106744.9	1.3
⎸	As	75	**50.222**	ug/L	1.0	238.603	162554.2	1.0
⎸	Se	82	**50.578**	ug/L	2.0	145.556	18562.1	2.8
⌞>	Ge	74		ug/L		1186602.586	1368433.0	0.9
⌜	Ag	107	**48.965**	ug/L	0.9	27.778	796857.8	1.8
⎸	Cd	111	**49.665**	ug/L	0.7	19.333	177559.9	1.8
⎸	Sb	123	**50.425**	ug/L	0.6	21.920	474484.1	1.5
⎸	Ba	137	**49.188**	ug/L	1.6	24.444	288029.2	0.6
⌞>	Rh	103		ug/L		1273900.444	1438457.1	1.3
⌜	Tl	203	**50.958**	ug/L	3.5	126.667	731811.6	2.4
⎸	Pb	208	**50.798**	ug/L	2.3	641.117	2343203.3	0.9
⌞>	Ho	165		ug/L		1167678.447	1385187.1	1.6

01311

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:11:13
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\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	**0.004**	ug/L	99.1	2.222	4.4	43.3
⌞>	Sc	45		ug/L		1277137.112	1453560.3	2.0
⌜	Cr	52	**0.014**	ug/L	194.6	7621.529	8757.2	4.0
|	Mn	55	**-0.001**	ug/L	143.1	890.028	973.4	5.7
|	Cu	65	**-0.002**	ug/L	142.5	75.556	75.6	16.7
|	Zn	68	**-0.045**	ug/L	74.1	533.148	506.4	14.2
|	As	75	**-0.019**	ug/L	131.0	238.603	210.4	38.1
|	Se	82	**0.012**	ug/L	284.2	145.556	167.8	8.0
⌞>	Ge	74		ug/L		1186602.586	1333253.4	1.8
⌜	Ag	107	**0.004**	ug/L	30.5	27.778	97.8	20.5
|	Cd	111	**-0.001**	ug/L	411.1	19.333	19.6	46.0
|	Sb	123	**0.142**	ug/L	2.0	21.920	1354.3	1.9
|	Ba	137	**0.001**	ug/L	127.9	24.444	35.6	28.6
⌞>	Rh	103		ug/L		1273900.444	1434178.9	0.4
⌜	Tl	203	**-0.001**	ug/L	210.8	126.667	134.4	19.9
|	Pb	208	**-0.001**	ug/L	60.0	641.117	704.5	2.8
⌞>	Ho	165		ug/L		1167678.447	1354571.5	0.6

01312

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: 124945-1

Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:31:37
Number of Replicates: 3
Batch ID: DP761
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\124945-1.040

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**0.025**	ug/L	32.1	2.222	13.3	25.0
⌞>	Sc	45		ug/L		1277137.112	1382603.9	4.6
⌜	Cr	52	**1.938**	ug/L	3.5	7621.529	36949.3	1.7
|	Mn	55	**92.296**	ug/L	1.6	890.028	2136070.9	1.3
|	Cu	65	**1.120**	ug/L	5.4	75.556	4963.1	4.1
|	Zn	68	**2.003**	ug/L	3.1	533.148	5009.1	2.9
|	As	75	**0.650**	ug/L	9.0	238.603	2452.2	7.0
|	Se	82	**0.797**	ug/L	8.5	145.556	472.2	5.1
⌞>	Ge	74		ug/L		1186602.586	1412560.9	1.2
⌜	Ag	107	**0.047**	ug/L	7.7	27.778	800.0	5.8
|	Cd	111	**-0.017**	ug/L	6.3	19.333	-38.0	9.1
|	Sb	123	**0.305**	ug/L	2.6	21.920	2934.7	0.8
|	Ba	137	**7.628**	ug/L	2.1	24.444	45374.2	0.9
⌞>	Rh	103		ug/L		1273900.444	1460681.0	2.2
⌜	Tl	203	**0.015**	ug/L	3.2	126.667	385.6	2.6
|	Pb	208	**0.096**	ug/L	3.7	641.117	5375.9	2.3
⌞>	Ho	165		ug/L		1167678.447	1434531.1	0.9

01313

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 3

Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:45:43
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\QC Std 3.044

Results (ug / l)

Dual Detector Mode

	Analyte	Mass	Conc. Mean	Units	Conc. RSD	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD
⌜	Be	9	**46.302**	ug/L	5.0	2.222	20895.3	5.0
⌞>	Sc	45		ug/L		1277137.112	1427889.9	1.0
⌜	Cr	52	**47.235**	ug/L	1.3	7621.529	658246.8	2.2
⌞	Mn	55	**50.038**	ug/L	1.6	890.028	1107326.5	1.2
⌞	Cu	65	**49.828**	ug/L	1.9	75.556	207419.8	2.0
⌞	Zn	68	**51.659**	ug/L	1.9	533.148	108413.6	0.6
⌞	As	75	**50.961**	ug/L	0.7	238.603	162749.9	1.9
⌞	Se	82	**51.241**	ug/L	2.6	145.556	18545.4	0.8
⌞>	Ge	74		ug/L		1186602.586	1350233.9	1.9
⌜	Ag	107	**48.544**	ug/L	2.2	27.778	788175.5	1.5
⌞	Cd	111	**49.725**	ug/L	2.4	19.333	177365.9	2.1
⌞	Sb	123	**49.228**	ug/L	2.5	21.920	462101.8	0.3
⌞	Ba	137	**50.416**	ug/L	2.5	24.444	294552.5	0.9
⌞>	Rh	103		ug/L		1273900.444	1435530.0	2.3
⌜	Tl	203	**50.906**	ug/L	2.0	126.667	761914.6	0.9
⌞	Pb	208	**51.743**	ug/L	1.6	641.117	2487381.6	0.3
⌞>	Ho	165		ug/L		1167678.447	1443461.3	1.6

01314

STL Seattle Perkin-Elmer Elan 6100 ICP-MS

Sample ID: QC Std 4

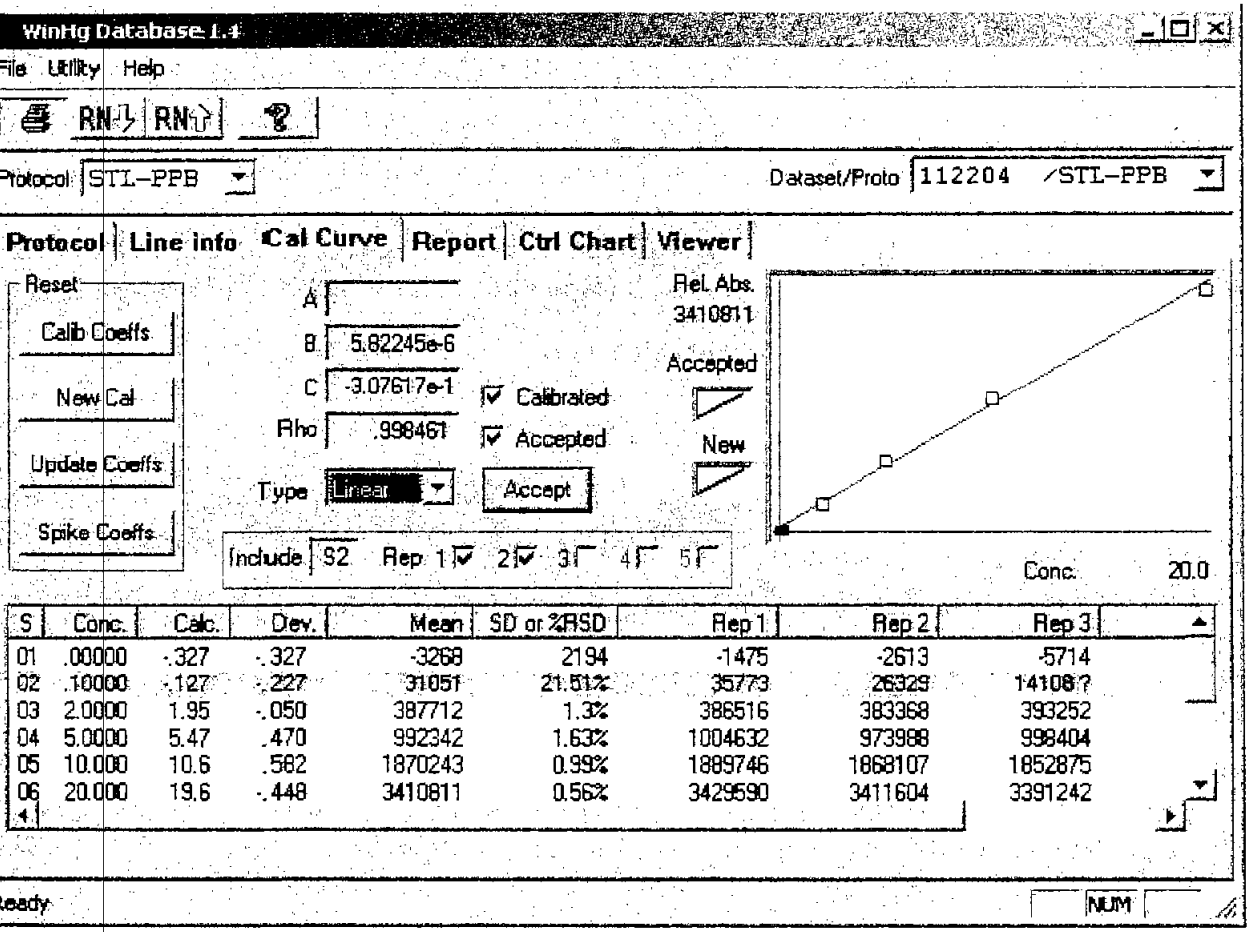
Sample Description:
Sample Date/Time: Monday, November 29, 2004 17:51:46
Number of Replicates: 3
Batch ID:
Method File: C:\elandata\Method\0000-URS.mth
Dataset File: c:\elandata\dataset\112904am\QC Std 4.045

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	78.6	2.222	6.7	50.0
⌞>	Sc	45		ug/L		1277137.112	1322987.7	2.0
⌜	Cr	52	**-0.153**	ug/L	9.5	7621.529	6360.7	3.7
|	Mn	55	**0.071**	ug/L	9.9	890.028	2498.0	6.4
|	Cu	65	**0.018**	ug/L	34.3	75.556	156.7	16.1
|	Zn	68	**0.079**	ug/L	36.6	533.148	746.3	7.9
|	As	75	**-0.033**	ug/L	223.0	238.603	160.2	141.0
|	Se	82	**0.012**	ug/L	742.5	145.556	164.4	18.4
⌞>	Ge	74		ug/L		1186602.586	1307473.0	0.9
⌜	Ag	107	**0.005**	ug/L	10.9	27.778	105.6	7.3
|	Cd	111	**0.005**	ug/L	57.4	19.333	38.4	26.3
|	Sb	123	**0.033**	ug/L	0.9	21.920	321.4	1.3
|	Ba	137	**0.003**	ug/L	64.3	24.444	45.6	27.7
⌞>	Rh	103		ug/L		1273900.444	1372198.1	0.6
⌜	Tl	203	**0.005**	ug/L	19.8	126.667	224.4	8.6
|	Pb	208	**0.018**	ug/L	12.5	641.117	1572.3	8.3
⌞>	Ho	165		ug/L		1167678.447	1362024.2	1.9

01315


WinHg Database 1.4
File Utility Help
RN
RN
Protocol STL-PPB
Dataset/Proto 112204 /STL-PPB
Protocol
Line Info
Cal Curve
Report
Ctrl Chart
Viewer
Reset
Calib Coeffs
New Cal
Update Coeffs
Spike Coeffs
A
B 5.82245e-6
C -3.07617e-1
Rho .998461
Type Linear
Calibrated
Accepted
Accept
Rel. Abs.
3410811
Accepted
New
Include S2 Rep 1 2 3 4 5
Conc. 20.0
S Conc. Calc. Dev. Mean SD or %RSD Rep 1 Rep 2 Rep 3
01 .00000 -.327 -.327 -3268 2194 -1475 -2613 -5714
02 .10000 -.127 -.227 31051 21.51% 35773 26329 14108?
03 2.0000 1.95 -.050 387712 1.3% 386516 383368 393252
04 5.0000 5.47 .470 992342 1.63% 1004632 973988 998404
05 10.000 10.6 .562 1870243 0.99% 1889746 1868107 1852875
06 20.000 19.6 -.448 3410811 0.56% 3429590 3411604 3391242
Ready
NUM

01316

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 2 Ck2 4 PPB Seq: 18 09:32:57 22 Nov 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.3	3.89	4.00	ppb	.000 %

*** Check Standard: 3 Ck3 2 PPB Seq: 19 09:37:25 22 Nov 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.9	2.00	2.00	ppb	.000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 20 09:42:04 22 Nov 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.	5.17	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 21 09:58:04 22 Nov 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.013	.200	ppb	.000 %

*** Check Standard: 4 Ck4 5 PPB Seq: 46 14:47:24 22 Nov 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.12	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 47 14:51:52 22 Nov 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.006	.200	ppb	.000 %

*** Sample ID: mb Seq: 50 15:05:49 22 Nov 04 HG
FCW Hg System#1

Hg	.036	ppb	.000	%	.036

MB

*** Sample ID: 124945-1 Seq: 51 15:10:27 22 Nov 04 HG
FCW Hg System#1

Hg	.060	ppb	.000	%	.060

Sample

*** Sample ID: 124945-1d Seq: 52 15:15:16 22 Nov 04 HG
FCW Hg System#1

Hg	.220	ppb	.000	%	.220

Dup

*** Sample ID: 124945-1s Seq: 53 15:19:48 22 Nov 04 HG
FCW Hg System#1

Hg	1.96	ppb	.000	%	1.96

Spike

*** Sample ID: 124945-1sd Seq: 54 15:24:19 22 Nov 04 HG
FCW Hg System#1

Hg	1.85	ppb	.000	%	1.85

*** Sample ID: era Seq: 55 15:29:03 22 Nov 04 HG
FCW Hg System#1

Hg	1.87	ppb	.000	%	1.87

ERA

*** Sample ID: bs Seq: 56 15:33:37 22 Nov 04 HG
FCW Hg System#1

Hg	1.83	ppb	.000	%	1.83

*** Sample ID: bsd Seq: 57 15:38:20 22 Nov 04 HG
FCW Hg System#1

Hg	1.87	ppb	.000	%	1.84

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 4 Ck4 5 PPB Seq: 58 15:43:01 22 Nov 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.08	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 59 15:47:29 22 Nov 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.004	.200	ppb	.000 %

*** Sample ID: 124936-1 Seq: 60 15:52:00 22 Nov 04 HG

FCW Hg System#1

Hg	.034	ppb	.000	%	.034

*** Check Standard: 4 Ck4 5 PPB Seq: 70 16:38:40 22 Nov 04 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	5.09	5.00	ppb	.000 %

*** Check Standard: 1 Ck1 BLANK Seq: 71 16:43:09 22 Nov 04 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		.009	.200	ppb	.000 %

01318

LABORATORY WORKSHEETS

01319

metals Worksheet - dissolved

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:Liquid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie	1 #2

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

field filtered
"D" BR See attached

Sample number 124945-1	**%Solids**	Client Sample ID	041116SGA01GW
Sample Weight/Volume	**QA/QC Batch** Dp761	Date Received	11/18/2004
		Date Sampled	**1/16/2004 10:30:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Aluminum - Diss.					
Antimony - Diss.		X			
Arsenic - Diss.		X			
Barium - Diss.		X			
Beryllium - Diss.		X			
Cadmium - Diss.		X			
Calcium - Diss.					
Chromium - Diss.		X			
Cobalt - Diss.					
Copper - Diss.		X			
Iron - Diss.					
Lead - Diss.		X			
Magnesium - Diss.					
Manganese - Diss.		X			
Nickel - Diss.					
Potassium - Diss.					
Selenium - Diss.		X			
Silver - Diss.		X			
Sodium - Diss.					
Thallium - Diss.		X			
Vanadium - Diss.					
Zinc - Diss.		X			

Analyst [signature] Date 11/24/04
Reviewed by [signature] Date 12/7/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01320

Mercury (CVAA) Worksheet - dissolved

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:Liquid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Katie	

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP
"D" BHCs
field filtered
F2

Sample number 124945-1	**%Solids**	Client Sample ID	041116SGA01GW
Sample Weight/Volume	**QA/QC Batch** ZD199	Date Received	11/18/2004
		Date Sampled	**1/16/2004 10:30:00 AM**

Analyte Name	ICP	ICPMS	Result	PQL	Units
Mercury - Diss.					

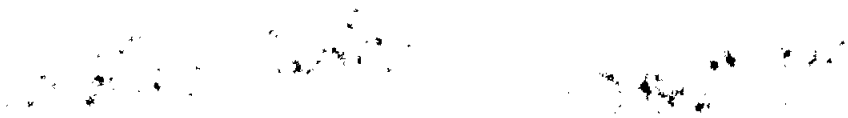
See attached

Analyst _____
Reviewed by _____

Date 11/22/04
Date ~~32848~~ 11/24/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01321



STL Seattle
METALS DIGESTION LOG

Date: 11/24/04
Analyst: F

Nitric Acid Lot No.: S002

QC Batch ID: DP761
HCl Lot No.: N/A

H2O2 Lot No.: N/A

Spike STL Std. No.: 1001-11-15, 1001-11-13
1001-09-18

Method:

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
124993-11	50 mL	DW		N/A	
11D	↓	↓		↓	
11S			1 mL		
11SD			↓		
8					
9					
10					
13					
14					
18					
124945-1					
125047-1	↓	↓		↓	
BLK	50 mL			N/A	
BS	↓		1 mL	↓	
BSD			↓		
LCS	↓		↓	↓	

SPIKE WITNESSING: (CHECK OFF, SIGN & DATE)

Method	Matrix
Special Spiking Instructions	Spike Soln. Amount Spiked

Signature: [signature]
Date: 11/24/04

01322
0004

Mercury Digestion Log

QCBatch ID	zd199
Sample Matrix	dissolved
Hg Spike/Stds Soln Lot #	11-35HG
ERA/Chk Stds Spike Soln.	1001-10-10
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	7470A

Weighed By/Date F 11/22/04

Extracted By/Date

Comments

Spike Witness Signature/Date SSG 11/07/04

QC Sample Type	QC Identifier	Sample Weight (ml)	Final Volume (ml)	MS/BS spike amt (ml)	Standards
Method Blank	zd199	50.0000	50		Blank ppb
Duplicate	124945r1	50.0000	50		0.1 ppb
Duplicate-2					2.0 ppb
Blank Spike	szd199	50.0000	50	1	5.0 ppb
Blank Spike Duplicate	dzd199	50.0000	50	1	10.0 ppb
Matrix Spike	124945s1	50.0000	50	1	20.0 ppb
Matrix Spike Duplicate	124945d1	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
124945-1	41116SGA01G	50.0000	50	100	Blank ppb
124936-1	Influent	50.0000	50	100	5.0 ppb
					2.0 ppb
					4.0 ppb
					Bath Temp

01323

STL Seattle

6a **Sample Information** — 6010 method is selected

Client Name					
Work Order Number					
Sample Number				Related Blan	noblank
Data Filename	**dp761**				
Client Sample ID					
Date Received					
Date Prepared	**11-24-04**				
Date Analyzed	**11-24-04**				
Sample matrix type	**dissolved**				
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

01324

STL Seattle

6a **Sample Information** — 6010 method is selected

Client Name	**URS Corporation**
Work Order Number	**124945**
Sample Number	**1**
Data Filename	**dp761**
Client Sample ID	**41116SGA01GW**
Date Received	**11-18-04**
Date Prepared	**11-24-04**
Date Analyzed	**11-24-04**
Sample matrix type	**dissolved**
QC sample type	**sample**

Related Blan dp761

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	0.276739			0.277		0.1
x	Calcium	27.99925			28		1
x	Cobalt	0.002483			0.00248	J	0.005
x	Iron	0.22767			0.228		0.1
x	Magnesium	7.646414			7.65		1
x	Nickel	0.000403			0.000403	J	0.01
x	Potassium	1.051228			1.05		1
x	Sodium	10.92632			10.9		1
x	Vanadium	0.001001			0.001	J	0.01

01325

STL Seattle

6a Sample Information

Client Name	**URS Corporation**
Work Order Number	**124945**
Sample Number	**1**
Data Filename	**dp761**
Client Sample ID	**41116SGA01GW**
Date Received	**11-18-04**
Date Prepared	**11-24-04**
Date Analyzed	**11-29-04**
Sample matrix type	**dissolved**
QC sample type	**sample**

Related Blan dp761

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	0.00065			0.00065		0.0005
x	Antimony	0.000305			0.000305	J	0.0005
x	Barium	0.007628			0.00763		0.0005
x	Chromium	0.001938			0.00194		0.0005
x	Copper	0.00112		0.00012	0.00112	B1	0.0005
x	Lead	0.000096			0.000096	J	0.0005
x	Manganese	0.092296		5.4E-05	0.0923	B2	0.0005
x	Selenium	0.000797			0.000797		0.0005
x	Silver	0.000047			0.000047	J	0.0001
x	Zinc	0.002003		0.00077	0.002	B1	0.002

01326

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blan	noblank
Data Filename	**dp761**				
Client Sample ID					
Date Received					
Date Prepared	**11-24-04**				
Date Analyzed	**11-29-04**				
Sample matrix type	**dissolved**				
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	Copper	0.000122			0.000122	J	0.0005
x	Manganese	0.000054			0.000054	J	0.0005
x	Zinc	0.000773			0.000773	J	0.002

01327

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**				
Work Order Number	**124945**				
Sample Number	**1**			Related Blan	zd199
Data Filename	**zd199**				
Client Sample ID	**41116SGA01GW**				
Date Received	**11-18-04**				
Date Prepared	**11-22-04**				
Date Analyzed	**11-22-04**				
Sample matrix type	**dissolved**				
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
x	Mercury	0.00006			0.00006	J	0.0002

01328

STL Seattle

6a **Sample Information**

Client Name					
Work Order Number					
Sample Number				Related Blan	noblank
Data Filename	**zd199**				
Client Sample ID					
Date Received					
Date Prepared	**11-22-04**				
Date Analyzed	**11-22-04**				
Sample matrix type	**dissolved**				
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

01329

TOTAL SUSPENDED SOLIDS

01330

Total Suspended Solids Worksheet - total

By 11/23

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:Liquid		
URS Corporation	Proj. Manager: ~~Dawn Werner~~ Kati	

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

"G" BTL

Sample number 124945-1	**%Solids**	Client Sample ID	041116SGA01GW
Sample Weight/Volume	**QA/QC Batch**	**Date Sampled**	1/16/2004 10:30:00 AM

Analyte Name	Method	Result	PQL	Units
Total Suspended Solids				

Analyst _____ Date 11-24-04

Reviewed by _____ Date 32868.29.03

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01331

TSS EPA Method 160.2

Date: 11/24/04 **Analyst:** PB

Batch: 1279-89 Check Standard ID 0185-128-4

Sample ID	Plate #	Volume	Wt F1	Wt F2	Wt Int	Solids	Mg/L	PQL
125015-13	P9413	500	0.1131	0.113	0.1103	0.0027	5	2
125015-14	P9412	500	0.1122	0.1122	0.1095	0.0027	5	2
125015-15	P9411	500	0.1193	0.1194	0.1098	0.0096	19	2
125015-16	P9410	500	0.1206	0.1206	0.1173	0.0033	7	2
125015-17	P9409	500	0.1214	0.1214	0.1165	0.0049	10	2
125015-18	P9408	500	0.1131	0.1131	0.1088	0.0043	9	2
125015-19	P9407	500	0.1231	0.1232	0.1148	0.0084	17	2
125015-20	P9406	500	0.1256	0.1256	0.1162	0.0094	19	2
125015-21	P9405	500	0.1274	0.1273	0.1167	0.0106	21	2
125015-22	P9404	500	0.1175	0.1175	0.1088	0.0087	17	2
125015-23	P9403	500	0.1182	0.1182	0.1103	0.0079	16	2
125015-24	P9402	500	0.1266	0.1266	0.1165	0.0101	20	2
125015-25	P9401	500	0.1147	0.1147	0.1082	0.0065	13	2
125015-26	P9400	500	0.1185	0.1185	0.1142	0.0043	9	2
124920-1	P9399	500	0.1082	0.1081	0.1078	0.0003	ND	2
124945-1	P9398	100	0.1322	0.1322	0.109	0.0232	232	10
124947-1	P9397	250	0.2079	0.2077	0.116	0.0917	367	4
124951-1	P9396	250	0.1129	0.1128	0.1084	0.0044	18	4
124952-1	P5872	250	0.1177	0.1177	0.1115	0.0062	25	4
125048-1	P5871	250	0.1254	0.1254	0.1124	0.013	52	4
Method Blank	P9393	500	0.1088	0.1088	0.1087	1E-04	ND	2
124952-1	P9392	250	0.1142	0.1142	0.1087	0.0055	22	4
Check Sample	P9391	50	0.1139	0.114	0.1091	0.0049	98	20

Duplicate Analysis

Sample ID	Sample	Duplicate	RPD
124952-1	25	22	12.8

Method Blank **(DI Water)**

Result	PQL
ND	2

TSS Oven (105 °C)

	Date	Time	Temp
In	11/14/04	12:10	105
Out	11/14/04	1:10	105
In	11/14/04	1:20	105
Out	11/14/04	2:20	105

QC Check Sample

Result	True V	%D
98	100	-2

Maintenance Log

Date:

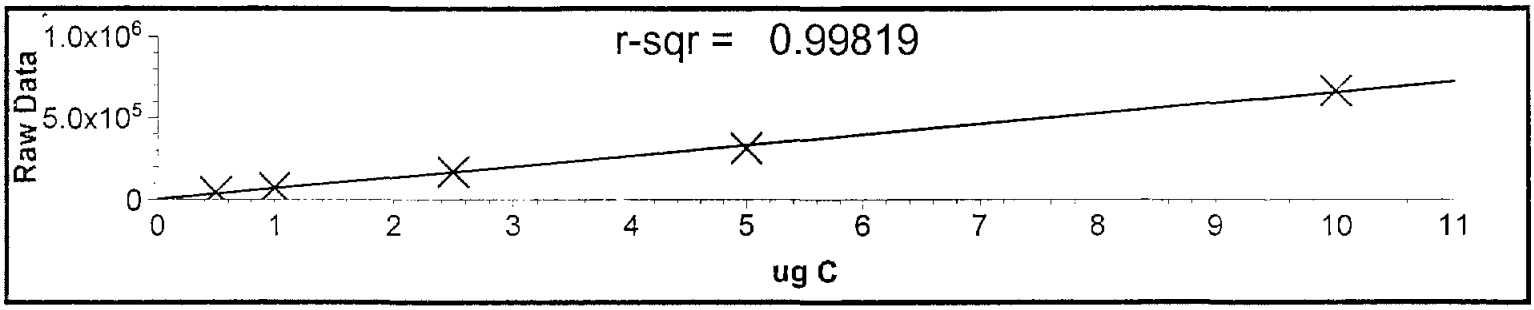
Analyst:

Comments:

01332

TOTAL ORGANIC CARBON DATA PACKAGE

01333



01334

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

TOC Worksheet - total

QC Level:Tier IV	**Due: 11/30/04**	**Work Order - 124945**
Matrix:Liquid		
URS Corporation	Proj. Manager: ~~Dawn Womer~~ Katie	

Special Instructions

Subbed TOC to Burlington
Encores put in SR freezer @10:30am 11/18 KP

"H" BTC

~~Sample number 124945-1~~	**%Solids**	Client Sample ID	041116SGA01GW
Sample Weight/Volume	**QA/QC Batch**	**Date Sampled**	**1/16/2004 10:30:00 AM**

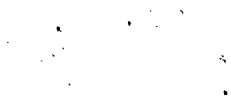
Analyte Name	Method	Result	PQL	Units
Total Organic Carbon (TOC)				

Analyst _____ Date 11/29/04

Reviewed by _____ Date 32878 12/2/04

Organics worksheet v4.0
If you have suggestions for changes please bring them to me - Dennis

01336



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

01337

STL Seattle

6a **Sample Information**

Client Name						
Work Order Number						
Sample Number					Related Blank: noblank	
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**					
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

01338

STL Seattle

6a **Sample Information**

Client Name	**URS Corporation**					
Work Order Number	**124945**					
Sample Number	**1**			Related Blank: TOC1239		
QC Batch ID	**TOC1239**					
Client Sample ID	**041116SGA01GW**					
Date Received	**11-18-04**					
Date Prepared	**11-24-04**					
Date Analyzed	**11-24-04**					
Sample matrix type	**liquid**					
QC sample type	**sample**					
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	1.6669			1.67		1

01339

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	683566	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	803916	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	8.249	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	8.286	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

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 124945

01344

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 7, 2004

Ms. Katie Downie
STL Seattle
5755 8th Street East
Tacoma, WA 98424

Re: Laboratory Project No. 24028
Case 24028; SDG: 124945

Dear Ms. Downie:

Enclosed are the analytical results of samples received by STL Burlington on November 22, 2004. This report is sequentially numbered starting with page 0001 and ending with page 0128. Laboratory ID numbers were designated as follows.

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 11/22/04 ETR No: 103963		
599476	O41116SGA02SS	11/16/04	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 Jeannine McCrumb at 802 655-1203.

Sincerely,

Michael F. Wheeler, Ph.D.
Laboratory Director

Enclosure

SEVERN TRENT STL

Sample Data Summary Package For Wet Chemistry

01346

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 Downie	Date: 11/19/04	Chain of Custody Number: 13941
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.: 124945			

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: TDL
D41116SGA02SS	11/16/04	1515				X	X						X

32900

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 12/7/04

QC Requirements (Specify)

1. Relinquished By	Date: 11/19/04	Time: 355p	1. Received By	Date: 11.22.04	Time: 1000
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

WET CHEMISTRY

Sample Report Summary

Client Sample No.
O41116SGA02SS

Lab Name: STL BURLINGTON | Contract: 124945 | SDG No.: 124945

Lab Code: STLVT | Case No.: 24028 | Lab Sample ID: 599476

Matrix: SOIL | Client: STLWAS | Date Received: 11/22/04

% Solids: 96.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	11/30/04	N/A	%	1.0		96.0	
IN847	TOC, PSEP (LK Modified)	11/24/04	BLKLK1124A	mg/Kg	1	521	15600	

Printed on: 12/07/04 09:38 AM

WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON | Contract: 124945 | SDG No.: 124945

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
BLKLK1124A	IN847	TOC, PSEP (LK Modified)	554	mg/Kg		1	500	11/24/04	BLKLK1124A

01349

Printed on: 12/07/04 09:38 AM

WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON | Contract: 124945 | SDG No.: 124945

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*
LCSLK1124A	IN847	TOC, PSEP (LK Modified)	11/24/04	BLKLK1124A	mg/Kg	8230	8500	97

** Control Limit for Percent Recovery is 85-115%, unless otherwise specified.*

01350

Printed on: 12/07/04 09:38 AM

STL Burlington
Colchester, Vermont

Extended Data Package

SDG: 124945

01351

SEVERN TRENT STL

NARRATIVE

01352

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 7, 2004

Ms. Katie Downie
STL Seattle
5755 8th Street East
Tacoma, WA 98424

Re: Laboratory Project No. 24028
Case 24028; SDG: 124945

Dear Ms. Downie:

Enclosed are the analytical results of samples received by STL Burlington on November 22, 2004. This report is sequentially numbered starting with page 0001 and ending with page 0128. Laboratory ID numbers were designated as follows.

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 11/22/04 ETR No: 103963		
599476	O41116SGA02SS	11/16/04	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 Jeannine McCrumb 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	Project Manager	Date	Chain of Custody Number
STL-Seattle	Katie Downie	11/19/04	13941
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
City / State / Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State): Bradford Island	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 124945			

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.	H_2SO_4	HNO_3	HCl	NaOH	$ZnAc/NaOH$	TDL	Special Instructions/ Conditions of Receipt
D41116SGA02SS	11/16/04	1515				X	X						X	

03093

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 12/7/04

QC Requirements (Specify)

		Date	Time
1. Relinquished By	[signature]	11/19/04	355p
2. Relinquished By			
3. Relinquished By			

		Date	Time
1. Received By	Angela Patmore	11.22.04	1000
2. Received By			
3. Received By			

Comments

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

SEVERN TRENT STL

Sample Report Summary
For Wet Chemistry

01355

WET CHEMISTRY

Sample Report Summary

Client Sample No.
O41116SGA02SS

Lab Name: STL BURLINGTON | Contract: 124945 | SDG No.: 124945

Lab Code: STLVT | Case No.: 24028 | Lab Sample ID: 599476

Matrix: SOIL | Client: STLWAS | Date Received: 11/22/04

% Solids: 96.0

Method	Parameter	Analytical Run Date	Analytical Batch	Units	DF	RL	Conc.	Qual.
IN623	Solids, Percent	11/30/04	N/A	%	1.0		96.0	
IN847	TOC, PSEP (LK Modified)	11/24/04	BLKLK1124A	mg/Kg	1	521	15600	

SEVERN TRENT STL

Quality Control Summary
For Wet Chemistry

0006
32920

01357

WET CHEMISTRY

Method Blank Report Summary

Lab Name: STL BURLINGTON | Contract: 124945 | SDG No.: 124945

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
BLKLK1124A	IN847	TOC, PSEP (LK Modified)	554	mg/Kg		1	500	11/24/04	BLKLK1124A

WET CHEMISTRY

Laboratory Control Sample Report Summary

Lab Name: STL BURLINGTON | Contract: 124945 | SDG No.: 124945

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*
LCSLK1124A	IN847	TOC, PSEP (LK Modified)	11/24/04	BLKLK1124A	mg/Kg	8230	8500	97

** Control Limit for Percent Recovery is 85-115%, unless otherwise specified.*

SEVERN TRENT STL

Supportive Documentation
For Wet Chemistry

32924 00009

01359

SEVERN TRENT STL

Wet Chemistry Raw Data

Solids, Percent

01560

STL Burlington --- PERCENT SOLID REPORT --- 1-DEC-2004 16:46:11 --- JM3

Method: IN623

Analyst: MNT

Date/Time in: 11/30/04 1500

Date/Time out: 12/01/04 0830

Batch: AH

Date Entered: 12-01-04
Entered by: MNT

Date Verified: 12-01-04
Verified by: JM3

Lab ID	Mass of Dish (g)	Mass of Dish and Wet Sample (g)	Mass of Dish and Dry Sample (g)	Percent Solid
599476	0.96	5.97	5.77	96.0080
599950	0.96	5.14	5.07	98.3254
599951	0.95	7.17	7.10	98.8746
599952	0.95	7.52	7.47	99.2390
599953	0.95	7.44	7.39	99.2296
599954	0.96	4.48	4.32	95.4546
599955	0.96	5.05	4.87	95.5990
599956	0.95	4.80	4.68	96.8831
599957	0.96	6.87	6.67	96.6159
599958	0.97	6.24	5.80	91.6509
599961	0.95	6.92	6.78	97.6549
599962	0.95	7.71	7.68	99.5562
599963	0.95	7.14	7.12	99.6769
599964	0.95	7.95	7.92	99.5714
599965	0.95	7.01	6.97	99.3399
599966	0.97	8.91	8.88	99.6222
599967	0.96	7.41	7.38	99.5349
599968	0.95	5.94	5.39	88.9780
599969	0.95	7.47	7.42	99.2331
599998DP	0.97	7.89	7.49	94.2197

Percent Solids Benchsheet

Date In: 11/30/04
Time In: 1500
Analyst: MNM

Date Out: 12/01/04
Time Out: 0830
Analyst: MNM

LAB ID plus EPA ID	Dish #	Mass of Dish (g)	Mass of Dish & Wet Sample (g)	Mass of Dish & Dry Sample (g)
599476	1	0.96	5.97	5.77
599950	2	0.96	5.14	5.07
599951	3	0.95	7.17	7.10
599952	4	0.95	7.52	7.47
599953	5	0.95	7.44	7.39
599954	6	0.96	4.48	4.32
599955	7	0.96	5.05	4.87
599956	8	0.95	4.80	4.68
599957	9	0.96	6.87	6.67
599958	10	0.97	6.24	5.80
599961	11	0.95	6.92	6.78
599962	12	0.95	7.71	7.68
599963	13	0.95	7.14	7.12
599964	14	0.95	7.95	7.92
599965	15	0.95	7.01	6.97
599966	16	0.97	8.91	8.88
599967	17	0.96	7.41	7.38
599968	18	0.95	5.94	5.39
599969	19	0.95	7.47	7.42
599998 DUP	20	0.97	7.89	7.49

%W/W = grams dry X 100
grams wet

Entered by: MNM
Date: 12/01/04
Batch: DH

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: AUB
Prep Date: 11-24-04 Prep Time: 11:30
Analysis Date: 11-24-04 Analysis Time: 17:40
Date of Calibration Curve: 11-23-04 0.090, 0.483, .941 1.773, 2.650
Instrument ID: NA1500
Instrument File Name: N-C1124

LCS Tag ID: LECO 10051
Matrix Spike Tag ID: 590706
Sulfanilamide Tag ID: WC-02-005-16
Acetanilide Tag ID: WC-02-056-02
Phosphoric Acid Solution Tag ID: T011190401
HCl Lot #: N/A

#	Sample ID	Weight (mg)
	Acetanilide	0.600
	Acetanilide	0.621
	Blank	30
	Blank	30
	PBS1	5
	PBS 2	5
	PBS 3	5
	LCS 1	9.087
	LCS 2	7.601
	LCS 3	7.496
	LCS 4	8.463
	599476	~~5.919~~ 4.588
	599476	4.627
	599476	6.302
	Acetanilide	0.483
	Acetanilide	0.391
	Blank	30
	Blank	30
	599663	4.968
	599663	5.678
	599663	5.916
2	599664	8.874
	599664	6.369
	599664	4.219
	599665	7.018
	599665	6.164
	599665	7.428
	599666	4.636
	Acetanilide	0.708
	Acetanilide	0.542

#	Sample ID	Weight (mg)
	Blank	30
	Blank	30
	599666	6.840
	599666	6.303
	599667	6.800
	599667	5.091
	599667	4.828
	599668	8.174
	599668	9.179
	599668	4.469
3	599669	5.304
	599669	7.979
	Acetanilide	0.708
	Acetanilide	0.497
	Blank	30
	Blank	30
	599669	7.586
	599669 MS	4.953+.228
	599669 MS	7.745+0.232
	599669 MS	8.330+.570
	599669 DP	9.501
	599669 DP	8.046
	599669 DP	9.563
	599670	3.906
	599670	5.310
	599670	4.014
	Acetanilide	0.470
	Acetanilide	0.609
	Blank	30
	Blank	30

Total Organic Carbon by Lloyd Kahn, Method IN847

Analyst: AMB
Prep Date: 11-24-04 Prep Time: 1130
Analysis Date: _____ Analysis Time: 17:40
Date of Calibration Curve: Same as pg 1
Instrument ID: NA1500
Instrument File Name: AMB 1126.04

LCS Tag ID: Same as pg 1
Matrix Spike Tag ID: _____
Sulfanilamide Tag ID: AMD 1126-04
Acetanilide Tag ID: _____
Phosphoric Acid Solution Tag ID: _____
HCl Lot #: _____

#	Sample ID	Weight (mg)
	~~Acetanilide~~	
	Acetanilide	
	Blank	30
AMB 11-24-04	~~Blank~~	~~30~~
	599671	5.793 ✓
	599 671	4.892 ✓
	599 671	4.176 ✓
4	599672	5.173 ✓
	599672	4.859 ✓
	599 672	5.949 ✓
	599673	8.337 ✓
	599 673	6.134 ✓
	599 673	5.728 ✓
	599 674	4.363 ✓
	Acetanilide	0.667 ✓
	Acetanilide	0.562 ✓
	Blank	30
	Blank	30
	599674	5.102 ✓
	599674	5.123 ✓
	599675	8.488 ✓
	599675	10.151 ✓
	599 675	8.641 ✓
AMB 11-26-04		
	Acetanilide	0.698 ✓
	Acetanilide	0.654 ✓

#	Sample ID	Weight (mg)
	Blank	30
	Blank	30
	AMB 1126-04	
	Acetanilide	
	Acetanilide	
	Blank	30
	Blank	30
	Acetanilide	
	Acetanilide	
	Blank	30
	~~Blank~~	30

Eager 200 Summarize Results

Method Name : IN847
Method Filename : N-C1124.MTH
Company name : SEVERN TRENT LAB
Operator ID : ANALYST

01363

Group No : 1 Sample Name	Element % Nitrogen	Carbon	Hydrogen	Sulphur
ACETANILIDE	0	71.70857239	0 ~~1001.~~ 1019.	0
ACETANILIDE	0	71.5524292	0	0
BLANK	0	0.0329329595	0 L500	0
BLANK	0	0.0543705523	0	0
PBS1	0	0.1201033294	0	0
PBS2	0	0.08141871542	0	0
PBS3	0	0.0970627591	0	0
LCS1	0	0.816968739	0	0
LCS2	0	0.7100566626	0	0
LCS3	0	0.8779453039	0	0
LCS4	0	0.887332201	0	0
599476	0	1.650843382	0	0
599476	0	1.359028816	0	0
599476	0	1.473824501	0	0
ACETANILIDE	0	74.30126953	0 ~~104~~ 105%	0
ACETANILIDE	0	75.20951843	0	0
BLANK	0	0.03059995733	0 L500	0
BLANK	0	0.06147675961	0	0
599663	0	0.8492370248	0	0
599663	0	0.8126580119	0	0
599663	0	0.7890683413	0	0
599664	0	1.203803182	0	0
599664	0	1.168743014	0	0
599664	0	1.334443808	0	0
599665	0	1.125871539	0	0
599665	0	1.214188218	0	0
599665	0	1.246732354	0	0
599666	0	1.142252445	0.544128418	0
ACETANILIDE	0	72.8217392	0 10 Z y	0
ACETANILIDE	0	73.77074432	0	0
BLANK	0	0.03011719882	0 L500	0
BLANK	0	0.039798785	0	0
599666	0	1.092083812	-1.896693468	0
599666	0	0.9738503098	0	0
599667	0	1.325447798	0	0
599667	0	1.321652412	0	0
599667	0	1.347979188	0	0
599668	0	2.405900717	0	0
599668	0	1.347258687	0	0
599668	0	1.395659924	0	0
599669	0	1.399325728	0	0
599669	0	1.563578725	0	0
ACETANILIDE	0	73.61955261	0 ~~103~~ 104%	0
ACETANILIDE	0	60.45979309	0	0
BLANK	0	0.01814123243	0 L500	0
BLANK	0	0.02326801978	0	0

599669	0	1.478293657	0	0
599669MS	0	5.476593971	0	0
599669MS	0	4.022067547	0	0
599669MS	0	7.057997227	0	0
599669DP	0	1.41135633	0	0
599669DP	0	1.389378428	0	0
599669DP	0	1.413495302	0	0
599670	0	1.303126693	0	0
599670	0	1.405922532	0	0
599670	0	1.51695323	0 OMB 12/07/04	0
ACETANILIDE	0	75.08946228	0 ~~105%~~. 106%	0
ACETANILIDE	0	72.7052536	0	0
BLANK	0	0.02060518786	0 <500	0
BLANK	0	0.01741676219	0	0
599671	0	1.188380837	0	0
599671	0	1.270709634	0	0
599671	0	1.546557426	0	0
599672	0	1.471787333	0	0
599672	0	0.9395644665	0	0
599672	0	0.8011472821	0	0
599673	0	0.7184337378	0	0
599673	0	1.484809875	0	0
599673	0	0.7819459438	0	0
599674	0	1.054438591	0	0
ACETANILIDE	0	74.84355164	0 105%	0
ACETANILIDE	0	72.72999573	0	0
BLANK	0	0.0186370872	0 <500	0
BLANK	0	0.021006044	0	0
599674	0	1.01562202	0	0
599674	0	0.8740311265	0	0
599675	0	0.460803777	0	0
599675	0	1.039661407	0	0
599675	0	0.7399538159	0	0
ACETANILIDE	0	73.20304108	0 103%	0
ACETANILIDE	0	73.36530304	0 <500	0
BLANK	0	0.01284709014	0	0
BLANK	0	0.01628566347	0	0

83 Sample(s) in Group No : 1

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	13.14187	26.971480	205.233200	727.460800
Hydrogen	-1.629596E-02	0.217286	-1333.373000	0.047213
Sulphur	0	0.000000	0.000000	0.000000

Eager 200 Summarize Results

Method Name : IN847
Method Filename : N-C1124.MTH
Company name : SEVERN TRENT LAB
Operator ID : ANALYST

Group No : 1 Sample Name	Element % Nitrogen	Carbon	Hydrogen	Sulphur
PBS1	0	0.1201033294	0	0
PBS2	0	0.08141871542	0	0
PBS3	0	0.0970627591	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	9.952827E-02	0.019460	19.552030	0.000379
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	0.816968739	0	0
LCS2	0	0.7100566626	0	0
LCS3	0	0.8779453039	0	0
LCS4	0	0.887332201	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	.8230757	0.081548	9.907701	0.006650
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

