Columbia Analytical Services™ 1317 S. 13th Avenue, Kelso, WA 98626 | 360.577.7222 | 360.636.1068 (fax) | www.caslab.com

November 30, 2010 Analytical Report for Service Request No: K1012914

Craig Hutchings
Integral Consulting, Incorporated
1205 West Bay Drive NW
Olympia, WA 98502-4670

RE: San Jacinto Waste Pits/090557-01.01

Dear Craig:

Enclosed are the results of the rush samples submitted to our laboratory on November 17, 2010. For your reference, these analyses have been assigned our service request number K1012914.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.caslab.com. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3376. You may also contact me via Email at GSalata@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Gregory Salata, Ph.D.
Project Chemist

GS/dlm

cc: Melissa Swanson, EcoChem, Inc. (Seattle WA)

9093187

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Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value that was detected outside the quantitation range.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.1 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
J	The result is an estimated value that was detected outside the quantitation range.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.1 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
X	See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.
Q	See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated value that was detected outside the quantitation range.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
U	The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL. *DOD-QSM 4.1 definition* : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
i	The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
X	See case narrative.
Q	See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Integral Consulting, Incorporated	**Service Request No.:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Received:**	11/17/10
Sample Matrix:	Sediment and Wipe		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Twenty-eight sediment and three wipe samples were received for analysis at Columbia Analytical Services on 11/17/10. Except as noted on the cooler receipt and preservation form included in this data package the samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

No anomalies associated with the analysis of these samples were observed.

Total Metals

Sediment:
No anomalies associated with the analysis of these samples were observed.

Wipe:
Method Blank Exceptions:
The Method Blank contained low levels of Chromium above the Method Reporting Limit (MRL). In accordance with CAS QA/QC policy, all sample results less than twenty times the level found in the Method Blank were flagged as estimated. The samples were not re-extracted and re-analyzed because insufficient sample remained for additional testing.

No other anomalies associated with the analysis of these samples were observed.

Organochlorine Pesticides by EPA Method 8081A

Continuing Calibration Verification (CCV) Exceptions:
The analysis of Chlorinated Pesticides by EPA 8081 requires the use of dual column confirmation. When the CCV criterion is met for both columns, the lower of the two sample results is generally reported. The primary evaluation criteria were not met on the confirmation column for Decachlorobiphenyl in CCV 1125F004 and 1125F026. The results were reported from the column with an acceptable CCV. The data quality was not affected. No further corrective action was necessary.

Relative Percent Difference Exceptions:
The Relative Percent Difference (RPD) for alpha-BHC, gamma-BHC, Aldrin and Heptachlor in the replicate Laboratory Control Sample (LCS) analyses (KWG1012935-2 and KWG1012935-3) was outside control criteria. The analytes in question were not detected in the associated field samples. All spike recoveries in the LCS and DLCS

Approved by Gregory Delatte **Date** 12/1/10

were within acceptance limits, indicating the analytical batch was in control. The data was flagged to indicate the problem.

Elevated Detection Limits:
The detection limit was elevated for at least one analyte in a few samples. The chromatogram indicated the presence of non-target background components. The matrix interference prevented adequate resolution of the target compounds at the normal limit. The results were flagged to indicate the matrix interference.

Sample Confirmation Notes:
The confirmation comparison criteria of 40% difference for 4,4'-DDT was exceeded in a few samples . The lower of the two values was reported when there was an apparent interference on the alternate column that produced the higher value.

No other anomalies associated with the analysis of these samples were observed.

PCB Aroclors by EPA Method 8082

No anomalies associated with the analysis of these samples were observed.

Volatile Organic Compounds by EPA Method 8260B

No anomalies associated with the analysis of these samples were observed.

Semivolatile Organic Compounds by EPA Method 8270C

Sediment:
Relative Percent Difference Exceptions:
The Relative Percent Difference (RPD) criterion for 2,4-Dinitrophenol in the replicate Laboratory Control Sample(s) (LCS/DLCS) KWG1012700-3 and KWg1012700-4 was not applicable because the analyte concentration was not significantly greater than the Method Reporting Limit (MRL). Analytical values derived from measurements close to the detection limit are not subject to the same accuracy and precision criteria as results derived from measurements higher on the calibration range for the method.

Elevated Detection Limits:
The detection limits were elevated for numerous samples. The sample extracts were diluted prior to instrumental analysis due to relatively high levels of non-target background components. Clean-up of the extracts was performed within the scope of the method, but did not eliminate enough of the background components to prevent dilutions. Semi-quantitative screens were performed prior to final analysis. The results of the screening indicated the need to perform dilutions.

Sample Notes and Discussion:
Benzidine is searched for and quantitated as a Tentatively Identified Compound (TIC). Quantitative standards are not analyzed for this analyte.

Wipe:
Continuing Calibration Verification (CCV) Exceptions:
The upper control criterion was exceeded for N-Nitrosodimethylamine in CCV MS06\1129F004.D. The field samples analyzed in this sequence did not contain the analyte in question. Since the apparent problem indicated a potential high bias, the data quality was not affected. No further corrective action was required.

Surrogate Exceptions:
The control criteria were exceeded for Phenol-d6 and 2,4,6-Tribromophenol in FW0002. A re-analysis was not performed because insufficient sample was available. The low recovery equates to a potential low bias in associated analyte results. No further corrective action was possible.

Approved by _____ **Date** 12/1/10

Sample Notes and Discussion:
A Matrix Spike/Matrix Spike Duplicate (MS/MSD) was not extracted with this sample batch. A Laboratory Control Sample/Duplicate Laboratory Control Sample (LCS/DLCS) was analyzed and reported in lieu of the MS/MSD for these samples.

Benzidine is reported as a Tentatively Identified Compound (TIC). There were no quantitative standards analytes for this analyte.

No other anomalies associated with the analysis of these samples were observed.

Approved by Gregory Salatto **Date** 12/1/10

Chain of Custody

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST

Columbia Analytical Services™ 19408 Park Row, Ste 320 • Houston, TX 77084 • (713) 266-1599 • FAX (713) 266-0130

DATE 11/15/10 PAGE 1 OF ~~3~~ 4 SP

PROJECT NAME: San Jacinto Waste Pits
PROJECT #: 090557-01.01
COMPANY/ADDRESS: Integral Consulting, Inc.
1205 West Bay Drive NW
Olympia, WA 98502 PHONE: 360-705-3534 ext. 17
REPORT TO: Craig Hutchings

ANALYSIS REQUEST K1012914

	SAMPLE I.D.	DATE	TIME	SAMPLE MATRIX	NUMBER OF CONTAINERS	8290	1613B	1613 TCDD only	1668 WHO	1668 Full List	TOC	Dioxins/Furans	Mercury, Cyanide, TOC, metals	SVOC	Pesticides, Aroclors	VOCs							REMARKS
1	SL0001	11/15/10	955	Soil	4							X	X	X	X								Tag Numbers: TG001 - TG004
2	SL0002	↓	1010	↓	4							X	X	X	X								TG006 - TG009
3	SL0003		1040		2						X	X											TG011, TG012
4	SL0004		1050		2						X	X											TG013, TG014
5	SL0005		1110		2						X	X											TG015, TG016
6	SL0006		1125		2						X	X											TG017, TG018
10	SL0007		1135		2						X	X											TG019, TG020
8	SL0008		1150		2						X	X											TG021, TG022
9	SL0009		1200		4							X	X	X	X								TG023 - TG026
10	SL0010		1205		4							X	X	X	X								TG028 - TG031

RELINQUISHED BY:
Signature: Sarah Ballard
Printed Name: Sarah Ballard
Firm: Anchor QEA
Date/Time: 11/16/10 1030

RECEIVED BY:
Signature: [illegible]
Printed Name: Brett Sorter
Firm: Benchmark
Date/Time: 11/16/10 1030

TURNAROUND REQUIREMENTS (in working days)
RUSH ..... 5 Days
RUSH ..... 10 Days
STD ..... 15 DAYS

DELIVERABLES
___ I. Analytical Report
___ II. Analytical Report + QC
X IV. Data Validation Report (includes All Raw Data) with EDD

INVOICE INFORMATION:
P.O.#
Bill To

SAMPLE RECEIPT:
Opened by:
Inspected by:
Date:
Time:

RELINQUISHED BY:
Signature: [illegible]
Printed Name: Brett Sorter
Firm: Benchmark
Date/Time: 11/16/10 1125

RECEIVED BY:
Signature: Cindy Demaran
Printed Name: Cindy Donovan
Firm: CAS Houston
Date/Time: 11/16/10 1125

SPECIAL INSTRUCTIONS/COMMENTS:
hand delivered, no seals
Opened: 1125-1135
wet ice, bubble wrap, ziplock bags
1°, 6°, 3°, 5°

Sarah E Ballard
SAMPLER'S SIGNATURE

Relinquished By:
Cindy Demaran
11/16/10 1630

Received By:
JORDAN Jones
11-17-10 / 0910

DISTRIBUTION: WHITE - return to originator; YELLOW - retained by originator

cpc11-09

CHAIN OF CUSTODY/LABORATORY ANALYSIS REPORT FORM

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28	SL0011	11/15/10	1320	Soil	2						X	X					Tag numbers TG 033, TG 034
11	SL0012	↓	1325	↓	2						X	X					TG 035, TG 036
12	SL0013		1350		2						X	X					TG 037, TG 038
13	SL0014		1355		2						X	X					TG 039, TG 040
14	SL0015		1415		2						X	X					TG 041, TG 042
15	SL0016		1420		2						X	X					TG 043, TG 044
16	SL0017		1440		4							X	X	X	X		TG 045 - TG 048
17	SL0018		~~1500~~ 1440 SB		4							X	X	X	X		TG 050 - TG 053
18	SL0019		1500		4							X	X	X	X		TG 055 - TG 058
19	SL0020	↓	1500	↓	4							X	X	X	X		TG 060 - TG 063

RELINQUISHED BY:
Signature: Sarah Ballard
Printed Name: Sarah Ballard
Firm: Anchor QEA
Date/Time: 11/16/10 1030

RECEIVED BY:
Signature: [illegible]
Printed Name: Brett Souter
Firm: Benchmark
Date/Time: 11/16/10 1030

TURNAROUND REQUIREMENTS (in working days)
RUSH ..... (5 Days)
RUSH ..... 10 Days
STD ..... 15 DAYS

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SAMPLE RECEIPT:
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Inspected by:
Date:
Time:

RELINQUISHED BY:
Signature: [illegible]
Printed Name: Brett Souter
Firm: Benchmark
Date/Time: 11/16/10 1125

RECEIVED BY:
Signature: Cindy Donovan
Printed Name: Cindy Donovan
Firm: CAS Houston
Date/Time: 11/16/10 1125

SPECIAL INSTRUCTIONS/COMMENTS:
hand delivered, no seals
opened: 1125-1135
wet ice, bubble wrap, ziplock bags
1°, 6°, 3°, 5°

Sarah E Ballard
SAMPLER'S SIGNATURE

Relinquished By:
Cindy Donovan
11/16/10 1630
Received By:
Jordan Jones
11/16/10 1630

DISTRIBUTION: WHITE - return to originator; YELLOW - retained by originator

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REPORT FORM

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DATE 12/16/10 PAGE 3 OF 4

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20	SL0021	11/16/10	820	Soil	2						X	X										Tag numbers TG071-TG072
21	SL0022		830		2						X	X										TG073-TG074
22	SL0023		850		2						X	X										TG075-TG076
23	SL0024		855		2						X	X										TG077-TG078
24	SL0025		920		2						X	X										TG079-TG080
25	SL0026		925		2						X	X										TG081-TG082
26	SL0027		945		2						X	X										TG083-TG084
27	SL0028		950		2						X	X										TG085-TG086

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Firm: Benchmark
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RUSH ..... 10 Days
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DATE 12/16/10 PAGE 4 OF 4

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1205 West Bay Drive NW
Olympia, WA 98502 PHONE 360-705-3534
REPORT TO:

ANALYSIS REQUEST

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FW0001	11/15/10	1518	Filter wipe	6						X	X	X	X	X	X						Tag numbers: TG065-TG070
FW0002	11/16/10	1000	↓	6						X	X	X	X	X	X						TG081-TG092
FW0003	11/16/10	1005	↓	6						X	X	X	X	X	X						TG093-TG098

RELINQUISHED BY:
Signature: Sarah Ballard
Printed Name: Sarah Ballard
Firm: Anchor QEA
Date/Time: 11/16/10 1030

RECEIVED BY:
Signature: [illegible]
Printed Name: Brett Souter
Firm: Benchmark
Date/Time: 11/16/10 1030

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11/16/10 1630
Received By:
Jordan Jones
[illegible]

DISTRIBUTION: WHITE - return to originator; YELLOW - retained by originator

coc11-09

Columbia Analytical Services, Inc.
Cooler Receipt and Preservation Form

PC GS

Client / Project: SAN JACINTO WASTE PITS - TC Service Request *K10* 12914

Received: 11-17-10 Opened: 11-17-10 By: JORDAN

1. Samples were received via? *Mail* *Fed Ex* *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
2. Samples were received in: (circle) *Cooler* *Box* *Envelope* *Other* _____ *NA*
3. Were custody seals on coolers? NA Y N If yes, how many and where? 2 front
   If present, were custody seals intact? Y N If present, were they signed and dated? Y N

Cooler Temp °C	Temp Blank °C	Thermometer ID	Cooler/COC ID NA	Tracking Number NA	Filed
-0.7	0.3	287		8703 5778 6927	
-0.8	0.9	304		8703 5778 6977	
-0.7	0.9	304		"	

7. Packing material used. *Inserts* *Baggies* *Bubble Wrap* *Gel Packs* *Wet Ice* *Sleeves* *Other* _____
8. Were custody papers properly filled out (ink, signed, etc.)? NA Y N
9. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* NA Y N
10. Were all sample labels complete (i.e analysis, preservation, etc.)? NA Y N
11. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* NA Y N
12. Were appropriate bottles/containers and volumes received for the tests indicated? NA Y N
13. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* NA Y N
14. Were VOA vials received without headspace? *Indicate in the table below.* NA Y N
15. Was C12/Res negative? NA Y N

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head-space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: ALL SAMPLES RECEIVED IN ONE LESS CONTAINER THAN SPECIFIED IN COC.

Page 1 *of* _____

Total Solids

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pi/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
SL0001	K1012914-001	11/15/2010	11/17/2010	11/19/2010	83.8	
SL0002	K1012914-002	11/15/2010	11/17/2010	11/19/2010	88.2	
SL0009	K1012914-009	11/15/2010	11/17/2010	11/19/2010	85.4	
SL0010	K1012914-010	11/15/2010	11/17/2010	11/19/2010	88.7	
SL0017	K1012914-016	11/15/2010	11/17/2010	11/19/2010	82.6	
SL0018	K1012914-017	11/15/2010	11/17/2010	11/19/2010	82.0	
SL0019	K1012914-018	11/15/2010	11/17/2010	11/19/2010	84.5	
SL0020	K1012914-019	11/15/2010	11/17/2010	11/19/2010	85.1	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pi/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010
		Date Analyzed:	11/19/2010

Duplicate Sample Summary

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SL0001	K1012914-001	83.8	84.1	84.0	<1	

COLUMBIA ANALYTICAL SERVICES, INC.

EPA Method 160.3 - Total Solids

226165

Group ID:	KWG1012696				
Analyst:	SArwood			**Reviewed By:**	BDK
Date Acquired:	11/19/2010 15:45	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	11/24/10
Date Completed:	11/24/2010 07:11	**Oven TempEnd:**	105 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
1	K1012914-001	SL0001	SEDIMENT	1.35g	13.41g	11.46g	83.8		
2	K1012914-002	SL0002	SEDIMENT	1.35g	11.14g	9.98g	88.2		
3	K1012914-009	SL0009	SEDIMENT	1.34g	9.93g	8.68g	85.4		
4	K1012914-010	SL0010	SEDIMENT	1.35g	13.70g	12.31g	88.7		
5	K1012914-016	SL0017	SEDIMENT	1.34g	10.69g	9.06g	82.6		
6	K1012914-017	SL0018	SEDIMENT	1.35g	11.41g	9.60g	82.0		
7	K1012914-018	SL0019	SEDIMENT	1.35g	10.39g	8.99g	84.5		
8	K1012914-019	SL0020	SEDIMENT	1.34g	15.28g	13.20g	85.1		
9	K1012999-001	SB5XB-19-19.5	SEDIMENT	1.34g	11.46g	9.76g	83.2		
10	K1012999-002	SB5XB-20-9.5	SEDIMENT	1.34g	12.78g	12.31g	95.9		
11	K1012999-003	SB5XB-20-19.5	SEDIMENT	1.35g	12.46g	10.79g	85.0		
12	K1012999-004	SB5XB-20-22	SEDIMENT	1.33g	12.60g	10.87g	84.6		
13	K1012999-005	SB5XB-21-14.5	SEDIMENT	1.33g	10.57g	9.10g	84.1		
14	K1012999-006	SB5XB-21-16.5	SEDIMENT	1.33g	12.32g	10.63g	84.6		
15	K1012999-007	SB5XB-22-16	SEDIMENT	1.34g	11.45g	10.04g	86.1		
16	K1012999-008	SB5XB-23-16	SEDIMENT	1.34g	11.09g	9.70g	85.7		
17	K1013004-001	SB5XB-24-1	SEDIMENT	1.34g	10.26g	9.54g	91.9		
18	K1013004-002	SB5XB-24-16.5	SEDIMENT	1.34g	11.67g	9.79g	81.8		
19	K1013004-003	SB5XB-25-11	SEDIMENT	1.32g	10.51g	8.90g	82.5		
20	K1013004-004	SB5XB-25-14	SEDIMENT	1.34g	13.88g	11.68g	82.5		
21	K1013008-001	EH024	SOIL	1.35g	13.18g	11.88g	89.0		
22	K1013008-002	EH025	SOIL	1.33g	10.02g	9.02g	88.5		
23	K1013008-003	EH026	SOIL	1.34g	14.06g	12.24g	85.7		
24	K1013008-004	EH027	SOIL	1.35g	11.39g	10.46g	90.7		
25	K1013008-005	EH028	SOIL	1.34g	11.77g	11.02g	92.8		
26	K1013008-006	EH029	SOIL	1.34g	13.10g	11.97g	90.4		

Group ID:	KWG1012696				
Analyst:	SArwood			**Reviewed By:**	BDL
Date Acquired:	11/19/2010 15:45	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	11/24/10
Date Completed:	11/24/2010 07:11	**Oven TempEnd:**	105 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
27	K1013008-007	EH030	SOIL	1.35g	15.27g	14.03g	91.1		
28	K1013008-008	EH031	SOIL	1.35g	10.20g	8.07g	75.9		
29	K1013008-009	EH032	SOIL	1.34g	13.59g	10.30g	73.1		
30	K1013008-010	EH033	SOIL	1.33g	12.69g	10.58g	81.4		
31	K1013008-011	EH034	SOIL	1.34g	14.13g	10.93g	75.0		
32	K1013008-012	EH035	SOIL	1.33g	14.56g	11.63g	77.9		
33	K1013008-013	EH036	SOIL	1.34g	10.89g	8.62g	76.2		
34	K1013008-015	EH038	SOIL	1.34g	12.22g	12.14g	99.3		
35	K1013008-016	EH039	SOIL	1.33g	13.39g	13.25g	98.8		
36	K1013008-017	EH040	SOIL	1.34g	15.32g	15.19g	99.1		
37	K1013012-001	CPR-2010-COMP	SEDIMENT	1.34g	12.25g	9.05g	70.7		
38	KWG1012696-1	Duplicate Client Sample	SEDIMENT	1.34g	13.80g	11.82g	84.1	K1012914-001	RPD- <1
39	KWG1012696-3	Duplicate Client Sample	SEDIMENT	1.35g	11.64g	9.87g	82.8	K1012999-001	<1
40	KWG1012696-4	Duplicate Client Sample	SEDIMENT	1.34g	10.96g	10.32g	93.3	K1013004-001	2
41	KWG1012696-5	Duplicate Client Sample	SOIL	1.34g	12.90g	11.06g	84.1	K1013008-001	0
42	KWG1012696-6	Duplicate Client Sample	SOIL	1.34g	14.74g	11.85g	78.4	K1013008-012	<1
43	KWG1012696-7	Duplicate Client Sample	SEDIMENT	1.33g	12.28g	9.08g	70.8	K1013012-001	<1

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pi/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
SL0003	K1012914-003	11/15/2010	11/17/2010	11/23/2010	87.1	
SL0004	K1012914-004	11/15/2010	11/17/2010	11/23/2010	90.0	
SL0005	K1012914-005	11/15/2010	11/17/2010	11/23/2010	89.8	
SL0006	K1012914-006	11/15/2010	11/17/2010	11/23/2010	88.9	
SL0007	K1012914-007	11/15/2010	11/17/2010	11/23/2010	88.2	
SL0008	K1012914-008	11/15/2010	11/17/2010	11/23/2010	78.4	
SL0012	K1012914-011	11/15/2010	11/17/2010	11/23/2010	91.1	
SL0013	K1012914-012	11/15/2010	11/17/2010	11/23/2010	80.3	
SL0014	K1012914-013	11/15/2010	11/17/2010	11/23/2010	81.4	
SL0015	K1012914-014	11/15/2010	11/17/2010	11/23/2010	89.0	
SL0016	K1012914-015	11/15/2010	11/17/2010	11/23/2010	88.2	
SL0021	K1012914-020	11/16/2010	11/17/2010	11/23/2010	85.0	
SL0022	K1012914-021	11/16/2010	11/17/2010	11/23/2010	84.4	
SL0023	K1012914-022	11/16/2010	11/17/2010	11/23/2010	75.5	
SL0024	K1012914-023	11/16/2010	11/17/2010	11/23/2010	63.0	
SL0025	K1012914-024	11/16/2010	11/17/2010	11/23/2010	86.2	
SL0026	K1012914-025	11/16/2010	11/17/2010	11/23/2010	90.8	
SL0027	K1012914-026	11/16/2010	11/17/2010	11/23/2010	76.9	
SL0028	K1012914-027	11/16/2010	11/17/2010	11/23/2010	85.5	
SL0011	K1012914-028	11/15/2010	11/17/2010	11/23/2010	90.4	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pi/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010
		Date Analyzed:	11/23/2010

Duplicate Sample Summary

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SL0003	K1012914-003	87.1	86.9	87.0	<1	

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pi/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010
		Date Analyzed:	11/23/2010

Duplicate Sample Summary
Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SL0016	K1012914-015	88.2	84.3	86.3	5	

COLUMBIA ANALYTICAL SERVICES, INC.

EPA Method 160.3 - Total Solids

226621

Group ID:	KWG1012864				
Analyst:	SArwood			**Reviewed By:**	BDK
Date Acquired:	11/23/2010 18:19	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	11/24/10
Date Completed:	11/24/2010 10:53	**Oven TempEnd:**	105 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
1	K1012914-003	SL0003	SEDIMENT	1.35g	12.32g	10.90g	87.1		
2	K1012914-004	SL0004	SEDIMENT	1.31g	13.75g	12.50g	90.0		
3	K1012914-005	SL0005	SEDIMENT	1.36g	12.35g	11.23g	89.8		
4	K1012914-006	SL0006	SEDIMENT	1.35g	10.54g	9.52g	88.9		
5	K1012914-007	SL0007	SEDIMENT	1.35g	9.92g	8.91g	88.2		
6	K1012914-008	SL0008	SEDIMENT	1.34g	13.50g	10.87g	78.4		
7	K1012914-011	SL0012	SEDIMENT	1.34g	13.41g	12.33g	91.1		
8	K1012914-012	SL0013	SEDIMENT	1.35g	13.22g	10.88g	80.3		
9	K1012914-013	SL0014	SEDIMENT	1.34g	15.62g	12.96g	81.4		
10	K1012914-014	SL0015	SEDIMENT	1.34g	10.62g	9.60g	89.0		
11	K1012914-015	SL0016	SEDIMENT	1.34g	11.96g	10.71g	88.2		
12	K1012914-020	SL0021	SEDIMENT	1.36g	12.99g	11.24g	85.0		
13	K1012914-021	SL0022	SEDIMENT	1.34g	10.34g	8.94g	84.4		
14	K1012914-022	SL0023	SEDIMENT	1.35g	10.45g	8.22g	75.5		
15	K1012914-023	SL0024	SEDIMENT	1.36g	10.47g	7.10g	63.0		
16	K1012914-024	SL0025	SEDIMENT	1.36g	11.11g	9.76g	86.2		
17	K1012914-025	SL0026	SEDIMENT	1.35g	11.43g	10.50g	90.8		
18	K1012914-026	SL0027	SEDIMENT	1.35g	9.43g	7.56g	76.9		
19	K1012914-027	SL0028	SEDIMENT	1.35g	14.34g	12.45g	85.5		
20	K1012914-028	SL0011	SEDIMENT	1.32g	14.14g	12.91g	90.4		
21	K1012926-022	EH008 Dup	SOIL	1.34g	10.45g	9.69g	91.7		
22	K1012926-023	EH013 Dup	SOIL	1.34g	10.74g	8.13g	72.2		
23	K1012932-001	SLDF-O-SS	SOIL	1.32g	8.84g	8.74g	98.7		
24	K1012932-002	PO-O-SS	SOIL	1.34g	11.27g	11.17g	99.0		
25	K1012932-003	PF-O-SS	SOIL	1.34g	9.88g	9.72g	98.1		
26	K1012932-004	LC-F-SS	SOIL	1.35g	6.88g	6.76g	97.8		

23

Group ID:	KWG1012864				
Analyst:	SArwood			**Reviewed By:**	BDK
Date Acquired:	11/23/2010 18:19	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	11/24/10
Date Completed:	11/24/2010 10:53	**Oven TempEnd:**	105 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
27	K1012932-005	LC-O-SS	SOIL	1.33g	11.71g	11.32g	96.2		
28	K1012932-006	FS-F-SS	SOIL	1.31g	11.28g	10.92g	96.4		
29	K1012932-007	FS-O-SS	SOIL	1.33g	11.32g	10.69g	93.7		
30	K1012932-008	SB-F-SS	SOIL	1.33g	11.28g	10.73g	94.5		
31	K1012932-009	SB-O-SS	SOIL	1.32g	11.15g	10.71g	95.5		
32	K1012932-010	CL-O-SS	SOIL	1.31g	11.34g	11.20g	98.6		
33	K1012932-011	CR-O-SS	SOIL	1.32g	5.82g	5.75g	98.4		
34	K1012932-012	CR-F-SS	SOIL	1.30g	11.39g	10.96g	95.7		
35	K1012932-013	LR-O-SS	SOIL	1.31g	11.25g	11.21g	99.6		
36	K1012932-014	DA-O-SS	SOIL	1.33g	11.35g	11.33g	99.8		
37	K1012932-015	TM-O-SS	SOIL	1.31g	11.43g	11.31g	98.8		
38	K1012932-016	TM-F-SS	SOIL	1.31g	11.24g	11.03g	97.9		
39	K1012932-017	AL-F-SS	SOIL	1.33g	11.05g	10.98g	99.3		
40	K1012932-018	AL-O-SS	SOIL	1.34g	11.68g	11.64g	99.6		
41	K1012932-019	PL-O-SS	SOIL	1.32g	11.26g	11.08g	98.2		
42	K1012932-020	LW-F-SS	SOIL	1.34g	11.32g	11.05g	97.3		
43	K1012932-021	RA-F-SS	SOIL	1.33g	6.32g	6.08g	95.2		
44	K1012932-022	RO-F-SS	SOIL	1.31g	11.39g	10.95g	95.6		
45	K1013042-001	WWTP DIGESTER	SLUDGE, SOLID	1.34g	13.90g	2.99g	13.1		
46	K1013052-001	10HF5217SO	SOIL	1.34g	14.17g	12.98g	90.7		
47	K1013052-002	10HF5218SO	SOIL	1.34g	11.62g	10.49g	89.0		
48	K1013052-003	10HF5219SO	SOIL	1.33g	10.45g	9.04g	84.5		
49	K1013052-004	10HF5220SO	SOIL	1.30g	10.80g	9.64g	87.8		
50	K1013052-005	10HF5221SO	SOIL	1.32g	8.58g	7.76g	88.7		
51	K1013052-006	10HF5222SO	SOIL	1.29g	10.81g	9.67g	88.0		
52	K1013052-007	10HF5223SO	SOIL	1.30g	10.26g	9.08g	86.8		
53	K1013052-008	10HF5224SO	SOIL	1.31g	10.30g	9.96g	96.2		
54	K1013052-009	10HF5225SO	SOIL	1.31g	9.85g	8.44g	83.5		
55	K1013052-010	10HF5226SO	SOIL	1.31g	10.54g	10.07g	94.9		
56	K1013052-011	10HF5227SO	SOIL	1.30g	11.19g	10.15g	89.5		

24

Group ID:	KWG1012864				
Analyst:	SArwood			**Reviewed By:**	BDK
Date Acquired:	11/23/2010 18:19	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	11/24/10
Date Completed:	11/24/2010 10:53	**Oven TempEnd:**	105 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
57	K1013052-012	10HF5228SO	SOIL	1.35g	13.76g	12.09g	86.5		
58	K1013052-013	10HF5229SO	SOIL	1.35g	11.69g	10.12g	84.8		
59	K1013052-014	10HF5230SO	SOIL	1.31g	13.73g	12.66g	91.4		
60	K1013052-015	10HF5231SO	SOIL	1.31g	12.86g	11.12g	84.9		
61	K1013052-016	10HF5232SO	SOIL	1.31g	10.59g	9.96g	93.2		
62	K1013052-017	10HF5233SO	SOIL	1.31g	10.46g	9.54g	89.9		
63	K1013052-018	10HF5234SO	SOIL	1.31g	12.96g	11.68g	89.0		
64	K1013062-003	Somat	SOIL	1.32g	10.65g	2.13g	8.68		
65	K1013092-001	SB5XB-26-16	SEDIMENT	1.32g	10.37g	8.87g	83.4		
66	K1013092-002	SB5XB-26-18	SEDIMENT	1.32g	16.52g	13.81g	82.2		
67	K1013092-003	SB5XB-27-19	SEDIMENT	1.31g	9.93g	9.03g	89.6		
68	K1013095-001	10-13064	SLUDGE	1.31g	11.27g	2.93g	16.3		
69	K1013107-004	BPT-B5-1	MISC. SOLID	1.30g	18.26g	18.07g	98.9		
70	K1013107-005	BPT-B5-Comp	SOIL	1.31g	10.26g	9.54g	92.0		
71	K1013107-006	BPT-S1	SOIL	1.31g	11.26g	10.25g	89.8		
72	K1013107-007	BPT-S2	SOIL	1.33g	15.89g	14.05g	87.4		
73	K1013108-001	SS-G-01-SS4	SEDIMENT	1.33g	9.37g	7.88g	81.5		
74	K1013108-002	SS-G-01-SS2	SEDIMENT	1.32g	14.38g	10.75g	72.2		
75	K1013108-003	SS-G-01-SS3	SEDIMENT	1.33g	13.46g	9.20g	64.9		
76	K1013108-005	SS-G-01-CR1A	SEDIMENT	1.36g	13.23g	11.87g	88.5		
77	K1013108-006	SS-G-01-SS1	SEDIMENT	1.35g	11.42g	7.02g	56.3		
78	K1013108-007	SS-G-10-SS1	SEDIMENT	1.34g	12.81g	10.51g	79.9		
79	K1013108-008	SS-G-13-SS1	SEDIMENT	1.33g	10.20g	8.73g	83.4		
80	K1013108-009	SS-G-13-SS1D	SEDIMENT	1.33g	12.74g	10.89g	83.8		
81	K1013108-010	SS-G-12-SS1	SEDIMENT	1.33g	13.05g	10.34g	76.9		
82	K1013108-011	SS-G-29-SS2	SEDIMENT	1.33g	12.53g	9.49g	72.9		
83	K1013108-012	SS-G-29-SS1	SEDIMENT	1.32g	8.37g	4.42g	44.0		
84	K1013108-013	SS-G-17-SD1	SEDIMENT	1.33g	10.70g	4.18g	30.4		
85	K1013108-014	SS-G-17-CR1A	SEDIMENT	1.35g	10.27g	6.82g	61.3		
86	KWG1012864-10	Duplicate Client Sample	SOIL	1.31g	10.15g	2.06g	8.48	K1013062-003	RPD= 2

Group ID:	KWG1012864				
Analyst:	SArwood			**Reviewed By:**	BDK
Date Acquired:	11/23/2010 18:19	**Oven TempStart:**	105 DEG C	**Date Reviewed:**	11/24/10
Date Completed:	11/24/2010 10:53	**Oven TempEnd:**	105 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
87	KWG1012864-11	Duplicate Client Sample	SEDIMENT	1.32g	11.99g	10.24g	83.6	K1013092-001	RPD= <1
88	KWG1012864-12	Duplicate Client Sample	SLUDGE	1.32g	11.86g	3.00g	15.9	K1013095-001	2
89	KWG1012864-13	Duplicate Client Sample	SOIL	1.32g	16.69g	15.12g	89.8	K1013107-007	3
90	KWG1012864-14	Duplicate Client Sample	SEDIMENT	1.32g	14.01g	9.74g	66.4	K1013108-003	2
91	KWG1012864-16	Duplicate Client Sample	SEDIMENT	1.33g	11.34g	8.49g	71.5	K1013108-011	2
92	KWG1012864-2	Duplicate Client Sample	SEDIMENT	1.35g	11.93g	10.54g	86.9	K1012914-003	<1
93	KWG1012864-3	Duplicate Client Sample	SEDIMENT	1.35g	11.59g	9.98g	84.3	K1012914-015	5
94	KWG1012864-4	Duplicate Client Sample	SOIL	1.33g	8.25g	8.16g	98.7	K1012932-001	<1
95	KWG1012864-5	Duplicate Client Sample	SOIL	1.32g	6.90g	6.82g	98.6	K1012932-011	<1
96	KWG1012864-6	Duplicate Client Sample	SOIL	1.30g	6.35g	6.08g	94.7	K1012932-021	<1
97	KWG1012864-7	Duplicate Client Sample	SLUDGE, SOLID	1.33g	15.16g	3.14g	13.1	K1013042-001	<1
98	KWG1012864-8	Duplicate Client Sample	SOIL	1.34g	14.54g	13.20g	89.8	K1013052-001	<1
99	KWG1012864-9	Duplicate Client Sample	SOIL	1.31g	11.73g	10.69g	90.0	K1013052-011	<1

General Chemistry Parameters

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/10 - 11/16/10
Date Received: 11/17/10

Prep Method: CAS SOP
Analysis Method: 9060M

Units: Percent
Basis: Dry, per method

Carbon, Total Organic

Sample Name	Lab Code	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
SL0001	K1012914-001	**0.671**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0002	K1012914-002	**0.740**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0003	K1012914-003	**4.41**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0004	K1012914-004	**0.527**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0005	K1012914-005	**0.101**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0006	K1012914-006	**0.105**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0007	K1012914-007	**0.211**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0008	K1012914-008	**0.660**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0009	K1012914-009	**0.330**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0010	K1012914-010	**0.123**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0012	K1012914-011	**0.532**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0013	K1012914-012	**0.289**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0014	K1012914-013	**0.245**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0015	K1012914-014	**0.551**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0016	K1012914-015	**0.583**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0017	K1012914-016	**0.845**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0018	K1012914-017	**0.957**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0019	K1012914-018	**0.902**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0020	K1012914-019	**0.809**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0021	K1012914-020	**2.91**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0022	K1012914-021	**2.11**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0023	K1012914-022	**0.856**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0024	K1012914-023	**8.77**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0025	K1012914-024	**4.07**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0026	K1012914-025	**4.98**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0027	K1012914-026	**3.79**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0028	K1012914-027	**0.944**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0011	K1012914-028	**0.383**		0.050	0.020	1	11/18/10	11/23/10 09:30	
Method Blank	K1012914-MB1	ND	U	0.050	0.020	1	NA	11/23/10 09:30	
Method Blank	K1012914-MB2	ND	U	0.050	0.020	1	NA	11/23/10 09:30	
Method Blank	K1012914-MB3	ND	U	0.050	0.020	1	NA	11/23/10 09:30	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA
		Date Analyzed:	11/23/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	Batch QC	**Units:**	Percent
Lab Code:	K1012381-010	**Basis:**	Dry, per method

Analyte Name	Method	MRL	MDL	Sample Result	Batch QCDUP Duplicate Sample K1012381-010DUP1 Result	Average	RPD	RPD Limit
Carbon, Total Organic	9060M	0.050	0.020	2.73	2.69	2.71	1	27

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/10
Sample Matrix:	Sediment	**Date Received:**	11/17/10
		Date Analyzed:	11/23/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	SL0012	**Units:**	Percent
Lab Code:	K1012914-011	**Basis:**	Dry, per method

Analyte Name	Method	MRL	MDL	Sample Result	SL0012DUP Duplicate Sample K1012914-011DUP3 Result	Average	RPD	RPD Limit
Carbon, Total Organic	9060M	0.050	0.020	0.532	0.458	0.495	15	27

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA
		Date Analyzed:	11/23/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	Batch QC	**Units:**	Percent
Lab Code:	KQ1012956-18	**Basis:**	Dry, per method

Analyte Name	Method	MRL	MDL	Sample Result	Batch QCDUP Duplicate Sample KQ1012956-18DUP5 Result	Average	RPD	RPD Limit
Carbon, Total Organic	9060M	0.050	0.020	2.73	2.69	2.71	1	27

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA
Date Analyzed: 11/23/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: Batch QC
Lab Code: K1012381-010

Units: Percent
Basis: Dry, per method

Analytical Method: 9060M

		Batch QCMS Matrix Spike K1012381-010MS1			Batch QCDMS Duplicate Matrix Spike K1012914-D010MS1					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Carbon, Total Organic	2.73	9.35	6.32	105	12.5	10.4	94	69 - 123	11	27

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/10
Date Received: 11/17/10
Date Analyzed: 11/23/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SL0012
Lab Code: K1012914-011

Units: Percent
Basis: Dry, per method

Analytical Method: 9060M

		SL0012MS Matrix Spike K1012914-011MS3			SL0012DMS Duplicate Matrix Spike K1012914-D011MS3					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Carbon, Total Organic	0.532	4.07	3.72	95	2.96	2.56	95	69 - 123	<1	27

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA
Date Analyzed: 11/23/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: Batch QC
Lab Code: KQ1012956-18

Units: Percent
Basis: Dry, per method

Analytical Method: 9060M

		Batch QCMS Matrix Spike KQ1012956-18MS5			Batch QCDMS Duplicate Matrix Spike K1012914-D18MS5					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Carbon, Total Organic	2.73	9.35	6.32	105	12.5	10.4	94	69 - 123	11	27

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Analyzed: 11/23/10

Lab Control Sample Summary
General Chemistry Parameters

Units: Percent
Basis: Dry, per method

Analyte Name	Method	Lab Control Sample K1012914-LCS1 Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic	9060M	0.277	0.330	84	74 - 118

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Analyzed: 11/23/10

Lab Control Sample Summary
General Chemistry Parameters

Units: Percent
Basis: Dry, per method

Analyte Name	Method	Lab Control Sample K1012914-LCS2 Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic	9060M	0.273	0.330	83	74 - 118

Results flagged with an asterisk (*) indicate values outside control criteria.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Analyzed: 11/23/10

Lab Control Sample Summary
General Chemistry Parameters

Units: Percent
Basis: Dry, per method

Analyte Name	Method	Lab Control Sample K1012914-LCS3 Result	Spike Amount	% Rec	% Rec Limits
Carbon, Total Organic	9060M	0.310	0.330	94	74 - 118

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Continuing Calibration Verification (CCV) Summary
Carbon, Total Organic

Analytical Method: 9060M

Units: Percent

	Analysis Lot	Lab Code	Date Analyzed	True Value	Measured Value	Percent Recovery	Acceptance Limits
CCV1	226606	KQ1012956-31	11/23/10 09:30	20.0	19.1	95	90 - 110
CCV2	226606	KQ1012956-32	11/23/10 09:30	20.0	19.2	96	90 - 110
CCV3	226606	KQ1012956-33	11/23/10 09:30	20.0	19.5	97	90 - 110
CCV4	226606	KQ1012956-34	11/23/10 09:30	20.0	19.4	97	90 - 110
CCV5	226606	KQ1012956-35	11/23/10 09:30	20.0	19.6	98	90 - 110
CCV6	226606	KQ1012956-36	11/23/10 09:30	20.0	19.9	99	90 - 110
CCV7	226606	KQ1012956-37	11/23/10 09:30	20.0	19.1	95	90 - 110
CCV8	226606	KQ1012956-38	11/23/10 09:30	20.0	18.9	95	90 - 110
CCV9	226606	KQ1012956-39	11/23/10 09:30	20.0	19.6	98	90 - 110

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Continuing Calibration Blank (CCB) Summary
Carbon, Total Organic

Analytical Method: 9060M

Units: Percent

	Analysis Lot	Lab Code	Date Analyzed	MRL	Result	Q
CCB1	226606	KQ1012956-22	11/23/10 09:30	0.050	ND	U
CCB2	226606	KQ1012956-23	11/23/10 09:30	0.050	ND	U
CCB3	226606	KQ1012956-24	11/23/10 09:30	0.050	ND	U
CCB4	226606	KQ1012956-25	11/23/10 09:30	0.050	ND	U
CCB5	226606	KQ1012956-26	11/23/10 09:30	0.050	ND	U
CCB6	226606	KQ1012956-27	11/23/10 09:30	0.050	ND	U
CCB7	226606	KQ1012956-28	11/23/10 09:30	0.050	ND	U
CCB8	226606	KQ1012956-29	11/23/10 09:30	0.050	ND	U
CCB9	226606	KQ1012956-30	11/23/10 09:30	0.050	ND	U

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/10
Sample Matrix:	Sediment	**Date Received:**	11/17/10
Prep Method:	Method	**Units:**	mg/Kg
Analysis Method:	9012A	**Basis:**	Dry

Cyanide, Total

Sample Name	Lab Code	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
SL0001	K1012914-001	ND	U	0.22	1	11/22/10	11/23/10 10:30	
SL0002	K1012914-002	ND	U	0.21	1	11/22/10	11/23/10 10:30	
SL0009	K1012914-009	ND	U	0.19	1	11/22/10	11/23/10 10:30	
SL0010	K1012914-010	ND	U	0.20	1	11/22/10	11/23/10 10:30	
SL0017	K1012914-016	ND	U	0.22	1	11/22/10	11/23/10 10:30	
SL0018	K1012914-017	**0.50**		0.21	1	11/22/10	11/23/10 10:30	
SL0019	K1012914-018	**7.7**		1.0	5	11/24/10	11/24/10 14:30	
SL0020	K1012914-019	**0.19**		0.18	1	11/22/10	11/23/10 10:30	
Method Blank	K1012914-MB1	ND	U	0.19	1	11/22/10	11/23/10 10:30	
Method Blank	K1012914-MB2	ND	U	0.20	1	11/24/10	11/24/10 14:30	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/10
Sample Matrix:	Sediment	**Date Received:**	11/17/10
		Date Analyzed:	11/23/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	SL0001	**Units:**	mg/Kg
Lab Code:	K1012914-001	**Basis:**	Dry

Analyte Name	Method	MRL	Sample Result	SL0001DUP Duplicate Sample K1012914-001DUP2 Result	Average	RPD	RPD Limit
Cyanide, Total	9012A	0.23	ND U	ND U	NC	NC	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/10
Sample Matrix:	Sediment	**Date Received:**	11/17/10
		Date Analyzed:	11/24/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	SL0019	**Units:**	mg/Kg
Lab Code:	K1012914-018	**Basis:**	Dry

Analyte Name	Method	MRL	Sample Result	SL0019DUP Duplicate Sample K1012914-018DUP4 Result	Average	RPD	RPD Limit
Cyanide, Total	9012A	1.1	7.7	8.8	8.25	13	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/10
Date Received: 11/17/10
Date Analyzed: 11/23/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SL0001
Lab Code: K1012914-001

Units: mg/Kg
Basis: Dry

Analytical Method: 9012A
Prep Method: Method

		SL0001MS Matrix Spike K1012914-001MS2			SL0001DMS Duplicate Matrix Spike K1012914-D001MS2					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Cyanide, Total	ND	2.28	2.32	98	2.18	2.23	98	10 - 165	5	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/10
Date Received: 11/17/10
Date Analyzed: 11/24/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SL0019
Lab Code: K1012914-018

Units: mg/Kg
Basis: Dry

Analytical Method: 9012A
Prep Method: Method

		SL0019MS Matrix Spike K1012914-018MS4			SL0019DMS Duplicate Matrix Spike K1012914-D018MS4					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Cyanide, Total	7.7	9.98	2.3	101	10.7	2.2	134	10 - 165	7	20

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Analyzed: 11/23/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/Kg
Basis: Dry

		Lab Control Sample K1012914-LCS1			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Cyanide, Total	9012A	35.0	33.3	105	78 - 110

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Analyzed: 11/24/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/Kg
Basis: Dry

		Lab Control Sample K1012914-LCS2			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Cyanide, Total	9012A	35.3	33.3	106	78 - 110

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Continuing Calibration Verification (CCV) Summary
Cyanide, Total

Analytical Method: 9012A

Units: µg/L

	Analysis Lot	Lab Code	Date Analyzed	True Value	Measured Value	Percent Recovery	Acceptance Limits
CCV1	226767	KQ1013004-06	11/23/10 10:30	100	101	101	90 - 110
CCV2	226767	KQ1013004-07	11/23/10 10:30	100	102	102	90 - 110
CCV3	226767	KQ1013004-08	11/23/10 10:30	100	101	101	90 - 110
CCV4	226767	KQ1013004-09	11/23/10 10:30	100	102	102	90 - 110
CCV5	226767	KQ1013004-10	11/23/10 10:30	100	102	102	90 - 110
CCV6	226767	KQ1013004-15	11/23/10 10:30	100	101	101	90 - 110
CCV7	226767	KQ1013004-16	11/23/10 10:30	100	101	101	90 - 110
CCV8	226767	KQ1013004-17	11/23/10 10:30	100	99.3	99	90 - 110
CCV9	226767	KQ1013004-18	11/23/10 10:30	100	101	101	90 - 110
CCV10	226821	KQ1013020-05	11/24/10 14:30	100	101	101	90 - 110
CCV11	226821	KQ1013020-06	11/24/10 14:30	100	101	101	90 - 110
CCV12	226821	KQ1013020-07	11/24/10 14:30	100	99.3	99	90 - 110
CCV13	226821	KQ1013020-08	11/24/10 14:30	100	101	101	90 - 110

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Continuing Calibration Blank (CCB) Summary
Cyanide, Total

Analytical Method: 9012A

Units: mg/Kg

	Analysis Lot	Lab Code	Date Analyzed	MRL	Result	Q
CCB1	226767	KQ1013004-01	11/23/10 10:30	0.20	ND	U
CCB2	226767	KQ1013004-02	11/23/10 10:30	0.20	ND	U
CCB3	226767	KQ1013004-03	11/23/10 10:30	0.20	ND	U
CCB4	226767	KQ1013004-04	11/23/10 10:30	0.20	ND	U
CCB5	226767	KQ1013004-05	11/23/10 10:30	0.20	ND	U
CCB6	226767	KQ1013004-11	11/23/10 10:30	0.20	ND	U
CCB7	226767	KQ1013004-12	11/23/10 10:30	0.20	ND	U
CCB8	226767	KQ1013004-13	11/23/10 10:30	0.20	ND	U
CCB9	226767	KQ1013004-14	11/23/10 10:30	0.20	ND	U
CCB10	226821	KQ1013020-01	11/24/10 14:30	0.20	ND	U
CCB11	226821	KQ1013020-02	11/24/10 14:30	0.20	ND	U
CCB12	226821	KQ1013020-03	11/24/10 14:30	0.20	ND	U
CCB13	226821	KQ1013020-04	11/24/10 14:30	0.20	ND	U

Work Request # Original KD1 2914 226821

Tier: V

Date Analyzed: 11/24/10

Analyst: RKatzenmeyer

Analysis: CN- Soils

DATA QUALITY REPORT
INORGANICS

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate? yes/no/NA
2. Holding times met for all analyses and for all samples? yes/no/NA
3. Are calculations correct? yes/no/NA
4. Is the reporting basis correct? (Dry Weight) yes/no/NA
5. All quality control criteria met? yes/no/NA
   a. Is the calibration curve correlation coefficient ≥ 0.995? yes/no/NA
   b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency? yes/no/NA
   c. Are ICVs, CCVs, and CCBs all within acceptance limits? yes/no/NA
   d. Are results for methods blanks all ND? yes/no/NA
   e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.) yes/no/NA
   f. Are all exceptions explained? yes/no/NA
6. Are all service requests that apply attached? yes/no/NA
7. Are all samples labelled correctly? yes/no/NA
8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample) yes/no/NA
9. Are detection limits and units reported correctly? yes/no/NA
10. Are proper Analysis/Extraction stickers included on report? yes/no/NA
11. Is the unused space on the benchsheet crossed out? yes/no/NA
12. Was analysis turned in by the due date? (n-2) (If not record SR#) yes/no/NA

COMMENTS:

Final Approved by: BDK Date: 11/24/10

Analytical Results Summary

Instrument Name: K-FIA-03 **Analyst:** RKATZENMYER **Analysis Lot:** 226821 **Method/Testcode:** 9012A/CN Tot

ab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	As Received*	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1012914-018	Cyanide, Total	N/A		Sediment	152.20 µg/L	6508.72	7.7 mg/Kg	5	0.4	1.0			11/24/10 14:30:00	N	V
Q1013019-01	Cyanide, Total	LCS		Sediment	271.70 µg/L	35255.19	35.3 mg/Kg	6	0.8	2.6	106		11/24/10 14:30:00	N	V
Q1013019-02	Cyanide, Total	MB		Sediment	-0.18 µg/L	-1.77	0.20 mg/Kg U	1	0.06	0.20			11/24/10 14:30:00	N	V
Q1013019-03	Cyanide, Total	DUP	K1012914-018	Sediment	165.10 µg/L	7439.62	8.8 mg/Kg	5	0.4	1.1		13	11/24/10 14:30:00	N	V
Q1013019-04	Cyanide, Total	MS	K1012914-018	Sediment	176.70 µg/L	8430.34	9.98 mg/Kg	5	0.4	1.1	101		11/24/10 14:30:00	N	V
Q1013019-05	Cyanide, Total	DMS	K1012914-018	Sediment	193.80 µg/L	9008.93	10.7 mg/Kg	5	0.4	1.1	134	7	11/24/10 14:30:00	N	V
Q1013020-01	Cyanide, Total	CCB		Sediment	0.13 µg/L	1.30	0.20 mg/Kg U	1	0.20	0.20			11/24/10 14:30:00	N	V
Q1013020-02	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/24/10 14:30:00	N	V
Q1013020-03	Cyanide, Total	CCB		Sediment	0.07 µg/L	0.70	0.20 mg/Kg U	1	0.20	0.20			11/24/10 14:30:00	N	V
Q1013020-04	Cyanide, Total	CCB		Sediment	0.50 µg/L	5.00	0.20 mg/Kg U	1	0.20	0.20			11/24/10 14:30:00	N	V
Q1013020-05	Cyanide, Total	CCV		Sediment	101.00 µg/L	1010.00	101 mg/Kg	1					11/24/10 14:30:00	N	V
Q1013020-06	Cyanide, Total	CCV		Sediment	101.40 µg/L	1014.00	101 mg/Kg	1					11/24/10 14:30:00	N	V
Q1013020-07	Cyanide, Total	CCV		Sediment	99.25 µg/L	992.50	99.3 mg/Kg	1					11/24/10 14:30:00	N	V
Q1013020-08	Cyanide, Total	CCV		Sediment	101.30 µg/L	1013.00	101 mg/Kg	1					11/24/10 14:30:00	N	V

50

BDK 11/24/10

Not adjusted for changes in units
indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Author: Omnion User

Date : 11/24/2010

Original Run Filename: OM_11-24-2010_02-03-38PM.OMN created 11/24/2010 2:03:38 PM
Original Run Author's Signature: [Omnion User]
Current Run Filename: OM_11-24-2010_02-03-38PM.OMN last modified 11/24/2010 2:50:39 PM
Current Run Author's Signature: [Omnion User]
Description: Default new Run

Sample	Rep.	Channel 2 Cyanide (ug/L)
Cal Std A	1	300.0
Cal Std B	1	200.0
Cal Std C	1	150.0
Cal Std D	1	100.0
Cal Std E	1	50.00
Cal Std F	1	20.00
Cal Std G	1	10.00
	2	10.00
Blank	1	0.000
	2	0.000
ICV	1	139.1
Calibration:		Table/Fig. 1
ICB	1	0.01886
CCV	1	101.0
Known Conc:		100.0
CCB	1	0.1295
Known Conc:		0.000
MB	1	0.2103
0.15X2	1	139.1
0.05	1	90.99
LCS	1	136.2
LCS-D	1	135.6
2845-1	1	0.7881
2845-1D	1	0.2740
2845-1MS	1	0.1904
2845-1MSD	1	0.5762
2845-1MSX2	1	0.4229
CCV	1	101.4
Known Conc:		100.0
CCB	1	-0.005077
Known Conc:		0.000
2845-2	1	0.5511
3174-1	1	0.2984
MB-SOIL	1	-0.1784
LCS-SOIL	1	271.7
2914-18	1	590.5
2914-18D	1	634.6
2914-18MS	1	872.2
2914-18MSD	1	945.8
2914-19 RECHK	1	26.66
3042-1 RECHK	1	2.389
CCV	1	99.25
Known Conc:		100.0
CCB	1	0.07366
Known Conc:		0.000
3095-1 RECHK	1	4.054
3095-1D RECHK	1	4.873
3095-1T RECHK	1	2.774
2914-18X5	1	152.2
2914-18DX5	1	165.1
2914-18MSX5	1	176.7
2914-18MSDX5	1	193.8
2914-19	1	20.85
CCV	1	101.3
Known Conc:		100.0
CCB	1	0.5054
Known Conc:		0.000

1

2

3

4

93%

226821

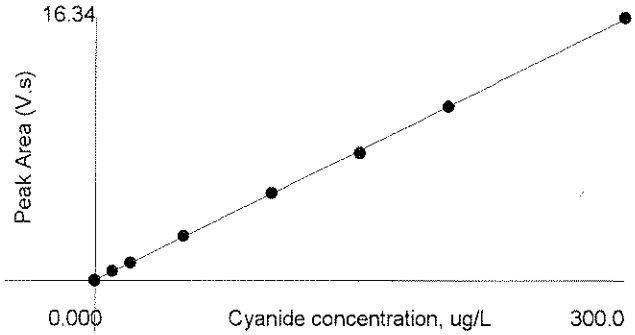
BDK

11/24/10

Table 1: Cyanide

	Known Conc. (ug/L)	Rep	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc. (ug/L)	Detection Date	Detection Time
1	300.0	1	16.34	1.032	0.0	-0.4	301.2	11/24/2010	2:04:29 PM
2	200.0	1	10.85	0.6865	0.0	0.0	199.9	11/24/2010	2:05:20 PM
3	150.0	1	7.980	0.5021	0.0	2.0	147.0	11/24/2010	2:06:12 PM
4	100.0	1	5.466	0.3466	0.0	-0.6	100.6	11/24/2010	2:07:04 PM
5	50.00	1	2.763	0.1761	0.0	-1.4	50.71	11/24/2010	2:07:57 PM
6	20.00	1	1.095	0.06903	0.0	0.4	19.93	11/24/2010	2:08:50 PM
7	10.00	1	0.5881	0.03752	2.7	-5.5	10.58	11/24/2010	2:09:45 PM
8	10.00	2	0.5663	0.03699	2.7	-1.6	10.17	11/24/2010	2:10:39 PM
9	0.000	1	0.006642	0.001384			-0.1532	11/24/2010	2:11:34 PM
10	0.000	2	0.01911	0.001642			0.07693	11/24/2010	2:12:29 PM

Figure 1: Cyanide



Area = 0.05419 * Conc + 0.01550
Conc = 18.45 * Area - 0.2757
Correlation Coefficient (r) = 0.99994

No Weighting

BPK 11/24/10

Method: EPA 335.1 / 335.4

9012 / SM 4500-CN I&E / SM 4500-CN C&E

Analysis: Analysis: Total CN^- CN^- WAD Chlor. CN^-

Method modified using the Lachat Autoanalyzer for the colorimetric analysis.

Date Prepared	Lab Sample ID	Sample Dilution	Initial Wt./Vol. (g) or (ml)	Final Volume (ml)	ug/L (in solution)	mg/L - mg/kg As Rec'd	% Solids	mg/kg Dry Wt.	Reported mg/Kg(Dry)
########	LCS	6	1.156	25	271.7	35.255	100.0	35.255	35.255
11/24/10	0.05	1	50	25	90.99	0.045			
	0.15	2	50	25	139.1	0.139			
	12914-18 ms	5	2.620	25	176.7	8.430	84.5	9.977	9.977
	12914-18 msd	5	2.689	25	193.8	9.009	84.5	10.661	10.661
	12914-18	5	2.923	25	152.2	6.509	84.5	7.703	7.703
	12914-18d	5	2.774	25	165.1	7.440	84.5	8.804	8.804

Comments: All standards and total cyanides distilled with sulfamic acid.

LCS T.V. =33.3 mg/kg **% REC:** 106%

0.15 Distilled = (0.75 mL x 10 ppm KCN) / 50 mL 90% **%REC=**

0.05 Distilled= (0.25 mL x 10 ppm KCN) / 50 mL 93% **%REC=**

(9.977 - 7.703) =

ms= ((0.50 mL x 10 ppm KCN) / (2.620 x .845) = 2.258 **% REC: =** 101%

x = **RPD =** (10.661 - 7.703)

msd= ((0.50 mL x 10 ppm KCN) / (2.689 x .845) = 2.201 **% REC: =** 134%

Prepared By:	Date Prepared:
Analyzed By:	Date Analyzed:
Reviewed By: BDK	Date Reviewed: 11/24/10

Analytical Results Summary

Instrument Name: K-Balance-16 **Analyst:** SARWOOD **Analysis Lot:** 226165 **Method/Testcode:** TS-MET/Total Solids

ab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed		
1012914-001	Solids, Total	N/A		Sediment	83.80 Percent	g	83.8 Percent	1					11/19/10	N	V
1012914-002	Solids, Total	N/A		Sediment	88.20 Percent	g	88.2 Percent	1					11/19/10	N	V
1012914-003	Solids, Total	N/A		Sediment	87.10 Percent	g	87.1 Percent	1					11/23/10	N	V
1012914-004	Solids, Total	N/A		Sediment	90.00 Percent	g	90.0 Percent	1					11/23/10	N	V
1012914-005	Solids, Total	N/A		Sediment	89.80 Percent	g	89.8 Percent	1					11/23/10	N	V
1012914-006	Solids, Total	N/A		Sediment	88.90 Percent	g	88.9 Percent	1					11/23/10	N	V
1012914-007	Solids, Total	N/A		Sediment	88.20 Percent	g	88.2 Percent	1					11/23/10	N	V
1012914-008	Solids, Total	N/A		Sediment	78.40 Percent	g	78.4 Percent	1					11/23/10	N	V
1012914-009	Solids, Total	N/A		Sediment	85.40 Percent	g	85.4 Percent	1					11/19/10	N	V
1012914-010	Solids, Total	N/A		Sediment	88.70 Percent	g	88.7 Percent	1					11/19/10	N	V
1012914-011	Solids, Total	N/A		Sediment	91.10 Percent	g	91.1 Percent	1					11/23/10	N	V
1012914-012	Solids, Total	N/A		Sediment	80.30 Percent	g	80.3 Percent	1					11/23/10	N	V
1012914-013	Solids, Total	N/A		Sediment	81.40 Percent	g	81.4 Percent	1					11/23/10	N	V
1012914-014	Solids, Total	N/A		Sediment	89.00 Percent	g	89.0 Percent	1					11/23/10	N	V
1012914-015	Solids, Total	N/A		Sediment	88.20 Percent	g	88.2 Percent	1					11/23/10	N	V
1012914-016	Solids, Total	N/A		Sediment	82.60 Percent	g	82.6 Percent	1					11/19/10	N	V
1012914-017	Solids, Total	N/A		Sediment	82.00 Percent	g	82.0 Percent	1					11/19/10	N	V
1012914-018	Solids, Total	N/A		Sediment	84.50 Percent	g	84.5 Percent	1					11/19/10	N	V
1012914-019	Solids, Total	N/A		Sediment	85.10 Percent	g	85.1 Percent	1					11/19/10	N	V
1012914-020	Solids, Total	N/A		Sediment	85.00 Percent	g	85.0 Percent	1					11/23/10	N	V
1012914-021	Solids, Total	N/A		Sediment	84.40 Percent	g	84.4 Percent	1					11/23/10	N	V
1012914-022	Solids, Total	N/A		Sediment	75.50 Percent	g	75.5 Percent	1					11/23/10	N	V
1012914-023	Solids, Total	N/A		Sediment	63.00 Percent	g	63.0 Percent	1					11/23/10	N	V
1012914-024	Solids, Total	N/A		Sediment	86.20 Percent	g	86.2 Percent	1					11/23/10	N	V
1012914-025	Solids, Total	N/A		Sediment	90.80 Percent	g	90.8 Percent	1					11/23/10	N	V
1012914-026	Solids, Total	N/A		Sediment	76.90 Percent	g	76.9 Percent	1					11/23/10	N	V
1012914-027	Solids, Total	N/A		Sediment	85.50 Percent	g	85.5 Percent	1					11/23/10	N	V
1012914-028	Solids, Total	N/A		Sediment	90.40 Percent	g	90.4 Percent	1					11/23/10	N	V

ndicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124555
Team: GenChem
Analyst: rk

Prep Workflow: Gen Dist CN
Prep Method: Method
Rush/NPDES: RUSH

Status: Prepped
Current Step: Distillation

Prep Date: 11/24/2010 11:00
Due Date: 11/23/2010

Lab Code	Client ID	Bottle #	Initial Amt	Final Volume	Spike Amt	Spike ID	Comments
KQ1013019-02	Method Blank		2.518 g	25 mL			
KQ1013019-01	Lab Control Sample		1.156 g	25 mL	1 g	21678	
K1012914-018	SL0019	.02	2.923 g	25 mL			
K1012914-018: KQ1013019-03	Duplicate	.02	2.774 g	25 mL			
K1012914-018: KQ1013019-04	Matrix Spike	.02	2.620 g	25 mL	0.5 mL	23627	
K1012914-018: KQ1013019-05	Duplicate Matrix Spike	.02	2.689 g	25 mL	0.5 mL	23627	

6 Total Samples consisting of 1 Client Sample, 3 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires	Name	Type	ID	Expires
Cyanide 10 ppm as CN	Spike	23627	12/16/2010	Cyanide LCS Soil	Spike	21678	6/20/2013

Preparation Materials

Preparation Hardware / Equipment

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Distillation	24-NOV-10 11:00	24-NOV-10 13:00	rk		N	

Comments

Review

Reviewed by: BDK Date: 11/24/10

d 266 06

Work Request # Original (2413) 2381, 2416, [redacted] 0381, 671, 2702, 2453

Tier: III III III V V V III III

Date Analyzed: 11/23/10

Analyst: CV

Analysis: TOC Soil

DATA QUALITY REPORT
INORGANICS

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate? yes/no/NA
2. Holding times met for all analyses and for all samples? yes/no/NA
3. Are calculations correct? yes/no/NA
4. Is the reporting basis correct? (Dry Weight) yes/no/NA
5. All quality control criteria met? yes/no/NA
   a. Is the calibration curve correlation coefficient ≥ 0.995? yes/no/NA
   b. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency? yes/no/NA
   c. Are ICVs, CCVs, and CCBs all within acceptance limits? yes/no/NA
   d. Are results for methods blanks all ND? yes/no/NA
   e. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.) yes/no/NA
   f. Are all exceptions explained? yes/no/NA
6. Are all service requests that apply attached? yes/no/NA
7. Are all samples labelled correctly? yes/no/NA
8. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample) yes/no/NA
9. Are detection limits and units reported correctly? yes/no/NA
10. Are proper Analysis/Extraction stickers included on report? yes/no/NA
11. Is the unused space on the benchsheet crossed out? yes/no/NA
12. Was analysis turned in by the due date? (n-2) (If not record SR#) yes/no/NA

COMMENTS:

2414 - Rush

Final Approved by: BPK Date: 11/24/10

DQREPORT

Analytical Results Summary

Instrument Name: K-TOC-02 **Analyst:** CVECCHITTO **Analysis Lot:** 226606 **Method/Testcode:** EPA LKahn 7-27-1988/Kahn TOC

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
K1010381-005	Carbon, Total Organic (TOC)	N/A		Sediment	3.23 Percent	1 mg	3.23 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1011671-004	Carbon, Total Organic (TOC)	N/A		Soil	1.43 Percent	1 mg	1.43 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012143-001	Carbon, Total Organic (TOC)	N/A		Sediment	5.11 Percent	1 mg	5.11 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012143-002	Carbon, Total Organic (TOC)	N/A		Sediment	4.40 Percent	1 mg	4.40 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012143-003	Carbon, Total Organic (TOC)	N/A		Sediment	0.72 Percent	1 mg	0.724 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012143-004	Carbon, Total Organic (TOC)	N/A		Sediment	5.82 Percent	1 mg	5.82 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012143-005	Carbon, Total Organic (TOC)	N/A		Sediment	1.49 Percent	1 mg	1.49 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012143-006	Carbon, Total Organic (TOC)	N/A		Sediment	0.82 Percent	1 mg	0.817 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012143-007	Carbon, Total Organic (TOC)	N/A		Sediment	1.40 Percent	1 mg	1.40 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012381-010	Carbon, Total Organic	N/A		Sediment	2.73 Percent	1 mg	2.73 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012413-001	Carbon, Total Organic	N/A		Sediment	33.58 Percent	1 mg	33.6 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012413-002	Carbon, Total Organic	N/A		Sediment	18.82 Percent	1 mg	18.8 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012413-003	Carbon, Total Organic	N/A		Sediment	4.00 Percent	1 mg	4.00 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012413-004	Carbon, Total Organic	N/A		Sediment	3.36 Percent	1 mg	3.36 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012413-005	Carbon, Total Organic	N/A		Sediment	4.16 Percent	1 mg	4.16 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012413-007	Carbon, Total Organic	N/A		Sediment	2.55 Percent	1 mg	2.55 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012413-008	Carbon, Total Organic	N/A		Sediment	3.65 Percent	1 mg	3.65 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012413-009	Carbon, Total Organic	N/A		Sediment	2.88 Percent	1 mg	2.88 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012416-001	Carbon, Total Organic	N/A		Sediment	2.47 Percent	1 mg	2.47 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012416-002	Carbon, Total Organic	N/A		Sediment	1.71 Percent	1 mg	1.71 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012416-003	Carbon, Total Organic	N/A		Sediment	1.74 Percent	1 mg	1.74 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012416-004	Carbon, Total Organic	N/A		Sediment	0.82 Percent	1 mg	0.824 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012416-005	Carbon, Total Organic	N/A		Sediment	0.55 Percent	1 mg	0.553 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012416-006	Carbon, Total Organic	N/A		Sediment	3.47 Percent	1 mg	3.47 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012416-007	Carbon, Total Organic	N/A		Sediment	1.74 Percent	1 mg	1.74 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012416-008	Carbon, Total Organic	N/A		Sediment	0.85 Percent	1 mg	0.848 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012416-009	Carbon, Total Organic	N/A		Sediment	4.03 Percent	1 mg	4.03 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012702-001	Carbon, Total Organic	N/A		Sediment	17.43 Percent	1 mg	17.4 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012702-002	Carbon, Total Organic	N/A		Sediment	7.55 Percent	1 mg	7.55 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012702-003	Carbon, Total Organic	N/A		Sediment	14.04 Percent	1 mg	14.0 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012702-004	Carbon, Total Organic	N/A		Sediment	15.24 Percent	1 mg	15.2 Percent	1	0.020	0.050			11/23/10 09:30	N	III
K1012914-001	Carbon, Total Organic	N/A		Sediment	0.67 Percent	1 mg	0.671 Percent	1	0.020	0.050			11/23/10 09:30	N	V

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

57

Analytical Results Summary

Instrument Name: K-TOC-02 **Analyst:** CVECCHITTO **Analysis Lot:** 226606 **Method/Testcode:** 9060M/TOC

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
K1012914-002	Carbon, Total Organic	N/A		Sediment	0.74 Percent	1 mg	0.740 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-003	Carbon, Total Organic	N/A		Sediment	4.42 Percent	1 mg	4.41 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-004	Carbon, Total Organic	N/A		Sediment	0.53 Percent	1 mg	0.527 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-005	Carbon, Total Organic	N/A		Sediment	0.10 Percent	1 mg	0.101 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-006	Carbon, Total Organic	N/A		Sediment	0.10 Percent	1 mg	0.105 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-007	Carbon, Total Organic	N/A		Sediment	0.21 Percent	1 mg	0.211 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-008	Carbon, Total Organic	N/A		Sediment	0.66 Percent	1 mg	0.660 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-009	Carbon, Total Organic	N/A		Sediment	0.33 Percent	1 mg	0.330 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-010	Carbon, Total Organic	N/A		Sediment	0.12 Percent	1 mg	0.123 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-011	Carbon, Total Organic	N/A		Sediment	0.53 Percent	1 mg	0.532 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-012	Carbon, Total Organic	N/A		Sediment	0.29 Percent	1 mg	0.289 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-013	Carbon, Total Organic	N/A		Sediment	0.25 Percent	1 mg	0.245 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-014	Carbon, Total Organic	N/A		Sediment	0.55 Percent	1 mg	0.551 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-015	Carbon, Total Organic	N/A		Sediment	0.58 Percent	1 mg	0.583 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-016	Carbon, Total Organic	N/A		Sediment	0.84 Percent	1 mg	0.845 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-017	Carbon, Total Organic	N/A		Sediment	0.96 Percent	1 mg	0.957 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-018	Carbon, Total Organic	N/A		Sediment	0.90 Percent	1 mg	0.902 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-019	Carbon, Total Organic	N/A		Sediment	0.81 Percent	1 mg	0.809 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-020	Carbon, Total Organic	N/A		Sediment	2.91 Percent	1 mg	2.91 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-021	Carbon, Total Organic	N/A		Sediment	2.11 Percent	1 mg	2.11 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-022	Carbon, Total Organic	N/A		Sediment	0.86 Percent	1 mg	0.856 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-023	Carbon, Total Organic	N/A		Sediment	8.77 Percent	1 mg	8.77 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-024	Carbon, Total Organic	N/A		Sediment	4.07 Percent	1 mg	4.07 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-025	Carbon, Total Organic	N/A		Sediment	4.98 Percent	1 mg	4.98 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-026	Carbon, Total Organic	N/A		Sediment	3.79 Percent	1 mg	3.79 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-027	Carbon, Total Organic	N/A		Sediment	0.94 Percent	1 mg	0.944 Percent	1	0.020	0.050			11/23/10 09:30	N	V
K1012914-028	Carbon, Total Organic	N/A		Sediment	0.38 Percent	1 mg	0.383 Percent	1	0.020	0.050			11/23/10 09:30	N	V
KQ1012956-01	Carbon, Total Organic (TOC)	MS	K1011671-004	Soil	5.90 Percent	1 mg	5.90 Percent	1	0.020	0.050	87		11/23/10 09:30	N	V
KQ1012956-02	Carbon, Total Organic (TOC)	DMS	K1011671-004	Soil	10.63 Percent	1 mg	10.6 Percent	1	0.020	0.050	103	17	11/23/10 09:30	N	V
KQ1012956-03	Carbon, Total Organic (TOC)	DUP	K1011671-004	Soil	1.41 Percent	1 mg	1.41 Percent	1	0.020	0.050		1	11/23/10 09:30	N	V
KQ1012956-04	Carbon, Total Organic (TOC)	TRP	K1011671-004	Soil	1.54 Percent	1 mg	1.54 Percent	1	0.020	0.050		5	11/23/10 09:30	N	V
KQ1012956-05	Carbon, Total Organic	MB		Sediment	0.00 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	V
KQ1012956-05	Carbon, Total Organic (TOC)	MB		Sediment	0.00 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	V

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

58

Analytical Results Summary

Instrument Name: K-TOC-02 **Analyst:** CVECCHITTO **Analysis Lot:** 226606 **Method/Testcode:** EPA LKahn 7-27-1988/Kahn TOC

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
KQ1012956-05	Carbon, Total Organic (TOC)	MB		Sediment	0.00 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	V
KQ1012956-05	Carbon, Total Organic (TOC)	MB		Sediment	0.00 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	V
KQ1012956-06	Carbon, Total Organic	LCS		Sediment	0.28 Percent	1 mg	0.277 Percent	1	0.020	0.050	84		11/23/10 09:30	N	V
KQ1012956-06	Carbon, Total Organic (TOC)	LCS		Sediment	0.28 Percent	1 mg	0.277 Percent	1	0.020	0.050	84		11/23/10 09:30	N	V
KQ1012956-06	Carbon, Total Organic (TOC)	LCS		Sediment	0.28 Percent	1 mg	0.277 Percent	1	0.020	0.050	84		11/23/10 09:30	N	V
KQ1012956-06	Carbon, Total Organic (TOC)	LCS		Sediment	0.28 Percent	1 mg	0.277 Percent	1	0.020	0.050	84		11/23/10 09:30	N	V
KQ1012956-07	Carbon, Total Organic	DUP	K1012914-011	Sediment	0.46 Percent	1 mg	0.458 Percent	1	0.020	0.050		15	11/23/10 09:30	N	V
KQ1012956-08	Carbon, Total Organic	MS	K1012914-011	Sediment	4.07 Percent	1 mg	4.07 Percent	1	0.020	0.050	95		11/23/10 09:30	N	V
KQ1012956-09	Carbon, Total Organic	DMS	K1012914-011	Sediment	2.96 Percent	1 mg	2.96 Percent	1	0.020	0.050	95	<1	11/23/10 09:30	N	V
KQ1012956-10	Carbon, Total Organic	DUP	K1012381-010	Sediment	2.69 Percent	1 mg	2.69 Percent	1	0.020	0.050		1	11/23/10 09:30	N	III
KQ1012956-11	Carbon, Total Organic	MS	K1012381-010	Sediment	9.35 Percent	1 mg	9.35 Percent	1	0.020	0.050	105		11/23/10 09:30	N	III
KQ1012956-12	Carbon, Total Organic	DMS	K1012381-010	Sediment	12.52 Percent	1 mg	12.5 Percent	1	0.020	0.050	94	11	11/23/10 09:30	N	III
KQ1012956-13	Carbon, Total Organic (TOC)	DUP	K1010381-005	Sediment	3.76 Percent	1 mg	3.76 Percent	1	0.020	0.050		15	11/23/10 09:30	N	V
KQ1012956-14	Carbon, Total Organic	MB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	V
KQ1012956-14	Carbon, Total Organic (TOC)	MB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	V
KQ1012956-14	Carbon, Total Organic (TOC)	MB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	V
KQ1012956-14	Carbon, Total Organic (TOC)	MB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	V
KQ1012956-15	Carbon, Total Organic	LCS		Sediment	0.27 Percent	1 mg	0.273 Percent	1	0.020	0.050	83		11/23/10 09:30	N	V
KQ1012956-15	Carbon, Total Organic (TOC)	LCS		Sediment	0.27 Percent	1 mg	0.273 Percent	1	0.020	0.050	83		11/23/10 09:30	N	V
KQ1012956-15	Carbon, Total Organic (TOC)	LCS		Sediment	0.27 Percent	1 mg	0.273 Percent	1	0.020	0.050	83		11/23/10 09:30	N	V
KQ1012956-15	Carbon, Total Organic (TOC)	LCS		Sediment	0.27 Percent	1 mg	0.273 Percent	1	0.020	0.050	83		11/23/10 09:30	N	V
KQ1012956-16	Carbon, Total Organic	MB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	III
KQ1012956-16	Carbon, Total Organic (TOC)	MB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	III
KQ1012956-16	Carbon, Total Organic (TOC)	MB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	III
KQ1012956-16	Carbon, Total Organic (TOC)	MB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.020	0.050			11/23/10 09:30	N	III
KQ1012956-17	Carbon, Total Organic	LCS		Sediment	0.31 Percent	1 mg	0.310 Percent	1	0.020	0.050	94		11/23/10 09:30	N	III
KQ1012956-17	Carbon, Total Organic (TOC)	LCS		Sediment	0.31 Percent	1 mg	0.310 Percent	1	0.020	0.050	94		11/23/10 09:30	N	III
KQ1012956-17	Carbon, Total Organic (TOC)	LCS		Sediment	0.31 Percent	1 mg	0.310 Percent	1	0.020	0.050	94		11/23/10 09:30	N	III

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

59

Analytical Results Summary

Instrument Name: K-TOC-02 **Analyst:** CVECCHITTO **Analysis Lot:** 226606 **Method/Testcode:** PSEP TOC/PSEP TOC T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
KQ1012956-17	Carbon, Total Organic (TOC)	LCS		Sediment	0.31 Percent	1 mg	0.310 Percent	1	0.020	0.050	94		11/23/10 09:30	N	III
KQ1012956-18	Carbon, Total Organic	N/A		Sediment	2.73 Percent	g	2.73 Percent	1	0.020	0.050			11/23/10 09:30:00	N	III
KQ1012956-18	Carbon, Total Organic (TOC)	N/A		Sediment	2.73 Percent	g	2.73 Percent	1	0.020	0.050			11/23/10 09:30:00	N	III
KQ1012956-18	Carbon, Total Organic (TOC)	N/A		Sediment	2.73 Percent	g	2.73 Percent	1	0.020	0.050			11/23/10 09:30:00	N	III
KQ1012956-18	Carbon, Total Organic (TOC)	N/A		Sediment	2.73 Percent	g	2.73 Percent	1	0.020	0.050			11/23/10 09:30:00	N	III
KQ1012956-19	Carbon, Total Organic	DUP	KQ1012956-18	Sediment	2.69 Percent	g	2.69 Percent	1	0.020	0.050		1	11/23/10 09:30:00	N	III
KQ1012956-19	Carbon, Total Organic (TOC)	DUP	KQ1012956-18	Sediment	2.69 Percent	g	2.69 Percent	1	0.020	0.050		1	11/23/10 09:30:00	N	III
KQ1012956-19	Carbon, Total Organic (TOC)	DUP	KQ1012956-18	Sediment	2.69 Percent	g	2.69 Percent	1	0.020	0.050		1	11/23/10 09:30:00	N	III
KQ1012956-19	Carbon, Total Organic (TOC)	DUP	KQ1012956-18	Sediment	2.69 Percent	g	2.69 Percent	1	0.020	0.050		1	11/23/10 09:30:00	N	III
KQ1012956-20	Carbon, Total Organic	MS	KQ1012956-18	Sediment	9.35 Percent	g	9.35 Percent	1	0.020	0.050	105		11/23/10 09:30:00	N	III
KQ1012956-20	Carbon, Total Organic (TOC)	MS	KQ1012956-18	Sediment	9.35 Percent	g	9.35 Percent	1	0.020	0.050	105		11/23/10 09:30:00	N	III
KQ1012956-20	Carbon, Total Organic (TOC)	MS	KQ1012956-18	Sediment	9.35 Percent	g	9.35 Percent	1	0.020	0.050	105		11/23/10 09:30:00	N	III
KQ1012956-20	Carbon, Total Organic (TOC)	MS	KQ1012956-18	Sediment	9.35 Percent	g	9.35 Percent	1	0.020	0.050	105		11/23/10 09:30:00	N	III
KQ1012956-21	Carbon, Total Organic	DMS	KQ1012956-18	Sediment	12.52 Percent	g	12.5 Percent	1	0.020	0.050	94	11	11/23/10 09:30:00	N	III
KQ1012956-21	Carbon, Total Organic (TOC)	DMS	KQ1012956-18	Sediment	12.52 Percent	g	12.5 Percent	1	0.020	0.050	94	11	11/23/10 09:30:00	N	III
KQ1012956-21	Carbon, Total Organic (TOC)	DMS	KQ1012956-18	Sediment	12.52 Percent	g	12.5 Percent	1	0.020	0.050	94	29*	11/23/10 09:30:00	N	III
KQ1012956-21	Carbon, Total Organic (TOC)	DMS	KQ1012956-18	Sediment	12.52 Percent	g	12.5 Percent	1	0.020	0.050	94	11	11/23/10 09:30:00	N	III
KQ1012956-22	Carbon, Total Organic	CCB		Sediment	0.00 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-22	Carbon, Total Organic (TOC)	CCB		Sediment	0.00 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-22	Carbon, Total Organic (TOC)	CCB		Sediment	0.00 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-22	Carbon, Total Organic (TOC)	CCB		Sediment	0.00 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-23	Carbon, Total Organic	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-23	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-23	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-23	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-24	Carbon, Total Organic	CCB		Sediment	-0.01 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-24	Carbon, Total Organic (TOC)	CCB		Sediment	-0.01 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

60

Analytical Results Summary

Instrument Name: K-TOC-02 **Analyst:** CVECCHITTO **Analysis Lot:** 226606 **Method/Testcode:** ASTM D4129-82M/TOC

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
KQ1012956-24	Carbon, Total Organic (TOC)	CCB		Sediment	-0.01 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-24	Carbon, Total Organic (TOC)	CCB		Sediment	-0.01 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-25	Carbon, Total Organic	CCB		Sediment	-0.01 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-25	Carbon, Total Organic (TOC)	CCB		Sediment	-0.01 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-25	Carbon, Total Organic (TOC)	CCB		Sediment	-0.01 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-25	Carbon, Total Organic (TOC)	CCB		Sediment	-0.01 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-26	Carbon, Total Organic	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-26	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-26	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-26	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-27	Carbon, Total Organic	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-27	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-27	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-27	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-28	Carbon, Total Organic	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-28	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-28	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-28	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-29	Carbon, Total Organic	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-29	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-29	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-29	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-30	Carbon, Total Organic	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-30	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III
KQ1012956-30	Carbon, Total Organic (TOC)	CCB		Sediment	-0.02 Percent	1 mg	0.050 Percent U	1	0.050	0.050			11/23/10 09:30	N	III

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

19

Analytical Results Summary

Instrument Name: K-TOC-02 **Analyst:** CVECCHITTO **Analysis Lot:** 226606 **Method/Testcode:** 9060M/TOC

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
KQ1012956-31	Carbon, Total Organic	CCV		Sediment	19.07 Percent	1 mg	19.1 Percent	1					11/23/10 09:30	N	III
KQ1012956-31	Carbon, Total Organic (TOC)	CCV		Sediment	19.07 Percent	1 mg	19.1 Percent	1					11/23/10 09:30	N	III
KQ1012956-31	Carbon, Total Organic (TOC)	CCV		Sediment	19.07 Percent	1 mg	19.1 Percent	1					11/23/10 09:30	N	III
KQ1012956-31	Carbon, Total Organic (TOC)	CCV		Sediment	19.07 Percent	1 mg	19.1 Percent	1					11/23/10 09:30	N	III
KQ1012956-32	Carbon, Total Organic	CCV		Sediment	19.19 Percent	1 mg	19.2 Percent	1					11/23/10 09:30	N	III
KQ1012956-32	Carbon, Total Organic (TOC)	CCV		Sediment	19.19 Percent	1 mg	19.2 Percent	1					11/23/10 09:30	N	III
KQ1012956-32	Carbon, Total Organic (TOC)	CCV		Sediment	19.19 Percent	1 mg	19.2 Percent	1					11/23/10 09:30	N	III
KQ1012956-32	Carbon, Total Organic (TOC)	CCV		Sediment	19.19 Percent	1 mg	19.2 Percent	1					11/23/10 09:30	N	III
KQ1012956-33	Carbon, Total Organic	CCV		Sediment	19.46 Percent	1 mg	19.5 Percent	1					11/23/10 09:30	N	III
KQ1012956-33	Carbon, Total Organic (TOC)	CCV		Sediment	19.46 Percent	1 mg	19.5 Percent	1					11/23/10 09:30	N	III
KQ1012956-33	Carbon, Total Organic (TOC)	CCV		Sediment	19.46 Percent	1 mg	19.5 Percent	1					11/23/10 09:30	N	III
KQ1012956-33	Carbon, Total Organic (TOC)	CCV		Sediment	19.46 Percent	1 mg	19.5 Percent	1					11/23/10 09:30	N	III
KQ1012956-34	Carbon, Total Organic	CCV		Sediment	19.42 Percent	1 mg	19.4 Percent	1					11/23/10 09:30	N	III
KQ1012956-34	Carbon, Total Organic (TOC)	CCV		Sediment	19.42 Percent	1 mg	19.4 Percent	1					11/23/10 09:30	N	III
KQ1012956-34	Carbon, Total Organic (TOC)	CCV		Sediment	19.42 Percent	1 mg	19.4 Percent	1					11/23/10 09:30	N	III
KQ1012956-34	Carbon, Total Organic (TOC)	CCV		Sediment	19.42 Percent	1 mg	19.4 Percent	1					11/23/10 09:30	N	III
KQ1012956-35	Carbon, Total Organic	CCV		Sediment	19.64 Percent	1 mg	19.6 Percent	1					11/23/10 09:30	N	III
KQ1012956-35	Carbon, Total Organic (TOC)	CCV		Sediment	19.64 Percent	1 mg	19.6 Percent	1					11/23/10 09:30	N	III
KQ1012956-35	Carbon, Total Organic (TOC)	CCV		Sediment	19.64 Percent	1 mg	19.6 Percent	1					11/23/10 09:30	N	III
KQ1012956-35	Carbon, Total Organic (TOC)	CCV		Sediment	19.64 Percent	1 mg	19.6 Percent	1					11/23/10 09:30	N	III
KQ1012956-36	Carbon, Total Organic	CCV		Sediment	19.85 Percent	1 mg	19.9 Percent	1					11/23/10 09:30	N	III
KQ1012956-36	Carbon, Total Organic (TOC)	CCV		Sediment	19.85 Percent	1 mg	19.9 Percent	1					11/23/10 09:30	N	III
KQ1012956-36	Carbon, Total Organic (TOC)	CCV		Sediment	19.85 Percent	1 mg	19.9 Percent	1					11/23/10 09:30	N	III
KQ1012956-36	Carbon, Total Organic (TOC)	CCV		Sediment	19.85 Percent	1 mg	19.9 Percent	1					11/23/10 09:30	N	III
KQ1012956-37	Carbon, Total Organic	CCV		Sediment	19.06 Percent	1 mg	19.1 Percent	1					11/23/10 09:30	N	III
KQ1012956-37	Carbon, Total Organic (TOC)	CCV		Sediment	19.06 Percent	1 mg	19.1 Percent	1					11/23/10 09:30	N	III

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: K-TOC-02 **Analyst:** CVECCHITTO **Analysis Lot:** 226606 **Method/Testcode:** EPA LKahn 7-27-1988/Kahn TOC

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
CQ1012956-37	Carbon, Total Organic (TOC)	CCV		Sediment	19.06 Percent	1 mg	19.1 Percent	1					11/23/10 09:30	N	III
CQ1012956-37	Carbon, Total Organic (TOC)	CCV		Sediment	19.06 Percent	1 mg	19.1 Percent	1					11/23/10 09:30	N	III
CQ1012956-38	Carbon, Total Organic	CCV		Sediment	18.92 Percent	1 mg	18.9 Percent	1					11/23/10 09:30	N	III
CQ1012956-38	Carbon, Total Organic (TOC)	CCV		Sediment	18.92 Percent	1 mg	18.9 Percent	1					11/23/10 09:30	N	III
CQ1012956-38	Carbon, Total Organic (TOC)	CCV		Sediment	18.92 Percent	1 mg	18.9 Percent	1					11/23/10 09:30	N	III
CQ1012956-38	Carbon, Total Organic (TOC)	CCV		Sediment	18.92 Percent	1 mg	18.9 Percent	1					11/23/10 09:30	N	III
CQ1012956-39	Carbon, Total Organic	CCV		Sediment	19.65 Percent	1 mg	19.6 Percent	1					11/23/10 09:30	N	III
CQ1012956-39	Carbon, Total Organic (TOC)	CCV		Sediment	19.65 Percent	1 mg	19.6 Percent	1					11/23/10 09:30	N	III
CQ1012956-39	Carbon, Total Organic (TOC)	CCV		Sediment	19.65 Percent	1 mg	19.6 Percent	1					11/23/10 09:30	N	III
CQ1012956-39	Carbon, Total Organic (TOC)	CCV		Sediment	19.65 Percent	1 mg	19.6 Percent	1					11/23/10 09:30	N	III

63

BDK
11/24/10

/ indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Columbia Analytical Services, Inc.

Service Request #: 2413, 0381, 2381, 2416

Method: 9060s / PSEP (Combustion/Coulometric)

Analysis For: Total Organic Carbon (TOC)

Matrix: Soil / Dry Weight Basis

Sample Number	mg Sample Injected	Sample Reading, µg C	Baseline Reading, µg C	Net µg C	% Carbon	% Carbon Reported
CCV-1	10.9	2094.5	16.3	2078.2	19.066	19.1
CCB-1	50.0	14.8	16.3	-1.5	-0.003	<0.02
LCS-1	32.5	106.2	16.3	89.9	0.277	0.277
MB-1	50.0	15.7	16.3	-0.6	-0.001	<0.02
K1012413-001	17.2	5792.3	16.3	5776.0	33.581	33.6
K1012413-002	21.6	4082.2	16.3	4065.9	18.824	18.8
K1012413-003	27.4	1112.5	16.3	1096.2	4.001	4.00
K1012413-004	20.0	688.3	16.3	672.0	3.360	3.36
K1012413-005	30.7	1294.4	16.3	1278.1	4.163	4.16
K1012413-007	16.6	439.8	16.3	423.5	2.551	2.55
K1012413-008	14.1	531.1	16.3	514.8	3.651	3.65
K1012413-009	11.3	341.3	16.3	325.0	2.876	2.88
CCV-2	9.7	1877.7	16.3	1861.4	19.190	19.2
CCB-2	50.0	8.2	16.3	-8.1	-0.016	<0.02
K1010381-005	46.8	1527.9	16.3	1511.6	3.230	3.23
K1010381-005d	34.4	1311.3	16.3	1295.0	3.765	3.76
K1012381-010	15.1	427.8	16.3	411.5	2.725	2.73
K1012381-010d	19.0	528.1	16.3	511.8	2.694	2.69
K1012381-010ms	11.4	1082.2	16.3	1065.9	9.350	9.35
K1012381-010msd	9.2	1167.8	16.3	1151.5	12.516	12.5
K1012416-001	18.7	478.1	16.3	461.8	2.470	2.47
K1012416-002	24.7	439.2	16.3	422.9	1.712	1.71
K1012416-003	22.1	400.0	16.3	383.7	1.736	1.74
K1012416-004	27.8	245.3	16.3	229.0	0.824	0.824
CCV-3	7.3	1436.8	16.3	1420.5	19.459	19.5
CCB-3	50.0	9.7	16.3	-6.6	-0.013	<0.02

Acid Purge Time: 1 minute **Reading Time:** 5 minutes **TOC % =** $\frac{\text{(Net Reading)(µg 0.1)}}{\text{mg Sample Injected}}$

CCV : Urea EMD (lot #3229B230) ID#: TOCS/1-11-M TV = 20.0%C

CCV1 = 95 CCV2 = 96 CCV3= 97

LCS: ERA Cat#: 542 Lot#: D065-542 ID#: PO3/3-71-A TV = 0.33%C %REC=

Comments :

K2381-10ms =3.6 mg x 20 /11.4 =6.32 % REC=105 RPD=1 x=2.71

K2381-10msd =4.8mg x 20 /9.2 =10.4 % REC=94

K381-5 x=3.50 RPD=15

			date	time
Analyzed By:	cv	Date:	11/23/2010	9:30
Reveiwed By:	BDK	Date:	11/24/10	

TOC.XLT

226602

Columbia Analytical Services, Inc.

Service Request #: 2416,29H

Analysis For: Total Organic Carbon (TOC)

Method: 9060s / PSEP (Combustion/Coulometric)

Matrix: Soil / Dry Weight Basis

Sample Number	mg Sample Injected	Sample Reading, ug C	Baseline Reading, ug C	Net µg C	% Carbon	% Carbon Reported
K1012416-005	19.7	125.3	16.3	109.0	0.553	0.55
K1012416-006	23.2	822.4	16.3	806.1	3.475	3.47
K1012416-007	39.4	703.4	16.3	687.1	1.744	1.74
K1012416-008	22.5	207.1	16.3	190.8	0.848	0.848
K1012416-009	25.6	1049.0	16.3	1032.7	4.034	4.034
K1012914-003	23.4	1049.4	16.3	1033.1	4.415	4.415
LCS-2	40.9	127.8	16.3	111.5	0.273	0.273
MB-2	50.0	6.2	16.3	-10.1	-0.020	<0.02
K1012914-004	29.4	171.2	16.3	154.9	0.527	0.527
K1012914-005	23.8	40.3	16.3	24.0	0.101	0.101
CCV-4	9.1	1783.7	16.3	1767.4	19.422	19.4
CCB-4	50.0	9.1	16.3	-7.2	-0.014	<0.02
K1012914-006	25.7	43.2	16.3	26.9	0.105	0.105
K1012914-007	28.3	75.9	16.3	59.6	0.211	0.211
K1012914-008	41.9	292.8	16.3	276.5	0.660	0.660
K1012914-011	26.5	157.3	16.3	141.0	0.532	0.532
K1012914-011d	39.9	199.1	16.3	182.8	0.458	0.458
K1012914-011ms	14.5	605.9	16.3	589.6	4.066	4.07
K1012914-011msd	21.1	640.5	16.3	624.2	2.958	2.96
K1012914-012	19.4	72.4	16.3	56.1	0.289	0.289
K1012914-013	37.8	109.0	16.3	92.7	0.245	0.245
K1012914-014	33.1	198.8	16.3	182.5	0.551	0.551
CCV-5	8.2	1626.5	16.3	1610.2	19.637	19.6
CCB-5	50.0	5.5	16.3	-10.8	-0.022	<0.02

Acid Purge Time: 1 minute **Reading Time:** 5 minutes **TOC % =** $\frac{\text{(Net Reading)(µg 0.1)}}{\text{mg Sample Injected}}$

CCV : Urea Baker (lot #A17584) ID#: TOCS/1-10-J TV = 20.0%C

CCV4= 97 CCV5= 98

0

Comments :

K2914-11ms=2.7mg x 20 /14.5 =3.72 %REC=95 RPD=15 x=0.495

K2914-11msd=2.7mg x 20 /21.1=2.56 %REC=95

Analyzed By:	cv	Date11/23/10	Time: 9:30
Reveiwed By: BDK		Date: 11/24/10	

TOC.XLT

226000

Columbia Analytical Services, Inc.

Service Request #: 29H

Analysis For: Total Organic Carbon (TOC)

Method: 9060s / PSEP (Combustion/Coulometric)

Matrix: Soil / Dry Weight Basis

Sample Number	mg Sample Injected	Sample Reading, µg C	Baseline Reading, µg C	Net µg C	% Carbon	% Carbon Reported
K1012914-015	46.3	286.4	16.3	270.1	0.583	0.583
K1012914-020	27.4	813.1	16.3	796.8	2.908	2.91
K1012914-021	16	353.8	16.3	337.5	2.109	2.11
K1012914-022	37.5	337.2	16.3	320.9	0.856	0.856
K1012914-023	22.7	2007.6	16.3	1991.3	8.772	8.77
K1012914-024	36.1	1486.2	16.3	1469.9	4.072	4.07
K1012914-025	28.9	1454.8	16.3	1438.5	4.978	4.98
K1012914-026	24.8	957.2	16.3	940.9	3.794	3.79
K1012914-027	26.4	265.5	16.3	249.2	0.944	0.944
K1012914-028	38.3	162.8	16.3	146.5	0.383	0.383
CCV-6	7.2	1445.7	16.3	1429.4	19.853	19.9
CCB-6	50	5.8	16.3	-10.5	-0.021	<0.02
K1012914-001	35.3	253	16.3	236.7	0.671	0.671
K1012914-002	34.8	273.9	16.3	257.6	0.740	0.740
K1012914-009	31.2	119.3	16.3	103	0.330	0.330
K1012914-010	33.4	57.4	16.3	41.1	0.123	0.123
K1012914-016	33.2	296.7	16.3	280.4	0.845	0.845
K1012914-017	42.5	422.9	16.3	406.6	0.957	0.957
K1012914-018	29.7	284.1	16.3	267.8	0.902	0.902
LCS-3	29.4	107.3	16.3	91	0.310	0.310
MB-3	50	6.8	16.3	-9.5	-0.019	<0.02
K1012914-019	35.1	300.1	16.3	283.8	0.809	0.809
CCV-7	10.3	1979.1	16.3	1962.8	19.056	19.1
CCB-7	50	5.4	16.3	-10.9	-0.022	<0.02

Acid Purge Time: 1 minute **Reading Time:** 5 minutes **TOC % =** $\frac{\text{(Net Reading)(µg 0.1)}}{\text{mg Sample Injected}}$

CCV : Urea Baker (lot #A17584) ID#: TOCS/1-10-J TV = 20.0%C

CCV6= 99 CCV7= 95

Comments :

Analyzed By:	cv	Date:11/23/10	Time:9:30
Reveiwed By:	BDK	Date:	11/24/10

TOC.XLT

Columbia Analytical Services, Inc.

Service Request #: K11 1270 A13

Analysis For: Total Organic Carbon (TOC)

Method: 9060s / PSEP (Combustion/Coulometric)

Matrix: Soil / Dry Weight Basis

Sample Number	mg Sample Injected	Sample Reading, ug C	Baseline Reading, ug C	Net µg C	% Carbon	% Carbon Reported
K1011671-004	20.40	307.80	16.30	291.50	1.429	1.43
K1011671-004d	14.50	220.80	16.30	204.50	1.410	1.41
K1011671-004t	22.80	367.40	16.30	351.10	1.540	1.54
K1011671-004ms	10.50	636.20	16.30	619.90	5.904	5.90
K1011671-004msd	9.60	1036.40	16.30	1020.10	10.626	10.6
K1012702-001	11.30	1985.50	16.30	1969.20	17.427	17.4
K1012702-002	14.40	1103.00	16.30	1086.70	7.547	7.55
K1012702-003	14.80	2094.60	16.30	2078.30	14.043	14.0
K1012702-004	13.40	2058.30	16.30	2042.00	15.239	15.2
K1012143-001	39.50	2033.10	16.30	2016.80	5.106	5.106
CCV-8	9.30	1776.10	16.30	1759.80	18.923	18.923
CCB-8	50.00	6.50	16.30	-9.80	-0.020	<0.02
K1012143-002	19.70	882.50	16.30	866.20	4.397	4.397
K1012143-003	28.00	218.90	16.30	202.60	0.724	0.724
K1012143-004	22.10	1302.60	16.30	1286.30	5.820	5.820
K1012143-005	26.90	416.10	16.30	399.80	1.486	1.486
K1012143-005-6a	39.70	340.50	16.30	324.20	0.817	0.817
K1012143-007	35.60	514.80	16.30	498.50	1.400	1.400
CCV-9	8.90	1764.90	16.30	1748.60	19.647	19.647
CCB-9	50.00	7.20	16.30	-9.10	-0.018	<0.02

Acid Purge Time: 1 minute **Reading Time:** 5 minutes **TOC % =** $\frac{\text{(Net Reading)(µg 0.1)}}{\text{mg Sample Injected}}$

CCV : Urea Baker (lot #A17584) ID#: TOCS/1-10-J TV = 20.0%C

CCV8= 95 CCV9= #VALUE!

Comments :

K671-4ms=2.7mgx20/10.5=5.14 %REC=87 RSD=5 x=1.46

K671-4msd=4.3mgx20/9.6=8.96 %REC=102

① BE CV 11/23/10

Analyzed By:	cv	Date:11/23/10	Time:9:30
Reveiwed By:	BDR	Date:	11/24/10

TOC.XLT

226602

TOC Soil Benchsheet

Sample #	mg Sample	Reading	Date Baked	Baseline
CCV-1	16.9	2094.5		17.2
CCB-1	50.0	14.8		16.8
LCS-1	32.5	106.2		14.9
MB-1	50.0	15.7		Avg
K1012413-001	17.2	5792.3	70* 11.11.10 1630	16.3
K1012413-002	21.6	4082.2	70* 11.11.10 1630	
K1012413-003	27.4	1112.5	70* 11.11.10 1630	
K1012413-004	28.0	688.3	70* 11.11.10 1630	
K1012413-005	30.7	1294.4	70* 11.11.10 1630	
K1012413-007	16.6	439.8	70* 11.11.10 1630	
K1012413-008	14.1	533.1	70* 11.11.10 1630	
K1012413-009	11.3	341.5	70* 11.11.10 1630	
CCV-2	9.7	1877.7		
CCB-2	50.0	8.2		
K1010381-005	46.8	1527.9	70* 10.20.10 1530	
K1010381-005d	34.4	1311.3	70* 10.20.10 1530	
K1012381-010	15.1	427.8	70* 11.11.10 1630	
K1012381-010d	19.0	528.1	70* 11.11.10 1630	
K1012381-010ms	11.4	1082.2	70* 11.11.10 1630	
K1012381-010msd	9.2	1167.8	70* 11.11.10 1630	
K1012416-001	18.7	478.1	70* 11.11.10 1630	
K1012416-002	24.7	439.2	70* 11.11.10 1630	
K1012416-003	22.3	400.0	70* 11.11.10 1630	
K1012416-004	27.8	245.3	70* 11.11.10 1630	
CCV-3	7.3	1436.8		
CCB-3	50.0	9.7		
K1012416-005	19.7	125.3	70* 11.11.10 1630	
K1012416-006	23.2	822.4	70* 11.11.10 1630	
K1012416-007	39.4	703.4	70* 11.11.10 1630	
K1012416-008	22.5	207.1	70* 11.11.10 1630	
K1012416-009	25.6	1049.0	70* 11.11.10 1630	
K1012914-003	23.4	1049.4	70* 11.18.10 1130	
LCS-2	40.9	127.8		
MB-2	50.0	6.2		
K1012914-004	29.4	171.2	70* 11.18.10 1130	
K1012914-005	23.8	40.3	70* 11.18.10 1130	
CCV-4	9.1	1785.7		
CCB-4	50.0	9.1		
K1012914-006	25.7	43.2	70* 11.18.10 1130	
K1012914-007	28.3	75.9	70* 11.18.10 1130	
K1012914-008	41.9	292.8	70* 11.18.10 1130	
K1012914-011	26.5	157.3	70* 11.18.10 1130	
K1012914-011d	39.9	199.1	70* 11.18.10 1130	
K1012914-011ms	14.5	695.9	70* 11.18.10 1130	
K1012914-011msd	21.1	640.5	70* 11.18.10 1130	
K1012914-012	19.4	72.4	70* 11.18.10 1130	
K1012914-013	37.8	109.0	70* 11.18.10 1130	
K1012914-014	33.1	198.8	70* 11.18.10 1130	
CCV-5	8.2	3626.5		
CCB-5	50.0	5.5		
K1012914-015	46.3	286.4	70* 11.18.10 1130	
K1012914-020	27.4	813.1	70* 11.18.10 1130	
K1012914-021	27.2	355.8	70* 11.18.10 1130	
K1012914-022	37.5	337.2	70* 11.18.10 1130	
K1012914-023	22.7	2007.6	70* 11.18.10 1130	
K1012914-024	36.1	1486.2	70* 11.18.10 1130	
K1012914-025	28.9	1454.8	70* 11.18.10 1130	
K1012914-026	24.8	957.2	70* 11.18.10 1130	
K1012914-027	26.4	265.5	70* 11.18.10 1130	
K1012914-028	38.3	162.8	70* 11.18.10 1130	
CCV-6	7.2	1445.7		
CCB-6	50.0	5.8		
K1012914-001	35.3	253.0	70* 11.18.10 1130	
K1012914-002	34.8	273.9	70* 11.18.10 1130	
K1012914-009	31.2	119.3	70* 11.18.10 1130	
K1012914-010	33.4	57.4	70* 11.18.10 1130	
K1012914-016	33.2	296.7	70* 11.18.10 1130	
K1012914-017	42.5	422.9	70* 11.18.10 1130	
K1012914-018	29.7	284.1	70* 11.18.10 1130	
LCS-3	29.4	107.3		
MB-3	50.0	6.8		
K1012914-019	35.1	300.1	70* 11.18.10 1130	
CCV-7	10.3	1979.1		
CCB-7	50.0	5.4		
K1011671-004	20.4	307.8	70* 10.25.10 1853	
K1011671-004d	34.5	220.8	70* 10.25.10 1853	
K1011671-004t	22.8	367.4	70* 10.25.10 1853	
K1011671-004ms	10.5	636.2	70* 10.25.10 1853	
K1011671-004msd	9.6	1036.4	70* 10.25.10 1853	
K1012702-001	31.3	1985.5	70* 11.16.10 1530	
K1012702-002	34.4	1103.0	70* 11.16.10 1530	
K1012702-003	34.8	2094.6	70* 11.16.10 1530	
K1012702-004	33.4	2058.3	70* 11.16.10 1530	
K1012143-001	39.5	2033.1	70* 11.16.10 1530	
CCV-8	9.0	1776.1		
CCB-8	50.0	6.5		
K1012143-002	39.7	882.5	70* 11.16.10 1530	
K1012143-003	28.0	218.9	70* 11.16.10 1530	
K1012143-004	22.1	1302.6	70* 11.16.10 1530	
K1012143-005	26.9	416.1	70* 11.16.10 1530	
K1012143-006	39.7	346.5	70* 11.16.10 1530	
K1012143-007	35.6	514.8	70* 11.16.10 1530	
CCV-9	8.9	1764.9		
CCB-9	50.0	7.2		

BDK
11/24/10

CV 11/23/10 9:30

2216767

Work Request # Original (K101 2914, 3042, 3095

Tier: V II V

Date Analyzed: 11/24/10

Analyst: R Katzenmyer

Analysis: CN- Soils

DATA QUALITY REPORT
INORGANICS

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1.	Is the method name and number correct and appropriate?		yes/no/NA
2.	Holding times met for all analyses and for all samples?		yes/no/NA
3.	Are calculations correct?		yes/no/NA
4.	Is the reporting basis correct? (Dry Weight)		yes/no/NA
5.	All quality control criteria met?		yes/no/NA *
	a.	Is the calibration curve correlation coefficient ≥ 0.995?	yes/no/NA
	b.	MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency?	yes/no/NA
	c.	Are ICVs, CCVs, and CCBs all within acceptance limits?	yes/no/NA
	d.	Are results for methods blanks all ND?	yes/no/NA
	e.	Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.)	yes/no/NA
	f.	Are all exceptions explained?	yes/no/NA
6.	Are all service requests that apply attached?		yes/no/NA
7.	Are all samples labelled correctly?		yes/no/NA
8.	Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample)		yes/no/NA
9.	Are detection limits and units reported correctly?		yes/no/NA
10.	Are proper Analysis/Extraction stickers included on report?		yes/no/NA
11.	Is the unused space on the benchsheet crossed out?		yes/no/NA
12.	Was analysis turned in by the due date? (n-2) (If not record SR#)		yes/no/NA

COMMENTS:

*0.05 Spike % Rec @ 164%

Final Approved by: BDK Date: 11/24/10

DQREPORT

Author: Omnion User

Date : 11/23/2010

Original Run Filename: OM_11-23-2010_10-21-57AM.OMN created 11/23/2010 10:21:57 AM
Original Run Author's Signature: [Omnion User]
Current Run Filename: OM_11-23-2010_10-21-57AM.OMN last modified 11/23/2010 11:14:22 AM
Current Run Author's Signature: [Omnion User]
Description: Default new Run

Sample	Rep.	Channel 2 Cyanide (ug/L)
Cal Std A	1	300.0
Cal Std B	1	200.0
Cal Std C	1	150.0
Cal Std D	1	100.0
Cal Std E	1	50.00
Cal Std F	1	20.00
Cal Std G	1	10.00
	2	10.00
Blank	1	0.000
	2	0.000
ICV	1	140.5
Calibration:		Table/Fig. 1
ICB	1	-0.5316
CCV	1	101.0
Known Conc:		100.0
CCB	1	-0.1250
Known Conc:		0.000
MB-SOIL	1	-0.6223
LCS-SOILX6	1	279.4
0.15 X2	1	146.9
0.05	1	164.7
12914-1-SOIL	1	0.07082
12914-1D-SOIL	1	-0.2864
12914-1MS-SOIL	1	196.9
12914-1MSD	1	195.5
12914-2-SOIL	1	0.5843
12914-9-SOIL	1	0.8621
CCV	1	101.6
Known Conc:		100.0
CCB	1	-0.1123
Known Conc:		0.000
12914-10-SOIL	1	0.7266
12914-16-SOIL	1	10.83
12914-17-SOIL	1	46.80
3042-1 ~~12914-19-SO~~IL	1	3.704
3095-1 ~~3042-1~~-SOIL	1	12.42
3095-1D-SOIL	1	10.92
3095-1T-SOIL	1	7.606
MB	1	3.033
LCS	1	138.4
3019-1	1	-0.1211
CCV	1	101.4
Known Conc:		100.0
CCB	1	-0.1876
Known Conc:		0.000
3019-2	1	0.5057
3019-2D	1	-0.08510
3019-2MS	1	201.6
3019-2MSD	1	200.3
3023-2	1	0.9015
3023-6	1	3.312
3023-6D	1	4.285
3023-6MS	1	200.9
3023-6MSD	1	205.1
2537-50	1	10.02
CCV	1	101.8
Known Conc:		100.0
CCB	1	-0.01431

1

2

3

4

94%

Run 226767

BAK

11/24/10

skipped sample 19 – ran on 11/24/10 out of order samples.

Ron

11/24/10

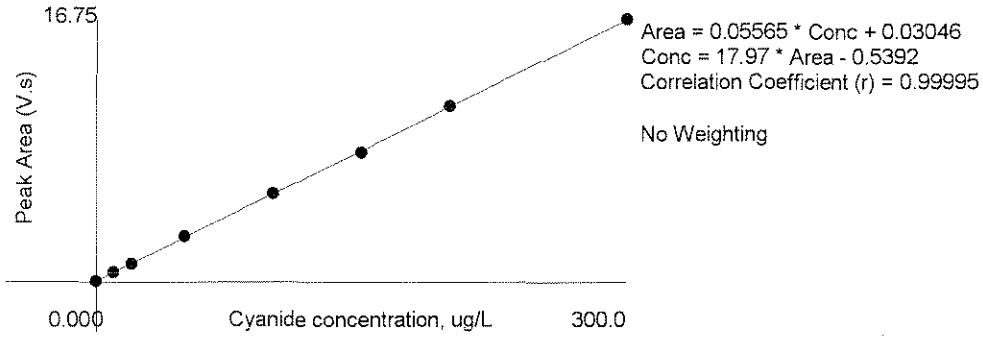
	Known Conc:	0.000
2537-51	1	1.010
2537-52	1	0.7245
2537-53	1	1.919
2537-54	1	0.5133
CCV	1	102.2
	Known Conc:	100.0
CCB	1	-1.756
	Known Conc:	0.000

5

Table 1: Cyanide

	Known Conc. (ug/L)	Rep	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc. (ug/L)	Detection Date	Detection Time
1	300.0	1	16.75	1.046	0.0	-0.1	300.4	11/23/2010	10:22:49 AM
2	200.0	1	11.20	0.6999	0.0	-0.3	200.6	11/23/2010	10:23:39 AM
3	150.0	1	8.236	0.5127	0.0	1.7	147.4	11/23/2010	10:24:31 AM
4	100.0	1	5.631	0.3542	0.0	-0.6	100.6	11/23/2010	10:25:23 AM
5	50.00	1	2.869	0.1806	0.0	-2.0	51.02	11/23/2010	10:26:16 AM
6	20.00	1	1.138	0.07111	0.0	0.5	19.91	11/23/2010	10:27:10 AM
7	10.00	1	0.6074	0.03885	0.1	-3.5	10.37	11/23/2010	10:28:04 AM
8	10.00	2	0.6083	0.03881	0.1	-3.6	10.39	11/23/2010	10:28:58 AM
9	0.000	1	2.670e-4	0.002575			-0.5344	11/23/2010	10:29:53 AM
10	0.000	2	0.01400	0.001885			-0.2876	11/23/2010	10:30:48 AM

Figure 1: Cyanide



BDK
11/24/10

Ran 11/24/10

Author: Omnion User

Date : 11/24/2010

Original Run Filename: OM_11-24-2010_02-03-38PM.OMN created 11/24/2010 2:03:38 PM
Original Run Author's Signature: [Omnion User]
Current Run Filename: OM_11-24-2010_02-03-38PM.OMN last modified 11/24/2010 2:50:39 PM
Current Run Author's Signature: [Omnion User]
Description: Default new Run

Sample	Rep.	Channel 2 Cyanide (ug/L)
Cal Std A	1	300.0
Cal Std B	1	200.0
Cal Std C	1	150.0
Cal Std D	1	100.0
Cal Std E	1	50.00
Cal Std F	1	20.00
Cal Std G	1	10.00
	2	10.00
Blank	1	0.000
	2	0.000
ICV	1	139.1
Calibration:		Table/Fig. 1
ICB	1	0.01886
CCV	1	101.0
Known Conc:		100.0
CCB	1	0.1295
Known Conc:		0.000
MB	1	0.2103
0.15X2	1	139.1
0.05	1	90.99
LCS	1	136.2
LCS-D	1	135.6
2845-1	1	0.7881
2845-1D	1	0.2740
2845-1MS	1	0.1904
2845-1MSD	1	0.5762
2845-1MSX2	1	0.4229
CCV	1	101.4
Known Conc:		100.0
CCB	1	-0.005077
Known Conc:		0.000
2845-2	1	0.5511
3174-1	1	0.2984
MB-SOIL	1	-0.1784
LCS-SOIL	1	271.7
2914-18	1	590.5
2914-18D	1	634.6
2914-18MS	1	872.2
2914-18MSD	1	945.8
2914-19 RECHK	1	26.66
3042-1 RECHK	1	2.389
CCV	1	99.25
Known Conc:		100.0
CCB	1	0.07366
Known Conc:		0.000
3095-1 RECHK	1	4.054
3095-1D RECHK	1	4.873
3095-1T RECHK	1	2.774
2914-18X5	1	152.2
2914-18DX5	1	165.1
2914-18MSX5	1	176.7
2914-18MSDX5	1	193.8
2914-19	1	20.85
CCV	1	101.3
Known Conc:		100.0
CCB	1	0.5054
Known Conc:		0.000

93%

1

2

3

4

BDK

11/24/10

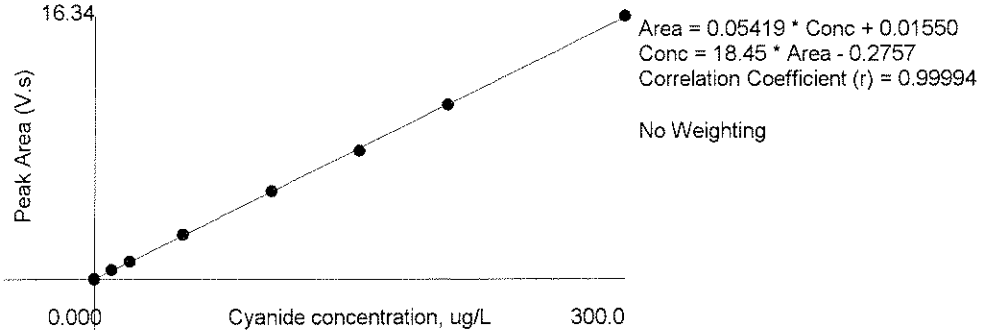
rechecked these samples - lids not as tight as used the results from 11/24/10 11/23/10 as less degradation would have occurred DD

11/24/10

Table 1: Cyanide

	Known Conc. (ug/L)	Rep	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc. (ug/L)	Detection Date	Detection Time
1	300.0	1	16.34	1.032	0.0	-0.4	301.2	11/24/2010	2:04:29 PM
2	200.0	1	10.85	0.6865	0.0	0.0	199.9	11/24/2010	2:05:20 PM
3	150.0	1	7.980	0.5021	0.0	2.0	147.0	11/24/2010	2:06:12 PM
4	100.0	1	5.466	0.3466	0.0	-0.6	100.6	11/24/2010	2:07:04 PM
5	50.00	1	2.763	0.1761	0.0	-1.4	50.71	11/24/2010	2:07:57 PM
6	20.00	1	1.095	0.06903	0.0	0.4	19.93	11/24/2010	2:08:50 PM
7	10.00	1	0.5881	0.03752	2.7	-5.5	10.58	11/24/2010	2:09:45 PM
8	10.00	2	0.5663	0.03699	2.7	-1.6	10.17	11/24/2010	2:10:39 PM
9	0.000	1	0.006642	0.001384			-0.1532	11/24/2010	2:11:34 PM
10	0.000	2	0.01911	0.001642			0.07693	11/24/2010	2:12:29 PM

Figure 1: Cyanide



BDK 11/24/10

11/24/10

Method: EPA 335.1 / 335.4

9012 / SM 4500-CN I&E / SM 4500-CN C&E

Analysis: Analysis: Total CN^- CN^- WAD Chlor. CN^-

Method modified using the Lachat Autoanalyzer for the colorimetric analysis.

Date Prepared	Lab Sample ID	Sample Dilution	Initial Wt./Vol. (g) or (ml)	Final Volume (ml)	ug/L (in solution)	mg/L - mg/kg As Rec'd	% Solids	mg/kg Dry Wt.	Reported mg/Kg(Dry)
########	LCS	6	1.197	25	279.4	35.013	100.0	35.013	35.013
11/23/10	0.05	1	50	25	164.7	0.082			
	0.15	2	50	25	146.9	0.147			
	12914-1 MS	1	2.575	25	196.9	1.912	83.8	2.281	2.281
	12914-1 MSD	1	2.677	25	195.5	1.826	83.8	2.179	2.179

Comments: All standards and total cyanides distilled with sulfamic acid.

LCS T.V. =33.3 mg/kg % REC: 105%

0.15 Distilled = (0.75 mL x 10 ppm KCN) / 50 mL %REC= 98%

0.05 Distilled= (0.25 mL x 10 ppm KCN) / 50 mL %REC= 164%

ms= ((0.50 mL x 10 ppm KCN) / (2.575 x .838) = 2.281 / 2.317 % REC: = 98%

x = RPD =

msd= ((0.50 mL x 10 ppm KCN) / (2.677 x 0.838) = 2.179 / 2.229 % REC: = 98%

Prepared By: Randy Katzenmyer	Date Prepared: 11/24/10
Analyzed By: Randy Katzenmyer	Date Analyzed: 11/24/10
Reviewed By:	Date Reviewed:

Analytical Results Summary

Instrument Name: K-FIA-03 **Analyst:** RKATZENMYER **Analysis Lot:** 226767 **Method/Testcode:** 9012A/CN Tot

ab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	As Received*	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
1012914-001	Cyanide, Total	N/A		Sediment	0.07 µg/L	0.66	0.22 mg/Kg U	1	0.07	0.22			11/23/10 10:30:00	N	V
1012914-002	Cyanide, Total	N/A		Sediment	0.58 µg/L	5.37	0.21 mg/Kg U	1	0.07	0.21			11/23/10 10:30:00	N	V
1012914-009	Cyanide, Total	N/A		Sediment	0.86 µg/L	6.91	0.19 mg/Kg U	1	0.06	0.19			11/23/10 10:30:00	N	V
1012914-010	Cyanide, Total	N/A		Sediment	0.73 µg/L	6.39	0.20 mg/Kg U	1	0.06	0.20			11/23/10 10:30:00	N	V
1012914-016	Cyanide, Total	N/A		Sediment	10.83 µg/L	99.54	0.22 mg/Kg U	1	0.07	0.22			11/23/10 10:30:00	N	V
1012914-017	Cyanide, Total	N/A		Sediment	46.80 µg/L	412.12	0.50 mg/Kg	1	0.07	0.21			11/23/10 10:30:00	N	V
1012914-019	Cyanide, Total	N/A		Sediment	20.85 µg/L	162.84	0.19 mg/Kg	1	0.06	0.18			11/23/10 10:30:00	N	V
1013042-001	Cyanide, Total	N/A		Sludge, Solid	3.70 µg/L	35.73	1.5 mg/Kg U	1	0.03	1.5			11/23/10 10:30:00	N	II
1013095-001	Cyanide, Total	N/A		Sludge	12.42 µg/L	122.58	1.2 mg/Kg U	1	0.4	1.2			11/23/10 10:30:00	N	V
Q1012859-01	Cyanide, Total	LCS		Sediment	279.40 µg/L	35012.53	35.0 mg/Kg	6	0.02	1.2	105		11/23/10 10:30:00	N	V
Q1012859-01	Cyanide, Total	LCS		Sediment	279.40 µg/L	35012.53	35.0 mg/Kg	6	0.8	2.5	105		11/23/10 10:30:00	N	V
Q1012859-01	Cyanide, Total	LCS		Sediment	279.40 µg/L	35012.53	35.0 mg/Kg	6	0.8	2.5	105		11/23/10 10:30:00	N	V
Q1012859-02	Cyanide, Total	MB		Sediment	-0.62 µg/L	-5.83	0.20 mg/Kg U	1	0.003	0.20			11/23/10 10:30:00	N	V
Q1012859-02	Cyanide, Total	MB		Sediment	-0.62 µg/L	-5.83	0.19 mg/Kg U	1	0.06	0.19			11/23/10 10:30:00	N	V
Q1012859-02	Cyanide, Total	MB		Sediment	-0.62 µg/L	-5.83	0.19 mg/Kg U	1	0.06	0.19			11/23/10 10:30:00	N	V
Q1012859-03	Cyanide, Total	DUP	K1012914-001	Sediment	-0.29 µg/L	-2.78	0.23 mg/Kg U	1	0.07	0.23		NC	11/23/10 10:30:00	N	V
Q1012859-04	Cyanide, Total	MS	K1012914-001	Sediment	196.90 µg/L	1911.65	2.28 mg/Kg	1	0.07	0.23	98		11/23/10 10:30:00	N	V
Q1012859-05	Cyanide, Total	DMS	K1012914-001	Sediment	195.50 µg/L	1825.74	2.18 mg/Kg	1	0.07	0.22	98	5	11/23/10 10:30:00	N	V
Q1012859-06	Cyanide, Total	DUP	K1013095-001	Sludge	10.92 µg/L	105.20	0.6 mg/Kg J	1	0.4	1.2		NC	11/23/10 10:30:00	N	V
Q1012859-07	Cyanide, Total	DUP	K1013095-001	Sludge	7.61 µg/L	74.72	0.5 mg/Kg J	1	0.4	1.2		NC	11/23/10 10:30:00	N	V
Q1012859-08	Cyanide, Total	N/A		Sludge, Solid	0.07 µg/L	0.66	0.20 mg/Kg # U	1	0.003	0.20			11/23/10 10:30:00	N	II
Q1012859-09	Cyanide, Total	MS	KQ1012859-08	Sludge, Solid	196.90 µg/L	1910.17	1.91 mg/Kg #	1	0.003	0.20	98		11/23/10 10:30:00	N	II
Q1012859-10	Cyanide, Total	DMS	KQ1012859-08	Sludge, Solid	195.50 µg/L	1898.06	1.90 mg/Kg #	1	0.003	0.20	98	<1	11/23/10 10:30:00	N	II
Q1012859-11	Cyanide, Total	DUP	KQ1012859-08	Sludge, Solid	-0.29 µg/L	-2.67	0.20 mg/Kg # U	1	0.003	0.20		NC	11/23/10 10:30:00	N	II
Q1013004-01	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-01	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-01	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-02	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-02	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-02	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-03	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-03	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-03	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-04	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-04	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-04	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V

Not adjusted for changes in units
indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

75

Analytical Results Summary

Instrument Name: K-FIA-03 **Analyst:** RKATZENMYER **Analysis Lot:** 226767 **Method/Testcode:** 335.2M/CN

ab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	As Received*	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
Q1013004-05	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-05	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-05	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-06	Cyanide, Total	CCV		Sediment	101.00 µg/L	1010.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-06	Cyanide, Total	CCV		Sediment	101.00 µg/L	1010.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-06	Cyanide, Total	CCV		Sediment	101.00 µg/L	1010.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-07	Cyanide, Total	CCV		Sediment	101.60 µg/L	1016.00	102 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-07	Cyanide, Total	CCV		Sediment	101.60 µg/L	1016.00	102 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-07	Cyanide, Total	CCV		Sediment	101.60 µg/L	1016.00	102 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-08	Cyanide, Total	CCV		Sediment	101.40 µg/L	1014.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-08	Cyanide, Total	CCV		Sediment	101.40 µg/L	1014.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-08	Cyanide, Total	CCV		Sediment	101.40 µg/L	1014.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-09	Cyanide, Total	CCV		Sediment	101.80 µg/L	1018.00	102 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-09	Cyanide, Total	CCV		Sediment	101.80 µg/L	1018.00	102 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-09	Cyanide, Total	CCV		Sediment	101.80 µg/L	1018.00	102 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-10	Cyanide, Total	CCV		Sediment	102.20 µg/L	1022.00	102 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-10	Cyanide, Total	CCV		Sediment	102.20 µg/L	1022.00	102 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-10	Cyanide, Total	CCV		Sediment	102.20 µg/L	1022.00	102 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-11	Cyanide, Total	CCB		Sediment	0.13 µg/L	1.30	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-11	Cyanide, Total	CCB		Sediment	0.13 µg/L	1.30	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-11	Cyanide, Total	CCB		Sediment	0.13 µg/L	1.30	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-12	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-12	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-12	Cyanide, Total	CCB		Sediment	0.00 µg/L	0.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-13	Cyanide, Total	CCB		Sediment	0.07 µg/L	0.70	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-13	Cyanide, Total	CCB		Sediment	0.07 µg/L	0.70	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-13	Cyanide, Total	CCB		Sediment	0.07 µg/L	0.70	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-14	Cyanide, Total	CCB		Sediment	0.50 µg/L	5.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-14	Cyanide, Total	CCB		Sediment	0.50 µg/L	5.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-14	Cyanide, Total	CCB		Sediment	0.50 µg/L	5.00	0.20 mg/Kg U	1	0.20	0.20			11/23/10 10:30:00	N	V
Q1013004-15	Cyanide, Total	CCV		Sediment	101.00 µg/L	1010.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-15	Cyanide, Total	CCV		Sediment	101.00 µg/L	1010.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-15	Cyanide, Total	CCV		Sediment	101.00 µg/L	1010.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-16	Cyanide, Total	CCV		Sediment	101.40 µg/L	1014.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-16	Cyanide, Total	CCV		Sediment	101.40 µg/L	1014.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-16	Cyanide, Total	CCV		Sediment	101.40 µg/L	1014.00	101 mg/Kg	1					11/23/10 10:30:00	N	V

Not adjusted for changes in units
indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: K-FIA-03 **Analyst:** RKATZENMYER **Analysis Lot:** 226767 **Method/Testcode:** 335.2M/CN

ab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	As Received*	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed	QC?	Tier
Q1013004-17	Cyanide, Total	CCV		Sediment	99.25 µg/L	992.50	99.3 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-17	Cyanide, Total	CCV		Sediment	99.25 µg/L	992.50	99.3 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-17	Cyanide, Total	CCV		Sediment	99.25 µg/L	992.50	99.3 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-18	Cyanide, Total	CCV		Sediment	101.30 µg/L	1013.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-18	Cyanide, Total	CCV		Sediment	101.30 µg/L	1013.00	101 mg/Kg	1					11/23/10 10:30:00	N	V
Q1013004-18	Cyanide, Total	CCV		Sediment	101.30 µg/L	1013.00	101 mg/Kg	1					11/23/10 10:30:00	N	V

BOK
11/24/10

77

Not adjusted for changes in units
indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

Instrument Name: K-Balance-16 **Analyst:** SARWOOD **Analysis Lot:** 226165 **Method/Testcode:** TS-MET/Total Solids

ab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	PQL	% Rec	% RSD	Date Analyzed		
1012914-001	Solids, Total	N/A		Sediment	83.80 Percent	g	83.8 Percent	1					11/19/10	N	V
1012914-002	Solids, Total	N/A		Sediment	88.20 Percent	g	88.2 Percent	1					11/19/10	N	V
1012914-003	Solids, Total	N/A		Sediment	87.10 Percent	g	87.1 Percent	1					11/23/10	N	V
1012914-004	Solids, Total	N/A		Sediment	90.00 Percent	g	90.0 Percent	1					11/23/10	N	V
1012914-005	Solids, Total	N/A		Sediment	89.80 Percent	g	89.8 Percent	1					11/23/10	N	V
1012914-006	Solids, Total	N/A		Sediment	88.90 Percent	g	88.9 Percent	1					11/23/10	N	V
1012914-007	Solids, Total	N/A		Sediment	88.20 Percent	g	88.2 Percent	1					11/23/10	N	V
1012914-008	Solids, Total	N/A		Sediment	78.40 Percent	g	78.4 Percent	1					11/23/10	N	V
1012914-009	Solids, Total	N/A		Sediment	85.40 Percent	g	85.4 Percent	1					11/19/10	N	V
1012914-010	Solids, Total	N/A		Sediment	88.70 Percent	g	88.7 Percent	1					11/19/10	N	V
1012914-011	Solids, Total	N/A		Sediment	91.10 Percent	g	91.1 Percent	1					11/23/10	N	V
1012914-012	Solids, Total	N/A		Sediment	80.30 Percent	g	80.3 Percent	1					11/23/10	N	V
1012914-013	Solids, Total	N/A		Sediment	81.40 Percent	g	81.4 Percent	1					11/23/10	N	V
1012914-014	Solids, Total	N/A		Sediment	89.00 Percent	g	89.0 Percent	1					11/23/10	N	V
1012914-015	Solids, Total	N/A		Sediment	88.20 Percent	g	88.2 Percent	1					11/23/10	N	V
1012914-016	Solids, Total	N/A		Sediment	82.60 Percent	g	82.6 Percent	1					11/19/10	N	V
1012914-017	Solids, Total	N/A		Sediment	82.00 Percent	g	82.0 Percent	1					11/19/10	N	V
1012914-018	Solids, Total	N/A		Sediment	84.50 Percent	g	84.5 Percent	1					11/19/10	N	V
1012914-019	Solids, Total	N/A		Sediment	85.10 Percent	g	85.1 Percent	1					11/19/10	N	V
1012914-020	Solids, Total	N/A		Sediment	85.00 Percent	g	85.0 Percent	1					11/23/10	N	V
1012914-021	Solids, Total	N/A		Sediment	84.40 Percent	g	84.4 Percent	1					11/23/10	N	V
1012914-022	Solids, Total	N/A		Sediment	75.50 Percent	g	75.5 Percent	1					11/23/10	N	V
1012914-023	Solids, Total	N/A		Sediment	63.00 Percent	g	63.0 Percent	1					11/23/10	N	V
1012914-024	Solids, Total	N/A		Sediment	86.20 Percent	g	86.2 Percent	1					11/23/10	N	V
1012914-025	Solids, Total	N/A		Sediment	90.80 Percent	g	90.8 Percent	1					11/23/10	N	V
1012914-026	Solids, Total	N/A		Sediment	76.90 Percent	g	76.9 Percent	1					11/23/10	N	V
1012914-027	Solids, Total	N/A		Sediment	85.50 Percent	g	85.5 Percent	1					11/23/10	N	V
1012914-028	Solids, Total	N/A		Sediment	90.40 Percent	g	90.4 Percent	1					11/23/10	N	V
1013042-001	Solids, Total	N/A		Sludge, Solid	13.10 Percent	g	13.1 PERCENT	1					11/23/10 1725	N	II
1013095-001	Solids, Total	N/A		Sludge	16.30 Percent	g	16.3 PERCENT	1					11/23/10 1753	N	V

78

indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124300
Team: GenChem
Analyst: rk

Prep Workflow: Gen Dist CN
Prep Method: Method
Rush/NPDES: Both

Status: Prepped
Current Step: Distillation

Prep Date: 11/22/2010 11:00
Due Date: 11/23/2010

Lab Code	Client ID	Bottle #	Initial Amt	Final Volume	Spike Amt	Spike ID	Comments
KQ1012859-02	Method Blank		2.670 g	25 mL			
KQ1012859-01	Lab Control Sample		1.197 g	25 mL	1 g	21678	
K1012914-001	SL0001	.02	2.696 g	25 mL			
K1012914-001: KQ1012859-03	Duplicate	.02	2.577 g	25 mL			
K1012914-001: KQ1012859-04	Matrix Spike	.02	2.575 g	25 mL	0.5 mL	23627	
K1012914-001: KQ1012859-05	Duplicate Matrix Spike	.02	2.677 g	25 mL	0.5 mL	23627	
K1012914-002	SL0002	.02	2.720 g	25 mL			
K1012914-009	SL0009	.02	3.118 g	25 mL			
K1012914-010	SL0010	.02	2.842 g	25 mL			
K1012914-016	SL0017	.02	2.720 g	25 mL			
K1012914-017	SL0018	.02	2.839 g	25 mL			
K1012914-019	SL0020	.02	3.201 g	25 mL			
K1013042-001	WWTP DIGESTER	.01	2.592 g	25 mL			
K1013095-001	10-13064	.01	2.533 g	25 mL			
K1013095-001: KQ1012859-06	Duplicate	.01	2.595 g	25 mL			
K1013095-001: KQ1012859-07	Duplicate	.01	2.545 g	25 mL			

16 Total Samples consisting of 9 Client Samples, 5 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires	Name	Type	ID	Expires
Cyanide 10 ppm as CN	Spike	23627	12/16/2010	Cyanide LCS Soil	Spike	21678	6/20/2013

Preparation Materials

Preparation Hardware / Equipment

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Distillation	22-NOV-10 11:00	22-NOV-10 13:00	rk		N	

Comments

Review

Reviewed by: BDK Date: 11/24/10

Service Request Summary

Folder #: **K1012914**
Client Name: Integral Consulting, Incorporated
Project Name: San Jacinto Waste Pits
Project Number: 090557-01.01

Report To: Craig Hutchings
Integral Consulting, Incorporated
1205 West Bay Drive NW
Olympia, WA 98502-4670
Phone Number: 360-705-3534 Ext. 17
Cell Number:
Fax Number:
E-mail: chutchings@integral-corp.com

Project Chemist: Gregory Salata, Ph.D.
Originating Lab: KELSO
Logged By: BTOBIN
Date Received: 11/17/10
Internal Due Date: 11/29/10
QAP: LAB QAP
Qualifier Set: CAS Standard
Formset: CAS Standard
Merged?: Y
Report to MDL?: N,Y
P.O. Number:
EDD: Integral-UCR

28 - 8 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
23 - 4 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved
8 - 16 oz-Glass Jar WM CLEAR Teflon Liner Unpreserved

Location: In Lab, K-PETUNIA-08, K-Delilah-209

RUSH

				GenChem		Metals			SVG		SVM	TS	VOA	
CAS Samp No.	**Client Samp No.**	**Matrix**	**Collected**	9012A/ CN Tot	9060M/ TOC	6010B/ Metals T	6020/ Metals T	7471A/ Hg	8081A/ PEST_OC	8082/ PCB	8270C/ SVO_LL	TS-MET/ Total Solids	8260B/ VOC_FP	Screen VOA GCMS/ SCREEN_VOAG CMS
K1012914-001	SL0001	Sediment	11/15/10 0955	V	V	V	V	V	V	V	V	V	V	V
K1012914-002	SL0002	Sediment	11/15/10 1010	V	V	V	V	V	V	V	V	V	V	V
K1012914-003	SL0003	Sediment	11/15/10 1040		V									
K1012914-004	SL0004	Sediment	11/15/10 1050		V									
K1012914-005	SL0005	Sediment	11/15/10 1110		V									
K1012914-006	SL0006	Sediment	11/15/10 1125		V									
K1012914-007	SL0007	Sediment	11/15/10 1135		V									
K1012914-008	SL0008	Sediment	11/15/10 1150		V									
K1012914-009	SL0009	Sediment	11/15/10 1200	V	V	V	V	V	V	V	V	V	V	V
K1012914-010	SL0010	Sediment	11/15/10 1205	V	V	V	V	V	V	V	V	V	V	V
K1012914-011	SL0012	Sediment	11/15/10 1325		V									
K1012914-012	SL0013	Sediment	11/15/10 1350		V									
K1012914-013	SL0014	Sediment	11/15/10 1355		V									
K1012914-014	SL0015	Sediment	11/15/10 1415		V									
K1012914-015	SL0016	Sediment	11/15/10 1420		V									
K1012914-016	SL0017	Sediment	11/15/10 1440	V	V	V	V	V	V	V	V	V	V	V
K1012914-017	SL0018	Sediment	11/15/10 1440	V	V	V	V	V	V	V	V	V	V	V
K1012914-018	SL0019	Sediment	11/15/10 1500	V	V	V	V	V	V	V	V	V	V	V
K1012914-019	SL0020	Sediment	11/15/10 1500	V	V	V	V	V	V	V	V	V	V	V
K1012914-020	SL0021	Sediment	11/16/10 0820		V									
K1012914-021	SL0022	Sediment	11/16/10 0830		V									
K1012914-022	SL0023	Sediment	11/16/10 0850		V									

18

Metals

Columbia Analytical Services

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Integral Consulting, Incorporated
Project Name: San Jacinto Waste Pits
Project No.: 090557-01.01

Service Request: K1012914

Sample Name:	Lab Code:
Batch QC1D	K1012543-001D
Batch QC1S	K1012543-001S
SL0001	K1012914-001
SL0001D	K1012914-001D
SL0001S	K1012914-001S
SL0002	K1012914-002
SL0009	K1012914-009
SL0010	K1012914-010
SL0017	K1012914-016
SL0018	K1012914-017
SL0019	K1012914-018
SL0020	K1012914-019
Method Blank	K1012914-MB

Comments:

Approved By: _____ **Date:** 11/24/10

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: SL0001 **Lab Code:** K1012914-001

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.5	2.0	11/20/10	11/23/10	3.5	U	
Arsenic	6020	0.59	0.06	5.0	11/20/10	11/22/10	0.92		
Beryllium	6010B	1.18	0.01	2.0	11/20/10	11/23/10	0.20	J	
Cadmium	6020	0.023	0.005	5.0	11/20/10	11/22/10	0.029		
Chromium	6020	0.23	0.02	5.0	11/20/10	11/22/10	2.28		
Copper	6010B	2.4	0.7	2.0	11/20/10	11/23/10	2.7		
Lead	6010B	23.6	3.5	2.0	11/20/10	11/23/10	4.7	J	
Mercury	7471A	0.016	0.002	1.0	11/18/10	11/20/10	0.005	J	
Nickel	6010B	4.7	0.6	2.0	11/20/10	11/23/10	2.0	J	
Selenium	6010B	23.6	4.7	2.0	11/20/10	11/23/10	4.7	U	
Silver	6010B	2.4	0.5	2.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	23.6	3.5	2.0	11/20/10	11/23/10	3.5	U	
Zinc	6010B	2.4	0.4	2.0	11/20/10	11/23/10	24.1		

% Solids: 83.8

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: SL0002 **Lab Code:** K1012914-002

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	11	3.3	2.0	11/20/10	11/23/10	3.3	U	
Arsenic	6020	0.56	0.06	5.0	11/20/10	11/22/10	0.92		
Beryllium	6010B	1.11	0.01	2.0	11/20/10	11/23/10	0.15	J	
Cadmium	6020	0.022	0.004	5.0	11/20/10	11/22/10	0.040		
Chromium	6020	0.23	0.02	5.0	11/20/10	11/22/10	2.91		
Copper	6010B	2.2	0.7	2.0	11/20/10	11/23/10	1.6	J	
Lead	6010B	22.2	3.3	2.0	11/20/10	11/23/10	3.3	U	
Mercury	7471A	0.012	0.001	1.0	11/18/10	11/20/10	0.006	J	
Nickel	6010B	4.5	0.6	2.0	11/20/10	11/23/10	1.8	J	
Selenium	6010B	22.2	4.5	2.0	11/20/10	11/23/10	4.5	U	
Silver	6010B	2.2	0.4	2.0	11/20/10	11/23/10	0.5	J	
Thallium	6010B	22.2	3.3	2.0	11/20/10	11/23/10	4.7	J	
Zinc	6010B	2.2	0.3	2.0	11/20/10	11/23/10	12.6		

% Solids: 88.2

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: SL0009 **Lab Code:** K1012914-009

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.5	2.0	11/20/10	11/23/10	3.5	U	
Arsenic	6020	0.58	0.06	5.0	11/20/10	11/22/10	1.95		
Beryllium	6010B	1.17	0.01	2.0	11/20/10	11/23/10	0.17	J	
Cadmium	6020	0.023	0.005	5.0	11/20/10	11/22/10	0.045		
Chromium	6020	0.23	0.02	5.0	11/20/10	11/22/10	3.57		
Copper	6010B	2.3	0.7	2.0	11/20/10	11/23/10	2.9		
Lead	6010B	23.4	3.5	2.0	11/20/10	11/23/10	3.5	U	
Mercury	7471A	0.017	0.002	1.0	11/18/10	11/20/10	0.011	J	
Nickel	6010B	4.7	0.6	2.0	11/20/10	11/23/10	3.3	J	
Selenium	6010B	23.4	4.7	2.0	11/20/10	11/23/10	4.7	U	
Silver	6010B	2.3	0.5	2.0	11/20/10	11/23/10	0.6	J	
Thallium	6010B	23.4	3.5	2.0	11/20/10	11/23/10	3.5	U	
Zinc	6010B	2.3	0.4	2.0	11/20/10	11/23/10	28.4		

% Solids: 85.4

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: SL0010 **Lab Code:** K1012914-010

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	11	3.4	2.0	11/20/10	11/23/10	3.4	U	
Arsenic	6020	0.56	0.06	5.0	11/20/10	11/22/10	1.35		
Beryllium	6010B	1.12	0.01	2.0	11/20/10	11/23/10	0.10	J	
Cadmium	6020	0.022	0.004	5.0	11/20/10	11/22/10	0.027		
Chromium	6020	0.22	0.02	5.0	11/20/10	11/22/10	2.15		
Copper	6010B	2.2	0.7	2.0	11/20/10	11/23/10	1.4	J	
Lead	6010B	22.3	3.4	2.0	11/20/10	11/23/10	4.2	J	
Mercury	7471A	0.014	0.001	1.0	11/18/10	11/20/10	0.006	J	
Nickel	6010B	4.5	0.6	2.0	11/20/10	11/23/10	2.0	J	
Selenium	6010B	22.3	4.5	2.0	11/20/10	11/23/10	4.5	U	
Silver	6010B	2.2	0.4	2.0	11/20/10	11/23/10	0.7	J	
Thallium	6010B	22.3	3.4	2.0	11/20/10	11/23/10	3.4	U	
Zinc	6010B	2.2	0.3	2.0	11/20/10	11/23/10	8.7		

% Solids: 88.7

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: SL0017 **Lab Code:** K1012914-016

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.6	2.0	11/20/10	11/23/10	5.0	J	
Arsenic	6020	0.61	0.06	5.0	11/20/10	11/22/10	2.39		
Beryllium	6010B	1.20	0.01	2.0	11/20/10	11/23/10	0.40	J	
Cadmium	6020	0.024	0.005	5.0	11/20/10	11/22/10	0.139		
Chromium	6020	0.24	0.02	5.0	11/20/10	11/22/10	9.76		
Copper	6010B	2.4	0.7	2.0	11/20/10	11/23/10	10.9		
Lead	6010B	24.0	3.6	2.0	11/20/10	11/23/10	18.2	J	
Mercury	7471A	0.015	0.002	1.0	11/18/10	11/20/10	0.295		
Nickel	6010B	4.8	0.6	2.0	11/20/10	11/23/10	5.8		
Selenium	6010B	24.0	4.8	2.0	11/20/10	11/23/10	4.8	U	
Silver	6010B	2.4	0.5	2.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	24.0	3.6	2.0	11/20/10	11/23/10	13.8	J	
Zinc	6010B	2.4	0.4	2.0	11/20/10	11/23/10	68.0		

% Solids: 82.6

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: SL0018 **Lab Code:** K1012914-017

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.6	2.0	11/20/10	11/23/10	3.9	J	
Arsenic	6020	0.60	0.06	5.0	11/20/10	11/22/10	2.54		
Beryllium	6010B	1.21	0.01	2.0	11/20/10	11/23/10	0.36	J	
Cadmium	6020	0.024	0.005	5.0	11/20/10	11/22/10	0.143		
Chromium	6020	0.24	0.02	5.0	11/20/10	11/22/10	7.99		
Copper	6010B	2.4	0.7	2.0	11/20/10	11/23/10	9.8		
Lead	6010B	24.1	3.6	2.0	11/20/10	11/23/10	28.7		
Mercury	7471A	0.015	0.001	1.0	11/18/10	11/20/10	0.031		
Nickel	6010B	4.8	0.6	2.0	11/20/10	11/23/10	6.8		
Selenium	6010B	24.1	4.8	2.0	11/20/10	11/23/10	4.8	U	
Silver	6010B	2.4	0.5	2.0	11/20/10	11/23/10	0.5	J	
Thallium	6010B	24.1	3.6	2.0	11/20/10	11/23/10	7.2	J	
Zinc	6010B	2.4	0.4	2.0	11/20/10	11/23/10	75.4		

% Solids: 82.0

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: SL0019 **Lab Code:** K1012914-018

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.6	2.0	11/20/10	11/23/10	5.4	J	
Arsenic	6020	0.59	0.06	5.0	11/20/10	11/22/10	2.49		
Beryllium	6010B	1.18	0.01	2.0	11/20/10	11/23/10	0.40	J	
Cadmium	6020	0.024	0.005	5.0	11/20/10	11/22/10	0.196		
Chromium	6020	0.24	0.02	5.0	11/20/10	11/22/10	9.30		
Copper	6010B	2.4	0.7	2.0	11/20/10	11/23/10	8.2		
Lead	6010B	23.7	3.6	2.0	11/20/10	11/23/10	60.6		
Mercury	7471A	0.017	0.002	1.0	11/18/10	11/20/10	0.046		
Nickel	6010B	4.7	0.6	2.0	11/20/10	11/23/10	5.4		
Selenium	6010B	23.7	4.7	2.0	11/20/10	11/23/10	4.7	U	
Silver	6010B	2.4	0.5	2.0	11/20/10	11/23/10	0.9	J	
Thallium	6010B	23.7	3.6	2.0	11/20/10	11/23/10	5.7	J	
Zinc	6010B	2.4	0.4	2.0	11/20/10	11/23/10	66.3		

% Solids: 84.5

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: SL0020 **Lab Code:** K1012914-019

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.5	2.0	11/20/10	11/23/10	3.5	U	
Arsenic	6020	0.58	0.06	5.0	11/20/10	11/22/10	1.97		
Beryllium	6010B	1.18	0.01	2.0	11/20/10	11/23/10	0.39	J	
Cadmium	6020	0.023	0.005	5.0	11/20/10	11/22/10	0.143		
Chromium	6020	0.23	0.02	5.0	11/20/10	11/22/10	7.12		
Copper	6010B	2.4	0.7	2.0	11/20/10	11/23/10	6.1		
Lead	6010B	23.5	3.5	2.0	11/20/10	11/23/10	69.7		
Mercury	7471A	0.010	0.001	1.0	11/18/10	11/20/10	0.022		
Nickel	6010B	4.7	0.6	2.0	11/20/10	11/23/10	4.4	J	
Selenium	6010B	23.5	4.7	2.0	11/20/10	11/23/10	4.7	U	
Silver	6010B	2.4	0.5	2.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	23.5	3.5	2.0	11/20/10	11/23/10	5.4	J	
Zinc	6010B	2.4	0.4	2.0	11/20/10	11/23/10	66.3		

% Solids: 85.1

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	
Project Name:	San Jacinto Waste Pits	**Date Received:**	
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: Method Blank **Lab Code:** K1012914-MB

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	10	3.0	2.0	11/20/10	11/23/10	3.0	U	
Arsenic	6020	0.50	0.05	5.0	11/20/10	11/22/10	0.05	U	
Beryllium	6010B	1.00	0.01	2.0	11/20/10	11/23/10	0.01	U	
Cadmium	6020	0.020	0.004	5.0	11/20/10	11/22/10	0.005	J	
Chromium	6020	0.20	0.02	5.0	11/20/10	11/22/10	0.08	J	
Copper	6010B	2.0	0.6	2.0	11/20/10	11/23/10	0.6	U	
Lead	6010B	20.0	3.0	2.0	11/20/10	11/23/10	3.0	U	
Mercury	7471A	0.020	0.002	1.0	11/18/10	11/20/10	0.002	U	
Nickel	6010B	4.0	0.5	2.0	11/20/10	11/23/10	0.5	U	
Selenium	6010B	20.0	4.0	2.0	11/20/10	11/23/10	4.0	U	
Silver	6010B	2.0	0.4	2.0	11/20/10	11/23/10	0.6	J	
Thallium	6010B	20.0	3.0	2.0	11/20/10	11/23/10	3.0	U	
Zinc	6010B	2.0	0.3	2.0	11/20/10	11/23/10	0.3	U	

% Solids: 100.0

Comments:

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICV Source: Inorganic Ventures CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	2500	2520	101	2500	2472	99	2453	98	6010B
Arsenic	25.0	25.3	101	25.0	24.5	98	24.1	96	6020
Beryllium	125	131	105	50	50	100	51	102	6010B
Cadmium	12.5	13.0	104	25.0	25.0	100	24.4	98	6020
Chromium	10.0	10.3	103	25.0	24.6	98	24.4	98	6020
Copper	625	636	102	500	494	99	488	98	6010B
Lead	2500	2544	102	2500	2523	101	2533	101	6010B
Mercury	5.00	5.11	102	5.00	5.05	101	5.16	103	7471A
Nickel	1250	1268	101	500	505	101	507	101	6010B
Selenium	2500	2589	104	2500	2481	99	2484	99	6010B
Silver	625	641	103	500	503	101	502	100	6010B
Thallium	2500	2513	101	5000	4899	98	4895	98	6010B
Zinc	1250	1269	102	500	493	99	497	99	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICV Source: Inorganic Ventures CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				2500	2443	98	2459	98	6010B
Arsenic				25.0	24.4	98	24.4	98	6020
Beryllium				50	50	100	50	100	6010B
Cadmium				25.0	25.1	100	25.1	100	6020
Chromium				25.0	25.1	100	25.1	100	6020
Copper				500	494	99	500	100	6010B
Lead				2500	2514	101	2483	99	6010B
Mercury				5.00	5.14	103	5.00	100	7471A
Nickel				500	504	101	500	100	6010B
Selenium				2500	2464	99	2473	99	6010B
Silver				500	508	102	502	100	6010B
Thallium				5000	4914	98	4913	98	6010B
Zinc				500	496	99	495	99	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICV Source: Inorganic Ventures **CCV Source:** CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				2500	2476	99			6010B
Beryllium				50	50	100			6010B
Copper				500	498	100			6010B
Lead				2500	2516	101			6010B
Nickel				500	507	101			6010B
Selenium				2500	2466	99			6010B
Silver				500	506	101			6010B
Thallium				5000	4995	100			6010B
Zinc				500	501	100			6010B

Metals
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				50.0	43.1	86		
Arsenic				1.00	0.45	45		
Beryllium				5.0	4.9	98		
Cadmium				0.04	0.021	52		
Chromium				0.4	0.24	60		
Copper				10.0	9.1	91		
Lead				50.0	57.6	115		
Mercury	0.20	0.23	115					
Nickel				20.0	21.5	108		
Silver				10.0	15.5	155		
Zinc				10.0	11.1	111		

Metals

BLANKS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Concentration Units: ug/L

Analyte	Initial Calib. Blank	C	Continuing Calibration Blank 1	C	2	C	3	C	Method
Antimony	15	U	15	U	15	U	15	U	6010B
Arsenic	0.1	U	0.1	U	0.1	U	0.1	U	6020
Beryllium	-0.07	J	0.07	J	0.07	J	0.10	J	6010B
Cadmium	0.008	U	0.008	U	0.008	U	0.008	U	6020
Chromium	0.03	U	0.03	U	0.03	J	0.03	U	6020
Copper	3.0	U	3.0	U	3.0	U	3.0	U	6010B
Lead	15	U	15	U	15	U	15	U	6010B
Mercury	0.020	U	0.020	U	0.020	U	0.020	U	7471A
Nickel	2.5	U	2.5	U	2.5	U	2.5	U	6010B
Silver	2.1	J	4.3	J	2.0	U	2.0	U	6010B
Zinc	1.5	U	1.8	J	1.5	U	1.5	U	6010B

Metals

- 3 -

BLANKS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Concentration Units: ug/L

Analyte	Initial Calib. Blank	C	Continuing Calibration Blank 1	C	2	C	3	C	Method
Antimony			15	U	15	U			6010B
Arsenic			0.1	U					6020
Beryllium			0.12	J	0.25	J			6010B
Cadmium			0.010	J					6020
Chromium			0.03	U					6020
Copper			3.0	U	3.0	U			6010B
Lead			15	U	15	U			6010B
Mercury			0.020	U					7471A
Nickel			2.5	U	2.5	U			6010B
Silver			2.0	U	2.0	U			6010B
Zinc			1.5	U	1.5	U			6010B

Metals

ICP INTERFERENCE CHECK SAMPLE

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-AES-02 **ICS Source:** Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Antimony		1000	84	1027.3	102.7			
Beryllium		500	0	547.1	109.4			
Copper		500	-1	461.2	92.2			
Lead		1000	-21	950.5	95.0			
Nickel		1000	-7	919.8	92.0			
Silver		1000	1	954.2	95.4			
Zinc		1000	10	951.1	95.1			

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

ICP INTERFERENCE CHECK SAMPLE

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-MS-02 ICS Source: Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic	0.0	25.0	0.0	25.8	103			
Cadmium	0.0	25.0	0.4	25.6	102			
Chromium	0.0	50.0	0.7	51.9	104			

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Columbia Analytical Services

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client:	Integral Consulting, Incorporate	Service Request:	K1012914
Project No.:	090557-01.01	Units:	MG/KG
Project Name:	San Jacinto Waste Pits	Basis:	DRY
Matrix:	SEDIMENT	% Solids:	83.8

Sample Name: SL0001S Lab Code: K1012914-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	78 - 121	121		0.92		116.99	102.6		6020
Cadmium	68 - 137	12.8		0.029		11.70	109.2		6020
Chromium	48 - 146	50.1		2.28		46.80	102.2		6020
Mercury	60 - 135	0.397		0.005	J	0.42	93.3		7471A

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5A -

SPIKE SAMPLE RECOVERY

Client: Integral Consulting, Incorporate
Service Request: K1012914
Project No.: 090557-01.01
Units: MG/KG
Project Name: San Jacinto Waste Pits
Basis: DRY
Matrix: SEDIMENT
% Solids: 67.4

Sample Name: Batch QC1S
Lab Code: K1012543-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Antimony	10 - 118	36		6.6	J	98.91	29.7		6010B
Beryllium	78 - 115	10.6		0.69	J	9.89	100.2		6010B
Copper	24 - 173	62.0		15.2		49.46	94.6		6010B
Lead	46 - 151	106		12.5	J	98.91	94.5		6010B
Nickel	70 - 110	127		30.7		98.91	97.4		6010B
Selenium	72 - 120	97.0		4.0	U	98.91	98.1		6010B
Silver	68 - 119	10.2		0.5	J	9.89	98.1		6010B
Thallium	32 - 161	107		21.8		98.91	86.1		6010B
Zinc	44 - 132	152		55.6		98.91	97.5		6010B

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5B -

POST SPIKE SAMPLE RECOVERY

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01 **Units:** UG/L

Project Name: San Jacinto Waste Pits **Basis:** DRY

Matrix: WATER

Sample Name: SL0001A **Lab Code:** K1012914-001A

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	75 - 125	48.4		1.6		50.0	94		6020
Cadmium	75 - 125	48.630		0.050		50.0	97		6020
Chromium	75 - 125	53.69		3.90		50.0	100		6020

Metals

- 6 -

DUPLICATES

Client:	Integral Consulting, Incorporate	Service Request:	K1012914
Project No.:	090557-01.01	Units:	MG/KG
Project Name:	San Jacinto Waste Pits	Basis:	DRY
Matrix:	SEDIMENT	% Solids:	83.8

Sample Name: SL0001D Lab Code: K1012914-001D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.92		1.03		11.3		6020
Cadmium		0.029		0.029		0.0		6020
Chromium	20	2.28		2.58		12.3		6020
Mercury		0.005	J	0.005	J	0.0		7471A

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

- 6 -

DUPLICATES

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01 Units: MG/KG

Project Name: San Jacinto Waste Pits Basis: DRY

Matrix: SEDIMENT % Solids: 67.4

Sample Name: Batch QC1D Lab Code: K1012543-001D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony		6.6	J	5.1	J	25.6		6010B
Beryllium		0.69	J	0.69	J	0.0		6010B
Copper	30	15.2		17.1		11.8		6010B
Lead		12.5	J	11.6	J	7.5		6010B
Nickel	30	30.7		33.8		9.6		6010B
Selenium		4.0	U	4.0	U			6010B
Silver		0.5	J	0.4	U	200.0		6010B
Thallium		21.8		24.0		9.6		6010B
Zinc	30	55.6		60.5		8.4		6010B

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

LABORATORY CONTROL SAMPLE

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Aqueous LCS Source: **Solid LCS Source:** ERA D065540

Analyte	Aqueous: ug/L			Solid: mg/kg				
	True	Found	%R	True	Found	C	Limits	%R
Antimony				105	88	50	150	83.8
Arsenic				88.3	89.7	78	122	101.6
Beryllium				58.2	60.6	83	117	104.1
Cadmium				91	96.0	81	119	105.5
Chromium				144	144	80	119	100.0
Copper				237	238	83	116	100.4
Lead				104	99.9	79	121	96.1
Mercury				6.8	8.010	71	128	117.8
Nickel				200	206	81	118	103.0
Selenium				192	192	80	120	100.0
Silver				76.4	76.2	66	134	99.7
Thallium				247	245	79	120	99.2
Zinc				292	316	73	121	108.2

Metals

- 9 -

ICP SERIAL DILUTIONS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01 **Units:** UG/L

Project Name: San Jacinto Waste Pits

Sample Name: SL0001L **Lab Code:** K1012914-001L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony	15.00	U	75.00	U			P
Arsenic	1.6		1.4	J	12		MS
Beryllium	0.84	J	0.85	J	1.2		P
Cadmium	0.050		0.060	J	20		MS
Chromium	3.90		4.21		8		MS
Copper	11.22		15.00	U	100.0		P
Lead	19.72	J	75.00	U	100.0		P
Nickel	8.48	J	12.50	U	100.0		P
Selenium	20.00	U	100.00	U			P
Silver	2.00	U	13.95	J	100.0		P
Thallium	15.00	U	75.00	U			P
Zinc	101.82		95.75		6.0		P

Metals

- 9 -

ICP SERIAL DILUTIONS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01 **Units:** UG/L

Project Name: San Jacinto Waste Pits

Sample Name: SL0017L **Lab Code:** K1012914-016L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Mercury	3.88		4.20		8		CV

Metals

- 10 -

DETECTION LIMITS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP/ICP-MS ID #:

GFAA ID #: AA ID #: K-CVAA-01

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Mercury	253.70		0.20	0.020	CV

Comments:

Metals

- 10 -

DETECTION LIMITS

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP/ICP-MS ID #: K-ICP-AES-02

GFAA ID #: AA ID #:

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Antimony	206.84		50	15.0	P
Beryllium	313.04		5.00	0.05	P
Copper	324.75		10.0	3.0	P
Lead	220.35		100	15.0	P
Nickel	231.60		20.0	2.5	P
Selenium	196.02		100.0	20.0	P
Silver	328.07		10.0	2.0	P
Thallium	190.86		100	15.0	P
Zinc	206.2		10.0	1.5	P