$0.8230757 \times 10{,}000 = 8230.757 / 8500 = 97\%$

Eager 200 Summarize Results

Method Name : IN847
Method Filename : N-C1124.MTH
Company name : SEVERN TRENT LAB
Operator ID : ANALYST

Group No : 1 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599476	0	1.650843382	0	0
599476	0	1.359028816	0	0
599476	0	1.473824501	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	1.494566	0.147009	9.836221	0.021612
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
599663	0	0.8492370248	0	0
599663	0	0.8126580119	0	0
599663	0	0.7890683413	0	0

3 Sample(s) in Group No : 2

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.8169878	0.030317	3.710841	0.000919
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 3 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599664	0	1.203803182	0	0
599664	0	1.168743014	0	0
599664	0	1.334443808	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	1.235663	0.087324	7.066978	0.007625
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 4 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599665	0	1.125871539	0	0
599665	0	1.214188218	0	0
599665	0	1.246732354	0	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	1.195597	0.062538	5.230722	0.003911
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 5 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599666	0	1.142252445	0.544128418	0
599666	0	1.092083812	-1.896693468	0
599666	0	0.9738503098	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	1.069396	0.086463	8.085242	0.007476
Hydrogen	-.450855	1.281349	-284.204300	1.641856
Sulphur	0	0.000000	0.000000	0.000000

Group No : 6 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599667	0	1.325447798	0	0
599667	0	1.321652412	0	0
599667	0	1.347979188	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	1.331693	0.014231	1.068657	0.000203
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 7 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599668	0	2.405900717	0	0
599668	0	1.347258687	0	0
599668	0	1.395659924	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	1.716273	0.597725	34.826920	0.357275
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 8 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599669	0	1.399325728	0	0
599669	0	1.563578725	0	0
599669	0	1.478293657	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	1.480399	0.082147	5.548958	0.006748
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
599669MS	0	5.476593971	0	0
599669MS	0	4.022067547	0	0
599669MS	0	7.057997227	0	0

3 Sample(s) in Group No : 9

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	5.518886	1.518407	27.512920	2.305559
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 10 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599669DP	0	1.41135633	0	0
599669DP	0	1.389378428	0	0
599669DP	0	1.413495302	0	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	1.404743	0.013349	0.950303	0.000178
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 11 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599670	0	1.303126693	0	0
599670	0	1.405922532	0	0
599670	0	1.51695323	0	0

3 Sample(s) in Group No : 11

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	1.408667	0.106940	7.591550	0.011436
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 12 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599671	0	1.188380837	0	0
599671	0	1.270709634	0	0
599671	0	1.546557426	0	0

3 Sample(s) in Group No : 12

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	1.335216	0.187599	14.050090	0.035193
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 13 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599672	0	1.471787333	0	0
599672	0	0.9395644665	0	0
599672	0	0.8011472821	0	0

3 Sample(s) in Group No : 13

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	1.070833	0.354067	33.064590	0.125363
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 14 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599673	0	0.7184337378	0	0
599673	0	1.484809875	0	0
599673	0	0.7819459438	0	0

3 Sample(s) in Group No : 14

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.9950632	0.425320	42.743040	0.180897
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 15 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599674	0	1.054438591	0	0
599674	0	1.01562202	0	0
599674	0	0.8740311265	0	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	.9813639	0.094958	9.676074	0.009017
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

Group No : 16 Element %

Sample Name	Nitrogen	Carbon	Hydrogen	Sulphur
599675	0	0.460803777	0	0
599675	0	1.039661407	0	0
599675	0	0.7399538159	0	0

3 Sample(s) in Group No : 16

Component Name	Average	Std. Dev.	% Rel. S. D.	Variance
Nitrogen	0	0.000000	0.000000	0.000000
Carbon	.7468063	0.289490	38.763680	0.083804
Hydrogen	0	0.000000	0.000000	0.000000
Sulphur	0	0.000000	0.000000	0.000000

TOC by Lloyd Kahn

Low Level Concentration Converter

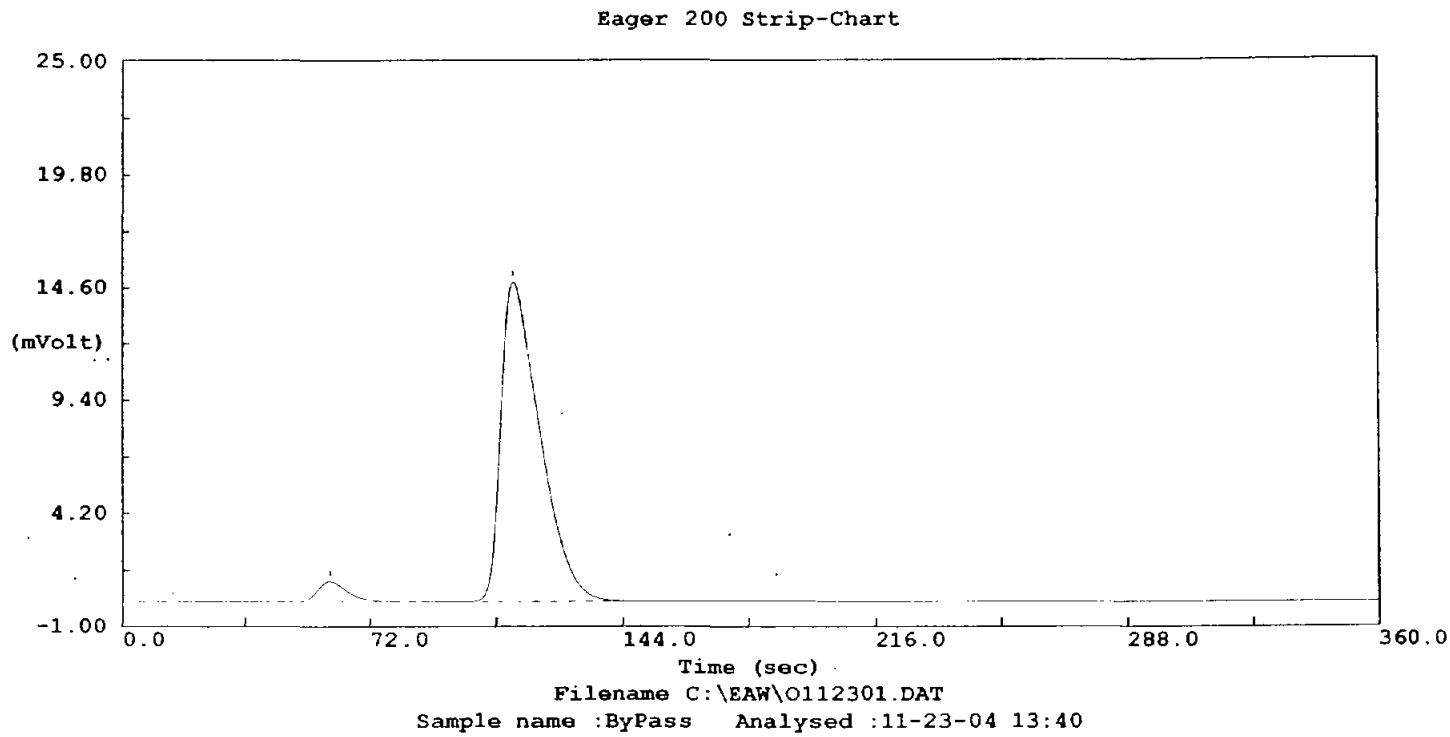
Calibration Date = 11/23/04

Cal Std	Area	Sample Wgt.	% Carbon	Carbon Wgt.
Low Std	290898	0.09	41.84	0.037656

Slope of one point calibration = 7725143.403

Analysis Date(s): 11/24/04
Reporting Limit: 500 mg/Kg

Sample ID	Area	Sample Wgt.	TOC mg/Kg	AVERAGE
BLANK	58219	30	251.2100076	
BLANK	106511	30	459.585859	
PBS	29124	5	754.0054205	
PBS	14600	5	377.9865107	
PBS	20474	5	530.0613576	554.0177629
BLANK	52964	30	228.5351319	
BLANK	122519	30	528.6590104	
BLANK	51876	30	223.8405049	
BLANK	73686	30	317.9487903	
BLANK	24898	30	107.4327414	
BLANK	36447	30	157.265689	
BLANK	30449	30	131.3848318	
BLANK	23266	30	100.3908009	
BLANK	26015	30	112.2525009	
BLANK	31352	30	135.2811996	
BLANK			#DIV/0!	#DIV/0!
599675	277729	8.488	4235.54509	
599675	776494	10.151	9901.995541	
599675	464148	8.641	6953.21932	7030.253317
BLANK	12972	30	55.97307097	
BLANK	20718	30	89.39639874	
			#DIV/0!	#DIV/0!
			#DIV/0!	
0			#DIV/0!	
0			#DIV/0!	#DIV/0!



Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1123.MTH
Analysed : 11-23-04 13:40
Printed : 11/23/2004 13:46

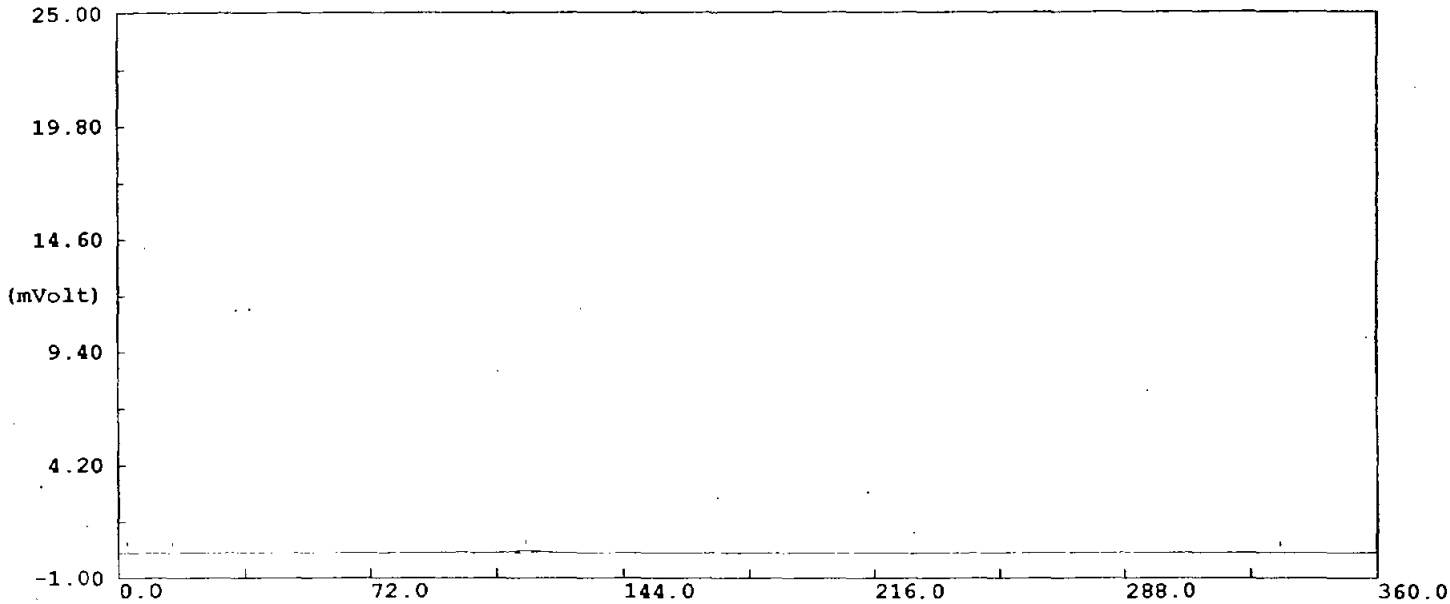
Sample ID : ByPass (# 1)
Channel : Channel B
Analysis Type : By-Pass (Area)
Sample weight :---
Chromatogram : C:\EAW\O112301.DAT

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	1856317	RS	1.000000

Eager 200 Strip-Chart



Filename C:\EAW\O112302.DAT
Sample name :BLANK Analysed :11-23-04 13:46

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 11-23-04 13:46

Company Name : SEVERN TRENT LAB
Method File : N-C1123.MTH
Printed : 11/23/2004 13:52

Sample ID : BLANK (# 2)
Analysis Type : Blank (Area)
Chromatogram : C:\EAW\O112302.DAT

Channel : Channel B
Sample weight :---

Calib. method : using 'Least Squares to Linear fit'

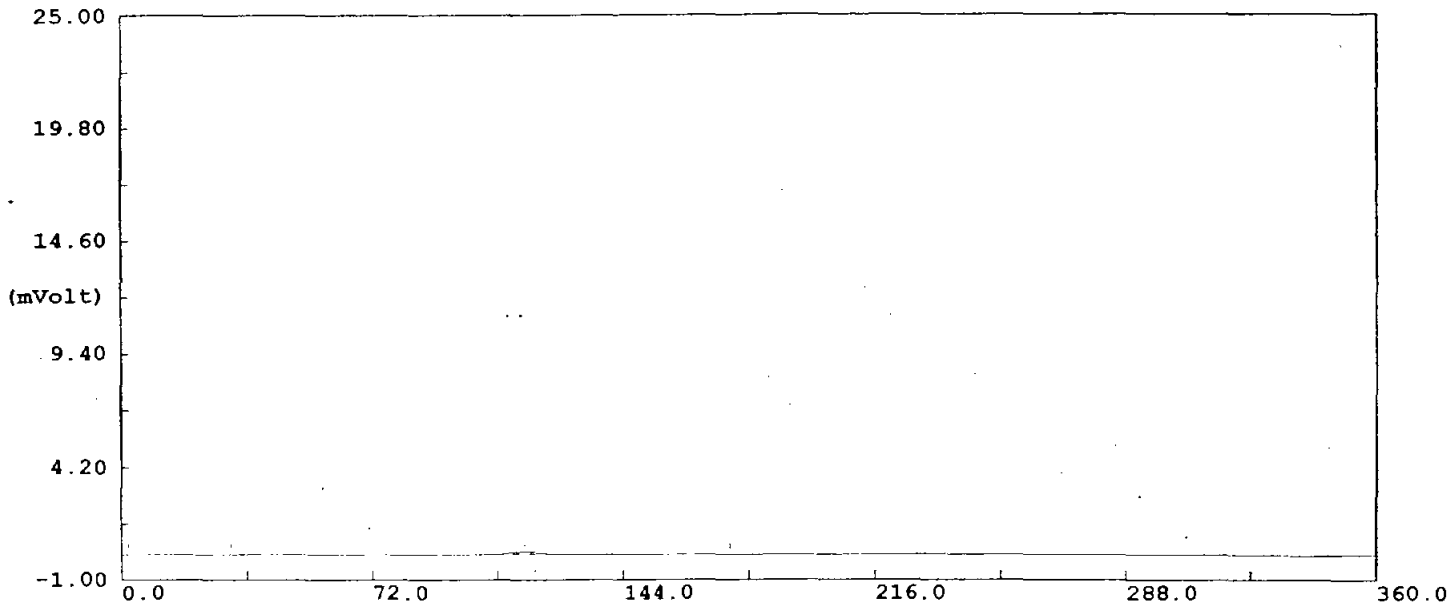
!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	117	11243	RS	1.000000

Element Name	Ret.Time	Blank avg.	Level
Nitrogen	44	0.0	0
Carbon	120	11242.5	1

Hydrogen	186	0.0	0
Sulphur	418	0.0	0

Eager 200 Strip-Chart



Filename C:\EAW\O112303.DAT
Sample name :BLANK Analysed :11-23-04 13:52

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 11-23-04 13:52

Company Name : SEVERN TRENT LAB
Method File : N-C1123.MTH
Printed : 11/23/2004 13:58

Sample ID : BLANK (# 3)
Analysis Type : Blank (Area)
Chromatogram : C:\EAW\O112303.DAT

Channel : Channel B
Sample weight :---

Calib. method : using 'Least Squares to Linear fit'

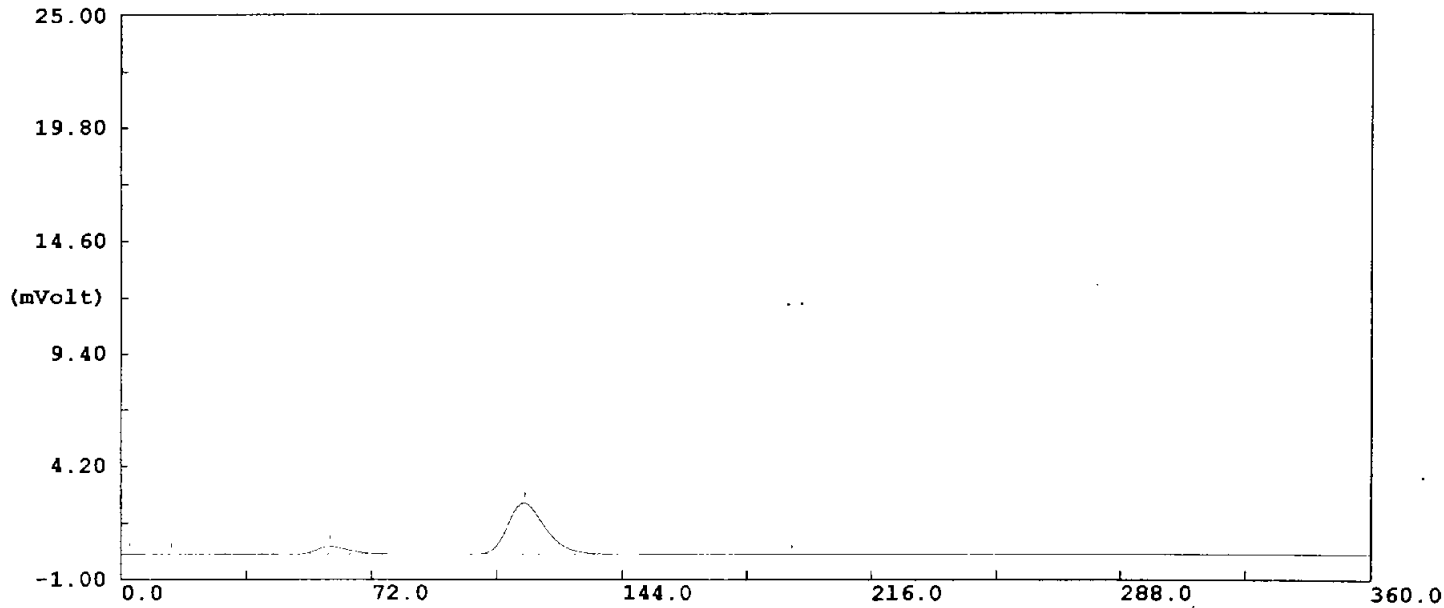
!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio
Carbon	0.0000	116	12307	RS	1.000000
Hydrogen	0.0000	175	1	RS	12306.500000

Element Name	Ret.Time	Blank avg.	Level
Nitrogen	44	0.0	0

Carbon	120	11774.5	2
Hydrogen	186	1.0	1
Sulphur	418	0.0	0

Eager 200 Strip-Chart



Filename C:\EAW\O112304.DAT
Sample name :SULPHANILAMIDE Analysed :11-23-04 13:58

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 11-23-04 13:58	Printed	: 11/24/2004 17:04

Sample ID	: SULPHANILAMIDE (# 4)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: .09
Chromatogram	: C:\EAW\O112304.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	290898	RS	1.000000	
Hydrogen	4.6800	193	2	RS	145449.000000	

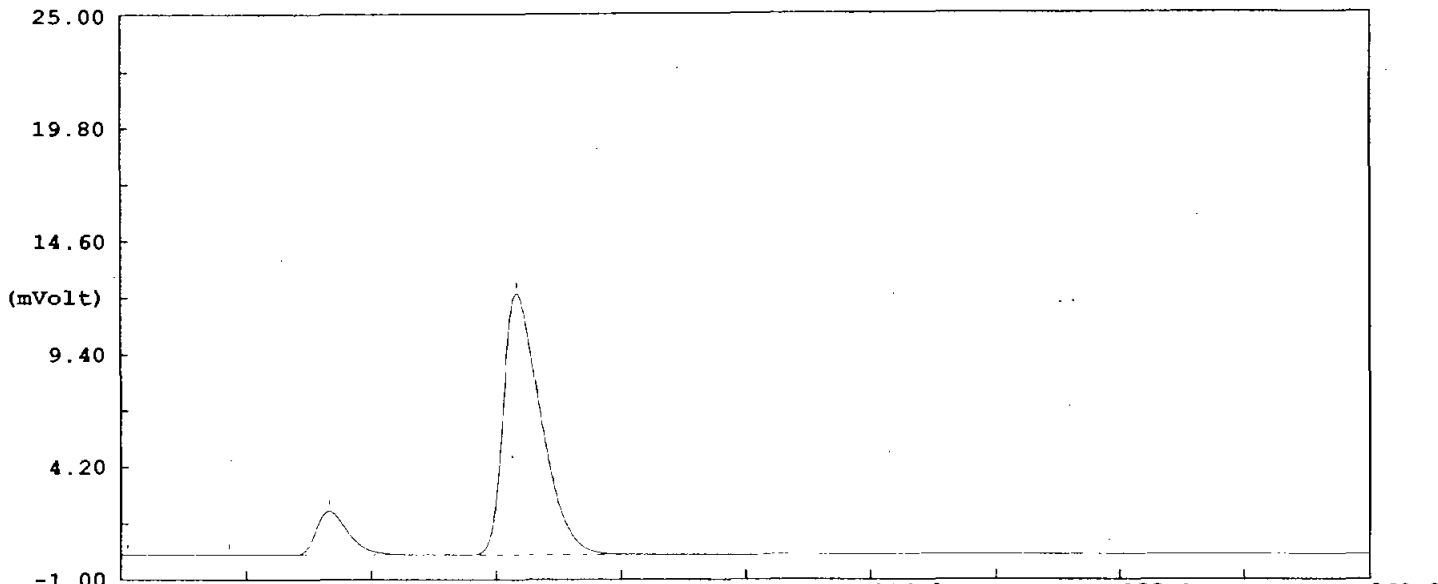
Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

01371

Nitrogen	44	....	....	0
Carbon	120	....	....	1
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\O112305.DAT
Sample name :SULPHANILAMIDE Analysed :11-23-04 14:04

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 11-23-04 14:04	Printed	: 11/24/2004 17:04

Sample ID	: SULPHANILAMIDE (# 5)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: .483
Chromatogram	: C:\EAW\O112305.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	114	1522937	RS	1.000000	

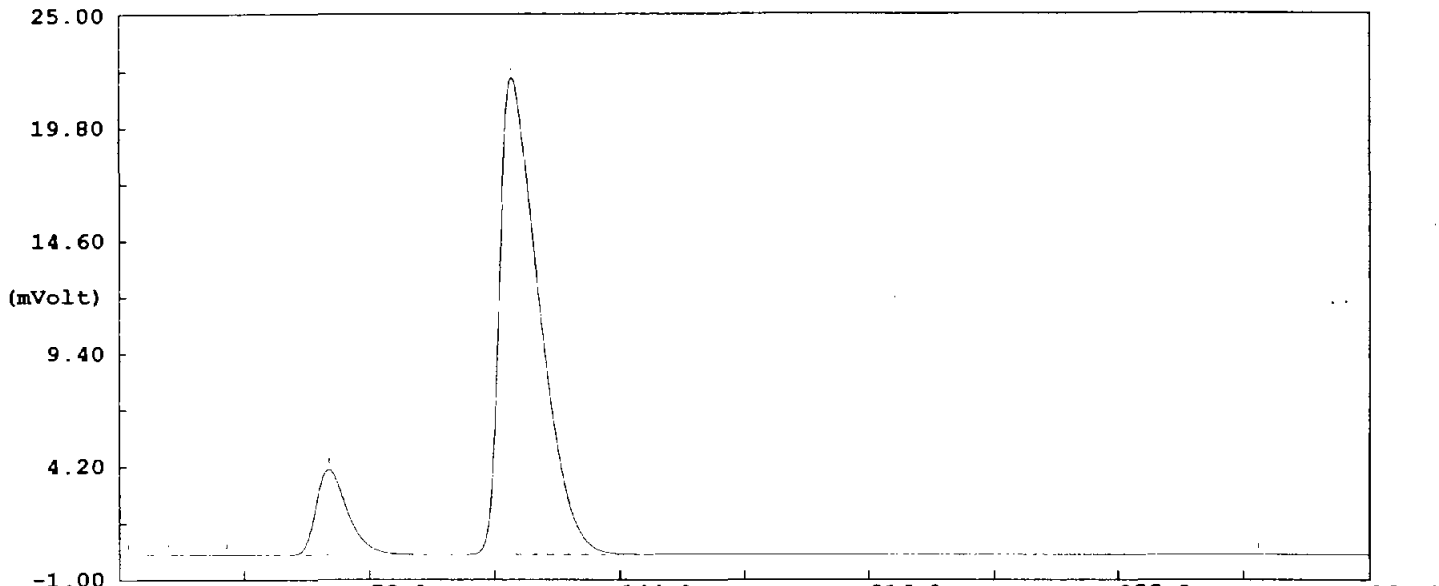
Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

01372

Nitrogen	44	....	....	0
Carbon	120	7.492732E+06	8.751716E+03	2
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\O112306.DAT
Sample name :SULPHANILAMIDE Analysed :11-23-04 14:10

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 11-23-04 14:10	Printed	: 11/24/2004 17:04

Sample ID	: SULPHANILAMIDE (# 6)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: .941
Chromatogram	: C:\EAW\O112306.DAT		

Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

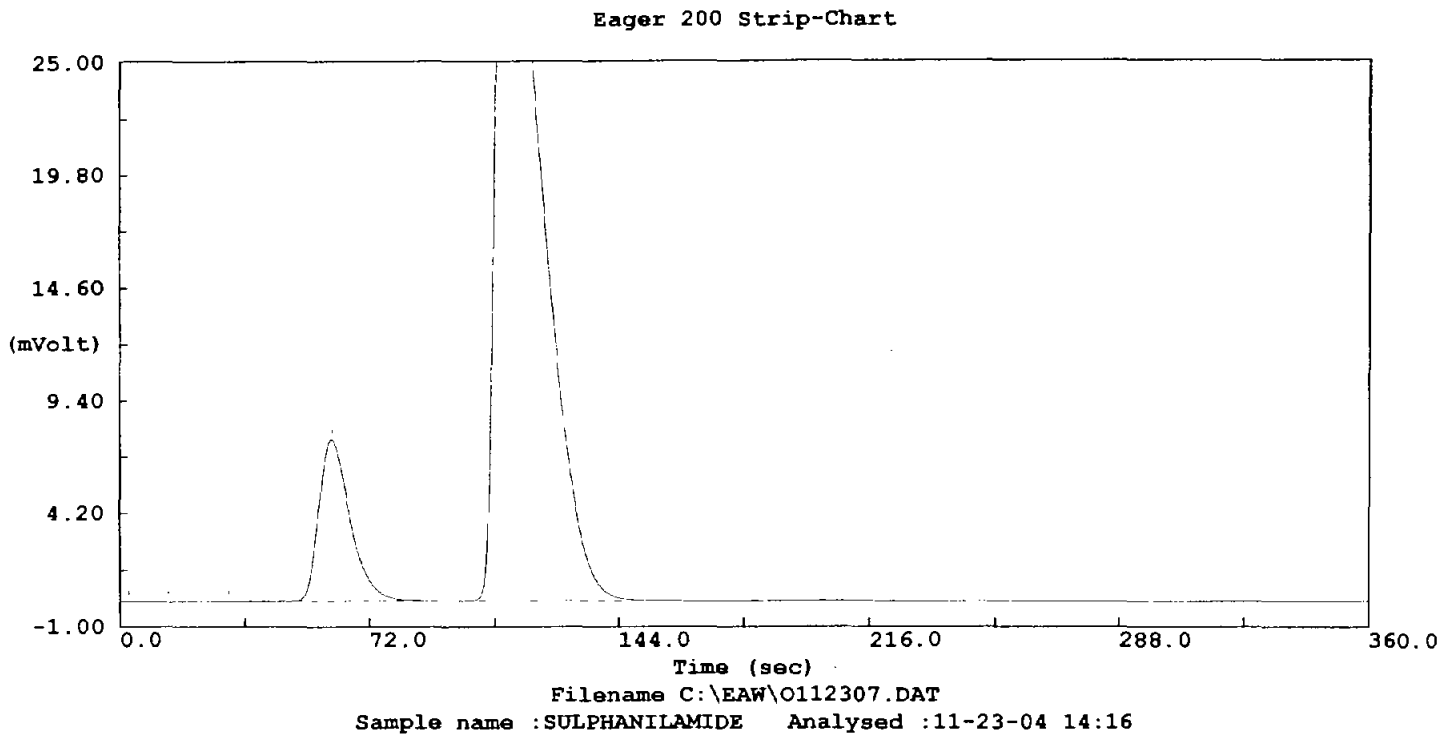
Element Name	STD Elem.%	Ret.Time	Area	BC	Area ratio	K factor
Carbon	41.8400	113	2885227	FU	1.000000	

Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

01373

Nitrogen	44	....	....	0
Carbon	120	7.281400E+06	2.886805E+04	3
Hydrogen	186	....	....	1
Sulphur	418	....	....	0



Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: TEMPLATB.MTH
Analysed	: 11-23-04 14:16	Printed	: 11/24/2004 17:04

Sample ID	: SULPHANILAMIDE (# 7)	Channel	: Channel B
Analysis Type	: Calibration (Area)	Sample weight	: 1.773
Chromatogram	: C:\EAW\O112307.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	111	5538479	RS	1.000000	

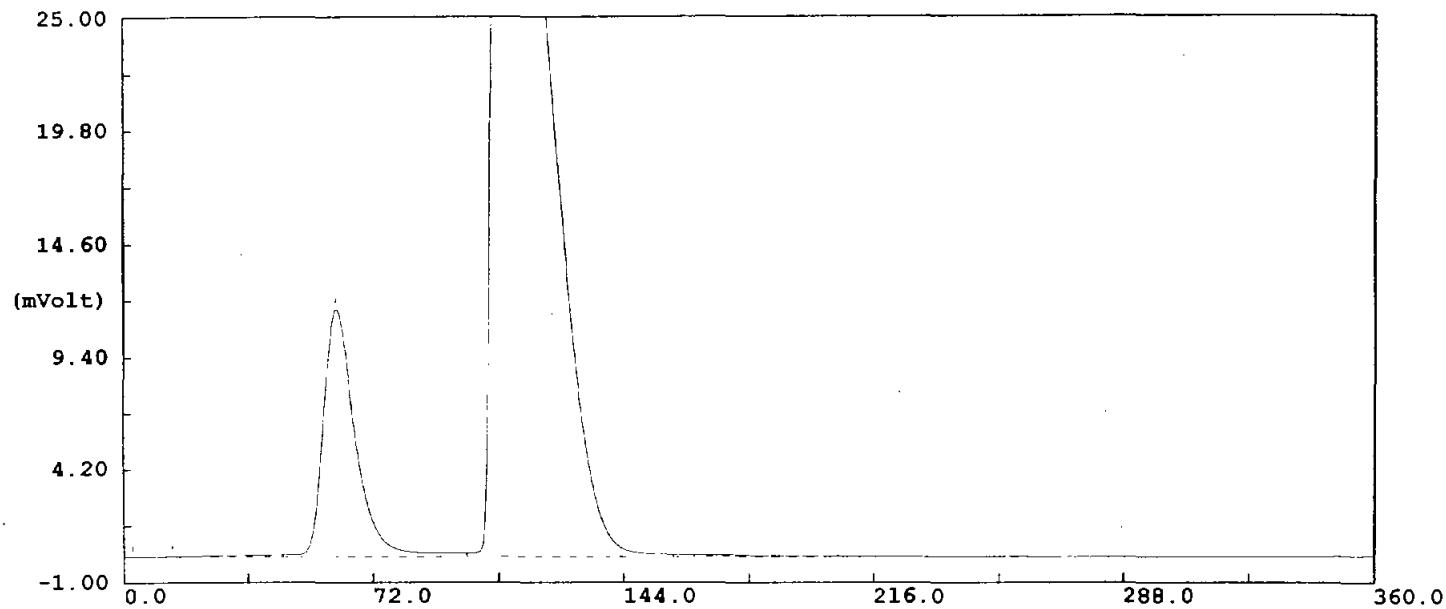
Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

01374

Nitrogen	44	....	....	0
Carbon	120	7.438011E+06	2.046714E+03	4
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\O112308.DAT
Sample name :SULPHANILAMIDE Analysed :11-23-04 14:22

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST Company Name : SEVERN TRENT LAB
Method Name : IN847 Method File : TEMPLATB.MTH
Analysed : 11-23-04 14:22 Printed : 11/24/2004 17:04

Sample ID : SULPHANILAMIDE (# 8) Channel : Channel B
Analysis Type : Calibration (Area) Sample weight : 2.65
Chromatogram : C:\EAW\O112308.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	8335100	FU	1.000000	

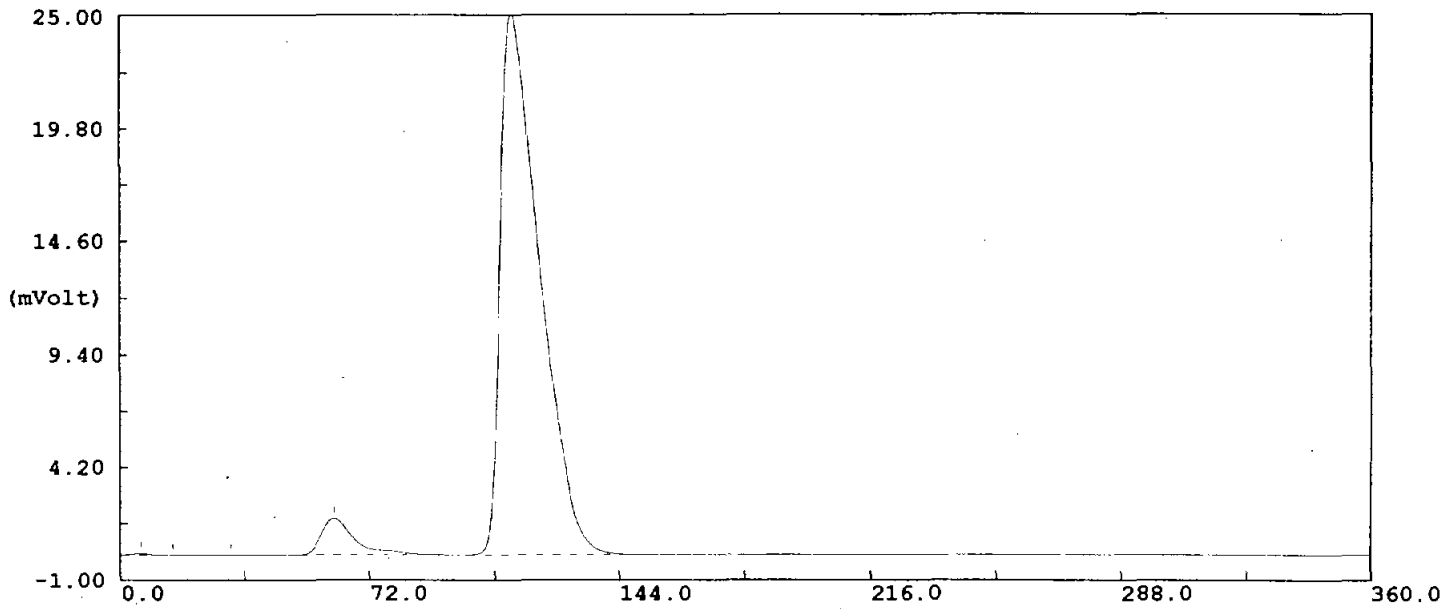
Coefficents of least squares fit to linear equation

Element Name	Ret.Time	X Term	Intercept	Level

01375

Nitrogen	44	....	....	0
Carbon	120	7.508928E+06	-1.596836E+04	5
Hydrogen	186	....	....	1
Sulphur	418	....	....	0

Eager 200 Strip-Chart



Filename C:\EAW\N112409.DAT
Sample name :ACETANILIDE Analysed :11-24-04 17:34

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 17:34
Printed : 11/24/2004 17:40

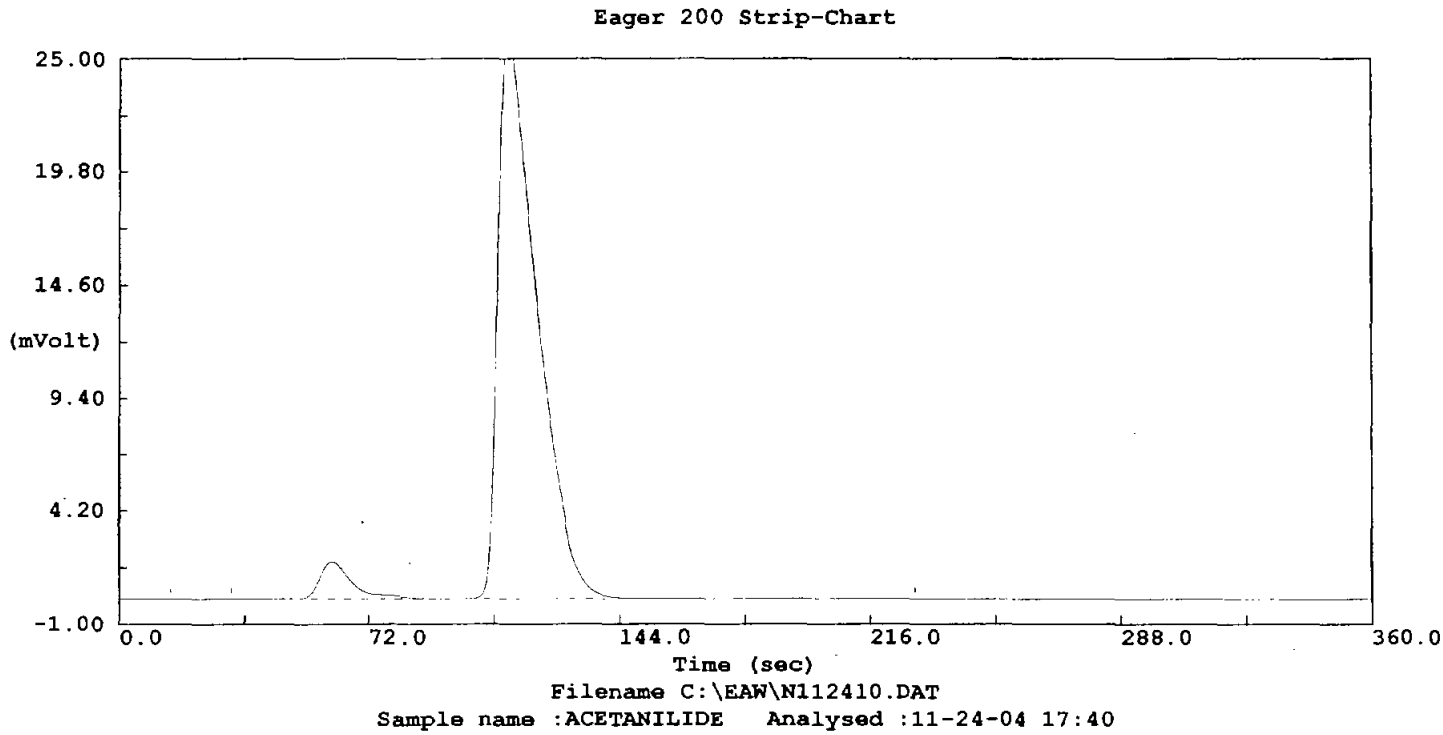
Sample ID : ACETANILIDE (# 9)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : .6
Chromatogram : C:\EAW\N112409.DAT

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	71.7086	113	3214759	FU	1.000000	

01376



Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 17:40
Printed : 11/24/2004 17:46

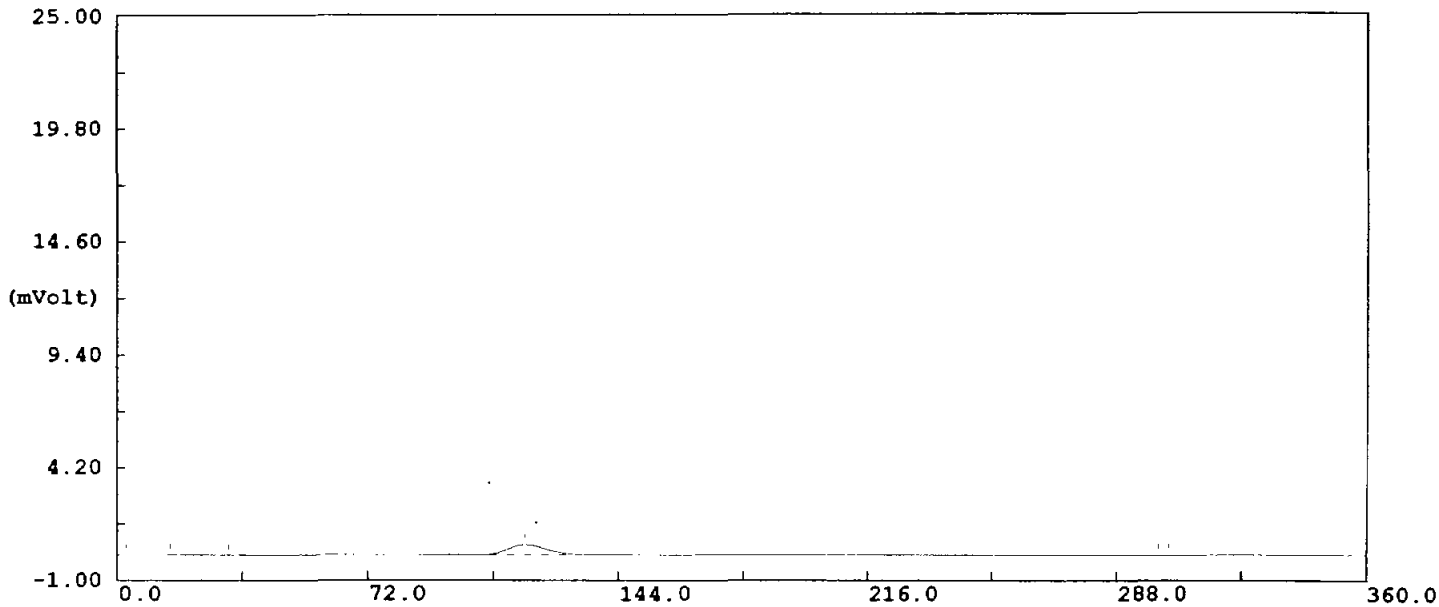
Sample ID : ACETANILIDE (# 10)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : .621
Chromatogram : C:\EAW\N112410.DAT

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	71.5524	113	3320553	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112411.DAT
Sample name :BLANK Analysed :11-24-04 17:46

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 11-24-04 17:46

Company Name : SEVERN TRENT LAB
Method File : N-C1124.MTH
Printed : 11/24/2004 17:52

Sample ID : BLANK (# 11)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N112411.DAT

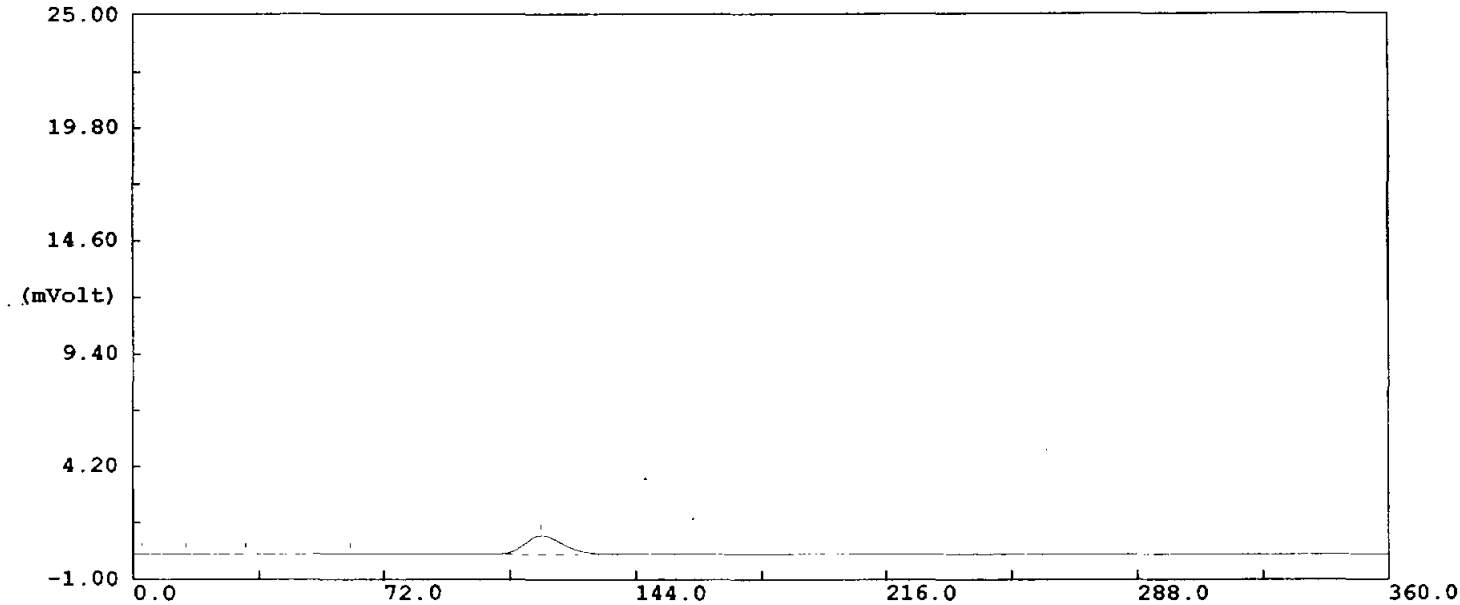
Channel : Channel B
Sample weight : 30

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	0.0329	117	58219	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112412.DAT
Sample name :BLANK Analysed :11-24-04 17:52