Comments:

Metals

- 10 -

DETECTION LIMITS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP/ICP-MS ID #: K-ICP-MS-02

GFAA ID #: AA ID #:

Analyte	Isotope	Back-ground	MRL ug/L	MDL ug/L	M
Arsenic	75		1.0	0.1	MS
Cadmium	111		0.040	0.008	MS
Chromium	52		0.40	0.03	MS

Comments:

Metals

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-AES-02

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As
Aluminum	308.215	0.0000000	0.0000000	-0.0004100	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	-0.0001100	-0.0000900	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	-0.0005800	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000900	0.0000000	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000200	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	-0.0000200	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0001200	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	-0.0000100	0.0000000	-0.0000100	-0.0000100	0.0000000
Nickel	231.604	0.0000000	0.0000000	-0.0000700	0.0000000	0.0000000
Phosphorus	214.9	-0.0002000	0.0000000	0.0004400	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0000600	0.0000000	-0.0000600	0.0000000	0.0000000
Silicon	228.158	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0001100	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0001900	-0.0000900	0.0000000
Tin	189.989	0.0000000	0.0000000	-0.0000400	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	-0.0000100	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

Columbia Analytical Services

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-AES-02

Analyte	Wave-length (nm)	Interelement Correction Factors for: Co	Cr	Cu	Mn	Mo
Aluminum	308.215	-0.0052000	-0.0034300	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0002400	0.0080100	0.0000000	-0.0001500	-0.0184200
Arsenic	189.042	0.0000000	0.0004000	0.0000000	0.0000000	0.0005700
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000800
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	-0.0001000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	-0.0000500	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0006000
Copper	324.754	0.0000000	-0.0000500	0.0000000	0.0000000	0.0002700
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0003800	-0.0002100	0.0000000	0.0000000	-0.0016500
Magnesium	202.5	0.3183600	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	-0.0001200	0.0000000	0.0000000	-0.0000900	0.0000000
Nickel	231.604	0.0000700	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0010100	-0.0810500	0.0000000	0.0038000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0003600	-0.0003700	0.0000000	0.0000000	0.0000000
Silicon	228.158	0.0000000	0.0000000	0.0000000	-0.0026300	0.0090100
Silver	328.068	0.0000000	0.0000800	0.0000000	0.0000000	-0.0005600
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0073700	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	-0.0002500	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0000900	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	-0.0012600	0.0000000	0.0000000	-0.0001000

Comments:

Columbia Analytical Services

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-AES-02

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	P	Ti	V
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	-0.0014400
Beryllium	313.042	0.0000000	0.0000000	-0.0000200	0.0016600
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	-0.0000900	0.0000000	0.0000500	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000200	0.0000000	0.0000000
Cobalt	228.616	0.0001300	0.0000000	0.0012500	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	-0.0008400
Iron	271.4	0.0000000	0.0000000	0.0000000	-0.0315100
Lead	220.353	0.0003800	0.0000000	-0.0006200	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	-0.0000500	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0000000	0.0000000	-0.0020400
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0007900	0.0000000	0.0000000	0.0004900
Silicon	228.158	0.0000000	0.0000000	0.0753200	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0007300	0.0000000
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0015400	0.0000000
Tin	189.989	0.0000000	0.0000000	-0.0015800	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

Metals
-12-
ICP LINEAR RANGES (QUARTERLY)

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-AES-02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony	5.000	90000	6010B
Beryllium	5.000	9000	6010B
Copper	5.000	90000	6010B
Lead	5.000	90000	6010B
Nickel	5.000	90000	6010B
Selenium	5.000	45000	6010B
Silver	5.000	9000	6010B
Thallium	5.000	90000	6010B
Zinc	5.000	90000	6010B

Comments:

Metals
-12-
ICP LINEAR RANGES (QUARTERLY)

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-MS-02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic	15.000	900	6020
Cadmium	15.000	900	6020
Chromium	15.000	900	6020

Comments:

Metals
-13-
PREPARATION LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Method: CV

Sample ID	Preparation Date	Initial Weight (g)	Final Volume(mL)
K1012914-001	11/18/10	0.73	50.0
K1012914-001D	11/18/10	0.71	50.0
K1012914-001S	11/18/10	0.71	50.0
K1012914-002	11/18/10	0.92	50.0
K1012914-009	11/18/10	0.70	50.0
K1012914-010	11/18/10	0.79	50.0
K1012914-016	11/18/10	0.80	50.0
K1012914-017	11/18/10	0.83	50.0
K1012914-018	11/18/10	0.68	50.0
K1012914-019	11/18/10	1.15	50.0
K1012914-MB	11/18/10	0.50	50.0
LCSS	11/18/10	0.27	50.0

Metals
-13-
PREPARATION LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Method: P

Sample ID	Preparation Date	Initial Weight (g)	Final Volume(mL)
K1012543-001D	11/20/10	1.48	100.0
K1012543-001S	11/20/10	1.50	100.0
K1012914-001	11/20/10	1.01	100.0
K1012914-002	11/20/10	1.02	100.0
K1012914-009	11/20/10	1.00	100.0
K1012914-010	11/20/10	1.01	100.0
K1012914-016	11/20/10	1.01	100.0
K1012914-017	11/20/10	1.01	100.0
K1012914-018	11/20/10	1.00	100.0
K1012914-019	11/20/10	1.00	100.0
K1012914-MB	11/20/10	1.00	100.0
LCSS	11/20/10	1.00	100.0

Metals
-13-
PREPARATION LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Method: MS

Sample ID	Preparation Date	Initial Weight (g)	Final Volume(mL)
K1012914-001	11/20/10	1.02	100.0
K1012914-001D	11/20/10	1.00	100.0
K1012914-001S	11/20/10	1.02	100.0
K1012914-002	11/20/10	1.01	100.0
K1012914-009	11/20/10	1.01	100.0
K1012914-010	11/20/10	1.01	100.0
K1012914-016	11/20/10	1.00	100.0
K1012914-017	11/20/10	1.02	100.0
K1012914-018	11/20/10	1.00	100.0
K1012914-019	11/20/10	1.02	100.0
K1012914-MB	11/20/10	1.00	100.0
LCSS	11/20/10	1.00	100.0

Columbia Analytical Services

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-CVAA-01 **Method:** CV

Start Date: 11/20/10 **End Date:** 11/20/10

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Standard #1	1	10:33																X									
Standard #2	1	10:35																X									
Standard #3	1	10:37																X									
Standard #4	1	10:39																X									
Standard #5	1	10:40																X									
ICV1	1	10:42																X									
ICB1	1	10:44																X									
CRDL1	1	10:46																X									
CCV1	1	10:47																X									
CCB1	1	10:49																X									
K1012914-MB	1	10:51																X									
LCSS	10	10:53																X									
ZZZZZZ	1	10:56																									
ZZZZZZ	1	10:58																									
ZZZZZZ	1	11:00																									
ZZZZZZ	1	11:02																									
ZZZZZZ	1	11:03																									
ZZZZZZ	1	11:05																									
ZZZZZZ	1	11:07																									
ZZZZZZ	1	11:09																									
CCV2	1	11:10																X									
CCB2	1	11:12																X									
ZZZZZZ	1	11:14																									
ZZZZZZ	1	11:16																									
ZZZZZZ	1	11:17																									
ZZZZZZ	1	11:19																									
K1012914-001	1	11:21																X									
K1012914-001D	1	11:23																X									
K1012914-001S	1	11:25																X									
K1012914-002	1	11:26																X									
K1012914-009	1	11:28																X									
K1012914-010	1	11:30																X									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-CVAA-01 **Method:** CV

Start Date: 11/20/10 **End Date:** 11/20/10

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV3	1	11:32																X									
CCB3	1	11:33																X									
K1012914-016	1	11:35																X									
K1012914-017	1	11:37																X									
K1012914-018	1	11:39																X									
K1012914-019	1	11:41																X									
K1012914-016L	5	11:44																X									
CCV4	1	11:49																X									
CCB4	1	11:51																X									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-ICP-AES-02 **Method:** P

Start Date: 11/23/10 **End Date:** 11/23/10

Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Blank	1	09:57			X			X					X		X				X		X	X		X		X	
STDB	1	10:00						X																			
STDA	1	10:03			X								X		X				X		X	X		X		X	
ICV1	1	10:07			X			X					X		X				X		X	X		X		X	
ZZZZZZ	1	10:10																									
ZZZZZZ	1	10:13																									
ICB1	1	10:16			X			X					X		X				X			X				X	
CCV1	1	10:22						X																			
CCV1	1	10:27			X								X		X				X		X	X		X		X	
CCB1	1	10:32			X			X					X		X				X			X				X	
CRDL1	1	10:35			X			X					X		X				X			X				X	
ICS-A1	1	10:38			X			X					X		X				X			X				X	
ICS-AB1	1	10:41			X			X					X		X				X			X				X	
ZZZZZZ	1	10:44																									
CCV2	1	10:47						X																			
CCV2	1	10:50			X								X		X				X		X	X		X		X	
CCB2	1	10:53			X			X					X		X				X			X				X	
K1012914-MB	2	10:56			X			X					X		X				X		X	X		X		X	
LCSS	2	10:59			X			X					X		X				X		X	X		X		X	
ZZZZZZ	2	11:02																									
K1012543-001D	2	11:05			X			X					X		X				X		X	X		X		X	
K1012543-001S	2	11:08			X			X					X		X				X		X	X		X		X	
K1012914-001	2	11:11			X			X					X		X				X		X	X		X		X	
K1012914-001L	5	11:14			X			X					X		X				X		X	X		X		X	
K1012914-002	2	11:17			X			X					X		X				X		X	X		X		X	
K1012914-009	2	11:20			X			X					X		X				X		X	X		X		X	
K1012914-010	2	11:23			X			X					X		X				X		X	X		X		X	
CCV3	1	11:26						X																			
CCV3	1	11:29			X								X		X				X		X	X		X		X	
CCB3	1	11:32			X			X					X		X				X			X				X	
K1012914-016	2	11:35			X			X					X		X				X		X	X		X		X	
K1012914-017	2	11:38			X			X					X		X				X		X	X		X		X	

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-ICP-AES-02 **Method:** P

Start Date: 11/23/10 **End Date:** 11/23/10

Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K1012914-018	2	11:41			X			X					X		X				X		X	X		X		X	
K1012914-019	2	11:44			X			X					X		X				X		X	X		X		X	
ZZZZZZ	1	11:47																									
ZZZZZZ	1	11:50																									
ZZZZZZ	1	11:53																									
ZZZZZZ	1	11:56																									
ZZZZZZ	1	11:59																									
ZZZZZZ	5	12:02																									
CCV4	1	12:05						X																			
CCV4	1	12:08			X								X		X				X		X	X		X		X	
CCB4	1	12:11			X			X					X		X				X			X				X	
ZZZZZZ	1	12:15																									
ZZZZZZ	1	12:18																									
ZZZZZZ	1	12:21																									
ZZZZZZ	1	12:24																									
ZZZZZZ	1	12:27																									
ZZZZZZ	1	12:30																									
ZZZZZZ	1	12:33																									
ZZZZZZ	1	12:36																									
ZZZZZZ	1	12:39																									
ZZZZZZ	1	12:42																									
CCV5	1	12:45						X																			
CCV5	1	12:48			X								X		X				X		X	X		X		X	
CCB5	1	12:51			X			X					X		X				X			X				X	

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-ICP-MS-02 **Method:** MS

Start Date: 11/22/10 **End Date:** 11/22/10

Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Cal. Blk	1	16:25				X			X		X																
Cal. Stn	1	16:27				X			X		X																
ICV1	1	16:30				X			X		X																
CCV1	1	16:32				X			X		X																
ICB1	1	16:35				X			X		X																
CCB1	1	16:38				X			X		X																
CRA	1	16:40				X			X		X																
ICS-A1	1	16:43				X			X		X																
ICS-AB1	1	16:45				X			X		X																
K1012914-MB	5	16:48				X			X		X																
LCSS	100	16:50				X			X		X																
K1012914-001	5	16:53				X			X		X																
K1012914-001D	5	16:56				X			X		X																
K1012914-001L	25	16:58				X			X		X																
K1012914-001A	5	17:01				X			X		X																
K1012914-001S	25	17:03				X			X		X																
K1012914-002	5	17:06				X			X		X																
K1012914-009	5	17:09				X			X		X																
K1012914-010	5	17:11				X			X		X																
CCV2	1	17:14				X			X		X																
CCB2	1	17:16				X			X		X																
K1012914-016	5	17:19				X			X		X																
K1012914-017	5	17:22				X			X		X																
K1012914-018	5	17:24				X			X		X																
K1012914-019	5	17:27				X			X		X																
ZZZZZZ	5	17:29																									
ZZZZZZ	25	17:32																									
ZZZZZZ	25	17:35																									
ZZZZZZ	5	17:37																									
ZZZZZZ	25	17:40																									
ZZZZZZ	1	17:42																									
CCV3	1	17:45				X			X		X																

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-ICP-MS-02 **Method:** MS

Start Date: 11/22/10 **End Date:** 11/22/10

Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB3	1	17:48				X			X		X																
ZZZZZZ	5	17:50																									
ZZZZZZ	5	17:53																									
ZZZZZZ	1	17:55																									
ZZZZZZ	1	17:58																									
ZZZZZZ	1	18:01																									
ZZZZZZ	1	18:03																									
ZZZZZZ	5	18:06																									
ZZZZZZ	1	18:09																									
ZZZZZZ	1	18:11																									
CCV4	1	18:14				X			X		X																
CCB4	1	18:16				X			X		X																

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Columbia Analytical Services Contract: 090557-01.01

Lab Code: CAS Case No.: NRAS No.: SDG NO.: K1012914

ICP-MS Instrument ID: K-ICP-MS-02 Start Date: 11/22/2010 End Date: 11/22/2010

Sample No.	Client ID	Time	Internal Standards %RI For:											
			Element Sc_45	Q	Element Rh_103	Q	Element In_115	Q	Element	Q	Element	Q	Element	Q
Cal. Blk	Cal. Blk	1625	100		100		100							
Cal. Stn	Cal. Stn	1627	105		106		108							
ICV1	ICV1	1630	105		106		106							
CCV1	CCV1	1632	107		106		108							
ICB1	ICB1	1635	109		105		106							
CCB1	CCB1	1638	109		105		105							
CRA	SOIL CRA	1640	108		105		105							
ICS-A1	ICSA	1643	88		83		86							
ICS-AB1	ICSAB	1645	85		82		86							
K1012914-MB	Method Blank	1648	102		98		98							
LCSS	LCSS K1012914	1650	104		101		102							
K1012914-001	SL0001	1653	106		100		101							
K1012914-001D	SL0001D	1656	110		100		101							
K1012914-001L	SL0001L	1658	106		102		102							
K1012914-001A	SL0001A	1701	108		103		105							
K1012914-001S	SL0001S	1703	104		102		102							
K1012914-002	SL0002	1706	114		98		99							
K1012914-009	SL0009	1709	113		99		101							
K1012914-010	SL0010	1711	115		102		102							
CCV2	CCV2	1714	113		108		108							
CCB2	CCB2	1716	110		104		104							
K1012914-016	SL0017	1719	109		85		90							
K1012914-017	SL0018	1722	108		87		91							
K1012914-018	SL0019	1724	107		85		88							
K1012914-019	SL0020	1727	109		88		91							
ZZZZZZ	ZZZZZZ	1729												
ZZZZZZ	ZZZZZZ	1732												
ZZZZZZ	ZZZZZZ	1735												
ZZZZZZ	ZZZZZZ	1737												
ZZZZZZ	ZZZZZZ	1740												
ZZZZZZ	ZZZZZZ	1742												
CCV3	CCV3	1745	106		105		106							
CCB3	CCB3	1748	108		103		104							
ZZZZZZ	ZZZZZZ	1750												
ZZZZZZ	ZZZZZZ	1753												
ZZZZZZ	ZZZZZZ	1755												
ZZZZZZ	ZZZZZZ	1758												
ZZZZZZ	ZZZZZZ	1801												
ZZZZZZ	ZZZZZZ	1803												
ZZZZZZ	ZZZZZZ	1806												
ZZZZZZ	ZZZZZZ	1809												
ZZZZZZ	ZZZZZZ	1811												
CCV4	CCV4	1814	104		102		103							
CCB4	CCB4	1816	107		100		101							

Columbia Analytical Services

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Integral Consulting, Incorporated
Project Name: San Jacinto Waste Pits
Project No.: 090557-01.01

Service Request: K1012914

Sample Name:	Lab Code:
FW0001	K1012914-029
FW0002	K1012914-030
FW0003	K1012914-031
Method Blank	K1012914-MB

Comments:

Approved By: _____ **Date:** 11/30/10

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	WIPES	**Units:**	ug
		Basis:	NA

Sample Name: FW0001 **Lab Code:** K1012914-029

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Arsenic	6020	0.25	0.04	5.0	11/20/10	11/22/10	0.07	J	
Beryllium	6010B	0.50	0.01	1.0	11/20/10	11/23/10	0.01	J	
Cadmium	6020	0.010	0.002	5.0	11/20/10	11/22/10	0.003	J	
Chromium	6020	0.10	0.02	5.0	11/20/10	11/22/10	2.60		
Copper	6010B	1.0	0.2	1.0	11/20/10	11/23/10	1.6		
Lead	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Mercury	7470A	0.080	0.008	4.0	11/20/10	11/29/10	0.008	J	
Nickel	6010B	2.0	0.2	1.0	11/20/10	11/23/10	2.0	J	
Selenium	6010B	10	3	1.0	11/20/10	11/23/10	3	U	
Silver	6010B	1.0	0.5	1.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	10	2	1.0	11/20/10	11/23/10	48		
Zinc	6010B	1.0	0.1	1.0	11/20/10	11/23/10	66.9		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/16/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	WIPES	**Units:**	ug
		Basis:	NA

Sample Name: FW0002 **Lab Code:** K1012914-030

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Arsenic	6020	0.25	0.04	5.0	11/20/10	11/22/10	0.09	J	
Beryllium	6010B	0.50	0.01	1.0	11/20/10	11/23/10	0.01	J	
Cadmium	6020	0.010	0.002	5.0	11/20/10	11/22/10	0.012		
Chromium	6020	0.10	0.02	5.0	11/20/10	11/22/10	2.06		X
Copper	6010B	1.0	0.2	1.0	11/20/10	11/23/10	1.4		
Lead	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Mercury	7470A	0.080	0.008	4.0	11/20/10	11/29/10	0.008	U	
Nickel	6010B	2.0	0.2	1.0	11/20/10	11/23/10	1.2	J	
Selenium	6010B	10	3	1.0	11/20/10	11/23/10	3	U	
Silver	6010B	1.0	0.5	1.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	10	2	1.0	11/20/10	11/23/10	105		
Zinc	6010B	1.0	0.1	1.0	11/20/10	11/23/10	62.0		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/16/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	WIPES	**Units:**	ug
		Basis:	NA

Sample Name: FW0003 **Lab Code:** K1012914-031

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Arsenic	6020	0.25	0.04	5.0	11/20/10	11/22/10	0.08	J	
Beryllium	6010B	0.50	0.01	1.0	11/20/10	11/23/10	0.01	U	
Cadmium	6020	0.010	0.002	5.0	11/20/10	11/22/10	0.002	J	
Chromium	6020	0.10	0.02	5.0	11/20/10	11/22/10	0.70		X
Copper	6010B	1.0	0.2	1.0	11/20/10	11/23/10	1.5		
Lead	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Mercury	7470A	0.080	0.008	4.0	11/20/10	11/29/10	0.008	U	
Nickel	6010B	2.0	0.2	1.0	11/20/10	11/23/10	0.2	U	
Selenium	6010B	10	3	1.0	11/20/10	11/23/10	3	U	
Silver	6010B	1.0	0.5	1.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	10	2	1.0	11/20/10	11/23/10	45		
Zinc	6010B	1.0	0.1	1.0	11/20/10	11/23/10	71.4		

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Integral Consulting, Incorporate
Service Request: K1012914
Project No.: 090557-01.01
Date Collected:
Project Name: San Jacinto Waste Pits
Date Received:
Matrix: WIPES
Units: ug
Basis: NA

Sample Name: Method Blank
Lab Code: K1012914-MB

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Arsenic	6020	0.25	0.04	5.0	11/20/10	11/22/10	0.04	U	
Beryllium	6010B	0.50	0.01	1.0	11/20/10	11/23/10	0.01	U	
Cadmium	6020	0.010	0.002	5.0	11/20/10	11/22/10	0.002	J	
Chromium	6020	0.10	0.02	5.0	11/20/10	11/22/10	0.13		
Copper	6010B	1.0	0.2	1.0	11/20/10	11/23/10	0.2	U	
Lead	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Mercury	7470A	0.080	0.008	4.0	11/20/10	11/29/10	0.008	U	
Nickel	6010B	2.0	0.2	1.0	11/20/10	11/23/10	0.2	U	
Selenium	6010B	10	3	1.0	11/20/10	11/23/10	3	U	
Silver	6010B	1.0	0.5	1.0	11/20/10	11/23/10	0.7	J	
Thallium	6010B	10	2	1.0	11/20/10	11/23/10	2	U	
Zinc	6010B	1.0	0.1	1.0	11/20/10	11/23/10	0.3	J	

Comments:

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICV Source: Inorganic Ventures CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	2500	2520	101	2500	2472	99	2453	98	6010B
Arsenic	25.0	25.3	101	25.0	24.5	98	24.1	96	6020
Beryllium	125	131	105	50	50	100	51	102	6010B
Cadmium	12.5	13.0	104	25.0	25.0	100	24.4	98	6020
Chromium	10.0	10.3	103	25.0	24.6	98	24.4	98	6020
Copper	625	636	102	500	494	99	488	98	6010B
Lead	2500	2544	102	2500	2523	101	2533	101	6010B
Mercury	5.00	5.40	108	5.00	5.40	108	5.40	108	7470A
Nickel	1250	1268	101	500	505	101	507	101	6010B
Selenium	2500	2589	104	2500	2481	99	2484	99	6010B
Silver	625	641	103	500	503	101	502	100	6010B
Thallium	2500	2513	101	5000	4899	98	4895	98	6010B
Zinc	1250	1269	102	500	493	99	497	99	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICV Source: Inorganic Ventures CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				2500	2443	98	2459	98	6010B
Arsenic				25.0	24.4	98	24.4	98	6020
Beryllium				50	50	100	50	100	6010B
Cadmium				25.0	25.1	100	25.1	100	6020
Chromium				25.0	25.1	100	25.1	100	6020
Copper				500	494	99	500	100	6010B
Lead				2500	2514	101	2483	99	6010B
Nickel				500	504	101	500	100	6010B
Selenium				2500	2464	99	2473	99	6010B
Silver				500	508	102	502	100	6010B
Thallium				5000	4914	98	4913	98	6010B
Zinc				500	496	99	495	99	6010B

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICV Source: Inorganic Ventures CCV Source: CAS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				2500	2476	99			6010B
Beryllium				50	50	100			6010B
Copper				500	498	100			6010B
Lead				2500	2516	101			6010B
Nickel				500	507	101			6010B
Selenium				2500	2466	99			6010B
Silver				500	506	101			6010B
Thallium				5000	4995	100			6010B
Zinc				500	501	100			6010B

Metals
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				50.00	43.10	86		
Arsenic				0.5	0.4	80		
Beryllium				5.00	4.93	99		
Cadmium				0.02	0.02	100		
Chromium				0.2	0.2	100		
Copper				10.00	9.08	91		
Lead				50.00	57.58	115		
Mercury				0.20	0.22	110		
Nickel				20.00	21.53	108		
Silver				10.00	15.52	155		
Zinc				10.00	11.10	111		

Metals

- 3 -

BLANKS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Concentration Units: ug/L

Analyte	Initial Calib. Blank	C	Continuing Calibration Blank 1	C	2	C	3	C	Method
Antimony	20.0	U	20.0	U	20.0	U	20.0	U	6010B
Arsenic	0.07	U	0.07	U	-0.09	J	0.07	U	6020
Beryllium	-0.07	J	0.07	J	0.07	J	0.10	J	6010B
Cadmium	0.003	U	0.003	U	0.003	U	0.005	J	6020
Chromium	0.04	U	0.04	U	0.04	U	0.04	U	6020
Copper	2.0	U	2.0	U	2.0	U	2.0	U	6010B
Lead	20	U	20	U	20	U	20	U	6010B
Mercury	0.02	U	0.02	U	0.02	U			7470A
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	6010B
Silver	5.0	U	5.0	U	5.0	U	5.0	U	6010B
Zinc	1.1	J	1.8	J	1.1	J	0.8	U	6010B

Metals

- 3 -

BLANKS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Concentration Units: ug/L

Analyte	Initial Calib. Blank	C	Continuing Calibration Blank 1	C	2	C	3	C	Method
Antimony			20.0	U	20.0	U			6010B
Arsenic			0.07	U					6020
Beryllium			0.12	J	0.25	J			6010B
Cadmium			0.010	J					6020
Chromium			0.04	U					6020
Copper			2.0	U	2.0	U			6010B
Lead			20	U	20	U			6010B
Nickel			2.0	U	2.0	U			6010B
Silver			5.0	U	5.0	U			6010B
Zinc			0.8	U	0.8	U			6010B

Metals

ICP INTERFERENCE CHECK SAMPLE

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-AES-02 **ICS Source:** Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Antimony		1000	84	1027.3	102.7			
Beryllium		500	0	547.1	109.4			
Copper		500	-1	461.2	92.2			
Lead		1000	-21	950.5	95.0			
Nickel		1000	-7	919.8	92.0			
Silver		1000	1	954.2	95.4			
Zinc		1000	10	951.1	95.1			

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

ICP INTERFERENCE CHECK SAMPLE

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-MS-02 **ICS Source:** Inorganic Ventures

Concentration Units: ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic		25	0.0	25.8	103			
Cadmium		25	0.4	25.6	102			
Chromium		50	0.7	51.9	104			

80-120% control criteria is not applicable to interfering elements (Al,Ca,Fe,Mg).

Metals

- 5B -

POST SPIKE SAMPLE RECOVERY

Client: Integral Consulting, Incorporate
Service Request: K1012914
Project No.: 090557-01.01
Units: UG/L
Project Name: San Jacinto Waste Pits
Basis: NA
Matrix: WATER

Sample Name: FW0001A
Lab Code: K1012914-029A

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Antimony	70 - 130	2407.63		20.00	U	2500.0	96		6010B
Arsenic	75 - 125	48.100		0.144	J	50.0	96		6020
Beryllium	70 - 130	127.80		0.05	J	125.0	102		6010B
Cadmium	75 - 125	49.640		0.007	J	50.0	99		6020
Chromium	75 - 125	54.49		5.21		50.0	99		6020
Copper	70 - 130	611.54		16.04		625.0	95		6010B
Lead	70 - 130	2415.08		20.00	U	2500.0	97		6010B
Mercury	85 - 115	5.50		0.02	J	5.00	110		7470A
Nickel	70 - 130	1242.88		19.82	J	1250.0	98		6010B
Selenium	70 - 130	2580.52		30.00	U	2500.0	103		6010B
Silver	70 - 130	590.34		5.00	U	625.0	94		6010B
Thallium	70 - 130	2959.18		476.60		2500.0	99		6010B
Zinc	75 - 125	1835.26		668.91		1000.0	117		6010B

Metals

LABORATORY CONTROL SAMPLE

:lient: Integral Consulting, Incorporate **Service Request:** K1012914

'roject No.: 090557-01.01

'roject Name: San Jacinto Waste Pits

ıqueous LCS Source: CAS MIXED Solid LCS Source:

Analyte	Aqueous: ug/L True	Found	%R	Solid: mg/kg True	Found	C	Limits		%R
Antimony	1000	959	95.9						
Arsenic	1000	1060	106.0						
Beryllium	100	102	102.0						
Cadmium	100	109	109.0						
Chromium	500	424	84.8						
Copper	500	457	91.4						
Lead	1000	988	98.8						
Mercury	10	10.0	100.0						
Nickel	1000	992	99.2						
Selenium	1000	962	96.2						
Silver	100	92.2	92.2						
Thallium	1000	952	95.2						
Zinc	1000	1000	100.0						

Metals

LABORATORY CONTROL SAMPLE

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Aqueous LCS Source: CAS MIXED **Solid LCS Source:**

Analyte	Aqueous: ug/L			Solid: mg/kg				
	True	Found	%R	True	Found	C	Limits	%R
Antimony	1000	892	89.2					
Arsenic	1000	1040	104.0					
Beryllium	100	98	98.0					
Cadmium	100	107	107.0					
Chromium	500	413	82.6					
Copper	500	430	86.0					
Lead	1000	961	96.1					
Mercury	10	9.20	92.0					
Nickel	1000	957	95.7					
Selenium	1000	910	91.0					
Silver	100	87.1	87.1					
Thallium	1000	930	93.0					
Zinc	1000	963	96.3					

Metals

- 9 -

ICP SERIAL DILUTIONS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01 **Units:** UG/L

Project Name: San Jacinto Waste Pits

Sample Name: FW0001L **Lab Code:** K1012914-029L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Differ-ence	Q	M
Antimony	20.00	U	100.00	U			P
Arsenic	0.14	J	0.35	U	100.0		MS
Beryllium	0.05	J	0.25	U	100.0		P
Cadmium	0.007	J	0.015	U	100.0		MS
Chromium	5.21		5.85		12	E	MS
Copper	16.04		10.00	U	100.0		P
Lead	20.00	U	100.00	U			P
Nickel	19.82	J	20.25	J	2.2		P
Selenium	30.00	U	150.00	U			P
Silver	5.00	U	25.00	U			P
Thallium	476.60		619.60		30.0		P
Zinc	668.91		694.95		3.9		P

Metals

- 10 -

DETECTION LIMITS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP/ICP-MS ID #:

GFAA ID #: **AA ID #:**

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Mercury	253.7		0.20	0.02	CV

Comments:

Metals

- 10 -

DETECTION LIMITS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP/ICP-MS ID #: K-ICP-AES-02

GFAA ID #: AA ID #:

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Antimony	206.84		50	20.0	P
Beryllium	313.04		5.0	0.05	P
Copper	324.75		10	2.0	P
Lead	220.35		50	20.0	P
Nickel	231.60		20	2.0	P
Selenium	196.02		100	30.0	P
Silver	328.07		10	5.0	P
Thallium	190.86		100	20.0	P
Zinc	206.2		10	0.8	P

Comments:

Metals

- 10 -

DETECTION LIMITS

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP/ICP-MS ID #: K-ICP-MS-02

GFAA ID #: AA ID #:

Analyte	Isotope	Back-ground	MRL ug/L	MDL ug/L	M
Arsenic	75		0.50	0.07	MS
Cadmium	111		0.02	0.00	MS
Chromium	52		0.20	0.04	MS

Comments:

Metals

- 11A -

ICP INTERELEMENT CORRECTION FACTORS

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-AES-02

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As
Aluminum	308.215	0.0000000	0.0000000	-0.0004100	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	-0.0001100	-0.0000900	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	-0.0005800	0.0000000	0.0000000
Cadmium	228.802	0.0000000	0.0000000	0.0000900	0.0000000	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000200	0.0000000	0.0000000
Copper	324.754	0.0000000	0.0000000	-0.0000200	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0001200	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	-0.0000100	0.0000000	-0.0000100	-0.0000100	0.0000000
Nickel	231.604	0.0000000	0.0000000	-0.0000700	0.0000000	0.0000000
Phosphorus	214.9	-0.0002000	0.0000000	0.0004400	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0000600	0.0000000	-0.0000600	0.0000000	0.0000000
Silicon	228.158	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0001100	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0001900	-0.0000900	0.0000000
Tin	189.989	0.0000000	0.0000000	-0.0000400	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	-0.0000100	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-AES-02

Analyte	Wave-length (nm)	Interelement Correction Factors for: Co	Cr	Cu	Mn	Mo
Aluminum	308.215	-0.0052000	-0.0034300	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0002400	0.0080100	0.0000000	-0.0001500	-0.0184200
Arsenic	189.042	0.0000000	0.0004000	0.0000000	0.0000000	0.0005700
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000800
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	-0.0001000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	-0.0000500	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0006000
Copper	324.754	0.0000000	-0.0000500	0.0000000	0.0000000	0.0002700
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0003800	-0.0002100	0.0000000	0.0000000	-0.0016500
Magnesium	202.5	0.3183600	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	-0.0001200	0.0000000	0.0000000	-0.0000900	0.0000000
Nickel	231.604	0.0000700	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0010100	-0.0810500	0.0000000	0.0038000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0003600	-0.0003700	0.0000000	0.0000000	0.0000000
Silicon	228.158	0.0000000	0.0000000	0.0000000	-0.0026300	0.0090100
Silver	328.068	0.0000000	0.0000800	0.0000000	0.0000000	-0.0005600
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0073700	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	-0.0002500	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	-0.0000900	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	-0.0012600	0.0000000	0.0000000	-0.0001000

Comments:

Metals

- 11B -

ICP INTERELEMENT CORRECTION FACTORS

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-AES-02

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	P	Ti	V
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	-0.0014400
Beryllium	313.042	0.0000000	0.0000000	-0.0000200	0.0016600
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.802	-0.0000900	0.0000000	0.0000500	0.0000000
Calcium	211.2	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000200	0.0000000	0.0000000
Cobalt	228.616	0.0001300	0.0000000	0.0012500	0.0000000
Copper	324.754	0.0000000	0.0000000	0.0000000	-0.0008400
Iron	271.4	0.0000000	0.0000000	0.0000000	-0.0315100
Lead	220.353	0.0003800	0.0000000	-0.0006200	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	293.9	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.03	-0.0000500	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0000000	0.0000000	-0.0020400
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.026	-0.0007900	0.0000000	0.0000000	0.0004900
Silicon	228.158	0.0000000	0.0000000	0.0753200	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0007300	0.0000000
Sodium	588.995	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.552	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0015400	0.0000000
Tin	189.989	0.0000000	0.0000000	-0.0015800	0.0000000
Titanium	334.941	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.856	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

Metals
-12-
ICP LINEAR RANGES (QUARTERLY)

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-MS-02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic	15.000	900	6020
Cadmium	15.000	900	6020
Chromium	15.000	900	6020

Comments:

Metals
-12-
ICP LINEAR RANGES (QUARTERLY)

Client: Integral Consulting, Incorporate Service Request: K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

ICP ID Number: K-ICP-AES-02

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony	5.000	90000	6010B
Beryllium	5.000	9000	6010B
Copper	5.000	90000	6010B
Lead	5.000	90000	6010B
Nickel	5.000	90000	6010B
Selenium	5.000	45000	6010B
Silver	5.000	9000	6010B
Thallium	5.000	90000	6010B
Zinc	5.000	90000	6010B

Comments:

Metals
-13-
PREPARATION LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Method: ~~MS~~ CV 2mmA 11/30/10

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1012914-029	11/20/10	1.0	100.0
K1012914-030	11/20/10	1.0	100.0
K1012914-031	11/20/10	1.0	100.0
K1012914-MB	11/20/10	1.0	100.0
LCSW1	11/20/10	20.0	20.0
LCSW2	11/20/10	20.0	20.0

Metals
-13-
PREPARATION LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Method: P

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1012914-029	11/20/10	1.0	100.0
K1012914-030	11/20/10	1.0	100.0
K1012914-031	11/20/10	1.0	100.0
K1012914-MB	11/20/10	1.0	100.0
LCSW1	11/20/10	50.0	50.0
LCSW2	11/20/10	50.0	50.0

Metals
-13-
PREPARATION LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Method: MS

Sample ID	Preparation Date	Initial Volume	Final Volume (mL)
K1012914-029	11/20/10	1.0	100.0
K1012914-030	11/20/10	1.0	100.0
K1012914-031	11/20/10	1.0	100.0
K1012914-MB	11/20/10	1.0	100.0
LCSW1	11/20/10	50.0	50.0
LCSW2	11/20/10	50.0	50.0

Columbia Analytical Services

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-CVAA-02 **Method:** CV

Start Date: 11/29/10 **End Date:** 11/29/10

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CalibrationBlank	1	13:55																X									
Standard#1	1	13:56																X									
Standard#2	1	13:58																X									
Standard#3	1	14:00																X									
Standard#4	1	14:01																X									
Standard#5	1	14:03																X									
ICV1	1	14:05																X									
ICB1	1	14:06																X									
CRDL1	1	14:08																X									
CCV1	1	14:09																X									
CCB1	1	14:11																X									
K1012914-MB	4	14:13																X									
LCSW1	4	14:14																X									
LCSW2	4	14:16																X									
K1012914-029	4	14:17																X									
K1012914-029A	4	14:19																X									
K1012914-030	4	14:21																X									
K1012914-031	4	14:22																X									
ZZZZZZ	1	14:32																									
ZZZZZZ	1	14:34																									
ZZZZZZ	1	14:36																									
CCV2	1	14:37																X									
CCB2	1	14:39																X									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Columbia Analytical Services

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-ICP-AES-02 **Method:** P

Start Date: 11/23/10 **End Date:** 11/23/10

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Blank	1	09:57			X			X					X		X				X		X	X		X		X	
STDB	1	10:00						X																			
STDA	1	10:03			X								X		X				X		X	X		X		X	
ICV1	1	10:07			X			X					X		X				X		X	X		X		X	
ICVB1	1	10:10																									
ICVB1	1	10:13																									
ICB1	1	10:16			X			X					X		X				X			X				X	
CCV1	1	10:22						X																			
CCV1	1	10:27			X								X		X				X		X	X		X		X	
CCB1	1	10:32			X			X					X		X				X			X				X	
CRDL1	1	10:35			X			X					X		X				X			X				X	
ICS-A1	1	10:38			X			X					X		X				X			X				X	
ICS-AB1	1	10:41			X			X					X		X				X			X				X	
ZZZZZZ	1	10:44																									
CCV2	1	10:47						X																			
CCV2	1	10:50			X								X		X				X		X	X		X		X	
CCB2	1	10:53			X			X					X		X				X			X				X	
ZZZZZZ	2	10:56																									
ZZZZZZ	2	10:59																									
ZZZZZZ	2	11:02																									
ZZZZZZ	2	11:05																									
ZZZZZZ	2	11:08																									
ZZZZZZ	2	11:11																									
ZZZZZZ	5	11:14																									
ZZZZZZ	2	11:17																									
ZZZZZZ	2	11:20																									
ZZZZZZ	2	11:23																									
CCV3	1	11:26						X																			
CCV3	1	11:29			X								X		X				X		X	X		X		X	
CCB3	1	11:32			X			X					X		X				X			X				X	
ZZZZZZ	2	11:35																									
ZZZZZZ	2	11:38																									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-ICP-AES-02 **Method:** P

Start Date: 11/23/10 **End Date:** 11/23/10

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	2	11:41																									
ZZZZZZ	2	11:44																									
ZZZZZZ	1	11:47																									
K1012914-MB	1	11:50			X			X					X		X				X		X	X		X		X	
LCSW1	1	11:53			X			X					X		X				X		X	X		X		X	
LCSW2	1	11:56			X			X					X		X				X		X	X		X		X	
K1012914-029	1	11:59			X			X					X		X				X		X	X		X		X	
K1012914-029L	5	12:02			X			X					X		X				X		X	X		X		X	
CCV4	1	12:05						X																			
CCV4	1	12:08			X								X		X				X		X	X		X		X	
CCB4	1	12:11			X			X					X		X				X			X				X	
K1012914-029A	1	12:15			X			X					X		X				X		X	X		X		X	
K1012914-030	1	12:18			X			X					X		X				X		X	X		X		X	
K1012914-031	1	12:21			X			X					X		X				X		X	X		X		X	
ZZZZZZ	1	12:24																									
ZZZZZZ	1	12:27																									
ZZZZZZ	1	12:30																									
ZZZZZZ	1	12:33																									
ZZZZZZ	1	12:36																									
ZZZZZZ	1	12:39																									
ZZZZZZ	1	12:42																									
CCV5	1	12:45						X																			
CCV5	1	12:48			X								X		X				X		X	X		X		X	
CCB5	1	12:51			X			X					X		X				X			X				X	

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Columbia Analytical Services

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-ICP-MS-02 **Method:** MS

Start Date: 11/22/10 **End Date:** 11/22/10

Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
Cal. Blk	1	16:25				X			X		X																
Cal. Stn	1	16:27				X			X		X																
ICV1	1	16:30				X			X		X																
CCV1	1	16:32				X			X		X																
ICB1	1	16:35				X			X		X																
CCB1	1	16:38				X			X		X																
CRA	1	16:40				X			X		X																
ICS-A1	1	16:43				X			X		X																
ICS-AB1	1	16:45				X			X		X																
ZZZZZZ	5	16:48																									
ZZZZZZ	100	16:50																									
ZZZZZZ	5	16:53																									
ZZZZZZ	5	16:56																									
ZZZZZZ	25	16:58																									
ZZZZZZ	5	17:01																									
ZZZZZZ	25	17:03																									
ZZZZZZ	5	17:06																									
ZZZZZZ	5	17:09																									
ZZZZZZ	5	17:11																									
CCV2	1	17:14				X			X		X																
CCB2	1	17:16				X			X		X																
ZZZZZZ	5	17:19																									
ZZZZZZ	5	17:22																									
ZZZZZZ	5	17:24																									
ZZZZZZ	5	17:27																									
K1012914-MB	5	17:29				X			X		X																
LCSW1	25	17:32				X			X		X																
LCSW2	25	17:35				X			X		X																
K1012914-029	5	17:37				X			X		X																
K1012914-029L	25	17:40				X			X		X																
K1012914-029A	5	17:42				X			X		X																
CCV3	1	17:45				X			X		X																

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -
ANALYSIS RUN LOG

Client: Integral Consulting, Incorporate **Service Request:** K1012914

Project No.: 090557-01.01

Project Name: San Jacinto Waste Pits

Instrument ID Number: K-ICP-MS-02 **Method:** MS

Start Date: 11/22/10 **End Date:** 11/22/10

Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB3	1	17:48				X			X		X																
K1012914-030	5	17:50				X			X		X																
K1012914-031	5	17:53				X			X		X																
ZZZZZZ	1	17:55																									
ZZZZZZ	1	17:58																									
ZZZZZZ	1	18:01																									
ZZZZZZ	1	18:03																									
ZZZZZZ	5	18:06																									
ZZZZZZ	1	18:09																									
ZZZZZZ	1	18:11																									
CCV4	1	18:14				X			X		X																
CCB4	1	18:16				X			X		X																

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Columbia Analytical Services Contract: 090557-01.01

Lab Code: CAS Case No.: NRAS No.: SDG NO.: K1012914

ICP-MS Instrument ID: K-ICP-MS-02 Start Date: 11/22/2010 End Date: 11/22/2010

Sample No.	Client ID	Time	Internal Standards %RI For:											
			Element Sc_45	Q	Element Rh_103	Q	Element In_115	Q	Element	Q	Element	Q	Element	Q
Cal. Blk	Cal. Blk	1625	100		100		100							
Cal. Stn	Cal. Stn	1627	105		106		108							
ICV1	ICV1	1630	105		106		106							
CCV1	CCV1	1632	107		106		108							
ICB1	ICB1	1635	109		105		106							
CCB1	CCB1	1638	109		105		105							
CRA	SOIL CRA	1640	108		105		105							
ICS-A1	ICSA	1643	88		83		86							
ICS-AB1	ICSAB	1645	85		82		86							
ZZZZZZ	ZZZZZZ	1648												
ZZZZZZ	ZZZZZZ	1650												
ZZZZZZ	ZZZZZZ	1653												
ZZZZZZ	ZZZZZZ	1656												
ZZZZZZ	ZZZZZZ	1658												
ZZZZZZ	ZZZZZZ	1701												
ZZZZZZ	ZZZZZZ	1703												
ZZZZZZ	ZZZZZZ	1706												
ZZZZZZ	ZZZZZZ	1709												
ZZZZZZ	ZZZZZZ	1711												
CCV2	CCV2	1714	113		108		108							
CCB2	CCB2	1716	110		104		104							
ZZZZZZ	ZZZZZZ	1719												
ZZZZZZ	ZZZZZZ	1722												
ZZZZZZ	ZZZZZZ	1724												
ZZZZZZ	ZZZZZZ	1727												
K1012914-MB	Method Blank	1729	111		102		102							
LCSW1	LCSW K1012914	1732	106		104		105							
LCSW2	LCSW K1012914	1735	105		103		105							
K1012914-029	FW0001	1737	108		102		103							
K1012914-029L	FW0001L	1740	109		104		105							
K1012914-029A	FW0001A	1742	110		108		110							
CCV3	CCV3	1745	106		105		106							
CCB3	CCB3	1748	108		103		104							
K1012914-030	FW0002	1750	109		103		104							
K1012914-031	FW0003	1753	110		105		106							
ZZZZZZ	ZZZZZZ	1755												
ZZZZZZ	ZZZZZZ	1758												
ZZZZZZ	ZZZZZZ	1801												
ZZZZZZ	ZZZZZZ	1803												
ZZZZZZ	ZZZZZZ	1806												
ZZZZZZ	ZZZZZZ	1809												
ZZZZZZ	ZZZZZZ	1811												
CCV4	CCV4	1814	104		102		103							
CCB4	CCB4	1816	107		100		101							

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124188
Team: Metals
Analyst: Charles Depace

Prep Workflow: MetDigSICP
Prep Method: EPA 3050B,EPA CLP-METALS ILM05.3
Rush/NPDES: Both

Status: Prepped
Current Step: Digestion

Prep Date: 11/20/2010 14:00
Due Date: 11/26/2010

Lab Code	Client ID	Bottle #	Initial Amt	Initial Basis	Final Volume	Spike Amt	Spike ID	Comments
KQ1012796-01	Method Blank		g	Wet	100 mL			10% HNO3 10% HCl
KQ1012796-05	Lab Control Sample		1.00 g	Wet	100 mL			10% HNO3 10% HCl
K1012543-001	C-1	.02	1.48 g	Wet	100 mL			10% HNO3 10% HCl
K1012543-001: KQ1012796-03	Duplicate	.02	1.48 g	Wet	100 mL			10% HNO3 10% HCl
K1012543-001: KQ1012796-04	Matrix Spike	.02	1.50 g	Wet	100 mL	1 mL 2 mL 1 mL 1 mL	21052 22913 23177 23360	10% HNO3 10% HCl
K1012543-002	C-2	.02	1.43 g	Wet	100 mL			10% HNO3 10% HCl
K1012543-003	C-3	.02	1.43 g	Wet	100 mL			10% HNO3 10% HCl
K1012543-004	C-4	.02	1.59 g	Wet	100 mL			10% HNO3 10% HCl
K1012543-005	C-5	.02	1.68 g	Wet	100 mL			10% HNO3 10% HCl
K1012543-006	5-Z	.02	1.62 g	Wet	100 mL			10% HNO3 10% HCl
K1012543-007	6-Z	.02	1.85 g	Wet	100 mL			10% HNO3 10% HCl
K1012543-008	7-Z	.02	1.45 g	Wet	100 mL			10% HNO3 10% HCl
K1012873-001	4Q 2010 Wenatchee	.02	1.02 g	Wet	100 mL			10% HNO3 10% HCl
K1012914-001	SL0001	.03	1.01 g	Wet	100 mL			10% HNO3 10% HCl
K1012914-002	SL0002	.03	1.02 g	Wet	100 mL			10% HNO3 10% HCl
K1012914-009	SL0009	.03	1.00 g	Wet	100 mL			10% HNO3 10% HCl
K1012914-010	SL0010	.03	1.01 g	Wet	100 mL			10% HNO3 10% HCl
K1012914-016	SL0017	.03	1.01 g	Wet	100 mL			10% HNO3 10% HCl
K1012914-017	SL0018	.03	1.01 g	Wet	100 mL			10% HNO3 10% HCl
K1012914-018	SL0019	.03	1.00 g	Wet	100 mL			10% HNO3 10% HCl
K1012914-019	SL0020	.03	1.00 g	Wet	100 mL			10% HNO3 10% HCl

21 Total Samples consisting of 17 Client Samples, 2 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires	Name	Type	ID	Expires
K-MET SS1	Spike	22913	5/4/2011	K-MET SS4	Spike	23177	5/4/2011
K-MET SS3	Spike	21052	12/31/2010	K-MET SS5	Spike	23360	2/25/2011

Preparation Materials

Step	Name	ID	Step	Name	ID
Digestion	K-MET HNO3	15193	Digestion	K-MET H2O2	21675
Digestion	K-MET 100ml Centrifuge Tube	19603	Digestion	K-MET HCL	22349

Preparation Hardware / Equipment

Step	Name	Property	Value	
Digestion	K-Balance-02	Date Checked	11/20/10	

Step	Name	Property	Value	
Digestion	K-BlockDigester-07	Temperature	96	deg C

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	20-NOV-10 14:00	20-NOV-10 16:30	Charles Depace		N	

Comments

Initial Reflux: 15 min Secondary Reflux: 30 min HCl Reflux: 15 min

Review

Reviewed by: _____ Date: 11/22/10

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124190
Team: Metals
Analyst: Charles Depace
Prep Workflow: MetDigSMS
Prep Method: EPA 3050B
Rush/NPDES: RUSH
Status: Prepped
Current Step: Digestion
Prep Date: 11/20/2010 14:00
Due Date: 11/27/2010

Lab Code	Client ID	Bottle #	Initial Amt	Initial Basis	Final Volume	Spike Amt	Spike ID	Comments
KQ1012798-01	Method Blank		g	Wet	100 mL			10% HNO3
KQ1012798-05	Lab Control Sample		1.00 g	Wet	100 mL			10% HNO3
K1012914-001	SL0001	.03	1.02 g	Wet	100 mL			10% HNO3
K1012914-001: KQ1012798-03	Duplicate	.03	1.00 g	Wet	100 mL			10% HNO3
K1012914-001: KQ1012798-04	Matrix Spike	.03	1.02 g	Wet	100 mL	1 mL 2 mL 1 mL 1 mL	21052 22913 23177 23360	10% HNO3
K1012914-002	SL0002	.03	1.01 g	Wet	100 mL			10% HNO3
K1012914-009	SL0009	.03	1.01 g	Wet	100 mL			10% HNO3
K1012914-010	SL0010	.03	1.01 g	Wet	100 mL			10% HNO3
K1012914-016	SL0017	.03	1.00 g	Wet	100 mL			10% HNO3
K1012914-017	SL0018	.03	1.02 g	Wet	100 mL			10% HNO3
K1012914-018	SL0019	.03	1.00 g	Wet	100 mL			10% HNO3
K1012914-019	SL0020	.03	1.02 g	Wet	100 mL			10% HNO3

12 Total Samples consisting of 8 Client Samples, 2 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires	Name	Type	ID	Expires
K-MET SS1	Spike	22913	5/4/2011	K-MET SS4	Spike	23177	5/4/2011
K-MET SS3	Spike	21052	12/31/2010	K-MET SS5	Spike	23360	2/25/2011

Preparation Materials

Step	Name	ID	Step	Name	ID
Digestion	K-MET HNO3	15193	Digestion	K-MET H2O2	21675
Digestion	K-MET 100ml Centrifuge Tube	19603			

Preparation Hardware / Equipment

Step	Name	Property	Value		Step	Name	Property	Value	
Digestion	K-Balance-02	Date Checked	11/20/10		Digestion	K-BlockDigester-01	Temperature	96	deg C

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	20-NOV-10 14:00	20-NOV-10 16:30	Charles Depace		N	

Comments

Initial Reflux: 15 min Secondary Reflux: 30 min

Review

Reviewed by: _____ Date: 11/22/10

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124198/124199/124191
Team: Metals
Analyst: Charles Depace
Prep Workflow: MetDigSMS
Prep Method: EPA 3050B
Rush/NPDES: RUSH
Status: Prepped
Current Step: Digestion
Prep Date: 11/20/2010 14:00
Due Date: 11/27/2010

Lab Code	Client ID	Bottle #	Initial Amt	Initial Basis	Final Volume	Spike Amt	Spike ID	Comments
KQ1012806-01	Method Blank		g	Wet	100 mL			10% HNO3
KQ1012806-02	Lab Control Sample		g	Wet	100 mL	1 mL 2 mL 1 mL 1 mL	21052 22913 23177 23360	10% HNO3
KQ1012806-03	Lab Control Sample		g	Wet	100 mL	1 mL 2 mL 1 mL 1 mL	21052 22913 23177 23360	10% HNO3
KQ1012806-04	Lab Control Sample		g	Wet	100 mL	1 mL	22982	10% HNO3
KQ1012806-05	Lab Control Sample		g	Wet	100 mL	1 mL	22982	10% HNO3
K1012914-029	FW0001	.03	5.25 g	Wet	100 mL			10% HNO3
K1012914-030	FW0002	.03	5.73 g	Wet	100 mL			10% HNO3
K1012914-031	FW0003	.03	4.65 g	Wet	100 mL			10% HNO3

8 Total Samples consisting of 3 Client Samples, 0 Client QC Samples, 5 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires
K-MET Hg Source Standard 1000 ug/L	Spike	22982	12/1/2010
K-MET SS1	Spike	22913	5/4/2011
K-MET SS3	Spike	21052	12/31/2010
K-MET SS4	Spike	23177	5/4/2011
K-MET SS5	Spike	23360	2/25/2011

Preparation Materials

Step	Name	ID
Digestion	K-MET HNO3	15193
Digestion	K-MET 100ml Centrifuge Tube	19603
Digestion	K-MET H2O2	21675

Preparation Hardware / Equipment

Step	Name	Property	Value	
Digestion	K-Balance-02	Date Checked	11/20/10	
Digestion	K-BlockDigester-01	Temperature	96	deg C

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	20-NOV-10 14:00	20-NOV-10 16:30	Charles Depace		N	

Comments Note: This digest used for 6010/6020/7470 analyses.

Initial Reflux: 15 min Secondary Reflux: 30 min Initial Amount determined by weight of 1 sample wipe.

Review

Reviewed by: _____ Date: 11/22/10

11/22/10

CVAA Mercury Data Review Form

K-CVAA-01

Element: Hg

Analysis Lot #: 226148

Cal. STD/CCV Source: HG1-97-J

Service Request Numbers:

K1012543, K1012681, K1012914

	Yes	No	NA
1) Appropriate standardization completed	X		
2) ICV within 10% of true value	X		
3) CCVs in control	X		
4) CCBs and or ICBs below MRL	X		
5) All reported samples within calibration range	X		
6) Calculations correct	X		

Comments:

Data reviewed against service request(s) to ensure no samples were omitted: JLS (initials)

Primary Reviewed By: MAS Date: 11/20/10

Secondary Reviewed By: EMA Date: 11/23/10

COLUMBIA ANALYTICAL SERVICES, INC. PRINTOUT WITH:_____
ANALYTICAL WORKSHEET

Method: (Circle One) 7470A 7471A 245.1	Service Request # : K1012543, K1012681, K1012914
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	(µg/L) Measured	Sample Actual (mg/kg)	Sample Actual (µg/L)
1	ICV1	~	~	~	5.11		102%
2	ICB1	~	~	~	0.00		< 0.2
3	CRA1	~	~	~	0.23		115%
4	CCV1	~	~	~	5.05		101%
5	CCB1	~	~	~	0.01		< 0.2
6	K1012543-MB	0.536	50	~	0.01	0.001	
7	LCSS K1012543 1/10	0.266	50	10	4.26	8.008	118%
8	K1012543-001	0.533	50	~	0.72	0.068	
9	K1012543-001A		50	~	5.47		95%
10	K1012543-001D	0.534	50	~	0.71	0.066	
11	K1012543-001S	0.520	50	~	4.29	0.413	72%
12	K1012543-002	0.517	50	~	0.47	0.045	
13	K1012543-003	0.505	50	~	0.36	0.036	
14	K1012543-004	0.514	50	~	0.59	0.057	
15	K1012543-005	0.510	50	~	0.29	0.028	
16	CCV2	~	~	~	5.16		103%
17	CCB2	~	~	~	-0.01		< 0.2
18	K1012543-006	0.507	50	~	0.17	0.017	
19	K1012543-007	0.505	50	~	0.32	0.032	
20	K1012543-008	0.526	50	~	0.10	0.010	
21	K1012681-001	0.547	50	~	0.36	0.033	
22	K1012914-001	0.729	50	~	0.06	0.004	
23	K1012914-001D	0.714	50	~	0.06	0.004	
24	K1012914-001S	0.713	50	~	4.75	0.333	94%
25	K1012914-002	0.918	50	~	0.09	0.005	

Comments: Reporting Levels:

Soil/Tissue Spike Level:		K1012543-001S=0.481mg/kg, K1012914-001S=0.351mg/kg			
Post Spike Level:		x @ 5 µg/L			
Method	Spike Level	MRL	LCS Limit	MS Limit	RPD
7470A Water	1.0 µg/L	0.2 µg/L	83-117%	76-126%	20%
245.1 Water	1.0 µg/L	0.2 µg/L	85-115%	70-130%	20%
7470A TCLP	5.0 µg/L	1.0 µg/L	85-115%	75-125%	20%
7471A Soil LCSS	6.80 mg/kg	0.02 mg/kg	72-128%	60-135%	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130%	60-130%	30%

Analyst:	Date:	Page Number:
[illegible]	11/20/10	1

[Controlled - HgSoilRunForm 10-19-10] HG1.XLS

COLUMBIA ANALYTICAL SERVICES, INC.
ANALYTICAL WORKSHEET

PRINTOUT WITH:_____

Method: (Circle One) 7470A 7471A 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	(µg/L) Measured	Sample Actual (mg/kg)	Sample Actual (µg/L)
26	K1012914-009	0.705	50	~	0.13	0.009	
27	K1012914-010	0.790	50	~	0.08	0.005	
28	CCV3	~	~	~	5.14		103%
29	CCB3	~	~	~	0.00		< 0.2
30	K1012914-016	0.795	50	~	3.88	0.244	
31	K1012914-017	0.833	50	~	0.43	0.026	
32	K1012914-018	0.683	50	~	0.53	0.039	
33	K1012914-019	1.149	50	~	0.44	0.019	
34	K1012914-016L 1/5		50	~	0.84		8%
35	CCV4	~	~	~	5.00		100%
36	CCB4	~	~	~	-0.01		< 0.2
37							
38							
39							
40							
41							
42							
43				MS 11/20/10			
44							
45							
46							
47							
48							
49							
50							

Comments: Reporting Levels:

Soil/Tissue Spike Level:

Post Spike Level:

Method	Spike Level	MRL	LCS Limit	MS Limit	RPD
7470A Water	1.0 µg/L	0.2 µg/L	83-117%	76-126%	20%
245.1 Water	1.0 µg/L	0.2 µg/L	85-115%	70-130%	20%
7470A TCLP	5.0 µg/L	1.0 µg/L	85-115%	75-125%	20%
7471A Soil LCSS	6.80 mg/kg	0.02 mg/kg	72-128%	60-135%	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130%	60-130%	30%

Analyst:	Date:	Page Number:
[illegible]	11/20/10	2

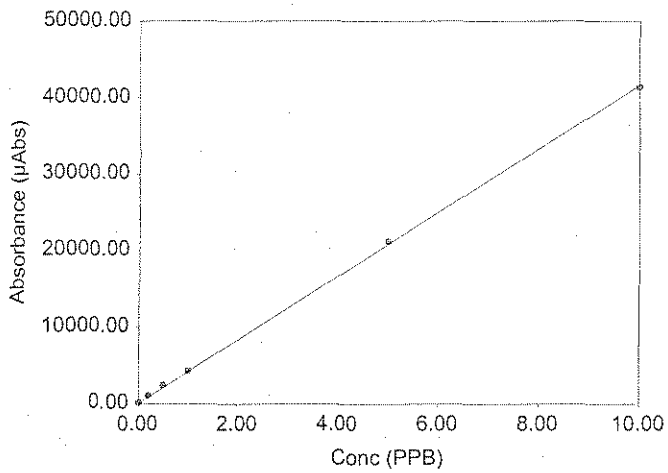
[Controlled - HgSoilRunForm 10-19-10] HG2.XLS

CETAC Hg Analysis Report - 10112005.DB - Saturday, November 20, 2010, 11:54:23 AM

Analyst	MSMITH
Date Started	Saturday, November 20, 2010, 10:31:56
Worksheet	Hg 112010A
Comment	K-CVAA-01

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	20-Nov-2010, 10:31	0.00	0.51	182.00	181	182	183	183	
Standard #1	20-Nov-2010, 10:33	0.20	0.90	1140.00	1121	1140	1144	1142	
Standard #2	20-Nov-2010, 10:35	0.50	0.31	2430.00	2418	2425	2433	2435	
Standard #3	20-Nov-2010, 10:37	1.00	0.53	4290.00	4262	4280	4297	4315	
Standard #4	20-Nov-2010, 10:39	5.00	0.17	21200.00	21222	21158	21163	21226	
Standard #5	20-Nov-2010, 10:40	10.00	1.26	41400.00	40757	41166	41600	41954	

Calibration Data



Int.	0.000
Slope	4160.139
Correlation	0.99983

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICV1	20-Nov-2010, 10:42	5.11	0.72	21300.00	21086	21232	21359	21439	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICB1	20-Nov-2010, 10:44	0.00	10.70	20.40	23	22	19	18	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CRA1	20-Nov-2010, 10:46	0.23	1.07	966.00	951	969	976	969	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV1	20-Nov-2010, 10:47	5.05	0.27	21000.00	21094	21010	20997	20961	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB1	20-Nov-2010, 10:49	0.01	15.50	31.40	26	28	34	37	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K1012543-MB	20-Nov-2010, 10:51	0.01	52.70	27.40	13	18	35	44	
LCSS K1012543 1/10	20-Nov-2010, 10:53	4.26	0.49	17700.00	17626	17684	17751	17829	
K1012543-001	20-Nov-2010, 10:56	0.72	2.11	3010.00	2980	3054	3076	2940	
K1012543-001A	20-Nov-2010, 10:58	5.47	1.46	22800.00	22322	22677	22939	23074	
K1012543-001D	20-Nov-2010, 11:00	0.71	0.93	2950.00	2916	2942	2973	2972	
K1012543-001S	20-Nov-2010, 11:02	4.29	0.35	17900.00	17775	17846	17915	17893	
K1012543-002	20-Nov-2010, 11:03	0.47	2.36	1950.00	1896	1941	1987	1996	
K1012543-003	20-Nov-2010, 11:05	0.36	0.15	1480.00	1476	1478	1478	1481	
K1012543-004	20-Nov-2010, 11:07	0.59	2.70	2450.00	2376	2427	2488	2527	
K1012543-005	20-Nov-2010, 11:09	0.29	1.63	1230.00	1203	1217	1237	1247	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV2	20-Nov-2010, 11:10	5.16	6.16	21500.00	19995	20761	22375	22796	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB2	20-Nov-2010, 11:12	-0.01	10.70	-33.90	-37	-37	-32	-30	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K1012543-006	20-Nov-2010, 11:14	0.17	1.53	701.00	687	699	711	708	
K1012543-007	20-Nov-2010, 11:16	0.32	2.65	1330.00	1282	1315	1350	1358	
K1012543-008	20-Nov-2010, 11:17	0.10	0.69	423.00	420	425	422	427	
K1012681-001	20-Nov-2010, 11:19	0.36	0.54	1510.00	1496	1511	1512	1513	

CETAC Hg Analysis Report - 10112005.DB - Saturday, November 20, 2010, 11:54:24 AM

Analyst	MSMITH
Date Started	Saturday, November 20, 2010, 11:21:34
Worksheet	Hg 112010A
Comment	K-CVAA-01

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K1012914-001	20-Nov-2010, 11:21	0.06	7.57	261.00	233	265	267	279	
K1012914-001D	20-Nov-2010, 11:23	0.06	7.57	256.00	227	262	266	268	
K1012914-001S	20-Nov-2010, 11:25	4.75	0.74	19800.00	19598	19701	19800	19940	
K1012914-002	20-Nov-2010, 11:26	0.09	0.85	389.00	392	391	388	385	
K1012914-009	20-Nov-2010, 11:28	0.13	1.85	550.00	537	548	555	561	
K1012914-010	20-Nov-2010, 11:30	0.08	1.84	335.00	327	337	342	336	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV3	20-Nov-2010, 11:32	5.14	0.81	21400.00	21157	21324	21474	21549	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB3	20-Nov-2010, 11:33	0.00	41.50	9.65	5	8	12	14	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K1012914-016	20-Nov-2010, 11:35	3.88	1.49	16200.00	16391	16290	16084	15849	
K1012914-017	20-Nov-2010, 11:37	0.43	0.86	1790.00	1811	1778	1782	1800	
K1012914-018	20-Nov-2010, 11:39	0.53	0.83	2200.00	2171	2209	2207	2205	
K1012914-019	20-Nov-2010, 11:41	0.44	2.04	1850.00	1797	1851	1875	1880	
K1012914-016L 1/5	20-Nov-2010, 11:44	0.84	0.34	3510.00	3496	3519	3520	3519	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV4	20-Nov-2010, 11:49	5.00	0.38	20800.00	20684	20865	20823	20756	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB4	20-Nov-2010, 11:51	-0.01	66.60	-55.80	-111	-39	-39	-35	

Analytical Services Preparation Information Benchsheet

Prep Run: 124085 **Prep Workflow**: HgDigS **Status**: Prepped **Prep Date**: 11/18/2010 15:50
Team: Metals **Prep Method**: Method **Current Step**: Digestion
Analyst: msmith **Rush/NPDES**: Both **Due Date**: 11/26/2010

Lab Code	Client ID	Bottle #	Initial Amt	Initial Basis	Final Volume	Spike Amt	Spike ID	Comments
KQ1012702-01	Method Blank		0.536 g	wet	50 mL			
KQ1012702-02	Lab Control Sample		0.266 g	wet	50 mL			
K1012543-001	C-1	.02	0.791 g	wet	50 mL			0.533 Dry weight
K1012543-001: KQ1012702-03	Duplicate	.02	0.792 g	wet	50 mL			0.534
K1012543-001: KQ1012702-04	Matrix Spike	.02	0.772 g	wet	50 mL	0.25 mL	22983	0.520
K1012543-002	C-2	.02	0.727 g	wet	50 mL			0.517
K1012543-003	C-3	.02	0.718 g	wet	50 mL			0.505
K1012543-004	C-4	.02	0.812 g	wet	50 mL			0.514
K1012543-005	C-5	.02	0.845 g	wet	50 mL			0.510
K1012543-006	5-Z	.02	0.823 g	wet	50 mL			0.507
K1012543-007	6-Z	.02	0.924 g	wet	50 mL			0.505
K1012543-008	7-Z	.02	0.753 g	wet	50 mL			0.526
K1012681-001	Newberg PCS	.01	1.216 g	wet	50 mL			0.547
K1012914-001	SL0001	.02	0.729 g	wet	50 mL			
K1012914-001: KQ1012702-05	Duplicate	.02	0.714 g	wet	50 mL			
K1012914-001: KQ1012702-06	Matrix Spike	.02	0.713 g	wet	50 mL	0.25 mL	22983	
K1012914-002	SL0002	.03	0.918 g	wet	50 mL			
K1012914-009	SL0009	.02	0.705 g	wet	50 mL			
K1012914-010	SL0010	.03	0.790 g	wet	50 mL			
K1012914-016	SL0017	.02	0.795 g	wet	50 mL			
K1012914-017	SL0018	.03	0.833 g	wet	50 mL			
K1012914-018	SL0019	.02	0.683 g	wet	50 mL			

K1012914-019	SL0020	.03	1.149 g	wet	50 mL			

23 Total Samples consisting of 17 Client Samples, 4 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires
K-MET Hg Source Soil/TCLP 1000 ug/L	Spike	22983	12/1/2010

Preparation Materials

Step	Name	ID
Digestion	K-MET HNO3	15193
Digestion	K-MET 100ml Centrifuge Tube	19603
Digestion	K-MET NACl Hg	20926
Digestion	K-MET NH2OH-HCl Hg	~~21157~~ 23832 MS 11/19/10

Step	Name	ID
Digestion	K-MET KMnO4 Hg	22447
Digestion	K-MET SnCl Hg	22550
Digestion	K-MET HCl Hg	23600

Preparation Hardware / Equipment

Step	Name	Property	Value	
Digestion	K-Balance-37	Date Calibrated	11/16/10	

Step	Name	Property	Value	
Digestion	K-BlockDigester-04	Temperature	95	deg C

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	18-NOV-10 15:50	18-NOV-10 16:20	msmith		N	

Comments

Cal STD/CCV Source: HG1-97-J

Review

Reviewed by: _____ Date: _____

Lab Code	Client ID	Bottle #	Target Amt	Initial Amt	Initial Basis	Final Volume	Spike Amt	Spike ID	Comments
KQ1012702-01	Method Blank		0.5 g	0.5360					
KQ1012702-02	Lab Control Sample		0.5 g	0.2666					
K1012543-001	C-1	.02	0.74 g	0.791					
K1012543-001: KQ1012702-03	Duplicate	.02	0.5 g	0.792					
K1012543-001: KQ1012702-04	Matrix Spike	.02	0.5 g	0.772			0.25 mL	22983	
K1012543-002	C-2	.02	0.70 g	0.727					
K1012543-003	C-3	.02	0.71 g	0.718					
K1012543-004	C-4	.02	0.79 g	0.812					
K1012543-005	C-5	.02	0.83 g	0.845					
K1012543-006	5-Z	.02	0.81 g	0.823					
K1012543-007	6-Z	.02	0.91 g	0.924					
K1012543-008	7-Z	.02	0.72 g	0.753					
K1012681-001	Newberg PCS	.01	1.11 g	1.216					
K1012914-001	SL0001	.02	0.5 g	0.729					
K1012914-001: KQ1012702-05	Duplicate	.02	0.5 g	0.714					
K1012914-001: KQ1012702-06	Matrix Spike	.02	0.5 g	0.713			0.25 mL	22983	
K1012914-002	SL0002	.03	0.5 g	0.918					
K1012914-009	SL0009	.02	0.5 g	0.705					
K1012914-010	SL0010	.03	0.5 g	0.770					
K1012914-016	SL0017	.02	0.5 g	0.775					
K1012914-017	SL0018	.03	0.5 g	0.833					
K1012914-018	SL0019	.02	0.5 g	0.683					
K1012914-019	SL0020	.03	0.5 g	1.149					

23 Total Samples consisting of 17 Client Samples, 4 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires
K-MET Hg Source Soil/TCLP 1000 ug/L	Spike	22983	12/1/2010

CVAA Mercury Data Review Form

K-CVAA-02

Element: Hg

Analysis Lot #: 227012

Cal. STD/CCV Source: HG1-97-N

Service Request Numbers:

K1012914 Wipes, K1012933 Fraction 3A
K1012613, K1012917

	Yes	No	NA
1) Appropriate standardization completed	X		
2) ICV within 10% of true value	X		
3) CCVs in control	X		
4) CCBs and or ICBs below MRL	X		
5) All reported samples within calibration range	X		
6) Calculations correct	X		

Comments:

Data reviewed against service request(s) to ensure no samples were omitted: MS (initials)

Primary Reviewed By: MAS Date: 11/29/10

Secondary Reviewed By: JDB Date: 11/30/10

COLUMBIA ANALYTICAL SERVICES, INC. PRINTOUT WITH:_____
ANALYTICAL WORKSHEET

Method: (Circle One) 7470A 7471A 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	Measured (µg/L)	Sample Actual (mg/kg)	Sample Actual (µg/L)
1	ICV1	~	~	~	5.40		108%
2	ICB1	~	~	~	0.00		< 0.2
3	CRA1	~	~	~	0.22		110%
4	CCV1	~	~	~	5.40		108%
5	CCB1	~	~	~	0.00		< 0.2
6	K1012914-MB	5	20	~	0.01		0.04
7	LCSW K1012914	5	20	~	2.50		100%
8	LCSW2 K1012914	5	20	~	2.30		92%
9	K1012914-029	5	20	~	0.02		0.08
10	K1012914-029A	5	20	~	5.50		110%
11	K1012914-030	5	20	~	0.00		0.00
12	K1012914-031	5	20	~	0.01		0.04
13	K1012613-MB	20	20	~	0.01		0.01
14	LCSW K1012613	20	20	~	5.70		114%
15	~~K1012613-004~~	~~20~~	~~20~~	~~-~~	~~1.10~~	MS 11/29/10	rerun w/ Dupe
16	CCV2	~	~	~	5.40		108%
17	CCB2	~	~	~	0.00		< 0.2
18	~~K1012613-004D~~	~~20~~	~~20~~	~~-~~	~~1.20~~	CCV	
19	~~K1012613-010~~	~~20~~	~~20~~	~~-~~	~~0.09~~	QC Failed	
20	~~K1012613-010D~~	~~20~~	~~20~~	~~-~~	~~0.10~~	MS 11/29/10	
21	~~K1012613-016~~	~~20~~	~~20~~	~~-~~	~~0.46~~	MS 11/29/10	
22	~~K1012613-016D~~	~~20~~	~~20~~	~~-~~	~~0.45~~		
23	~~K1012613-019~~	~~20~~	~~20~~	~~-~~	~~0.03~~		
24	~~K1012613-019D~~	~~20~~	~~20~~	~~-~~	~~0.10~~		
25	~~K1012917-005~~	~~20~~	~~20~~	~~-~~	~~0.01~~		

Comments: Reporting Levels:

Soil/Tissue Spike Level:

Post Spike Level: 1.0 ppb

Method	Spike Level	MRL	LCS Limit	MS Limit	RPD
7470A Water	1.0 µg/L	0.2 µg/L	83-117%	76-126%	20%
245.1 Water	1.0 µg/L	0.2 µg/L	85-115%	70-130%	20%
7470A TCLP	5.0 µg/L	1.0 µg/L	85-115%	75-125%	20%
7471A Soil LCSS	6.80 mg/kg	0.02 mg/kg	72-128%	60-130%	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130%	60-130%	30%

Analyst:	Date:	Page Number:
[illegible]	11/29/10	1

[Controlled - HgWaterRunForm 10-19-10] HG1.XLS

COLUMBIA ANALYTICAL SERVICES, INC. PRINTOUT WITH:_____
ANALYTICAL WORKSHEET

Method: (Circle One) 7470A 7471A 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	Measured (µg/L)	Sample Actual (mg/kg)	Sample Actual (µg/L)
26	~~K1012917-005A~~	~~20~~	~~20~~	~~-~~	~~5.70~~		
27	~~K1012917-005D~~	~~20~~	~~20~~	~~-~~	~~0.01~~	MS 11/29/10	
28	~~CCV3~~	~~-~~	~~-~~	~~-~~	~~5.70~~		
29	~~CCV3~~	~~-~~	~~-~~	~~-~~	~~5.60~~		
30	Calibration Blank	20	20	~	0.00		
31	Calibration Blank	20	20	~	0.00		
32	Standard #1	20	20	~	0.20		
33	Standard #2	20	20	~	0.50		
34	Standard #3	20	20	~	1.00		
35	Standard #4	20	20	~	5.00		
36	Standard #5	20	20	~	10.00		
37	ICV2	20	20	~	5.30		106%
38	ICB2	20	20	~	0.00		< 0.2
39	CRA2	20	20	~	0.21		105%
40	CCV1	~	~	~	5.00		100%
41	CCB1	~	~	~	0.00		< 0.2
42	K1012613-004D	20	20	~	1.00		1.00
43	K1012613-010	20	20	~	0.09		0.09
44	K1012613-010D	20	20	~	0.09		0.09
45	K1012613-016	20	20	~	0.40		0.40
46	K1012613-016D	20	20	~	0.40		0.40
47	K1012613-019	20	20	~	0.02		0.02
48	K1012613-019D	20	20	~	0.07		0.07
49	K1012917-005	20	20	~	0.00		0.00
50	K1012917-005A	20	20	~	4.90		98%

Comments: Reporting Levels:

Soil/Tissue Spike Level:

Post Spike Level:

Method	Spike Level	MRL	LCS Limit	MS Limit	RPD
7470A Water	1.0 µg/L	0.2 µg/L	83-117%	76-126%	20%
245.1 Water	1.0 µg/L	0.2 µg/L	85-115%	70-130%	20%
7470A TCLP	5.0 µg/L	1.0 µg/L	85-115%	75-125%	20%
7471A Soil LCSS	6.80 mg/kg	0.02 mg/kg	72-128%	60-130%	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130%	60-130%	30%

Analyst:	Date:	Page Number:
[illegible]	11/29/10	2

[Controlled - HgWaterRunForm 10-19-10] HG2.XLS

COLUMBIA ANALYTICAL SERVICES, INC. PRINTOUT WITH:_____
ANALYTICAL WORKSHEET

Method: (Circle One) 7470A 7471A 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	Measured (µg/L)	Sample Actual (mg/kg)	Sample Actual (µg/L)
51	K1012917-005D	20	20	~	0.00		0.00
52	CCV2	~	~	~	4.90		98%
53	CCB2	~	~	~	0.00		< 0.2
54	K1012917-005D	20	20	~	0.01		0.01
55	K1012917-012	20	20	~	0.00		0.00
56	K1012917-012D	20	20	~	0.00		0.00
57	K1012917-012S	20	20	~	5.00		100%
58	K1012917-019	20	20	~	0.00		0.00
59	K1012917-019D	20	20	~	0.00		0.00
60	K1012933-005	20	20	~	0.01		0.01
61	K1012933-005D	20	20	~	0.00		0.00
62	K1012933-012	20	20	~	0.00		0.00
63	K1012933-012D	20	20	~	0.00		0.00
64	CCV4	~	~	~	5.00		100%
65	CCB4	~	~	~	0.00		< 0.2
66	K1012933-019	20	20	~	0.00		0.00
67	K1012933-019D	20	20	~	0.00		0.00
68	K1012933-023	20	20	~	0.00		0.00
69	K1012933-023D	20	20	~	0.00		0.00
70	K1012613-004	20	20	~	0.99		0.99
71	CCV4	~	~	~	4.70		94%
72	CCB4	~	~	~	0.00		< 0.2
73							
74						MS 11/29/10	
75							

Comments: Reporting Levels:
Soil/Tissue Spike Level:
Post Spike Level:

Method	Spike Level	MRL	LCS Limit	MS Limit	RPD
7470A Water	1.0 µg/L	0.2 µg/L	83-117%	76-126%	20%
245.1 Water	1.0 µg/L	0.2 µg/L	85-115%	70-130%	20%
7470A TCLP	5.0 µg/L	1.0 µg/L	85-115%	75-125%	20%
7471A Soil LCSS	6.80 mg/kg	0.02 mg/kg	72-128%	60-130%	30%
7471A Tissue Tort	0.27 mg/kg	0.02 mg/kg	63-130%	60-130%	30%

Analyst:	Date:	Page Number:
[illegible]	11/29/10	3

[Controlled - HgWaterRunForm 10-19-10] HG3.XLS

Columbia Analytical Services K-CVAA-02

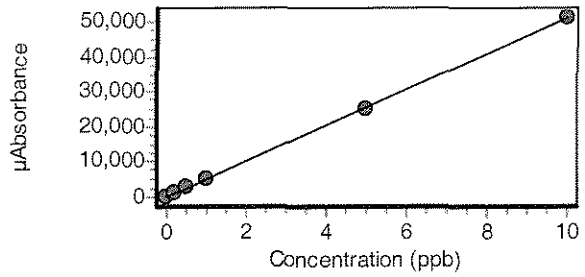
Report Generated By CETAC QuickTrace
Analyst: ACQMET18
Worksheet file: C:\Program Files\QuickTrace\Worksheets\Hg 112910A.wsz
Date Started: 11/29/2010 1:52:14 PM
Comment:

Results

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
Calibration Blank					STD	11/29/10 01:55:15 pm	0.00	7	296.72	
Replicates	19.4	-13.6	-8.2	31.9						
Standard #1					STD	11/29/10 01:56:51 pm	0.20	1086	1.76	
Replicates	1087.8	1111.9	1067.7	1076.6						
Standard #2					STD	11/29/10 01:58:28 pm	0.50	2593	1.20	
Replicates	2555.5	2610.8	2581.2	2625.4						
Standard #3					STD	11/29/10 02:00:05 pm	1.00	5378	0.46	
Replicates	5343.9	5380.0	5403.9	5383.3						
Standard #4					STD	11/29/10 02:01:43 pm	5.00	24899	0.20	
Replicates	24937.1	24938.5	24890.8	24831.2						
Standard #5					STD	11/29/10 02:03:22 pm	10.00	51233	0.03	
Replicates	51209.0	51247.2	51242.2	51234.9						

Calibration

Equation: A = 7.355 + 5096.198C
R2: 0.99973
SEE: 406.8873
Flags:



ICV1					ICV	11/29/10 02:05:01 pm	5.40	27469	0.20	
Replicates	27543.5	27468.4	27455.3	27410.4						
% Recovery	107.77									

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
ICB1					ICB	11/29/10 02:06:36 pm	0.00	21	92.55	
	Replicates	39.3	36.7	7.9	0.9					
CRA1					CRDL	11/29/10 02:08:12 pm	0.22	1115	2.36	
	Replicates	1112.4	1142.6	1080.6	1126.2					
	% Recovery	108.72								
CCV1					CCV	11/29/10 02:09:50 pm	5.40	27413	0.36	
	Replicates	27279.9	27407.6	27454.7	27510.6					
	% Recovery	107.55								
CCB1					CCB	11/29/10 02:11:26 pm	0.00	30	61.78	
	Replicates	7.0	48.2	23.3	41.0					
K1012914-MB					UNK	11/29/10 02:13:01 pm	0.01	55	39.95	
	Replicates	71.0	76.9	34.0	38.4					
LCSW K1012914					UNK	11/29/10 02:14:37 pm	2.50	12511	0.83	
	Replicates	12360.6	12530.8	12553.9	12599.1					
LCSW2 K1012914					UNK	11/29/10 02:16:13 pm	2.30	11765	1.36	
	Replicates	11573.4	11709.0	11829.6	11946.3					
K1012914-029					UNK	11/29/10 02:17:50 pm	0.02	92	25.00	
	Replicates	71.9	125.0	81.9	90.4					
K1012914-029A					UNK	11/29/10 02:19:27 pm	5.50	28159	0.86	
	Replicates	27890.4	28079.1	28194.7	28470.5					
K1012914-030					UNK	11/29/10 02:21:04 pm	0.00	25	36.63	
	Replicates	11.6	31.9	28.6	29.2					
K1012914-031					UNK	11/29/10 02:22:41 pm	0.01	61	32.44	
	Replicates	80.4	70.8	57.7	34.8					
K1012613-MB					UNK	11/29/10 02:32:46 pm	0.01	48	30.74	
	Replicates	53.0	28.0	63.2	48.6					

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
LCSW K1012613					UNK	11/29/10 02:34:24 pm	5.70	29225	0.38	
Replicates	29093.5	29176.1	29290.9	29338.8						
K1012613-004					UNK	11/29/10 02:36:02 pm	1.10	5783	0.24	
Replicates	5762.4	5787.2	5790.5	5793.2						
CCV2					CCV	11/29/10 02:37:40 pm	5.40	27527	0.16	
Replicates	27571.5	27530.9	27539.1	27468.4						
% Recovery	108.00									
CCB2					CCB	11/29/10 02:39:16 pm	0.00	28	65.26	
Replicates	26.5	54.2	15.4	15.7						
K1012613-004D					UNK	11/29/10 02:40:54 pm	1.20	5970	0.51	
Replicates	5927.5	5968.1	5996.1	5986.7						
K1012613-010					UNK	11/29/10 02:43:18 pm	0.09	480	4.90	
Replicates	458.5	512.8	469.0	479.3						
K1012613-010D					UNK	11/29/10 02:44:53 pm	0.10	532	5.63	
Replicates	501.9	520.6	572.7	531.7						
K1012613-016					UNK	11/29/10 02:46:28 pm	0.46	2354	1.48	
Replicates	2305.7	2354.6	2369.7	2386.5						
K1012613-016D					UNK	11/29/10 02:48:04 pm	0.45	2321	1.19	
Replicates	2284.6	2322.9	2325.8	2351.7						
K1012613-019					UNK	11/29/10 02:49:40 pm	0.03	172	20.08	
Replicates	174.6	140.3	219.0	153.2						
K1012613-019D					UNK	11/29/10 02:51:16 pm	0.10	507	10.49	
Replicates	495.0	533.6	437.6	559.9						
K1012917-005					UNK	11/29/10 02:52:53 pm	0.01	76	23.73	
Replicates	96.8	85.6	56.3	67.2						

MSid291.0

MS11291.0

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
K1012917-005A					UNK	11/29/10 02:54:30 pm	5.70	29153	0.48	
Replicates	28983.9	29113.6	29200.3	29312.3						
K1012917-005D					UNK	11/29/10 02:56:07 pm	0.01	50	52.56	
Replicates	64.1	77.8	20.6	35.8						
CCV3					CCV	11/29/10 02:57:45 pm	5.70	29048	1.22	Q
Replicates	29465.1	29178.5	28905.4	28642.0						
% Recovery	113.97									
CCV3					CCV	11/29/10 03:28:49 pm	5.60	28614	0.34	Q
Replicates	28714.0	28682.5	28539.5	28521.1						
% Recovery	112.27									
Calibration Blank					STD	11/29/10 03:35:23 pm	0.00	-3377	0.51	
Replicates	-3377.0	-3363.2	-3366.7	-3401.7						
Calibration Blank					STD	11/29/10 03:39:27 pm	0.00	45	68.58	
Replicates	13.6	71.3	23.1	70.8						
Standard #1					STD	11/29/10 03:41:03 pm	0.20	1233	2.22	
Replicates	1248.7	1193.4	1235.8	1253.8						
Standard #2					STD	11/29/10 03:42:40 pm	0.50	2991	0.54	
Replicates	3006.8	3003.7	2976.2	2978.1						
Standard #3					STD	11/29/10 03:44:17 pm	1.00	6135	1.54	
Replicates	6021.0	6093.1	6208.4	6215.9						
Standard #4					STD	11/29/10 03:45:55 pm	5.00	28697	0.11	
Replicates	28666.2	28687.4	28694.3	28741.0						

MS 11/29/10

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
Standard #5					STD	11/29/10 03:47:34 pm	10.00	60994	0.21	
Replicates	60813.7	61019.4	61014.3	61126.6						

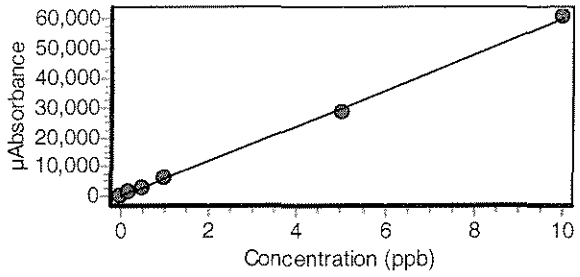
Calibration

Equation: A = 44.691 + 6022.262C

R2: 0.99897

SEE: 942.4213

Flags:



ICV2					ICV	11/29/10 03:50:12 pm	5.30	32201	0.18	
Replicates	32128.9	32200.7	32209.3	32266.9						
% Recovery	106.79									
ICB2					ICB	11/29/10 03:51:48 pm	0.00	57	31.79	
Replicates	68.2	75.7	37.5	46.0						
CRA2					CRDL	11/29/10 03:53:24 pm	0.21	1283	0.45	
Replicates	1276.9	1290.7	1280.4	1283.2						
% Recovery	102.79									
CCV1					CCV	11/29/10 03:55:02 pm	5.00	29857	0.27	
Replicates	29743.8	29858.0	29906.6	29919.7						
% Recovery	99.01									
CCB1					CCB	11/29/10 03:56:38 pm	0.00	61	48.95	
Replicates	93.0	80.1	41.2	30.7						
K1012613-004D					UNK	11/29/10 03:58:16 pm	1.00	6146	0.50	
Replicates	6107.2	6161.8	6136.6	6176.8						
K1012613-010					UNK	11/29/10 03:59:55 pm	0.09	556	7.04	
Replicates	564.9	514.1	605.8	539.5						
K1012613-010D					UNK	11/29/10 04:01:30 pm	0.09	560	4.18	
Replicates	536.3	583.0	577.5	544.3						
K1012613-016					UNK	11/29/10 04:03:05 pm	0.40	2478	1.49	
Replicates	2481.0	2428.4	2517.8	2483.7						

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
K1012613-016D					UNK	11/29/10 04:04:41 pm	0.40	2433	0.62	
Replicates	2419.6	2420.6	2448.7	2442.7						
K1012613-019					UNK	11/29/10 04:06:17 pm	0.02	151	6.94	
Replicates	140.9	144.1	162.6	157.8						
K1012613-019D					UNK	11/29/10 04:07:54 pm	0.07	493	4.54	
Replicates	515.6	483.1	507.6	466.9						
K1012917-005					UNK	11/29/10 04:09:30 pm	0.00	41	39.37	
Replicates	47.8	60.1	29.9	25.5						
K1012917-005A					UNK	11/29/10 04:11:07 pm	4.90	29356	0.15	
Replicates	29291.8	29368.8	29380.5	29384.2						
K1012917-005D					UNK	11/29/10 04:12:44 pm	0.00	44	25.03	
Replicates	45.5	27.8	48.6	52.6						
CCV2					CCV	11/29/10 04:14:22 pm	4.90	29264	0.84	
Replicates	29541.0	29358.0	29197.0	28959.2						
% Recovery	97.04									
CCB2					CCB	11/29/10 04:15:58 pm	0.00	60	19.93	
Replicates	45.9	72.8	65.2	54.3						
K1012917-005D					UNK	11/29/10 04:17:35 pm	0.01	78	18.48	
Replicates	61.9	96.8	75.0	77.8						
K1012917-012					UNK	11/29/10 04:19:13 pm	0.00	43	56.56	
Replicates	48.3	45.6	9.6	67.6						
K1012917-012D					UNK	11/29/10 04:20:51 pm	0.00	24	58.98	
Replicates	38.2	10.3	13.2	32.4						
K1012917-012S					UNK	11/29/10 04:22:30 pm	5.00	30118	0.13	
Replicates	30066.9	30155.0	30142.0	30109.6						

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
K1012917-019					UNK	11/29/10 04:24:05 pm	0.00	68	32.85	
Replicates	99.0	67.3	48.3	56.3						
K1012917-019D					UNK	11/29/10 04:25:41 pm	0.00	61	31.63	
Replicates	41.8	48.8	83.2	72.2						
K1012933-005					UNK	11/29/10 04:27:16 pm	0.01	78	13.34	
Replicates	87.4	80.9	80.8	63.2						
K1012933-005D					UNK	11/29/10 04:28:52 pm	0.00	20	188.45	
Replicates	69.7	-14.3	0.0	22.6						
K1012933-012					UNK	11/29/10 04:30:29 pm	0.00	66	40.33	
Replicates	52.4	92.7	84.9	36.0						
K1012933-012D					UNK	11/29/10 04:32:05 pm	0.00	62	36.02	
Replicates	66.6	37.1	54.8	90.6						
CCV4					CCV	11/29/10 04:33:43 pm	5.00	29993	0.26	
Replicates	29888.3	29984.9	30035.0	30064.3						
% Recovery	99.46									
CCB4					CCB	11/29/10 04:35:19 pm	0.00	53	46.16	
Replicates	38.0	28.3	62.6	82.1						
K1012933-019					UNK	11/29/10 04:36:56 pm	0.00	48	44.56	
Replicates	41.6	28.1	77.9	43.3						
K1012933-019D					UNK	11/29/10 04:38:33 pm	0.00	45	56.10	
Replicates	8.0	49.9	63.5	56.8						
K1012933-023					UNK	11/29/10 04:40:10 pm	0.00	26	67.40	
Replicates	46.5	12.8	10.1	33.9						
K1012933-023D					UNK	11/29/10 04:41:48 pm	0.00	33	52.80	
Replicates	14.2	50.4	46.1	22.8						

Sample Name					Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
K1012613-004					UNK	11/29/10 04:44:30 pm	0.99	5998	0.61	
	Replicates	5954.7	5983.7	6013.7	6038.6					
CCV4					CCV	11/29/10 04:46:08 pm	4.70	28641	0.65	
	Replicates	28827.0	28732.5	28612.3	28393.3					
	% Recovery	94.97								
CCB4					CCB	11/29/10 04:47:44 pm	0.00	46	53.76	
	Replicates	48.4	73.2	13.0	50.6					

Columbia Analytical Services

EPA METHOD 7470A

Service Request Number(s) :	K1012914
PREP RUN:	

Sample	Initial Volume	Final Volume	Sample	Initial Volume	Final Volume
MB	205	20			
LCSW					
LCSW2					
K1012914-029					
K1012914-030					
K1012914-031					
	MS 11/29/10				
Std. 0.2	0.1 *				50
Std. 0.5	0.25 *				50
Std. 1.0	0.5 *				50
Std. 5.0	2.5*				50
Std. 10.0	5.0 *				50
ICV	0.25 **				50

Start Time: 10:15 **Finish Time:** 12:15 **Waterbath Temp.:** 95° C **Balance#:** 1

Lot # of Reagents Used:		
HNO_3: J10038	**$K_2S_2O_8$: H02H06**	**NaCl : H50583**
H_2SO_4: 49160	**$KMnO_4$: J22608**	**NH_2OH-HCL: J07600**
HCL: 201020301	**$SnCl_2$: J24586**	**ERA CLP Soil: D065540**

*** Source Standard:** HG197-N **100 ppb** **Spike =** **ml * Source Standard**

****Source Standard: ICV** HG1-96-U **1000 ppb** **LCSW=** **ml ICV **Source Standard**

Comments:	
Analyst:	**Date:**
[signature]	11/29/10

[HGFORMnew.XLW] 7470

Columbia Analytical Services

EPA METHOD 7470A

Service Request Number(s) :	K1012613, K1012917, K1012933
PREP RUN: 124651	Fraction 3A

Sample	Initial Volume	Final Volume	Sample	Initial Volume	Final Volume
MB	20	20	K1012933-023D	20	20
LCSW					
K1012613-004					
K1012613-004D					
K1012613-010					
K1012613-010D					
K1012613-016					
K1012613-016D					
K1012613-019					
K1012613-019D					
K1012917-005					
K1012917-005D					
K1012917-005D				MS 11/29/10	
K1012917-005S 12					
K1012917-012					
K1012917-012D					
K1012917-019					
K1012917-019D					
K1012933-005					
K1012933-005D					
K1012933-012					
K1012933-012D					
K1012933-019					
K1012933-019D					
K1012933-023					
Std. 0.2	0.1 *				50
Std. 0.5	0.25 *				50
Std. 1.0	0.5 *				50
Std. 5.0	2.5*				50
Std. 10.0	5.0 *				50
ICV	0.25 **				50

Start Time: 8:00 **Finish Time:** 10:00 **Waterbath Temp.:** 95° C

Lot # of Reagents Used:		
HNO_3: J10038	**$K_2S_2O_8$: H02H06**	**NaCl : H50583**
H_2SO_4: 49160	**$KMnO_4$: J22608**	**NH_2OH-HCL: J07600**
HCL: 201020301	**$SnCl_2$: J24586**	**ERA CLP Soil: D065540**

*** Source Standard:** HG197.N **100 ppb** **Spike =** 0.1 **ml** HG196.V **1000 ppb**

****Source Standard: ICV** HG196.U **1000 ppb** **LCSW=** 0.1 **ml ICV **Source Standard**

Comments:	
Analyst:	**Date:**
[signature]	11/29/10

[HGFORMnew.XLW] 7470 M-29

Service Request # K1012914 (sediment/wipes)
Instrument ID# K-ICP-AES-02

ICP-OES Data Review Form

	Yes	No
1. Standardization completed	✓	
2. ICV within 10 % of true value	✓	
3. ICB below MRL	✓	
4. CRI standard analyzed.	✓	
5. ICS standards within 20% of true value	✓	
6. All preceding CCVs within 10 % of true value	✓	
7. Following CCV within 10 % of true value	✓	
8. Bracketing CCBs below MRL	✓	
9. Method Blank below MRL	✓	
10. MS-MSD or Dup-MS and LCS within CAS control limits	✓	
11. All analytes within instrument linear range	✓	
12. Adequate rinse out time allowed between samples to eliminate memory effect	✓	

Comments:
File Name: 112310AICP02
Star Lims: 226465
Don't report Si,Li by 200.7

Primary Review by SL Date 11/23/10

Secondary Review by [illegible] Date 11/23/10

ICP SPIKE FORM

Service Request # K10129114

Q.C. Sample # 29

Initials / Date: SL / 11/23/10

Circle type of sample: Water Aqueous SEM Other: wipe

Final volume 10mL

Solution Name	Element	mLs of 1000ppm Solution	Final Volume	Solution Conc. mg/L	Enter mls Added	
QCP-CICV-1	Ca, Mg, Na, K	no dilution	-	2500		
	Al, Ba	no dilution	-	1000		
MET1-85-M	Fe	no dilution	-	500		Expires:
	Co, Mn, Ni, V, Zn	no dilution	-	250	0.5	7/1/2011
	Cu, Ag	no dilution	-	125		
	Cr	no dilution	-	100		
	Be	no dilution	-	25		
QCP-CICV-2	Sb	no dilution	-	500		Expires:
MET1-87-g					0.5	8/1/2011
QCP-CICV-3	As, Pb, Se, Tl	no dilution	-	500	0.5	Expires:
MET1-87-F	Cd	no dilution	-	250		8/1/2011

Additional Spikes

Individual Stock Standards	mls of standard	ppm	Logbook #	Exp. Date

Method: 2010A Sample Name: Blank Operator:
Comment:
Run Time: 11/23/10 09:57 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335
Line	237.312 {141}	206.833 {162}	189.042 {177}	233.527 {144}
Avg	.1428	.0263	.0402	-.00026
Stddev	.0215	.0176	.0098	.00018
%RSD	15.09	66.98	24.37	67.998
#1	.1580	.0388	.0471	-.00038
#2	.1275	.0139	.0333	-.00013

Elem	Be3130	B_2497	Cd2265	Ca2112
Line	313.042 {107}	249.773 {134}	226.502 {148}	211.276 {159}
Avg	-.00290	.3867	.0005	.4546
Stddev	.00041	.0118	.0002	.0138
%RSD	14.101	3.052	45.24	3.029
#1	-.00261	.3783	.0003	.4449
#2	-.00319	.3950	.0006	.4643

Elem	Ca3179	Cr2677	Co2286	Cu3247
Line	317.933 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	-.1036	-.0005	.0006	-.0083
Stddev	.0176	.0002	.0002	.0274
%RSD	17.03	29.89	31.81	329.7
#1	-.1161	-.0004	.0004	-.0276
#2	-.0912	-.0007	.0007	.0110

Elem	Fe2599	Fe2714	Pb2203	Mg2025
Line	259.940 {129}	271.441 {124}	220.353 {152}	202.582 {166}
Avg	.0023	.0002	.0003	.0901
Stddev	.0009	.0001	.0001	.0176
%RSD	38.78	30.62	41.79	19.57
#1	.0029	.0002	.0003	.1026
#2	.0017	.0003	.0002	.0776

Elem	Mg2795	Mn2576	Mn2939	Mo2020
Line	279.553 {120}	257.610 {131}	293.930 {114}	202.030 {166}
Avg	.00277	.00185	-.0004	.0003
Stddev	.01954	.00038	.0004	.0001
%RSD	705.69	20.504	104.2	23.34
#1	.01659	.00211	-.0001	.0003
#2	-.01105	.00158	-.0006	.0004

Elem	Ni2316	K_7664	Se1960	Ag3280
Line	231.604 {145}	766.490 { 44}	196.090 {171}	328.068 {102}
Avg	-.0004	1.117	-.0055	-.0083
Stddev	.0003	.081	.0078	.0274
%RSD	61.17	7.292	141.4	329.7
#1	-.0002	1.059	.0000	-.0276
#2	-.0006	1.174	-.0111	.0110

Sample Name: Blank Run Time: 11/23/10 09:57

Elem	Na5895	Sn1899	V_3102	Zn2062
Line	589.592 { 57}	189.989 {176}	310.230 {108}	206.200 {163}
Avg	.0038	.0007	.0080	.0011
Stddev	.0004	.0001	.0001	.0000
%RSD	10.88	8.077	1.070	3.876
#1	.0041	.0007	.0079	.0011
#2	.0036	.0006	.0081	.0011

Elem	P_2149	Si2516	Ti3234	Tl1908
Line	214.914 {156}	251.612 {134}	323.452 {104}	190.864 {176}
Avg	.0021	.1968	.00460	.0002
Stddev	.0010	.0353	.00006	.0000
%RSD	47.14	17.92	1.2314	.1219
#1	.0028	.2217	.00456	.0002
#2	.0014	.1719	.00464	.0002

Elem	Li6707	Sr4077
Line	670.784 { 50}	407.771 { 82}
Avg	.10227	.00358
Stddev	.06650	.00050
%RSD	65.027	14.081
#1	.14929	.00322
#2	.05524	.00393

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	144.06
Stddev	.16
%RSD	.11143
#1	144.17
#2	143.94

11/23/10
11/23/10

Method: 2010A Sample Name: STDB ICP8-22-A Operator:
Comment:
Run Time: 11/23/10 10:00 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al2373	Ba2335	Be3130	Ca2112
Line	237.312 {141}	233.527 {144}	313.042 {107}	211.276 {159}
Avg	15.28	3.1129	.46209	31.80
Stddev	.05	.0140	.00073	.15
%RSD	.3585	.44994	.15742	.4720
#1	15.32	3.1030	.46158	31.69
#2	15.25	3.1228	.46261	31.90

Elem	Fe2714	Mg2025	Mn2939	K_7664
Line	271.441 {124}	202.582 {166}	293.930 {114}	766.490 { 44}
Avg	.8663	43.21	.7023	163.0
Stddev	.0012	.17	.0008	.5
%RSD	.1425	.4042	.1203	.3248
#1	.8654	43.09	.7017	162.7
#2	.8671	43.33	.7029	163.4

Elem	Na5895	P_2149	Si2516	Li6707
Line	589.592 { 57}	214.914 {156}	251.612 {134}	670.784 { 50}
Avg	4.418	36.76	73.84	273.58
Stddev	.002	.19	.14	.66
%RSD	.0409	.5256	.1836	.24052
#1	4.416	36.62	73.75	274.04
#2	4.419	36.90	73.94	273.11

Elem	Sr4077
Line	407.771 { 82}
Avg	9.0903
Stddev	.0279
%RSD	.30694
#1	9.0706
#2	9.1100

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	144.27
Stddev	.03
%RSD	.02185
#1	144.24
#2	144.29

Method: 2010A Sample Name: STDA ICP8-17-C Operator:
Comment:
Run Time: 11/23/10 10:03 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Sb2068	As1890	B_2497	Cd2265
Line	206.833 {162}	189.042 {177}	249.773 {134}	226.502 {148}
Avg	12.52	9.027	36.88	.3129
Stddev	.08	.010	.07	.0003
%RSD	.6357	.1065	.1999	.0812
#1	12.47	9.034	36.83	.3127
#2	12.58	9.020	36.93	.3131

Elem	Ca3179	Cr2677	Co2286	Cu3247
Line	317.933 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	28.23	.1277	.1960	14.75
Stddev	.21	.0003	.0005	.07
%RSD	.7462	.2432	.2446	.4886
#1	28.08	.1280	.1963	14.70
#2	28.38	.1275	.1956	14.81

Elem	Fe2599	Pb2203	Mg2795	Mn2576
Line	259.940 {129}	220.353 {152}	279.553 {120}	257.610 {131}
Avg	.4268	.0930	1140.3	3.2085
Stddev	.0047	.0003	4.6	.0048
%RSD	1.094	.3057	.40219	.14912
#1	.4301	.0928	1137.1	3.2051
#2	.4235	.0932	1143.5	3.2119

Elem	Mo2020	Ni2316	Se1960	Ag3280
Line	202.030 {166}	231.604 {145}	196.090 {171}	328.068 {102}
Avg	.1537	.1806	7.788	14.77
Stddev	.0010	.0001	.044	.00
%RSD	.6776	.0666	.5598	.0248
#1	.1530	.1805	7.757	14.76
#2	.1544	.1807	7.819	14.77

Elem	Sn1899	V_3102	Zn2062	Ti3234
Line	189.989 {176}	310.230 {108}	206.200 {163}	323.452 {104}
Avg	.0869	.1587	.1685	.18552
Stddev	.0004	.0001	.0004	.00123
%RSD	.4662	.0927	.2496	.66563
#1	.0872	.1589	.1688	.18465
#2	.0866	.1586	.1682	.18640

Elem	Tl1908
Line	190.864 {176}
Avg	.0791
Stddev	.0003
%RSD	.4011
#1	.0789
#2	.0794

Sample Name: STDA Run Time: 11/23/10 10:03

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	148.58
Stddev	.65
%RSD	.43908
#1	148.12
#2	149.05

Method: 2010A Sample Name: ICV1 ICP8-M-B Operator:
Comment:
Run Time: 11/23/10 10:07 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.188	2.520	2.562	5.0878	.13067	.0033
Stddev	.003	.021	.005	.0210	.00002	.0001
%RSD	.0545	.8489	.1960	.41373	.01407	2.401
#1	5.186	2.505	2.559	5.1027	.13068	.0033
#2	5.190	2.536	2.566	5.0729	.13066	.0034
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	5.000	2.500	2.500	5.0000	.12500	
Range	5.000%	5.000%	5.000%	5.0000%	5.0000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.256	12.89	.5166	1.285	.6361	2.535
Stddev	.002	.05	.0009	.001	.0025	.002
%RSD	.1780	.4169	.1737	.1077	.4001	.0716
#1	1.258	12.85	.5172	1.284	.6379	2.534
#2	1.254	12.93	.5159	1.286	.6343	2.537
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.250	12.50	.5000	1.250	.6250	2.500
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.544	12.76	1.2565	2.038	1.268	13.00
Stddev	.004	.06	.0034	.013	.001	.00
%RSD	.1589	.4998	.27343	.6125	.0478	.0364
#1	2.541	12.71	1.2541	2.029	1.267	13.00
#2	2.547	12.80	1.2589	2.046	1.268	13.00
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	2.500	12.50	1.2500	2.000	1.250	12.50
Range	5.000%	5.000%	5.0000%	5.000%	5.000%	5.000%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.589	.6405	12.25	.0152	1.267	1.269
Stddev	.011	.0087	.05	.0003	.012	.007
%RSD	.4416	1.360	.4358	1.739	.9295	.5805
#1	2.581	.6344	12.29	.0150	1.275	1.264
#2	2.597	.6467	12.21	.0154	1.258	1.275
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass
Value	2.500	.6250	12.50		1.250	1.250
Range	5.000%	5.000%	5.000%		5.000%	5.000%

Sample Name: ICV1 Run Time: 11/23/10 10:07

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0149	-.1403	1.9920	2.513	.00098	.00347
Stddev	.0051	.0003	.0120	.055	.00116	.00004
%RSD	34.09	.2344	.59978	2.188	118.08	1.2744
#1	.0185	-.1405	1.9835	2.475	.00016	.00350
#2	.0113	-.1400	2.0004	2.552	.00180	.00343
Check ?	None	None	QC Pass	QC Pass	None	None
Value			2.0000	2.500		
Range			5.0000%	5.000%		

Int. Std.	Sc3572
Units	Cts/S
Avg	148.24
Stddev	.41
%RSD	.27967
#1	147.95
#2	148.53

Method: 2010A Sample Name: ICVB1 ICP8-16-E Operator:
Comment:
Run Time: 11/23/10 10:10 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.003	.0187	.0000	.00654	.00025	2.030
Stddev	.007	.0141	.0055	.00080	.00006	.003
%RSD	.7425	75.44	13440.	12.222	24.711	.1676
#1	.9976	.0287	-.0038	.00710	.00021	2.027
#2	1.008	.0087	.0039	.00597	.00030	2.032
Check ?	None	None	None	None	None	QC Pass
Value						2.000
Range						5.000%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	4.957	.0065	.0003	.0016	10.32
Stddev	.0004	.000	.0018	.0010	.0007	.01
%RSD	14.70	.0024	27.20	286.5	41.09	.1236
#1	.0027	4.957	.0078	.0010	.0011	10.31
#2	.0022	4.957	.0053	-.0003	.0021	10.33
Check ?	None	QC Pass	None	None	None	QC Pass
Value		5.000				10.00
Range		5.000%				5.000%

Elem	Pb2203	Mg2795	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	5.0588	10.30	.0082	.0016	.0692
Stddev	.0051	.0096	.02	.0060	.0001	.0147
%RSD	181.6	.19039	.1662	73.17	8.985	21.28
#1	.0064	5.0520	10.29	.0124	.0017	.0588
#2	-.0008	5.0656	10.31	.0039	.0015	.0796
Check ?	None	QC Pass	QC Pass	None	None	None
Value		5.0000	10.00			
Range		5.0000%	5.000%			

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	.0032	.0587	5.192	-.0005	.0051
Stddev	.0101	.0042	.0011	.034	.0031	.0001
%RSD	920.1	133.1	1.791	.6563	667.7	2.287
#1	.0060	.0062	.0595	5.167	.0017	.0052
#2	-.0082	.0002	.0580	5.216	-.0027	.0051
Check ?	None	None	None	QC Pass	None	None
Value				5.000		
Range				5.000%		

Sample Name: ICVB1 Run Time: 11/23/10 10:10

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.038	Q 5.269	.00497	.0303	Q 2.1404	2.0695
Stddev	.043	.016	.00140	.0135	.0031	.0003
%RSD	.8507	.3034	28.125	44.65	.14334	.01577
#1	5.008	5.258	.00596	.0399	2.1426	2.0697
#2	5.069	5.281	.00398	.0208	2.1383	2.0693
Check ?	QC Pass	QC Fail	None	None	QC Fail	QC Pass
Value	5.000	5.000			2.0000	2.0000
Range	5.000%	5.000%			5.0000%	5.0000%

Int. Std.	Sc3572
Units	Cts/S
Avg	148.21
Stddev	.41
%RSD	.27989
#1	147.92
#2	148.50

Method: 2010A Sample Name: ICVB1 Operator:
Comment:
Run Time: 11/23/10 10:13 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.014	.0131	-.0061	.00601	.00027	2.033
Stddev	.013	.0109	.0131	.00049	.00008	.000
%RSD	1.278	83.14	214.1	8.1982	30.372	.0181
#1	1.005	.0054	-.0154	.00636	.00033	2.033
#2	1.023	.0209	.0031	.00566	.00021	2.033
Check ?	None	None	None	None	None	QC Pass
Value						2.000
Range						5.000%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	4.971	.0053	.0010	.0005	10.48
Stddev	.0012	.009	.0016	.0006	.0020	.03
%RSD	54.68	.1718	30.26	61.70	404.5	.2499
#1	.0013	4.965	.0042	.0015	.0019	10.50
#2	.0030	4.977	.0065	.0006	-.0009	10.46
Check ?	None	QC Pass	None	None	None	QC Pass
Value		5.000				10.00
Range		5.000%				5.000%

Elem	Pb2203	Mg2795	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	5.0510	10.43	.0028	.0024	.0519
Stddev	.0022	.0003	.01	.0015	.0011	.0048
%RSD	381.3	.00670	.0531	53.17	47.56	9.305
#1	-.0021	5.0512	10.42	.0017	.0016	.0554
#2	.0010	5.0507	10.43	.0038	.0032	.0485
Check ?	None	QC Pass	QC Pass	None	None	None
Value		5.0000	10.00			
Range		5.0000%	5.000%			

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0114	.0052	.0570	Q 5.308	.0006	.0055
Stddev	.0151	.0061	.0013	.003	.0015	.0001
%RSD	132.8	116.2	2.218	.0633	252.5	1.794
#1	.0007	.0009	.0561	5.310	-.0005	.0056
#2	.0220	.0095	.0579	5.306	.0017	.0054
Check ?	None	None	None	QC Fail	None	None
Value				5.000		
Range				5.000%		

3C 11/23/10

Sample Name: ICVB1 Run Time: 11/23/10 10:13

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.041	Q 5.282	.00377	.0238	Q 2.1294	2.0823
Stddev	.032	.015	.00069	.0001	.0032	.0036
%RSD	.6357	.2930	18.295	.2924	.14872	.17380
#1	5.063	5.271	.00328	.0239	2.1316	2.0848
#2	5.018	5.293	.00425	.0238	2.1271	2.0797
Check ?	QC Pass	QC Fail	None	None	QC Fail	QC Pass
Value	5.000	5.000			2.0000	2.0000
Range	5.000%	5.000%			5.0000%	5.0000%

Int. Std.	Sc3572
Units	Cts/S
Avg	145.93
Stddev	.25
%RSD	.17384
#1	145.75
#2	146.11

JC
11/23/10

Method: 2010A Sample Name: ICB Operator:
Comment:
Run Time: 11/23/10 10:16 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0265	-.0022	-.0069	.00005	-.00007
Stddev	.0026	.0070	.0033	.00052	.00004
%RSD	9.764	315.5	47.14	976.52	57.647
#1	-.0284	-.0072	-.0093	.00042	-.00004
#2	-.0247	.0027	-.0046	-.00031	-.00010
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0500	±.0500	±.1000	±.00500	±.00500

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0022	-.0004	-.0017	.0013	-.0010
Stddev	.0006	.0003	.0014	.0004	.0005
%RSD	28.58	87.60	80.90	33.55	47.38
#1	.0027	-.0002	-.0007	.0016	-.0014
#2	.0018	-.0006	-.0027	.0010	-.0007
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0500	±.0050	±.0500	±.0050	±.0100

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0015	.0031	.0011	.00019	.00110
Stddev	.0026	.0047	.0051	.00003	.00100
%RSD	176.7	148.9	477.8	14.159	90.181
#1	-.0034	.0065	.0047	.00021	.00181
#2	.0004	-.0002	-.0026	.00017	.00040
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0100	±.0200	±.0500	±.02000	±.00500

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0001	-.0140	.0044	.0021
Stddev	.0003	.0010	.0150	.0163	.0005
%RSD	43.04	793.9	107.5	367.7	25.69
#1	-.0008	-.0006	-.0246	.0160	.0024
#2	-.0004	.0008	-.0033	-.0071	.0017
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0100	±.0200	±.4000	±.1000	±.0100

Sample Name: ICB Run Time: 11/23/10 10:16

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0078	.0015	.0002	.0011	.0131
Stddev	.0030	.0020	.0031	.0013	.0055
%RSD	38.18	131.1	1926.	117.3	42.41
#1	-.0057	.0001	.0023	.0020	.0091
#2	-.0098	.0029	-.0020	.0002	.0170
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.2000	±.0500	±.0100	±.0100	±.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0027	.00103	.0086	-.00048	.00013
Stddev	.0016	.00015	.0156	.00004	.00002
%RSD	59.29	14.449	180.6	7.4370	13.973
#1	-.0038	.00114	.0196	-.00051	.00014
#2	-.0016	.00093	-.0024	-.00045	.00012
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.01000	±.2000	±.01000	±.01000

Int. Std.	Sc3572
Units	Cts/S
Avg	143.67
Stddev	.03
%RSD	.02205
#1	143.64
#2	143.69

Method: 2010A Sample Name: CCVB Operator:
Comment:
Run Time: 11/23/10 10:22 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.974	.0087	-.0130	2.4724	.04976	.0047
Stddev	.076	.0064	.0056	.0259	.00044	.0008
%RSD	1.538	73.40	42.87	1.0461	.87765	17.25
#1	4.898	.0034	-.0113	2.4595	.04940	.0042
#2	4.995	.0056	-.0174	2.4471	.04938	.0059
#3	4.933	.0078	-.0058	2.4763	.05001	.0043
#4	5.072	.0178	-.0173	2.5068	.05025	.0043
Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	5.000%			5.0000%	5.0000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	25.06	.0035	-.0016	-.0036	24.86
Stddev	.0003	.30	.0018	.0003	.0024	.28
%RSD	18.04	1.206	52.08	20.43	67.55	1.133
#1	.0017	24.70	.0044	-.0012	-.0068	24.59
#2	.0015	25.00	.0055	-.0017	-.0010	24.74
#3	.0018	25.12	.0029	-.0020	-.0034	24.88
#4	.0012	25.43	.0013	-.0018	-.0031	25.25
Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		5.000%				5.000%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	24.98	4.962	-.0022	-.0030	10.16
Stddev	.0100	.17	.036	.0014	.0008	.08
%RSD	1402.	.6898	.7304	64.38	28.17	.8220
#1	.0004	24.85	4.935	-.0041	-.0020	10.05
#2	-.0144	25.05	4.928	-.0012	-.0025	10.14
#3	.0096	24.84	4.980	-.0026	-.0034	10.24
#4	.0015	25.20	5.003	-.0010	-.0039	10.21
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		5.000%	5.000%			5.000%

Sample Name: CCVB Run Time: 11/23/10 10:22

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0040	.0023	9.798	-.0045	.0000	.0020
Stddev	.0064	.0012	.064	.0025	.0007	.0005
%RSD	160.6	53.02	.6555	56.80	4066.	27.57
#1	-.0053	.0039	9.778	-.0028	-.0006	.0018
#2	-.0089	.0009	9.726	-.0053	.0010	.0015
#3	-.0071	.0021	9.880	-.0077	-.0005	.0019
#4	.0054	.0024	9.806	-.0021	.0001	.0028
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			5.000%			

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.987	2.510	.00340	.0181	.50312	.50422
Stddev	.080	.018	.00255	.0168	.00195	.00484
%RSD	.7966	.7243	74.809	92.82	.38687	.95916
#1	9.903	2.492	.00399	.0019	.50260	.50058
#2	10.01	2.519	-.00010	.0209	.50243	.49985
#3	9.948	2.498	.00599	.0405	.50594	.50654
#4	10.09	2.531	.00374	.0093	.50149	.50991
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	5.000%	5.000%			5.0000%	5.0000%

Int. Std.	Sc3572
Units	Cts/S
Avg	146.08
Stddev	.71
%RSD	.48409
#1	145.85
#2	147.13
#3	145.81
#4	145.55

Method: 2010A Sample Name: CCVA Operator:
Comment:
Run Time: 11/23/10 10:27 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4770	2.472	2.393	.45506	.56948	.5034
Stddev	.0186	.024	.015	.00191	.00113	.0035
%RSD	3.894	.9732	.6426	.42062	.19826	.6966
#1	.4632	2.450	2.396	.45322	.56828	.4982
#2	.4651	2.496	2.398	.45416	.56897	.5060
#3	.4762	2.491	2.408	.45766	.56976	.5047
#4	.5035	2.453	2.372	.45521	.57091	.5047
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		5.000%	5.000%			5.000%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4946	2.437	.4992	.5016	.4943	.5046
Stddev	.0023	.024	.0041	.0026	.0031	.0017
%RSD	.4700	.9990	.8162	.5269	.6274	.3329
#1	.4912	2.417	.4976	.4984	.4972	.5038
#2	.4962	2.472	.4975	.5013	.4944	.5060
#3	.4949	2.435	.4965	.5018	.4956	.5026
#4	.4959	2.424	.5053	.5049	.4900	.5059
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.523	1.9781	.99220	.9964	.5049	5.188
Stddev	.028	.0053	.00823	.0093	.0033	.030
%RSD	1.094	.26639	.82980	.9331	.6536	.5852
#1	2.489	1.9706	.98146	.9843	.5001	5.206
#2	2.512	1.9784	.99944	.9942	.5068	5.159
#3	2.550	1.9825	.99778	1.005	.5054	5.166
#4	2.539	1.9810	.99011	1.002	.5072	5.221
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	5.000%	5.0000%	5.0000%	5.000%	5.000%	

Sample Name: CCVA Run Time: 11/23/10 10:27

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.481	.5034	.4676	2.508	.5069	.4933
Stddev	.023	.0041	.0053	.032	.0040	.0033
%RSD	.9416	.8220	1.142	1.268	.7974	.6590
#1	2.453	.4979	.4686	2.474	.5026	.4902
#2	2.483	.5031	.4726	2.519	.5086	.4912
#3	2.476	.5077	.4693	2.492	.5047	.4974
#4	2.510	.5051	.4601	2.547	.5117	.4943
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	5.000%	5.000%		5.000%	5.000%	5.000%

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0067	.5703	.49009	4.898	.52134	.51645
Stddev	.0053	.0028	.00183	.026	.00231	.00224
%RSD	78.85	.4894	.37263	.5226	.44297	.43371
#1	-.0140	.5738	.48997	4.875	.52420	.51374
#2	-.0014	.5672	.48898	4.935	.51875	.51635
#3	-.0051	.5694	.48870	4.896	.52048	.51651
#4	-.0063	.5708	.49270	4.889	.52193	.51922
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			5.0000%	5.000%		

Int. Std.	Sc3572
Units	Cts/S
Avg	148.08
Stddev	.28
%RSD	.18941
#1	148.12
#2	147.99
#3	148.44
#4	147.77

Method: 2010A Sample Name: CCB Operator:
Comment:
Run Time: 11/23/10 10:32 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082	.0105	-.0054	.00049	.00007	.0004
Stddev	.0052	.0109	.0033	.00003	.00009	.0006
%RSD	62.82	103.7	60.63	5.8360	138.13	156.6
#1	.0119	.0028	-.0077	.00051	.00013	.0000
#2	.0046	.0182	-.0031	.00047	.00000	.0008
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000	.0000
Range	±.0500	±.0500	±.1000	±.00500	±.00500	±.0500

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0029	.0016	-.0011	-.0013	.0004
Stddev	.0005	.0045	.0002	.0001	.0005	.0002
%RSD	113.2	153.2	9.430	9.922	40.23	52.43
#1	.0008	-.0002	.0017	-.0010	-.0009	.0005
#2	.0001	.0061	.0015	-.0011	-.0017	.0002
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.0050	±.0500	±.0050	±.0100	±.0100	±.0200

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0117	.00033	.00028	.0014	.0003	-.0128
Stddev	.0025	.00005	.00010	.0020	.0026	.0273
%RSD	21.82	14.370	36.874	137.3	811.7	213.3
#1	-.0135	.00030	.00036	.0028	-.0015	.0065
#2	-.0099	.00037	.00021	.0000	.0022	-.0321
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.00000	.0000	.0000	.0000
Range	±.0500	±.02000	±.00500	±.0100	±.0200	±.4000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0062	.0043	-.0059	-.0018	.0010	.0018
Stddev	.0038	.0000	.0059	.0048	.0031	.0005
%RSD	60.61	.0492	101.0	269.1	319.6	26.64
#1	-.0089	.0043	-.0101	.0016	-.0012	.0014
#2	-.0036	.0043	-.0017	-.0052	.0032	.0021
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.1000	±.0100	±.2000	±.0500	±.0100	±.0100

Sample Name: CCB Run Time: 11/23/10 10:32

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0263	-.0028	.00077	.0036	-.00026	.00013
Stddev	.0229	.0028	.00304	.0085	.00086	.00005
%RSD	87.12	99.15	394.14	238.3	335.69	38.190
#1	.0101	-.0048	.00292	-.0025	-.00087	.00009
#2	.0425	-.0008	-.00138	.0096	.00035	.00016
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.2000	±.01000	±.2000	±.01000	±.01000

Int. Std.	Sc3572
Units	Cts/S
Avg	144.52
Stddev	.32
%RSD	.21804
#1	144.30
#2	144.74

Method: 2010A Sample Name: CRI ICP8-16-C Operator:
Comment:
Run Time: 11/23/10 10:35 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0614	.0431	.0787	.00507	.00493	.0497
Stddev	.0103	.0008	.0066	.00060	.00006	.0002
%RSD	16.81	1.793	8.352	11.920	1.3087	.4022
#1	.0687	.0426	.0740	.00549	.00489	.0498
#2	.0541	.0436	.0833	.00464	.00498	.0495
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.0500	.1000	.00500	.00500	.0500
Range	30.00%	100.0%	100.0%	100.00%	100.00%	100.0%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	.0424	.0068	.0095	.0091	.0235
Stddev	.0007	.0121	.0005	.0003	.0004	.0008
%RSD	17.09	28.48	7.864	3.099	4.328	3.437
#1	.0037	.0339	.0072	.0097	.0094	.0241
#2	.0048	.0510	.0065	.0093	.0088	.0229
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0050	.0500	.0050	.0100	.0100	.0200
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0576	.01754	.00492	.0083	.0215	.4222
Stddev	.0020	.00019	.00016	.0013	.0002	.0170
%RSD	3.414	1.0784	3.3089	15.70	.7111	4.036
#1	.0590	.01741	.00481	.0093	.0214	.4342
#2	.0562	.01767	.00504	.0074	.0216	.4101
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.02000	.00500	.0100	.0200	.4000
Range	100.0%	100.00%	100.00%	100.0%	100.0%	100.0%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0747	.0155	.2011	.0423	.0074	.0111
Stddev	.0100	.0027	.0095	.0037	.0020	.0006
%RSD	13.44	17.11	4.749	8.704	27.25	5.463
#1	.0818	.0136	.1943	.0449	.0088	.0115
#2	.0676	.0174	.2078	.0397	.0059	.0107
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.1000	.0100	.2000	.0500	.0100	.0100
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Sample Name: CRI Run Time: 11/23/10 10:35

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2095	.4022	.01152	.1571	.01051	.00957
Stddev	.0069	.0009	.00202	.0350	.00061	.00008
%RSD	3.298	.2313	17.537	22.30	5.7754	.80174
#1	.2144	.4016	.01294	.1819	.01008	.00962
#2	.2047	.4029	.01009	.1324	.01094	.00952
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.2000	.4000	.01000	.2000	.01000	.01000
Range	100.0%	100.0%	100.00%	100.0%	100.00%	100.00%

Int. Std.	Sc3572
Units	Cts/S
Avg	147.18
Stddev	1.12
%RSD	.75921
#1	146.39
#2	147.97

Method: 2010A Sample Name: ICSA ICP8-12-C Operator:
Comment:
Run Time: 11/23/10 10:38 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	516.8	.0838	-.0220	.00096	.00001	-.0006
Stddev	.3	.0195	.0058	.00033	.00014	.0020
%RSD	.0552	23.28	26.52	34.430	967.65	363.9
#1	516.6	.0700	-.0179	.00119	.00011	-.0020
#2	517.0	.0976	-.0262	.00072	-.00008	.0009
Check ?	QC Pass	None	None	None	None	None
Value	500.0					
Range	20.00%					

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079	500.8	.0020	-.0029	-.0009	200.7
Stddev	.0009	1.5	.0012	.0008	.0011	.4
%RSD	11.80	.3073	59.44	27.63	121.9	.1923
#1	.0072	499.7	.0012	-.0035	-.0001	200.4
#2	.0085	501.8	.0028	-.0023	-.0016	201.0
Check ?	None	QC Pass	None	None	None	QC Pass
Value		500.0				200.0
Range		20.00%				20.00%

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0213	525.2	-.01621	.0007	-.0071	-.0292
Stddev	.0190	1.2	.00045	.0011	.0013	.0091
%RSD	89.07	.2370	2.7458	172.1	17.74	31.25
#1	-.0347	524.3	-.01653	-.0001	-.0062	-.0227
#2	-.0079	526.1	-.01590	.0015	-.0080	-.0357
Check ?	None	QC Pass	None	None	None	None
Value		500.0				
Range		20.00%				

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	.0009	.0894	-.0243	-.0044	.0102
Stddev	.0189	.0000	.0042	.0062	.0033	.0020
%RSD	618.1	.1283	4.734	25.71	75.10	19.80
#1	-.0103	.0009	.0865	-.0198	-.0067	.0088
#2	.0164	.0009	.0924	-.0287	-.0021	.0117
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: ICSA Run Time: 11/23/10 10:38

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0395	-.0157	.00578	.1420	.01715	.00520
Stddev	.0019	.0027	.00060	.0490	.00055	.00006
%RSD	4.903	17.15	10.327	34.51	3.2335	1.2031
#1	.0381	-.0176	.00620	.1766	.01676	.00524
#2	.0408	-.0138	.00536	.1073	.01754	.00515
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	136.21
Stddev	.09
%RSD	.06364
#1	136.27
#2	136.15

Method: 2010A Sample Name: ICSAB ICP8-16-E Operator:
Comment:
Run Time: 11/23/10 10:41 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	511.3	1.027	-.0324	.45276	.54713	-.0020
Stddev	.3	.019	.0017	.00021	.00061	.0002
%RSD	.0620	1.819	5.156	.04670	.11234	8.050
#1	511.1	1.014	-.0336	.45261	.54757	-.0018
#2	511.5	1.041	-.0313	.45291	.54670	-.0021
Check ?	None	QC Pass	None	QC Pass	QC Pass	None
Value		1.000		.50000	.50000	
Range		20.00%		20.000%	20.000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9489	489.4	.4881	.4701	.4612	194.6
Stddev	.0013	.5	.0033	.0005	.0051	.0
%RSD	.1358	.0999	.6747	.1060	1.115	.0019
#1	.9498	489.1	.4858	.4705	.4649	194.6
#2	.9480	489.8	.4904	.4698	.4576	194.5
Check ?	QC Pass	None	QC Pass	QC Pass	QC Pass	None
Value	1.000		.5000	.5000	.5000	
Range	20.00%		20.00%	20.00%	20.00%	

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9505	522.2	.43487	-.0016	.9198	-.0932
Stddev	.0229	.4	.00142	.0001	.0025	.0116
%RSD	2.414	.0812	.32697	4.149	.2753	12.44
#1	.9667	521.9	.43386	-.0016	.9216	-.1014
#2	.9343	522.5	.43587	-.0017	.9180	-.0850
Check ?	QC Pass	None	QC Pass	None	QC Pass	None
Value	1.000		.50000		1.000	
Range	20.00%		20.000%		20.00%	

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0130	.9542	.0122	-.0200	.4928	.9511
Stddev	.0276	.0043	.0005	.0116	.0071	.0067
%RSD	213.1	.4470	4.283	57.86	1.437	.7049
#1	.0325	.9512	.0119	-.0282	.4877	.9464
#2	-.0066	.9572	.0126	-.0118	.4978	.9558
Check ?	None	QC Pass	None	None	QC Pass	QC Pass
Value		1.000			.5000	1.000
Range		20.00%			20.00%	20.00%

Sample Name: ICSAB Run Time: 11/23/10 10:41

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0323	-.0125	.01248	.1276	.01672	.00796
Stddev	.0110	.0037	.00165	.0144	.00039	.00013
%RSD	34.04	29.80	13.230	11.29	2.3553	1.6176
#1	.0401	-.0151	.01365	.1175	.01644	.00787
#2	.0245	-.0099	.01131	.1378	.01700	.00805
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	137.00
Stddev	.27
%RSD	.19732
#1	136.81
#2	137.19

Method: 2010A Sample Name: ICSAB Operator:
Comment:
Run Time: 11/23/10 10:44 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	515.1	1.052	-.0221	.45141	.55456	.0000
Stddev	1.6	.021	.0039	.00209	.00475	.001
%RSD	.3083	2.005	17.82	.46197	.85614	3587.
#1	513.9	1.037	-.0249	.44994	.55120	.0009
#2	516.2	1.067	-.0193	.45289	.55791	-.0010
Check ?	None	QC Pass	None	QC Pass	QC Pass	None
Value		1.000		.50000	.50000	
Range		20.00%		20.000%	20.000%	

11/23/10

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9449	491.2	.4855	.4697	.4601	197.1
Stddev	.0053	2.4	.0023	.0011	.0018	2.4
%RSD	.5584	.4817	.4737	.2328	.3837	1.199
#1	.9412	489.6	.4839	.4689	.4613	195.5
#2	.9487	492.9	.4872	.4705	.4588	198.8
Check ?	QC Pass	None	QC Pass	QC Pass	QC Pass	None
Value	1.000		.5000	.5000	.5000	
Range	20.00%		20.00%	20.00%	20.00%	

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9551	522.4	.43427	-.0018	.9227	-.0917
Stddev	.0175	1.5	.00150	.0022	.0068	.0051
%RSD	1.831	.2813	.34439	127.6	.7382	5.537
#1	.9427	523.4	.43321	-.0033	.9179	-.0952
#2	.9675	521.4	.43533	-.0002	.9275	-.0881
Check ?	QC Pass	None	QC Pass	None	QC Pass	None
Value	1.000		.50000		1.000	
Range	20.00%		20.000%		20.00%	

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0080	.9536	.0160	-.0173	.4960	.9479
Stddev	.0249	.0039	.0028	.0019	.0039	.0054
%RSD	310.6	.4077	17.70	11.23	.7939	.5726
#1	.0256	.9564	.0140	-.0159	.4933	.9441
#2	-.0096	.9509	.0180	-.0186	.4988	.9517
Check ?	None	QC Pass	None	None	QC Pass	QC Pass
Value		1.000			.5000	1.000
Range		20.00%			20.00%	20.00%

Sample Name: ICSAB Run Time: 11/23/10 10:44

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0236	-.0127	.00975	.1527	.01827	.00689
Stddev	.0013	.0025	.00004	.0315	.00009	.00068
%RSD	5.361	20.08	.40307	20.61	.51707	9.7925
#1	.0227	-.0109	.00977	.1304	.01821	.00737
#2	.0245	-.0145	.00972	.1749	.01834	.00642
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Sc3572
Units	Cts/S
Avg	136.78
Stddev	.45
%RSD	.32899
#1	137.10
#2	136.47

SL 11/23/10

Method: 2010A Sample Name: CCVB Operator:
Comment:
Run Time: 11/23/10 10:47 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.179	.0079	-.0177	2.4772	.05094	.0047
Stddev	.030	.0125	.0028	.0215	.00030	.0002
%RSD	.5738	158.0	15.71	.86757	.59136	4.824
#1	5.200	-.0009	-.0196	2.4620	.05072	.0046
#2	5.158	.0167	-.0157	2.4924	.05115	.0049
Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	25.72	.0030	-.0023	-.0018	25.51
Stddev	.0005	.25	.0009	.0001	.0028	.28
%RSD	45.04	.9874	29.47	6.270	152.3	1.089
#1	.0007	25.54	.0036	-.0022	-.0038	25.31
#2	.0014	25.90	.0024	-.0024	.0001	25.70
Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0095	25.34	5.040	.0000	-.0013	10.36
Stddev	.0018	.19	.016	.0005	.0015	.01
%RSD	18.90	.7327	.3168	2085.	115.5	.0897
#1	-.0108	25.21	5.029	-.0003	-.0002	10.37
#2	-.0083	25.47	5.051	.0004	-.0024	10.35
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0035	.0017	9.840	.0057	.0014	.0019
Stddev	.0025	.0063	.064	.0012	.0003	.0016
%RSD	71.38	377.2	.6546	20.55	24.25	81.69
#1	-.0017	.0062	9.886	.0065	.0016	.0030
#2	-.0053	-.0028	9.795	.0049	.0011	.0008
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 11/23/10 10:47

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.04	2.558	.00152	.0309	.51326	.51544
Stddev	.08	.011	.00117	.0001	.00406	.00106
%RSD	.8082	.4141	77.137	.1783	.79126	.20620
#1	9.981	2.551	.00235	.0309	.51613	.51469
#2	10.10	2.566	.00069	.0309	.51039	.51619
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%

Int. Std.	Sc3572
Units	Cts/S
Avg	146.19
Stddev	.06
%RSD	.04316
#1	146.24
#2	146.15

Method: 2010A Sample Name: CCVA Operator:
Comment:
Run Time: 11/23/10 10:50 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5008	2.453	2.392	.45756	.57097	.5000
Stddev	.0192	.045	.006	.00432	.00273	.0006
%RSD	3.840	1.854	.2542	.94392	.47892	.1220
#1	.5144	2.421	2.388	.45451	.56904	.5005
#2	.4872	2.485	2.397	.46061	.57291	.4996
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4978	2.401	.4996	.5045	.4880	.5225
Stddev	.0063	.056	.0047	.0039	.0039	.0075
%RSD	1.263	2.319	.9466	.7774	.7909	1.434
#1	.4934	2.362	.4963	.5017	.4853	.5278
#2	.5023	2.440	.5030	.5073	.4907	.5172
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.533	1.9883	.99801	1.006	.5071	5.153
Stddev	.029	.0022	.00052	.023	.0047	.008
%RSD	1.140	.10935	.05212	2.253	.9302	.1634
#1	2.513	1.9899	.99764	.9896	.5038	5.159
#2	2.554	1.9868	.99837	1.022	.5104	5.147
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.484	.5015	.4710	2.535	.5071	.4965
Stddev	.007	.0045	.0059	.006	.0013	.0074
%RSD	.2798	.9036	1.251	.2276	.2538	1.489
#1	2.479	.4983	.4668	2.531	.5062	.4913
#2	2.489	.5047	.4751	2.539	.5080	.5018
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 11/23/10 10:50

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0050	.5671	.49678	4.895	.52189	.51586
Stddev	.0087	.0086	.00550	.022	.00101	.00127
%RSD	176.1	1.516	1.1072	.4533	.19348	.24648
#1	-.0112	.5610	.49289	4.879	.52261	.51496
#2	.0012	.5732	.50067	4.910	.52118	.51676
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		

Int. Std.	Sc3572
Units	Cts/S
Avg	146.94
Stddev	.42
%RSD	.28757
#1	147.24
#2	146.64

Method: 2010A Sample Name: CCB Operator:
Comment:
Run Time: 11/23/10 10:53 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	-.0093	-.0123	.00045	.00007	.0010
Stddev	.0039	.0093	.0044	.00036	.00000	.0004
%RSD	35.49	99.28	35.36	79.520	2.4111	33.73
#1	.0137	-.0159	-.0093	.00020	.00007	.0013
#2	.0082	-.0028	-.0154	.00071	.00007	.0008
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000	.0000
Range	±.0500	±.0500	±.1000	±.00500	±.00500	±.0500

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0022	.0008	-.0008	.0007	.0020
Stddev	.001	.0021	.0020	.0000	.0016	.0002
%RSD	1981.	94.44	262.1	3.518	212.0	8.684
#1	.0003	.0007	-.0007	-.0008	.0019	.0019
#2	-.0003	.0037	.0022	-.0008	-.0004	.0022
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.0050	±.0500	±.0050	±.0100	±.0100	±.0200

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033	.00058	.00047	.0016	.0004	.0021
Stddev	.0084	.00005	.00007	.0031	.0010	.0178
%RSD	254.6	9.4027	14.859	193.3	252.3	867.3
#1	-.0026	.00054	.00052	.0038	.0011	-.0106
#2	.0092	.00062	.00042	-.0006	-.0003	.0147
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.00000	.0000	.0000	.0000
Range	±.0500	±.02000	±.00500	±.0100	±.0200	±.4000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0044	.0015	-.0070	-.0085	-.0013	.0011
Stddev	.0113	.0008	.0044	.0070	.0015	.0008
%RSD	254.7	52.85	62.25	82.31	119.2	71.82
#1	.0036	.0009	-.0039	-.0135	-.0024	.0016
#2	-.0124	.0021	-.0101	-.0036	-.0002	.0005
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000
Range	±.1000	±.0100	±.2000	±.0500	±.0100	±.0100

Sample Name: CCB Run Time: 11/23/10 10:53

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0050	.00135	.0072	-.00091	.00020
Stddev	.0031	.0016	.00055	.0069	.00035	.00004
%RSD	718.3	32.19	41.004	95.99	38.299	20.783
#1	-.0018	-.0039	.00096	.0121	-.00116	.00017
#2	.0026	-.0061	.00174	.0023	-.00067	.00023
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.2000	±.01000	±.2000	±.01000	±.01000

Int. Std.	Sc3572
Units	Cts/S
Avg	144.79
Stddev	.20
%RSD	.13989
#1	144.65
#2	144.93

Method: 2010A Sample Name: K1012914-MB Operator: JC
Comment: (226465) (112310A) 1/2
Run Time: 11/23/10 10:56 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0192	-.0045	-.0058	.00066	-.00010
#1	-.0174	.0005	-.0185	.00059	-.00005
#2	-.0210	-.0094	.0070	.00072	-.00014

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0002	.0068	.0030	-.0006
#1	-.0006	.0006	.0037	.0025	-.0022
#2	.0006	-.0002	.0100	.0035	.0010

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0017	.0045	-.0016	.00094	-.00013
#1	-.0019	.0049	-.0093	.00056	-.00008
#2	-.0015	.0040	.0062	.00132	-.00017

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0012	-.0007	.0175	.0071	.0030
#1	-.0022	-.0002	.0243	.0160	.0024
#2	-.0002	-.0011	.0106	-.0018	.0036

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0190	-.0037	.0012	.0342
#1	.0015	.0208	-.0061	.0008	.0304
#2	-.0015	.0171	-.0013	.0017	.0380

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0017	.00044	.0012	-.00004	-.00002
#1	-.0014	.00158	-.0146	.00006	.00001
#2	-.0020	-.00071	.0169	-.00013	-.00005

Int. Std.	Sc3572
Units	Cts/S
Avg	144.05
#1	143.57
#2	144.54

Method: 2010A Sample Name: LCSS Operator: JC
Comment: (226465) (112310A) 1/2 K1012914
Run Time: 11/23/10 10:59 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	46.10	.4405	.4125	2.1929	.30275	.5275
#1	46.18	.4416	.3995	2.1981	.30448	.5277
#2	46.03	.4394	.4256	2.1876	.30103	.5272

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4603	49.03	.7494	1.002	1.190	92.85
#1	.4627	49.02	.7501	1.004	1.192	93.22
#2	.4579	49.04	.7486	1.001	1.188	92.48

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4997	19.75	2.5669	.3227	1.028	20.85
#1	.5042	19.80	2.5754	.3220	1.030	20.97
#2	.4951	19.70	2.5584	.3234	1.025	20.73

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9577	.3809	3.265	.6843	.9269	1.581
#1	.9568	.3843	3.289	.6755	.9367	1.586
#2	.9585	.3776	3.242	.6930	.9171	1.575

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.200	10.04	2.4214	1.223	.04689	.68033
#1	4.215	10.08	2.4293	1.247	.04666	.68242
#2	4.184	10.01	2.4134	1.200	.04712	.67823

Int. Std.	Sc3572
Units	Cts/S
Avg	146.07
#1	145.95
#2	146.18

Method: 2010A Sample Name: K1012543-001 Operator: JC
Comment: (226465) (112310A) 1/2 USE FOR BQC
Run Time: 11/23/10 11:02 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	126.3	.0329	.0193	.23498	.00346	.0578
#1	125.7	.0406	.0181	.23482	.00345	.0560
#2	126.8	.0252	.0205	.23513	.00347	.0597

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0039	6.228	.2660	.0311	.0759	159.5
#1	.0042	6.254	.2667	.0310	.0804	159.4
#2	.0037	6.202	.2652	.0313	.0714	159.5

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0621	42.33	.55329	.0117	.1532	8.376
#1	.0665	42.35	.55482	.0131	.1550	8.347
#2	.0578	42.32	.55176	.0104	.1514	8.406

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0075	.0027	12.05	.0067	.2883	.2774
#1	.0101	.0051	12.11	.0077	.2880	.2776
#2	.0048	.0002	12.00	.0058	.2886	.2773

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.218	9.729	4.5292	.1090	.15745	.19829
#1	3.226	9.756	4.5482	.1210	.15660	.19865
#2	3.211	9.703	4.5102	.0969	.15831	.19793

Int. Std.	Sc3572
Units	Cts/S
Avg	148.34
#1	147.98
#2	148.69

Method: 2010A Sample Name: K1012543-001D Operator: JC
Comment: (226465) (112310A) 1/2 USE FOR BQC
Run Time: 11/23/10 11:05 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	135.5	.0254	.0135	.23332	.00343	.0635
#1	136.6	.0193	.0131	.23331	.00343	.0627
#2	134.4	.0314	.0139	.23333	.00344	.0644

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	6.697	.3007	.0342	.0851	173.5
#1	.0063	6.725	.3002	.0335	.0846	173.4
#2	.0055	6.668	.3012	.0349	.0855	173.7

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0579	46.77	.61059	.0085	.1687	8.264
#1	.0584	46.93	.61196	.0089	.1682	8.304
#2	.0575	46.60	.60922	.0082	.1691	8.225

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107	-.0015	11.95	.0127	.2894	.3018
#1	.0116	-.0002	12.05	.0187	.2906	.2996
#2	.0097	-.0028	11.84	.0066	.2881	.3039

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.326	9.892	4.5951	.1195	.16685	.19328
#1	3.363	9.924	4.6318	.1030	.16818	.19481
#2	3.289	9.860	4.5583	.1360	.16552	.19174

Int. Std.	Sc3572
Units	Cts/S
Avg	147.83
#1	147.70
#2	147.95

Method: 2010A Sample Name: K1012543-001S Operator: JC
Comment: (226465) (112310A) 1/2 USE FOR BQC
Run Time: 11/23/10 11:08 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	128.5	.1837	.4738	2.1952	.05382	.4997
#1	128.8	.1898	.4568	2.1816	.05381	.4971
#2	128.2	.1776	.4908	2.2088	.05382	.5024

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0535	10.26	.4722	.5240	.3133	156.8
#1	.0526	10.24	.4673	.5219	.3135	156.6
#2	.0545	10.28	.4772	.5261	.3131	157.0

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5379	47.86	1.0875	.4810	.6409	12.27
#1	.5321	47.78	1.0831	.4800	.6372	12.28
#2	.5437	47.94	1.0919	.4821	.6445	12.27

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4904	.0516	16.06	.0080	.7830	.7698
#1	.4904	.0507	16.04	.0078	.7817	.7667
#2	.4904	.0526	16.09	.0083	.7842	.7728

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.083	9.165	4.4120	.5405	.15374	.17182
#1	3.047	9.132	4.4036	.5355	.15456	.17183
#2	3.118	9.197	4.4204	.5456	.15293	.17181

Int. Std.	Sc3572
Units	Cts/S
Avg	146.69
#1	146.41
#2	146.97

Method: 2010A Sample Name: K1012914-001 Operator: JC
Comment: (226465) (112310A) 1/2
Run Time: 11/23/10 11:11 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.136	.0010	-.0035	.14448	.00084	.0103
#1	9.169	.0060	-.0015	.14374	.00079	.0100
#2	9.103	-.0039	-.0054	.14522	.00089	.0106

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	20.85	.0141	.0093	.0112	11.92
#1	.0001	20.81	.0148	.0103	.0115	11.98
#2	.0004	20.89	.0133	.0083	.0109	11.87

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197	2.7785	.32269	-.0010	.0085	1.758
#1	.0179	2.7851	.32149	-.0002	.0082	1.753
#2	.0216	2.7718	.32389	-.0018	.0088	1.763

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0094	.0020	.2497	.0126	.0233	.1018
#1	-.0094	.0012	.2445	.0131	.0216	.1008
#2	-.0094	.0027	.2548	.0121	.0251	.1028

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1868	6.629	.12280	.0101	.00637	.08646
#1	.1947	6.642	.12287	.0003	.00636	.08669
#2	.1790	6.616	.12273	.0199	.00639	.08623

Int. Std.	Sc3572
Units	Cts/S
Avg	143.48
#1	143.60
#2	143.35

Method: 2010A Sample Name: K1012914-001L Operator: JC
Comment: (226465) (112310A) 1/10
Run Time: 11/23/10 11:14 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.732	.0043	-.0151	.02877	.00017	.0020
#1	1.719	.0159	-.0128	.02888	.00015	.0023
#2	1.745	-.0072	-.0174	.02867	.00020	.0018

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	4.002	.0042	.0013	.0018	2.313
#1	-.0004	3.972	.0033	.0007	.0012	2.303
#2	.0006	4.032	.0051	.0019	.0025	2.324

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0076	.50012	.06374	-.0029	.0014	.3365
#1	-.0056	.49919	.06336	-.0030	.0017	.3434
#2	-.0097	.50104	.06412	-.0028	.0012	.3295

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0028	.0677	-.0014	.0027	.0192
#1	.0198	.0020	.0687	-.0081	.0004	.0183
#2	-.0158	.0035	.0667	.0052	.0051	.0200

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0451	1.300	.02334	.0003	.00056	.01698
#1	.0353	1.300	.02369	-.0046	.00054	.01695
#2	.0550	1.299	.02300	.0051	.00059	.01701

Int. Std.	Sc3572
Units	Cts/S
Avg	145.89
#1	146.09
#2	145.68

Method: 2010A Sample Name: K1012914-002 Operator: JC
Comment: (226465) (112310A) 1/2
Run Time: 11/23/10 11:17 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.164	-.0001	-.0042	.21791	.00067	.0102
#1	9.180	-.0073	-.0038	.21885	.00071	.0108
#2	9.149	.0071	-.0045	.21697	.00064	.0096

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	287.3	.0168	.0083	.0074	12.38
#1	.0007	286.8	.0161	.0084	.0066	12.39
#2	.0007	287.9	.0176	.0082	.0081	12.37

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	3.0547	.40985	-.0020	.0080	1.542
#1	.0049	3.0587	.41172	-.0023	.0086	1.511
#2	.0064	3.0508	.40798	-.0018	.0073	1.573

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	.0023	1.710	.0239	.0292	.0567
#1	.0137	.0035	1.722	.0290	.0292	.0572
#2	-.0023	.0012	1.697	.0187	.0292	.0563

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2119	6.396	.13718	.0212	.01469	.47278
#1	.2235	6.407	.13640	.0053	.01480	.47433
#2	.2003	6.385	.13795	.0370	.01458	.47123

Int. Std.	Sc3572
Units	Cts/S
Avg	143.40
#1	143.15
#2	143.66

Method: 2010A Sample Name: K1012914-009 Operator: JC
Comment: (226465) (112310A) 1/2
Run Time: 11/23/10 11:20 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.892	-.0062	.0008	.32162	.00074	.0087
#1	8.892	-.0161	.0046	.32131	.00071	.0082
#2	8.892	.0038	-.0031	.32192	.00078	.0092

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	108.0	.0197	.0097	.0124	18.38
#1	.0002	107.3	.0181	.0089	.0126	18.29
#2	.0002	108.6	.0213	.0105	.0122	18.47

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0133	3.1901	.39906	-.0007	.0139	1.504
#1	.0107	3.1943	.39988	-.0021	.0137	1.509
#2	.0159	3.1859	.39823	.0007	.0141	1.498

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0188	.0027	.2354	.0013	.0380	.1212
#1	-.0233	.0008	.2351	.0086	.0367	.1204
#2	-.0144	.0045	.2356	-.0060	.0392	.1220

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1882	5.671	.20048	-.0118	.01147	.30804
#1	.1927	5.674	.20124	-.0106	.01150	.30947
#2	.1836	5.669	.19971	-.0130	.01144	.30662

Int. Std.	Sc3572
Units	Cts/S
Avg	143.06
#1	143.06
#2	143.06

Method: 2010A Sample Name: K1012914-010 Operator: JC
Comment: (226465) (112310A) 1/2
Run Time: 11/23/10 11:23 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.334	.0005	.0019	.08264	.00043	.0064
#1	6.363	-.0006	-.0012	.08269	.00044	.0063
#2	6.304	.0016	.0050	.08259	.00042	.0066

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	88.61	.0139	.0060	.0064	8.397
#1	.0005	88.09	.0143	.0060	.0064	8.377
#2	.0001	89.12	.0135	.0059	.0064	8.417

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0186	2.4614	.21262	.0001	.0091	1.236
#1	.0210	2.4578	.21174	.0004	.0094	1.248
#2	.0162	2.4649	.21351	-.0003	.0088	1.224

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	.0031	.1743	.0101	.0238	.0389
#1	-.0080	.0057	.1745	.0112	.0242	.0385
#2	.0169	.0005	.1740	.0089	.0234	.0393

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1441	4.739	.14822	-.0015	.00863	.23945
#1	.1509	4.727	.14704	-.0027	.00826	.24048
#2	.1373	4.750	.14940	-.0002	.00900	.23843

Int. Std.	Sc3572
Units	Cts/S
Avg	142.47
#1	142.47
#2	142.47

Method: 2010A Sample Name: CCVB Operator:
Comment:
Run Time: 11/23/10 11:26 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.124	.0151	-.0038	2.4910	.05043	.0047
Stddev	.030	.0024	.0027	.0018	.00035	.0001
%RSD	.5849	15.76	71.65	.07299	.68774	3.145
#1	5.145	.0134	-.0057	2.4897	.05068	.0046
#2	5.103	.0167	-.0019	2.4923	.05019	.0048
Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	25.93	.0041	-.0017	-.0002	25.59
Stddev	.0000	.13	.0009	.0009	.0029	.07
%RSD	.4337	.4970	21.53	49.14	1236.	.2926
#1	.0017	25.84	.0048	-.0023	.0018	25.64
#2	.0017	26.02	.0035	-.0011	-.0023	25.53
Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0121	25.20	5.029	.0005	-.0033	10.20
Stddev	.0083	.00	.020	.0017	.0001	.07
%RSD	68.85	.0046	.3921	335.0	3.746	.6736
#1	-.0062	25.20	5.043	-.0007	-.0034	10.24
#2	-.0180	25.20	5.015	.0017	-.0033	10.15
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0106	.0026	9.717	-.0011	.0010	.0015
Stddev	.0101	.0034	.034	.0009	.0009	.0003
%RSD	94.90	131.3	.3460	76.38	89.25	23.06
#1	-.0035	.0051	9.741	-.0005	.0016	.0012
#2	-.0177	.0002	9.694	-.0018	.0004	.0017
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 11/23/10 11:26

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.03	2.553	.00040	.0261	.50949	.50868
Stddev	.07	.001	.00097	.0135	.00247	.00314
%RSD	.7225	.0224	239.36	51.67	.48398	.61751
#1	9.980	2.552	-.00028	.0166	.51124	.51090
#2	10.08	2.553	.00109	.0356	.50775	.50646
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%

Int. Std.	Sc3572
Units	Cts/S
Avg	145.99
Stddev	.37
%RSD	.25427
#1	145.73
#2	146.25

Method: 2010A Sample Name: CCVA Operator:
Comment:
Run Time: 11/23/10 11:29 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4677	2.443	2.412	.45670	.55978	.4968
Stddev	.0013	.002	.019	.00156	.00062	.0004
%RSD	.2738	.0662	.7837	.34124	.11026	.0752
#1	.4668	2.444	2.398	.45560	.56022	.4965
#2	.4686	2.442	2.425	.45781	.55935	.4970
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4983	2.480	.5002	.5043	.4944	.5200
Stddev	.0020	.029	.0049	.0028	.0010	.0091
%RSD	.4029	1.172	.9730	.5613	.2039	1.745
#1	.4969	2.460	.4967	.5023	.4937	.5264
#2	.4997	2.501	.5036	.5063	.4951	.5135
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.514	1.9896	.99936	.9903	.5045	5.046
Stddev	.009	.0015	.00510	.0087	.0035	.019
%RSD	.3725	.07632	.51036	.8835	.6842	.3789
#1	2.507	1.9907	.99576	.9841	.5020	5.060
#2	2.521	1.9886	1.0030	.9965	.5069	5.033
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.464	.5082	.4618	2.480	.4992	.4963
Stddev	.016	.0002	.0061	.014	.0021	.0030
%RSD	.6561	.0426	1.322	.5757	.4214	.6010
#1	2.452	.5080	.4661	2.470	.4977	.4942
#2	2.475	.5084	.4574	2.490	.5007	.4984
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 11/23/10 11:29

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.5731	.49681	4.914	.51327	.50247
Stddev	.0095	.0029	.00161	.051	.00209	.00227
%RSD	7827.	.5050	.32336	1.027	.40714	.45200
#1	.0069	.5751	.49568	4.878	.51475	.50407
#2	-.0066	.5711	.49795	4.950	.51179	.50086
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		

Int. Std.	Sc3572
Units	Cts/S
Avg	147.97
Stddev	.02
%RSD	.01017
#1	147.98
#2	147.96

Method: 2010A Sample Name: CCB Operator:
Comment:
Run Time: 11/23/10 11:32 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0302	.0061	-.0100	.00072	.00010
Stddev	.0181	.0016	.0131	.00010	.00003
%RSD	60.04	25.67	130.6	13.723	36.098
#1	-.0430	.0072	-.0193	.00065	.00012
#2	-.0174	.0050	-.0008	.00079	.00007
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0500	±.0500	±.1000	±.00500	±.00500

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0005	.0093	.0012	-.0004
Stddev	.0005	.0005	.0010	.0015	.0006
%RSD	142.5	106.0	11.19	123.4	157.1
#1	.0000	.0001	.0100	.0022	-.0008
#2	.0007	.0009	.0085	.0002	.0000
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0500	±.0050	±.0500	±.0050	±.0100

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	.0042	-.0007	.00552	.00069
Stddev	.0009	.0011	.0055	.00025	.00022
%RSD	89.86	25.79	741.8	4.6099	31.378
#1	-.0004	.0050	.0032	.00534	.00085
#2	-.0017	.0034	-.0047	.00570	.00054
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0100	±.0200	±.0500	±.02000	±.00500

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0023	.0010	.0108	-.0071	.0013
Stddev	.0010	.0002	.0128	.0050	.0016
%RSD	43.85	19.52	118.3	70.70	121.3
#1	.0030	.0008	.0198	-.0036	.0024
#2	.0016	.0011	.0018	-.0107	.0002
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0100	±.0200	±.4000	±.1000	±.0100

Sample Name: CCB Run Time: 11/23/10 11:32

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0106	.0017	-.0011	.0006	.0199
Stddev	.0024	.0007	.0006	.0001	.0107
%RSD	22.16	39.46	54.91	23.26	53.96
#1	-.0090	.0012	-.0015	.0007	.0275
#2	-.0123	.0022	-.0007	.0005	.0123
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.2000	±.0500	±.0100	±.0100	±.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	.00258	.0159	-.00029	.00021
Stddev	.0007	.00113	.0154	.00024	.00011
%RSD	37.93	43.724	97.20	81.895	55.448
#1	-.0024	.00179	.0050	-.00045	.00029
#2	-.0014	.00338	.0268	-.00012	.00013
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.01000	±.2000	±.01000	±.01000

Int. Std.	Sc3572
Units	Cts/S
Avg	143.89
Stddev	.39
%RSD	.27176
#1	143.61
#2	144.17

Method: 2010A Sample Name: K1012914-016 Operator: JC
Comment: (226465) (112310A) 1/2
Run Time: 11/23/10 11:35 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.26	.0207	.0140	.45829	.00165	.0522
#1	26.19	.0257	.0187	.45679	.00168	.0515
#2	26.32	.0158	.0094	.45978	.00163	.0529

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	522.4	.0488	.0121	.0454	36.63
#1	.0019	519.6	.0493	.0115	.0450	36.53
#2	.0016	525.2	.0483	.0126	.0457	36.72

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0757	17.20	.94517	.0015	.0240	2.668
#1	.0680	17.21	.93921	.0012	.0237	2.674
#2	.0835	17.19	.95113	.0017	.0242	2.662

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0016	.0001	2.691	.0141	.0922	.2838
#1	.0055	.0009	2.702	.0086	.0914	.2828
#2	-.0087	-.0006	2.681	.0196	.0930	.2848

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5455	15.51	.56233	.0576	.03045	1.2392
#1	.5444	15.42	.55933	.0650	.02981	1.2384
#2	.5466	15.59	.56533	.0501	.03110	1.2399

Int. Std.	Sc3572
Units	Cts/S
Avg	139.87
#1	139.91
#2	139.83

Method: 2010A Sample Name: K1012914-017 Operator: JC
Comment: (226465) (112310A) 1/2
Run Time: 11/23/10 11:38 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.41	.0163	-.0022	.48091	.00150	.0524
#1	26.46	.0092	-.0146	.48178	.00156	.0528
#2	26.36	.0235	.0101	.48004	.00145	.0520

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	470.0	.0488	.0115	.0406	29.00
#1	.0020	469.5	.0489	.0116	.0405	28.99
#2	.0027	470.5	.0487	.0113	.0406	29.01

Elem	Pb2203	Mg2025	Mg2795	Mn2576	Mo2020	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1188	9.202	8.3852	.82887	.0035	.0280
#1	.1139	9.176	8.4933	.82798	.0044	.0266
#2	.1236	9.227	8.2771	.82977	.0027	.0293

Elem	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_3102
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.846	.0024	.0020	2.588	.0203	.0774
#1	2.880	.0158	.0039	2.617	.0104	.0785
#2	2.813	-.0109	.0002	2.559	.0302	.0763

Elem	Zn2062	P_2149	Si2516	Ti3234	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3123	.5982	15.19	.53178	.0300	.02901
#1	.3125	.5986	15.24	.53345	.0450	.03021
#2	.3120	.5978	15.14	.53012	.0149	.02780

Elem	Sr4077
Units	ppm
Avg	1.2592
#1	1.2698
#2	1.2485

Int. Std.	Sc3572
Units	Cts/S
Avg	140.68
#1	140.49
#2	140.88

Method: 2010A Sample Name: K1012914-018 Operator: JC
Comment: (226465) (112310A) 1/2
Run Time: 11/23/10 11:41 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.51	.0229	-.0049	.47776	.00169	.0319
#1	24.75	.0235	-.0084	.48244	.00168	.0317
#2	24.28	.0224	-.0015	.47308	.00170	.0320

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	441.9	.0445	.0131	.0345	29.84
#1	.0025	443.7	.0459	.0131	.0353	30.19
#2	.0012	440.2	.0431	.0131	.0338	29.49

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2560	7.6234	.97583	.0001	.0229	2.318
#1	.2692	7.6675	.98817	-.0002	.0218	2.349
#2	.2429	7.5793	.96350	.0003	.0240	2.287

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0184	.0038	4.226	.0284	.0711	.2803
#1	.0122	.0049	4.275	.0275	.0700	.2823
#2	.0246	.0026	4.178	.0292	.0721	.2784

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5661	9.690	.23059	.0240	.02558	1.0756
#1	.5732	9.758	.23070	.0317	.02594	1.0896
#2	.5590	9.622	.23048	.0164	.02521	1.0616

Int. Std.	Sc3572
Units	Cts/S
Avg	142.71
#1	142.12
#2	143.30

Method: 2010A Sample Name: K1012914-019 Operator: JC
Comment: (226465) (112310A) 1/2
Run Time: 11/23/10 11:44 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.47	.0052	.0066	.40804	.00164	.0282
#1	22.53	-.0031	.0081	.40834	.00163	.0281
#2	22.42	.0134	.0050	.40773	.00165	.0283

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021	319.7	.0593	.0110	.0258	26.36
#1	.0024	334.9	.0588	.0098	.0268	26.34
#2	.0019	304.6	.0599	.0121	.0247	26.38

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2965	6.6672	.76111	.0007	.0188	2.189
#1	.2900	6.6752	.79258	-.0005	.0193	2.180
#2	.3030	6.6593	.72964	.0020	.0182	2.197

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0029	.0002	3.790	.0275	.0643	.2821
#1	.0047	.0004	3.794	.0270	.0625	.2819
#2	.0012	.0000	3.786	.0279	.0662	.2823

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6045	9.663	.20087	.0231	.02105	.83303
#1	.6212	9.684	.19901	.0281	.02134	.83454
#2	.5878	9.642	.20274	.0182	.02076	.83152

Int. Std.	Sc3572
Units	Cts/S
Avg	143.09
#1	142.85
#2	143.33

Method: 2010A Sample Name: RB Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 11:47 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0100	-.0028	-.0170	.00022	.00001	-.0002
#1	.0046	-.0094	-.0224	.00020	.00002	-.0002
#2	.0155	.0039	-.0116	.00025	-.00001	-.0002

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0390	-.0002	-.0008	-.0022	.0081
#1	-.0001	.0227	.0010	-.0008	-.0047	.0137
#2	-.0003	.0554	-.0015	-.0008	.0004	.0025

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0051	.00068	-.00002	-.0011	.0008	-.0020
#1	-.0013	.00046	.00002	-.0015	.0002	-.0191
#2	-.0089	.00091	-.00006	-.0006	.0013	.0151

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0030	-.0050	-.0042	-.0020	.0011
#1	.0053	-.0002	-.0052	-.0094	-.0047	.0015
#2	-.0071	.0062	-.0048	.0011	.0007	.0007

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0153	.0005	-.00017	.0021	-.00077	.00014
#1	.0249	.0013	.00042	.0093	-.00104	.00012
#2	.0057	-.0003	-.00076	-.0051	-.00051	.00015

Int. Std.	Sc3572
Units	Cts/S
Avg	146.27
#1	146.47
#2	146.06

Method: 2010A Sample Name: K1012914-MB Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 11:50 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0274	-.0127	-.0073	.00018	.00003
#1	-.0302	-.0028	-.0177	.00024	.00004
#2	-.0247	-.0226	.0031	.00012	.00001

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0008	-.0001	.0137	.0027	-.0011
#1	.0014	-.0003	.0168	.0025	-.0017
#2	.0001	.0001	.0105	.0029	-.0004

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0110	-.0049	.00071	.00003
#1	-.0032	.0115	-.0124	.00062	.00012
#2	.0015	.0105	.0027	.00080	-.00005

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	-.0001	.0017	-.0116	.0067
#1	-.0018	.0002	.0010	-.0160	.0058
#2	-.0002	-.0003	.0024	-.0071	.0077

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0038	.0383	-.0032	.0029	.0369
#1	.0067	.0394	-.0036	.0018	.0272
#2	.0010	.0372	-.0027	.0040	.0465

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0288	.00223	.0014	.00033	.00006
#1	.0318	.00073	.0052	.00029	.00001
#2	.0259	.00374	-.0023	.00036	.00010

Int. Std.	Sc3572
Units	Cts/S
Avg	142.89
#1	142.35
#2	143.44

Method: 2010A Sample Name: LCSW Operator: JC
Comment: (226465) (112310A) K1012914
Run Time: 11/23/10 11:53 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.946	.9588	.9531	3.9376	.10245	.9602
#1	3.914	.9375	.9381	3.8648	.10164	.9541
#2	3.978	.9801	.9681	4.0105	.10327	.9663

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0987	10.10	.4085	1.004	.4568	2.000
#1	.0965	9.930	.4010	.9858	.4567	1.965
#2	.1010	10.28	.4160	1.023	.4569	2.035

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9879	9.563	.99131	1.034	.9921	9.658
#1	.9661	9.431	.98132	1.010	.9715	9.662
#2	1.010	9.696	1.0013	1.058	1.013	9.654

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9619	.0922	9.145	.0500	1.017	.9998
#1	.9610	.0928	9.118	.0459	.9944	.9756
#2	.9628	.0917	9.172	.0541	1.039	1.024

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0320	.0250	.00372	.9518	.00041	.00216
#1	.0283	.0272	.00378	.9087	.00051	.00226
#2	.0357	.0227	.00367	.9948	.00032	.00207

Int. Std.	Sc3572
Units	Cts/S
Avg	143.54
#1	144.31
#2	142.77

Method: 2010A Sample Name: LCSWD Operator: JC
Comment: (226465) (112310A) K1012914
Run Time: 11/23/10 11:56 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.777	.8915	.8860	3.7670	.09803	.9162
#1	3.756	.8886	.8694	3.7417	.09759	.9140
#2	3.797	.8944	.9026	3.7923	.09847	.9185

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0943	9.666	.3907	.9674	.4298	1.930
#1	.0928	9.539	.3872	.9631	.4228	1.922
#2	.0959	9.793	.3942	.9717	.4368	1.938

Elem	Pb2203	Mg2025	Mg2795	Mn2576	Mo2020	Ni2316
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9612	9.071	8.9232	.95370	.9920	.9571
#1	.9396	9.030	8.9071	.94831	.9837	.9508
#2	.9828	9.111	8.9393	.95909	1.000	.9634

Elem	K_7664	Se1960	Ag3280	Na5895	Sn1899	V_3102
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.138	.9103	.0871	8.742	.0460	.9731
#1	9.129	.8863	.0875	8.777	.0342	.9750
#2	9.146	.9343	.0868	8.706	.0577	.9713

Elem	Zn2062	P_2149	Si2516	Ti3234	Tl1908	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9630	.0160	.0198	.00226	.9297	.00008
#1	.9552	.0166	.0216	.00037	.9312	.00028
#2	.9707	.0154	.0180	.00415	.9282	-.00012

Elem	Sr4077
Units	ppm
Avg	.00185
#1	.00190
#2	.00181

Int. Std.	Sc3572
Units	Cts/S
Avg	142.26
#1	142.04
#2	142.48

Method: 2010A Sample Name: K1012914-029 Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 11:59 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0753	.0019	.0009	.00292	.00005	.0112
#1	.0836	-.0009	-.0045	.00309	.00008	.0119
#2	.0671	.0046	.0063	.00275	.00002	.0104

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.9336	.0417	-.0008	.0160	.2718
#1	.0000	.9356	.0415	-.0011	.0174	.2712
#2	.0007	.9316	.0419	-.0005	.0146	.2725

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	1.4264	.00605	.0006	.0198	1.306
#1	.0020	1.4263	.00608	.0016	.0191	1.298
#2	.0010	1.4265	.00602	-.0004	.0205	1.314

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0125	.0015	3.041	.0291	-.0018	.6689
#1	-.0017	.0006	3.050	.0276	-.0023	.6612
#2	.0267	.0024	3.031	.0306	-.0013	.6767

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6248	.3849	.00305	.4766	.00019	.00805
#1	.6268	.3889	.00416	.4611	.00051	.00814
#2	.6227	.3810	.00194	.4921	-.00012	.00797

Int. Std.	Sc3572
Units	Cts/S
Avg	144.49
#1	144.77
#2	144.20

Method: 2010A Sample Name: K1012914-029L Operator: JC
Comment: (226465) (112310A) 1/5
Run Time: 11/23/10 12:02 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0128	-.0018	-.0038	.00113	-.00001	.0023
#1	.0065	-.0094	.0008	.00112	.00000	.0023
#2	.0192	.0059	-.0085	.00113	-.00001	.0024

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.1820	.0109	-.0014	.0020	.0555
#1	.0002	.1842	.0098	-.0019	.0004	.0561
#2	.0003	.1797	.0120	-.0008	.0036	.0549

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0050	.26704	.00141	-.0006	.0041	.2652
#1	-.0063	.26772	.00154	.0008	.0035	.2688
#2	-.0037	.26637	.00129	-.0020	.0046	.2617

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0098	.0022	.6115	.0048	-.0015	.1390
#1	.0018	.0062	.6150	.0001	-.0010	.1388
#2	-.0213	-.0017	.6081	.0096	-.0019	.1392

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1419	.0739	.00182	.1239	.00017	.00163
#1	.1466	.0730	.00283	.1129	.00058	.00160
#2	.1371	.0748	.00081	.1350	-.00024	.00166

Int. Std.	Sc3572
Units	Cts/S
Avg	145.73
#1	145.98
#2	145.48

Method: 2010A Sample Name: CCVB Operator:
Comment:
Run Time: 11/23/10 12:05 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.038	.0095	-.0085	2.5087	.04987	.0034
Stddev	.001	.0039	.0169	.0122	.00001	.0011
%RSD	.0267	40.93	199.7	.48763	.02929	32.74
#1	5.039	.0123	.0035	2.5174	.04988	.0026
#2	5.037	.0068	-.0204	2.5001	.04986	.0042
Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	25.47	.0039	-.0012	-.0031	25.19
Stddev	.0003	.09	.0007	.0001	.0000	.09
%RSD	18.73	.3501	17.45	5.519	.1700	.3637
#1	.0012	25.54	.0034	-.0012	-.0030	25.25
#2	.0016	25.41	.0044	-.0011	-.0031	25.12
Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0070	25.23	5.015	-.0013	-.0037	10.01
Stddev	.0062	.19	.015	.0006	.0013	.00
%RSD	89.22	.7472	.3072	47.71	35.12	.0382
#1	-.0026	25.10	5.026	-.0017	-.0028	10.02
#2	-.0113	25.36	5.004	-.0008	-.0047	10.01
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0107	.0024	9.730	.0029	.0015	.0019
Stddev	.0000	.0005	.059	.0002	.0038	.0003
%RSD	.0419	21.86	.6079	6.102	259.9	16.58
#1	.0107	.0021	9.772	.0030	.0041	.0021
#2	.0107	.0028	9.688	.0028	-.0012	.0017
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 11/23/10 12:05

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.05	2.526	.00400	.0444	.49734	.50243
Stddev	.03	.000	.00191	.0224	.00154	.00046
%RSD	.2812	.0122	47.705	50.58	.30867	.09110
#1	10.03	2.526	.00535	.0603	.49842	.50276
#2	10.07	2.526	.00265	.0285	.49625	.50211
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%

Int. Std.	Sc3572
Units	Cts/S
Avg	145.33
Stddev	.61
%RSD	.41876
#1	144.90
#2	145.76

Method: 2010A Sample Name: CCVA Operator:
Comment:
Run Time: 11/23/10 12:08 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4787	2.459	2.424	.45516	.55872	.5009
Stddev	.0040	.009	.027	.00129	.00244	.0030
%RSD	.8366	.3808	1.124	.28358	.43615	.5926
#1	.4759	2.452	2.405	.45425	.55700	.4988
#2	.4815	2.466	2.444	.45608	.56045	.5030
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4972	2.510	.4960	.4996	.5000	.5178
Stddev	.0043	.006	.0008	.0006	.0013	.0076
%RSD	.8649	.2428	.1596	.1186	.2544	1.467
#1	.4941	2.514	.4955	.5000	.4991	.5232
#2	.5002	2.506	.4966	.4992	.5009	.5125
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.483	1.9934	.99622	.9810	.5001	5.112
Stddev	.004	.0006	.00389	.0139	.0025	.015
%RSD	.1737	.02992	.39057	1.412	.5099	.2975
#1	2.480	1.9938	.99897	.9712	.4983	5.101
#2	2.486	1.9930	.99347	.9907	.5019	5.123
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.473	.5017	.4629	2.447	.4957	.4953
Stddev	.027	.0027	.0067	.021	.0017	.0026
%RSD	1.090	.5348	1.456	.8744	.3439	.5347
#1	2.454	.5035	.4676	2.432	.4969	.4934
#2	2.492	.4998	.4581	2.462	.4945	.4972
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 11/23/10 12:08

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0115	.5743	.49369	4.913	.51192	.50199
Stddev	.0027	.0045	.00160	.030	.00036	.00085
%RSD	23.49	.7861	.32427	.6163	.07031	.17007
#1	.0096	.5712	.49482	4.892	.51167	.50139
#2	.0135	.5775	.49255	4.935	.51218	.50260
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		

Int. Std.	Sc3572
Units	Cts/S
Avg	149.39
Stddev	.07
%RSD	.04830
#1	149.34
#2	149.44

Method: 2010A Sample Name: CCB Operator:
Comment:
Run Time: 11/23/10 12:11 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0092	.0011	-.0015	.00063	.00012
Stddev	.0142	.0117	.0022	.00000	.00003
%RSD	155.4	1038.	141.0	.10175	23.423
#1	.0009	-.0071	.0000	.00063	.00014
#2	-.0192	.0094	-.0031	.00063	.00010
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0500	±.0500	±.1000	±.00500	±.00500

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-.0006	.0039	.0006	-.0004
Stddev	.0003	.0000	.0024	.0008	.0003
%RSD	53.67	2.922	61.73	142.9	89.87
#1	.0008	-.0007	.0022	.0012	-.0001
#2	.0004	-.0006	.0056	.0000	-.0006
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0500	±.0050	±.0500	±.0050	±.0100

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0049	-.0020	.00630	.00074
Stddev	.0029	.0001	.0039	.00002	.00007
%RSD	389.5	1.386	198.5	.34467	9.3619
#1	-.0013	.0050	-.0048	.00629	.00069
#2	.0028	.0049	.0008	.00632	.00078
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0100	±.0200	±.0500	±.02000	±.00500

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0005	-.0272	-.0089	.0015
Stddev	.0024	.0006	.0065	.0050	.0034
%RSD	166.3	133.4	23.92	56.59	229.8
#1	.0031	.0000	-.0226	-.0053	.0039
#2	-.0003	.0009	-.0318	-.0124	-.0009
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0100	±.0200	±.4000	±.1000	±.0100

Sample Name: CCB Run Time: 11/23/10 12:11

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0051	.0077	-.0018	.0004	.0125
Stddev	.0027	.0053	.0002	.0017	.0066
%RSD	53.36	68.43	10.41	378.5	53.18
#1	-.0032	.0040	-.0020	-.0008	.0078
#2	-.0070	.0115	-.0017	.0016	.0172
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.2000	±.0500	±.0100	±.0100	±.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0041	.00102	.0154	.00020	.00027
Stddev	.0028	.00023	.0016	.00022	.00005
%RSD	66.50	22.803	10.30	112.52	19.258
#1	.0061	.00118	.0143	.00004	.00031
#2	.0022	.00085	.0165	.00035	.00024
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.01000	±.2000	±.01000	±.01000

Int. Std.	Sc3572
Units	Cts/S
Avg	145.99
Stddev	.49
%RSD	.33694
#1	145.65
#2	146.34

Method: 2010A Sample Name: K1012914-029A Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 12:15 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.001	2.408	2.372	4.8443	.12780	.0123
#1	4.972	2.392	2.357	4.8011	.12792	.0122
#2	5.031	2.424	2.386	4.8876	.12768	.0125

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.200	12.87	.5391	1.225	.6115	2.715
#1	1.189	12.73	.5345	1.211	.6109	2.696
#2	1.212	13.01	.5438	1.238	.6122	2.734

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.415	13.32	1.2266	-.0005	1.243	13.93
#1	2.386	13.27	1.2176	-.0005	1.230	14.01
#2	2.444	13.37	1.2355	-.0005	1.255	13.86

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.581	.5903	15.46	.0452	1.249	1.835
#1	2.556	.5954	15.62	.0459	1.249	1.811
#2	2.605	.5853	15.30	.0445	1.249	1.860

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6273	.3843	.00198	2.959	.00048	.01077
#1	.6253	.3806	.00204	2.911	.00054	.01080
#2	.6292	.3880	.00192	3.007	.00041	.01073

Int. Std.	Sc3572
Units	Cts/S
Avg	143.74
#1	143.41
#2	144.06

Method: 2010A Sample Name: K1012914-030 Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 12:18 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1055	.0058	-.0126	.00729	.00006	.0112
#1	.1147	.0113	-.0191	.00763	.00016	.0105
#2	.0963	.0003	-.0060	.00695	-.00004	.0119

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	1.018	.0305	.0000	.0141	.2281
#1	.0007	1.008	.0304	.0002	.0116	.2281
#2	-.0001	1.028	.0305	-.0002	.0165	.2280

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	1.3557	.00486	-.0002	.0115	1.210
#1	-.0035	1.3483	.00487	.0004	.0131	1.217
#2	.0061	1.3631	.00485	-.0007	.0099	1.204

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.0022	3.078	.0262	-.0020	.6200
#1	-.0071	-.0002	3.116	.0326	-.0022	.6179
#2	.0054	.0047	3.039	.0198	-.0018	.6220

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5948	.3871	.00174	1.049	.00005	.00828
#1	.5933	.3873	.00186	1.058	.00005	.00839
#2	.5964	.3869	.00163	1.041	.00005	.00817

Int. Std.	Sc3572
Units	Cts/S
Avg	143.61
#1	142.47
#2	144.75

Method: 2010A Sample Name: K1012914-031 Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 12:21 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0046	.0033	.0036	.00205	.00002
#1	.0009	.0071	.0001	.00190	.00003
#2	-.0101	-.0005	.0071	.00220	.00001

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0090	-.0006	.2563	.0008	-.0002
#1	.0089	-.0001	.2513	.0019	-.0010
#2	.0091	-.0011	.2612	-.0003	.0005

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0153	.0314	-.0015	1.4567	.00235
#1	.0157	.0314	.0034	1.4520	.00235
#2	.0148	.0313	-.0063	1.4615	.00235

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	.0004	1.359	-.0160	.0026
#1	-.0026	.0009	1.374	-.0018	.0039
#2	.0000	.0000	1.343	-.0302	.0013

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	2.525	.0287	-.0051	.7143	.6350
#1	2.539	.0276	-.0065	.7077	.6335
#2	2.511	.0298	-.0037	.7209	.6364

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	.2278	.00005	.4464	-.00014	.00317
#1	.2252	.00120	.4357	-.00093	.00314
#2	.2304	-.00111	.4571	-.00066	.00320

Int. Std.	Sc3572
Units	Cts/S
Avg	145.89
#1	145.86
#2	145.93

Method: 2010A Sample Name: RB Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 12:24 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0247	.0105	-.0170	.00093	-.00003
#1	-.0211	.0149	-.0239	.00061	.00002
#2	-.0284	.0061	-.0100	.00125	-.00008

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0008	-.0008	.0022	-.0002	.0003
#1	.0005	-.0007	.0012	-.0011	-.0001
#2	.0011	-.0008	.0032	.0006	.0008

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0011	-.0014	.0005	.00106	-.00003
#1	-.0011	-.0010	.0088	.00114	.00002
#2	-.0011	-.0018	-.0079	.00098	-.00008

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.0005	-.0050	-.0071	.0026
#1	-.0020	.0002	-.0082	-.0036	.0017
#2	.0013	.0007	-.0017	-.0107	.0036

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0008	-.0077	-.0022	.0015	.0029
#1	.0039	-.0057	-.0037	.0017	.0048
#2	-.0023	-.0096	-.0006	.0013	.0010

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0076	.00017	.0103	-.00034	-.00002
#1	-.0086	.00134	.0282	-.00071	-.00004
#2	-.0067	-.00100	-.0076	.00002	.00000

Int. Std.	Sc3572
Units	Cts/S
Avg	147.25
#1	147.09
#2	147.40

Method: 2010A Sample Name: K1012360-MB Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 12:27 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054	.0000	-.0031	.00022	.00002	-.0012
#1	.0082	-.0050	-.0008	.00017	-.00002	-.0012
#2	.0027	.0049	-.0054	.00026	.00007	-.0011

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0071	-.0002	-.0011	-.0019	-.0015
#1	.0004	.0085	-.0003	-.0012	-.0019	-.0017
#2	.0003	.0056	.0000	-.0010	-.0019	-.0013

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065	.00016	-.00016	-.0021	.0006	-.0300
#1	.0026	.00021	-.00012	-.0035	-.0001	-.0317
#2	.0103	.00012	-.00019	-.0007	.0013	-.0283

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0027	.0024	-.0094	-.0059	-.0016	.0003
#1	.0071	.0043	-.0083	-.0038	-.0023	.0002
#2	-.0124	.0006	-.0106	-.0080	-.0009	.0005

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1943	-.0036	-.00013	-.0124	-.00078	-.00002
#1	.2015	-.0034	.00261	-.0005	-.00037	-.00001
#2	.1871	-.0039	-.00288	-.0243	-.00118	-.00003

Int. Std.	Sc3572
Units	Cts/S
Avg	147.85
#1	148.12
#2	147.58

Method: 2010A Sample Name: LCSW Operator: JC
Comment: (226465) (112310A) K1012360
Run Time: 11/23/10 12:30 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.360	2.559	2.557	5.2834	.13401	1.016
#1	5.315	2.539	2.560	5.2897	.13449	1.015
#2	5.404	2.579	2.553	5.2770	.13353	1.016

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.268	13.24	.5336	1.325	.6491	2.607
#1	1.270	13.15	.5348	1.328	.6488	2.612
#2	1.265	13.34	.5323	1.322	.6494	2.602

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.564	13.11	1.3012	1.022	1.310	13.62
#1	2.573	13.06	1.3040	1.018	1.313	13.64
#2	2.555	13.17	1.2984	1.026	1.306	13.60

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.572	.6700	12.85	.0019	1.319	1.305
#1	2.529	.6689	12.98	.0035	1.325	1.307
#2	2.614	.6711	12.72	.0004	1.313	1.303

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1978	-.0039	.00186	2.527	.00021	.00309
#1	.1906	-.0027	.00179	2.531	-.00035	.00315
#2	.2050	-.0050	.00194	2.522	.00078	.00304

Int. Std.	Sc3572
Units	Cts/S
Avg	147.70
#1	146.97
#2	148.43

Method: 2010A Sample Name: K1012360-001 Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 12:33 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0376	.0006	-.0044	.00849	-.00001	.0155
#1	.0595	-.0038	-.0114	.00900	-.00005	.0154
#2	.0156	.0049	.0025	.00798	.00003	.0157

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	11.09	.0019	.0003	-.0001	.0782
#1	.0003	11.08	.0020	.0009	-.0030	.0793
#2	.0006	11.11	.0018	-.0004	.0028	.0771

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0122	2.1888	.00476	.0019	.0001	3.441
#1	-.0033	2.1834	.00480	.0041	.0009	3.432
#2	-.0211	2.1942	.00471	-.0002	-.0007	3.449

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036	.0039	9.543	-.0056	.0056	.0084
#1	.0107	.0032	9.557	-.0007	.0079	.0088
#2	-.0036	.0047	9.530	-.0105	.0032	.0080

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2729	23.16	.00476	-.0133	.00147	.13707
#1	.2723	23.08	.00476	-.0193	.00145	.13684
#2	.2736	23.23	.00475	-.0073	.00149	.13729

Int. Std.	Sc3572
Units	Cts/S
Avg	146.72
#1	146.69
#2	146.74

Method: 2010A Sample Name: K1012360-001D Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 12:36 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0422	-.0050	-.0094	.00753	-.00006	.0146
#1	.0632	.0017	-.0152	.00734	-.00005	.0150
#2	.0211	-.0116	-.0037	.00771	-.00007	.0143

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	10.79	.0018	-.0019	.0019	.0771
#1	-.0002	10.73	.0023	-.0013	.0030	.0769
#2	.0002	10.86	.0012	-.0024	.0008	.0773

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072	2.1419	.00436	.0006	-.0003	3.315
#1	.0052	2.1391	.00434	.0017	-.0004	3.304
#2	.0092	2.1447	.00438	-.0005	-.0002	3.326

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0142	-.0006	9.181	-.0037	.0045	.0078
#1	-.0018	-.0002	9.229	.0034	.0041	.0084
#2	.0302	-.0009	9.134	-.0109	.0050	.0072

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2531	22.65	.00355	-.0015	.00161	.13155
#1	.2593	22.57	.00269	-.0050	.00176	.13206
#2	.2470	22.73	.00441	.0020	.00147	.13105

Int. Std.	Sc3572
Units	Cts/S
Avg	148.08
#1	147.72
#2	148.45

Method: 2010A Sample Name: K1012360-001L Operator: JC
Comment: (226465) (112310A) 1/5
Run Time: 11/23/10 12:39 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0064	-.0056	-.0150	.00166	.00007
#1	.0010	-.0095	-.0092	.00165	.00008
#2	-.0137	-.0017	-.0208	.00167	.00006

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0038	.0005	2.077	.0017	-.0006
#1	.0038	.0004	2.071	.0020	.0001
#2	.0039	.0006	2.083	.0014	-.0012

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0022	.0146	.0039	.40659	.00071
#1	-.0019	.0141	.0042	.40612	.00080
#2	-.0024	.0151	.0036	.40706	.00062

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0021	-.0002	.6378	-.0053	.0015
#1	-.0037	-.0002	.6440	-.0036	.0024
#2	-.0005	-.0002	.6316	-.0071	.0006

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.781	-.0023	-.0022	.0017	.0794
#1	1.788	.0002	-.0009	.0021	.0817
#2	1.774	-.0049	-.0036	.0012	.0771

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	4.321	-.00003	.0090	.00020	.02629
#1	4.304	-.00060	.0020	-.00007	.02636
#2	4.339	.00053	.0161	.00048	.02621

Int. Std.	Sc3572
Units	Cts/S
Avg	147.91
#1	147.58
#2	148.23

Method: 2010A Sample Name: K1012360-001S Operator: JC
Comment: (226465) (112310A)
Run Time: 11/23/10 12:42 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.069	.4743	.9977	2.0804	.05088	1.025
#1	2.058	.4785	.9892	2.0642	.05072	1.025
#2	2.080	.4701	1.006	2.0966	.05104	1.026

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0504	21.51	.2066	.5085	.2430	1.091
#1	.0499	21.51	.2044	.5049	.2417	1.086
#2	.0509	21.52	.2087	.5121	.2443	1.096

Elem	Pb2203	Mg2025	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4968	12.41	.47976	1.031	.5019	13.58
#1	.4833	12.44	.47788	1.019	.5009	13.55
#2	.5103	12.38	.48163	1.044	.5029	13.60

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9880	.0505	19.36	.0015	.5023	.5240
#1	.9800	.0479	19.35	.0022	.5012	.5226
#2	.9960	.0531	19.36	.0007	.5035	.5253

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2276	23.25	.00337	.9675	.00148	.13327
#1	.2136	23.29	.00270	.9721	.00150	.13312
#2	.2416	23.22	.00403	.9629	.00146	.13343

Int. Std.	Sc3572
Units	Cts/S
Avg	146.38
#1	146.58
#2	146.18

Method: 2010A Sample Name: CCVB Operator:
Comment:
Run Time: 11/23/10 12:45 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.104	.0041	-.0115	2.4929	.05021	.0056
Stddev	.048	.0008	.0049	.0172	.00023	.0002
%RSD	.9409	19.30	42.50	.69091	.45304	3.758
#1	5.070	.0035	-.0081	2.5051	.05037	.0057
#2	5.138	.0046	-.0150	2.4807	.05005	.0054
Check ?	QC Pass	None	None	QC Pass	QC Pass	None
Value	5.000			2.5000	.05000	
Range	10.00%			10.000%	10.000%	

Elem	Cd2265	Ca2112	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	25.62	.0016	-.0017	-.0009	25.13
Stddev	.0001	.12	.0022	.0011	.0038	.00
%RSD	8.132	.4724	133.8	62.02	426.5	.0165
#1	.0016	25.53	.0001	-.0024	.0018	25.13
#2	.0018	25.70	.0032	-.0010	-.0036	25.13
Check ?	None	QC Pass	None	None	None	QC Pass
Value		25.00				25.00
Range		10.00%				10.00%

Elem	Pb2203	Mg2025	Mn2939	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0103	25.36	5.005	.0009	-.0040	10.11
Stddev	.0029	.07	.026	.0014	.0008	.02
%RSD	27.76	.2610	.5149	158.0	20.86	.1556
#1	-.0124	25.31	5.023	-.0001	-.0046	10.10
#2	-.0083	25.41	4.987	.0018	-.0034	10.12
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		25.00	5.000			10.00
Range		10.00%	10.00%			10.00%

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0080	.0030	9.722	-.0030	.0010	.0025
Stddev	.0038	.0029	.061	.0091	.0025	.0016
%RSD	47.41	97.24	.6233	303.3	252.3	61.91
#1	-.0106	.0009	9.765	-.0094	.0027	.0036
#2	-.0053	.0051	9.679	.0034	-.0008	.0014
Check ?	None	None	QC Pass	None	None	None
Value			10.00			
Range			10.00%			

Sample Name: CCVB Run Time: 11/23/10 12:45

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.07	2.544	.00061	.0210	.49978	.50408
Stddev	.01	.010	.00017	.0235	.00006	.00198
%RSD	.0589	.3764	27.880	111.7	.01164	.39189
#1	10.08	2.537	.00073	.0044	.49982	.50547
#2	10.07	2.551	.00049	.0376	.49974	.50268
Check ?	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	10.00	2.500			.50000	.50000
Range	10.00%	10.00%			10.000%	10.000%

Int. Std.	Sc3572
Units	Cts/S
Avg	146.62
Stddev	.97
%RSD	.66186
#1	145.94
#2	147.31

Method: 2010A Sample Name: CCVA Operator:
Comment:
Run Time: 11/23/10 12:48 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4797	2.476	2.422	.46169	.57021	.5022
Stddev	.0233	.024	.017	.00555	.00327	.0023
%RSD	4.861	.9781	.6923	1.2032	.57404	.4663
#1	.4632	2.459	2.410	.45776	.56790	.5005
#2	.4961	2.493	2.434	.46562	.57253	.5038
Check ?	None	QC Pass	QC Pass	None	None	QC Pass
Value		2.500	2.500			.5000
Range		10.00%	10.00%			10.00%

Elem	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5023	2.480	.5044	.5058	.4983	.5309
Stddev	.0060	.011	.0005	.0087	.0023	.0053
%RSD	1.189	.4457	.1014	1.712	.4525	1.004
#1	.4980	2.487	.5041	.4997	.4999	.5347
#2	.5065	2.472	.5048	.5119	.4967	.5272
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	2.500	.5000	.5000	.5000	.5000
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Pb2203	Mg2795	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.516	1.9890	1.0116	.9983	.5075	5.152
Stddev	.033	.0058	.0056	.0100	.0091	.011
%RSD	1.293	.29050	.54926	.9981	1.796	.2209
#1	2.493	1.9849	1.0077	.9912	.5010	5.160
#2	2.539	1.9931	1.0156	1.005	.5139	5.144
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None
Value	2.500	2.0000	1.0000	1.000	.5000	
Range	10.00%	10.000%	10.000%	10.00%	10.00%	

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.466	.5062	.4734	2.506	.4998	.5012
Stddev	.011	.0058	.0111	.039	.0016	.0079
%RSD	.4640	1.150	2.343	1.574	.3191	1.585
#1	2.474	.5021	.4813	2.478	.4986	.4956
#2	2.458	.5103	.4656	2.534	.5009	.5068
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	QC Pass
Value	2.500	.5000		2.500	.5000	.5000
Range	10.00%	10.00%		10.00%	10.00%	10.00%

Sample Name: CCVA Run Time: 11/23/10 12:48

Elem	P_2149	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0022	.5776	.49818	4.995	.51589	.51422
Stddev	.0153	.0001	.00037	.064	.00029	.00267
%RSD	679.3	.0142	.07500	1.275	.05621	.51974
#1	-.0130	.5776	.49845	4.950	.51568	.51233
#2	.0085	.5775	.49792	5.040	.51609	.51611
Check ?	None	None	QC Pass	QC Pass	None	None
Value			.50000	5.000		
Range			10.000%	10.00%		

Int. Std.	Sc3572
Units	Cts/S
Avg	147.04
Stddev	.14
%RSD	.09766
#1	147.14
#2	146.94

Method: 2010A Sample Name: CCB Operator:
Comment:
Run Time: 11/23/10 12:51 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0055	-.0050	-.0073	.00082	.00025
Stddev	.0065	.0032	.0049	.00019	.00005
%RSD	118.1	62.92	67.03	23.438	19.391
#1	-.0100	-.0028	-.0108	.00068	.00028
#2	-.0009	-.0072	-.0039	.00095	.00021
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0500	±.0500	±.1000	±.00500	±.00500

Elem	B_2497	Cd2265	Ca3179	Cr2677	Co2286
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0006	.0100	.0035	-.0015
Stddev	.0003	.0004	.0097	.0013	.0003
%RSD	408.8	67.63	96.68	37.61	20.82
#1	-.0003	.0003	.0032	.0044	-.0013
#2	.0001	.0008	.0168	.0026	-.0017
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0500	±.0050	±.0500	±.0050	±.0100

Elem	Cu3247	Fe2599	Pb2203	Mg2795	Mn2576
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0054	.0045	.00684	.00085
Stddev	.0003	.0009	.0008	.00004	.00039
%RSD	28.47	15.78	17.06	.58376	46.153
#1	-.0007	.0060	.0051	.00687	.00113
#2	-.0011	.0048	.0040	.00681	.00057
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.00000	.00000
Range	±.0100	±.0200	±.0500	±.02000	±.00500

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	.0005	-.0019	-.0178	.0011
Stddev	.0022	.0010	.0261	.0176	.0045
%RSD	215.3	214.1	1345.	99.00	401.2
#1	.0005	.0012	-.0204	-.0302	.0043
#2	-.0026	-.0002	.0165	-.0053	-.0021
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.0100	±.0200	±.4000	±.1000	±.0100

Sample Name: CCB Run Time: 11/23/10 12:51

Elem	Na5895	Sn1899	V_3102	Zn2062	P_2149
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0085	.0006	.0008	.0005	.0290
Stddev	.0020	.0114	.0019	.0001	.0064
%RSD	23.92	2063.	246.6	13.48	22.04
#1	-.0071	.0086	.0021	.0004	.0244
#2	-.0099	-.0075	-.0006	.0005	.0335
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000
Range	±.2000	±.0500	±.0100	±.0100	±.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.0019	-.00007	-.0014	-.00067	.00029
Stddev	.0018	.00020	.0119	.00007	.00003
%RSD	98.32	271.86	879.2	10.723	10.220
#1	-.0006	.00007	-.0098	-.00062	.00031
#2	-.0032	-.00021	.0071	-.00072	.00027
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.00000	.0000	.00000	.00000
Range	±.2000	±.01000	±.2000	±.01000	±.01000

Int. Std.	Sc3572
Units	Cts/S
Avg	145.18
Stddev	.31
%RSD	.21388
#1	144.96
#2	145.40

Service Request # K1012914_____
Calibration _____112210D_____
QC in calibration__112210D_____
QC Service Request K1012914_____
STARLIMS Batch # 226370_____

ICP-MS Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	X		
2. ICV within 10 % of true value	X		
3. CCV's in control	X		
4. CCB's and/or ICB's below MRL	X		
5. Method blank below MRL	X		
6. LCS in control	X		
7. Spike and duplicate in control	X		
8. All analytes within instrument linear range	X		
9. Adequate rinse out time allowed	X		
10. Internal standards in control	X		
11. Interferences checked	X		
12. Se over MRL			X
13. CRA run	X		
14. ICSA and ICSAB in control	X		
15. Serial dilution run	X		
16. Post spike in control	X		

Comments:

Primary Review by _____ Date 11/22/10
Secondary Review by _____ Date 11/23/10
R:\icp\misc\data review forms\PQ ExCell review form

Sample List

Num	Label	Type	Weight	Volume	Dilution	Rack	Row	Column	Height
1	Cal. Blk	Blank	0 kg	0 ml	1.00	0	1	1	145
2	Cal. Stn	Fully Quant Standard	0 kg	0 ml	1.00	0	1	2	145
3	ICV1	Unknown	0 kg	0 ml	1.00	0	1	3	145
4	CCV1	Unknown	0 kg	0 ml	1.00	0	1	2	145
5	ICB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
6	CCB1	Unknown	0 kg	0 ml	1.00	0	1	1	145
7	SOIL CRA	Unknown	0 kg	0 ml	1.00	0	1	4	145
8	ICSA	Unknown	0 kg	0 ml	1.00	0	1	5	145
9	ICSAB	Unknown	0 kg	0 ml	1.00	0	1	6	145
10	K1012914-MB 1/5	Unknown	0 kg	0 ml	1.00	2	1	1	145
11	LCSS K1012914 1/100	Unknown	0 kg	0 ml	1.00	2	1	2	145
12	K1012914-001 1/5	Unknown	0 kg	0 ml	1.00	2	1	3	145
13	K1012914-001 1/5D	Unknown	0 kg	0 ml	1.00	2	1	4	145
14	K1012914-001 1/25L	Unknown	0 kg	0 ml	1.00	2	1	5	145
15	K1012914-001 1/5 +50A	Unknown	0 kg	0 ml	1.00	2	1	6	145
16	K1012914-001 1/25S	Unknown	0 kg	0 ml	1.00	2	1	7	145
17	K1012914-002 1/5	Unknown	0 kg	0 ml	1.00	2	1	8	145
18	K1012914-009 1/5	Unknown	0 kg	0 ml	1.00	2	1	9	145
19	K1012914-010 1/5	Unknown	0 kg	0 ml	1.00	2	1	10	145
20	CCV2	Unknown	0 kg	0 ml	1.00	0	1	2	145
21	CCB2	Unknown	0 kg	0 ml	1.00	0	1	1	145
22	K1012914-016 1/5	Unknown	0 kg	0 ml	1.00	2	1	11	145
23	K1012914-017 1/5	Unknown	0 kg	0 ml	1.00	2	1	12	145
24	K1012914-018 1/5	Unknown	0 kg	0 ml	1.00	2	2	1	145
25	K1012914-019 1/5	Unknown	0 kg	0 ml	1.00	2	2	2	145
26	K1012914-MB 1/5	Unknown	0 kg	0 ml	1.00	2	2	3	145
27	LCSW K1012914 1/25	Unknown	0 kg	0 ml	1.00	2	2	4	145
28	LCSW K1012914 1/25D	Unknown	0 kg	0 ml	1.00	2	2	5	145
29	K1012914-029 1/5	Unknown	0 kg	0 ml	1.00	2	2	6	145
30	K1012914-029 1/25L	Unknown	0 kg	0 ml	1.00	2	2	7	145
31	K1012914-029 1/5 +50A	Unknown	0 kg	0 ml	1.00	2	2	8	145
32	CCV3	Unknown	0 kg	0 ml	1.00	0	1	2	145
33	CCB3	Unknown	0 kg	0 ml	1.00	0	1	1	145
34	K1012914-030 1/5	Unknown	0 kg	0 ml	1.00	2	2	9	145
35	K1012914-031 1/5	Unknown	0 kg	0 ml	1.00	2	2	10	145
36	K1012248-MB 1/5	Unknown	0 kg	0 ml	1.00	2	2	11	145
37	LCSS K1012248 1/100	Unknown	0 kg	0 ml	1.00	2	2	12	145
38	K1012248-001 1/5	Unknown	0 kg	0 ml	1.00	2	3	1	145
39	K1012248-001 1/5D	Unknown	0 kg	0 ml	1.00	2	3	2	145
40	K1012248-001 1/25L	Unknown	0 kg	0 ml	1.00	2	3	3	145
41	K1012248-001 1/5 +50A	Unknown	0 kg	0 ml	1.00	2	3	4	145
42	K1012248-001 1/25S	Unknown	0 kg	0 ml	1.00	2	3	5	145
43	CCV4	Unknown	0 kg	0 ml	1.00	0	1	2	145
44	CCB4	Unknown	0 kg	0 ml	1.00	0	1	1	145
45	K1012248-002 1/5	Unknown	0 kg	0 ml	1.00	2	3	6	145
46	K1012248-003 1/5	Unknown	0 kg	0 ml	1.00	2	3	7	145
47	K1012248-004 1/5	Unknown	0 kg	0 ml	1.00	2	3	8	145
48	K1012248-005 1/5	Unknown	0 kg	0 ml	1.00	2	3	9	145

49	K1012248-006 1/5	Unknown	0 kg	0 ml	1.00	2	3	10	145
50	K1012248-007 1/5	Unknown	0 kg	0 ml	1.00	2	3	11	145
51	K1012248-008 1/5	Unknown	0 kg	0 ml	1.00	2	3	12	145
52	K1012248-009 1/5	Unknown	0 kg	0 ml	1.00	2	4	1	145
53	K1012248-010 1/5	Unknown	0 kg	0 ml	1.00	2	4	2	145
54	K1012248-011 1/5	Unknown	0 kg	0 ml	1.00	2	4	3	145
55	CCV5	Unknown	0 kg	0 ml	1.00	0	1	2	145
56	CCB5	Unknown	0 kg	0 ml	1.00	0	1	1	145
57	K1012248-012 1/5	Unknown	0 kg	0 ml	1.00	2	4	4	145
58	K1012248-013 1/5	Unknown	0 kg	0 ml	1.00	2	4	5	145
59	CCV6	Unknown	0 kg	0 ml	1.00	0	1	2	145
60	CCB6	Unknown	0 kg	0 ml	1.00	0	1	1	145

Instrument Setup - Sample Configuration

Sample	Configuration	Date
All Samples	acqmet11	8:13:47 11/22/10

Instrument Setup - Configurations

Configuration Name - acqmet11
Description - PQExcell CCT Sim Default
Date - 8:13:47 11/22/10
Maximum Uptake Time - 0
Maximum Washout Time - 0
S-Option Pump Running - No
Plasma Screen Forward - No
Makeup Gas On - No
Use CCT - No
Use Accessory Gas - No

Setting	Value
Extraction	-400.00
Lens1	5.00
Lens2	-65.00
Lens3	-25.00
Pole Bias	5.00
Sampling Depth	400.00
Horizontal	15.00
Vertical	70.00
Cool	13.00
Auxiliary	1.00
Nebuliser	0.80
Forward power	1,365.00
HT1 Voltage	1,900.00
HT2 Voltage	2,600.00
D1	-34.00
Focus	14.00

ExCell Mass Calibration Date: 11/22/2010

Mass	Mass DAC	Peak Width (AMU)	Error (AMU)	Include	Masses in Tune Solution
6.015	1293	0.766	-0.001	TRUE	
7.016	1553	0.766	0.02	TRUE	Li-7
9.012	2060	0.766	0.017	TRUE	Be-9
23.985	5867	0.766	0.006	TRUE	Mg-24
24.986	6127	0.766	0.027	TRUE	Co-59
25.983	6374	0.766	0.001	TRUE	In-115
26.982	6634	0.766	0.024	TRUE	Ce-140
45.953	11445	0.715	-0.045	TRUE	Pb-208
51.94	12979	0.817	-0.006	TRUE	Bi-209
53.949	13492	0.766	0.001	TRUE	U-238
54.938	13739	0.766	-0.018	TRUE	
55.935	13993	0.817	-0.017	TRUE	
57.934	14506	0.766	-0.001	TRUE	
58.933	14753	0.766	-0.029	TRUE	
69.925	17555	0.817	-0.015	TRUE	
75.92	19076	0.817	-0.037	TRUE	
77.919	19589	0.766	-0.021	TRUE	
112.904	28496	0.766	-0.033	TRUE	
114.904	29010	0.817	-0.014	TRUE	
128.905	32585	0.714	0.017	TRUE	
139.905	35386	0.765	0.01	TRUE	
141.908	35893	0.765	-0.004	TRUE	
155.923	39468	0.765	0.01	TRUE	
205.974	52228	0.714	0.011	TRUE	
206.976	52481	0.663	0.001	TRUE	
207.977	52735	0.714	-0.004	TRUE	
208.98	52995	0.714	0.012	TRUE	
238.051	60398	0.662	-0.034	TRUE	

Excluded in Calib | Excluded in Results | Not Run in Batch | Multi Element | Semi Quant | Internal Standard | Standard Addition

Uncorrected ICPS Per Mass

S-Calibration Has Edited Standard
F-Interference Correction Failed
E-Calibration Edited
T-Tripped
I-Invalid Calibration
P-Pulse Counting
V-Valley Integration Failed
M-Result Over Max

Run	Label	TimeStamp	9Be	7Li	9Be	59Co	115In	208Pb
1	Stability 11-22-2010	11/22/2010 8:18:28 A	(P)0.500	(P)43189.364	(P)13483.861	(P)66809.876	(P)71778.541	(P)25373.187
2	Stability 11-22-2010	11/22/2010 8:19:43 A	(P)0.167	(P)43000.286	(P)13510.719	(P)66869.984	(P)71475.528	(P)26175.795
3	Stability 11-22-2010	11/22/2010 8:20:58 A	(P)0.167	(P)42693.038	(P)13376.594	(P)65525.278	(P)69858.390	(P)25886.104
4	Stability 11-22-2010	11/22/2010 8:22:13 A	(P)0.000	(P)42355.700	(P)13508.384	(P)65088.631	(P)69002.077	(P)25801.447
5	Stability 11-22-2010	11/22/2010 8:23:28 A	(P)0.167	(P)41491.175	(P)13382.766	(P)64464.129	(P)67968.812	(P)25586.732
	Mean of Stability 11-22	11/22/2010 8:18:28 A	(P)0.200	(P)42545.913	(P)13452.465	(P)65751.579	(P)70016.670	(P)25764.653
	SD of Stability 11-22-20		(P)0.183	(P)669.101	(P)67.306	(P)1062.904	(P)1618.690	(P)304.156
	%RSD of Stability 11		(P)91.287	(P)1.573	(P)0.500	(P)1.617	(P)2.312	(P)1.181

Run	Label	TimeStamp	209Bi	209Bi	238U
1	Stability 11-22-2010	11/22/2010 8:18:28 A	(P)43321.431	(P)0.000	(P)43835.886
2	Stability 11-22-2010	11/22/2010 8:19:43 A	(P)43150.077	(P)0.167	(P)44987.274
3	Stability 11-22-2010	11/22/2010 8:20:58 A	(P)42217.628	(P)0.000	(P)45207.275
4	Stability 11-22-2010	11/22/2010 8:22:13 A	(P)41426.489	(P)0.167	(P)44522.459
5	Stability 11-22-2010	11/22/2010 8:23:28 A	(P)41110.915	(P)0.000	(P)44342.916
	Mean of Stability 11-22	11/22/2010 8:18:28 A	(P)42245.308	(P)0.067	(P)44579.162
	SD of Stability 11-22-20		(P)991.807	(P)0.091	(P)541.426
	%RSD of Stability 11		(P)2.348	(P)136.931	(P)1.215

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		Cal. Blk			Mean	SD	%RSD
TimeStamp		11/22/10 16:25					
Arsenic	75	0.0151	0.0142	-0.0292	**0**	0.0253	0
Cadmium	111	-0.0002	0.0001	0	**0**	0.0002	0
Cadmium	114	-0.0002	0	0.0002	**0**	0.0002	0
Chromium	52	-0.0087	-0.0092	0.018	**0**	0.0156	0
Chromium	53	0.0423	-0.0089	-0.0335	**0**	0.0387	0
Molybdenum	95	0.0012	0.0028	-0.0041	**0**	0.0036	0
Molybdenum	97	0.0008	0.0002	-0.001	**0**	0.0009	0
Molybdenum	98	0.0008	0.0011	-0.0019	**0**	0.0016	0
Selenium	77	-0.145	0.0523	0.0926	**0**	0.1272	0
Selenium	78	-0.0264	-0.0087	0.0352	**0**	0.0317	0
Selenium	82	-0.0672	0.1052	-0.038	**0**	0.0923	0

Internal Standard Factors:

Scandium	45	1.082	0.979	0.948	**1.082**	n/a	n/a
Rhodium	103	1.057	0.993	0.955	**1.057**	n/a	n/a
Indium	115	1.062	0.99	0.954	**1.062**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		Cal. Stn			Mean	SD	%RSD
TimeStamp		11/22/10 16:27					
Arsenic	75	24.8	25.18	25.02	**25**	0.1924	0.7697
Cadmium	111	24.62	25.05	25.33	**25**	0.3601	1.44
Cadmium	114	24.72	25.09	25.19	**25**	0.2456	0.9825
Chromium	52	24.35	25.05	25.59	**25**	0.6213	2.485
Chromium	53	24.5	25.01	25.49	**25**	0.498	1.992
Molybdenum	95	24.62	25.2	25.18	**25**	0.3273	1.309
Molybdenum	97	24.42	25.46	25.12	**25**	0.53	2.12
Molybdenum	98	24.49	25.14	25.37	**25**	0.4569	1.828
Selenium	77	24.68	25.08	25.24	**25**	0.2843	1.137
Selenium	78	24.43	25.32	25.25	**25**	0.4947	1.979
Selenium	82	25.38	24.66	24.96	**25**	0.3591	1.437

Internal Standard Factors:

Scandium	45	0.991	0.938	0.937	**0.991**	n/a	n/a
Rhodium	103	0.971	0.931	0.921	**0.971**	n/a	n/a
Indium	115	0.966	0.929	0.917	**0.966**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		ICV1			Mean	SD	%RSD
TimeStamp		11/22/10 16:30					
Arsenic	75	25.31	25.4	25.14	**25.28**	0.1313	0.5193
Cadmium	111	13.11	12.98	12.77	**12.95**	0.1689	1.304
Cadmium	114	12.91	13	12.59	**12.83**	0.2177	1.697
Chromium	52	10.33	10.21	10.22	**10.26**	0.0668	0.6511
Chromium	53	10.12	9.953	10.14	**10.07**	0.103	1.023
Molybdenum	95	25.57	25.82	25.42	**25.61**	0.2038	0.7959
Molybdenum	97	25.84	25.97	25.72	**25.84**	0.1248	0.4829
Molybdenum	98	25.78	25.75	25.41	**25.65**	0.206	0.8032
Selenium	77	25.47	25.32	25.29	**25.36**	0.0943	0.3719
Selenium	78	25.21	24.94	25.26	**25.14**	0.1743	0.6933
Selenium	82	25.39	24.94	25.91	**25.41**	0.4853	1.91

Internal Standard Factors:

Scandium	45	0.98	0.94	0.925	**0.98**	n/a	n/a
Rhodium	103	0.967	0.941	0.914	**0.967**	n/a	n/a
Indium	115	0.979	0.944	0.91	**0.979**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		CCV1			Mean	SD	%RSD
TimeStamp		11/22/10 16:32					
Arsenic	75	24.46	24.75	24.36	**24.52**	0.207	0.844
Cadmium	111	24.49	25.27	25.19	**24.98**	0.4272	1.71
Cadmium	114	24.43	24.77	24.86	**24.69**	0.2269	0.919
Chromium	52	24.26	25.23	24.43	**24.64**	0.5195	2.108
Chromium	53	24.31	25.09	24.21	**24.53**	0.4852	1.977
Molybdenum	95	24.88	25.5	24.78	**25.06**	0.3922	1.565
Molybdenum	97	24.52	25.63	25.01	**25.05**	0.5518	2.203
Molybdenum	98	24.55	25.21	24.58	**24.78**	0.3755	1.515
Selenium	77	24.27	24.96	24.72	**24.65**	0.3526	1.431
Selenium	78	24.22	24.81	24.52	**24.52**	0.2964	1.209
Selenium	82	24.39	24.64	24.3	**24.44**	0.1786	0.7308

Internal Standard Factors:

Scandium	45	0.971	0.933	0.906	**0.971**	n/a	n/a
Rhodium	103	0.967	0.937	0.923	**0.967**	n/a	n/a
Indium	115	0.965	0.926	0.918	**0.965**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		ICB1			Mean	SD	%RSD
TimeStamp		11/22/10 16:35					
Arsenic	75	-0.0276	-0.0938	-0.084	**-0.0685**	0.0357	52.17
Cadmium	111	0.0022	0.0023	0.0033	**0.0026**	0.0006	23.99
Cadmium	114	0.005	0.0055	0.0026	**0.0044**	0.0016	35.46
Chromium	52	-0.0054	-0.0232	0.0267	**-0.0006**	0.0253	3922
Chromium	53	-0.3181	-0.372	-0.3482	**-0.3461**	0.027	7.803
Molybdenum	95	0.1784	0.1362	0.1019	**0.1388**	0.0383	27.57
Molybdenum	97	0.1576	0.1103	0.0895	**0.1191**	0.0349	29.28
Molybdenum	98	0.1655	0.1285	0.1014	**0.1318**	0.0322	24.43
Selenium	77	-0.0295	-0.0702	0.1098	**0.0034**	0.0944	2818
Selenium	78	-0.3094	-0.3811	-0.0387	**-0.2431**	0.1806	74.29
Selenium	82	-0.1401	-0.402	-0.1949	**-0.2456**	0.1382	56.25

Internal Standard Factors:

Scandium	45	0.956	0.89	0.914	**0.956**	n/a	n/a
Rhodium	103	0.987	0.924	0.94	**0.987**	n/a	n/a
Indium	115	0.985	0.929	0.929	**0.985**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		CCB1			Mean	SD	%RSD
TimeStamp		11/22/10 16:38					
Arsenic	75	0.0352	-0.0722	-0.0361	**-0.0243**	0.0546	224.6
Cadmium	111	0.0017	0	0.0034	**0.0017**	0.0017	100.6
Cadmium	114	0.0033	0.0044	0.0006	**0.0028**	0.002	72.25
Chromium	52	-0.0132	0.0207	0.026	**0.0112**	0.0213	190.2
Chromium	53	-0.4139	-0.4785	-0.4786	**-0.457**	0.0373	8.162
Molybdenum	95	0.0417	0.0417	0.0286	**0.0373**	0.0076	20.25
Molybdenum	97	0.0319	0.0309	0.0367	**0.0332**	0.0031	9.359
Molybdenum	98	0.0392	0.0334	0.0277	**0.0334**	0.0058	17.23
Selenium	77	-0.0345	0.0593	-0.1242	**-0.0331**	0.0918	277.1
Selenium	78	0.065	-0.1567	-0.1887	**-0.0935**	0.1381	147.8
Selenium	82	0.1171	-0.1892	-0.1857	**-0.0859**	0.1758	204.6

Internal Standard Factors:

Scandium	45	0.941	0.908	0.9	**0.941**	n/a	n/a
Rhodium	103	0.979	0.956	0.932	**0.979**	n/a	n/a
Indium	115	0.991	0.945	0.935	**0.991**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		SOIL CRA			Mean	SD	%RSD
TimeStamp		11/22/10 16:40					
Arsenic	75	0.4289	0.3935	0.516	**0.4462**	0.0631	14.13
Cadmium	111	0.0187	0.0225	0.0213	**0.0208**	0.002	9.446
Cadmium	114	0.0245	0.0232	0.0216	**0.0231**	0.0015	6.413
Chromium	52	0.2198	0.2475	0.2488	**0.2387**	0.0164	6.867
Chromium	53	-0.2679	-0.273	-0.3375	**-0.2928**	0.0388	13.26
Molybdenum	95	0.0677	0.056	0.0594	**0.061**	0.006	9.88
Molybdenum	97	0.0737	0.0527	0.0689	**0.0651**	0.011	16.92
Molybdenum	98	0.0708	0.0653	0.0603	**0.0655**	0.0053	8.029
Selenium	77	0.8334	1.072	0.7782	**0.8946**	0.1562	17.46
Selenium	78	0.9176	1.062	0.6726	**0.884**	0.1968	22.26
Selenium	82	0.6378	0.6523	0.8399	**0.71**	0.1127	15.88

Internal Standard Factors:

Scandium	45	0.945	0.928	0.896	**0.945**	n/a	n/a
Rhodium	103	0.983	0.959	0.929	**0.983**	n/a	n/a
Indium	115	0.985	0.955	0.927	**0.985**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		ICSA			Mean	SD	%RSD
TimeStamp		11/22/10 16:43					
Arsenic	75	-0.0922	0.0552	-0.0027	**-0.0133**	0.0742	560.3
Cadmium	111	0.4185	0.4225	0.4034	**0.4148**	0.0101	2.432
Cadmium	114	0.3629	0.3596	0.3475	**0.3567**	0.0081	2.267
Chromium	52	0.672	0.6939	0.7011	**0.689**	0.0151	2.195
Chromium	53	4.386	4.303	4.12	**4.269**	0.1359	3.183
Molybdenum	95	53.33	52.91	52.64	**52.96**	0.3461	0.6535
Molybdenum	97	53.3	53.23	53.68	**53.4**	0.2395	0.4486
Molybdenum	98	53.1	53.77	53.99	**53.62**	0.4639	0.8652
Selenium	77	4.138	3.673	3.839	**3.883**	0.2356	6.067
Selenium	78	0.119	0.2298	-0.058	**0.0969**	0.1451	149.7
Selenium	82	-0.1576	0.02	0.0303	**-0.0357**	0.1056	295.6

Internal Standard Factors:

Scandium	45	1.129	1.125	1.15	**1.129**	n/a	n/a
Rhodium	103	1.216	1.2	1.211	**1.216**	n/a	n/a
Indium	115	1.179	1.172	1.17	**1.179**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		ICSAB			Mean	SD	%RSD
TimeStamp		11/22/10 16:45					
Arsenic	75	25.57	26.23	25.73	**25.84**	0.3457	1.338
Cadmium	111	25.34	25.76	25.73	**25.61**	0.2329	0.9096
Cadmium	114	25.21	24.91	25.41	**25.18**	0.2545	1.011
Chromium	52	51.37	52.22	52.13	**51.91**	0.4637	0.8934
Chromium	53	55.57	55.84	55.71	**55.71**	0.135	0.2424
Molybdenum	95	53.71	53.35	52.58	**53.21**	0.578	1.086
Molybdenum	97	52.35	53.09	52.85	**52.76**	0.3786	0.7177
Molybdenum	98	54.13	53.46	52.39	**53.33**	0.8765	1.644
Selenium	77	30.59	28.68	29.59	**29.62**	0.9537	3.22
Selenium	78	25.68	25.02	25.17	**25.29**	0.3484	1.378
Selenium	82	24.9	24.72	24.62	**24.75**	0.1426	0.5761

Internal Standard Factors:

Scandium	45	1.191	1.173	1.187	**1.191**	n/a	n/a
Rhodium	103	1.236	1.218	1.218	**1.236**	n/a	n/a
Indium	115	1.186	1.166	1.172	**1.186**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-MB 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 16:48					
Arsenic	75	-0.0192	-0.0914	0.0049	**-0.0352**	0.0501	142.2
Cadmium	111	0.0099	0.0071	0.0111	**0.0093**	0.002	21.7
Cadmium	114	0.2442	0.229	0.2459	**0.2397**	0.0093	3.889
Chromium	52	0.1837	0.1731	0.145	**0.1673**	0.02	11.96
Chromium	53	-0.5705	-0.6008	-0.6096	**-0.5937**	0.0205	3.46
Molybdenum	95	0.3583	0.2403	0.1831	**0.2606**	0.0893	34.29
Molybdenum	97	0.3344	0.2338	0.1576	**0.2419**	0.0887	36.65
Molybdenum	98	0.3754	0.2275	0.1797	**0.2609**	0.102	39.11
Selenium	77	-0.0388	-0.1238	-0.0381	**-0.0669**	0.0493	73.67
Selenium	78	-0.0206	-0.4917	-0.5588	**-0.357**	0.2933	82.14
Selenium	82	-0.0808	-0.4038	0.0322	**-0.1508**	0.2263	150.1

Internal Standard Factors:

Scandium	45	1.031	0.961	0.938	**1.031**	n/a	n/a
Rhodium	103	1.062	1.008	0.987	**1.062**	n/a	n/a
Indium	115	1.063	1.014	0.996	**1.063**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		LCSS K1012914 1/100			Mean	SD	%RSD
TimeStamp		11/22/10 16:50					
Arsenic	75	9.094	8.803	9.001	**8.966**	0.149	1.661
Cadmium	111	9.644	9.497	9.659	**9.6**	0.0893	0.9298
Cadmium	114	9.476	9.583	9.617	**9.559**	0.074	0.7739
Chromium	52	14.36	14.51	14.47	**14.44**	0.0792	0.5485
Chromium	53	13.57	13.59	13.99	**13.72**	0.2377	1.733
Molybdenum	95	5.951	5.952	6.033	**5.979**	0.0472	0.7886
Molybdenum	97	5.885	5.895	5.89	**5.89**	0.0052	0.0881
Molybdenum	98	5.897	5.905	5.853	**5.885**	0.0281	0.4768
Selenium	77	19.72	20.07	19.61	**19.8**	0.2415	1.219
Selenium	78	19.14	19.21	19.4	**19.25**	0.1305	0.6781
Selenium	82	20.37	19.57	19.95	**19.96**	0.398	1.993

Internal Standard Factors:

Scandium	45	0.991	0.944	0.938	**0.991**	n/a	n/a
Rhodium	103	1.016	0.975	0.969	**1.016**	n/a	n/a
Indium	115	1.017	0.972	0.961	**1.017**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-001 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 16:53					
Arsenic	75	1.47	1.61	1.634	**1.572**	0.0891	5.669
Cadmium	111	0.0416	0.0549	0.0529	**0.0498**	0.0072	14.45
Cadmium	114	0.0813	0.09	0.0863	**0.0859**	0.0044	5.136
Chromium	52	3.898	3.9	3.916	**3.904**	0.0098	0.2517
Chromium	53	3.255	3.145	3.221	**3.207**	0.0565	1.763
Molybdenum	95	0.3825	0.3703	0.3272	**0.36**	0.0291	8.072
Molybdenum	97	0.3868	0.3566	0.3473	**0.3636**	0.0207	5.684
Molybdenum	98	0.3773	0.367	0.3604	**0.3682**	0.0085	2.322
Selenium	77	1.46	1.104	1.068	**1.211**	0.2166	17.89
Selenium	78	-0.219	-0.0453	-0.1211	**-0.1284**	0.0871	67.8
Selenium	82	-0.0996	0.0077	0.0849	**-0.0023**	0.0927	3946

Internal Standard Factors:

Scandium	45	0.973	0.934	0.914	**0.973**	n/a	n/a
Rhodium	103	1.025	0.997	0.988	**1.025**	n/a	n/a
Indium	115	1.026	0.997	0.977	**1.026**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-001 1/5D			Mean	SD	%RSD
TimeStamp		11/22/10 16:56					
Arsenic	75	1.7	1.727	1.775	**1.734**	0.0376	2.17
Cadmium	111	0.048	0.0521	0.0434	**0.0478**	0.0043	9.064
Cadmium	114	0.0871	0.0808	0.0948	**0.0876**	0.007	8.039
Chromium	52	4.265	4.344	4.352	**4.32**	0.0485	1.122
Chromium	53	3.739	3.659	3.648	**3.682**	0.0495	1.344
Molybdenum	95	0.2553	0.2696	0.2733	**0.2661**	0.0095	3.57
Molybdenum	97	0.28	0.2636	0.2556	**0.2664**	0.0125	4.672
Molybdenum	98	0.2674	0.2785	0.2606	**0.2688**	0.009	3.352
Selenium	77	1.741	1.573	1.642	**1.652**	0.0848	5.133
Selenium	78	-0.3117	-0.2093	0.0226	**-0.1661**	0.1713	103.1
Selenium	82	0.4486	0.542	0.498	**0.4962**	0.0467	9.411

Internal Standard Factors:

Scandium	45	0.933	0.897	0.887	**0.933**	n/a	n/a
Rhodium	103	1.022	0.984	0.982	**1.022**	n/a	n/a
Indium	115	1.027	0.983	0.97	**1.027**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-001 1/25L			Mean	SD	%RSD
TimeStamp		11/22/10 16:58					
Arsenic	75	0.26	0.275	0.3266	**0.2872**	0.0349	12.16
Cadmium	111	0.0099	0.0127	0.0132	**0.0119**	0.0018	15.04
Cadmium	114	0.019	0.0137	0.0184	**0.017**	0.0029	16.84
Chromium	52	0.8597	0.8281	0.8383	**0.842**	0.0162	1.918
Chromium	53	0.2736	0.2222	0.2007	**0.2322**	0.0375	16.14
Molybdenum	95	0.064	0.0571	0.0676	**0.0629**	0.0053	8.439
Molybdenum	97	0.06	0.0576	0.0498	**0.0558**	0.0053	9.567
Molybdenum	98	0.0604	0.0649	0.0689	**0.0647**	0.0043	6.587
Selenium	77	0.3615	0.2208	0.1043	**0.2289**	0.1288	56.25
Selenium	78	-0.0167	-0.4088	-0.4397	**-0.2884**	0.2358	81.75
Selenium	82	-0.1473	-0.1774	-0.069	**-0.1312**	0.056	42.67

Internal Standard Factors:

Scandium	45	0.98	0.93	0.926	**0.98**	n/a	n/a
Rhodium	103	1.016	0.975	0.961	**1.016**	n/a	n/a
Indium	115	1.025	0.965	0.969	**1.025**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-001 1/5 +50A			Mean	SD	%RSD
TimeStamp		11/22/10 17:01					
Arsenic	75	48.81	48.63	47.77	**48.4**	0.5573	1.151
Cadmium	111	48.26	48.82	48.81	**48.63**	0.3171	0.6521
Cadmium	114	49.32	48.71	49.86	**49.3**	0.5742	1.165
Chromium	52	55.95	52.41	52.69	**53.69**	1.969	3.667
Chromium	53	52.66	52.64	52.6	**52.64**	0.0297	0.0564
Molybdenum	95	50.5	50.19	49.79	**50.16**	0.3579	0.7135
Molybdenum	97	49.82	50.02	49.99	**49.94**	0.1078	0.2158
Molybdenum	98	50.52	50.01	49.91	**50.14**	0.3276	0.6534
Selenium	77	47.88	46.81	47.13	**47.27**	0.551	1.165
Selenium	78	46.16	46.49	45.68	**46.11**	0.4073	0.8834
Selenium	82	46.64	46.1	44.94	**45.89**	0.8715	1.899

Internal Standard Factors:

Scandium	45	0.959	0.915	0.901	**0.959**	n/a	n/a
Rhodium	103	1.008	0.955	0.95	**1.008**	n/a	n/a
Indium	115	0.985	0.947	0.948	**0.985**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-001 1/25S			Mean	SD	%RSD
TimeStamp		11/22/10 17:03					
Arsenic	75	41.64	41.72	40.23	**41.2**	0.8424	2.045
Cadmium	111	4.307	4.44	4.356	**4.367**	0.067	1.534
Cadmium	114	4.241	4.362	4.274	**4.292**	0.0627	1.46
Chromium	52	17.16	17.27	16.97	**17.13**	0.1499	0.8749
Chromium	53	16.8	16.59	16.64	**16.68**	0.1082	0.6489
Molybdenum	95	39.57	39.77	39.79	**39.71**	0.1172	0.2951
Molybdenum	97	39.88	40.1	39.72	**39.9**	0.1917	0.4804
Molybdenum	98	39.46	39.77	39.49	**39.58**	0.1685	0.4259
Selenium	77	41.71	42.9	43.45	**42.69**	0.8898	2.085
Selenium	78	41.87	42.65	41.49	**42.01**	0.5916	1.408
Selenium	82	41.95	42.36	40.67	**41.66**	0.8801	2.113

Internal Standard Factors:

Scandium	45	0.997	0.957	0.933	**0.997**	n/a	n/a
Rhodium	103	1.009	0.98	0.96	**1.009**	n/a	n/a
Indium	115	1.003	0.978	0.969	**1.003**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-002 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:06					
Arsenic	75	1.698	1.556	1.684	**1.646**	0.0784	4.762
Cadmium	111	0.0679	0.0734	0.0743	**0.0719**	0.0035	4.825
Cadmium	114	0.1197	0.103	0.1046	**0.1091**	0.0092	8.478
Chromium	52	5.34	5.165	5.069	**5.191**	0.1376	2.652
Chromium	53	4.303	4.152	3.905	**4.12**	0.2009	4.876
Molybdenum	95	0.9779	0.7948	0.6599	**0.8109**	0.1596	19.68
Molybdenum	97	1.018	0.7383	0.6649	**0.8069**	0.186	23.05
Molybdenum	98	0.9831	0.7659	0.6825	**0.8105**	0.1552	19.15
Selenium	77	1.262	1.377	1.314	**1.318**	0.0573	4.35
Selenium	78	0.7843	0.798	0.8545	**0.8123**	0.0372	4.582
Selenium	82	0.3376	0.1195	0.34	**0.2657**	0.1266	47.65

Internal Standard Factors:

Scandium	45	0.896	0.869	0.862	**0.896**	n/a	n/a
Rhodium	103	1.052	1.011	1	**1.052**	n/a	n/a
Indium	115	1.036	1.004	0.996	**1.036**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-009 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:09					
Arsenic	75	3.294	3.486	3.326	**3.369**	0.1033	3.065
Cadmium	111	0.0832	0.0754	0.0729	**0.0771**	0.0054	6.997
Cadmium	114	0.1311	0.1285	0.123	**0.1275**	0.0041	3.219
Chromium	52	6.113	6.198	6.19	**6.167**	0.0468	0.759
Chromium	53	4.877	4.989	5.051	**4.972**	0.0881	1.771
Molybdenum	95	0.6783	0.6598	0.6559	**0.6647**	0.012	1.799
Molybdenum	97	0.6784	0.6771	0.6164	**0.6573**	0.0355	5.395
Molybdenum	98	0.6603	0.644	0.6357	**0.6467**	0.0125	1.93
Selenium	77	1.502	1.206	1.509	**1.406**	0.1731	12.31
Selenium	78	0.6478	0.6776	0.7753	**0.7002**	0.0667	9.53
Selenium	82	0.115	0.1147	0.1082	**0.1126**	0.0039	3.441

Internal Standard Factors:

Scandium	45	0.9	0.882	0.872	**0.9**	n/a	n/a
Rhodium	103	1.037	1.004	0.984	**1.037**	n/a	n/a
Indium	115	1.025	0.995	0.967	**1.025**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-010 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:11					
Arsenic	75	2.42	2.432	2.392	**2.415**	0.0204	0.8461
Cadmium	111	0.0513	0.0509	0.0452	**0.0491**	0.0034	6.991
Cadmium	114	0.1104	0.1222	0.1252	**0.1193**	0.0079	6.584
Chromium	52	3.86	3.838	3.844	**3.848**	0.0115	0.2988
Chromium	53	2.711	2.623	2.703	**2.679**	0.0489	1.824
Molybdenum	95	0.3033	0.3036	0.3054	**0.3041**	0.0011	0.3693
Molybdenum	97	0.2939	0.3017	0.273	**0.2895**	0.0148	5.118
Molybdenum	98	0.2826	0.287	0.286	**0.2852**	0.0023	0.8074
Selenium	77	0.7489	0.74	0.9905	**0.8265**	0.1422	17.2
Selenium	78	0.8023	0.5058	0.3801	**0.5627**	0.2168	38.53
Selenium	82	0.1847	0.1276	0.086	**0.1327**	0.0496	37.33

Internal Standard Factors:

Scandium	45	0.901	0.859	0.852	**0.901**	n/a	n/a
Rhodium	103	1.008	0.971	0.964	**1.008**	n/a	n/a
Indium	115	1.006	0.972	0.97	**1.006**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		CCV2			Mean	SD	%RSD
TimeStamp		11/22/10 17:14					
Arsenic	75	24.01	23.69	24.65	**24.12**	0.4886	2.026
Cadmium	111	24.23	24.33	24.67	**24.41**	0.2326	0.953
Cadmium	114	23.82	24.17	24.63	**24.21**	0.4082	1.687
Chromium	52	24.17	24.33	24.56	**24.35**	0.1966	0.8072
Chromium	53	23.27	23.64	23.59	**23.5**	0.1981	0.843
Molybdenum	95	23.97	24.34	24.31	**24.2**	0.2023	0.836
Molybdenum	97	24.13	24.42	24.48	**24.34**	0.185	0.76
Molybdenum	98	24.1	24.27	24.12	**24.16**	0.0958	0.3963
Selenium	77	22.86	24.77	23.61	**23.75**	0.9625	4.053
Selenium	78	23.37	24.23	24.17	**23.92**	0.4849	2.027
Selenium	82	23.06	23.8	24.01	**23.62**	0.5018	2.124

Internal Standard Factors:

Scandium	45	0.9	0.886	0.88	**0.9**	n/a	n/a
Rhodium	103	0.941	0.929	0.903	**0.941**	n/a	n/a
Indium	115	0.945	0.934	0.915	**0.945**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		CCB2			Mean	SD	%RSD
TimeStamp		11/22/10 17:16					
Arsenic	75	-0.1408	-0.0255	-0.1172	**-0.0945**	0.0609	64.43
Cadmium	111	0.0017	0.0015	0.004	**0.0024**	0.0014	56.76
Cadmium	114	0.0069	0.0035	0.0024	**0.0043**	0.0024	56.09
Chromium	52	0.0284	0.0435	0.02	**0.0306**	0.0119	38.97
Chromium	53	-1.012	-1.04	-1.033	**-1.028**	0.0141	1.375
Molybdenum	95	0.1515	0.1037	0.0713	**0.1088**	0.0404	37.09
Molybdenum	97	0.1585	0.0937	0.0893	**0.1138**	0.0388	34.04
Molybdenum	98	0.1442	0.0961	0.0713	**0.1039**	0.037	35.67
Selenium	77	-0.0779	-0.0874	-0.1428	**-0.1027**	0.0351	34.13
Selenium	78	0.1529	0.2192	-0.0603	**0.1039**	0.146	140.5
Selenium	82	-0.5224	-0.0765	-0.4702	**-0.3564**	0.2438	68.41

Internal Standard Factors:

Scandium	45	0.945	0.896	0.879	**0.945**	n/a	n/a
Rhodium	103	0.981	0.956	0.938	**0.981**	n/a	n/a
Indium	115	0.998	0.956	0.954	**0.998**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-016 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:19					
Arsenic	75	4.013	3.992	3.846	**3.95**	0.091	2.304
Cadmium	111	0.2454	0.2204	0.2219	**0.2292**	0.014	6.114
Cadmium	114	0.2469	0.2429	0.2501	**0.2466**	0.0036	1.467
Chromium	52	16.31	16.27	15.8	**16.12**	0.2859	1.773
Chromium	53	15.09	15.2	14.83	**15.04**	0.1902	1.265
Molybdenum	95	1.239	1.203	1.173	**1.205**	0.0328	2.726
Molybdenum	97	1.198	1.243	1.223	**1.221**	0.0221	1.812
Molybdenum	98	1.246	1.201	1.158	**1.202**	0.044	3.663
Selenium	77	2.148	2.338	2.067	**2.184**	0.1391	6.368
Selenium	78	1.478	1.548	1.192	**1.406**	0.1886	13.41
Selenium	82	0.7733	0.563	0.9476	**0.7613**	0.1926	25.3

Internal Standard Factors:

Scandium	45	0.911	0.917	0.915	**0.911**	n/a	n/a
Rhodium	103	1.175	1.17	1.17	**1.175**	n/a	n/a
Indium	115	1.119	1.113	1.111	**1.119**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-017 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:22					
Arsenic	75	4.1	4.3	4.359	**4.253**	0.1358	3.193
Cadmium	111	0.2555	0.2363	0.2271	**0.2396**	0.0145	6.043
Cadmium	114	0.2344	0.2549	0.2448	**0.2447**	0.0103	4.194
Chromium	52	13.31	13.48	13.34	**13.37**	0.0904	0.6761
Chromium	53	12.12	12.25	11.95	**12.11**	0.1541	1.273
Molybdenum	95	1.143	1.117	1.1	**1.12**	0.022	1.963
Molybdenum	97	1.131	1.155	1.119	**1.135**	0.018	1.584
Molybdenum	98	1.123	1.156	1.096	**1.125**	0.0302	2.681
Selenium	77	2.08	2.134	1.98	**2.065**	0.0779	3.772
Selenium	78	0.9115	0.9451	1.084	**0.9802**	0.0914	9.324
Selenium	82	0.2159	0.8857	0.4546	**0.5187**	0.3395	65.44

Internal Standard Factors:

Scandium	45	0.943	0.93	0.917	**0.943**	n/a	n/a
Rhodium	103	1.17	1.138	1.129	**1.17**	n/a	n/a
Indium	115	1.122	1.096	1.088	**1.122**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-018 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:24					
Arsenic	75	4.215	4.2	4.216	**4.21**	0.0092	0.2185
Cadmium	111	0.3527	0.321	0.3194	**0.331**	0.0188	5.673
Cadmium	114	0.3778	0.3438	0.3389	**0.3535**	0.0212	5.991
Chromium	52	16.37	15.58	15.22	**15.72**	0.586	3.727
Chromium	53	15.38	14.7	14.03	**14.71**	0.6769	4.603
Molybdenum	95	1.448	1.396	1.339	**1.394**	0.0547	3.926
Molybdenum	97	1.451	1.417	1.278	**1.382**	0.0918	6.645
Molybdenum	98	1.407	1.372	1.328	**1.369**	0.0396	2.891
Selenium	77	3.119	2.605	2.321	**2.682**	0.4047	15.09
Selenium	78	1.263	0.9275	1.104	**1.098**	0.168	15.29
Selenium	82	0.6578	0.6315	0.8555	**0.7149**	0.1224	17.12

Internal Standard Factors:

Scandium	45	0.957	0.926	0.91	**0.957**	n/a	n/a
Rhodium	103	1.21	1.166	1.162	**1.21**	n/a	n/a
Indium	115	1.168	1.121	1.124	**1.168**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-019 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:27					
Arsenic	75	3.382	3.444	3.412	**3.413**	0.0311	0.9109
Cadmium	111	0.2445	0.2411	0.2602	**0.2486**	0.0102	4.097
Cadmium	114	0.2594	0.257	0.2518	**0.256**	0.0039	1.526
Chromium	52	12.4	12.36	12.31	**12.36**	0.0445	0.3599
Chromium	53	11.01	11.32	11.14	**11.16**	0.1561	1.4
Molybdenum	95	1.126	1.114	1.125	**1.122**	0.0071	0.6321
Molybdenum	97	1.108	1.08	1.056	**1.081**	0.026	2.407
Molybdenum	98	1.088	1.083	1.067	**1.079**	0.011	1.021
Selenium	77	2.058	1.783	2.047	**1.963**	0.1558	7.939
Selenium	78	1.324	0.7459	1.023	**1.031**	0.2889	28.03
Selenium	82	0.5295	0.6942	0.6205	**0.6147**	0.0826	13.43

Internal Standard Factors:

Scandium	45	0.95	0.906	0.899	**0.95**	n/a	n/a
Rhodium	103	1.165	1.11	1.119	**1.165**	n/a	n/a
Indium	115	1.127	1.091	1.084	**1.127**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-MB 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:29					
Arsenic	75	-0.0768	-0.132	-0.0855	**-0.0981**	0.0297	30.26
Cadmium	111	0.0039	0.0042	0.007	**0.005**	0.0017	33.93
Cadmium	114	0.2477	0.2292	0.2467	**0.2412**	0.0104	4.315
Chromium	52	0.2725	0.2366	0.2745	**0.2612**	0.0214	8.181
Chromium	53	-0.9655	-1.018	-0.9811	**-0.9884**	0.0272	2.755
Molybdenum	95	0.0336	0.0362	0.0405	**0.0368**	0.0035	9.506
Molybdenum	97	0.0378	0.0362	0.0335	**0.0358**	0.0022	6.154
Molybdenum	98	0.0455	0.044	0.0324	**0.0406**	0.0072	17.67
Selenium	77	-0.0049	-0.0502	-0.0165	**-0.0239**	0.0235	98.52
Selenium	78	0.215	0.2396	0.4424	**0.299**	0.1248	41.75
Selenium	82	-0.201	-0.4412	-0.2339	**-0.292**	0.1302	44.6

Internal Standard Factors:

Scandium	45	0.939	0.885	0.881	**0.939**	n/a	n/a
Rhodium	103	1.009	0.974	0.959	**1.009**	n/a	n/a
Indium	115	1.017	0.974	0.953	**1.017**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		LCSW K1012914 1/25			Mean	SD	%RSD
TimeStamp		11/22/10 17:32					
Arsenic	75	42.23	42.1	42.64	**42.32**	0.2839	0.6708
Cadmium	111	4.327	4.316	4.42	**4.354**	0.0569	1.307
Cadmium	114	4.358	4.408	4.396	**4.387**	0.0259	0.59
Chromium	52	16.97	16.69	17.17	**16.94**	0.2445	1.443
Chromium	53	15.79	15.52	16.03	**15.78**	0.2556	1.62
Molybdenum	95	42.64	41.78	42.4	**42.27**	0.4464	1.056
Molybdenum	97	42.35	42.64	42.38	**42.46**	0.1553	0.3658
Molybdenum	98	42.26	41.82	42.31	**42.13**	0.2669	0.6334
Selenium	77	44.34	44.23	43.44	**44.01**	0.4949	1.125
Selenium	78	43.89	42.99	43.44	**43.44**	0.4505	1.037
Selenium	82	43.42	42.84	43.02	**43.09**	0.2964	0.6879

Internal Standard Factors:

Scandium	45	0.982	0.918	0.937	**0.982**	n/a	n/a
Rhodium	103	0.995	0.948	0.943	**0.995**	n/a	n/a
Indium	115	0.991	0.947	0.945	**0.991**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		LCSW K1012914 1/25D			Mean	SD	%RSD
TimeStamp		11/22/10 17:35					
Arsenic	75	41.86	41.47	41.41	**41.58**	0.2443	0.5875
Cadmium	111	4.279	4.354	4.245	**4.292**	0.0558	1.301
Cadmium	114	4.358	4.299	4.26	**4.306**	0.0495	1.148
Chromium	52	16.5	16.32	16.72	**16.51**	0.2012	1.218
Chromium	53	15.4	15.39	15.28	**15.36**	0.0698	0.4544
Molybdenum	95	40.8	40.77	41.17	**40.91**	0.2222	0.5431
Molybdenum	97	40.78	41.02	41.1	**40.97**	0.1682	0.4106
Molybdenum	98	40.62	40.82	41.06	**40.83**	0.2161	0.5291
Selenium	77	44.1	42.52	42.58	**43.06**	0.8967	2.082
Selenium	78	43.11	42.11	43.16	**42.79**	0.5957	1.392
Selenium	82	43	42.94	42.15	**42.7**	0.4752	1.113

Internal Standard Factors:

Scandium	45	0.985	0.93	0.93	**0.985**	n/a	n/a
Rhodium	103	0.998	0.959	0.945	**0.998**	n/a	n/a
Indium	115	0.996	0.956	0.93	**0.996**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-029 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:37					
Arsenic	75	0.1498	0.1178	0.1658	**0.1444**	0.0245	16.95
Cadmium	111	0.0066	0.007	0.0065	**0.0067**	0.0003	4.013
Cadmium	114	0.2408	0.235	0.2309	**0.2356**	0.0049	2.095
Chromium	52	5.203	5.194	5.22	**5.206**	0.0133	0.2558
Chromium	53	3.232	3.205	3.338	**3.258**	0.0703	2.159
Molybdenum	95	0.5919	0.4286	0.3547	**0.4584**	0.1214	26.48
Molybdenum	97	0.6139	0.4202	0.3735	**0.4692**	0.1275	27.17
Molybdenum	98	0.6	0.4265	0.332	**0.4528**	0.1359	30.02
Selenium	77	-0.098	-0.0246	-0.1349	**-0.0859**	0.0561	65.38
Selenium	78	-0.3274	-0.2215	0.0612	**-0.1626**	0.2009	123.6
Selenium	82	-0.2735	-0.3177	-0.2532	**-0.2815**	0.033	11.71

Internal Standard Factors:

Scandium	45	0.959	0.907	0.903	**0.959**	n/a	n/a
Rhodium	103	1.008	0.967	0.957	**1.008**	n/a	n/a
Indium	115	1.013	0.949	0.956	**1.013**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-029 1/25L			Mean	SD	%RSD
TimeStamp		11/22/10 17:40					
Arsenic	75	-0.0058	0.0607	0.0043	**0.0198**	0.0358	181.4
Cadmium	111	0.0028	0.0035	0.0024	**0.0029**	0.0005	18.78
Cadmium	114	0.0456	0.0492	0.0453	**0.0467**	0.0022	4.621
Chromium	52	1.148	1.176	1.187	**1.17**	0.02	1.709
Chromium	53	0.0381	0.2336	0.2701	**0.1806**	0.1248	69.09
Molybdenum	95	0.0563	0.059	0.0538	**0.0564**	0.0026	4.56
Molybdenum	97	0.1079	0.053	0.044	**0.0683**	0.0346	50.66
Molybdenum	98	0.0836	0.0505	0.0612	**0.0651**	0.0169	25.94
Selenium	77	-0.1776	-0.1131	-0.1457	**-0.1455**	0.0323	22.17
Selenium	78	-0.0164	-0.0209	-0.0838	**-0.0404**	0.0377	93.28
Selenium	82	-0.2218	0.0256	-0.1706	**-0.1223**	0.1306	106.8

Internal Standard Factors:

Scandium	45	0.955	0.912	0.892	**0.955**	n/a	n/a
Rhodium	103	1	0.943	0.945	**1**	n/a	n/a
Indium	115	0.995	0.952	0.934	**0.995**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-029 1/5 +50A			Mean	SD	%RSD
TimeStamp		11/22/10 17:42					
Arsenic	75	48.07	47.98	48.26	**48.1**	0.1424	0.296
Cadmium	111	49.62	49.8	49.49	**49.64**	0.1577	0.3178
Cadmium	114	50.88	51.09	49.98	**50.65**	0.59	1.165
Chromium	52	54.36	54.01	55.11	**54.49**	0.562	1.031
Chromium	53	53.3	52.59	54.12	**53.34**	0.767	1.438
Molybdenum	95	49.52	49.76	49.57	**49.62**	0.1269	0.2558
Molybdenum	97	49.69	49.76	49.25	**49.57**	0.2773	0.5593
Molybdenum	98	48.99	49.79	49.66	**49.48**	0.4315	0.872
Selenium	77	47.7	49.04	49.01	**48.58**	0.7675	1.58
Selenium	78	47.96	47.67	48.21	**47.95**	0.2696	0.5622
Selenium	82	47.14	47.49	47.83	**47.49**	0.3413	0.7188

Internal Standard Factors:

Scandium	45	0.939	0.893	0.906	**0.939**	n/a	n/a
Rhodium	103	0.949	0.92	0.912	**0.949**	n/a	n/a
Indium	115	0.944	0.906	0.897	**0.944**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		CCV3			Mean	SD	%RSD
TimeStamp		11/22/10 17:45					
Arsenic	75	24.15	24.39	24.79	**24.44**	0.3245	1.327
Cadmium	111	24.93	24.61	25.67	**25.07**	0.5425	2.164
Cadmium	114	24.56	24.38	25.63	**24.86**	0.6802	2.736
Chromium	52	24.75	25.07	25.54	**25.12**	0.3954	1.574
Chromium	53	24.08	24.28	24.19	**24.18**	0.0988	0.4084
Molybdenum	95	24.31	24.45	24.93	**24.57**	0.3224	1.312
Molybdenum	97	24.06	24.63	25.66	**24.78**	0.8108	3.272
Molybdenum	98	24.11	24.36	24.97	**24.48**	0.4439	1.813
Selenium	77	23.64	23.82	24.89	**24.12**	0.6771	2.807
Selenium	78	23.91	24.59	24.86	**24.46**	0.4901	2.004
Selenium	82	24.4	24	25.15	**24.52**	0.5861	2.39

Internal Standard Factors:

Scandium	45	0.967	0.933	0.922	**0.967**	n/a	n/a
Rhodium	103	0.976	0.94	0.943	**0.976**	n/a	n/a
Indium	115	0.979	0.923	0.941	**0.979**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		CCB3			Mean	SD	%RSD
TimeStamp		11/22/10 17:48					
Arsenic	75	-0.0269	-0.0732	-0.0505	**-0.0502**	0.0232	46.16
Cadmium	111	0.0044	0.005	0.0059	**0.0051**	0.0008	15.09
Cadmium	114	0.0068	0.0077	0.0063	**0.0069**	0.0007	10.12
Chromium	52	-0.0077	0.0063	0.0198	**0.0061**	0.0138	224.3
Chromium	53	-0.9575	-0.9787	-1.013	**-0.983**	0.028	2.846
Molybdenum	95	0.1682	0.1058	0.0722	**0.1154**	0.0487	42.22
Molybdenum	97	0.1494	0.1001	0.0757	**0.1084**	0.0376	34.64
Molybdenum	98	0.1457	0.1073	0.0765	**0.1098**	0.0347	31.56
Selenium	77	-0.1711	-0.2396	-0.1856	**-0.1988**	0.0361	18.17
Selenium	78	-0.116	-0.2309	-0.3788	**-0.2419**	0.1317	54.47
Selenium	82	-0.133	-0.4314	-0.2485	**-0.271**	0.1505	55.54

Internal Standard Factors:

Scandium	45	0.969	0.911	0.904	**0.969**	n/a	n/a
Rhodium	103	1.003	0.96	0.945	**1.003**	n/a	n/a
Indium	115	1.001	0.951	0.944	**1.001**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-030 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:50					
Arsenic	75	0.172	0.177	0.1851	**0.178**	0.0066	3.707
Cadmium	111	0.0235	0.0286	0.0196	**0.0239**	0.0045	18.81
Cadmium	114	0.2509	0.2637	0.2522	**0.2556**	0.007	2.749
Chromium	52	4.061	4.199	4.12	**4.127**	0.0693	1.68
Chromium	53	2.417	2.338	2.21	**2.322**	0.1046	4.507
Molybdenum	95	0.1697	0.1696	0.1619	**0.1671**	0.0045	2.667
Molybdenum	97	0.1935	0.1812	0.1652	**0.1799**	0.0142	7.872
Molybdenum	98	0.1854	0.1865	0.1607	**0.1775**	0.0146	8.216
Selenium	77	-0.1514	-0.1597	-0.1136	**-0.1415**	0.0246	17.37
Selenium	78	0.0016	-0.032	-0.1152	**-0.0485**	0.0601	123.9
Selenium	82	-0.2783	-0.2127	-0.146	**-0.2124**	0.0662	31.15

Internal Standard Factors:

Scandium	45	0.935	0.928	0.886	**0.935**	n/a	n/a
Rhodium	103	0.988	0.977	0.951	**0.988**	n/a	n/a
Indium	115	0.992	0.969	0.932	**0.992**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012914-031 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:53					
Arsenic	75	0.2335	0.1466	0.1009	**0.1603**	0.0673	42
Cadmium	111	0.0031	0.003	0.0048	**0.0036**	0.001	27.79
Cadmium	114	0.2354	0.2485	0.2416	**0.2419**	0.0065	2.705
Chromium	52	1.359	1.447	1.407	**1.404**	0.0442	3.144
Chromium	53	-0.54	-0.576	-0.5973	**-0.5711**	0.029	5.073
Molybdenum	95	0.0644	0.0622	0.056	**0.0609**	0.0044	7.212
Molybdenum	97	0.0563	0.0543	0.0477	**0.0528**	0.0045	8.492
Molybdenum	98	0.0558	0.0735	0.0569	**0.0621**	0.0099	15.92
Selenium	77	-0.0664	-0.1426	-0.0459	**-0.085**	0.051	59.97
Selenium	78	-0.3747	-0.0342	-0.3367	**-0.2486**	0.1866	75.07
Selenium	82	0.1857	-0.2828	-0.3451	**-0.1474**	0.2902	196.9

Internal Standard Factors:

Scandium	45	0.933	0.903	0.884	**0.933**	n/a	n/a
Rhodium	103	0.976	0.954	0.939	**0.976**	n/a	n/a
Indium	115	0.975	0.947	0.929	**0.975**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012248-MB 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 17:55					
Arsenic	75	-0.033	-0.079	-0.0286	**-0.0469**	0.028	59.63
Cadmium	111	0.009	0.0102	0.0108	**0.01**	0.0009	9.106
Cadmium	114	0.2393	0.209	0.2143	**0.2209**	0.0162	7.33
Chromium	52	0.2778	0.2355	0.2817	**0.265**	0.0257	9.686
Chromium	53	-0.8085	-0.8385	-0.856	**-0.8343**	0.024	2.877
Molybdenum	95	0.0296	0.0254	0.0207	**0.0252**	0.0045	17.78
Molybdenum	97	0.0235	0.0162	0.0248	**0.0215**	0.0047	21.66
Molybdenum	98	0.0297	0.0271	0.0246	**0.0271**	0.0025	9.283
Selenium	77	-0.1336	-0.0852	-0.2696	**-0.1628**	0.0956	58.75
Selenium	78	0.0723	-0.2217	0.0038	**-0.0485**	0.1538	316.9
Selenium	82	-0.1307	-0.2487	-0.2151	**-0.1982**	0.0608	30.67

Internal Standard Factors:

Scandium	45	0.925	0.871	0.877	**0.925**	n/a	n/a
Rhodium	103	0.992	0.936	0.936	**0.992**	n/a	n/a
Indium	115	0.993	0.934	0.939	**0.993**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		LCSS K1012248 1/100			Mean	SD	%RSD
TimeStamp		11/22/10 17:58					
Arsenic	75	8.832	8.976	8.555	**8.788**	0.2137	2.432
Cadmium	111	9.376	9.666	9.482	**9.508**	0.1464	1.539
Cadmium	114	9.314	9.61	9.438	**9.454**	0.1489	1.575
Chromium	52	14.26	15.04	14.44	**14.58**	0.4068	2.79
Chromium	53	13.39	14.03	13.27	**13.56**	0.4087	3.014
Molybdenum	95	5.81	6.12	5.819	**5.917**	0.1762	2.979
Molybdenum	97	5.867	6.189	5.858	**5.971**	0.1885	3.157
Molybdenum	98	5.789	6.065	5.803	**5.886**	0.1555	2.642
Selenium	77	18.96	20.19	19.57	**19.57**	0.6163	3.149
Selenium	78	19.16	20.24	18.91	**19.43**	0.7079	3.642
Selenium	82	19.05	19.29	18.87	**19.07**	0.2137	1.121

Internal Standard Factors:

Scandium	45	0.937	0.93	0.889	**0.937**	n/a	n/a
Rhodium	103	0.976	0.963	0.936	**0.976**	n/a	n/a
Indium	115	0.976	0.95	0.927	**0.976**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012248-001 1/5			Mean	SD	%RSD
TimeStamp		11/22/10 18:01					
Arsenic	75	3.261	3.396	3.273	**3.31**	0.0751	2.27
Cadmium	111	2.366	2.418	2.303	**2.362**	0.0573	2.426
Cadmium	114	2.423	2.477	2.413	**2.438**	0.0346	1.419
Chromium	52	21.87	21.79	21.79	**21.81**	0.0476	0.2184
Chromium	53	20.75	20.65	20.25	**20.55**	0.2675	1.301
Molybdenum	95	2.564	2.542	2.53	**2.545**	0.0172	0.6754
Molybdenum	97	2.562	2.509	2.477	**2.516**	0.0431	1.715
Molybdenum	98	2.51	2.45	2.426	**2.462**	0.0432	1.754
Selenium	77	1.589	1.554	1.579	**1.574**	0.0179	1.135
Selenium	78	1.112	0.8714	0.9326	**0.9719**	0.1249	12.85
Selenium	82	1.142	0.9243	0.5431	**0.8698**	0.3032	34.86

Internal Standard Factors:

Scandium	45	0.933	0.931	0.935	**0.933**	n/a	n/a
Rhodium	103	1.163	1.16	1.154	**1.163**	n/a	n/a
Indium	115	1.111	1.104	1.103	**1.111**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012248-001 1/5D			Mean	SD	%RSD
TimeStamp		11/22/10 18:03					
Arsenic	75	3.079	3.039	3.065	**3.061**	0.0203	0.6621
Cadmium	111	2.469	2.441	2.406	**2.439**	0.0319	1.308
Cadmium	114	2.484	2.443	2.415	**2.448**	0.0347	1.418
Chromium	52	21.68	22.42	21.86	**21.99**	0.3861	1.756
Chromium	53	20.46	21.17	20.81	**20.81**	0.3572	1.716
Molybdenum	95	2.279	2.331	2.345	**2.318**	0.0346	1.494
Molybdenum	97	2.286	2.351	2.31	**2.316**	0.0332	1.431
Molybdenum	98	2.27	2.27	2.349	**2.296**	0.0453	1.972
Selenium	77	1.523	1.63	1.763	**1.639**	0.1205	7.353
Selenium	78	0.8649	1.042	1.011	**0.9728**	0.0947	9.736
Selenium	82	0.7928	0.926	0.9216	**0.8802**	0.0757	8.599

Internal Standard Factors:

Scandium	45	0.989	0.992	0.981	**0.989**	n/a	n/a
Rhodium	103	1.22	1.196	1.213	**1.22**	n/a	n/a
Indium	115	1.179	1.153	1.14	**1.179**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012248-001 1/25L			Mean	SD	%RSD
TimeStamp		11/22/10 18:06					
Arsenic	75	0.7396	0.7948	0.7167	**0.7504**	0.0402	5.352
Cadmium	111	0.535	0.5277	0.5292	**0.5306**	0.0038	0.7194
Cadmium	114	0.5581	0.5384	0.5417	**0.5461**	0.0106	1.935
Chromium	52	4.806	4.854	4.964	**4.875**	0.0809	1.659
Chromium	53	3.735	3.606	3.612	**3.651**	0.0725	1.986
Molybdenum	95	0.4913	0.4659	0.4868	**0.4813**	0.0136	2.816
Molybdenum	97	0.4608	0.4546	0.4441	**0.4532**	0.0085	1.865
Molybdenum	98	0.4856	0.4653	0.4884	**0.4798**	0.0126	2.636
Selenium	77	0.0504	0.1746	0.1854	**0.1368**	0.075	54.83
Selenium	78	0.5116	0.3994	0.4646	**0.4585**	0.0564	12.29
Selenium	82	0.1761	0.3691	0.2082	**0.2512**	0.1034	41.18

Internal Standard Factors:

Scandium	45	0.966	0.936	0.934	**0.966**	n/a	n/a
Rhodium	103	1.07	1.028	1.016	**1.07**	n/a	n/a
Indium	115	1.063	1.018	1	**1.063**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012248-001 1/5 +50A			Mean	SD	%RSD
TimeStamp		11/22/10 18:09					
Arsenic	75	50.56	50.65	50.43	**50.55**	0.1063	0.2104
Cadmium	111	48.29	49.34	49.23	**48.95**	0.5798	1.184
Cadmium	114	49.59	48.87	49.55	**49.33**	0.4048	0.8206
Chromium	52	78.74	77.87	78.04	**78.22**	0.4615	0.59
Chromium	53	67.12	66.43	67.25	**66.94**	0.4399	0.6571
Molybdenum	95	55.36	55.39	55.23	**55.33**	0.0891	0.161
Molybdenum	97	55.08	55.35	55.37	**55.27**	0.1604	0.2902
Molybdenum	98	55.21	55.59	55.37	**55.39**	0.1928	0.3481
Selenium	77	46.77	47.35	47.19	**47.1**	0.298	0.6326
Selenium	78	45.37	46.27	46.15	**45.93**	0.49	1.067
Selenium	82	45.83	47.74	46.61	**46.73**	0.9563	2.047

Internal Standard Factors:

Scandium	45	1.012	0.994	0.995	**1.012**	n/a	n/a
Rhodium	103	1.188	1.179	1.187	**1.188**	n/a	n/a
Indium	115	1.12	1.098	1.106	**1.12**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		K1012248-001 1/25S			Mean	SD	%RSD
TimeStamp		11/22/10 18:11					
Arsenic	75	40.77	41.07	41.97	**41.27**	0.6251	1.515
Cadmium	111	4.851	4.816	4.954	**4.874**	0.0717	1.472
Cadmium	114	4.766	4.786	4.797	**4.783**	0.0157	0.3287
Chromium	52	20.45	20.83	21.15	**20.81**	0.3521	1.692
Chromium	53	19.07	19.63	19.83	**19.51**	0.3992	2.046
Molybdenum	95	37.99	38.65	39.62	**38.75**	0.8214	2.119
Molybdenum	97	38.18	38.41	39.87	**38.82**	0.9166	2.361
Molybdenum	98	37.95	38.82	40.02	**38.93**	1.038	2.665
Selenium	77	41.74	42.41	42.26	**42.14**	0.3509	0.8328
Selenium	78	41.27	42.02	42.59	**41.96**	0.6593	1.571
Selenium	82	41.54	41.82	42.46	**41.94**	0.4707	1.122

Internal Standard Factors:

Scandium	45	1	0.99	0.971	**1**	n/a	n/a
Rhodium	103	1.057	1.023	1.036	**1.057**	n/a	n/a
Indium	115	1.07	1.04	1.024	**1.07**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		CCV4			Mean	SD	%RSD
TimeStamp		11/22/10 18:14					
Arsenic	75	24.51	24.47	24.28	**24.42**	0.121	0.4956
Cadmium	111	24.94	25.08	25.32	**25.11**	0.1903	0.758
Cadmium	114	24.28	24.84	25.07	**24.73**	0.4095	1.656
Chromium	52	24.41	25.17	25.61	**25.06**	0.6083	2.427
Chromium	53	23.94	24.23	24.32	**24.16**	0.1998	0.8271
Molybdenum	95	25.31	24.74	25.09	**25.05**	0.288	1.15
Molybdenum	97	24.95	25.06	25.16	**25.05**	0.1027	0.4101
Molybdenum	98	25.07	24.59	25.08	**24.91**	0.2842	1.141
Selenium	77	23.64	24.17	24.7	**24.17**	0.5268	2.179
Selenium	78	23.97	24.51	24.2	**24.23**	0.2669	1.102
Selenium	82	23.86	23.84	23.86	**23.85**	0.0125	0.0523

Internal Standard Factors:

Scandium	45	0.978	0.949	0.949	**0.978**	n/a	n/a
Rhodium	103	1.008	0.96	0.967	**1.008**	n/a	n/a
Indium	115	1.003	0.958	0.967	**1.003**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-22-10D
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Greg Jasper
STARLIMS #226370

Sample Name:		CCB4			Mean	SD	%RSD
TimeStamp		11/22/10 18:16					
Arsenic	75	-0.0557	0.0013	-0.0818	**-0.0454**	0.0425	93.64
Cadmium	111	0.0083	0.0069	0.0149	**0.01**	0.0043	42.76
Cadmium	114	0.0047	0.0104	0.0065	**0.0072**	0.0029	40.54
Chromium	52	-0.0185	0.0111	0.0494	**0.014**	0.0341	242.8
Chromium	53	-1.08	-1.092	-1.153	**-1.108**	0.039	3.515
Molybdenum	95	0.1984	0.1544	0.123	**0.1586**	0.0378	23.85
Molybdenum	97	0.1917	0.1407	0.1119	**0.1481**	0.0404	27.3
Molybdenum	98	0.221	0.1527	0.1297	**0.1678**	0.0475	28.3
Selenium	77	-0.0862	-0.1377	-0.0617	**-0.0952**	0.0388	40.75
Selenium	78	-0.3143	-0.1478	-0.0974	**-0.1865**	0.1135	60.86
Selenium	82	-0.1944	0.002	-0.2883	**-0.1602**	0.1482	92.47

Internal Standard Factors:

Scandium	45	0.953	0.927	0.927	**0.953**	n/a	n/a
Rhodium	103	1.035	0.996	0.977	**1.035**	n/a	n/a
Indium	115	1.018	0.985	0.975	**1.018**	n/a	n/a

Organochlorine Pesticides

Organic Analysis:
Organochlorine Pesticides

Summary Package

Sample and QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Cover Page - Organic Analysis Data Package
Organochlorine Pesticides

Sample Name	Lab Code	Date Collected	Date Received
SL0001	K1012914-001	11/15/2010	11/17/2010
SL0002	K1012914-002	11/15/2010	11/17/2010
SL0009	K1012914-009	11/15/2010	11/17/2010
SL0010	K1012914-010	11/15/2010	11/17/2010
SL0017	K1012914-016	11/15/2010	11/17/2010
SL0018	K1012914-017	11/15/2010	11/17/2010
SL0019	K1012914-018	11/15/2010	11/17/2010
SL0020	K1012914-019	11/15/2010	11/17/2010
FW0001	K1012914-029	11/15/2010	11/17/2010
FW0002	K1012914-030	11/16/2010	11/17/2010
FW0003	K1012914-031	11/16/2010	11/17/2010
SL0001MS	KWG1012933-1	11/15/2010	11/17/2010
SL0001DMS	KWG1012933-2	11/15/2010	11/17/2010
SL0002MS	KWG1012933-3	11/15/2010	11/17/2010
SL0002DMS	KWG1012933-4	11/15/2010	11/17/2010

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Lorna E. Portwood Name: Lorna Portwood

Date: 11/29/10 Title: Scientist

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	U	3.0	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	150	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	60	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	21-112	11/25/10	Acceptable
Decachlorobiphenyl	83	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.8	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	2.8	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	2.8	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	2.8	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	2.8	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.8	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	2.8	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	2.8	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	2.8	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	2.8	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	2.8	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	2.8	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.8	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**0.87**	JP	2.8	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	140	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	56	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	21-112	11/25/10	Acceptable
Decachlorobiphenyl	78	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	U	3.0	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	Ui	150	44	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	59	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	21-112	11/25/10	Acceptable
Decachlorobiphenyl	73	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.8	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	2.8	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	2.8	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	2.8	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	2.8	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.8	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	2.8	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	**0.51**	J	2.8	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	2.8	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	2.8	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	2.8	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	2.8	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.8	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**1.6**	JP	2.8	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	140	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	56	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	21-112	11/25/10	Acceptable
Decachlorobiphenyl	77	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	Ui	3.0	3.0	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	Ui	150	49	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	60	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	84	21-112	11/25/10	Acceptable
Decachlorobiphenyl	75	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.1	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.1	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.1	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.1	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.1	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.1	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.1	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.1	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.1	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.1	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.1	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.1	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.1	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.1	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.1	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**1.0**	JP	3.1	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	160	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	61	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	21-112	11/25/10	Acceptable
Decachlorobiphenyl	63	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0019	**Units:**	ug/Kg
Lab Code:	K1012914-018	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**0.94**	JP	3.0	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	Ui	150	69	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	60	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	52	21-112	11/25/10	Acceptable
Decachlorobiphenyl	47	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.9	0.35	1	11/22/10	11/26/10	KWG1012933	
beta-BHC	ND	U	2.9	0.50	1	11/22/10	11/26/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.9	0.45	1	11/22/10	11/26/10	KWG1012933	
delta-BHC	ND	U	2.9	0.37	1	11/22/10	11/26/10	KWG1012933	
Heptachlor	ND	U	2.9	0.83	1	11/22/10	11/26/10	KWG1012933	
Aldrin	ND	U	2.9	0.34	1	11/22/10	11/26/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.9	0.39	1	11/22/10	11/26/10	KWG1012933	
Endosulfan I	ND	U	2.9	1.7	1	11/22/10	11/26/10	KWG1012933	
Dieldrin	ND	U	2.9	0.48	1	11/22/10	11/26/10	KWG1012933	
4,4'-DDE	ND	U	2.9	1.6	1	11/22/10	11/26/10	KWG1012933	
Endrin	ND	U	2.9	0.45	1	11/22/10	11/26/10	KWG1012933	
Endosulfan II	ND	U	2.9	0.86	1	11/22/10	11/26/10	KWG1012933	
4,4'-DDD	ND	U	2.9	1.0	1	11/22/10	11/26/10	KWG1012933	
Endrin Aldehyde	ND	U	2.9	1.4	1	11/22/10	11/26/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.9	0.57	1	11/22/10	11/26/10	KWG1012933	
4,4'-DDT	**1.2**	JP	2.9	0.85	1	11/22/10	11/26/10	KWG1012933	
Toxaphene	ND	Ui	150	61	1	11/22/10	11/26/10	KWG1012933	
Chlordane	ND	U	58	22	1	11/22/10	11/26/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	21-112	11/26/10	Acceptable
Decachlorobiphenyl	80	15-130	11/26/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	FW0001	**Units:**	ug/WIPE
Lab Code:	K1012914-029	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	70-130	11/26/10	Acceptable
Decachlorobiphenyl	86	70-130	11/26/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	FW0002	**Units:**	ug/WIPE
Lab Code:	K1012914-030	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	70-130	11/26/10	Acceptable
Decachlorobiphenyl	87	70-130	11/26/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	FW0003	**Units:**	ug/WIPE
Lab Code:	K1012914-031	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	70-130	11/26/10	Acceptable
Decachlorobiphenyl	85	70-130	11/26/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012933-7	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.5	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	2.5	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.5	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	2.5	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	2.5	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	2.5	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.5	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	2.5	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	2.5	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	2.5	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	2.5	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	2.5	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	2.5	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	2.5	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.5	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	U	2.5	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	130	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	50	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	21-112	11/25/10	Acceptable
Decachlorobiphenyl	77	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Method Blank	**Units:**	ug/WIPE
Lab Code:	KWG1012935-1	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	70-130	11/26/10	Acceptable
Decachlorobiphenyl	86	70-130	11/26/10	Acceptable

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Surrogate Recovery Summary
Organochlorine Pesticides

Extraction Method: EPA 3541
Analysis Method: 8081A

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2
SL0001	K1012914-001	81	83
SL0002	K1012914-002	86	78
SL0009	K1012914-009	80	73
SL0010	K1012914-010	78	77
SL0017	K1012914-016	84	75
SL0018	K1012914-017	74	63
SL0019	K1012914-018	52	47
SL0020	K1012914-019	86	80
FW0001	K1012914-029	76	86
FW0002	K1012914-030	80	87
FW0003	K1012914-031	87	85
Method Blank	KWG1012933-7	75	77
Method Blank	KWG1012935-1	74	86
SL0001MS	KWG1012933-1	79	80
SL0001DMS	KWG1012933-2	93	87
SL0002MS	KWG1012933-3	84	75
SL0002DMS	KWG1012933-4	75	66
Lab Control Sample	KWG1012933-5	71	76
Lab Control Sample	KWG1012935-2	82	83
Duplicate Lab Control Sample	KWG1012935-3	117	110

Surrogate Recovery Control Limits (%)

Sur1 =	Tetrachloro-m-xylene	70-130
Sur2 =	Decachlorobiphenyl	70-130

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:01

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F004.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene	
		Area	**RT**
	ICAL Average ==>	2,079,893	5.84
	Upper Limit ==>	4,159,787	6.34
	Lower Limit ==>	1,039,947	5.34
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	1,543,236	5.76
Method Blank	KWG1012933-7	1,611,237	5.76
Lab Control Sample	KWG1012933-5	1,693,224	5.76
Lab Control Sample	KWG1012933-5	1,665,984	5.76
SL0001	K1012914-001	1,727,044	5.75
SL0001MS	KWG1012933-1	1,806,869	5.76
SL0001DMS	KWG1012933-2	1,690,831	5.76
SL0002	K1012914-002	1,721,331	5.76
SL0002MS	KWG1012933-3	1,718,753	5.76
SL0002DMS	KWG1012933-4	1,714,974	5.76
SL0009	K1012914-009	1,761,245	5.75
SL0010	K1012914-010	1,679,139	5.76
SL0017	K1012914-016	1,653,532	5.76
SL0018	K1012914-017	1,715,794	5.75
SL0019	K1012914-018	1,690,864	5.75
SL0020	K1012914-019	1,633,289	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:01

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F004.D\1125F004C.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene	
		Area	**RT**
	ICAL Average ==>	10,626,931	5.57
	Upper Limit ==>	21,253,862	6.07
	Lower Limit ==>	5,313,466	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	11,110,005	5.51
Method Blank	KWG1012933-7	11,603,251	5.51
Lab Control Sample	KWG1012933-5	12,252,423	5.51
Lab Control Sample	KWG1012933-5	12,114,253	5.51
SL0001	K1012914-001	12,375,907	5.51
SL0001MS	KWG1012933-1	12,967,345	5.51
SL0001DMS	KWG1012933-2	12,365,478	5.51
SL0002	K1012914-002	12,476,062	5.51
SL0002MS	KWG1012933-3	12,494,151	5.51
SL0002DMS	KWG1012933-4	12,489,048	5.51
SL0009	K1012914-009	12,821,474	5.51
SL0010	K1012914-010	12,189,329	5.51
SL0017	K1012914-016	11,823,161	5.51
SL0018	K1012914-017	12,374,374	5.51
SL0019	K1012914-018	12,230,182	5.51
SL0020	K1012914-019	11,925,333	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:28

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F005.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene {2	
		Area	**RT**
	ICAL Average ==>	2,099,074	5.83
	Upper Limit ==>	4,198,148	6.33
	Lower Limit ==>	1,049,537	5.33
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	1,550,926	5.76
Method Blank	KWG1012933-7	1,611,237	5.76
Lab Control Sample	KWG1012933-5	1,665,984	5.76
SL0001	K1012914-001	1,727,044	5.75
SL0002	K1012914-002	1,721,331	5.76
SL0002MS	KWG1012933-3	1,718,753	5.76
SL0002DMS	KWG1012933-4	1,714,974	5.76
SL0009	K1012914-009	1,761,245	5.75
SL0010	K1012914-010	1,679,139	5.76
SL0017	K1012914-016	1,653,532	5.76
SL0018	K1012914-017	1,715,794	5.75
SL0019	K1012914-018	1,690,864	5.75
SL0020	K1012914-019	1,633,289	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:28

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F005.D\1125F005C.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene {2	
		Area	**RT**
	ICAL Average ==>	10,608,684	5.57
	Upper Limit ==>	21,217,368	6.07
	Lower Limit ==>	5,304,342	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	11,276,409	5.51
Method Blank	KWG1012933-7	11,603,251	5.51
Lab Control Sample	KWG1012933-5	12,114,253	5.51
SL0001	K1012914-001	12,501,599	5.51
SL0002	K1012914-002	12,476,062	5.51
SL0002MS	KWG1012933-3	12,494,151	5.51
SL0002DMS	KWG1012933-4	12,489,048	5.51
SL0009	K1012914-009	12,821,474	5.51
SL0010	K1012914-010	12,189,329	5.51
SL0017	K1012914-016	11,823,161	5.51
SL0018	K1012914-017	12,374,374	5.51
SL0019	K1012914-018	12,230,182	5.51
SL0020	K1012914-019	11,925,333	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:54

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F006.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene {3	
		Area	**RT**
	ICAL Average ==>	2,142,849	5.84
	Upper Limit ==>	4,285,699	6.34
	Lower Limit ==>	1,071,425	5.34
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	1,511,838	5.76
Method Blank	KWG1012933-7	1,611,237	5.76
Lab Control Sample	KWG1012933-5	1,665,984	5.76
SL0001	K1012914-001	1,727,044	5.75
SL0002	K1012914-002	1,721,331	5.76
SL0002MS	KWG1012933-3	1,718,753	5.76
SL0002DMS	KWG1012933-4	1,714,974	5.76
SL0009	K1012914-009	1,761,245	5.75
SL0010	K1012914-010	1,679,139	5.76
SL0017	K1012914-016	1,653,532	5.76
SL0018	K1012914-017	1,715,794	5.75
SL0019	K1012914-018	1,690,864	5.75
SL0020	K1012914-019	1,633,289	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:54

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F006.D\1125F006C.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene {3	
		Area	**RT**
	ICAL Average ==>	10,812,308	5.57
	Upper Limit ==>	21,624,616	6.07
	Lower Limit ==>	5,406,154	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	11,165,494	5.52
Method Blank	KWG1012933-7	11,603,251	5.51
Lab Control Sample	KWG1012933-5	12,114,253	5.51
SL0001	K1012914-001	12,534,141	5.51
SL0002	K1012914-002	12,476,062	5.51
SL0002MS	KWG1012933-3	12,494,151	5.51
SL0002DMS	KWG1012933-4	12,489,048	5.51
SL0009	K1012914-009	12,821,474	5.51
SL0010	K1012914-010	12,189,329	5.51
SL0017	K1012914-016	11,823,161	5.51
SL0018	K1012914-017	12,374,374	5.51
SL0019	K1012914-018	12,230,182	5.51
SL0020	K1012914-019	11,925,333	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	01:51

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F026.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene	
		Area	**RT**
	ICAL Average ==>	2,079,893	5.84
	Upper Limit ==>	4,159,787	6.34
	Lower Limit ==>	1,039,947	5.34
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	1,554,998	5.76
Method Blank	KWG1012935-1	1,681,031	5.76
Lab Control Sample	KWG1012935-2	1,723,272	5.76
Duplicate Lab Control Sample	KWG1012935-3	1,680,672	5.76
Lab Control Sample	KWG1012935-2	1,823,241	5.76
Duplicate Lab Control Sample	KWG1012935-3	1,725,494	5.76
FW0001	K1012914-029	1,741,679	5.76
FW0002	K1012914-030	1,706,705	5.76
FW0003	K1012914-031	1,770,140	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	01:51

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F026.D\1125F026C.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene	
		Area	**RT**
	ICAL Average ==>	10,626,931	5.57
	Upper Limit ==>	21,253,862	6.07
	Lower Limit ==>	5,313,466	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	11,186,058	5.51
Method Blank	KWG1012935-1	12,096,054	5.51
Lab Control Sample	KWG1012935-2	12,405,686	5.51
Duplicate Lab Control Sample	KWG1012935-3	11,977,026	5.51
Lab Control Sample	KWG1012935-2	13,211,498	5.51
Duplicate Lab Control Sample	KWG1012935-3	12,292,892	5.51
FW0001	K1012914-029	12,540,208	5.51
FW0002	K1012914-030	12,318,658	5.51
FW0003	K1012914-031	12,576,727	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	02:18

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F027.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene {2	
		Area	**RT**
	ICAL Average ==>	2,099,074	5.83
	Upper Limit ==>	4,198,148	6.33
	Lower Limit ==>	1,049,537	5.33
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	1,595,912	5.76
Method Blank	KWG1012935-1	1,681,031	5.76
Lab Control Sample	KWG1012935-2	1,823,241	5.76
Duplicate Lab Control Sample	KWG1012935-3	1,725,494	5.76
FW0001	K1012914-029	1,741,679	5.76
FW0002	K1012914-030	1,706,705	5.76
FW0003	K1012914-031	1,770,140	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	02:18

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F027.D\1125F027C.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene {2	
		Area	**RT**
	ICAL Average ==>	10,608,684	5.57
	Upper Limit ==>	21,217,368	6.07
	Lower Limit ==>	5,304,342	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	11,637,117	5.51
Method Blank	KWG1012935-1	12,096,054	5.51
Lab Control Sample	KWG1012935-2	13,211,498	5.51
Duplicate Lab Control Sample	KWG1012935-3	12,292,892	5.51
FW0001	K1012914-029	12,540,208	5.51
FW0002	K1012914-030	12,318,658	5.51
FW0003	K1012914-031	12,576,727	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	02:45

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F028.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene {3	
		Area	**RT**
	ICAL Average ==>	2,142,849	5.84
	Upper Limit ==>	4,285,699	6.34
	Lower Limit ==>	1,071,425	5.34
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	1,578,361	5.76
Method Blank	KWG1012935-1	1,681,031	5.76
Lab Control Sample	KWG1012935-2	1,823,241	5.76
Duplicate Lab Control Sample	KWG1012935-3	1,725,494	5.76
FW0001	K1012914-029	1,741,679	5.76
FW0002	K1012914-030	1,706,705	5.76
FW0003	K1012914-031	1,770,140	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	02:45

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F028.D\1125F028C.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene {3	
		Area	**RT**
	ICAL Average ==>	10,812,308	5.57
	Upper Limit ==>	21,624,616	6.07
	Lower Limit ==>	5,406,154	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	11,539,316	5.51
Method Blank	KWG1012935-1	12,096,054	5.51
Lab Control Sample	KWG1012935-2	13,211,498	5.51
Duplicate Lab Control Sample	KWG1012935-3	12,292,892	5.51
FW0001	K1012914-029	12,540,208	5.51
FW0002	K1012914-030	12,318,658	5.51
FW0003	K1012914-031	12,576,727	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010

Matrix Spike/Duplicate Matrix Spike Summary
Organochlorine Pesticides

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012933

Analyte Name	Sample Result	SL0001MS KWG1012933-1 Matrix Spike			SL0001DMS KWG1012933-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
alpha-BHC	ND	45.2	59.3	76	53.9	59.6	90	23-133	18	40
beta-BHC	ND	47.8	59.3	81	53.1	59.6	89	22-142	10	40
gamma-BHC (Lindane)	ND	45.4	59.3	77	53.6	59.6	90	26-135	17	40
delta-BHC	ND	47.7	59.3	81	55.6	59.6	93	25-148	15	40
Heptachlor	ND	45.1	59.3	76	53.2	59.6	89	21-136	17	40
Aldrin	ND	43.9	59.3	74	52.3	59.6	88	22-135	17	40
Heptachlor Epoxide	ND	46.4	59.3	78	53.4	59.6	90	25-129	14	40
Endosulfan I	ND	41.7	59.3	70	47.6	59.6	80	15-119	13	40
Dieldrin	ND	46.4	59.3	78	53.2	59.6	89	26-133	14	40
4,4'-DDE	ND	48.4	59.3	82	56.6	59.6	95	22-142	16	40
Endrin	ND	44.1	59.3	74	52.0	59.6	87	22-145	16	40
Endosulfan II	ND	44.0	59.3	74	49.4	59.6	83	13-129	11	40
4,4'-DDD	ND	44.2	59.3	75	50.8	59.6	85	19-143	14	40
Endrin Aldehyde	ND	46.3	59.3	78	53.5	59.6	90	10-129	15	40
Endosulfan Sulfate	ND	46.3	59.3	78	53.1	59.6	89	20-134	14	40
4,4'-DDT	ND	46.7	59.3	79	55.2	59.6	93	19-154	17	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010

Matrix Spike/Duplicate Matrix Spike Summary
Organochlorine Pesticides

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012933

		SL0002MS KWG1012933-3 Matrix Spike			SL0002DMS KWG1012933-4 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Toxaphene	ND	540	566	95	475	567	84	20-155	13	40
Chlordane	ND	570	566	101	489	567	86	46-139	15	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010

Lab Control Spike Summary
Organochlorine Pesticides

Extraction Method:	EPA 3541	**Units:**	ug/Kg
Analysis Method:	8081A	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1012933

	Lab Control Sample KWG1012933-5 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
alpha-BHC	71.5	100	71	36-139
beta-BHC	72.9	100	73	38-142
gamma-BHC (Lindane)	71.3	100	71	40-142
delta-BHC	72.4	100	72	48-145
Heptachlor	70.2	100	70	39-135
Aldrin	67.2	100	67	37-134
Heptachlor Epoxide	72.7	100	73	45-118
Endosulfan I	65.3	100	65	35-121
Dieldrin	72.8	100	73	46-136
4,4'-DDE	74.4	100	74	46-141
Endrin	65.8	100	66	40-152
Endosulfan II	68.6	100	69	39-128
4,4'-DDD	71.3	100	71	46-146
Endrin Aldehyde	74.8	100	75	32-132
Endosulfan Sulfate	73.6	100	74	43-138
4,4'-DDT	71.8	100	72	46-151
Toxaphene	870	1000	87	53-133
Chlordane	903	1000	90	52-140

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/26/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Organochlorine Pesticides

Extraction Method:	EPA 3541	**Units:**	ug/WIPE
Analysis Method:	8081A	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1012935

	Lab Control Sample KWG1012935-2 Lab Control Spike			Duplicate Lab Control Sample KWG1012935-3 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
alpha-BHC	0.775	1.00	77	1.20	1.00	120	70-130	43 *	40
beta-BHC	0.788	1.00	79	1.17	1.00	117	70-130	39	40
gamma-BHC (Lindane)	0.770	1.00	77	1.18	1.00	118	70-130	42 *	40
delta-BHC	0.802	1.00	80	1.20	1.00	120	70-130	40	40
Heptachlor	0.752	1.00	75	1.16	1.00	116	70-130	43 *	40
Aldrin	0.726	1.00	73	1.15	1.00	115	70-130	45 *	40
Heptachlor Epoxide	0.777	1.00	78	1.16	1.00	116	70-130	40	40
Endosulfan I	0.701	1.00	70	1.04	1.00	104	70-130	39	40
Dieldrin	0.794	1.00	79	1.18	1.00	118	70-130	39	40
4,4'-DDE	0.831	1.00	83	1.20	1.00	120	70-130	36	40
Endrin	0.733	1.00	73	1.10	1.00	110	70-130	40	40
Endosulfan II	0.746	1.00	75	1.07	1.00	107	70-130	35	40
4,4'-DDD	0.757	1.00	76	1.11	1.00	111	70-130	38	40
Endrin Aldehyde	0.800	1.00	80	1.16	1.00	116	70-130	37	40
Endosulfan Sulfate	0.801	1.00	80	1.13	1.00	113	70-130	34	40
4,4'-DDT	0.807	1.00	81	1.16	1.00	116	70-130	36	40
Toxaphene	8.93	10.0	89	8.82	10.0	88	70-130	1	40
Chlordane	10.1	10.0	101	10.1	10.0	101	70-130	0	40

Results flagged with an asterisk (*) indicate values outside control criteria.

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010
		Time Analyzed:	17:48

Method Blank Summary
Organochlorine Pesticides

Sample Name:	Method Blank	**File ID:**	J:\GC23\DATA\112510\1125F008.D
Lab Code:	KWG1012933-7	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012933

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012933-5	J:\GC23\DATA\112510\1125F009.D	11/25/10	18:15
Lab Control Sample	KWG1012933-5	J:\GC23\DATA\112510\1125F010.D	11/25/10	18:42
SL0001	K1012914-001	J:\GC23\DATA\112510\1125F011.D	11/25/10	19:09
SL0001MS	KWG1012933-1	J:\GC23\DATA\112510\1125F012.D	11/25/10	19:35
SL0001DMS	KWG1012933-2	J:\GC23\DATA\112510\1125F013.D	11/25/10	20:02
SL0002	K1012914-002	J:\GC23\DATA\112510\1125F014.D	11/25/10	20:29
SL0002MS	KWG1012933-3	J:\GC23\DATA\112510\1125F015.D	11/25/10	20:56
SL0002DMS	KWG1012933-4	J:\GC23\DATA\112510\1125F016.D	11/25/10	21:23
SL0009	K1012914-009	J:\GC23\DATA\112510\1125F017.D	11/25/10	21:50
SL0010	K1012914-010	J:\GC23\DATA\112510\1125F018.D	11/25/10	22:17
SL0017	K1012914-016	J:\GC23\DATA\112510\1125F019.D	11/25/10	22:43
SL0018	K1012914-017	J:\GC23\DATA\112510\1125F020.D	11/25/10	23:10
SL0019	K1012914-018	J:\GC23\DATA\112510\1125F021.D	11/25/10	23:37
SL0020	K1012914-019	J:\GC23\DATA\112510\1125F022.D	11/26/10	00:04

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/26/2010
		Time Analyzed:	03:39

Method Blank Summary
Organochlorine Pesticides

Sample Name:	Method Blank	**File ID:**	J:\GC23\DATA\112510\1125F030.D
Lab Code:	KWG1012935-1	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012935

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012935-2	J:\GC23\DATA\112510\1125F031.D	11/26/10	04:06
Duplicate Lab Control Sample	KWG1012935-3	J:\GC23\DATA\112510\1125F032.D	11/26/10	04:33
Lab Control Sample	KWG1012935-2	J:\GC23\DATA\112510\1125F033.D	11/26/10	05:00
Duplicate Lab Control Sample	KWG1012935-3	J:\GC23\DATA\112510\1125F034.D	11/26/10	05:27
FW0001	K1012914-029	J:\GC23\DATA\112510\1125F035.D	11/26/10	05:54
FW0002	K1012914-030	J:\GC23\DATA\112510\1125F036.D	11/26/10	06:20
FW0003	K1012914-031	J:\GC23\DATA\112510\1125F037.D	11/26/10	06:47

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010
		Time Analyzed:	18:15

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name:	Lab Control Sample	**File ID:**	J:\GC23\DATA\112510\1125F009.D
Lab Code:	KWG1012933-5	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012933

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012933-7	J:\GC23\DATA\112510\1125F008.D	11/25/10	17:48
SL0001	K1012914-001	J:\GC23\DATA\112510\1125F011.D	11/25/10	19:09
SL0001MS	KWG1012933-1	J:\GC23\DATA\112510\1125F012.D	11/25/10	19:35
SL0001DMS	KWG1012933-2	J:\GC23\DATA\112510\1125F013.D	11/25/10	20:02
SL0002	K1012914-002	J:\GC23\DATA\112510\1125F014.D	11/25/10	20:29
SL0002MS	KWG1012933-3	J:\GC23\DATA\112510\1125F015.D	11/25/10	20:56
SL0002DMS	KWG1012933-4	J:\GC23\DATA\112510\1125F016.D	11/25/10	21:23
SL0009	K1012914-009	J:\GC23\DATA\112510\1125F017.D	11/25/10	21:50
SL0010	K1012914-010	J:\GC23\DATA\112510\1125F018.D	11/25/10	22:17
SL0017	K1012914-016	J:\GC23\DATA\112510\1125F019.D	11/25/10	22:43
SL0018	K1012914-017	J:\GC23\DATA\112510\1125F020.D	11/25/10	23:10
SL0019	K1012914-018	J:\GC23\DATA\112510\1125F021.D	11/25/10	23:37
SL0020	K1012914-019	J:\GC23\DATA\112510\1125F022.D	11/26/10	00:04

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010
		Time Analyzed:	18:42

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name:	Lab Control Sample	**File ID:**	J:\GC23\DATA\112510\1125F010.D
Lab Code:	KWG1012933-5	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012933

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012933-7	J:\GC23\DATA\112510\1125F008.D	11/25/10	17:48
SL0001	K1012914-001	J:\GC23\DATA\112510\1125F011.D	11/25/10	19:09
SL0001MS	KWG1012933-1	J:\GC23\DATA\112510\1125F012.D	11/25/10	19:35
SL0001DMS	KWG1012933-2	J:\GC23\DATA\112510\1125F013.D	11/25/10	20:02
SL0002	K1012914-002	J:\GC23\DATA\112510\1125F014.D	11/25/10	20:29
SL0002MS	KWG1012933-3	J:\GC23\DATA\112510\1125F015.D	11/25/10	20:56
SL0002DMS	KWG1012933-4	J:\GC23\DATA\112510\1125F016.D	11/25/10	21:23
SL0009	K1012914-009	J:\GC23\DATA\112510\1125F017.D	11/25/10	21:50
SL0010	K1012914-010	J:\GC23\DATA\112510\1125F018.D	11/25/10	22:17
SL0017	K1012914-016	J:\GC23\DATA\112510\1125F019.D	11/25/10	22:43
SL0018	K1012914-017	J:\GC23\DATA\112510\1125F020.D	11/25/10	23:10
SL0019	K1012914-018	J:\GC23\DATA\112510\1125F021.D	11/25/10	23:37
SL0020	K1012914-019	J:\GC23\DATA\112510\1125F022.D	11/26/10	00:04

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/26/2010
		Time Analyzed:	04:06

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name:	Lab Control Sample	**File ID:**	J:\GC23\DATA\112510\1125F031.D
Lab Code:	KWG1012935-2	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012935

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012935-1	J:\GC23\DATA\112510\1125F030.D	11/26/10	03:39
FW0001	K1012914-029	J:\GC23\DATA\112510\1125F035.D	11/26/10	05:54
FW0002	K1012914-030	J:\GC23\DATA\112510\1125F036.D	11/26/10	06:20
FW0003	K1012914-031	J:\GC23\DATA\112510\1125F037.D	11/26/10	06:47

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/26/2010
		Time Analyzed:	05:00

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name:	Lab Control Sample	**File ID:**	J:\GC23\DATA\112510\1125F033.D
Lab Code:	KWG1012935-2	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012935

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012935-1	J:\GC23\DATA\112510\1125F030.D	11/26/10	03:39
FW0001	K1012914-029	J:\GC23\DATA\112510\1125F035.D	11/26/10	05:54
FW0002	K1012914-030	J:\GC23\DATA\112510\1125F036.D	11/26/10	06:20
FW0003	K1012914-031	J:\GC23\DATA\112510\1125F037.D	11/26/10	06:47

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Level ID	File ID
A	J:\GC23\DATA\101410\1014F004.D
B	J:\GC23\DATA\101410\1014F005.D
C	J:\GC23\DATA\101410\1014F006.D
D	J:\GC23\DATA\101410\1014F007.D
E	J:\GC23\DATA\101410\1014F008.D
F	J:\GC23\DATA\101410\1014F009.D
G	J:\GC23\DATA\101410\1014F012.D
H	J:\GC23\DATA\101410\1014F013.D
I	J:\GC23\DATA\101410\1014F014.D
J	J:\GC23\DATA\101410\1014F015.D
K	J:\GC23\DATA\101410\1014F016.D
L	J:\GC23\DATA\101410\1014F017.D
M	J:\GC23\DATA\101410\1014F019.D
N	J:\GC23\DATA\101410\1014F020.D
O	J:\GC23\DATA\101410\1014F021.D
P	J:\GC23\DATA\101410\1014F022.D
Q	J:\GC23\DATA\101410\1014F023.D
R	J:\GC23\DATA\101410\1014F024.D
S	J:\GC23\DATA\101410\1014F026.D
T	J:\GC23\DATA\101410\1014F027.D
U	J:\GC23\DATA\101410\1014F028.D
V	J:\GC23\DATA\101410\1014F029.D
W	J:\GC23\DATA\101410\1014F030.D
X	J:\GC23\DATA\101410\1014F031.D
Y	J:\GC23\DATA\101410\1014F033.D
Z	J:\GC23\DATA\101410\1014F034.D
AA	J:\GC23\DATA\101410\1014F035.D
AB	J:\GC23\DATA\101410\1014F036.D
AC	J:\GC23\DATA\101410\1014F037.D
AD	J:\GC23\DATA\101410\1014F038.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Tetrachloro-m-xylene	A	2.0	1.12	B	5.0	1.18	C	20	1.14	D	50	1.03	E	100	1.02
	F	200	1.03												
Decachlorobiphenyl	A	2.0	0.890	B	5.0	0.939	C	20	0.965	D	50	0.859	E	100	0.824
	F	200	0.799												
alpha-BHC	A	2.0	1.54	B	5.0	1.59	C	20	1.64	D	50	1.50	E	100	1.55
	F	200	1.62												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
beta-BHC	A	2.0	0.777	B	5.0	0.810	C	20	0.756	D	50	0.662	E	100	0.651
	F	200	0.641												
gamma-BHC (Lindane)	A	2.0	1.49	B	5.0	1.54	C	20	1.55	D	50	1.41	E	100	1.44
	F	200	1.48												
delta-BHC	A	2.0	1.48	B	5.0	1.47	C	20	1.51	D	50	1.40	E	100	1.43
	F	200	1.49												
Heptachlor	A	2.0	1.54	B	5.0	1.54	C	20	1.54	D	50	1.38	E	100	1.39
	F	200	1.42												
Aldrin	A	2.0	1.47	B	5.0	1.49	C	20	1.47	D	50	1.32	E	100	1.32
	F	200	1.34												
Heptachlor Epoxide	A	2.0	1.44	B	5.0	1.45	C	20	1.41	D	50	1.25	E	100	1.24
	F	200	1.24												

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Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Endosulfan I	A	2.0	1.31	B	5.0	1.32	C	20	1.29	D	50	1.15	E	100	1.13
	F	200	1.13												
Dieldrin	A	2.0	1.36	B	5.0	1.43	C	20	1.41	D	50	1.27	E	100	1.26
	F	200	1.28												
4,4'-DDE	A	2.0	1.22	B	5.0	1.31	C	20	1.28	D	50	1.15	E	100	1.16
	F	200	1.18												
Endrin	A	2.0	1.19	B	5.0	1.28	C	20	1.25	D	50	1.12	E	100	1.12
	F	200	1.13												
Endosulfan II	A	2.0	1.30	B	5.0	1.30	C	20	1.27	D	50	1.12	E	100	1.09
	F	200	1.09												
4,4'-DDD	A	2.0	1.13	B	5.0	1.17	C	20	1.12	D	50	1.00	E	100	1.00
	F	200	1.01												

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Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Endrin Aldehyde	A	2.0	1.05	B	5.0	1.08	C	20	1.04	D	50	0.923	E	100	0.907
	F	200	0.890												
Endosulfan Sulfate	A	2.0	1.17	B	5.0	1.22	C	20	1.19	D	50	1.04	E	100	1.02
	F	200	1.00												
4,4'-DDT	A	2.0	1.18	B	5.0	1.18	C	20	1.17	D	50	1.04	E	100	1.04
	F	200	1.05												
Toxaphene {1}				G	100	0.00727	H	250	0.00729	I	500	0.00718	J	1000	0.00715
	K	2000	0.00634	L	5000	0.00629									
Toxaphene {2}				G	100	0.0173	H	250	0.0163	I	500	0.0167	J	1000	0.0164
	K	2000	0.0153	L	5000	0.0155									
Toxaphene {3}				G	100	0.0113	H	250	0.0134	I	500	0.0133	J	1000	0.0126
	K	2000	0.0118	L	5000	0.0120									

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Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Toxaphene {4}				G	100	0.0204	H	250	0.0189	I	500	0.0184	J	1000	0.0179
	K	2000	0.0165	L	5000	0.0162									
Toxaphene {5}				G	100	0.0160	H	250	0.0153	I	500	0.0150	J	1000	0.0151
	K	2000	0.0138	L	5000	0.0139									
Toxaphene {6}				G	100	0.0251	H	250	0.0227	I	500	0.0225	J	1000	0.0224
	K	2000	0.0207	L	5000	0.0275									
Chlordane {1}							M	25	0.0519	N	50	0.0510	O	100	0.0528
	P	500	0.0511	Q	1000	0.0475	R	2000	0.0459						
Chlordane {2}							M	25	0.0708	N	50	0.0711	O	100	0.0694
	P	500	0.0677	Q	1000	0.0625	R	2000	0.0615						
Chlordane {3}							M	25	0.0522	N	50	0.0472	O	100	0.0497
	P	500	0.0451	Q	1000	0.0404	R	2000	0.0380						

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Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Chlordane {4}															
							M	25	0.151	N	50	0.153	O	100	0.155
	P	500	0.149	Q	1000	0.139	R	2000	0.136						
Chlordane {5}															
							M	25	0.125	N	50	0.121	O	100	0.122
	P	500	0.116	Q	1000	0.105	R	2000	0.102						
Chlordane {6}															
							M	25	0.0847	N	50	0.0816	O	100	0.0847
	P	500	0.0784	Q	1000	0.0711	R	2000	0.0679						

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Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

		Calibration Evaluation					RRF Evaluation		
Analyte Name	Compound Type	Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Tetrachloro-m-xylene	SURR	AverageRF	% RSD	6.3		≤ 20	1.09		
Decachlorobiphenyl	SURR	AverageRF	% RSD	7.3		≤ 20	0.879		
alpha-BHC	MS	AverageRF	% RSD	3.3		≤ 20	1.57		
beta-BHC	MS	AverageRF	% RSD	10.3		≤ 20	0.716		
gamma-BHC (Lindane)	MS	AverageRF	% RSD	3.8		≤ 20	1.49		
delta-BHC	MS	AverageRF	% RSD	2.9		≤ 20	1.46		
Heptachlor	MS	AverageRF	% RSD	5.6		≤ 20	1.47		
Aldrin	MS	AverageRF	% RSD	6.0		≤ 20	1.40		
Heptachlor Epoxide	MS	AverageRF	% RSD	7.8		≤ 20	1.34		
Endosulfan I	MS	AverageRF	% RSD	7.7		≤ 20	1.22		
Dieldrin	MS	AverageRF	% RSD	5.8		≤ 20	1.34		
4,4'-DDE	MS	AverageRF	% RSD	5.4		≤ 20	1.22		
Endrin	MS	AverageRF	% RSD	5.8		≤ 20	1.18		
Endosulfan II	MS	AverageRF	% RSD	8.9		≤ 20	1.20		
4,4'-DDD	MS	AverageRF	% RSD	7.0		≤ 20	1.07		
Endrin Aldehyde	MS	AverageRF	% RSD	8.3		≤ 20	0.980		
Endosulfan Sulfate	MS	AverageRF	% RSD	8.8		≤ 20	1.11		
4,4'-DDT	MS	AverageRF	% RSD	6.5		≤ 20	1.11		
Toxaphene {1}	MULTI	AverageRF	% RSD	6.8		≤ 20	0.00692		
Toxaphene {2}	MULTI	AverageRF	% RSD	4.6		≤ 20	0.0162		
Toxaphene {3}	MULTI	AverageRF	% RSD	6.8		≤ 20	0.0124		
Toxaphene {4}	MULTI	AverageRF	% RSD	8.6		≤ 20	0.0181		
Toxaphene {5}	MULTI	AverageRF	% RSD	5.7		≤ 20	0.0148		
Toxaphene {6}	MULTI	AverageRF	% RSD	10.4		≤ 20	0.0235		
Chlordane {1}	MULTI	AverageRF	% RSD	5.4		≤ 20	0.0500		
Chlordane {2}	MULTI	AverageRF	% RSD	6.2		≤ 20	0.0671		
Chlordane {3}	MULTI	AverageRF	% RSD	12.0		≤ 20	0.0454		
Chlordane {4}	MULTI	AverageRF	% RSD	5.3		≤ 20	0.147		
Chlordane {5}	MULTI	AverageRF	% RSD	8.2		≤ 20	0.115		
Chlordane {6}	MULTI	AverageRF	% RSD	9.1		≤ 20	0.0780		

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COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010
Date Analyzed: 10/14/2010 - 10/15/2010

Second Source Calibration Verification
Organochlorine Pesticides

Calibration Type: Internal Standard
Analysis Method: 8081A

Calibration ID: CAL9961
Units: ug/L

File ID: J:\GC23\DATA\101410\1014F010.D
J:\GC23\DATA\101410\1014F011.D
J:\GC23\DATA\101410\1014F018.D
J:\GC23\DATA\101410\1014F025.D
J:\GC23\DATA\101410\1014F032.D
J:\GC23\DATA\101410\1014F039.D

Column ID: DB XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
alpha-BHC	40	37	1.57	1.45	-8	NA	± 20 %	AverageRF
beta-BHC	40	36	0.716	0.646	-10	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	40	37	1.49	1.38	-7	NA	± 20 %	AverageRF
delta-BHC	40	38	1.46	1.37	-6	NA	± 20 %	AverageRF
Heptachlor	40	37	1.47	1.36	-7	NA	± 20 %	AverageRF
Aldrin	40	36	1.40	1.28	-9	NA	± 20 %	AverageRF
Heptachlor Epoxide	40	37	1.34	1.24	-8	NA	± 20 %	AverageRF
Endosulfan I	40	37	1.22	1.13	-7	NA	± 20 %	AverageRF
Dieldrin	40	36	1.34	1.21	-10	NA	± 20 %	AverageRF
4,4'-DDE	40	42	1.22	1.28	6	NA	± 20 %	AverageRF
Endrin	40	34	1.18	1.00	-15	NA	± 20 %	AverageRF
Endosulfan II	40	37	1.20	1.10	-8	NA	± 20 %	AverageRF
4,4'-DDD	40	36	1.07	0.974	-9	NA	± 20 %	AverageRF
Endrin Aldehyde	40	38	0.980	0.939	-4	NA	± 20 %	AverageRF
Endosulfan Sulfate	40	37	1.11	1.02	-8	NA	± 20 %	AverageRF
4,4'-DDT	40	37	1.11	1.03	-7	NA	± 20 %	AverageRF
Toxaphene {1}	1000	1100	0.00692	0.00750	8	NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100	0.0162	0.0186	15	NA	± 100 %	AverageRF
Toxaphene {3}	1000	1100	0.0124	0.0137	11	NA	± 100 %	AverageRF
Toxaphene {4}	1000	1100	0.0181	0.0191	6	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1100	0.0148	0.0159	7	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1000	0.0235	0.0238	1	NA	± 100 %	AverageRF
Toxaphene	1000	1100	NA	NA	NA	8	± 20 %	NA
Chlordane {1}	800	660	0.0500	0.0414	-17	NA	± 100 %	AverageRF
Chlordane {2}	800	920	0.0671	0.0773	15	NA	± 100 %	AverageRF
Chlordane {3}	800	710	0.0454	0.0402	-12	NA	± 100 %	AverageRF
Chlordane {4}	800	870	0.147	0.160	9	NA	± 100 %	AverageRF
Chlordane {5}	800	730	0.115	0.105	-9	NA	± 100 %	AverageRF
Chlordane {6}	800	1000	0.0780	0.102	30	NA	± 100 %	AverageRF
Chlordane	800	820	NA	NA	NA	3	± 20 %	NA

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† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Level ID	File ID	Level ID	File ID
A	J:\GC23\DATA\101410\1014F004.D\1014F004c.d	Q	J:\GC23\DATA\101410\1014F023.D\1014F023c.d
B	J:\GC23\DATA\101410\1014F005.D\1014F005c.d	R	J:\GC23\DATA\101410\1014F024.D\1014F024c.d
C	J:\GC23\DATA\101410\1014F006.D\1014F006c.d	S	J:\GC23\DATA\101410\1014F026.D\1014F026c.d
D	J:\GC23\DATA\101410\1014F007.D\1014F007c.d	T	J:\GC23\DATA\101410\1014F027.D\1014F027c.d
E	J:\GC23\DATA\101410\1014F008.D\1014F008c.d	U	J:\GC23\DATA\101410\1014F028.D\1014F028c.d
F	J:\GC23\DATA\101410\1014F009.D\1014F009c.d	V	J:\GC23\DATA\101410\1014F029.D\1014F029c.d
G	J:\GC23\DATA\101410\1014F012.D\1014F012c.d	W	J:\GC23\DATA\101410\1014F030.D\1014F030c.d
H	J:\GC23\DATA\101410\1014F013.D\1014F013c.d	X	J:\GC23\DATA\101410\1014F031.D\1014F031c.d
I	J:\GC23\DATA\101410\1014F014.D\1014F014c.d	Y	J:\GC23\DATA\101410\1014F033.D\1014F033c.d
J	J:\GC23\DATA\101410\1014F015.D\1014F015c.d	Z	J:\GC23\DATA\101410\1014F034.D\1014F034c.d
K	J:\GC23\DATA\101410\1014F016.D\1014F016c.d	AA	J:\GC23\DATA\101410\1014F035.D\1014F035c.d
L	J:\GC23\DATA\101410\1014F017.D\1014F017c.d	AB	J:\GC23\DATA\101410\1014F036.D\1014F036c.d
M	J:\GC23\DATA\101410\1014F019.D\1014F019c.d	AC	J:\GC23\DATA\101410\1014F037.D\1014F037c.d
N	J:\GC23\DATA\101410\1014F020.D\1014F020c.d	AD	J:\GC23\DATA\101410\1014F038.D\1014F038c.d
O	J:\GC23\DATA\101410\1014F021.D\1014F021c.d		
P	J:\GC23\DATA\101410\1014F022.D\1014F022c.d		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Tetrachloro-m-xylene	A	2.0	0.988	B	5.0	1.07	C	20	1.08	D	50	0.978	E	100	0.987
	F	200	0.997												
Decachlorobiphenyl	A	2.0	1.29	B	5.0	1.32	C	20	1.24	D	50	1.08	E	100	1.05
	F	200	1.02												
alpha-BHC	A	2.0	1.30	B	5.0	1.46	C	20	1.54	D	50	1.43	E	100	1.51
	F	200	1.58												

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Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
beta-BHC	A	2.0	0.671	B	5.0	0.747	C	20	0.735	D	50	0.657	E	100	0.657
	F	200	0.651												
gamma-BHC (Lindane)	A	2.0	1.34	B	5.0	1.41	C	20	1.50	D	50	1.37	E	100	1.43
	F	200	1.48												
delta-BHC	A	2.0	1.29	B	5.0	1.43	C	20	1.48	D	50	1.37	E	100	1.44
	F	200	1.50												
Heptachlor	A	2.0	1.31	B	5.0	1.44	C	20	1.47	D	50	1.33	E	100	1.36
	F	200	1.38												
Aldrin	A	2.0	1.26	B	5.0	1.29	C	20	1.33	D	50	1.22	E	100	1.26
	F	200	1.29												
Heptachlor Epoxide	A	2.0	1.20	B	5.0	1.31	C	20	1.33	D	50	1.19	E	100	1.21
	F	200	1.22												

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Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Endosulfan I	A	2.0	1.18	B	5.0	1.24	C	20	1.23	D	50	1.10	E	100	1.11
	F	200	1.12												
Dieldrin	A	2.0	1.25	B	5.0	1.26	C	20	1.31	D	50	1.18	E	100	1.22
	F	200	1.25												
4,4'-DDE	A	2.0	1.10	B	5.0	1.22	C	20	1.20	D	50	1.11	E	100	1.14
	F	200	1.17												
Endrin	A	2.0	1.06	B	5.0	1.14	C	20	1.20	D	50	1.08	E	100	1.11
	F	200	1.14												
Endosulfan II	A	2.0	1.15	B	5.0	1.21	C	20	1.21	D	50	1.09	E	100	1.10
	F	200	1.10												
4,4'-DDD	A	2.0	1.03	B	5.0	0.999	C	20	1.03	D	50	0.931	E	100	0.965
	F	200	0.996												

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Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Endrin Aldehyde	A	2.0	0.894	B	5.0	1.03	C	20	1.05	D	50	0.927	E	100	0.935
	F	200	0.931												
Endosulfan Sulfate	A	2.0	1.08	B	5.0	1.16	C	20	1.17	D	50	1.05	E	100	1.06
	F	200	1.06												
4,4'-DDT	A	2.0	0.865	B	5.0	0.937	C	20	1.04	D	50	0.964	E	100	1.01
	F	200	1.05												
Toxaphene {1}				G	100	0.0183	H	250	0.0174	I	500	0.0184	J	1000	0.0187
	K	2000	0.0177	L	5000	0.0174									
Toxaphene {2}				G	100	0.0137	H	250	0.0123	I	500	0.0133	J	1000	0.0130
	K	2000	0.0120	L	5000	0.0124									
Toxaphene {3}				G	100	0.00753	H	250	0.00647	I	500	0.00695	J	1000	0.00691
	K	2000	0.00622	L	5000	0.00610									

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Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Toxaphene {4}				G	100	0.0120	H	250	0.0110	I	500	0.0112	J	1000	0.0114
	K	2000	0.0110	L	5000	0.0107									
Toxaphene {5}				G	100	0.00716	H	250	0.00711	I	500	0.00737	J	1000	0.00768
	K	2000	0.00712	L	5000	0.00701									
Toxaphene {6}				G	100	0.0173	H	250	0.0158	I	500	0.0170	J	1000	0.0181
	K	2000	0.0178	L	5000	0.0181									
Chlordane {1}							M	25	0.0476	N	50	0.0450	O	100	0.0446
	P	500	0.0446	Q	1000	0.0415	R	2000	0.0407						
Chlordane {2}							M	25	0.0576	N	50	0.0571	O	100	0.0591
	P	500	0.0596	Q	1000	0.0566	R	2000	0.0560						
Chlordane {3}							M	25	0.124	N	50	0.121	O	100	0.125
	P	500	0.126	Q	1000	0.118	R	2000	0.119						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Chlordane {4}															
							M	25	0.0725	N	50	0.0725	O	100	0.0735
	P	500	0.0728	Q	1000	0.0677	R	2000	0.0647						
Chlordane {5}															
							M	25	0.0344	N	50	0.0336	O	100	0.0341
	P	500	0.0384	Q	1000	0.0362	R	2000	0.0363						
Chlordane {6}															
							M	25	0.103	N	50	0.101	O	100	0.105
	P	500	0.104	Q	1000	0.0980	R	2000	0.0972						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Tetrachloro-m-xylene	SURR	AverageRF	% RSD	4.6		≤ 20	1.02		
Decachlorobiphenyl	SURR	AverageRF	% RSD	11.3		≤ 20	1.17		
alpha-BHC	MS	AverageRF	% RSD	6.7		≤ 20	1.47		
beta-BHC	MS	AverageRF	% RSD	6.3		≤ 20	0.686		
gamma-BHC (Lindane)	MS	AverageRF	% RSD	4.2		≤ 20	1.42		
delta-BHC	MS	AverageRF	% RSD	5.5		≤ 20	1.42		
Heptachlor	MS	AverageRF	% RSD	4.6		≤ 20	1.38		
Aldrin	MS	AverageRF	% RSD	3.0		≤ 20	1.27		
Heptachlor Epoxide	MS	AverageRF	% RSD	4.8		≤ 20	1.24		
Endosulfan I	MS	AverageRF	% RSD	5.3		≤ 20	1.16		
Dieldrin	MS	AverageRF	% RSD	3.5		≤ 20	1.24		
4,4'-DDE	MS	AverageRF	% RSD	4.2		≤ 20	1.16		
Endrin	MS	AverageRF	% RSD	4.4		≤ 20	1.12		
Endosulfan II	MS	AverageRF	% RSD	5.1		≤ 20	1.14		
4,4'-DDD	MS	AverageRF	% RSD	3.9		≤ 20	0.992		
Endrin Aldehyde	MS	AverageRF	% RSD	6.6		≤ 20	0.961		
Endosulfan Sulfate	MS	AverageRF	% RSD	5.1		≤ 20	1.10		
4,4'-DDT	MS	AverageRF	% RSD	7.3		≤ 20	0.979		
Toxaphene {1}	MULTI	AverageRF	% RSD	3.1		≤ 20	0.0180		
Toxaphene {2}	MULTI	AverageRF	% RSD	5.2		≤ 20	0.0128		
Toxaphene {3}	MULTI	AverageRF	% RSD	8.0		≤ 20	0.00669		
Toxaphene {4}	MULTI	AverageRF	% RSD	4.0		≤ 20	0.0112		
Toxaphene {5}	MULTI	AverageRF	% RSD	3.4		≤ 20	0.00724		
Toxaphene {6}	MULTI	AverageRF	% RSD	5.0		≤ 20	0.0173		
Chlordane {1}	MULTI	AverageRF	% RSD	5.7		≤ 20	0.0440		
Chlordane {2}	MULTI	AverageRF	% RSD	2.5		≤ 20	0.0577		
Chlordane {3}	MULTI	AverageRF	% RSD	2.6		≤ 20	0.122		
Chlordane {4}	MULTI	AverageRF	% RSD	5.1		≤ 20	0.0706		
Chlordane {5}	MULTI	AverageRF	% RSD	5.0		≤ 20	0.0355		
Chlordane {6}	MULTI	AverageRF	% RSD	3.3		≤ 20	0.101		

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010
Date Analyzed: 10/14/2010 - 10/15/2010

Second Source Calibration Verification
Organochlorine Pesticides

Calibration Type: Internal Standard
Analysis Method: 8081A

Calibration ID: CAL9961
Units: ug/L

File ID: J:\GC23\DATA\101410\1014F010.D\1014F010c.d
J:\GC23\DATA\101410\1014F011.D\1014F011c.d
J:\GC23\DATA\101410\1014F018.D\1014F018c.d
J:\GC23\DATA\101410\1014F025.D\1014F025c.d
J:\GC23\DATA\101410\1014F032.D\1014F032c.d
J:\GC23\DATA\101410\1014F039.D\1014F039c.d

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
alpha-BHC	40	39	1.47	1.42	-3	NA	± 20 %	AverageRF
beta-BHC	40	38	0.686	0.656	-4	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	40	38	1.42	1.36	-4	NA	± 20 %	AverageRF
delta-BHC	40	39	1.42	1.39	-2	NA	± 20 %	AverageRF
Heptachlor	40	39	1.38	1.33	-4	NA	± 20 %	AverageRF
Aldrin	40	38	1.27	1.20	-6	NA	± 20 %	AverageRF
Heptachlor Epoxide	40	38	1.24	1.19	-5	NA	± 20 %	AverageRF
Endosulfan I	40	38	1.16	1.12	-4	NA	± 20 %	AverageRF
Dieldrin	40	37	1.24	1.17	-6	NA	± 20 %	AverageRF
4,4'-DDE	40	40	1.16	1.15	-1	NA	± 20 %	AverageRF
Endrin	40	35	1.12	0.994	-11	NA	± 20 %	AverageRF
Endosulfan II	40	38	1.14	1.08	-5	NA	± 20 %	AverageRF
4,4'-DDD	40	39	0.992	0.974	-2	NA	± 20 %	AverageRF
Endrin Aldehyde	40	40	0.961	0.953	-1	NA	± 20 %	AverageRF
Endosulfan Sulfate	40	38	1.10	1.04	-6	NA	± 20 %	AverageRF
4,4'-DDT	40	40	0.979	0.968	-1	NA	± 20 %	AverageRF
Toxaphene {1}	1000	1100	0.0180	0.0206	15	NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100	0.0128	0.0147	15	NA	± 100 %	AverageRF
Toxaphene {3}	1000	1100	0.00669	0.00721	8	NA	± 100 %	AverageRF
Toxaphene {4}	1000	1100	0.0112	0.0127	13	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1200	0.00724	0.00865	19	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1100	0.0173	0.0198	14	NA	± 100 %	AverageRF
Toxaphene	1000	1100	NA	NA	NA	14	± 20 %	NA
Chlordane {1}	800	630	0.0440	0.0349	-21	NA	± 100 %	AverageRF
Chlordane {2}	800	980	0.0577	0.0710	23	NA	± 100 %	AverageRF
Chlordane {3}	800	850	0.122	0.130	7	NA	± 100 %	AverageRF
Chlordane {4}	800	1100	0.0706	0.0976	38	NA	± 100 %	AverageRF
Chlordane {5}	800	970	0.0355	0.0431	21	NA	± 100 %	AverageRF
Chlordane {6}	800	750	0.101	0.0953	-6	NA	± 100 %	AverageRF
Chlordane	800	880	NA	NA	NA	10	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/25/2010

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081A

Calibration Date: 10/14/2010
Calibration ID: CAL9961
Analysis Lot: KWG1012938
Units: ug/L

File ID: J:\GC23\DATA\112510\1125F004.D
J:\GC23\DATA\112510\1125F005.D
J:\GC23\DATA\112510\1125F006.D

Column ID: DB XLB

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Tetrachloro-m-xylene	50	51		1.09	1.11	2		NA	± 20 %	AverageRF
Decachlorobiphenyl	50	64		0.879	1.13	28	*	NA	± 20 %	AverageRF
alpha-BHC	50	48		1.57	1.50	-5		NA	± 20 %	AverageRF
beta-BHC	50	49		0.716	0.701	-2		NA	± 20 %	AverageRF
gamma-BHC (Lindane)	50	48		1.49	1.42	-4		NA	± 20 %	AverageRF
delta-BHC	50	45		1.46	1.31	-11		NA	± 20 %	AverageRF
Heptachlor	50	51		1.47	1.51	3		NA	± 20 %	AverageRF
Aldrin	50	47		1.40	1.31	-7		NA	± 20 %	AverageRF
Heptachlor Epoxide	50	49		1.34	1.32	-1		NA	± 20 %	AverageRF
Endosulfan I	50	48		1.22	1.18	-3		NA	± 20 %	AverageRF
Dieldrin	50	47		1.34	1.25	-6		NA	± 20 %	AverageRF
4,4'-DDE	50	47		1.22	1.16	-5		NA	± 20 %	AverageRF
Endrin	50	47		1.18	1.11	-6		NA	± 20 %	AverageRF
Endosulfan II	50	47		1.20	1.12	-6		NA	± 20 %	AverageRF
4,4'-DDD	50	45		1.07	0.974	-9		NA	± 20 %	AverageRF
Endrin Aldehyde	50	49		0.980	0.956	-2		NA	± 20 %	AverageRF
Endosulfan Sulfate	50	49		1.11	1.09	-2		NA	± 20 %	AverageRF
4,4'-DDT	50	44		1.11	0.972	-12		NA	± 20 %	AverageRF
Toxaphene {1}	1000	1000		0.00692	0.00725	5		NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100		0.0162	0.0172	6		NA	± 100 %	AverageRF
Toxaphene {3}	1000	1100		0.0124	0.0130	5		NA	± 100 %	AverageRF
Toxaphene {4}	1000	1000		0.0181	0.0187	4		NA	± 100 %	AverageRF
Toxaphene {5}	1000	970		0.0148	0.0144	-3		NA	± 100 %	AverageRF
Toxaphene {6}	1000	1100		0.0235	0.0255	8		NA	± 100 %	AverageRF
Toxaphene	1000	1000		NA	NA	NA		4	± 20 %	NA
Chlordane {1}	500	560		0.0500	0.0565	13		NA	± 100 %	AverageRF
Chlordane {2}	500	560		0.0671	0.0756	13		NA	± 100 %	AverageRF
Chlordane {3}	500	570		0.0454	0.0517	14		NA	± 100 %	AverageRF
Chlordane {4}	500	570		0.147	0.167	14		NA	± 100 %	AverageRF
Chlordane {5}	500	560		0.115	0.130	13		NA	± 100 %	AverageRF
Chlordane {6}	500	580		0.0780	0.0902	16		NA	± 100 %	AverageRF
Chlordane	500	570		NA	NA	NA		14	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/25/2010

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081A

Calibration Date: 10/14/2010
Calibration ID: CAL9961
Analysis Lot: KWG1012938
Units: ug/L

File ID: J:\GC23\DATA\112510\1125F004.D\1125F004C.D
J:\GC23\DATA\112510\1125F005.D\1125F005C.D
J:\GC23\DATA\112510\1125F006.D\1125F006C.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Tetrachloro-m-xylene	50	48		1.02	0.981	-4	NA	± 20 %	AverageRF
Decachlorobiphenyl	50	49		1.17	1.13	-3	NA	± 20 %	AverageRF
alpha-BHC	50	48		1.47	1.42	-3	NA	± 20 %	AverageRF
beta-BHC	50	47		0.686	0.650	-5	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	50	48		1.42	1.36	-4	NA	± 20 %	AverageRF
delta-BHC	50	46		1.42	1.31	-7	NA	± 20 %	AverageRF
Heptachlor	50	48		1.38	1.32	-4	NA	± 20 %	AverageRF
Aldrin	50	48		1.27	1.23	-4	NA	± 20 %	AverageRF
Heptachlor Epoxide	50	48		1.24	1.20	-4	NA	± 20 %	AverageRF
Endosulfan I	50	47		1.16	1.09	-6	NA	± 20 %	AverageRF
Dieldrin	50	48		1.24	1.19	-4	NA	± 20 %	AverageRF
4,4'-DDE	50	48		1.16	1.11	-4	NA	± 20 %	AverageRF
Endrin	50	48		1.12	1.09	-3	NA	± 20 %	AverageRF
Endosulfan II	50	47		1.14	1.08	-5	NA	± 20 %	AverageRF
4,4'-DDD	50	48		0.992	0.951	-4	NA	± 20 %	AverageRF
Endrin Aldehyde	50	49		0.961	0.948	-1	NA	± 20 %	AverageRF
Endosulfan Sulfate	50	48		1.10	1.05	-4	NA	± 20 %	AverageRF
4,4'-DDT	50	49		0.979	0.963	-2	NA	± 20 %	AverageRF
Toxaphene {1}	1000	1000		0.0180	0.0188	5	NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100		0.0128	0.0142	11	NA	± 100 %	AverageRF
Toxaphene {3}	1000	950		0.00669	0.00636	-5	NA	± 100 %	AverageRF
Toxaphene {4}	1000	1000		0.0112	0.0115	3	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1100		0.00724	0.00800	11	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1200		0.0173	0.0203	17	NA	± 100 %	AverageRF
Toxaphene	1000	1100		NA	NA	NA	7	± 20 %	NA
Chlordane {1}	500	520		0.0440	0.0456	4	NA	± 100 %	AverageRF
Chlordane {2}	500	540		0.0577	0.0625	8	NA	± 100 %	AverageRF
Chlordane {3}	500	540		0.122	0.131	7	NA	± 100 %	AverageRF
Chlordane {4}	500	510		0.0706	0.0720	2	NA	± 100 %	AverageRF
Chlordane {5}	500	550		0.0355	0.0390	10	NA	± 100 %	AverageRF
Chlordane {6}	500	530		0.101	0.107	5	NA	± 100 %	AverageRF
Chlordane	500	530		NA	NA	NA	6	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/26/2010

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081A

Calibration Date: 10/14/2010
Calibration ID: CAL9961
Analysis Lot: KWG1012938
Units: ug/L

File ID: J:\GC23\DATA\112510\1125F026.D
J:\GC23\DATA\112510\1125F027.D
J:\GC23\DATA\112510\1125F028.D

Column ID: DB XLB

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Tetrachloro-m-xylene	50	51		1.09	1.11	2		NA	± 20 %	AverageRF
Decachlorobiphenyl	50	64		0.879	1.13	29	*	NA	± 20 %	AverageRF
alpha-BHC	50	48		1.57	1.52	-4		NA	± 20 %	AverageRF
beta-BHC	50	50		0.716	0.713	0		NA	± 20 %	AverageRF
gamma-BHC (Lindane)	50	49		1.49	1.45	-3		NA	± 20 %	AverageRF
delta-BHC	50	45		1.46	1.33	-9		NA	± 20 %	AverageRF
Heptachlor	50	52		1.47	1.53	4		NA	± 20 %	AverageRF
Aldrin	50	48		1.40	1.33	-5		NA	± 20 %	AverageRF
Heptachlor Epoxide	50	50		1.34	1.34	0		NA	± 20 %	AverageRF
Endosulfan I	50	50		1.22	1.21	-1		NA	± 20 %	AverageRF
Dieldrin	50	48		1.34	1.29	-3		NA	± 20 %	AverageRF
4,4'-DDE	50	49		1.22	1.19	-3		NA	± 20 %	AverageRF
Endrin	50	48		1.18	1.13	-4		NA	± 20 %	AverageRF
Endosulfan II	50	48		1.20	1.15	-4		NA	± 20 %	AverageRF
4,4'-DDD	50	47		1.07	1.00	-6		NA	± 20 %	AverageRF
Endrin Aldehyde	50	50		0.980	0.980	0		NA	± 20 %	AverageRF
Endosulfan Sulfate	50	50		1.11	1.12	1		NA	± 20 %	AverageRF
4,4'-DDT	50	45		1.11	1.00	-10		NA	± 20 %	AverageRF
Toxaphene {1}	1000	1100		0.00692	0.00752	9		NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100		0.0162	0.0180	11		NA	± 100 %	AverageRF
Toxaphene {3}	1000	1100		0.0124	0.0136	10		NA	± 100 %	AverageRF
Toxaphene {4}	1000	1100		0.0181	0.0190	5		NA	± 100 %	AverageRF
Toxaphene {5}	1000	990		0.0148	0.0147	-1		NA	± 100 %	AverageRF
Toxaphene {6}	1000	1000		0.0235	0.0236	1		NA	± 100 %	AverageRF
Toxaphene	1000	1100		NA	NA	NA		6	± 20 %	NA
Chlordane {1}	500	560		0.0500	0.0556	11		NA	± 100 %	AverageRF
Chlordane {2}	500	550		0.0671	0.0745	11		NA	± 100 %	AverageRF
Chlordane {3}	500	560		0.0454	0.0513	13		NA	± 100 %	AverageRF
Chlordane {4}	500	570		0.147	0.168	14		NA	± 100 %	AverageRF
Chlordane {5}	500	570		0.115	0.131	13		NA	± 100 %	AverageRF
Chlordane {6}	500	580		0.0780	0.0907	16		NA	± 100 %	AverageRF
Chlordane	500	570		NA	NA	NA		13	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/26/2010

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081A

Calibration Date: 10/14/2010
Calibration ID: CAL9961
Analysis Lot: KWG1012938
Units: ug/L

File ID: J:\GC23\DATA\112510\1125F026.D\1125F026C.D
J:\GC23\DATA\112510\1125F027.D\1125F027C.D
J:\GC23\DATA\112510\1125F028.D\1125F028C.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Tetrachloro-m-xylene	50	48		1.02	0.979	-4	NA	± 20 %	AverageRF
Decachlorobiphenyl	50	49		1.17	1.14	-2	NA	± 20 %	AverageRF
alpha-BHC	50	48		1.47	1.42	-3	NA	± 20 %	AverageRF
beta-BHC	50	47		0.686	0.651	-5	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	50	48		1.42	1.37	-4	NA	± 20 %	AverageRF
delta-BHC	50	47		1.42	1.32	-7	NA	± 20 %	AverageRF
Heptachlor	50	48		1.38	1.33	-3	NA	± 20 %	AverageRF
Aldrin	50	49		1.27	1.24	-3	NA	± 20 %	AverageRF
Heptachlor Epoxide	50	49		1.24	1.21	-3	NA	± 20 %	AverageRF
Endosulfan I	50	47		1.16	1.10	-6	NA	± 20 %	AverageRF
Dieldrin	50	48		1.24	1.20	-4	NA	± 20 %	AverageRF
4,4'-DDE	50	49		1.16	1.13	-3	NA	± 20 %	AverageRF
Endrin	50	48		1.12	1.08	-3	NA	± 20 %	AverageRF
Endosulfan II	50	48		1.14	1.09	-5	NA	± 20 %	AverageRF
4,4'-DDD	50	48		0.992	0.954	-4	NA	± 20 %	AverageRF
Endrin Aldehyde	50	49		0.961	0.950	-1	NA	± 20 %	AverageRF
Endosulfan Sulfate	50	48		1.10	1.04	-5	NA	± 20 %	AverageRF
4,4'-DDT	50	50		0.979	0.976	0	NA	± 20 %	AverageRF
Toxaphene {1}	1000	1100		0.0180	0.0193	7	NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100		0.0128	0.0142	11	NA	± 100 %	AverageRF
Toxaphene {3}	1000	950		0.00669	0.00636	-5	NA	± 100 %	AverageRF
Toxaphene {4}	1000	1000		0.0112	0.0115	3	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1100		0.00724	0.00803	11	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1200		0.0173	0.0202	16	NA	± 100 %	AverageRF
Toxaphene	1000	1100		NA	NA	NA	7	± 20 %	NA
Chlordane {1}	500	520		0.0440	0.0454	3	NA	± 100 %	AverageRF
Chlordane {2}	500	540		0.0577	0.0626	9	NA	± 100 %	AverageRF
Chlordane {3}	500	520		0.122	0.127	4	NA	± 100 %	AverageRF
Chlordane {4}	500	520		0.0706	0.0729	3	NA	± 100 %	AverageRF
Chlordane {5}	500	520		0.0355	0.0370	4	NA	± 100 %	AverageRF
Chlordane {6}	500	520		0.101	0.107	5	NA	± 100 %	AverageRF
Chlordane	500	520		NA	NA	NA	5	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Analysis Run Log
Organochlorine Pesticides

Analysis Method: 8081A

Analysis Lot: KWG1012938
Instrument ID: GC23
Column: DB XLB

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1125F002.D	Instrument Blank	KWG1012938-1	11/25/2010	15:07		11/25/2010	15:26
1125F003.D	Performance Evaluation Mixture	KWG1012938-2	11/25/2010	15:34		11/25/2010	15:53
1125F004.D	Continuing Calibration Verification	KWG1012938-3	11/25/2010	16:01		11/25/2010	16:21
1125F005.D	Continuing Calibration Verification	KWG1012938-3	11/25/2010	16:28		11/25/2010	16:48
1125F006.D	Continuing Calibration Verification	KWG1012938-3	11/25/2010	16:54		11/25/2010	17:13
1125F008.D	Method Blank	KWG1012933-7	11/25/2010	17:48		11/25/2010	18:08
1125F009.D	Lab Control Sample	KWG1012933-5	11/25/2010	18:15		11/25/2010	18:34
1125F010.D	Lab Control Sample	KWG1012933-5	11/25/2010	18:42		11/25/2010	19:02
1125F011.D	SL0001	K1012914-001	11/25/2010	19:09		11/25/2010	19:28
1125F012.D	SL0001MS	KWG1012933-1	11/25/2010	19:35		11/25/2010	19:54
1125F013.D	SL0001DMS	KWG1012933-2	11/25/2010	20:02		11/25/2010	20:21
1125F014.D	SL0002	K1012914-002	11/25/2010	20:29		11/25/2010	20:48
1125F015.D	SL0002MS	KWG1012933-3	11/25/2010	20:56		11/25/2010	21:15
1125F016.D	SL0002DMS	KWG1012933-4	11/25/2010	21:23		11/25/2010	21:42
1125F017.D	SL0009	K1012914-009	11/25/2010	21:50		11/25/2010	22:10
1125F018.D	SL0010	K1012914-010	11/25/2010	22:17		11/25/2010	22:36
1125F019.D	SL0017	K1012914-016	11/25/2010	22:43		11/25/2010	23:03
1125F020.D	SL0018	K1012914-017	11/25/2010	23:10		11/25/2010	23:30
1125F021.D	SL0019	K1012914-018	11/25/2010	23:37		11/25/2010	23:56
1125F022.D	SL0020	K1012914-019	11/26/2010	00:04		11/26/2010	00:23
1125F024.D	Instrument Blank	KWG1012938-4	11/26/2010	00:58		11/26/2010	01:18
1125F025.D	Performance Evaluation Mixture	KWG1012938-5	11/26/2010	01:25		11/26/2010	01:45
1125F026.D	Continuing Calibration Verification	KWG1012938-6	11/26/2010	01:51		11/26/2010	02:10
1125F027.D	Continuing Calibration Verification	KWG1012938-6	11/26/2010	02:18		11/26/2010	02:37
1125F028.D	Continuing Calibration Verification	KWG1012938-6	11/26/2010	02:45		11/26/2010	03:04
1125F030.D	Method Blank	KWG1012935-1	11/26/2010	03:39		11/26/2010	03:58
1125F031.D	Lab Control Sample	KWG1012935-2	11/26/2010	04:06		11/26/2010	04:25
1125F032.D	Duplicate Lab Control Sample	KWG1012935-3	11/26/2010	04:33		11/26/2010	04:53
1125F033.D	Lab Control Sample	KWG1012935-2	11/26/2010	05:00		11/26/2010	05:20
1125F034.D	Duplicate Lab Control Sample	KWG1012935-3	11/26/2010	05:27		11/26/2010	05:47
1125F035.D	FW0001	K1012914-029	11/26/2010	05:54		11/26/2010	06:13
1125F036.D	FW0002	K1012914-030	11/26/2010	06:20		11/26/2010	06:40
1125F037.D	FW0003	K1012914-031	11/26/2010	06:47		11/26/2010	07:07

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Extracted: 11/22/2010

Extraction Prep Log
Organochlorine Pesticides

Extraction Method: EPA 3541
Analysis Method: 8081A

Extraction Lot: KWG1012933
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SL0001	K1012914-001	11/15/10	11/17/10	20.17g	10mL	83.8	
SL0002	K1012914-002	11/15/10	11/17/10	20.28g	10mL	88.2	
SL0009	K1012914-009	11/15/10	11/17/10	20.06g	10mL	85.4	
SL0010	K1012914-010	11/15/10	11/17/10	20.33g	10mL	88.7	
SL0017	K1012914-016	11/15/10	11/17/10	20.34g	10mL	82.6	
SL0018	K1012914-017	11/15/10	11/17/10	20.07g	10mL	82.0	
SL0019	K1012914-018	11/15/10	11/17/10	20.03g	10mL	84.5	
SL0020	K1012914-019	11/15/10	11/17/10	20.29g	10mL	85.1	
Method Blank	KWG1012933-7	NA	NA	20.34g	10mL	NA	
SL0001MS	KWG1012933-1	11/15/10	11/17/10	20.13g	10mL	83.8	
SL0001DMS	KWG1012933-2	11/15/10	11/17/10	20.02g	10mL	83.8	
SL0002MS	KWG1012933-3	11/15/10	11/17/10	20.03g	10mL	88.2	
SL0002DMS	KWG1012933-4	11/15/10	11/17/10	20.01g	10mL	88.2	
Lab Control Sample	KWG1012933-5	NA	NA	10.00g	10mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Extracted: 11/22/2010

Extraction Prep Log
Organochlorine Pesticides

Extraction Method: EPA 3541
Analysis Method: 8081A

Extraction Lot: KWG1012935
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
FW0001	K1012914-029	11/15/10	11/17/10	1Wipe	10mL	100	
FW0002	K1012914-030	11/16/10	11/17/10	1Wipe	10mL	100	
FW0003	K1012914-031	11/16/10	11/17/10	1Wipe	10mL	100	
Method Blank	KWG1012935-1	NA	NA	1Wipe	10mL	NA	
Lab Control Sample	KWG1012935-2	NA	NA	1Wipe	10mL	NA	
Duplicate Lab Control Sample	KWG1012935-3	NA	NA	1Wipe	10mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

Confirmation Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010
		Date Extracted:	11/22/2010

Organochlorine Pesticides

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDT	2.8	0.85	0.87	2.4	93.6	JP	1	11/25/10

COLUMBIA ANALYTICAL SERVICES, INC.