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 17:52
Printed : 11/24/2004 17:58

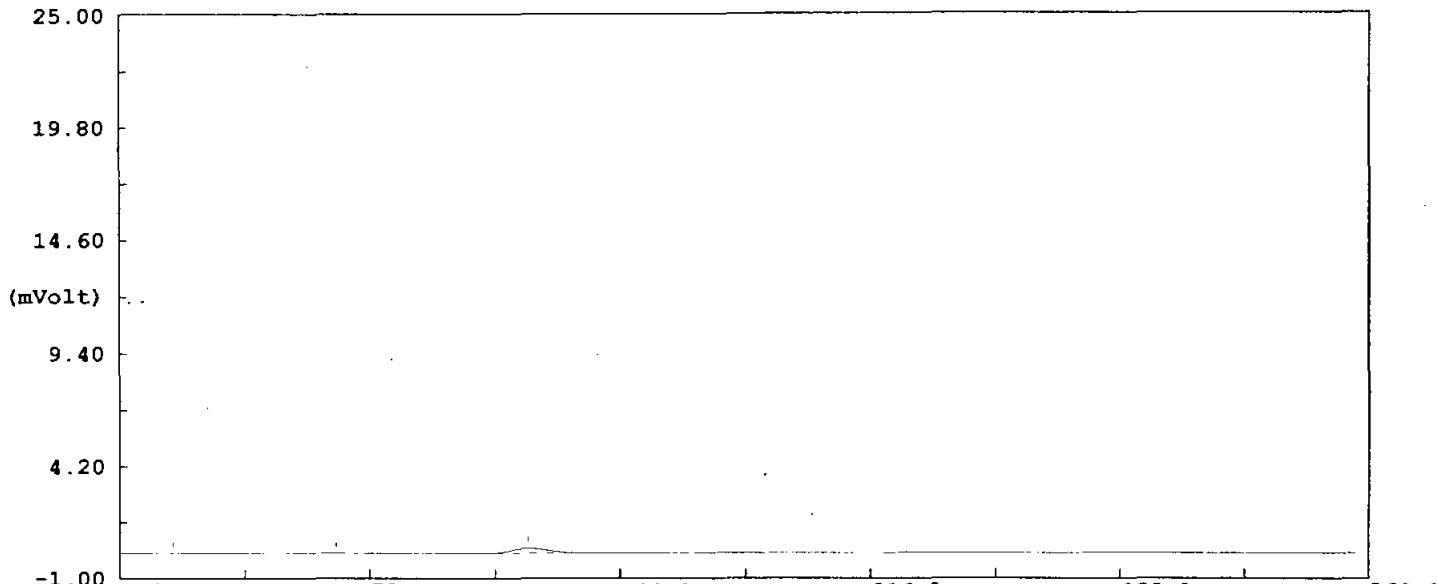
Sample ID : BLANK (# 12)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 30
Chromatogram : C:\EAW\N112412.DAT

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	0.0544	117	106511	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112413.DAT
Sample name :PBS1 Analysed :11-24-04 17:58

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 17:58	Printed	: 11/24/2004 18:04
Sample ID	: PBS1 (# 13)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5
Chromatogram	: C:\EAW\N112413.DAT		

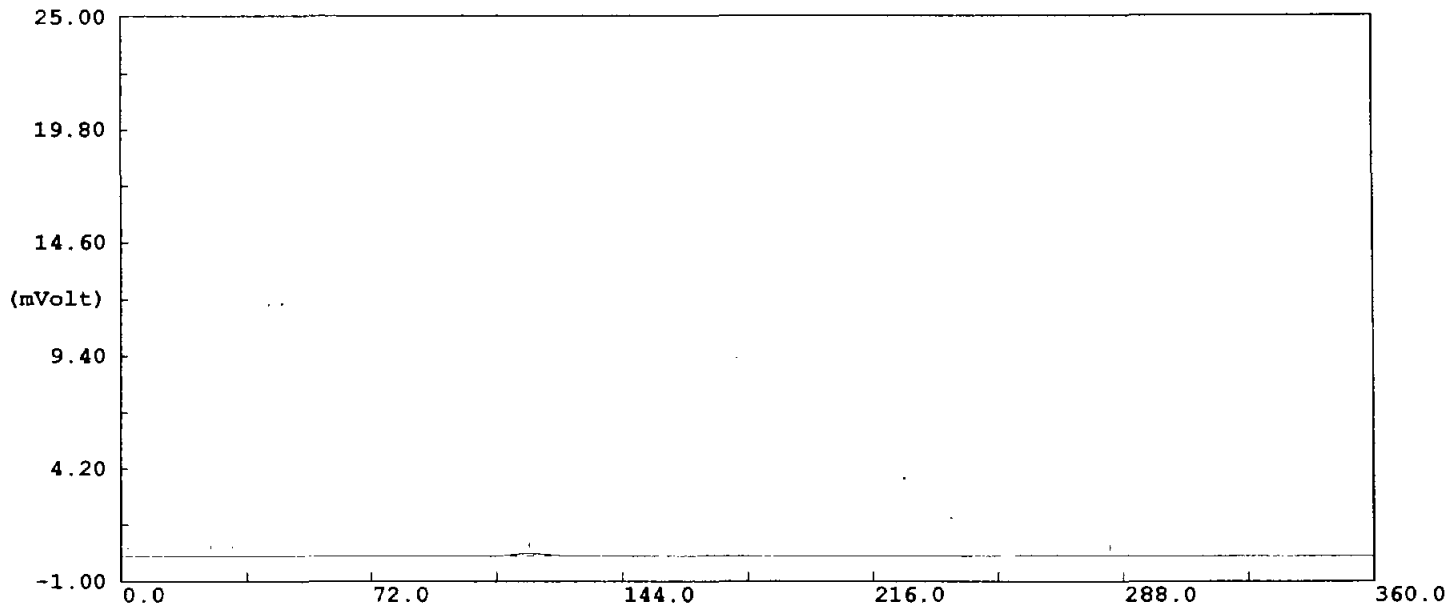
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.1201	118	29124	RS	1.000000	

01378

Eager 200 Strip-Chart



Filename C:\EAW\N112414.DAT
Sample name :PBS2 Analysed :11-24-04 18:04

Eager 200 Report

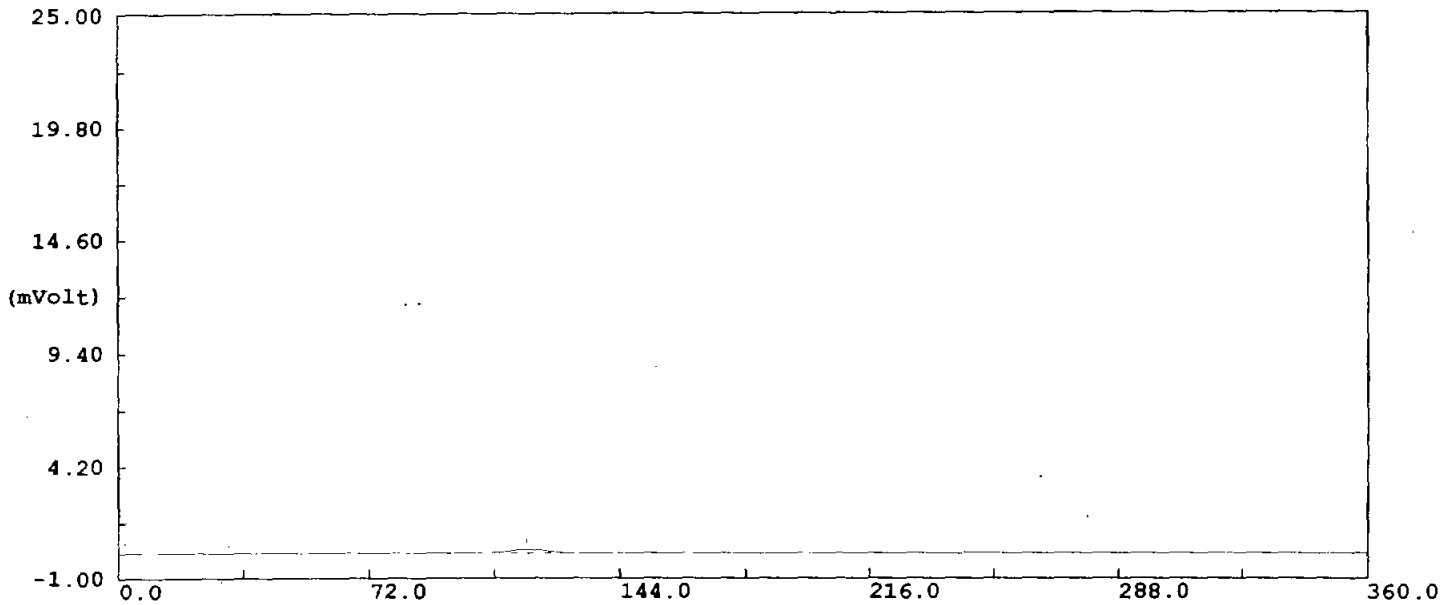
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 18:04	Printed	: 11/24/2004 18:10
Sample ID	: PBS2 (# 14)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5
Chromatogram	: C:\EAW\N112414.DAT		

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	0.0814	118	14600	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112415.DAT
Sample name :PBS3 Analysed :11-24-04 18:10

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 18:10	Printed	: 11/24/2004 18:16

Sample ID	: PBS3 (# 15)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5
Chromatogram	: C:\EAW\N112415.DAT		

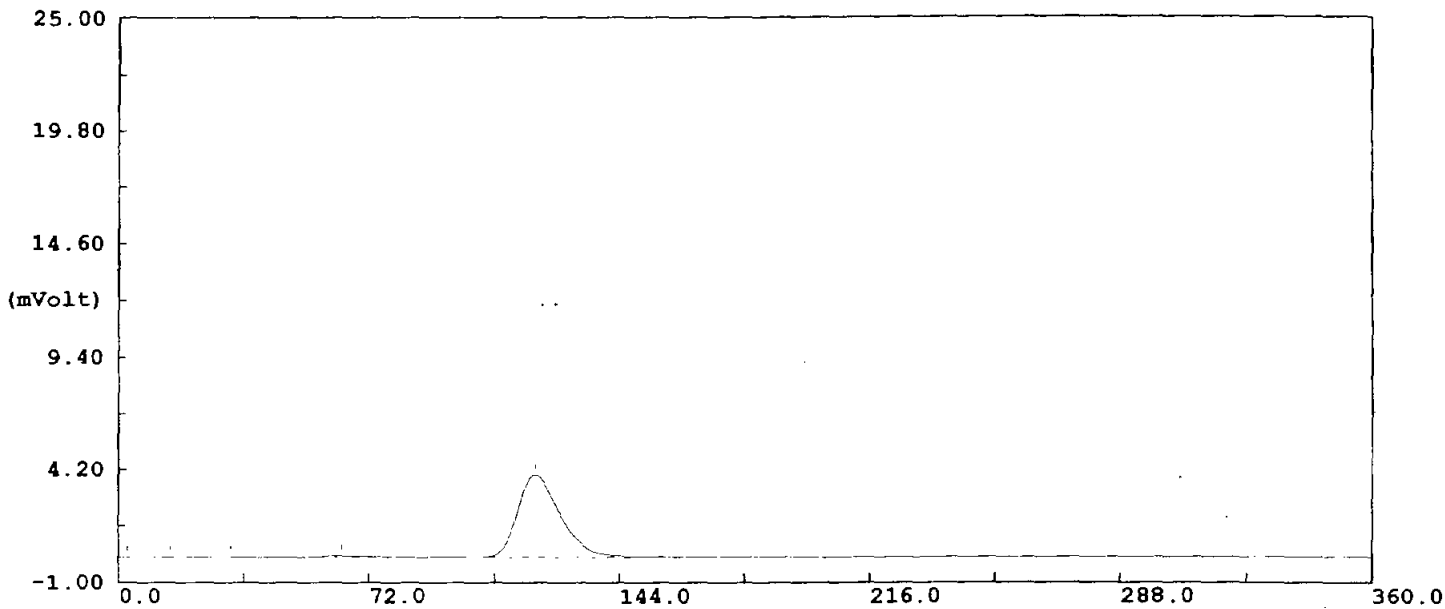
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0971	117	20474	RS	1.000000	

01379

Eager 200 Strip-Chart



Filename C:\EAW\N112416.DAT
Sample name :LCS1 Analysed :11-24-04 18:16

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 18:16
Printed : 11/24/2004 18:23

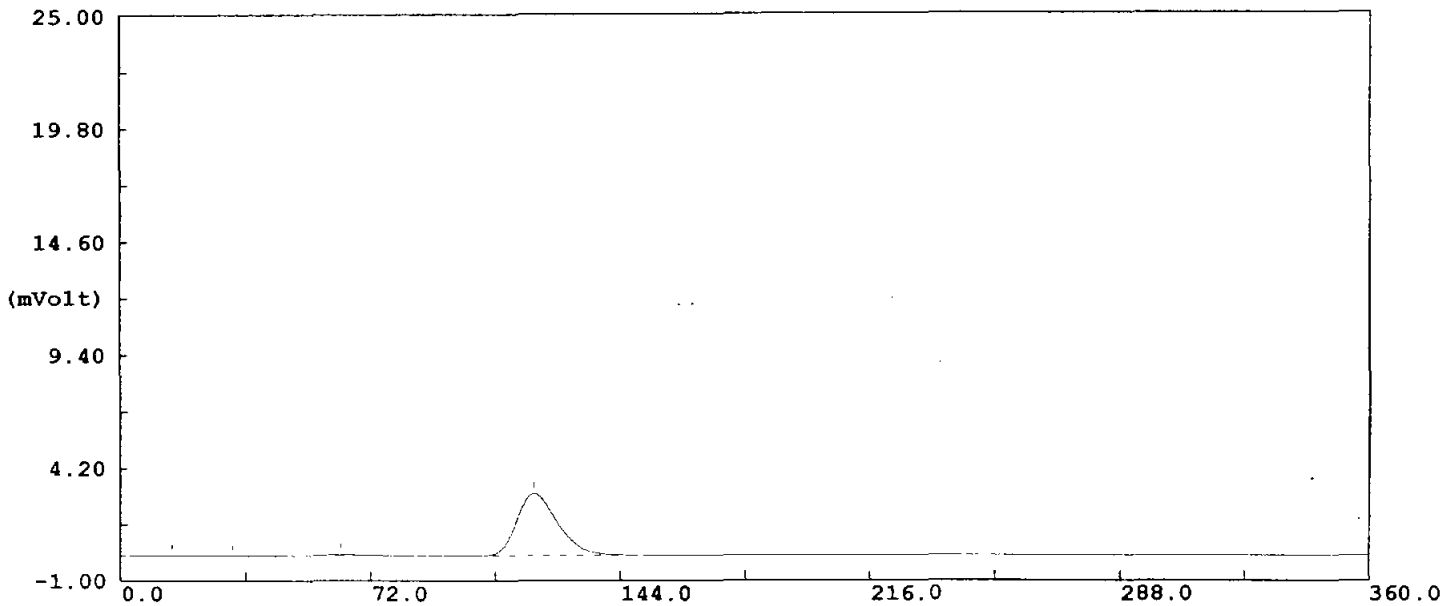
Sample ID : LCS1 (# 16)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 9.087
Chromatogram : C:\EAW\N112416.DAT

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	0.8170	120	541479	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112417.DAT
Sample name :LCS2 Analysed :11-24-04 18:23

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 18:23	Printed	: 11/24/2004 18:29

Sample ID	: LCS2 (# 17)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.601
Chromatogram	: C:\EAW\N112417.DAT		

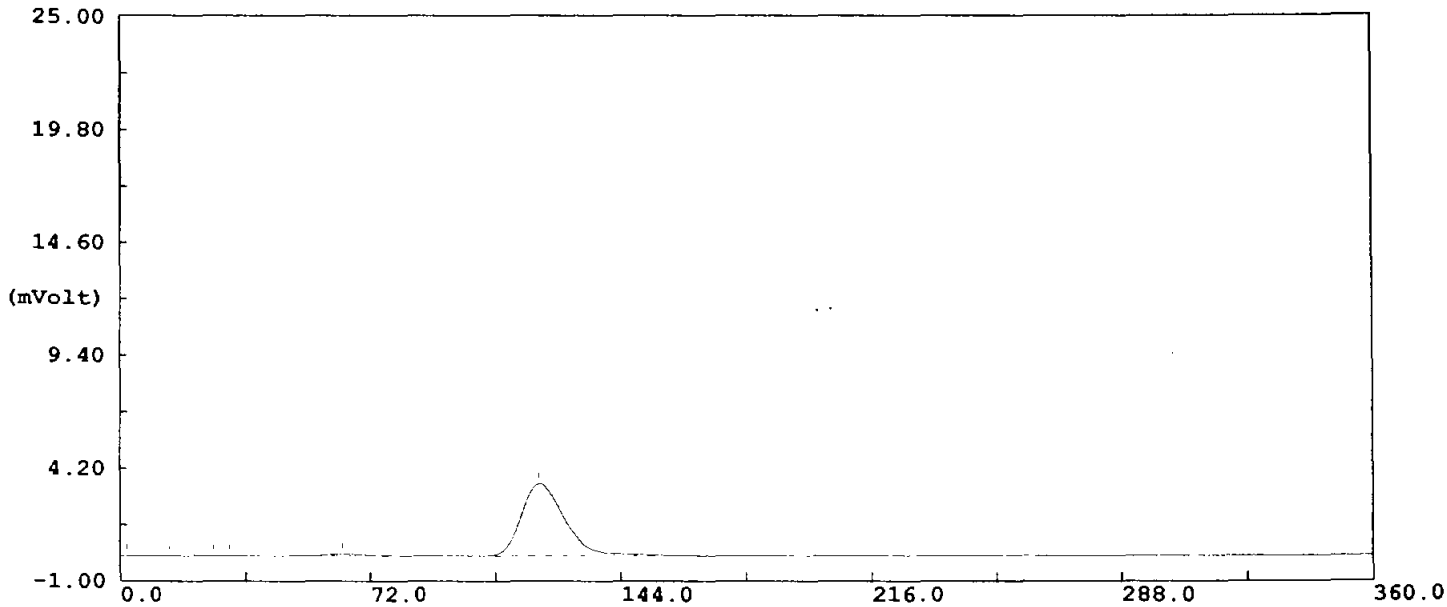
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7101	119	389299	RS	1.000000	

01380

Eager 200 Strip-Chart



Filename C:\EAW\N112418.DAT
Sample name :LCS3 Analysed :11-24-04 18:29

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-Cl124.MTH
Analysed : 11-24-04 18:29
Printed : 11/24/2004 18:35

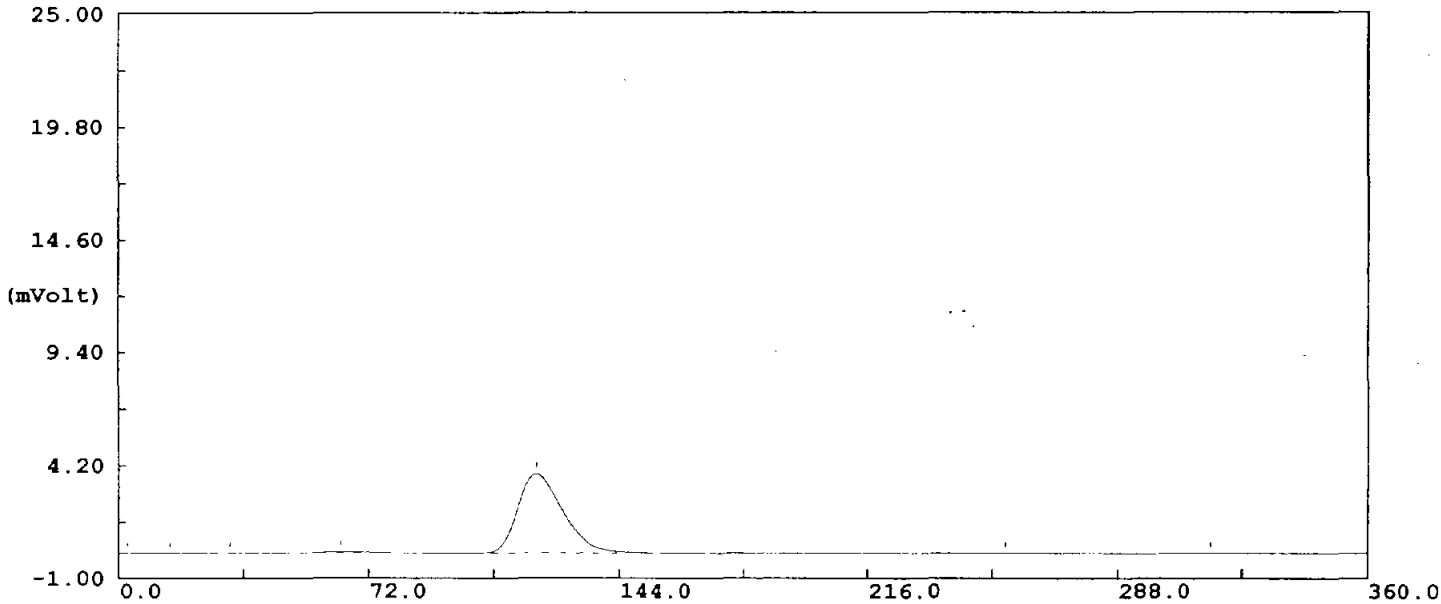
Sample ID : LCS3 (# 18)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 7.496
Chromatogram : C:\EAW\N112418.DAT

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	0.8779	121	478200	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112419.DAT
Sample name :LCS4 Analysed :11-24-04 18:35

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 18:35
Printed : 11/24/2004 18:41

Sample ID : LCS4 (# 19)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 8.463
Chromatogram : C:\EAW\N112419.DAT

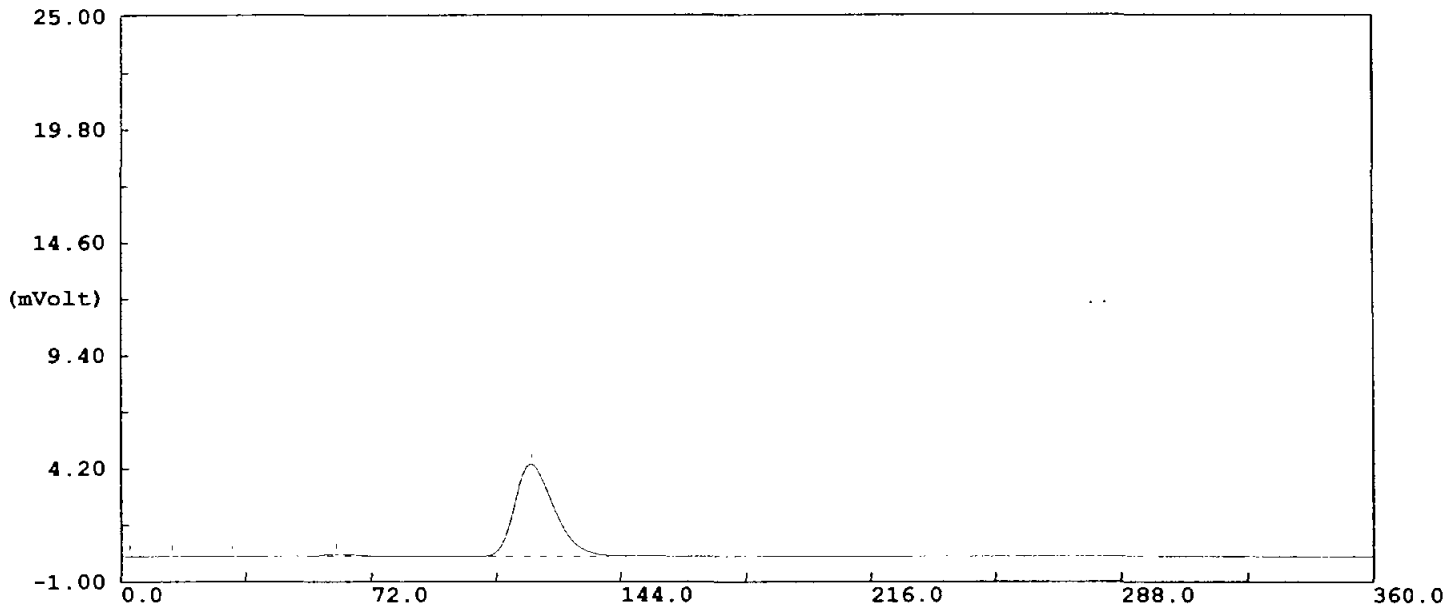
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.8873	120	547914	RS	1.000000	

01381

Eager 200 Strip-Chart



Filename C:\EAW\N112420.DAT
Sample name :599476 Analysed :11-24-04 18:41

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 18:41
Printed : 11/24/2004 18:47

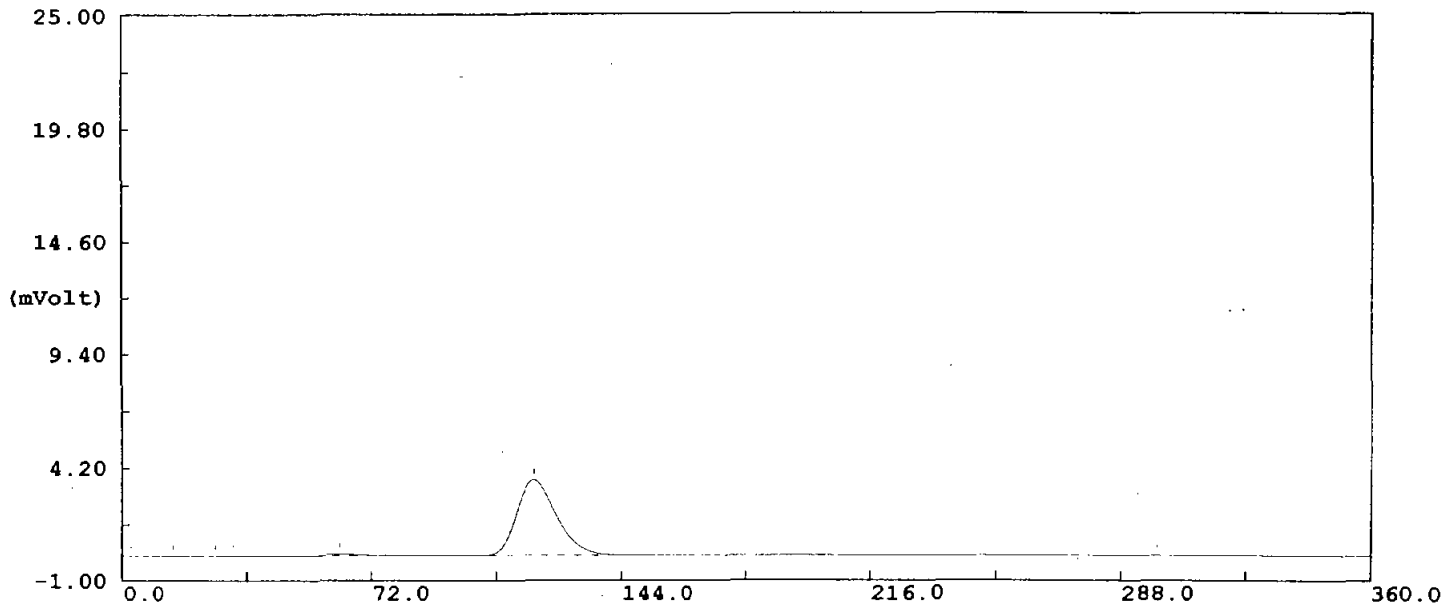
Sample ID : 599476 (# 20)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 4.588
Chromatogram : C:\EAW\N112420.DAT

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	1.6508	118	552763	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112421.DAT
Sample name :599476 Analysed :11-24-04 18:47

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 18:47	Printed	: 11/24/2004 18:53

Sample ID	: 599476 (# 21)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.627
Chromatogram	: C:\EAW\N112421.DAT		

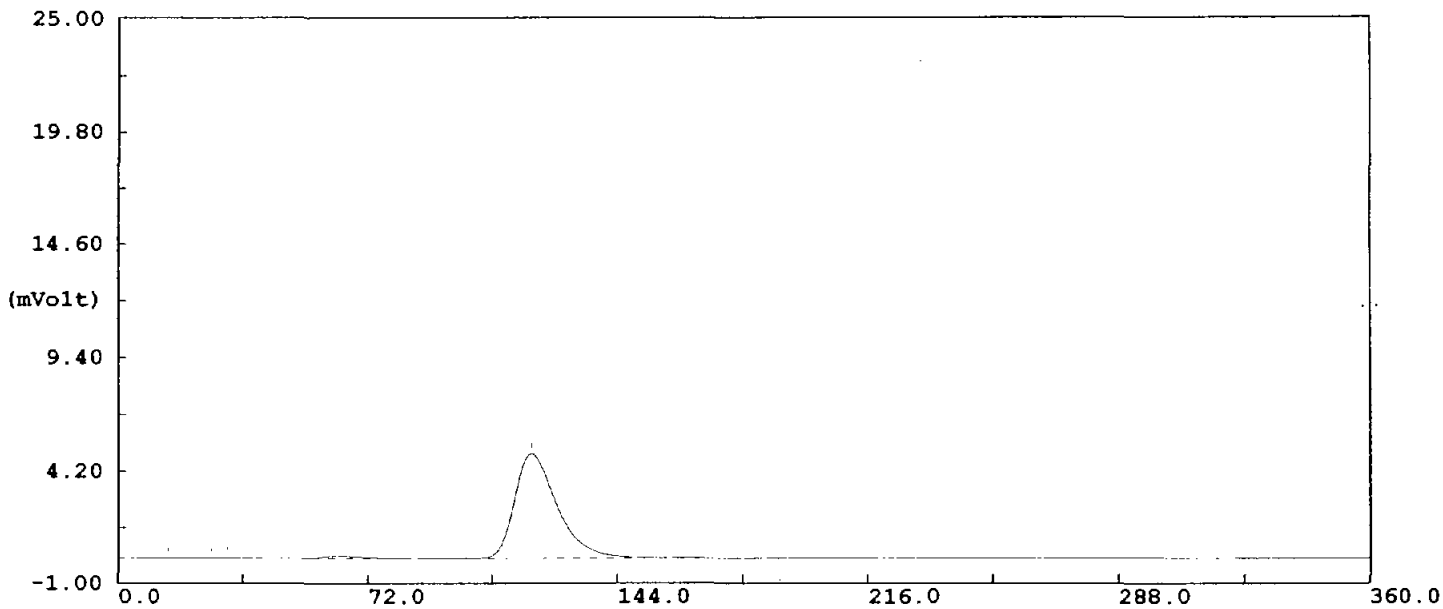
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.3590	119	456210	RS	1.000000	

01382

Eager 200 Strip-Chart



Filename C:\EAW\N112422.DAT
Sample name :599476 Analysed :11-24-04 18:53

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 18:53
Printed : 11/24/2004 18:59

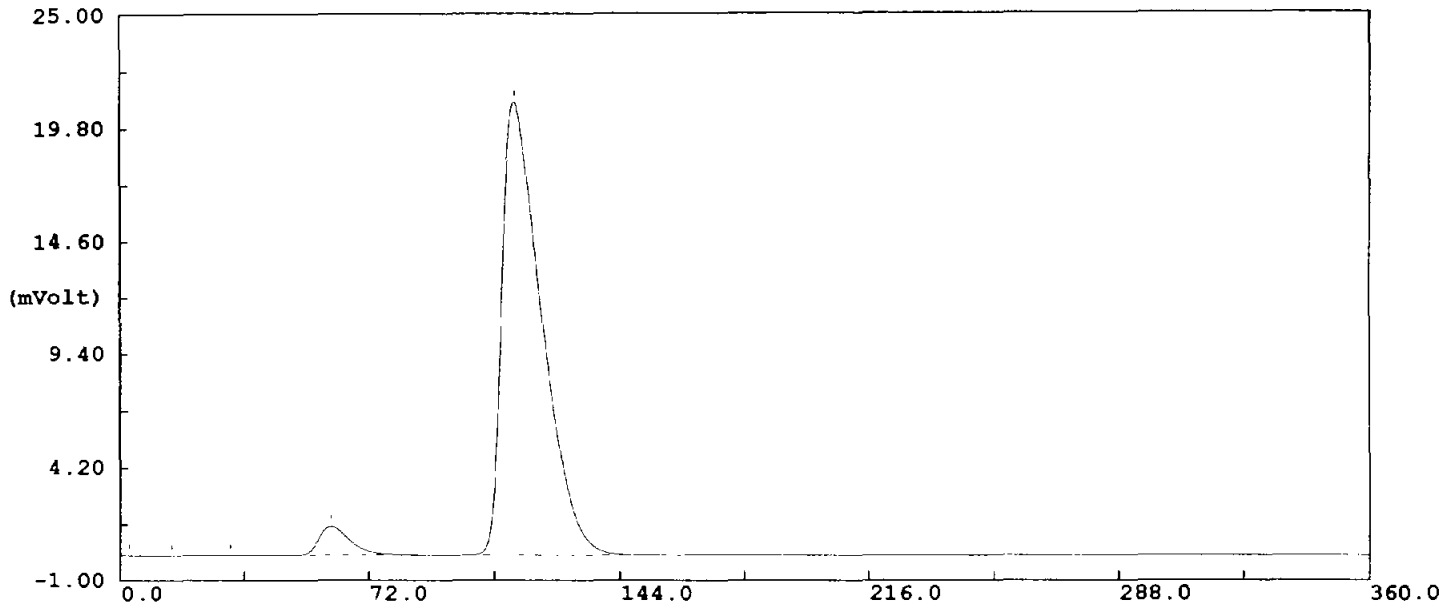
Sample ID : 599476 (# 22)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 6.302
Chromatogram : C:\EAW\N112422.DAT

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	1.4738	119	681464	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112423.DAT
Sample name :ACETANILIDE Analysed :11-24-04 18:59

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 18:59	Printed	: 11/24/2004 19:05

Sample ID	: ACETANILIDE (# 23)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .483
Chromatogram	: C:\EAW\N112423.DAT		

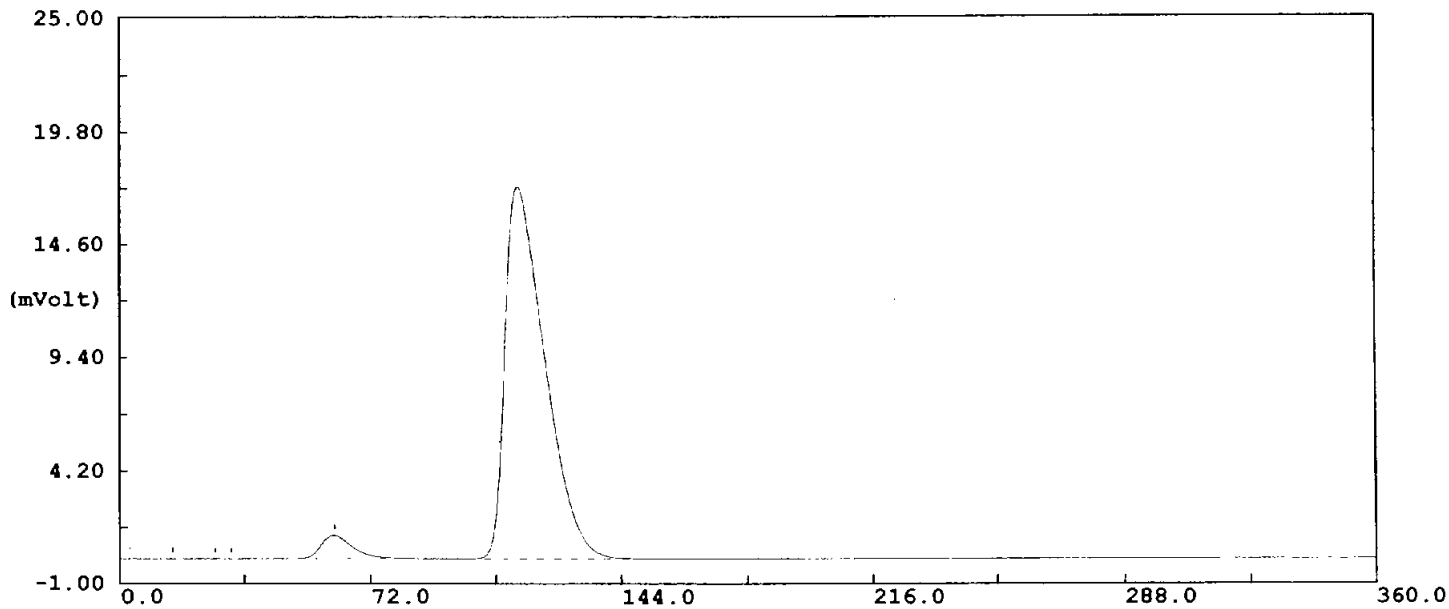
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	74.3013	114	2678799	RS	1.000000	

01383

Eager 200 Strip-Chart



Filename C:\EAW\N112424.DAT
Sample name :ACETANILIDE Analysed :11-24-04 19:05

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 19:05	Printed	: 11/24/2004 19:11

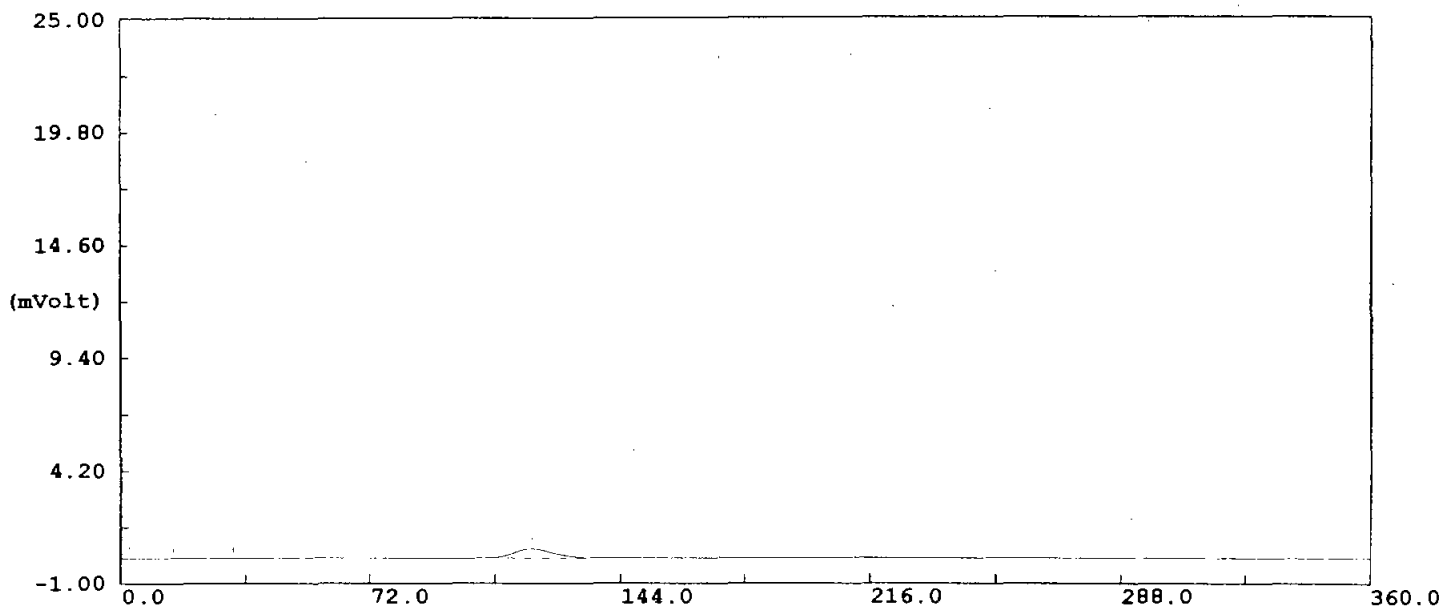
Sample ID	: ACETANILIDE (# 24)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .391
Chromatogram	: C:\EAW\N112424.DAT		

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	75.2095	115	2192176	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112425.DAT
Sample name :BLANK Analysed :11-24-04 19:11

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 19:11
Printed : 11/24/2004 19:17

Sample ID : BLANK (# 25)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 30
Chromatogram : C:\EAW\N112425.DAT

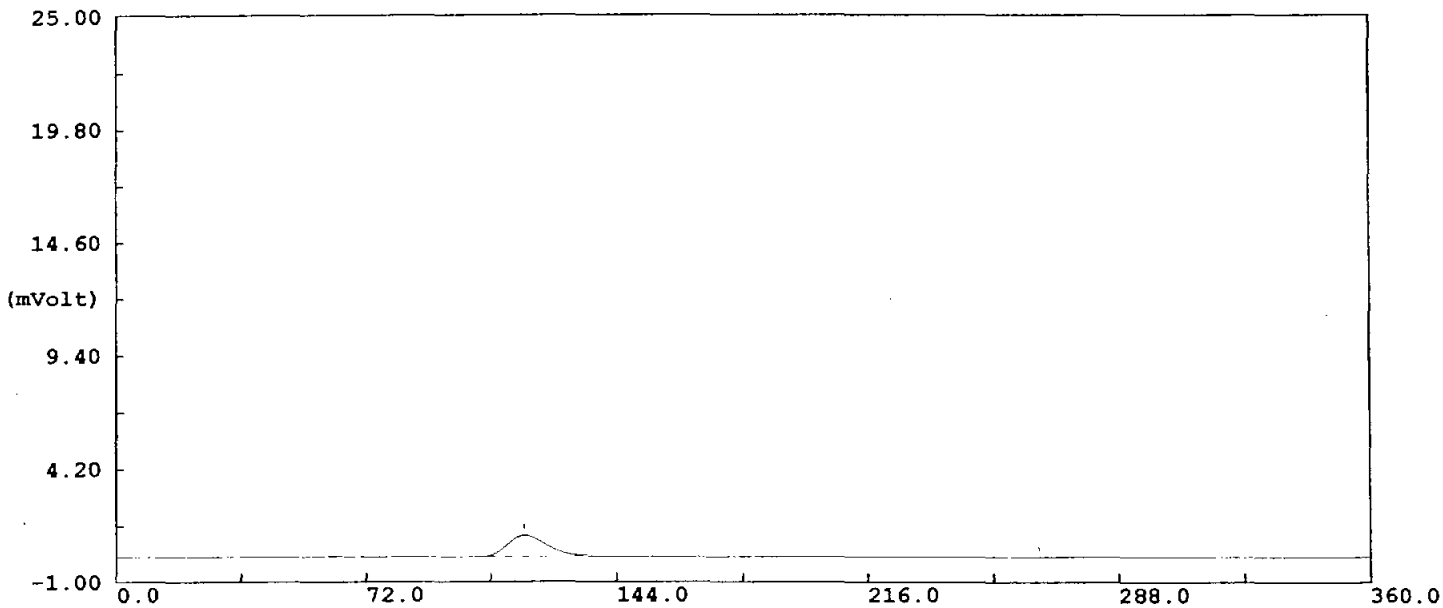
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0306	119	52964	RS	1.000000	

01384

Eager 200 Strip-Chart



Filename C:\EAW\N112426.DAT
Sample name :BLANK Analysed :11-24-04 19:17

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 19:17
Printed : 11/24/2004 19:23

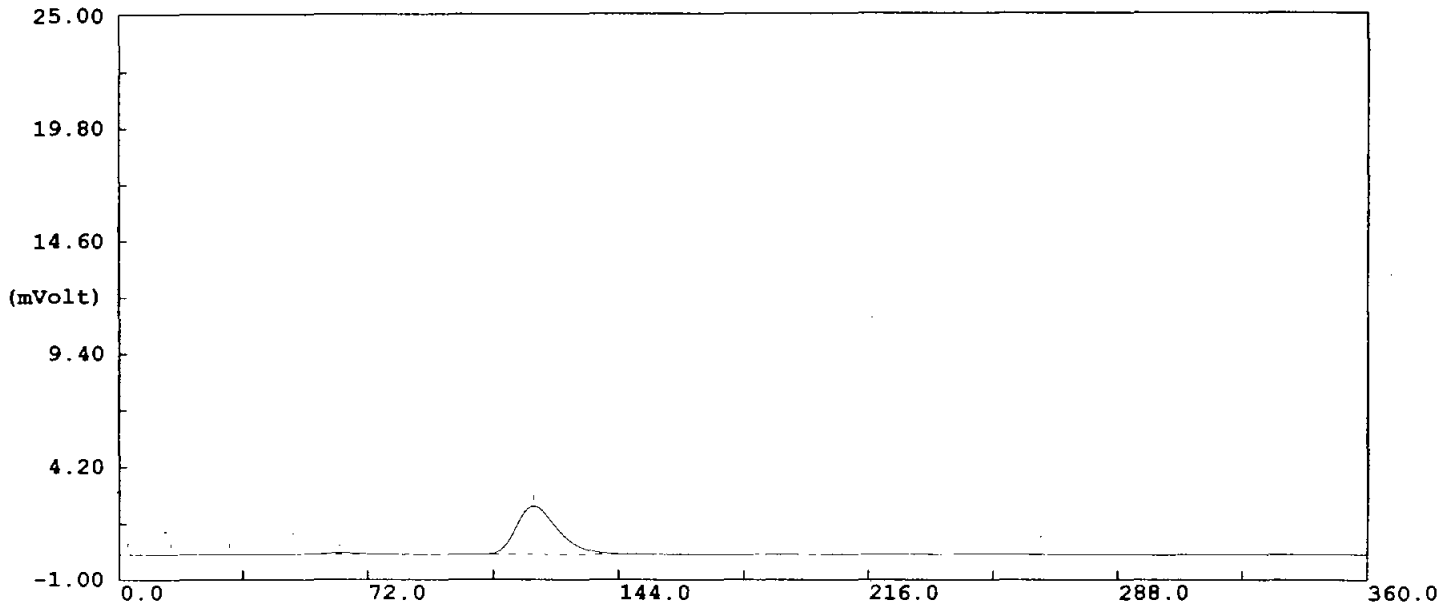
Sample ID : BLANK (# 26)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 30
Chromatogram : C:\EAW\N112426.DAT

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	0.0615	118	122519	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112427.DAT
Sample name :599663 Analysed :11-24-04 19:23

Eager 200 Report

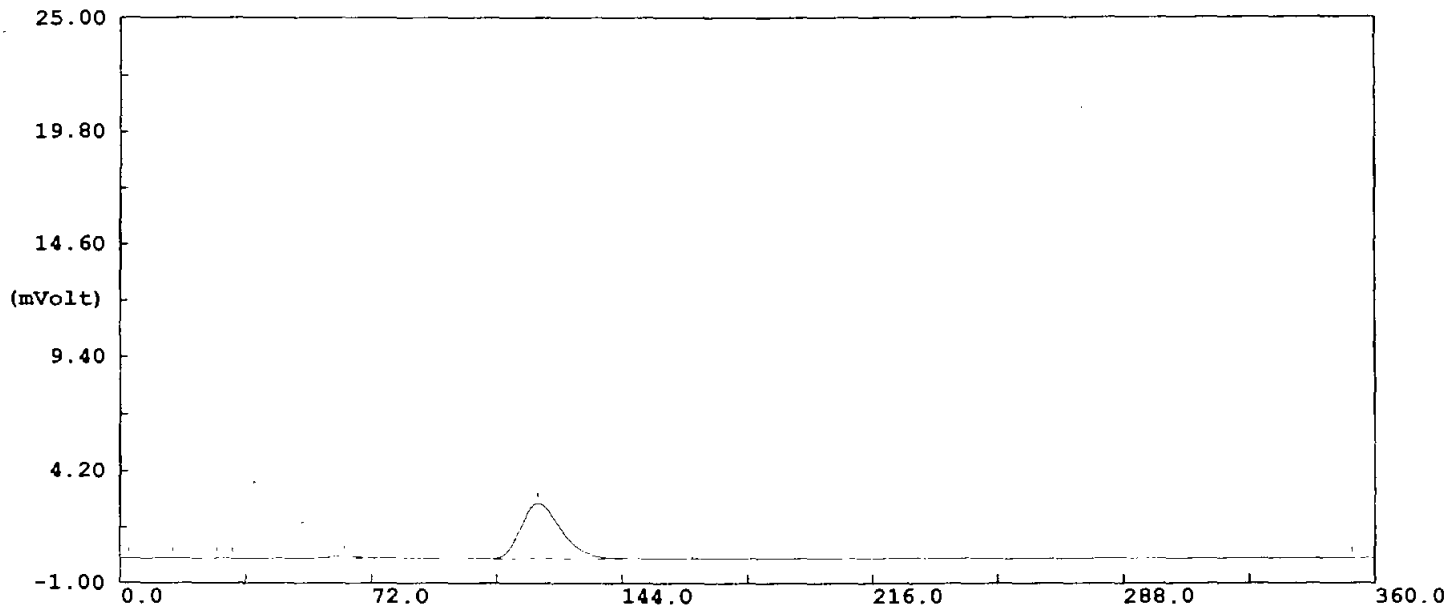
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 19:23	Printed	: 11/24/2004 19:29
Sample ID	: 599663 (# 27)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.968
Chromatogram	: C:\EAW\N112427.DAT		

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	0.8492	120	300834	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112428.DAT
Sample name :599663 Analysed :11-24-04 19:29

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 19:29
Printed : 11/24/2004 19:36

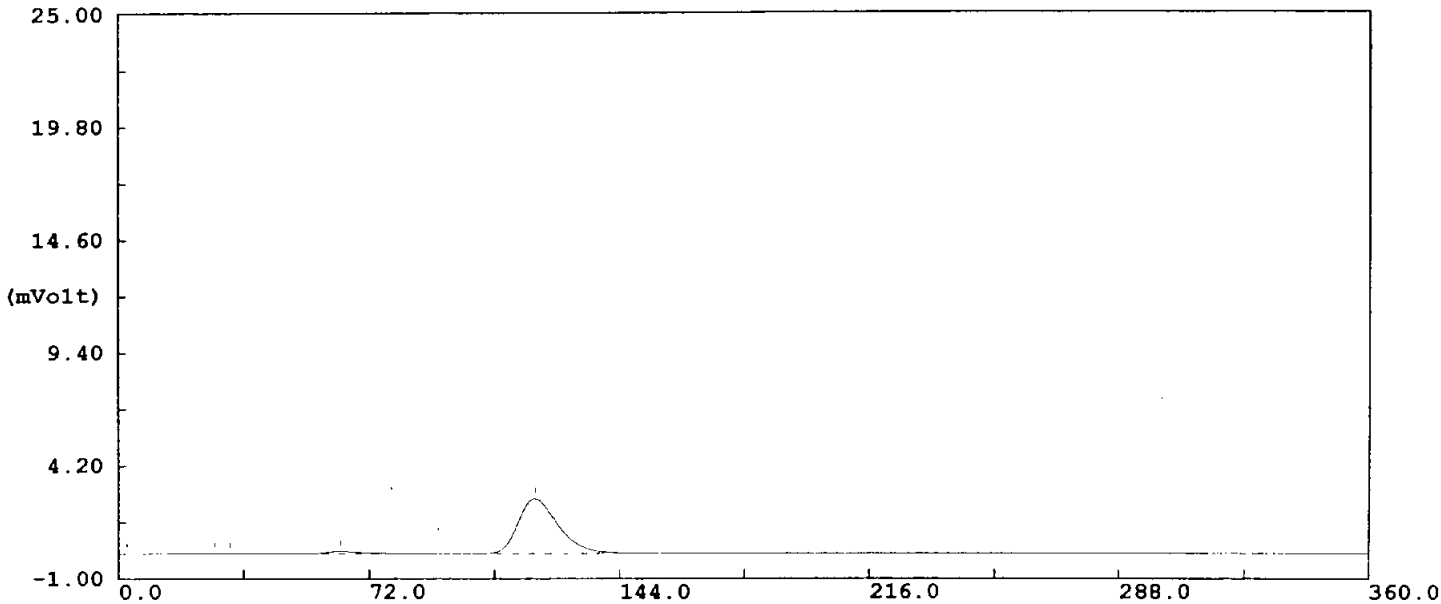
Sample ID : 599663 (# 28)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 5.678
Chromatogram : C:\EAW\N112428.DAT

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	0.8127	120	330514	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112429.DAT
Sample name :599663 Analysed :11-24-04 19:36

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 19:36	Printed	: 11/24/2004 19:42
Sample ID	: 599663 (# 29)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.916
Chromatogram	: C:\EAW\N112429.DAT		

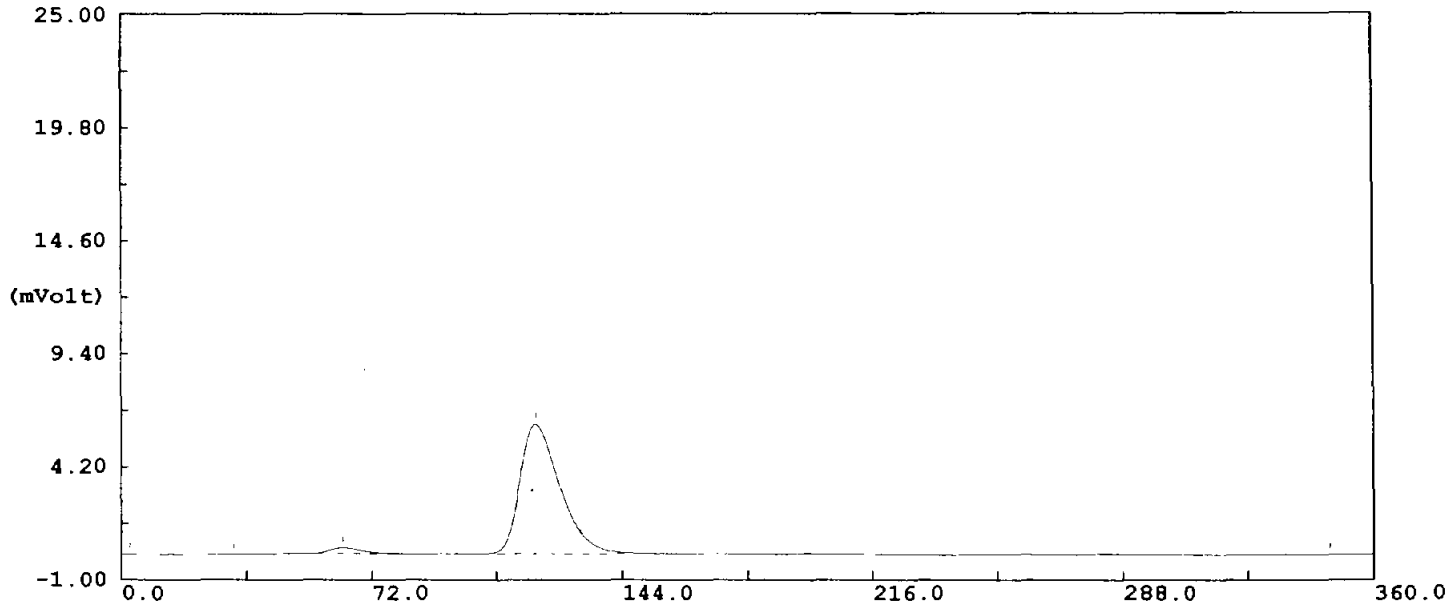
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7891	120	334558	RS	1.000000	

01386

Eager 200 Strip-Chart



Filename C:\EAW\N112430.DAT
Sample name :599664 Analysed :11-24-04 19:42

Eager 200 Report

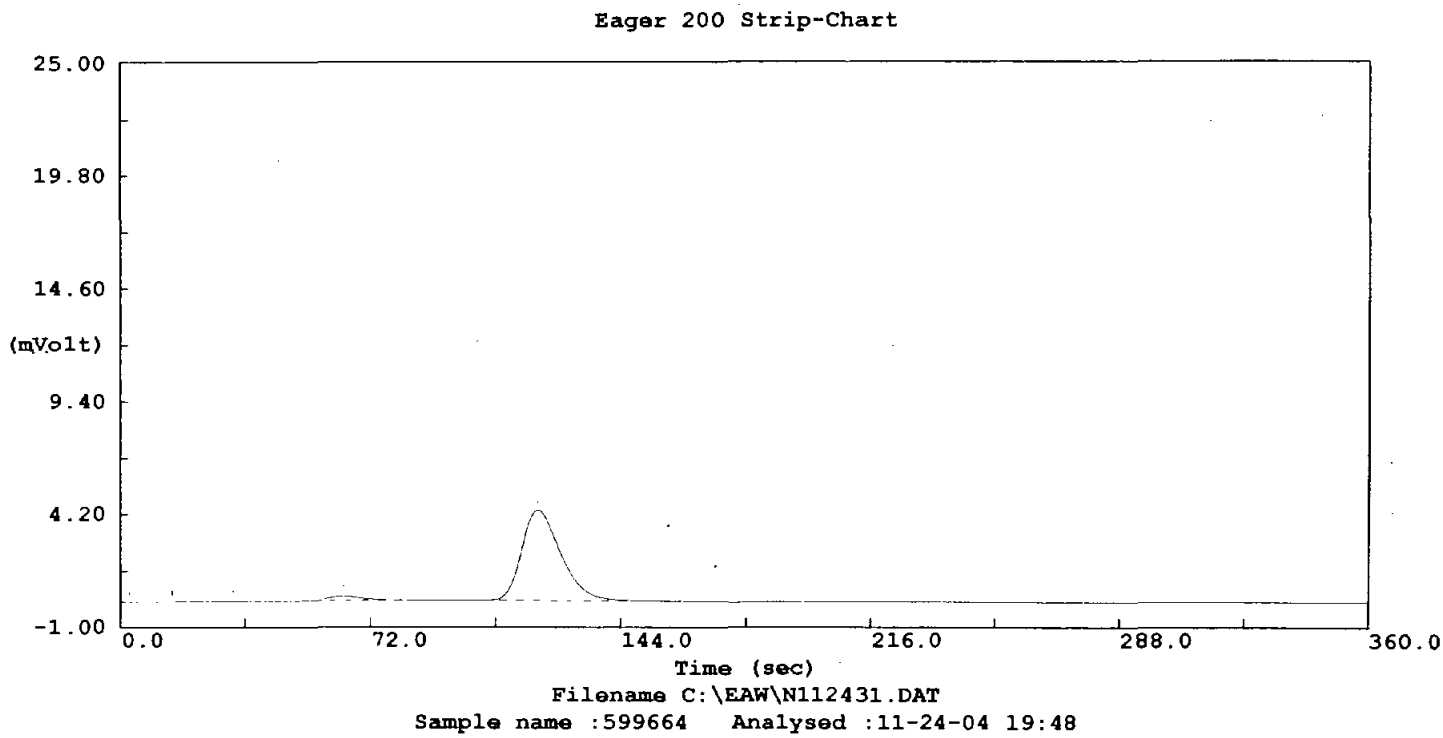
S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 19:42
Printed : 11/24/2004 19:48

Sample ID : 599664 (# 30)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 8.874
Chromatogram : C:\EAW\N112430.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	1.2038	120	786177	RS	1.000000	



Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 19:48	Printed	: 11/24/2004 19:54

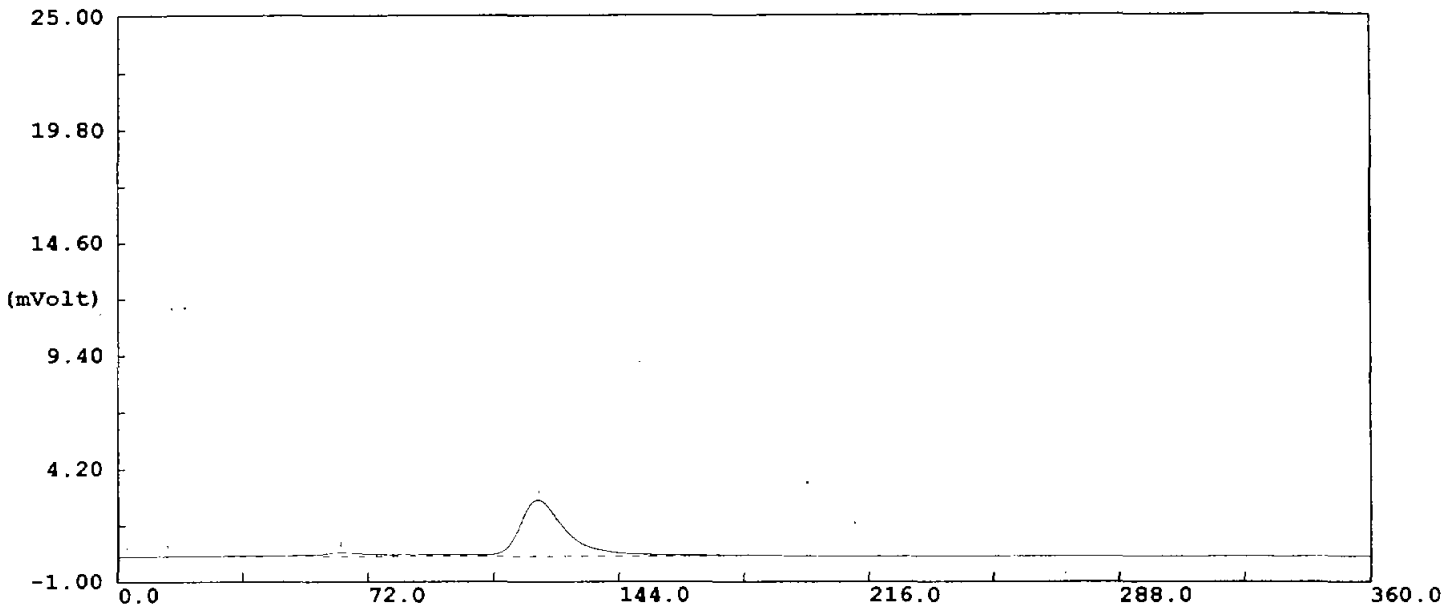
Sample ID	: 599664 (# 31)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.369
Chromatogram	: C:\EAW\N112431.DAT		

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	1.1687	120	542976	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112432.DAT
Sample name :599664 Analysed :11-24-04 19:54

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 19:54
Printed : 11/24/2004 20:00

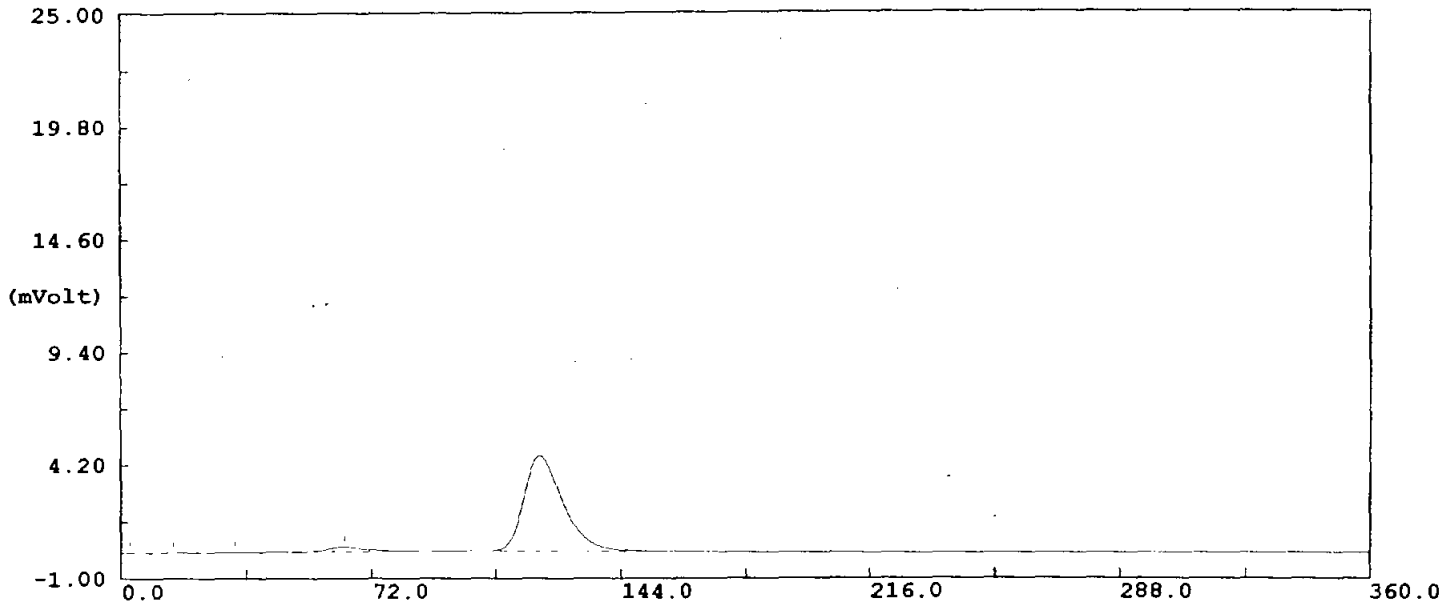
Sample ID : 599664 (# 32)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 4.219
Chromatogram : C:\EAW\N112432.DAT

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	1.3344	121	406786	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112433.DAT
Sample name :599665 Analysed :11-24-04 20:00

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 20:00
Printed : 11/24/2004 20:06

Sample ID : 599665 (# 33)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 7.018
Chromatogram : C:\EAW\N112433.DAT

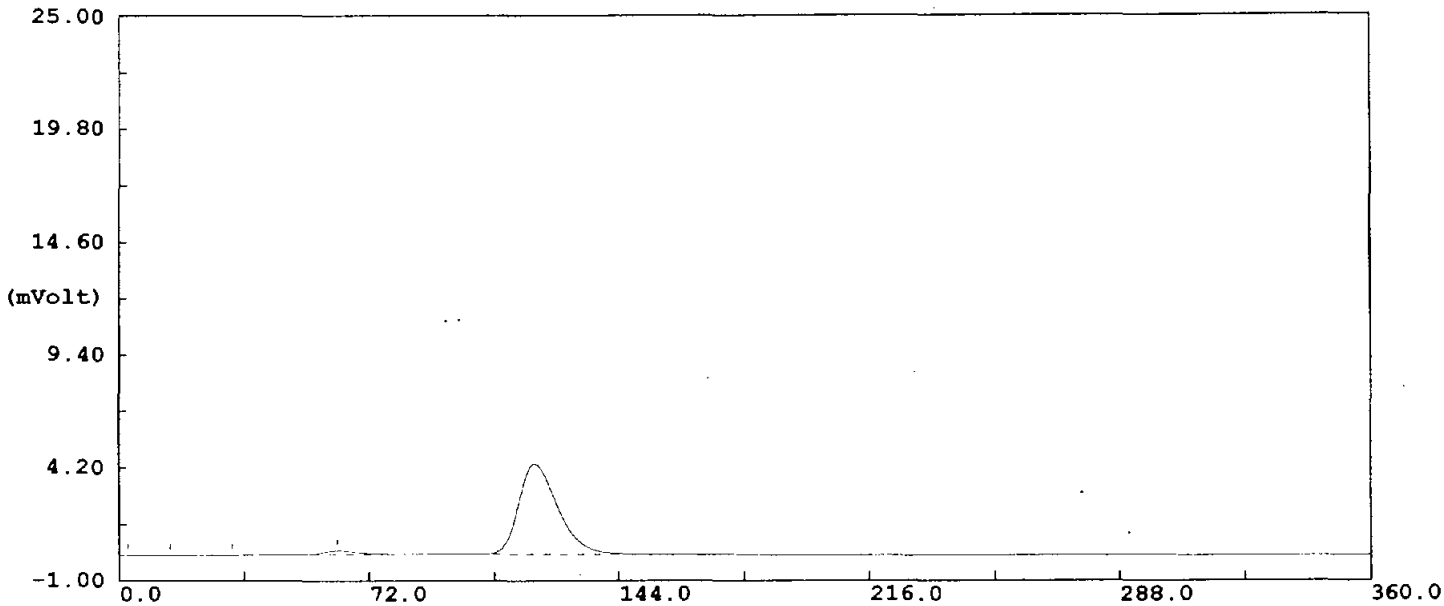
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.1259	121	577340	RS	1.000000	

01388

Eager 200 Strip-Chart



Filename C:\EAW\N112434.DAT
Sample name :599665 Analysed :11-24-04 20:06

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 20:06	Printed	: 11/24/2004 20:12

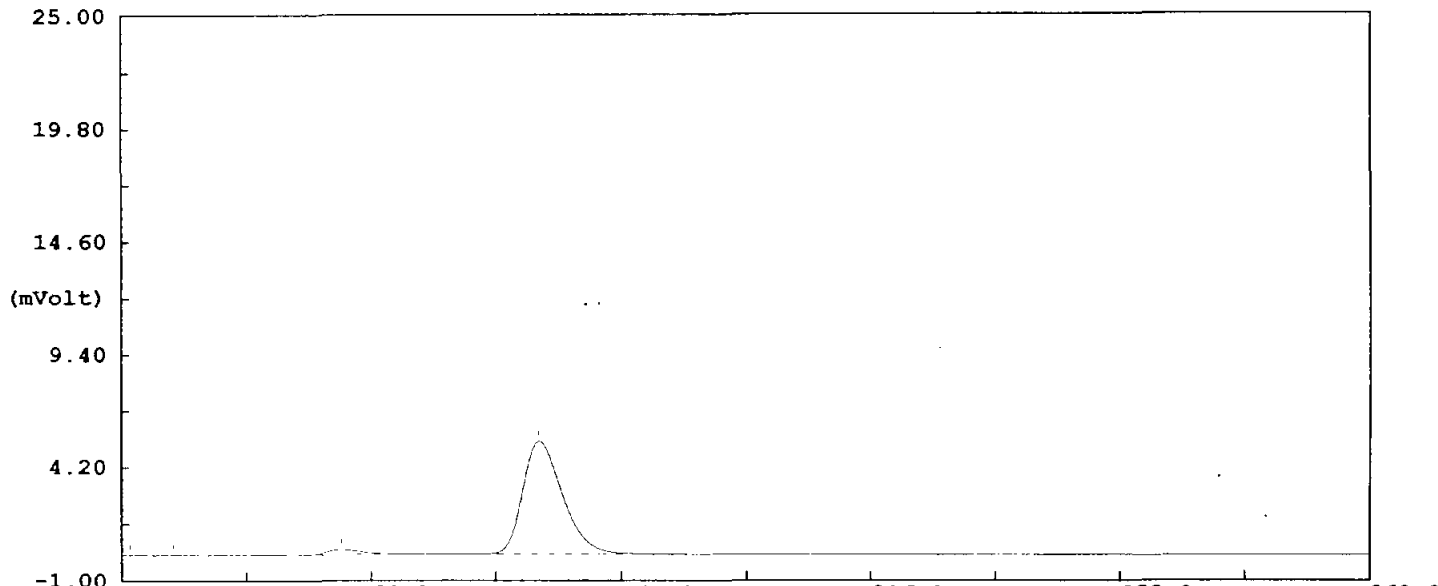
Sample ID	: 599665 (# 34)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.164
Chromatogram	: C:\EAW\N112434.DAT		

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	1.2142	120	546019	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112435.DAT
Sample name :599665 Analysed :11-24-04 20:12

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 20:12
Printed : 11/24/2004 20:18

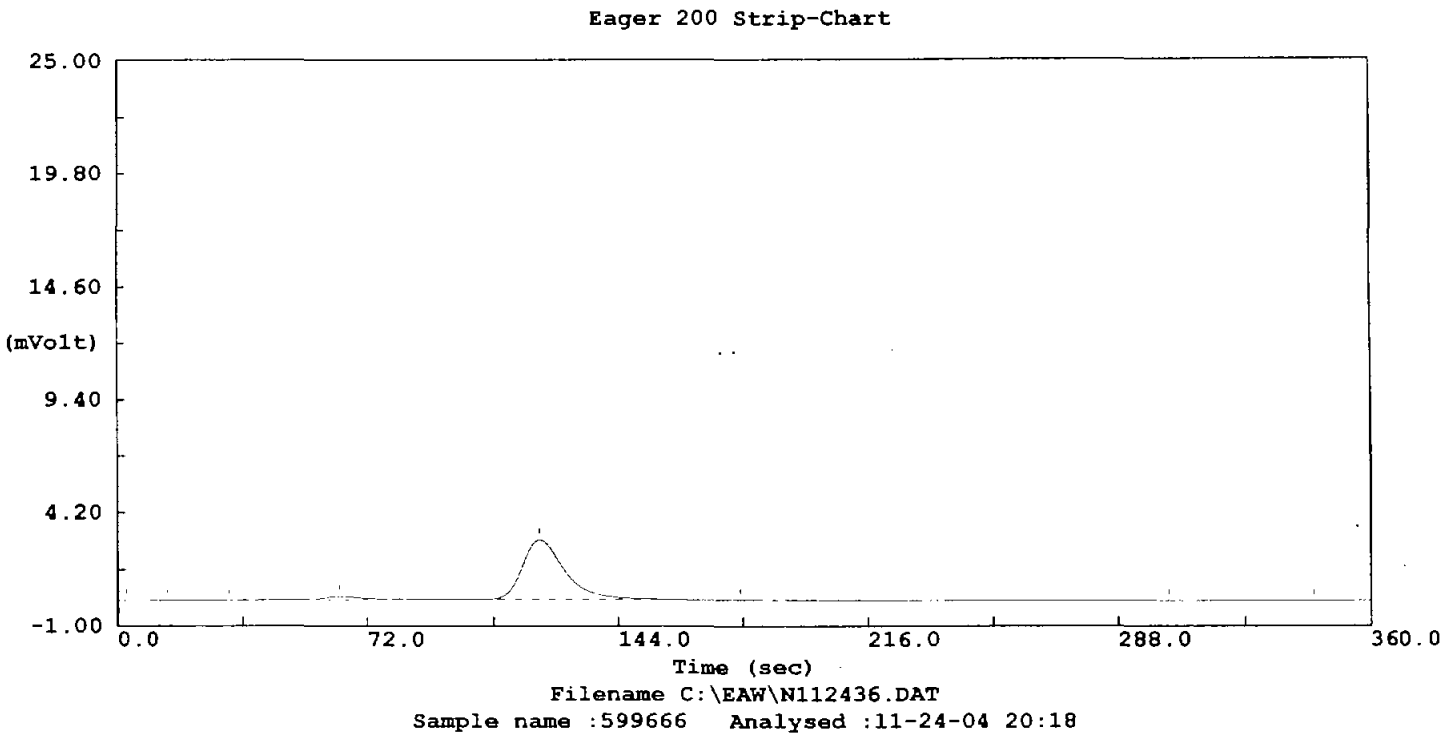
Sample ID : 599665 (# 35)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 7.428
Chromatogram : C:\EAW\N112435.DAT

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	1.2467	120	679413	RS	1.000000	

01389



Eager 200 Report

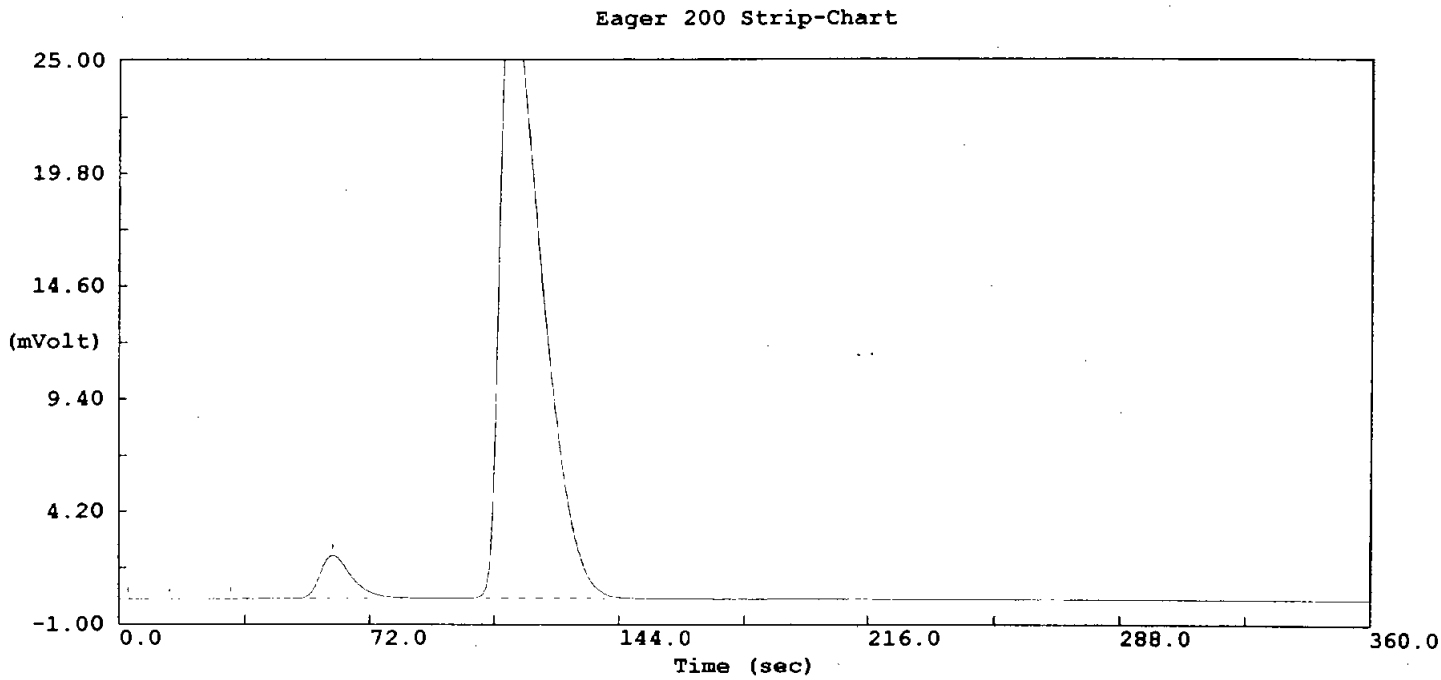
S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 20:18
Printed : 11/24/2004 20:24

Sample ID : 599666 (# 36)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 4.636
Chromatogram : C:\EAW\N112436.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	1.1423	121	381666	TL	1.000000	
Hydrogen	0.5441	179	3629	CR	105.171000	



Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 20:24
Printed : 11/24/2004 20:30

Sample ID : ACETANILIDE (# 37)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : .708
Chromatogram : C:\EAW\N112437.DAT

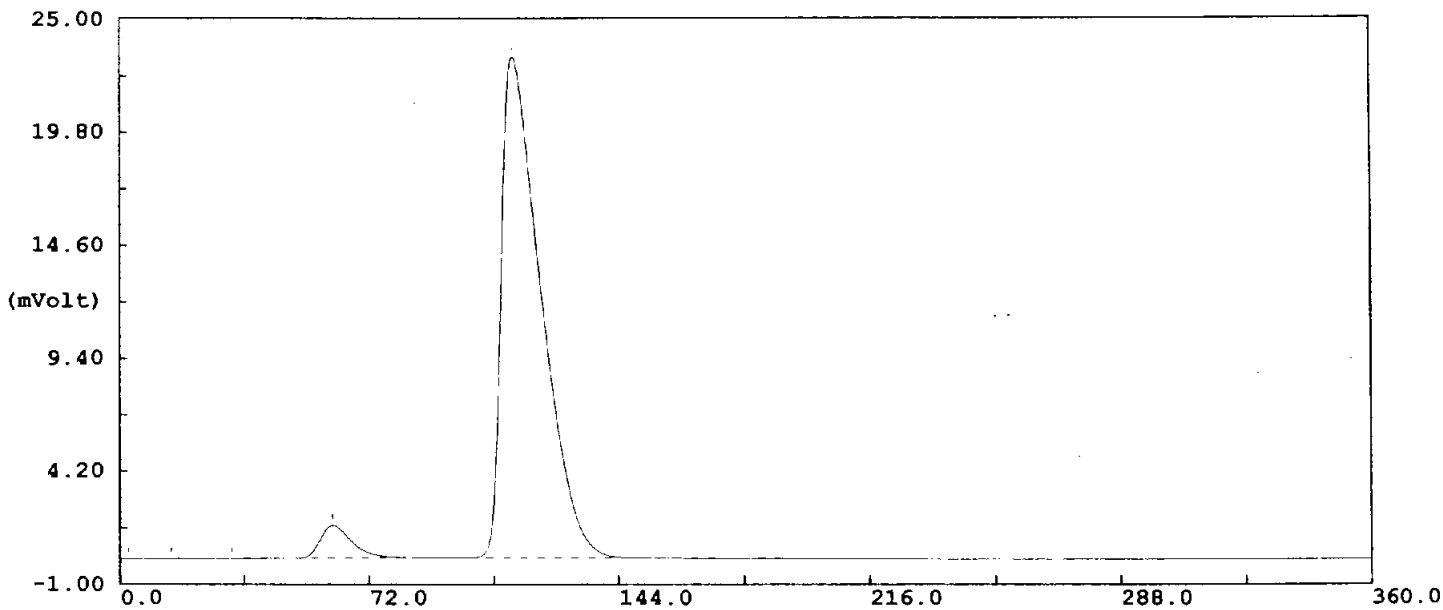
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	72.8217	112	3855469	RS	1.000000	

01390

Eager 200 Strip-Chart



Filename C:\EAW\N112438.DAT
Sample name :ACETANILIDE Analysed :11-24-04 20:30

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 20:30	Printed	: 11/24/2004 20:36

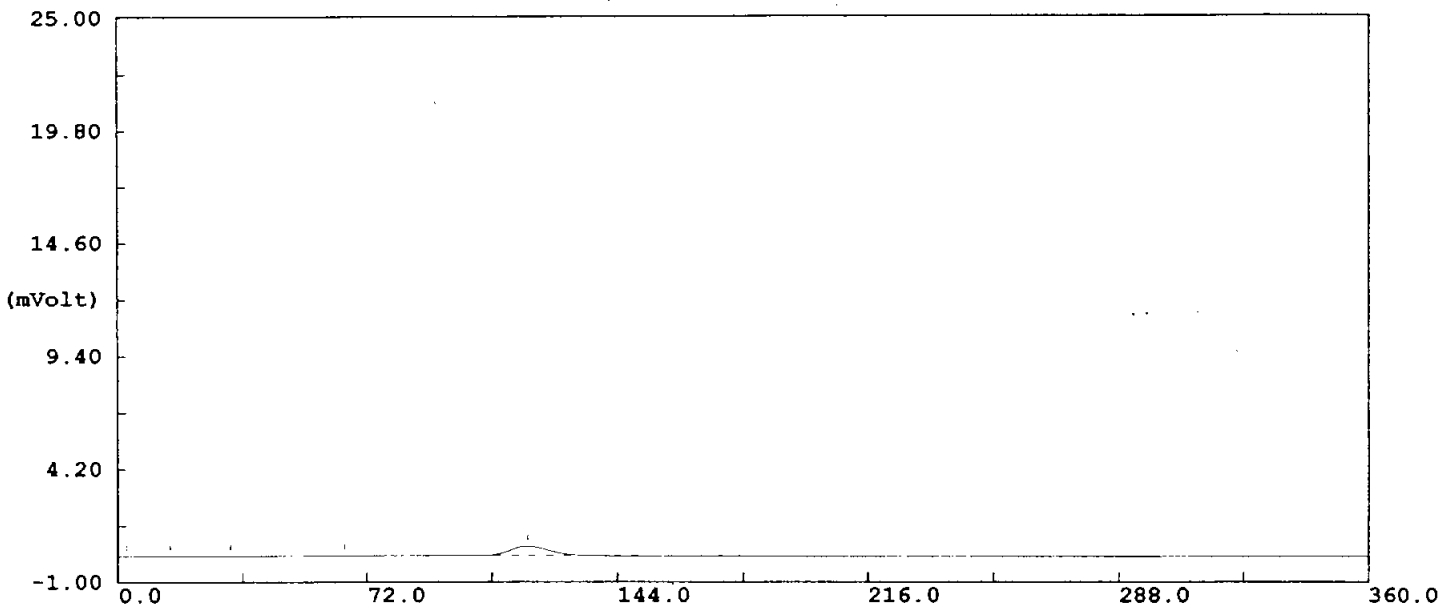
Sample ID	: ACETANILIDE (# 38)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .542
Chromatogram	: C:\EAW\N112438.DAT		

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	73.7707	114	2986382	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112439.DAT
Sample name :BLANK Analysed :11-24-04 20:36

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 20:36
Printed : 11/24/2004 20:43

Sample ID : BLANK (# 39)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 30
Chromatogram : C:\EAW\N112439.DAT

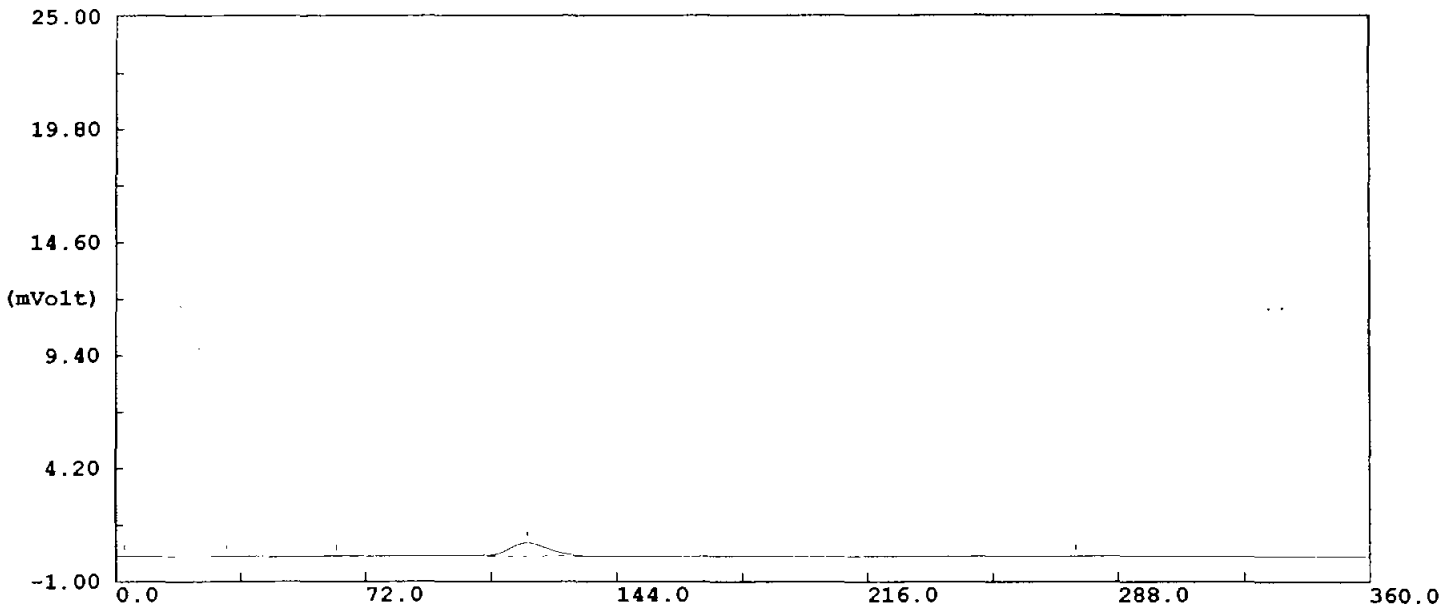
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0301	118	51876	RS	1.000000	

01391

Eager 200 Strip-Chart



Filename C:\EAW\N112440.DAT
Sample name :BLANK Analysed :11-24-04 20:43

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST Company Name : SEVERN TRENT LAB
Method Name : IN847 Method File : N-C1124.MTH
Analysed : 11-24-04 20:43 Printed : 11/24/2004 20:49

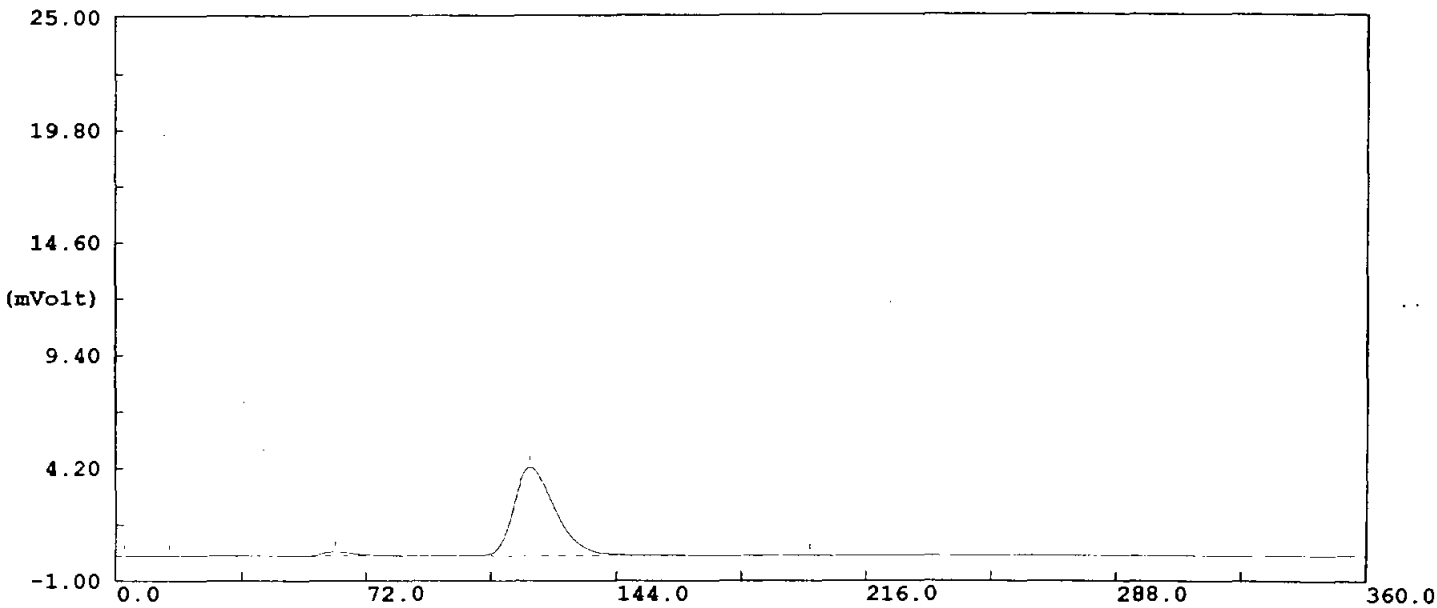
Sample ID : BLANK (# 40) Channel : Channel B
Analysis Type : UnkNown (Area) Sample weight : 30
Chromatogram : C:\EAW\N112440.DAT