Confirmation Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010
		Date Extracted:	11/22/2010

Organochlorine Pesticides

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
Dieldrin	2.8	0.48	0.51	0.58	12.8	J	1	11/25/10
4,4'-DDT	2.8	0.85	1.6	2.5	43.9	JP	1	11/25/10

COLUMBIA ANALYTICAL SERVICES, INC.

Confirmation Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010
		Date Extracted:	11/22/2010

Organochlorine Pesticides

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDT	3.1	0.85	1.0	1.6	46.2	JP	1	11/25/10

COLUMBIA ANALYTICAL SERVICES, INC.

Confirmation Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010
		Date Extracted:	11/22/2010

Organochlorine Pesticides

Sample Name:	SL0019	**Units:**	ug/Kg
Lab Code:	K1012914-018	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDT	3.0	0.85	0.94	2.7	96.7	JP	1	11/25/10

COLUMBIA ANALYTICAL SERVICES, INC.

Confirmation Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010
		Date Extracted:	11/22/2010

Organochlorine Pesticides

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDT	2.9	0.85	1.2	3.3	93.3	JP	1	11/26/10

Organic Analysis:
Organochlorine Pesticides

Validation Package

Organic Analysis:
Organochlorine Pesticides

Validation Package

QC Reports

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Surrogate Recovery Summary
Organochlorine Pesticides

Extraction Method: EPA 3541
Analysis Method: 8081A

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2
SL0001	K1012914-001	81	83
SL0002	K1012914-002	86	78
SL0009	K1012914-009	80	73
SL0010	K1012914-010	78	77
SL0017	K1012914-016	84	75
SL0018	K1012914-017	74	63
SL0019	K1012914-018	52	47
SL0020	K1012914-019	86	80
FW0001	K1012914-029	76	86
FW0002	K1012914-030	80	87
FW0003	K1012914-031	87	85
Method Blank	KWG1012933-7	75	77
Method Blank	KWG1012935-1	74	86
SL0001MS	KWG1012933-1	79	80
SL0001DMS	KWG1012933-2	93	87
SL0002MS	KWG1012933-3	84	75
SL0002DMS	KWG1012933-4	75	66
Lab Control Sample	KWG1012933-5	71	76
Lab Control Sample	KWG1012935-2	82	83
Duplicate Lab Control Sample	KWG1012935-3	117	110

Surrogate Recovery Control Limits (%)

Sur1 =	Tetrachloro-m-xylene	70-130
Sur2 =	Decachlorobiphenyl	70-130

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:01

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F004.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene	
		Area	**RT**
	ICAL Average ==>	2,079,893	5.84
	Upper Limit ==>	4,159,787	6.34
	Lower Limit ==>	1,039,947	5.34
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	1,543,236	5.76
Method Blank	KWG1012933-7	1,611,237	5.76
Lab Control Sample	KWG1012933-5	1,693,224	5.76
Lab Control Sample	KWG1012933-5	1,665,984	5.76
SL0001	K1012914-001	1,727,044	5.75
SL0001MS	KWG1012933-1	1,806,869	5.76
SL0001DMS	KWG1012933-2	1,690,831	5.76
SL0002	K1012914-002	1,721,331	5.76
SL0002MS	KWG1012933-3	1,718,753	5.76
SL0002DMS	KWG1012933-4	1,714,974	5.76
SL0009	K1012914-009	1,761,245	5.75
SL0010	K1012914-010	1,679,139	5.76
SL0017	K1012914-016	1,653,532	5.76
SL0018	K1012914-017	1,715,794	5.75
SL0019	K1012914-018	1,690,864	5.75
SL0020	K1012914-019	1,633,289	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:01

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F004.D\1125F004C.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene	
		Area	**RT**
	ICAL Average ==>	10,626,931	5.57
	Upper Limit ==>	21,253,862	6.07
	Lower Limit ==>	5,313,466	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	11,110,005	5.51
Method Blank	KWG1012933-7	11,603,251	5.51
Lab Control Sample	KWG1012933-5	12,252,423	5.51
Lab Control Sample	KWG1012933-5	12,114,253	5.51
SL0001	K1012914-001	12,375,907	5.51
SL0001MS	KWG1012933-1	12,967,345	5.51
SL0001DMS	KWG1012933-2	12,365,478	5.51
SL0002	K1012914-002	12,476,062	5.51
SL0002MS	KWG1012933-3	12,494,151	5.51
SL0002DMS	KWG1012933-4	12,489,048	5.51
SL0009	K1012914-009	12,821,474	5.51
SL0010	K1012914-010	12,189,329	5.51
SL0017	K1012914-016	11,823,161	5.51
SL0018	K1012914-017	12,374,374	5.51
SL0019	K1012914-018	12,230,182	5.51
SL0020	K1012914-019	11,925,333	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:28

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F005.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene {2	
		Area	**RT**
	ICAL Average ==>	2,099,074	5.83
	Upper Limit ==>	4,198,148	6.33
	Lower Limit ==>	1,049,537	5.33
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	1,550,926	5.76
Method Blank	KWG1012933-7	1,611,237	5.76
Lab Control Sample	KWG1012933-5	1,665,984	5.76
SL0001	K1012914-001	1,727,044	5.75
SL0002	K1012914-002	1,721,331	5.76
SL0002MS	KWG1012933-3	1,718,753	5.76
SL0002DMS	KWG1012933-4	1,714,974	5.76
SL0009	K1012914-009	1,761,245	5.75
SL0010	K1012914-010	1,679,139	5.76
SL0017	K1012914-016	1,653,532	5.76
SL0018	K1012914-017	1,715,794	5.75
SL0019	K1012914-018	1,690,864	5.75
SL0020	K1012914-019	1,633,289	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:28

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F005.D\1125F005C.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene {2	
		Area	**RT**
	ICAL Average ==>	10,608,684	5.57
	Upper Limit ==>	21,217,368	6.07
	Lower Limit ==>	5,304,342	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	11,276,409	5.51
Method Blank	KWG1012933-7	11,603,251	5.51
Lab Control Sample	KWG1012933-5	12,114,253	5.51
SL0001	K1012914-001	12,501,599	5.51
SL0002	K1012914-002	12,476,062	5.51
SL0002MS	KWG1012933-3	12,494,151	5.51
SL0002DMS	KWG1012933-4	12,489,048	5.51
SL0009	K1012914-009	12,821,474	5.51
SL0010	K1012914-010	12,189,329	5.51
SL0017	K1012914-016	11,823,161	5.51
SL0018	K1012914-017	12,374,374	5.51
SL0019	K1012914-018	12,230,182	5.51
SL0020	K1012914-019	11,925,333	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:54

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F006.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene {3	
		Area	**RT**
	ICAL Average ==>	2,142,849	5.84
	Upper Limit ==>	4,285,699	6.34
	Lower Limit ==>	1,071,425	5.34
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	1,511,838	5.76
Method Blank	KWG1012933-7	1,611,237	5.76
Lab Control Sample	KWG1012933-5	1,665,984	5.76
SL0001	K1012914-001	1,727,044	5.75
SL0002	K1012914-002	1,721,331	5.76
SL0002MS	KWG1012933-3	1,718,753	5.76
SL0002DMS	KWG1012933-4	1,714,974	5.76
SL0009	K1012914-009	1,761,245	5.75
SL0010	K1012914-010	1,679,139	5.76
SL0017	K1012914-016	1,653,532	5.76
SL0018	K1012914-017	1,715,794	5.75
SL0019	K1012914-018	1,690,864	5.75
SL0020	K1012914-019	1,633,289	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010
		Time Analyzed:	16:54

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F006.D\1125F006C.D	**Lab Code:**	KWG1012938-3
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene {3	
		Area	**RT**
	ICAL Average ==>	10,812,308	5.57
	Upper Limit ==>	21,624,616	6.07
	Lower Limit ==>	5,406,154	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-3	11,165,494	5.52
Method Blank	KWG1012933-7	11,603,251	5.51
Lab Control Sample	KWG1012933-5	12,114,253	5.51
SL0001	K1012914-001	12,534,141	5.51
SL0002	K1012914-002	12,476,062	5.51
SL0002MS	KWG1012933-3	12,494,151	5.51
SL0002DMS	KWG1012933-4	12,489,048	5.51
SL0009	K1012914-009	12,821,474	5.51
SL0010	K1012914-010	12,189,329	5.51
SL0017	K1012914-016	11,823,161	5.51
SL0018	K1012914-017	12,374,374	5.51
SL0019	K1012914-018	12,230,182	5.51
SL0020	K1012914-019	11,925,333	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	01:51

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F026.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene	
		Area	**RT**
	ICAL Average ==>	2,079,893	5.84
	Upper Limit ==>	4,159,787	6.34
	Lower Limit ==>	1,039,947	5.34
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	1,554,998	5.76
Method Blank	KWG1012935-1	1,681,031	5.76
Lab Control Sample	KWG1012935-2	1,723,272	5.76
Duplicate Lab Control Sample	KWG1012935-3	1,680,672	5.76
Lab Control Sample	KWG1012935-2	1,823,241	5.76
Duplicate Lab Control Sample	KWG1012935-3	1,725,494	5.76
FW0001	K1012914-029	1,741,679	5.76
FW0002	K1012914-030	1,706,705	5.76
FW0003	K1012914-031	1,770,140	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/26/2010
Time Analyzed: 01:51

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID: J:\GC23\DATA\112510\1125F026.D\1125F026C.D
Instrument ID: GC23
Analysis Method: 8081A

Lab Code: KWG1012938-6
Analysis Lot: KWG1012938
Column : DB-35MS

		1-Bromo-2-nitrobenzene	
		Area	RT
	ICAL Average ==>	10,626,931	5.57
	Upper Limit ==>	21,253,862	6.07
	Lower Limit ==>	5,313,466	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	11,186,058	5.51
Method Blank	KWG1012935-1	12,096,054	5.51
Lab Control Sample	KWG1012935-2	12,405,686	5.51
Duplicate Lab Control Sample	KWG1012935-3	11,977,026	5.51
Lab Control Sample	KWG1012935-2	13,211,498	5.51
Duplicate Lab Control Sample	KWG1012935-3	12,292,892	5.51
FW0001	K1012914-029	12,540,208	5.51
FW0002	K1012914-030	12,318,658	5.51
FW0003	K1012914-031	12,576,727	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	02:18

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F027.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene {2	
		Area	**RT**
	ICAL Average ==>	2,099,074	5.83
	Upper Limit ==>	4,198,148	6.33
	Lower Limit ==>	1,049,537	5.33
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	1,595,912	5.76
Method Blank	KWG1012935-1	1,681,031	5.76
Lab Control Sample	KWG1012935-2	1,823,241	5.76
Duplicate Lab Control Sample	KWG1012935-3	1,725,494	5.76
FW0001	K1012914-029	1,741,679	5.76
FW0002	K1012914-030	1,706,705	5.76
FW0003	K1012914-031	1,770,140	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	02:18

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F027.D\1125F027C.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene {2	
		Area	**RT**
	ICAL Average ==>	10,608,684	5.57
	Upper Limit ==>	21,217,368	6.07
	Lower Limit ==>	5,304,342	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	11,637,117	5.51
Method Blank	KWG1012935-1	12,096,054	5.51
Lab Control Sample	KWG1012935-2	13,211,498	5.51
Duplicate Lab Control Sample	KWG1012935-3	12,292,892	5.51
FW0001	K1012914-029	12,540,208	5.51
FW0002	K1012914-030	12,318,658	5.51
FW0003	K1012914-031	12,576,727	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	02:45

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F028.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB XLB

		1-Bromo-2-nitrobenzene {3	
		Area	**RT**
	ICAL Average ==>	2,142,849	5.84
	Upper Limit ==>	4,285,699	6.34
	Lower Limit ==>	1,071,425	5.34
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	1,578,361	5.76
Method Blank	KWG1012935-1	1,681,031	5.76
Lab Control Sample	KWG1012935-2	1,823,241	5.76
Duplicate Lab Control Sample	KWG1012935-3	1,725,494	5.76
FW0001	K1012914-029	1,741,679	5.76
FW0002	K1012914-030	1,706,705	5.76
FW0003	K1012914-031	1,770,140	5.76

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/26/2010
		Time Analyzed:	02:45

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID:	J:\GC23\DATA\112510\1125F028.D\1125F028C.D	**Lab Code:**	KWG1012938-6
Instrument ID:	GC23	**Analysis Lot:**	KWG1012938
Analysis Method:	8081A	**Column :**	DB-35MS

		1-Bromo-2-nitrobenzene {3	
		Area	**RT**
	ICAL Average ==>	10,812,308	5.57
	Upper Limit ==>	21,624,616	6.07
	Lower Limit ==>	5,406,154	5.07
Associated Analyses			
Continuing Calibration Verificati	KWG1012938-6	11,539,316	5.51
Method Blank	KWG1012935-1	12,096,054	5.51
Lab Control Sample	KWG1012935-2	13,211,498	5.51
Duplicate Lab Control Sample	KWG1012935-3	12,292,892	5.51
FW0001	K1012914-029	12,540,208	5.51
FW0002	K1012914-030	12,318,658	5.51
FW0003	K1012914-031	12,576,727	5.51

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010

Matrix Spike/Duplicate Matrix Spike Summary
Organochlorine Pesticides

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012933

		SL0001MS KWG1012933-1 Matrix Spike			SL0001DMS KWG1012933-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
alpha-BHC	ND	45.2	59.3	76	53.9	59.6	90	23-133	18	40
beta-BHC	ND	47.8	59.3	81	53.1	59.6	89	22-142	10	40
gamma-BHC (Lindane)	ND	45.4	59.3	77	53.6	59.6	90	26-135	17	40
delta-BHC	ND	47.7	59.3	81	55.6	59.6	93	25-148	15	40
Heptachlor	ND	45.1	59.3	76	53.2	59.6	89	21-136	17	40
Aldrin	ND	43.9	59.3	74	52.3	59.6	88	22-135	17	40
Heptachlor Epoxide	ND	46.4	59.3	78	53.4	59.6	90	25-129	14	40
Endosulfan I	ND	41.7	59.3	70	47.6	59.6	80	15-119	13	40
Dieldrin	ND	46.4	59.3	78	53.2	59.6	89	26-133	14	40
4,4'-DDE	ND	48.4	59.3	82	56.6	59.6	95	22-142	16	40
Endrin	ND	44.1	59.3	74	52.0	59.6	87	22-145	16	40
Endosulfan II	ND	44.0	59.3	74	49.4	59.6	83	13-129	11	40
4,4'-DDD	ND	44.2	59.3	75	50.8	59.6	85	19-143	14	40
Endrin Aldehyde	ND	46.3	59.3	78	53.5	59.6	90	10-129	15	40
Endosulfan Sulfate	ND	46.3	59.3	78	53.1	59.6	89	20-134	14	40
4,4'-DDT	ND	46.7	59.3	79	55.2	59.6	93	19-154	17	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010

Matrix Spike/Duplicate Matrix Spike Summary
Organochlorine Pesticides

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012933

		SL0002MS KWG1012933-3 Matrix Spike			SL0002DMS KWG1012933-4 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Toxaphene	ND	540	566	95	475	567	84	20-155	13	40
Chlordane	ND	570	566	101	489	567	86	46-139	15	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010

Lab Control Spike Summary
Organochlorine Pesticides

Extraction Method:	EPA 3541	**Units:**	ug/Kg
Analysis Method:	8081A	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1012933

	Lab Control Sample KWG1012933-5 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
alpha-BHC	71.5	100	71	36-139
beta-BHC	72.9	100	73	38-142
gamma-BHC (Lindane)	71.3	100	71	40-142
delta-BHC	72.4	100	72	48-145
Heptachlor	70.2	100	70	39-135
Aldrin	67.2	100	67	37-134
Heptachlor Epoxide	72.7	100	73	45-118
Endosulfan I	65.3	100	65	35-121
Dieldrin	72.8	100	73	46-136
4,4'-DDE	74.4	100	74	46-141
Endrin	65.8	100	66	40-152
Endosulfan II	68.6	100	69	39-128
4,4'-DDD	71.3	100	71	46-146
Endrin Aldehyde	74.8	100	75	32-132
Endosulfan Sulfate	73.6	100	74	43-138
4,4'-DDT	71.8	100	72	46-151
Toxaphene	870	1000	87	53-133
Chlordane	903	1000	90	52-140

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Extracted: 11/22/2010
Date Analyzed: 11/26/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Organochlorine Pesticides

Extraction Method: EPA 3541
Analysis Method: 8081A

Units: ug/WIPE
Basis: Dry
Level: Low
Extraction Lot: KWG1012935

	Lab Control Sample KWG1012935-2 Lab Control Spike			Duplicate Lab Control Sample KWG1012935-3 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
alpha-BHC	0.775	1.00	77	1.20	1.00	120	70-130	43 *	40
beta-BHC	0.788	1.00	79	1.17	1.00	117	70-130	39	40
gamma-BHC (Lindane)	0.770	1.00	77	1.18	1.00	118	70-130	42 *	40
delta-BHC	0.802	1.00	80	1.20	1.00	120	70-130	40	40
Heptachlor	0.752	1.00	75	1.16	1.00	116	70-130	43 *	40
Aldrin	0.726	1.00	73	1.15	1.00	115	70-130	45 *	40
Heptachlor Epoxide	0.777	1.00	78	1.16	1.00	116	70-130	40	40
Endosulfan I	0.701	1.00	70	1.04	1.00	104	70-130	39	40
Dieldrin	0.794	1.00	79	1.18	1.00	118	70-130	39	40
4,4'-DDE	0.831	1.00	83	1.20	1.00	120	70-130	36	40
Endrin	0.733	1.00	73	1.10	1.00	110	70-130	40	40
Endosulfan II	0.746	1.00	75	1.07	1.00	107	70-130	35	40
4,4'-DDD	0.757	1.00	76	1.11	1.00	111	70-130	38	40
Endrin Aldehyde	0.800	1.00	80	1.16	1.00	116	70-130	37	40
Endosulfan Sulfate	0.801	1.00	80	1.13	1.00	113	70-130	34	40
4,4'-DDT	0.807	1.00	81	1.16	1.00	116	70-130	36	40
Toxaphene	8.93	10.0	89	8.82	10.0	88	70-130	1	40
Chlordane	10.1	10.0	101	10.1	10.0	101	70-130	0	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010
		Time Analyzed:	17:48

Method Blank Summary
Organochlorine Pesticides

Sample Name:	Method Blank	**File ID:**	J:\GC23\DATA\112510\1125F008.D
Lab Code:	KWG1012933-7	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012933

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012933-5	J:\GC23\DATA\112510\1125F009.D	11/25/10	18:15
Lab Control Sample	KWG1012933-5	J:\GC23\DATA\112510\1125F010.D	11/25/10	18:42
SL0001	K1012914-001	J:\GC23\DATA\112510\1125F011.D	11/25/10	19:09
SL0001MS	KWG1012933-1	J:\GC23\DATA\112510\1125F012.D	11/25/10	19:35
SL0001DMS	KWG1012933-2	J:\GC23\DATA\112510\1125F013.D	11/25/10	20:02
SL0002	K1012914-002	J:\GC23\DATA\112510\1125F014.D	11/25/10	20:29
SL0002MS	KWG1012933-3	J:\GC23\DATA\112510\1125F015.D	11/25/10	20:56
SL0002DMS	KWG1012933-4	J:\GC23\DATA\112510\1125F016.D	11/25/10	21:23
SL0009	K1012914-009	J:\GC23\DATA\112510\1125F017.D	11/25/10	21:50
SL0010	K1012914-010	J:\GC23\DATA\112510\1125F018.D	11/25/10	22:17
SL0017	K1012914-016	J:\GC23\DATA\112510\1125F019.D	11/25/10	22:43
SL0018	K1012914-017	J:\GC23\DATA\112510\1125F020.D	11/25/10	23:10
SL0019	K1012914-018	J:\GC23\DATA\112510\1125F021.D	11/25/10	23:37
SL0020	K1012914-019	J:\GC23\DATA\112510\1125F022.D	11/26/10	00:04

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/26/2010
		Time Analyzed:	03:39

Method Blank Summary
Organochlorine Pesticides

Sample Name:	Method Blank	**File ID:**	J:\GC23\DATA\112510\1125F030.D
Lab Code:	KWG1012935-1	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012935

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012935-2	J:\GC23\DATA\112510\1125F031.D	11/26/10	04:06
Duplicate Lab Control Sample	KWG1012935-3	J:\GC23\DATA\112510\1125F032.D	11/26/10	04:33
Lab Control Sample	KWG1012935-2	J:\GC23\DATA\112510\1125F033.D	11/26/10	05:00
Duplicate Lab Control Sample	KWG1012935-3	J:\GC23\DATA\112510\1125F034.D	11/26/10	05:27
FW0001	K1012914-029	J:\GC23\DATA\112510\1125F035.D	11/26/10	05:54
FW0002	K1012914-030	J:\GC23\DATA\112510\1125F036.D	11/26/10	06:20
FW0003	K1012914-031	J:\GC23\DATA\112510\1125F037.D	11/26/10	06:47

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010
		Time Analyzed:	18:15

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name:	Lab Control Sample	**File ID:**	J:\GC23\DATA\112510\1125F009.D
Lab Code:	KWG1012933-5	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012933

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012933-7	J:\GC23\DATA\112510\1125F008.D	11/25/10	17:48
SL0001	K1012914-001	J:\GC23\DATA\112510\1125F011.D	11/25/10	19:09
SL0001MS	KWG1012933-1	J:\GC23\DATA\112510\1125F012.D	11/25/10	19:35
SL0001DMS	KWG1012933-2	J:\GC23\DATA\112510\1125F013.D	11/25/10	20:02
SL0002	K1012914-002	J:\GC23\DATA\112510\1125F014.D	11/25/10	20:29
SL0002MS	KWG1012933-3	J:\GC23\DATA\112510\1125F015.D	11/25/10	20:56
SL0002DMS	KWG1012933-4	J:\GC23\DATA\112510\1125F016.D	11/25/10	21:23
SL0009	K1012914-009	J:\GC23\DATA\112510\1125F017.D	11/25/10	21:50
SL0010	K1012914-010	J:\GC23\DATA\112510\1125F018.D	11/25/10	22:17
SL0017	K1012914-016	J:\GC23\DATA\112510\1125F019.D	11/25/10	22:43
SL0018	K1012914-017	J:\GC23\DATA\112510\1125F020.D	11/25/10	23:10
SL0019	K1012914-018	J:\GC23\DATA\112510\1125F021.D	11/25/10	23:37
SL0020	K1012914-019	J:\GC23\DATA\112510\1125F022.D	11/26/10	00:04

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/25/2010
		Time Analyzed:	18:42

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name:	Lab Control Sample	**File ID:**	J:\GC23\DATA\112510\1125F010.D
Lab Code:	KWG1012933-5	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012933

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
SL0002DMS	KWG1012933-4	J:\GC23\DATA\112510\1125F016.D	11/25/10	21:23
SL0009	K1012914-009	J:\GC23\DATA\112510\1125F017.D	11/25/10	21:50
SL0010	K1012914-010	J:\GC23\DATA\112510\1125F018.D	11/25/10	22:17
SL0017	K1012914-016	J:\GC23\DATA\112510\1125F019.D	11/25/10	22:43
SL0018	K1012914-017	J:\GC23\DATA\112510\1125F020.D	11/25/10	23:10
SL0019	K1012914-018	J:\GC23\DATA\112510\1125F021.D	11/25/10	23:37
Method Blank	KWG1012933-7	J:\GC23\DATA\112510\1125F008.D	11/25/10	17:48
SL0001	K1012914-001	J:\GC23\DATA\112510\1125F011.D	11/25/10	19:09
SL0001MS	KWG1012933-1	J:\GC23\DATA\112510\1125F012.D	11/25/10	19:35
SL0001DMS	KWG1012933-2	J:\GC23\DATA\112510\1125F013.D	11/25/10	20:02
SL0002	K1012914-002	J:\GC23\DATA\112510\1125F014.D	11/25/10	20:29
SL0002MS	KWG1012933-3	J:\GC23\DATA\112510\1125F015.D	11/25/10	20:56
SL0020	K1012914-019	J:\GC23\DATA\112510\1125F022.D	11/26/10	00:04

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/26/2010
		Time Analyzed:	04:06

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name:	Lab Control Sample	**File ID:**	J:\GC23\DATA\112510\1125F031.D
Lab Code:	KWG1012935-2	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012935

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012935-1	J:\GC23\DATA\112510\1125F030.D	11/26/10	03:39
FW0001	K1012914-029	J:\GC23\DATA\112510\1125F035.D	11/26/10	05:54
FW0002	K1012914-030	J:\GC23\DATA\112510\1125F036.D	11/26/10	06:20
FW0003	K1012914-031	J:\GC23\DATA\112510\1125F037.D	11/26/10	06:47

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/26/2010
		Time Analyzed:	05:00

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name:	Lab Control Sample	**File ID:**	J:\GC23\DATA\112510\1125F033.D
Lab Code:	KWG1012935-2	**Instrument ID:**	GC23
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A	**Extraction Lot:**	KWG1012935

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012935-1	J:\GC23\DATA\112510\1125F030.D	11/26/10	03:39
FW0001	K1012914-029	J:\GC23\DATA\112510\1125F035.D	11/26/10	05:54
FW0002	K1012914-030	J:\GC23\DATA\112510\1125F036.D	11/26/10	06:20
FW0003	K1012914-031	J:\GC23\DATA\112510\1125F037.D	11/26/10	06:47

Organic Analysis:
Organochlorine Pesticides

Validation Package

Raw Data

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	U	3.0	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	150	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	60	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	21-112	11/25/10	Acceptable
Decachlorobiphenyl	83	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F011.D	**Date Acquired:**	11/25/2010 19:09
Lab ID:	K1012914-001	**Date Quantitated:**	11/26/2010 11:21
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	No
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.75	NA	NA	LA
	1-Bromo-2-nitrobenzene {2}	5.75	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.75	NA	NA	

Primary Review: 11/29/10

Secondary Review: 12/2/10

Exception Report

Data File:	J:\GC23\DATA\112510\1125F011.D\1125F011C.D	**Date Acquired:**	11/25/2010 19:09
Lab ID:	K1012914-001	**Date Quantitated:**	11/26/2010 11:21
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SR
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981912	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12116
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F011.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F011.D\1125F011c.d			**Vial:**	16
Acqu Date:	11/25/2010 19:09	**Quant Date:**	11/26/2010 11:21	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-001				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.75	-0.09 c	5.51	-0.06 c	1727044	12375907m	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.75	-0.08 c	5.51	-0.05 c	1727044	12501599m	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.75	-0.09 c	5.51	-0.06 c	1727044	12534141m	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.03	-0.01	7.06	3038078	19038983	80.92	75.58			81OK
					%Recovery =		81OK	76OK	Limits =	21-112	
1	Decachlorobiphenyl	16.49		15.59	3353576	24075689	110.42CCV	83.42			83OK
					%Recovery =		110OK	83OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC			0	0	0.0000	0.0000	0.35U	0.35U	0.35U
1	beta-BHC			0	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)			0	0	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC			0	0	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor			0	0	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin			0	0	0.0000	0.0000	0.34U	0.34U	0.34U
1	Heptachlor Epoxide			0	0d	0.0000	0.0000	0.39U	0.39U	0.39U
1	Endosulfan I			0	0d	0.0000	0.0000	1.7U	1.7U	1.7U
1	Dieldrin			0	0d	0.0000	0.0000	0.48U	0.48U	0.48U
1	4,4'-DDE			0	0d	0.0000	0.0000	1.6U	1.6U	1.6U
1	Endrin			0	0d	0.0000	0.0000	0.45U	0.45U	0.45U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F011.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F011.D\1125F011c.d			**Vial:**	16
Acqu Date:	11/25/2010 19:09	**Quant Date:**	11/26/2010 11:21	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-001				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	Endosulfan II			0d	0d	0.0000	0.0000	0.86U	0.86U	0.86U
1	4,4'-DDD			0d	0d	0.0000	0.0000	1.0U	1.0U	1.0U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate			0	0d	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT			0	0d	0.0000	0.0000	0.85U	0.85U	0.85U
	Toxaphene			0	0	0.0000	86.86	37U	51J	37U
2	Toxaphene {1}		12.27 -0.03	0	153111	0.0000	34.08	37U	37U	
2	Toxaphene {2}		12.37 -0.01	0	110141	0.0000	34.49	37U	37U	
2	Toxaphene {3}		12.56 -0.01	0	296705	0.0000	177.25	37U	100J	
2	Toxaphene {4}		12.81	0	76616	0.0000	27.33	37U	37U	
2	Toxaphene {5}		13.00 -0.02	0	120649	0.0000	66.63	37U	39J	
2	Toxaphene {6}		13.48 -0.02	0	786291	0.0000	181.41	37U	110J	
	Chlordane			0	0	0.0000	6.93	22U	22U	22U
3	Chlordane {1}			0d	0	0.0000	0.0000	22U	22U	
3	Chlordane {2}		9.19 -0.06	0	353073	0.0000	24.42	22U	22U	
3	Chlordane {3}		10.93 -0.01	0	62804	0.0000	2.05	22U	22U	
3	Chlordane {4}		10.97 -0.01	0	40645	0.0000	2.30	22U	22U	
3	Chlordane {5}		11.03 -0.01	0	31958	0.0000	3.59	22U	22U	
3	Chlordane {6}		11.08 -0.01	0	57696	0.0000	2.27	22U	22U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.17 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1
Solids:	83.8 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F011.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\112510\1125F011.D\ECD2B.CH
Acq On : 25 Nov 2010 7:09 pm Operator: CCotnam
Sample : K1012914-001 | SL0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914001. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:31 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.75	5.51	1727044	12375907	50.000	50.000m	
26)		1-Bromo-2-nitrob	5.75	5.51	1727044	12501599	50.000	50.000m	
33)		1-Bromo-2-nitrob	5.75	5.51	1727044	12534141	50.000	50.000m	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.03	7.06	3038078	19038983	80.918	75.576	
25)	s	Decachlorobiphen	16.49f	15.59	3353576	24075689	110.415	83.416	
		Target Compounds							
24)		Methoxychlor	14.15	13.67f	14163	50817	0.675m	0.372	#
27)		Toxaphene	0.00	12.27f	0	153111	N.D.	34.079	#
28)		Toxaphene {2}	0.00	12.37	0	110141	N.D.	34.488	#
29)		Toxaphene {3}	0.00	12.56	0	296705	N.D.	177.251	#
30)		Toxaphene {4}	0.00	12.81	0	76616	N.D.	27.325	#
31)		Toxaphene {5}	0.00	13.00f	0	120649	N.D.	66.625	#
32)		Toxaphene {6}	0.00	13.48	0	786291	N.D.	181.406	#
35)		Chlordane {2}	0.00	9.19f	0	353073	N.D.	24.421	#
36)		Chlordane {3}	0.00	10.93	0	62804	N.D.	2.050	#
37)		Chlordane {4}	0.00	10.97	0	40645	N.D.	2.296	#
38)		Chlordane {5}	0.00	11.03	0	31958	N.D.	3.590	#
39)		Chlordane {6}	0.00	11.08	0	57696	N.D.	2.269	#

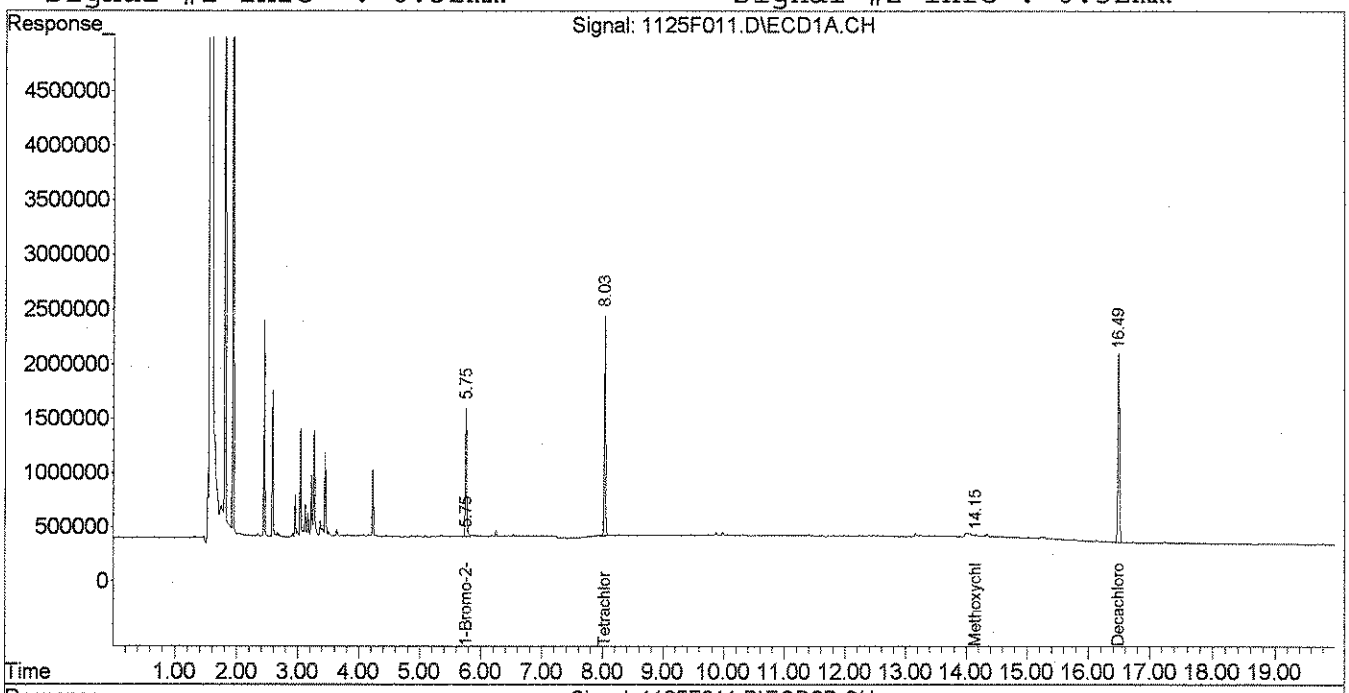
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

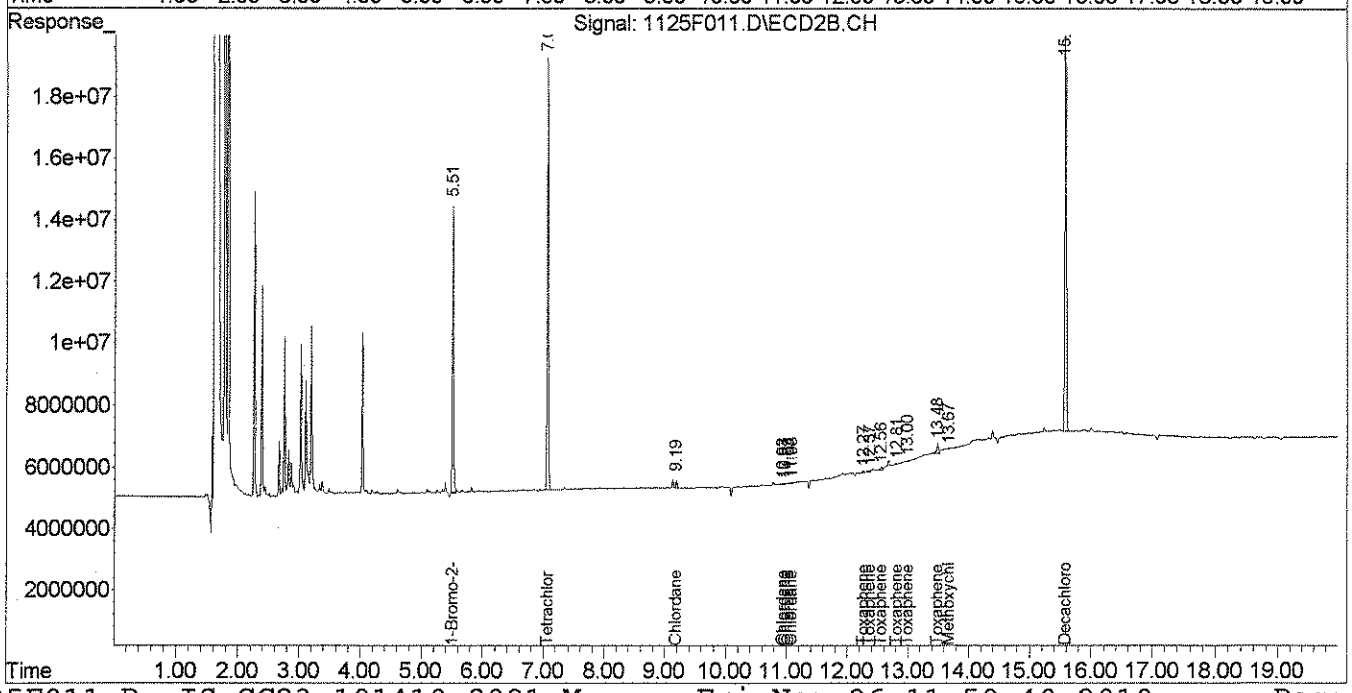
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F011.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\112510\1125F011.D\ECD2B.CH
Acq On : 25 Nov 2010 7:09 pm Operator: CCotnam
Sample : K1012914-001 | SL0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914001. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:21 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

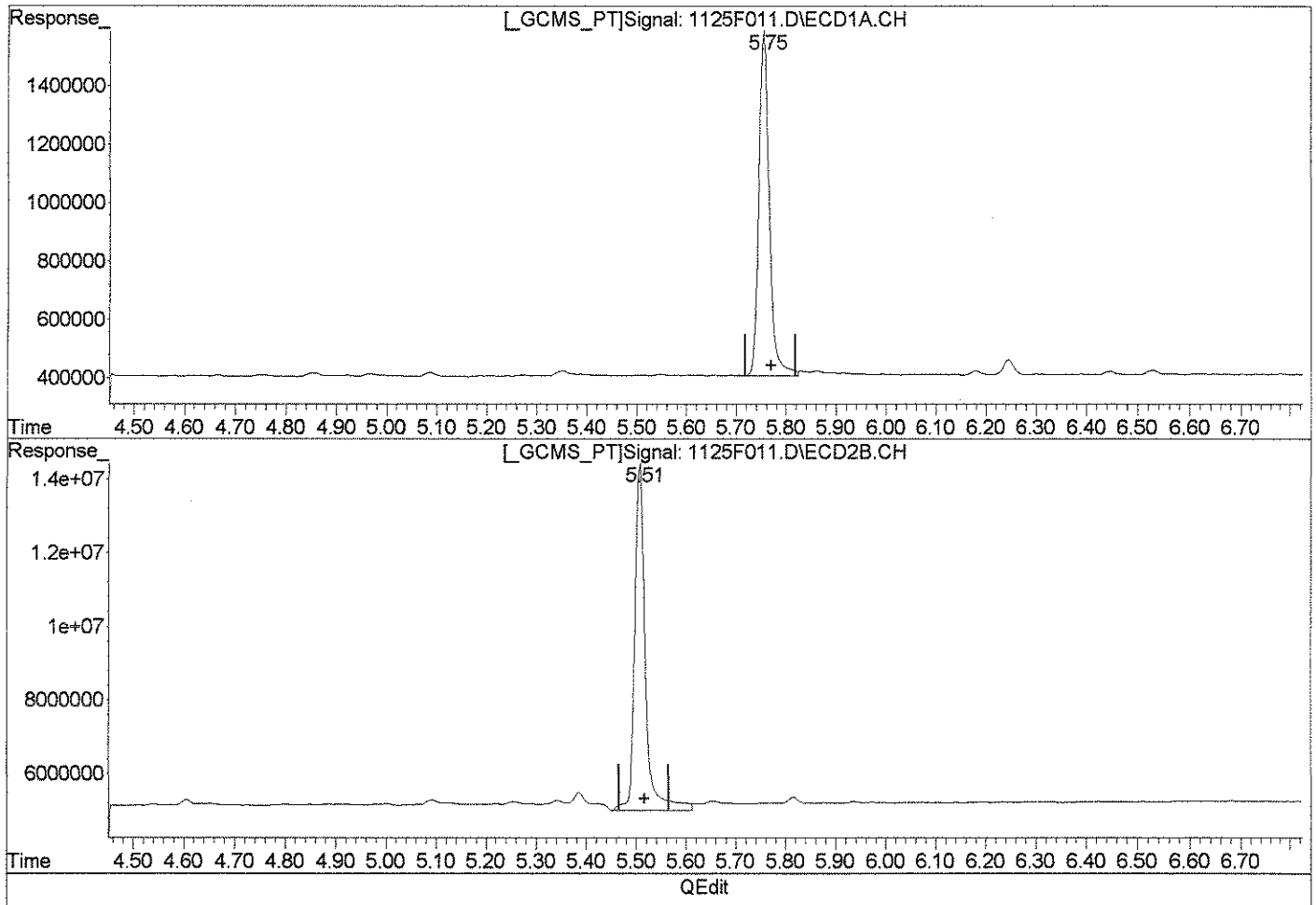




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F011.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\112510\1125F011.D\ECD2B.CH
Acq On : 25 Nov 2010 7:09 pm Operator: CCotnam
Sample : K1012914-001 | SL0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914001. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(1) 1-Bromo-2-nitrobenzene (i)

5.75min 50.000ug/L

response 1727044

(1) 1-Bromo-2-nitrobenzene #2 (i)

5.51min 50.000ug/L

response 14046004

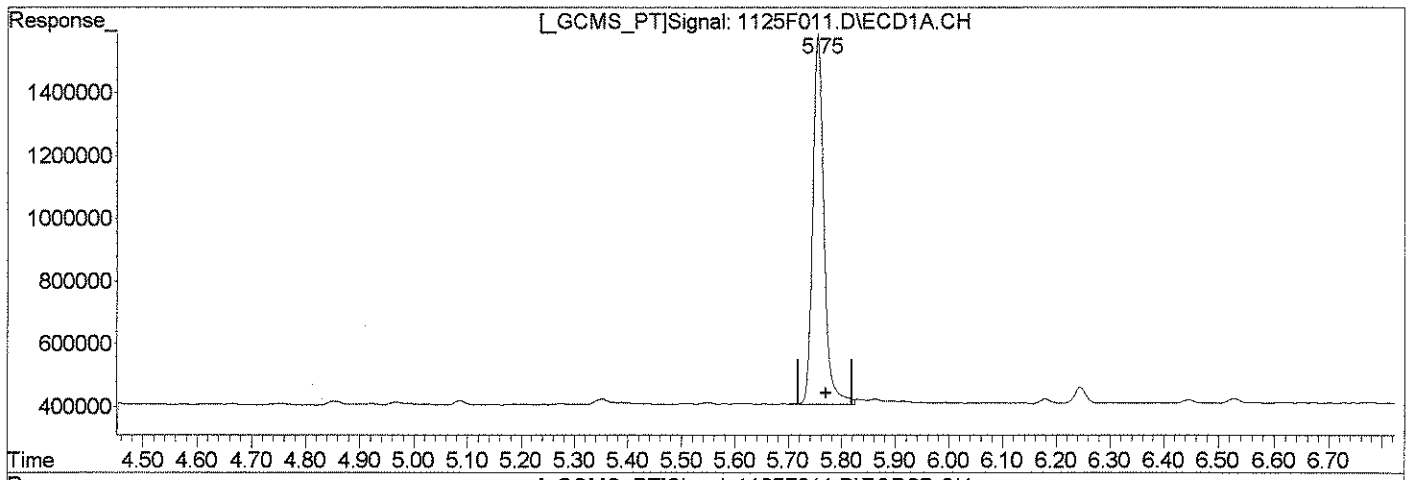
(+) = Expected Retention Time

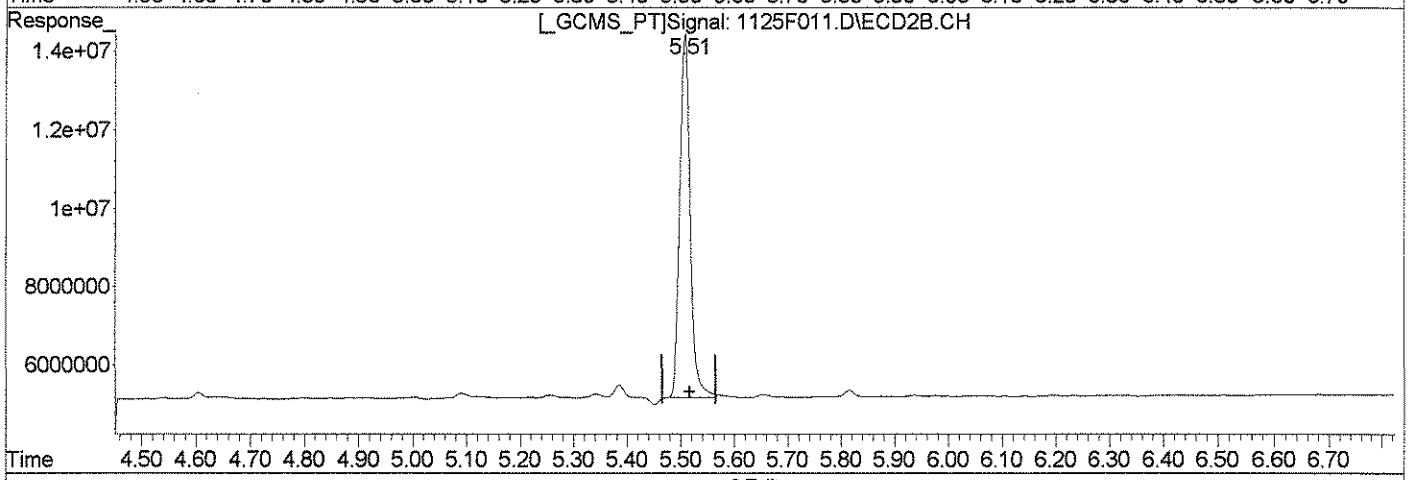
1125F011.D IS-GC23-101410-8081.M Fri Nov 26 11:19:19 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F011.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\112510\1125F011.D\ECD2B.CH
Acq On : 25 Nov 2010 7:09 pm Operator: CCotnam
Sample : K1012914-001 | SL0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914001. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(1) 1-Bromo-2-nitrobenzene (i)
5.75min 50.000ug/L
response 1727044

(1) 1-Bromo-2-nitrobenzene #2 (i)
5.51min 50.000ug/L m
response 12375907

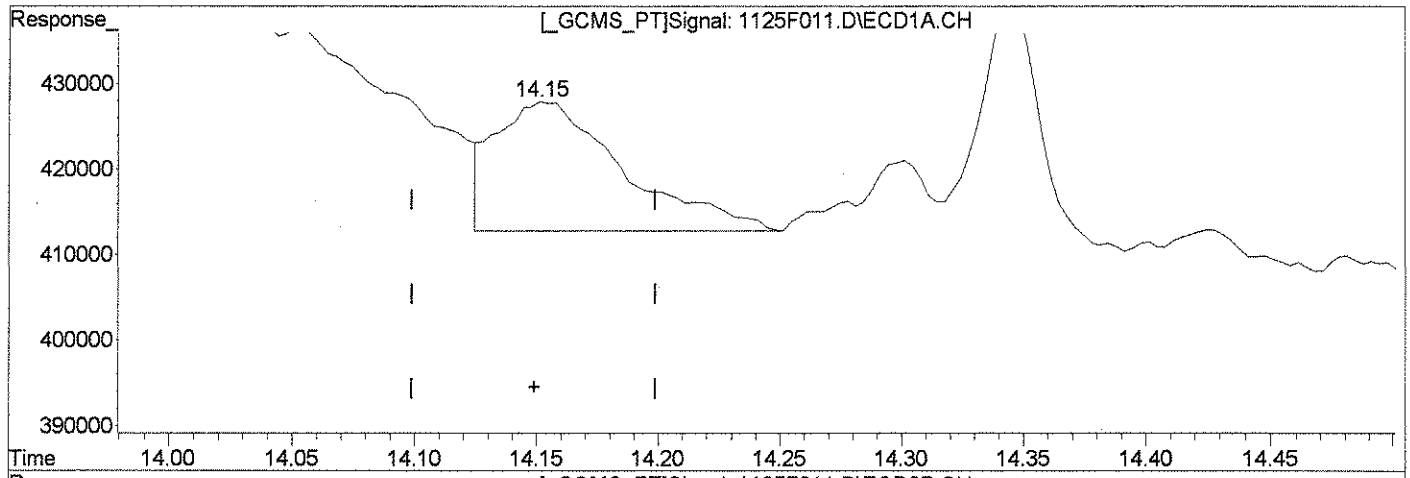
Manual Integration:
After
Baseline/Shoulder
11/26/10

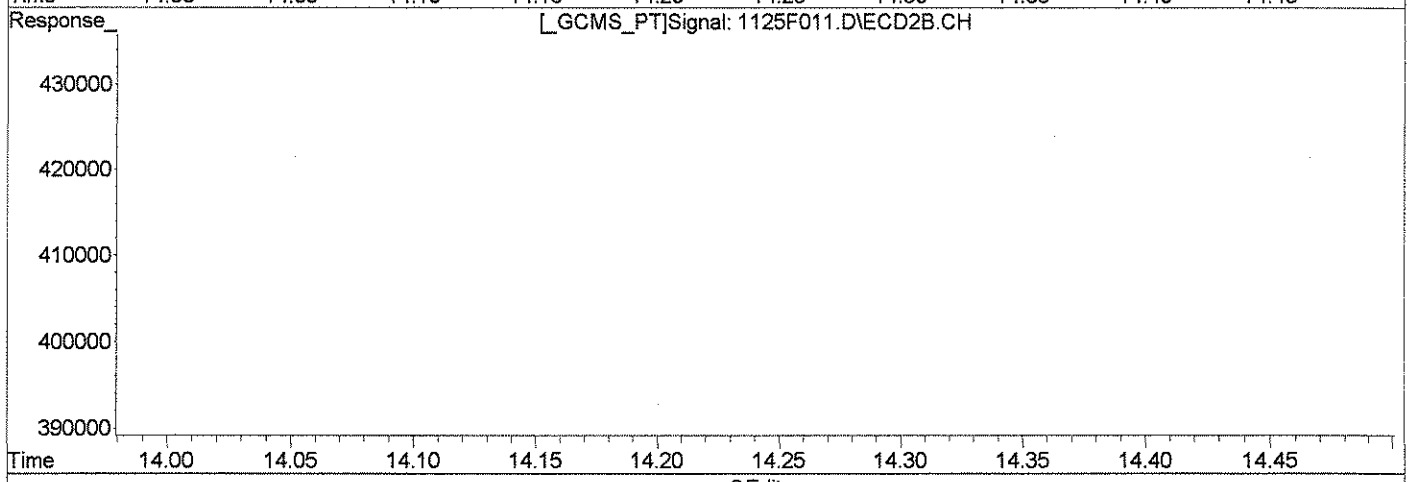
(+) = Expected Retention Time
1125F011.D IS-GC23-101410-8081.M Fri Nov 26 11:19:34 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F011.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\112510\1125F011.D\ECD2B.CH
Acq On : 25 Nov 2010 7:09 pm Operator: CCotnam
Sample : K1012914-001 | SL0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914001. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(24) Methoxychlor

14.15min 2.637ug/L

response 55308

(24) Methoxychlor #2

13.67min 0.372ug/L

response 50817

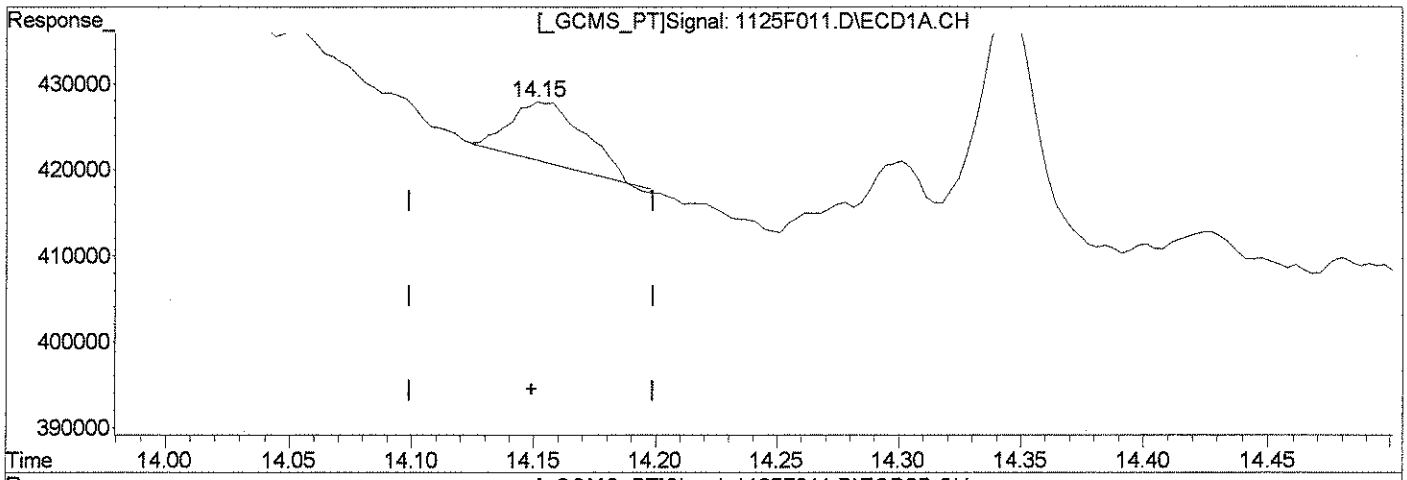
(+) = Expected Retention Time

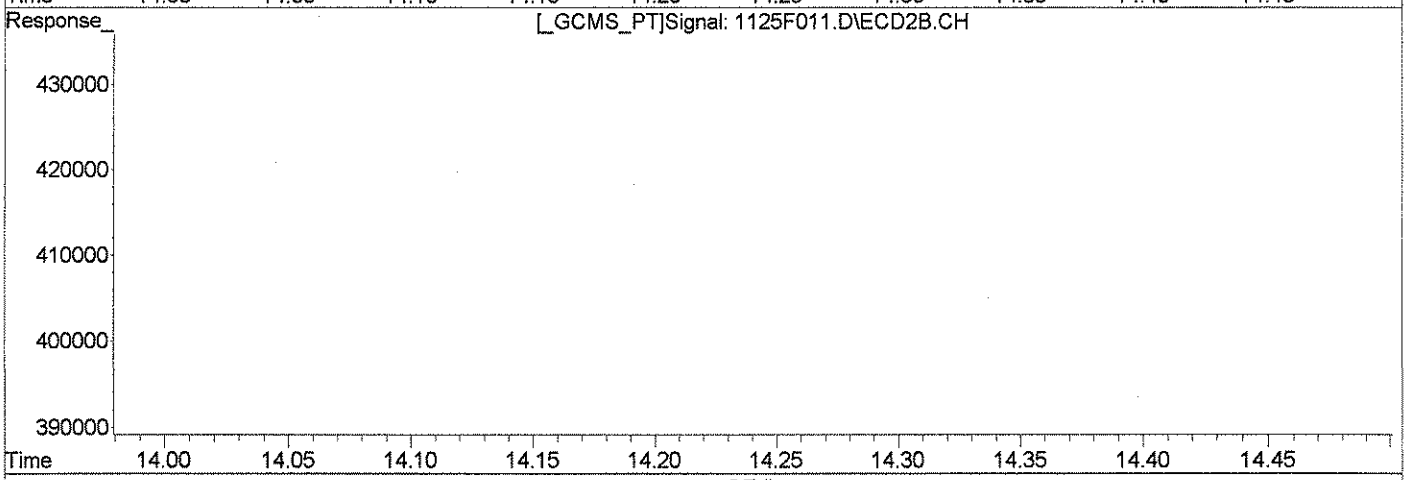
1125F011.D IS-GC23-101410-8081.M Fri Nov 26 11:20:35 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F011.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\112510\1125F011.D\ECD2B.CH
Acq On : 25 Nov 2010 7:09 pm Operator: CCotnam
Sample : K1012914-001 | SL0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914001. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(24) Methoxychlor
14.15min 0.675ug/L m
response 14163

(24) Methoxychlor #2
13.67min 0.372ug/L
response 50817

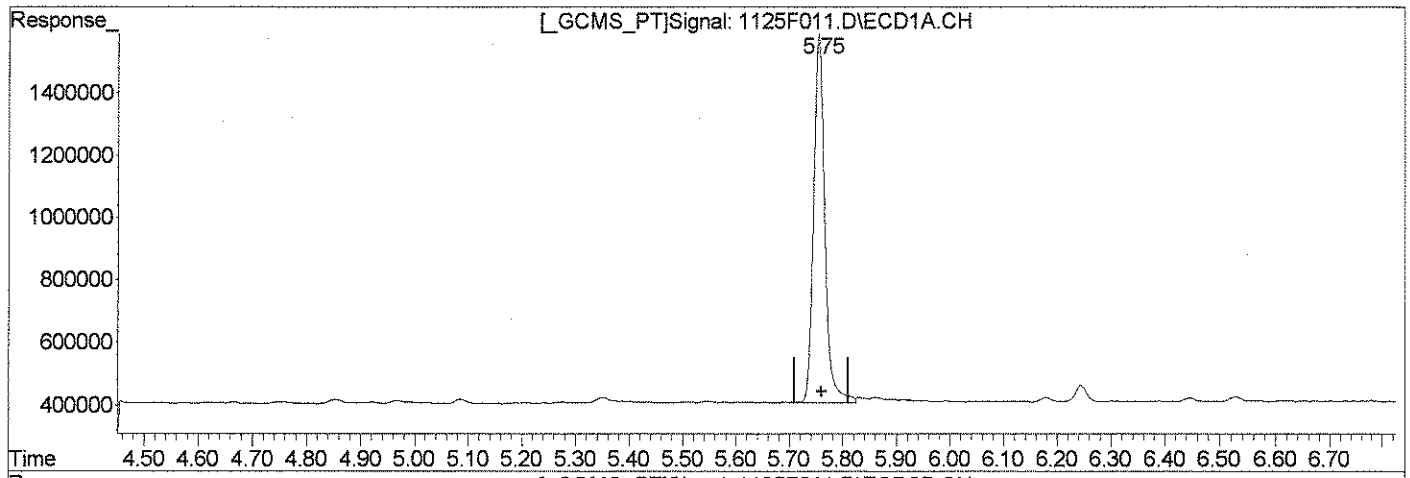
Manual Integration:
After
Baseline/Shoulder
11/26/10

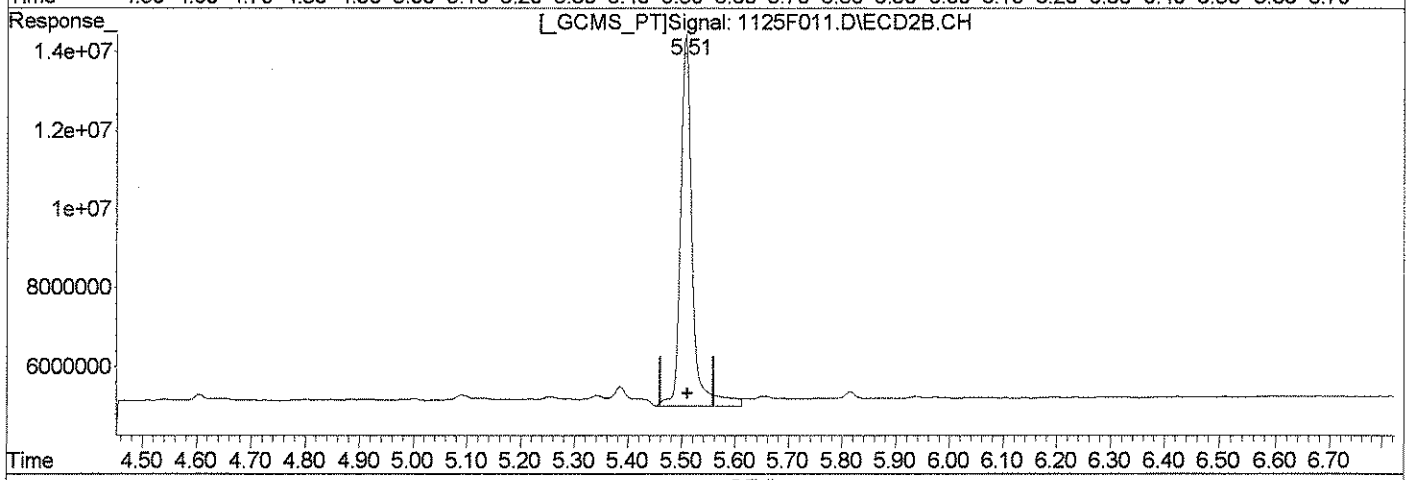
(+) = Expected Retention Time
1125F011.D IS-GC23-101410-8081.M Fri Nov 26 11:20:40 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F011.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\112510\1125F011.D\ECD2B.CH
Acq On : 25 Nov 2010 7:09 pm Operator: CCotnam
Sample : K1012914-001 | SL0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914001. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(26) 1-Bromo-2-nitrobenzene2

5.75min 50.000ug/L

response 1727044

Manual Integration:

Before

(26) 1-Bromo-2-nitrobenzene2 #2

5.51min 50.000ug/L

response 14046004

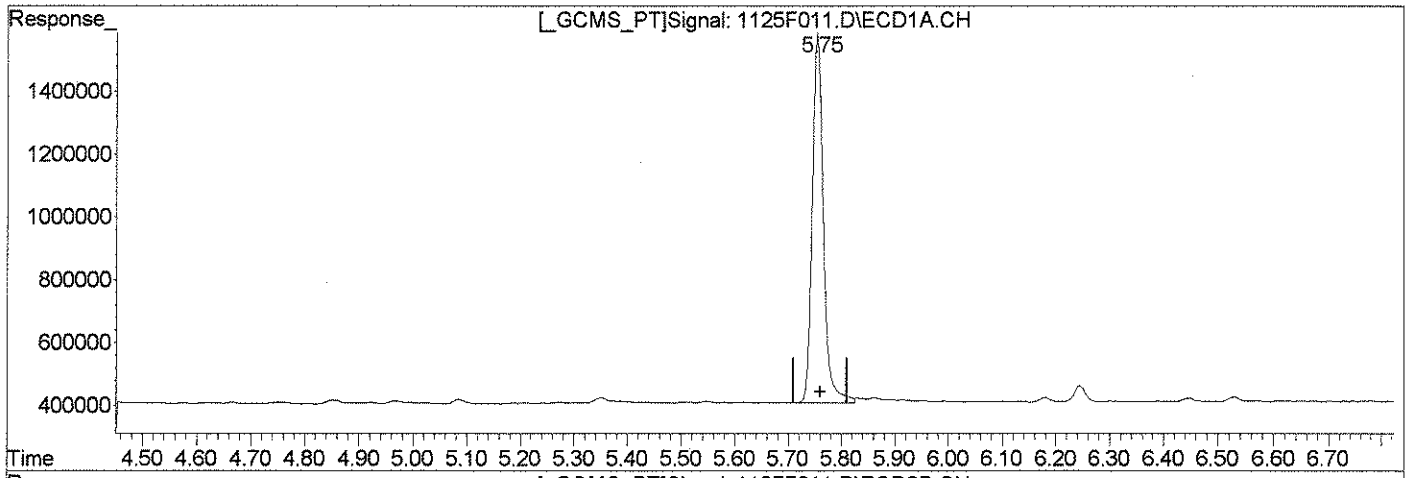
(+) = Expected Retention Time

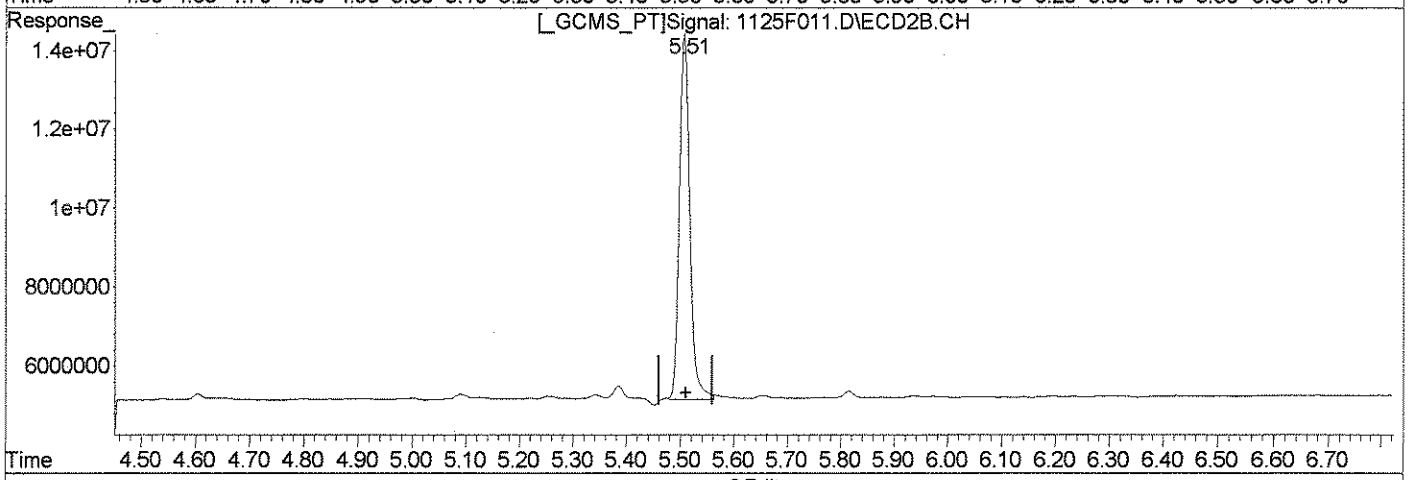
1125F011.D IS-GC23-101410-8081.M Fri Nov 26 11:20:45 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F011.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\112510\1125F011.D\ECD2B.CH
Acq On : 25 Nov 2010 7:09 pm Operator: CCotnam
Sample : K1012914-001 | SL0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914001. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(26) 1-Bromo-2-nitrobenzene2

5.75min 50.000ug/L

response 1727044

(26) 1-Bromo-2-nitrobenzene2 #2

5.51min 50.000ug/L m

response 12501599

Manual Integration:

After

Baseline/Shoulder

11/26/10

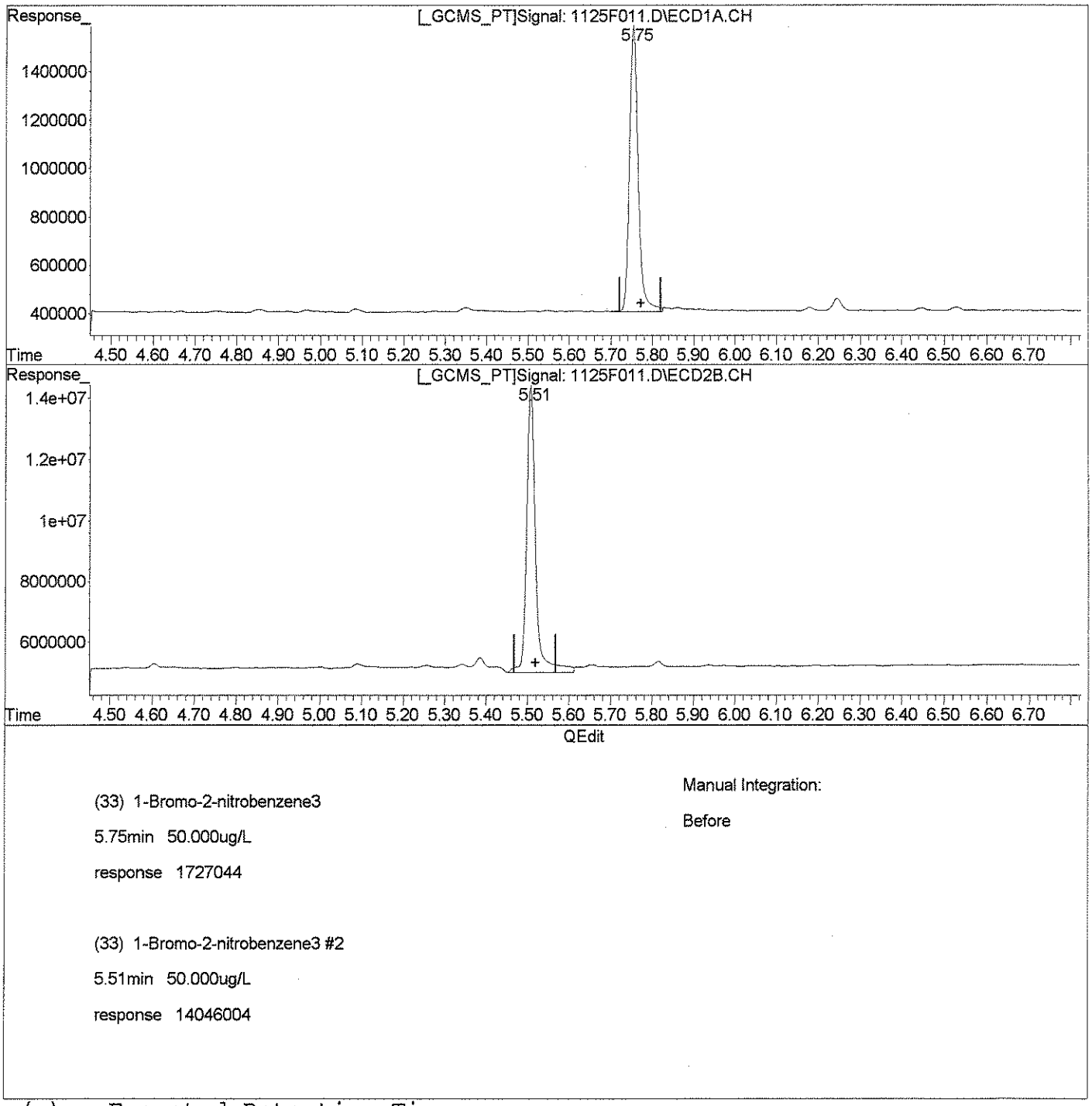
(+) = Expected Retention Time

1125F011.D IS-GC23-101410-8081.M Fri Nov 26 11:20:57 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F011.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\112510\1125F011.D\ECD2B.CH
Acq On : 25 Nov 2010 7:09 pm Operator: CCotnam
Sample : K1012914-001 | SL0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914001. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration

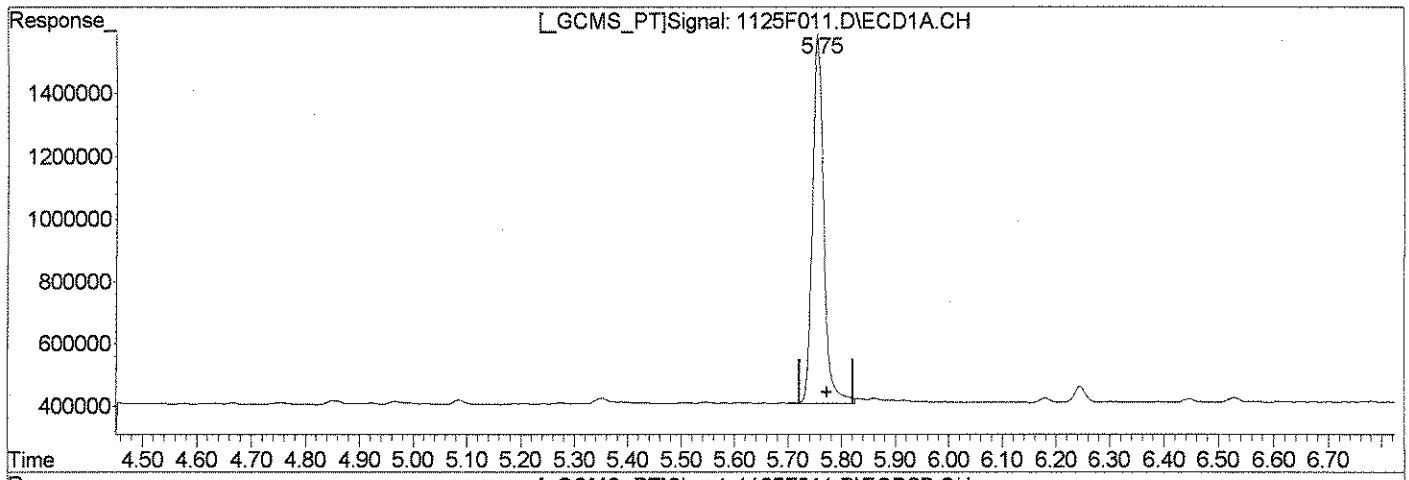


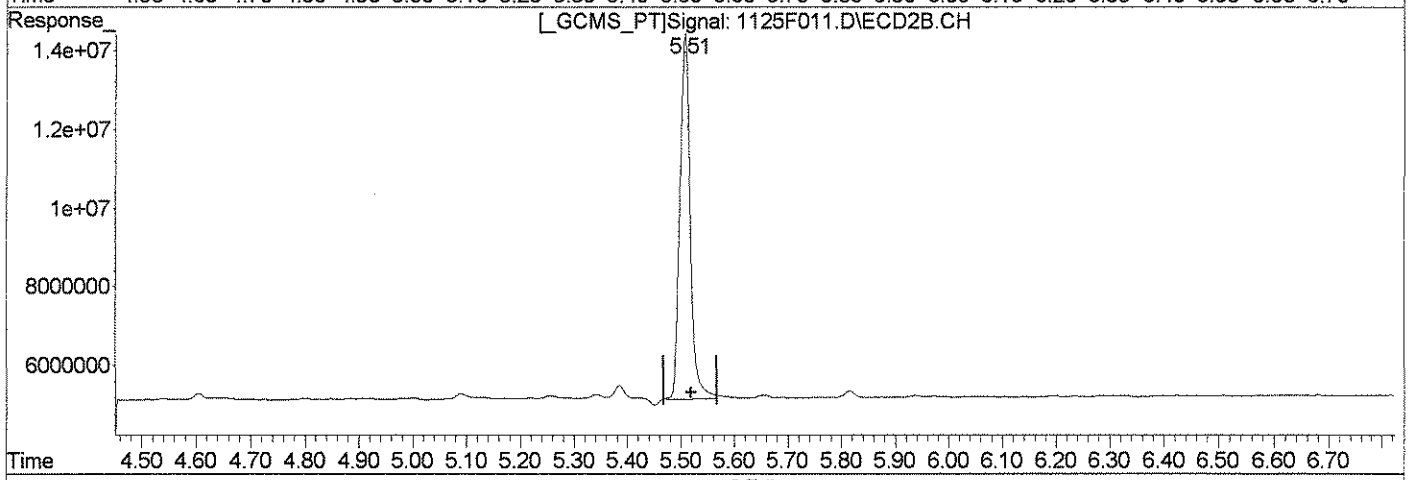
(+) = Expected Retention Time
1125F011.D IS-GC23-101410-8081.M Fri Nov 26 11:21:13 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F011.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\112510\1125F011.D\ECD2B.CH
Acq On : 25 Nov 2010 7:09 pm Operator: CCotnam
Sample : K1012914-001 | SL0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914001. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(33) 1-Bromo-2-nitrobenzene3

5.75min 50.000ug/L

response 1727044

(33) 1-Bromo-2-nitrobenzene3 #2

5.51min 50.000ug/L m

response 12534141

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F011.D IS-GC23-101410-8081.M Fri Nov 26 11:21:21 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.8	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	2.8	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	2.8	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	2.8	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	2.8	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.8	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	2.8	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	2.8	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	2.8	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	2.8	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	2.8	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	2.8	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.8	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**0.87**	JP	2.8	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	140	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	56	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	21-112	11/25/10	Acceptable
Decachlorobiphenyl	78	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F014.D	**Date Acquired:**	11/25/2010 20:29
Lab ID:	K1012914-002	**Date Quantitated:**	11/26/2010 11:27
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	ND
Analyte Co-elution	4,4'-DDT	13.49	NA	NA	Cond
	1-Bromo-2-nitrobenzene	5.76	NA	NA	SA
	Toxaphene {3}	13.49	NA	NA	Cond
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: 11/29/10

Secondary Review: 11/30/10

Exception Report

Data File:	J:\GC23\DATA\112510\1125F014.D\1125F014C.D	**Date Acquired:**	11/25/2010 20:29
Lab ID:	K1012914-002	**Date Quantitated:**	11/26/2010 11:27
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	ga
	Chlordane {3}	10.94	NA	NA	Cmd
	Chlordane {4}	10.94	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	ga
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: 11/29/10

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981913	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12116
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F014.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F014.D\1125F014c.d			**Vial:**	19
Acqu Date:	11/25/2010 20:29	**Quant Date:**	11/26/2010 11:27	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-002				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08 c	5.51	-0.06 c	1721331	12476062	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76	-0.07 c	5.51	-0.05 c	1721331	12476062	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76	-0.08 c	5.51	-0.06 c	1721331	12476062	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.03	-0.01	7.06		3201130	20314090	85.54	79.99			86OK
						%Recovery =		86OK	80OK	Limits =	21-112	
1	Decachlorobiphenyl	16.50	+0.01	15.59		3325916	22730046	109.87CCV	78.12			78OK
						%Recovery =		110OK	78OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC					0	0	0.0000	0.0000	0.35U	0.35U	0.35U
1	beta-BHC					0	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC					0	0d	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor					0	0d	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin					0	0d	0.0000	0.0000	0.34U	0.34U	0.34U
1	Heptachlor Epoxide	11.41	-0.01	10.60	+0.02	23881m	106158m	0.5170	0.3420	0.39U	0.39U	0.39U
1	Endosulfan I	12.06	+0.02	11.14	-0.02	7036m	91640	0.1680	0.3150	1.7U	1.7U	1.7U
1	Dieldrin	12.39	-0.04	11.56	-0.03	92860	172524	2.02	0.5550	1.1J	0.48U	0.48U
1	4,4'-DDE	12.25	+0.02	11.41		60903	59660m	1.45	0.2070	1.6U	1.6U	1.6U
1	Endrin					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F014.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F014.D\1125F014c.d			**Vial:**	19
Acqu Date:	11/25/2010 20:29	**Quant Date:**	11/26/2010 11:27	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-002				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	Endosulfan II	13.16 -0.02	12.48 +0.02	118602	298216	2.88	1.05	1.6J	0.86U	0.86U
1	4,4'-DDD			0	0d	0.0000	0.0000	1.0U	1.0U	1.0U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate			0	0d	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT	13.49 +0.02c	12.68	59707	1049920m	1.56	4.30	0.87J	2.4J	**2.4**JP
	Toxaphene			0	0	96.62	62.02	54J	37U	37U
2	Toxaphene {1}	12.55	12.33 +0.03	26943	73606	113.07	16.42	63J	37U	
2	Toxaphene {2}	12.86 +0.03	12.37 -0.01	74493	119347	133.42	37.45	75J	37U	
2	Toxaphene {3}	13.49 -0.01 c	12.59 +0.02	59707	156545	139.86	93.71	78J	52J	
2	Toxaphene {4}		12.81	0	292207	0.0000	104.43	37U	58J	
2	Toxaphene {5}	14.30 +0.05	13.00 -0.02	31143	124112	60.96	68.68	37U	38J	
2	Toxaphene {6}	14.42 -0.01	13.50	28956	222508	35.81	51.44	37U	37U	
	Chlordane			0	0	14.10	13.90	22U	22U	22U
3	Chlordane {1}		8.96	0	61851	0.0000	5.64	22U	22U	
3	Chlordane {2}		9.27 +0.02	0	76206	0.0000	5.30	22U	22U	
3	Chlordane {3}		10.94 c	0	464055	0.0000	15.22	22U	22U	
3	Chlordane {4}	11.91 -0.01	10.94 -0.04 c	71369	464055	14.10	26.34	22U	22U	
3	Chlordane {5}		11.03 -0.01	0	227473	0.0000	25.67	22U	22U	
3	Chlordane {6}		11.06 -0.03	0	133102	0.0000	5.26	22U	22U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.28 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1
Solids:	88.2 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:35 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.76	5.51	1721331	12476062	50.000	50.000
26)		1-Bromo-2-nitrob	5.76	5.51	1721331	12476062	50.000	50.000
33)		1-Bromo-2-nitrob	5.76	5.51	1721331	12476062	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.03	7.06	3201130	20314090	85.544	79.990
25)	s	Decachlorobiphen	16.50	15.59	3325916	22730046	109.868	78.121 #
		Target Compounds						
4)		Hexachlorobenzen	8.85	7.91	32549	176908	0.745	0.465 #
11)		Heptachlor Epoxi	11.41f	10.60	23881	106158	0.517m	0.342m#
12)		gamma-Chlordane	11.91	10.94	46033	464055	1.014m	1.467 #
13)		Endosulfan I	12.06	11.14f	7036	91640	0.168m	0.315 #
15)		Dieldrin	12.39f	11.56f	92860	172524	2.020	0.555 #
16)		4,4'-DDE	12.25	11.41	60903	59660	1.453	0.207m#
18)		Endosulfan II	13.16f	12.48	118602	298216	2.880	1.045 #
22)		4,4'-DDT	13.49	12.68	59707	1049920	1.563	4.299m#
24)		Methoxychlor	14.16	13.64f	11307	575827	0.541m	4.184m#
27)		Toxaphene	12.55	12.33	26943	73606	113.069	16.417 #
28)		Toxaphene {2}	12.86	12.37	74493	119347	133.423	37.447 #
29)		Toxaphene {3}	13.49	12.59	59707	156545	139.862	93.711 #
30)		Toxaphene {4}	0.00	12.81	0	292207	N.D.	104.428 #
31)		Toxaphene {5}	14.30f	13.00f	31143	124112	60.957	68.678
32)		Toxaphene {6}	14.42	13.50	28956	222508	35.811	51.440 #
34)		Chlordane	0.00	8.96	0	61851	N.D.	5.635 #
35)		Chlordane {2}	0.00	9.27	0	76206	N.D.	5.295 #
36)		Chlordane {3}	0.00	10.94	0	464055	N.D.	15.217 #
37)		Chlordane {4}	11.91	10.94f	71369	464055	14.096	26.337 #
38)		Chlordane {5}	0.00	11.03	0	227473	N.D.	25.673 #
39)		Chlordane {6}	0.00	11.06f	0	133102	N.D.	5.258 #

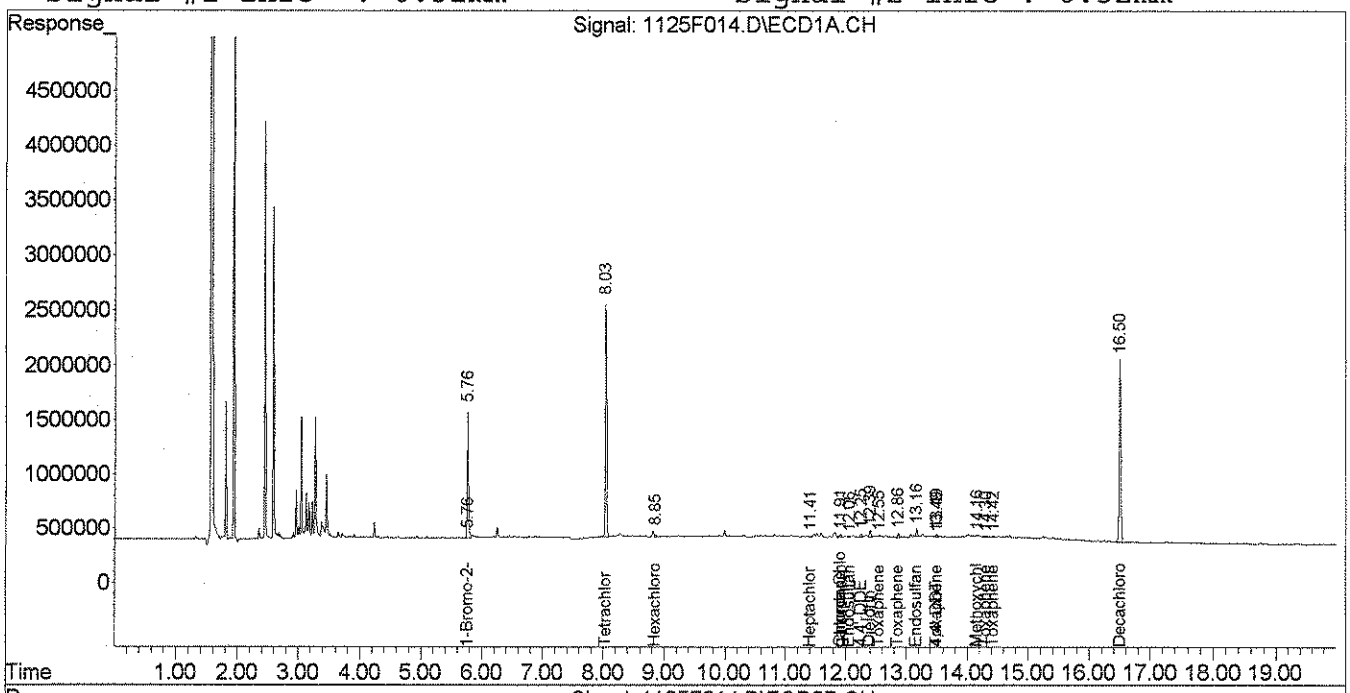
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

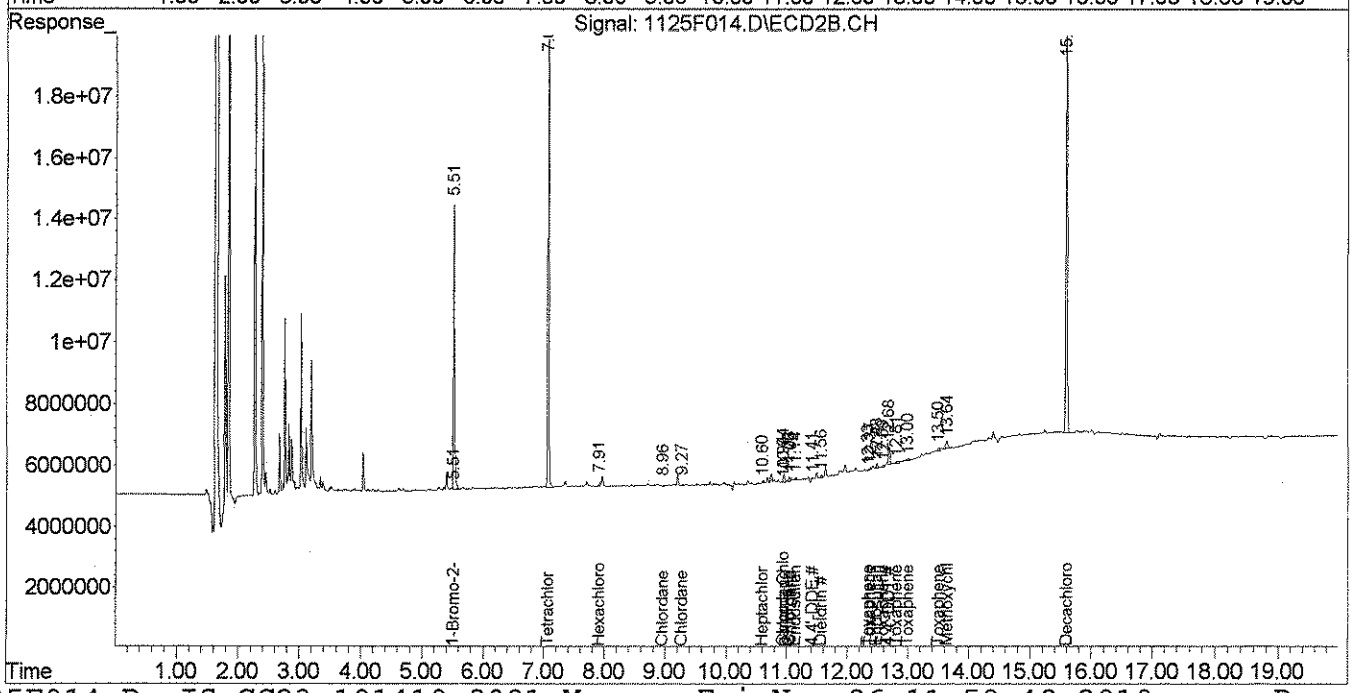
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:27 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

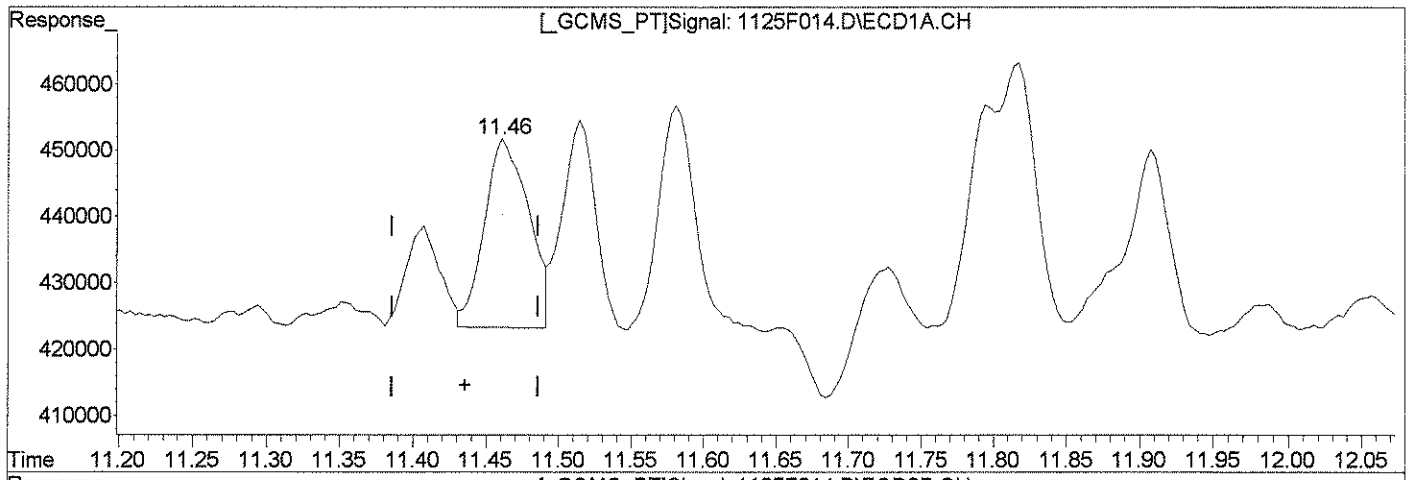


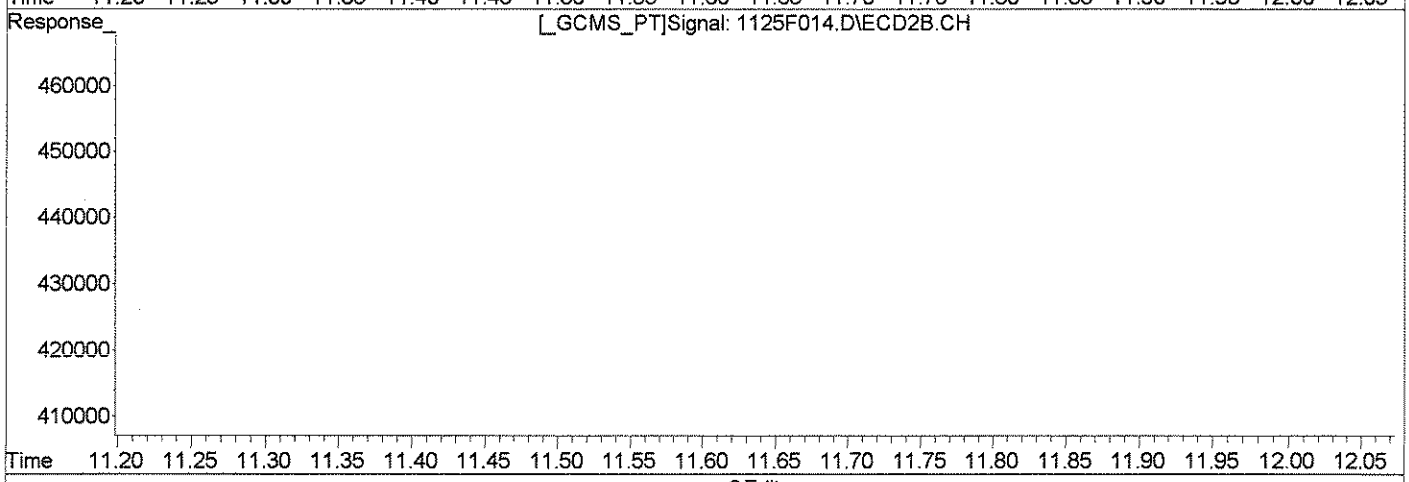


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(11) Heptachlor Epoxide

11.46min 1.301ug/L

response 60068

(11) Heptachlor Epoxide #2

10.60min 0.645ug/L

response 200094

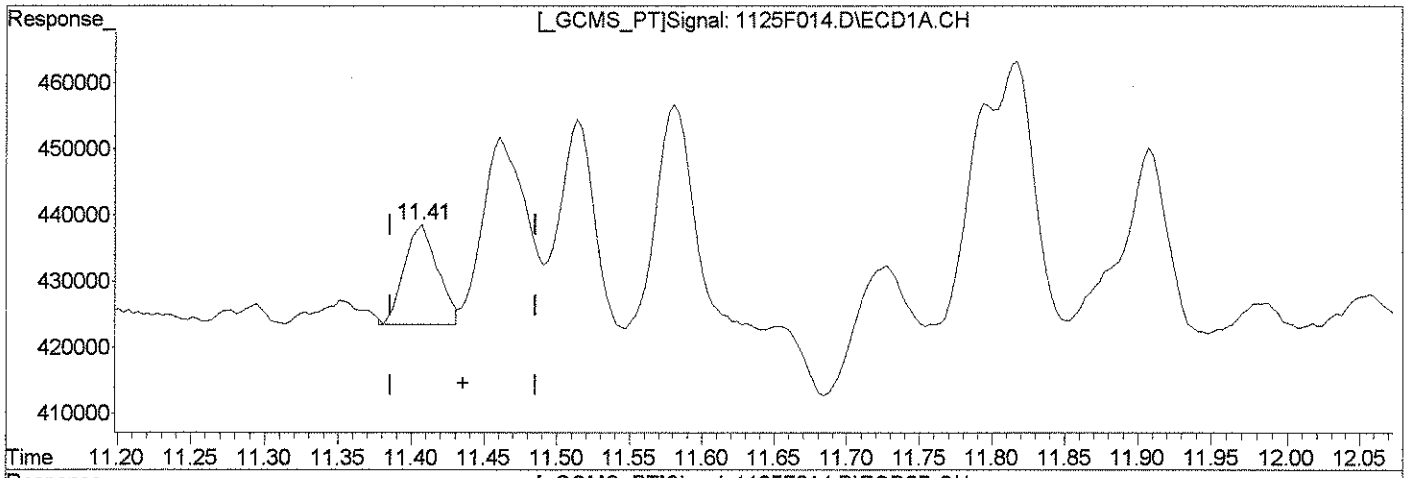
(+) = Expected Retention Time

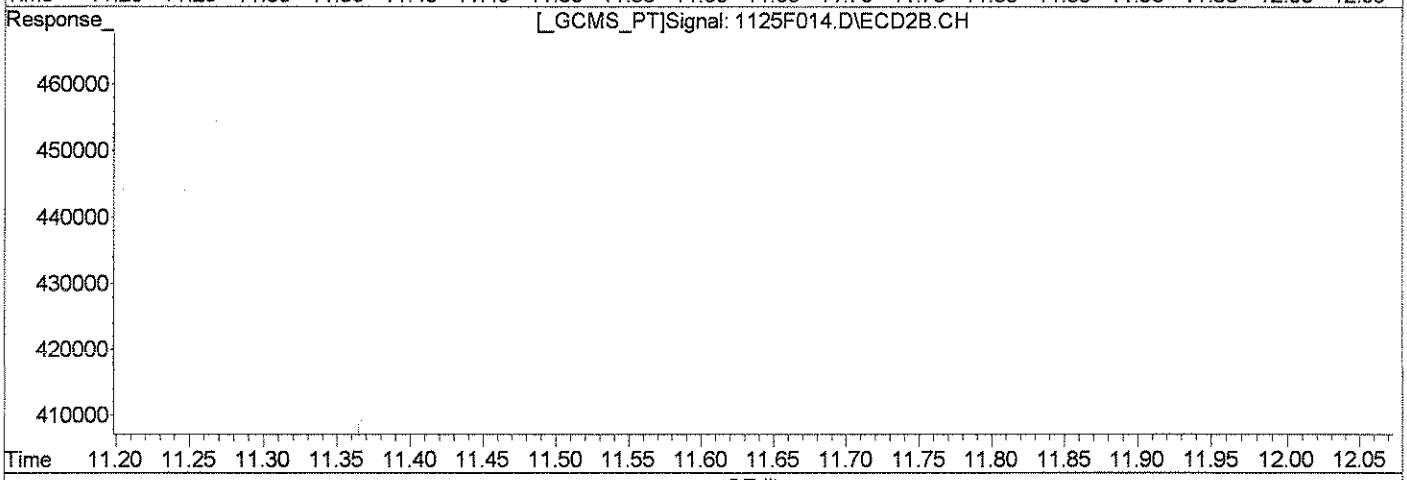
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:25:07 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(11) Heptachlor Epoxide
11.41min 0.517ug/L m
response 23881

(11) Heptachlor Epoxide #2
10.60min 0.645ug/L
response 200094

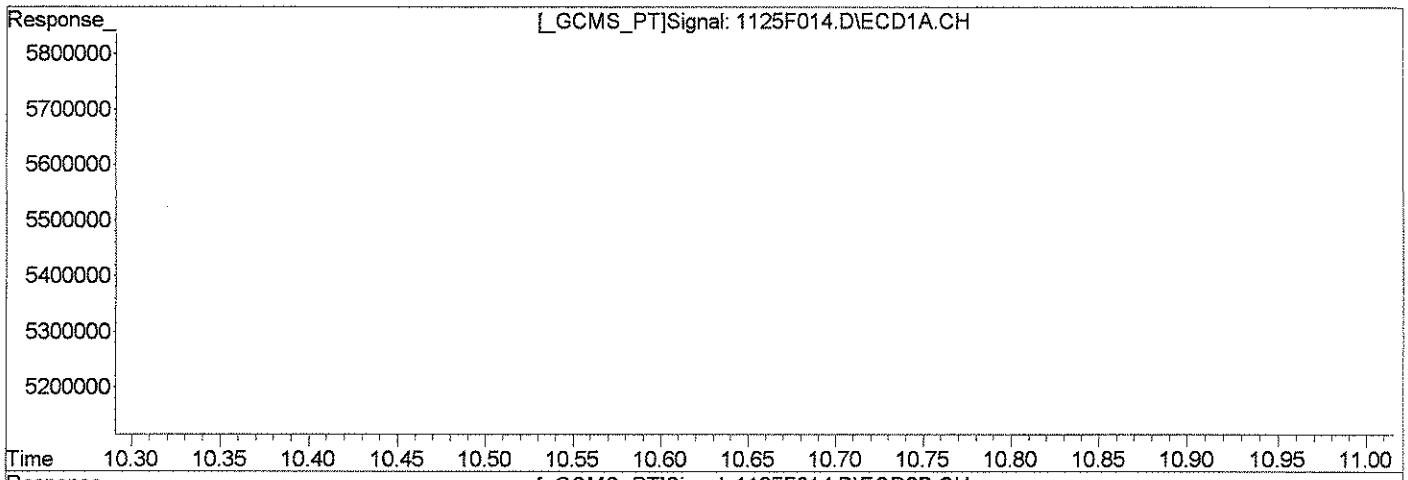
Manual Integration:
After
Wrong Peak
11/26/10

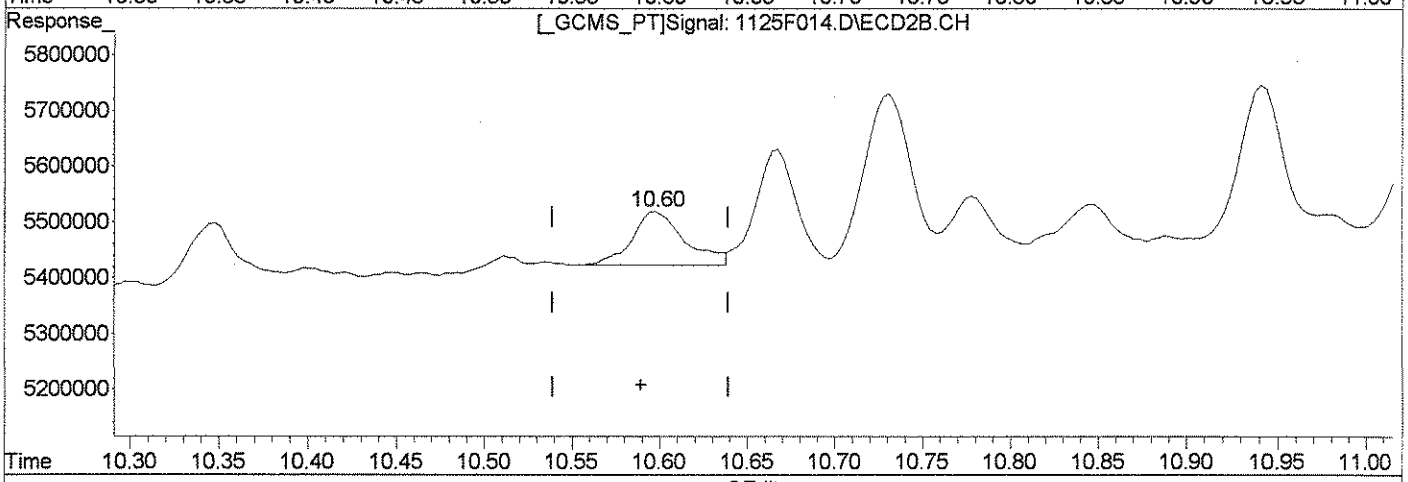
(+) = Expected Retention Time
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:25:17 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(11) Heptachlor Epoxide

11.41min 0.517ug/L m

response 23881

(11) Heptachlor Epoxide #2

10.60min 0.645ug/L

response 200094

Manual Integration:

Before

Wrong Peak

11/26/10

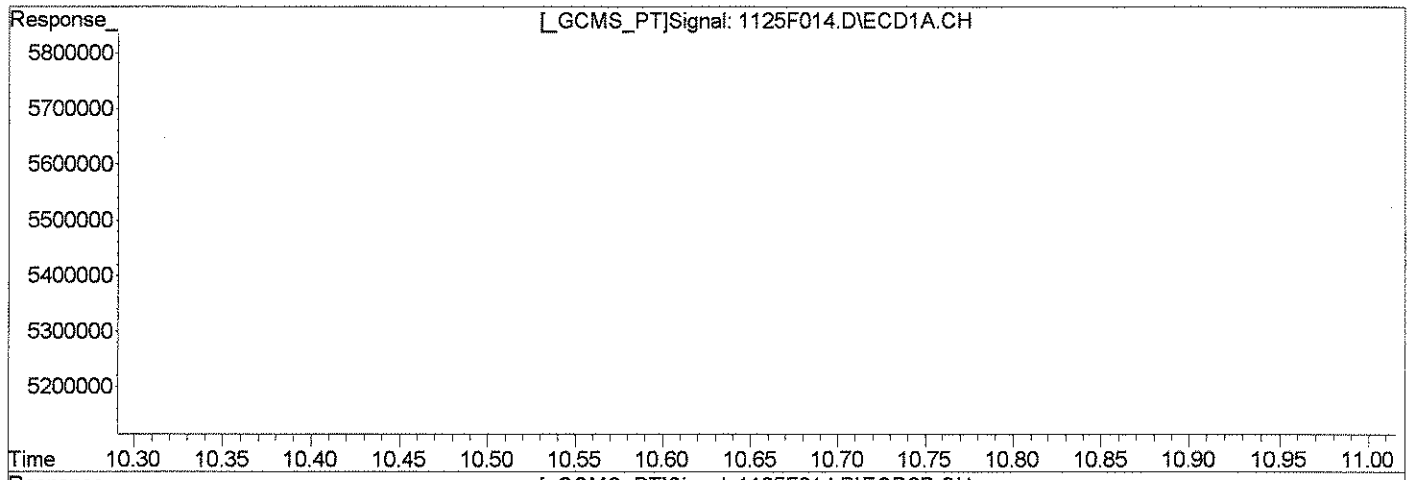
(+) = Expected Retention Time

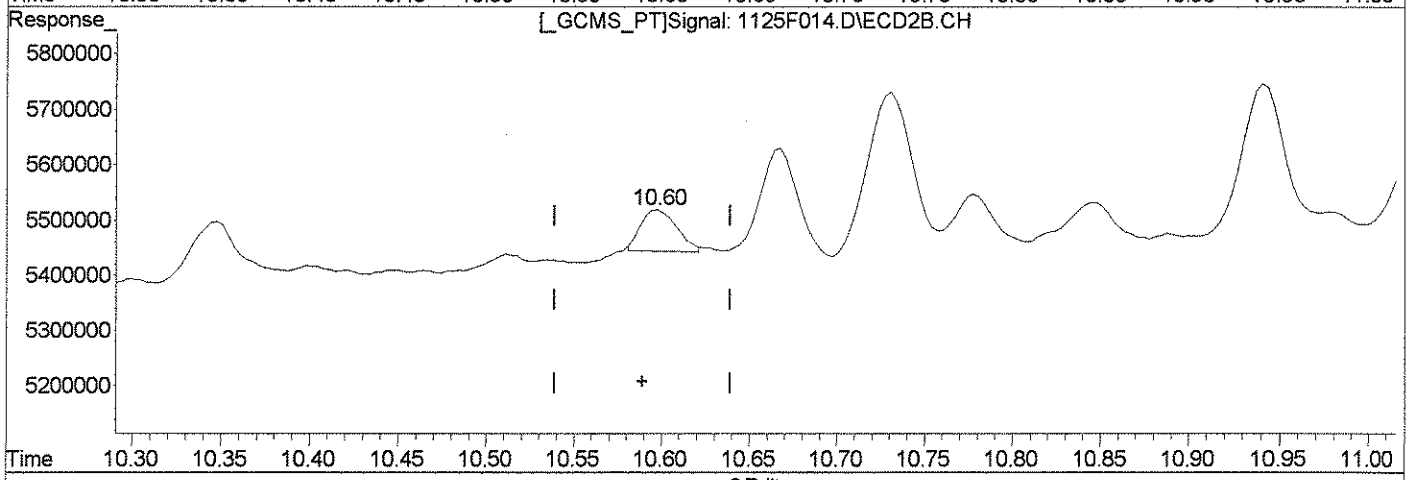
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:25:22 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(11) Heptachlor Epoxide
11.41min 0.517ug/L m
response 23881

(11) Heptachlor Epoxide #2
10.60min 0.342ug/L m
response 106158

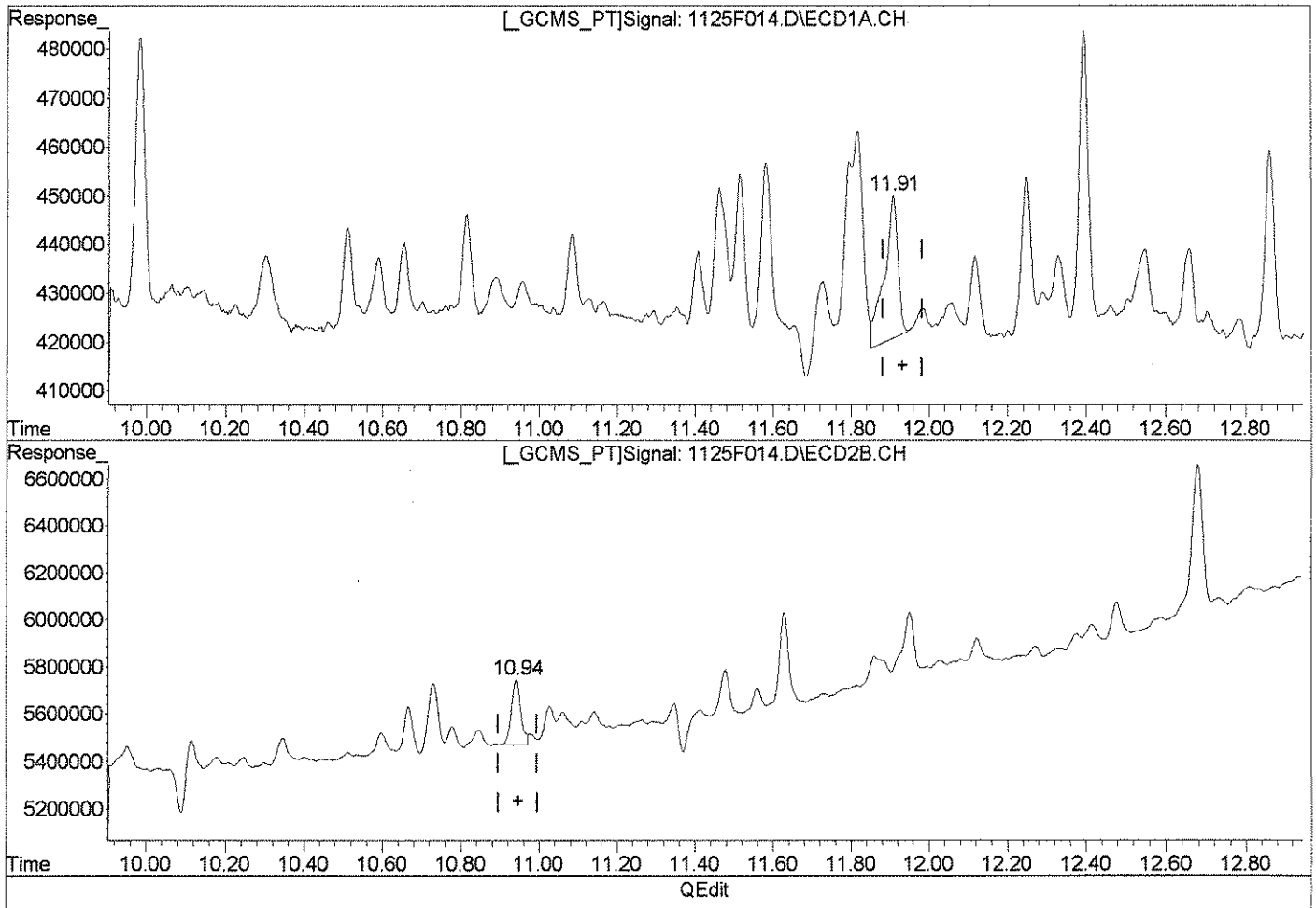
Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:25:36 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(12) gamma-Chlordane

11.91min 1.572ug/L

response 71369

(12) gamma-Chlordane #2

10.94min 1.467ug/L

response 464055

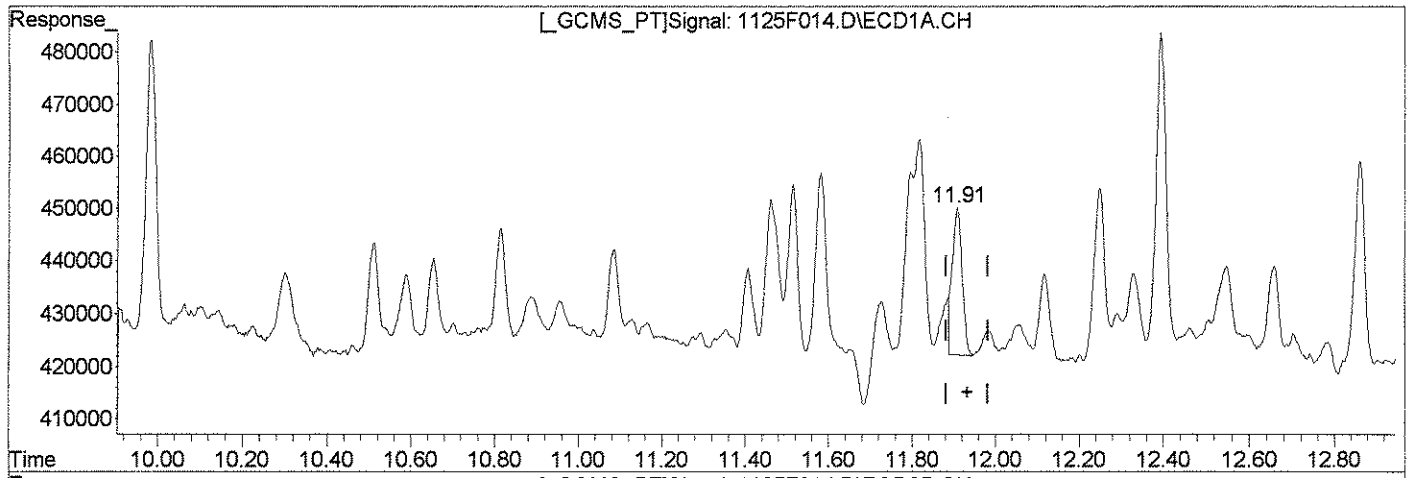
(+) = Expected Retention Time

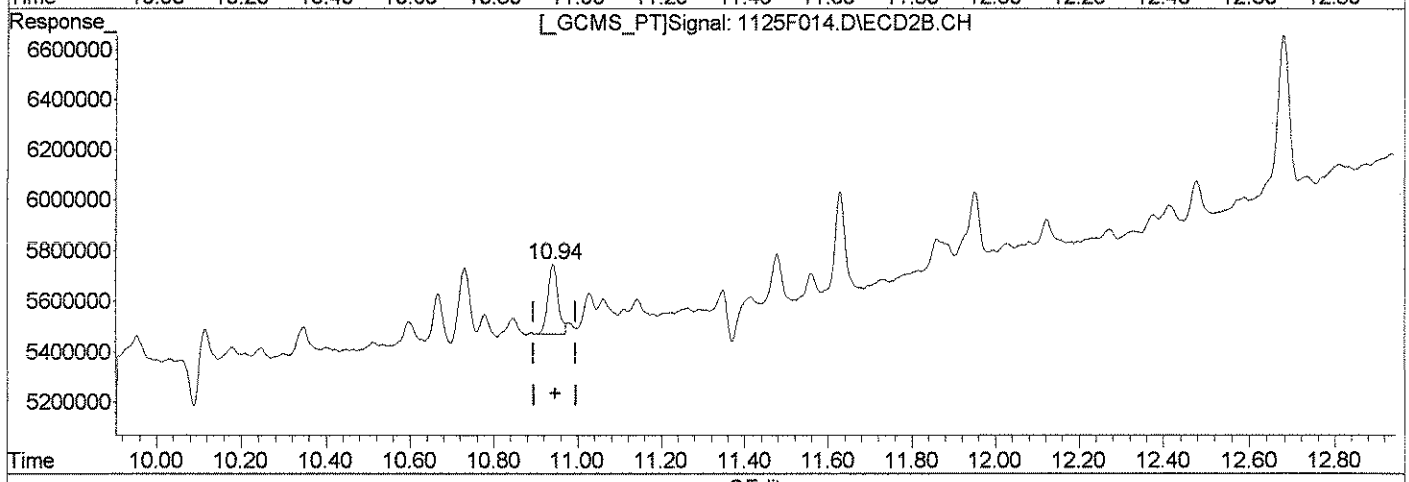
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:25:44 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(12) gamma-Chlordane
11.91min 1.014ug/L m
response 46033

(12) gamma-Chlordane #2
10.94min 1.467ug/L
response 464055

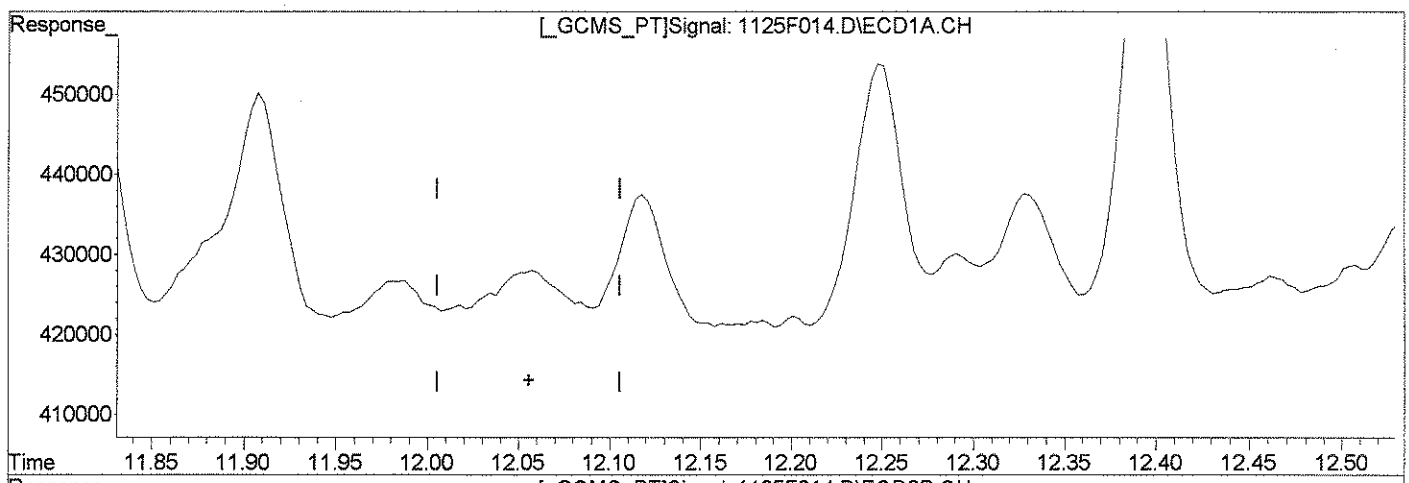
Manual Integration:
After
Baseline/Shoulder
11/26/10

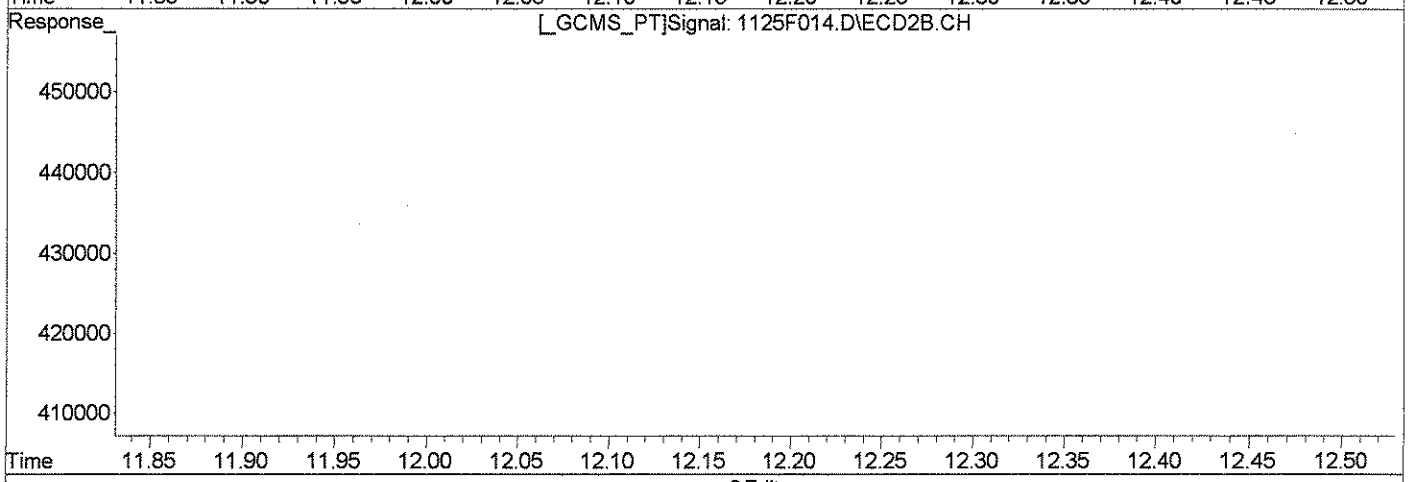
(+) = Expected Retention Time
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:25:56 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(13) Endosulfan I

0.00min 0.000ug/L

response 0

(13) Endosulfan I #2

11.14min 0.315ug/L

response 91640

Manual Integration:

Before

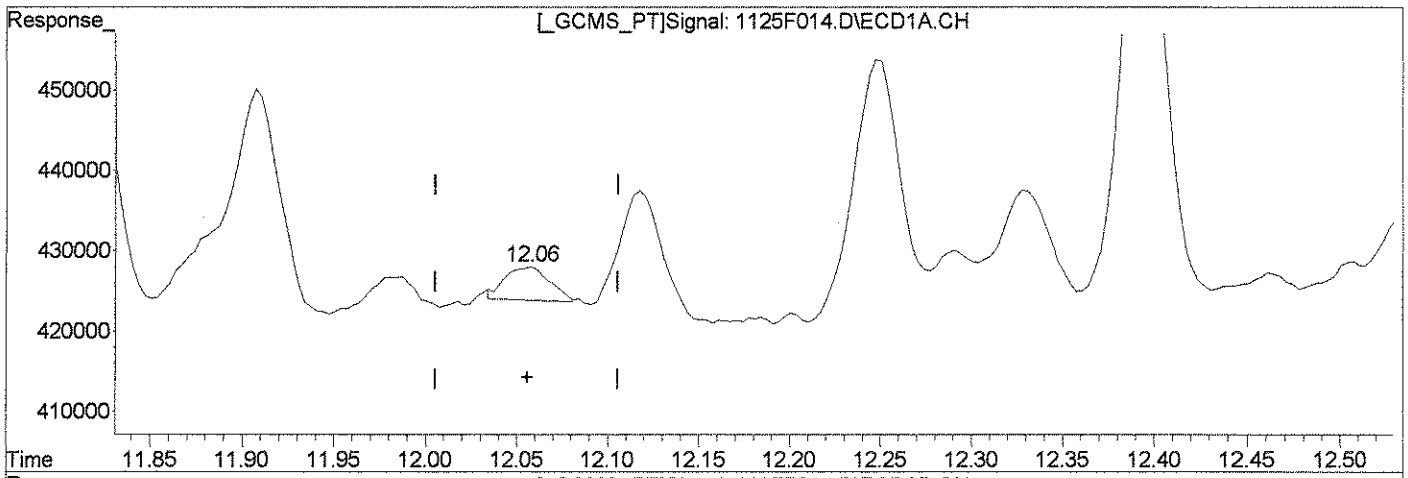
(+) = Expected Retention Time

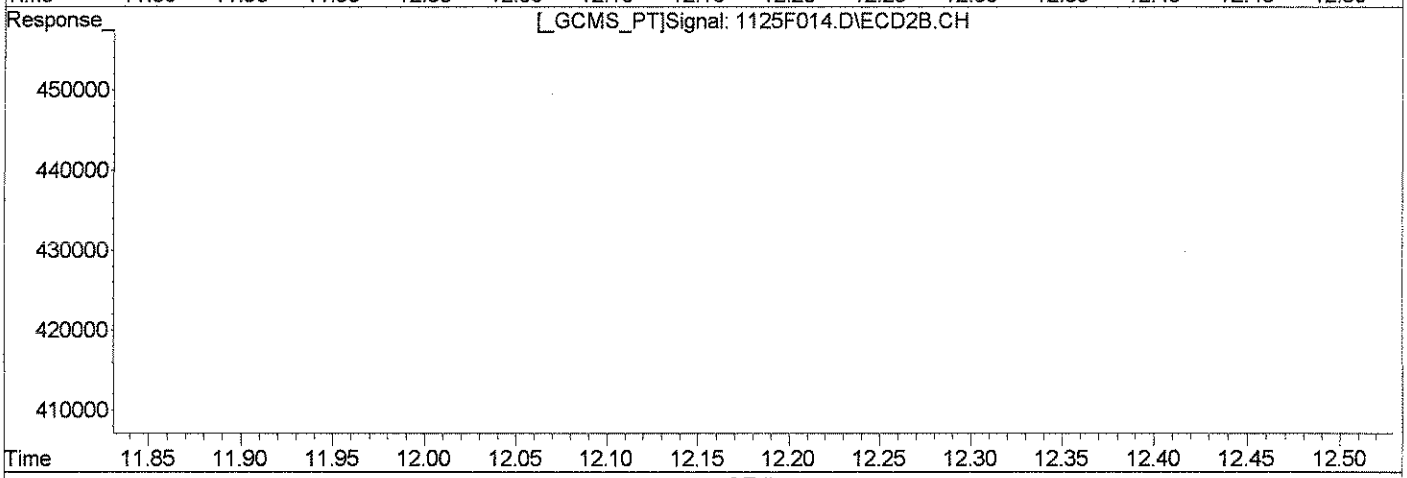
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:26:06 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(13) Endosulfan I

12.06min 0.168ug/L m

response 7036

(13) Endosulfan I #2

11.14min 0.315ug/L

response 91640

Manual Integration:

After

Missed Peak

11/26/10

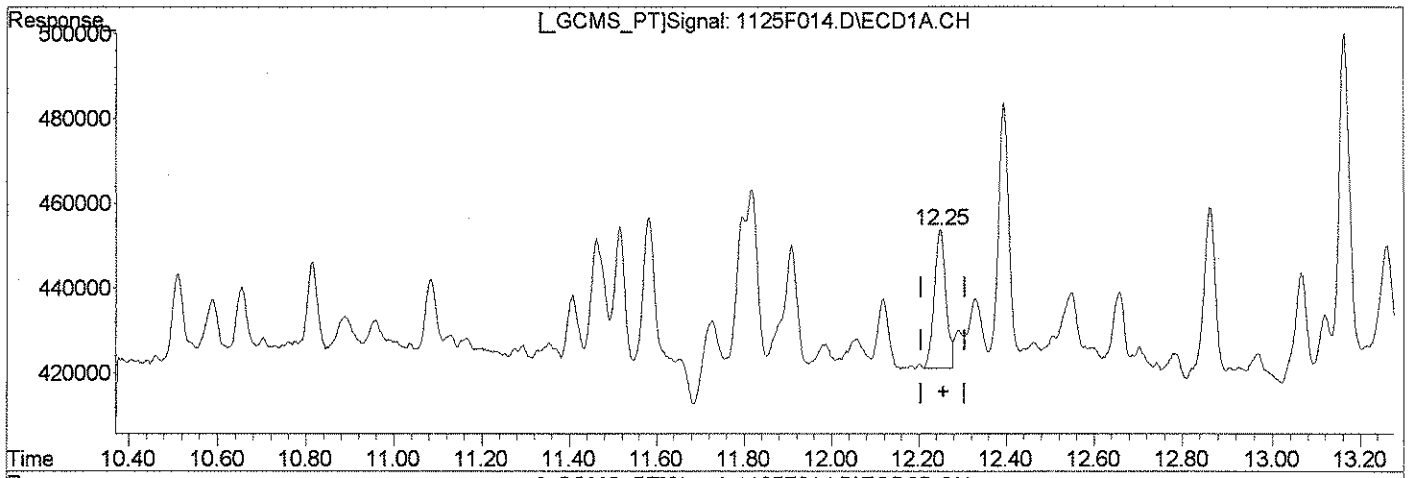
(+) = Expected Retention Time

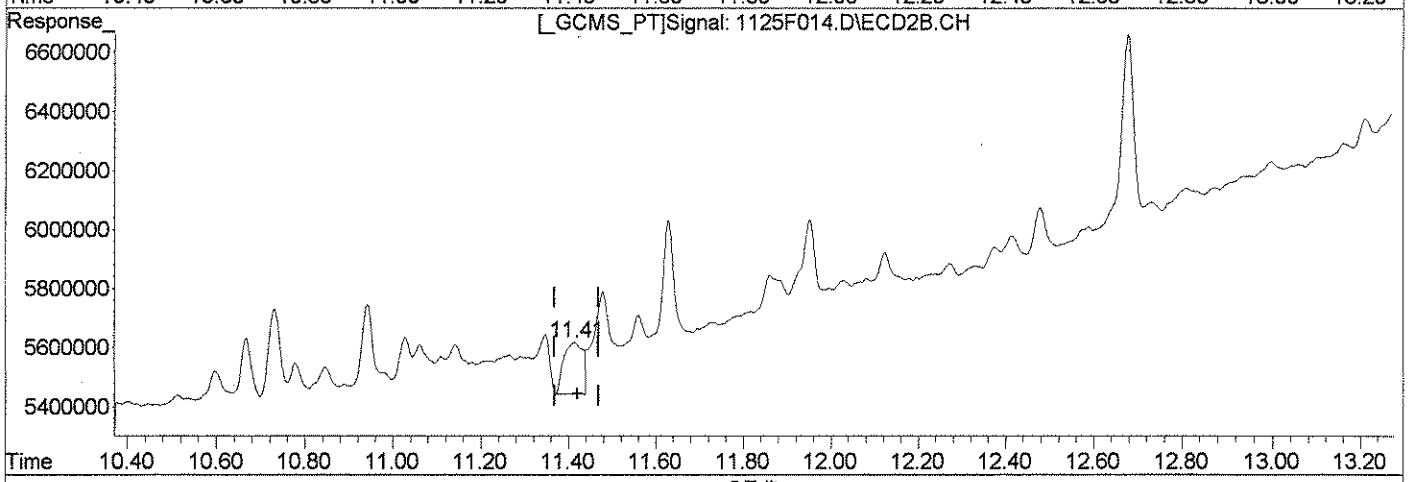
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:26:14 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(16) 4,4'-DDE

12.25min 1.453ug/L

response 60903

(16) 4,4'-DDE #2

11.41min 1.870ug/L

response 540125

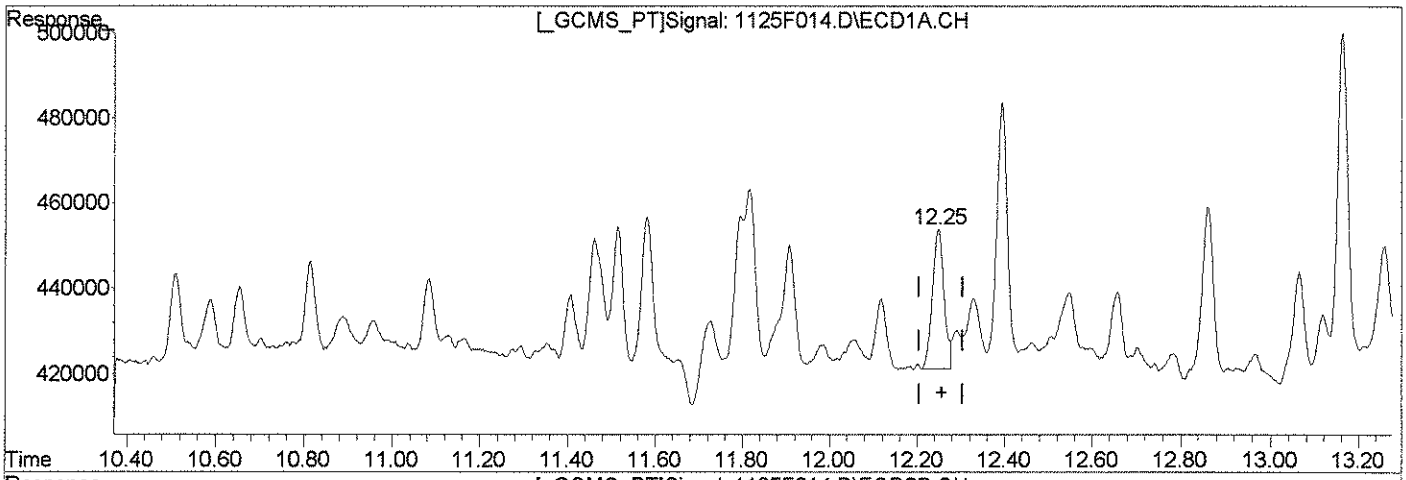
(+) = Expected Retention Time

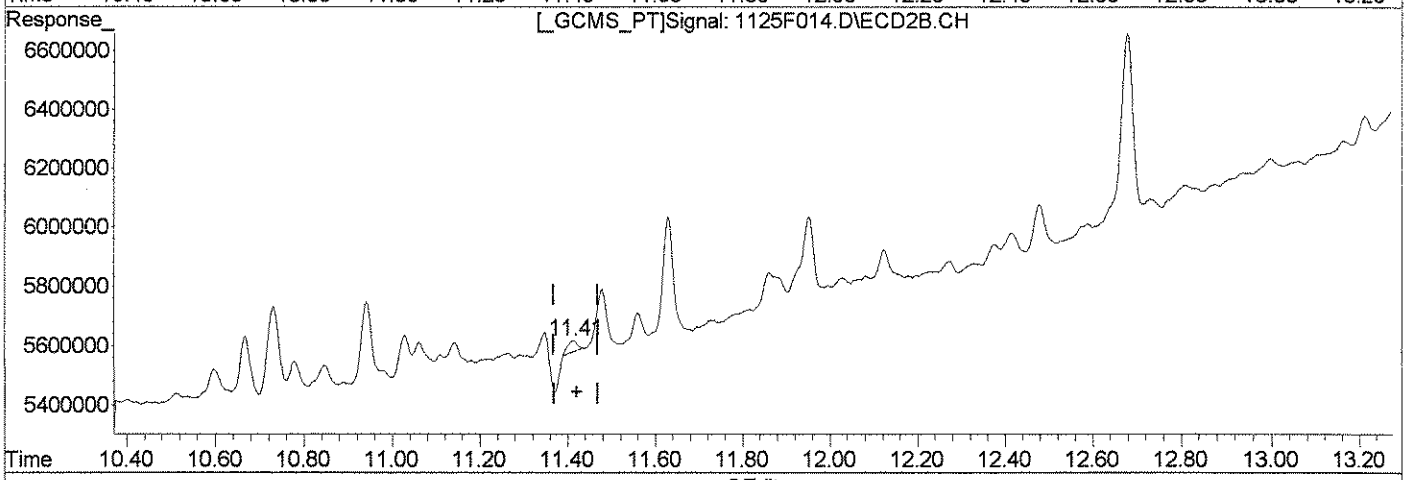
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:26:23 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(16) 4,4'-DDE
12.25min 1.453ug/L
response 60903

(16) 4,4'-DDE #2
11.41min 0.207ug/L m
response 59660

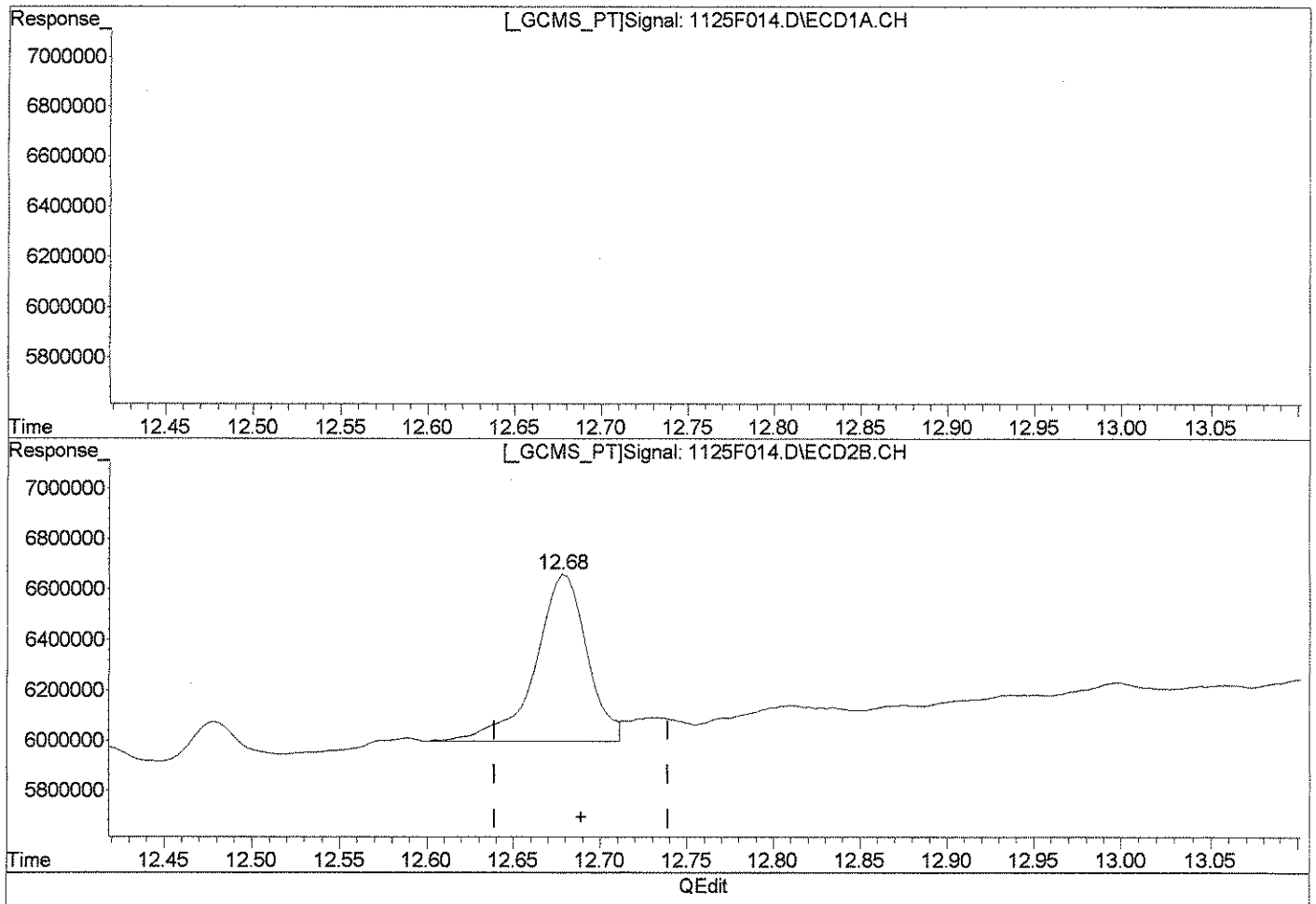
Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:26:36 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(22) 4,4'-DDT

13.49min 1.563ug/L

response 59707

(22) 4,4'-DDT #2

12.68min 5.651ug/L

response 1380056

Manual Integration:

Before

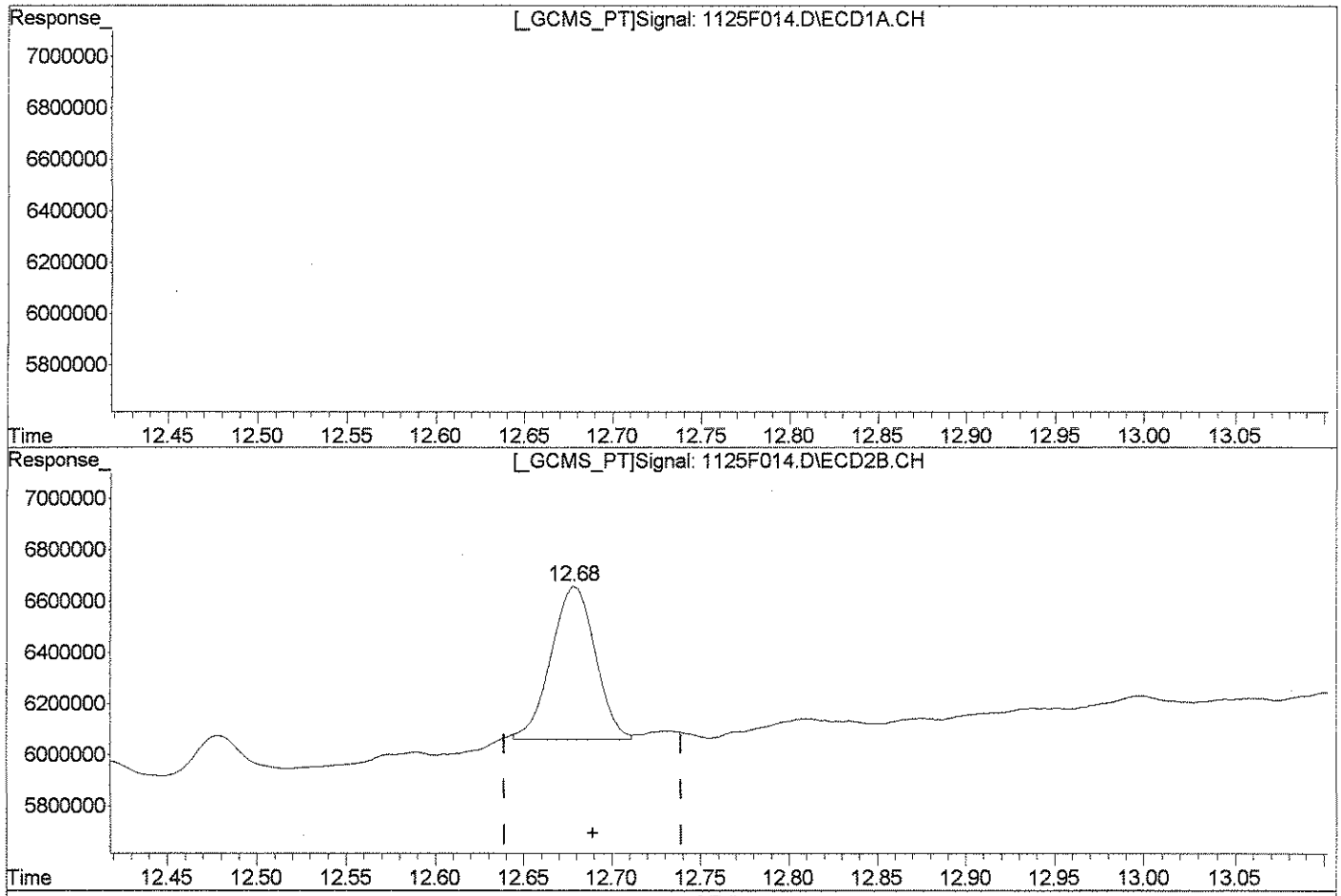
(+) = Expected Retention Time

1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:26:54 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(22) 4,4'-DDT
13.49min 1.563ug/L
response 59707