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	0.0398	118	73686	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112441.DAT
Sample name :599666 Analysed :11-24-04 20:49

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 20:49	Printed	: 11/24/2004 20:55

Sample ID	: 599666 (# 41)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.84
Chromatogram	: C:\EAW\N112441.DAT		

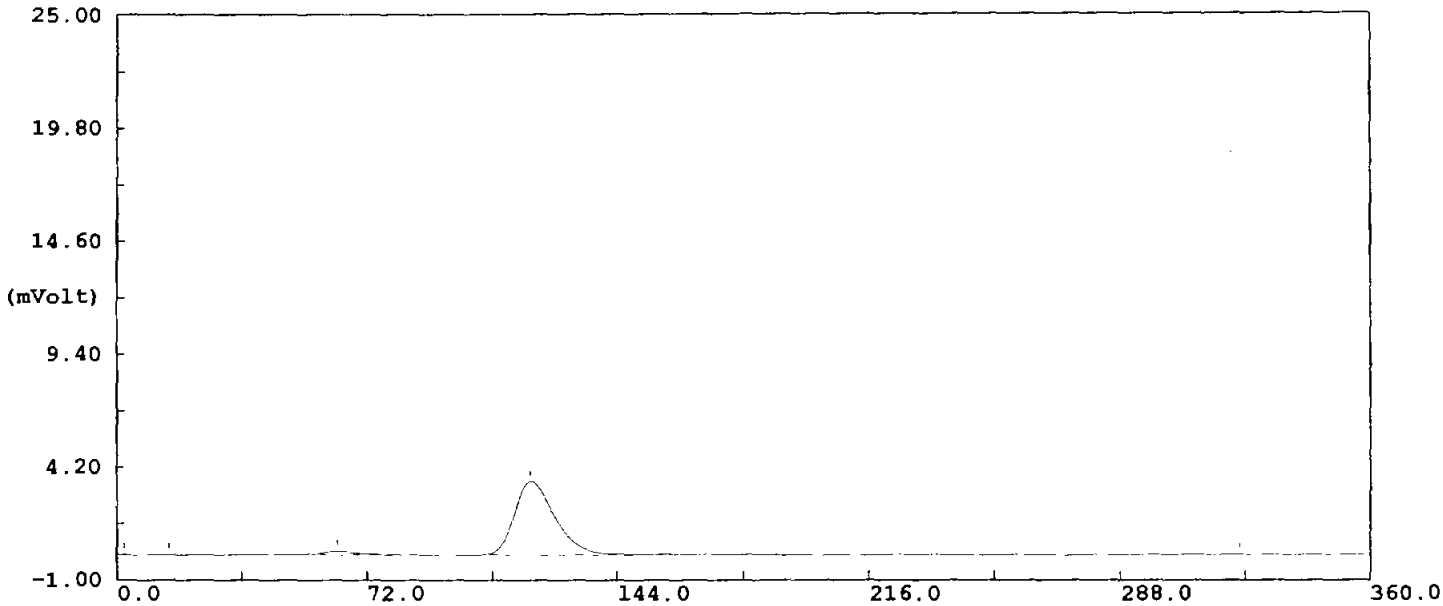
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0921	119	544938	TL	1.000000	
Hydrogen	-1.8966935E+00	200	1446	RS	376.858600	

01392

Eager 200 Strip-Chart



Filename C:\EAW\N112442.DAT
Sample name :599666 Analysed :11-24-04 20:55

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 20:55
Printed : 11/24/2004 21:01

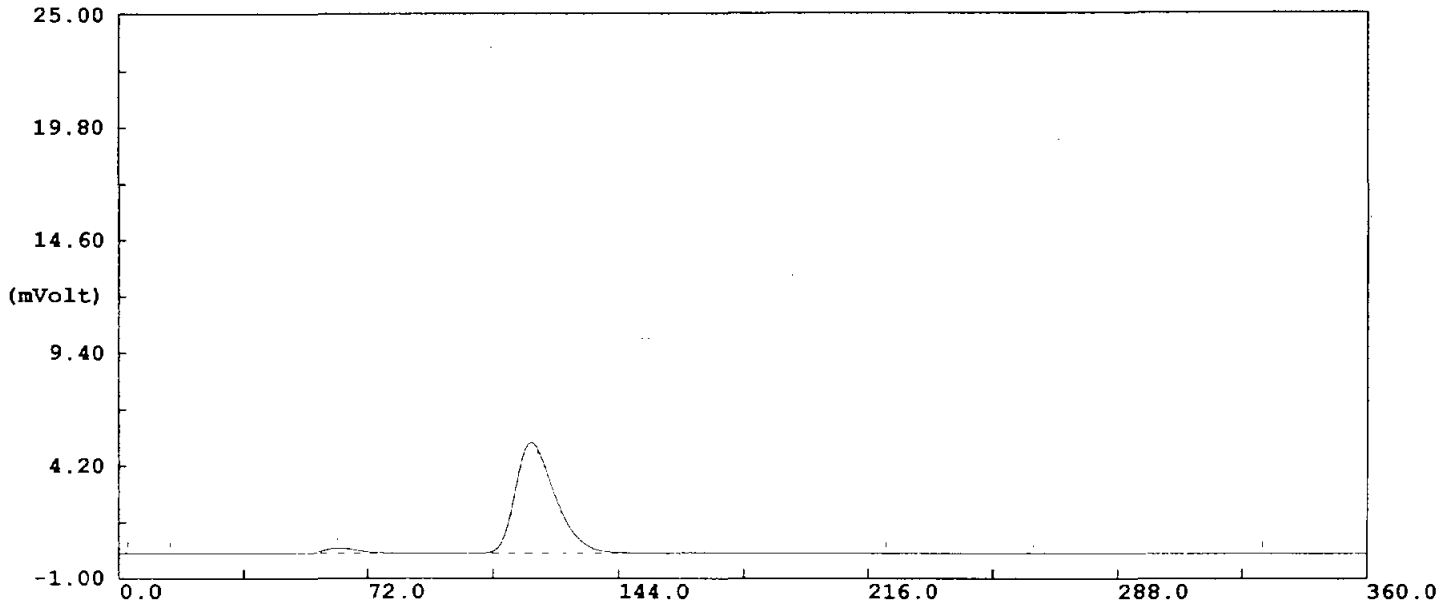
Sample ID : 599666 (# 42)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 6.303
Chromatogram : C:\EAW\N112442.DAT

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	0.9739	119	444943	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112443.DAT
Sample name :599667 Analysed :11-24-04 21:01

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Method Name : IN847
Analysed : 11-24-04 21:01

Company Name : SEVERN TRENT LAB
Method File : N-C1124.MTH
Printed : 11/24/2004 21:07

Sample ID : 599667 (# 43)
Analysis Type : UnkNown (Area)
Chromatogram : C:\EAW\N112443.DAT

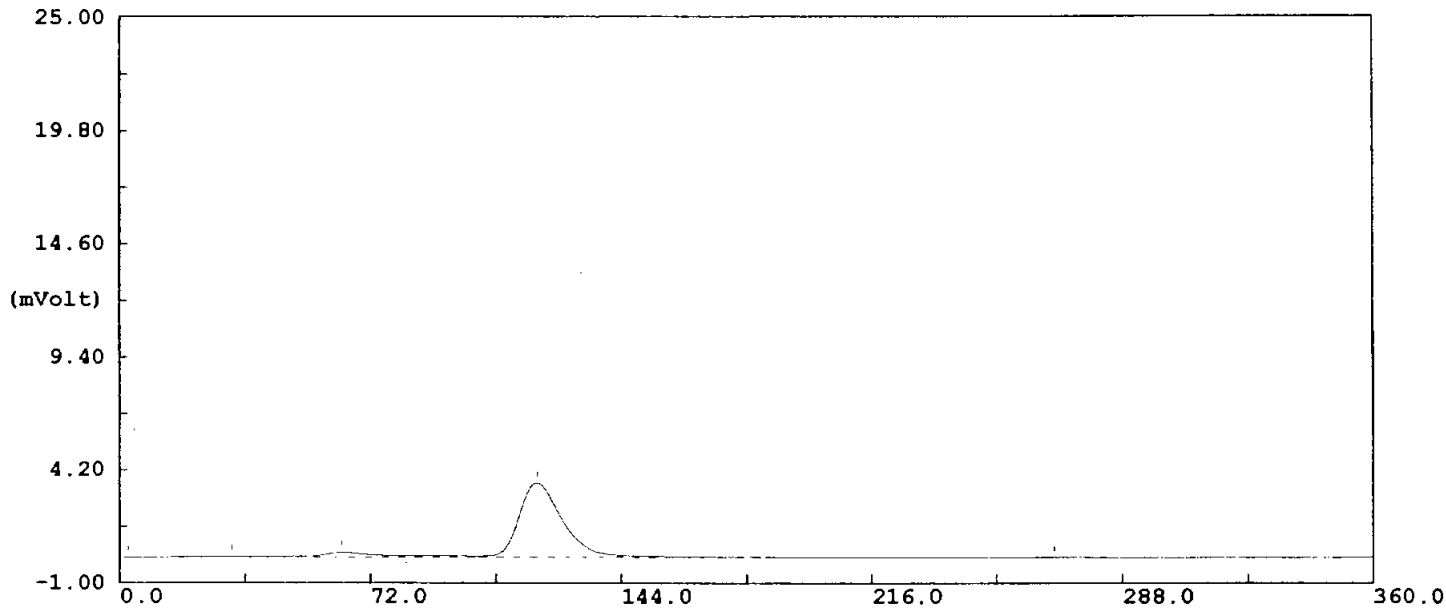
Channel : Channel B
Sample weight : 6.8

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	1.3254	119	660815	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112444.DAT
Sample name :599667 Analysed :11-24-04 21:07

Eager 200 Report

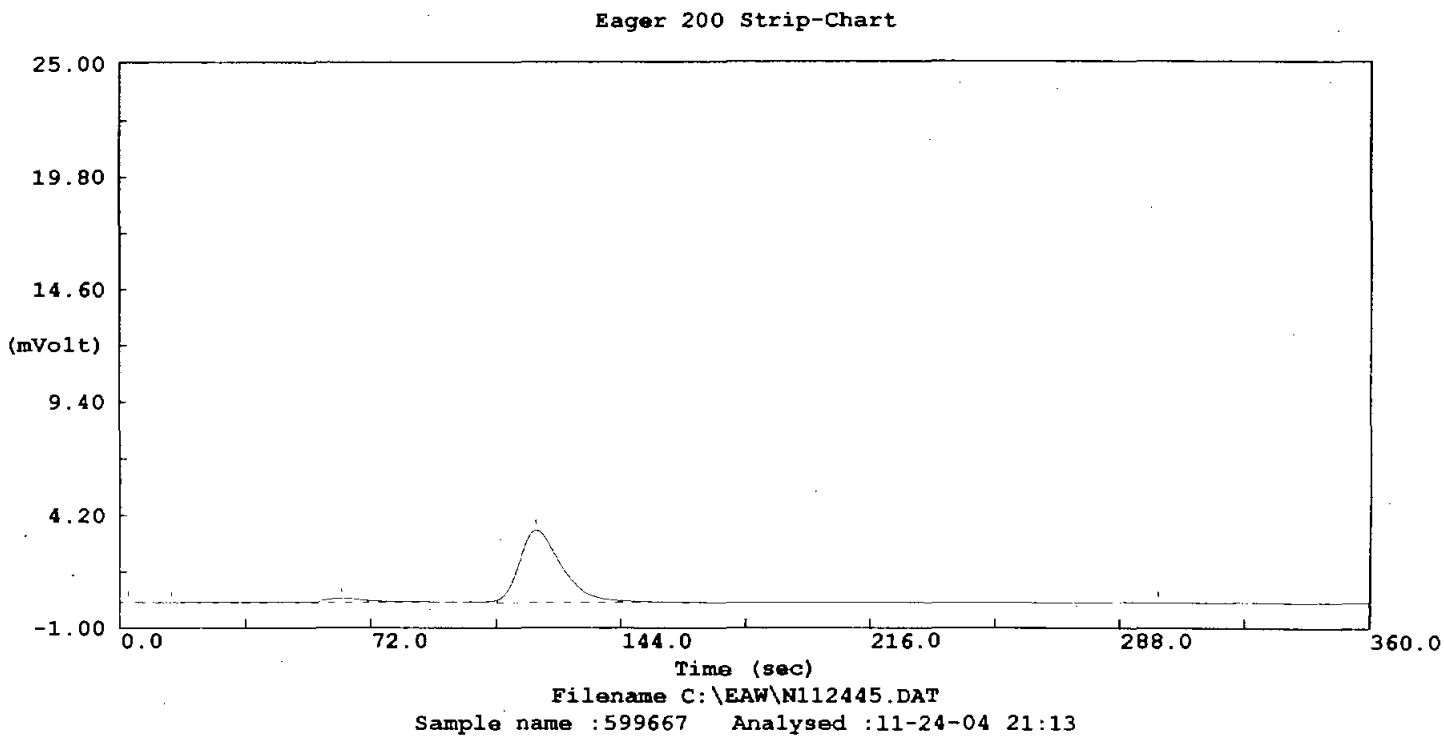
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 21:07	Printed	: 11/24/2004 21:13

Sample ID	: 599667 (# 44)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.091
Chromatogram	: C:\EAW\N112444.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	1.3217	120	489272	FU	1.000000	



Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 21:13
Printed : 11/24/2004 21:19

Sample ID : 599667 (# 45)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 4.828
Chromatogram : C:\EAW\N112445.DAT

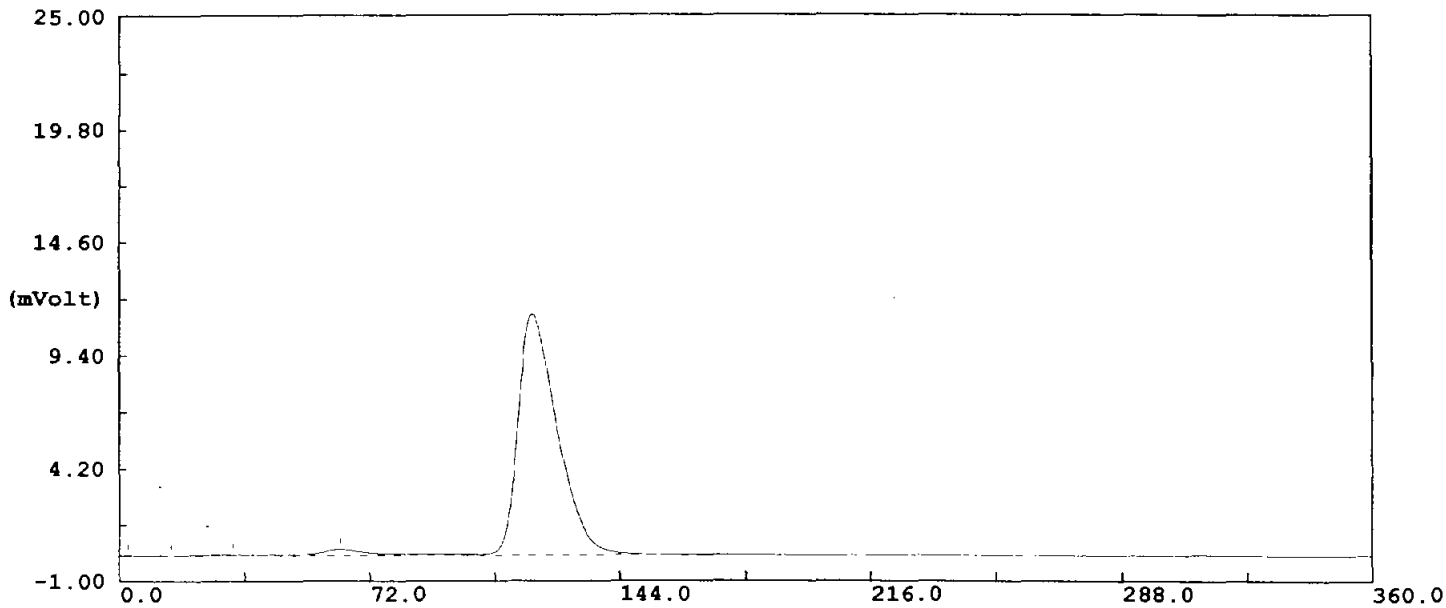
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.3480	120	472716	FU	1.000000	

01394

Eager 200 Strip-Chart



Filename C:\EAW\N112446.DAT
Sample name :599668 Analysed :11-24-04 21:19

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 21:19
Printed : 11/24/2004 21:25

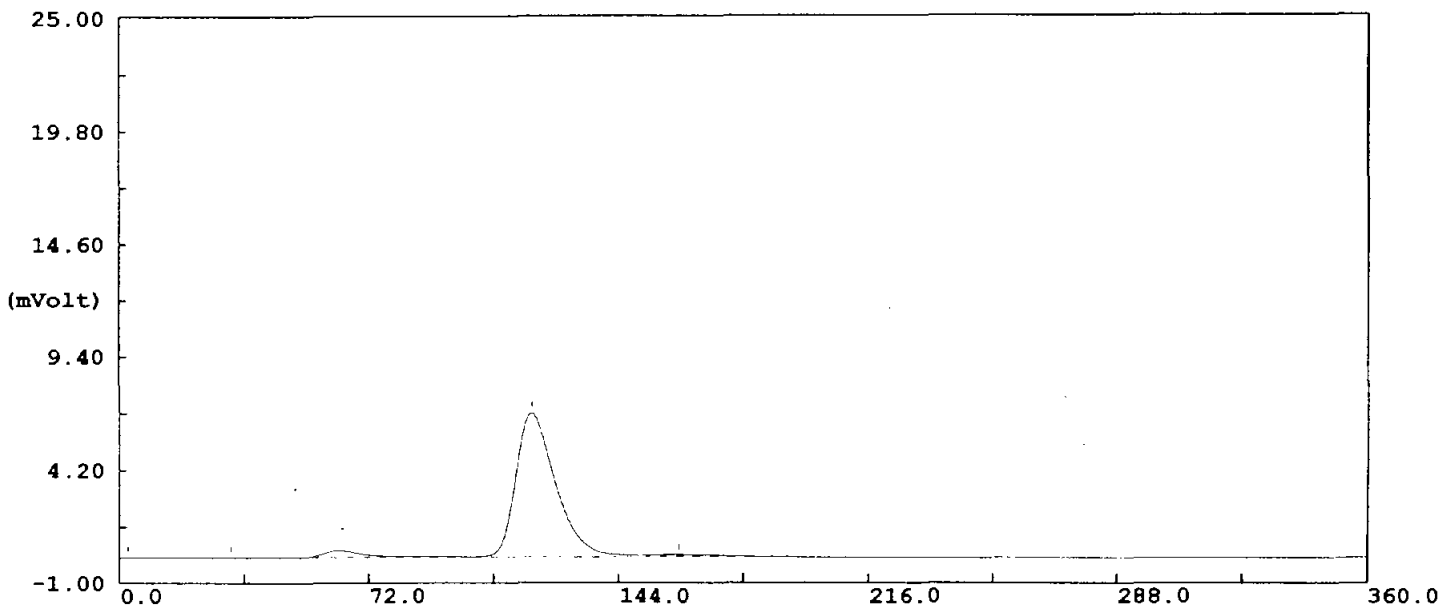
Sample ID : 599668 (# 46)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 8.174
Chromatogram : C:\EAW\N112446.DAT

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	2.4059	119	1460725	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112447.DAT
Sample name :599668 Analysed :11-24-04 21:25

Eager 200 Report

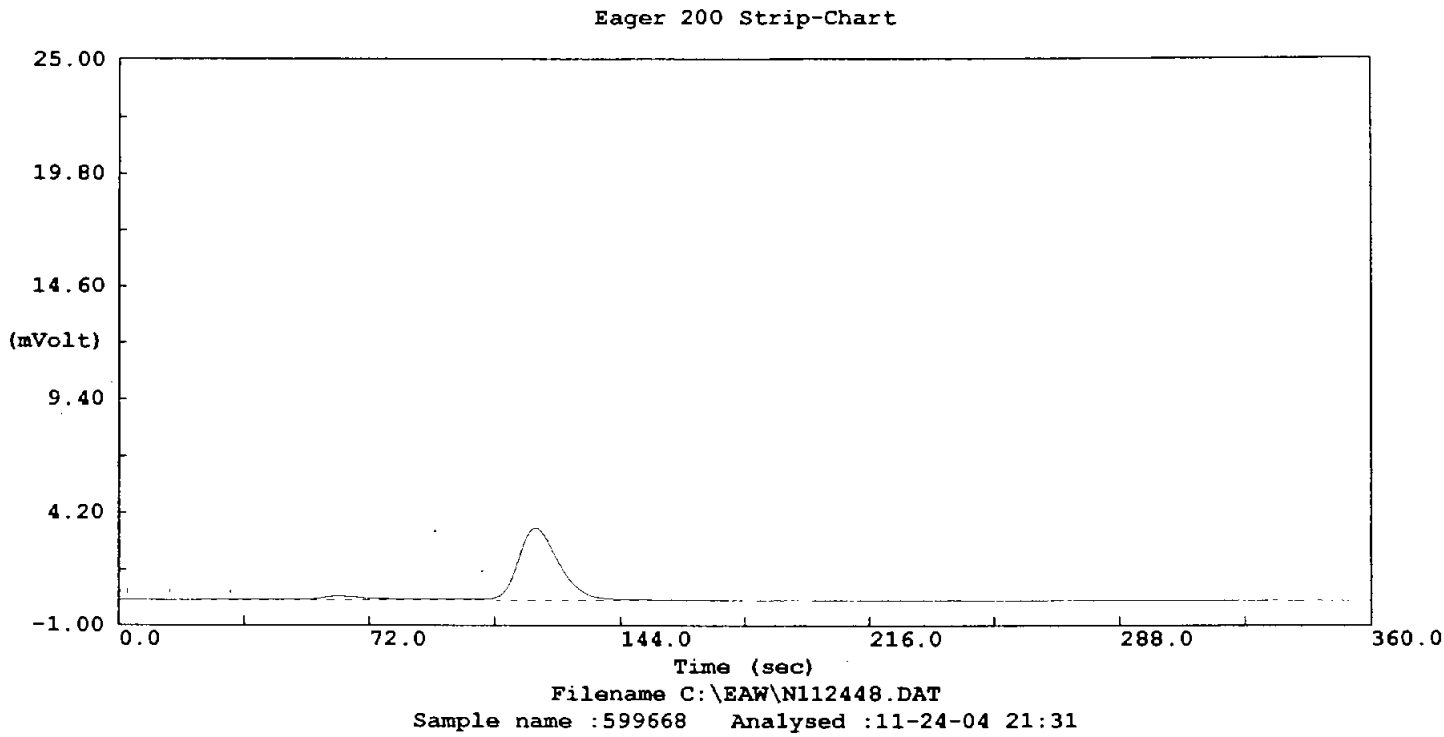
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 21:25	Printed	: 11/24/2004 21:31

Sample ID	: 599668 (# 47)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.179
Chromatogram	: C:\EAW\N112447.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	1.3473	119	912622	TL	1.000000	



Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 21:31
Printed : 11/24/2004 21:37

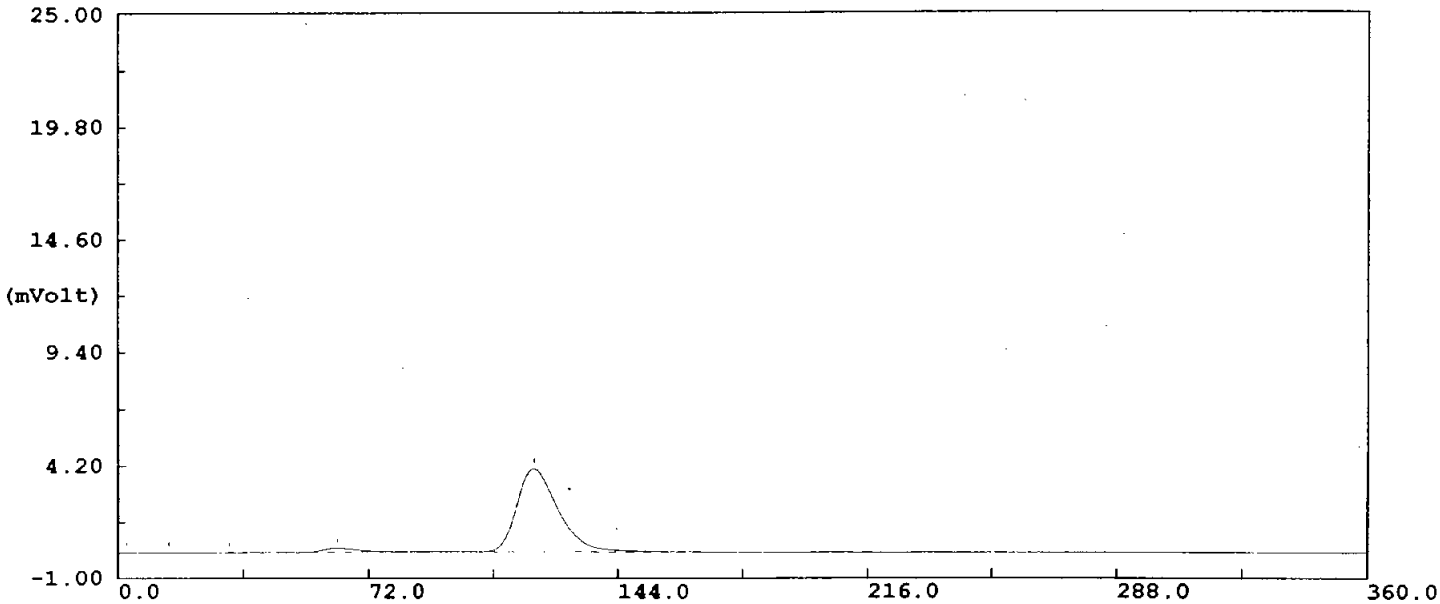
Sample ID : 599668 (# 48)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 4.469
Chromatogram : C:\EAW\N112448.DAT

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	1.3957	120	452379	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112449.DAT
Sample name :599669 Analysed :11-24-04 21:38

Eager 200 Report

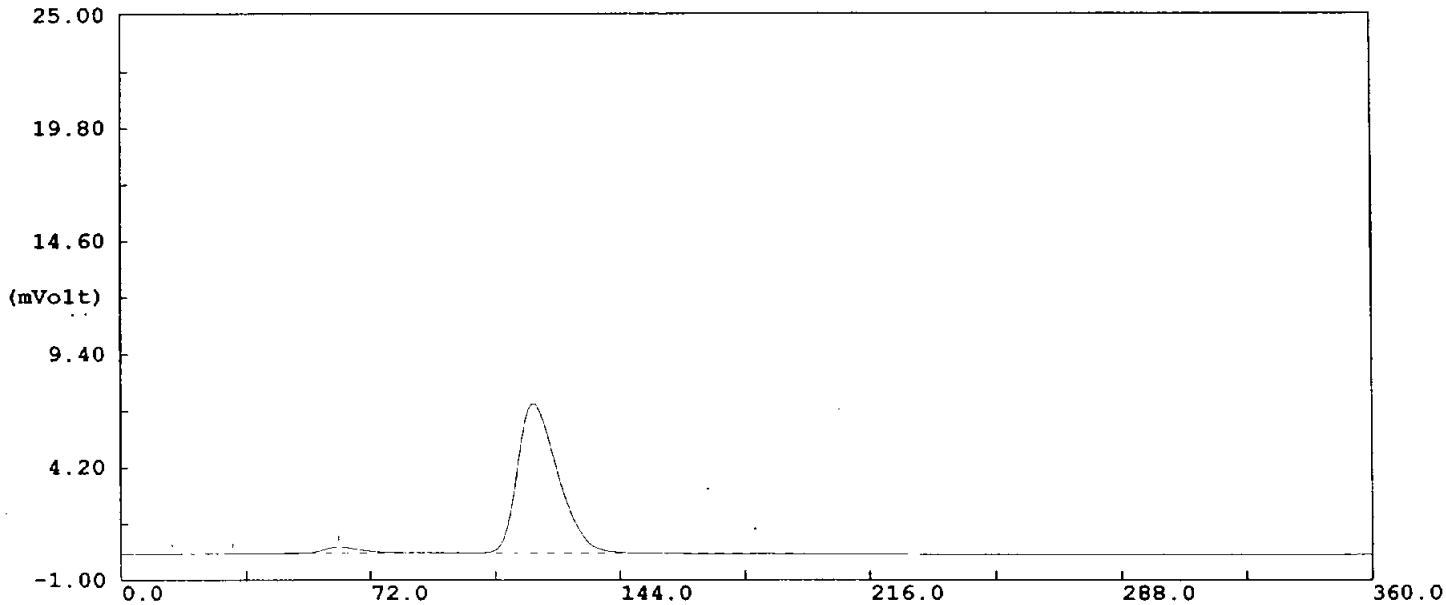
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 21:38	Printed	: 11/24/2004 21:44
Sample ID	: 599669 (# 49)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.304
Chromatogram	: C:\EAW\N112449.DAT		

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	1.3993	120	541346	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112450.DAT
Sample name :599669 Analysed :11-24-04 21:44

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 21:44
Printed : 11/24/2004 21:50

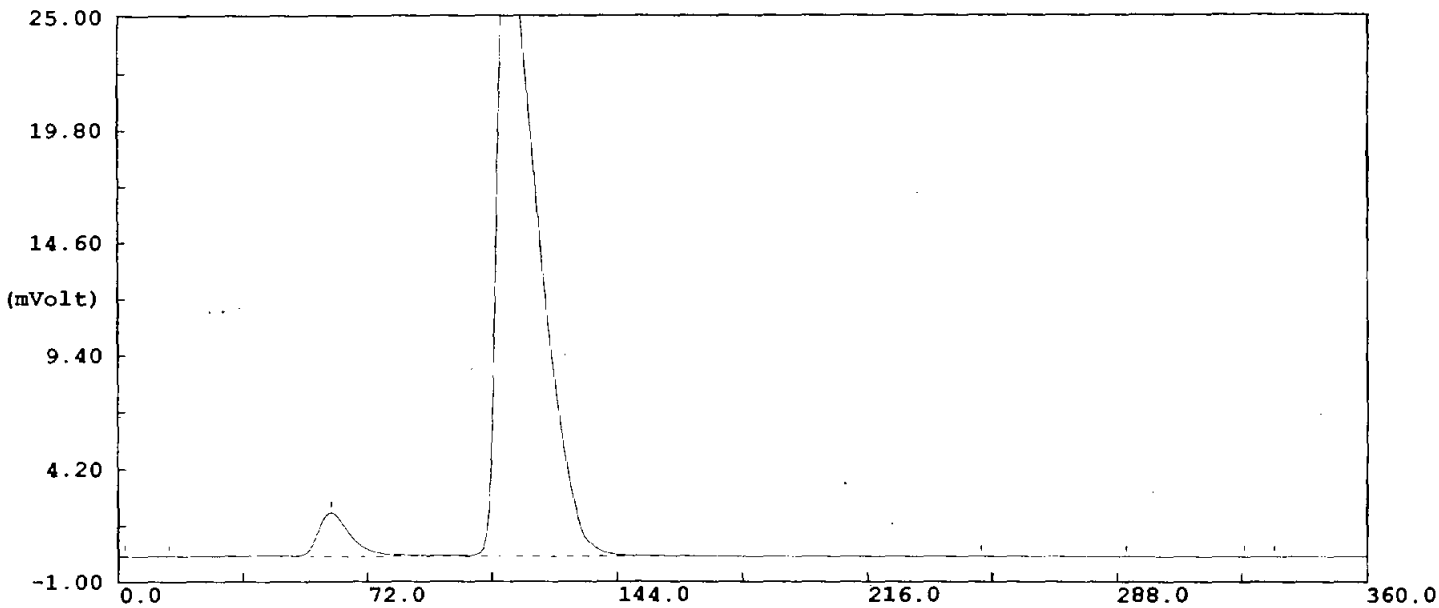
Sample ID : 599669 (# 50)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 7.979
Chromatogram : C:\EAW\N112450.DAT

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	1.5636	119	920830	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112451.DAT
Sample name :ACETANILIDE Analysed :11-24-04 21:50

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 21:50
Printed : 11/24/2004 21:56

Sample ID : ACETANILIDE (# 51)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : .708
Chromatogram : C:\EAW\N112451.DAT

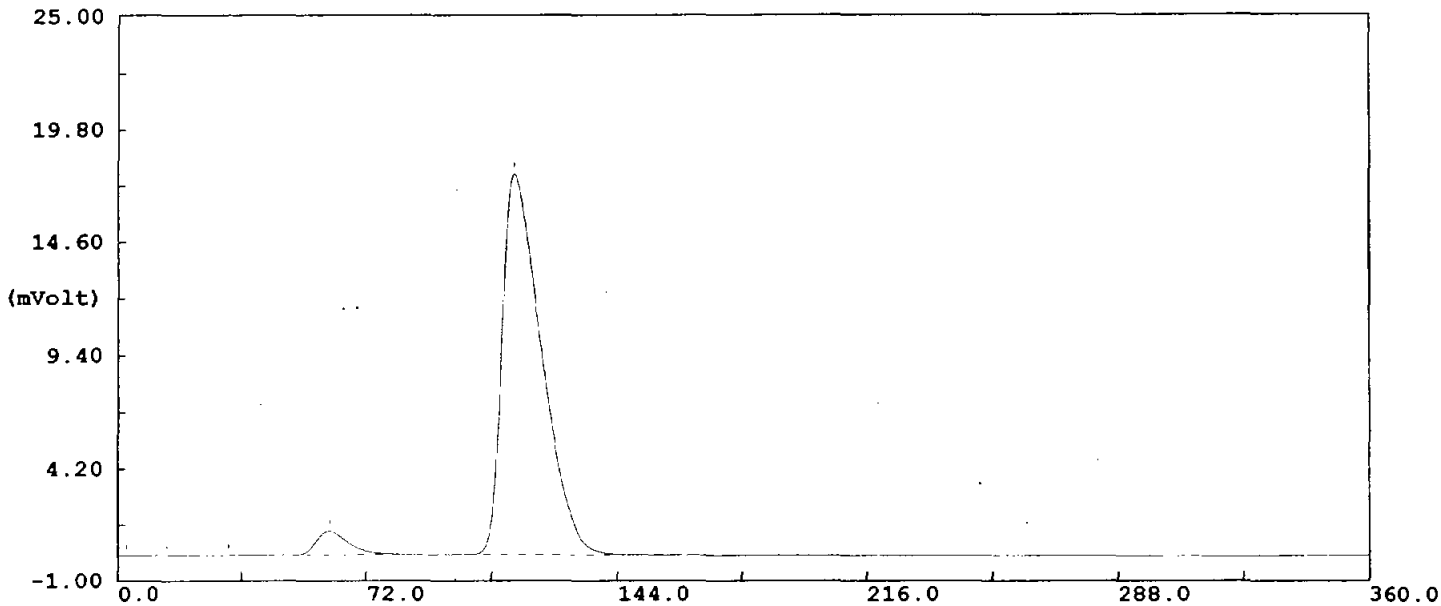
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	73.6196	113	3897883	FU	1.000000	

01397

Eager 200 Strip-Chart



Filename C:\EAW\N112452.DAT
Sample name :ACETANILIDE Analysed :11-24-04 21:56

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 21:56
Printed : 11/24/2004 22:02

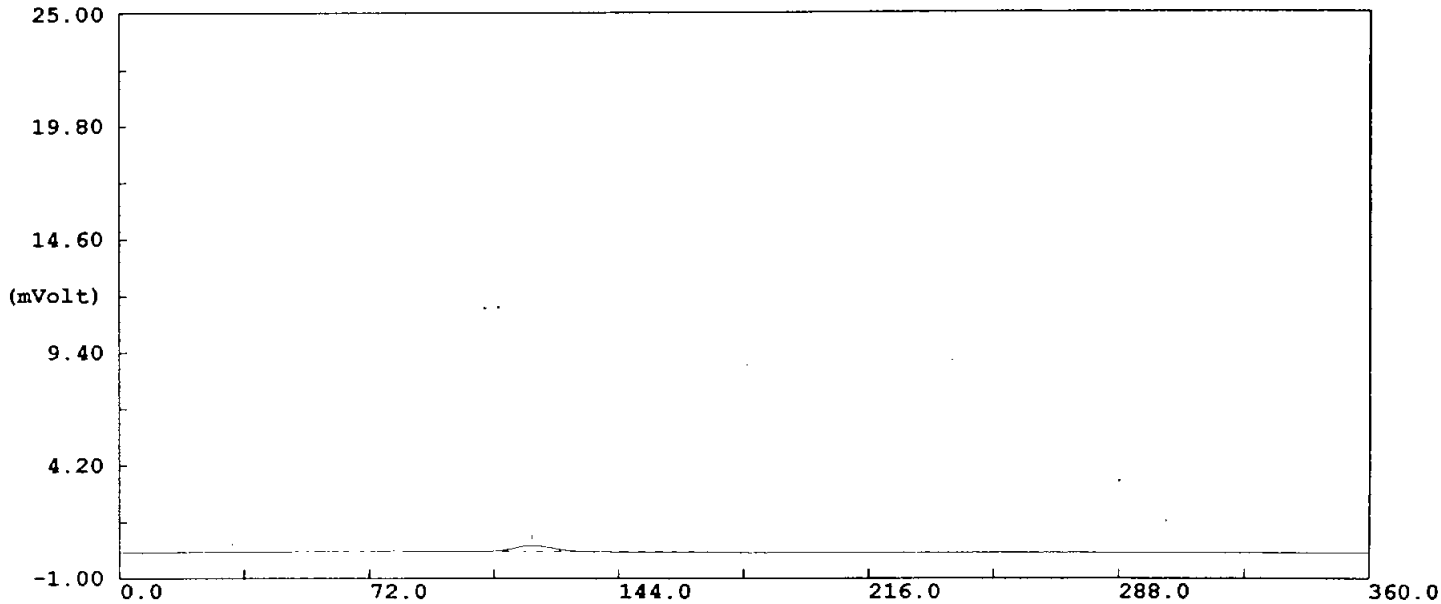
Sample ID : ACETANILIDE (# 52)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : .497
Chromatogram : C:\EAW\N112452.DAT

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	60.4598	115	2240353	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112453.DAT
Sample name :BLANK Analysed :11-24-04 22:02

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 22:02	Printed	: 11/24/2004 22:08

Sample ID	: BLANK (# 53)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N112453.DAT		

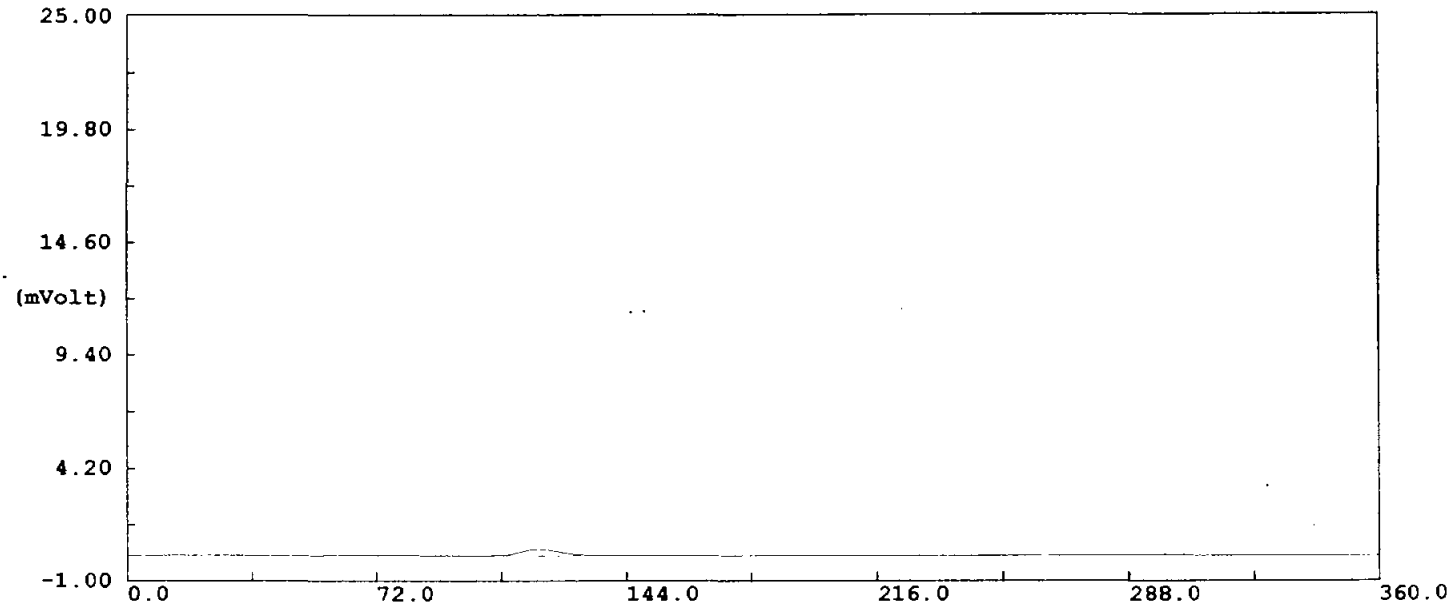
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0181	119	24898	RS	1.000000	

01398

Eager 200 Strip-Chart



Filename C:\EAW\N112454.DAT
Sample name :BLANK Analysed :11-24-04 22:08

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 22:08	Printed	: 11/24/2004 22:14

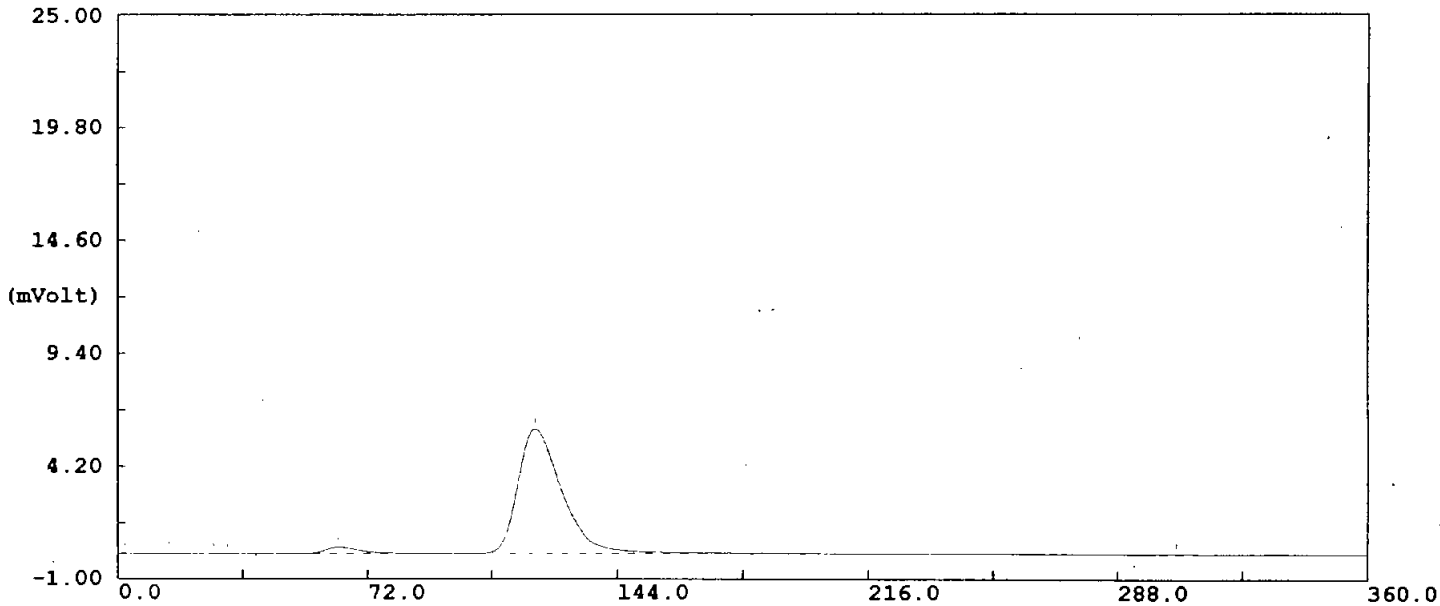
Sample ID	: BLANK (# 54)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N112454.DAT		

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	0.0233	119	36447	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112455.DAT
Sample name :599669 Analysed :11-24-04 22:14

Eager 200 Report

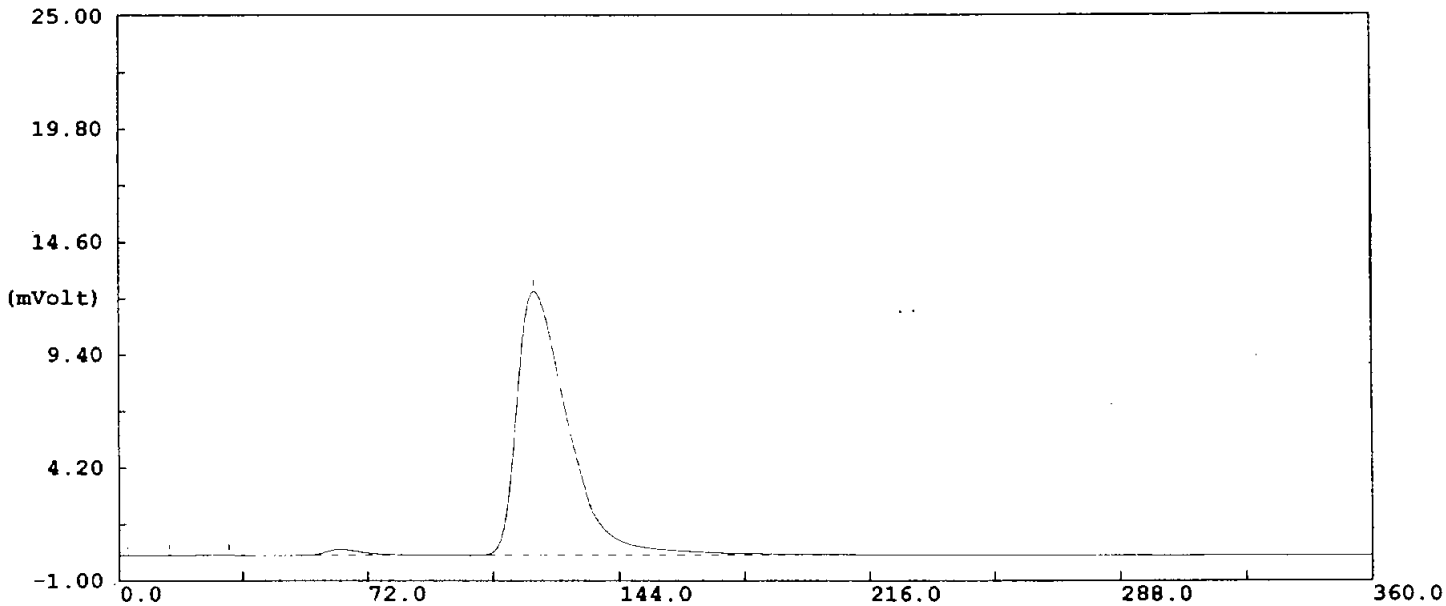
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 22:14	Printed	: 11/24/2004 22:20
Sample ID	: 599669 (# 55)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 7.586
Chromatogram	: C:\EAW\N112455.DAT		

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	1.4783	120	826108	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112456.DAT
Sample name :599669MS Analysed :11-24-04 22:20

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 22:20
Printed : 11/24/2004 22:26

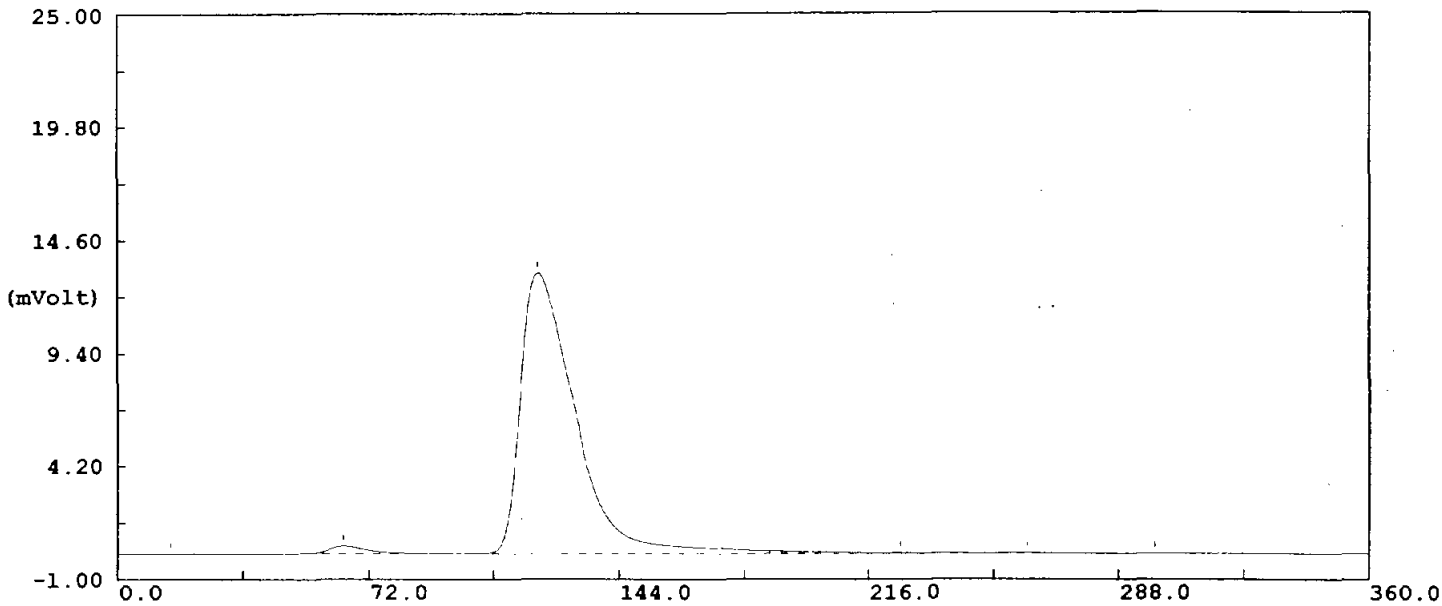
Sample ID : 599669MS (# 56)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 4.953
Chromatogram : C:\EAW\N112456.DAT

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	5.4766	120	2020871	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112457.DAT
Sample name :599669MS Analysed :11-24-04 22:26

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 22:26
Printed : 11/24/2004 22:32

Sample ID : 599669MS (# 57)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 7.745
Chromatogram : C:\EAW\N112457.DAT

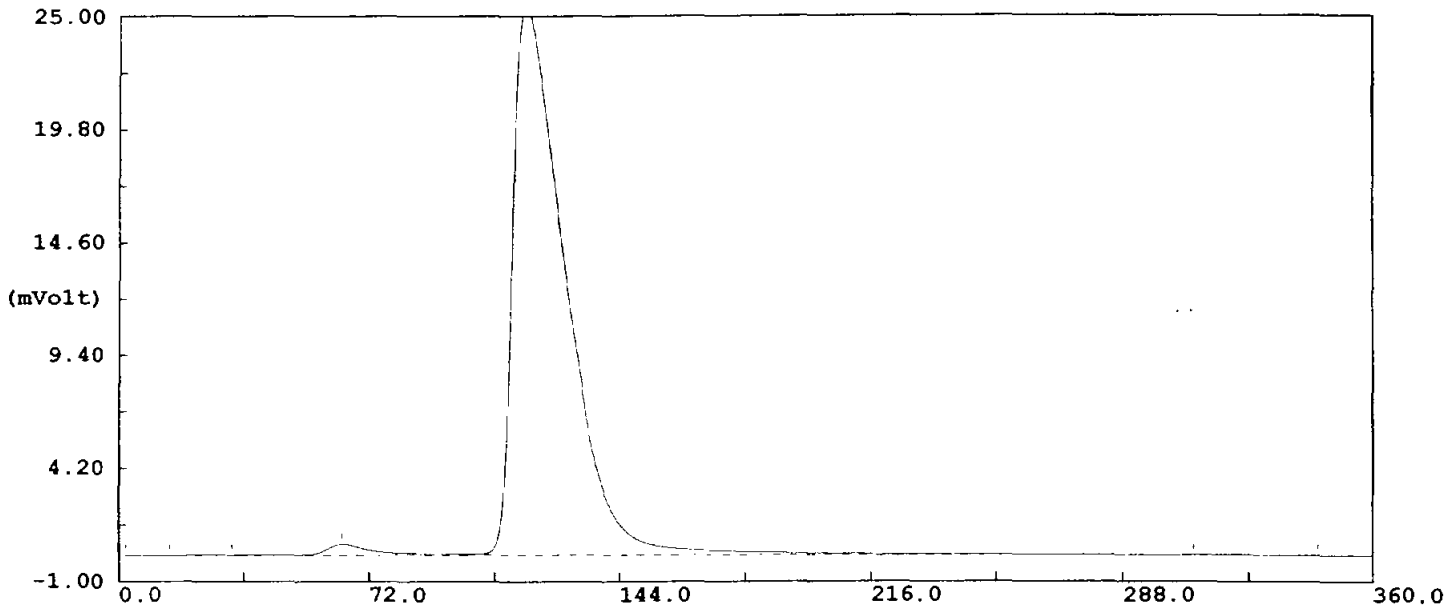
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	4.0221	121	2323131	TL	1.000000	

01400

Eager 200 Strip-Chart



Filename C:\EAW\N112458.DAT
Sample name :599669MS Analysed :11-24-04 22:32

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 22:32
Printed : 11/24/2004 22:38

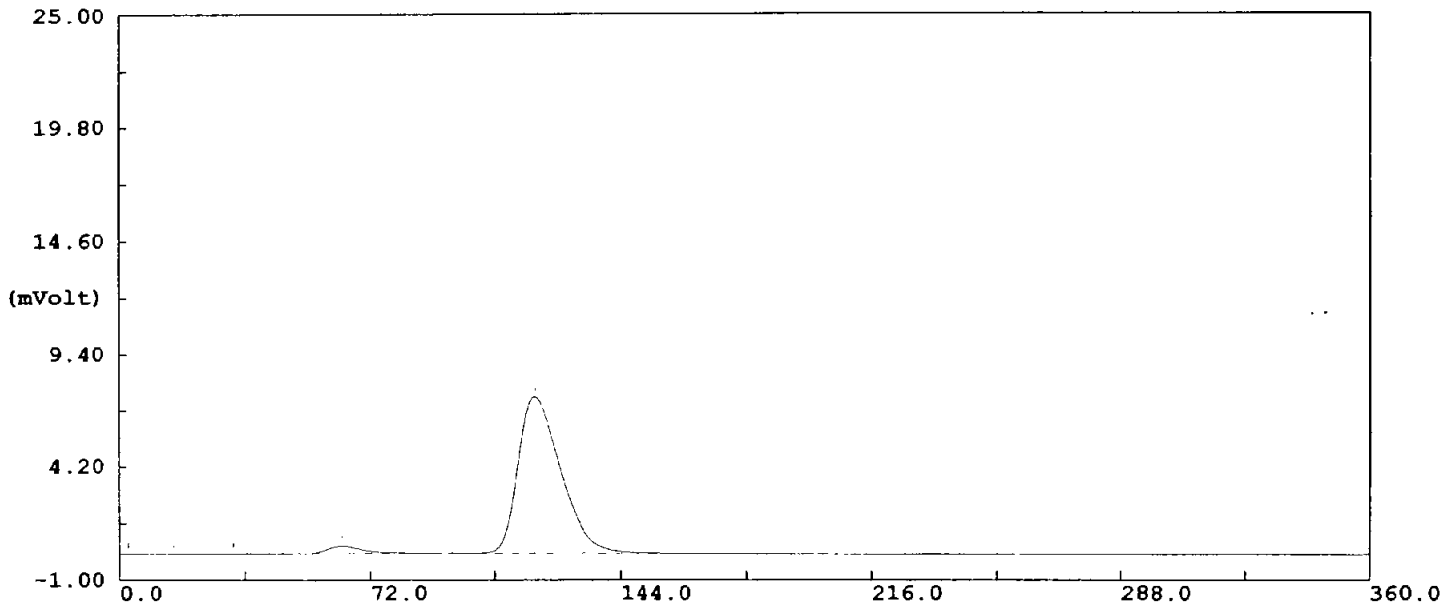
Sample ID : 599669MS (# 58)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 8.33
Chromatogram : C:\EAW\N112458.DAT

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	7.0580	117	4398764	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112459.DAT
Sample name :599669DP Analysed :11-24-04 22:38

Eager 200 Report

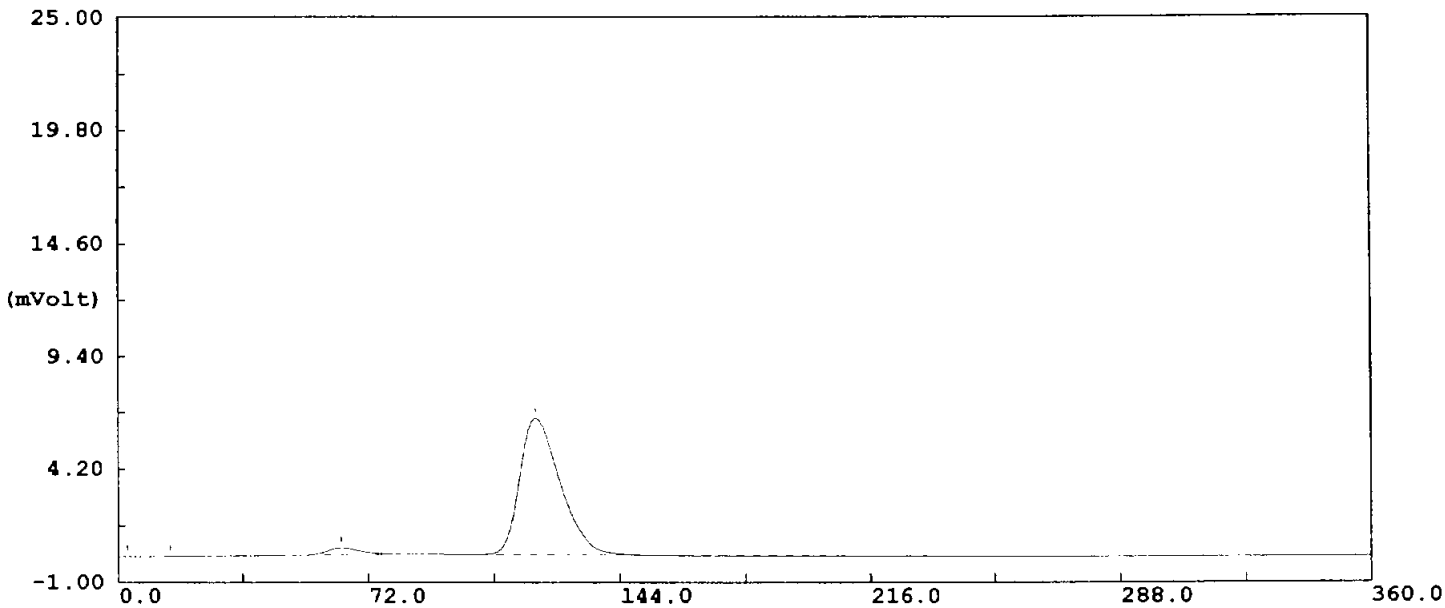
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 22:38	Printed	: 11/24/2004 22:44
Sample ID	: 599669DP (# 59)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.501
Chromatogram	: C:\EAW\N112459.DAT		

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	1.4114	120	990926	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112460.DAT
Sample name :599669DP Analysed :11-24-04 22:45

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 22:45
Printed : 11/24/2004 22:51

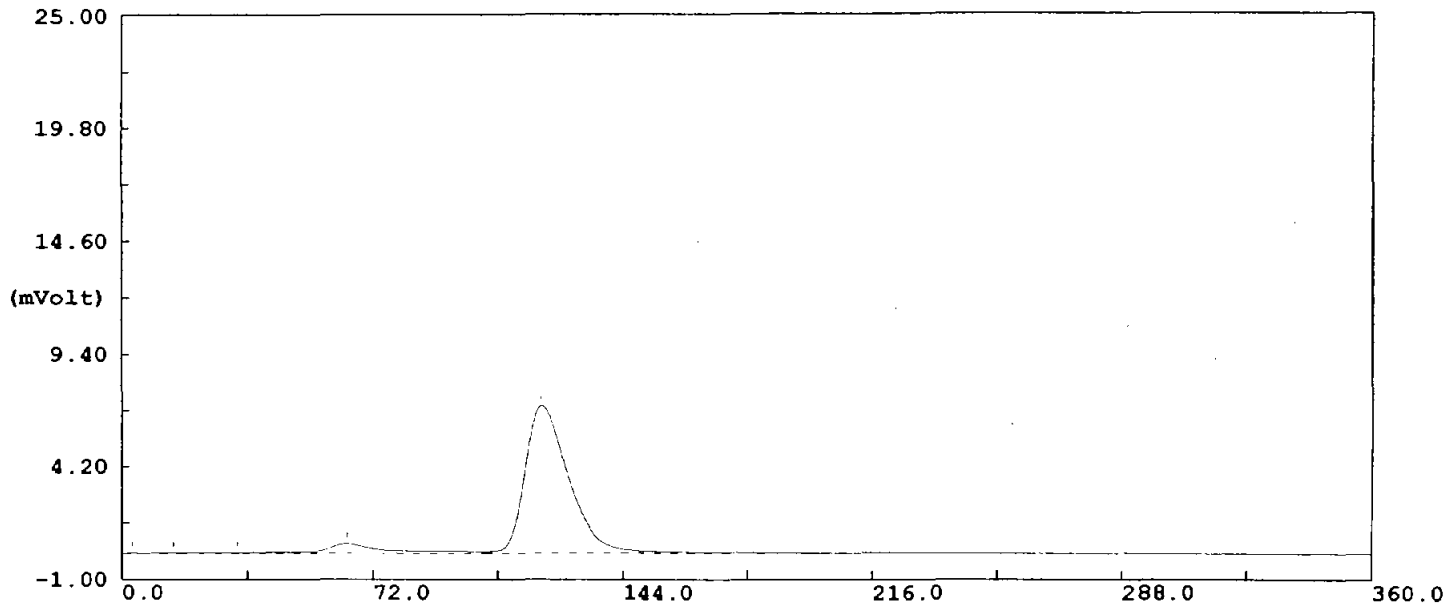
Sample ID : 599669DP (# 60)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 8.046
Chromatogram : C:\EAW\N112460.DAT

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	1.3894	120	823450	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112461.DAT
Sample name :599669DP Analysed :11-24-04 22:51

Eager 200 Report

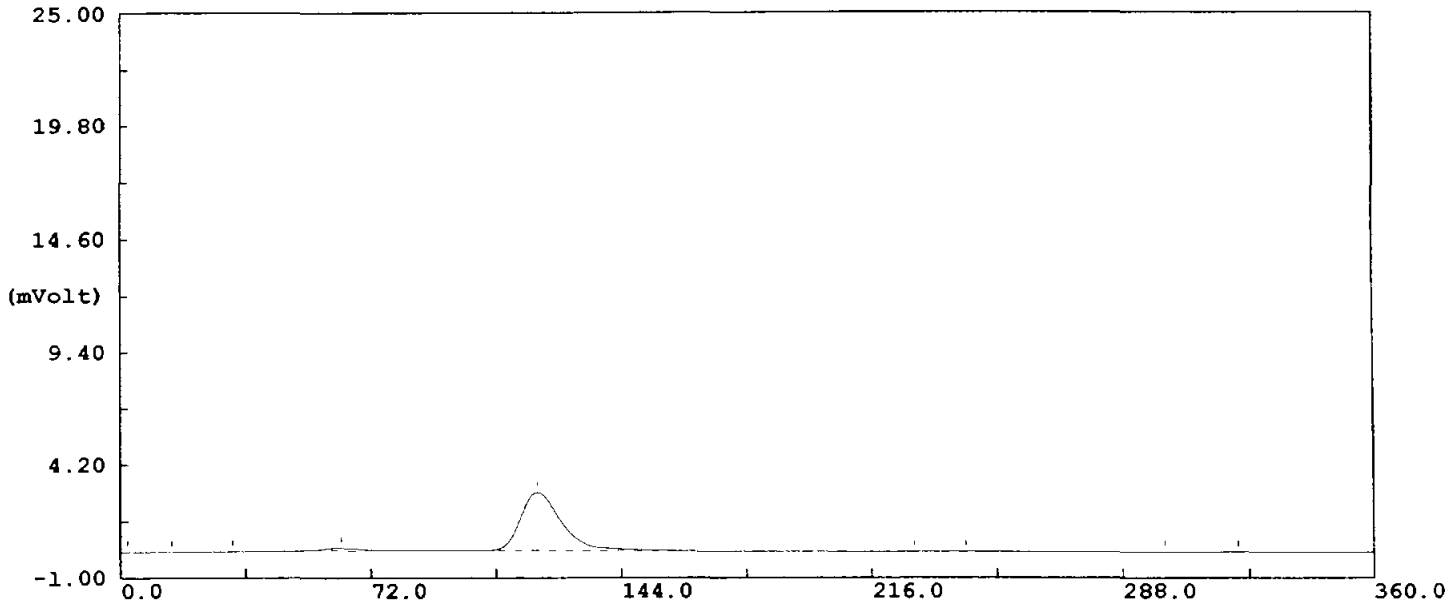
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 22:51	Printed	: 11/24/2004 22:57
Sample ID	: 599669DP (# 61)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 9.563
Chromatogram	: C:\EAW\N112461.DAT		

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	1.4135	121	999033	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112462.DAT
Sample name :599670 Analysed :11-24-04 22:57

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 22:57
Printed : 11/24/2004 23:03

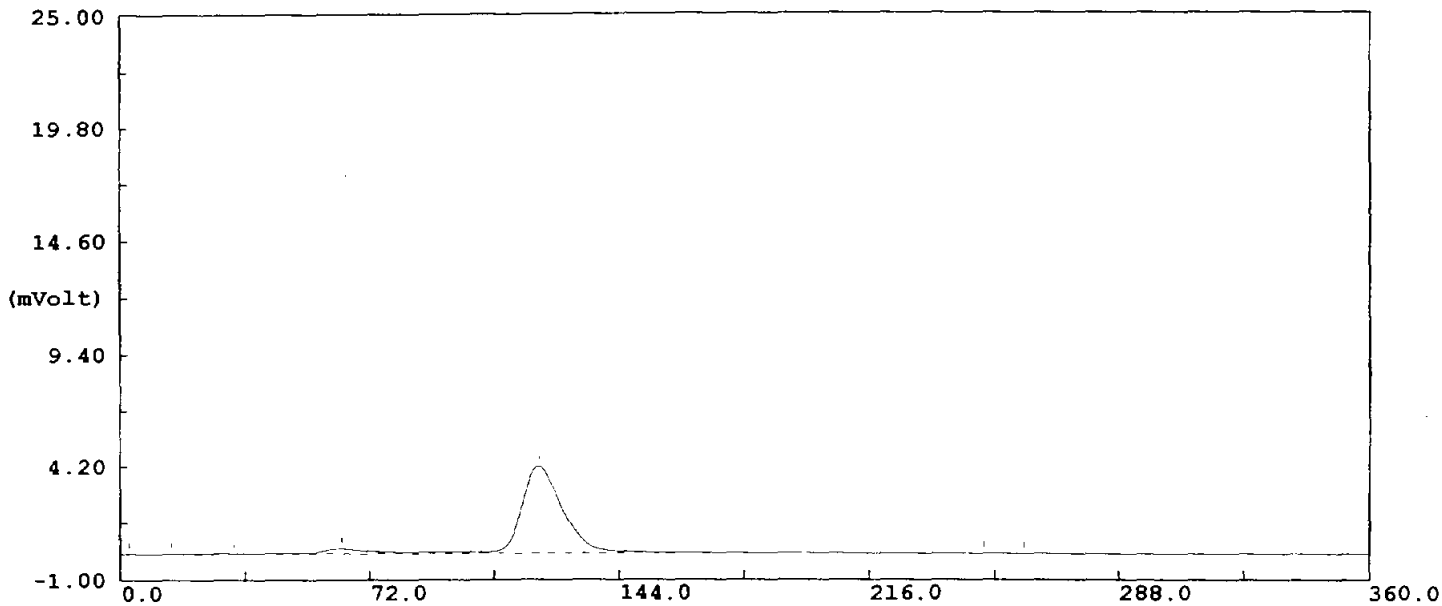
Sample ID : 599670 (# 62)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 3.906
Chromatogram : C:\EAW\N112462.DAT

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	1.3031	120	366237	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112463.DAT
Sample name :599670 Analysed :11-24-04 23:03

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 23:03	Printed	: 11/24/2004 23:09

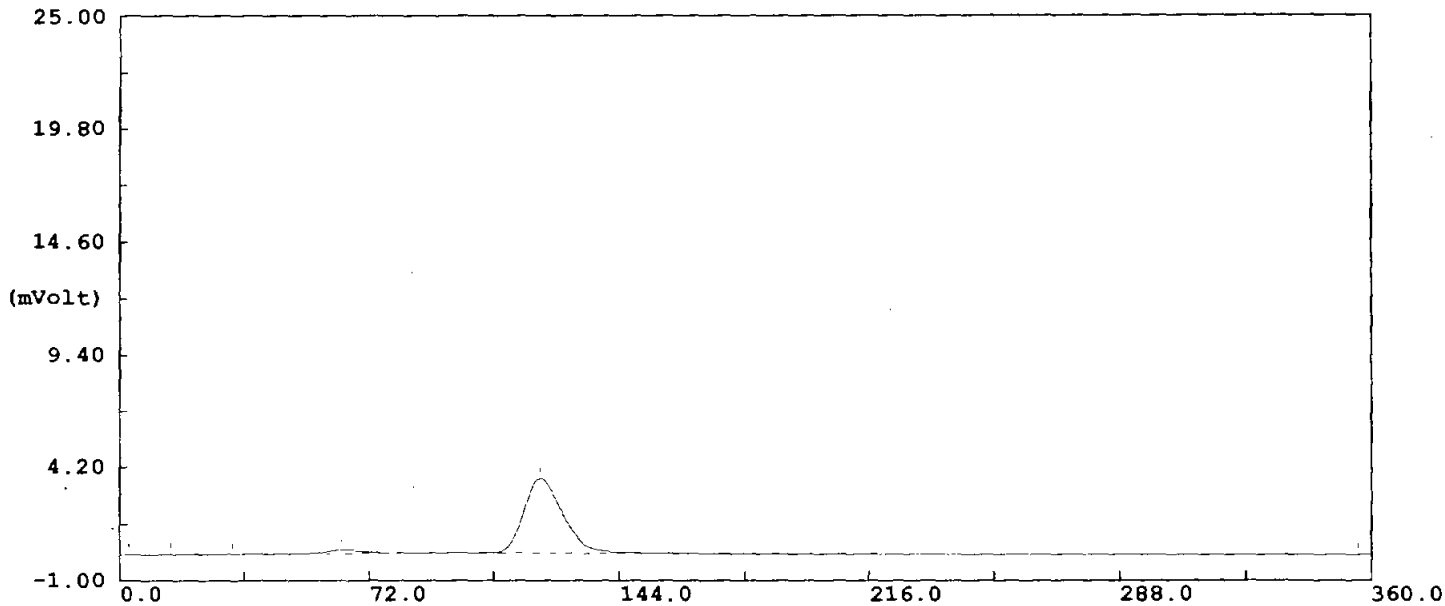
Sample ID	: 599670 (# 63)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 5.31
Chromatogram	: C:\EAW\N112463.DAT		

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	1.4059	121	544607	FU	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112464.DAT
Sample name :599670 Analysed :11-24-04 23:09

Eager 200 Report

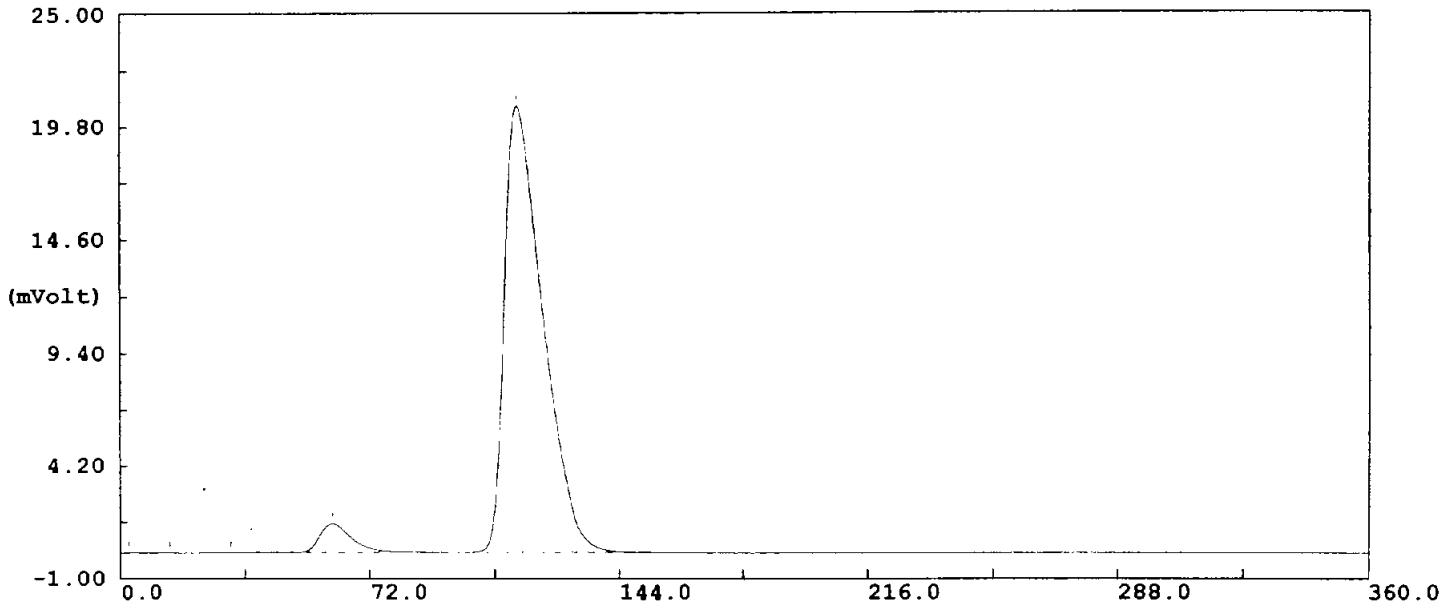
S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 23:09	Printed	: 11/24/2004 23:15
Sample ID	: 599670 (# 64)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.014
Chromatogram	: C:\EAW\N112464.DAT		

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	1.5170	121	441254	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112465.DAT
Sample name :ACETANILIDE Analysed :11-24-04 23:15

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 23:15	Printed	: 11/24/2004 23:21

Sample ID	: ACETANILIDE (# 65)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .47
Chromatogram	: C:\EAW\N112465.DAT		

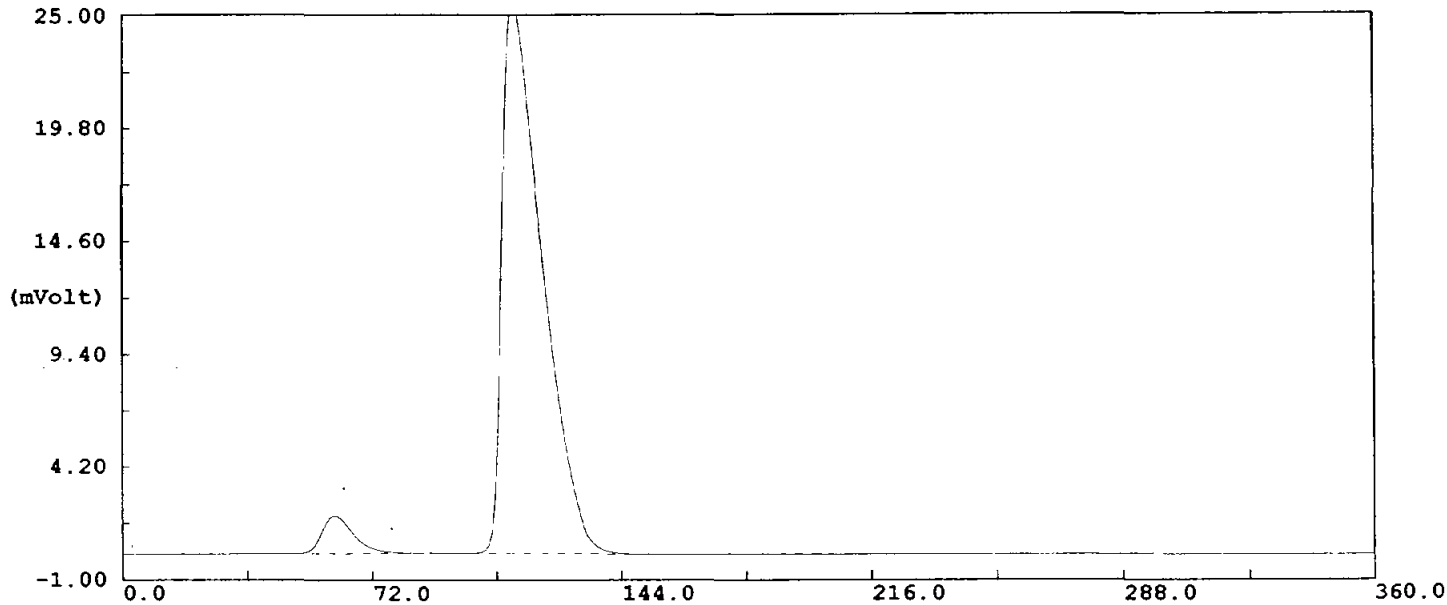
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	75.0895	114	2634086	RS	1.000000	

014004

Eager 200 Strip-Chart



Filename C:\EAW\N112466.DAT
Sample name :ACETANILIDE Analysed :11-24-04 23:21

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 23:21	Printed	: 11/24/2004 23:27

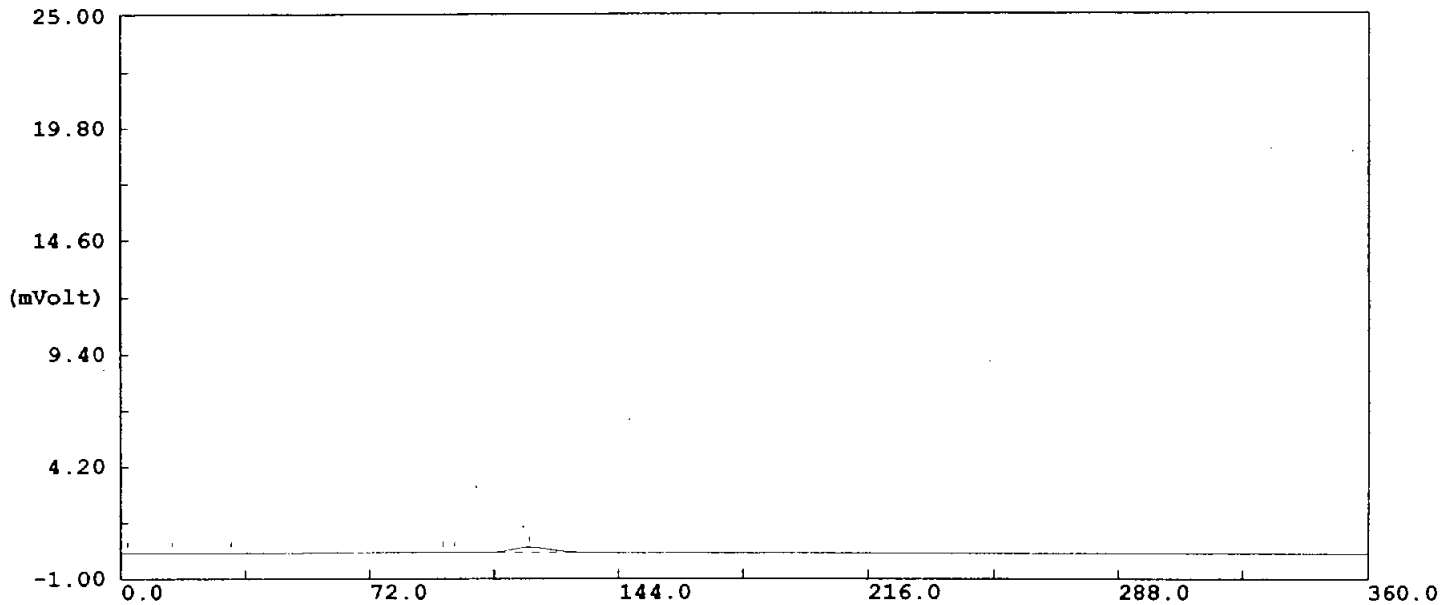
Sample ID	: ACETANILIDE (# 66)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .609
Chromatogram	: C:\EAW\N112466.DAT		

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	72.7053	113	3308797	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112467.DAT
Sample name :BLANK Analysed :11-24-04 23:27

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 23:27	Printed	: 11/24/2004 23:33

Sample ID	: BLANK (# 67)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 30
Chromatogram	: C:\EAW\N112467.DAT		

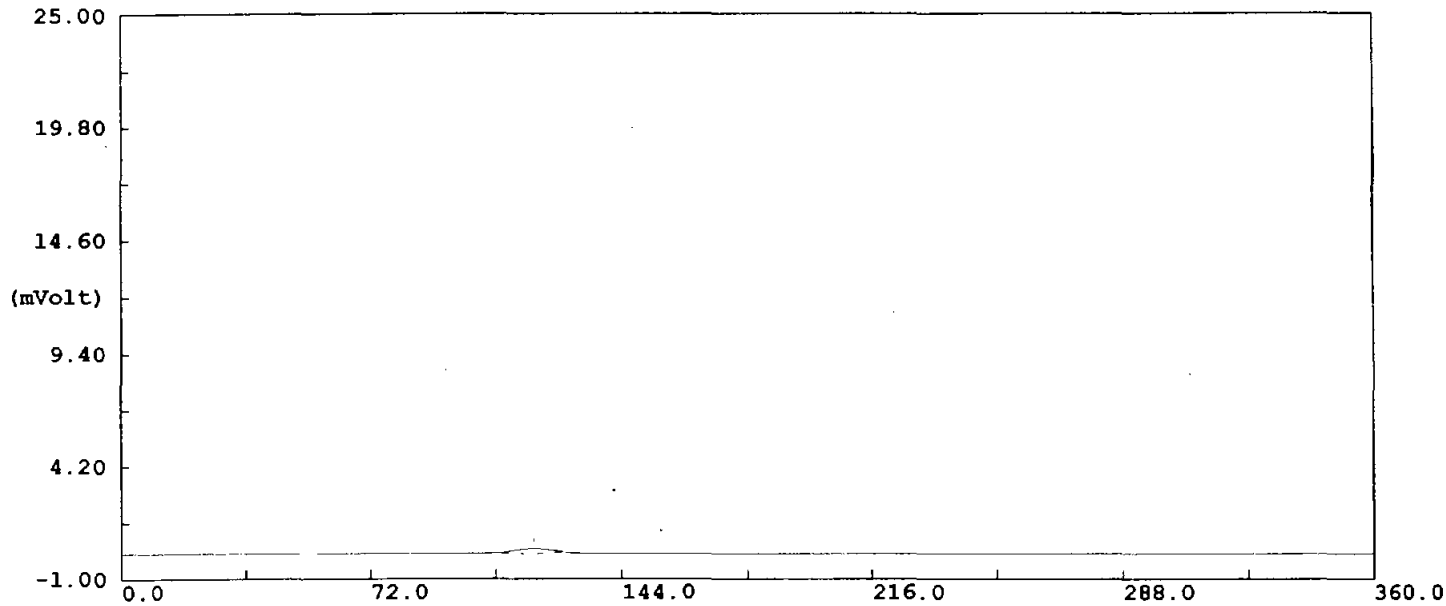
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0206	118	30449	RS	1.000000	

01405

Eager 200 Strip-Chart



Filename C:\EAW\N112468.DAT
Sample name :BLANK Analysed :11-24-04 23:33

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 23:33
Printed : 11/24/2004 23:39

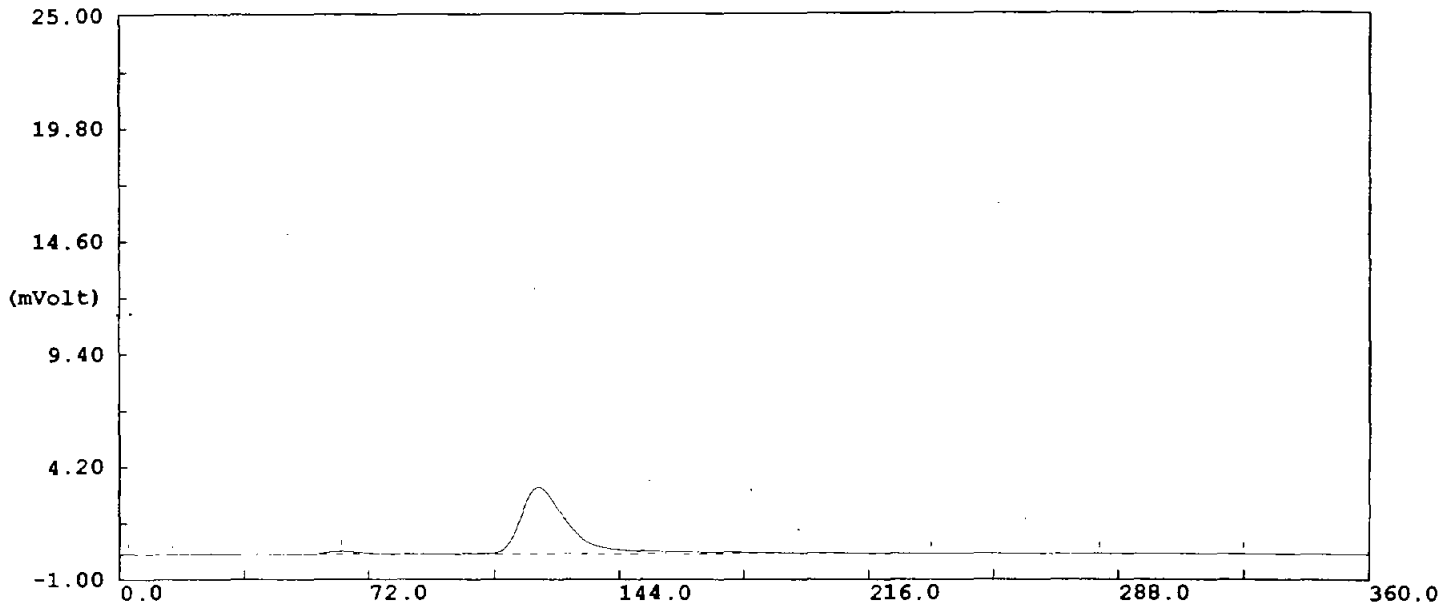
Sample ID : BLANK (# 68)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 30
Chromatogram : C:\EAW\N112468.DAT

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	0.0174	119	23266	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112469.DAT
Sample name :599671 Analysed :11-24-04 23:39

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 23:39
Printed : 11/24/2004 23:45

Sample ID : 599671 (# 69)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 5.793
Chromatogram : C:\EAW\N112469.DAT

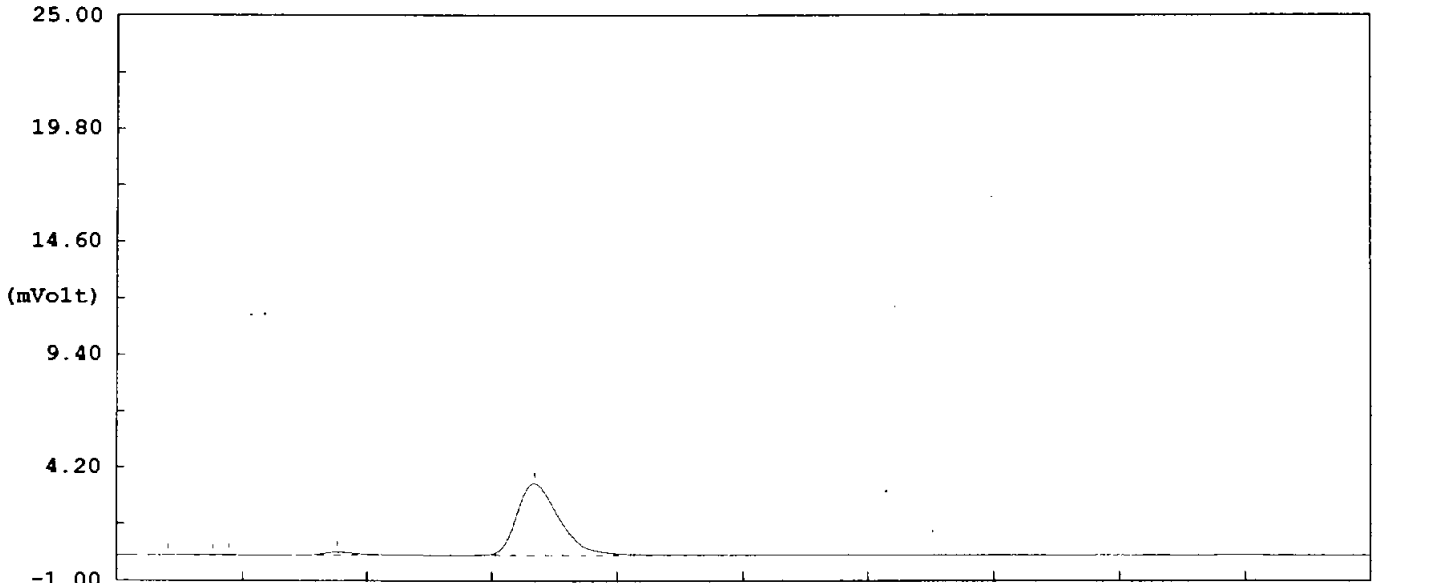
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.1884	121	500968	TL	1.000000	