(22) 4,4'-DDT #2
12.68min 4.299ug/L m
response 1049920

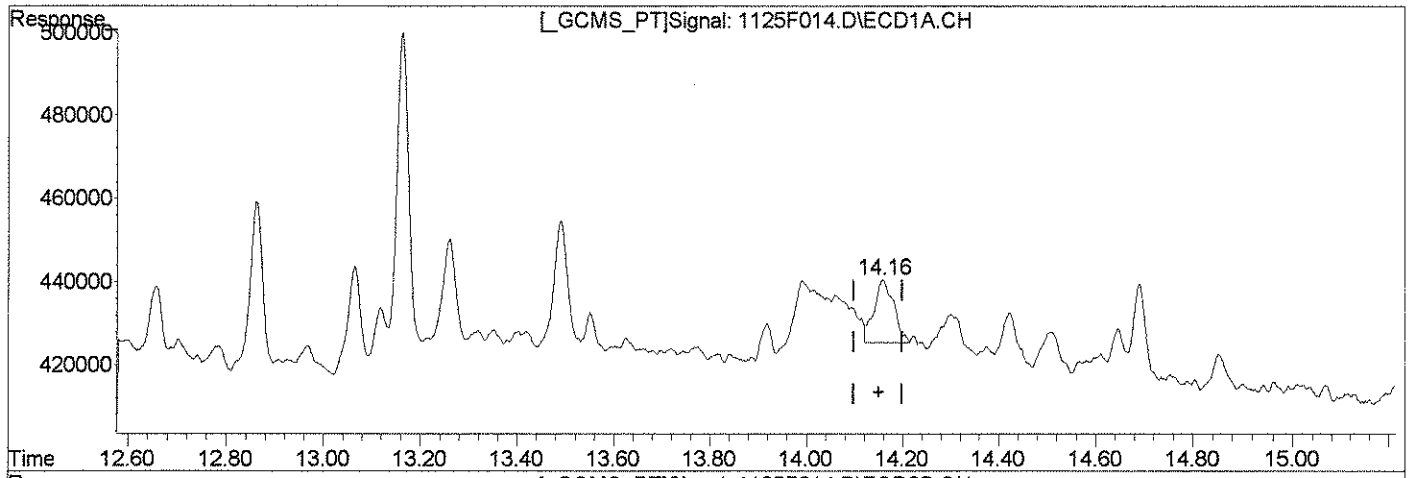
Manual Integration:
After
Baseline/Shoulder
11/26/10

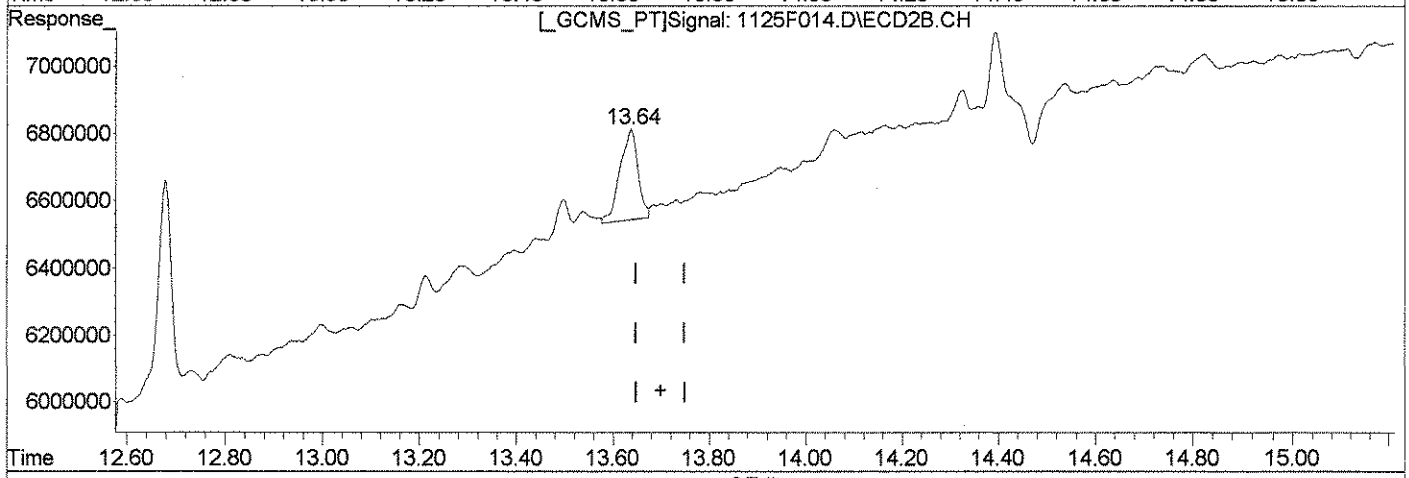
(+) = Expected Retention Time
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:27:03 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(24) Methoxychlor

14.16min 2.038ug/L

response 42592

(24) Methoxychlor #2

13.64min 5.128ug/L

response 705611

Manual Integration:

Before

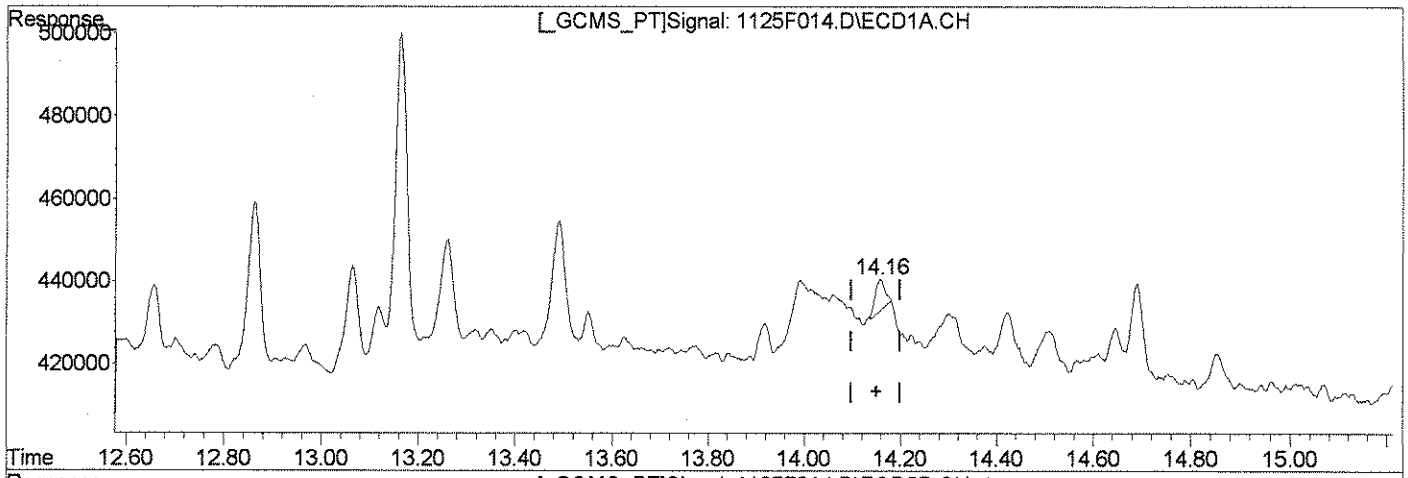
(+) = Expected Retention Time

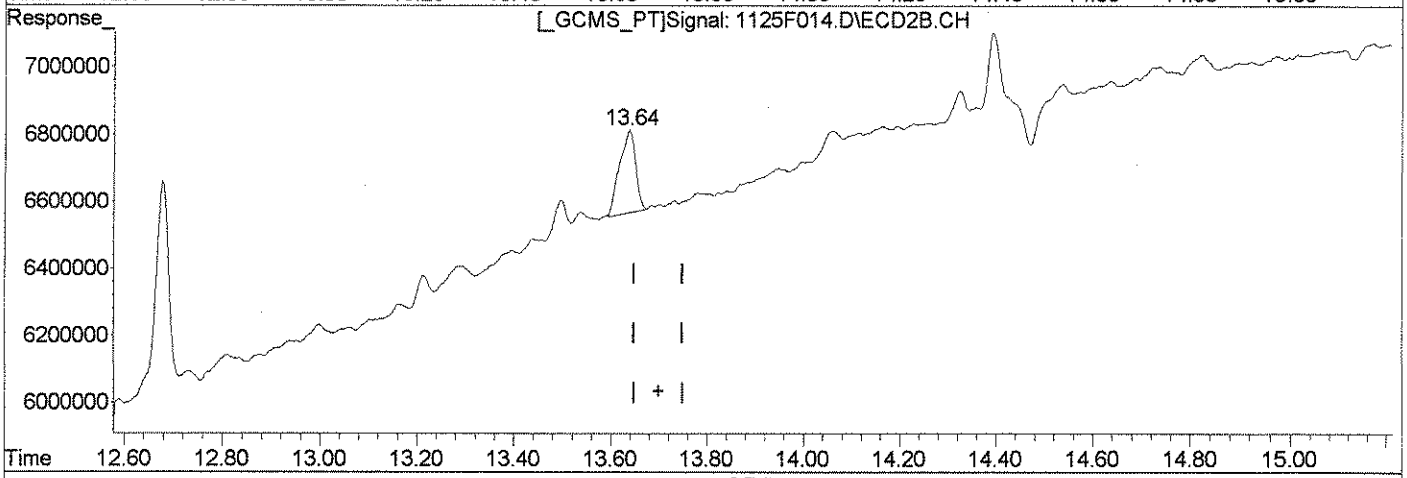
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:27:11 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F014.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\112510\1125F014.D\ECD2B.CH
Acq On : 25 Nov 2010 8:29 pm Operator: CCotnam
Sample : K1012914-002 | SL0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914002. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(24) Methoxychlor
14.16min 0.541ug/L m
response 11307

(24) Methoxychlor #2
13.64min 4.184ug/L m
response 575827

Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F014.D IS-GC23-101410-8081.M Fri Nov 26 11:27:27 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	U	3.0	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	Ui	150	44	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	59	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	21-112	11/25/10	Acceptable
Decachlorobiphenyl	73	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F017.D	**Date Acquired:**	11/25/2010 21:50
Lab ID:	KI012914-009	**Date Quantitated:**	11/26/2010 11:31
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	no
Analyte Co-elution	4,4'-DDT	13.49	NA	NA	cont
	1-Bromo-2-nitrobenzene	5.75	NA	NA	SA
	Endosulfan I	12.05	NA	NA	cont
	Toxaphene {3}	13.49	NA	NA	
	Chlordane {6}	12.05	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.75	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.75	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F017.D\1125F017C.D	**Date Acquired:**	11/25/2010 21:50
Lab ID:	K1012914-009	**Date Quantitated:**	11/26/2010 11:31
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981914	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12116
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F017.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F017.D\1125F017c.d			**Vial:**	22
Acqu Date:	11/25/2010 21:50	**Quant Date:**	11/26/2010 11:31	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-009				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.75	-0.09 c	5.51	-0.06 c	1761245	12821474	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.75	-0.08 c	5.51	-0.05 c	1761245	12821474	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.75	-0.09 c	5.51	-0.06 c	1761245	12821474	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.03	-0.01	7.06	3053444	19323623	79.75	74.04			80OK
					%Recovery =		80OK	74OK	Limits =	21-112	
1	Decachlorobiphenyl	16.49		15.59	3325004	21798542	107.35 CCV	72.90			73OK
					%Recovery =		107OK	73OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC					0	0d	0.0000	0.0000	0.35U	0.35U	0.35U
1	beta-BHC					0	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC					0	0	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor					0	0d	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin	10.69	-0.03	9.72		380757	49876	7.71	0.1530	4.5	0.34U	0.34U
1	Heptachlor Epoxide					0d	0d	0.0000	0.0000	0.39U	0.39U	0.39U
1	Endosulfan I	12.05	+0.01 c	11.14	-0.02	97420	74889	2.27	0.2510	1.7U	1.7U	1.7U
1	Dieldrin	12.43		11.59		17976m	154078	0.3820	0.4830	0.48U	0.48U	0.48U
1	4,4'-DDE	12.24	+0.01	11.41		42505	325228m	0.9910	1.10	1.6U	1.6U	1.6U
1	Endrin					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F017.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F017.D\1125F017c.d			**Vial:**	22
Acqu Date:	11/25/2010 21:50	**Quant Date:**	11/26/2010 11:31	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-009				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	Endosulfan II	13.16 -0.02	12.48 +0.02	207147	56450	4.92	0.1930	2.9J	0.86U	0.86U
1	4,4'-DDD	13.01 -0.01	12.27	23944m	465437m	0.6340	1.83	1.0U	1.1J	1.0U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate			0	0d	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT	13.49 +0.02c	12.68	54334	1886368	1.39	7.52	0.85U	4.4	0.85U
	Toxaphene			0	0	76.42	74.06	45J	43J	**43J**
2	Toxaphene {1}			0	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {2}		12.37 -0.01	0	111098	0.0000	33.92	37U	37U	
2	Toxaphene {3}	13.49 -0.01 c	12.58 +0.01	54334	64696	124.39	37.69	73J	37U	
2	Toxaphene {4}		12.81	0	229635	0.0000	79.86	37U	47J	
2	Toxaphene {5}	14.29 +0.04	13.00 -0.02	27302	209730	52.23	112.93	37U	66J	
2	Toxaphene {6}	14.42 -0.01	13.50	43551	470743	52.64	105.90	37U	62J	
	Chlordane			0	0	39.37	22.10	23J	22U	22U
3	Chlordane {1}	9.87 -0.01	8.96	104425	138080	59.26	12.24	35J	22U	
3	Chlordane {2}		9.27 +0.02	0	60346	0.0000	4.08	22U	22U	
3	Chlordane {3}		10.93 -0.01	0	1210502	0.0000	38.62	22U	23J	
3	Chlordane {4}	11.91 -0.01	10.97 -0.01	178593	448530	34.47	24.77	22U	22U	
3	Chlordane {5}	11.98 -0.01	11.03 -0.01	114841	244133	28.31	26.81	22U	22U	
3	Chlordane {6}	12.05 -0.01 c	11.08 -0.01	97420	678083	35.44	26.06	22U	22U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.06 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1
Solids:	85.4 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F017.D\ECD1A.CH Vial: 22
Signal #2 : J:\GC23\DATA\112510\1125F017.D\ECD2B.CH
Acq On : 25 Nov 2010 9:50 pm Operator: CCotnam
Sample : K1012914-009 | SL0009 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914009. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:38 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.75	5.51	1761245	12821474	50.000	50.000	
26)		1-Bromo-2-nitrob	5.75	5.51	1761245	12821474	50.000	50.000	
33)		1-Bromo-2-nitrob	5.75	5.51	1761245	12821474	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.03	7.06	3053444	19323623	79.748	74.040	
25)	s	Decachlorobiphen	16.49f	15.59	3325004	21798542	107.349	72.901	#
		Target Compounds							
4)		Hexachlorobenzen	8.85	7.91	75139	558356	1.681	1.429	
9)		Aldrin	10.69f	9.72	380757	49876	7.711	0.153	#
12)		gamma-Chlordane	11.91	10.93	178593	1210502	3.844	3.723	
13)		Endosulfan I	12.05	11.14f	97420	74889	2.269	0.251	#
14)		alpha-Chlordane	11.98	11.08	114841	678083	2.491	2.161	
15)		Dieldrin	12.43	11.59	17976	154078	0.382m	0.483	#
16)		4,4'-DDE	12.24	11.41	42505	325228	0.991	1.096m	
18)		Endosulfan II	13.16f	12.48	207147	56450	4.915	0.193	#
19)		4,4'-DDD	13.01	12.27	23944	465437	0.634m	1.830m	#
22)		4,4'-DDT	13.49	12.68	54334	1886368	1.390	7.516	#
23)		Endrin Ketone	14.42	13.96f	43551	50822	0.929	0.156	#
28)		Toxaphene {2}	0.00	12.37	0	111098	N.D.	33.920	#
29)		Toxaphene {3}	13.49f	12.58	54334	64696	124.392	37.685	#
30)		Toxaphene {4}	0.00	12.81	0	229635	N.D.	79.855	#
31)		Toxaphene {5}	14.29f	13.00f	27302	209730	52.228	112.928	#
32)		Toxaphene {6}	14.42f	13.50	43551	470743	52.640	105.896	#
34)		Chlordane	9.87	8.96	104425	138080	59.263	12.240	#
35)		Chlordane {2}	0.00	9.27	0	60346	N.D.	4.080	#
36)		Chlordane {3}	0.00	10.93	0	1210502	N.D.	38.624	#
37)		Chlordane {4}	11.91	10.97	178593	448530	34.474	24.770	#
38)		Chlordane {5}	11.98	11.03	114841	244133	28.313	26.811	
39)		Chlordane {6}	12.05	11.08	97420	678083	35.438	26.064	#

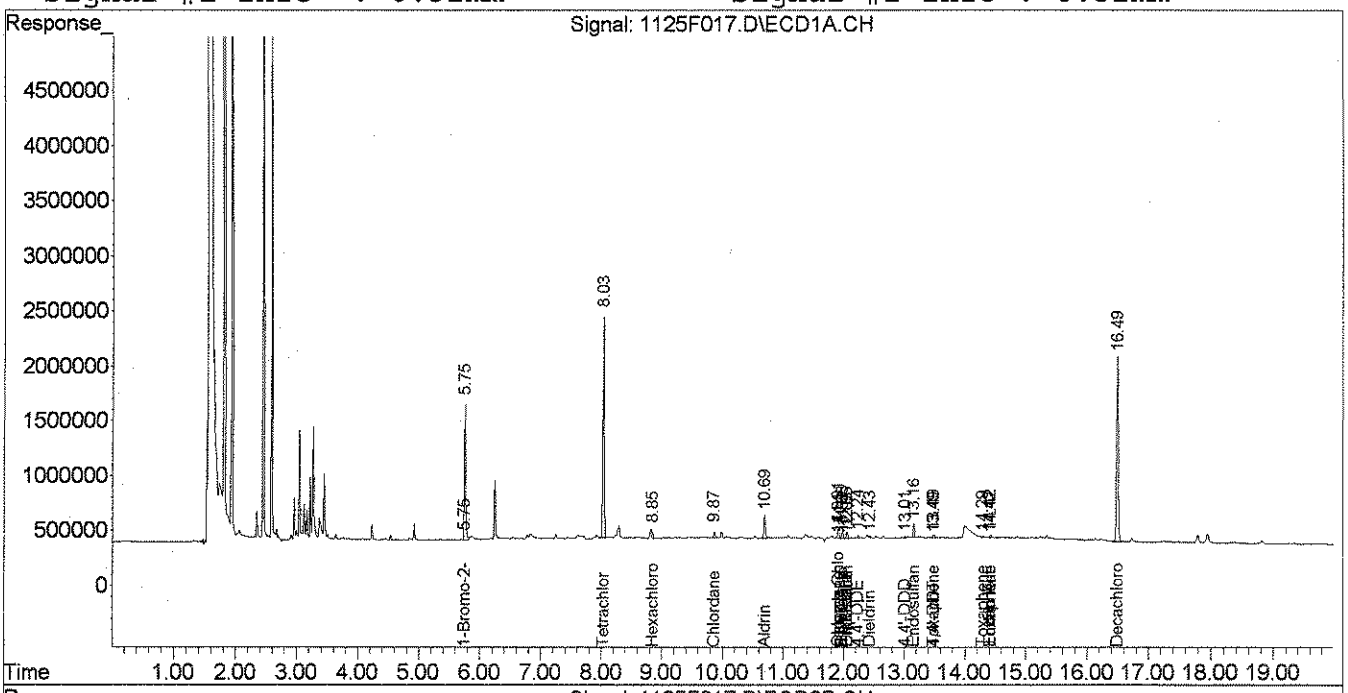
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

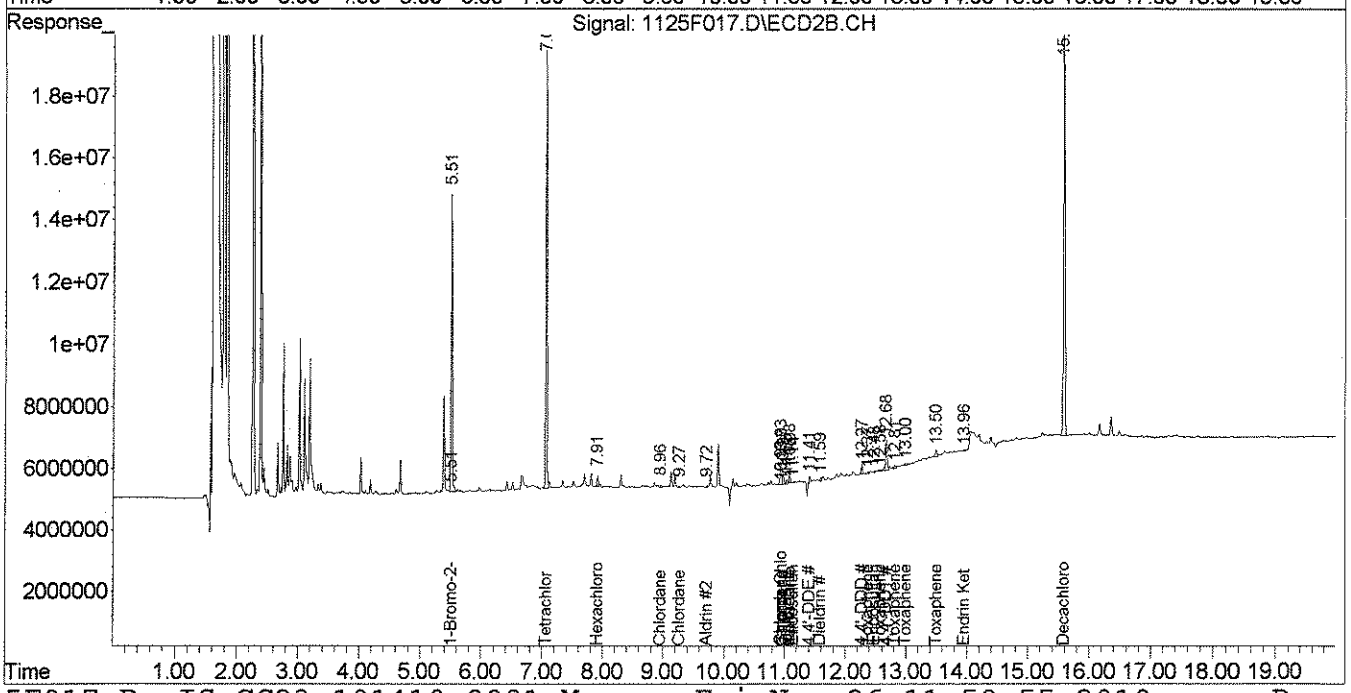
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F017.D\ECD1A.CH Vial: 22
Signal #2 : J:\GC23\DATA\112510\1125F017.D\ECD2B.CH
Acq On : 25 Nov 2010 9:50 pm Operator: CCotnam
Sample : K1012914-009 | SL0009 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914009. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:31 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

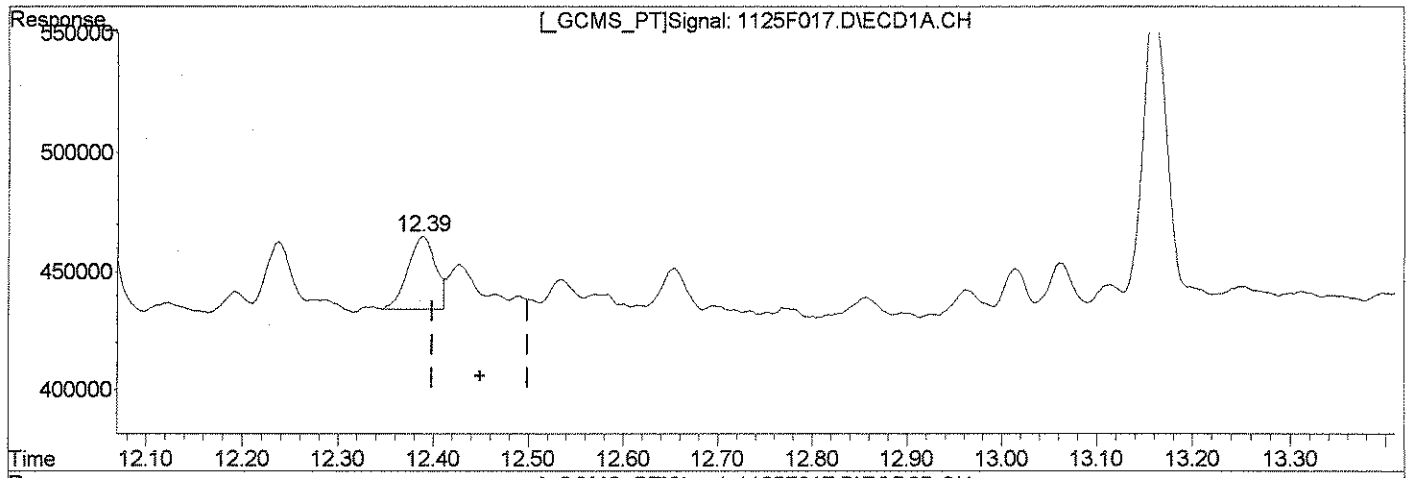


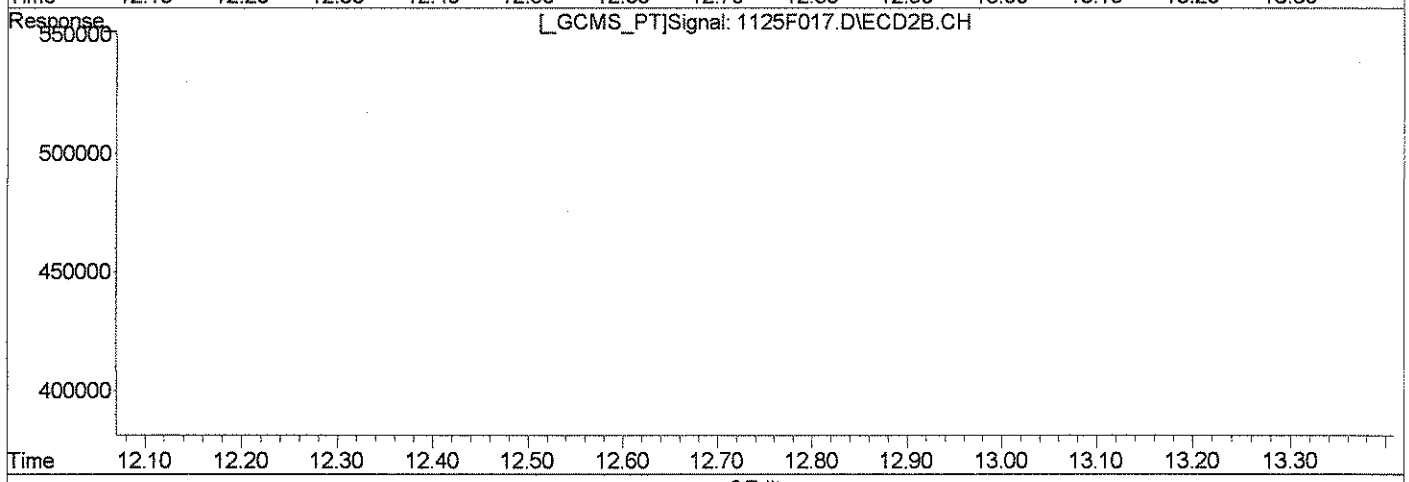


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F017.D\ECD1A.CH Vial: 22
Signal #2 : J:\GC23\DATA\112510\1125F017.D\ECD2B.CH
Acq On : 25 Nov 2010 9:50 pm Operator: CCotnam
Sample : K1012914-009 | SL0009 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914009. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(15) Dieldrin

12.39min 1.335ug/L

response 62793

(15) Dieldrin #2

11.59min 0.483ug/L

response 154078

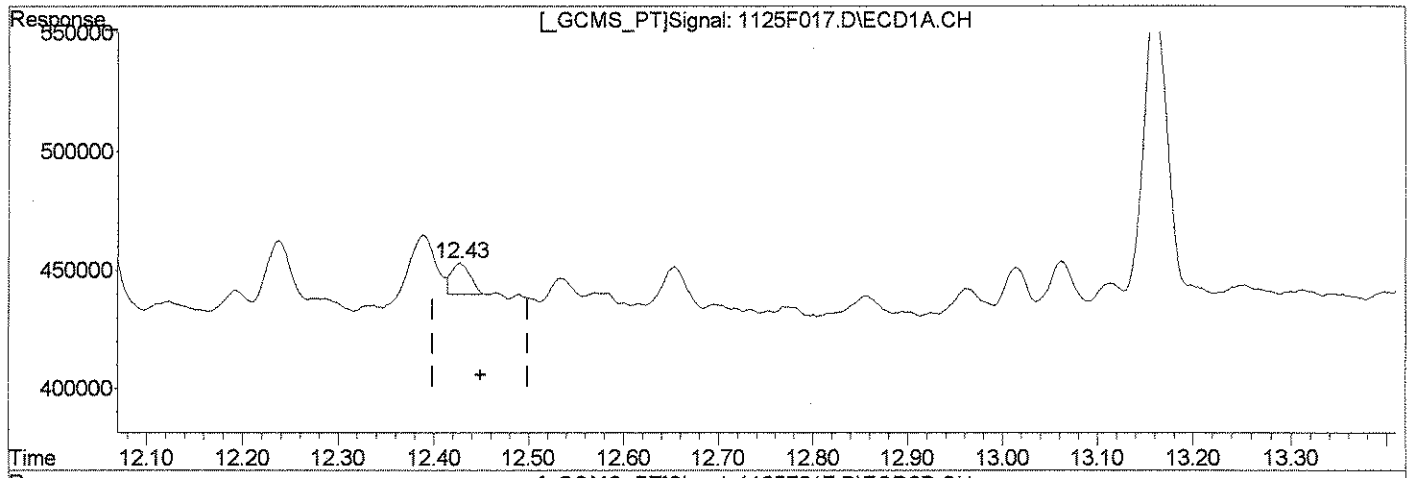
(+) = Expected Retention Time

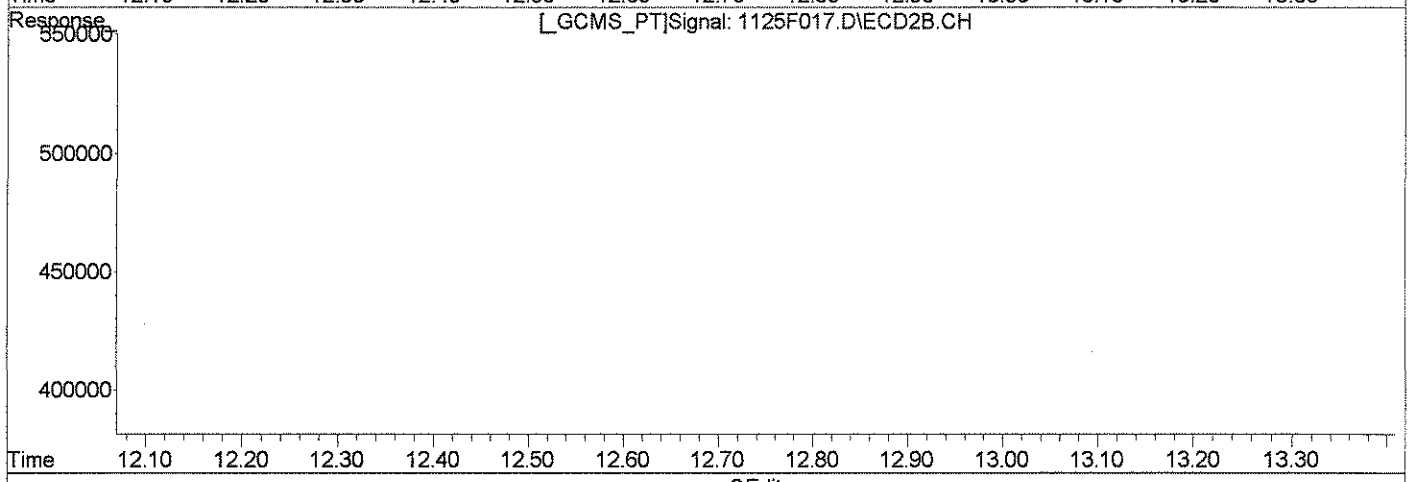
1125F017.D IS-GC23-101410-8081.M Fri Nov 26 11:30:41 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F017.D\ECD1A.CH Vial: 22
Signal #2 : J:\GC23\DATA\112510\1125F017.D\ECD2B.CH
Acq On : 25 Nov 2010 9:50 pm Operator: CCotnam
Sample : K1012914-009 | SL0009 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914009. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(15) Dieldrin

12.43min 0.382ug/L m

response 17976

(15) Dieldrin #2

11.59min 0.483ug/L

response 154078

Manual Integration:

After

Wrong Peak

11/26/10

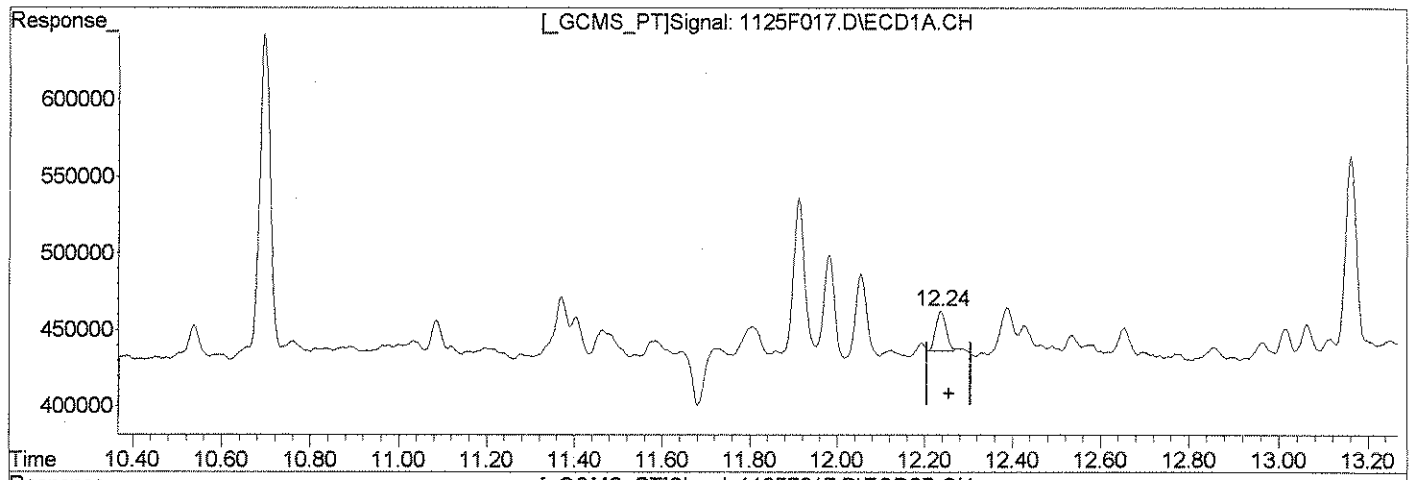
(+) = Expected Retention Time

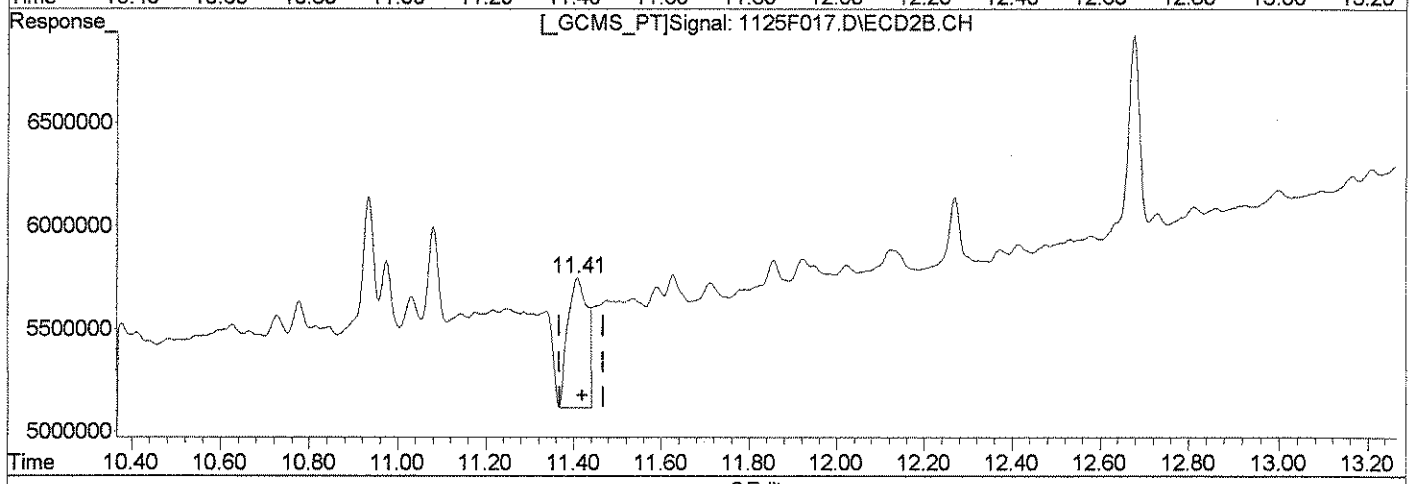
1125F017.D IS-GC23-101410-8081.M Fri Nov 26 11:30:49 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F017.D\ECD1A.CH Vial: 22
Signal #2 : J:\GC23\DATA\112510\1125F017.D\ECD2B.CH
Acq On : 25 Nov 2010 9:50 pm Operator: CCotnam
Sample : K1012914-009 | SL0009 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914009. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(16) 4,4'-DDE

12.24min 0.991ug/L

response 42505

(16) 4,4'-DDE #2

11.41min 6.841ug/L

response 2030778

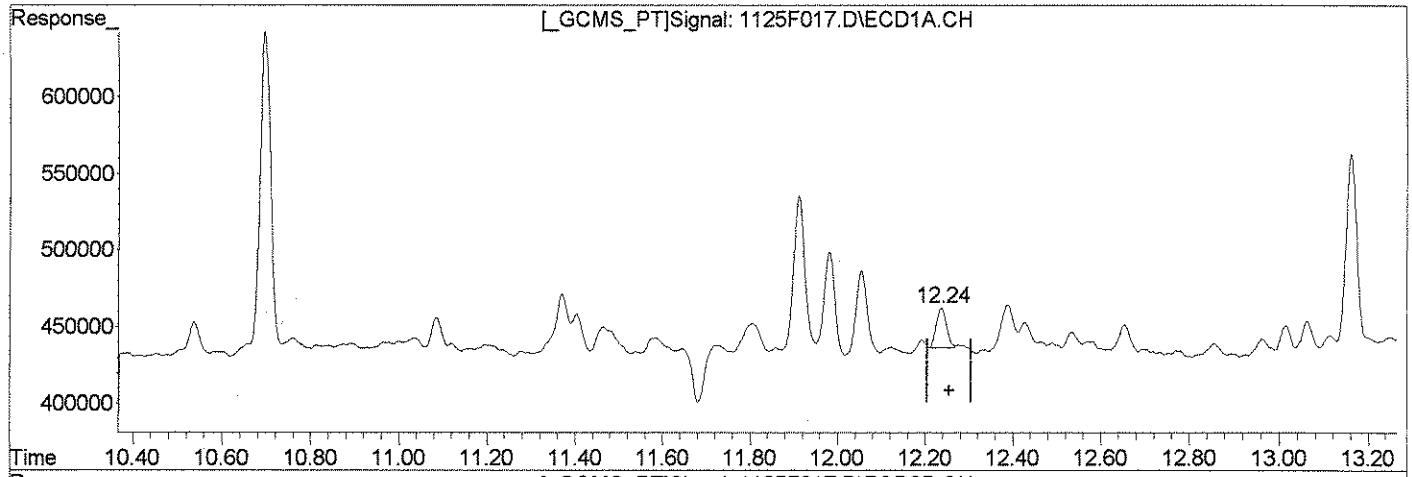
(+) = Expected Retention Time

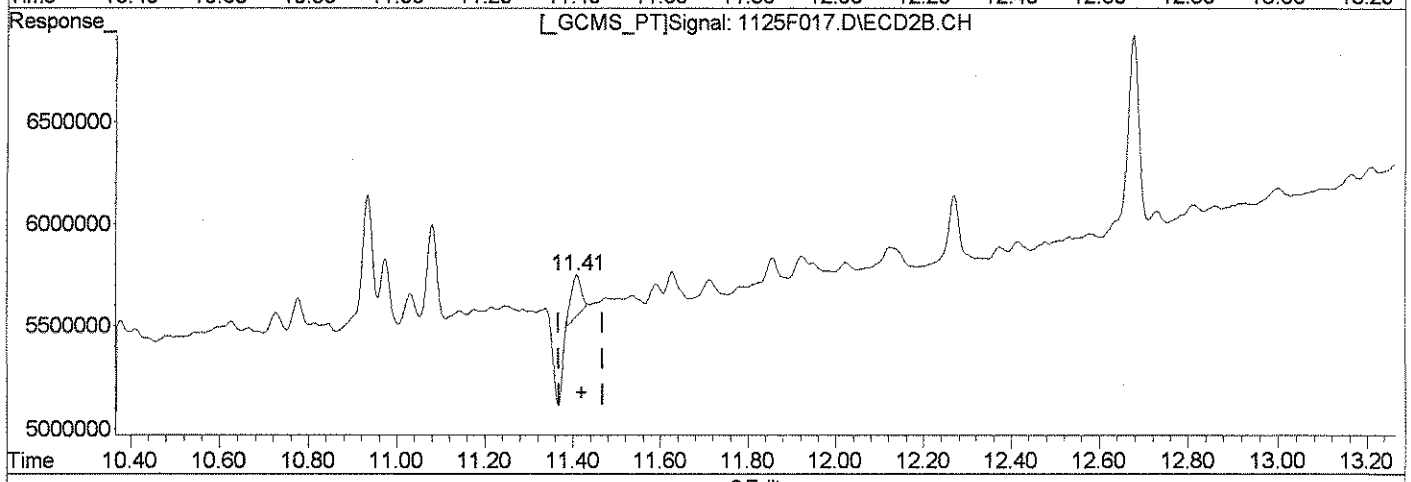
1125F017.D IS-GC23-101410-8081.M Fri Nov 26 11:30:55 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F017.D\ECD1A.CH Vial: 22
Signal #2 : J:\GC23\DATA\112510\1125F017.D\ECD2B.CH
Acq On : 25 Nov 2010 9:50 pm Operator: CCotnam
Sample : K1012914-009 | SL0009 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914009. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(16) 4,4'-DDE
12.24min 0.991ug/L
response 42505

(16) 4,4'-DDE #2
11.41min 1.096ug/L m
response 325228

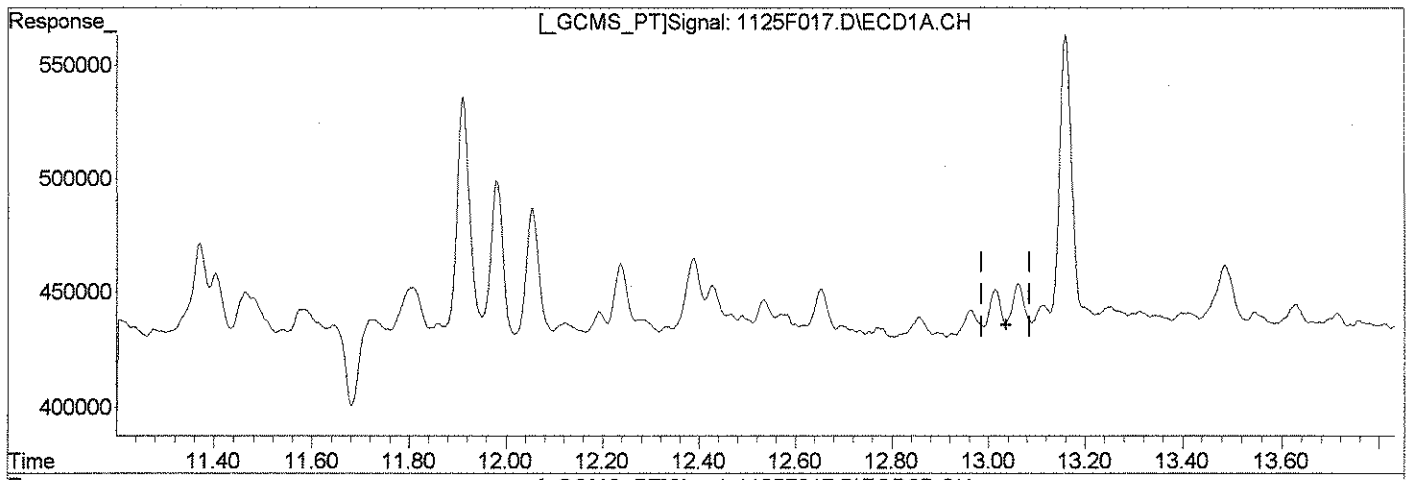
Manual Integration:
After
Baseline/Shoulder
11/26/10

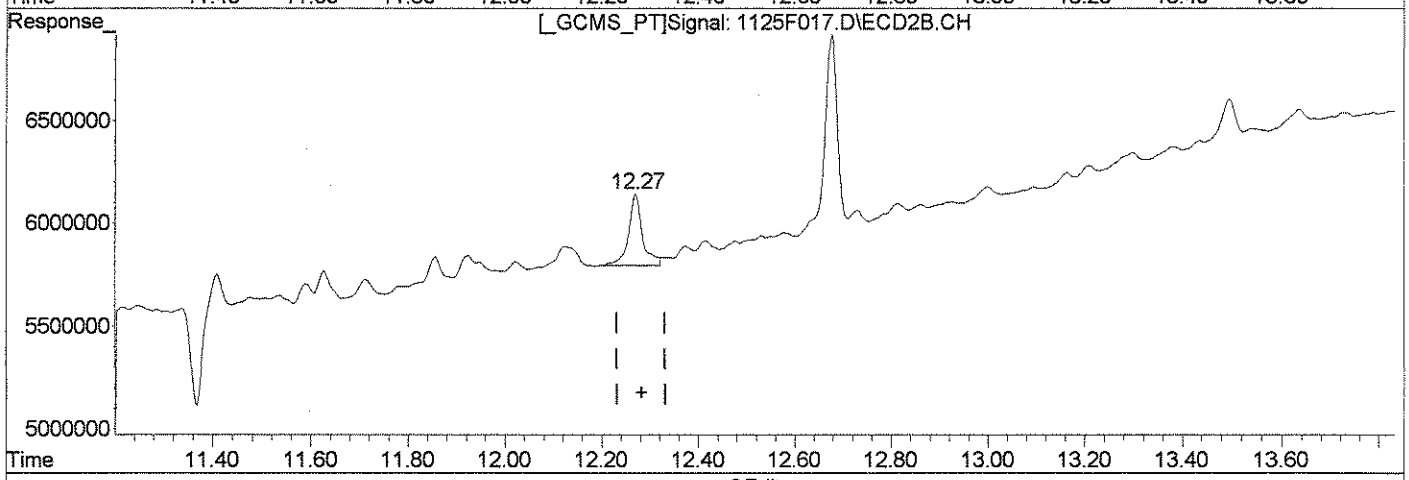
(+) = Expected Retention Time
1125F017.D IS-GC23-101410-8081.M Fri Nov 26 11:31:05 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F017.D\ECD1A.CH Vial: 22
Signal #2 : J:\GC23\DATA\112510\1125F017.D\ECD2B.CH
Acq On : 25 Nov 2010 9:50 pm Operator: CCotnam
Sample : K1012914-009 | SL0009 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914009. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(19) 4,4'-DDD

0.00min 0.000ug/L

response 0

(19) 4,4'-DDD #2

12.27min 2.750ug/L

response 699295

Manual Integration:

Before

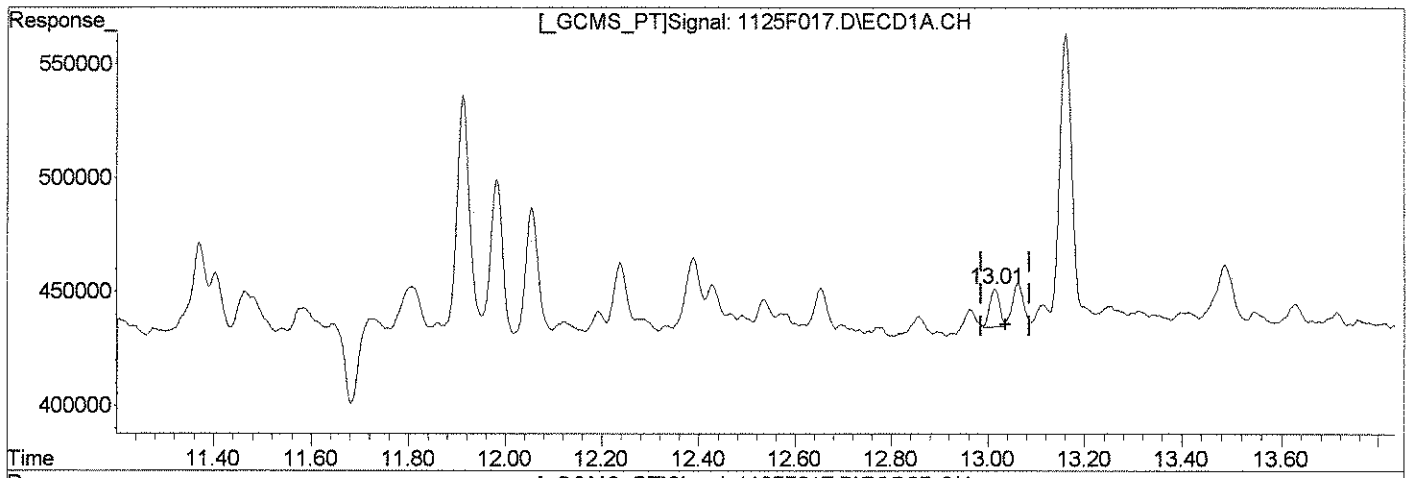
(+) = Expected Retention Time

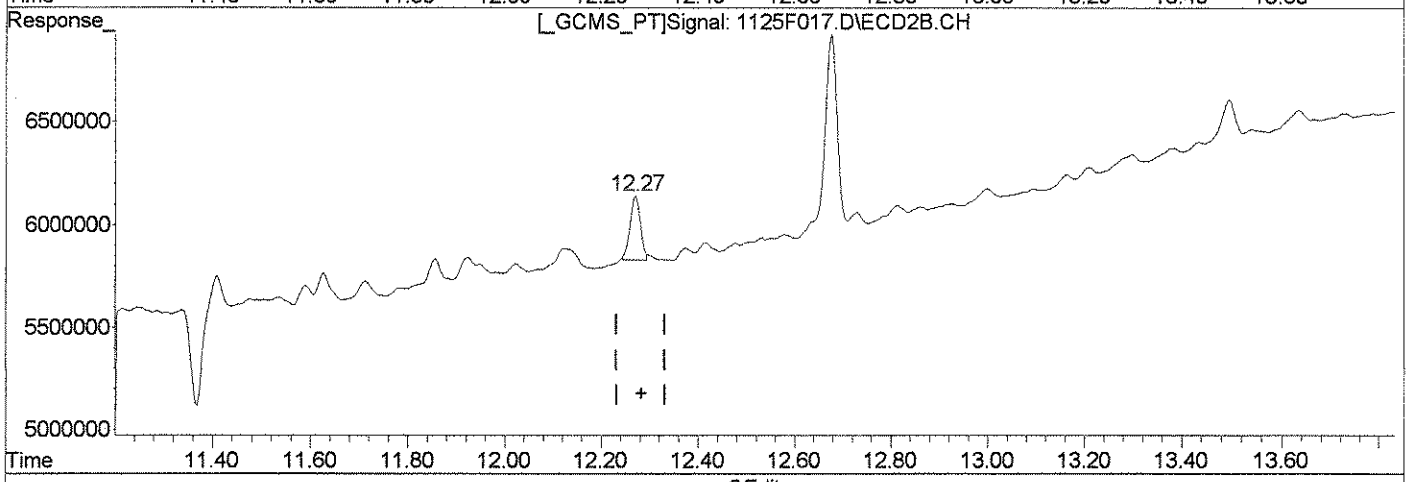
1125F017.D IS-GC23-101410-8081.M Fri Nov 26 11:31:12 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F017.D\ECD1A.CH Vial: 22
Signal #2 : J:\GC23\DATA\112510\1125F017.D\ECD2B.CH
Acq On : 25 Nov 2010 9:50 pm Operator: CCotnam
Sample : K1012914-009 | SL0009 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914009. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(19) 4,4'-DDD

13.01min 0.634ug/L m

response 23944

(19) 4,4'-DDD #2

12.27min 1.830ug/L m

response 465437

Manual Integration:

After

missed peak/baseline

11/26/10

(+) = Expected Retention Time

1125F017.D IS-GC23-101410-8081.M Fri Nov 26 11:31:32 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.8	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	2.8	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	2.8	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	2.8	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	2.8	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.8	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	2.8	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	**0.51**	J	2.8	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	2.8	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	2.8	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	2.8	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	2.8	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.8	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**1.6**	JP	2.8	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	140	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	56	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	21-112	11/25/10	Acceptable
Decachlorobiphenyl	77	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F018.D	**Date Acquired:**	11/25/2010 22:17
Lab ID:	K1012914-010	**Date Quantitated:**	11/26/2010 11:34
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	ND
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	GK
	Endosulfan I	12.06	NA	NA	Cont
	Chlordane {6}	12.06	NA	NA	↓
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	GK
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	↓

Primary Review: CC 11/29/10

Secondary Review: M Mgm

Exception Report

Data File:	J:\GC23\DATA\112510\1125F018.D\1125F018C.D	**Date Acquired:**	11/25/2010 22:17
Lab ID:	K1012914-010	**Date Quantitated:**	11/26/2010 11:34
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: 11/29/10

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981915	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12116
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F018.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F018.D\1125F018c.d			**Vial:**	23
Acqu Date:	11/25/2010 22:17	**Quant Date:**	11/26/2010 11:34	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-010				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08 c	5.51	-0.06 c	1679139	12189329	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76	-0.07 c	5.51	-0.05 c	1679139	12189329	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76	-0.08 c	5.51	-0.06 c	1679139	12189329	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04		7.06	2860760	18170720	78.37	73.23			78OK
					%Recovery =		78OK	73OK	Limits =	21-112	
1	Decachlorobiphenyl	16.50	+0.01	15.59	3152000	21810017	106.74 CCV	76.72			77OK
					%Recovery =		107OK	77OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC					0	0	0.0000	0.0000	0.35U	0.35U	0.35U
1	beta-BHC					0	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)					0	0	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC					0	0	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor					0	0d	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin					0	0d	0.0000	0.0000	0.34U	0.34U	0.34U
1	Heptachlor Epoxide	11.41	-0.01	10.58		60786	154433	1.35	0.5100	0.75J	0.39U	0.39U
1	Endosulfan I	12.06	+0.02 c	11.15	-0.01	103743	31074	2.53	0.1090	1.7U	1.7U	1.7U
1	Dieldrin	12.43		11.59		41533m	316882m	0.9260	1.04	0.51J	0.58J	0.51J
1	4,4'-DDE	12.24	+0.01	11.41		41762	295021m	1.02	1.05	1.6U	1.6U	1.6U
1	Endrin					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F018.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F018.D\1125F018c.d			**Vial:**	23
Acqu Date:	11/25/2010 22:17	**Quant Date:**	11/26/2010 11:34	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-010				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	Endosulfan II	13.16 -0.02	12.48 +0.02	69005	43848	1.72	0.1570	0.95J	0.86U	0.86U
1	4,4'-DDD			0	0d	0.0000	0.0000	1.0U	1.0U	1.0U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate			0	0	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT	13.47	12.68	105519	1096650m	2.83	4.60	1.6J	2.5J	1.6JP
	Toxaphene			0	0	0.0000	62.17	37U	37U	37U
2	Toxaphene {1}		12.27 -0.03	0	352628	0.0000	80.50	37U	45J	
2	Toxaphene {2}		12.38	0	58126	0.0000	18.67	37U	37U	
2	Toxaphene {3}		12.55 -0.02	0d	53081	0.0000	32.52	37U	37U	
2	Toxaphene {4}		12.82 +0.01	0	221739	0.0000	81.11	37U	45J	
2	Toxaphene {5}		13.01 -0.01	0	132267	0.0000	74.91	37U	42J	
2	Toxaphene {6}		13.50	0	360541	0.0000	85.31	37U	47J	
	Chlordane			0	0	28.98	18.18	22U	22U	22U
3	Chlordane {1}	9.87 -0.01	8.96	41825	49534	24.90	4.62	22U	22U	
3	Chlordane {2}		9.28 +0.03	0	29717	0.0000	2.11	22U	22U	
3	Chlordane {3}		10.94	0	859554	0.0000	28.85	22U	22U	
3	Chlordane {4}	11.91 -0.01	10.98	150098	593774	30.39	34.49	22U	22U	
3	Chlordane {5}	11.99	11.03 -0.01	81450	153824	21.06	17.77	22U	22U	
3	Chlordane {6}	12.06 c	11.08 -0.01	103743	525624	39.58	21.25	22U	22U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.33 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1
Solids:	88.7 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
c: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F018.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\112510\1125F018.D\ECD2B.CH
Acq On : 25 Nov 2010 10:17 pm Operator: CCotnam
Sample : K1012914-010 | SL0010 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914010. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:39 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1679139	12189329	50.000	50.000	
26)		1-Bromo-2-nitrob	5.76	5.51	1679139	12189329	50.000	50.000	
33)		1-Bromo-2-nitrob	5.76	5.51	1679139	12189329	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.06	2860760	18170720	78.369	73.233	
25)	s	Decachlorobiphen	16.50f	15.59	3152000	21810017	106.739	76.722	#
		Target Compounds							
11)		Heptachlor Epoxi	11.41f	10.58	60786	154433	1.350	0.510	#
12)		gamma-Chlordane	11.91	10.94	141274	859554	3.190m	2.781	
13)		Endosulfan I	12.06	11.15	103743	31074	2.534	0.109	#
14)		alpha-Chlordane	11.99	11.08	81450	525624	1.853	1.762	
15)		Dieldrin	12.43	11.59	41533	316882	0.926m	1.044m	
16)		4,4'-DDE	12.24	11.41	41762	295021	1.022	1.045m	
18)		Endosulfan II	13.16f	12.48	69005	43848	1.717	0.157	#
22)		4,4'-DDT	13.47	12.68	105519	1096650	2.832	4.596m	#
27)		Toxaphene	0.00	12.27f	0	352628	N.D.	80.499	#
28)		Toxaphene {2}	0.00	12.38	0	58126	N.D.	18.667	#
29)		Toxaphene {3}	0.00	12.55	0	53081	N.D. d	32.523	
30)		Toxaphene {4}	0.00	12.82	0	221739	N.D.	81.108	#
31)		Toxaphene {5}	0.00	13.01	0	132267	N.D.	74.912	#
32)		Toxaphene {6}	0.00	13.50	0	360541	N.D.	85.312	#
34)		Chlordane	9.87	8.96	41825	49534	24.897	4.619	#
35)		Chlordane {2}	0.00	9.28f	0	29717	N.D.	2.114	#
36)		Chlordane {3}	0.00	10.94	0	859554	N.D.	28.848	#
37)		Chlordane {4}	11.91	10.98	150098	593774	30.390	34.492	
38)		Chlordane {5}	11.99	11.03	81450	153824	21.063	17.770	
39)		Chlordane {6}	12.06	11.08	103743	525624	39.583	21.252	#

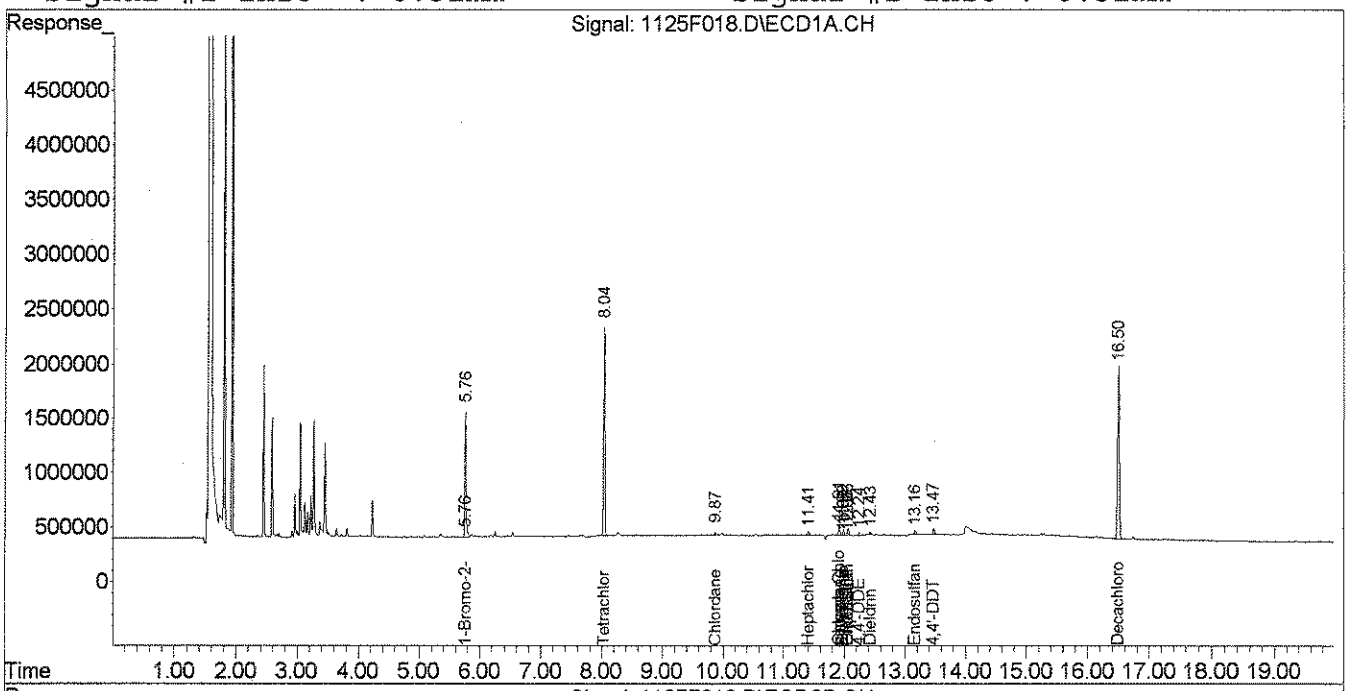
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

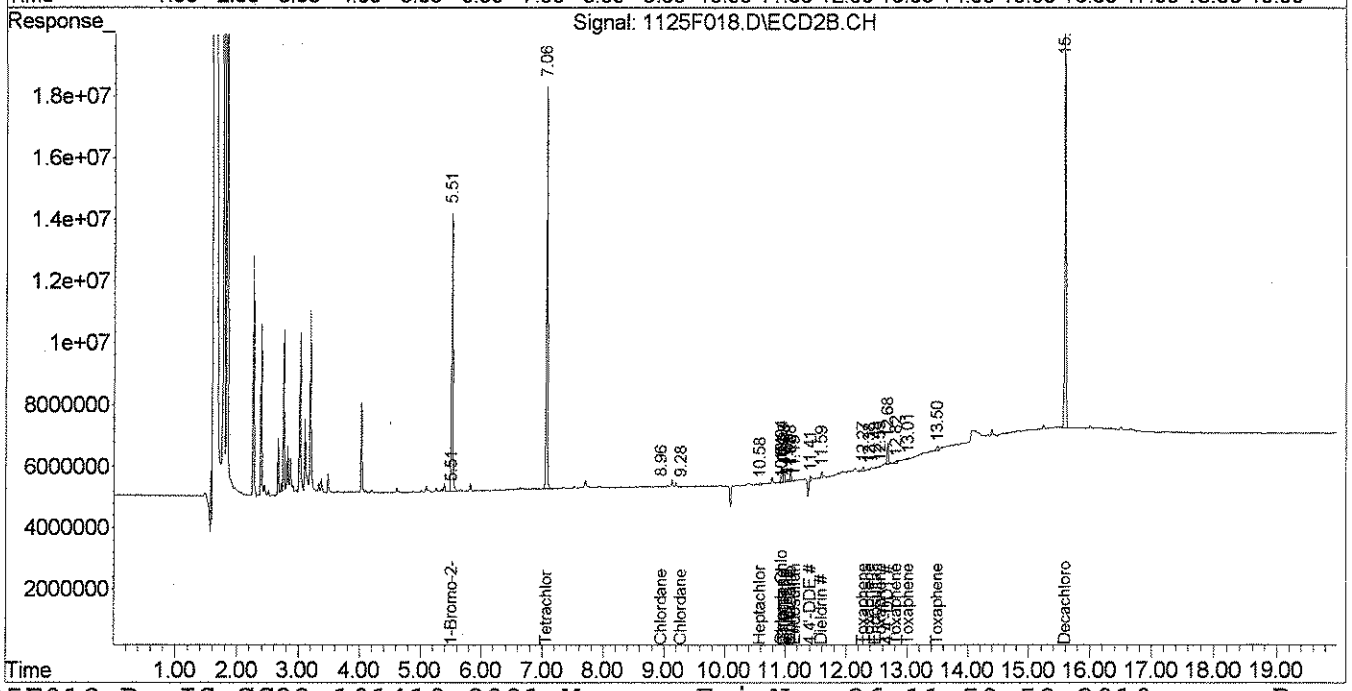
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F018.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\112510\1125F018.D\ECD2B.CH
Acq On : 25 Nov 2010 10:17 pm Operator: CCotnam
Sample : K1012914-010 | SL0010 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914010. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:34 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

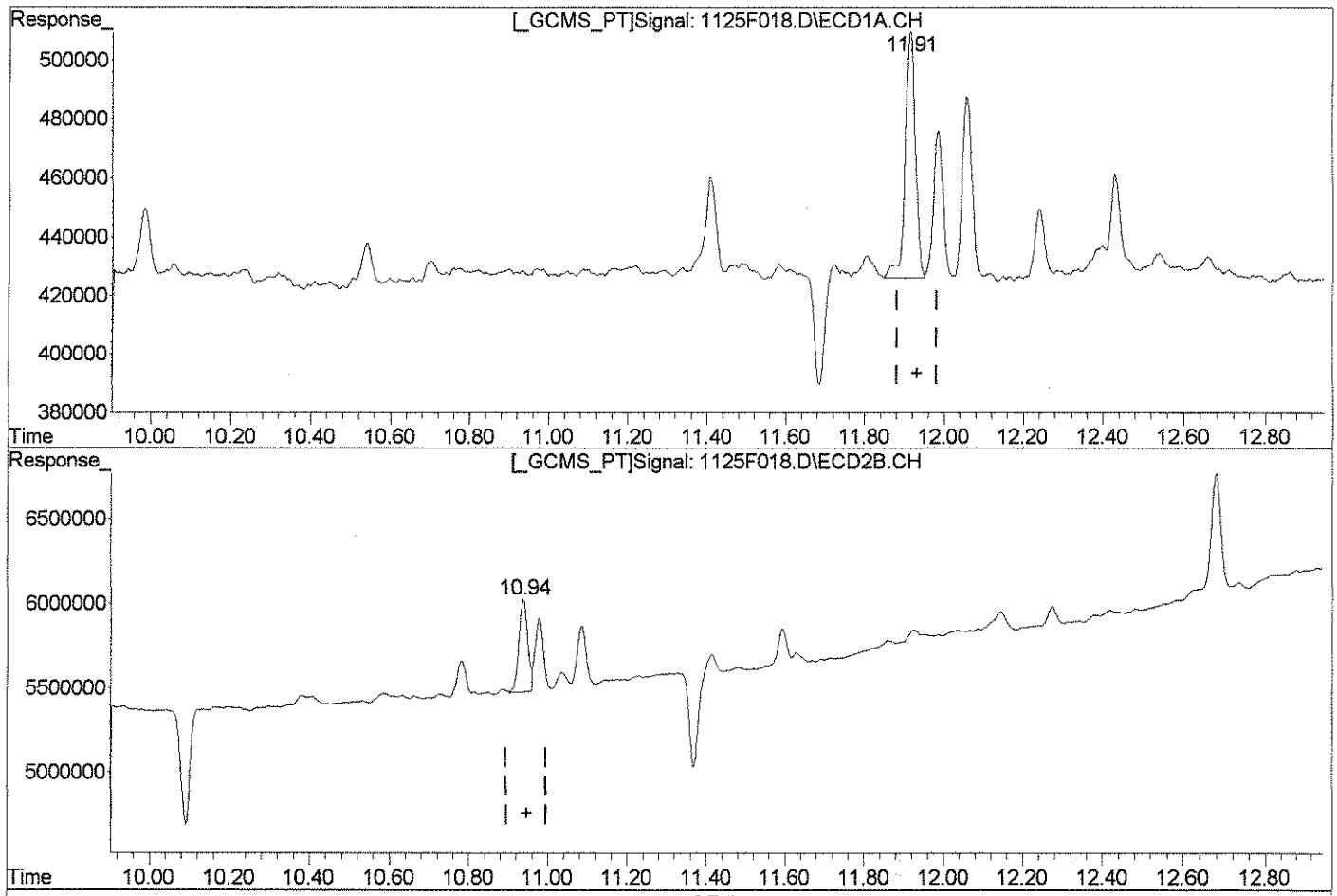




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F018.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\112510\1125F018.D\ECD2B.CH
Acq On : 25 Nov 2010 10:17 pm Operator: CCotnam
Sample : K1012914-010 | SL0010 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914010. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(12) gamma-Chlordane

11.91min 3.389ug/L

response 150098

(12) gamma-Chlordane #2

10.94min 2.781ug/L

response 859554

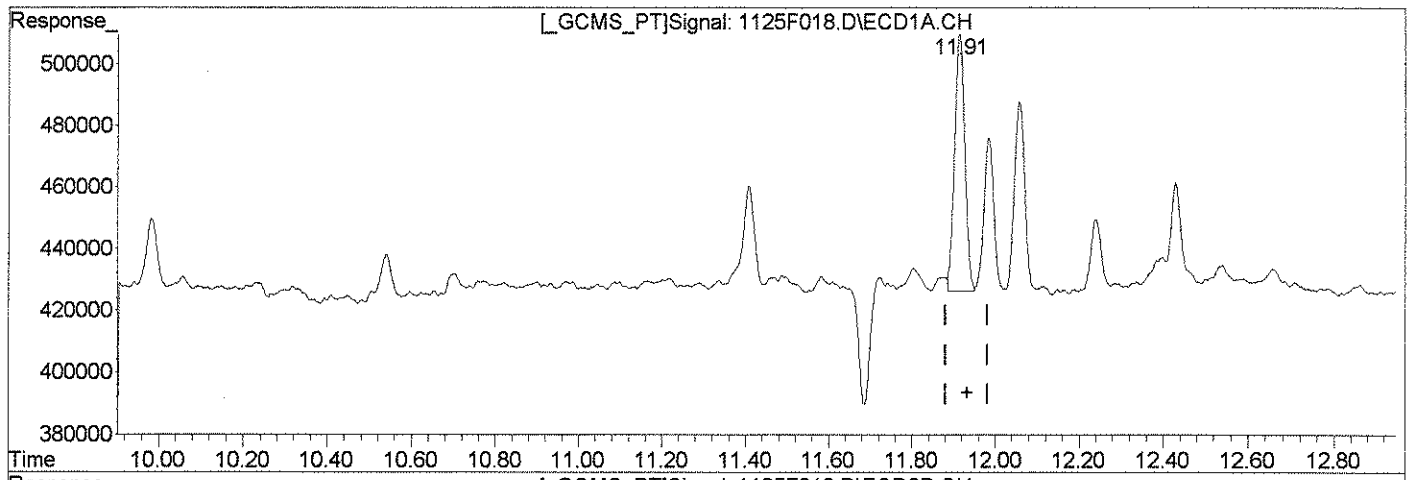
(+) = Expected Retention Time

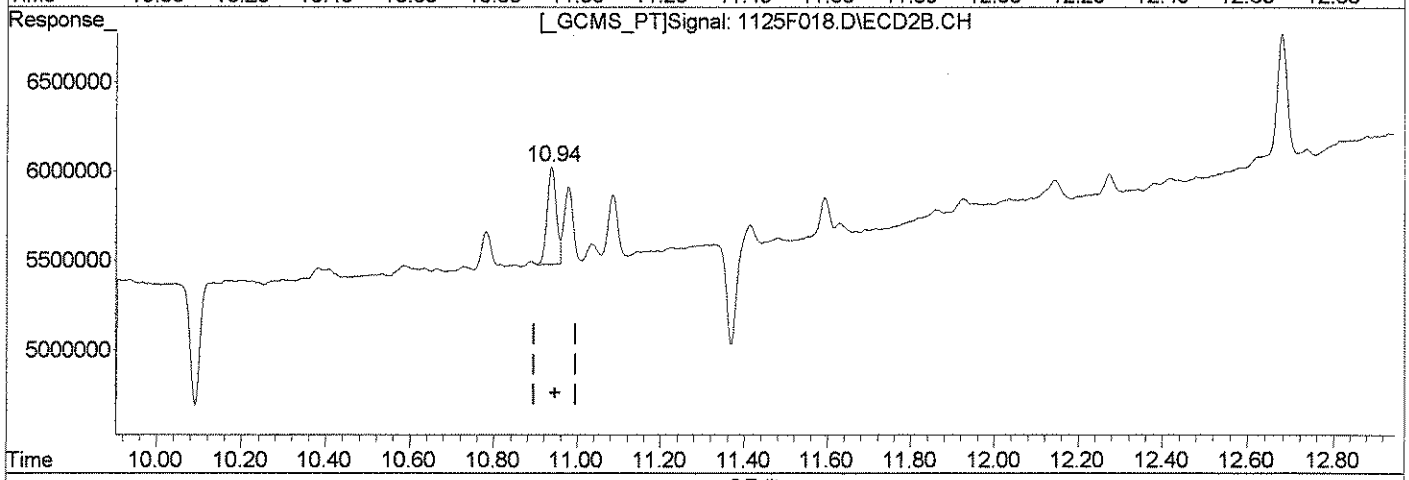
1125F018.D IS-GC23-101410-8081.M Fri Nov 26 11:32:43 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F018.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\112510\1125F018.D\ECD2B.CH
Acq On : 25 Nov 2010 10:17 pm Operator: CCotnam
Sample : K1012914-010 | SL0010 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914010. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(12) gamma-Chlordane
11.91min 3.190ug/L m
response 141274

(12) gamma-Chlordane #2
10.94min 2.781ug/L
response 859554

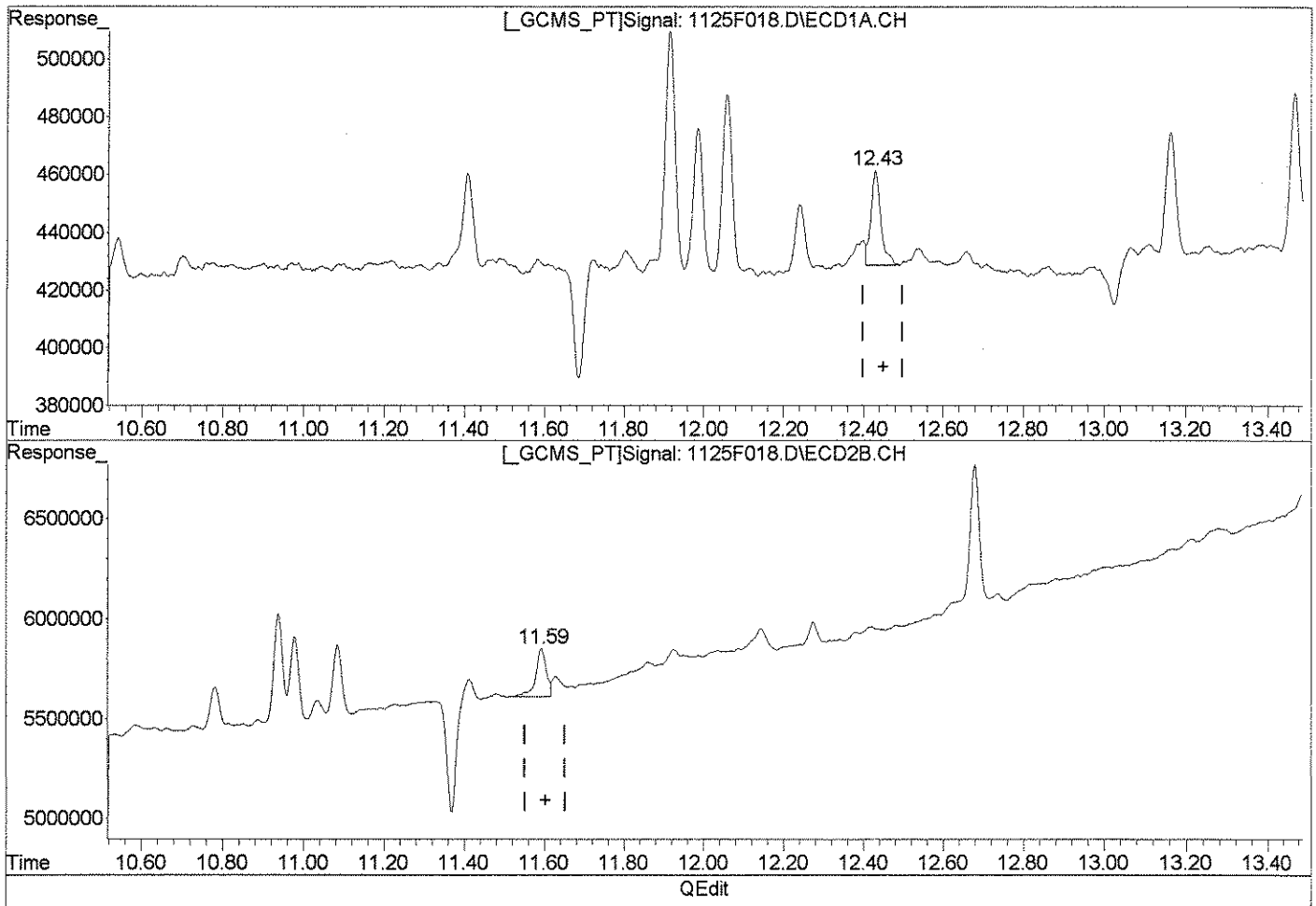
Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F018.D IS-GC23-101410-8081.M Fri Nov 26 11:32:54 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F018.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\112510\1125F018.D\ECD2B.CH
Acq On : 25 Nov 2010 10:17 pm Operator: CCotnam
Sample : K1012914-010 | SL0010 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914010. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(15) Dieldrin

12.43min 1.265ug/L

response 56732

(15) Dieldrin #2

11.59min 1.508ug/L

response 457565

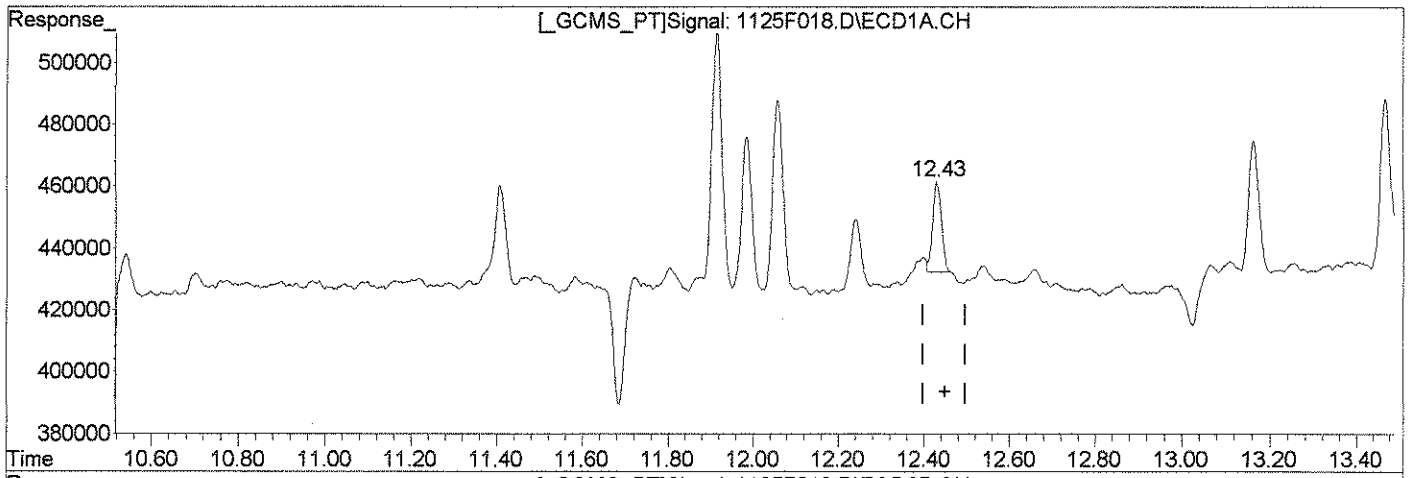
(+) = Expected Retention Time

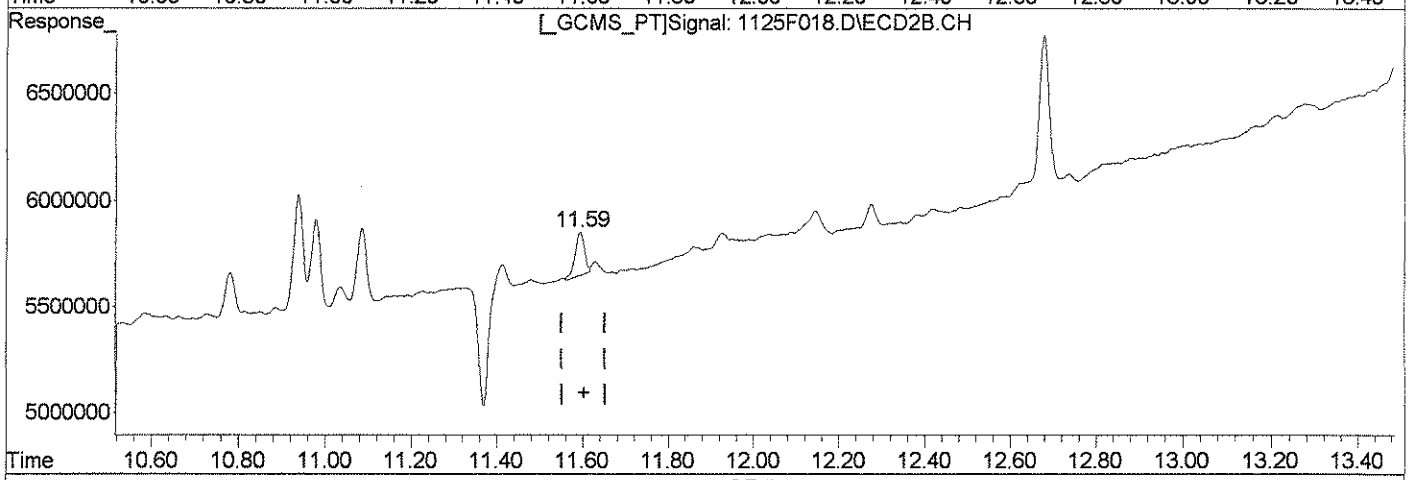
1125F018.D IS-GC23-101410-8081.M Fri Nov 26 11:33:02 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F018.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\112510\1125F018.D\ECD2B.CH
Acq On : 25 Nov 2010 10:17 pm Operator: CCotnam
Sample : K1012914-010 | SL0010 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914010. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(15) Dieldrin

12.43min 0.926ug/L m

response 41533

(15) Dieldrin #2

11.59min 1.044ug/L m

response 316882

Manual Integration:

After

Baseline/Shoulder

11/26/10

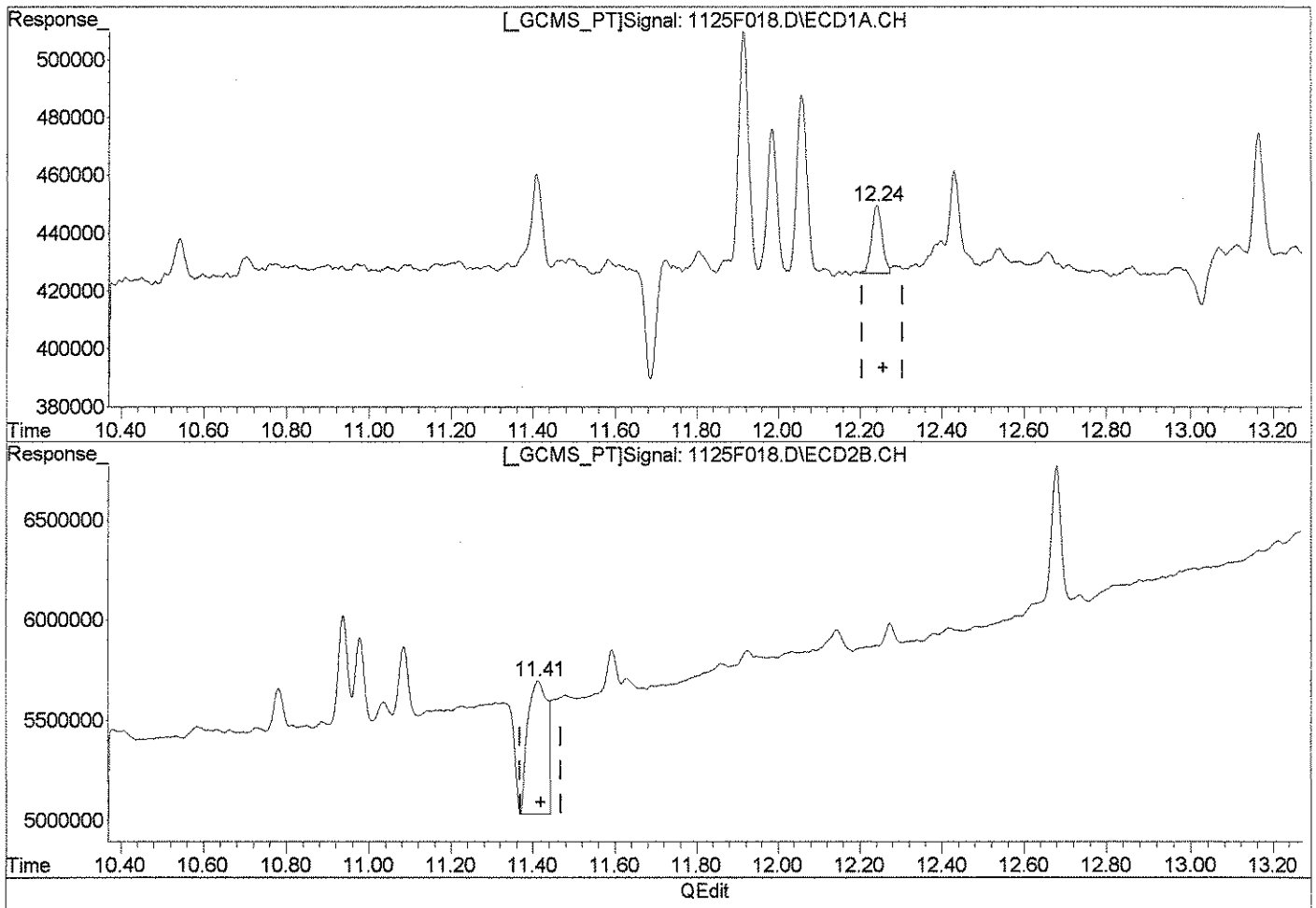
(+) = Expected Retention Time

1125F018.D IS-GC23-101410-8081.M Fri Nov 26 11:33:17 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F018.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\112510\1125F018.D\ECD2B.CH
Acq On : 25 Nov 2010 10:17 pm Operator: CCotnam
Sample : K1012914-010 | SL0010 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914010. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(16) 4,4'-DDE

12.24min 1.022ug/L

response 41762

(16) 4,4'-DDE #2

11.41min 8.104ug/L

response 2287081

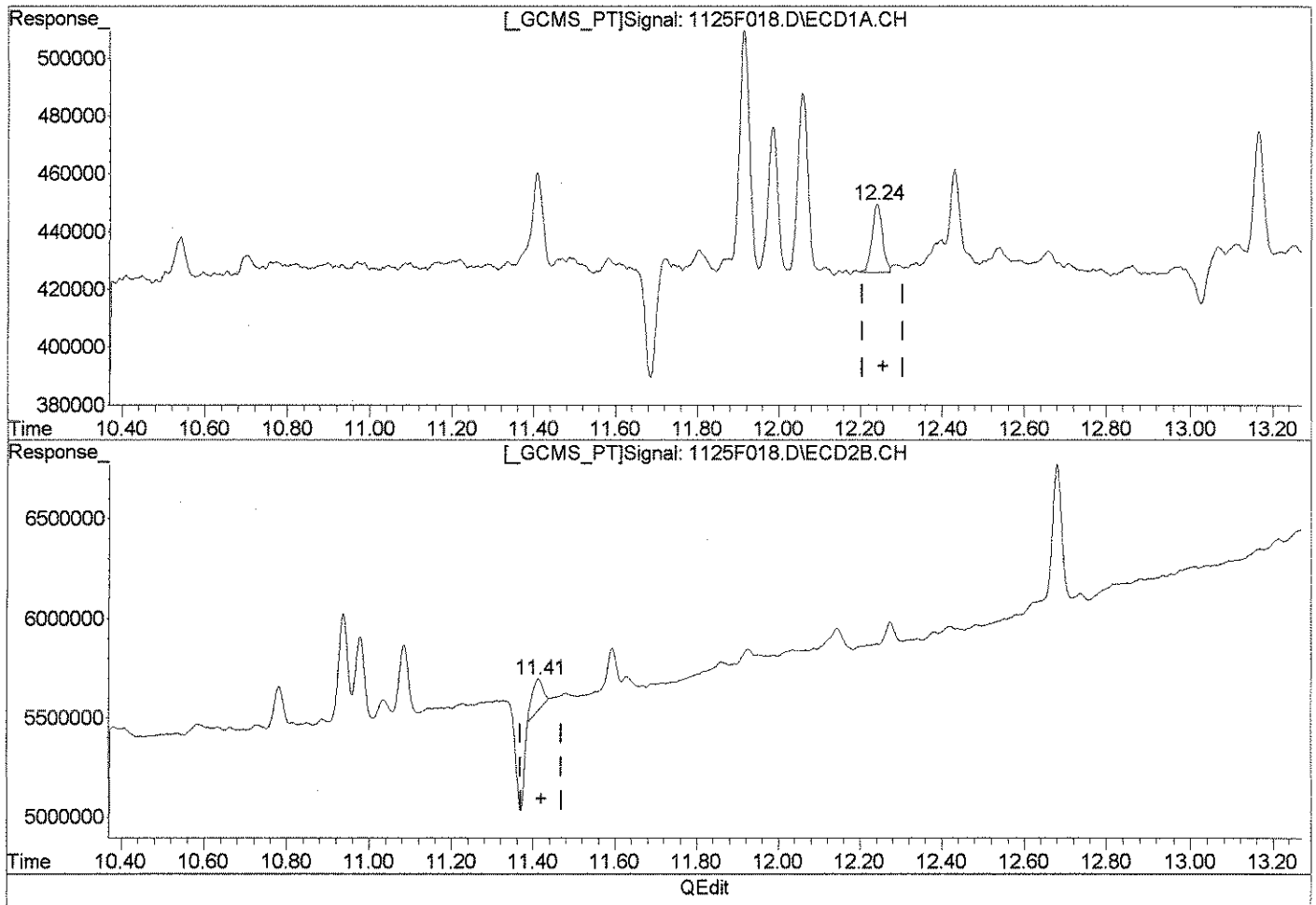
(+) = Expected Retention Time

1125F018.D IS-GC23-101410-8081.M Fri Nov 26 11:33:21 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F018.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\112510\1125F018.D\ECD2B.CH
Acq On : 25 Nov 2010 10:17 pm Operator: CCotnam
Sample : K1012914-010 | SL0010 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914010. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(16) 4,4'-DDE

12.24min 1.022ug/L

response 41762

(16) 4,4'-DDE #2

11.41min 1.045ug/L m

response 295021

Manual Integration:

After

Baseline/Shoulder

11/26/10

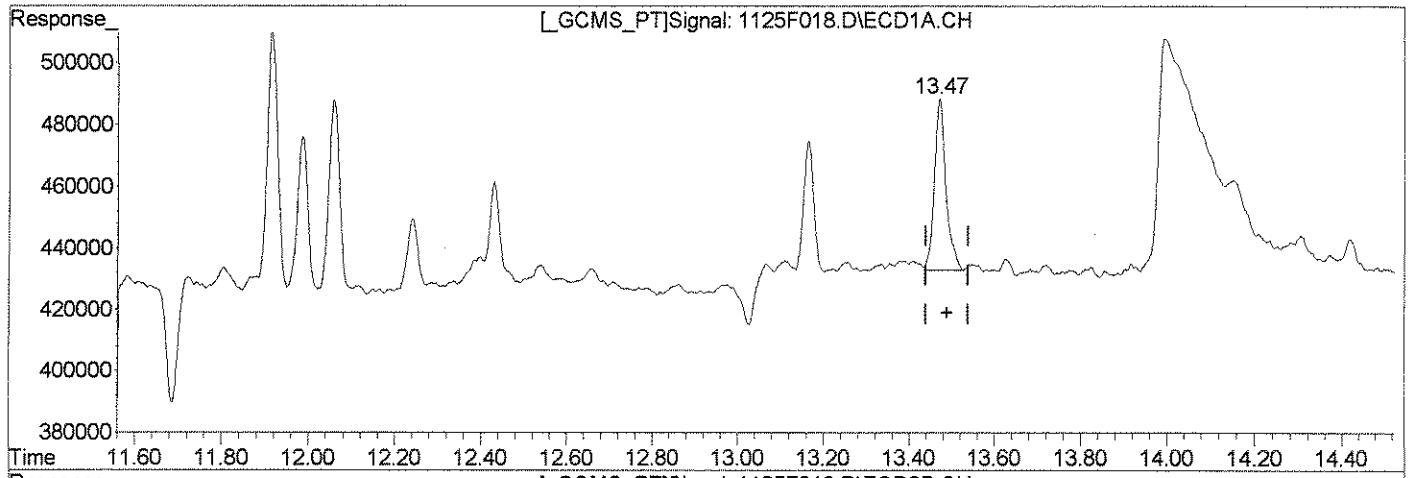
(+) = Expected Retention Time

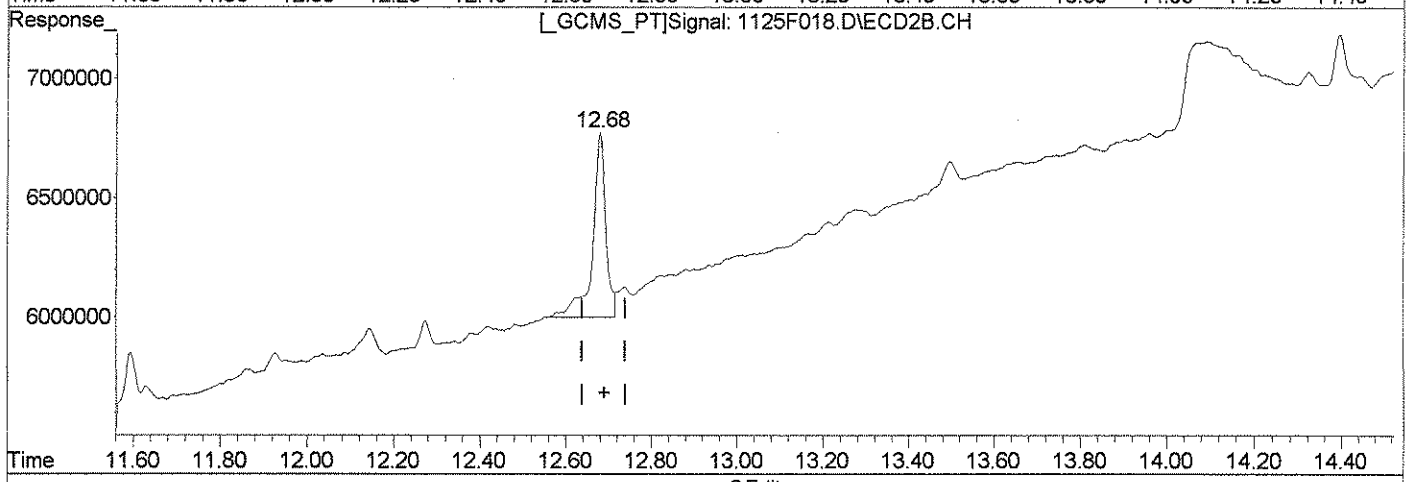
1125F018.D IS-GC23-101410-8081.M Fri Nov 26 11:33:32 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F018.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\112510\1125F018.D\ECD2B.CH
Acq On : 25 Nov 2010 10:17 pm Operator: CCotnam
Sample : K1012914-010 | SL0010 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914010. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(22) 4,4'-DDT

13.47min 2.832ug/L

response 105519

(22) 4,4'-DDT #2

12.68min 6.980ug/L

response 1665339

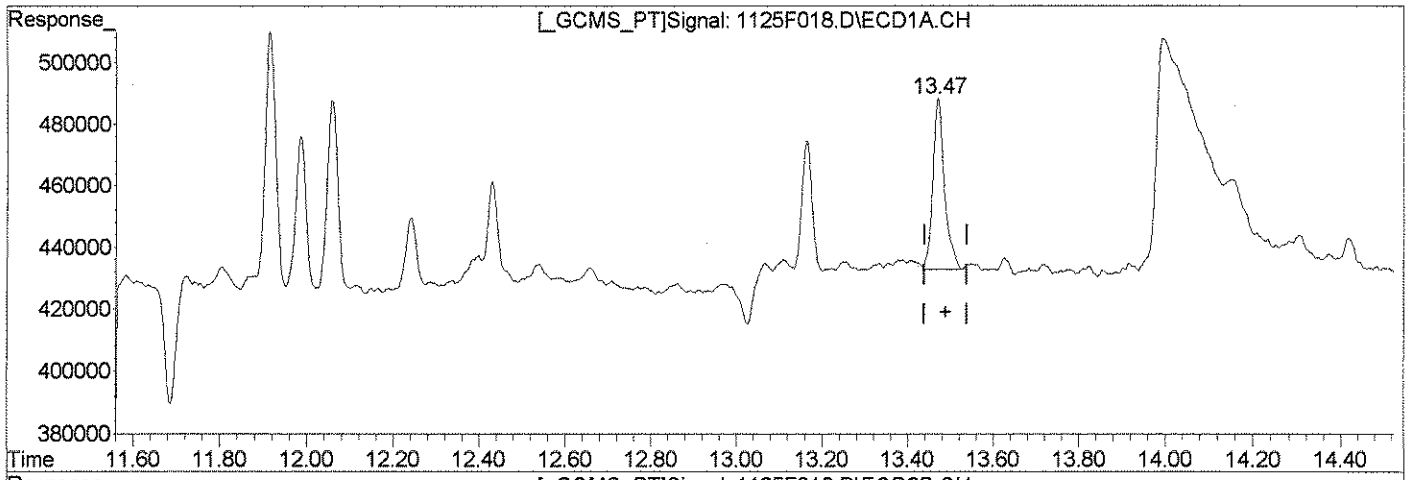
(+) = Expected Retention Time

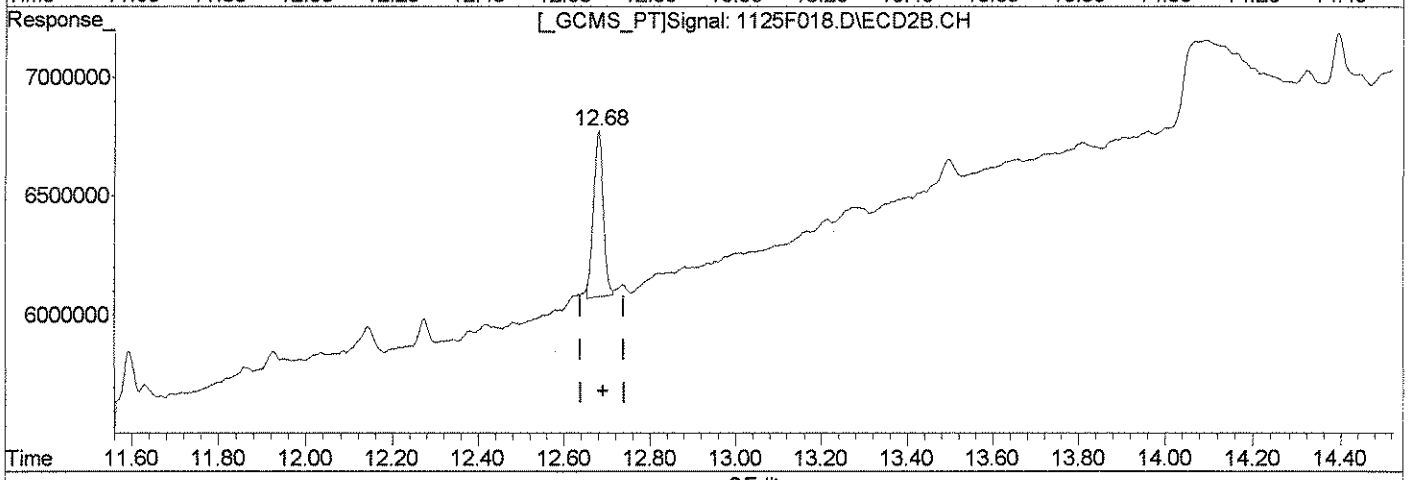
1125F018.D IS-GC23-101410-8081.M Fri Nov 26 11:33:45 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F018.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\112510\1125F018.D\ECD2B.CH
Acq On : 25 Nov 2010 10:17 pm Operator: CCotnam
Sample : K1012914-010 | SL0010 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914010. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(22) 4,4'-DDT
13.47min 2.832ug/L
response 105519

(22) 4,4'-DDT #2
12.68min 4.596ug/L m
response 1096650

Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F018.D IS-GC23-101410-8081.M Fri Nov 26 11:33:54 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	Ui	3.0	3.0	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	Ui	150	49	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	60	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	84	21-112	11/25/10	Acceptable
Decachlorobiphenyl	75	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F019.D	**Date Acquired:**	11/25/2010 22:43
Lab ID:	K1012914-016	**Date Quantitated:**	11/26/2010 11:36
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	NO
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	SA
	Endosulfan I	12.06	NA	NA	Conc U
	Chlordane {6}	12.06	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Exception Report

Data File:	J:\GC23\DATA\112510\1125F019.D\1125F019C.D	**Date Acquired:**	11/25/2010 22:43
Lab ID:	K1012914-016	**Date Quantitated:**	11/26/2010 11:36
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	4,4'-DDD	12.27	NA	NA	Cond
	Toxaphene {1}	12.27	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981916	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12116
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F019.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F019.D\1125F019c.d			**Vial:**	24
Acqu Date:	11/25/2010 22:43	**Quant Date:**	11/26/2010 11:36	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-016				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08 c	5.51	-0.06 c	1653532	11823161	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76	-0.07 c	5.51	-0.05 c	1653532	11823161	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76	-0.08 c	5.51	-0.06 c	1653532	11823161	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04		7.06		3015736	18906036	83.89	78.56			84OK
						%Recovery =		84OK	79OK	Limits =	21-112	
1	Decachlorobiphenyl	16.50	+0.01	15.59		3087446	20808762	106.17CCV	75.47			75OK
						%Recovery =		106OK	75OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC					0d	0	0.0000	0.0000	0.35U	0.35U	0.35U
1	beta-BHC					0	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC					0	0	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor					0	0d	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin	10.70	-0.02	9.72		35387	143014	0.7630	0.4750	0.45J	0.34U	0.34U
1	Heptachlor Epoxide					0	0d	0.0000	0.0000	0.39U	0.39U	0.39U
1	Endosulfan I	12.06	+0.02c	11.14	-0.02	35054	57123	0.8700	0.2080	1.7U	1.7U	1.7U
1	Dieldrin	12.43		11.59		4351m	84828m	0.0990	0.2880	0.48U	0.48U	0.48U
1	4,4'-DDE	12.24	+0.01	11.41		61872	360202m	1.54	1.32	1.6U	1.6U	1.6U
1	Endrin					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F019.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F019.D\1125F019c.d			**Vial:**	24
Acqu Date:	11/25/2010 22:43	**Quant Date:**	11/26/2010 11:36	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-016				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	Endosulfan II	13.16 -0.02	12.48 +0.02	298638	68379	7.55	0.2530	4.5	0.86U	0.86U
1	4,4'-DDD	13.02	12.27 c	21347m	153440m	0.6020	0.6540	1.0U	1.0U	1.0U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate			0	0d	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT	13.49 +0.02	12.68	103952	2157985m	2.83	9.32	1.7J	5.5	3.0Ui
	Toxaphene			0	0	81.95	88.51	49J	53J	**49J**
2	Toxaphene {1}		12.27 -0.03 c	0	189193	0.0000	44.53	37U	37U	
2	Toxaphene {2}	12.86 +0.03	12.37 -0.01	32196	157885	60.03	52.27	37U	37U	
2	Toxaphene {3}		12.58 +0.01	0d	153371	0.0000	96.88	37U	58J	
2	Toxaphene {4}		12.81	0	298063	0.0000	112.40	37U	67J	
2	Toxaphene {5}			0	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {6}	14.42 -0.01	13.50	80673	559399	103.86	136.47	62J	81J	
	Chlordane			0	0	10.16	9.26	22U	22U	22U
3	Chlordane {1}		8.95 -0.01	0	45620	0.0000	4.39	22U	22U	
3	Chlordane {2}		9.27 +0.02	0	118158	0.0000	8.66	22U	22U	
3	Chlordane {3}		10.94	0	345473	0.0000	11.95	22U	22U	
3	Chlordane {4}	11.91 -0.01	10.98	48910	155895	10.06	9.34	22U	22U	
3	Chlordane {5}	11.99	11.03 -0.01	26003	103080	6.83	12.28	22U	22U	
3	Chlordane {6}	12.06 c	11.08 -0.01	35054	215088	13.58	8.97	22U	22U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.34 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1
Solids:	82.6 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:40 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.76	5.51	1653532	11823161	50.000	50.000
26)		1-Bromo-2-nitrob	5.76	5.51	1653532	11823161	50.000	50.000
33)		1-Bromo-2-nitrob	5.76	5.51	1653532	11823161	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.04	7.06	3015736	18906036	83.894	78.557
25)	s	Decachlorobiphen	16.50f	15.59	3087446	20808762	106.172	75.467 #
		Target Compounds						
4)		Hexachlorobenzen	8.85	7.91	62750	491007	1.495	1.363
9)		Aldrin	10.70f	9.72	35387	143014	0.763	0.475 #
12)		gamma-Chlordane	11.91	10.94	48910	345473	1.121	1.152
13)		Endosulfan I	12.06	11.14f	35054	57123	0.870	0.208 #
14)		alpha-Chlordane	11.99	11.08	26003	96842	0.601	0.335m#
15)		Dieldrin	12.43	11.59	4351	84828	0.099m	0.288m#
16)		4,4'-DDE	12.24	11.41	61872	360202	1.537	1.316m
18)		Endosulfan II	13.16f	12.48	298638	68379	7.548	0.253 #
19)		4,4'-DDD	13.02	12.27	21347	153440	0.602m	0.654m
22)		4,4'-DDT	13.49	12.68	103952	2157985	2.833	9.324m#
23)		Endrin Ketone	14.42	13.96f	80673	151188	1.833	0.502 #
27)		Toxaphene	0.00	12.27f	0	189193	N.D.	44.527 #
28)		Toxaphene {2}	12.86	12.37	32196	157885	60.030	52.274
29)		Toxaphene {3}	0.00	12.58	0	153371	N.D. d	96.881
30)		Toxaphene {4}	0.00	12.81	0	298063	N.D.	112.403 #
32)		Toxaphene {6}	14.42	13.50	80673	559399	103.862	136.465 #
34)		Chlordane	0.00	8.95	0	45620	N.D.	4.385 #
35)		Chlordane {2}	0.00	9.27	0	118158	N.D.	8.664 #
36)		Chlordane {3}	0.00	10.94	0	345473	N.D.	11.954 #
37)		Chlordane {4}	11.91	10.98	48910	155895	10.056	9.336
38)		Chlordane {5}	11.99	11.03	26003	103080	6.828	12.276 #
39)		Chlordane {6}	12.06	11.08	35054	215088	13.582	8.966 #

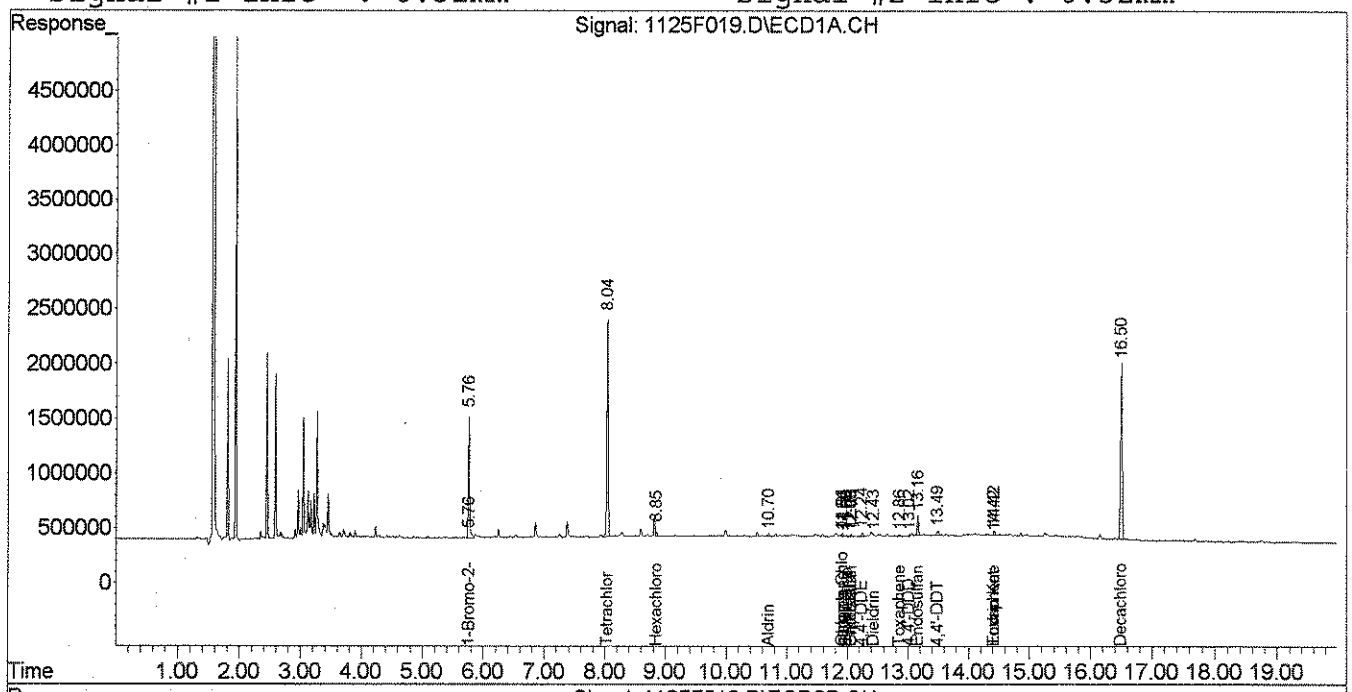
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

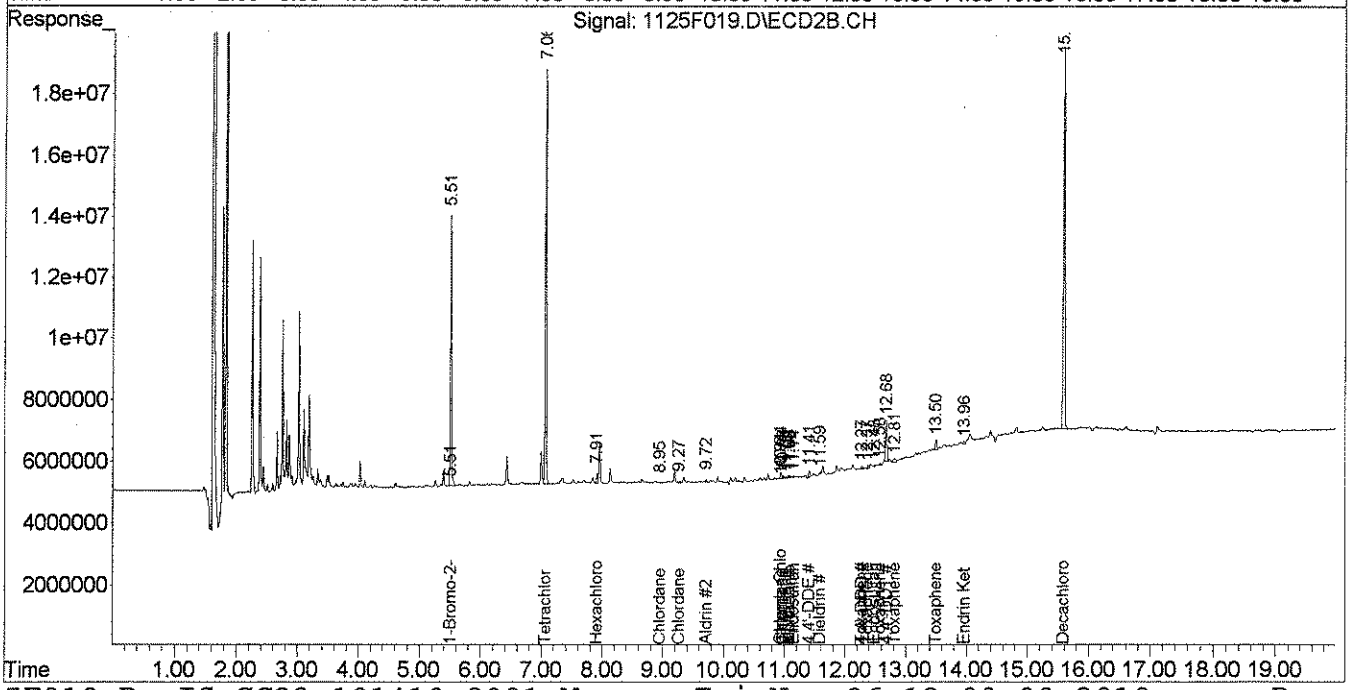
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:36 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

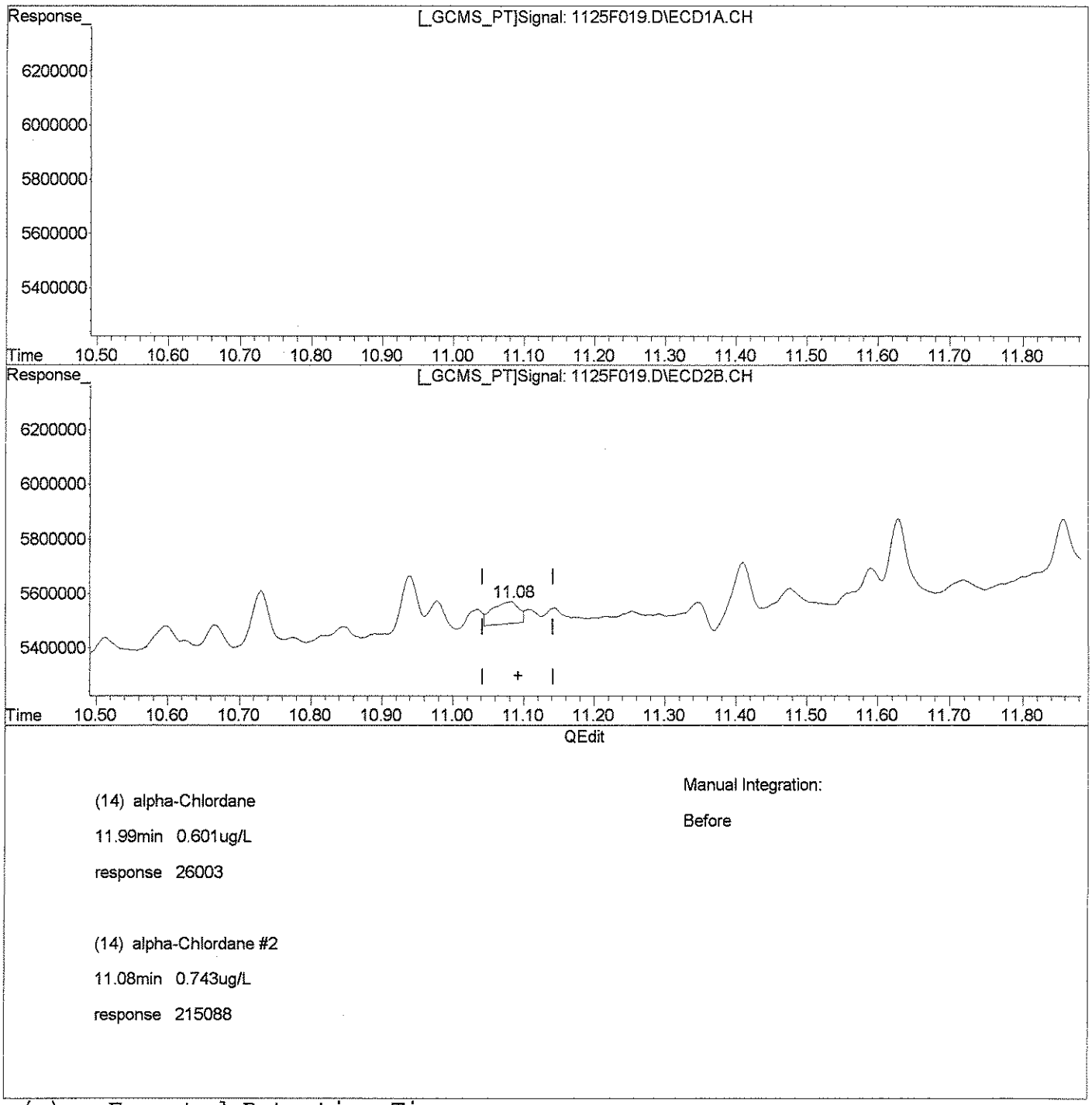




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration

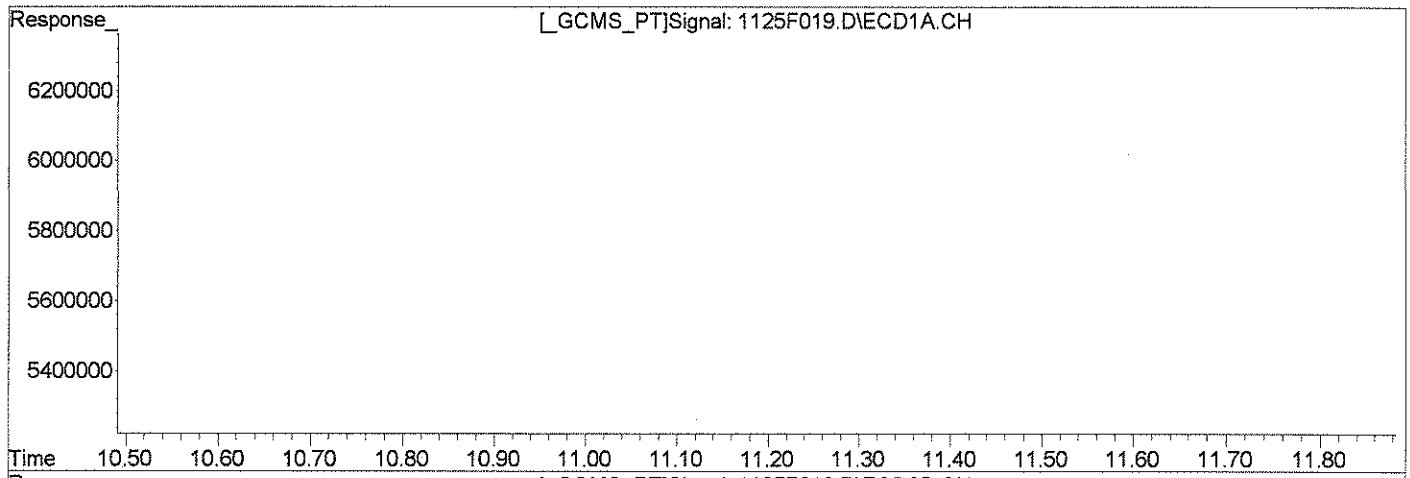


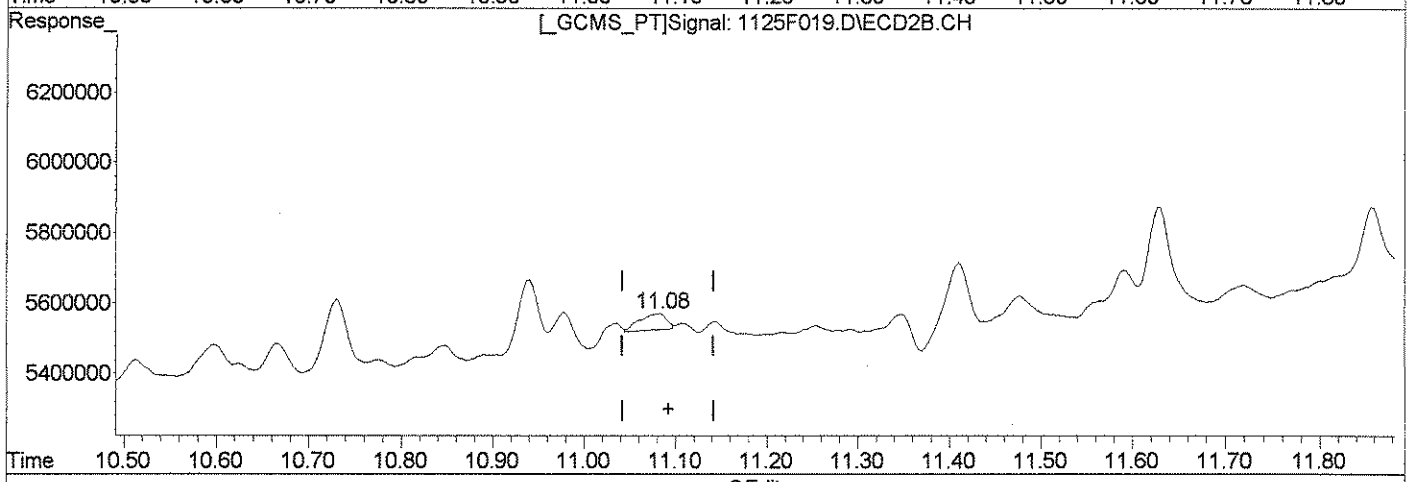
(+) = Expected Retention Time
1125F019.D IS-GC23-101410-8081.M Fri Nov 26 11:35:09 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(14) alpha-Chlordane
11.99min 0.601ug/L
response 26003

(14) alpha-Chlordane #2
11.08min 0.335ug/L m
response 96842

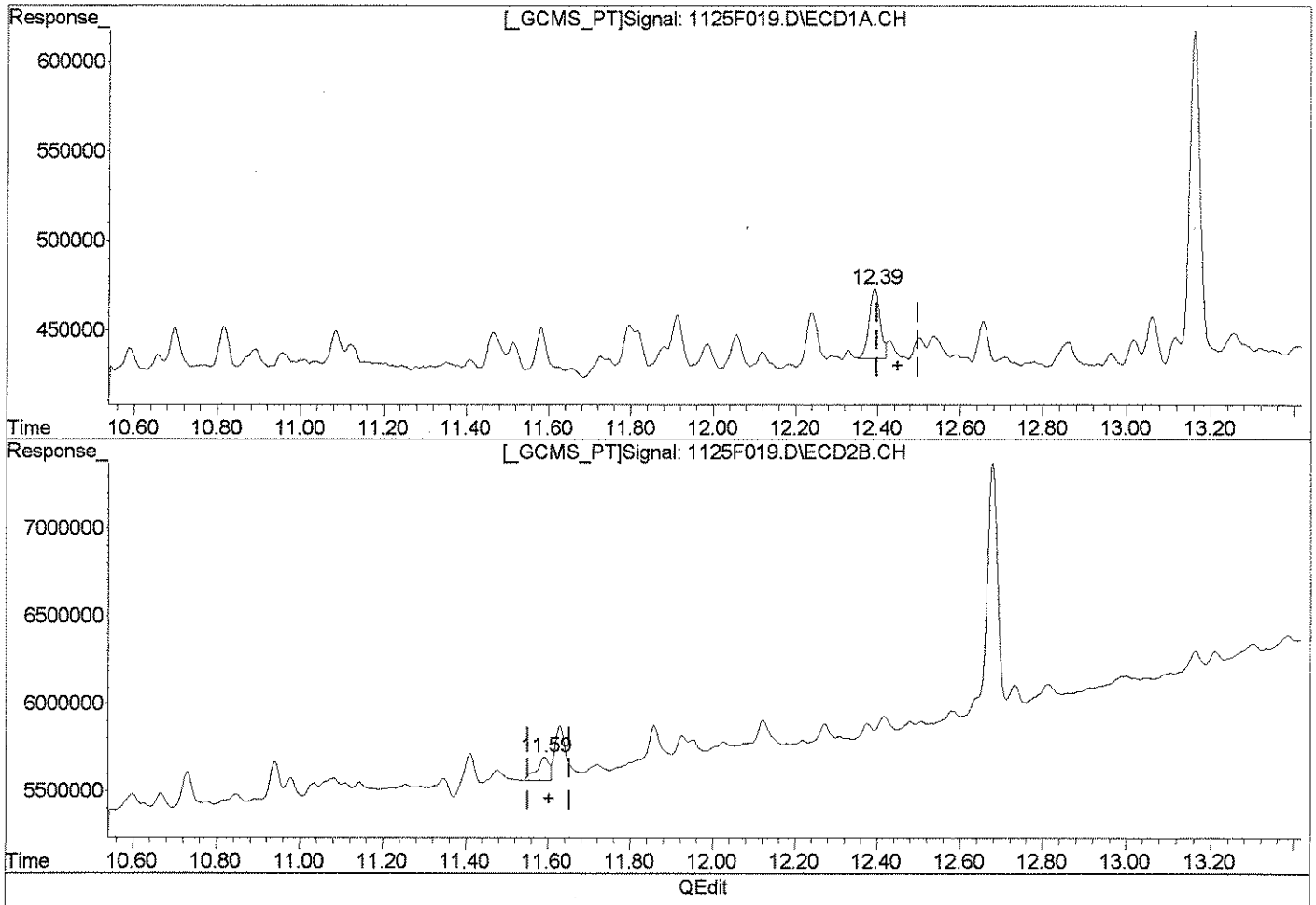
Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F019.D IS-GC23-101410-8081.M Fri Nov 26 11:35:16 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



QEdit

Manual Integration:

Before

(15) Dieldrin

12.39min 1.656ug/L

response 73108

(15) Dieldrin #2

11.59min 0.974ug/L

response 286812

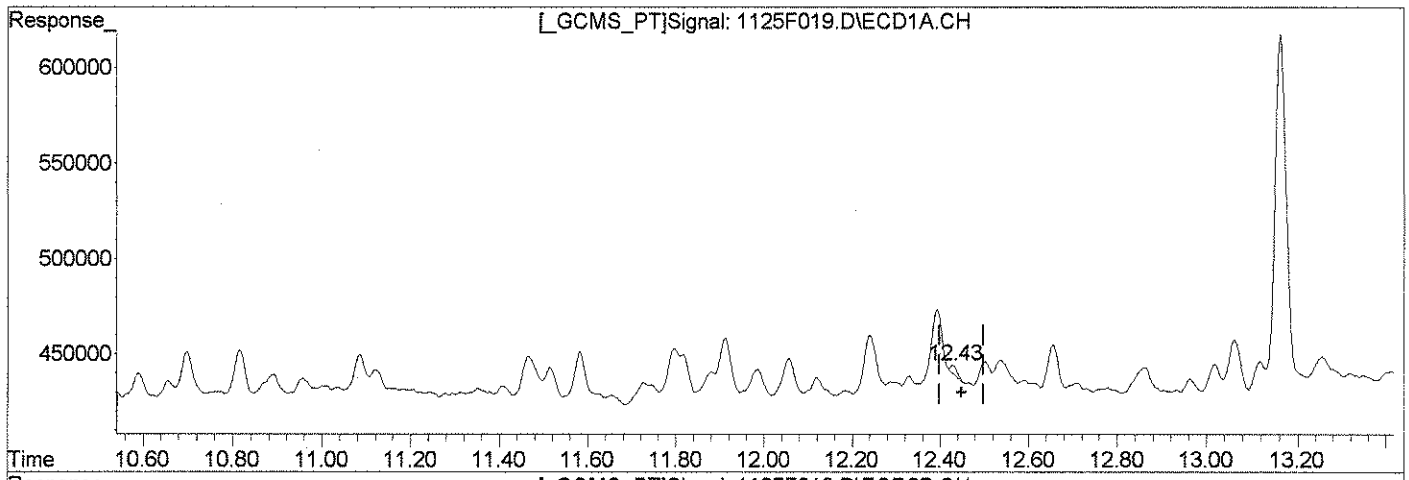
(+) = Expected Retention Time

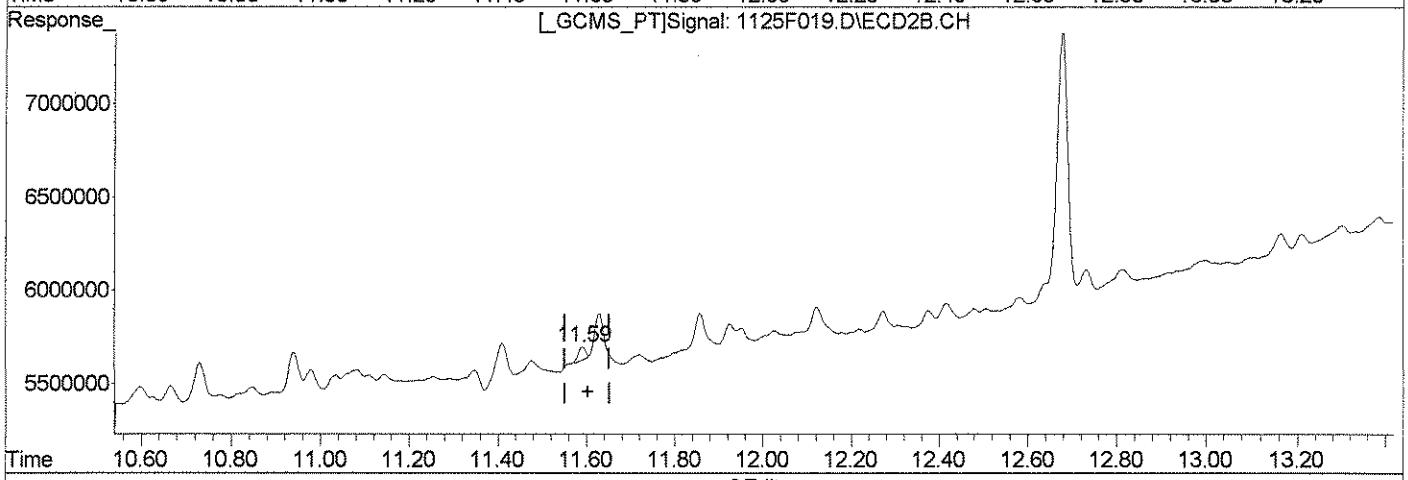
1125F019.D IS-GC23-101410-8081.M Fri Nov 26 11:35:20 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(15) Dieldrin

12.43min 0.099ug/L m

response 4351

(15) Dieldrin #2

11.59min 0.288ug/L m

response 84828

Manual Integration:

After

wrong peak/baseline

11/26/10

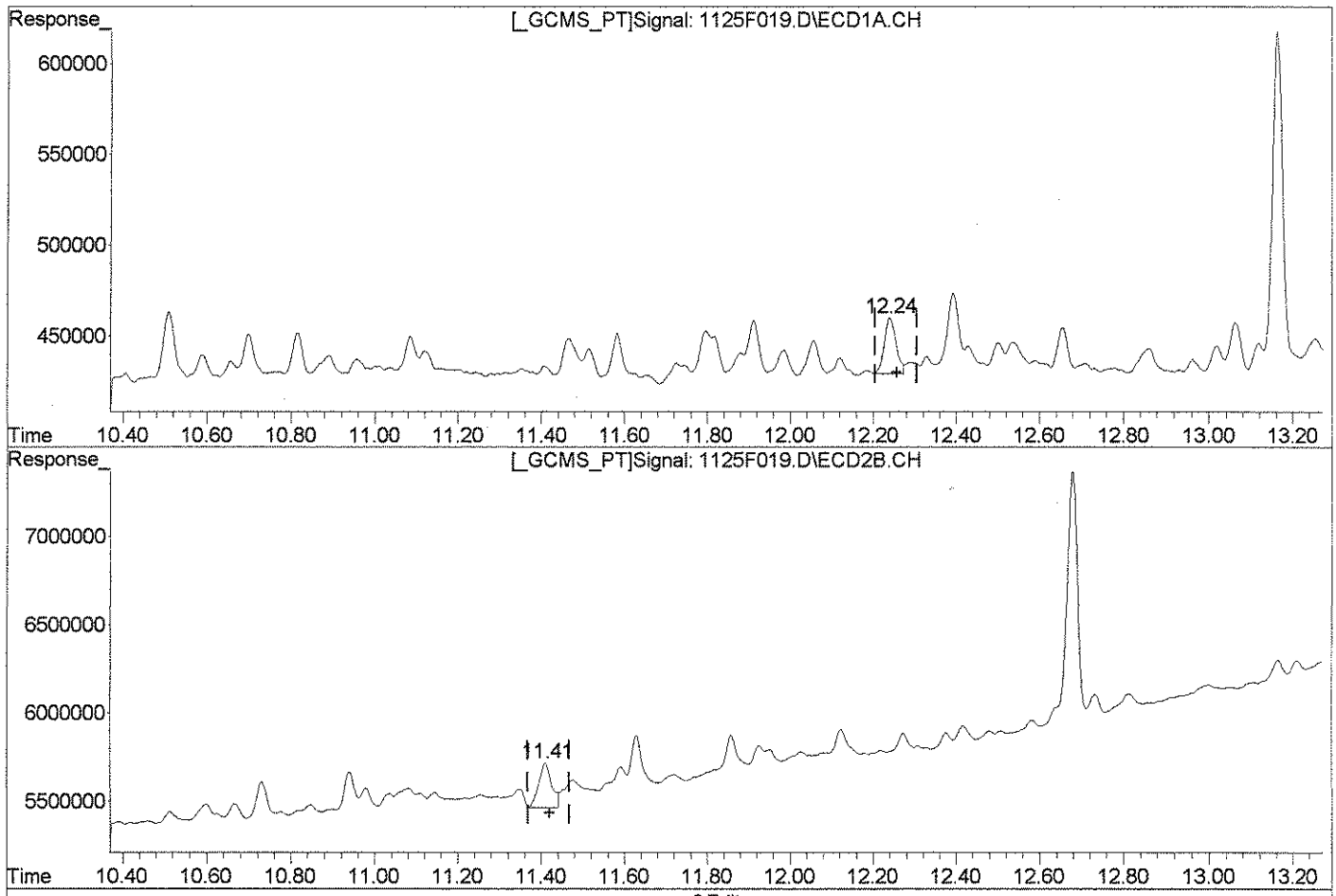
(+) = Expected Retention Time

1125F019.D IS-GC23-101410-8081.M Fri Nov 26 11:35:39 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(16) 4,4'-DDE

12.24min 1.537ug/L

response 61872

(16) 4,4'-DDE #2

11.41min 2.007ug/L

response 549267

Manual Integration:

Before

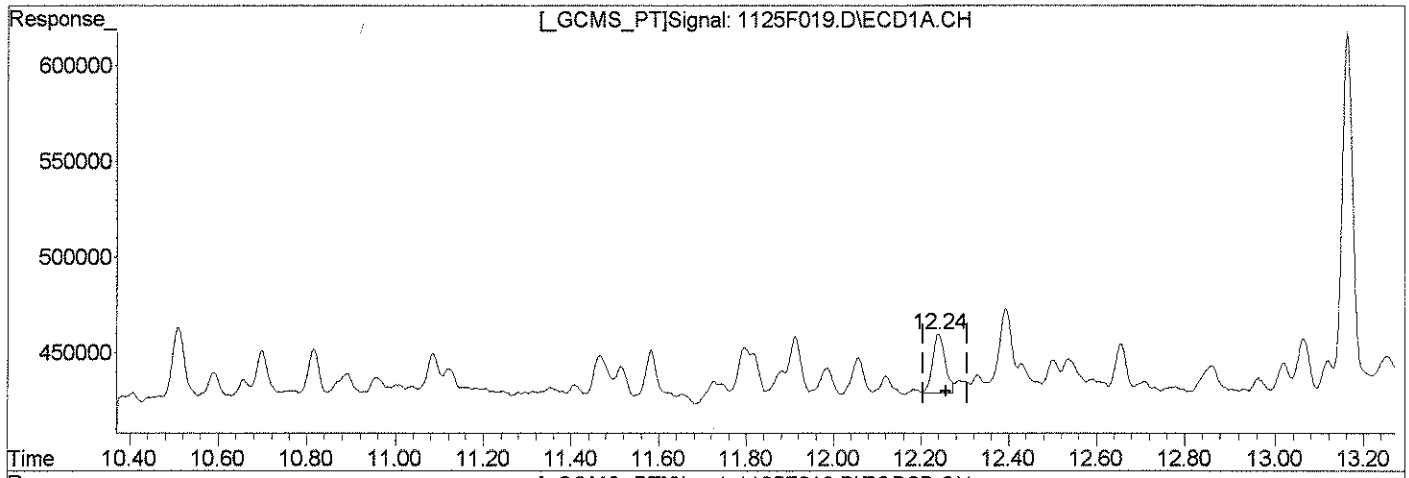
(+) = Expected Retention Time

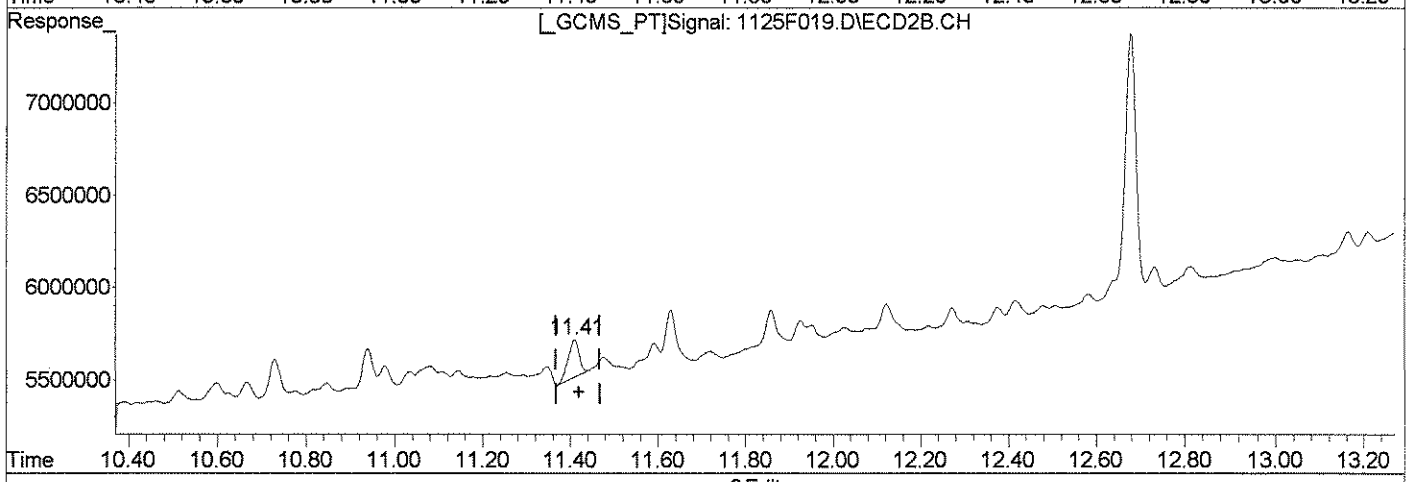
1125F019.D IS-GC23-101410-8081.M Fri Nov 26 11:35:44 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(16) 4,4'-DDE
12.24min 1.537ug/L
response 61872

(16) 4,4'-DDE #2
11.41min 1.316ug/L m
response 360202

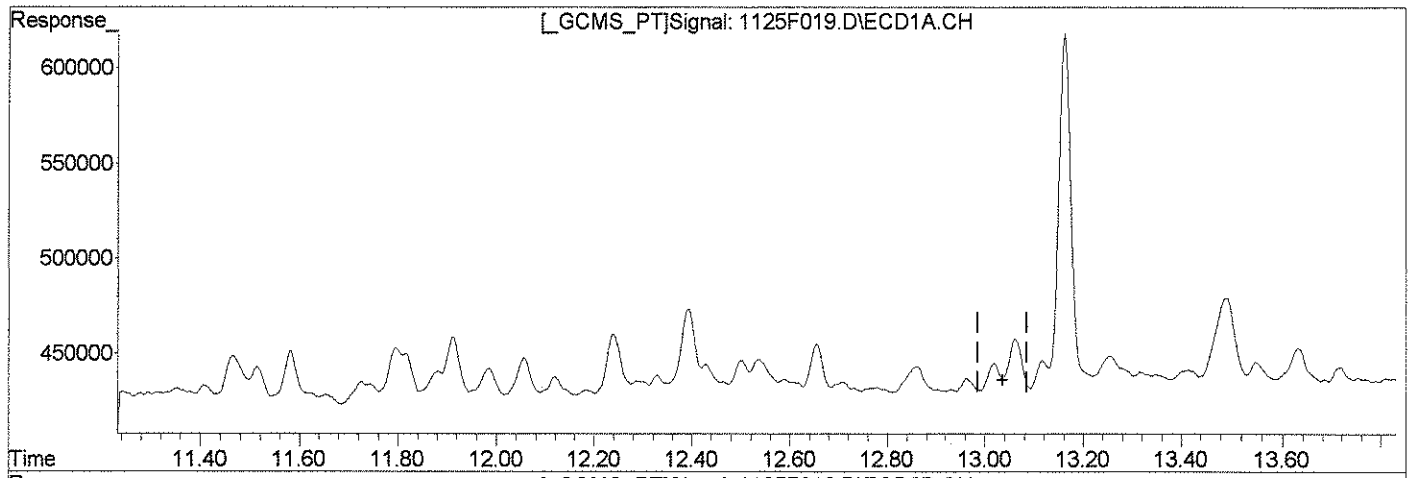
Manual Integration:
After
Baseline/Shoulder
11/26/10

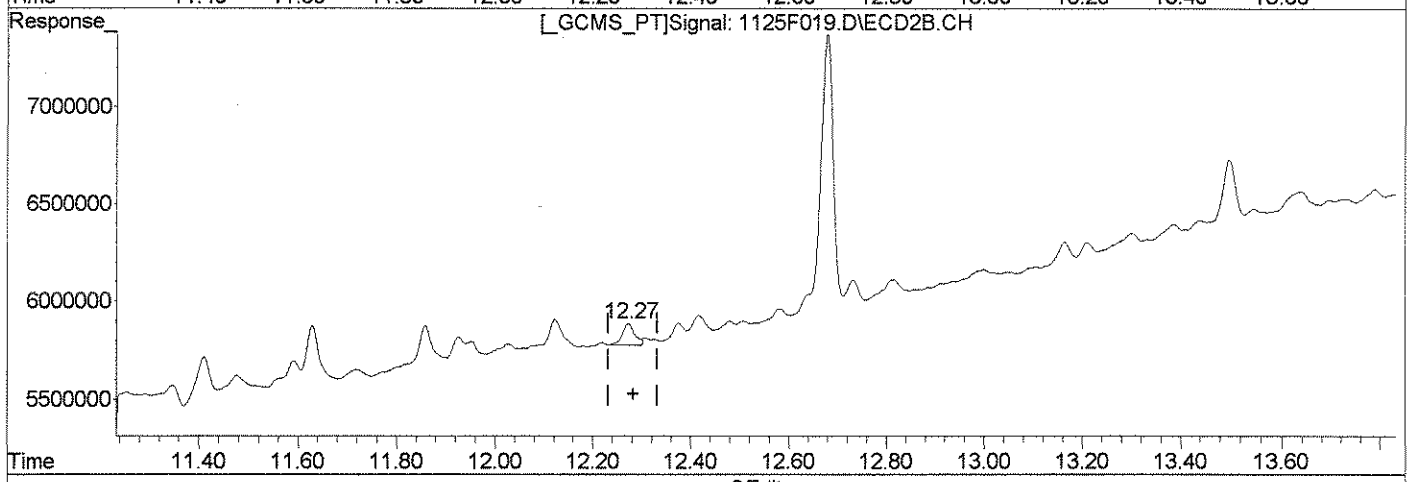
(+) = Expected Retention Time
1125F019.D IS-GC23-101410-8081.M Fri Nov 26 11:35:52 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(19) 4,4'-DDD

0.00min 0.000ug/L

response 0

(19) 4,4'-DDD #2

12.27min 0.807ug/L

response 189193

Manual Integration:

Before

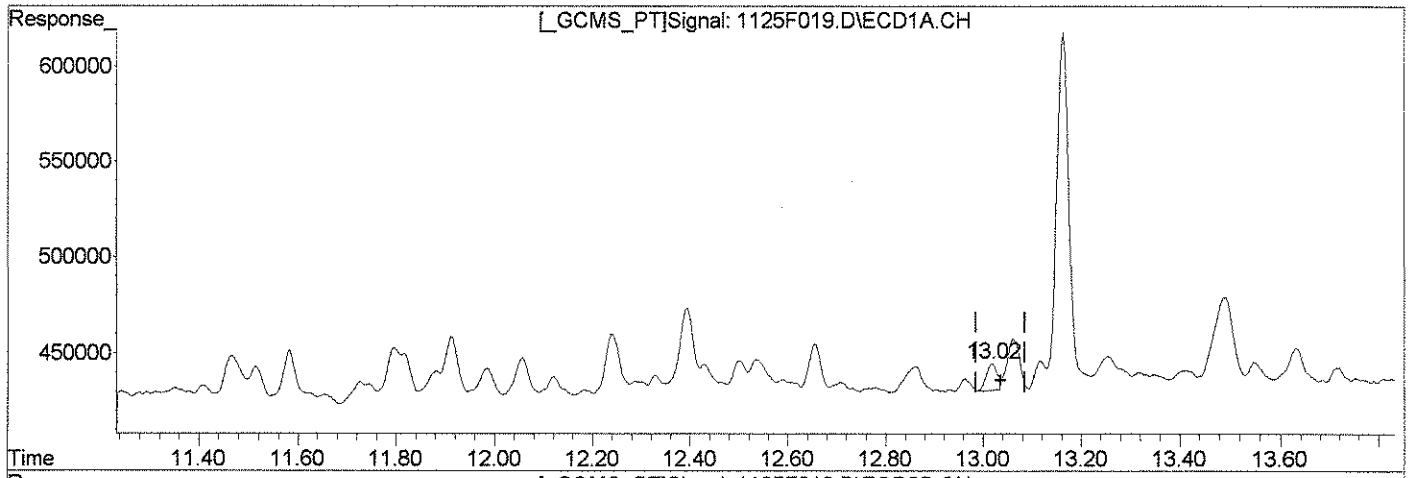
(+) = Expected Retention Time

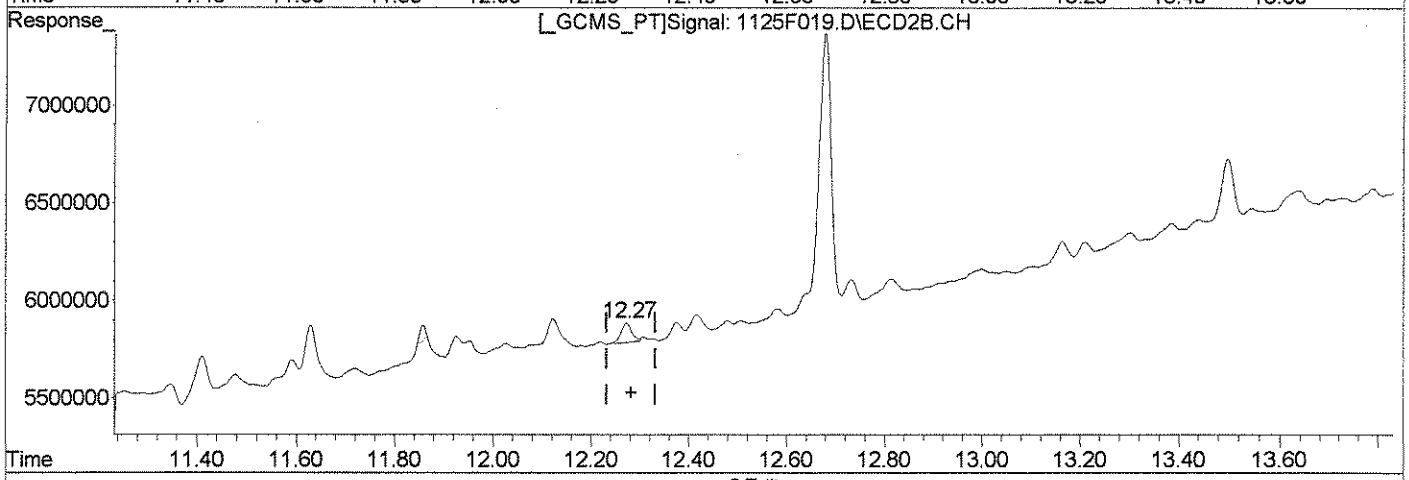
1125F019.D IS-GC23-101410-8081.M Fri Nov 26 11:36:00 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(19) 4,4'-DDD

13.02min 0.602ug/L m

response 21347

(19) 4,4'-DDD #2

12.27min 0.654ug/L m

response 153440

Manual Integration:

After

missed peak/baseline

11/26/10

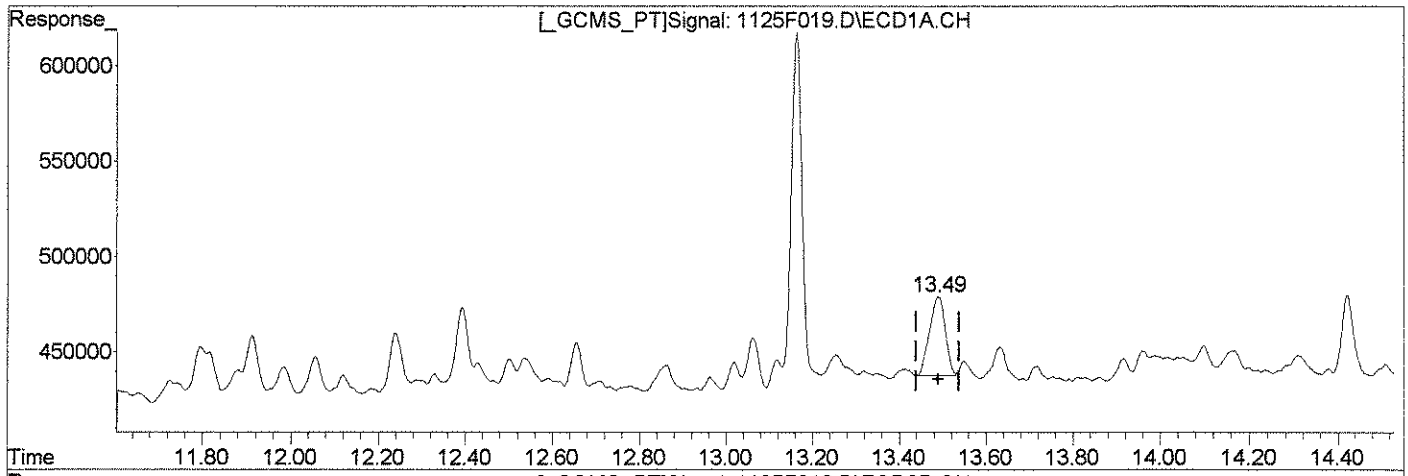
(+) = Expected Retention Time

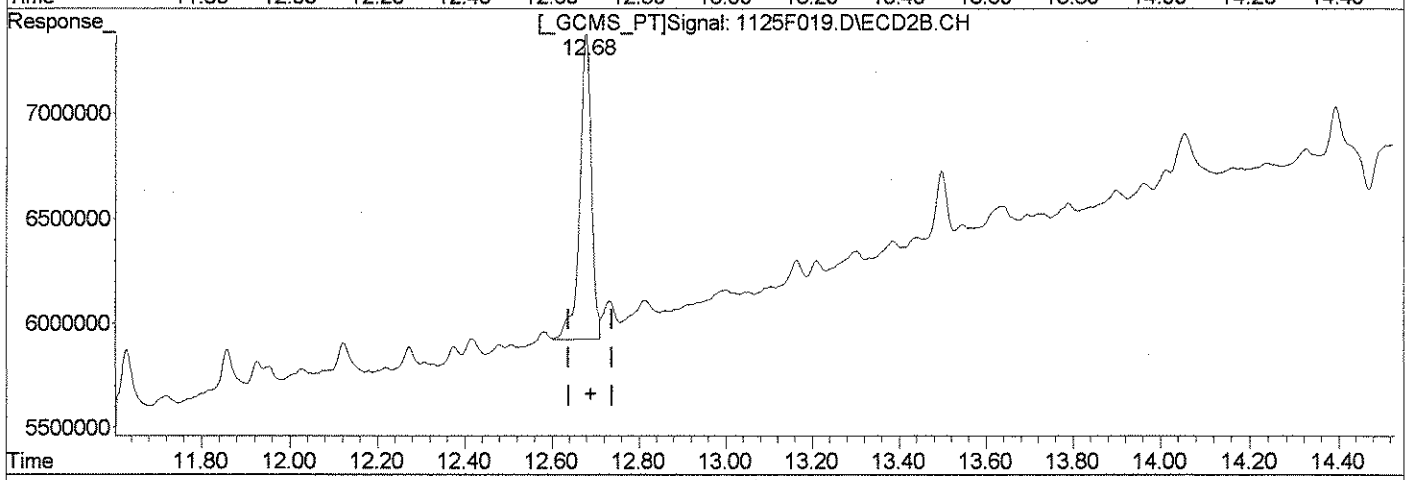
1125F019.D IS-GC23-101410-8081.M Fri Nov 26 11:36:19 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(22) 4,4'-DDT

13.49min 2.833ug/L

response 103952

(22) 4,4'-DDT #2

12.68min 11.703ug/L

response 2708384

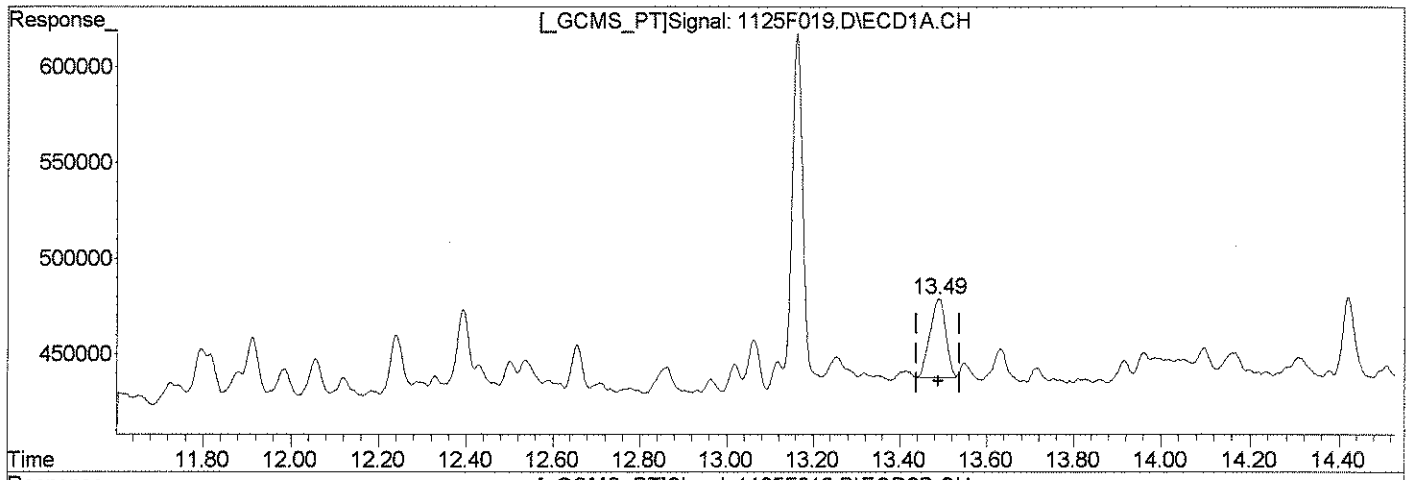
(+) = Expected Retention Time

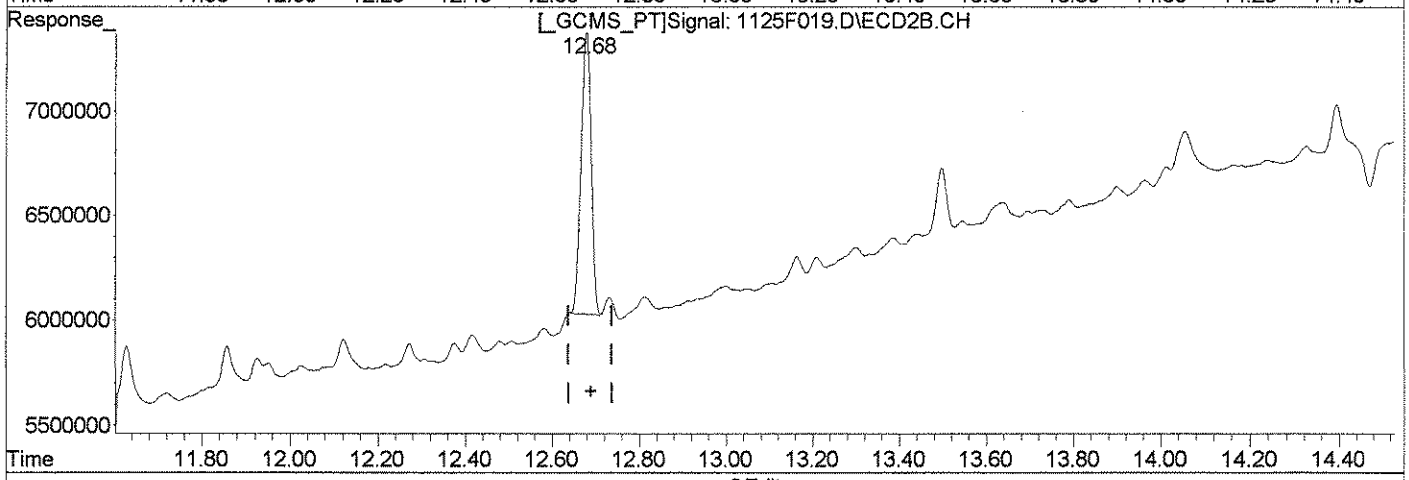
1125F019.D IS-GC23-101410-8081.M Fri Nov 26 11:36:29 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F019.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\112510\1125F019.D\ECD2B.CH
Acq On : 25 Nov 2010 10:43 pm Operator: CCotnam
Sample : K1012914-016 | SL0017 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914016. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(22) 4,4'-DDT
13.49min 2.833ug/L
response 103952

(22) 4,4'-DDT #2
12.68min 9.324ug/L m
response 2157985

Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F019.D IS-GC23-101410-8081.M Fri Nov 26 11:36:37 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.1	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.1	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.1	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.1	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.1	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.1	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.1	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.1	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.1	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.1	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.1	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.1	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.1	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.1	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.1	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**1.0**	JP	3.1	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	160	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	61	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	21-112	11/25/10	Acceptable
Decachlorobiphenyl	63	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F020.D	**Date Acquired:**	11/25/2010 23:10
Lab ID:	K1012914-017	**Date Quantitated:**	11/26/2010 11:39
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	RO
Analyte Co-elution	Aldrin	10.7	NA	NA	Cpd
	4,4'-DDT	13.49	NA	NA	
	1-Bromo-2-nitrobenzene	5.75	NA	NA	SX
	Endosulfan I	12.05	NA	NA	Cpd
	Toxaphene {3}	13.49	NA	NA	
	Chlordane {3}	10.7	NA	NA	
	Chlordane {6}	12.05	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.75	NA	NA	SX
	1-Bromo-2-nitrobenzene {3}	5.75	NA	NA	