01406

Eager 200 Strip-Chart



Filename C:\EAW\N112470.DAT
Sample name :599671 Analysed :11-24-04 23:45

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 23:45	Printed	: 11/24/2004 23:51

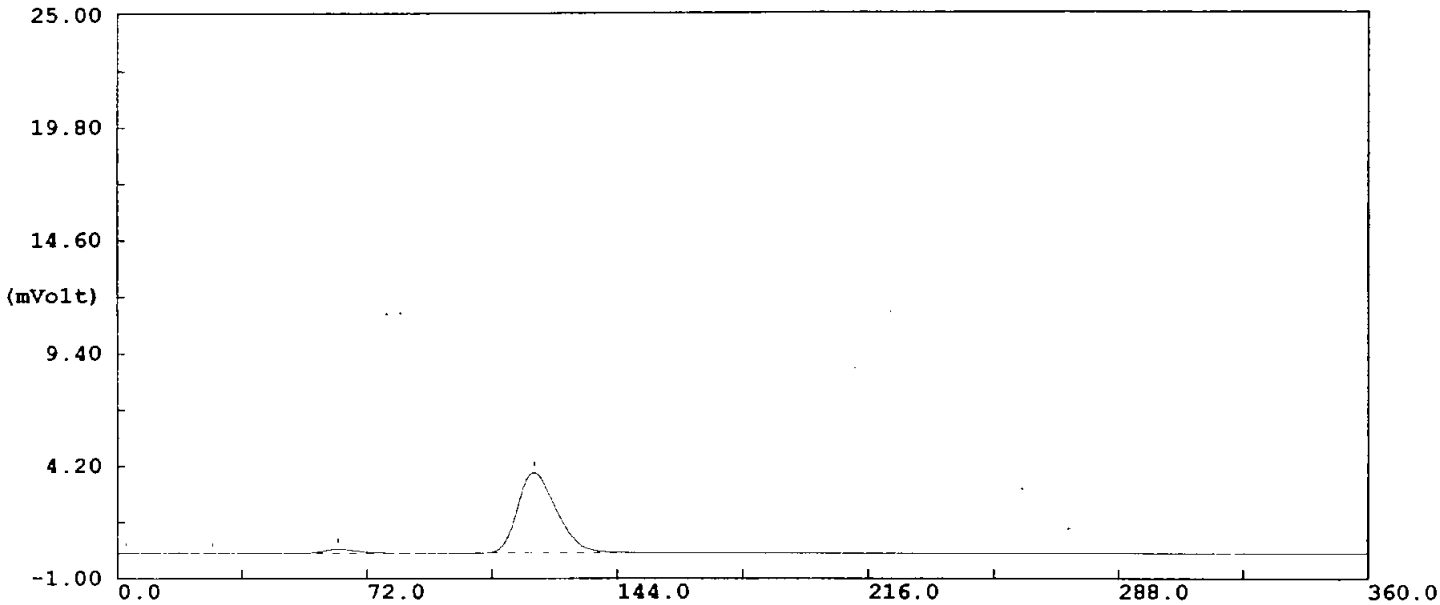
Sample ID	: 599671 (# 70)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.892
Chromatogram	: C:\EAW\N112470.DAT		

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	1.2707	120	450810	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112471.DAT
Sample name :599671 Analysed :11-24-04 23:51

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-24-04 23:51	Printed	: 11/24/2004 23:58

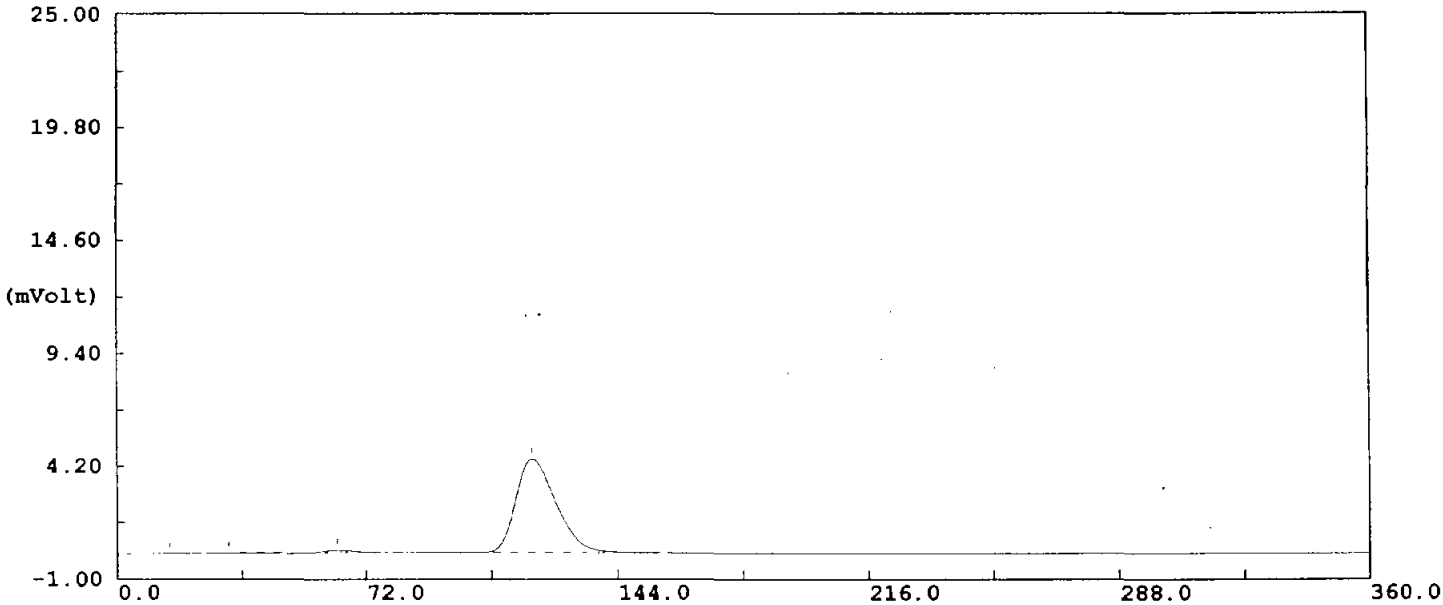
Sample ID	: 599671 (# 71)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 4.176
Chromatogram	: C:\EAW\N112471.DAT		

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	1.5466	120	468990	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112472.DAT
Sample name :599672 Analysed :11-24-04 23:58

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-24-04 23:58
Printed : 11/25/2004 00:04

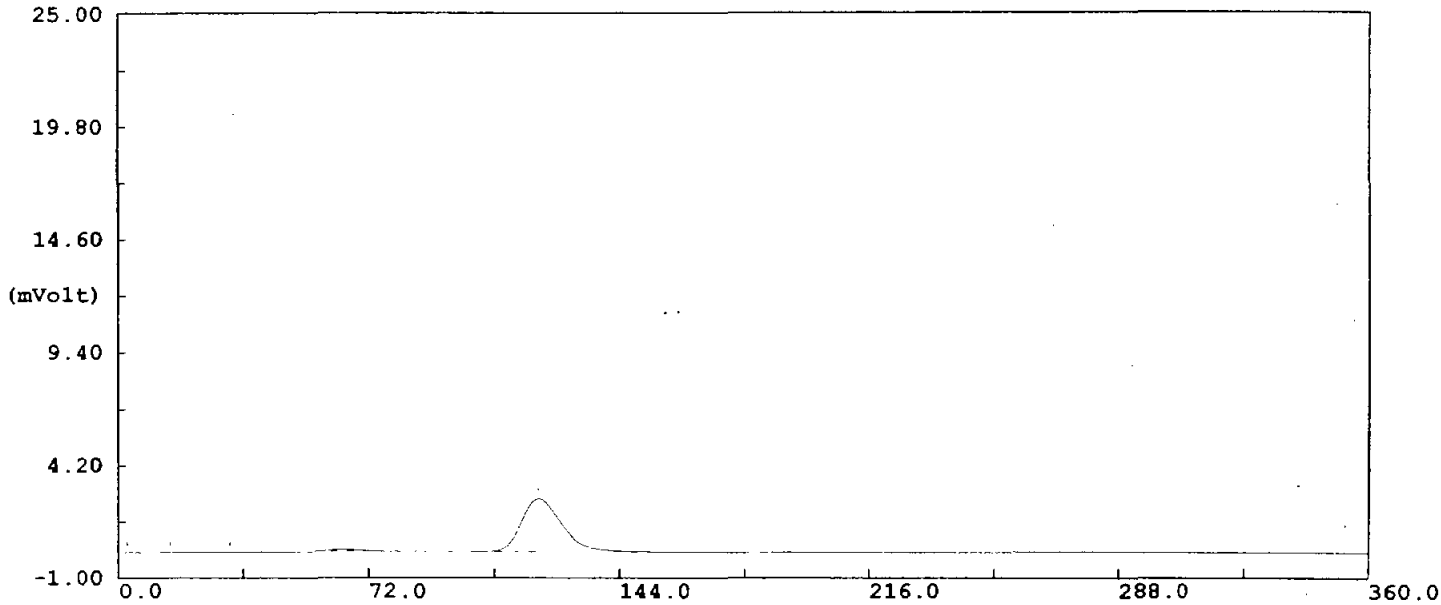
Sample ID : 599672 (# 72)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 5.173
Chromatogram : C:\EAW\N112472.DAT

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	1.4718	120	555728	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112473.DAT
Sample name :599672 Analysed :11-25-04 00:04

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 00:04
Printed : 11/25/2004 00:10

Sample ID : 599672 (# 73)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 4.859
Chromatogram : C:\EAW\N112473.DAT

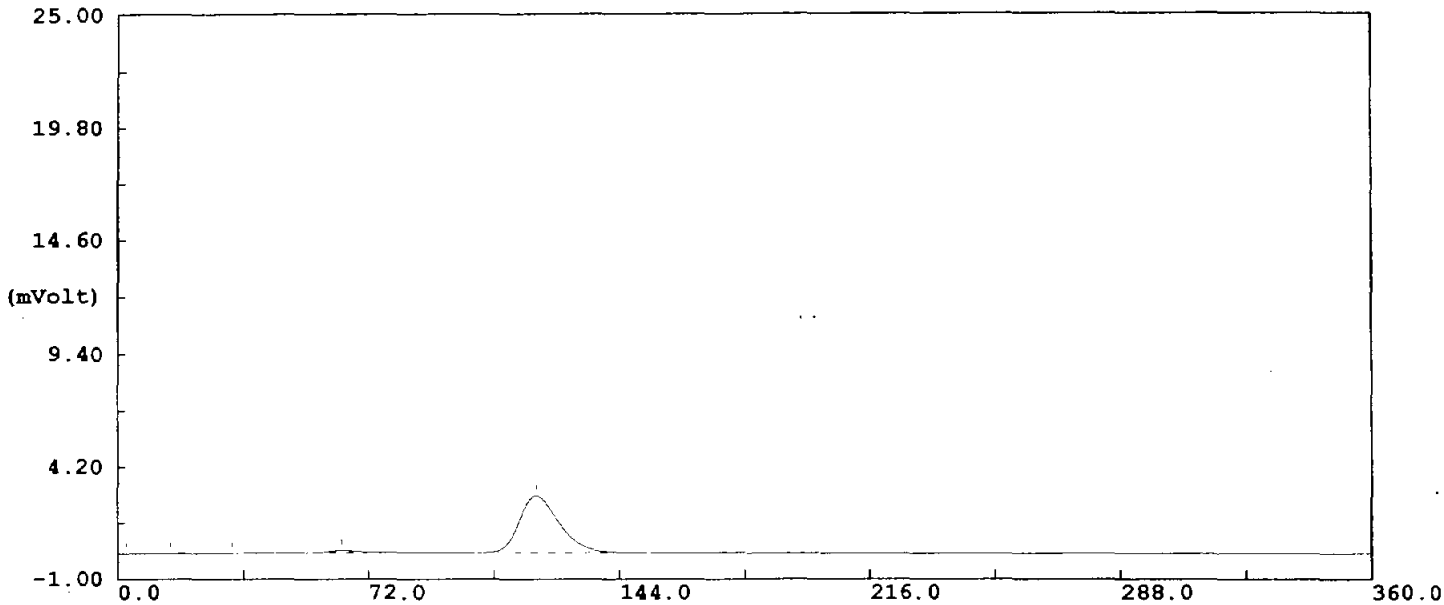
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.9396	121	326840	RS	1.000000	

01408

Eager 200 Strip-Chart



Filename C:\EAW\N112474.DAT
Sample name :599672 Analysed :11-25-04 00:10

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 00:10
Printed : 11/25/2004 00:16

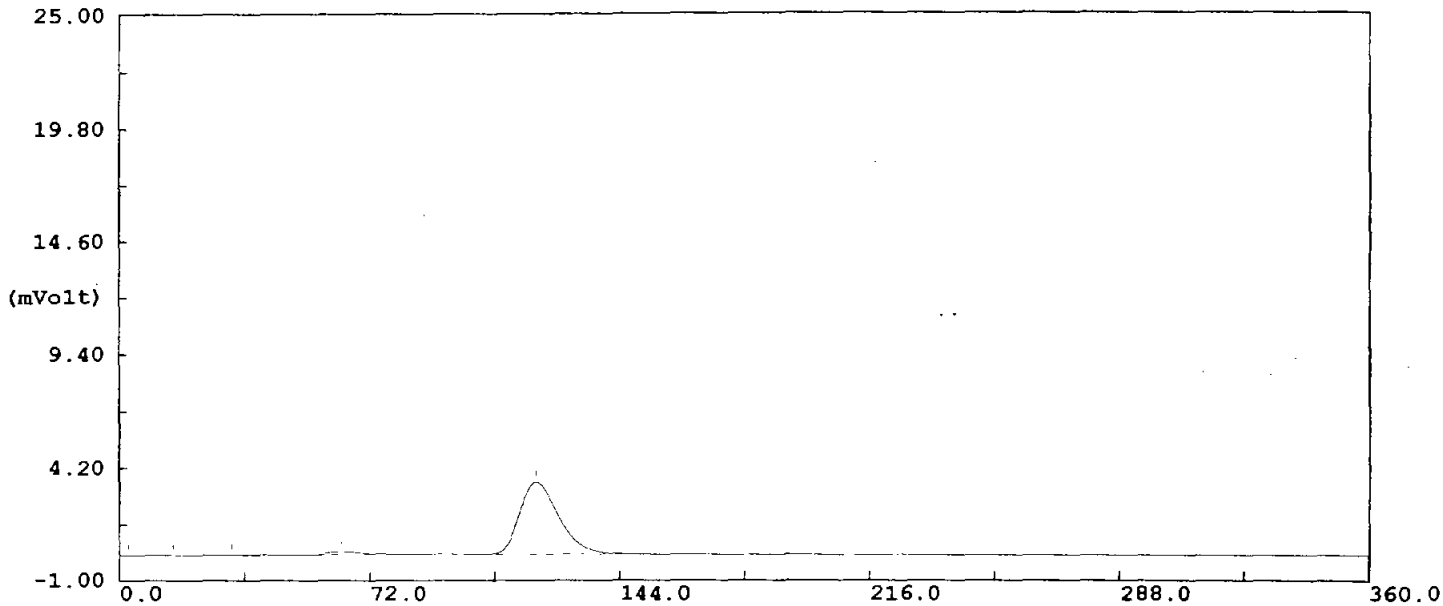
Sample ID : 599672 (# 74)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 5.949
Chromatogram : C:\EAW\N112474.DAT

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	0.8011	121	341909	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112475.DAT
Sample name :599673 Analysed :11-25-04 00:16

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 00:16
Printed : 11/25/2004 00:22

Sample ID : 599673 (# 75)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 8.337
Chromatogram : C:\EAW\N112475.DAT

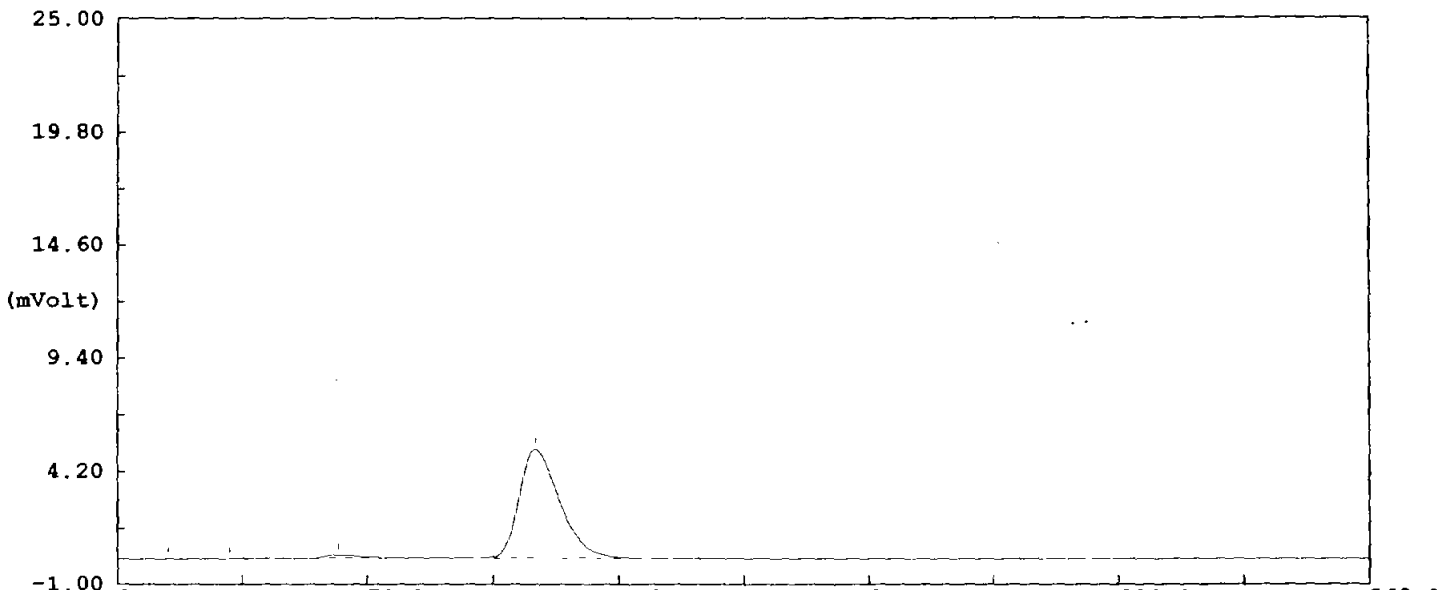
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.7184	120	433785	RS	1.000000	

01409

Eager 200 Strip-Chart



Filename C:\EAW\N112476.DAT
Sample name :599673 Analysed :11-25-04 00:22

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-25-04 00:22	Printed	: 11/25/2004 00:28

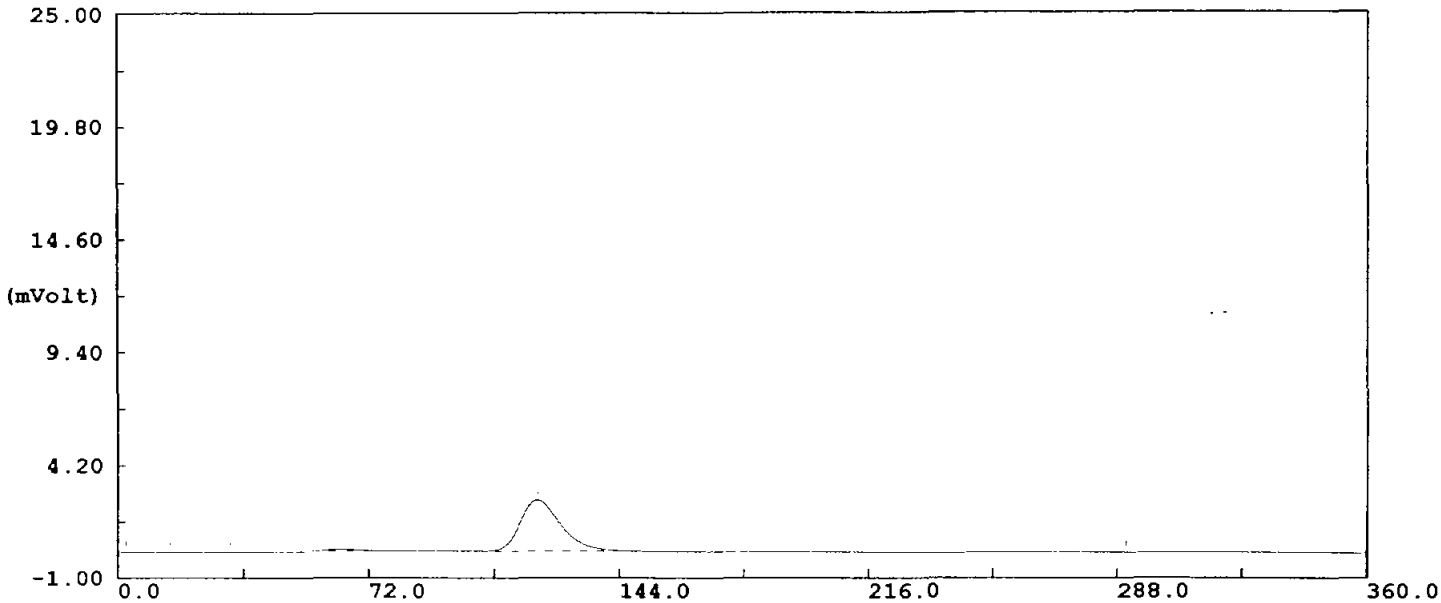
Sample ID	: 599673 (# 76)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: 6.134
Chromatogram	: C:\EAW\N112476.DAT		

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	1.4848	121	667932	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112477.DAT
Sample name :599673 Analysed :11-25-04 00:28

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 00:28
Printed : 11/25/2004 00:34

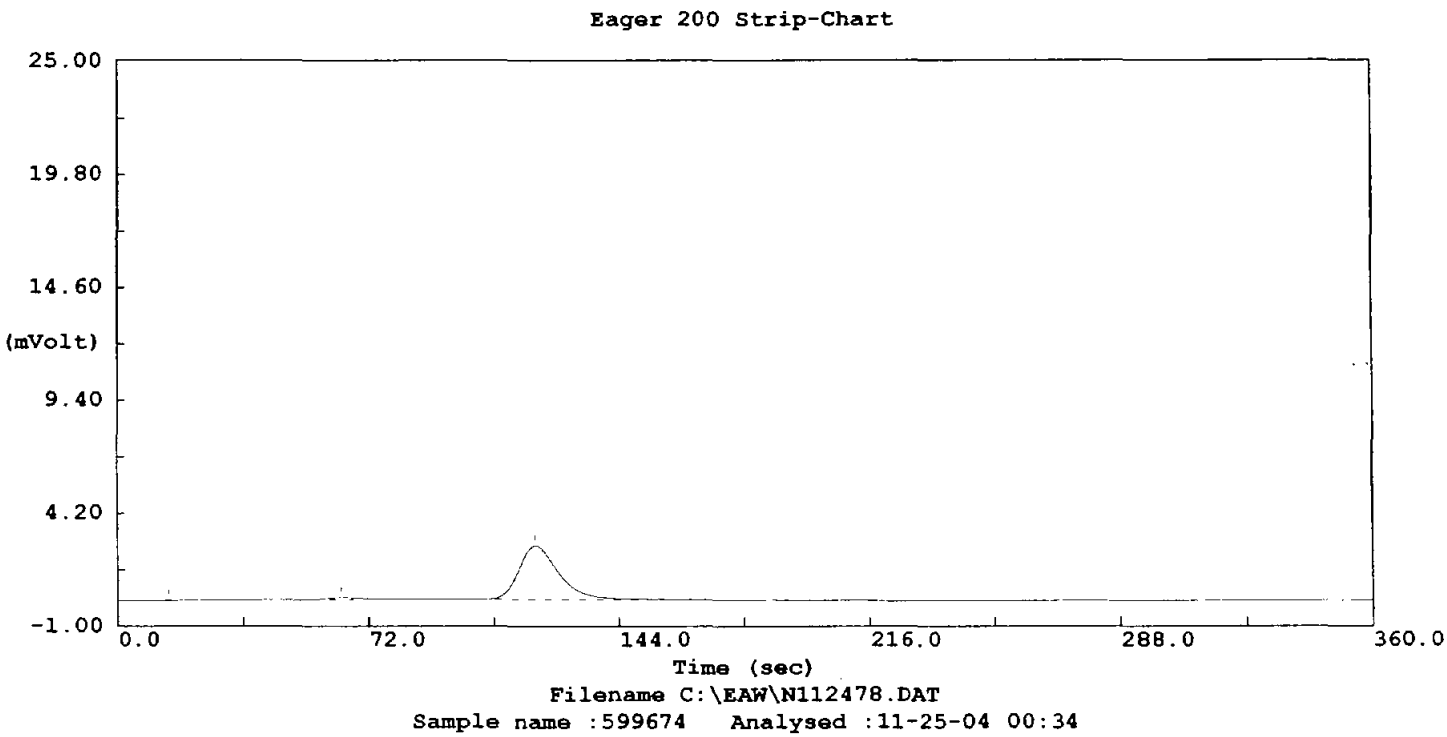
Sample ID : 599673 (# 77)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 5.728
Chromatogram : C:\EAW\N112477.DAT

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	0.7819	121	320356	RS	1.000000	

01410



Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 00:34
Printed : 11/25/2004 00:40

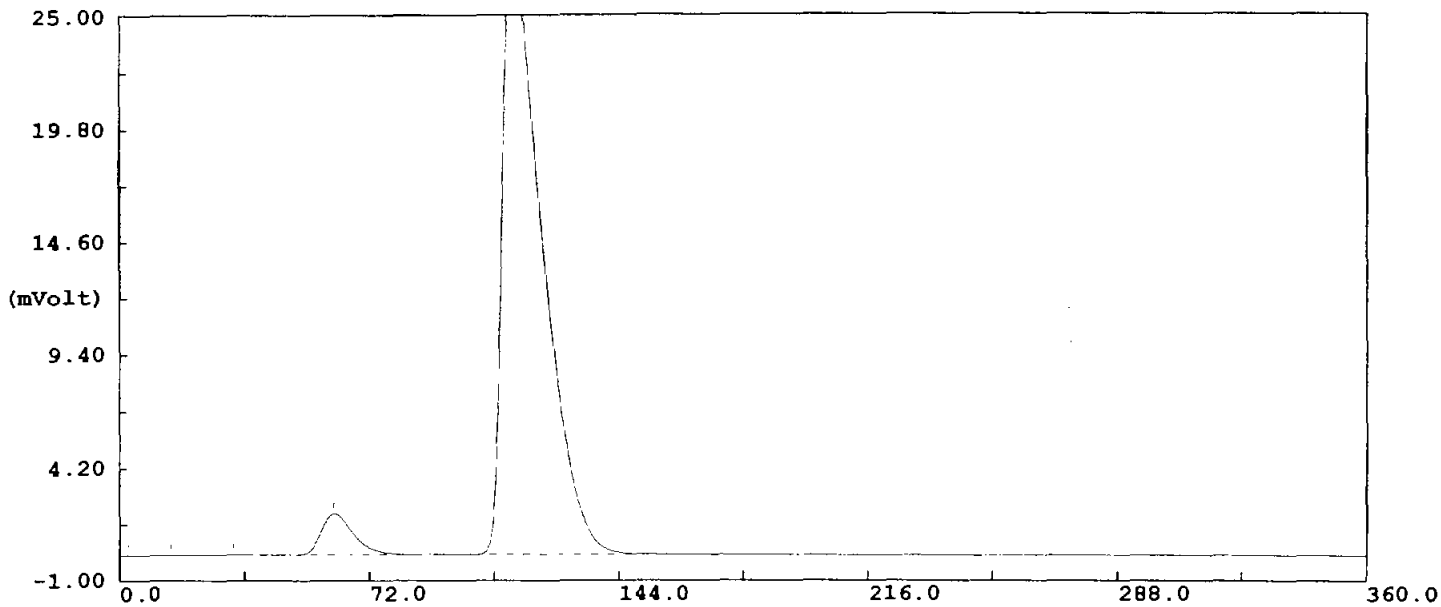
Sample ID : 599674 (# 78)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 4.363
Chromatogram : C:\EAW\N112478.DAT

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	1.0544	120	329481	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112479.DAT
Sample name :ACETANILIDE Analysed :11-25-04 00:40

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-25-04 00:40	Printed	: 11/25/2004 00:46
Sample ID	: ACETANILIDE (# 79)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .667
Chromatogram	: C:\EAW\N112479.DAT		

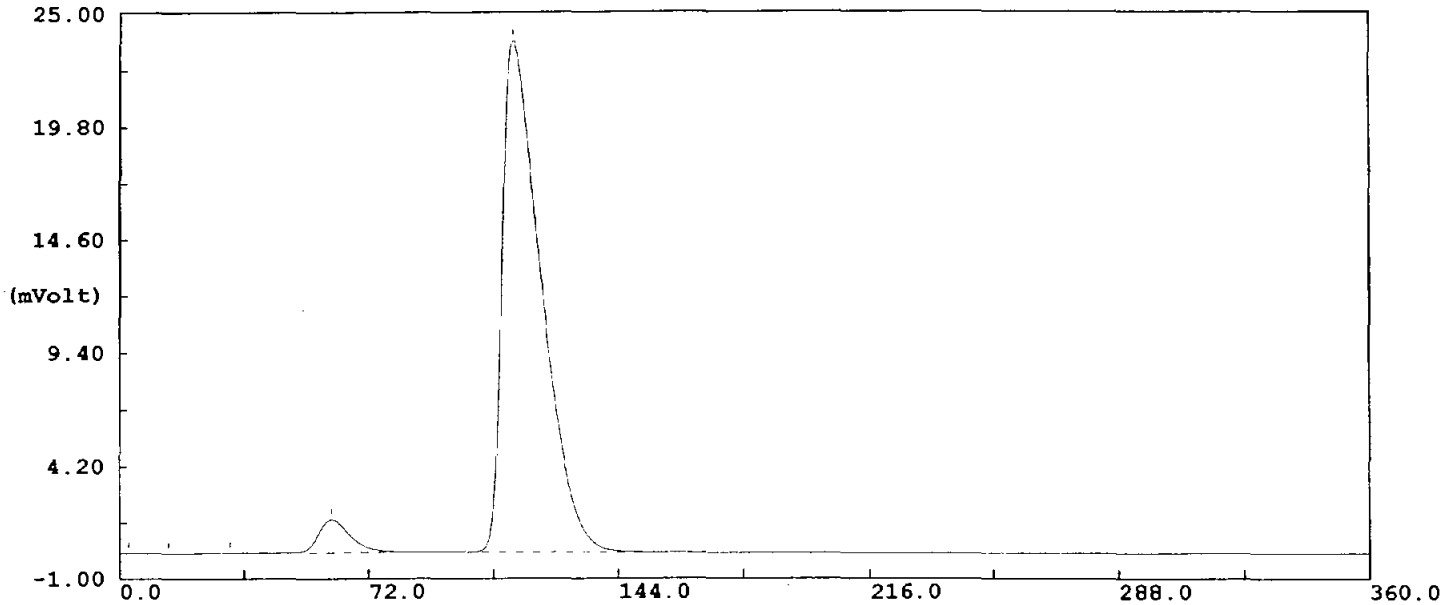
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	74.8436	114	3732537	RS	1.000000	

01411

Eager 200 Strip-Chart



Filename C:\EAW\N112480.DAT
Sample name :ACETANILIDE Analysed :11-25-04 00:46

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-25-04 00:46	Printed	: 11/25/2004 00:52

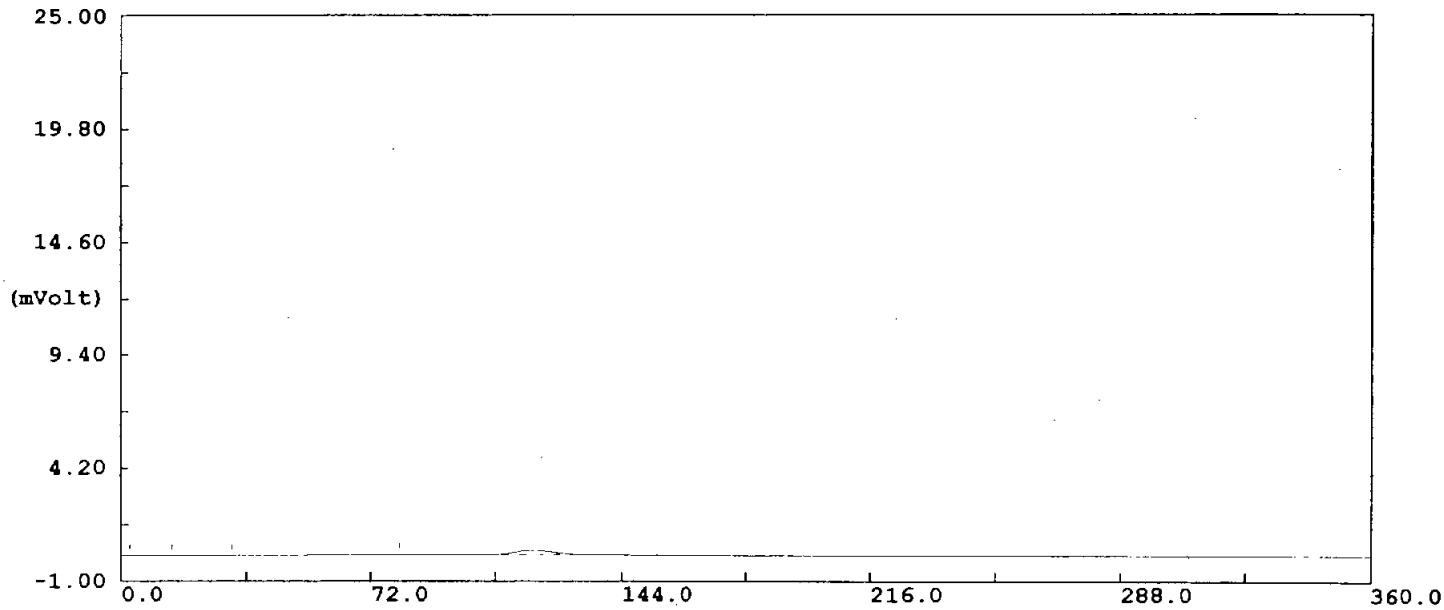
Sample ID	: ACETANILIDE (# 80)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .562
Chromatogram	: C:\EAW\N112480.DAT		

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	72.7300	114	3053250	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112481.DAT
Sample name :BLANK Analysed :11-25-04 00:52

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 00:52
Printed : 11/25/2004 00:58

Sample ID : BLANK (# 81)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 30
Chromatogram : C:\EAW\N112481.DAT

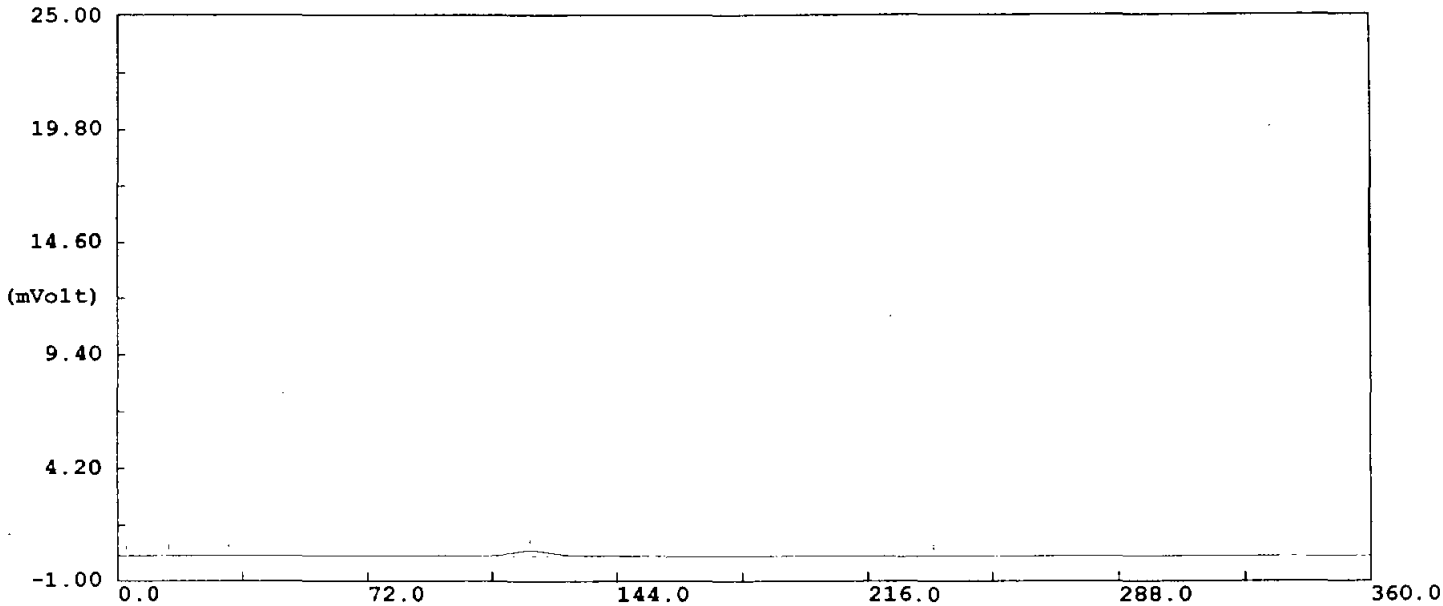
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	0.0186	119	26015	RS	1.000000	

01412

Eager 200 Strip-Chart



Filename C:\EAW\N112482.DAT
Sample name :BLANK Analysed :11-25-04 00:58

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 00:58
Printed : 11/25/2004 01:04

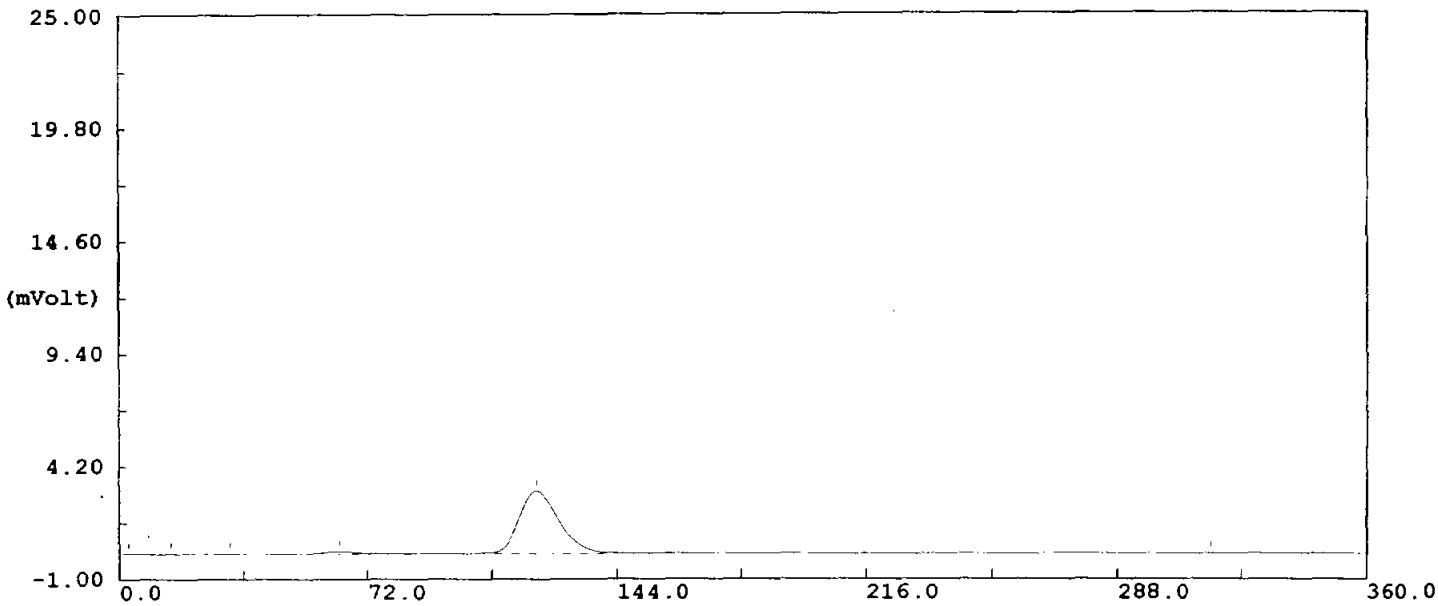
Sample ID : BLANK (# 82)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 30
Chromatogram : C:\EAW\N112482.DAT

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	0.0210	119	31352	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112483.DAT
Sample name :599674 Analysed :11-25-04 01:04

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 01:04
Printed : 11/25/2004 01:10

Sample ID : 599674 (# 83)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 5.102
Chromatogram : C:\EAW\N112483.DAT

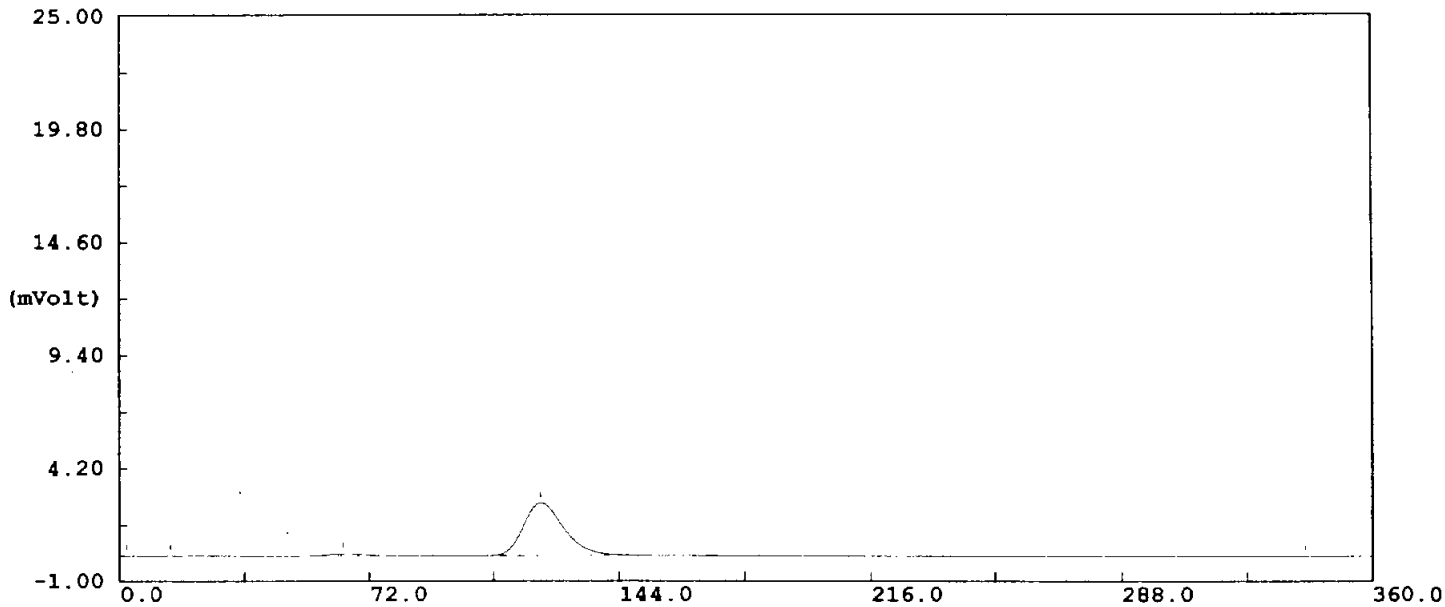
Calib. method : using 'Least Squares to Linear fit'

!!! Warning missing one or more peaks.