Primary Review: 11/29/10

Secondary Review: 11/30/10

Exception Report

Data File:	J:\GC23\DATA\112510\1125F020.D\1125F020C.D	**Date Acquired:**	11/25/2010 23:10
Lab ID:	K1012914-017	**Date Quantitated:**	11/26/2010 11:39
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	4,4'-DDD	12.27	NA	NA	Comp
	Toxaphene {1}	12.27	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: 12/29/10

Secondary Review:

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981917	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12116
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F020.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F020.D\1125F020c.d			**Vial:**	25
Acqu Date:	11/25/2010 23:10	**Quant Date:**	11/26/2010 11:39	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-017				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.75	-0.09 c	5.51	-0.06 c	1715794	12374374	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.75	-0.08 c	5.51	-0.05 c	1715794	12374374	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.75	-0.09 c	5.51	-0.06 c	1715794	12374374	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.03	-0.01	7.06	2775239	17616280	74.40	69.94			74OK
					%Recovery =		74OK	70OK	Limits =	21-112	
1	Decachlorobiphenyl	16.49		15.59	2761461	18212024	91.52 CCV	63.11			63OK
					%Recovery =		92OK	63OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC					0d	0	0.0000	0.0000	0.35U	0.35U	0.35U
1	beta-BHC					0	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC					0	0	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor					0	0d	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin	10.70	-0.02 c	9.72		26791	55630	0.5570	0.1760	0.34U	0.34U	0.34U
1	Heptachlor Epoxide					0	0d	0.0000	0.0000	0.39U	0.39U	0.39U
1	Endosulfan I	12.05	+0.01 c	11.14	-0.02	38251	38433	0.9150	0.1330	1.7U	1.7U	1.7U
1	Dieldrin	12.43		11.59		6575m	133223m	0.1430	0.4320	0.48U	0.48U	0.48U
1	4,4'-DDE	12.24	+0.01	11.41		42867	215065	1.03	0.7510	1.6U	1.6U	1.6U
1	Endrin					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F020.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F020.D\1125F020c.d			**Vial:**	25
Acqu Date:	11/25/2010 23:10	**Quant Date:**	11/26/2010 11:39	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-017				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	Endosulfan II	13.16 -0.02	12.48 +0.02	65610	48831	1.60	0.1730	0.97J	0.86U	0.86U
1	4,4'-DDD	13.02	12.27 c	17955m	114325m	0.4880	0.4660	1.0U	1.0U	1.0U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate			0	0d	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT	13.49 +0.02 c	12.68	62526	654930m	1.64	2.70	1.0J	1.6J	**1.6**JP
	Toxaphene			0	0	113.57	60.62	69J	37U	37U
2	Toxaphene {1}		12.27 -0.03 c	0	141920	0.0000	31.91	37U	37U	
2	Toxaphene {2}		12.37 -0.01	0	135245	0.0000	42.78	37U	37U	
2	Toxaphene {3}	13.49 -0.01 c	12.58 +0.01	62526	78074	146.94	47.12	89J	37U	
2	Toxaphene {4}		12.81	0	232656	0.0000	83.83	37U	51J	
2	Toxaphene {5}			0	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {6}	14.42 -0.01	13.50	64639	418143	80.20	97.46	49J	59J	
	Chlordane			0	0	11.79	8.39	22U	22U	22U
3	Chlordane {1}		8.96	0	51974	0.0000	4.77	22U	22U	
3	Chlordane {2}		9.27 +0.02	0	71934	0.0000	5.04	22U	22U	
3	Chlordane {3}	10.70 -0.07 c	10.94	26791	366704	17.19	12.12	22U	22U	
3	Chlordane {4}	11.91 -0.01	10.97 -0.01	47284	177033	9.37	10.13	22U	22U	
3	Chlordane {5}	11.98 -0.01	11.03 -0.01	25058	112686	6.34	12.82	22U	22U	
3	Chlordane {6}	12.05 -0.01 c	11.08 -0.01	38251	137462	14.28	5.48	22U	22U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.07 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1
Solids:	82.0 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F020.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\112510\1125F020.D\ECD2B.CH
Acq On : 25 Nov 2010 11:10 pm Operator: CCotnam
Sample : K1012914-017 | SL0018 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914017. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:41 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.75	5.51	1715794	12374374	50.000	50.000
26)		1-Bromo-2-nitrob	5.75	5.51	1715794	12374374	50.000	50.000
33)		1-Bromo-2-nitrob	5.75	5.51	1715794	12374374	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.03	7.06	2775239	17616280	74.402	69.937
25)	s	Decachlorobiphen	16.49f	15.59	2761461	18212024	91.516	63.108 #
		Target Compounds						
4)		Hexachlorobenzen	8.85	7.91	44504	369777	1.022	0.980
9)		Aldrin	10.70f	9.72	26791	55630	0.557	0.176 #
12)		gamma-Chlordane	11.91	10.94	47284	280403	1.045	0.894m
13)		Endosulfan I	12.05	11.14f	38251	38433	0.915	0.133 #
14)		alpha-Chlordane	11.98	11.08	25058	137462	0.558	0.454
15)		Dieldrin	12.43	11.59	6575	133223	0.143m	0.432m#
16)		4,4'-DDE	12.24	11.41	42867	215065	1.026	0.751 #
18)		Endosulfan II	13.16f	12.48	65610	48831	1.598	0.173 #
19)		4,4'-DDD	13.02	12.27	17955	114325	0.488m	0.466m
22)		4,4'-DDT	13.49	12.68	62526	654930	1.642	2.704m#
27)		Toxaphene	0.00	12.27f	0	141920	N.D.	31.913 #
28)		Toxaphene {2}	0.00	12.37	0	135245	N.D.	42.784 #
29)		Toxaphene {3}	13.49	12.58	62526	78074	146.938	47.121 #
30)		Toxaphene {4}	0.00	12.81	0	232656	N.D.	83.829 #
32)		Toxaphene {6}	14.42	13.50	64639	418143	80.199	97.462
34)		Chlordane	0.00	8.96	0	51974	N.D.	4.774 #
35)		Chlordane {2}	0.00	9.27	0	71934	N.D.	5.040 #
36)		Chlordane {3}	10.70f	10.94	26791	366704	17.186	12.123 #
37)		Chlordane {4}	11.91	10.97	47284	177033	9.369	10.130
38)		Chlordane {5}	11.98	11.03	25058	112686	6.341	12.823 #
39)		Chlordane {6}	12.05	11.08	38251	137462	14.283	5.475 #

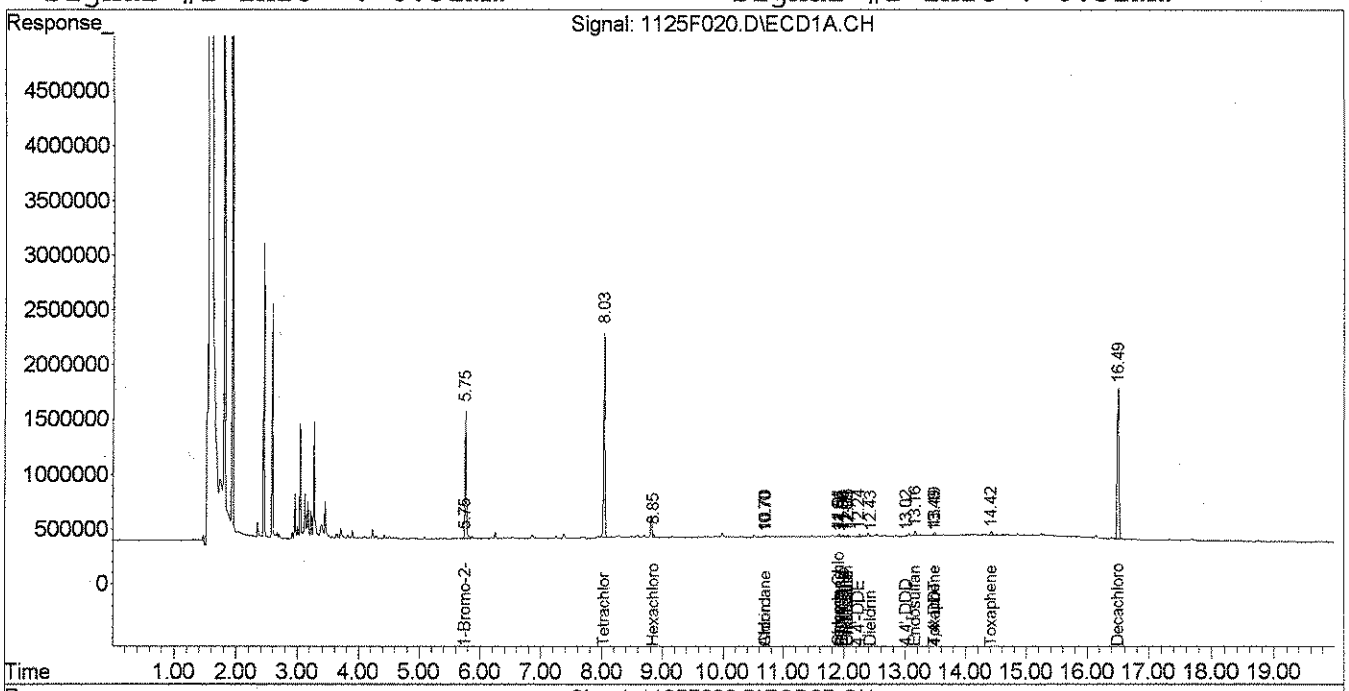
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

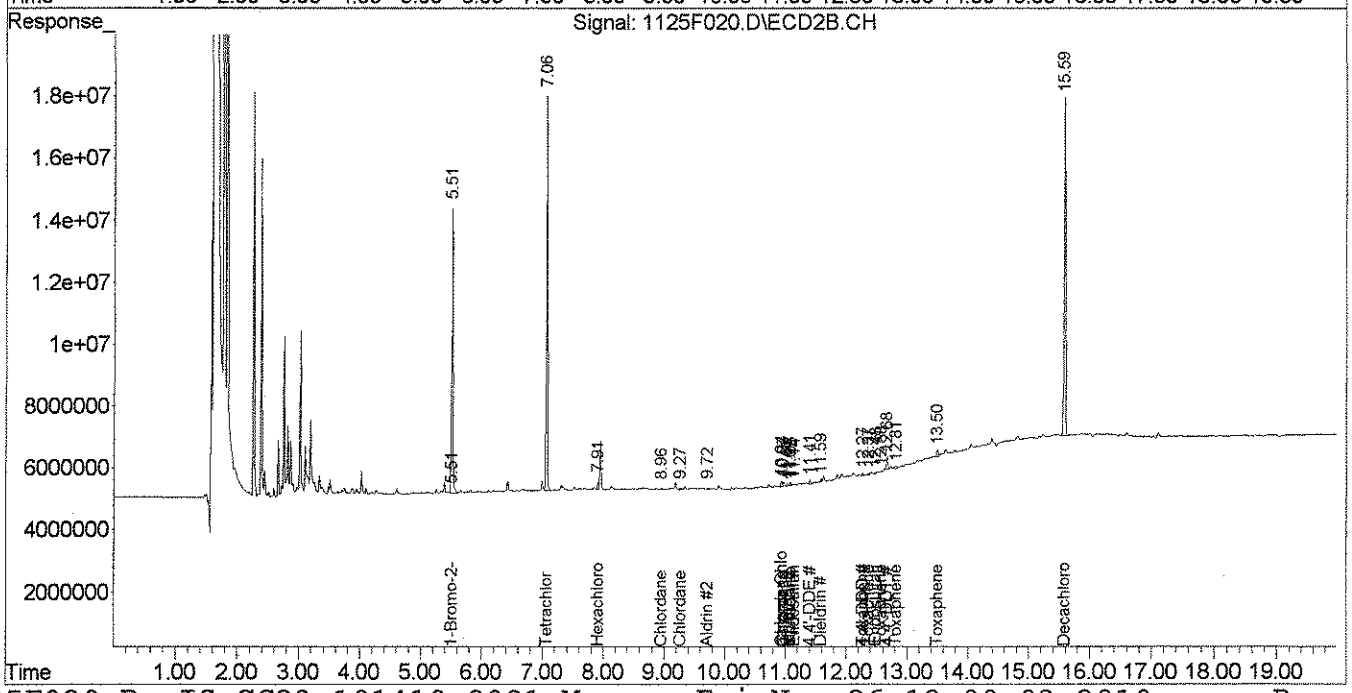
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F020.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\112510\1125F020.D\ECD2B.CH
Acq On : 25 Nov 2010 11:10 pm Operator: CCotnam
Sample : K1012914-017 | SL0018 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914017. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:39 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

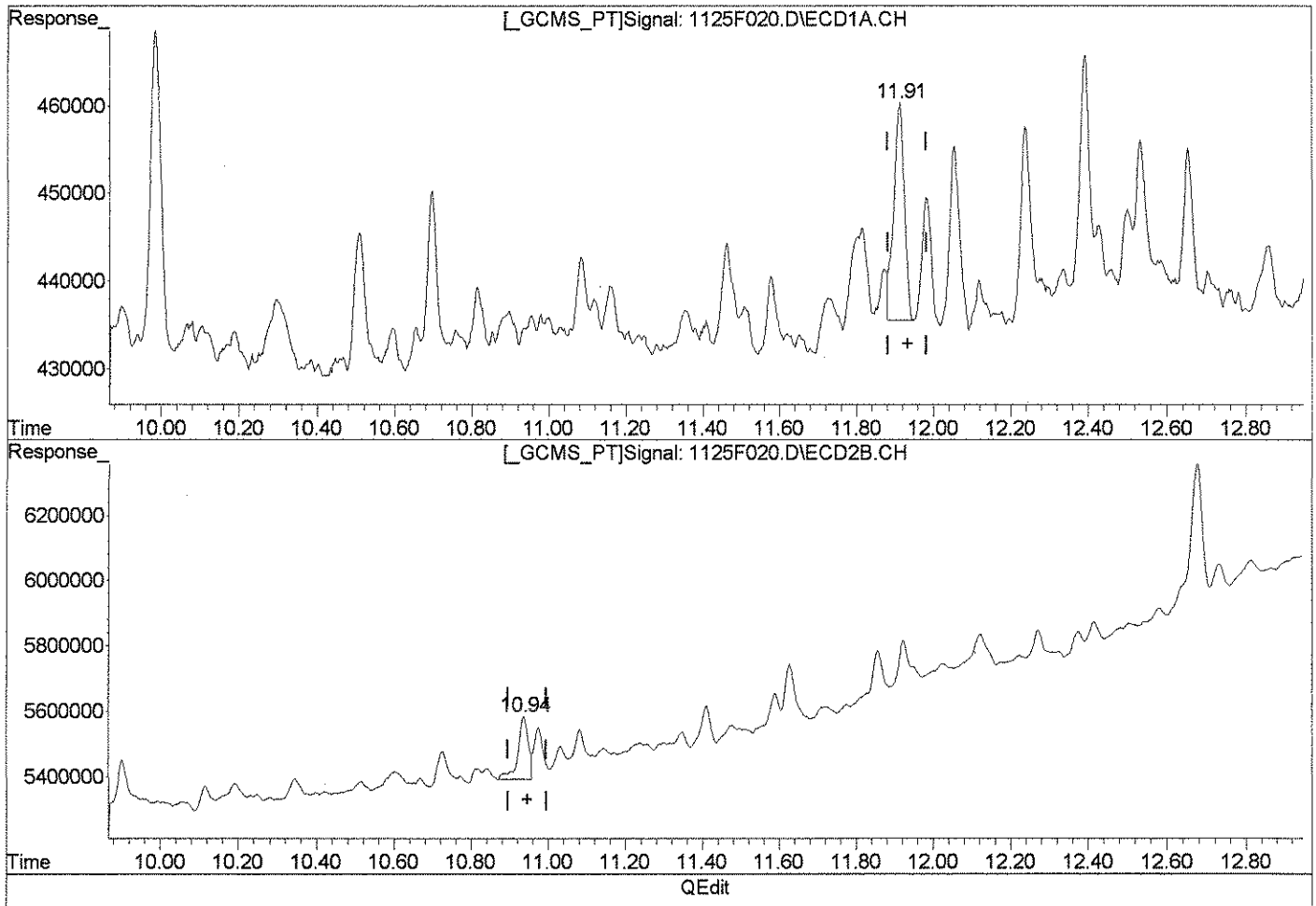




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F020.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\112510\1125F020.D\ECD2B.CH
Acq On : 25 Nov 2010 11:10 pm Operator: CCotnam
Sample : K1012914-017 | SL0018 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914017. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(12) gamma-Chlordane

11.91min 1.045ug/L

response 47284

(12) gamma-Chlordane #2

10.94min 1.169ug/L

response 366704

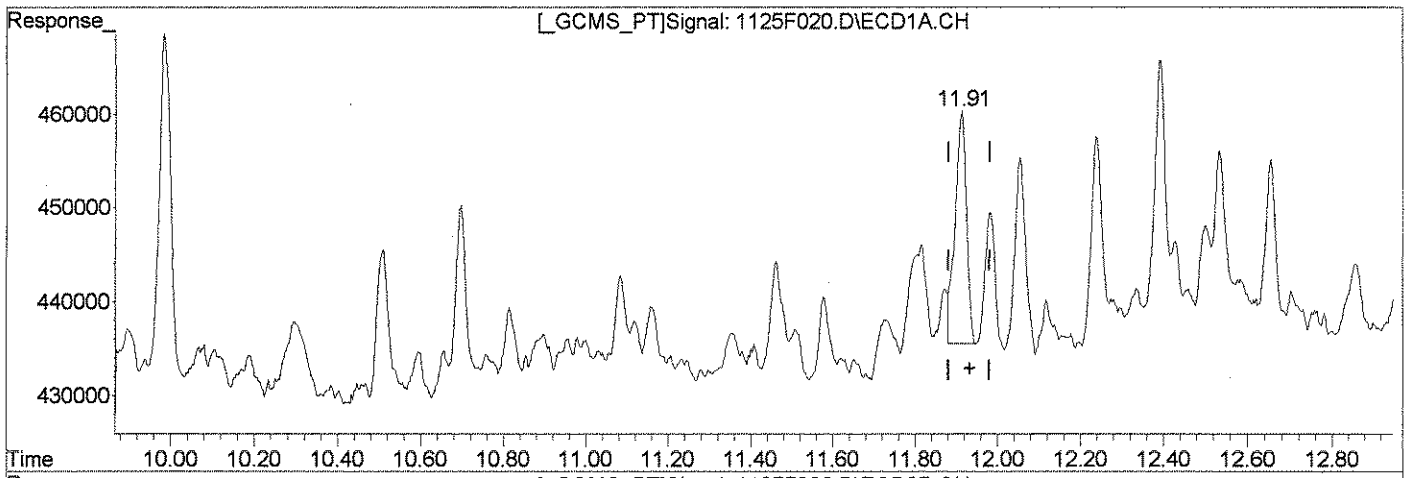
(+) = Expected Retention Time

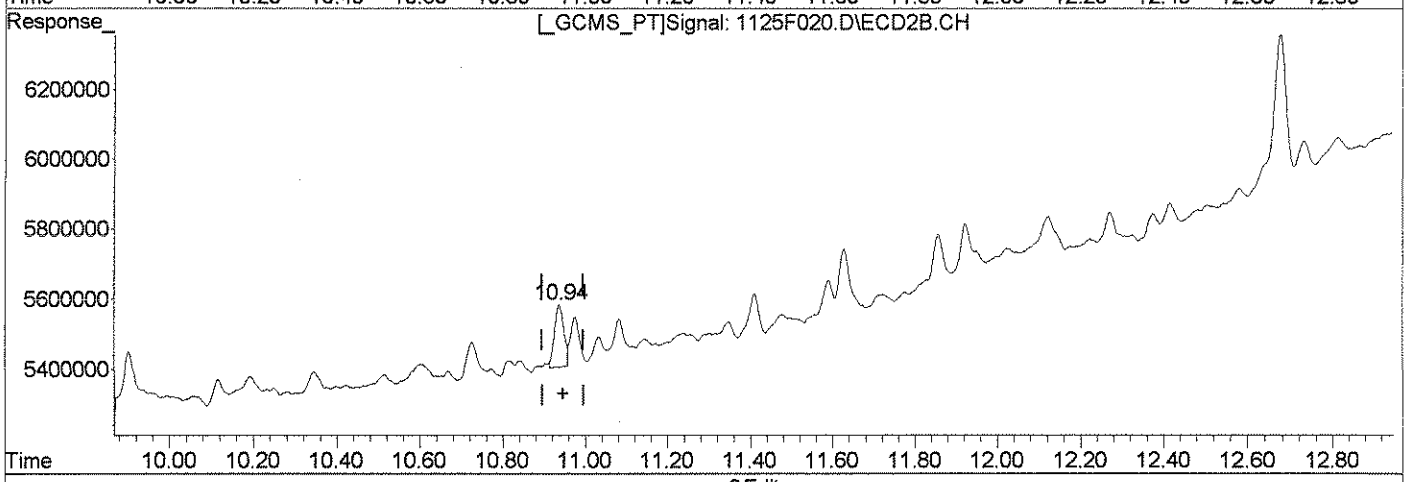
1125F020.D IS-GC23-101410-8081.M Fri Nov 26 11:37:39 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F020.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\112510\1125F020.D\ECD2B.CH
Acq On : 25 Nov 2010 11:10 pm Operator: CCotnam
Sample : K1012914-017 | SL0018 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914017. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(12) gamma-Chlordane
11.91min 1.045ug/L
response 47284

(12) gamma-Chlordane #2
10.94min 0.894ug/L m
response 280403

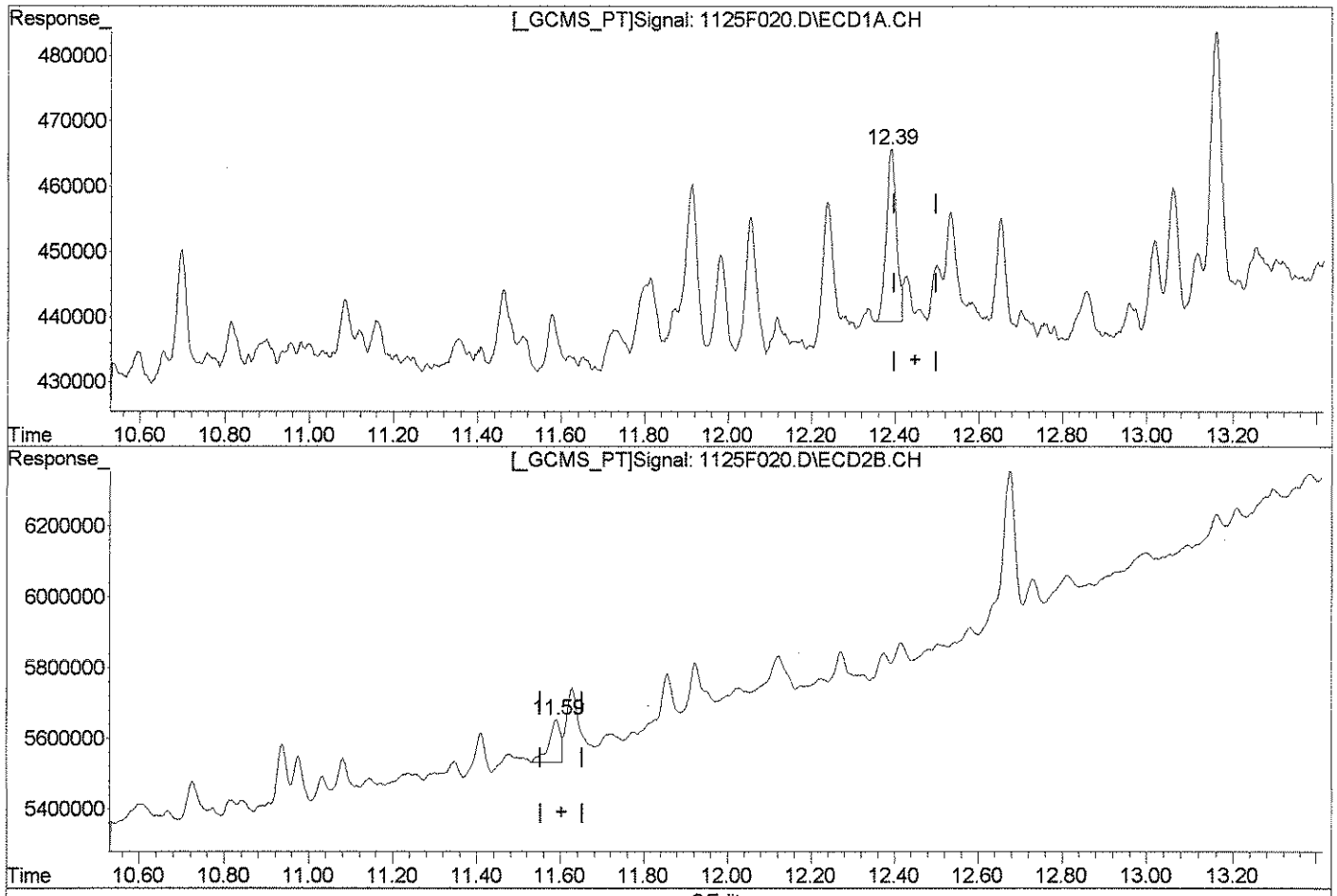
Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F020.D IS-GC23-101410-8081.M Fri Nov 26 11:37:46 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F020.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\112510\1125F020.D\ECD2B.CH
Acq On : 25 Nov 2010 11:10 pm Operator: CCotnam
Sample : K1012914-017 | SL0018 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914017. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



QEdit

Manual Integration:

Before

(15) Dieldrin

12.39min 0.991ug/L

response 45405

(15) Dieldrin #2

11.59min 0.775ug/L

response 238655

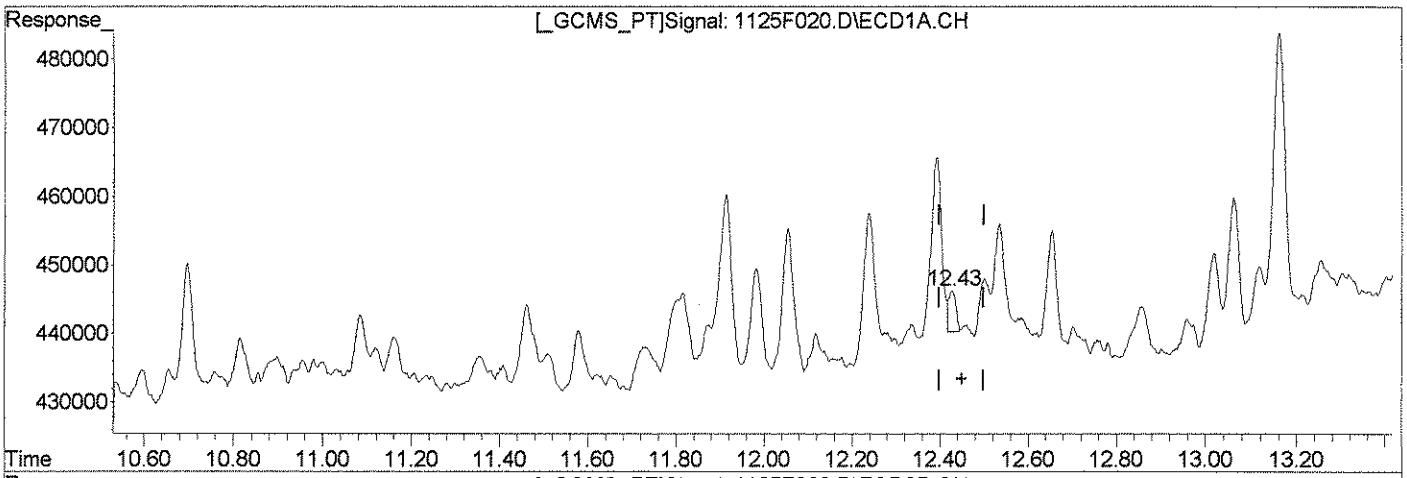
(+) = Expected Retention Time

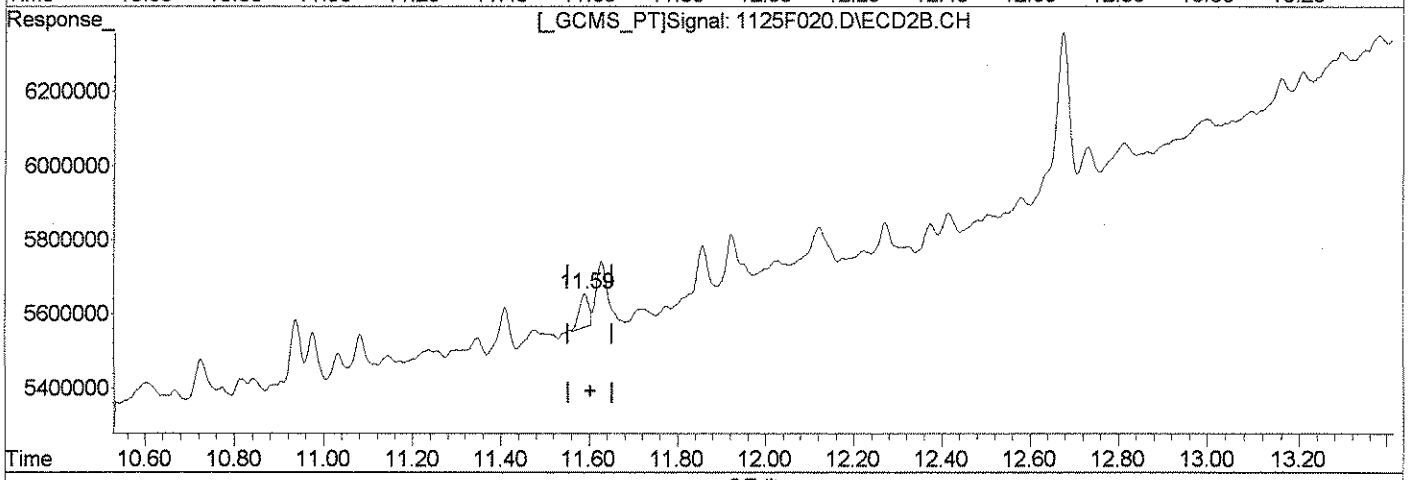
1125F020.D IS-GC23-101410-8081.M Fri Nov 26 11:37:53 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F020.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\112510\1125F020.D\ECD2B.CH
Acq On : 25 Nov 2010 11:10 pm Operator: CCotnam
Sample : K1012914-017 | SL0018 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914017. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(15) Dieldrin

12.43min 0.143ug/L m

response 6575

(15) Dieldrin #2

11.59min 0.432ug/L m

response 133223

Manual Integration:

After

wrong peak/baseline

11/26/10

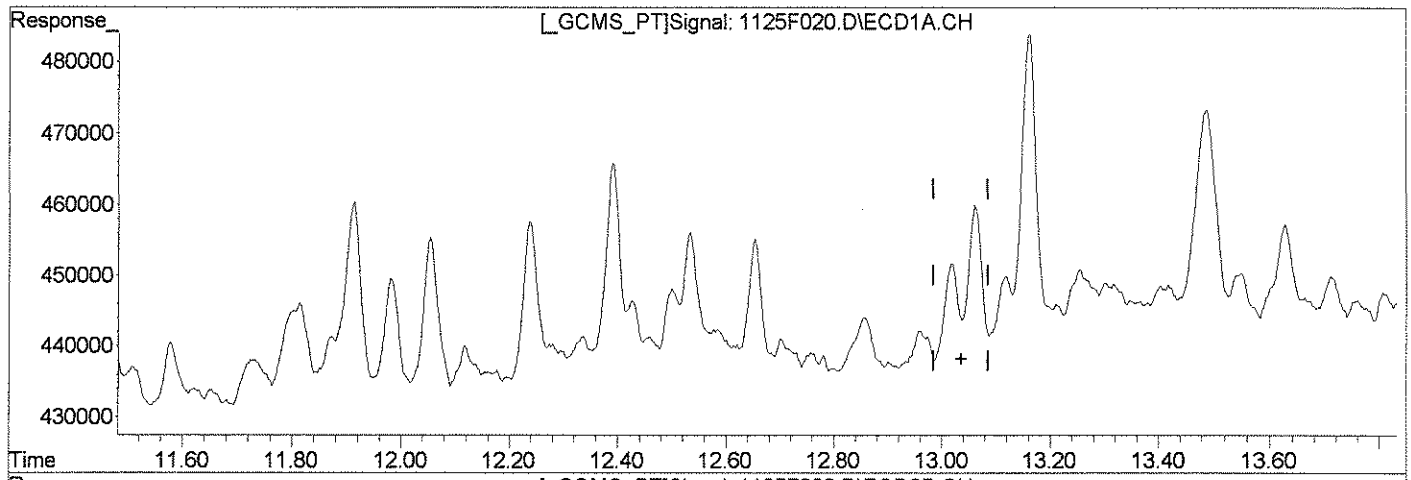
(+) = Expected Retention Time

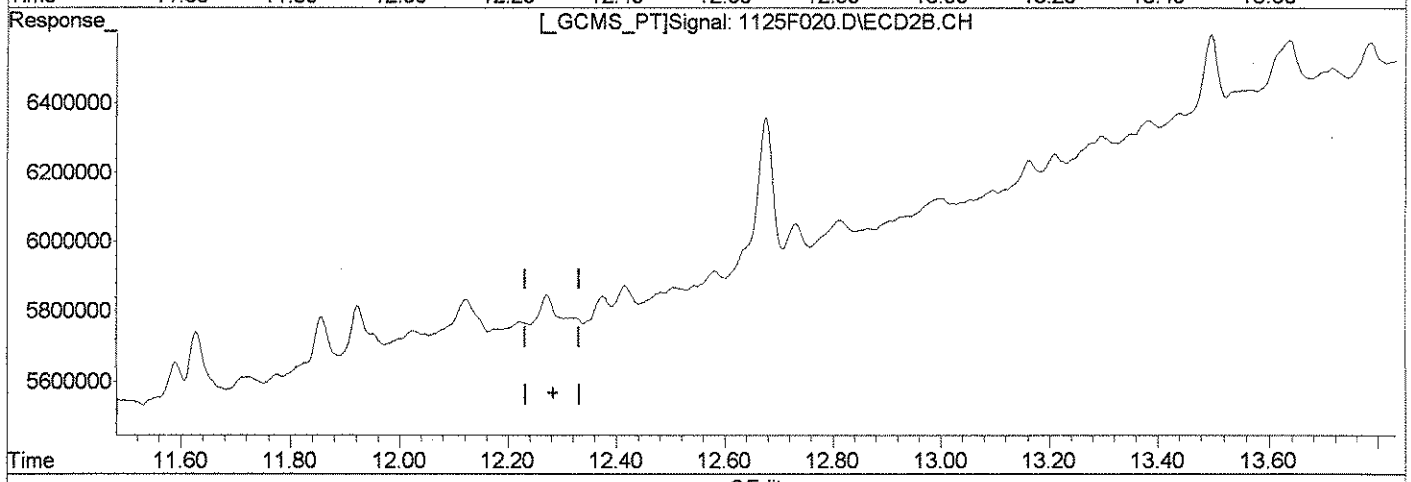
1125F020.D IS-GC23-101410-8081.M Fri Nov 26 11:38:12 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F020.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\112510\1125F020.D\ECD2B.CH
Acq On : 25 Nov 2010 11:10 pm Operator: CCotnam
Sample : K1012914-017 | SL0018 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914017. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(19) 4,4'-DDD

0.00min 0.000ug/L

response 0

(19) 4,4'-DDD #2

0.00min 0.000ug/L d

response 0

Manual Integration:

Before

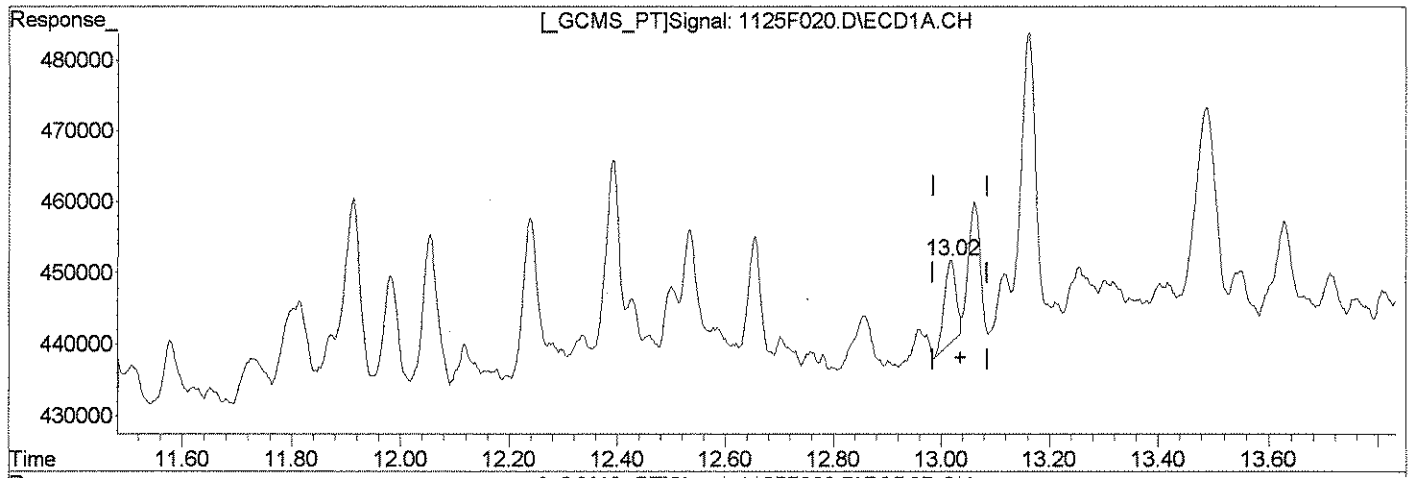
(+) = Expected Retention Time

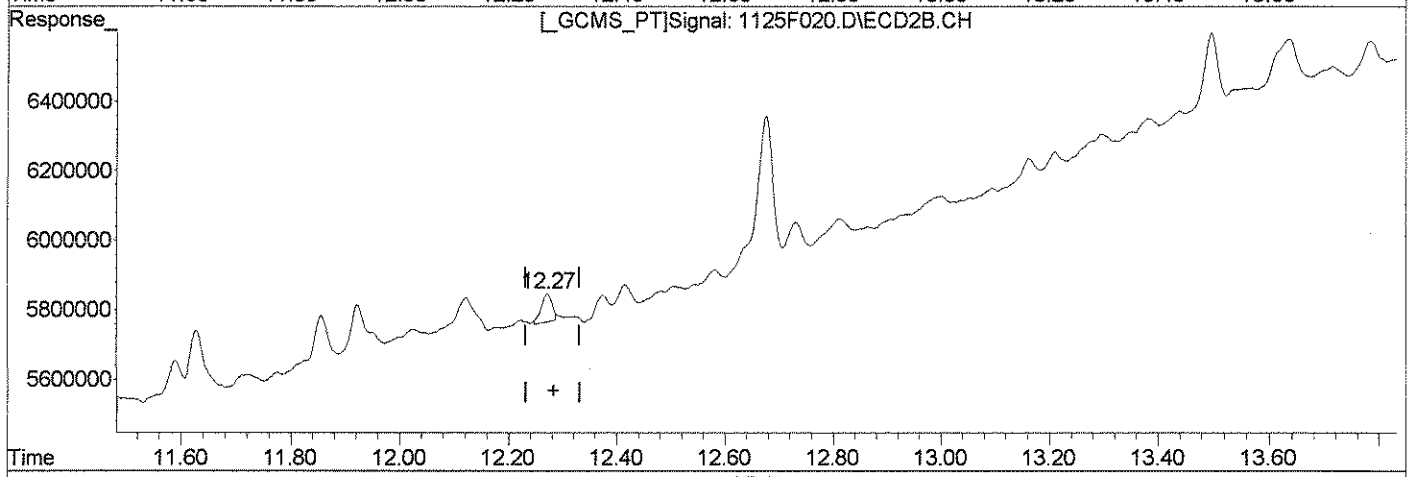
1125F020.D IS-GC23-101410-8081.M Fri Nov 26 11:38:26 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F020.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\112510\1125F020.D\ECD2B.CH
Acq On : 25 Nov 2010 11:10 pm Operator: CCotnam
Sample : K1012914-017 | SL0018 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914017. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(19) 4,4'-DDD
13.02min 0.488ug/L m
response 17955

(19) 4,4'-DDD #2
12.27min 0.466ug/L m
response 114325

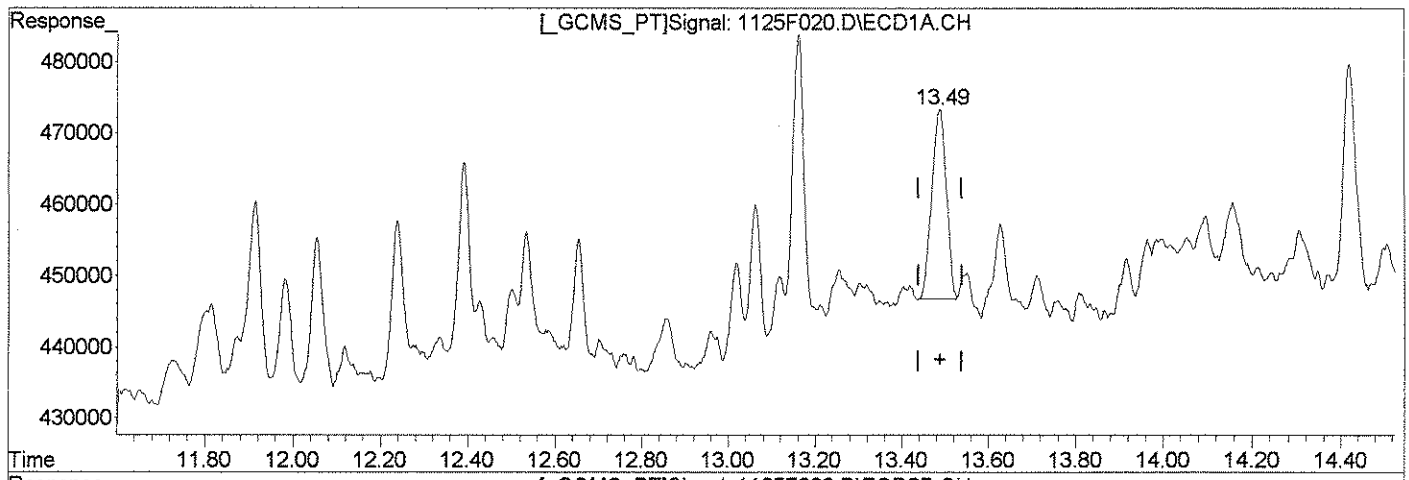
Manual Integration:
After
Missed Peak
11/26/10

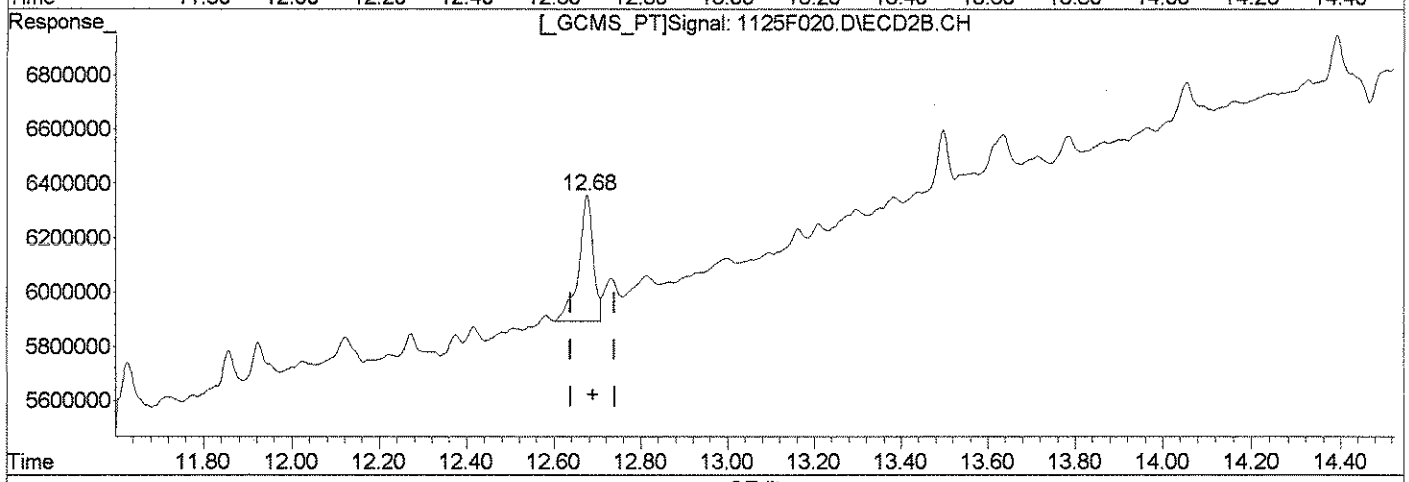
(+) = Expected Retention Time
1125F020.D IS-GC23-101410-8081.M Fri Nov 26 11:38:41 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F020.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\112510\1125F020.D\ECD2B.CH
Acq On : 25 Nov 2010 11:10 pm Operator: CCotnam
Sample : K1012914-017 | SL0018 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914017. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(22) 4,4'-DDT

13.49min 1.642ug/L

response 62526

(22) 4,4'-DDT #2

12.68min 4.462ug/L

response 1080864

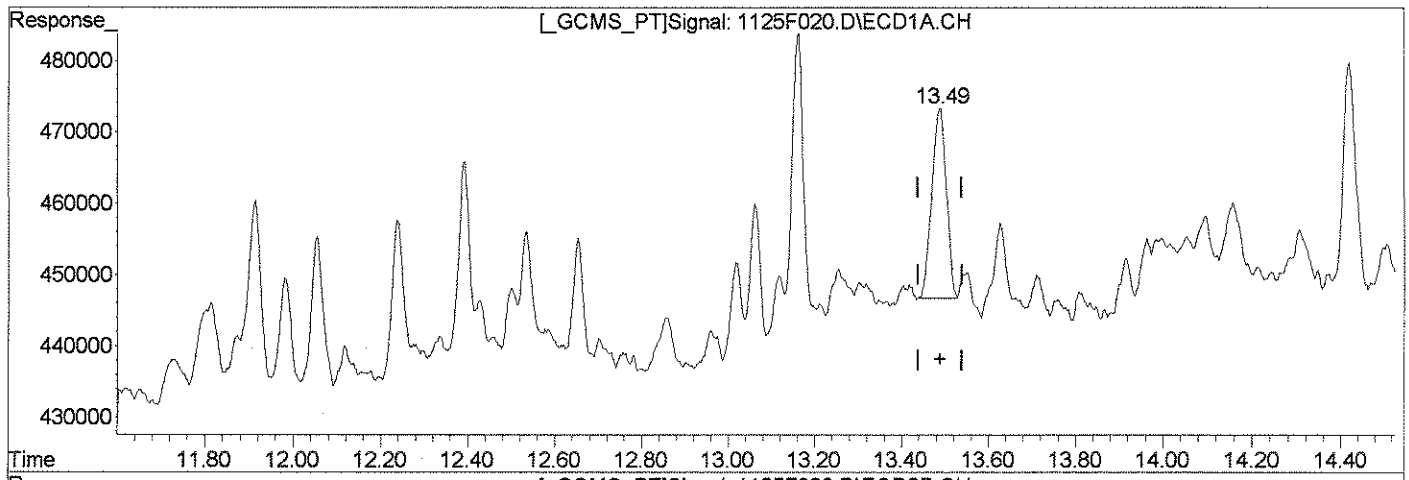
(+) = Expected Retention Time

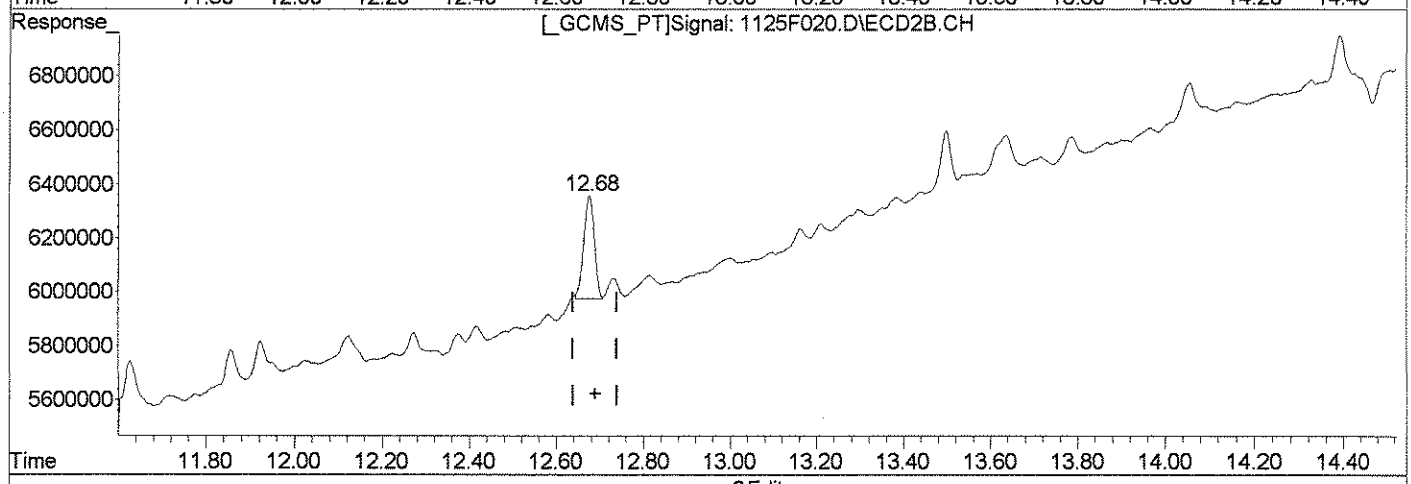
1125F020.D IS-GC23-101410-8081.M Fri Nov 26 11:38:50 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F020.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\112510\1125F020.D\ECD2B.CH
Acq On : 25 Nov 2010 11:10 pm Operator: CCotnam
Sample : K1012914-017 | SL0018 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914017. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(22) 4,4'-DDT
13.49min 1.642ug/L
response 62526

(22) 4,4'-DDT #2
12.68min 2.704ug/L m
response 654930

Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F020.D IS-GC23-101410-8081.M Fri Nov 26 11:39:01 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0019	**Units:**	ug/Kg
Lab Code:	K1012914-018	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**0.94**	JP	3.0	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	Ui	150	69	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	60	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	52	21-112	11/25/10	Acceptable
Decachlorobiphenyl	47	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F021.D	**Date Acquired:**	11/25/2010 23:37
Lab ID:	K1012914-018	**Date Quantitated:**	11/26/2010 11:40
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	no
Analyte Co-elution	4,4'-DDT	13.49	NA	NA	Cancel
	1-Bromo-2-nitrobenzene	5.75	NA	NA	SA
	Endosulfan I	12.05	NA	NA	Cancel
	Toxaphene {3}	13.49	NA	NA	
	Chlordane {4}	11.91	NA	NA	
	Chlordane {5}	11.91	NA	NA	
	Chlordane {6}	12.05	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.75	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.75	NA	NA	

Primary Review: GC 11/29/10

Secondary Review: LMM

Exception Report

Data File:	J:\GC23\DATA\112510\1125F021.D\1125F021C.D	**Date Acquired:**	11/25/2010 23:37
Lab ID:	K1012914-018	**Date Quantitated:**	11/26/2010 11:40
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981918	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12116
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F021.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F021.D\1125F021c.d			**Vial:**	26
Acqu Date:	11/25/2010 23:37	**Quant Date:**	11/26/2010 11:40	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-018				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.75	-0.09 c	5.51	-0.06 c	1690864	12230182	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.75	-0.08 c	5.51	-0.05 c	1690864	12230182	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.75	-0.09 c	5.51	-0.06 c	1690864	12230182	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.03	-0.01	7.06	1907915	12161906	51.90	48.85			52OK
					%Recovery =		52OK	49OK	Limits =	21-112	
1	Decachlorobiphenyl	16.49		15.59	2026383	13443557	68.15 CCV	47.13			47OK
					%Recovery =		68OK	47OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC					0	0	0.0000	0.0000	0.35U	0.35U	0.35U
1	beta-BHC					0	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC					0	0	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor					0	0d	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin	10.69	-0.03	9.71	-0.01	52274	53777	1.10	0.1730	0.65J	0.34U	0.34U
1	Heptachlor Epoxide	11.40	-0.02	10.61	+0.03	88584	133124	1.95	0.4380	1.2J	0.39U	0.39U
1	Endosulfan I	12.05	+0.01 c	11.14	-0.02	27443	51937	0.6660	0.1820	1.7U	1.7U	1.7U
1	Dieldrin	12.39	-0.04	11.59		29172	37997	0.6460	0.1250	0.48U	0.48U	0.48U
1	4,4'-DDE	12.24	+0.01	11.41		56385	241465m	1.37	0.8530	1.6U	1.6U	1.6U
1	Endrin					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F021.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F021.D\1125F021c.d			**Vial:**	26
Acqu Date:	11/25/2010 23:37	**Quant Date:**	11/26/2010 11:40	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-018				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	Endosulfan II	13.16	-0.02	12.48	+0.02	140113	54432	3.46	0.1950	2.0J	0.86U	0.86U
1	4,4'-DDD					0d	0d	0.0000	0.0000	1.0U	1.0U	1.0U
1	Endrin Aldehyde					0	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate					0	0d	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT	13.49	+0.02 c*	12.68		59424	1094389m	1.58	4.57	0.94J	2.7J	**2.7**JP
	Toxaphene					0	0	119.78	115.14	71J	68J	**68**J
2	Toxaphene {1}	12.50	-0.05	12.27	-0.03	33261	363116	142.10	82.62	84J	49J	
2	Toxaphene {2}			12.37	-0.01	0	83779	0.0000	26.82	37U	37U	
2	Toxaphene {3}	13.49	-0.01 c	12.58	+0.01	59424	88096	141.71	53.80	84J	37U	
2	Toxaphene {4}			12.81		0	307498	0.0000	112.10	37U	66J	
2	Toxaphene {5}			12.98	-0.04	0	535282	0.0000	302.16	37U	180	
2	Toxaphene {6}	14.42	-0.01	13.50		59997	480605	75.54	113.34	45J	67J	
	Chlordane					0	0	22.93	5.38	22U	22U	22U
3	Chlordane {1}	9.87	-0.01	8.95	-0.01	114386	34562	67.62	3.21	40J	22U	
3	Chlordane {2}			9.27	+0.02	0	63354	0.0000	4.49	22U	22U	
3	Chlordane {3}			10.93	-0.01	0	190198	0.0000	6.36	22U	22U	
3	Chlordane {4}	11.91	-0.01 c	10.97	-0.01	29905	95845	6.01	5.55	22U	22U	
3	Chlordane {5}	11.91	-0.08 c	11.03	-0.01	29905	75484	7.68	8.69	22U	22U	
3	Chlordane {6}	12.05	-0.01 c	11.08	-0.01	27443	97971	10.40	3.95	22U	22U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.03 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1
Solids:	84.5 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F021.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\112510\1125F021.D\ECD2B.CH
Acq On : 25 Nov 2010 11:37 pm Operator: CCotnam
Sample : K1012914-018 | SL0019 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914018. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:42 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.75	5.51	1690864	12230182	50.000	50.000	
26)		1-Bromo-2-nitrob	5.75	5.51	1690864	12230182	50.000	50.000	
33)		1-Bromo-2-nitrob	5.75	5.51	1690864	12230182	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.03	7.06	1907915	12161906	51.904	48.852	
25)	s	Decachlorobiphen	16.49f	15.59	2026383	13443557	68.145	47.133	#
		Target Compounds							
4)		Hexachlorobenzen	8.85	7.91	49164	338010	1.146	0.907	
9)		Aldrin	10.69f	9.71f	52274	53777	1.103	0.173	#
11)		Heptachlor Epoxi	11.40f	10.61	88584	133124	1.954	0.438	#
12)		gamma-Chlordane	11.91	10.93	29905	190198	0.671	0.613	
13)		Endosulfan I	12.05	11.14f	27443	51937	0.666	0.182	#
14)		alpha-Chlordane	11.98	11.08	15194	97971	0.343m	0.327	
15)		Dieldrin	12.39f	11.59	29172	37997	0.646	0.125	#
16)		4,4'-DDE	12.24	11.41	56385	241465	1.370	0.853m	#
18)		Endosulfan II	13.16f	12.48	140113	54432	3.463	0.195	#
22)		4,4'-DDT	13.49	12.68	59424	1094389	1.584	4.571m	#
27)		Toxaphene	12.50f	12.27f	33261	363116	142.098	82.616	#
28)		Toxaphene {2}	0.00	12.37	0	83779	N.D.	26.815	#
29)		Toxaphene {3}	13.49	12.58	59424	88096	141.708	53.796	#
30)		Toxaphene {4}	0.00	12.81	0	307498	N.D.	112.101	#
31)		Toxaphene {5}	0.00	12.98f	0	535282	N.D.	302.155	#
32)		Toxaphene {6}	14.42	13.50	59997	480605	75.537	113.341	#
34)		Chlordane	9.87	8.95	114386	34562	67.618	3.212	#
35)		Chlordane {2}	0.00	9.27	0	63354	N.D.	4.491	#
36)		Chlordane {3}	0.00	10.93	0	190198	N.D.	6.362	#
37)		Chlordane {4}	11.91	10.97	29905	95845	6.013	5.549	
38)		Chlordane {5}	11.91f	11.03	29905	75484	7.680	8.691	
39)		Chlordane {6}	12.05	11.08	27443	97971	10.398	3.948	#

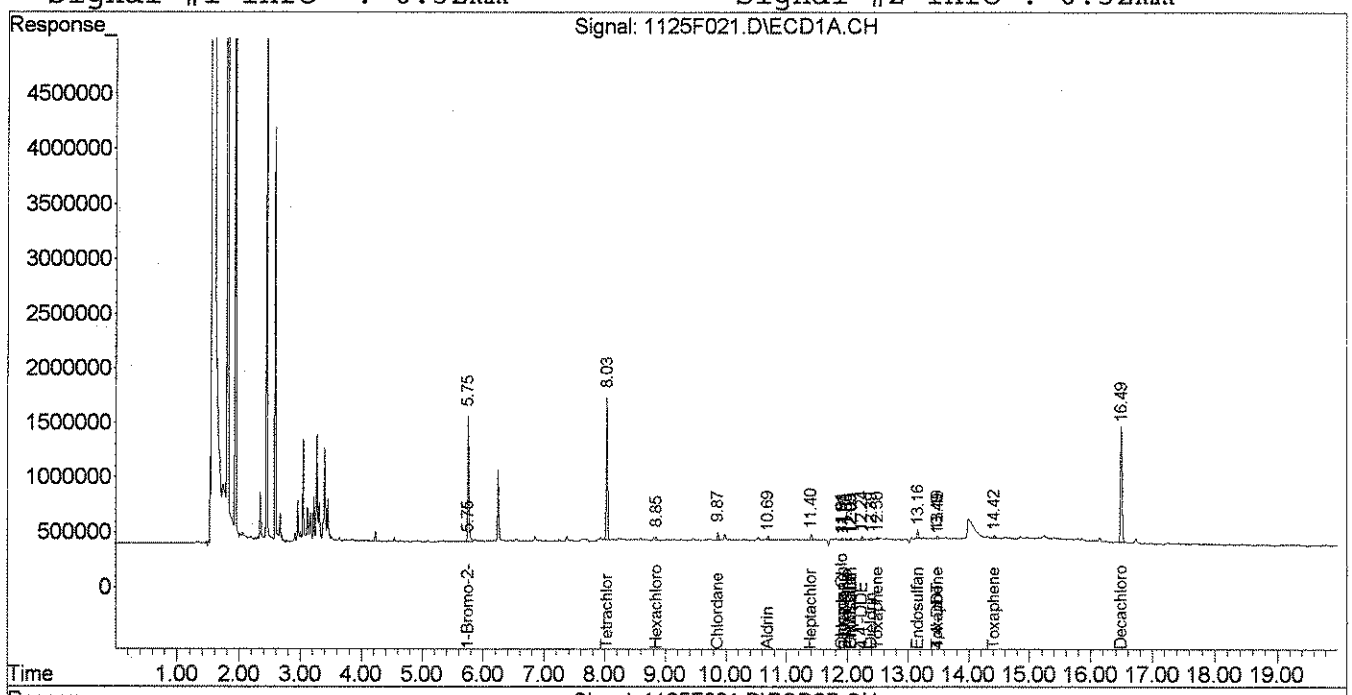
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

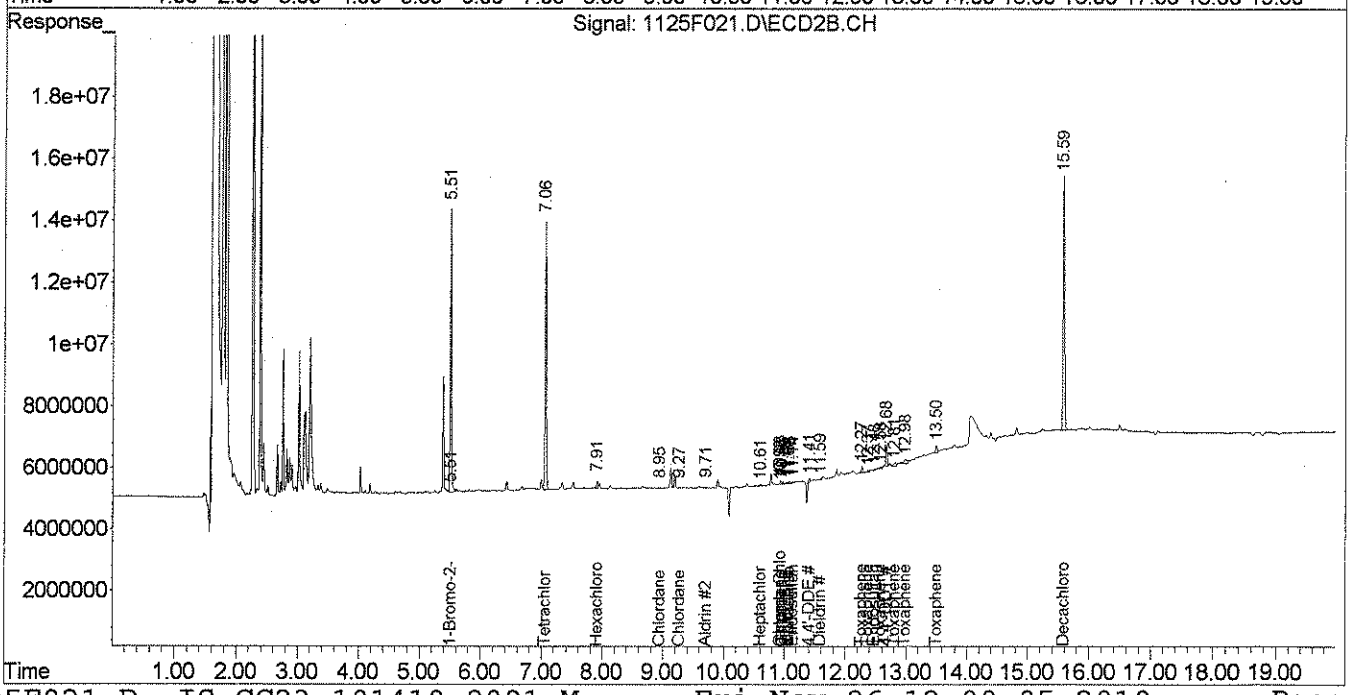
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F021.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\112510\1125F021.D\ECD2B.CH
Acq On : 25 Nov 2010 11:37 pm Operator: CCotnam
Sample : K1012914-018 | SL0019 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914018. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:40 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

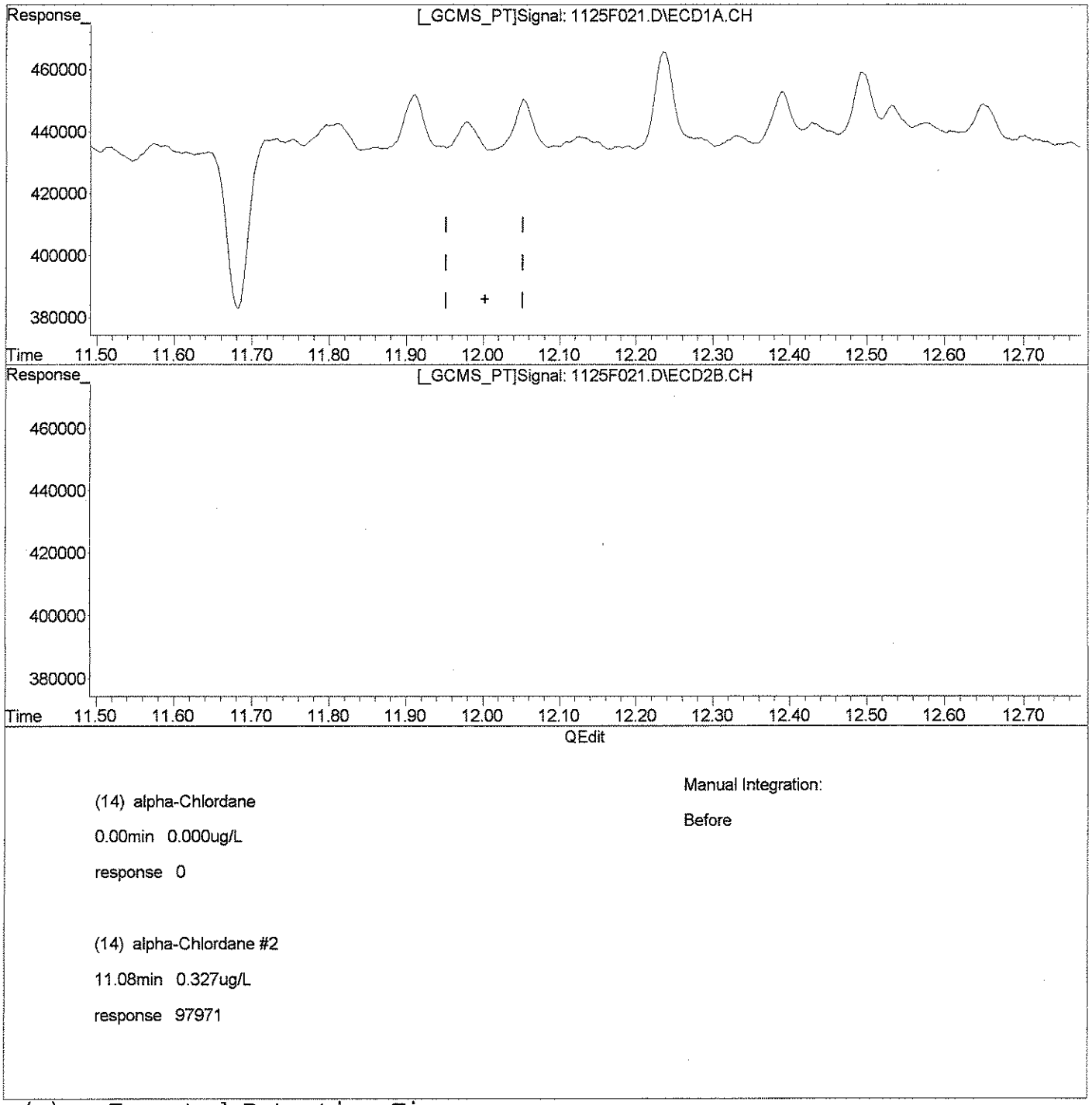




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F021.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\112510\1125F021.D\ECD2B.CH
Acq On : 25 Nov 2010 11:37 pm Operator: CCotnam
Sample : K1012914-018 | SL0019 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914018. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration

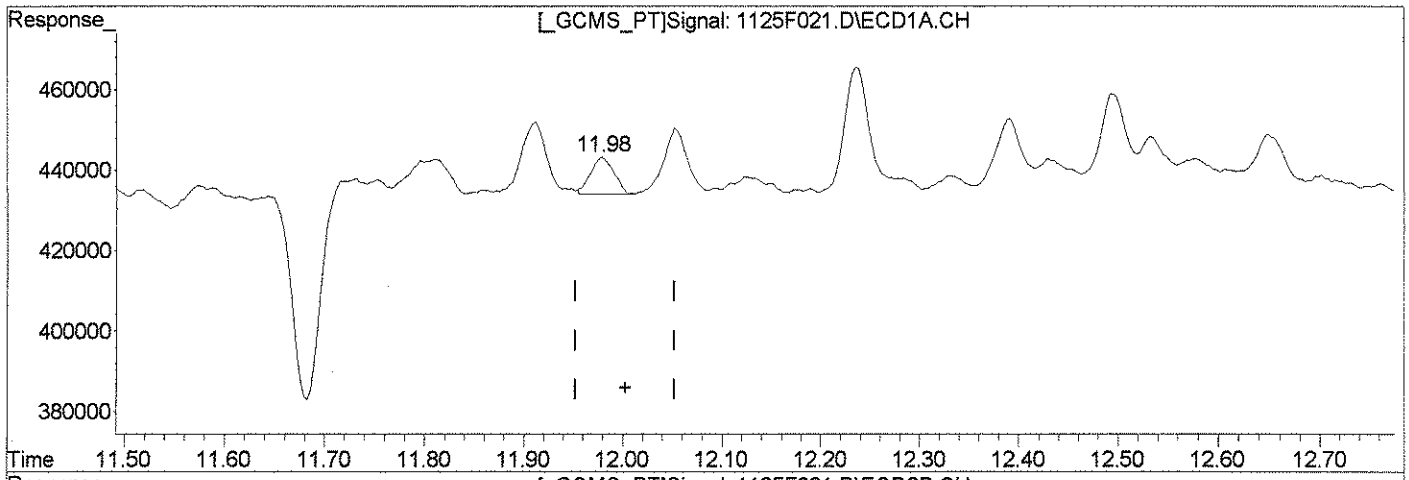


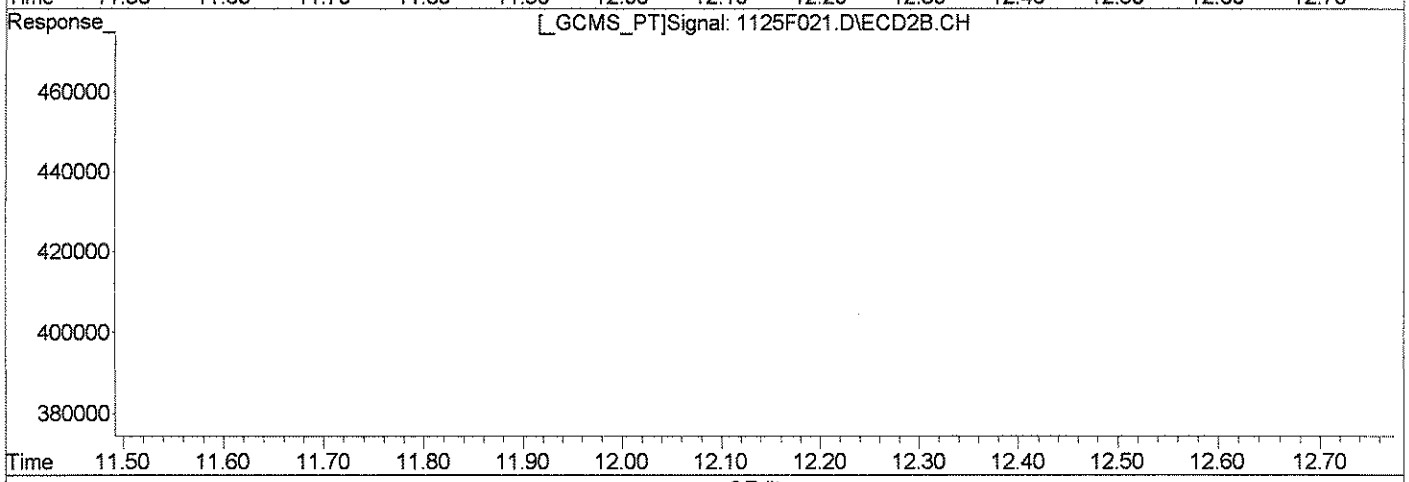
(+) = Expected Retention Time
1125F021.D IS-GC23-101410-8081.M Fri Nov 26 11:40:07 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F021.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\112510\1125F021.D\ECD2B.CH
Acq On : 25 Nov 2010 11:37 pm Operator: CCotnam
Sample : K1012914-018 | SL0019 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914018. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(14) alpha-Chlordane
11.98min 0.343ug/L m
response 15194

(14) alpha-Chlordane #2
11.08min 0.327ug/L
response 97971

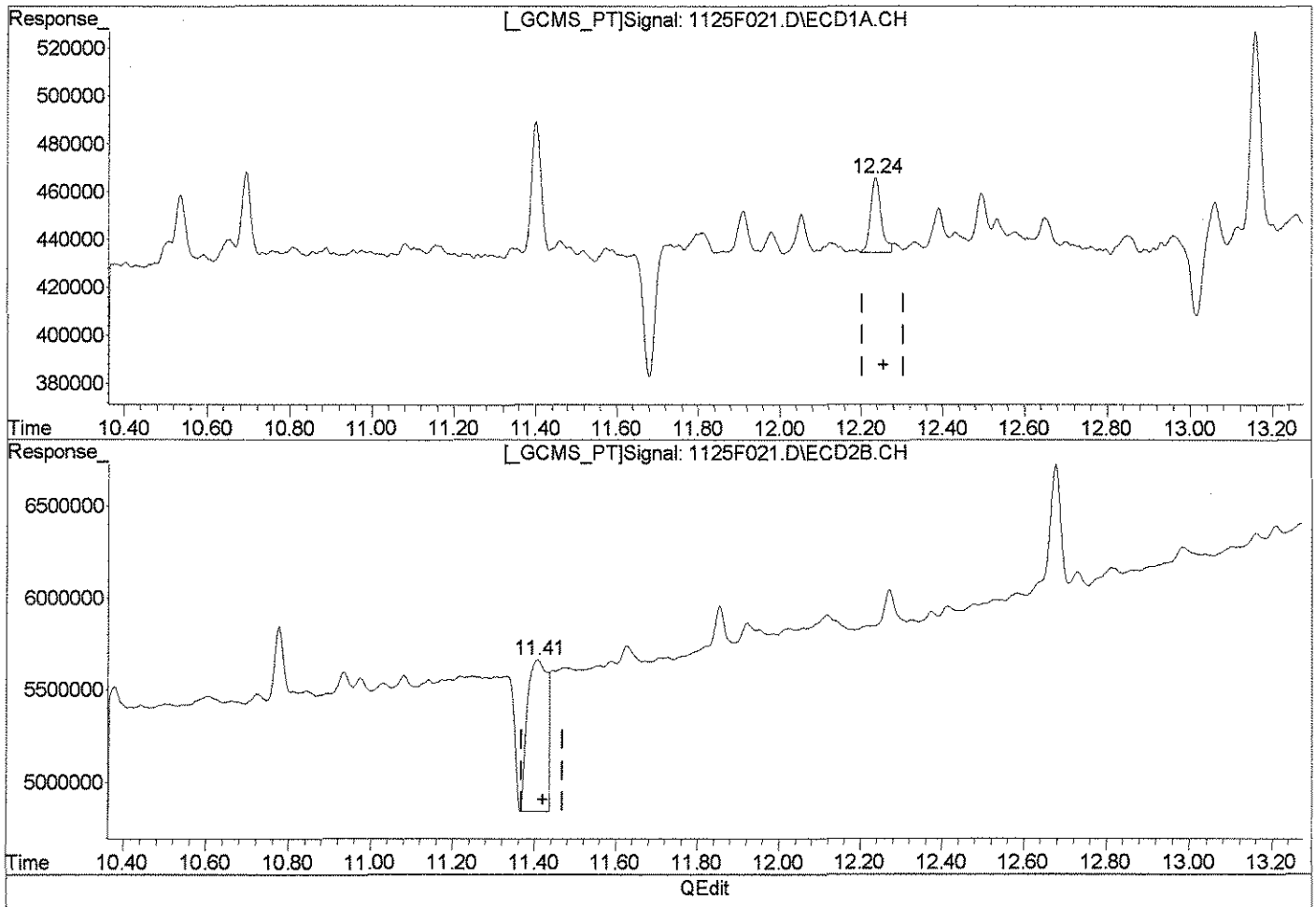
Manual Integration:
After
Missed Peak
11/26/10

(+) = Expected Retention Time
1125F021.D IS-GC23-101410-8081.M Fri Nov 26 11:40:12 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F021.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\112510\1125F021.D\ECD2B.CH
Acq On : 25 Nov 2010 11:37 pm Operator: CCotnam
Sample : K1012914-018 | SL0019 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914018. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(16) 4,4'-DDE

12.24min 1.370ug/L

response 56385

(16) 4,4'-DDE #2

11.41min 9.960ug/L

response 2820178

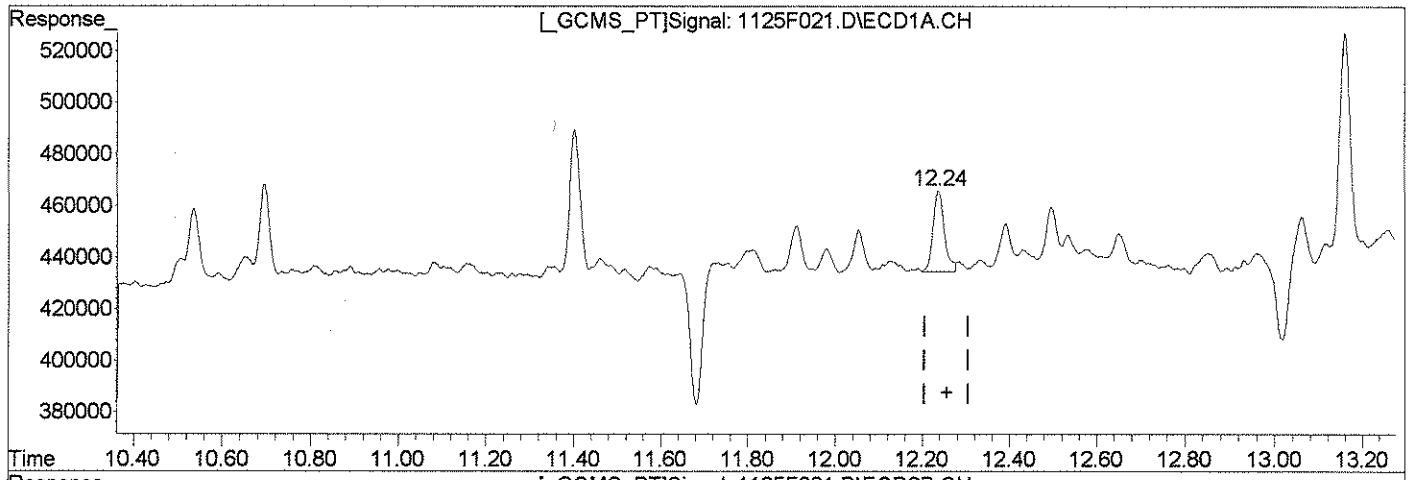
(+) = Expected Retention Time

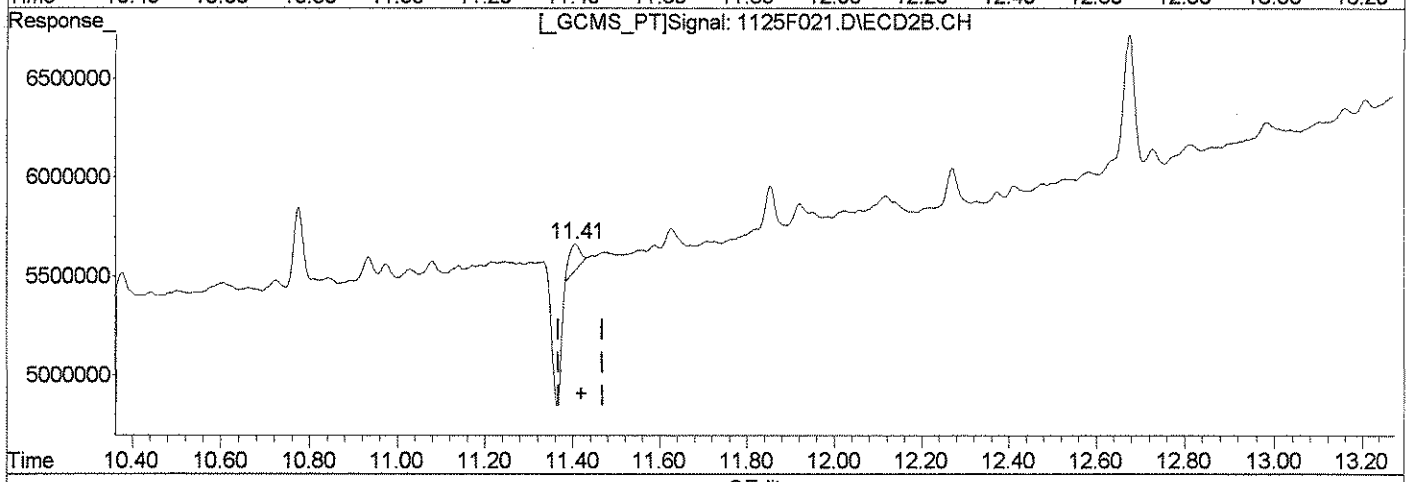
1125F021.D IS-GC23-101410-8081.M Fri Nov 26 11:40:17 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F021.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\112510\1125F021.D\ECD2B.CH
Acq On : 25 Nov 2010 11:37 pm Operator: CCotnam
Sample : K1012914-018 | SL0019 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914018. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(16) 4,4'-DDE
12.24min 1.370ug/L
response 56385

(16) 4,4'-DDE #2
11.41min 0.853ug/L m
response 241465

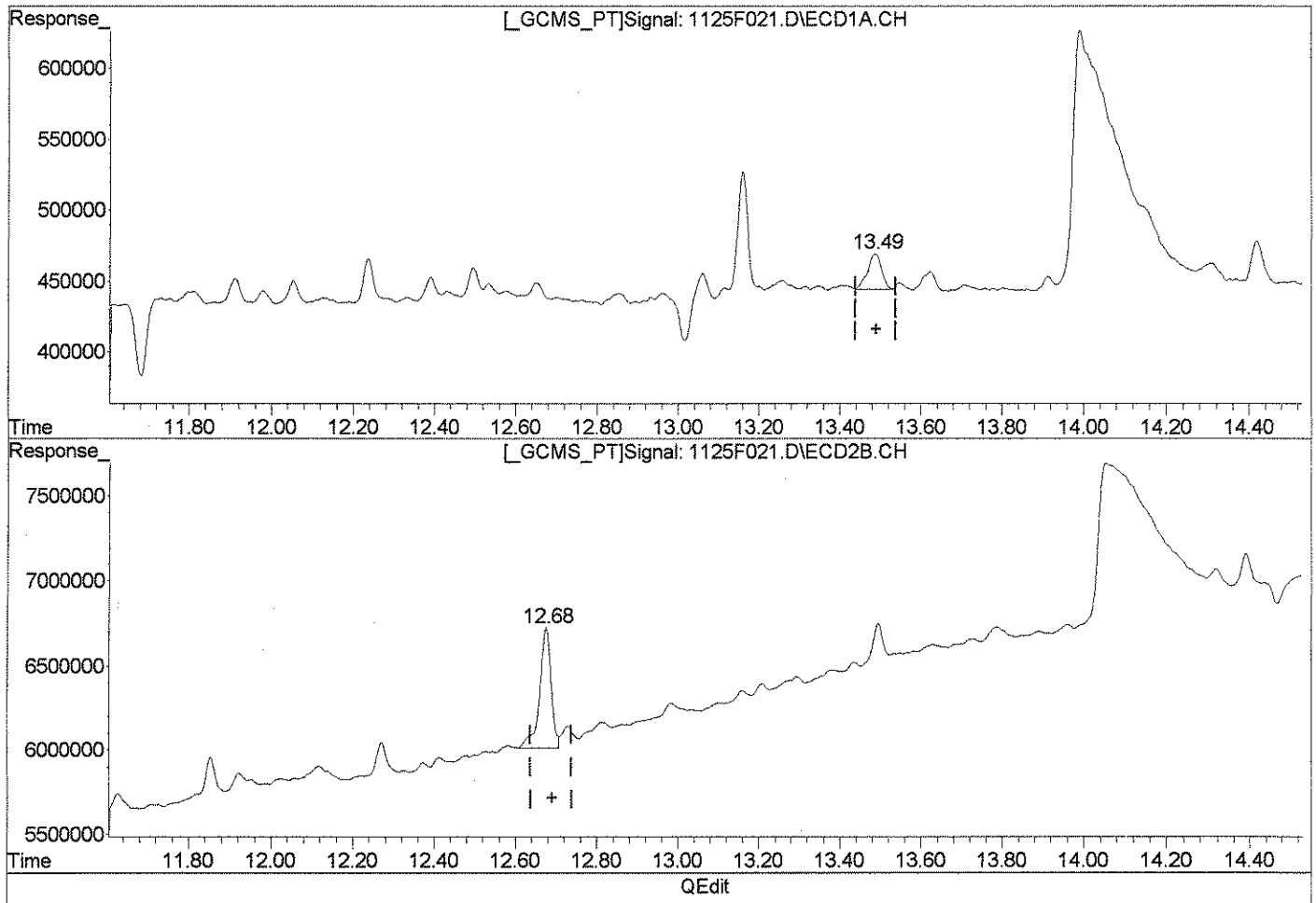
Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F021.D IS-GC23-101410-8081.M Fri Nov 26 11:40:29 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F021.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\112510\1125F021.D\ECD2B.CH
Acq On : 25 Nov 2010 11:37 pm Operator: CCotnam
Sample : K1012914-018 | SL0019 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914018. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(22) 4,4'-DDT

13.49min 1.584ug/L

response 59424

(22) 4,4'-DDT #2

12.68min 5.921ug/L

response 1417586

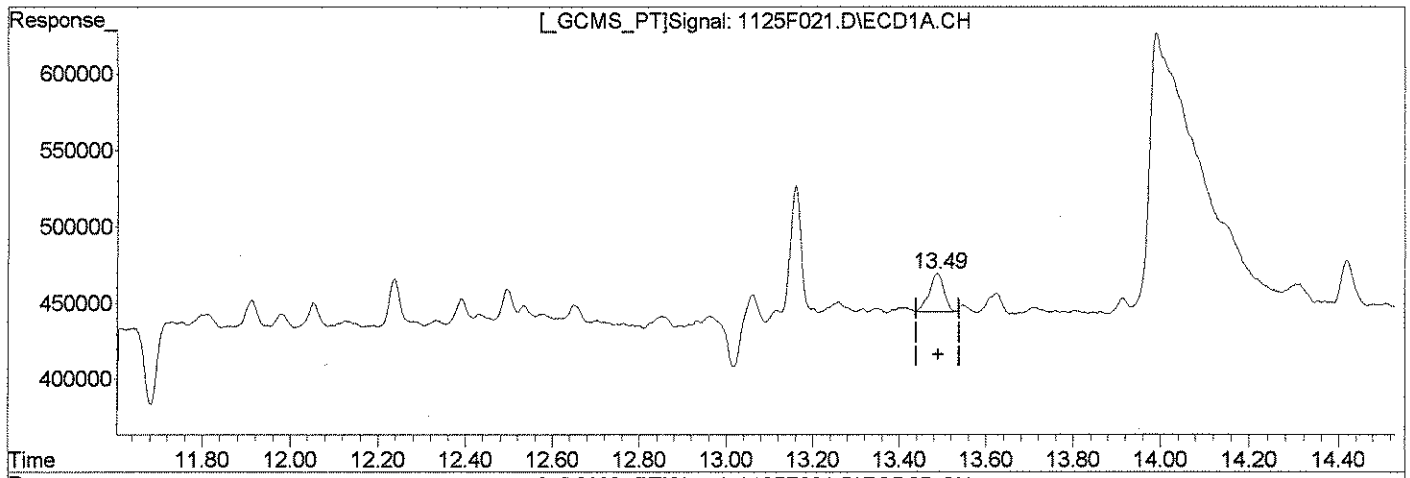
(+) = Expected Retention Time

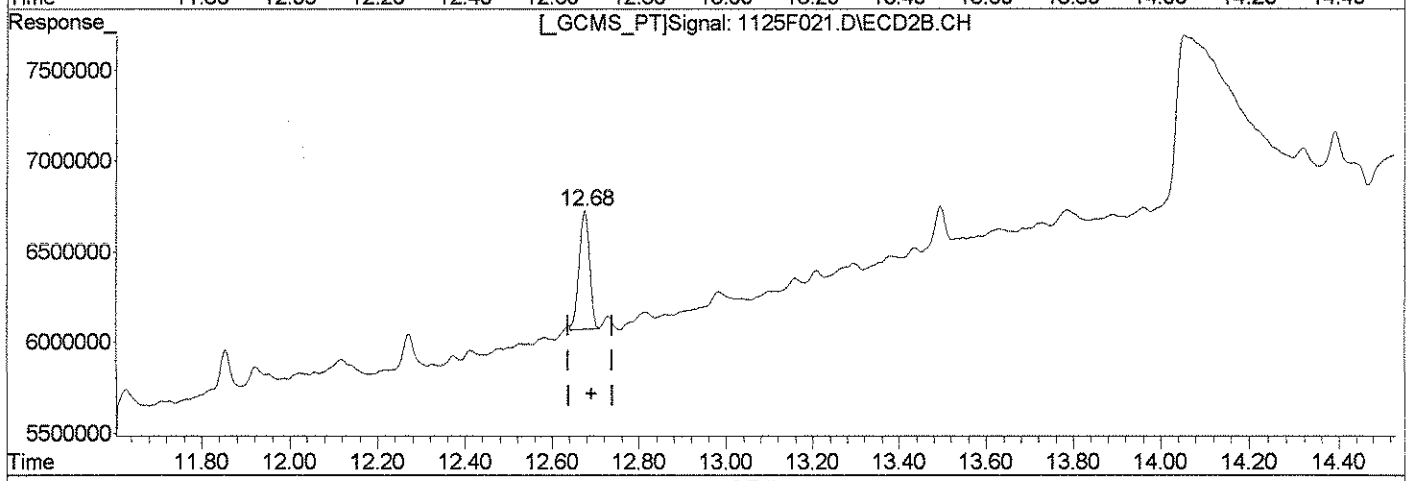
1125F021.D IS-GC23-101410-8081.M Fri Nov 26 11:40:45 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F021.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\112510\1125F021.D\ECD2B.CH
Acq On : 25 Nov 2010 11:37 pm Operator: CCotnam
Sample : K1012914-018 | SL0019 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914018. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(22) 4,4'-DDT

13.49min 1.584ug/L

response 59424

(22) 4,4'-DDT #2

12.68min 4.571ug/L m

response 1094389

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F021.D IS-GC23-101410-8081.M Fri Nov 26 11:40:52 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.9	0.35	1	11/22/10	11/26/10	KWG1012933	
beta-BHC	ND	U	2.9	0.50	1	11/22/10	11/26/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.9	0.45	1	11/22/10	11/26/10	KWG1012933	
delta-BHC	ND	U	2.9	0.37	1	11/22/10	11/26/10	KWG1012933	
Heptachlor	ND	U	2.9	0.83	1	11/22/10	11/26/10	KWG1012933	
Aldrin	ND	U	2.9	0.34	1	11/22/10	11/26/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.9	0.39	1	11/22/10	11/26/10	KWG1012933	
Endosulfan I	ND	U	2.9	1.7	1	11/22/10	11/26/10	KWG1012933	
Dieldrin	ND	U	2.9	0.48	1	11/22/10	11/26/10	KWG1012933	
4,4'-DDE	ND	U	2.9	1.6	1	11/22/10	11/26/10	KWG1012933	
Endrin	ND	U	2.9	0.45	1	11/22/10	11/26/10	KWG1012933	
Endosulfan II	ND	U	2.9	0.86	1	11/22/10	11/26/10	KWG1012933	
4,4'-DDD	ND	U	2.9	1.0	1	11/22/10	11/26/10	KWG1012933	
Endrin Aldehyde	ND	U	2.9	1.4	1	11/22/10	11/26/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.9	0.57	1	11/22/10	11/26/10	KWG1012933	
4,4'-DDT	**1.2**	JP	2.9	0.85	1	11/22/10	11/26/10	KWG1012933	
Toxaphene	ND	Ui	150	61	1	11/22/10	11/26/10	KWG1012933	
Chlordane	ND	U	58	22	1	11/22/10	11/26/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	21-112	11/26/10	Acceptable
Decachlorobiphenyl	80	15-130	11/26/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F022.D	**Date Acquired:**	11/26/2010 00:04
Lab ID:	K1012914-019	**Date Quantitated:**	11/26/2010 11:43
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	NO
Analyte Co-elution	4,4'-DDT	13.49	NA	NA	Cont
	1-Bromo-2-nitrobenzene	5.76	NA	NA	SA
	Endosulfan I	12.06	NA	NA	Cont
	Toxaphene {3}	13.49	NA	NA	
	Chlordane {6}	12.06	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F022.D\1125F022C.D	**Date Acquired:**	11/26/2010 00:04
Lab ID:	K1012914-019	**Date Quantitated:**	11/26/2010 11:43
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981919	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12116
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F022.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F022.D\1125F022c.d			**Vial:**	27
Acqu Date:	11/26/2010 00:04	**Quant Date:**	11/26/2010 11:43	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-019				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08 c	5.51	-0.06 c	1633289	11925333	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76	-0.07 c	5.51	-0.05 c	1633289	11925333	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76	-0.08 c	5.51	-0.06 c	1633289	11925333	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04		7.07	+0.01	3043593	19820005	85.72	81.65			86OK
						%Recovery =		86OK	82OK	Limits =	21-112	
1	Decachlorobiphenyl	16.50	+0.01	15.59		3204289	22365950	111.56CCV	80.42			80OK
						%Recovery =		112OK	80OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC					0	0	0.0000	0.0000	0.35U	0.35U	0.35U
1	beta-BHC					0	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC					0	0d	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor					0	0d	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin	10.70	-0.02	9.72		56770	72011	1.24	0.2370	0.72J	0.34U	0.34U
1	Heptachlor Epoxide	11.41	-0.01	10.59	+0.01	146475	107541	3.34	0.3630	1.9J	0.39U	0.39U
1	Endosulfan I	12.06	+0.02c	11.15	-0.01	101615	52421	2.55	0.1890	1.7U	1.7U	1.7U
1	Dieldrin	12.43		11.60	+0.01	3917m	64975	0.0900	0.2190	0.48U	0.48U	0.48U
1	4,4'-DDE	12.24	+0.01	11.41		61268	205869m	1.54	0.7460	1.6U	1.6U	1.6U
1	Endrin					0	0d	0.0000	0.0000	0.45U	0.45U	0.45U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F022.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F022.D\1125F022c.d			**Vial:**	27
Acqu Date:	11/26/2010 00:04	**Quant Date:**	11/26/2010 11:43	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-019				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	Endosulfan II	13.17	-0.01	12.51	+0.05	153272	240453m	3.92	0.8820	2.3J	0.86U	0.86U
1	4,4'-DDD					0d	0d	0.0000	0.0000	1.0U	1.0U	1.0U
1	Endrin Aldehyde					0	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate					0	0	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT	13.49	+0.02 c	12.68		72203	1316482m	1.99	5.64	1.2J	3.3	~~3.3~~P
	Toxaphene					0	0	103.87	109.05	60J	63J	60J
2	Toxaphene {1}			12.28	-0.02	0	458832	0.0000	107.06	37U	62J	
2	Toxaphene {2}	12.86	+0.03	12.38		27989	124985	52.83	41.03	37U	37U	
2	Toxaphene {3}	13.49	-0.01 c	12.59	+0.02	72203	117646	178.25	73.68	100J	43J	
2	Toxaphene {4}			12.82	+0.01	0	361455	0.0000	135.14	37U	78J	
2	Toxaphene {5}	14.31	+0.06	12.99	-0.03	40888	281324	84.35	162.86	49J	94J	
2	Toxaphene {6}	14.43		13.50		76758	556129	100.05	134.51	58J	78J	
	Chlordane					0	0	43.21	31.60	25J	22U	22U
3	Chlordane {1}	9.87	-0.01	8.96		96273	112583	58.92	10.73	34J	22U	
3	Chlordane {2}			9.25		0	127592	0.0000	9.28	22U	22U	
3	Chlordane {3}	10.77		10.94		29267	1240460	19.72	42.55	22U	25J	
3	Chlordane {4}	11.92		10.98		198451	484855	41.31	28.79	24J	22U	
3	Chlordane {5}	11.99		11.04		211623	375246	56.26	44.31	33J	26J	
3	Chlordane {6}	12.06	c	11.09		101615	1304585	39.86	53.91	23J	31J	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.29 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1
Solids:	85.1 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F022.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\112510\1125F022.D\ECD2B.CH
Acq On : 26 Nov 2010 12:04 am Operator: CCotnam
Sample : K1012914-019 | SL0020 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914019. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:43 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1633289	11925333	50.000	50.000	
26)		1-Bromo-2-nitrob	5.76	5.51	1633289	11925333	50.000	50.000	
33)		1-Bromo-2-nitrob	5.76	5.51	1633289	11925333	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.07	3043593	19820005	85.719	81.649	
25)	s	Decachlorobiphen	16.50	15.59	3204289	22365950	111.556	80.420	#
		Target Compounds							
4)		Hexachlorobenzen	8.86	7.92	81569	571809	1.968	1.573	
9)		Aldrin	10.70f	9.72	56770	72011	1.240	0.237	#
11)		Heptachlor Epoxi	11.41f	10.59	146475	107541	3.344	0.363	#
12)		gamma-Chlordane	11.92	10.94	198451	1240460	4.606	4.102	
13)		Endosulfan I	12.06	11.15	101615	52421	2.552	0.189	#
14)		alpha-Chlordane	11.99	11.09	211623	1304585	4.951	4.470	
15)		Dieldrin	12.43	11.60	3917	64975	0.090m	0.219	#
16)		4,4'-DDE	12.24	11.41	61268	205869	1.541	0.746m	#
18)		Endosulfan II	13.17f	12.51f	153272	240453	3.922	0.882m	#
22)		4,4'-DDT	13.49	12.68	72203	1316482	1.992	5.640m	#
23)		Endrin Ketone	14.43	13.96f	76758	74185	1.765	0.244	#
27)		Toxaphene	0.00	12.28f	0	458832	N.D.	107.062	#
28)		Toxaphene {2}	12.86	12.38	27989	124985	52.833	41.027	
29)		Toxaphene {3}	13.49	12.59	72203	117646	178.251	73.678	#
30)		Toxaphene {4}	0.00	12.82	0	361455	N.D.	135.141	#
31)		Toxaphene {5}	14.31f	12.99f	40888	281324	84.346	162.861	#
32)		Toxaphene {6}	14.43	13.50	76758	556129	100.046	134.505	#
34)		Chlordane	9.87	8.96	96273	112583	58.917	10.730	#
35)		Chlordane {2}	0.00	9.25	0	127592	N.D.	9.276	#
36)		Chlordane {3}	10.77	10.94	29267	1240460	19.723	42.554	#
37)		Chlordane {4}	11.92	10.98	198451	484855	41.308	28.789	#
38)		Chlordane {5}	11.99	11.04	211623	375246	56.261	44.307	
39)		Chlordane {6}	12.06	11.09	101615	1304585	39.860	53.914	#

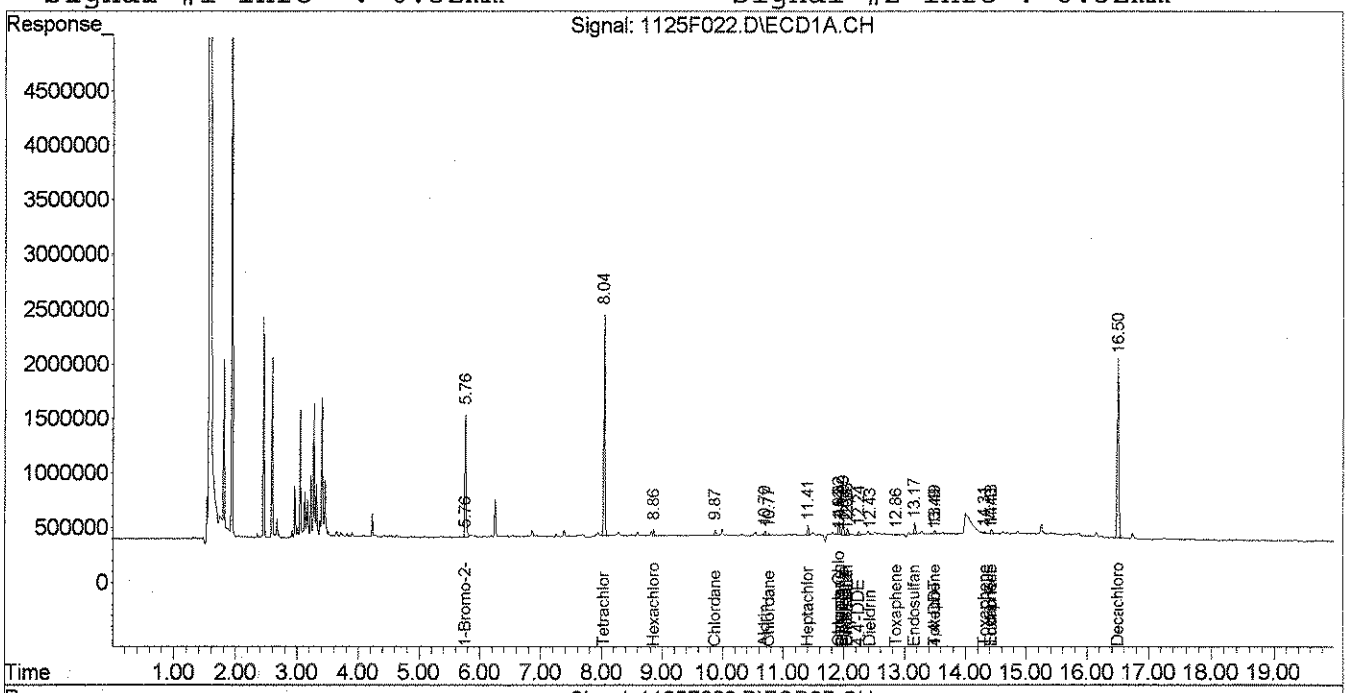
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

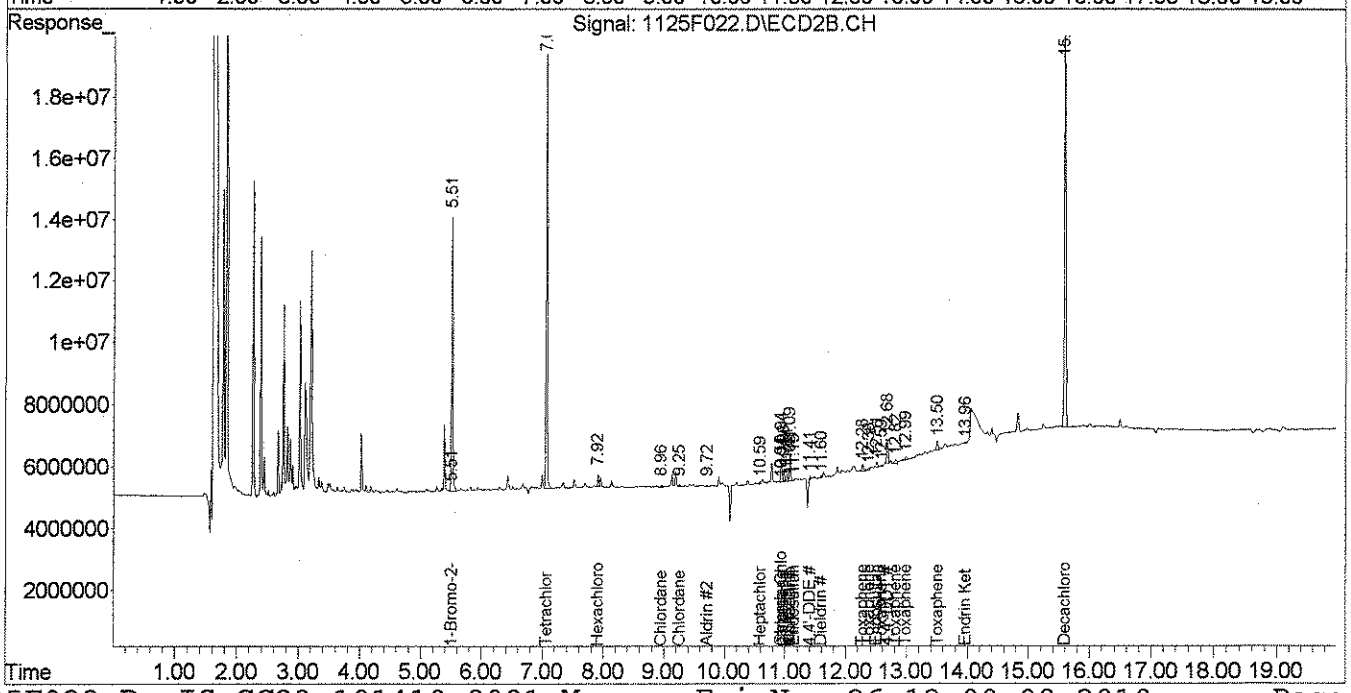
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F022.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\112510\1125F022.D\ECD2B.CH
Acq On : 26 Nov 2010 12:04 am Operator: CCotnam
Sample : K1012914-019 | SL0020 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914019. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:43 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

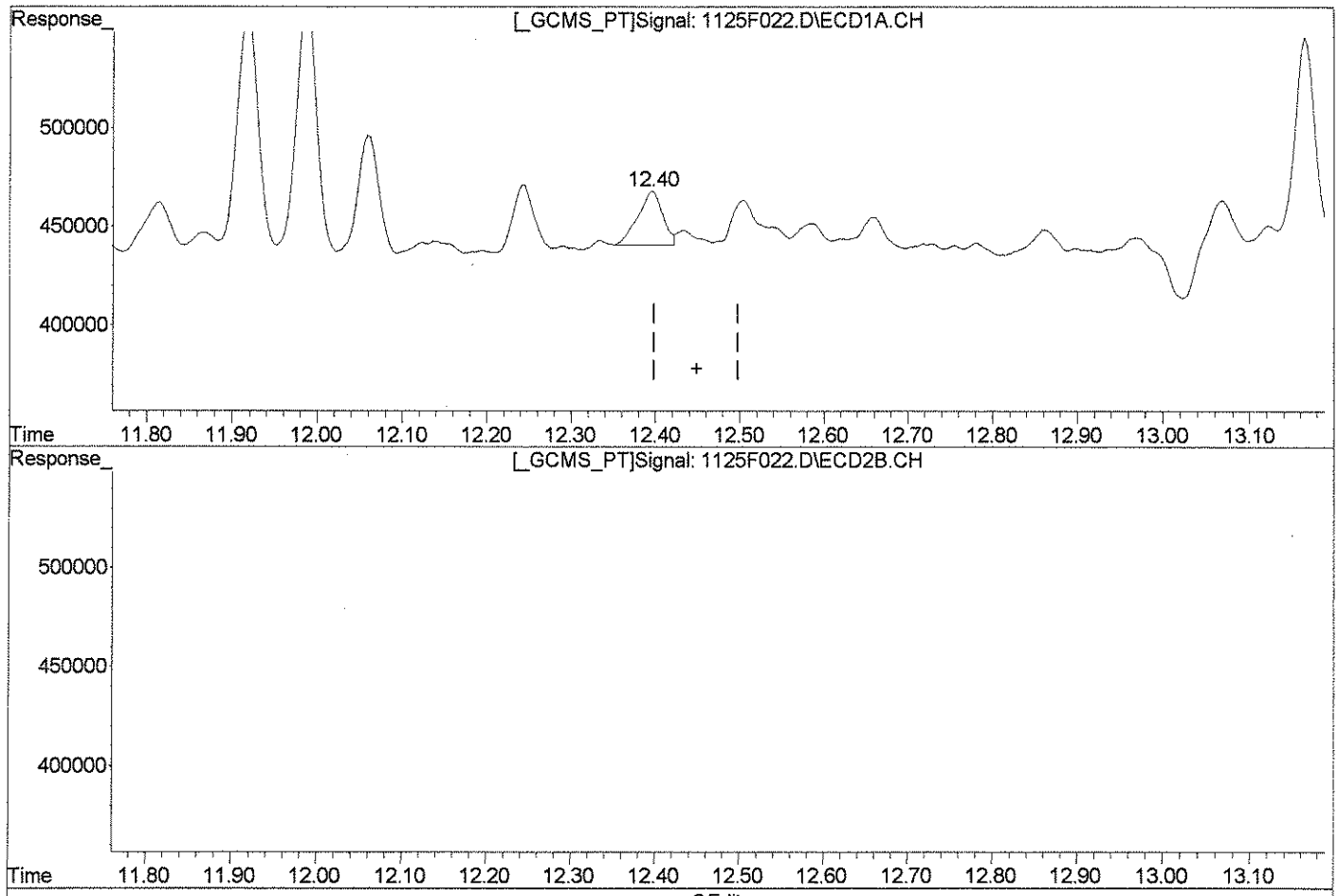




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F022.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\112510\1125F022.D\ECD2B.CH
Acq On : 26 Nov 2010 12:04 am Operator: CCotnam
Sample : K1012914-019 | SL0020 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914019. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



QEdit

(15) Dieldrin

12.40min 1.304ug/L

response 56892

Manual Integration:

Before

(15) Dieldrin #2

11.60min 0.219ug/L

response 64975

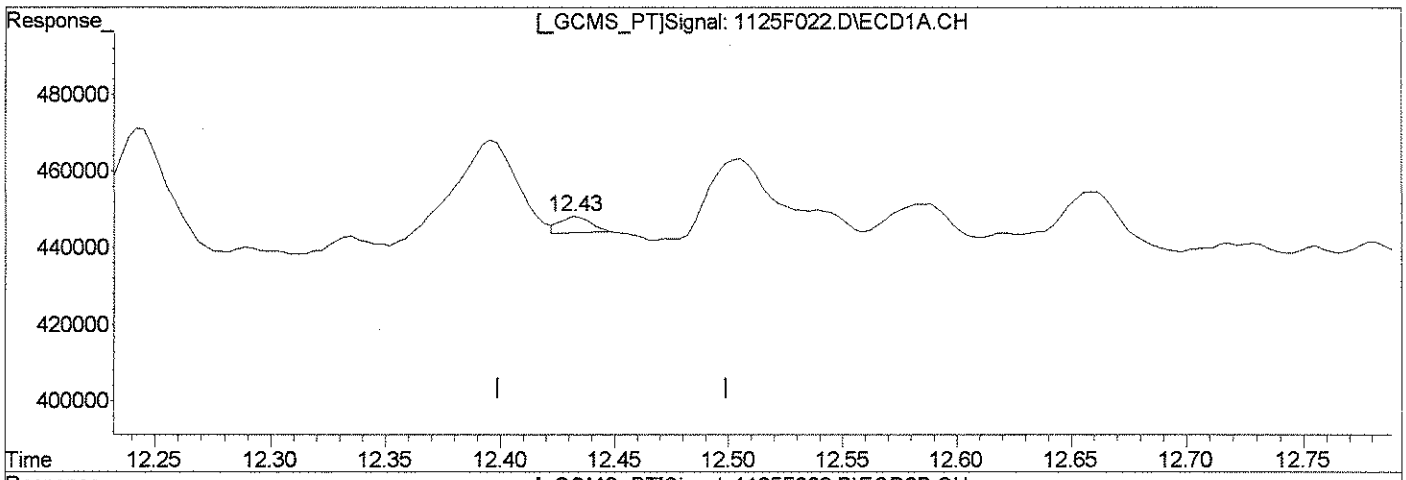
(+) = Expected Retention Time

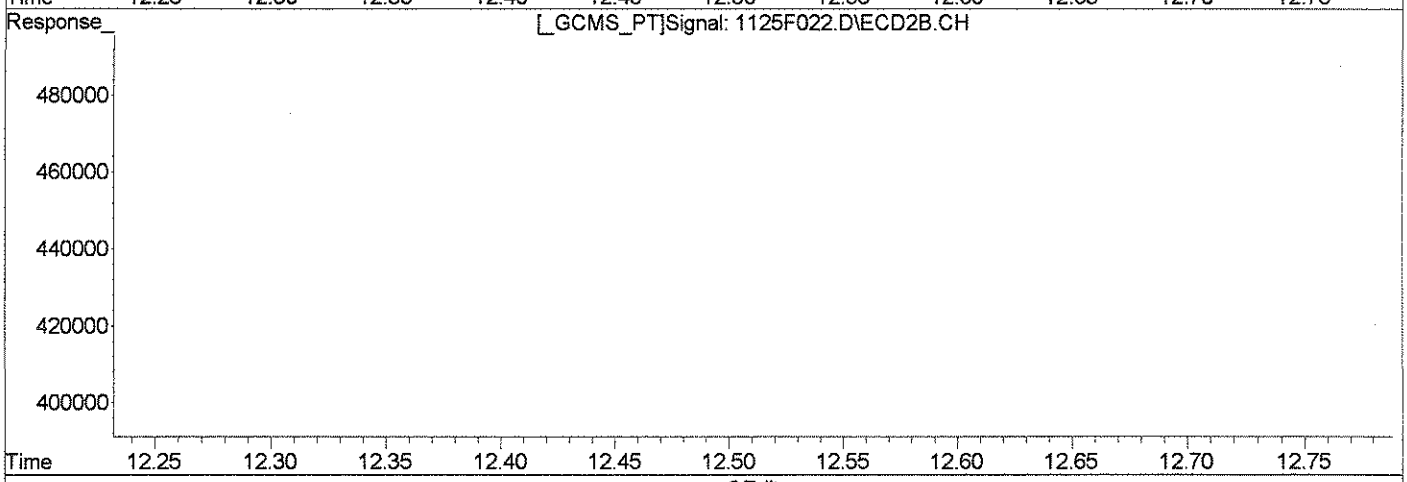
1125F022.D IS-GC23-101410-8081.M Fri Nov 26 11:41:58 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F022.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\112510\1125F022.D\ECD2B.CH
Acq On : 26 Nov 2010 12:04 am Operator: CCotnam
Sample : K1012914-019 | SL0020 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914019. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(15) Dieldrin

12.43min 0.090ug/L m

response 3917

(15) Dieldrin #2

11.60min 0.219ug/L

response 64975

Manual Integration:

After

Missed Peak

11/26/10

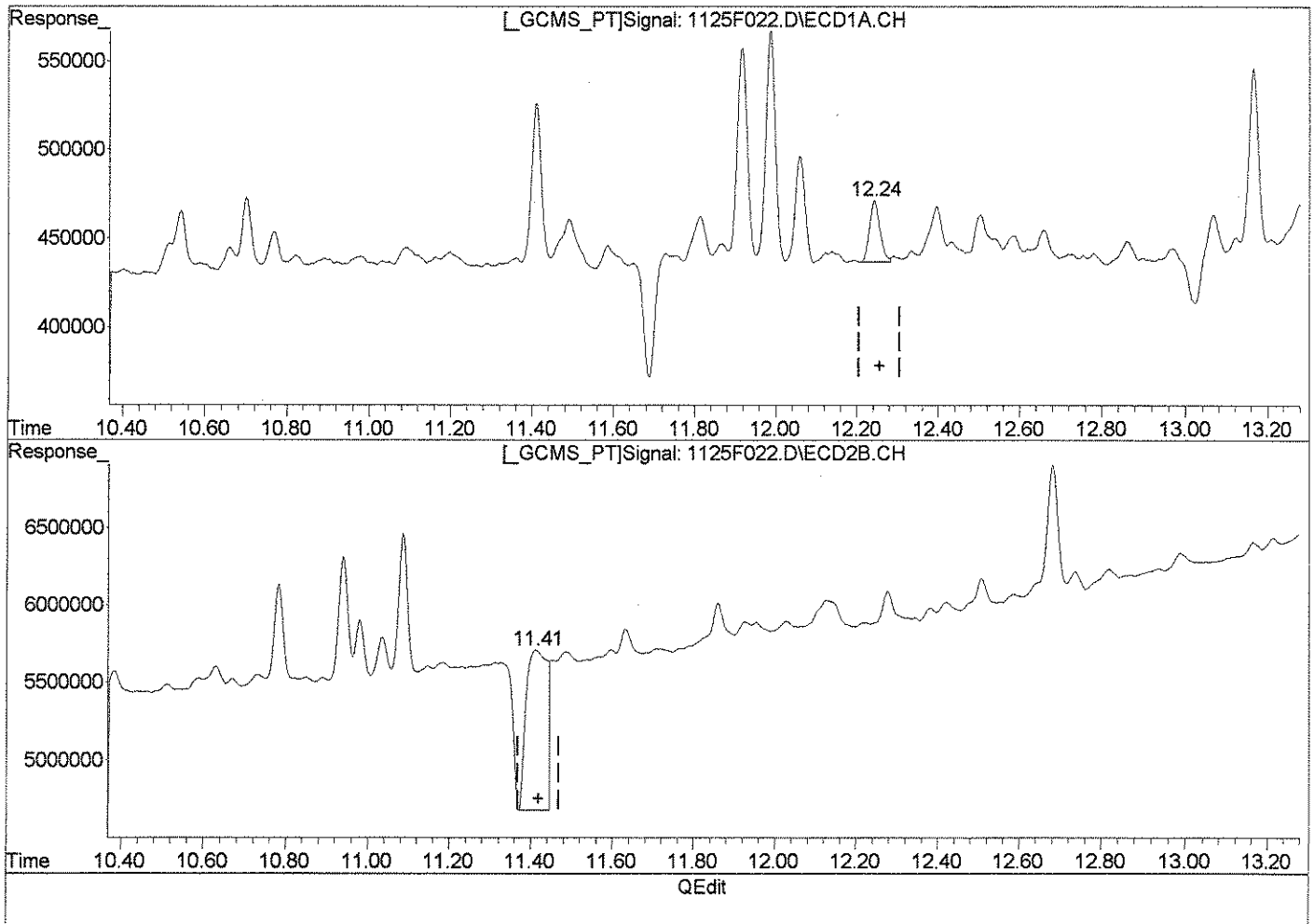
(+) = Expected Retention Time

1125F022.D IS-GC23-101410-8081.M Fri Nov 26 11:42:10 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F022.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\112510\1125F022.D\ECD2B.CH
Acq On : 26 Nov 2010 12:04 am Operator: CCotnam
Sample : K1012914-019 | SL0020 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914019. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(16) 4,4'-DDE

12.24min 1.541ug/L

response 61268

(16) 4,4'-DDE #2

11.41min 13.506ug/L

response 3729007

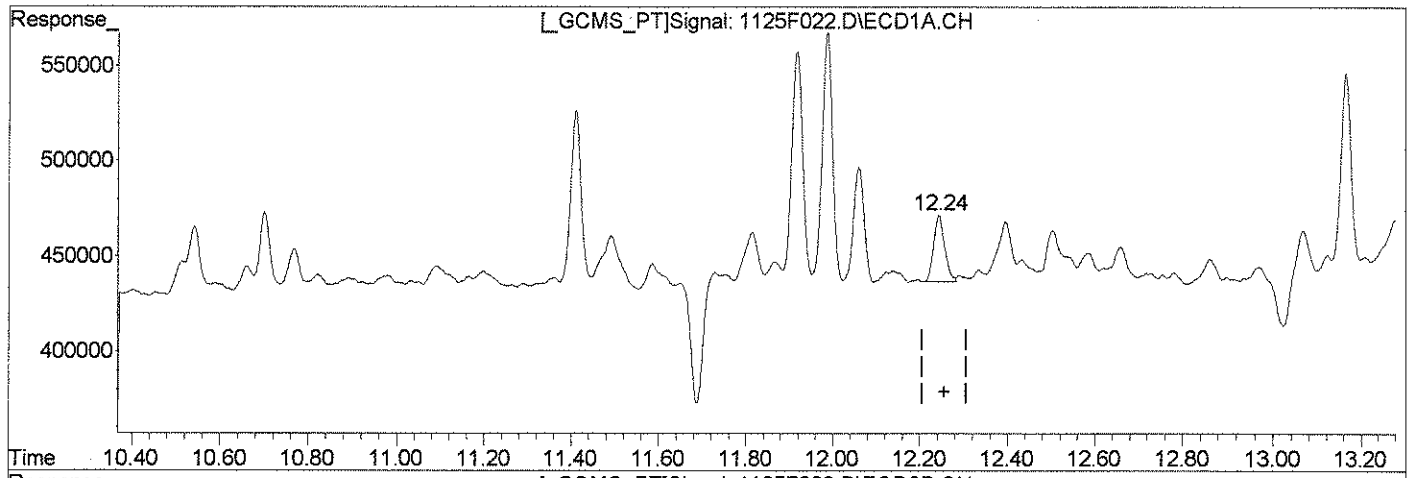
(+) = Expected Retention Time

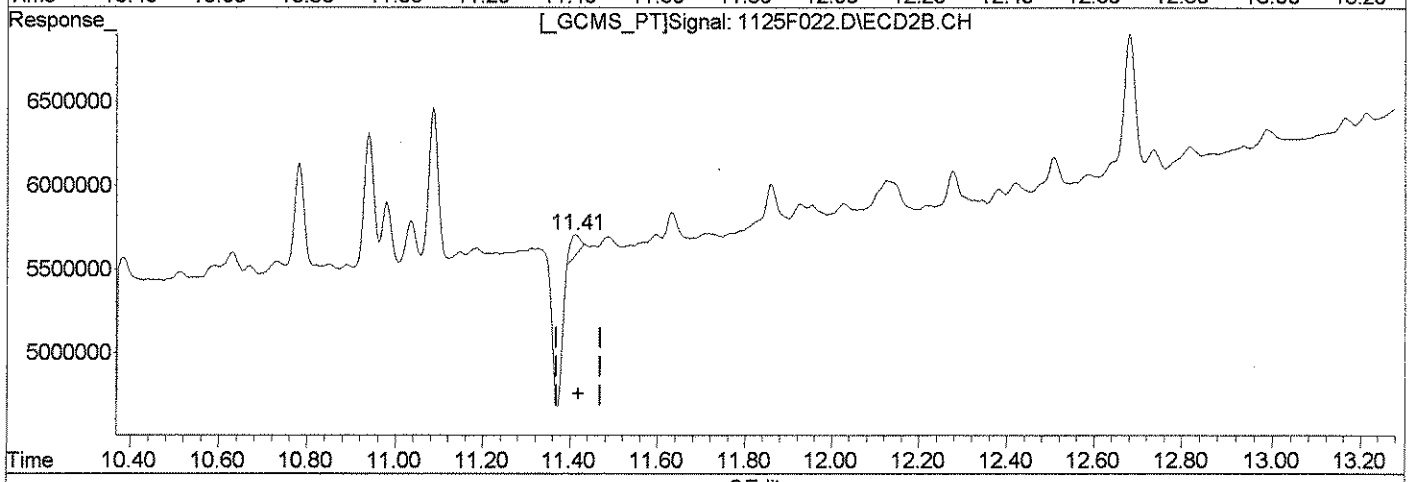
1125F022.D IS-GC23-101410-8081.M Fri Nov 26 11:42:14 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F022.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\112510\1125F022.D\ECD2B.CH
Acq On : 26 Nov 2010 12:04 am Operator: CCotnam
Sample : K1012914-019 | SL0020 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914019. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(16) 4,4'-DDE
12.24min 1.541ug/L
response 61268

(16) 4,4'-DDE #2
11.41min 0.746ug/L m
response 205869

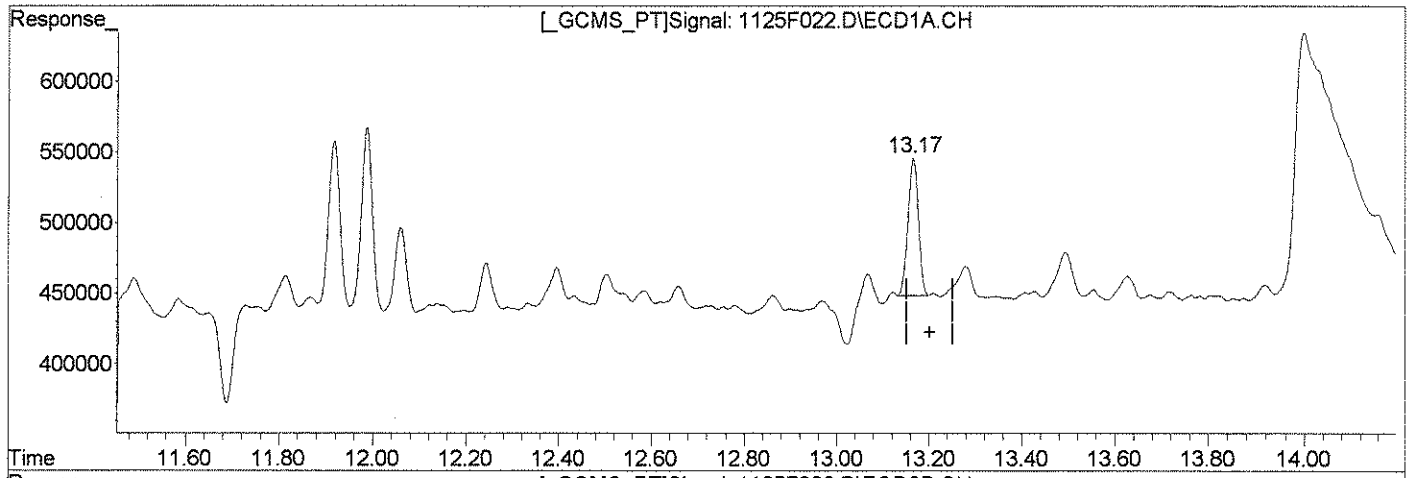
Manual Integration:
After
Baseline/Shoulder
11/26/10

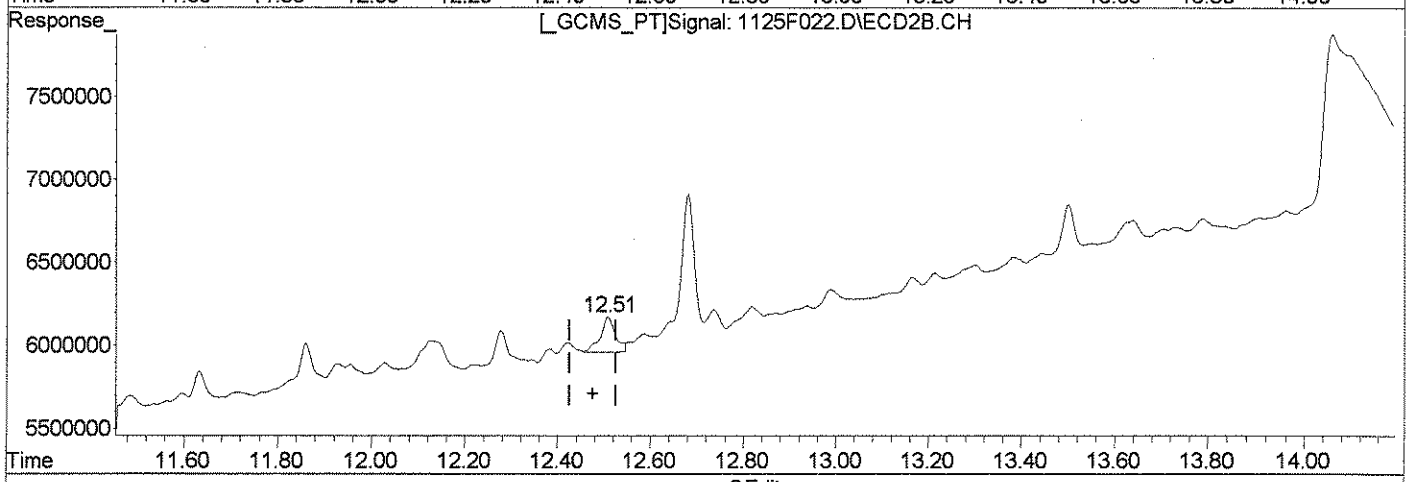
(+) = Expected Retention Time
1125F022.D IS-GC23-101410-8081.M Fri Nov 26 11:42:38 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F022.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\112510\1125F022.D\ECD2B.CH
Acq On : 26 Nov 2010 12:04 am Operator: CCotnam
Sample : K1012914-019 | SL0020 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914019. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(18) Endosulfan II

13.17min 3.922ug/L

response 153272

(18) Endosulfan II #2

12.51min 1.751ug/L

response 477407

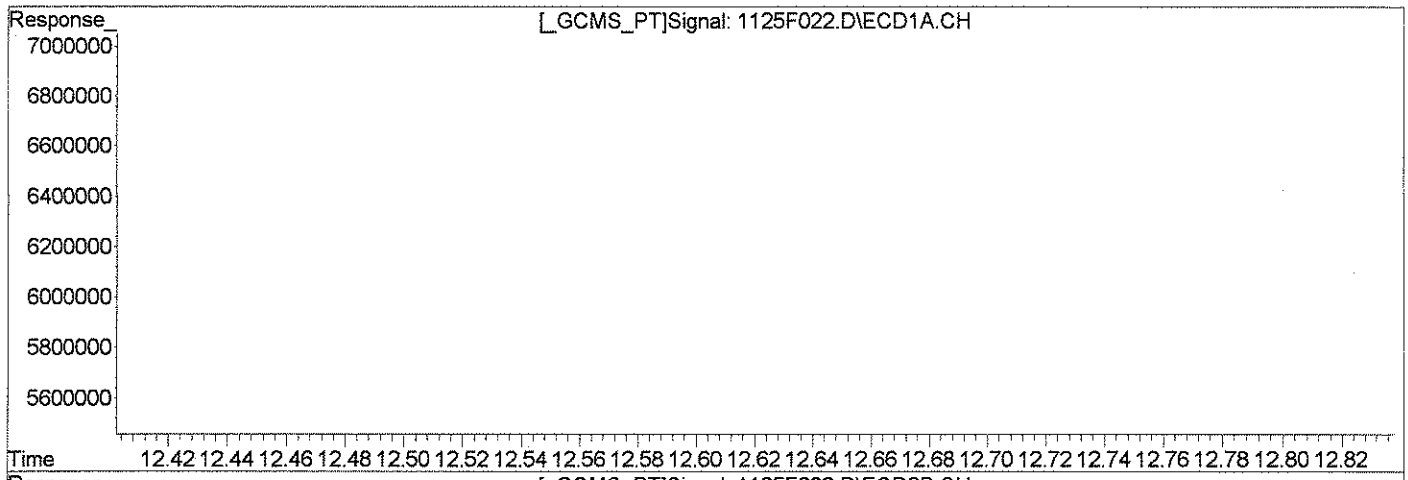
(+) = Expected Retention Time

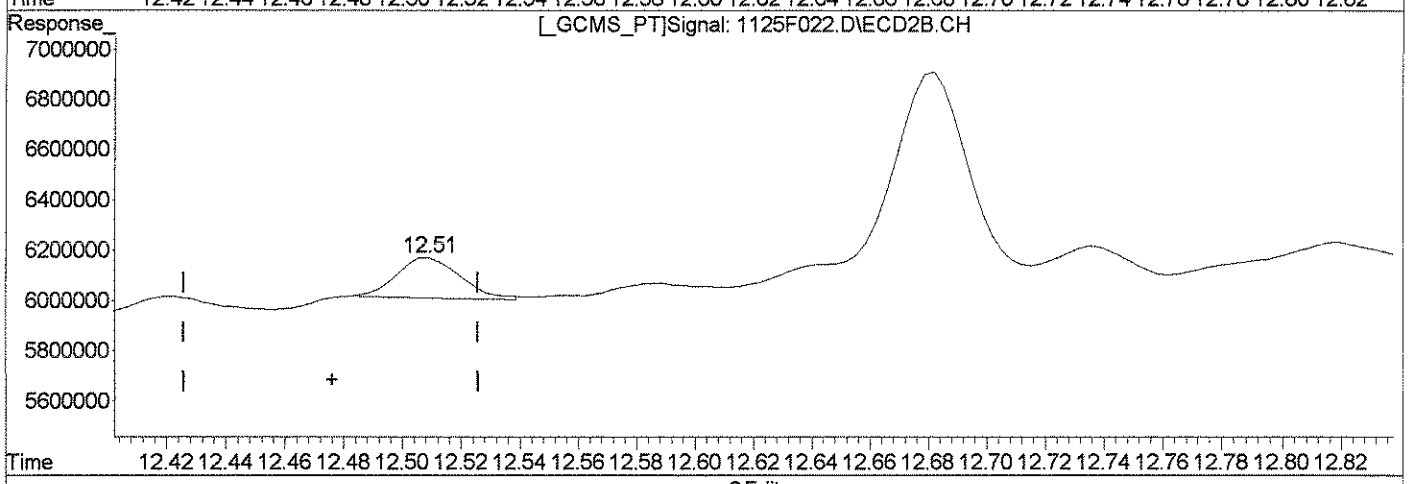
1125F022.D IS-GC23-101410-8081.M Fri Nov 26 11:42:44 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F022.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\112510\1125F022.D\ECD2B.CH
Acq On : 26 Nov 2010 12:04 am Operator: CCotnam
Sample : K1012914-019 | SL0020 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914019. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(18) Endosulfan II

13.17min 3.922ug/L

response 153272

(18) Endosulfan II #2

12.51min 0.882ug/L m

response 240453

Manual Integration:

After

Baseline/Shoulder

11/26/10

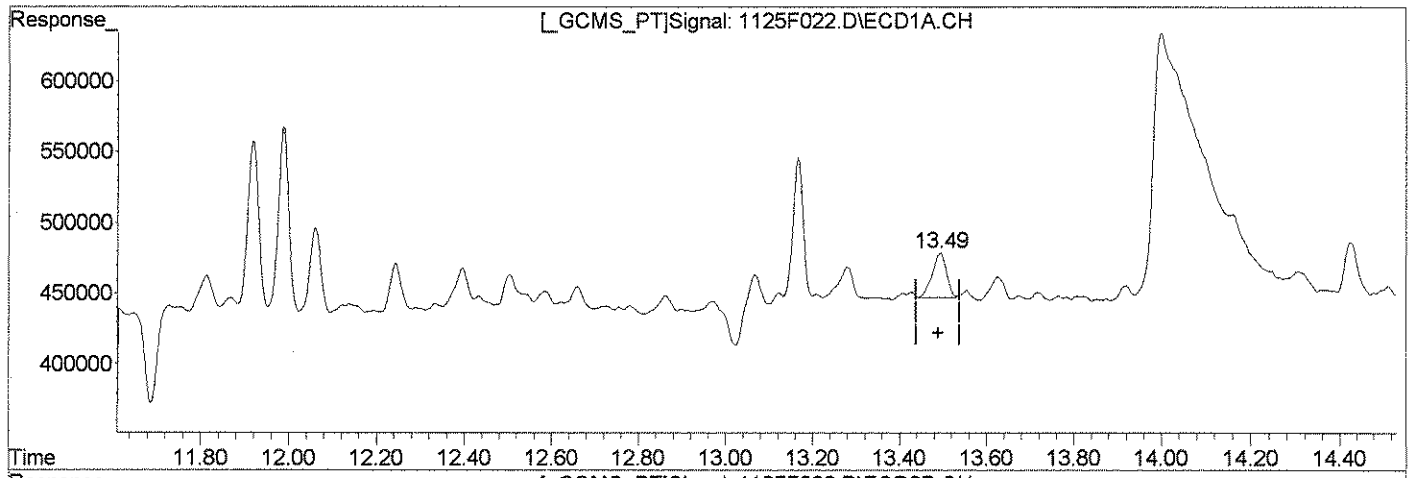
(+) = Expected Retention Time

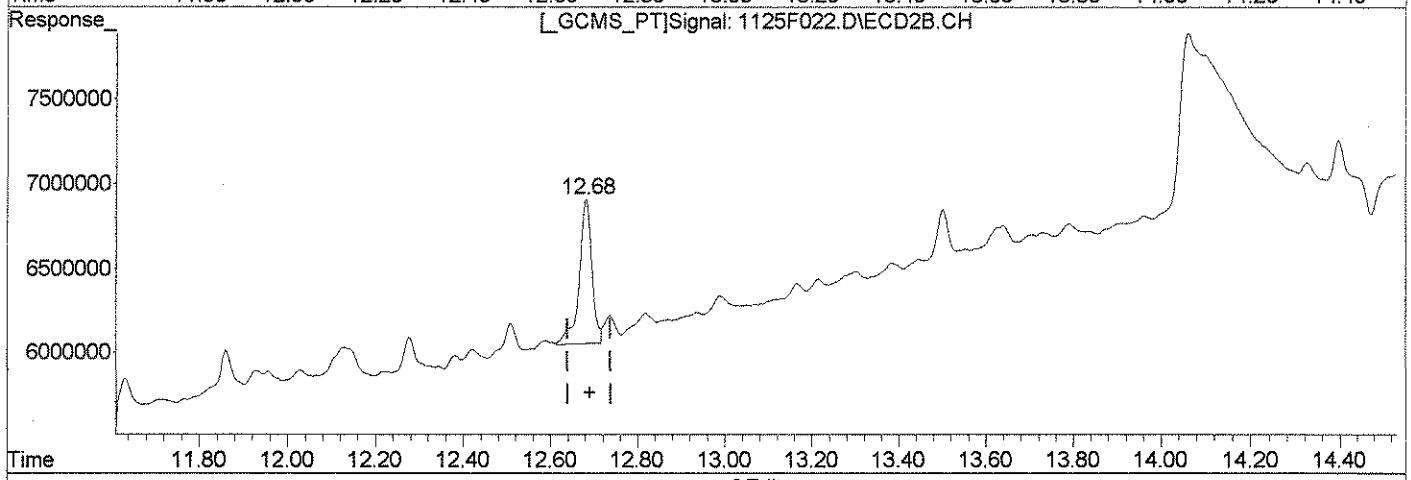
1125F022.D IS-GC23-101410-8081.M Fri Nov 26 11:42:51 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F022.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\112510\1125F022.D\ECD2B.CH
Acq On : 26 Nov 2010 12:04 am Operator: CCotnam
Sample : K1012914-019 | SL0020 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914019. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(22) 4,4'-DDT

13.49min 1.992ug/L

response 72203

(22) 4,4'-DDT #2

12.68min 7.482ug/L

response 1746552

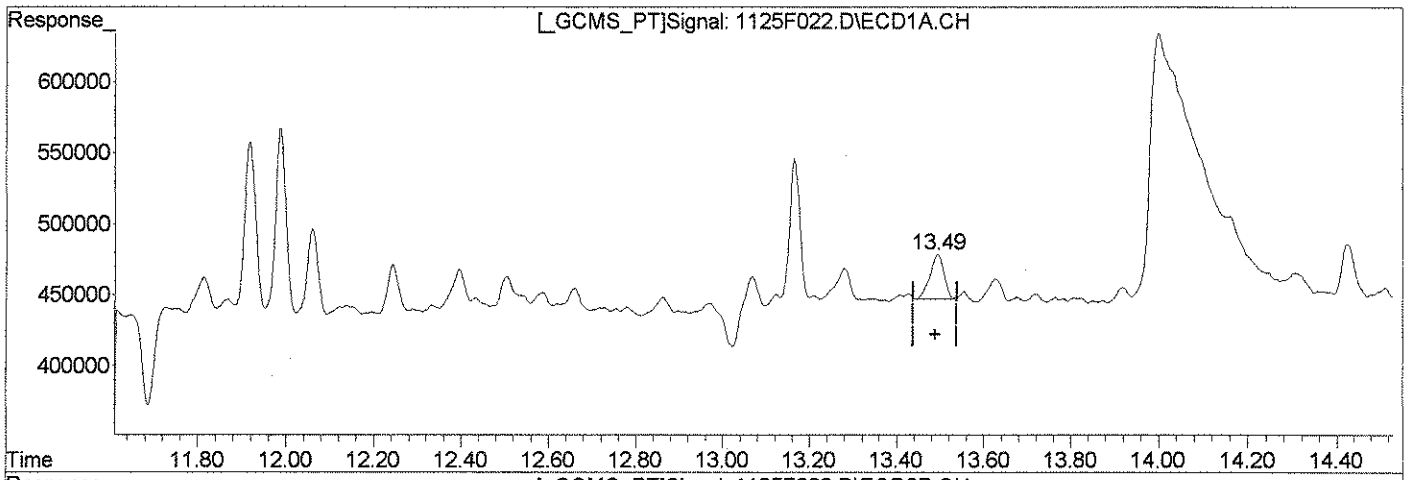
(+) = Expected Retention Time

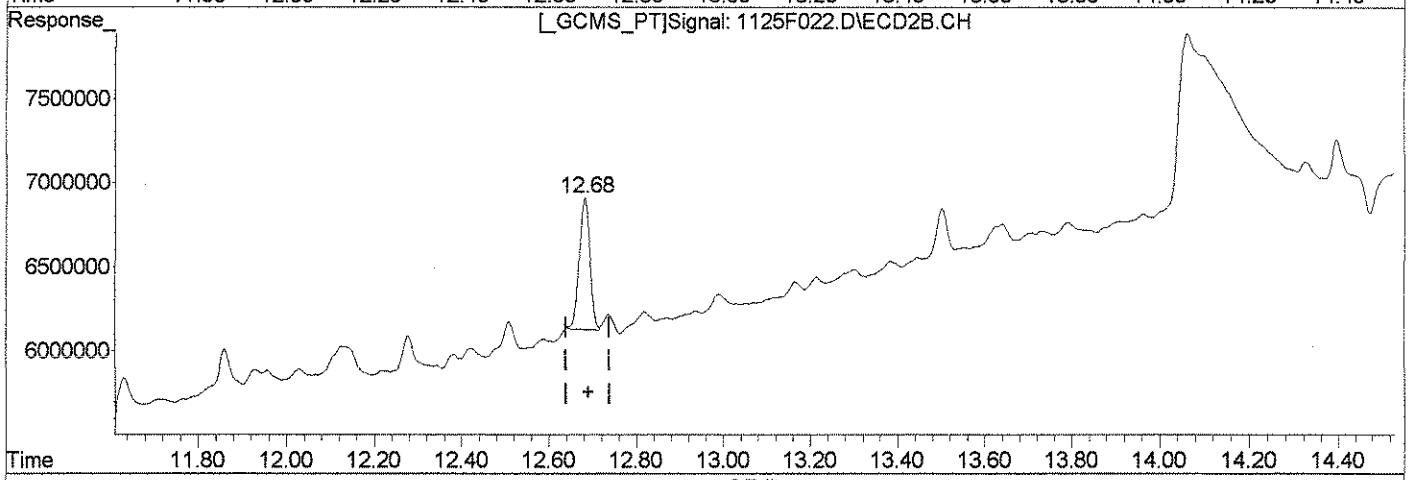
1125F022.D IS-GC23-101410-8081.M Fri Nov 26 11:43:00 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F022.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\112510\1125F022.D\ECD2B.CH
Acq On : 26 Nov 2010 12:04 am Operator: CCotnam
Sample : K1012914-019 | SL0020 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914019. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(22) 4,4'-DDT

13.49min 1.992ug/L

response 72203

(22) 4,4'-DDT #2

12.68min 5.640ug/L m

response 1316482

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F022.D IS-GC23-101410-8081.M Fri Nov 26 11:43:09 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	FW0001	**Units:**	ug/WIPE
Lab Code:	K1012914-029	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	70-130	11/26/10	Acceptable
Decachlorobiphenyl	86	70-130	11/26/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F035.D	**Date Acquired:**	11/26/2010 05:54
Lab ID:	K1012914-029	**Date Quantitated:**	11/26/2010 11:56
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.5	NA	15	nc
Lab Control Spike	Toxaphene {1}	59	70	130	mcw
	Toxaphene {5}	52	70	130	
	Chlordane {1}	68	70	130	
Duplicate Lab Control Spike	Toxaphene {1}	55	70	130	mcw
	Toxaphene {5}	62	70	130	
	Chlordane {1}	68	70	130	
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	aa
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: 12/1/2010

Secondary Review: MMDM

Exception Report

Data File:	J:\GC23\DATA\112510\1125F035.D\1125F035C.D	**Date Acquired:**	11/26/2010 05:54
Lab ID:	K1012914-029	**Date Quantitated:**	11/26/2010 11:56
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Lab Control Spike	Toxaphene {1}	59	70	130	MEMO
	Toxaphene {5}	52	70	130	
	Chlordane {1}	68	70	130	MEMO
Duplicate Lab Control Spike	Toxaphene {1}	55	70	130	
	Toxaphene {5}	62	70	130	
	Chlordane {1}	68	70	130	
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SK
	Chlordane {3}	10.95	NA	NA	CEMU
	Chlordane {4}	10.95	NA	NA	
	Chlordane {5}	11.05	NA	NA	
	Chlordane {6}	11.05	NA	NA	

Primary Review: CEMU

Secondary Review: MM

Exception Report

Data File:	J:\GC23\DATA\112510\1125F035.D\1125F035C.D	**Date Acquired:**	11/26/2010 05:54
Lab ID:	K1012914-029	**Date Quantitated:**	11/26/2010 11:56
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	WIPE
Prod Code:	8081A PEST_OC	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012935	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981939	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12115
MB Ref:	J:\GC23\DATA\112510\1125F030.D	**Method ID:**	MJ1010
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F035.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F035.D\1125F035c.d			**Vial:**	33
Acqu Date:	11/26/2010 05:54	**Quant Date:**	11/26/2010 11:56	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-029				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08 c	5.51	-0.06 c	1741679	12540208	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76	-0.07 c	5.51	-0.05 c	1741679	12540208	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76	-0.08 c	5.51	-0.06 c	1741679	12540208	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04	+0.01	7.06	2875984	18201606	75.96	71.31			76OK
						%Recovery =	76OK	71OK	Limits =	70-130	
1	Decachlorobiphenyl	16.50	+0.01	15.59	3561912	25058941	116.29 CCV	85.69			86OK
						%Recovery =	116OK	86OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	beta-BHC			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	gamma-BHC (Lindane)			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	delta-BHC			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	Heptachlor			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Aldrin			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endosulfan I			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Dieldrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F035.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F035.D\1125F035c.d			**Vial:**	33
Acqu Date:	11/26/2010 05:54	**Quant Date:**	11/26/2010 11:56	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-029				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	Endosulfan II			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDD			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endosulfan Sulfate			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDT			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
	Toxaphene			0	0	0.0000	68.08	2.5U	2.5U	2.5U
2	Toxaphene {1}		12.33 +0.02	0	82660	0.0000	18.34	2.5U	2.5U	
2	Toxaphene {2}		12.38	0	40219	0.0000	12.56	2.5U	2.5U	
2	Toxaphene {3}			0	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {4}		12.83 +0.01	0	436294	0.0000	155.12	2.5U	2.5U	
2	Toxaphene {5}		13.00 -0.02	0	68827	0.0000	37.89	2.5U	2.5U	
2	Toxaphene {6}		13.49 -0.01	0	506398	0.0000	116.47	2.5U	2.5U	
	Chlordane			0	0	0.0000	5.10	1.0U	1.0U	1.0U
3	Chlordane {1}		8.96	0	25893	0.0000	2.35	1.0U	1.0U	
3	Chlordane {2}		9.27 +0.03	0	29175	0.0000	2.02	1.0U	1.0U	
3	Chlordane {3}		10.95 +0.01c	0	39944	0.0000	1.30	1.0U	1.0U	
3	Chlordane {4}		10.95 -0.03 c	0	39944	0.0000	2.26	1.0U	1.0U	
3	Chlordane {5}		11.05 +0.02c	0	149561	0.0000	16.79	1.0U	1.0U	
3	Chlordane {6}		11.05 -0.03 c	0	149561	0.0000	5.88	1.0U	1.0U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F035.D\ECD1A.CH Vial: 33
Signal #2 : J:\GC23\DATA\112510\1125F035.D\ECD2B.CH
Acq On : 26 Nov 2010 5:54 am Operator: CCotnam
Sample : K1012914-029 | FW0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914029. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:57 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1741679	12540208	50.000	50.000	
26)		1-Bromo-2-nitrob	5.76	5.51	1741679	12540208	50.000	50.000	
33)		1-Bromo-2-nitrob	5.76	5.51	1741679	12540208	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.06	2875984	18201606	75.957	71.305	
25)	s	Decachlorobiphen	16.50	15.59	3561912	25058941	116.289	85.685	#
		Target Compounds							
27)		Toxaphene	0.00	12.33	0	82660	N.D.	18.342	#
28)		Toxaphene {2}	0.00	12.38	0	40219	N.D.	12.555	#
30)		Toxaphene {4}	0.00	12.83	0	436294	N.D.	155.123	#
31)		Toxaphene {5}	0.00	13.00	0	68827	N.D.	37.891	#
32)		Toxaphene {6}	0.00	13.49	0	506398	N.D.	116.472	#
34)		Chlordane	0.00	8.96	0	25893	N.D.	2.347	#
35)		Chlordane {2}	0.00	9.27	0	29175	N.D.	2.017	#
36)		Chlordane {3}	0.00	10.95	0	39944	N.D.	1.303	#
37)		Chlordane {4}	0.00	10.95f	0	39944	N.D.	2.255	#
38)		Chlordane {5}	0.00	11.05	0	149561	N.D.	16.794	#
39)		Chlordane {6}	0.00	11.05f	0	149561	N.D.	5.878	#

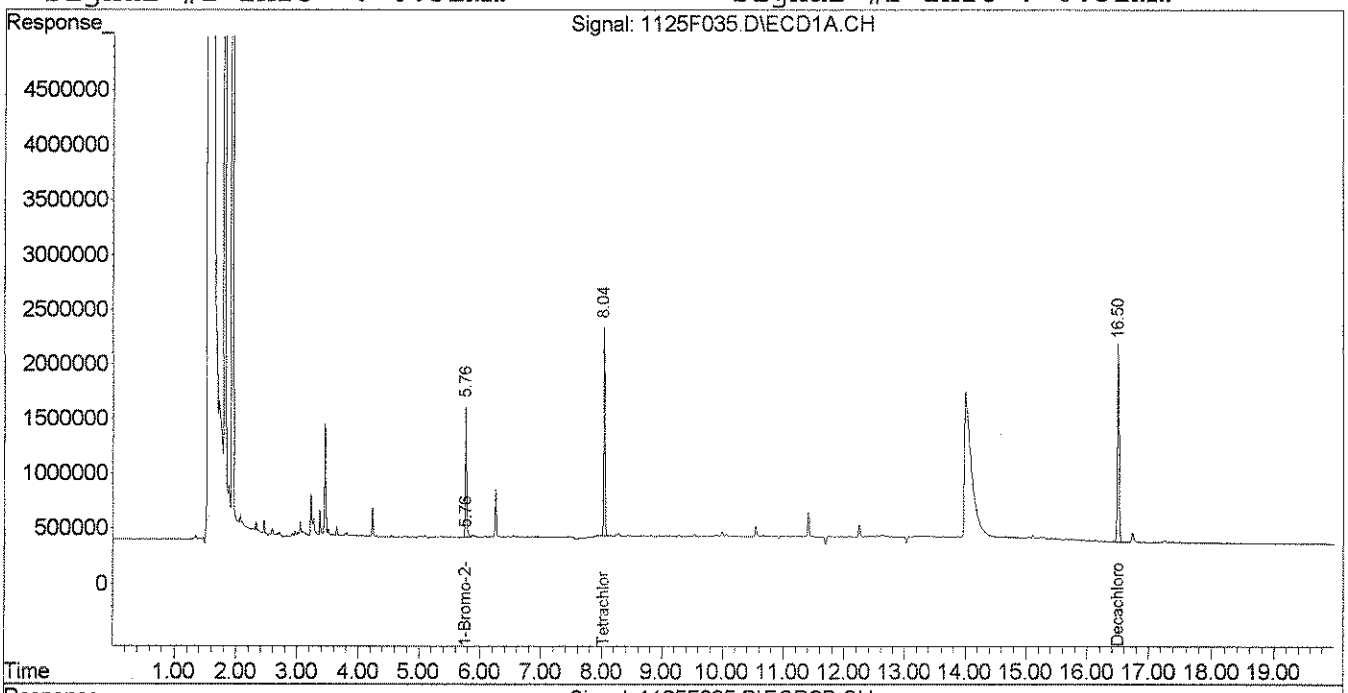
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

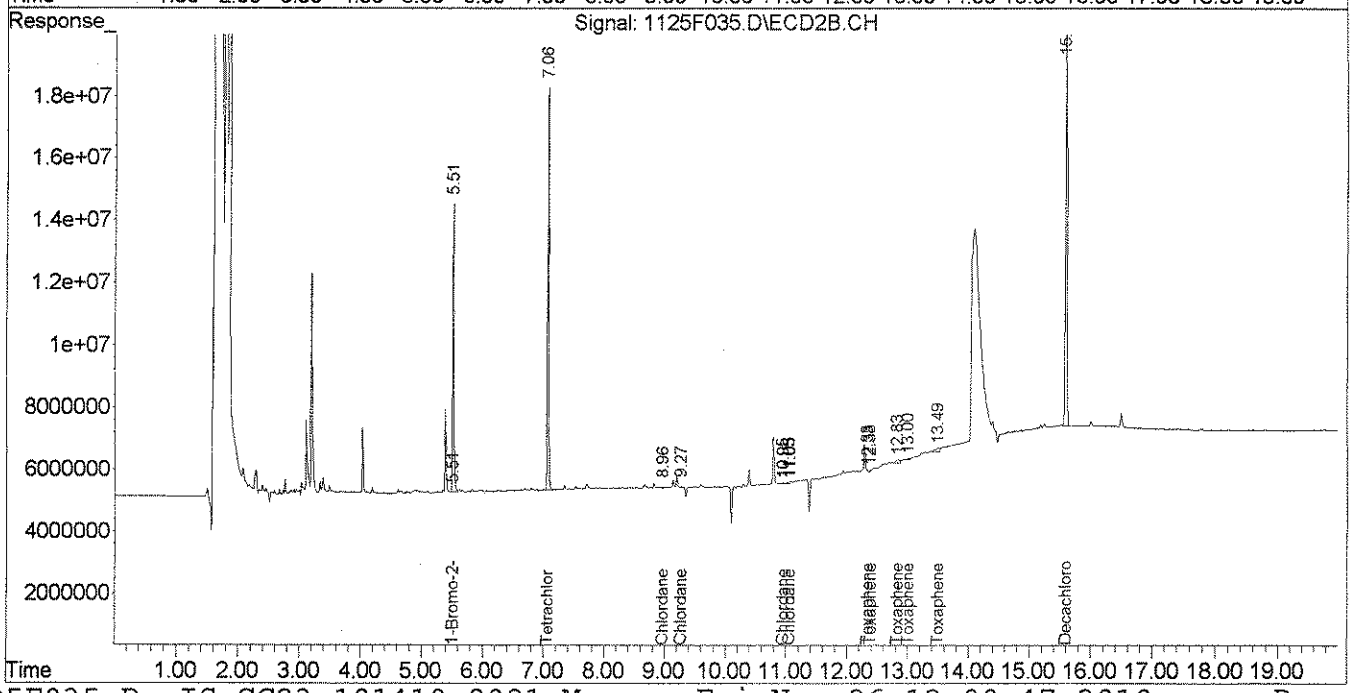
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F035.D\ECD1A.CH Vial: 33
Signal #2 : J:\GC23\DATA\112510\1125F035.D\ECD2B.CH
Acq On : 26 Nov 2010 5:54 am Operator: CCotnam
Sample : K1012914-029 | FW0001 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914029. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:56 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	FW0002	**Units:**	ug/WIPE
Lab Code:	K1012914-030	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	70-130	11/26/10	Acceptable
Decachlorobiphenyl	87	70-130	11/26/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F036.D	**Date Acquired:**	11/26/2010 06:20
Lab ID:	K1012914-030	**Date Quantitated:**	11/26/2010 11:57
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.5	NA	15	NO
Lab Control Spike	Toxaphene {1}	59	70	130	meaning
	Toxaphene {5}	52	70	130	
	Chlordane {1}	68	70	130	
Duplicate Lab Control Spike	Toxaphene {1}	55	70	130	meaning
	Toxaphene {5}	62	70	130	
	Chlordane {1}	68	70	130	
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	GA
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F036.D\1125F036C.D	**Date Acquired:**	11/26/2010 06:20
Lab ID:	K1012914-030	**Date Quantitated:**	11/26/2010 11:57
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Lab Control Spike	Toxaphene {1}	59	70	130	[illegible]
	Toxaphene {5}	52	70	130	
	Chlordane {1}	68	70	130	
Duplicate Lab Control Spike	Toxaphene {1}	55	70	130	[illegible]
	Toxaphene {5}	62	70	130	
	Chlordane {1}	68	70	130	
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	CA
	Chlordane {4}	11	NA	NA	[illegible]
	Chlordane {5}	11	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	CA
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	WIPE
Prod Code:	8081A PEST_OC	**Collect Date:**	11/16/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012935	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981940	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12115
MB Ref:	J:\GC23\DATA\112510\1125F030.D	**Method ID:**	MJ1010
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F036.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F036.D\1125F036c.d			**Vial:**	34
Acqu Date:	11/26/2010 06:20	**Quant Date:**	11/26/2010 11:57	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-030				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08 c	5.51	-0.06 c	1706705	12318658	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76	-0.07 c	5.51	-0.05 c	1706705	12318658	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76	-0.08 c	5.51	-0.06 c	1706705	12318658	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04	+0.01	7.06	2952164	18756436	79.57	74.80			80OK
					%Recovery =		80OK	75OK	Limits =	70-130	
1	Decachlorobiphenyl	16.49		15.59	3521528	24936761	117.33 CCV	86.80			87OK
					%Recovery =		117OK	87OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	beta-BHC			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	gamma-BHC (Lindane)			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	delta-BHC			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Heptachlor			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Aldrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endosulfan I			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Dieldrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F036.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F036.D\1125F036c.d			**Vial:**	34
Acqu Date:	11/26/2010 06:20	**Quant Date:**	11/26/2010 11:57	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-030				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	Endosulfan II			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDD			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endosulfan Sulfate			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDT			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
	Toxaphene			0	0	0.0000	23.98	2.5U	2.5U	2.5U
2	Toxaphene {1}		12.34 +0.03	0	26224	0.0000	5.92	2.5U	2.5U	
2	Toxaphene {2}		12.38	0	29772	0.0000	9.46	2.5U	2.5U	
2	Toxaphene {3}		12.59 +0.02	0	68469	0.0000	41.51	2.5U	2.5U	
2	Toxaphene {4}		12.84 +0.02	0	120300	0.0000	43.54	2.5U	2.5U	
2	Toxaphene {5}		13.00 -0.02	0	34732	0.0000	19.47	2.5U	2.5U	
2	Toxaphene {6}			0	0d	0.0000	0.0000	2.5U	2.5U	
	Chlordane			0	0	0.0000	2.64	1.0U	1.0U	1.0U
3	Chlordane {1}			0	0	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {2}		9.27 +0.03	0	29199	0.0000	2.06	1.0U	1.0U	
3	Chlordane {3}		10.90 -0.04	0	68287	0.0000	2.27	1.0U	1.0U	
3	Chlordane {4}		11.00 +0.02c	0	36298	0.0000	2.09	1.0U	1.0U	
3	Chlordane {5}		11.00 -0.03c	0	36298	0.0000	4.15	1.0U	1.0U	
3	Chlordane {6}			0	0	0.0000	0.0000	1.0U	1.0U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F036.D\ECD1A.CH Vial: 34
Signal #2 : J:\GC23\DATA\112510\1125F036.D\ECD2B.CH
Acq On : 26 Nov 2010 6:20 am Operator: CCotnam
Sample : K1012914-030 | FW0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914030. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:58 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1706705	12318658	50.000	50.000	
26)		1-Bromo-2-nitrob	5.76	5.51	1706705	12318658	50.000	50.000	
33)		1-Bromo-2-nitrob	5.76	5.51	1706705	12318658	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.06	2952164	18756436	79.567	74.800	
25)	s	Decachlorobiphen	16.49f	15.59	3521528	24936761	117.327	86.801	#
		Target Compounds							
27)		Toxaphene	0.00	12.34f	0	26224	N.D.	5.924	#
28)		Toxaphene {2}	0.00	12.38	0	29772	N.D.	9.461	#
29)		Toxaphene {3}	0.00	12.59	0	68469	N.D.	41.511	#
30)		Toxaphene {4}	0.00	12.84	0	120300	N.D.	43.542	#
31)		Toxaphene {5}	0.00	13.00f	0	34732	N.D.	19.465	#
35)		Chlordane {2}	0.00	9.27	0	29199	N.D.	2.055	#
36)		Chlordane {3}	0.00	10.90f	0	68287	N.D.	2.268	#
37)		Chlordane {4}	0.00	11.00	0	36298	N.D.	2.086	#
38)		Chlordane {5}	0.00	11.00f	0	36298	N.D.	4.149	#