Element Name	Element %	Ret.Time	Area	BC	Area ratio	K factor
Carbon	1.0156	121	373122	RS	1.000000	

01413

Eager 200 Strip-Chart



Filename C:\EAW\N112484.DAT
Sample name :599674 Analysed :11-25-04 01:10

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 01:10
Printed : 11/25/2004 01:17

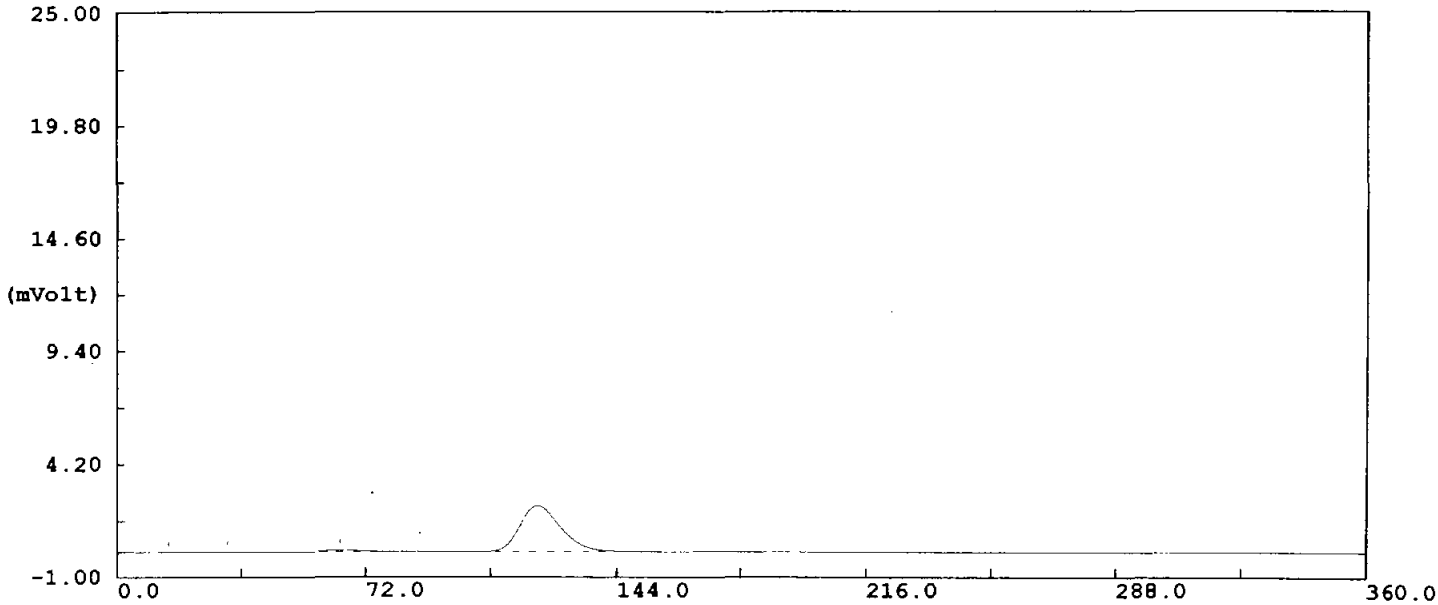
Sample ID : 599674 (# 84)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 5.123
Chromatogram : C:\EAW\N112484.DAT

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	0.8740	121	320256	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112485.DAT
Sample name :599675 Analysed :11-25-04 01:17

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 01:17
Printed : 11/25/2004 01:23

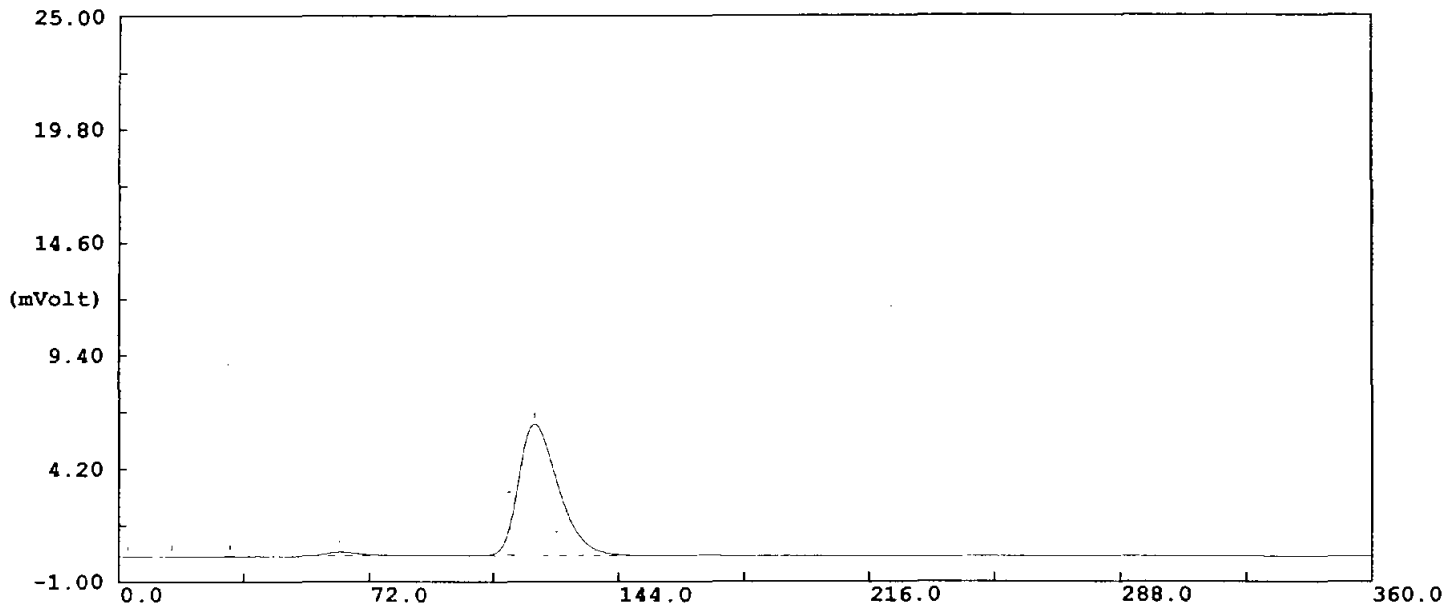
Sample ID : 599675 (# 85)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 8.488
Chromatogram : C:\EAW\N112485.DAT

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	0.4608	121	277729	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112486.DAT
Sample name :599675 Analysed :11-25-04 01:23

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 01:23
Printed : 11/25/2004 01:29

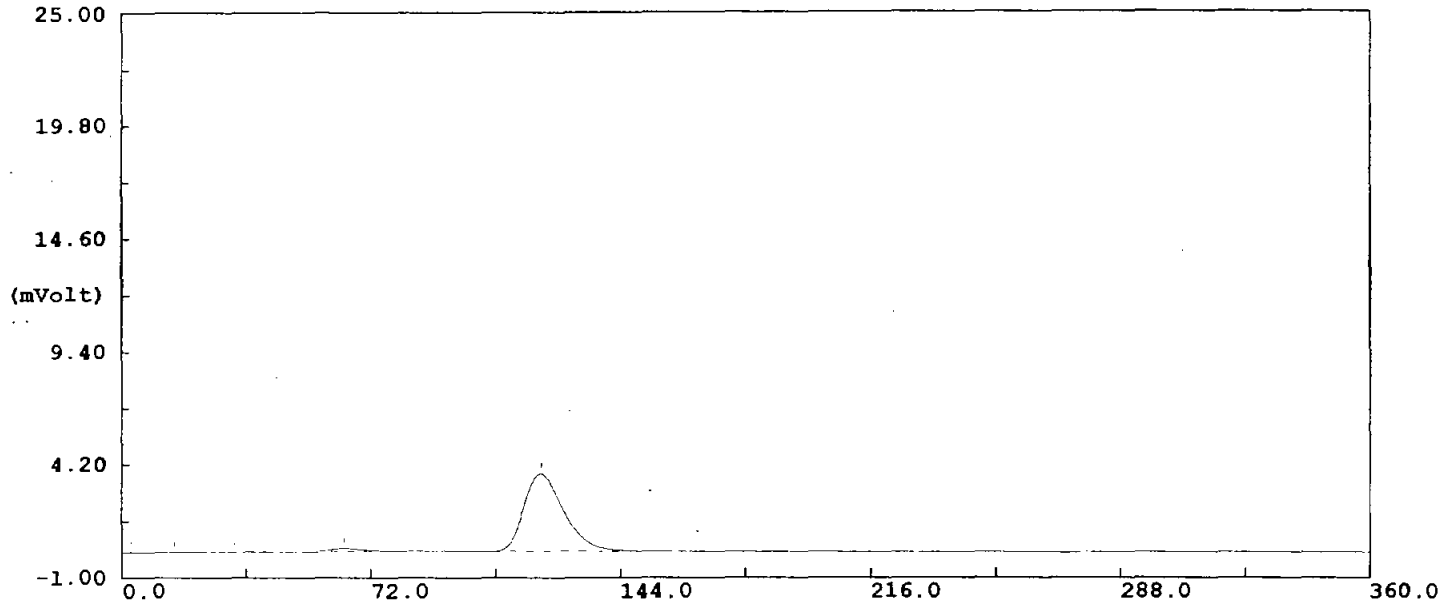
Sample ID : 599675 (# 86)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 10.151
Chromatogram : C:\EAW\N112486.DAT

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	1.0397	120	776494	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112487.DAT
Sample name :599675 Analysed :11-25-04 01:29

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 01:29
Printed : 11/25/2004 01:35

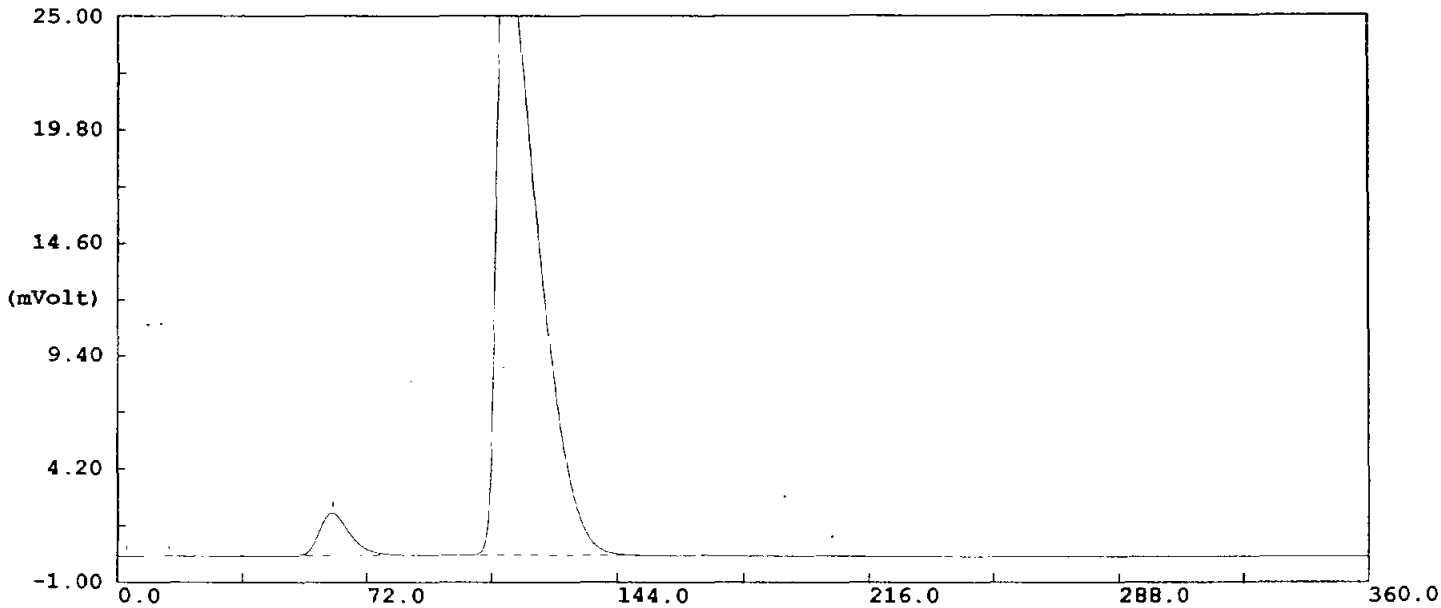
Sample ID : 599675 (# 87)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 8.641
Chromatogram : C:\EAW\N112487.DAT

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	0.7400	121	464148	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112488.DAT
Sample name :ACETANILIDE Analysed :11-25-04 01:35

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 01:35
Printed : 11/25/2004 01:41

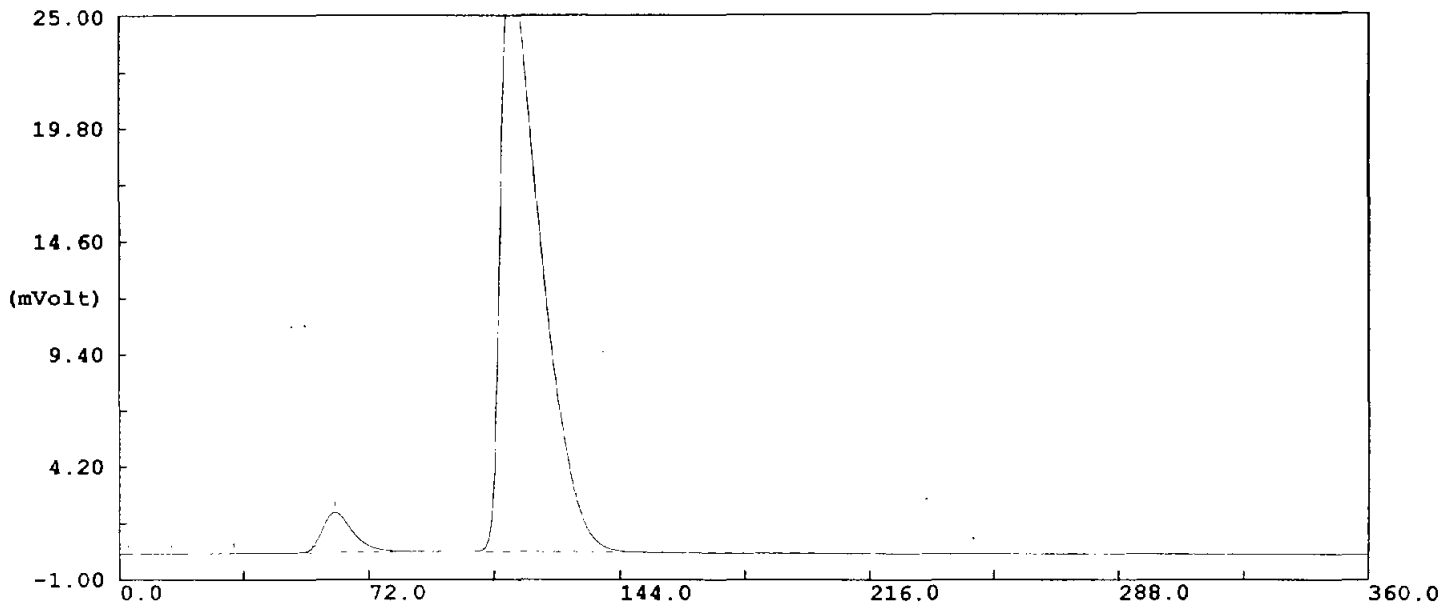
Sample ID : ACETANILIDE (# 88)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : .698
Chromatogram : C:\EAW\N112488.DAT

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	73.2030	113	3820773	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112489.DAT
Sample name :ACETANILIDE Analysed :11-25-04 01:41

Eager 200 Report

S/W version	: 1.06		
Operator ID	: ANALYST	Company Name	: SEVERN TRENT LAB
Method Name	: IN847	Method File	: N-C1124.MTH
Analysed	: 11-25-04 01:41	Printed	: 11/25/2004 01:47

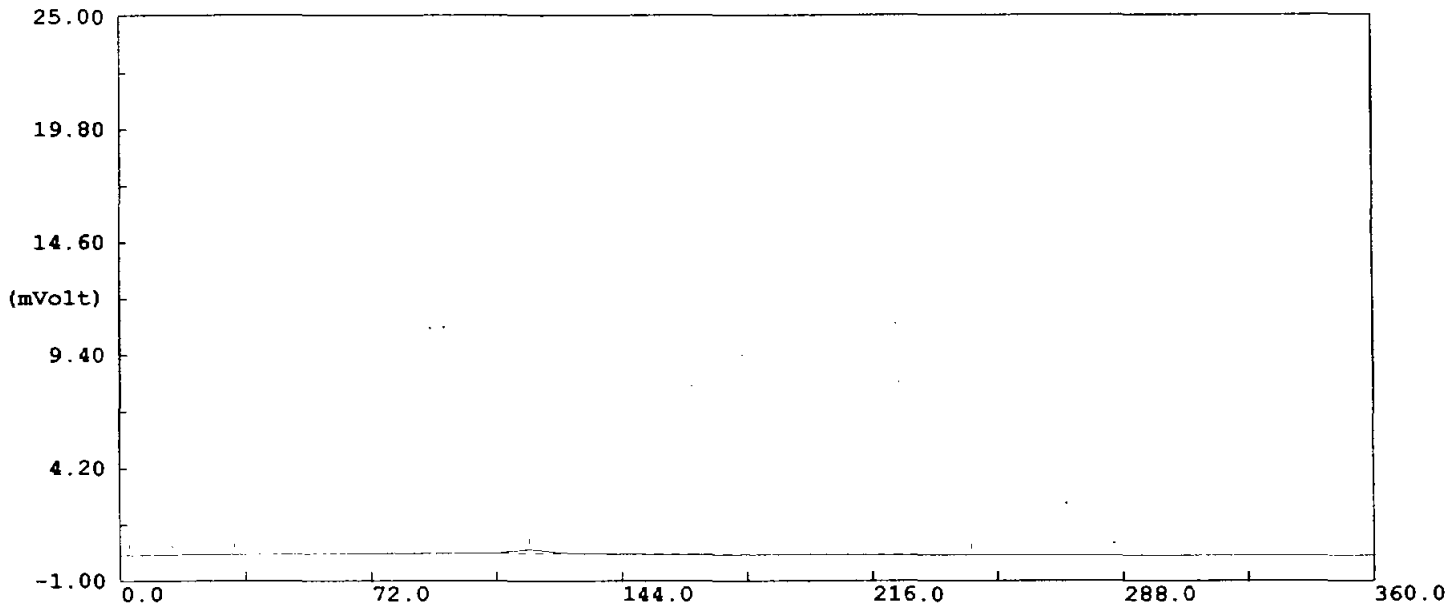
Sample ID	: ACETANILIDE (# 89)	Channel	: Channel B
Analysis Type	: UnkNown (Area)	Sample weight	: .654
Chromatogram	: C:\EAW\N112489.DAT		

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	73.3653	113	3586883	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112490.DAT
Sample name :BLANK Analysed :11-25-04 01:47

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST
Company Name : SEVERN TRENT LAB
Method Name : IN847
Method File : N-C1124.MTH
Analysed : 11-25-04 01:47
Printed : 11/25/2004 01:53

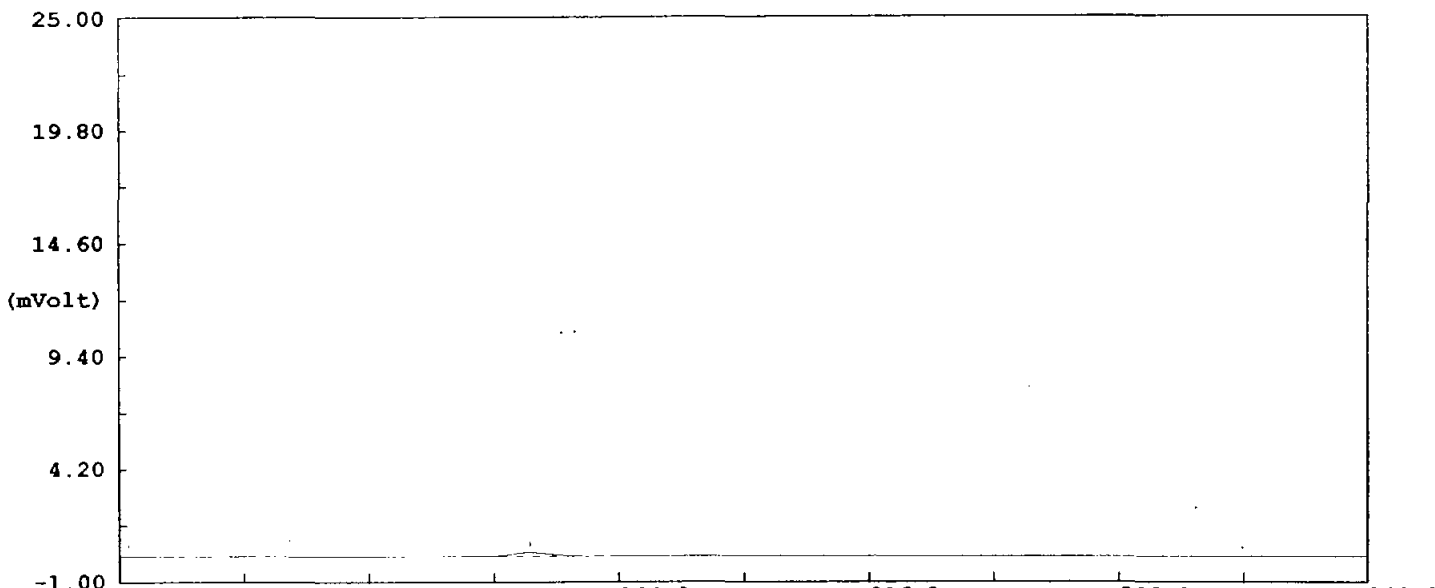
Sample ID : BLANK (# 90)
Channel : Channel B
Analysis Type : UnkNown (Area)
Sample weight : 30
Chromatogram : C:\EAW\N112490.DAT

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	0.0128	118	12972	RS	1.000000	

Eager 200 Strip-Chart



Filename C:\EAW\N112491.DAT
Sample name :BLANK Analysed :11-25-04 01:53

Eager 200 Report

S/W version : 1.06
Operator ID : ANALYST Company Name : SEVERN TRENT LAB
Method Name : IN847 Method File : N-C1124.MTH
Analysed : 11-25-04 01:53 Printed : 11/25/2004 01:59

Sample ID : BLANK (# 91) Channel : Channel B
Analysis Type : UnkNown (Area) Sample weight : 30
Chromatogram : C:\EAW\N112491.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	0.0163	119	20718	RS	1.000000	

01417

SEVERN TRENT STL

SAMPLE HANDLING

01418

Anglo Patriots
11-22-04 1000

FedEx.
exp: 180150 26NOV04

PRIORITY OVERNIGHT

TRK# 7927 8330 0714 FORM 0201

Deliver By:
22NOV04
AA

BTV

05446 -VT-US XH BTVA

FedEx®

Instructions:

33044 6

01419

SEVERN TRENT LABORATORIES LOG-IN SHEET - Form DC-1

Lab Name: STL Burlington

Received By (Print or Type Name): Angela Patnoad

Log-in Date: 11/22/04

Received By (Signature): Angela Patnoad

Case Number:	24028
Sample Delivery Group No.:	124945
ETR Number:	103963
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 Sticker
6. Airbill Number(s):	792783300714
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:	11/22/04
13. Time Received at Lab:	1000
14. Cooler Temperature(s):	2 C
SAMPLE TRANSFER:	
Fraction(s):	ALL
Area Number:	Level 4 Storage
Transferred By:	AP
Transferred On:	11/22/04

CORRESPONDING

CLIENT SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	REMARKS: CONDITION OF SAMPLE SHIPMENT ETC.
O41116SGA02SS	NA	599476	

AP 11.23.04

* *Contact Project Director*

Reviewed By: 33045.07 Date:

STL Burlington
COOLER RECEIPT CHECKLIST

Date Received: 11/22/04 **Sample Custodian:** AP

Time Received: 1000 **ETR/SDG:** 103963 / 124945

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: 2 **(°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

REVISED: February 23, 2005

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

PROJECT: Bradford Island, Oregon

REPORT NUMBER: 124945

TOTAL NUMBER OF PAGES: _____

Enclosed are the revised test results for four samples received at STL Seattle on November 18, 2004.

The report consists of this transmittal memo, the revised analytical results for the volatile organic compounds and the semivolatile organic compounds and the revised method blank results. Please replace the pages in the original report with the revised pages.

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.

000001

Sample Identification:

Lab. No.	Client ID	Date/Time Sampled	Matrix
124945-1	041116SGA01GW	11-16-04 10:30	Liquid
124945-2	041116SGA01SS	11-16-04 14:10	solid
124945-3	041116SGA02SS	11-16-04 15:15	solid
124945-4	Trip Blank #2718	11-16-04 *	liquid

* - Sampling time not specified for this sample

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:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/2004
Date Prepared:	11/29/2004
Date Analyzed:	11/29/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	99.5		80	120
Fluorobenzene	105		80	120
Toluene-D8	107		80	120
Ethylbenzene-d10	111		80	120
Bromofluorobenzene	100		80	120
Trifluorotoluene	55.2	X9	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		0.273	1	0.0748	J B1
Chloroethane	ND		1	0.187	
Trichlorofluoromethane	ND		1	0.062	
1,1-Dichloroethene	ND		1	0.0595	
Carbon disulfide		0.0619	1	0.0494	J
Acetone	ND		5	1.2	
Methylene chloride	ND		1	0.0752	
trans-1,2-Dichloroethene	ND		1	0.0584	
1,1-Dichloroethane		0.0555	1	0.036	J
2,2-Dichloropropane	ND		1	0.0487	
2-Butanone	ND		5	1.71	
cis-1,2-Dichloroethene		3.76	1	0.0433	
Bromochloromethane	ND		1	0.0573	
Chloroform	ND		1	0.0717	
1,1,1-Trichloroethane		0.104	1	0.0477	J
Carbon Tetrachloride	ND		1	0.097	
1,1-Dichloropropene	ND		1	0.0695	
Benzene		0.0579	1	0.0417	J
1,2-Dichloroethane	ND		1	0.0533	
Trichloroethene		2.03	1	0.0641	
1,2-Dichloropropane	ND		1	0.038	
Dibromomethane	ND		1	0.0864	
Bromodichloromethane	ND		1	0.0785	

12R

000003

Volatile Organics by USEPA Method 5035\8260B data for 124945-01 continued...

Analyte		Result (ug/L)	RL	MDL	Flags
cis-1,3-Dichloropropene	ND		1	0.0301	
4-Methyl-2-pentanone	ND		5	0.309	
Toluene		0.221	1	0.0588	J
trans-1,3-Dichloropropene	ND		1	0.0539	
1,1,2-Trichloroethane	ND		1	0.0627	
Tetrachloroethene		5.08	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		0.134	1	0.0376	J B1
Ethylbenzene		0.0486	1	0.0226	J
1,1,1,2-Tetrachloroethane	ND		1	0.0528	
m,p-Xylene		0.132	2	0.0718	J
o-Xylene		0.0735	1	0.0265	J
Styrene	ND		1	0.0279	
Bromoform		0.15	1	0.083	J B1
Isopropylbenzene		0.0197	1	0.0165	J
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		0.0297	1	0.0249	J
4-Chlorotoluene	ND		1	0.0491	
t-Butylbenzene	ND		1	0.0535	
1,2,4-Trimethylbenzene		0.0485	1	0.0283	J
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		0.118	1	0.0317	J B1

13R

000004

STL Seattle

Client Name:	URS Corporation
Client ID:	TRIP BLANK #2718
Lab ID:	124945-04
Date Received:	11/18/2004
Date Prepared:	11/29/2004
Date Analyzed:	11/29/2004
% Solids	-
Dilution Factor	1

Volatile Organics by USEPA Method 5035\8260B

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
Dibromofluoromethane	97.5		80	120
Fluorobenzene	107		80	120
Toluene-D8	107		80	120
Ethylbenzene-d10	112		80	120
Bromofluorobenzene	103		80	120
Trifluorotoluene	98.4		80	120

Analyte		**Result (ug/L)**	**RL**	**MDL**	**Flags**
Dichlorodifluoromethane	ND		1	0.0575	
Chloromethane		0.173	1	0.11	J
Vinyl chloride	ND		1	0.0604	
Bromomethane		0.42	1	0.0748	J B1
Chloroethane	ND		1	0.187	
Trichlorofluoromethane	ND		1	0.062	
1,1-Dichloroethene	ND		1	0.0595	
Carbon disulfide		0.0692	1	0.0494	J
Acetone	ND		5	1.2	
Methylene chloride		0.0866	1	0.0752	J
trans-1,2-Dichloroethene	ND		1	0.0584	
1,1-Dichloroethane	ND		1	0.036	
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	
Bromodichloromethane	ND		1	0.0785	

00005
16K

Volatile Organics by USEPA Method 5035\8260B data for 124945-04 continued...

Analyte		Result (ug/L)	RL	MDL	Flags
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		0.16	1	0.083	J B1
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		0.0614	1	0.0317	J B1

17R

000006

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	17.6		2	120
Phenol - d5	17.2		1	102
Nitrobenzene - d5	71.3		34	146
2 - Fluorobiphenyl	78.5		35	143
2,4,6 - Tribromophenol	39.3		29	151
p - Terphenyl - d14	84.8		35	166

Analyte		**Result (ug/L)**	**RL**	**MDL**	**Flags**
Phenol		0.0276	0.22	0.00505	J
bis(2-Chloroethyl)ether	ND		0.22	0.0356	
2-Chlorophenol	ND		0.22	0.0463	
1,3-Dichlorobenzene	ND		0.22	0.0403	
1,4-Dichlorobenzene	ND		0.22	0.0347	
Benzyl Alcohol	ND		0.22	0.0467	
1,2-Dichlorobenzene	ND		0.22	0.0305	
2-Methylphenol	ND		0.22	0.043	
bis(2-Chloroisopropyl)ether	ND		0.22	0.0471	
3-&4-Methylphenol	ND		0.44	0.0485	
N-nitroso-di-n-propylamine	ND		0.22	0.0405	
Hexachloroethane	ND		0.22	0.0419	
Nitrobenzene	ND		0.22	0.0571	
Isophorone	ND		0.22	0.0311	
2-Nitrophenol	ND		0.22	0.047	
2,4-Dimethylphenol	ND		1.1	0.201	
Benzoic Acid	ND		1.1	0.147	
bis(2-Chloroethoxy)methane	ND		0.22	0.0199	
2,4-Dichlorophenol	ND		0.22	0.0204	
1,2,4-Trichlorobenzene	ND		0.22	0.0135	
Naphthalene		0.111	0.0549	0.0191	
4-Chloroaniline	ND		0.33	0.0795	
Hexachlorobutadiene	ND		0.22	0.0162	
4-Chloro-3-methylphenol	ND		0.22	0.0268	
2-Methylnaphthalene		0.0683	0.0549	0.0164	
Hexachlorocyclopentadiene	ND		1.1	0.341	

18R

000007

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 124945-01 continued...

Analyte		Result (ug/L)	RL	MDL	
2,4,6-Trichlorophenol	ND		0.22	0.0353	
2,4,5-Trichlorophenol	ND		0.22	0.0487	
2-Chloronaphthalene	ND		0.022	0.00527	
2-Nitroaniline	ND		0.22	0.0329	
Dimethylphthalate	ND		0.22	0.0429	
Acenaphthylene	ND		0.022	0.00264	
2,6-Dinitrotoluene	ND		0.22	0.0418	
3-Nitroaniline	ND		0.22	0.0621	
Acenaphthene		0.0173	0.022	0.00374	J
2,4-Dinitrophenol	ND		1.1	0.227	
4-Nitrophenol	ND		1.1	0.13	
Dibenzofuran		0.0237	0.22	0.0225	J
2,4-Dinitrotoluene	ND		0.22	0.0631	
Diethylphthalate	ND		0.22	0.0612	
4-Chlorophenylphenylether	ND		0.22	0.0354	
Fluorene		0.021	0.022	0.00187	J
4-Nitroaniline	ND		0.22	0.0426	
4,6-Dinitro-2-methylphenol	ND		1.1	0.341	
N-Nitrosodiphenylamine	ND		0.22	0.00934	
4-Bromophenylphenylether	ND		0.22	0.0241	
Hexachlorobenzene	ND		0.22	0.0275	
Pentachlorophenol	ND		0.22	0.22	
Phenanthrene		0.0198	0.022	0.00407	J
Anthracene	ND		0.022	0.00209	
Di-n-butylphthalate		0.18	0.22	0.0409	J
Fluoranthene	ND		0.022	0.00626	
Pyrene	ND		0.022	0.00319	
Butylbenzylphthalate		0.12	0.33	0.107	J
3,3'-Dichlorobenzidine	ND		1.1	0.206	
Benzo(a)anthracene	ND		0.022	0.00571	
Chrysene	ND		0.022	0.00923	
bis(2-Ethylhexyl)phthalate	ND		1.65	0.419	
Di-n-octylphthalate	ND		0.22	0.03	
Benzofluoranthenes	ND		0.11	0.0131	
Benzo(a)pyrene	ND		0.022	0.00363	
Indeno(1,2,3-cd)pyrene	ND		0.022	0.00308	
Dibenz(a,h)anthracene	ND		0.022	0.00341	
Benzo(g,h,i)perylene	ND		0.022	0.0056	
Carbazole	ND		0.22	0.0238	
N-nitrosodimethylamine	ND		1.1	1.1	
Benzidine	ND		1.1	1.1	
Aniline	ND		0.33	0.33	

19K

000088

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA02SS
Lab ID:	124945-03
Date Received:	11/18/2004
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
% Solids	84.94
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

Surrogate	% Recovery	Flags	Recovery Limits Low	High
2 - Fluorophenol	61.1		36	145
Phenol - d5	73.1		38	149
Nitrobenzene - d5	54.3		38	141
2 - Fluorobiphenyl	53.1		42	140
2,4,6 - Tribromophenol	77.3		28	143
p - Terphenyl - d14	88.2		42	151

Sample results are on a dry weight basis.

Analyte	Result (ug/kg)	RL	MDL	Flags
Phenol	ND	5.88	0.85	
bis(2-Chloroethyl)ether	ND	11.8	1.85	
2-Chlorophenol	ND	5.88	0.791	
1,3-Dichlorobenzene	ND	5.88	1	
1,4-Dichlorobenzene	ND	5.88	0.988	
Benzyl Alcohol	ND	5.88	2.34	
1,2-Dichlorobenzene	ND	5.88	0.798	
2-Methylphenol	ND	5.88	1.11	
bis(2-Chloroisopropyl)ether	ND	29.4	9.39	
3-&4-Methylphenol	ND	5.88	1.39	
N-nitroso-di-n-propylamine	ND	5.88	1.58	
Hexachloroethane	ND	5.88	1.99	
Nitrobenzene	ND	11.8	3.54	
Isophorone	ND	11.8	0.592	
2-Nitrophenol	ND	5.88	1.34	
2,4-Dimethylphenol	ND	2.35	0.899	
Benzoic Acid	ND	70.5	18.8	
bis(2-Chloroethoxy)methane	ND	11.8	2.26	
2,4-Dichlorophenol	ND	5.88	1.04	
1,2,4-Trichlorobenzene	ND	5.88	0.998	
Naphthalene	ND	2.35	1.04	
4-Chloroaniline	ND	11.8	1.09	
Hexachlorobutadiene	ND	5.88	0.859	
4-Chloro-3-methylphenol	ND	5.88	1.05	
2-Methylnaphthalene	ND	2.35	0.611	
Hexachlorocyclopentadiene	ND	5.88	0.932	

20R

600009

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for 124945-03 continued...

Analyte		Result (ug/kg)	RL	MDL	
2,4,6-Trichlorophenol	ND		5.88	0.93	
2,4,5-Trichlorophenol	ND		5.88	0.912	
2-Chloronaphthalene	ND		2.35	0.793	
2-Nitroaniline	ND		2.35	0.638	
Dimethylphthalate	ND		11.8	2.3	
Acenaphthylene	ND		2.35	0.692	
2,6-Dinitrotoluene	ND		5.88	1.26	
3-Nitroaniline	ND		11.8	3.44	
Acenaphthene	ND		2.35	0.603	
2,4-Dinitrophenol	ND		58.8	8.22	
4-Nitrophenol	ND		58.8	9.63	
Dibenzofuran	ND		5.88	0.543	
2,4-Dinitrotoluene	ND		11.8	2	
Diethylphthalate	ND		11.8	4.24	
4-Chlorophenylphenylether	ND		11.8	2.53	
Fluorene	ND		2.35	0.759	
4-Nitroaniline	ND		23.5	4.82	
4,6-Dinitro-2-methylphenol	ND		11.8	2.12	
N-Nitrosodiphenylamine	ND		2.35	0.672	
4-Bromophenylphenylether	ND		11.8	2.16	
Hexachlorobenzene	ND		2.35	0.622	
Pentachlorophenol	ND		11.8	2.28	
Phenanthrene	ND		2.35	0.698	
Anthracene	ND		2.35	0.447	
Di-n-butylphthalate	ND		11.8	2.14	
Fluoranthene	ND		2.35	1.19	
Pyrene	ND		2.35	0.4	
Butylbenzylphthalate	ND		23.5	2.52	
3,3'-Dichlorobenzidine	ND		23.5	5.1	
Benzo(a)anthracene	ND		2.35	1.19	
Chrysene	ND		2.35	0.84	
bis(2-Ethylhexyl)phthalate		11.2	23.5	2.15	J
Di-n-octylphthalate	ND		23.5	2.16	
Benzofluoranthenes	ND		4.7	1.06	
Benzo(a)pyrene	ND		2.35	0.744	
Indeno(1,2,3-cd)pyrene	ND		2.35	0.536	
Dibenz(a,h)anthracene	ND		2.35	0.73	
Benzo(g,h,i)perylene	ND		2.35	0.565	
Carbazole	ND		11.8	2.34	
N-nitrosodimethylamine	ND		11.8	3.58	
Benzidine	ND		11.8	3.31	
Aniline	ND		11.8	2.16	

JR

00010

STL Seattle

Client Name:	URS Corporation
Client ID:	041116SGA01GW
Lab ID:	124945-01
Date Received:	11/18/2004
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Dissolved Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	0	X9	2	120
Phenol - d5	1.21		1	102
Nitrobenzene - d5	73.1		34	146
2 - Fluorobiphenyl	79.3		35	143
2,4,6 - Tribromophenol	0	X9	29	151
p - Terphenyl - d14	69.8		35	166

		Result			
Analyte		**(ug/L)**	**RL**	**MDL**	**Flags**
Phenol	ND		0.201	0.00461	
bis(2-Chloroethyl)ether	ND		0.201	0.0325	
2-Chlorophenol	ND		0.201	0.0422	
1,3-Dichlorobenzene	ND		0.201	0.0368	
1,4-Dichlorobenzene	ND		0.201	0.0317	
Benzyl Alcohol	ND		0.201	0.0426	
1,2-Dichlorobenzene	ND		0.201	0.0279	
2-Methylphenol	ND		0.201	0.0392	
bis(2-Chloroisopropyl)ether	ND		0.201	0.043	
3-&4-Methylphenol	ND		0.401	0.0442	
N-nitroso-di-n-propylamine	ND		0.201	0.037	
Hexachloroethane	ND		0.201	0.0382	
Nitrobenzene	ND		0.201	0.0522	
Isophorone	ND		0.201	0.0284	
2-Nitrophenol	ND		0.201	0.0429	
2,4-Dimethylphenol	ND		1	0.184	
Benzoic Acid	ND		1	0.134	
bis(2-Chloroethoxy)methane	ND		0.201	0.0182	
2,4-Dichlorophenol	ND		0.201	0.0187	
1,2,4-Trichlorobenzene	ND		0.201	0.0123	
Naphthalene		0.0399	0.0502	0.0175	J
4-Chloroaniline	ND		0.301	0.0725	
Hexachlorobutadiene	ND		0.201	0.0147	
4-Chloro-3-methylphenol	ND		0.201	0.0245	
2-Methylnaphthalene		0.0158	0.0502	0.0149	J
Hexachlorocyclopentadiene	ND		1	0.311	

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STL Seattle

Dissolved Semivolatile Organics by USEPA Method 8270 data for 124945-01 continued...

Analyte		Result (ug/L)	RL	MDL	
2,4,6-Trichlorophenol	ND		0.201	0.0322	
2,4,5-Trichlorophenol	ND		0.201	0.0444	
2-Chloronaphthalene	ND		0.0201	0.00481	
2-Nitroaniline	ND		0.201	0.03	
Dimethylphthalate	ND		0.201	0.0391	
Acenaphthylene	ND		0.0201	0.00241	
2,6-Dinitrotoluene	ND		0.201	0.0381	
3-Nitroaniline	ND		0.201	0.0567	
Acenaphthene		0.00491	0.0201	0.00341	J
2,4-Dinitrophenol	ND		1	0.208	
4-Nitrophenol	ND		1	0.118	
Dibenzofuran	ND		0.201	0.0206	
2,4-Dinitrotoluene	ND		0.201	0.0576	
Diethylphthalate		0.0585	0.201	0.0559	J
4-Chlorophenylphenylether	ND		0.201	0.0323	
Fluorene		0.00731	0.0201	0.00171	J
4-Nitroaniline	ND		0.201	0.0389	
4,6-Dinitro-2-methylphenol	ND		1	0.311	
N-Nitrosodiphenylamine	ND		0.201	0.00853	
4-Bromophenylphenylether	ND		0.201	0.022	
Hexachlorobenzene	ND		0.201	0.0251	
Pentachlorophenol	ND		0.201	0.201	
Phenanthrene		0.00957	0.0201	0.00371	J
Anthracene	ND		0.0201	0.00191	
Di-n-butylphthalate		0.13	0.201	0.0373	J
Fluoranthene	ND		0.0201	0.00572	
Pyrene	ND		0.0201	0.00291	
Butylbenzylphthalate		0.117	0.301	0.0978	J
3,3'-Dichlorobenzidine	ND		1	0.188	
Benzo(a)anthracene	ND		0.0201	0.00522	
Chrysene	ND		0.0201	0.00843	
bis(2-Ethylhexyl)phthalate	ND		1.5	0.382	
Di-n-octylphthalate	ND		0.201	0.0274	
Benzofluoranthenes	ND		0.1	0.0119	
Benzo(a)pyrene	ND		0.0201	0.00331	
Indeno(1,2,3-cd)pyrene	ND		0.0201	0.00281	
Dibenz(a,h)anthracene	ND		0.0201	0.00311	
Benzo(g,h,i)perylene	ND		0.0201	0.00512	
Carbazole	ND		0.201	0.0218	
N-nitrosodimethylamine	ND		1	1	
Benzidine	ND		1	1	
Aniline	ND		0.301	0.301	

23K

00012

STL Seattle

Lab ID:	Method Blank - VOA1050
Date Received:	-
Date Prepared:	11/29/2004
Date Analyzed:	11/29/2004
% 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	106		80	120
Ethylbenzene-d10	113		80	120
Bromofluorobenzene	102		80	120
Trifluorotoluene	96.6		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	0.386	1	0.0748	J
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	
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	
Bromodichloromethane	ND	1	0.0785	

000013

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STL Seattle

Volatile Organics by USEPA Method 5035\8260B data for VOA1050 continued...

Analyte		Result (ug/L)	RL	MDL	Flags
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		0.0644	1	0.0513	J
1,2,3-Trichlorobenzene		0.0738	1	0.0605	J
Hexachlorobutadiene	ND		1	0.152	
Naphthalene		0.209	1	0.0317	J

000014

45R

STL Seattle

Lab ID:	Method Blank - SW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	25.8		2	120
Phenol - d5	13.8		1	102
Nitrobenzene - d5	64.2		34	146
2 - Fluorobiphenyl	63.1		35	143
2,4,6 - Tribromophenol	41.2		29	151
p - Terphenyl - d14	47.2		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	

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00015

STL Seattle

Semivolatile Organics by USEPA Method 8270 data for SW1034 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	ND		0.2	0.0372
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 - SS1281
Date Received:	-
Date Prepared:	11/22/2004
Date Analyzed:	11/24/2004
% Solids	
Dilution Factor	1

Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	78.8		36	145
Phenol - d5	79.1		38	149
Nitrobenzene - d5	77.6		38	141
2 - Fluorobiphenyl	78.7		42	140
2,4,6 - Tribromophenol	79.9		28	143
p - Terphenyl - d14	119		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	

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STL Seattle

Semivolatile Organics by USEPA Method 8270 data for SS1281 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		3.51	10	1.82	J
Fluoranthene	ND		2	1.01	
Pyrene	ND		2	0.34	
Butylbenzylphthalate		2.74	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

Lab ID:	Method Blank - SW1034
Date Received:	-
Date Prepared:	11/19/2004
Date Analyzed:	11/23/2004
% Solids	-
Dilution Factor	1

Dissolved Semivolatile Organics by USEPA Method 8270

			Recovery Limits	
Surrogate	**% Recovery**	**Flags**	**Low**	**High**
2 - Fluorophenol	25.8		2	120
Phenol - d5	13.8		1	102
Nitrobenzene - d5	64.2		34	146
2 - Fluorobiphenyl	63.1		35	143
2,4,6 - Tribromophenol	41.2		29	151
p - Terphenyl - d14	47.2		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	

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STL Seattle

Dissolved Semivolatile Organics by USEPA Method 8270 data for SW1034 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	ND	0.2	0.0372
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

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