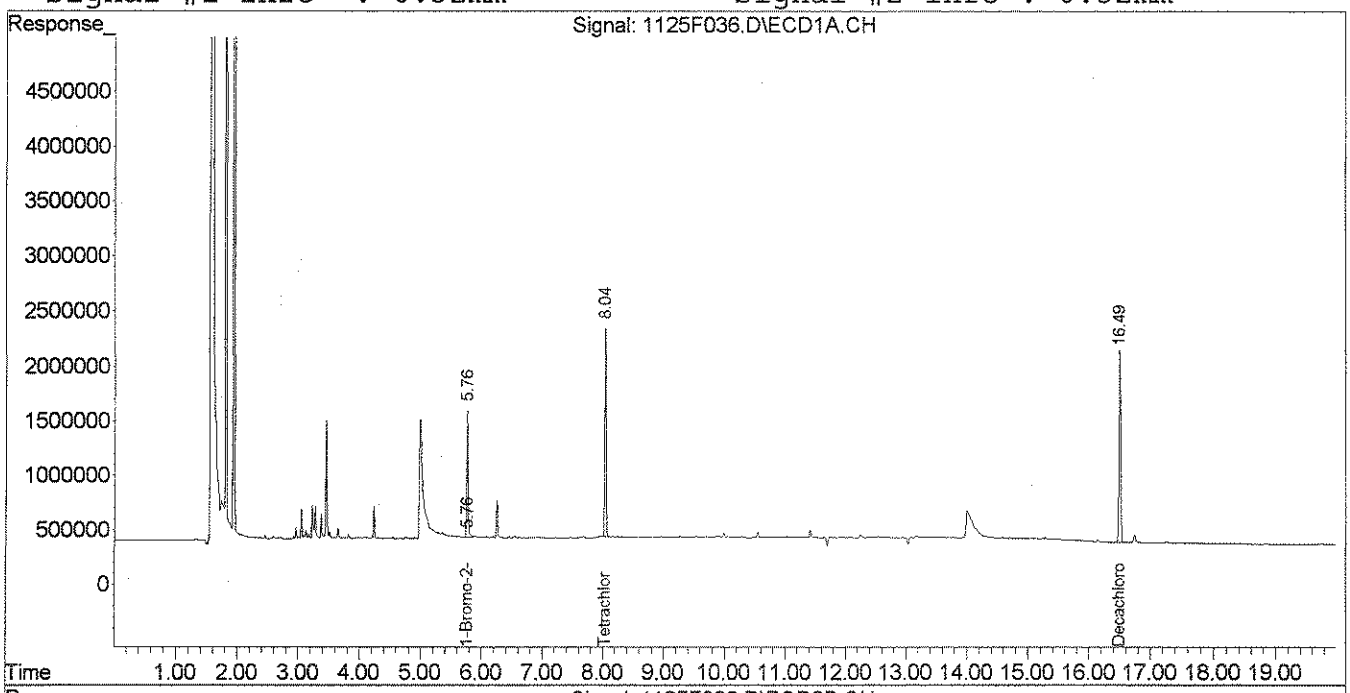
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

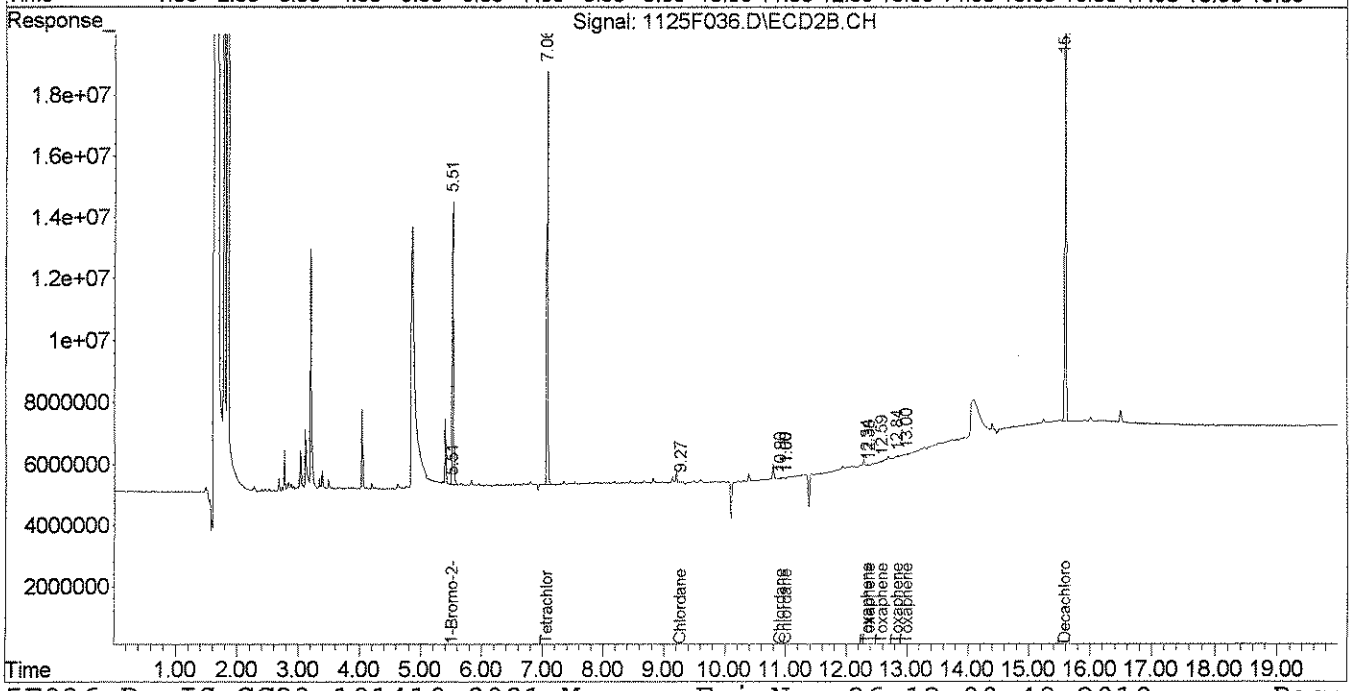
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F036.D\ECD1A.CH Vial: 34
Signal #2 : J:\GC23\DATA\112510\1125F036.D\ECD2B.CH
Acq On : 26 Nov 2010 6:20 am Operator: CCotnam
Sample : K1012914-030 | FW0002 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914030. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:57 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	FW0003	**Units:**	ug/WIPE
Lab Code:	K1012914-031	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	70-130	11/26/10	Acceptable
Decachlorobiphenyl	85	70-130	11/26/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F037.D	**Date Acquired:**	11/26/2010 06:47
Lab ID:	K1012914-031	**Date Quantitated:**	11/26/2010 11:58
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.5	NA	15	ND
Lab Control Spike	Toxaphene {1}	59	70	130	mcuy
	Toxaphene {5}	52	70	130	
	Chlordane {1}	68	70	130	
Duplicate Lab Control Spike	Toxaphene {1}	55	70	130	mcuy
	Toxaphene {5}	62	70	130	
	Chlordane {1}	68	70	130	
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	GX
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: 11/29/10

Secondary Review: 12/9/10

Exception Report

Data File:	J:\GC23\DATA\112510\1125F037.D\1125F037C.D	**Date Acquired:**	11/26/2010 06:47
Lab ID:	K1012914-031	**Date Quantitated:**	11/26/2010 11:58
RunType:	SMPL	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Lab Control Spike	Toxaphene {1}	59	70	130	MCM
	Toxaphene {5}	52	70	130	
	Chlordane {1}	68	70	130	
Duplicate Lab Control Spike	Toxaphene {1}	55	70	130	MCM
	Toxaphene {5}	62	70	130	
	Chlordane {1}	68	70	130	
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	Chlordane {3}	10.94	NA	NA	Cesd
	Chlordane {4}	10.94	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible] MGP

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	WIPE
Prod Code:	8081A PEST_OC	**Collect Date:**	11/16/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012935	**Report Group:**	K1012914
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981941	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ12115
MB Ref:	J:\GC23\DATA\112510\1125F030.D	**Method ID:**	MJ1010
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F037.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F037.D\1125F037c.d			**Vial:**	35
Acqu Date:	11/26/2010 06:47	**Quant Date:**	11/26/2010 11:58	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-031				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08 c	5.51	-0.06 c	1770140	12576727	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76	-0.07 c	5.51	-0.05 c	1770140	12576727	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76	-0.08 c	5.51	-0.06 c	1770140	12576727	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04	+0.01	7.06	3335976	20935701	86.69	81.78			87OK
					%Recovery =		87OK	82OK	Limits =	70-130	
1	Decachlorobiphenyl	16.50	+0.01	15.59	3572363	24914388	114.76 CCV	84.94			85OK
					%Recovery =		115OK	85OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	beta-BHC			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	gamma-BHC (Lindane)			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	delta-BHC			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	Heptachlor			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Aldrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endosulfan I			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Dieldrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
c: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F037.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F037.D\1125F037c.d			**Vial:**	35
Acqu Date:	11/26/2010 06:47	**Quant Date:**	11/26/2010 11:58	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ug/L
Lab ID:	K1012914-031				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	Endosulfan II			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDD			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endosulfan Sulfate			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDT			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
	Toxaphene			0	0	0.0000	59.94	2.5U	2.5U	2.5U
2	Toxaphene {1}			0	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {2}			0	0	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {3}			0	0	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {4}		12.84 +0.02	0	333063	0.0000	118.08	2.5U	2.5U	
2	Toxaphene {5}		13.01 -0.01	0	81305	0.0000	44.63	2.5U	2.5U	
2	Toxaphene {6}		13.50	0	74619	0.0000	17.11	2.5U	2.5U	
	Chlordane			0	0	25.24	3.98	1.0U	1.0U	1.0U
3	Chlordane {1}	9.87	8.96	44699	48160	25.24	4.35	1.0U	1.0U	
3	Chlordane {2}		9.27 +0.03	0	44934	0.0000	3.10	1.0U	1.0U	
3	Chlordane {3}		10.94 c	0	30559	0.0000	0.9940	1.0U	1.0U	
3	Chlordane {4}		10.94 -0.04 c	0	30559	0.0000	1.72	1.0U	1.0U	
3	Chlordane {5}		11.02 -0.01	0	91569	0.0000	10.25	1.0U	1.0U	
3	Chlordane {6}		11.08	0	88255	0.0000	3.46	1.0U	1.0U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F037.D\ECD1A.CH Vial: 35
Signal #2 : J:\GC23\DATA\112510\1125F037.D\ECD2B.CH
Acq On : 26 Nov 2010 6:47 am Operator: CCotnam
Sample : K1012914-031 | FW0003 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914031. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:59 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1770140	12576727	50.000	50.000	
26)		1-Bromo-2-nitrob	5.76	5.51	1770140	12576727	50.000	50.000	
33)		1-Bromo-2-nitrob	5.76	5.51	1770140	12576727	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.06	3335976	20935701	86.690	81.778	
25)	s	Decachlorobiphen	16.50	15.59	3572363	24914388	114.755	84.943	#
		Target Compounds							
30)		Toxaphene {4}	0.00	12.84	0	333063	N.D.	118.076	#
31)		Toxaphene {5}	0.00	13.01	0	81305	N.D.	44.630	#
32)		Toxaphene {6}	0.00	13.50	0	74619	N.D.	17.113	#
34)		Chlordane	9.87	8.96	44699	48160	25.240	4.352	#
35)		Chlordane {2}	0.00	9.27	0	44934	N.D.	3.097	#
36)		Chlordane {3}	0.00	10.94	0	30559	N.D.	0.994	#
37)		Chlordane {4}	0.00	10.94f	0	30559	N.D.	1.720	#
38)		Chlordane {5}	0.00	11.02	0	91569	N.D.	10.252	#
39)		Chlordane {6}	0.00	11.08	0	88255	N.D.	3.458	#

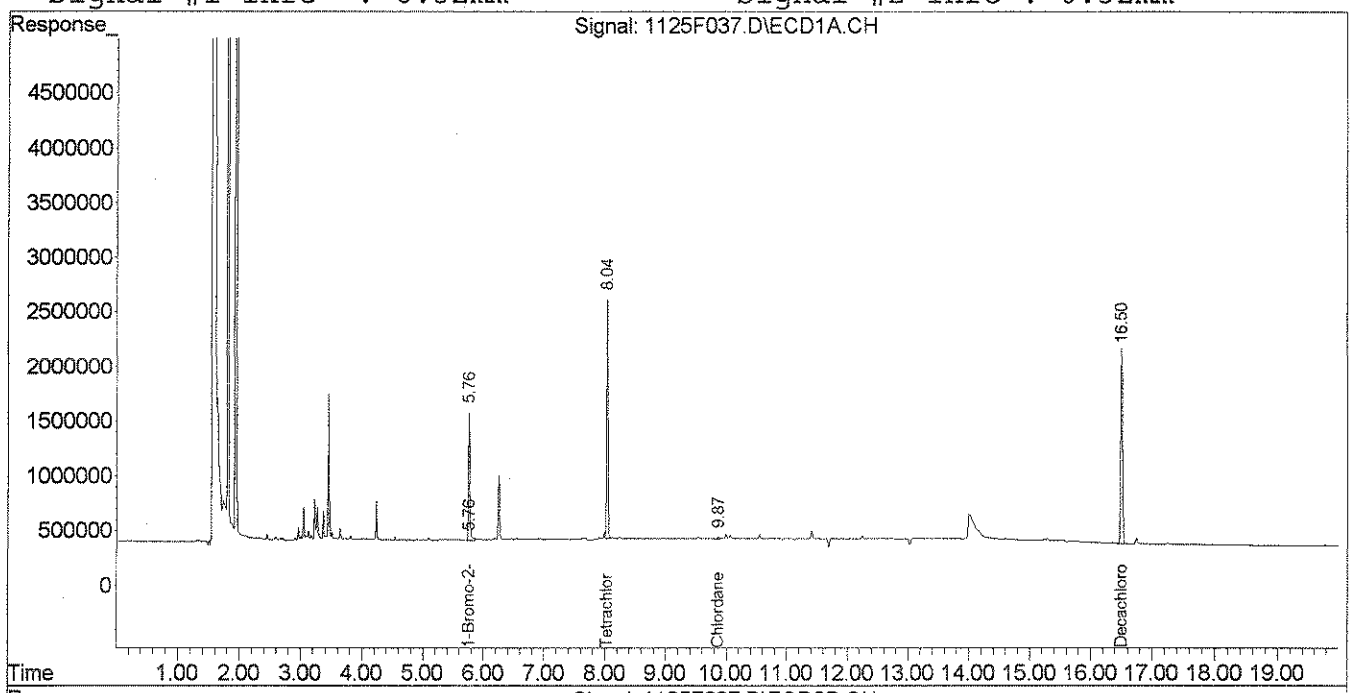
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

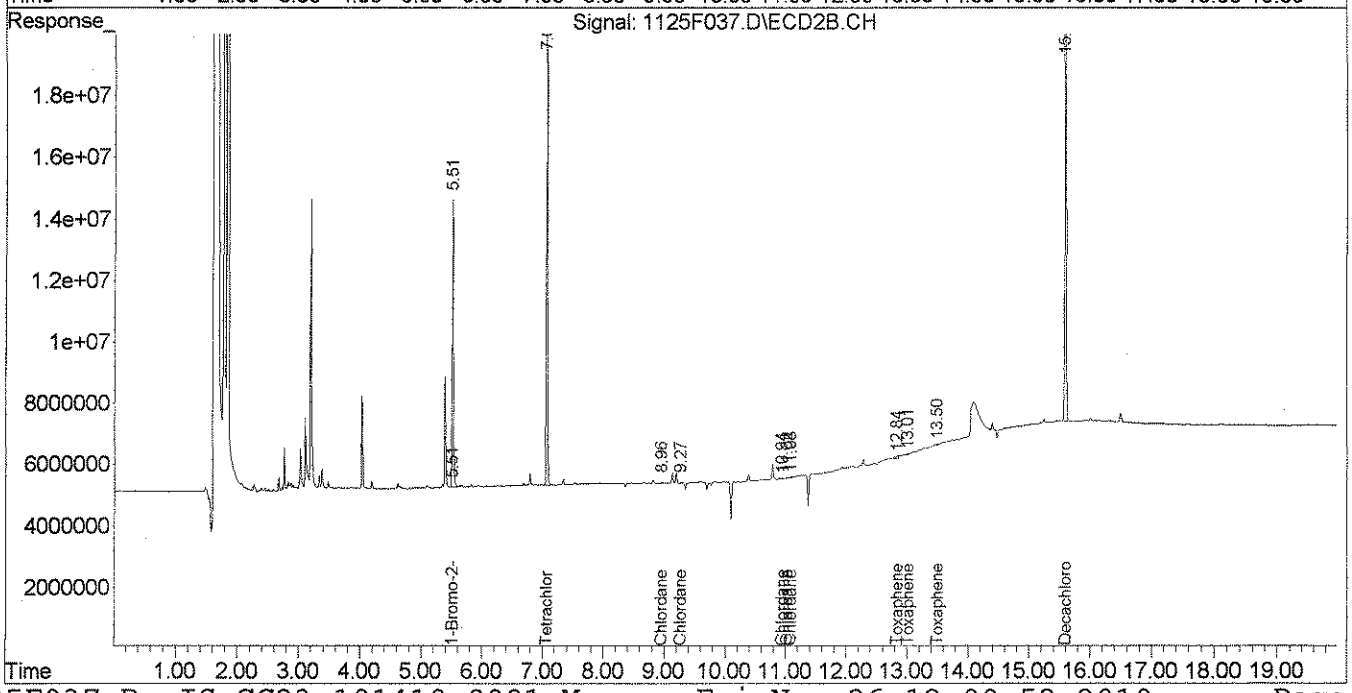
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F037.D\ECD1A.CH Vial: 35
Signal #2 : J:\GC23\DATA\112510\1125F037.D\ECD2B.CH
Acq On : 26 Nov 2010 6:47 am Operator: CCotnam
Sample : K1012914-031 | FW0003 Inst : GC23
Misc : KELSO\SEMIVOA GC\8081A-PEST_OC\12914031. Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:58 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012933-7	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.5	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	2.5	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.5	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	2.5	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	2.5	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	2.5	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.5	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	2.5	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	2.5	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	2.5	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	2.5	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	2.5	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	2.5	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	2.5	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.5	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	U	2.5	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	130	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	50	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	21-112	11/25/10	Acceptable
Decachlorobiphenyl	77	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F008.D	**Date Acquired:**	11/25/2010 17:48
Lab ID:	KWG1012933-7	**Date Quantitated:**	11/26/2010 11:16
RunType:	MB	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	NO
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Exception Report

Data File: J:\GC23\DATA\112510\1125F008.D\1125F008C.D
Lab ID: KWG1012933-7
RunType: MB
Matrix: SEDIMENT

Date Acquired: 11/25/2010 17:48
Date Quantitated: 11/26/2010 11:16
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981926	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:		**Method ID:**	MJ1016
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F008.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F008.D\1125F008c.d			**Vial:**	13
Acqu Date:	11/25/2010 17:48	**Quant Date:**	11/26/2010 11:16	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-7				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76 -0.08 c	5.51 -0.06 c	1611237	11603251	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76 -0.07 c	5.51 -0.05 c	1611237	11603251	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76 -0.08 c	5.51 -0.06 c	1611237	11603251	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.03 -0.01	7.06	2629060	16673656	75.06	70.59			75OK
				%Recovery =		75OK	71OK	Limits =	21-112	
1	Decachlorobiphenyl	16.49	15.59	2894252	20894066	102.14 CCV	77.21			77OK
				%Recovery =		102OK	77OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC			0	0	0.0000	0.0000	0.35U	0.35U	0.35U
1	Hexachlorobenzene			0	0d	0.0000	0.0000	0.47U	0.47U	0.47U
1	beta-BHC			0	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)			0	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC			0	0	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor			0	0d	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin			0	0	0.0000	0.0000	0.34U	0.34U	0.34U
1	Isodrin			0	0d	0.0000	0.0000	0.30U	0.30U	0.30U
1	Heptachlor Epoxide			0	0d	0.0000	0.0000	0.39U	0.39U	0.39U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F008.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F008.D\1125F008c.d			**Vial:**	13
Acqu Date:	11/25/2010 17:48	**Quant Date:**	11/26/2010 11:16	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-7				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	gamma-Chlordane			0	0	0.0000	0.0000	0.60U	0.60U	0.60U
1	Endosulfan I			0	0d	0.0000	0.0000	1.7U	1.7U	1.7U
1	alpha-Chlordane			0	0d	0.0000	0.0000	1.2U	1.2U	1.2U
1	Dieldrin			0	0d	0.0000	0.0000	0.48U	0.48U	0.48U
1	4,4'-DDE			0d	0d	0.0000	0.0000	1.6U	1.6U	1.6U
1	Endrin			0	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	Endosulfan II			0d	0d	0.0000	0.0000	0.86U	0.86U	0.86U
1	4,4'-DDD			0	0d	0.0000	0.0000	1.0U	1.0U	1.0U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate			0	0d	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT			0	0d	0.0000	0.0000	0.85U	0.85U	0.85U
1	Endrin Ketone			0	0d	0.0000	0.0000	0.55U	0.55U	0.55U
1	Methoxychlor			0d	0d	0.0000	0.0000	0.61U	0.61U	0.61U
	Toxaphene			0	0	0.0000	0.0000	37U	37U	37U
2	Toxaphene {1}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {2}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {3}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {4}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {5}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {6}			0d	0d	0.0000	0.0000	37U	37U	
	Chlordane			0	0	0.0000	0.0000	22U	22U	22U
3	Chlordane {1}			0	0	0.0000	0.0000	22U	22U	
3	Chlordane {2}			0	0d	0.0000	0.0000	22U	22U	
3	Chlordane {3}			0	0	0.0000	0.0000	22U	22U	
3	Chlordane {4}			0	0	0.0000	0.0000	22U	22U	
3	Chlordane {5}			0	0	0.0000	0.0000	22U	22U	
3	Chlordane {6}			0	0d	0.0000	0.0000	22U	22U	
4	Chlorpyrifos			0d	0d	0.0000	0.0000	0.66U	0.66U	0.66U
4	Oxychlordane			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	cis-Nonachlor			0d	0d	0.0000	0.0000	0.57U	0.57U	0.57U
4	trans-Nonachlor			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
4	Mirex			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	Hexachloroethane			0d	0d	0.0000	0.0000	0.47U	0.47U	0.47U
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.94U	0.94U	0.94U
5	2,4'-DDD			0d	0d	0.0000	0.0000	1.4U	1.4U	1.4U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.50U	0.50U	0.50U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.34 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F008.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F008.D\1125F008c.d			**Vial:**	13
Acqu Date:	11/25/2010 17:48	**Quant Date:**	11/26/2010 11:16	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-7				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F008.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\112510\1125F008.D\ECD2B.CH
Acq On : 25 Nov 2010 5:48 pm Operator: CCotnam
Sample : KWG1012933-7 | MB | 8081A PEST_OC | SEDI Inst : GC23
Misc : SEMIVOA GC\W1012933\7-MB.H | F=10 D=1 A= Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:28 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.76	5.51	1611237	11603251	50.000	50.000
26)		1-Bromo-2-nitrob	5.76	5.51	1611237	11603251	50.000	50.000
33)		1-Bromo-2-nitrob	5.76	5.51	1611237	11603251	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.03	7.06	2629060	16673656	75.057	70.594
25)	s	Decachlorobiphen	16.49f	15.59	2894252	20894066	102.141	77.213
		Target Compounds						

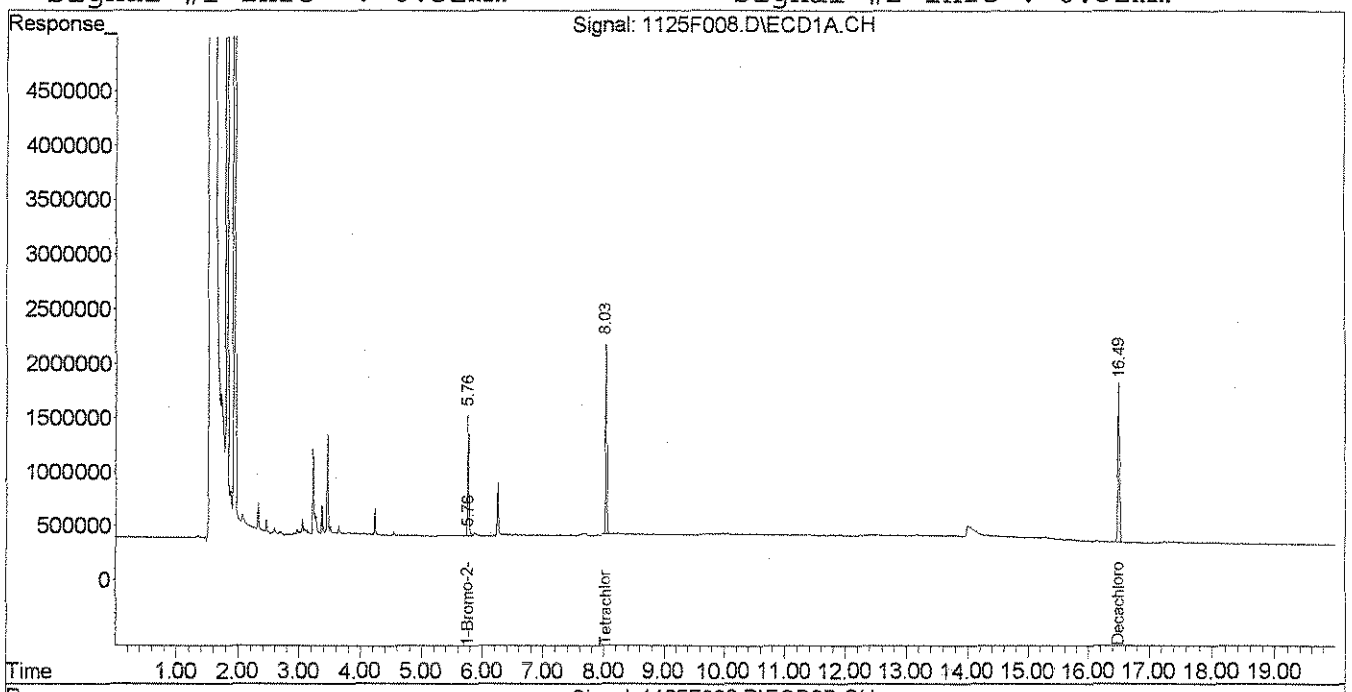
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

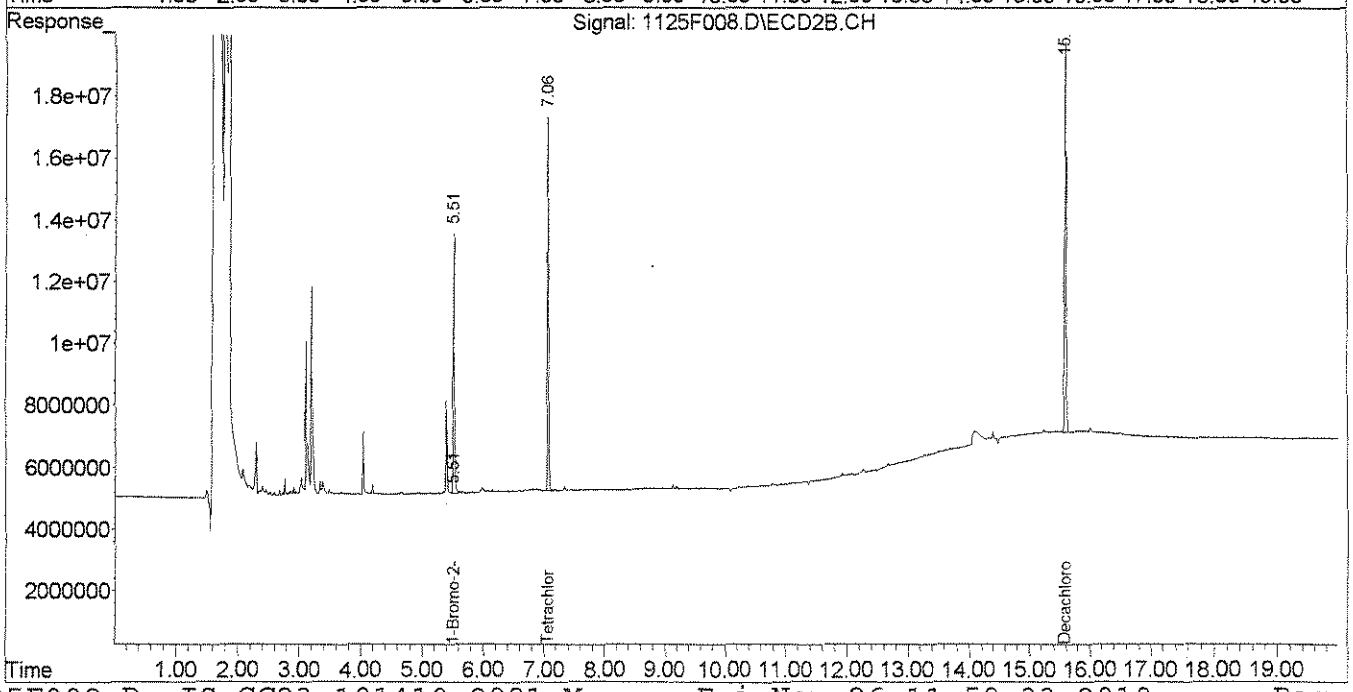
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F008.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\112510\1125F008.D\ECD2B.CH
Acq On : 25 Nov 2010 5:48 pm Operator: CCotnam
Sample : KWG1012933-7 | MB | 8081A PEST_OC | SEDI Inst : GC23
Misc : SEMIVOA GC\W1012933\7-MB.H | F=10 D=1 A= Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:16 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Method Blank	**Units:**	ug/WIPE
Lab Code:	KWG1012935-1	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	70-130	11/26/10	Acceptable
Decachlorobiphenyl	86	70-130	11/26/10	Acceptable

Comments:

Exception Report

Data File: J:\GC23\DATA\112510\1125F030.D
Lab ID: KWG1012935-1
RunType: MB
Matrix: WIPE

Date Acquired: 11/26/2010 03:39
Date Quantitated: 11/26/2010 11:49
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.5	NA	15	NO
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F030.D\1125F030C.D	**Date Acquired:**	11/26/2010 03:39
Lab ID:	KWG1012935-1	**Date Quantitated:**	11/26/2010 11:49
RunType:	MB	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	5x
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: 11/29/10

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WIPE
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012935	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981942	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:		**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F030.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F030.D\1125F030c.d			**Vial:**	28
Acqu Date:	11/26/2010 03:39	**Quant Date:**	11/26/2010 11:49	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012935-1				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08 c	5.51	-0.06 c	1681031	12096054	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76	-0.07 c	5.51	-0.05 c	1681031	12096054	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76	-0.08 c	5.51	-0.06 c	1681031	12096054	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}					0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}					0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04	+0.01	7.06	2716954	17171315	74.35	69.74			74OK
					%Recovery =		74OK	70OK	Limits =	70-130	
1	Decachlorobiphenyl	16.50	+0.01	15.59	3414907	24139526	115.51 CCV	85.57			86OK
					%Recovery =		116OK	86OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	Hexachlorobenzene			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	beta-BHC			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	gamma-BHC (Lindane)			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	delta-BHC			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	Heptachlor			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	Aldrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Isodrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F030.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F030.D\1125F030c.d			**Vial:**	28
Acqu Date:	11/26/2010 03:39	**Quant Date:**	11/26/2010 11:49	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012935-1				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endosulfan I			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	alpha-Chlordane			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Dieldrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endrin			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endosulfan II			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDD			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endrin Aldehyde			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endosulfan Sulfate			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	4,4'-DDT			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Endrin Ketone			0	0	0.0000	0.0000	0.050U	0.050U	0.050U
1	Methoxychlor			0	0d	0.0000	0.0000	0.050U	0.050U	0.050U
	Toxaphene			0	0	108.35	52.83	2.5U	2.5U	2.5U
2	Toxaphene {1}	12.53 -0.02	12.34 +0.03	25213	58645	108.35	13.49	2.5U	2.5U	
2	Toxaphene {2}		12.43 +0.05	0	195402	0.0000	63.24	2.5U	2.5U	
2	Toxaphene {3}			0	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {4}		12.84 +0.02	0	102865	0.0000	37.92	2.5U	2.5U	
2	Toxaphene {5}			0	0	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {6}		13.49 -0.01	0	405504	0.0000	96.69	2.5U	2.5U	
	Chlordane			0	0	0.0000	6.10	1.0U	1.0U	1.0U
3	Chlordane {1}		8.92 -0.04	0	44493	0.0000	4.18	1.0U	1.0U	
3	Chlordane {2}		9.19 -0.05	0	158093	0.0000	11.33	1.0U	1.0U	
3	Chlordane {3}			0	0	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {4}			0	0	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {5}			0	0	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {6}		11.08	0	68160	0.0000	2.78	1.0U	1.0U	
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
5	2,4'-DDD			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F030.D\ECD1A.CH Vial: 28
Signal #2 : J:\GC23\DATA\112510\1125F030.D\ECD2B.CH
Acq On : 26 Nov 2010 3:39 am Operator: CCotnam
Sample : KWG1012935-1 | MB | 8081A PEST_OC | WIPE Inst : GC23
Misc : SEMIVOA GC\W1012935\1-MB.H | F=10 D=1 A= Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:52 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1681031	12096054	50.000	50.000	
26)		1-Bromo-2-nitrob	5.76	5.51	1681031	12096054	50.000	50.000	
33)		1-Bromo-2-nitrob	5.76	5.51	1681031	12096054	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.06	2716954	17171315	74.346	69.739	
25)	s	Decachlorobiphen	16.50f	15.59	3414907	24139526	115.512	85.572	#
		Target Compounds							
27)		Toxaphene	12.53f	12.34f	25213	58645	108.345	13.491	#
28)		Toxaphene {2}	0.00	12.43f	0	195402	N.D.	63.236	#
30)		Toxaphene {4}	0.00	12.84	0	102865	N.D.	37.916	#
32)		Toxaphene {6}	0.00	13.49	0	405504	N.D.	96.691	#
34)		Chlordane	0.00	8.92f	0	44493	N.D.	4.181	#
35)		Chlordane {2}	0.00	9.19f	0	158093	N.D.	11.331	#
39)		Chlordane {6}	0.00	11.08	0	68160	N.D.	2.777	#

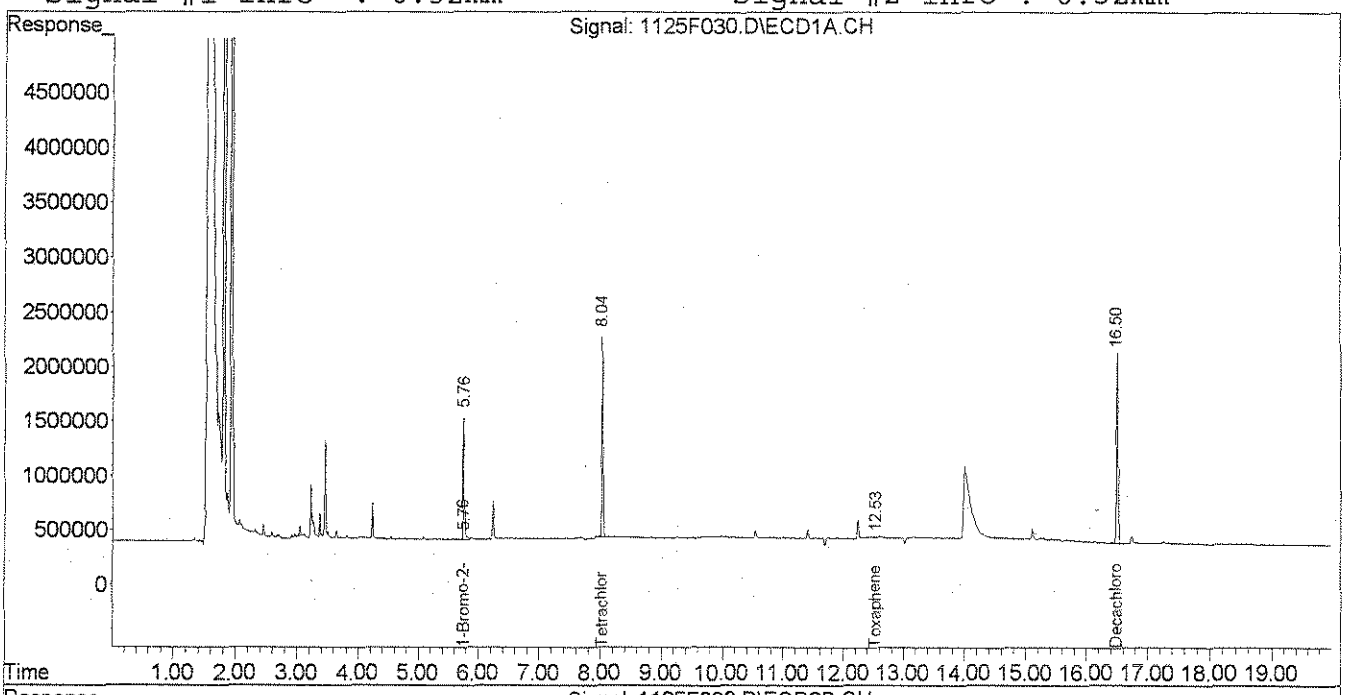
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

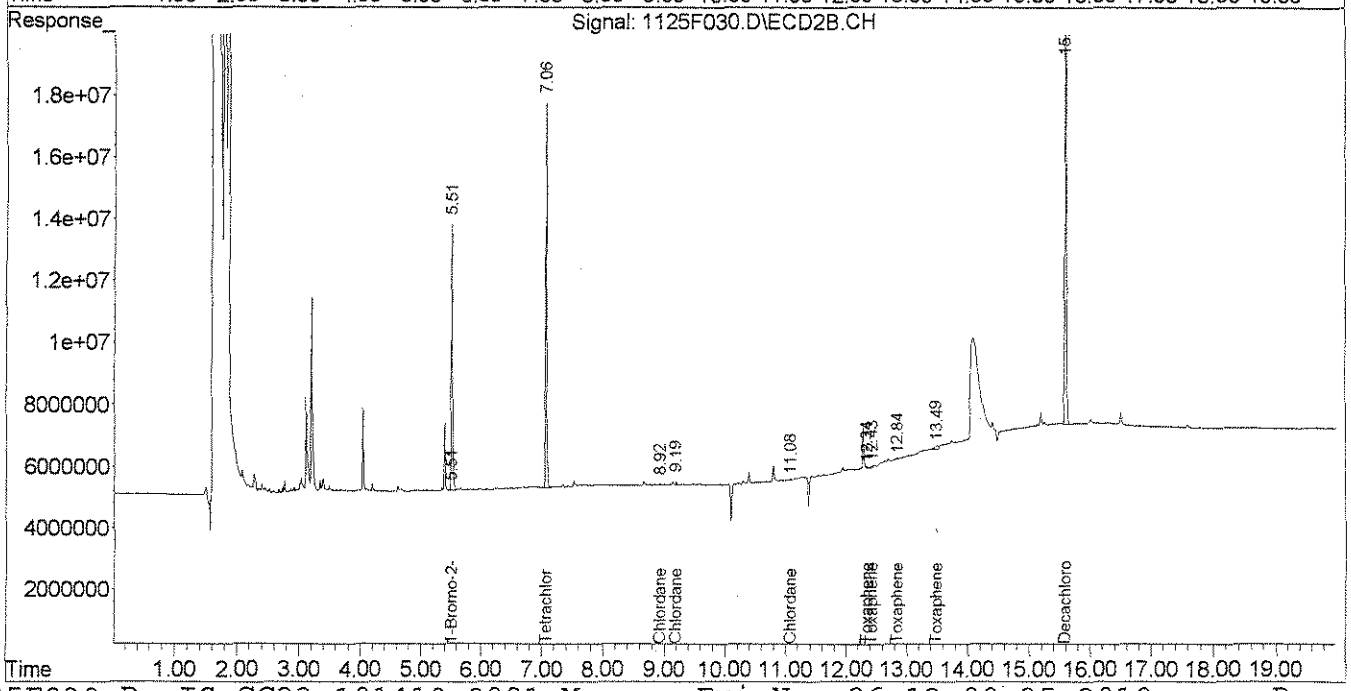
Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F030.D\ECD1A.CH Vial: 28
Signal #2 : J:\GC23\DATA\112510\1125F030.D\ECD2B.CH
Acq On : 26 Nov 2010 3:39 am Operator: CCotnam
Sample : KWG1012935-1 | MB | 8081A PEST_OC | WIPE Inst : GC23
Misc : SEMIVOA GC\W1012935\1-MB.H | F=10 D=1 A= Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:49 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0001MS	**Units:**	ug/Kg
Lab Code:	KWG1012933-1	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	**45.2**		3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	**47.8**		3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	**45.4**		3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	**47.7**		3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	**45.1**		3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	**43.9**		3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	**46.4**		3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	**41.7**		3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	**46.4**		3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	**48.4**		3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	**44.1**		3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	**44.0**		3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	**44.2**		3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	**46.3**		3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	**46.3**		3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**46.7**		3.0	0.85	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	79	21-112	11/25/10	Acceptable
Decachlorobiphenyl	80	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F012.D	**Date Acquired:**	11/25/2010 19:35
Lab ID:	KWG1012933-1 -- K1012914-001MS	**Date Quantitated:**	11/26/2010 11:22
RunType:	MS	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	NO
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	1049536.916	4198147.666	NA
	1-Bromo-2-nitrobenzene {3}	0	1071424.583	4285698.333	

Primary Review: 11/29/10

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F012.D\1125F012C.D	**Date Acquired:**	11/25/2010 19:35
Lab ID:	KWG1012933-1 -- K1012914-001MS	**Date Quantitated:**	11/26/2010 11:22
RunType:	MS	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	5304341.91	21217367.66	NR
	1-Bromo-2-nitrobenzene {3}	0	5406153.91	21624615.66	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981920	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F012.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F012.D\1125F012c.d			**Vial:**	17
Acqu Date:	11/25/2010 19:35	**Quant Date:**	11/26/2010 11:22	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-1 -- K1012914-001MS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76 -0.08	5.51 -0.06	1806869	12967345	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04	7.06	3083773	19533198	78.51	74.00			79OK
					%Recovery =	79OK	74OK	Limits =	21-112	
1	Decachlorobiphenyl	16.49	15.59	3359583	24124746	105.73 CCV	79.77			80OK
					%Recovery =	106OK	80OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC	8.72	8.08	4398149	29110483	77.40	76.21	45.9	45.2	45.2
1	Hexachlorobenzene	8.85	7.91	3396202	23903782	74.06	60.48	43.9	35.9	35.9
1	beta-BHC	9.74	9.09	2086078	14383824	80.63	80.81	47.8	47.9	47.8
1	gamma-BHC (Lindane)	9.26	8.68	4216572	28243302	78.56	76.54	46.6	45.4	45.4
1	delta-BHC	10.14	9.53	4258682	29819652	80.53	81.10	47.7	48.1	47.7
1	Heptachlor	10.21	9.24	4381507	27218471	82.55	76.01	48.9	45.1	45.1
1	Aldrin	10.72	9.73 +0.01	3752762	24721498	74.08	74.82	43.9	44.4	43.9
1	Isodrin	11.24	10.37	3541757	22890655	84.64	82.37	50.2	48.8	48.8
1	Heptachlor Epoxide	11.42	10.58	3941872	25221790	81.36	78.23	48.2	46.4	46.4

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F012.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F012.D\1125F012c.d			**Vial:**	17
Acqu Date:	11/25/2010 19:35	**Quant Date:**	11/26/2010 11:22	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-1 -- K1012914-001MS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	gamma-Chlordane	11.91	10.94 +0.01	3918189	25554025	82.21	77.72	48.7	46.1	46.1
1	Endosulfan I	12.04	11.16	3253030	21234666	73.85	70.33	43.8	41.7	41.7
1	alpha-Chlordane	11.98	11.08	3904818	24827055	82.57	78.22	49.0	46.4	46.4
1	Dieldrin	12.43	11.59	3774510m	25543982	78.22	79.12	46.4	46.9	46.4
1	4,4'-DDE	12.24 +0.01	11.41	3591552	25722671	81.66	85.68	48.4	50.8	48.4
1	Endrin	12.77	12.06	3174544	22392111	74.38	76.99	44.1	45.6	44.1
1	Endosulfan II	13.18	12.47 +0.01	3279664	22030891	75.86	74.29	45.0	44.0	44.0
1	4,4'-DDD	13.02	12.27	2887777	20460443	74.51	79.54	44.2	47.2	44.2
1	Endrin Aldehyde	13.35	12.81 +0.01	2791655	19456562	78.82	78.03	46.7	46.3	46.3
1	Endosulfan Sulfate	13.77	13.11 +0.01	3251479	22265934	81.24	78.17	48.2	46.3	46.3
1	4,4'-DDT	13.47	12.68	3160730	22126168	78.83	87.17	46.7	51.7	46.7
1	Endrin Ketone	14.38	13.98	4119491	28616741	85.64	86.59	50.8	51.3	50.8
1	Methoxychlor	14.13	13.69 +0.01	1958380	11645716	89.26	81.42	52.9	48.3	48.3
	Toxaphene			0	0	0.0000	0.0000	37U	37U	37U
2	Toxaphene {1}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {2}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {3}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {4}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {5}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {6}			0d	0d	0.0000	0.0000	37U	37U	
	Chlordane			0	0	0.0000	0.0000	22U	22U	22U
3	Chlordane {1}			0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {2}			0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {3}			0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {4}			0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {5}			0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {6}			0d	0d	0.0000	0.0000	22U	22U	
4	Chlorpyrifos			0d	0d	0.0000	0.0000	0.66U	0.66U	0.66U
4	Oxychlordane			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	cis-Nonachlor			0d	0d	0.0000	0.0000	0.57U	0.57U	0.57U
4	trans-Nonachlor			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
4	Mirex			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	Hexachloroethane			0d	0d	0.0000	0.0000	0.47U	0.47U	0.47U
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.94U	0.94U	0.94U
5	2,4'-DDD			0d	0d	0.0000	0.0000	1.4U	1.4U	1.4U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.50U	0.50U	0.50U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.13 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F012.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F012.D\1125F012c.d			**Vial:**	17
Acqu Date:	11/25/2010 19:35	**Quant Date:**	11/26/2010 11:22	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-1 -- K1012914-001MS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Solids: 83.8 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F012.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\112510\1125F012.D\ECD2B.CH
Acq On : 25 Nov 2010 7:35 pm Operator: CCotnam
Sample : KWG1012933-1 | K1012914-001MS | 8081A PE Inst : GC23
Misc : SEMIVOA GC\W1012933\1-MS.H | F=10 D=1 A= Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:32 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.76	5.51	1806869	12967345	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.04	7.06	3083773	19533198	78.507	74.001
25)	s	Decachlorobiphen	16.49f	15.59	3359583	24124746	105.726	79.773
		Target Compounds						
3)		alpha-BHC	8.72	8.08	4398149	29110483	77.403	76.210
4)		Hexachlorobenzen	8.85	7.91	3396202	23903782	74.058	60.483
5)		beta-BHC	9.74	9.09	2086078	14383824	80.628	80.814
6)		gamma-BHC (Linda	9.26	8.68	4216572	28243302	78.558	76.537
7)		delta-BHC	10.14	9.53	4258682	29819652	80.533	81.096
8)		Heptachlor	10.21	9.24	4381507	27218471	82.546	76.005
9)		Aldrin	10.72	9.73	3752762	24721498	74.083	74.816
10)		Isodrin	11.24	10.37	3541757	22890655	84.639	82.369
11)		Heptachlor Epoxi	11.42	10.58	3941872	25221790	81.356	78.232
12)		gamma-Chlordane	11.91	10.94	3918189	25554025	82.211	77.715
13)		Endosulfan I	12.04	11.16	3253030	21234666	73.854	70.331
14)		alpha-Chlordane	11.98	11.08	3904818	24827055	82.574	78.222
15)		Dieldrin	12.43	11.59	3774510	25543982	78.222m	79.122
16)		4,4'-DDE	12.24	11.41	3591552	25722671	81.657	85.679
17)		Endrin	12.77	12.06	3174544	22392111	74.375	76.989
18)		Endosulfan II	13.18	12.47	3279664	22030891	75.857	74.292
19)		4,4'-DDD	13.02	12.27	2887777	20460443	74.509	79.544
20)		Endrin Aldehyde	13.35	12.81	2791655	19456562	78.817	78.031
21)		Endosulfan Sulfa	13.77	13.11	3251479	22265934	81.239	78.170
22)		4,4'-DDT	13.47	12.68	3160730	22126168	78.825	87.169
23)		Endrin Ketone	14.38	13.98	4119491	28616741	85.635	86.589
24)		Methoxychlor	14.13	13.69	1958380	11645716	89.264	81.421

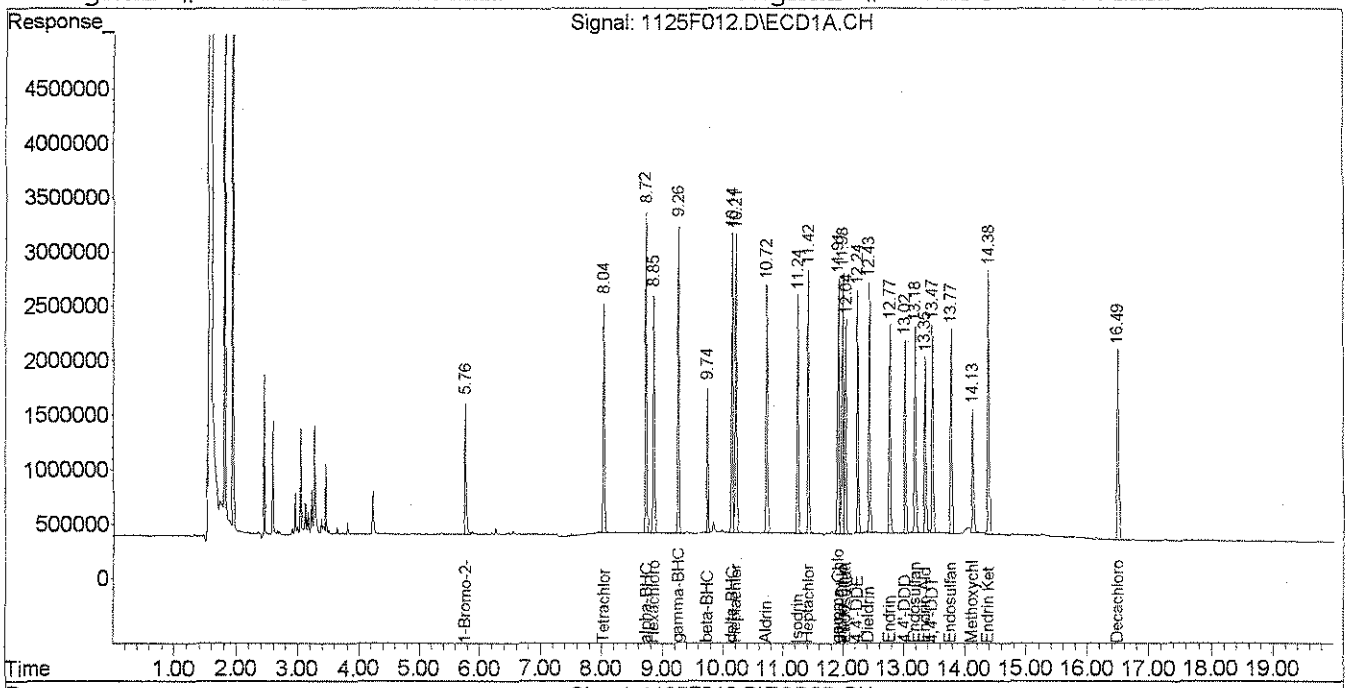
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

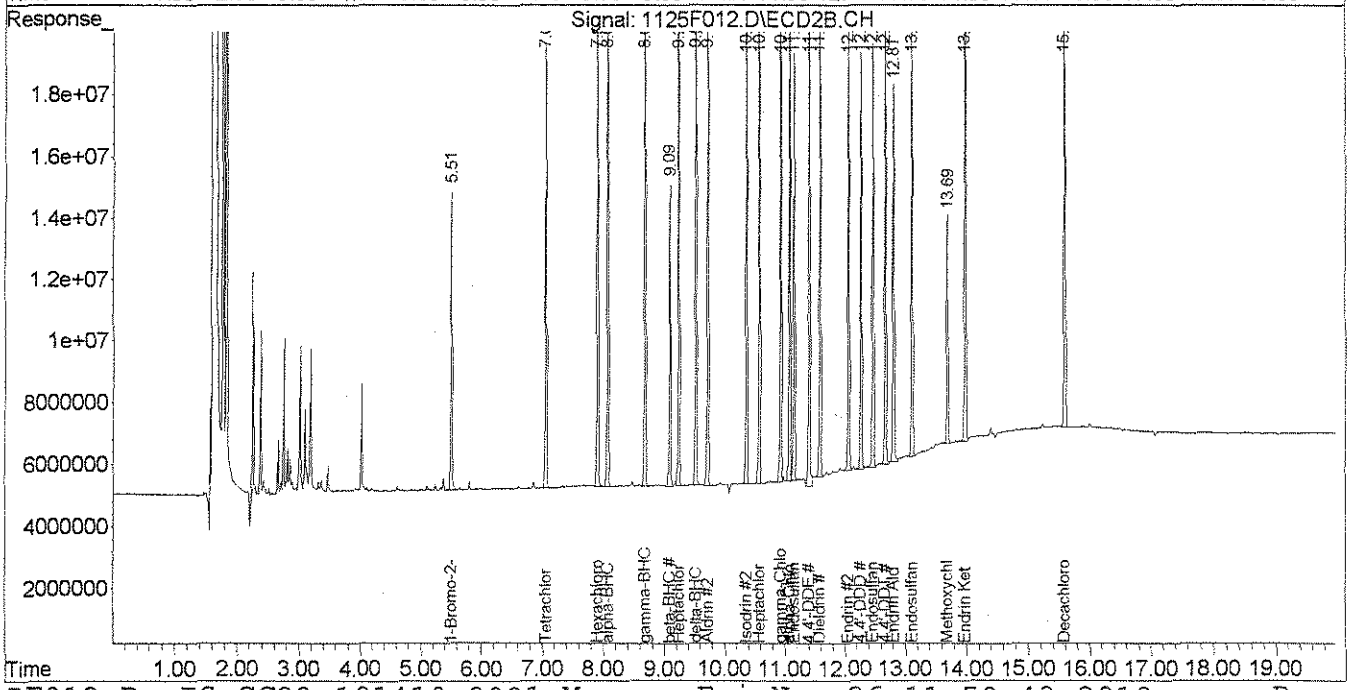
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F012.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\112510\1125F012.D\ECD2B.CH
Acq On : 25 Nov 2010 7:35 pm Operator: CCotnam
Sample : KWG1012933-1 | K1012914-001MS | 8081A PE Inst : GC23
Misc : SEMIVOA GC\W1012933\1-MS.H | F=10 D=1 A= Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:22 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

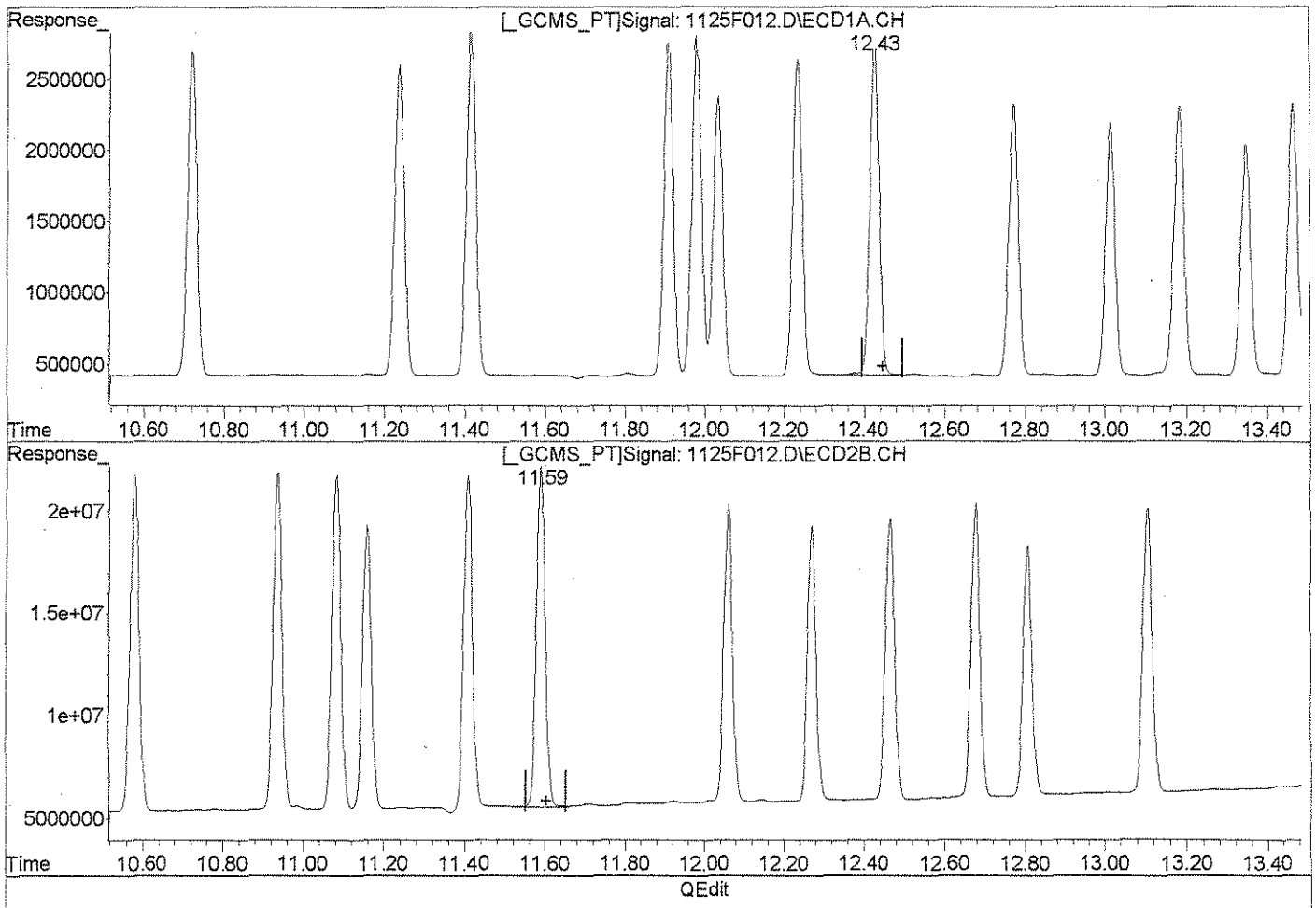




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F012.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\112510\1125F012.D\ECD2B.CH
Acq On : 25 Nov 2010 7:35 pm Operator: CCotnam
Sample : KWG1012933-1 | K1012914-001MS | 8081A PE Inst : GC23
Misc : SEMIVOA GC\W1012933\1-MS.H | F=10 D=1 A= Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



QEdit

Manual Integration:

Before

(15) Dieldrin

12.43min 78.955ug/L

response 3809897

(15) Dieldrin #2

11.59min 79.122ug/L

response 25543982

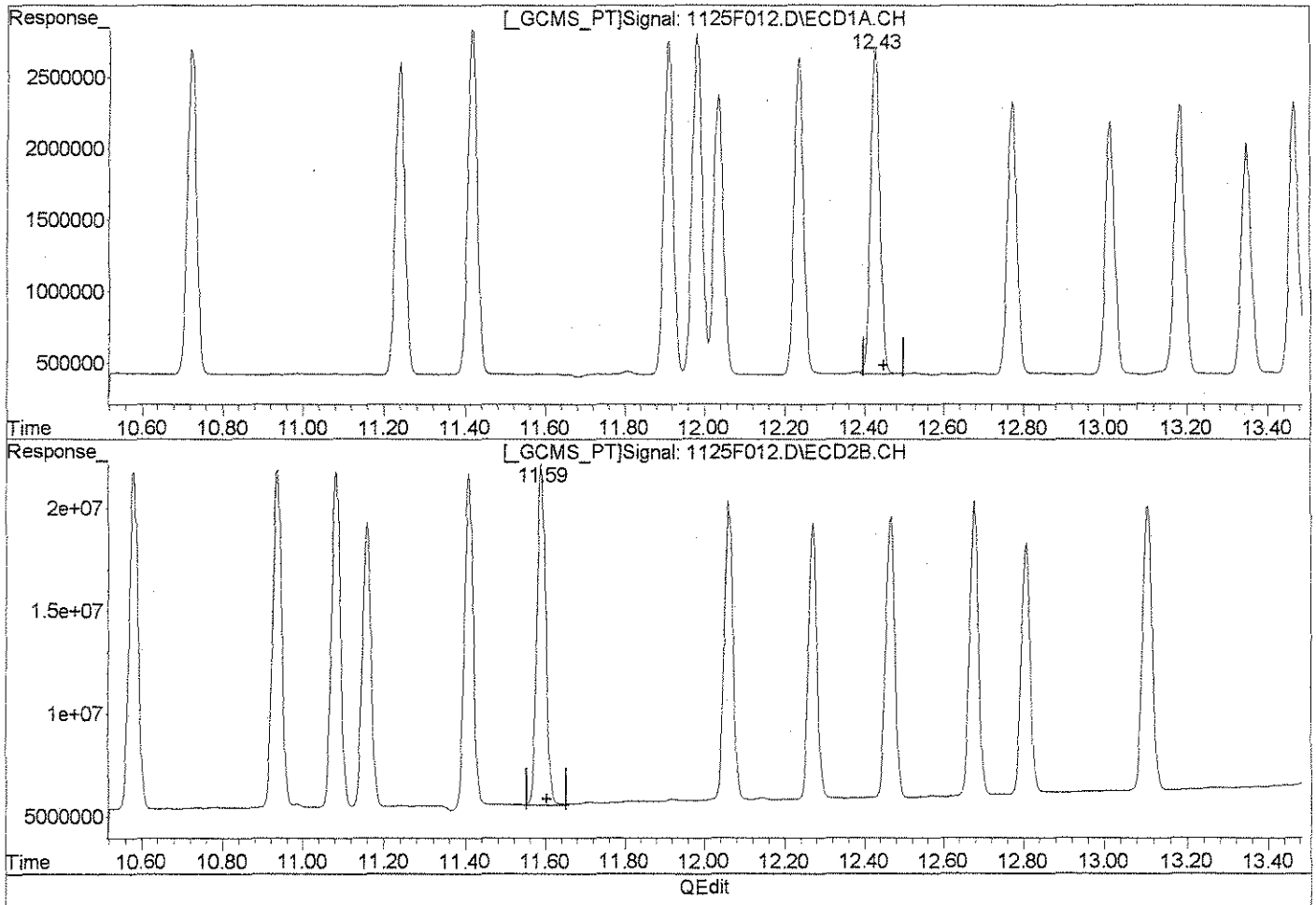
(+) = Expected Retention Time

1125F012.D IS-GC23-101410-8081.M Fri Nov 26 11:22:10 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F012.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\112510\1125F012.D\ECD2B.CH
Acq On : 25 Nov 2010 7:35 pm Operator: CCotnam
Sample : KWG1012933-1 | K1012914-001MS | 8081A PE Inst : GC23
Misc : SEMIVOA GC\W1012933\1-MS.H | F=10 D=1 A= Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(15) Dieldrin

12.43min 78.222ug/L m

response 3774510

(15) Dieldrin #2

11.59min 79.122ug/L

response 25543982

Manual Integration:

After

Baseline/Shoulder

11/26/10

11/29/10

(+) = Expected Retention Time

1125F012.D IS-GC23-101410-8081.M Fri Nov 26 11:22:28 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0001DMS	**Units:**	ug/Kg
Lab Code:	KWG1012933-2	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	**53.9**		3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	**53.1**		3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	**53.6**		3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	**55.6**		3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	**53.2**		3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	**52.3**		3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	**53.4**		3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	**47.6**		3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	**53.2**		3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	**56.6**		3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	**52.0**		3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	**49.4**		3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	**50.8**		3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	**53.5**		3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	**53.1**		3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**55.2**		3.0	0.85	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	93	21-112	11/25/10	Acceptable
Decachlorobiphenyl	87	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File: J:\GC23\DATA\112510\1125F013.D
Lab ID: KWG1012933-2 -- K1012914-001DMS
RunType: DMS
Matrix: SEDIMENT

Date Acquired: 11/25/2010 20:02
Date Quantitated: 11/26/2010 11:24
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	NO
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	1049536.916	4198147.666	NO
	1-Bromo-2-nitrobenzene {3}	0	1071424.583	4285698.333	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F013.D\1125F013C.D	**Date Acquired:**	11/25/2010 20:02
Lab ID:	KWG1012933-2 -- K1012914-001DMS	**Date Quantitated:**	11/26/2010 11:24
RunType:	DMS	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	5304341.91	21217367.66	NR
	1-Bromo-2-nitrobenzene {3}	0	5406153.91	21624615.66	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981921	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F013.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F013.D\1125F013c.d			**Vial:**	18
Acqu Date:	11/25/2010 20:02	**Quant Date:**	11/26/2010 11:24	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-2 -- K1012914-001DMS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08	5.51	-0.06	1690831	12365478	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}					0d	0d	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}					0d	0d	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}					0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}					0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04		7.07	+0.01	3403850	21571380	92.60	85.70			93OK
							%Recovery =	93OK	86OK	Limits =	21-112	
1	Decachlorobiphenyl	16.50	+0.01	15.59		3534816	25075963	118.88CCV	86.96			87OK
							%Recovery =	119OK	87OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC	8.73	+0.01	8.08		5004530	32915327	94.12	90.37	56.1	53.9	53.9
1	Hexachlorobenzene	8.86	+0.01	7.92	+0.01	4011329	28000440	93.47	74.30	55.7	44.3	44.3
1	beta-BHC	9.74		9.10	+0.01	2263647	15109982m	93.50	89.03	55.7	53.1	53.1
1	gamma-BHC (Lindane)	9.27	+0.01	8.69	+0.01	4739420	31630871	94.36	89.89	56.2	53.6	53.6
1	delta-BHC	10.15	+0.01	9.53		4671840	32692771	94.41	93.24	56.3	55.6	55.6
1	Heptachlor	10.22	+0.01	9.25	+0.01	4942688	30487793	99.51	89.28	59.3	53.2	53.2
1	Aldrin	10.73	+0.01	9.73	+0.01	4244480	27622770	89.54	87.67	53.4	52.3	52.3
1	Isodrin	11.25	+0.01	10.37		3947580	25402753	100.81	95.86	60.1	57.1	57.1
1	Heptachlor Epoxide	11.42		10.58		4332850	27541125	95.56	89.58	57.0	53.4	53.4

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F013.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F013.D\1125F013c.d			**Vial:**	18
Acqu Date:	11/25/2010 20:02	**Quant Date:**	11/26/2010 11:24	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-2 -- K1012914-001DMS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	gamma-Chlordane	11.92	+0.01	10.94	+0.01	4280373	27697703	95.97	88.33	57.2	52.7	**52.7**
1	Endosulfan I	12.04		11.16		3521313	22993616	85.43	79.86	50.9	47.6	**47.6**
1	alpha-Chlordane	11.99	+0.01	11.09	+0.01	4280816	26935655	96.74	89.00	57.7	53.0	**53.0**
1	Dieldrin	12.43		11.60	+0.01	4153337	27474431	91.98	89.24	54.8	53.2	**53.2**
1	4,4'-DDE	12.24	+0.01	11.41		3909355	27230391m	94.98	95.12	56.6	56.7	**56.6**
1	Endrin	12.78	+0.01	12.06		3483332	24393971	87.21	87.95	52.0	52.4	**52.0**
1	Endosulfan II	13.19	+0.01	12.47	+0.01	3596176	23420343	88.89	82.82	53.0	49.4	**49.4**
1	4,4'-DDD	13.02		12.28	+0.01	3089164	21880020	85.18	89.20	50.8	53.2	**50.8**
1	Endrin Aldehyde	13.35		12.81	+0.01	3054045	21345788	92.14	89.78	54.9	53.5	**53.5**
1	Endosulfan Sulfate	13.78	+0.01	13.11	+0.01	3492535	24204871	93.25	89.11	55.6	53.1	**53.1**
1	4,4'-DDT	13.47		12.68		3472792	24322555	92.55	100.49	55.2	59.9	**55.2**
1	Endrin Ketone	14.39	+0.01	13.99	+0.01	4467393	31143566	99.24	98.82	59.2	58.9	**58.9**
1	Methoxychlor	14.13		13.69	+0.01	2017712m	12934933	98.28	94.84	58.6	56.5	**56.5**
	Toxaphene					0	0	0.0000	0.0000	37U	37U	37U
2	Toxaphene {1}					0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {2}					0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {3}					0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {4}					0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {5}					0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {6}					0d	0d	0.0000	0.0000	37U	37U	
	Chlordane					0	0	0.0000	0.0000	22U	22U	22U
3	Chlordane {1}					0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {2}					0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {3}					0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {4}					0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {5}					0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {6}					0d	0d	0.0000	0.0000	22U	22U	
4	Chlorpyrifos					0d	0d	0.0000	0.0000	0.66U	0.66U	0.66U
4	Oxychlordane					0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	cis-Nonachlor					0d	0d	0.0000	0.0000	0.57U	0.57U	0.57U
4	trans-Nonachlor					0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
4	Mirex					0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	Hexachloroethane					0d	0d	0.0000	0.0000	0.47U	0.47U	0.47U
4	Hexachlorobutadiene					0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
5	2,4'-DDE					0d	0d	0.0000	0.0000	0.94U	0.94U	0.94U
5	2,4'-DDD					0d	0d	0.0000	0.0000	1.4U	1.4U	1.4U
5	2,4'-DDT					0d	0d	0.0000	0.0000	0.50U	0.50U	0.50U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.02 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F013.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F013.D\1125F013c.d			**Vial:**	18
Acqu Date:	11/25/2010 20:02	**Quant Date:**	11/26/2010 11:24	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-2 -- K1012914-001DMS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Solids: 83.8 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F013.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\112510\1125F013.D\ECD2B.CH
Acq On : 25 Nov 2010 8:02 pm Operator: CCotnam
Sample : KWG1012933-2 | K1012914-001DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\2-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:33 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1690831	12365478	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.07	3403850	21571380	92.602	85.700	
25)	s	Decachlorobiphen	16.50f	15.59	3534816	25075963	118.875	86.955	#
		Target Compounds							
3)		alpha-BHC	8.73	8.08	5004530	32915327	94.119	90.365	
4)		Hexachlorobenzen	8.86	7.92	4011329	28000440	93.474	74.297	
5)		beta-BHC	9.74	9.10	2263647	15109982	93.496	89.026m	
6)		gamma-BHC (Linda	9.27	8.69	4739420	31630871	94.359	89.889	
7)		delta-BHC	10.15	9.53	4671840	32692771	94.409	93.238	
8)		Heptachlor	10.22	9.25	4942688	30487793	99.509	89.278	
9)		Aldrin	10.73	9.73	4244480	27622770	89.540	87.665	
10)		Isodrin	11.25	10.37	3947580	25402753	100.812	95.858	
11)		Heptachlor Epoxi	11.42	10.58	4332850	27541125	95.562	89.584	
12)		gamma-Chlordane	11.92	10.94	4280373	27697703	95.973	88.334	
13)		Endosulfan I	12.04	11.16	3521313	22993616	85.431	79.863	
14)		alpha-Chlordane	11.99	11.09	4280816	26935655	96.737	88.997	
15)		Dieldrin	12.43	11.60	4153337	27474431	91.980	89.243	
16)		4,4'-DDE	12.24	11.41	3909355	27230391	94.982	95.116m	
17)		Endrin	12.78	12.06	3483332	24393971	87.210	87.954	
18)		Endosulfan II	13.19	12.47	3596176	23420343	88.886	82.822	
19)		4,4'-DDD	13.02	12.28	3089164	21880020	85.175	89.204	
20)		Endrin Aldehyde	13.35	12.81	3054045	21345788	92.143	89.775	
21)		Endosulfan Sulfa	13.78	13.11	3492535	24204871	93.250	89.113	
22)		4,4'-DDT	13.47	12.68	3472792	24322555	92.551	100.486	
23)		Endrin Ketone	14.39	13.99	4467393	31143566	99.240	98.822	
24)		Methoxychlor	14.13	13.69	2017712	12934933	98.280m	94.836	

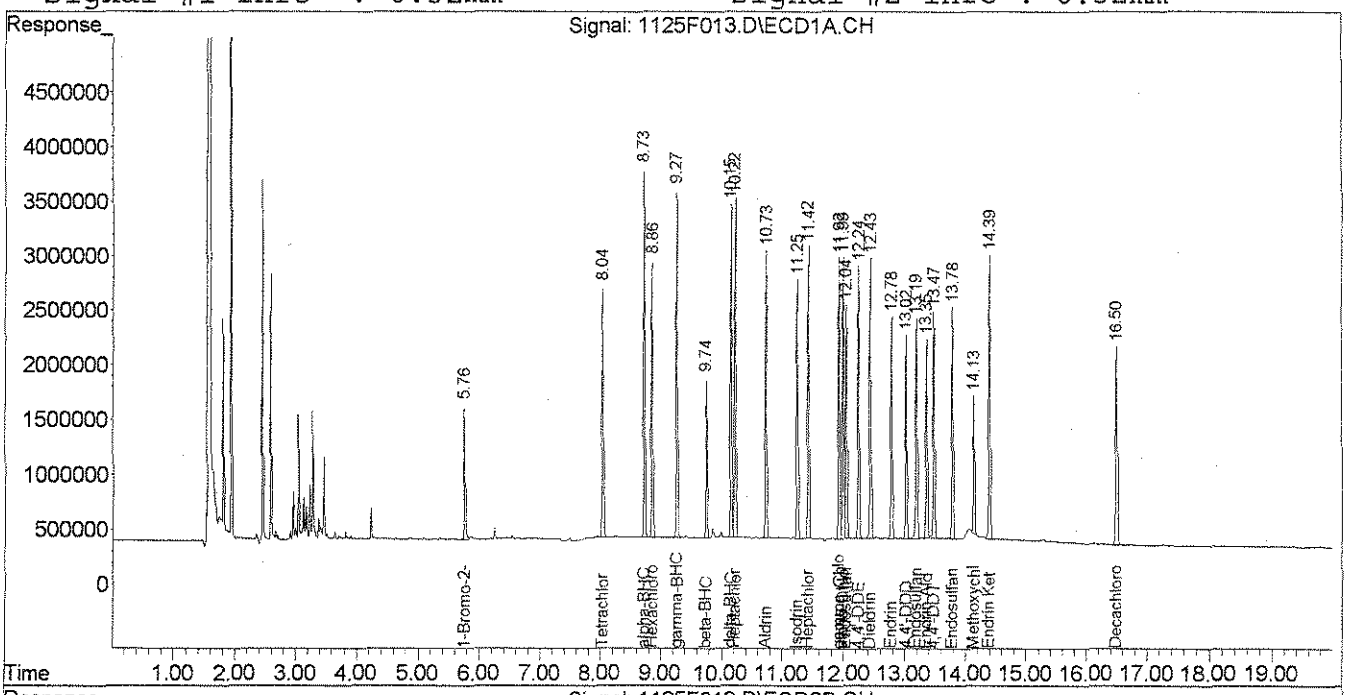
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

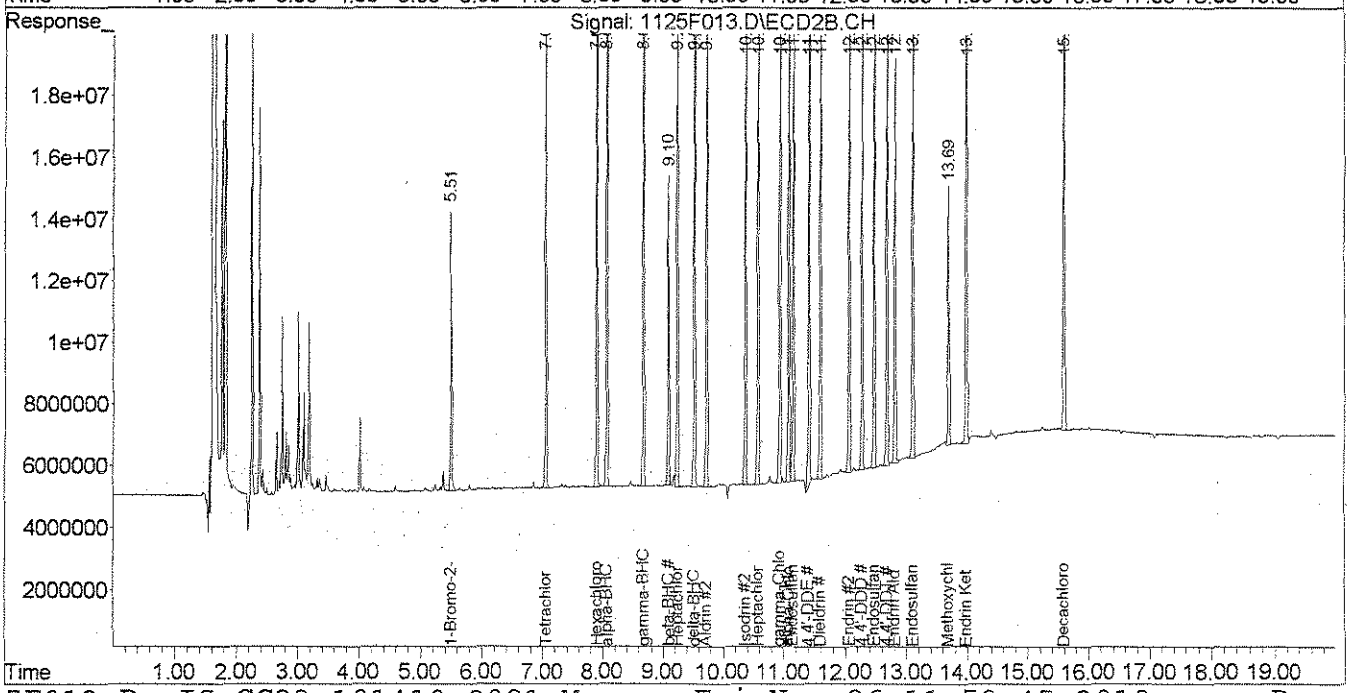
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F013.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\112510\1125F013.D\ECD2B.CH
Acq On : 25 Nov 2010 8:02 pm Operator: CCotnam
Sample : KWG1012933-2 | K1012914-001DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\2-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:24 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

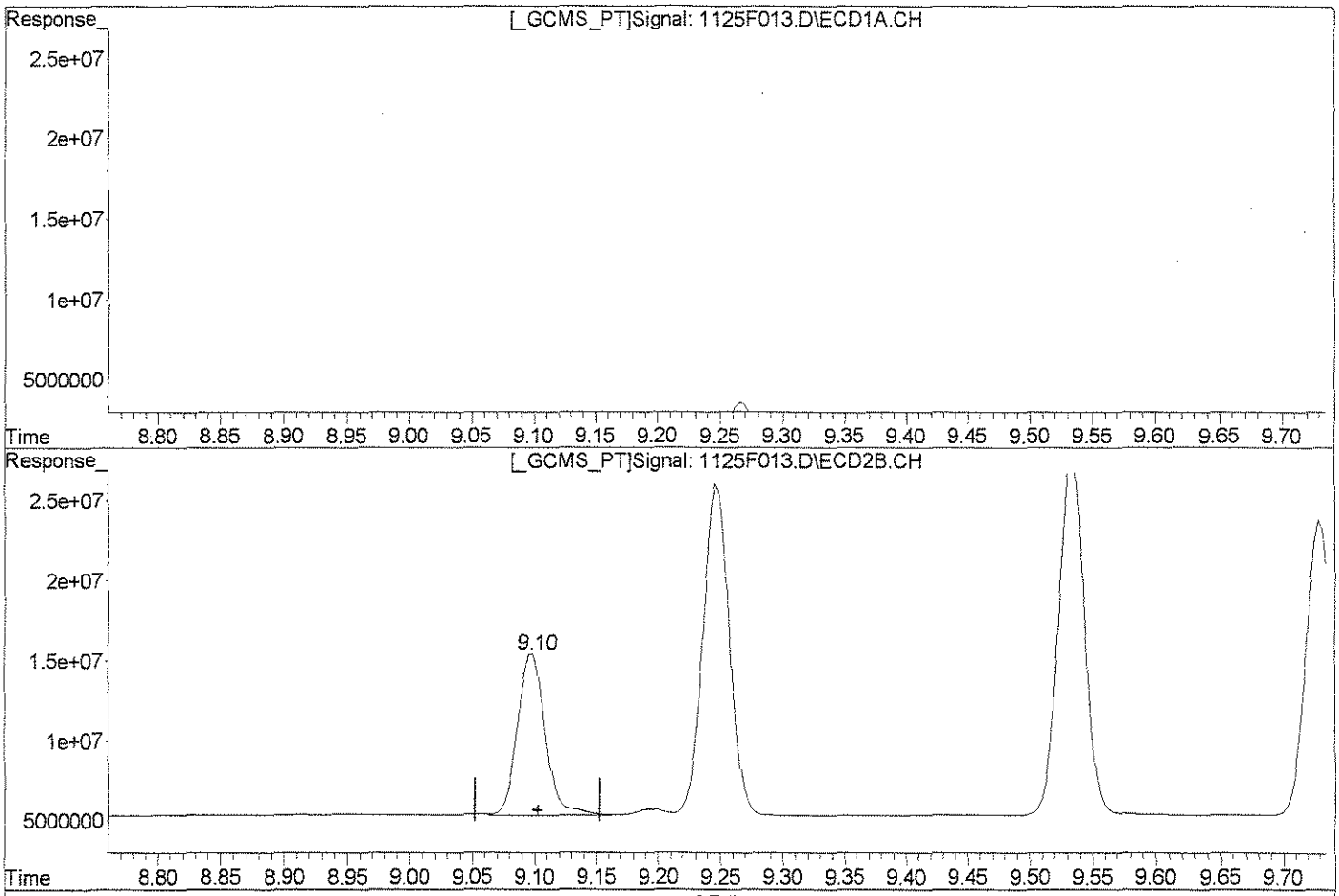




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F013.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\112510\1125F013.D\ECD2B.CH
Acq On : 25 Nov 2010 8:02 pm Operator: CCotnam
Sample : KWG1012933-2 | K1012914-001DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\2-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(5) beta-BHC

9.74min 93.496ug/L

response 2263647

(5) beta-BHC #2

9.10min 92.059ug/L

response 15624779

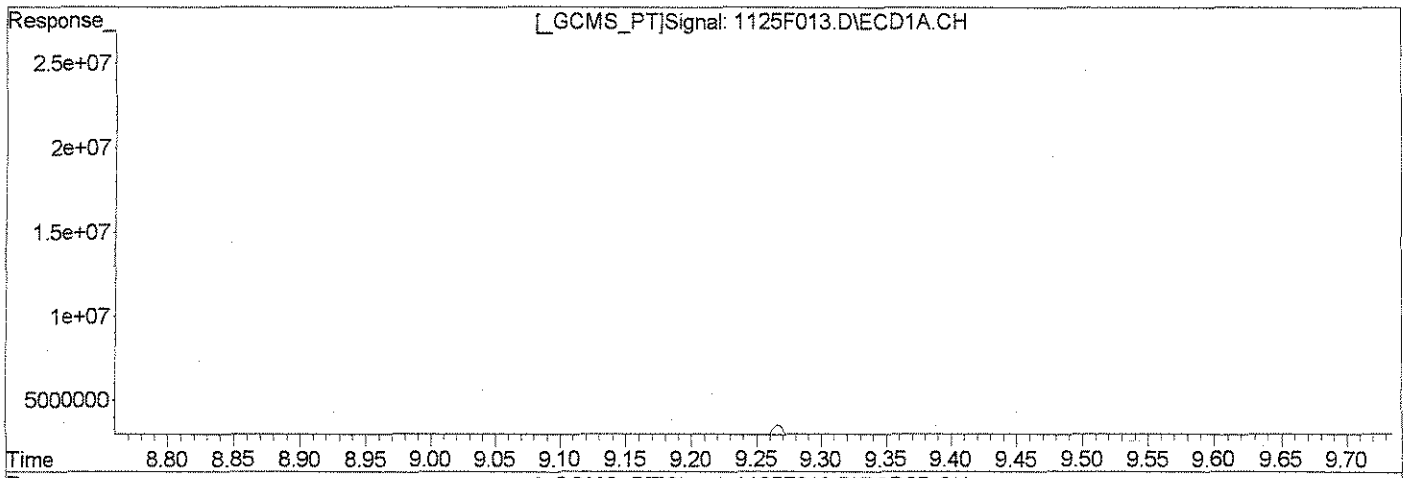
(+) = Expected Retention Time

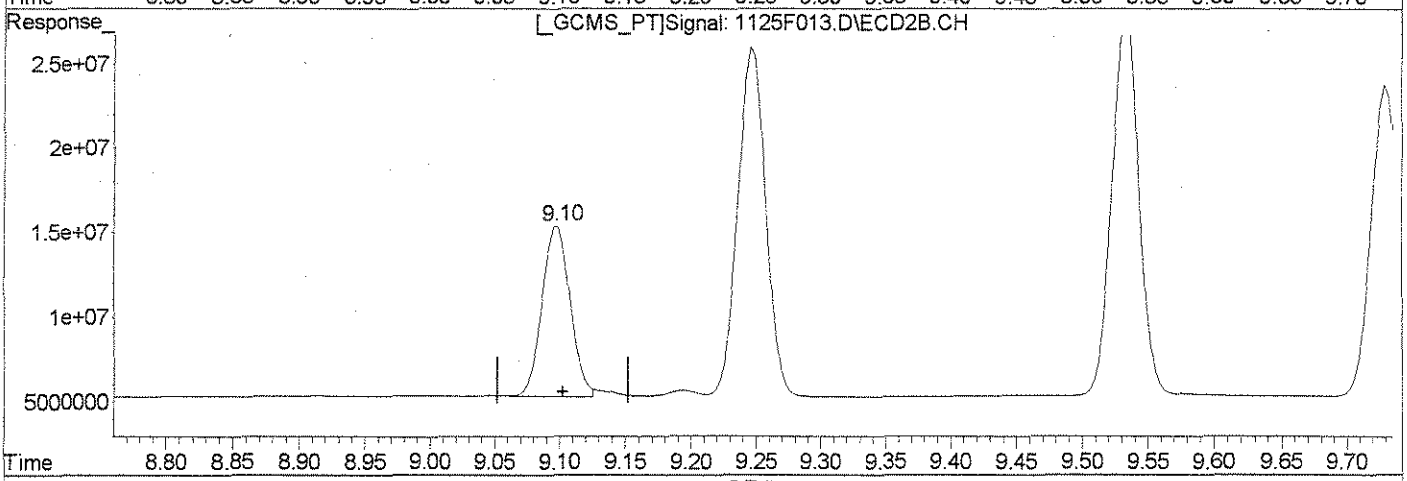
1125F013.D IS-GC23-101410-8081.M Fri Nov 26 11:23:19 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F013.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\112510\1125F013.D\ECD2B.CH
Acq On : 25 Nov 2010 8:02 pm Operator: CCotnam
Sample : KWG1012933-2 | K1012914-001DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\2-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





(5) beta-BHC
9.74min 93.496ug/L
response 2263647

(5) beta-BHC #2
9.10min 89.026ug/L m
response 15109982

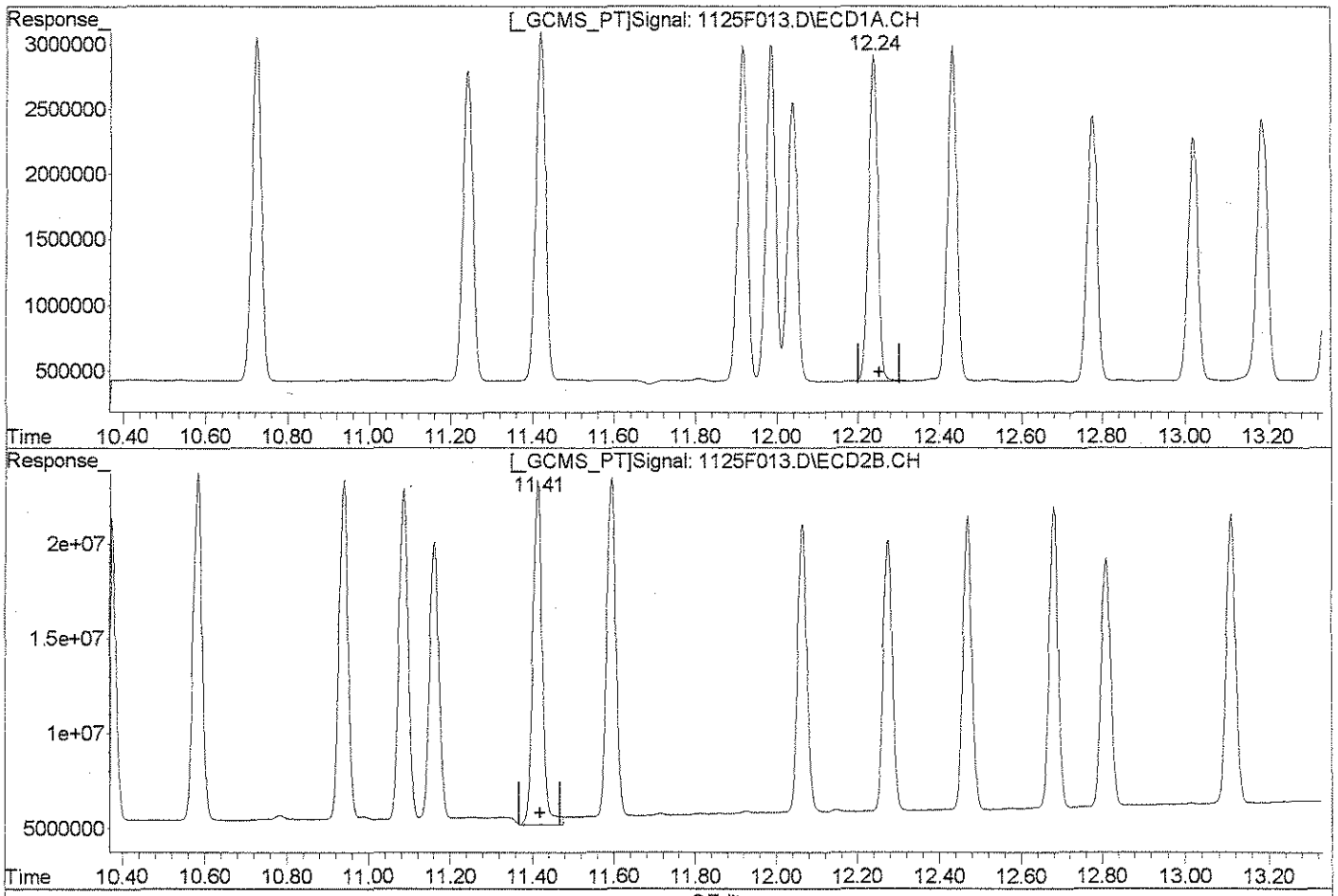
Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F013.D IS-GC23-101410-8081.M Fri Nov 26 11:23:27 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F013.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\112510\1125F013.D\ECD2B.CH
Acq On : 25 Nov 2010 8:02 pm Operator: CCotnam
Sample : KWG1012933-2 | K1012914-001DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\2-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(16) 4,4'-DDE

12.24min 94.982ug/L

response 3909355

(16) 4,4'-DDE #2

11.41min 99.544ug/L

response 28498155

Manual Integration:

Before

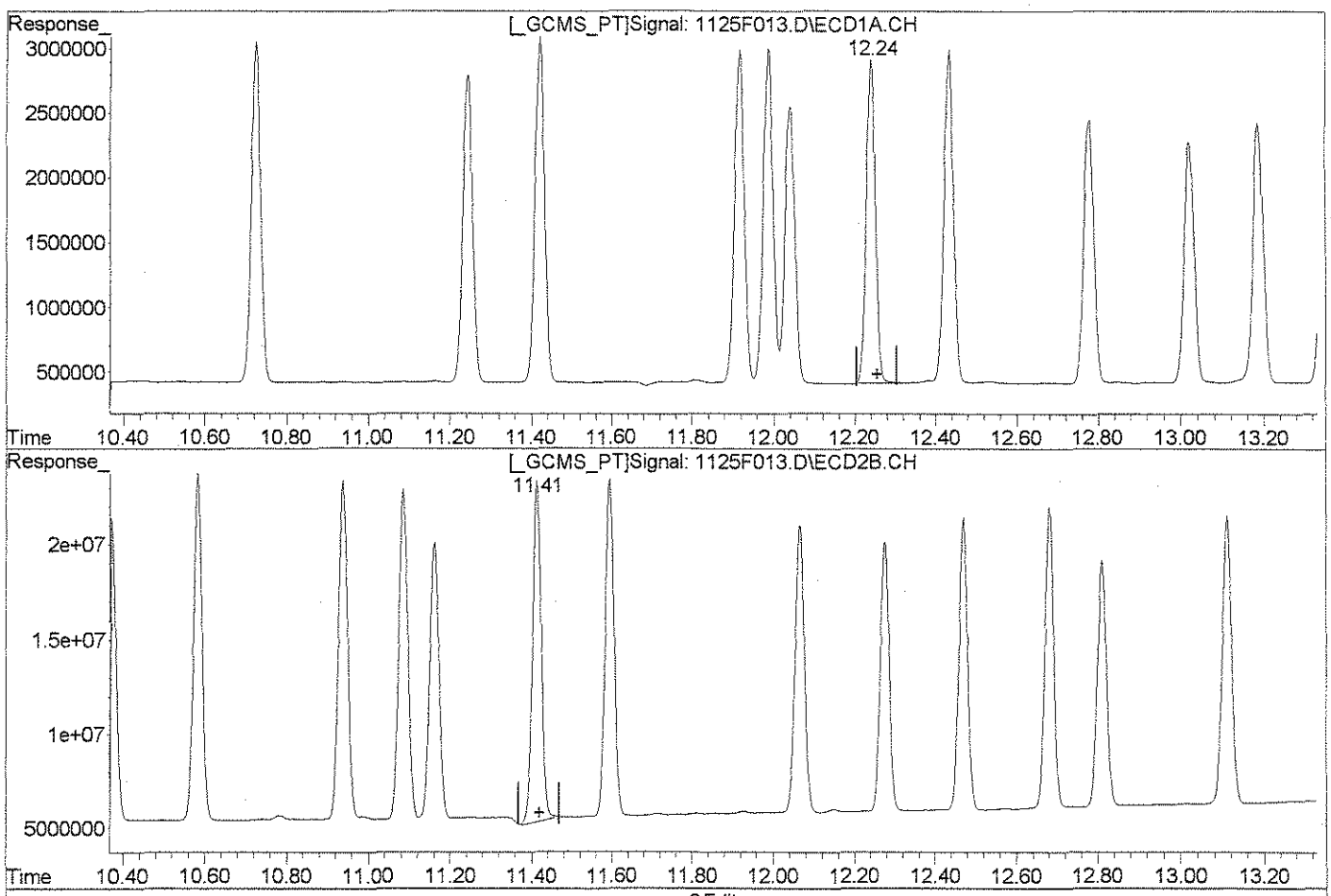
(+) = Expected Retention Time

1125F013.D IS-GC23-101410-8081.M Fri Nov 26 11:23:41 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F013.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\112510\1125F013.D\ECD2B.CH
Acq On : 25 Nov 2010 8:02 pm Operator: CCotnam
Sample : KWG1012933-2 | K1012914-001DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\2-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(16) 4,4'-DDE

12.24min 94.982ug/L

response 3909355

(16) 4,4'-DDE #2

11.41min 95.116ug/L m

response 27230391

Manual Integration:

After

Baseline/Shoulder

11/26/10

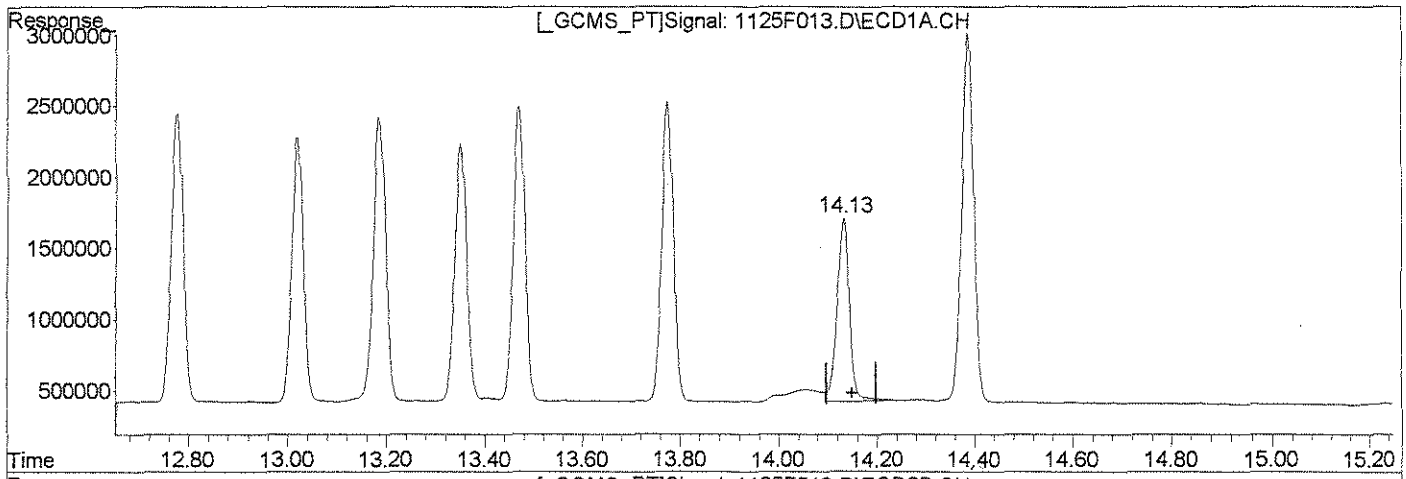
(+) = Expected Retention Time

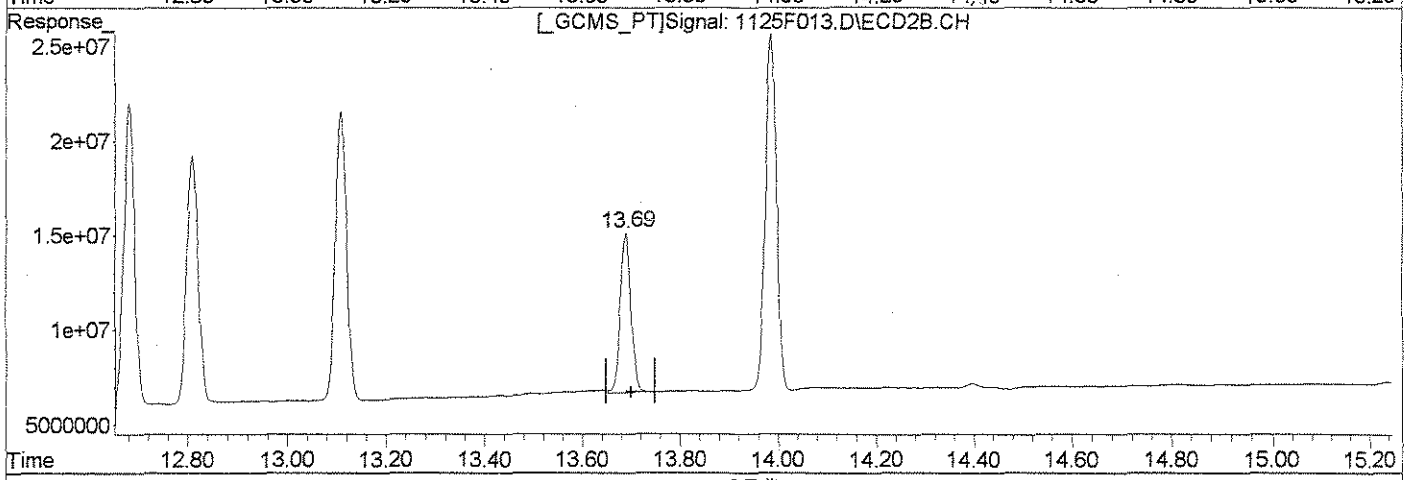
1125F013.D IS-GC23-101410-8081.M Fri Nov 26 11:23:56 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F013.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\112510\1125F013.D\ECD2B.CH
Acq On : 25 Nov 2010 8:02 pm Operator: CCotnam
Sample : KWG1012933-2 | K1012914-001DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\2-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(24) Methoxychlor

14.13min 108.436ug/L

response 2226204

(24) Methoxychlor #2

13.69min 94.836ug/L

response 12934933

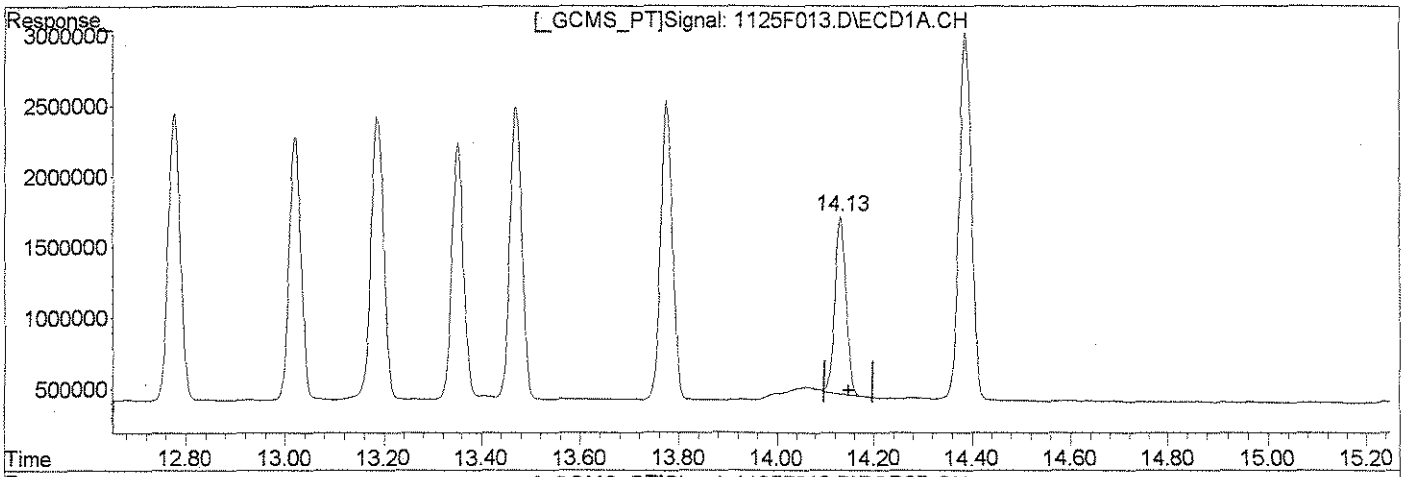
(+) = Expected Retention Time

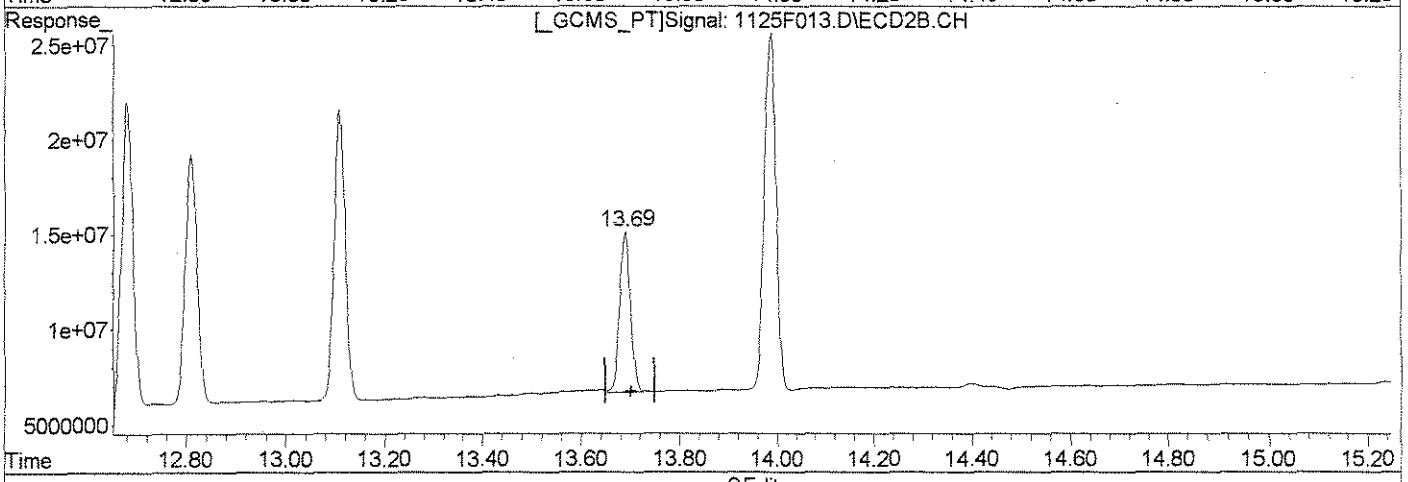
1125F013.D IS-GC23-101410-8081.M Fri Nov 26 11:24:13 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F013.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\112510\1125F013.D\ECD2B.CH
Acq On : 25 Nov 2010 8:02 pm Operator: CCotnam
Sample : KWG1012933-2 | K1012914-001DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\2-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(24) Methoxychlor
14.13min 98.280ug/L m
response 2017712

(24) Methoxychlor #2
13.69min 94.836ug/L
response 12934933

Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0002MS	**Units:**	ug/Kg
Lab Code:	KWG1012933-3	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Toxaphene	**540**		150	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	**570**		57	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	84	21-112	11/25/10	Acceptable
Decachlorobiphenyl	75	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File: J:\GC23\DATA\112510\1125F015.D
Lab ID: KWG1012933-3 -- K1012914-002MS
RunType: MS
Matrix: SEDIMENT

Date Acquired: 11/25/2010 20:56
Date Quantitated: 11/26/2010 11:28
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL*	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	NO
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	yes
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Exception Report

Data File:	J:\GC23\DATA\112510\1125F015.D\1125F015C.D	**Date Acquired:**	11/25/2010 20:56
Lab ID:	KWG1012933-3 -- K1012914-002MS	**Date Quantitated:**	11/26/2010 11:28
RunType:	MS	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: 11/29/10

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981922	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F015.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F015.D\1125F015c.d			**Vial:**	20
Acqu Date:	11/25/2010 20:56	**Quant Date:**	11/26/2010 11:28	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-3 -- K1012914-002MS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76 -0.08 c	5.51 -0.06 c	1718753	12494151	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76 -0.07 c	5.51 -0.05 c	1718753	12494151	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76 -0.08 c	5.51 -0.06 c	1718753	12494151	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04	7.06	3132520	19931788	83.84	78.37			84OK
				%Recovery =		84OK	78OK	Limits =	21-112	
1	Decachlorobiphenyl	16.49	15.59	3224710	21773192	106.68 CCV	74.72			75OK
				%Recovery =		107OK	75OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000	0.35U	0.35U	0.35U
1	Hexachlorobenzene			0d	0d	0.0000	0.0000	0.47U	0.47U	0.47U
1	beta-BHC			0d	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC			0d	0d	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor			0d	0d	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin			0d	0d	0.0000	0.0000	0.34U	0.34U	0.34U
1	Isodrin			0d	0d	0.0000	0.0000	0.30U	0.30U	0.30U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.39U	0.39U	0.39U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F015.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F015.D\1125F015c.d			**Vial:**	20
Acqu Date:	11/25/2010 20:56	**Quant Date:**	11/26/2010 11:28	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-3 -- K1012914-002MS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000	0.60U	0.60U	0.60U
1	Endosulfan I			0d	0d	0.0000	0.0000	1.7U	1.7U	1.7U
1	alpha-Chlordane			0d	0d	0.0000	0.0000	1.2U	1.2U	1.2U
1	Dieldrin			0d	0d	0.0000	0.0000	0.48U	0.48U	0.48U
1	4,4'-DDE			0d	0d	0.0000	0.0000	1.6U	1.6U	1.6U
1	Endrin			0d	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	Endosulfan II			0d	0d	0.0000	0.0000	0.86U	0.86U	0.86U
1	4,4'-DDD			0d	0d	0.0000	0.0000	1.0U	1.0U	1.0U
1	Endrin Aldehyde			0d	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT			0d	0d	0.0000	0.0000	0.85U	0.85U	0.85U
1	Endrin Ketone			0d	0d	0.0000	0.0000	0.55U	0.55U	0.55U
1	Methoxychlor			0d	0d	0.0000	0.0000	0.61U	0.61U	~~0.61U~~
	Toxaphene			0	0	1,044	953.13	590	540	**540**
2	Toxaphene {1}	12.55	12.31 +0.01	194784	4413171	818.65	982.87	463	556	
2	Toxaphene {2}	12.85 +0.02	12.38	746058	4220131	1,338	1,322	758	748	
2	Toxaphene {3}	13.50	12.58 +0.01	617291	1532275	1,448	915.92	820	518	
2	Toxaphene {4}	13.74	12.82 +0.01	626955	2833583	1,010	1,011	571	572	
2	Toxaphene {5}	14.26 +0.01	13.03 +0.01	367056	970030	719.53	535.99	407	303	
2	Toxaphene {6}	14.44 +0.01	13.51 +0.01	749712	4117771	928.58	950.58	526	538	
	Chlordane			0	0	1,037	1,006	590	570	**570**
3	Chlordane {1}	9.87 -0.01	8.96	1357753	7556950	789.60	687.44	447	389	
3	Chlordane {2}	10.21 -0.01	9.24 -0.01	2589179	15575308	1,122	1,081	635	612	
3	Chlordane {3}	10.76 -0.01	10.94	1494100	29207797	956.81	956.35	542	541	
3	Chlordane {4}	11.92	10.98	5588896	21750601	1,106	1,233	626	698	
3	Chlordane {5}	11.99	11.03 -0.01	3615554	10900631	913.42	1,229	517	695	
3	Chlordane {6}	12.06	11.08 -0.01	3581792	21578445	1,335	851.17	756	482	
4	Chlorpyrifos			0d	0d	0.0000	0.0000	0.66U	0.66U	0.66U
4	Oxychlordane			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	cis-Nonachlor			0d	0d	0.0000	0.0000	0.57U	0.57U	0.57U
4	trans-Nonachlor			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
4	Mirex			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	Hexachloroethane			0d	0d	0.0000	0.0000	0.47U	0.47U	0.47U
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.94U	0.94U	0.94U
5	2,4'-DDD			0d	0d	0.0000	0.0000	1.4U	1.4U	1.4U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.50U	0.50U	0.50U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.03 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F015.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F015.D\1125F015c.d			**Vial:**	20
Acqu Date:	11/25/2010 20:56	**Quant Date:**	11/26/2010 11:28	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-3 -- K1012914-002MS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Solids: 88.2 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F015.D\ECD1A.CH Vial: 20
Signal #2 : J:\GC23\DATA\112510\1125F015.D\ECD2B.CH
Acq On : 25 Nov 2010 8:56 pm Operator: CCotnam
Sample : KWG1012933-3 | K1012914-002MS | 8081A PE Inst : GC23
Misc : SEMIVOA GC\W1012933\3-MS.H | F=10 D=1 A= Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:36 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1718753	12494151	50.000	50.000	
26)		1-Bromo-2-nitrob	5.76	5.51	1718753	12494151	50.000	50.000	
33)		1-Bromo-2-nitrob	5.76	5.51	1718753	12494151	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.06	3132520	19931788	83.836	78.371	
25)	s	Decachlorobiphen	16.49f	15.59	3224710	21773192	106.684	74.724	#
		Target Compounds							
27)		Toxaphene	12.55	12.31	194784	4413171	818.654	982.869	
28)		Toxaphene {2}	12.85	12.38	746058	4220131	1338.252	1322.210	
29)		Toxaphene {3}	13.50	12.58	617291	1532275	1448.159	915.924	#
30)		Toxaphene {4}	13.74	12.82	626955	2833583	1009.596	1011.186	
31)		Toxaphene {5}	14.26	13.03	367056	970030	719.530	535.993	#
32)		Toxaphene {6}	14.44	13.51	749712	4117771	928.582	950.580	
34)		Chlordane	9.87	8.96	1357753	7556950	789.599	687.435	
35)		Chlordane {2}	10.21	9.24	2589179	15575308	1121.825	1080.736	
36)		Chlordane {3}	10.76	10.94	1494100	29207797	956.807	956.354	
37)		Chlordane {4}	11.92	10.98	5588896	21750601	1105.505	1232.662	
38)		Chlordane {5}	11.99	11.03	3615554	10900631	913.422	1228.504	#
39)		Chlordane {6}	12.06	11.08	3581792	21578445	1335.140	851.165	#

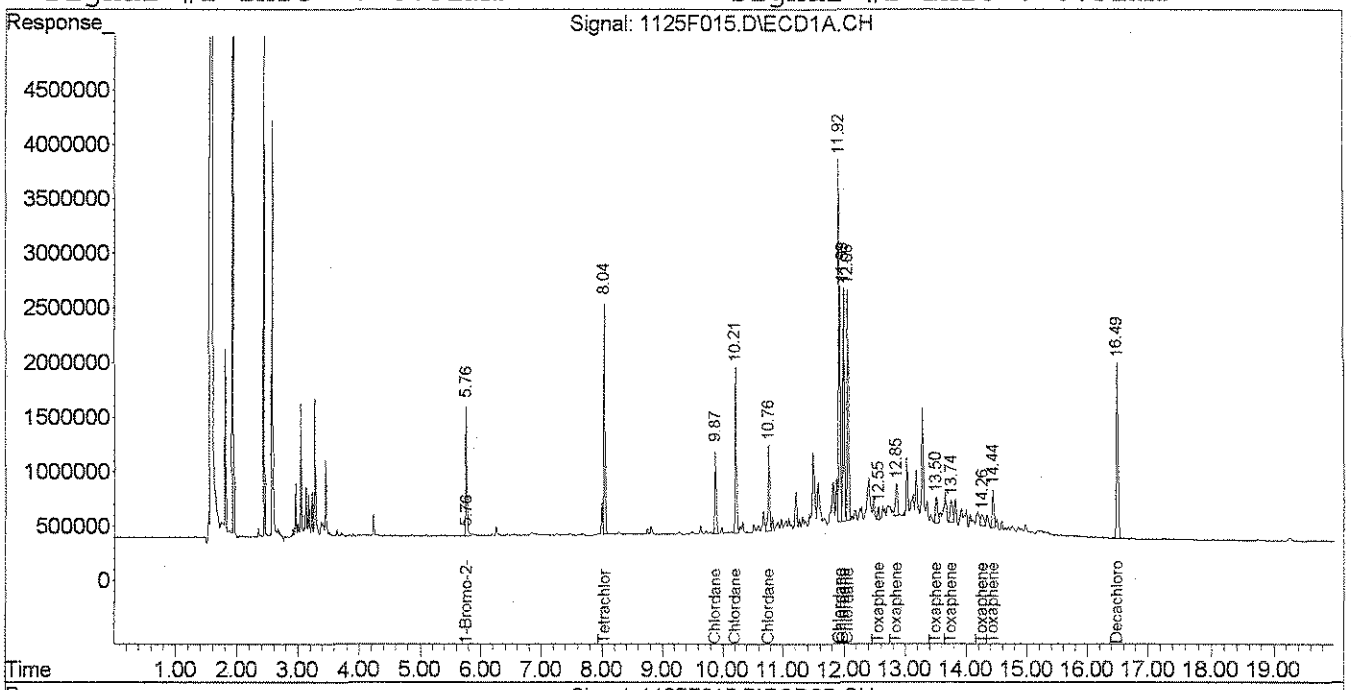
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

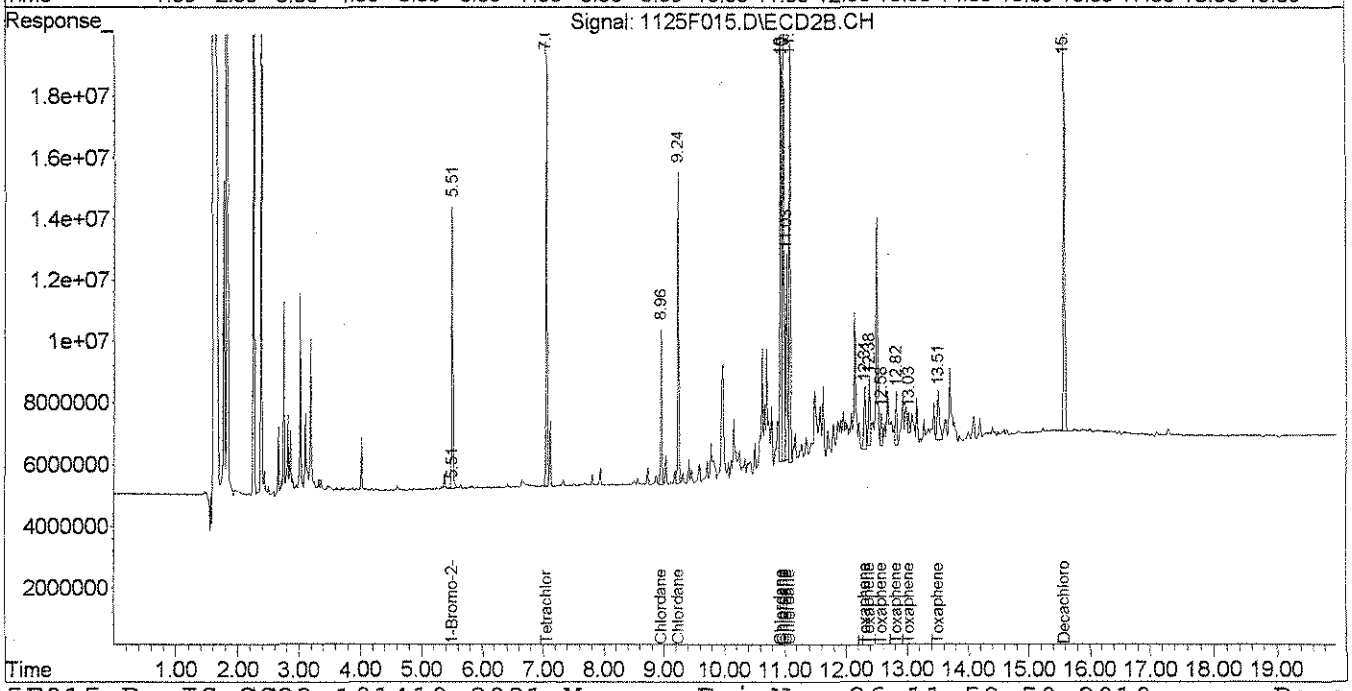
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F015.D\ECD1A.CH Vial: 20
Signal #2 : J:\GC23\DATA\112510\1125F015.D\ECD2B.CH
Acq On : 25 Nov 2010 8:56 pm Operator: CCotnam
Sample : KWG1012933-3 | K1012914-002MS | 8081A PE Inst : GC23
Misc : SEMIVOA GC\W1012933\3-MS.H | F=10 D=1 A= Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:28 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0002DMS	**Units:**	ug/Kg
Lab Code:	KWG1012933-4	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Toxaphene	**475**		150	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	**489**		57	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	21-112	11/25/10	Acceptable
Decachlorobiphenyl	66	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F016.D	**Date Acquired:**	11/25/2010 21:23
Lab ID:	KWG1012933-4 -- K1012914-002DMS	**Date Quantitated:**	11/26/2010 11:29
RunType:	DMS	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	NO
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F016.D\1125F016C.D	**Date Acquired:**	11/25/2010 21:23
Lab ID:	KWG1012933-4 -- K1012914-002DMS	**Date Quantitated:**	11/26/2010 11:29
RunType:	DMS	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981923	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F016.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F016.D\1125F016c.d			**Vial:**	21
Acqu Date:	11/25/2010 21:23	**Quant Date:**	11/26/2010 11:29	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-4 -- K1012914-002DMS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76 -0.08 c	5.51 -0.06 c	1714974	12489048	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76 -0.07 c	5.51 -0.05 c	1714974	12489048	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76 -0.08 c	5.51 -0.06 c	1714974	12489048	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.03 -0.01	7.06	2812775	18028990	75.45	70.92			75OK
					%Recovery =	75OK	71OK	Limits =	21-112	
1	Decachlorobiphenyl	16.49	15.59	2899059	19212716	96.12 CCV	65.96			66OK
					%Recovery =	96OK	66OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000	0.35U	0.35U	0.35U
1	Hexachlorobenzene			0d	0d	0.0000	0.0000	0.47U	0.47U	0.47U
1	beta-BHC			0d	0d	0.0000	0.0000	0.50U	0.50U	0.50U
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	delta-BHC			0d	0d	0.0000	0.0000	0.37U	0.37U	0.37U
1	Heptachlor			0d	0d	0.0000	0.0000	0.83U	0.83U	0.83U
1	Aldrin			0d	0d	0.0000	0.0000	0.34U	0.34U	0.34U
1	Isodrin			0d	0d	0.0000	0.0000	0.30U	0.30U	0.30U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.39U	0.39U	0.39U

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F016.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F016.D\1125F016c.d			**Vial:**	21
Acqu Date:	11/25/2010 21:23	**Quant Date:**	11/26/2010 11:29	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-4 -- K1012914-002DMS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000	0.60U	0.60U	0.60U
1	Endosulfan I			0d	0d	0.0000	0.0000	1.7U	1.7U	1.7U
1	alpha-Chlordane			0d	0d	0.0000	0.0000	1.2U	1.2U	1.2U
1	Dieldrin			0d	0d	0.0000	0.0000	0.48U	0.48U	0.48U
1	4,4'-DDE			0d	0d	0.0000	0.0000	1.6U	1.6U	1.6U
1	Endrin			0d	0d	0.0000	0.0000	0.45U	0.45U	0.45U
1	Endosulfan II			0d	0d	0.0000	0.0000	0.86U	0.86U	0.86U
1	4,4'-DDD			0d	0d	0.0000	0.0000	1.0U	1.0U	1.0U
1	Endrin Aldehyde			0d	0d	0.0000	0.0000	1.4U	1.4U	1.4U
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000	0.57U	0.57U	0.57U
1	4,4'-DDT			0d	0d	0.0000	0.0000	0.85U	0.85U	0.85U
1	Endrin Ketone			0d	0d	0.0000	0.0000	0.55U	0.55U	0.55U
1	Methoxychlor			0d	0d	0.0000	0.0000	0.61U	0.61U	0.61U
	Toxaphene			0	0	837.90	856.68	470	490	470
2	Toxaphene {1}	12.55	12.30	141668m	4014869	596.73	894.53	338	507	
2	Toxaphene {2}	12.84 +0.01	12.38	471799	3537591	848.16	1,109	481	628	
2	Toxaphene {3}	13.50	12.57	469747	1336157	1,104	799.02	626	453	
2	Toxaphene {4}	13.74	12.82 +0.01	569904	2465417	919.75	880.16	521	499	
2	Toxaphene {5}	14.25	13.02	368068	1098009	723.10	606.96	410	344	
2	Toxaphene {6}	14.44 +0.01	13.50	672830	3683036	835.19	850.57	473	482	
	Chlordane			0	0	950.24	863.04	540	490	490
3	Chlordane {1}	9.87 -0.01	8.95 -0.01	1210952	6624822	705.78	602.89	400	342	
3	Chlordane {2}	10.21 -0.01	9.24 -0.01	2314219	13924804	1,005	966.61	569	548	
3	Chlordane {3}	10.76 -0.01	10.93 -0.01	1503061	25409216	964.67	832.32	547	472	
3	Chlordane {4}	11.91 -0.01	10.97 -0.01	4930868	18433903	977.49	1,045	554	592	
3	Chlordane {5}	11.98 -0.01	11.03 -0.01	3296812	8624567	834.73	972.39	473	551	
3	Chlordane {6}	12.05 -0.01	11.08 -0.01	3249230	19231882	1,214	758.92	688	430	
4	Chlorpyrifos			0d	0d	0.0000	0.0000	0.66U	0.66U	0.66U
4	Oxychlordane			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	cis-Nonachlor			0d	0d	0.0000	0.0000	0.57U	0.57U	0.57U
4	trans-Nonachlor			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
4	Mirex			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	Hexachloroethane			0d	0d	0.0000	0.0000	0.47U	0.47U	0.47U
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.94U	0.94U	0.94U
5	2,4'-DDD			0d	0d	0.0000	0.0000	1.4U	1.4U	1.4U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.50U	0.50U	0.50U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.01 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F016.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F016.D\1125F016c.d			**Vial:**	21
Acqu Date:	11/25/2010 21:23	**Quant Date:**	11/26/2010 11:29	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-4 -- K1012914-002DMS				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Solids: 88.2 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F016.D\ECD1A.CH Vial: 21
Signal #2 : J:\GC23\DATA\112510\1125F016.D\ECD2B.CH
Acq On : 25 Nov 2010 9:23 pm Operator: CCotnam
Sample : KWG1012933-4 | K1012914-002DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\4-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:37 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1714974	12489048	50.000	50.000	
26)		1-Bromo-2-nitrob	5.76	5.51	1714974	12489048	50.000	50.000	
33)		1-Bromo-2-nitrob	5.76	5.51	1714974	12489048	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.03	7.06	2812775	18028990	75.445	70.918	
25)	s	Decachlorobiphen	16.49f	15.59	2899059	19212716	96.122	65.964	#
		Target Compounds							
27)		Toxaphene	12.55	12.30	141668	4014869	596.726m	894.528	#
28)		Toxaphene {2}	12.84	12.38	471799	3537591	848.161	1108.816	#
29)		Toxaphene {3}	13.50	12.57	469747	1336157	1104.450	799.020	#
30)		Toxaphene {4}	13.74	12.82	569904	2465417	919.748	880.163	
31)		Toxaphene {5}	14.25	13.02	368068	1098009	723.103	606.956	
32)		Toxaphene {6}	14.44	13.50	672830	3683036	835.193	850.569	
34)		Chlordane	9.87	8.95	1210952	6624822	705.779	602.888	
35)		Chlordane {2}	10.21	9.24	2314219	13924804	1004.901	966.606	
36)		Chlordane {3}	10.76	10.93	1503061	25409216	964.667	832.317	
37)		Chlordane {4}	11.91	10.97	4930868	18433903	977.494	1045.123	
38)		Chlordane {5}	11.98	11.03	3296812	8624567	834.732	972.388	
39)		Chlordane {6}	12.05	11.08	3249230	19231882	1213.843	758.915	#

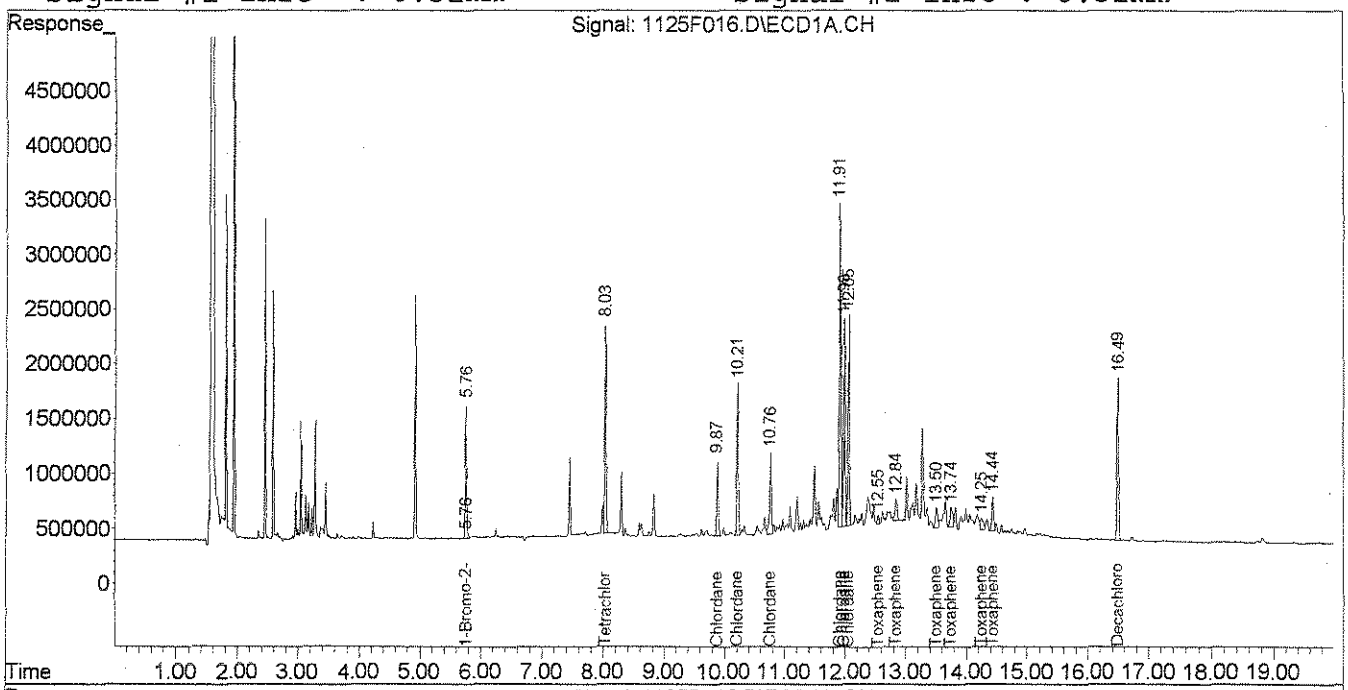
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

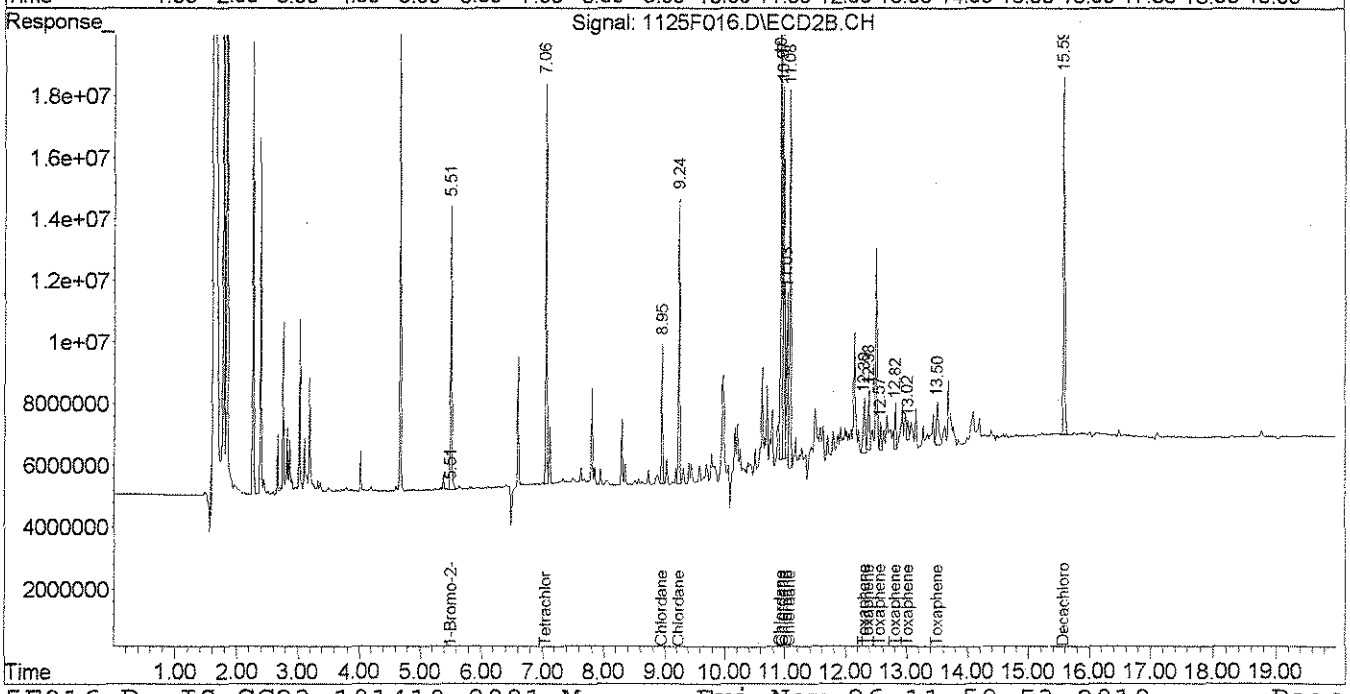
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F016.D\ECD1A.CH Vial: 21
Signal #2 : J:\GC23\DATA\112510\1125F016.D\ECD2B.CH
Acq On : 25 Nov 2010 9:23 pm Operator: CCotnam
Sample : KWG1012933-4 | K1012914-002DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\4-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:29 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

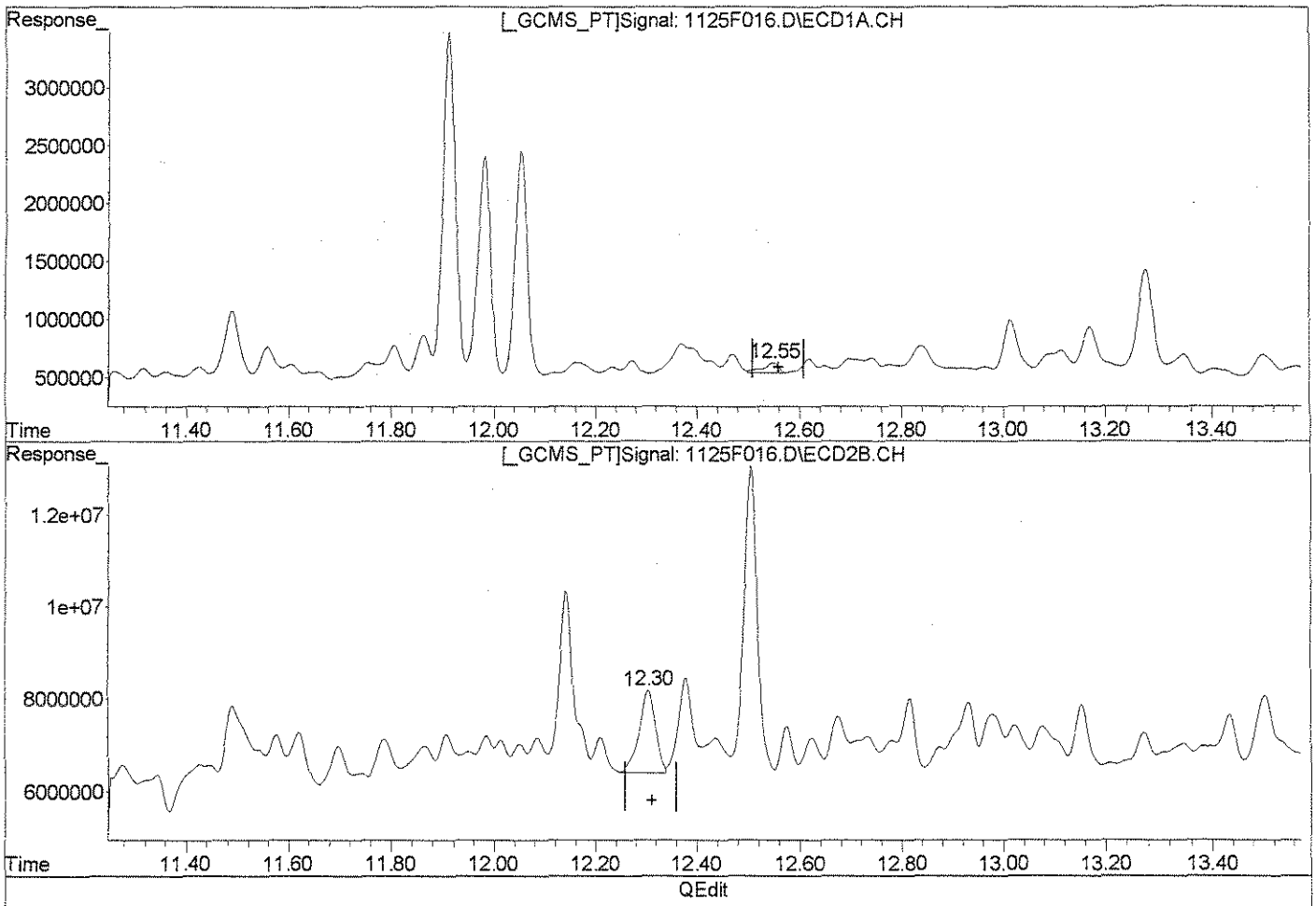




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F016.D\ECD1A.CH Vial: 21
Signal #2 : J:\GC23\DATA\112510\1125F016.D\ECD2B.CH
Acq On : 25 Nov 2010 9:23 pm Operator: CCotnam
Sample : KWG1012933-4 | K1012914-002DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\4-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(27) Toxaphene

12.55min 766.698ug/L

response 182021

(27) Toxaphene #2

12.30min 894.528ug/L

response 4014869

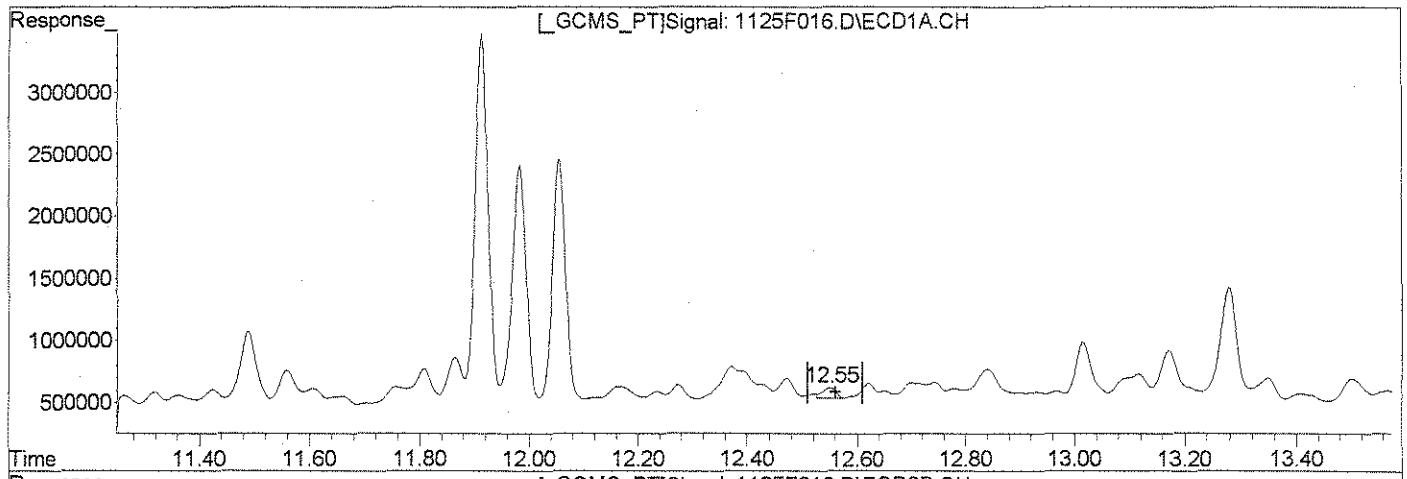
(+) = Expected Retention Time

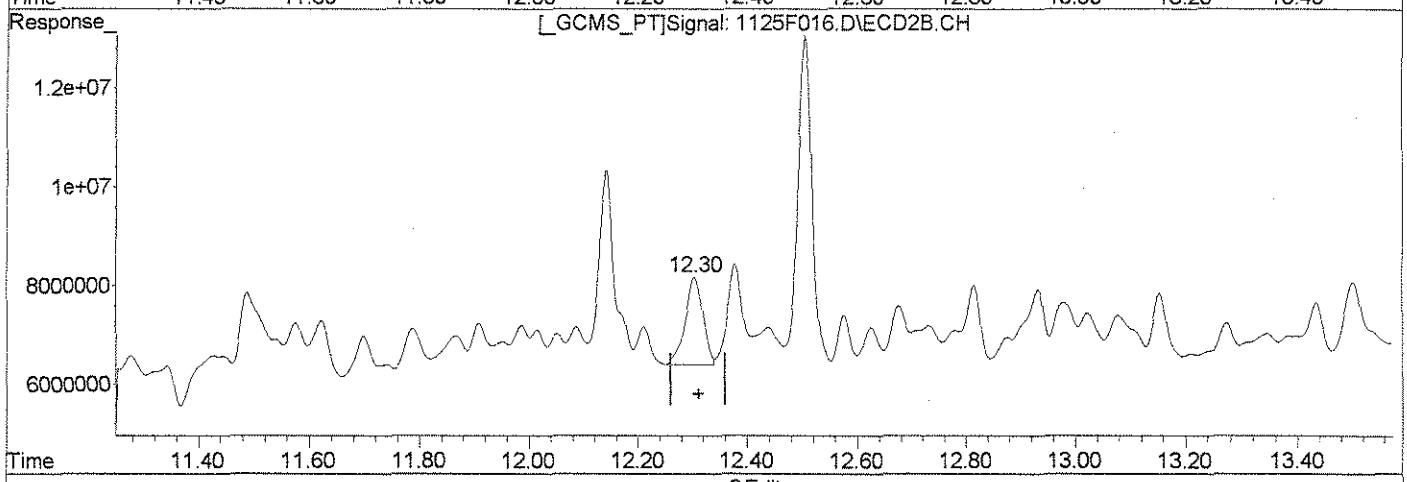
1125F016.D IS-GC23-101410-8081.M Fri Nov 26 11:29:18 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F016.D\ECD1A.CH Vial: 21
Signal #2 : J:\GC23\DATA\112510\1125F016.D\ECD2B.CH
Acq On : 25 Nov 2010 9:23 pm Operator: CCotnam
Sample : KWG1012933-4 | K1012914-002DMS | 8081A P Inst : GC23
Misc : SEMIVOA GC\W1012933\4-DMS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(27) Toxaphene

12.55min 596.726ug/L m

response 141668

(27) Toxaphene #2

12.30min 894.528ug/L

response 4014869

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F016.D IS-GC23-101410-8081.M Fri Nov 26 11:29:28 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Lab Control Sample	**Units:**	ug/Kg
Lab Code:	KWG1012933-5	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	**71.5**		5.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	**72.9**		5.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	**71.3**		5.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	**72.4**		5.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	**70.2**		5.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	**67.2**		5.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	**72.7**		5.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	**65.3**		5.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	**72.8**		5.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	**74.4**		5.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	**65.8**		5.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	**68.6**		5.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	**71.3**		5.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	**74.8**		5.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	**73.6**		5.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**71.8**		5.0	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	**870**		250	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	**903**		100	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	71	21-112	11/25/10	Acceptable
Decachlorobiphenyl	76	15-130	11/25/10	Acceptable

Comments:

Exception Report

Data File: J:\GC23\DATA\112510\1125F009.D
Lab ID: KWG1012933-5
RunType: LCS
Matrix: SEDIMENT

Date Acquired: 11/25/2010 18:15
Date Quantitated: 11/26/2010 11:17
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	1049536.916	4198147.666	
	1-Bromo-2-nitrobenzene {3}	0	1071424.583	4285698.333	

Primary Review: [illegible]

Secondary Review: [illegible] 11/29/10

Exception Report

Data File:	J:\GC23\DATA\112510\1125F009.D\1125F009C.D	**Date Acquired:**	11/25/2010 18:15
Lab ID:	KWG1012933-5	**Date Quantitated:**	11/26/2010 11:17
RunType:	LCS	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	5304341.91	21217367.66	NL
	1-Bromo-2-nitrobenzene {3}	0	5406153.91	21624615.66	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981924	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F009.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F009.D\1125F009c.d			**Vial:**	14
Acqu Date:	11/25/2010 18:15	**Quant Date:**	11/26/2010 11:17	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-5				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76 -0.08	5.51 -0.06	1693224	12252423	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.03 -0.01	7.06	2613331	16608965	71.00	66.59			71OK
					%Recovery =	71OK	67OK	Limits =	21-112	
1	Decachlorobiphenyl	16.49	15.59	2987673	21597732	100.33 CCV	75.58			76OK
					%Recovery =	100OK	76OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC	8.72	8.08	3850257	25803031	72.31	71.49	72.3	71.5	71.5
1	Hexachlorobenzene	8.85	7.91	2225059	15715180	51.78	42.08	51.8	42.1	42.1
1	beta-BHC	9.74	9.09	1768304	13339883	72.93	79.32	72.9	79.3	72.9
1	gamma-BHC (Lindane)	9.26	8.68	3674592	24869132	73.06	71.33	73.1	71.3	71.3
1	delta-BHC	10.14	9.53	3589021	25454642	72.42	73.27	72.4	73.3	72.4
1	Heptachlor	10.21	9.24	3802636	23744447	76.45	70.17	76.4	70.2	70.2
1	Aldrin	10.72	9.73 +0.01	3189838	21230497	67.20	68.00	67.2	68.0	67.2
1	Isodrin	11.24	10.37	2985805	19455206	76.14	74.09	76.1	74.1	74.1
1	Heptachlor Epoxide	11.42	10.58	3425231	22131193	75.44	72.65	75.4	72.7	72.7

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F009.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F009.D\1125F009c.d			**Vial:**	14
Acqu Date:	11/25/2010 18:15	**Quant Date:**	11/26/2010 11:17	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-5				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	gamma-Chlordane	11.91	10.93	3350055	21938396	75.01	70.61	75.0	70.6	**70.6**
1	Endosulfan I	12.04	11.16	2834538	18619197	68.67	65.27	68.7	65.3	**65.3**
1	alpha-Chlordane	11.98	11.08	3368678	21605815	76.02	72.05	76.0	72.0	**72.0**
1	Dieldrin	12.43	11.59	3294050	22312408	72.85	73.15	72.8	73.1	**72.8**
1	4,4'-DDE	12.24 +0.01	11.41	3078200	21111455	74.68	74.42	74.7	74.4	**74.4**
1	Endrin	12.77	12.06	2629994	18431278m	65.75	67.07	65.8	67.1	**65.8**
1	Endosulfan II	13.18	12.46	2818873m	19210711	69.58	68.56	69.6	68.6	**68.6**
1	4,4'-DDD	13.02	12.27	2588144	18008954	71.26	74.10	71.3	74.1	**71.3**
1	Endrin Aldehyde	13.35	12.81 +0.01	2537541	17633147	76.45	74.85	76.5	74.8	**74.8**
1	Endosulfan Sulfate	13.77	13.10	2829988	19813539	75.45	73.62	75.5	73.6	**73.6**
1	4,4'-DDT	13.47	12.68	2698082	18893791	71.80	78.78	71.8	78.8	**71.8**
1	Endrin Ketone	14.38	13.98	3677238	26182183	81.57	83.85	81.6	83.8	**81.6**
1	Methoxychlor	14.13	13.68	1640163	10188071	79.78	75.39	79.8	75.4	**75.4**
	Toxaphene			0	0	0.0000	0.0000	37U	37U	NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {2}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {3}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {4}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {5}			0d	0d	0.0000	0.0000	37U	37U	
2	Toxaphene {6}			0d	0d	0.0000	0.0000	37U	37U	
	Chlordane			0	0	0.0000	0.0000	22U	22U	NR
3	Chlordane {1}			0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {2}			0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {3}			0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {4}			0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {5}			0d	0d	0.0000	0.0000	22U	22U	
3	Chlordane {6}			0d	0d	0.0000	0.0000	22U	22U	
4	Chlorpyrifos			0d	0d	0.0000	0.0000	0.66U	0.66U	0.66U
4	Oxychlordane			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	cis-Nonachlor			0d	0d	0.0000	0.0000	0.57U	0.57U	0.57U
4	trans-Nonachlor			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
4	Mirex			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	Hexachloroethane			0d	0d	0.0000	0.0000	0.47U	0.47U	0.47U
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.94U	0.94U	0.94U
5	2,4'-DDD			0d	0d	0.0000	0.0000	1.4U	1.4U	1.4U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.50U	0.50U	0.50U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.00 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F009.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F009.D\1125F009c.d			**Vial:**	14
Acqu Date:	11/25/2010 18:15	**Quant Date:**	11/26/2010 11:17	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-5				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F009.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\112510\1125F009.D\ECD2B.CH
Acq On : 25 Nov 2010 6:15 pm Operator: CCotnam
Sample : KWG1012933-5 | LCS | 8081A PEST_OC | SED Inst : GC23
Misc : SEMIVOA GC\W1012933\5-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:29 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.76	5.51	1693224	12252423	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.03	7.06	2613331	16608965	70.996	66.594
25)	s	Decachlorobiphen	16.49f	15.59	2987673	21597732	100.333	75.584
		Target Compounds						
3)		alpha-BHC	8.72	8.08	3850257	25803031	72.309	71.493
4)		Hexachlorobenzen	8.85	7.91	2225059	15715180	51.776	42.084
5)		beta-BHC	9.74	9.09	1768304	13339883	72.933	79.322
6)		gamma-BHC (Linda	9.26	8.68	3674592	24869132	73.055	71.326
7)		delta-BHC	10.14	9.53	3589021	25454642	72.424	73.265
8)		Heptachlor	10.21	9.24	3802636	23744447	76.449	70.173
9)		Aldrin	10.72	9.73	3189838	21230497	67.197	68.000
10)		Isodrin	11.24	10.37	2985805	19455206	76.142	74.092
11)		Heptachlor Epoxi	11.42	10.58	3425231	22131193	75.438	72.651
12)		gamma-Chlordane	11.91	10.93	3350055	21938396	75.008	70.612
13)		Endosulfan I	12.04	11.16	2834538	18619197	68.672	65.267
14)		alpha-Chlordane	11.98	11.08	3368678	21605815	76.017	72.045
15)		Dieldrin	12.43	11.59	3294050	22312408	72.847	73.145
16)		4,4'-DDE	12.24	11.41	3078200	21111455	74.683	74.423
17)		Endrin	12.77	12.06	2629994	18431278	65.752	67.068m
18)		Endosulfan II	13.18	12.46	2818873	19210711	69.575m	68.562
19)		4,4'-DDD	13.02	12.27	2588144	18008954	71.260	74.099
20)		Endrin Aldehyde	13.35	12.81	2537541	17633147	76.451	74.845
21)		Endosulfan Sulfa	13.77	13.10	2829988	19813539	75.454	73.619
22)		4,4'-DDT	13.47	12.68	2698082	18893791	71.803	78.778
23)		Endrin Ketone	14.38	13.98	3677238	26182183	81.572	83.846
24)		Methoxychlor	14.13	13.68	1640163	10188071	79.777	75.386

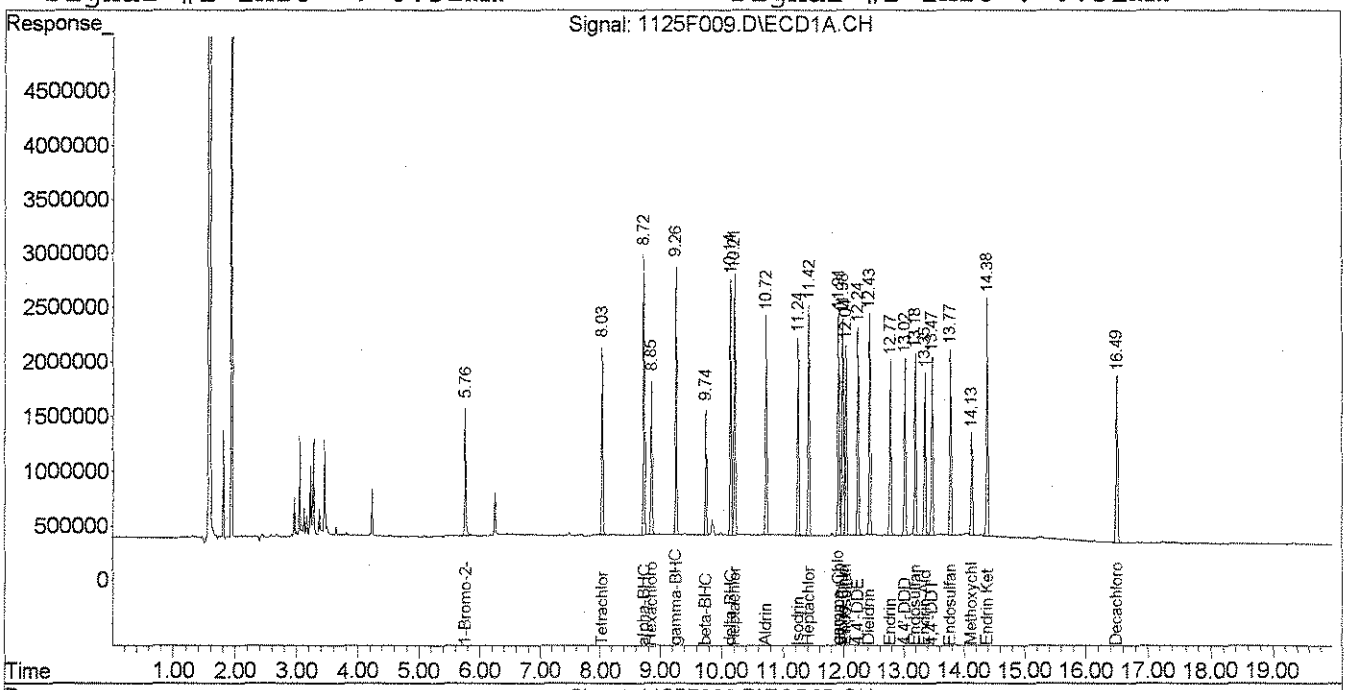
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

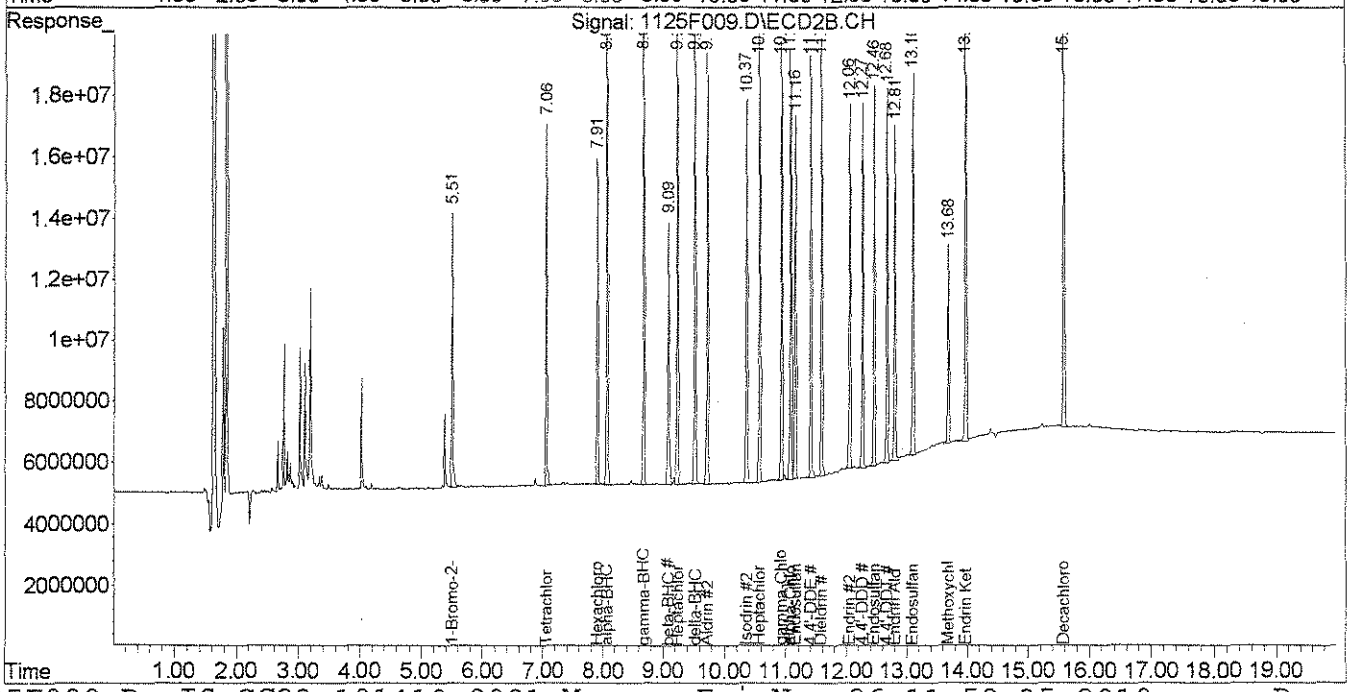
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F009.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\112510\1125F009.D\ECD2B.CH
Acq On : 25 Nov 2010 6:15 pm Operator: CCotnam
Sample : KWG1012933-5 | LCS | 8081A PEST_OC | SED Inst : GC23
Misc : SEMIVOA GC\W1012933\5-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:17 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

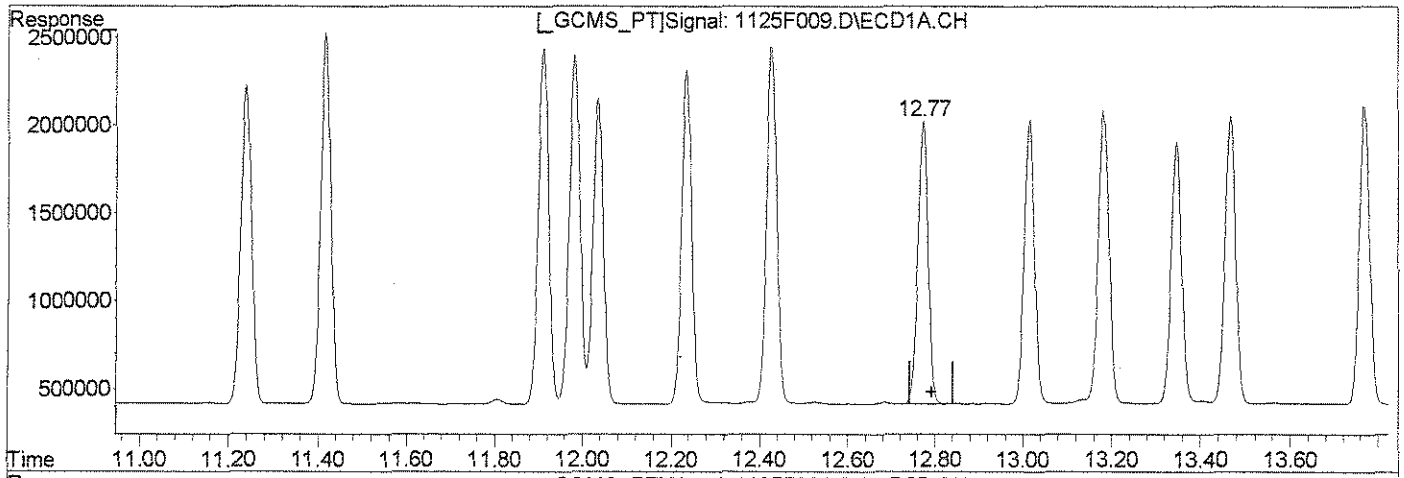


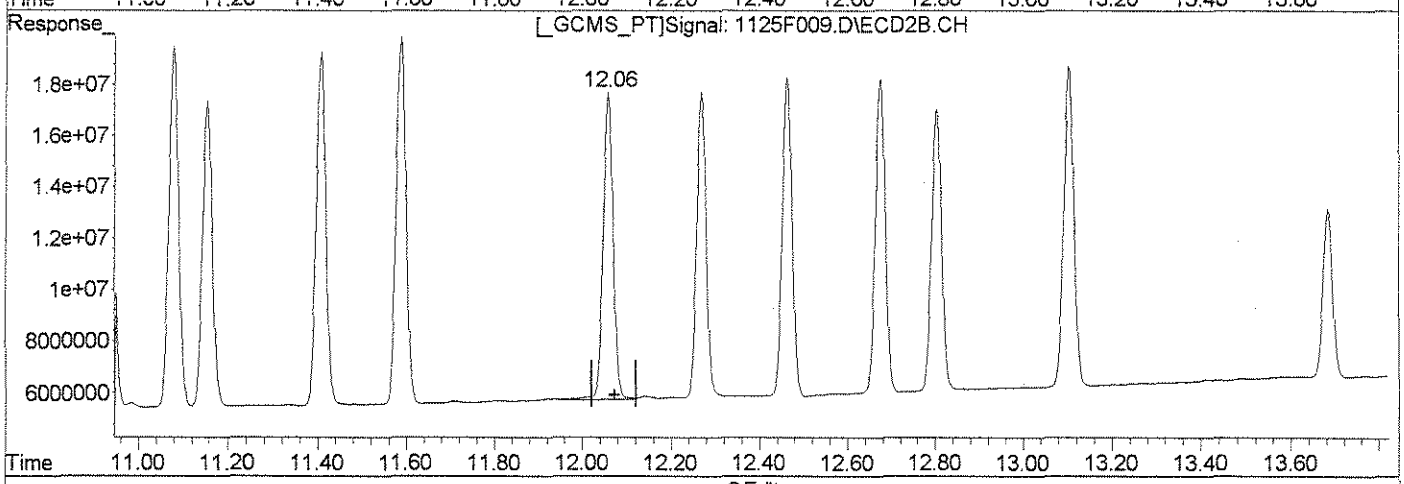


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F009.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\112510\1125F009.D\ECD2B.CH
Acq On : 25 Nov 2010 6:15 pm Operator: CCotnam
Sample : KWG1012933-5 | LCS | 8081A PEST_OC | SED Inst : GC23
Misc : SEMIVOA GC\W1012933\5-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





(17) Endrin

12.77min 65.752ug/L

response 2629994

(17) Endrin #2

12.06min 68.785ug/L

response 18903222

Manual Integration:

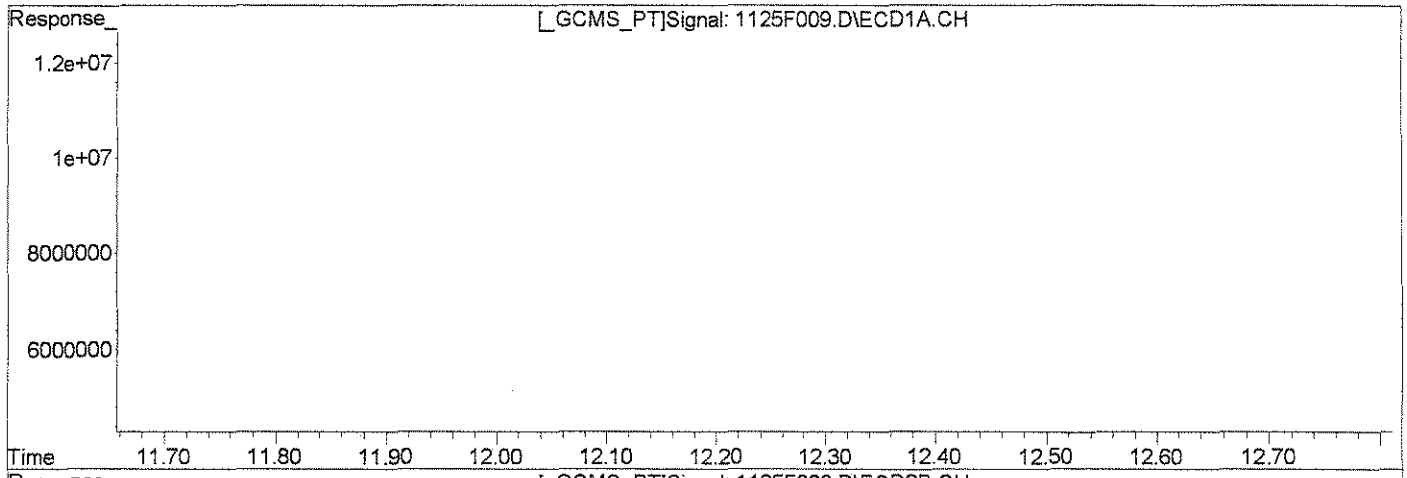
Before

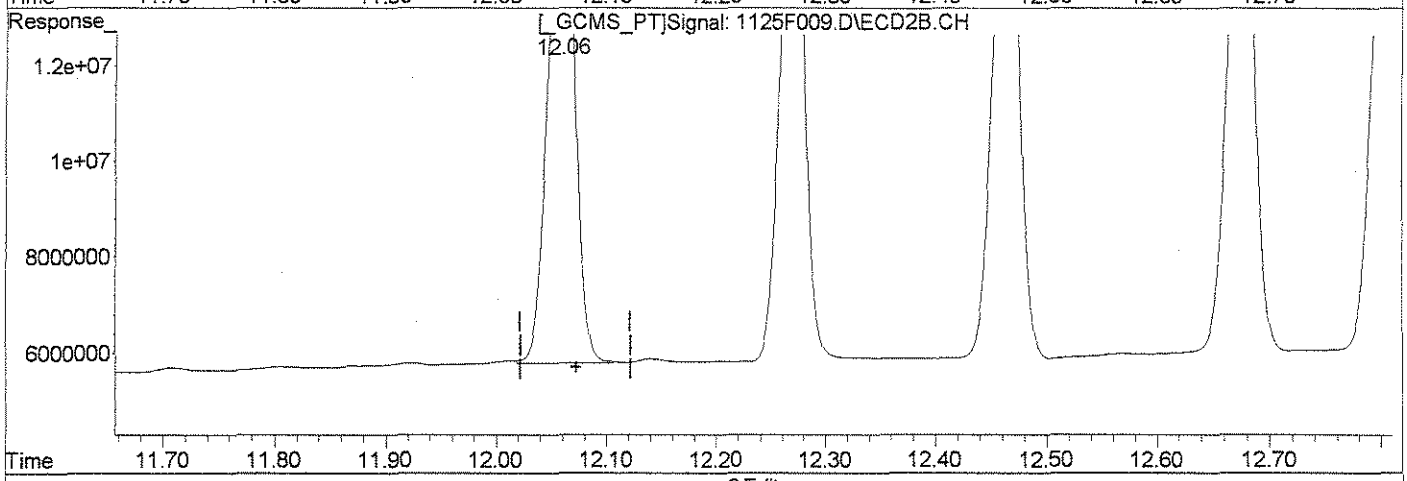
(+) = Expected Retention Time

1125F009.D IS-GC23-101410-8081.M Fri Nov 26 11:16:45 2010

Signal #1 : J:\GC23\DATA\112510\1125F009.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\112510\1125F009.D\ECD2B.CH
Acq On : 25 Nov 2010 6:15 pm Operator: CCotnam
Sample : KWG1012933-5 | LCS | 8081A PEST_OC | SED Inst : GC23
Misc : SEMIVOA GC\W1012933\5-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(17) Endrin
12.77min 65.752ug/L
response 2629994

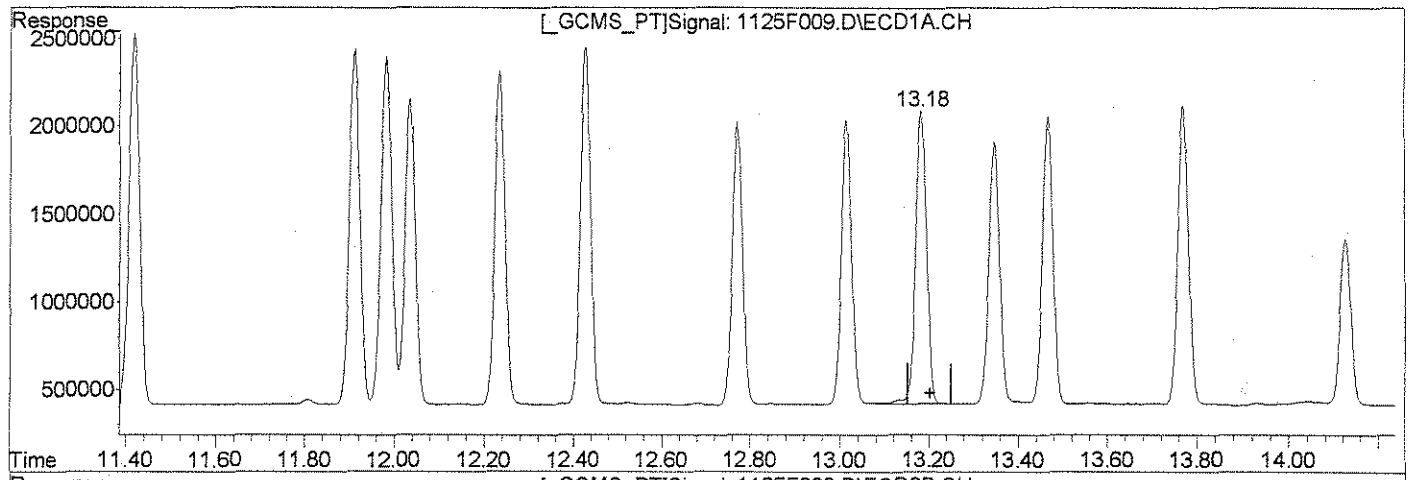
(17) Endrin #2
12.06min 67.068ug/L m
response 18431278

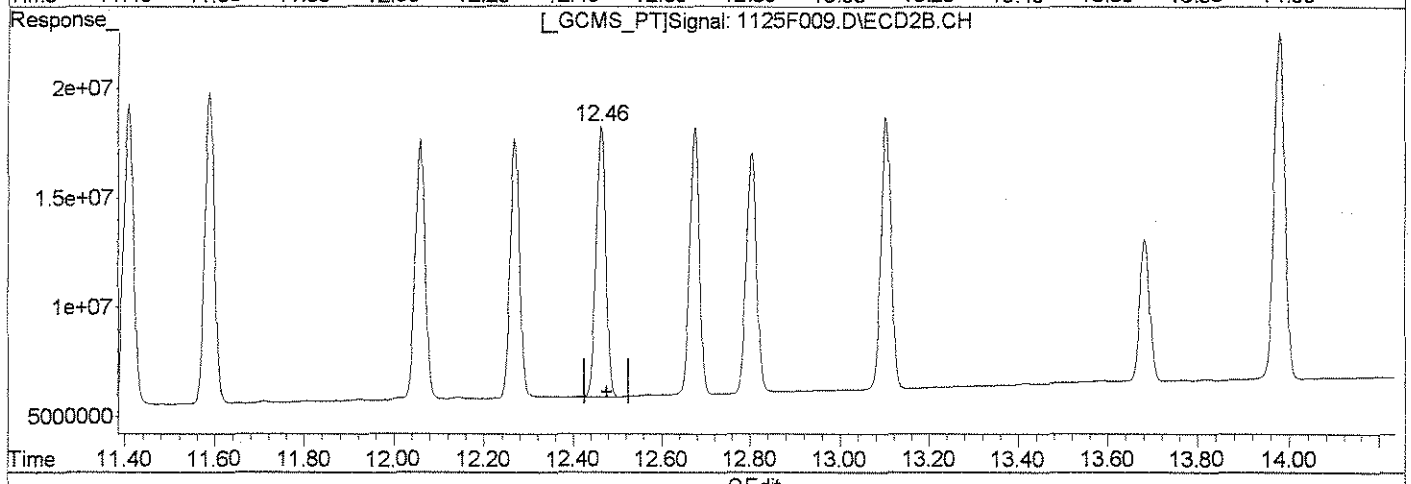
Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F009.D IS-GC23-101410-8081.M Fri Nov 26 11:16:52 2010

Signal #1 : J:\GC23\DATA\112510\1125F009.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\112510\1125F009.D\ECD2B.CH
Acq On : 25 Nov 2010 6:15 pm Operator: CCotnam
Sample : KWG1012933-5 | LCS | 8081A PEST_OC | SED Inst : GC23
Misc : SEMIVOA GC\W1012933\5-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(18) Endosulfan II

13.18min 71.249ug/L

response 2886684

(18) Endosulfan II #2

12.46min 68.562ug/L

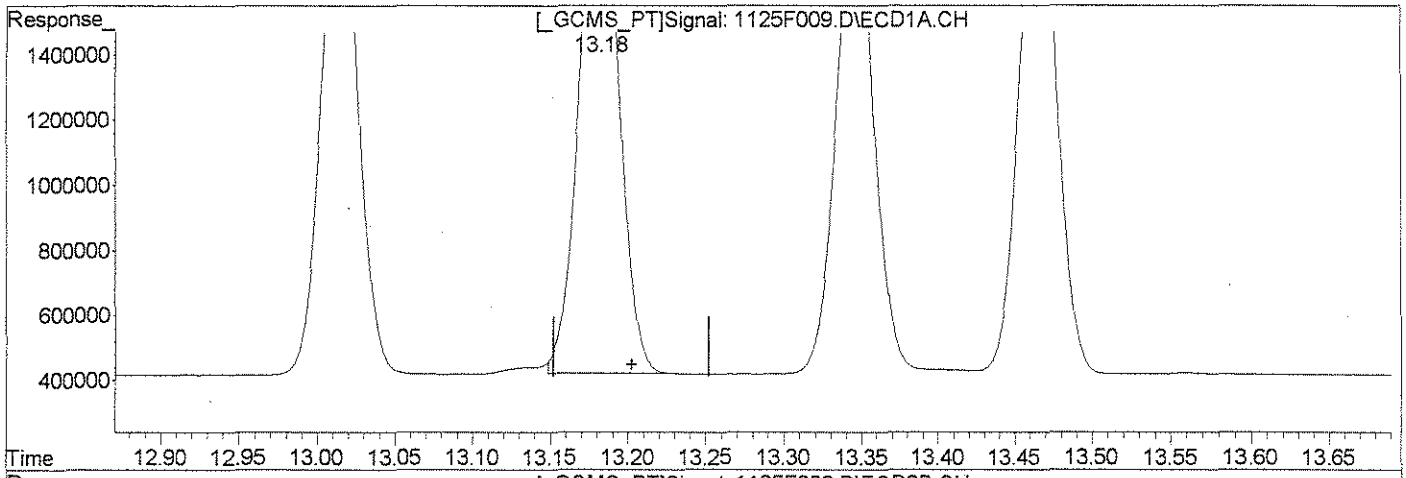
response 19210711

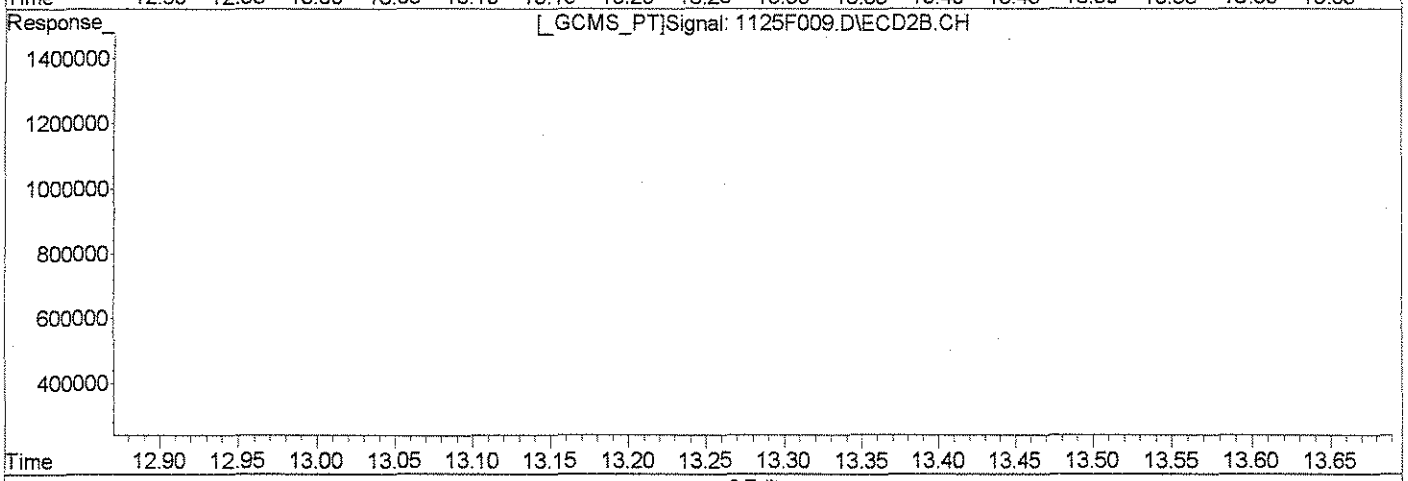
(+) = Expected Retention Time

1125F009.D IS-GC23-101410-8081.M Fri Nov 26 11:16:57 2010

Signal #1 : J:\GC23\DATA\112510\1125F009.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\112510\1125F009.D\ECD2B.CH
Acq On : 25 Nov 2010 6:15 pm Operator: CCotnam
Sample : KWG1012933-5 | LCS | 8081A PEST_OC | SED Inst : GC23
Misc : SEMIVOA GC\W1012933\5-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(18) Endosulfan II

13.18min 69.575ug/L m

response 2818873

(18) Endosulfan II #2

12.46min 68.562ug/L

response 19210711

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F009.D IS-GC23-101410-8081.M Fri Nov 26 11:17:11 2010

Exception Report

Data File:	J:\GC23\DATA\112510\1125F010.D	**Date Acquired:**	11/25/2010 18:42
Lab ID:	KWG1012933-5	**Date Quantitated:**	11/26/2010 11:18
RunType:	LCS	**Batch ID:**	KWG1012938
Matrix:	SEDIMENT	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.0	NA	20	NO
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	GOX
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: 11/29/10

Secondary Review: 11/30/10

Exception Report

Data File: J:\GC23\DATA\112510\1125F010.D\1125F010C.D
Lab ID: KWG1012933-5
RunType: LCS
Matrix: SEDIMENT

Date Acquired: 11/25/2010 18:42
Date Quantitated: 11/26/2010 11:18
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012933	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981924	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:	J:\GC23\DATA\112510\1125F008.D	**Method ID:**	MJ1016
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F010.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F010.D\1125F010c.d			**Vial:**	15
Acqu Date:	11/25/2010 18:42	**Quant Date:**	11/26/2010 11:18	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-5				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76 -0.08 c	5.51 -0.06 c	1665984	12114253	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76 -0.07 c	5.51 -0.05 c	1665984	12114253	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76 -0.08 c	5.51 -0.06 c	1665984	12114253	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04	7.06	2624515	16633210	72.47	67.45			NR
				%Recovery =		72OK	67OK	Limits =	21-112	
1	Decachlorobiphenyl	16.49	15.59	2929330	21408505	99.98 CCV	75.78			NR
				%Recovery =		100OK	76OK	Limits =	15-130	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000	0.35U	0.35U	NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000	0.47U	0.47U	0.47U
1	beta-BHC			0d	0d	0.0000	0.0000	0.50U	0.50U	NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000	0.45U	0.45U	NR
1	delta-BHC			0d	0d	0.0000	0.0000	0.37U	0.37U	NR
1	Heptachlor			0d	0d	0.0000	0.0000	0.83U	0.83U	NR
1	Aldrin			0d	0d	0.0000	0.0000	0.34U	0.34U	NR
1	Isodrin			0d	0d	0.0000	0.0000	0.30U	0.30U	0.30U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.39U	0.39U	NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F010.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F010.D\1125F010c.d			**Vial:**	15
Acqu Date:	11/25/2010 18:42	**Quant Date:**	11/26/2010 11:18	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-5				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000	0.60U	0.60U	NR
1	Endosulfan I			0d	0d	0.0000	0.0000	1.7U	1.7U	NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000	1.2U	1.2U	NR
1	Dieldrin			0d	0d	0.0000	0.0000	0.48U	0.48U	NR
1	4,4'-DDE			0d	0d	0.0000	0.0000	1.6U	1.6U	NR
1	Endrin			0d	0d	0.0000	0.0000	0.45U	0.45U	NR
1	Endosulfan II			0d	0d	0.0000	0.0000	0.86U	0.86U	NR
1	4,4'-DDD			0d	0d	0.0000	0.0000	1.0U	1.0U	NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000	1.4U	1.4U	NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000	0.57U	0.57U	NR
1	4,4'-DDT			0d	0d	0.0000	0.0000	0.85U	0.85U	NR
1	Endrin Ketone			0d	0d	0.0000	0.0000	0.55U	0.55U	NR
1	Methoxychlor			0d	0d	0.0000	0.0000	0.61U	0.61U	NR
	Toxaphene			0	0	869.98	910.81	870	910	870
2	Toxaphene {1}	12.55	12.31 +0.01	168676	4164745	731.38	956.63	731	957	
2	Toxaphene {2}	12.84 +0.01	12.38	457787	3997170	847.17	1,292	847	1290	
2	Toxaphene {3}	13.51 +0.01	12.58 +0.01	445384	1380694	1,078	851.20	1080	851	
2	Toxaphene {4}	13.74	12.82 +0.01	622427	2638431	1,034	971.07	1030	971	
2	Toxaphene {5}	14.25	13.02	304030m	902850m	614.86	514.52	615	515	
2	Toxaphene {6}	14.43	13.50	715657	3695360	914.48	879.82	914	880	
	Chlordane			0	0	936.98	902.82	940	900	900
3	Chlordane {1}	9.87 -0.01	8.96	1267599	6490131	760.52	608.90	761	609	
3	Chlordane {2}	10.21 -0.01	9.24 -0.01	2238275	13326220	1,001	953.67	1000	954	
3	Chlordane {3}	10.76 -0.01	10.93 -0.01	1236602	25055030	816.99	846.11	817	846	
3	Chlordane {4}	11.91 -0.01	10.97 -0.01	4647275	19823225	948.37	1,159	948	1160	
3	Chlordane {5}	11.98 -0.01	11.03 -0.01	3220671	9081750	839.43	1,056	839	1060	
3	Chlordane {6}	12.06	11.08 -0.01	3266245	19515689	1,256	793.94	1260	794	
4	Chlorpyrifos			0d	0d	0.0000	0.0000	0.66U	0.66U	0.66U
4	Oxychlordane			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	cis-Nonachlor			0d	0d	0.0000	0.0000	0.57U	0.57U	0.57U
4	trans-Nonachlor			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
4	Mirex			0d	0d	0.0000	0.0000	0.68U	0.68U	0.68U
4	Hexachloroethane			0d	0d	0.0000	0.0000	0.47U	0.47U	0.47U
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000	0.53U	0.53U	0.53U
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.94U	0.94U	0.94U
5	2,4'-DDD			0d	0d	0.0000	0.0000	1.4U	1.4U	1.4U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.50U	0.50U	0.50U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.00 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F010.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F010.D\1125F010c.d			**Vial:**	15
Acqu Date:	11/25/2010 18:42	**Quant Date:**	11/26/2010 11:18	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012933-5				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Signal #1 : J:\GC23\DATA\112510\1125F010.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\112510\1125F010.D\ECD2B.CH
Acq On : 25 Nov 2010 6:42 pm Operator: CCotnam
Sample : KWG1012933-6 | LCS | 8081A PEST_OC | SED Inst : GC23
Misc : SEMIVOA GC\W1012933\6-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:30 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

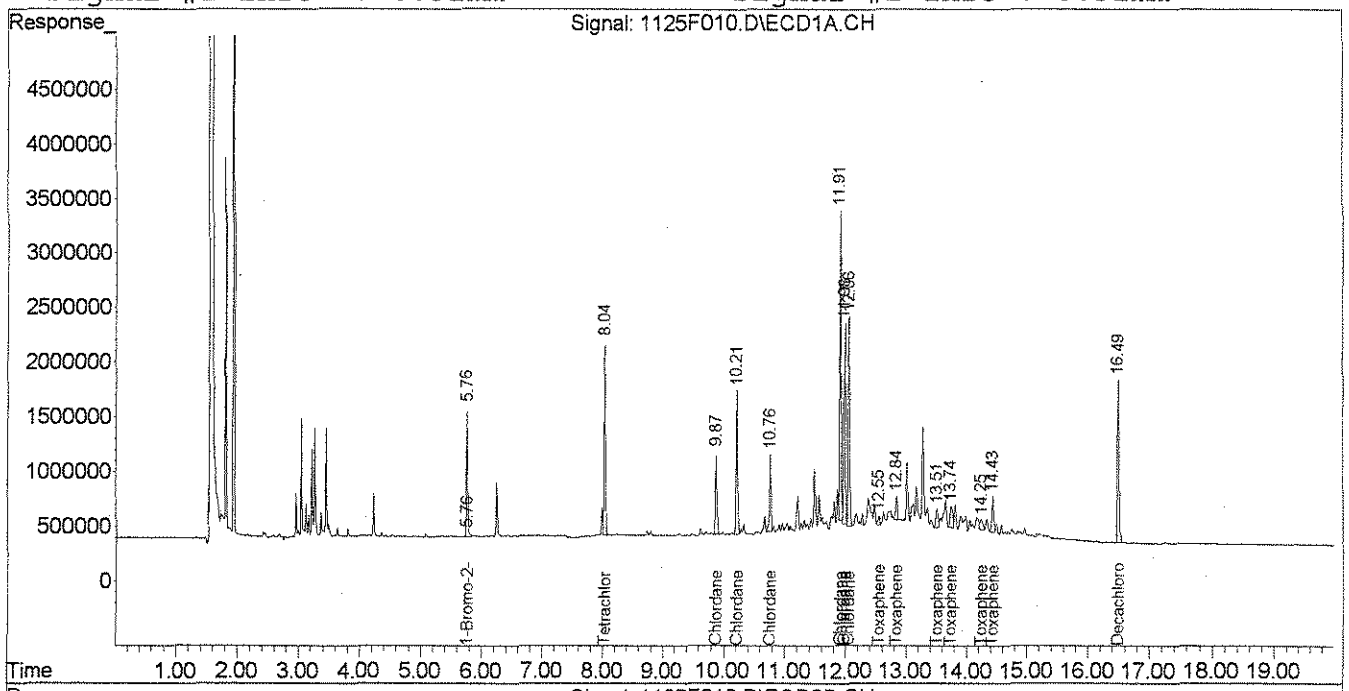
		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1665984	12114253	50.000	50.000	
26)		1-Bromo-2-nitrob	5.76	5.51	1665984	12114253	50.000	50.000	
33)		1-Bromo-2-nitrob	5.76	5.51	1665984	12114253	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.06	2624515	16633210	72.465	67.452	
25)	s	Decachlorobiphen	16.49f	15.59	2929330	21408505	99.982	75.777	
		Target Compounds							
27)		Toxaphene	12.55	12.31	168676	4164745	731.380	956.629	#
28)		Toxaphene {2}	12.84	12.38	457787	3997170	847.171	1291.627	#
29)		Toxaphene {3}	13.51	12.58	445384	1380694	1077.962	851.198	
30)		Toxaphene {4}	13.74	12.82	622427	2638431	1034.052	971.071	
31)		Toxaphene {5}	14.25	13.02	304030	902850	614.859m	514.517m	
32)		Toxaphene {6}	14.43	13.50	715657	3695360	914.478	879.819	
34)		Chlordane	9.87	8.96	1267599	6490131	760.519	608.904	
35)		Chlordane {2}	10.21	9.24	2238275	13326220	1000.504	953.674	
36)		Chlordane {3}	10.76	10.93	1236602	25055030	816.991	846.106	
37)		Chlordane {4}	11.91	10.97	4647275	19823225	948.365	1158.663	
38)		Chlordane {5}	11.98	11.03	3220671	9081750	839.433	1055.612	#
39)		Chlordane {6}	12.06	11.08	3266245	19515689	1256.081	793.940	#

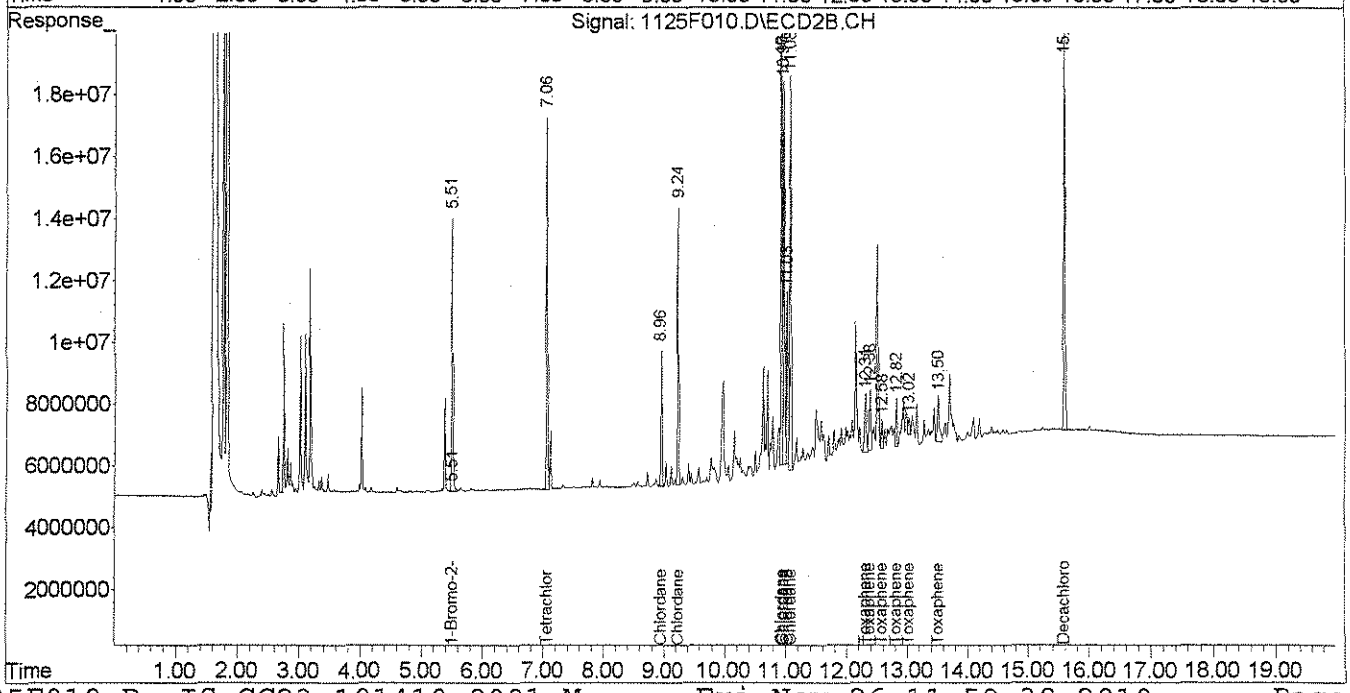
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : J:\GC23\DATA\112510\1125F010.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\112510\1125F010.D\ECD2B.CH
Acq On : 25 Nov 2010 6:42 pm Operator: CCotnam
Sample : KWG1012933-6 | LCS | 8081A PEST_OC | SED Inst : GC23
Misc : SEMIVOA GC\W1012933\6-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:18 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

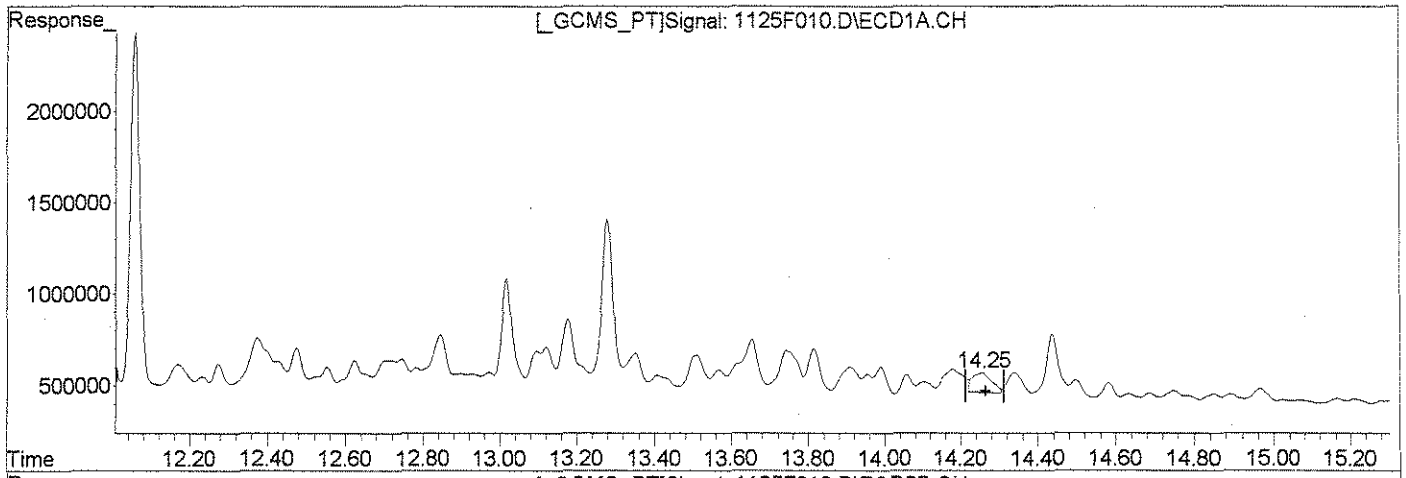
Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

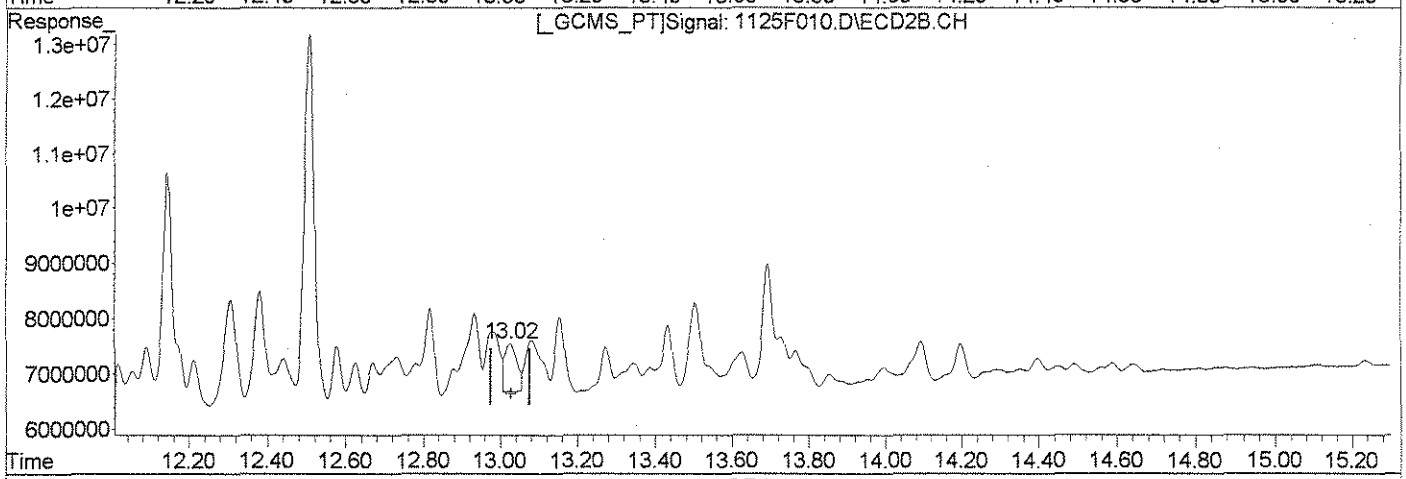




Signal #1 : J:\GC23\DATA\112510\1125F010.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\112510\1125F010.D\ECD2B.CH
Acq On : 25 Nov 2010 6:42 pm Operator: CCotnam
Sample : KWG1012933-6 | LCS | 8081A PEST_OC | SED Inst : GC23
Misc : SEMIVOA GC\W1012933\6-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.25min 733.659ug/L

response 362773

(31) Toxaphene {5} #2

13.02min 1039.889ug/L

response 1824748

Manual Integration:

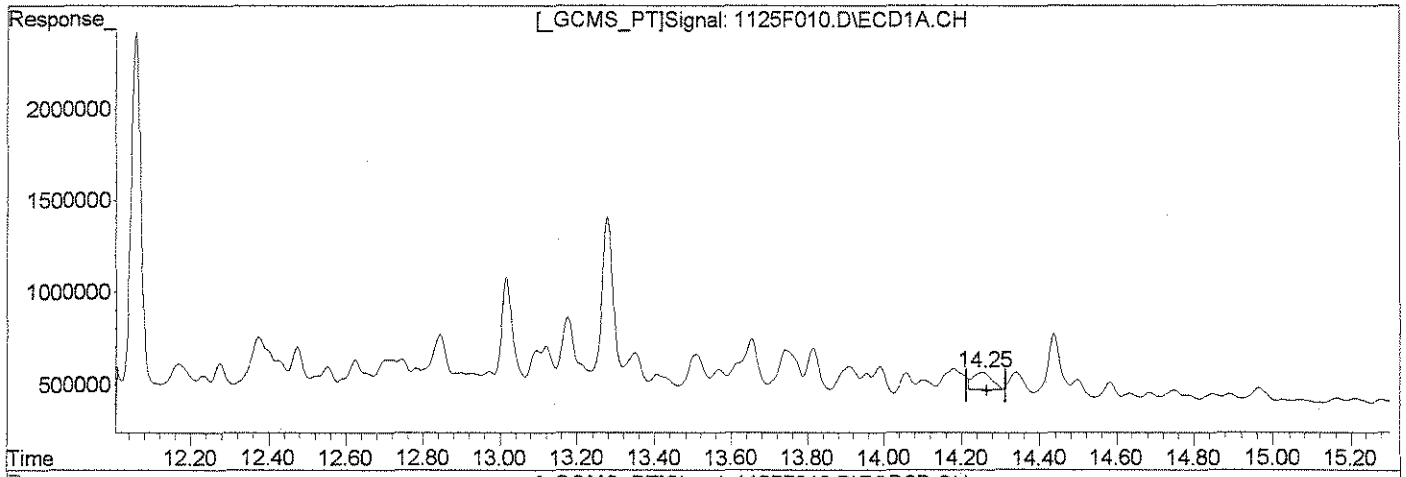
Before

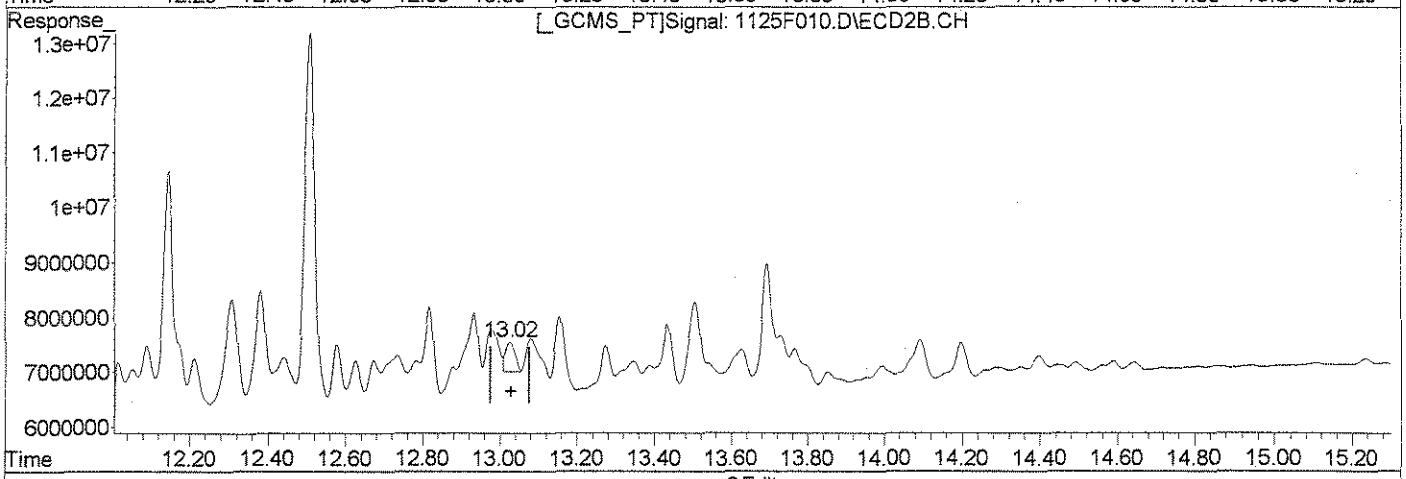
(+) = Expected Retention Time

1125F010.D IS-GC23-101410-8081.M Fri Nov 26 11:18:04 2010

Signal #1 : J:\GC23\DATA\112510\1125F010.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\112510\1125F010.D\ECD2B.CH
Acq On : 25 Nov 2010 6:42 pm Operator: CCotnam
Sample : KWG1012933-6 | LCS | 8081A PEST_OC | SED Inst : GC23
Misc : SEMIVOA GC\W1012933\6-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.25min 614.859ug/L m

response 304030

(31) Toxaphene {5} #2

13.02min 514.517ug/L m

response 902850

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time
1125F010.D IS-GC23-101410-8081.M Fri Nov 26 11:18:33 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Lab Control Sample	**Units:**	ug/WIPE
Lab Code:	KWG1012935-2	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	**0.775**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	**0.788**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	**0.770**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	**0.802**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	**0.752**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	**0.726**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	**0.777**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	**0.701**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	**0.794**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	**0.831**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	**0.733**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	**0.746**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	**0.757**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	**0.800**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	**0.801**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	**0.807**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	**8.93**		2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	**10.1**		1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	82	70-130	11/26/10	Acceptable
Decachlorobiphenyl	83	70-130	11/26/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F031.D	**Date Acquired:**	11/26/2010 04:06
Lab ID:	KWG1012935-2	**Date Quantitated:**	11/26/2010 11:51
RunType:	LCS	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.5	NA	15	NO
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	1049536.916	4198147.666	~~NA~~
	1-Bromo-2-nitrobenzene {3}	0	1071424.583	4285698.333	

Primary Review: 11/29/10

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F031.D\1125F031C.D	**Date Acquired:**	11/26/2010 04:06
Lab ID:	KWG1012935-2	**Date Quantitated:**	11/26/2010 11:51
RunType:	LCS	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	5304341.91	21217367.66	NR
	1-Bromo-2-nitrobenzene {3}	0	5406153.91	21624615.66	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WIPE
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012935	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981943	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:	J:\GC23\DATA\112510\1125F030.D	**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F031.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F031.D\1125F031c.d			**Vial:**	29
Acqu Date:	11/26/2010 04:06	**Quant Date:**	11/26/2010 11:51	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012935-2				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08	5.51	-0.06	1723272	12405686	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}					0d	0d	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}					0d	0d	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}					0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}					0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04	+0.01	7.07	+0.01	3084885	19497402	82.35	77.21			82OK
							%Recovery =	82OK	77OK	Limits =	70-130	
1	Decachlorobiphenyl	16.50	+0.01	15.59		3418321	24020113	112.79CCV	83.02			83OK
							%Recovery =	113OK	83OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC	8.73	+0.01	8.08		4277891	28306860	78.94	77.46	0.789	0.775	0.775
1	Hexachlorobenzene	8.85		7.91		3821046	26701747	87.36	70.62	0.874	0.706	0.706
1	beta-BHC	9.74		9.10	+0.01	1943861	13711739	78.78	80.53	0.788	0.805	0.788
1	gamma-BHC (Lindane)	9.27	+0.01	8.69	+0.01	4070411	27173537	79.51	76.97	0.795	0.770	0.770
1	delta-BHC	10.15	+0.01	9.53		4042757	28231939	80.16	80.26	0.802	0.803	0.802
1	Heptachlor	10.22	+0.01	9.25	+0.01	4182763	25768193	82.63	75.21	0.826	0.752	0.752
1	Aldrin	10.72		9.73	+0.01	3508204	23058873	72.62	72.94	0.726	0.729	0.726
1	Isodrin	11.24		10.37		3270453	21008240	81.95	79.02	0.819	0.790	0.790
1	Heptachlor Epoxide	11.42		10.58		3786479	23954895	81.94	77.67	0.819	0.777	0.777

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F031.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F031.D\1125F031c.d			**Vial:**	29
Acqu Date:	11/26/2010 04:06	**Quant Date:**	11/26/2010 11:51	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012935-2				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane	11.91	10.94 +0.01	3736963	23942152	82.21	76.11	0.822	0.761	**0.761**
1	Endosulfan I	12.04 +0.01	11.16	3119941	20246818	74.27	70.10	0.743	0.701	**0.701**
1	alpha-Chlordane	11.98	11.08	3760789	23584798	83.39	77.67	0.834	0.777	**0.777**
1	Dieldrin	12.43	11.59	3715377	24514376	80.73	79.37	0.807	0.794	**0.794**
1	4,4'-DDE	12.24 +0.01	11.41	3484473	23858435m	83.07	83.07	0.831	0.831	**0.831**
1	Endrin	12.77	12.06	2987473	20402076	73.39	73.32	0.734	0.733	**0.733**
1	Endosulfan II	13.19 +0.01	12.47 +0.01	3168745	21151349	76.85	74.56	0.768	0.746	**0.746**
1	4,4'-DDD	13.02 +0.01	12.27	2799932	19885721	75.75	80.81	0.757	0.808	**0.757**
1	Endrin Aldehyde	13.35	12.81 +0.01	2797680	19072692	82.82	79.96	0.828	0.800	**0.800**
1	Endosulfan Sulfate	13.77	13.11 +0.01	3195109	21834144	83.70	80.12	0.837	0.801	**0.801**
1	4,4'-DDT	13.47	12.68 +0.01	3086867	20795273	80.72	85.64	0.807	0.856	**0.807**
1	Endrin Ketone	14.39 +0.01	13.98	4189767	28545173	91.32	90.28	0.913	0.903	**0.903**
1	Methoxychlor	14.13	13.69 +0.01	1834970m	11179772	87.70	81.70	0.877	0.817	**0.817**
	Toxaphene			0	0	0.0000	0.0000	2.5U	2.5U	NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {2}			0d	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {3}			0d	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {4}			0d	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {5}			0d	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {6}			0d	0d	0.0000	0.0000	2.5U	2.5U	
	Chlordane			0	0	0.0000	0.0000	1.0U	1.0U	NR
3	Chlordane {1}			0d	0d	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {2}			0d	0d	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {3}			0d	0d	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {4}			0d	0d	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {5}			0d	0d	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {6}			0d	0d	0.0000	0.0000	1.0U	1.0U	
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
5	2,4'-DDD			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F031.D\ECD1A.CH Vial: 29
Signal #2 : J:\GC23\DATA\112510\1125F031.D\ECD2B.CH
Acq On : 26 Nov 2010 4:06 am Operator: CCotnam
Sample : KWG1012935-2 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\2-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:53 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1723272	12405686	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.07	3084885	19497402	82.345	77.210	
25)	s	Decachlorobiphen	16.50f	15.59	3418321	24020113	112.793	83.023	#
		Target Compounds							
3)		alpha-BHC	8.73	8.08	4277891	28306860	78.939	77.462	
4)		Hexachlorobenzen	8.85	7.91	3821046	26701747	87.364	70.621	
5)		beta-BHC	9.74	9.10	1943861	13711739	78.776	80.526	
6)		gamma-BHC (Linda	9.27	8.69	4070411	27173537	79.514	76.972	
7)		delta-BHC	10.15	9.53	4042757	28231939	80.158	80.255	
8)		Heptachlor	10.22	9.25	4182763	25768193	82.625	75.213	
9)		Aldrin	10.72	9.73	3508204	23058873	72.615	72.943	
10)		Isodrin	11.24	10.37	3270453	21008240	81.947	79.018	
11)		Heptachlor Epoxi	11.42	10.58	3786479	23954895	81.940	77.666	
12)		gamma-Chlordane	11.91	10.94	3736963	23942152	82.212	76.109	
13)		Endosulfan I	12.04	11.16	3119941	20246818	74.269	70.095	
14)		alpha-Chlordane	11.98	11.08	3760789	23584798	83.386	77.673	
15)		Dieldrin	12.43	11.59	3715377	24514376	80.732	79.370	
16)		4,4'-DDE	12.24	11.41	3484473	23858435	83.066	83.067m	
17)		Endrin	12.77	12.06	2987473	20402076	73.387	73.322	
18)		Endosulfan II	13.19	12.47	3168745	21151349	76.847	74.555	
19)		4,4'-DDD	13.02	12.27	2799932	19885721	75.746	80.810	
20)		Endrin Aldehyde	13.35	12.81	2797680	19072692	82.819	79.955	
21)		Endosulfan Sulfa	13.77	13.11	3195109	21834144	83.703	80.124	
22)		4,4'-DDT	13.47	12.68	3086867	20795273	80.718	85.635	
23)		Endrin Ketone	14.39	13.98	4189767	28545173	91.321	90.283	
24)		Methoxychlor	14.13	13.69	1834970	11179772	87.697m	81.702	

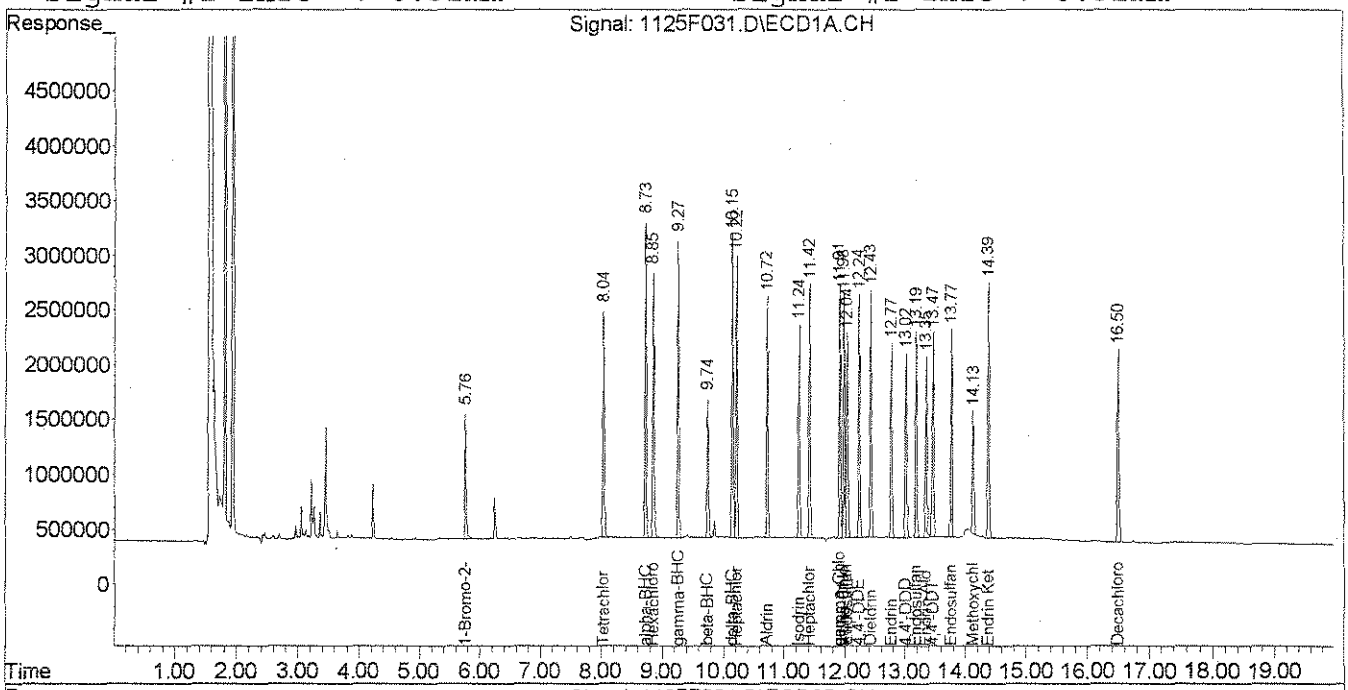
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

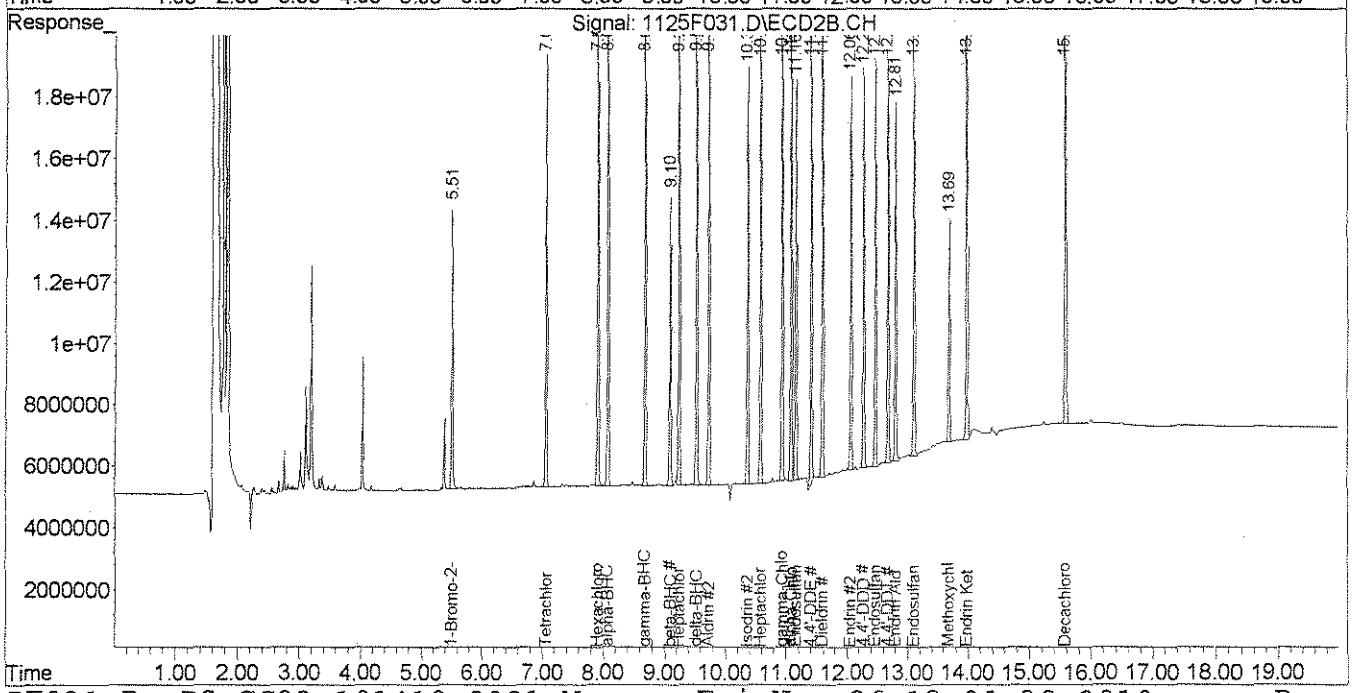
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F031.D\ECD1A.CH Vial: 29
Signal #2 : J:\GC23\DATA\112510\1125F031.D\ECD2B.CH
Acq On : 26 Nov 2010 4:06 am Operator: CCotnam
Sample : KWG1012935-2 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\2-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:51 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

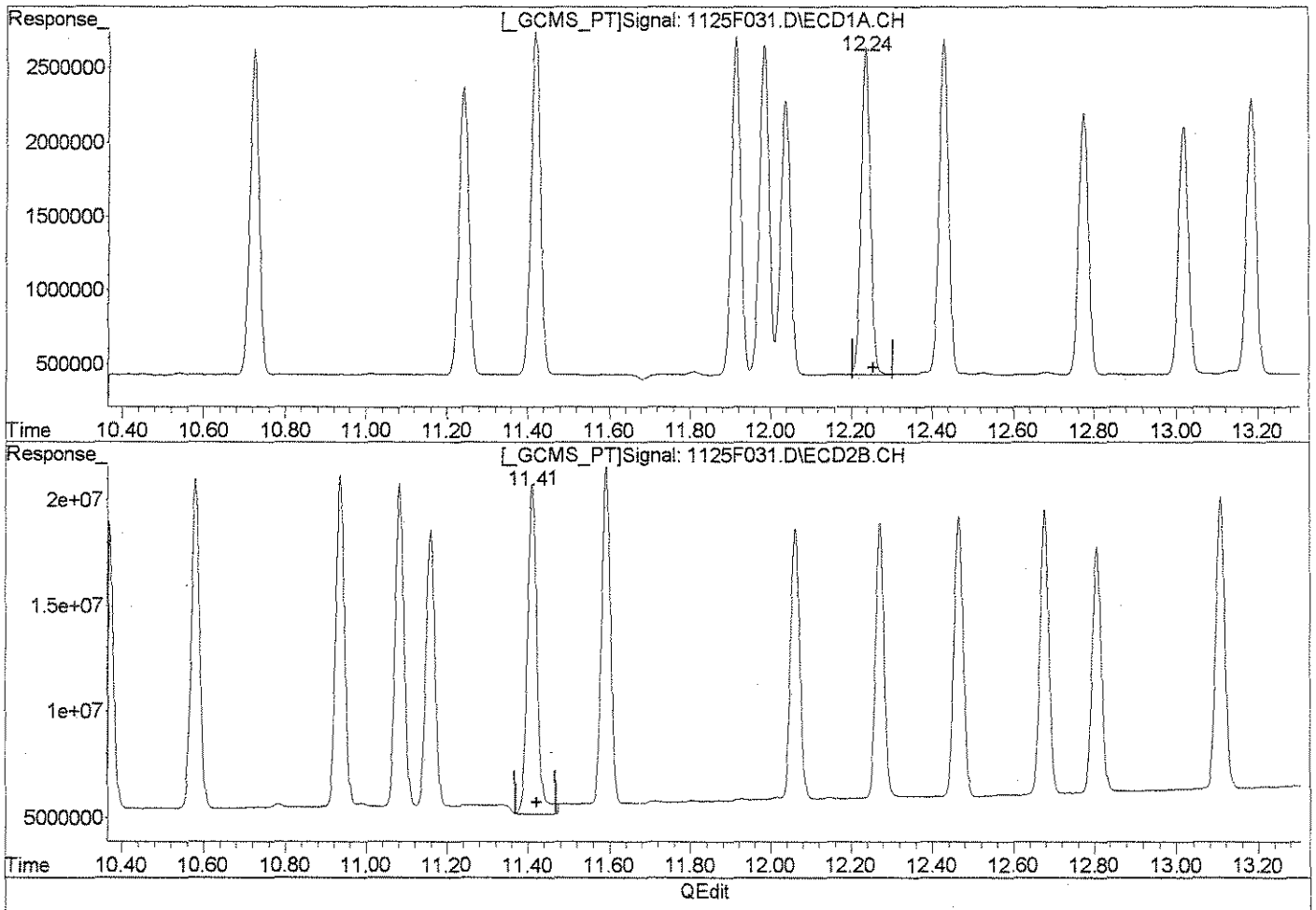




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F031.D\ECD1A.CH Vial: 29
Signal #2 : J:\GC23\DATA\112510\1125F031.D\ECD2B.CH
Acq On : 26 Nov 2010 4:06 am Operator: CCotnam
Sample : KWG1012935-2 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\2-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(16) 4,4'-DDE

12.24min 83.066ug/L

response 3484473

(16) 4,4'-DDE #2

11.41min 88.519ug/L

response 25424364

Manual Integration:

Before

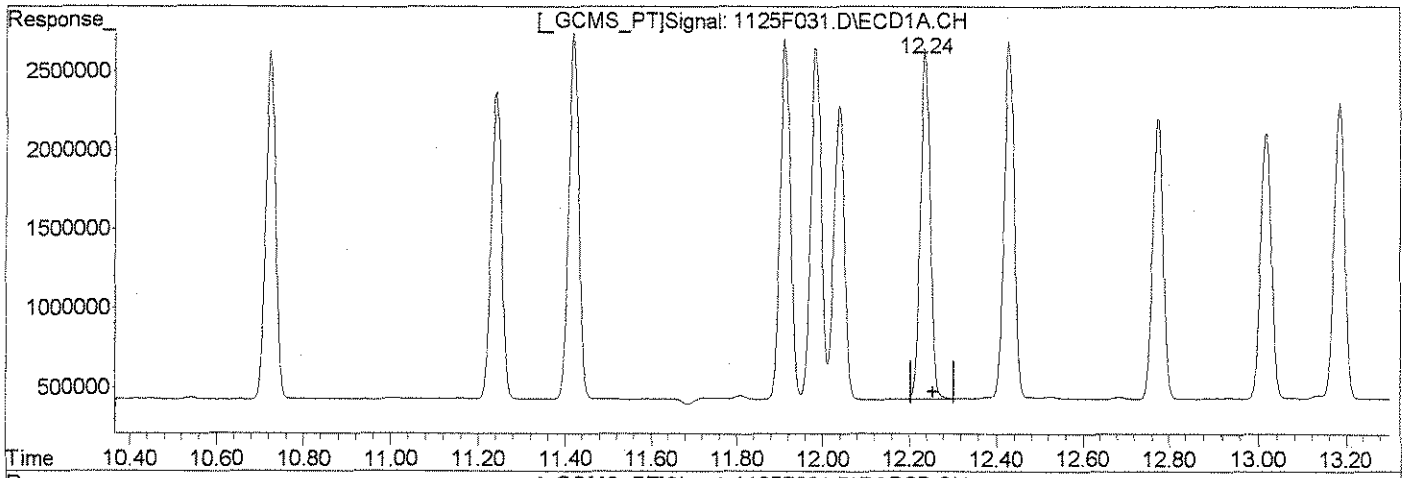
(+) = Expected Retention Time

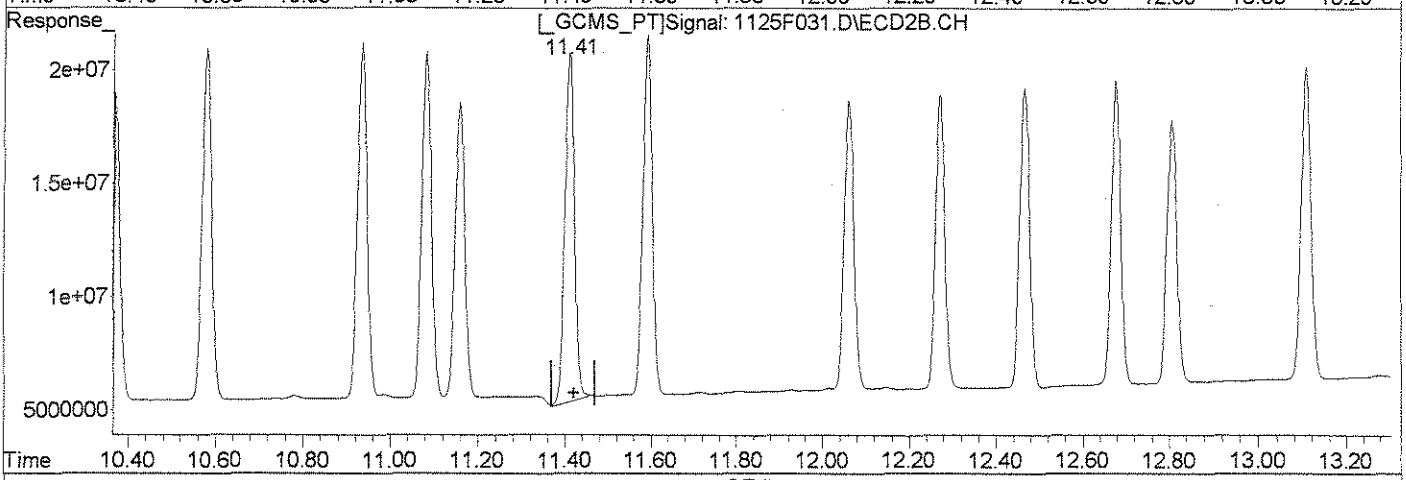
1125F031.D IS-GC23-101410-8081.M Fri Nov 26 11:50:51 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F031.D\ECD1A.CH Vial: 29
Signal #2 : J:\GC23\DATA\112510\1125F031.D\ECD2B.CH
Acq On : 26 Nov 2010 4:06 am Operator: CCotnam
Sample : KWG1012935-2 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\2-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(16) 4,4'-DDE
12.24min 83.066ug/L
response 3484473

(16) 4,4'-DDE #2
11.41min 83.067ug/L m
response 23858435

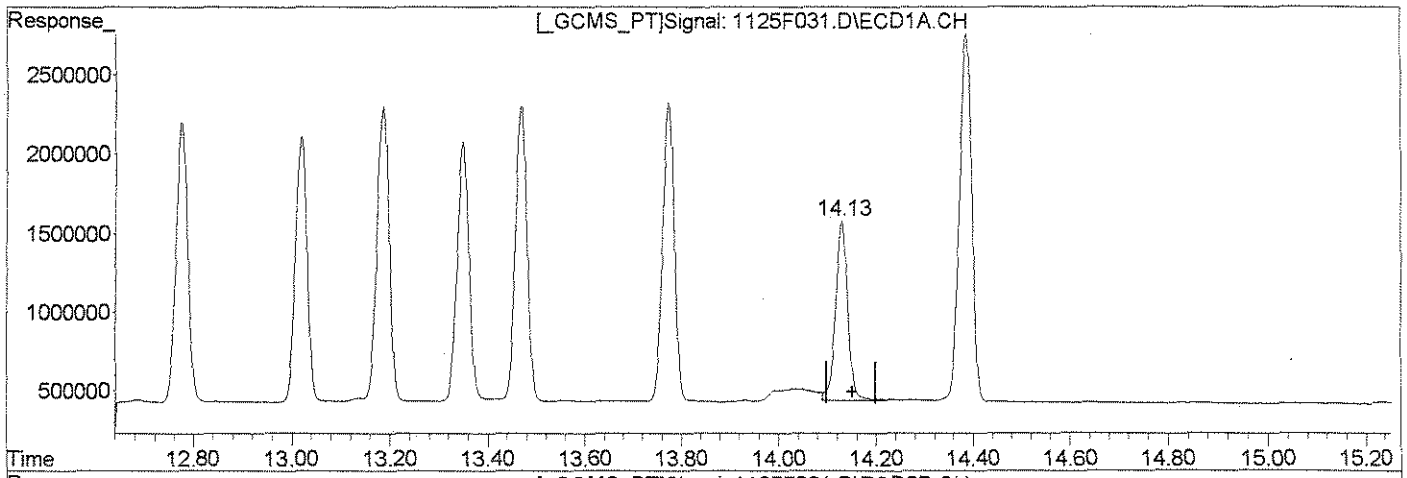
Manual Integration:
After
Baseline/Shoulder
11/26/10

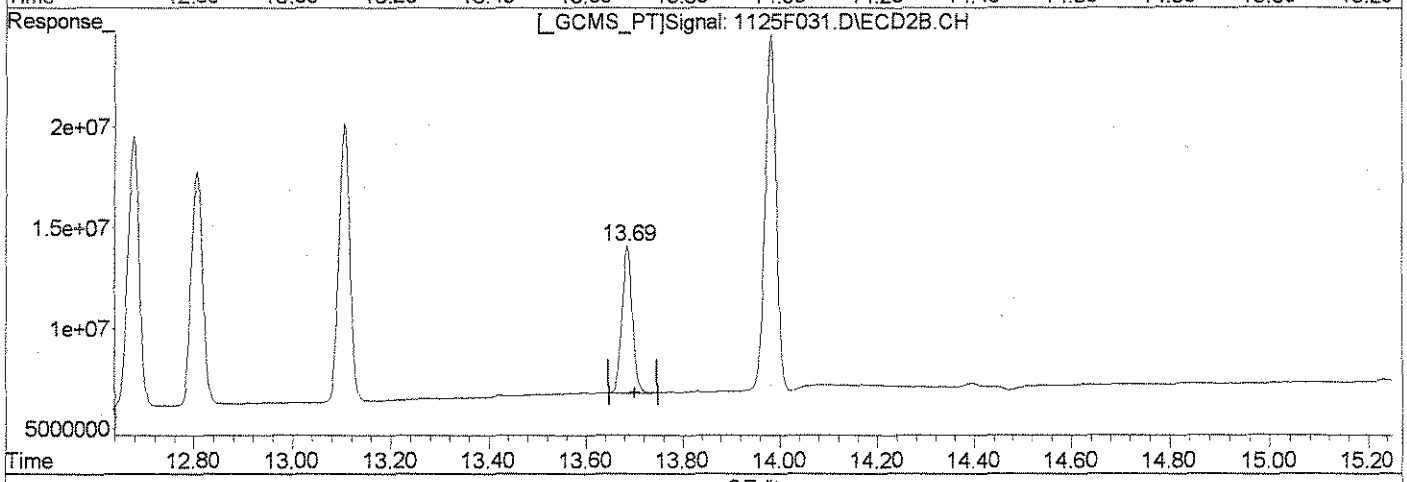
(+) = Expected Retention Time
1125F031.D IS-GC23-101410-8081.M Fri Nov 26 11:51:01 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F031.D\ECD1A.CH Vial: 29
Signal #2 : J:\GC23\DATA\112510\1125F031.D\ECD2B.CH
Acq On : 26 Nov 2010 4:06 am Operator: CCotnam
Sample : KWG1012935-2 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\2-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(24) Methoxychlor

14.13min 95.522ug/L

response 1998708

(24) Methoxychlor #2

13.69min 81.702ug/L

response 11179772

Manual Integration:

Before

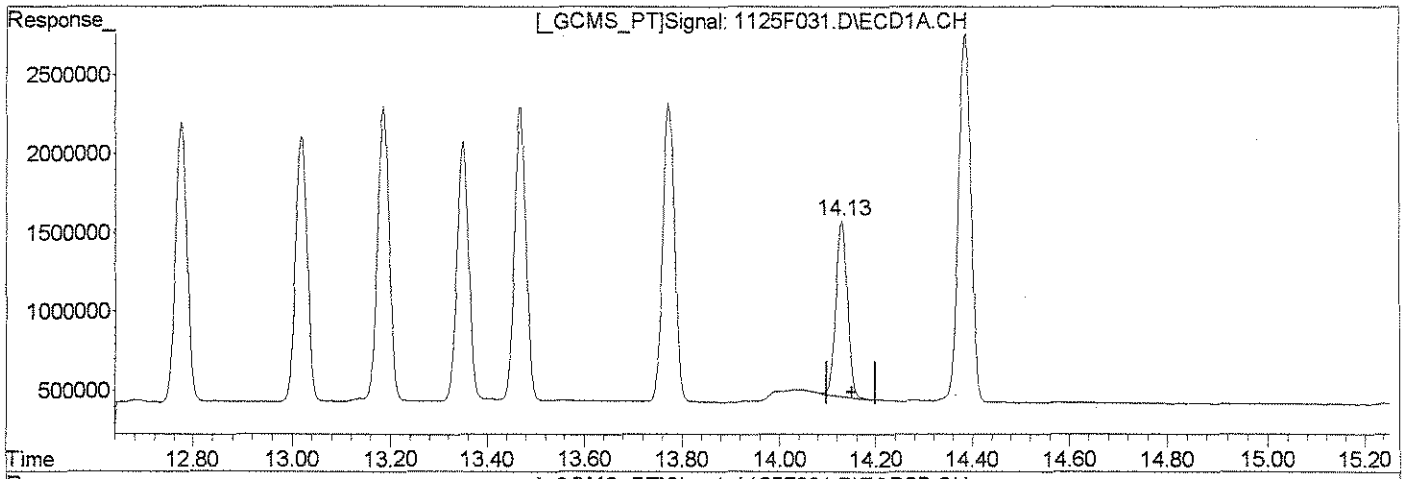
(+) = Expected Retention Time

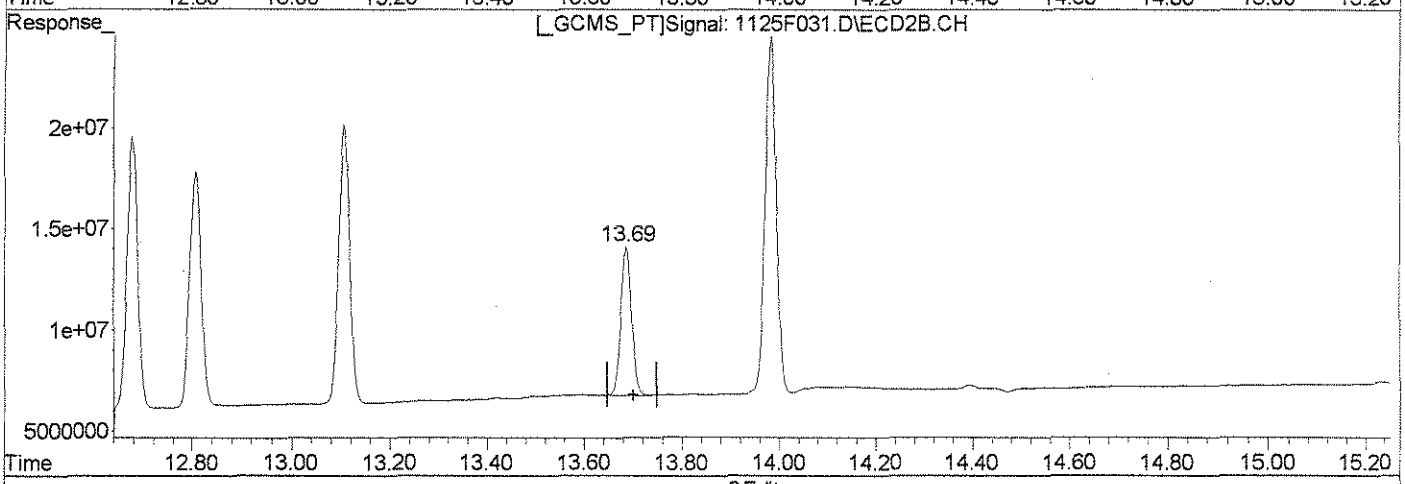
1125F031.D IS-GC23-101410-8081.M Fri Nov 26 11:51:11 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F031.D\ECD1A.CH Vial: 29
Signal #2 : J:\GC23\DATA\112510\1125F031.D\ECD2B.CH
Acq On : 26 Nov 2010 4:06 am Operator: CCotnam
Sample : KWG1012935-2 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\2-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(24) Methoxychlor

14.13min 87.697ug/L m

response 1834970

(24) Methoxychlor #2

13.69min 81.702ug/L

response 11179772

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F031.D IS-GC23-101410-8081.M Fri Nov 26 11:51:17 2010

Exception Report

Data File: J:\GC23\DATA\112510\1125F033.D
Lab ID: KWG1012935-2
RunType: LCS
Matrix: WIPE

Date Acquired: 11/26/2010 05:00
Date Quantitated: 11/26/2010 11:53
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.5	NA	15	ND
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	GX
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: 11/29/10

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F033.D\1125F033C.D	**Date Acquired:**	11/26/2010 05:00
Lab ID:	KWG1012935-2	**Date Quantitated:**	11/26/2010 11:53
RunType:	LCS	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	GA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WIPE
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012935	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981943	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:	J:\GC23\DATA\112510\1125F030.D	**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F033.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F033.D\1125F033c.d			**Vial:**	31
Acqu Date:	11/26/2010 05:00	**Quant Date:**	11/26/2010 11:53	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012935-2				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76 -0.08 c	5.51 -0.06 c	1823241	13211498	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76 -0.07 c	5.51 -0.05 c	1823241	13211498	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76 -0.08 c	5.51 -0.06 c	1823241	13211498	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04 +0.01	7.06	3409610	21510620	86.02	79.99			NR
				%Recovery =		86OK	80OK	Limits =	70-130	
1	Decachlorobiphenyl	16.50 +0.01	15.59	3617550	25612734	112.82 CCV	83.13			NR
				%Recovery =		113OK	83OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	beta-BHC			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	delta-BHC			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Heptachlor			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Aldrin			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Isodrin			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.050U	0.050U	NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F033.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F033.D\1125F033c.d			**Vial:**	31
Acqu Date:	11/26/2010 05:00	**Quant Date:**	11/26/2010 11:53	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012935-2				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endosulfan I			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Dieldrin			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	4,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endrin			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endosulfan II			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	4,4'-DDD			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	4,4'-DDT			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endrin Ketone			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Methoxychlor			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
	Toxaphene			0	0	892.71	941.74	8.9	9.4	8.9
2	Toxaphene {1}	12.56 +0.01	12.31	147775	5080436	585.49	1,070	5.85	10.7	
2	Toxaphene {2}	12.84	12.38	625893	4192207m	1,058	1,242	10.6	12.4	
2	Toxaphene {3}	13.51	12.58 +0.01	518690	1606664	1,147	908.24	11.5	9.08	
2	Toxaphene {4}	13.74	12.82	698602	2944769	1,061	993.81	10.6	9.94	
2	Toxaphene {5}	14.26 +0.01	13.03 +0.01	281372m	947961m	519.96	495.36	5.20	4.95	
2	Toxaphene {6}	14.44	13.51 +0.01	843483	4309503	984.85	940.82	9.85	9.41	
	Chlordane			0	0	1,066	1,008	11	10	10
3	Chlordane {1}	9.88 +0.01	8.96	1459401	7942709	800.07	683.30	8.00	6.83	
3	Chlordane {2}	10.22 +0.01	9.25 +0.01	2787072	16443769	1,138	1,079	11.4	10.8	
3	Chlordane {3}	10.77 +0.01	10.94	1617230	31130016	976.31	963.95	9.76	9.64	
3	Chlordane {4}	11.92	10.98	6002952	23230570	1,119	1,245	11.2	12.5	
3	Chlordane {5}	11.99 +0.01	11.03	4046867	11456913	963.80	1,221	9.64	12.2	
3	Chlordane {6}	12.06	11.09 +0.01	3982484	23009043	1,399	858.32	14.0	8.58	
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
5	2,4'-DDD			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F033.D\ECD1A.CH Vial: 31
Signal #2 : J:\GC23\DATA\112510\1125F033.D\ECD2B.CH
Acq On : 26 Nov 2010 5:00 am Operator: CCotnam
Sample : KWG1012935-4 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\4-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:55 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1823241	13211498	50.000	50.000	
26)		1-Bromo-2-nitrob	5.76	5.51	1823241	13211498	50.000	50.000	
33)		1-Bromo-2-nitrob	5.76	5.51	1823241	13211498	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.06	3409610	21510620	86.023	79.986	
25)	s	Decachlorobiphen	16.50	15.59	3617550	25612734	112.822	83.128	#
		Target Compounds							
27)		Toxaphene	12.56	12.31	147775	5080436	585.487	1070.041	#
28)		Toxaphene {2}	12.84	12.38	625893	4192207	1058.363	1242.144m	
29)		Toxaphene {3}	13.51	12.58	518690	1606664	1147.106	908.244	
30)		Toxaphene {4}	13.74	12.82	698602	2944769	1060.500	993.805	
31)		Toxaphene {5}	14.26	13.03	281372	947961	519.956m	495.358m	
32)		Toxaphene {6}	14.44	13.51	843483	4309503	984.853	940.823	
34)		Chlordane	9.88	8.96	1459401	7942709	800.073	683.295	
35)		Chlordane {2}	10.22	9.25	2787072	16443769	1138.362	1079.043	
36)		Chlordane {3}	10.77	10.94	1617230	31130016	976.306	963.949	
37)		Chlordane {4}	11.92	10.98	6002952	23230570	1119.358	1245.051	
38)		Chlordane {5}	11.99	11.03	4046867	11456913	963.796	1221.088	#
39)		Chlordane {6}	12.06	11.09	3982484	23009043	1399.425	858.316	#

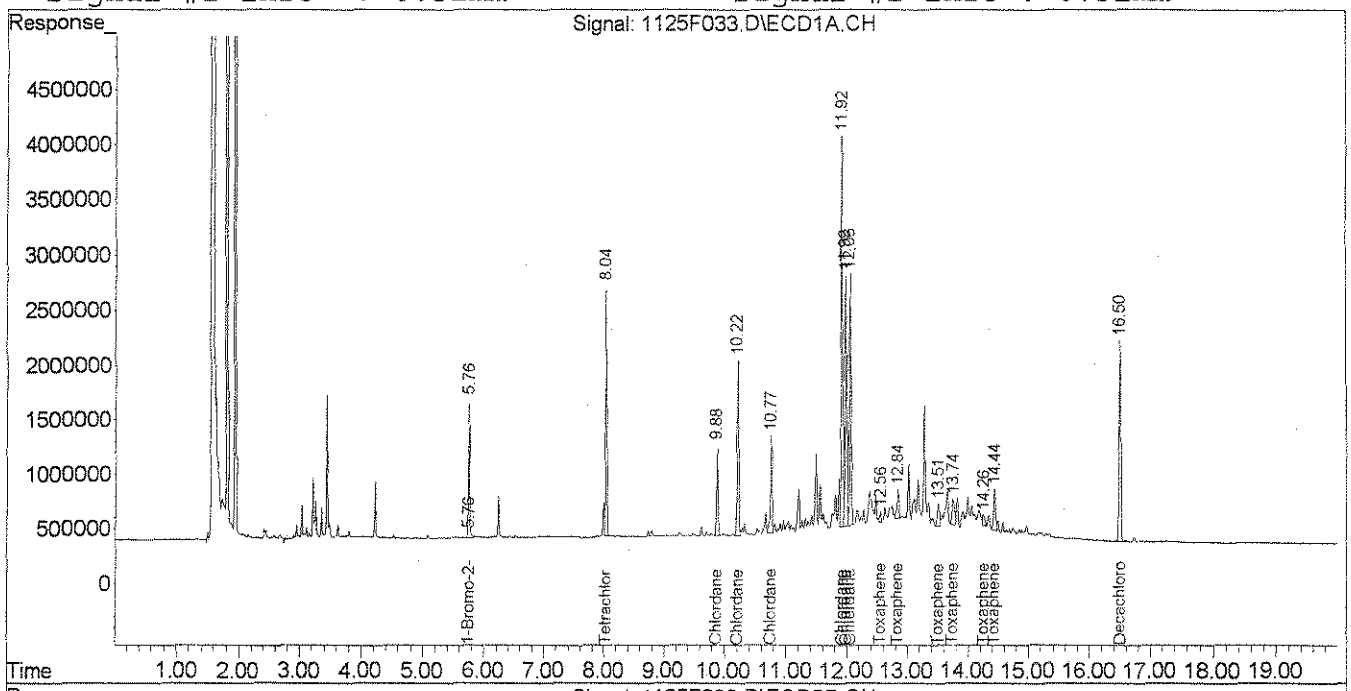
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

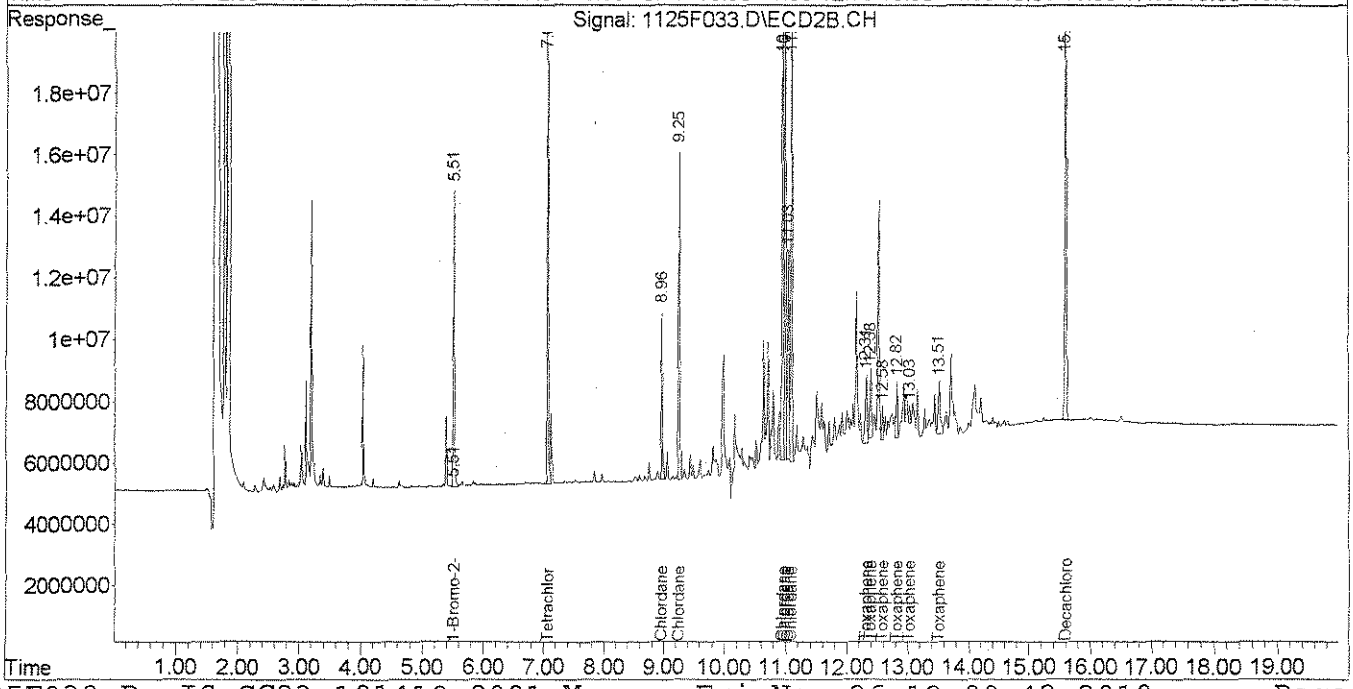
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F033.D\ECD1A.CH Vial: 31
Signal #2 : J:\GC23\DATA\112510\1125F033.D\ECD2B.CH
Acq On : 26 Nov 2010 5:00 am Operator: CCotnam
Sample : KWG1012935-4 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\4-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:53 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

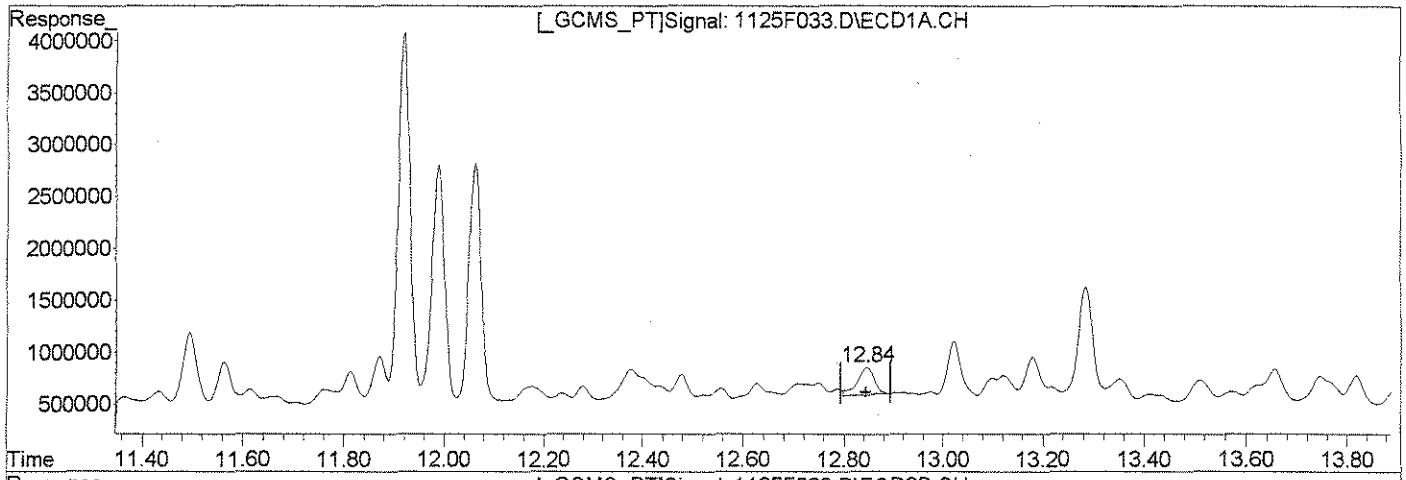


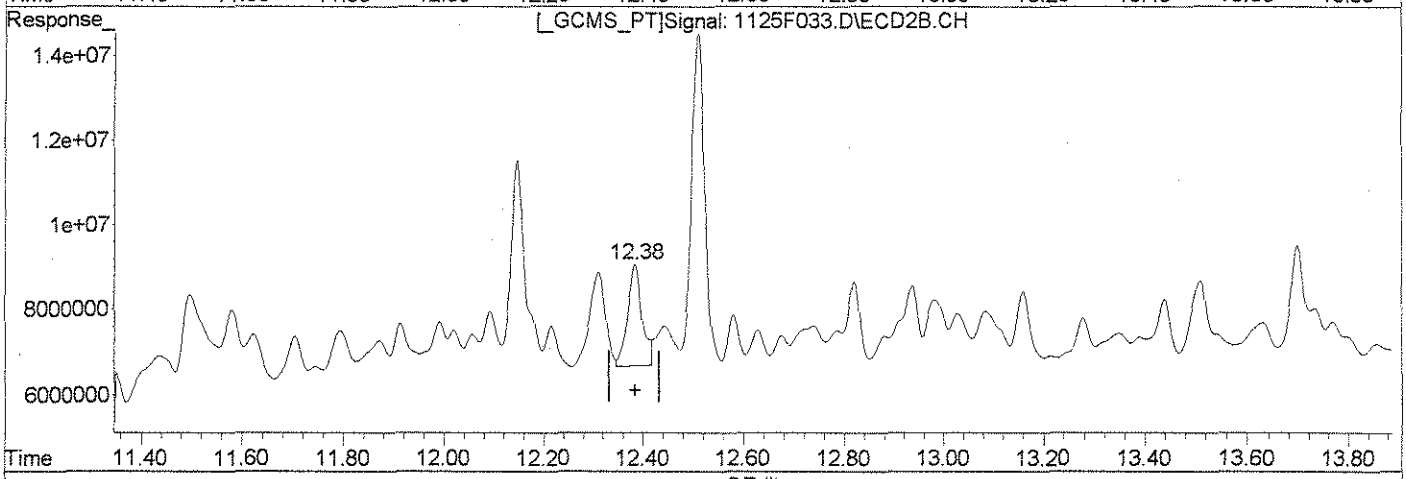


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F033.D\ECD1A.CH Vial: 31
Signal #2 : J:\GC23\DATA\112510\1125F033.D\ECD2B.CH
Acq On : 26 Nov 2010 5:00 am Operator: CCotnam
Sample : KWG1012935-4 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\4-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.84min 1058.363ug/L

response 625893

(28) Toxaphene {2} #2

12.38min 1438.422ug/L

response 4854641

Manual Integration:

Before

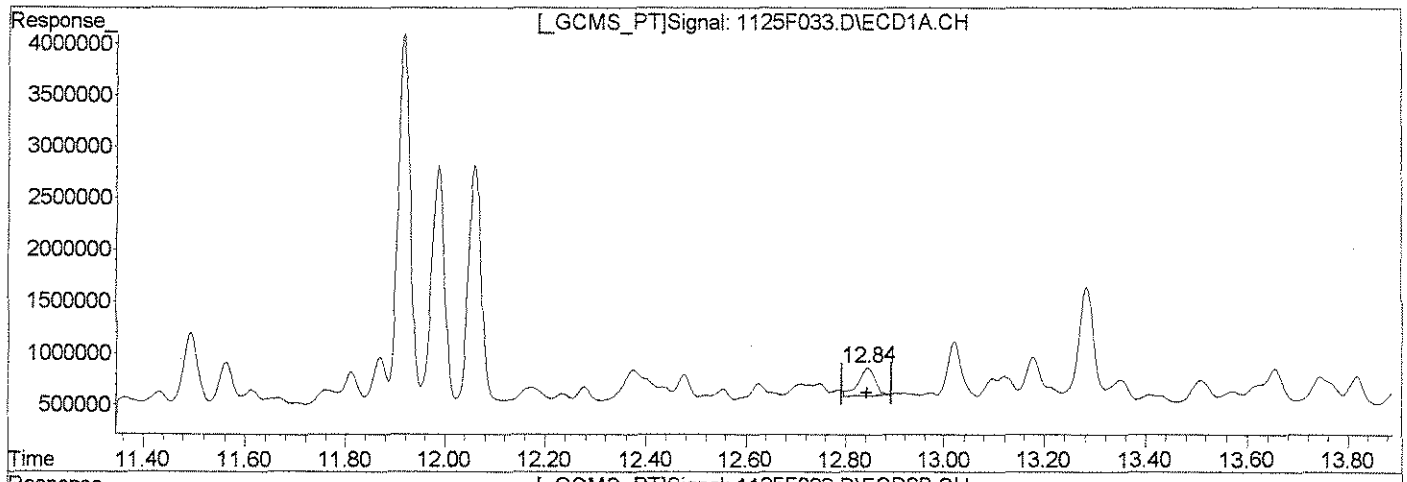
(+) = Expected Retention Time

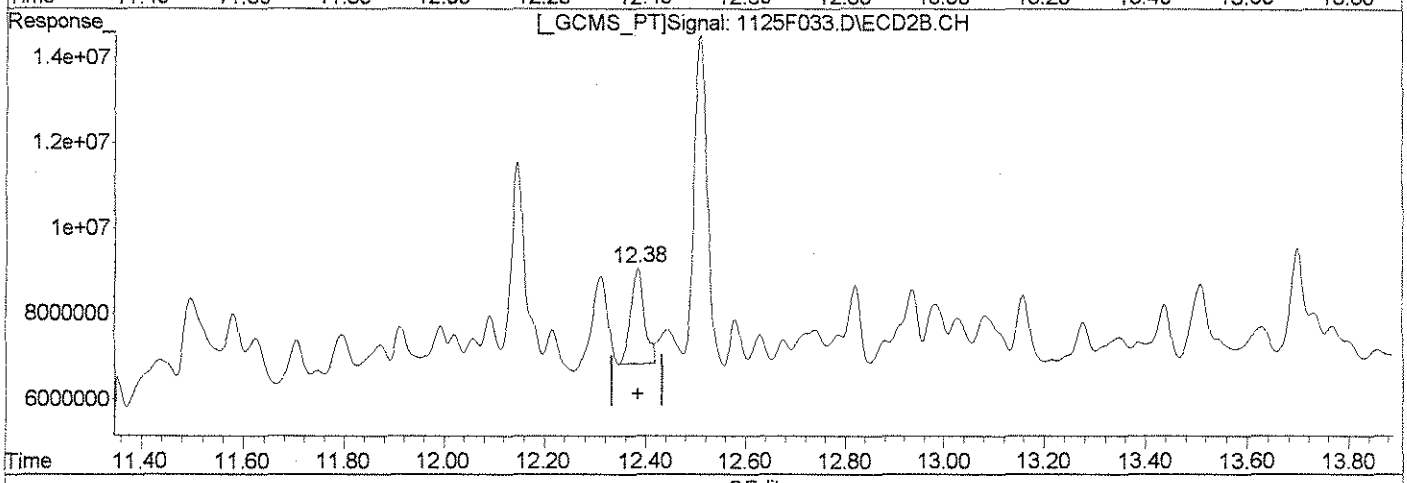
1125F033.D IS-GC23-101410-8081.M Fri Nov 26 11:52:47 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F033.D\ECD1A.CH Vial: 31
Signal #2 : J:\GC23\DATA\112510\1125F033.D\ECD2B.CH
Acq On : 26 Nov 2010 5:00 am Operator: CCotnam
Sample : KWG1012935-4 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\4-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.84min 1058.363ug/L

response 625893

(28) Toxaphene {2} #2

12.38min 1242.144ug/L m

response 4192207

Manual Integration:

After

Baseline/Shoulder

11/26/10

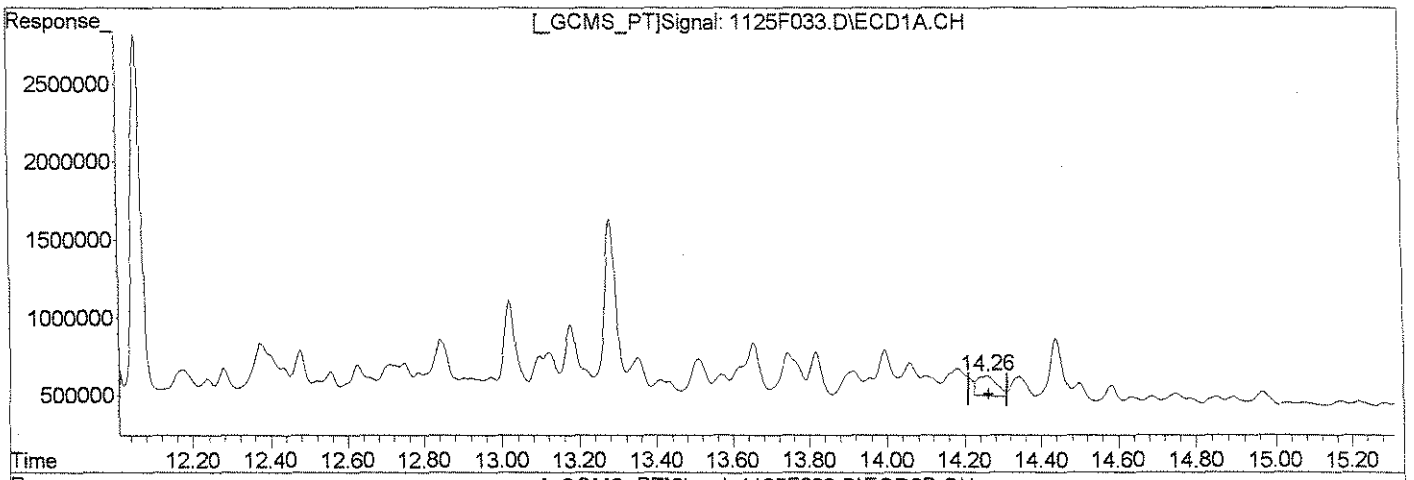
(+) = Expected Retention Time

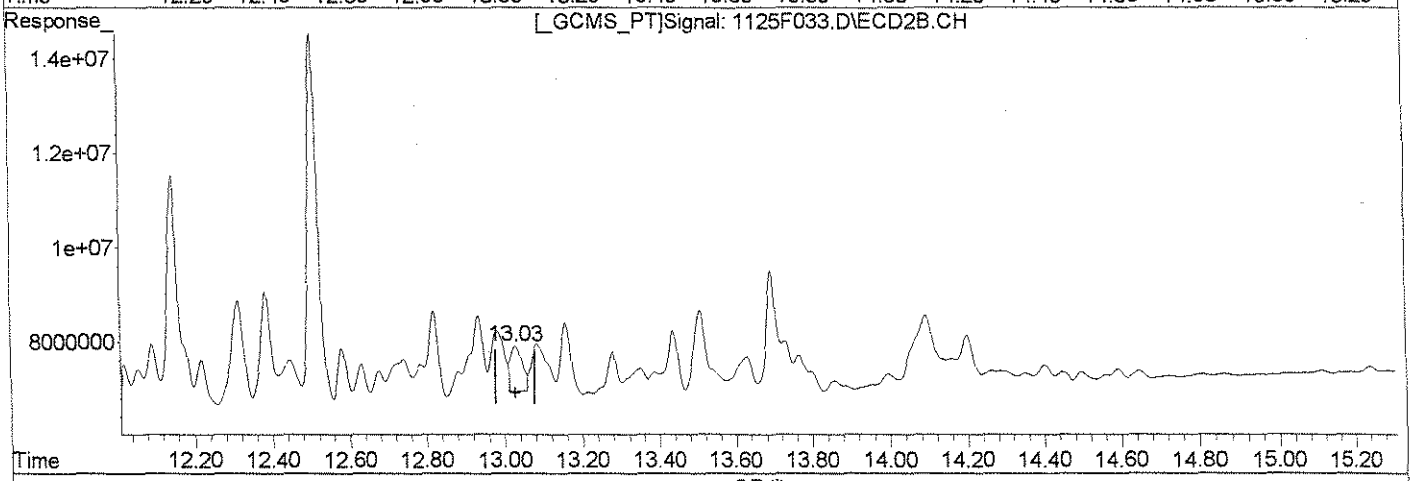
1125F033.D IS-GC23-101410-8081.M Fri Nov 26 11:53:01 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F033.D\ECD1A.CH Vial: 31
Signal #2 : J:\GC23\DATA\112510\1125F033.D\ECD2B.CH
Acq On : 26 Nov 2010 5:00 am Operator: CCotnam
Sample : KWG1012935-4 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\4-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.26min 816.301ug/L

response 441738

(31) Toxaphene {5} #2

13.03min 1026.008ug/L

response 1963460

Manual Integration:

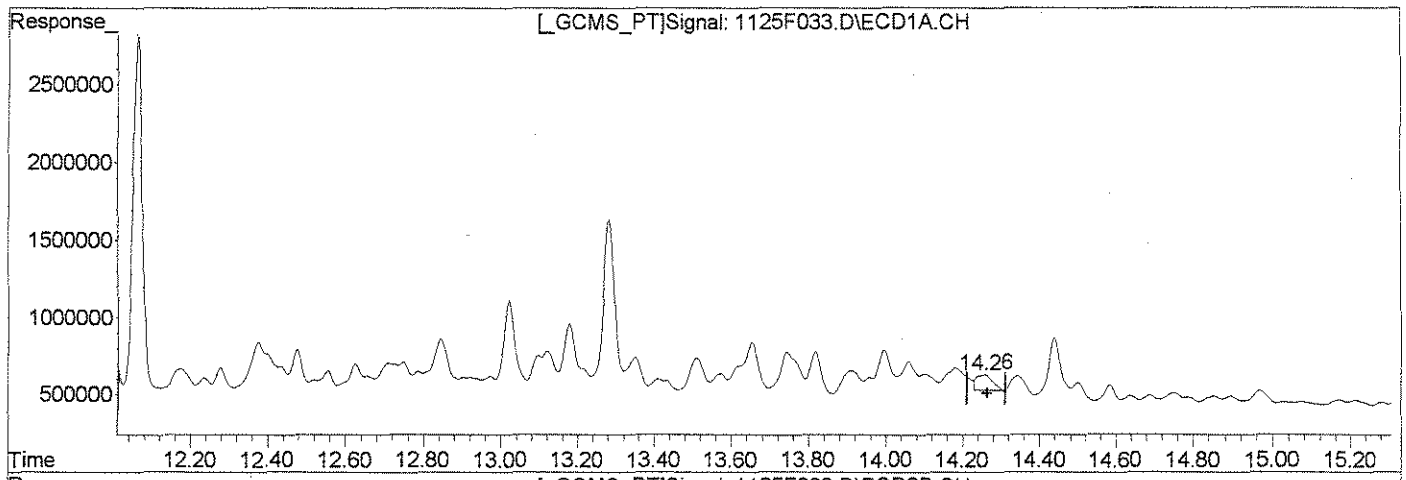
Before

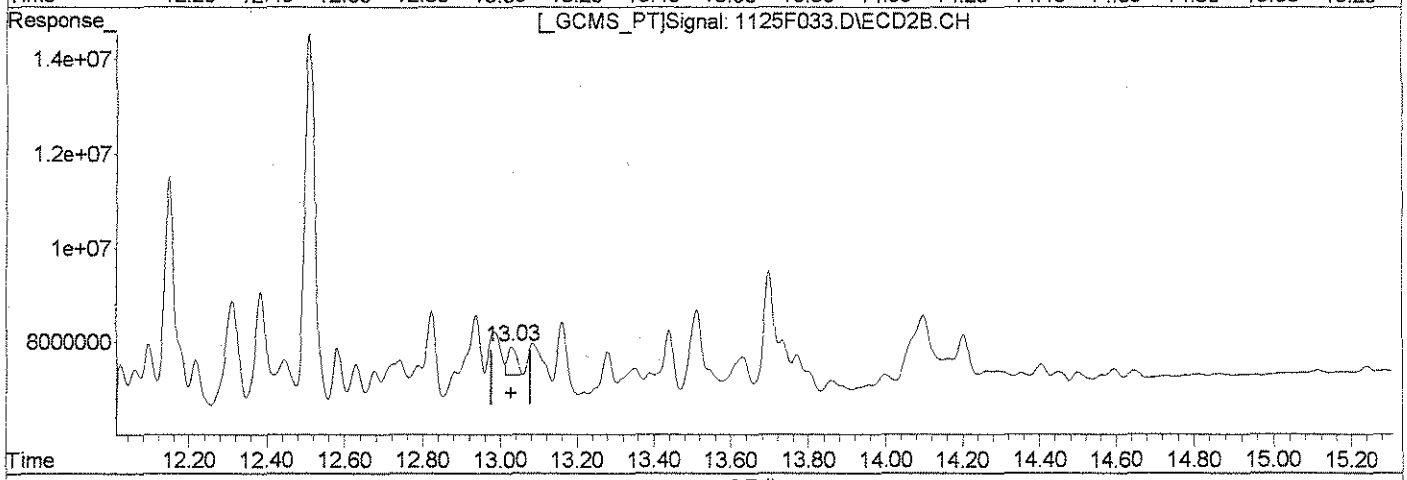
(+) = Expected Retention Time

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F033.D\ECD1A.CH Vial: 31
Signal #2 : J:\GC23\DATA\112510\1125F033.D\ECD2B.CH
Acq On : 26 Nov 2010 5:00 am Operator: CCotnam
Sample : KWG1012935-4 | LCS | 8081A PEST_OC | WIP Inst : GC23
Misc : SEMIVOA GC\W1012935\4-LCS.H | F=10 D=1 A Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.26min 519.956ug/L m

response 281372

(31) Toxaphene {5} #2

13.03min 495.358ug/L m

response 947961

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F033.D IS-GC23-101410-8081.M Fri Nov 26 11:53:24 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Duplicate Lab Control Sample	**Units:**	ug/WIPE
Lab Code:	KWG1012935-3	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	**1.20**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	**1.17**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	**1.18**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	**1.20**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	**1.16**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	**1.15**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	**1.16**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	**1.04**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	**1.18**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	**1.20**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	**1.10**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	**1.07**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	**1.11**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	**1.16**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	**1.13**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	**1.16**		0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	**8.82**		2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	**10.1**		1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	117	70-130	11/26/10	Acceptable
Decachlorobiphenyl	110	70-130	11/26/10	Acceptable

Comments:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F032.D	**Date Acquired:**	11/26/2010 04:33
Lab ID:	KWG1012935-3	**Date Quantitated:**	11/26/2010 11:51
RunType:	DLCS	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.5	NA	15	NO
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	1049536.916	4198147.666	NA
	1-Bromo-2-nitrobenzene {3}	0	1071424.583	4285698.333	
Surrogates	Decachlorobiphenyl	148	70	130	NO

Primary Review: 11/29/10

Secondary Review:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F032.D\1125F032C.D	**Date Acquired:**	11/26/2010 04:33
Lab ID:	KWG1012935-3	**Date Quantitated:**	11/26/2010 11:51
RunType:	DLCS	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	5304341.916	21217367.66	NA
	1-Bromo-2-nitrobenzene {3}	0	5406153.916	21624615.66	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WIPE
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012935	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981944	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:	J:\GC23\DATA\112510\1125F030.D	**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F032.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F032.D\1125F032c.d			**Vial:**	30
Acqu Date:	11/26/2010 04:33	**Quant Date:**	11/26/2010 11:51	**Dilution:**	1.0
Run Type:	DLCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012935-3				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	-0.08	5.51	-0.06	1680672	11977026	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}					0d	0d	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}					0d	0d	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}					0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}					0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04	+0.01	7.06		4258588	26863752	116.56	110.19			117OK
							%Recovery =	117OK	110OK	Limits =	70-130	
1	Decachlorobiphenyl	16.50	+0.01	15.59		4381213	30852298	148.23 CCV	110.46			110OK
							%Recovery =	148*	110OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC	8.72		8.08		6555448	42371583	124.03	120.10	1.24	1.20	1.20
1	Hexachlorobenzene	8.85		7.91		5615743	38617412	131.65	105.79	1.32	1.06	1.06
1	beta-BHC	9.74		9.10	+0.01	2803746	19428611	116.50	118.18	1.17	1.18	1.17
1	gamma-BHC (Lindane)	9.26		8.69	+0.01	6137646	40205099	122.94	117.96	1.23	1.18	1.18
1	delta-BHC	10.15	+0.01	9.53		5956173	40877517	121.09	120.36	1.21	1.20	1.20
1	Heptachlor	10.22	+0.01	9.25	+0.01	6313331	38422932	127.87	116.16	1.28	1.16	1.16
1	Aldrin	10.72		9.73	+0.01	5463187	35129976	115.95	115.11	1.16	1.15	1.15
1	Isodrin	11.24		10.37		5035230	31752289	129.37	123.70	1.29	1.24	1.24
1	Heptachlor Epoxide	11.42		10.58		5512594	34604566	122.32	116.21	1.22	1.16	1.16

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
c: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F032.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F032.D\1125F032c.d			**Vial:**	30
Acqu Date:	11/26/2010 04:33	**Quant Date:**	11/26/2010 11:51	**Dilution:**	1.0
Run Type:	DLCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012935-3				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane	11.92 +0.01	10.94 +0.01	5438185	34510287	122.67	113.63	1.23	1.14	1.14
1	Endosulfan I	12.04 +0.01	11.16	4513039	28972907	110.15	103.90	1.10	1.04	1.04
1	alpha-Chlordane	11.99 +0.01	11.08	5418094	33758097	123.18	115.16	1.23	1.15	1.15
1	Dieldrin	12.43	11.59	5346462	35047593	119.12	117.54	1.19	1.18	1.18
1	4,4'-DDE	12.24 +0.01	11.41	5030838	33170114m	122.97	119.62	1.23	1.20	1.20
1	Endrin	12.78 +0.01	12.06	4368804	29958944	110.04	111.52	1.10	1.12	1.10
1	Endosulfan II	13.19 +0.01	12.47 +0.01	4377843	29192798	108.86	106.58	1.09	1.07	1.07
1	4,4'-DDD	13.02 +0.01	12.27	4003502	28016481	111.05	117.93	1.11	1.18	1.11
1	Endrin Aldehyde	13.35	12.81 +0.01	3926280	26742597	119.18	116.12	1.19	1.16	1.16
1	Endosulfan Sulfate	13.77	13.11 +0.01	4383554	29788823	117.75	113.23	1.18	1.13	1.13
1	4,4'-DDT	13.47	12.68 +0.01	4311592	28925964	115.60	123.38	1.16	1.23	1.16
1	Endrin Ketone	14.39 +0.01	13.98	5674386	38868518	126.81	127.33	1.27	1.27	1.27
1	Methoxychlor	14.13	13.69 +0.01	2557962	15179830	125.35	114.90	1.25	1.15	1.15
	Toxaphene			0	0	0.0000	0.0000	2.5U	2.5U	NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {2}			0d	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {3}			0d	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {4}			0d	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {5}			0d	0d	0.0000	0.0000	2.5U	2.5U	
2	Toxaphene {6}			0d	0d	0.0000	0.0000	2.5U	2.5U	
	Chlordane			0	0	0.0000	0.0000	1.0U	1.0U	NR
3	Chlordane {1}			0d	0d	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {2}			0d	0d	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {3}			0d	0d	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {4}			0d	0d	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {5}			0d	0d	0.0000	0.0000	1.0U	1.0U	
3	Chlordane {6}			0d	0d	0.0000	0.0000	1.0U	1.0U	
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
5	2,4'-DDD			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F032.D\ECD1A.CH Vial: 30
Signal #2 : J:\GC23\DATA\112510\1125F032.D\ECD2B.CH
Acq On : 26 Nov 2010 4:33 am Operator: CCotnam
Sample : KWG1012935-3 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\3-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:54 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
		Internal Standards							
1)	i	1-Bromo-2-nitrob	5.76	5.51	1680672	11977026	50.000	50.000	
		System Monitoring Compounds							
2)	s	Tetrachloro-m-xy	8.04	7.06	4258588	26863752	116.556	110.188	
25)	s	Decachlorobiphen	16.50f	15.59	4381213	30852298	148.230	110.455	#
		Target Compounds							
3)		alpha-BHC	8.72	8.08	6555448	42371583	124.032	120.099	
4)		Hexachlorobenzen	8.85	7.91	5615743	38617412	131.652	105.791	
5)		beta-BHC	9.74	9.10	2803746	19428611	116.503	118.183	
6)		gamma-BHC (Linda	9.26	8.69	6137646	40205099	122.935	117.961	
7)		delta-BHC	10.15	9.53	5956173	40877517	121.090	120.361	
8)		Heptachlor	10.22	9.25	6313331	38422932	127.872	116.163	
9)		Aldrin	10.72	9.73	5463187	35129976	115.946	115.106	
10)		Isodrin	11.24	10.37	5035230	31752289	129.365	123.704	
11)		Heptachlor Epoxi	11.42	10.58	5512594	34604566	122.317	116.210	
12)		gamma-Chlordane	11.92	10.94	5438185	34510287	122.671	113.631	
13)		Endosulfan I	12.04	11.16	4513039	28972907	110.154	103.895	
14)		alpha-Chlordane	11.99	11.08	5418094	33758097	123.178	115.156	
15)		Dieldrin	12.43	11.59	5346462	35047593	119.118	117.535	
16)		4,4'-DDE	12.24	11.41	5030838	33170114	122.969	119.621m	
17)		Endrin	12.78	12.06	4368804	29958944	110.040	111.522	
18)		Endosulfan II	13.19	12.47	4377843	29192798	108.861	106.583	
19)		4,4'-DDD	13.02	12.27	4003502	28016481	111.052	117.926	
20)		Endrin Aldehyde	13.35	12.81	3926280	26742597	119.175	116.120	
21)		Endosulfan Sulfa	13.77	13.11	4383554	29788823	117.748	113.228	
22)		4,4'-DDT	13.47	12.68	4311592	28925964	115.600	123.381	
23)		Endrin Ketone	14.39	13.98	5674386	38868518	126.814	127.334	
24)		Methoxychlor	14.13	13.69	2557962	15179830	125.348	114.904	

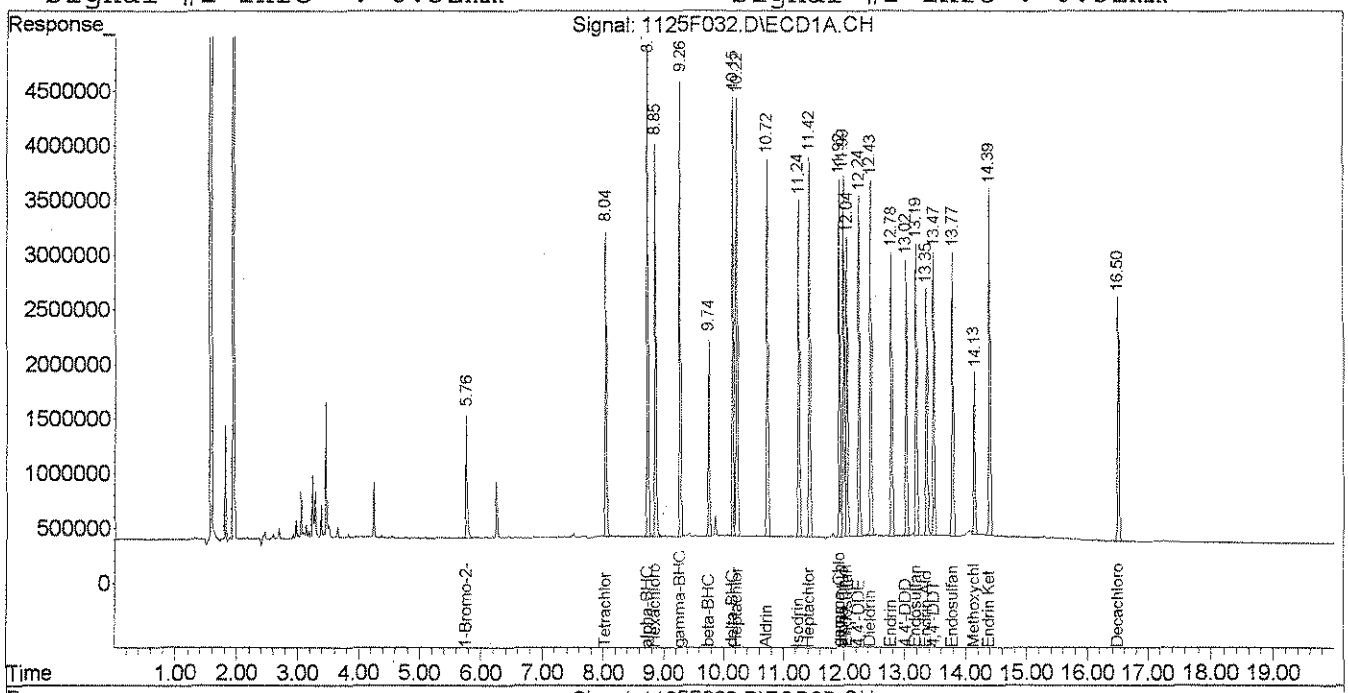
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

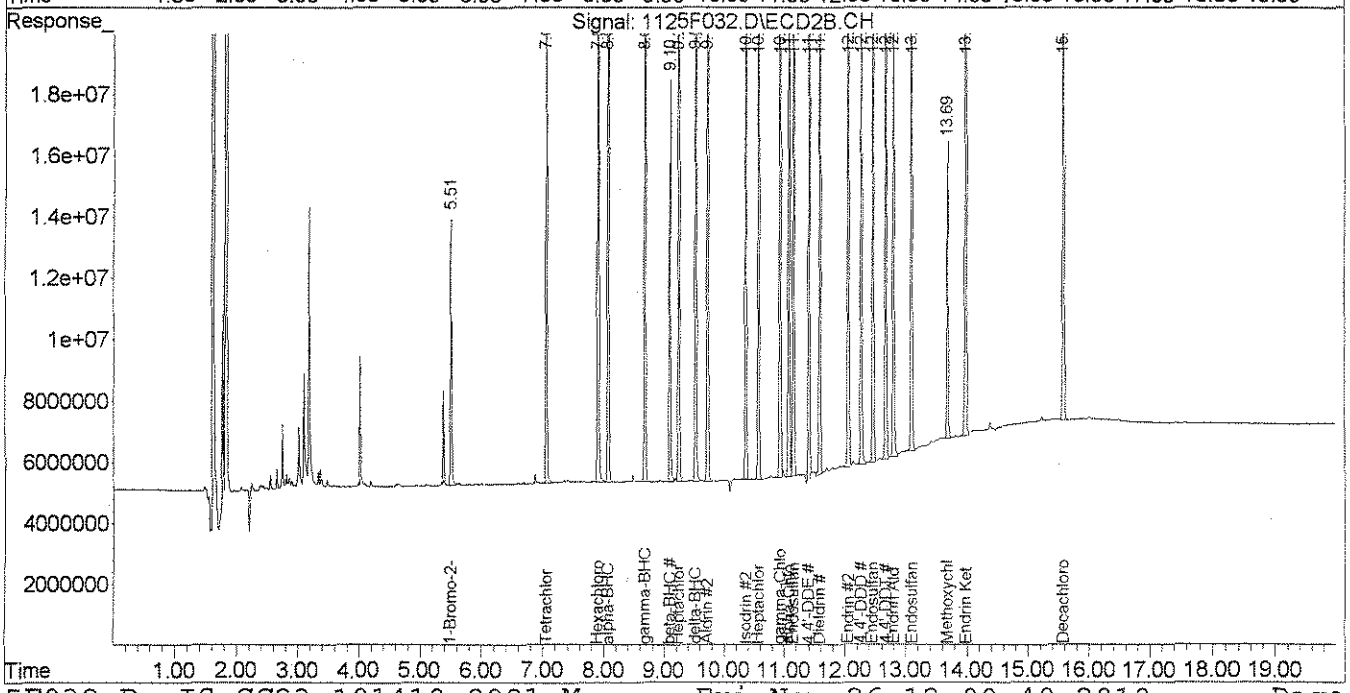
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F032.D\ECD1A.CH Vial: 30
Signal #2 : J:\GC23\DATA\112510\1125F032.D\ECD2B.CH
Acq On : 26 Nov 2010 4:33 am Operator: CCotnam
Sample : KWG1012935-3 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\3-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:51 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

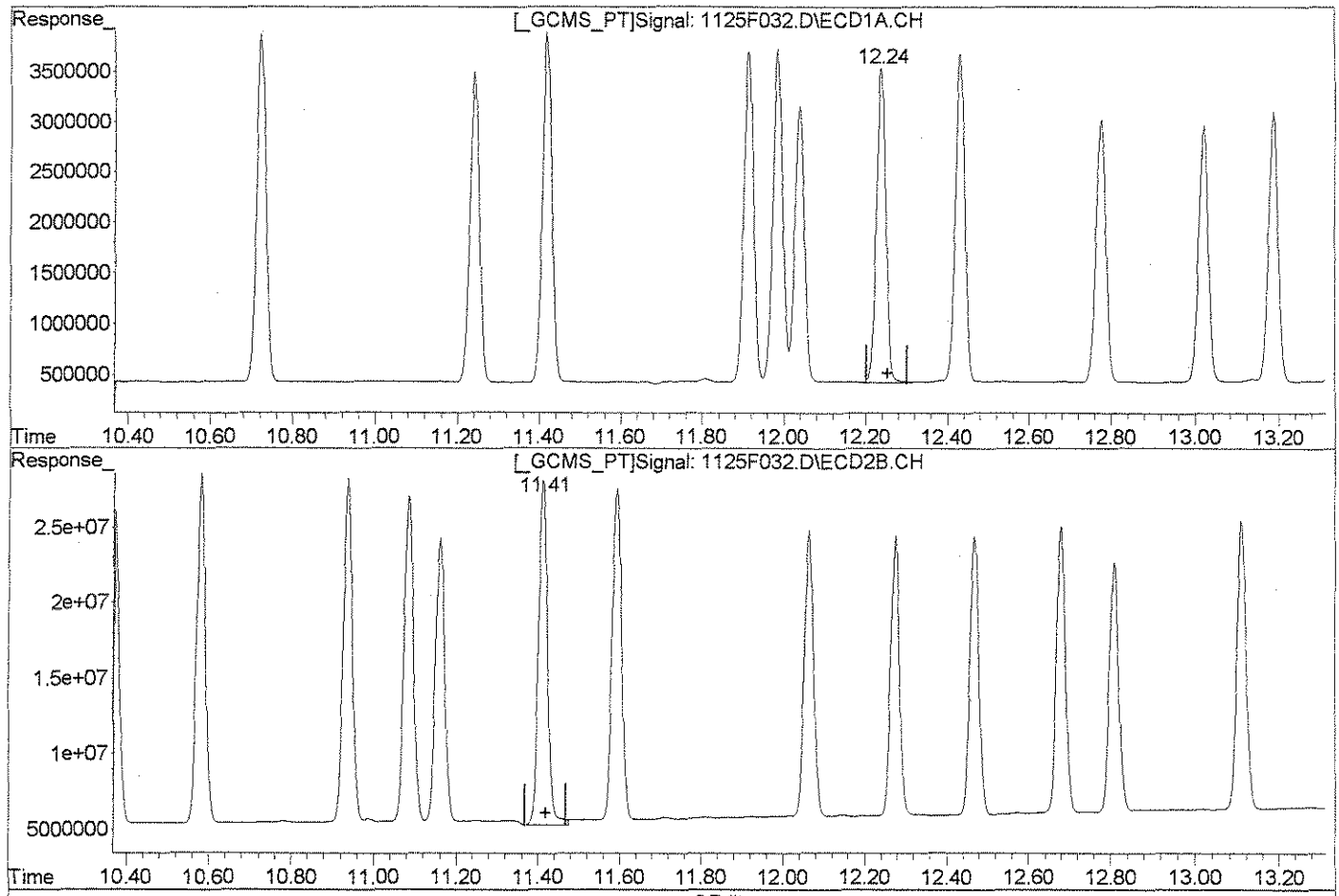




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F032.D\ECD1A.CH Vial: 30
Signal #2 : J:\GC23\DATA\112510\1125F032.D\ECD2B.CH
Acq On : 26 Nov 2010 4:33 am Operator: CCotnam
Sample : KWG1012935-3 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\3-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(16) 4,4'-DDE

12.24min 122.969ug/L

response 5030838

(16) 4,4'-DDE #2

11.41min 124.835ug/L

response 34616107

Manual Integration:

Before

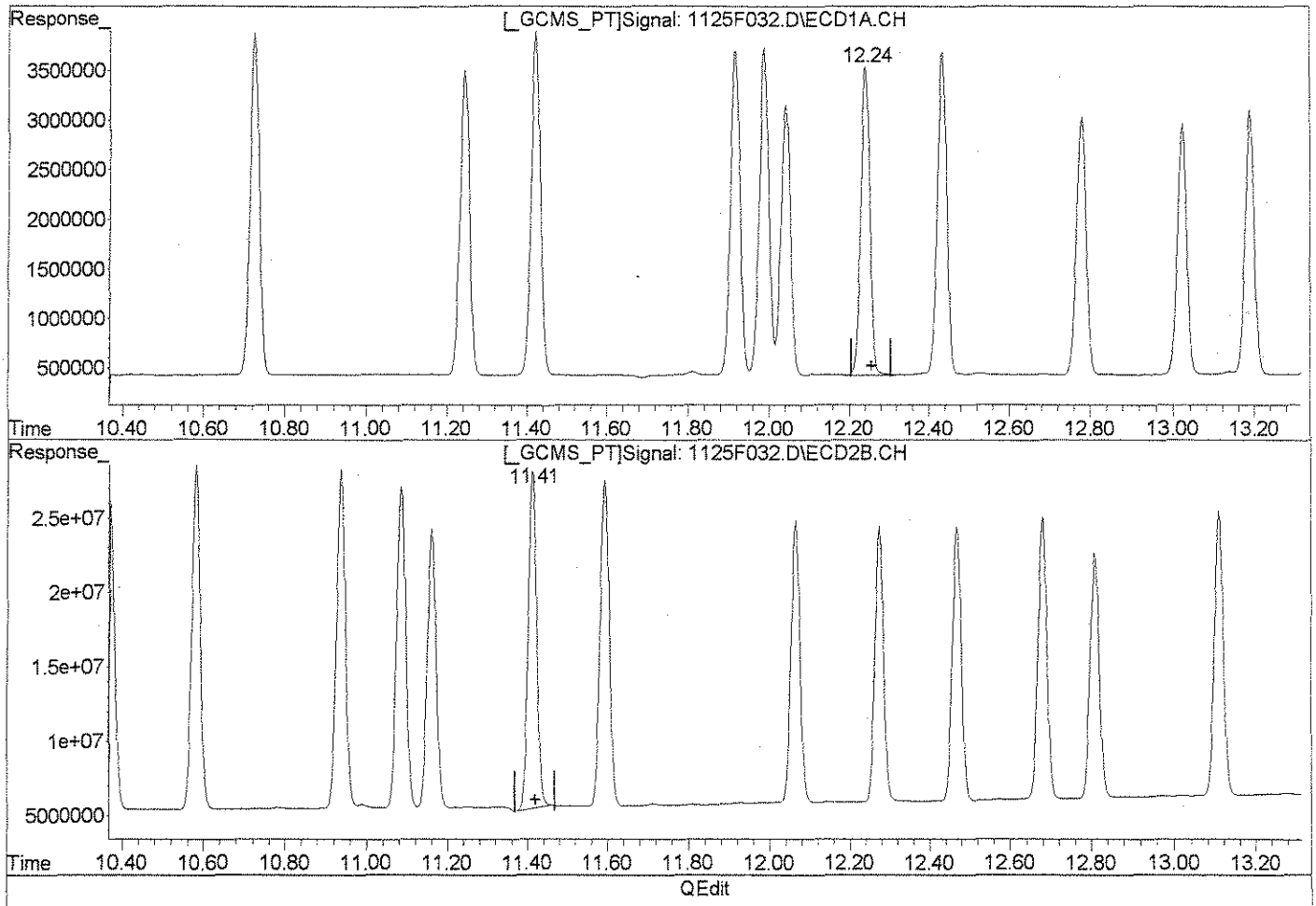
(+) = Expected Retention Time

1125F032.D IS-GC23-101410-8081.M Fri Nov 26 11:51:52 2010

Quantitation Report (QEdit)

Signal #1 : J:\GC23\DATA\112510\1125F032.D\ECD1A.CH Vial: 30
Signal #2 : J:\GC23\DATA\112510\1125F032.D\ECD2B.CH
Acq On : 26 Nov 2010 4:33 am Operator: CCotnam
Sample : KWG1012935-3 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\3-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



QEdit

(16) 4,4'-DDE
12.24min 122.969ug/L
response 5030838

(16) 4,4'-DDE #2
11.41min 119.621ug/L m
response 33170114

Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F032.D IS-GC23-101410-8081.M Fri Nov 26 11:52:01 2010

Exception Report

Data File:	J:\GC23\DATA\112510\1125F034.D	**Date Acquired:**	11/26/2010 05:27
Lab ID:	KWG1012935-3	**Date Quantitated:**	11/26/2010 11:54
RunType:	DLCS	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	Decachlorobiphenyl	28.5	NA	15	LO
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	NA
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: 11/29/10

Secondary Review:

Exception Report

Data File:	J:\GC23\DATA\112510\1125F034.D\1125F034C.D	**Date Acquired:**	11/26/2010 05:27
Lab ID:	KWG1012935-3	**Date Quantitated:**	11/26/2010 11:54
RunType:	DLCS	**Batch ID:**	KWG1012938
Matrix:	WIPE	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WIPE
Prod Code:	8081A PEST_OC	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012938	**Prep Lot:**	KWG1012935	**Report Group:**	
Analysis Method:	8081A	**Prep Method:**	EPA 3541		
Prep Ref:	981944	**Prep Date:**	11/22/2010		

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:	J:\GC23\DATA\112510\1125F030.D	**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F034.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F034.D\1125F034c.d			**Vial:**	32
Acqu Date:	11/26/2010 05:27	**Quant Date:**	11/26/2010 11:54	**Dilution:**	1.0
Run Type:	DLCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012935-3				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76 -0.08 c	5.51 -0.06 c	1725494	12292892	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76 -0.07 c	5.51 -0.05 c	1725494	12292892	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76 -0.08 c	5.51 -0.06 c	1725494	12292892	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04 +0.01	7.06	3123217	19857101	83.26	79.36			NR
					%Recovery =	83OK	79OK	Limits =	70-130	
1	Decachlorobiphenyl	16.50 +0.01	15.59	3442636	24307895	113.45 CCV	84.79			NR
					%Recovery =	113OK	85OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	beta-BHC			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	delta-BHC			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Heptachlor			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Aldrin			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Isodrin			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.050U	0.050U	NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F034.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F034.D\1125F034c.d			**Vial:**	32
Acqu Date:	11/26/2010 05:27	**Quant Date:**	11/26/2010 11:54	**Dilution:**	1.0
Run Type:	DLCS			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012935-3				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endosulfan I			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Dieldrin			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	4,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endrin			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endosulfan II			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	4,4'-DDD			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	4,4'-DDT			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Endrin Ketone			0d	0d	0.0000	0.0000	0.050U	0.050U	NR
1	Methoxychlor			0d	0d	0.0000	0.0000	0.050U	0.050U	~~NR~~
	Toxaphene			0	0	882.31	1,034	8.8	10	8.8
2	Toxaphene {1}	12.56 +0.01	12.31	131547m	4915558m	550.72	1,113	5.51	11.1	
2	Toxaphene {2}	12.85 +0.01	12.38	534457	4185010m	954.94	1,333	9.55	13.3	
2	Toxaphene {3}	13.51	12.58 +0.01	490912	1794365	1,147	1,090	11.5	10.9	
2	Toxaphene {4}	13.75 +0.01	12.82	658152	3124434	1,056	1,133	10.6	11.3	
2	Toxaphene {5}	14.26 +0.01	13.03 +0.01	317163m	998767m	619.30	560.91	6.19	5.61	
2	Toxaphene {6}	14.44	13.51 +0.01	783032	4155227	966.06	974.93	9.66	9.75	
	Chlordane			0	0	1,038	1,005	10	10	10
3	Chlordane {1}	9.87	8.96	1345548	7407704	779.44	684.89	7.79	6.85	
3	Chlordane {2}	10.22 +0.01	9.24	2566572	15094322	1,108	1,065	11.1	10.6	
3	Chlordane {3}	10.76	10.94	1496477	29091739	954.59	968.15	9.55	9.68	
3	Chlordane {4}	11.92	10.98	5497797	21416834	1,083	1,234	10.8	12.3	
3	Chlordane {5}	11.99 +0.01	11.03	3693341	10676027	929.43	1,223	9.29	12.2	
3	Chlordane {6}	12.06	11.09 +0.01	3701377	21370279	1,374	856.76	13.7	8.57	
5	2,4'-DDE			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
5	2,4'-DDD			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U
5	2,4'-DDT			0d	0d	0.0000	0.0000	0.050U	0.050U	0.050U

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F034.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\112510\1125F034.D\ECD2B.CH
Acq On : 26 Nov 2010 5:27 am Operator: CCotnam
Sample : KWG1012935-5 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\5-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:56 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.76	5.51	1725494	12292892	50.000	50.000
26)		1-Bromo-2-nitrob	5.76	5.51	1725494	12292892	50.000	50.000
33)		1-Bromo-2-nitrob	5.76	5.51	1725494	12292892	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.04	7.06	3123217	19857101	83.261	79.356
25)	s	Decachlorobiphen	16.50	15.59	3442636	24307895	113.449	84.789 #
		Target Compounds						
27)		Toxaphene	12.56	12.31	131547	4915558	550.716m	1112.680m#
28)		Toxaphene {2}	12.85	12.38	534457	4185010	954.944	1332.673m#
29)		Toxaphene {3}	13.51	12.58	490912	1794365	1147.176	1090.150
30)		Toxaphene {4}	13.75	12.82	658152	3124434	1055.693	1133.233
31)		Toxaphene {5}	14.26	13.03	317163	998767	619.297m	560.907m
32)		Toxaphene {6}	14.44	13.51	783032	4155227	966.063	974.931
34)		Chlordane	9.87	8.96	1345548	7407704	779.444	684.891
35)		Chlordane {2}	10.22	9.24	2566572	15094322	1107.685	1064.509
36)		Chlordane {3}	10.76	10.94	1496477	29091739	954.586	968.149
37)		Chlordane {4}	11.92	10.98	5497797	21416834	1083.237	1233.618
38)		Chlordane {5}	11.99	11.03	3693341	10676027	929.429	1222.889 #
39)		Chlordane {6}	12.06	11.09	3701377	21370279	1374.326	856.755 #

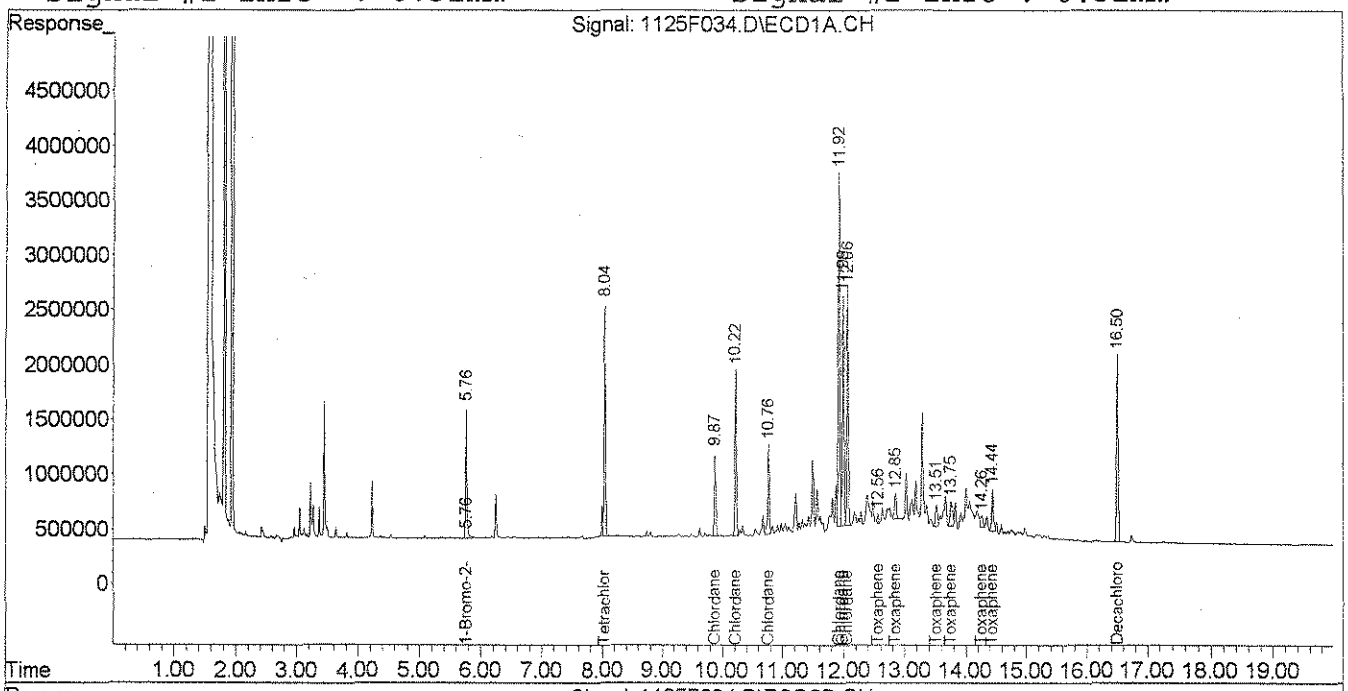
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

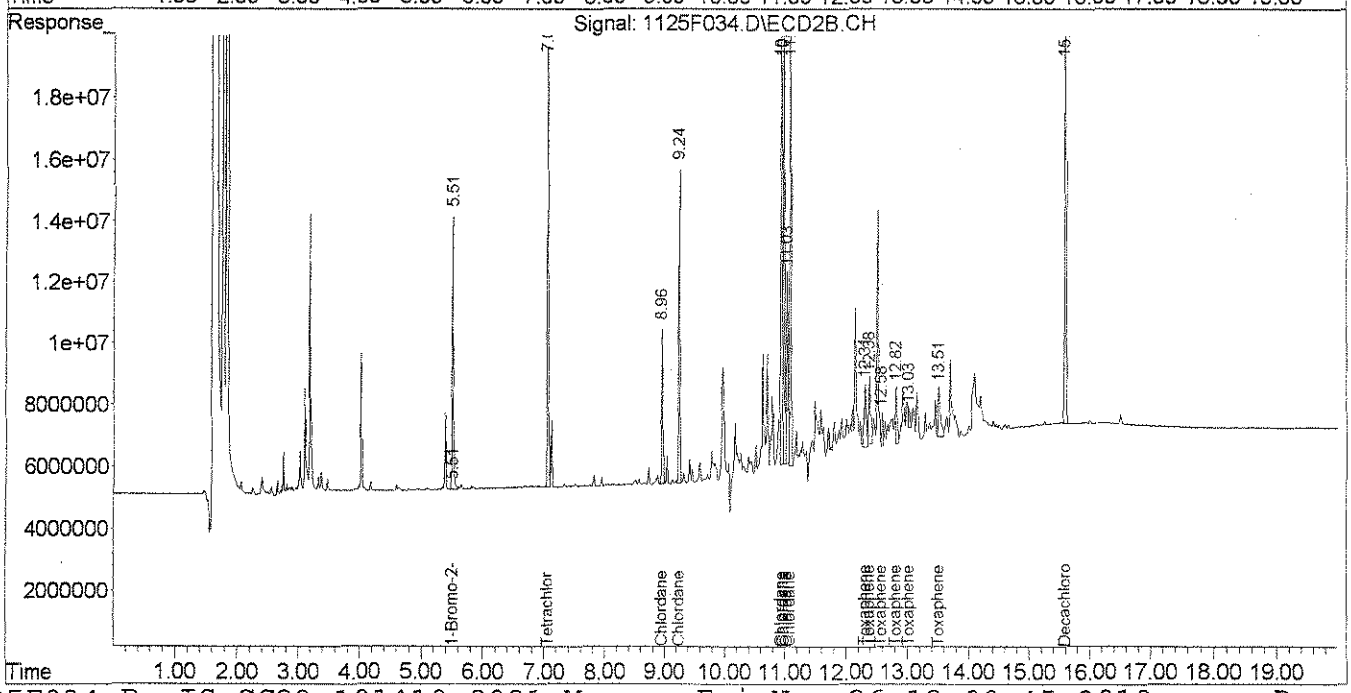
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F034.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\112510\1125F034.D\ECD2B.CH
Acq On : 26 Nov 2010 5:27 am Operator: CCotnam
Sample : KWG1012935-5 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\5-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:54 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

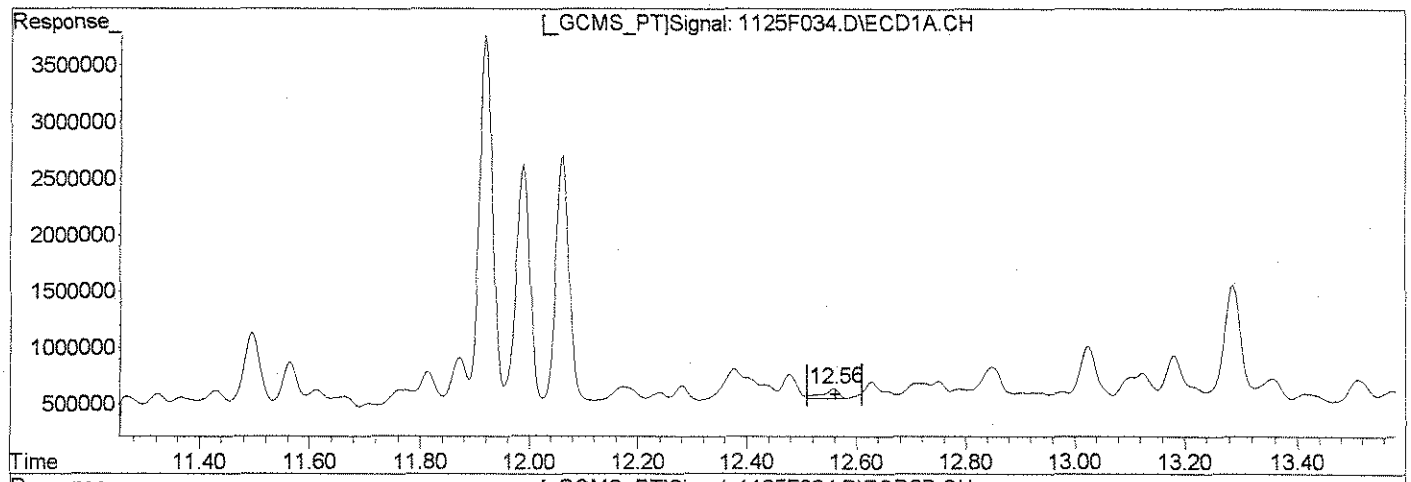


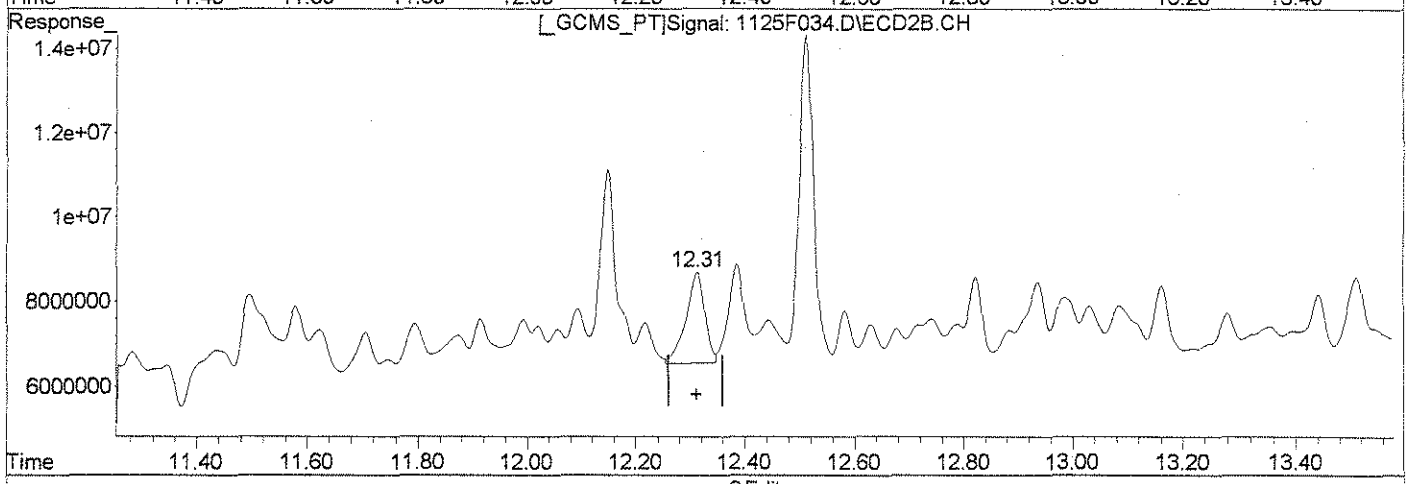


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F034.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\112510\1125F034.D\ECD2B.CH
Acq On : 26 Nov 2010 5:27 am Operator: CCotnam
Sample : KWG1012935-5 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\5-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(27) Toxaphene

12.56min 779.674ug/L

response 186237

(27) Toxaphene #2

12.31min 1194.954ug/L

response 5279022

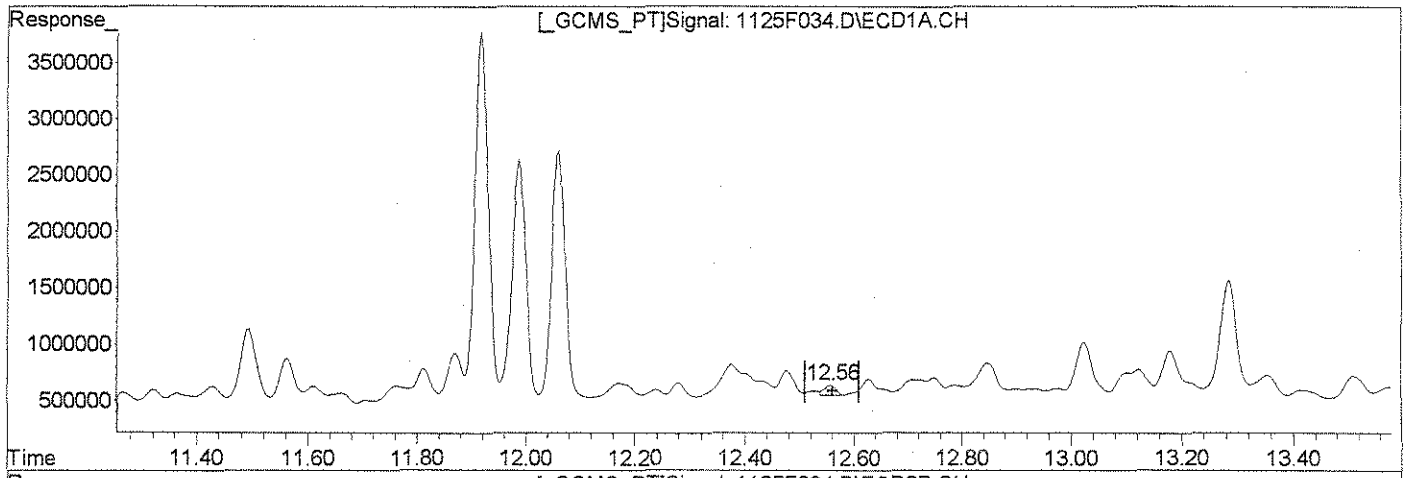
(+) = Expected Retention Time

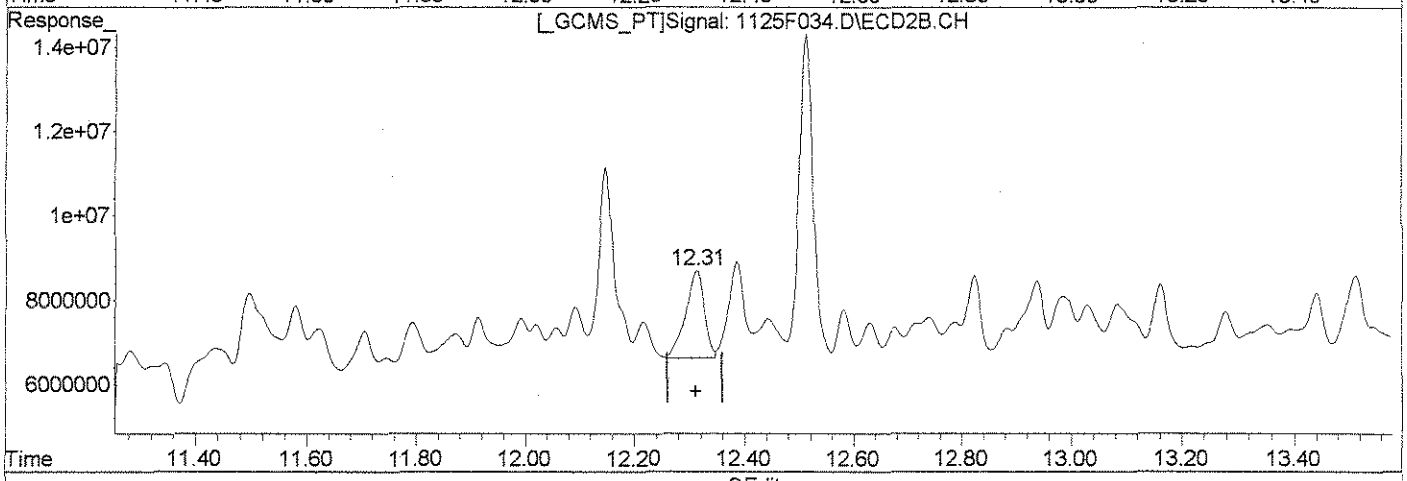
1125F034.D IS-GC23-101410-8081.M Fri Nov 26 11:54:04 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F034.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\112510\1125F034.D\ECD2B.CH
Acq On : 26 Nov 2010 5:27 am Operator: CCotnam
Sample : KWG1012935-5 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\5-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(27) Toxaphene

12.56min 550.716ug/L m

response 131547

(27) Toxaphene #2

12.31min 1112.680ug/L m

response 4915558

Manual Integration:

After

Baseline/Shoulder

11/26/10

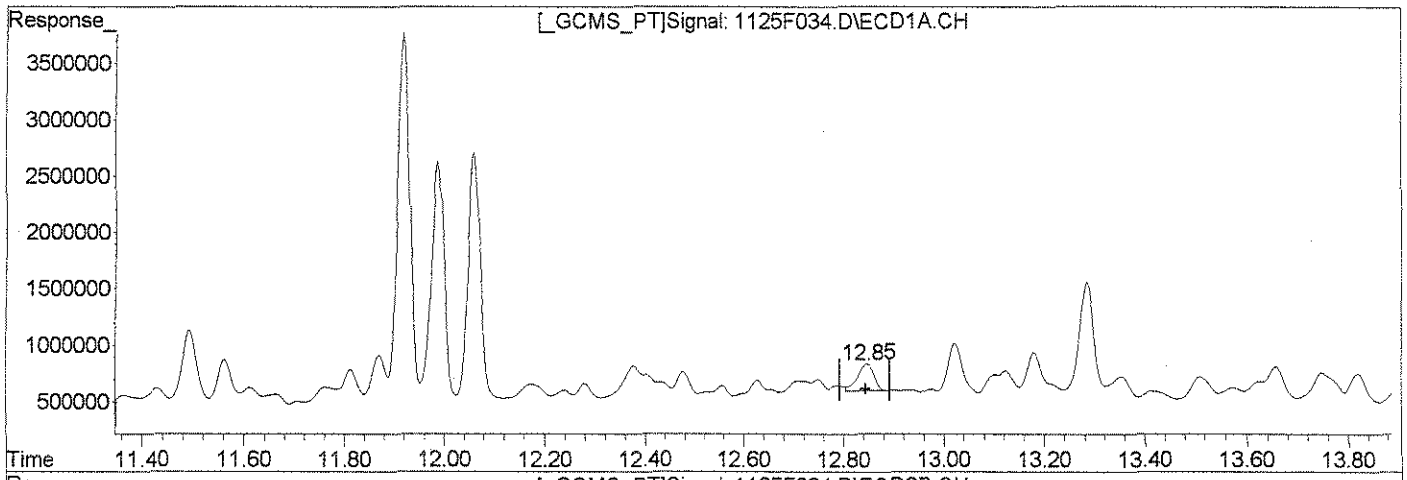
(+) = Expected Retention Time

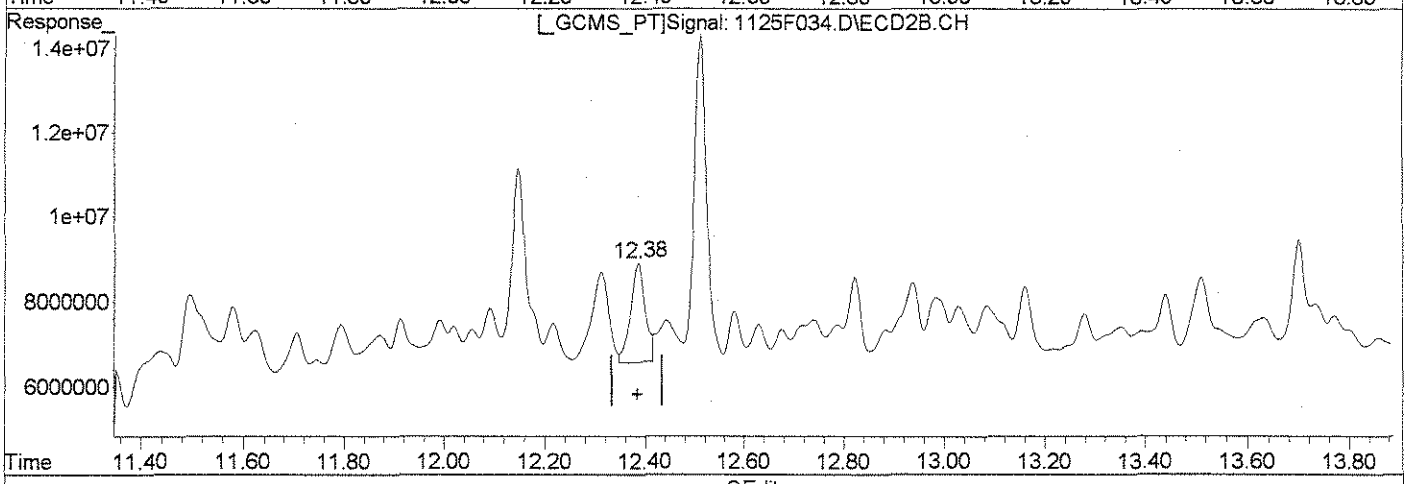
1125F034.D IS-GC23-101410-8081.M Fri Nov 26 11:54:19 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F034.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\112510\1125F034.D\ECD2B.CH
Acq On : 26 Nov 2010 5:27 am Operator: CCotnam
Sample : KWG1012935-5 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\5-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.85min 954.944ug/L

response 534457

(28) Toxaphene {2} #2

12.38min 1517.799ug/L

response 4766362

Manual Integration:

Before

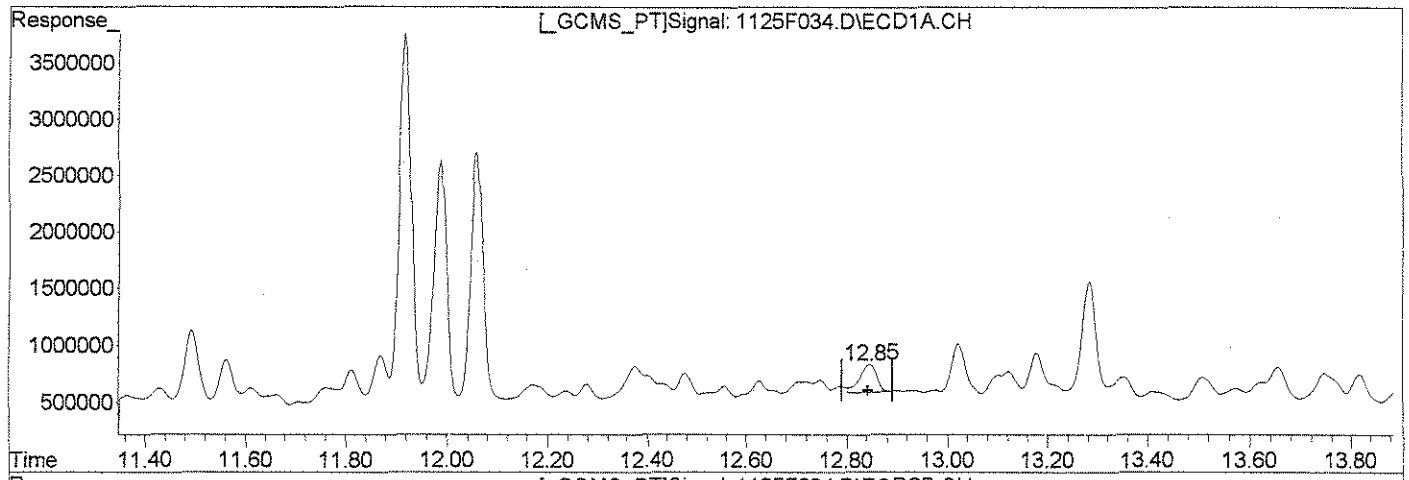
(+) = Expected Retention Time

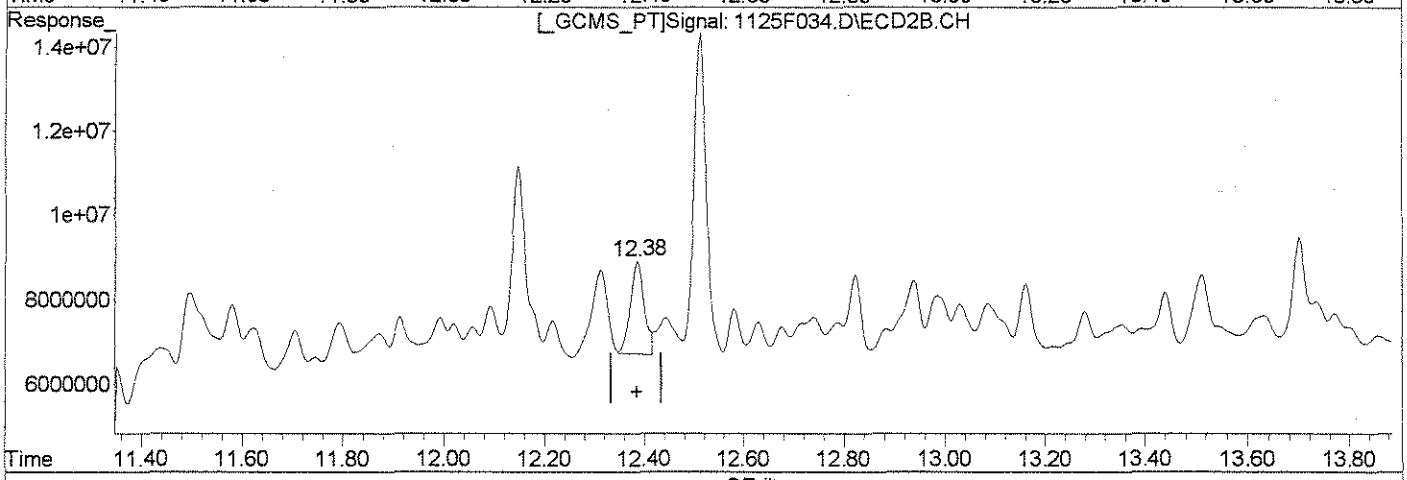
1125F034.D IS-GC23-101410-8081.M Fri Nov 26 11:54:23 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F034.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\112510\1125F034.D\ECD2B.CH
Acq On : 26 Nov 2010 5:27 am Operator: CCotnam
Sample : KWG1012935-5 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\5-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.85min 954.944ug/L

response 534457

(28) Toxaphene {2} #2

12.38min 1332.673ug/L m

response 4185010

Manual Integration:

After

Baseline/Shoulder

11/26/10

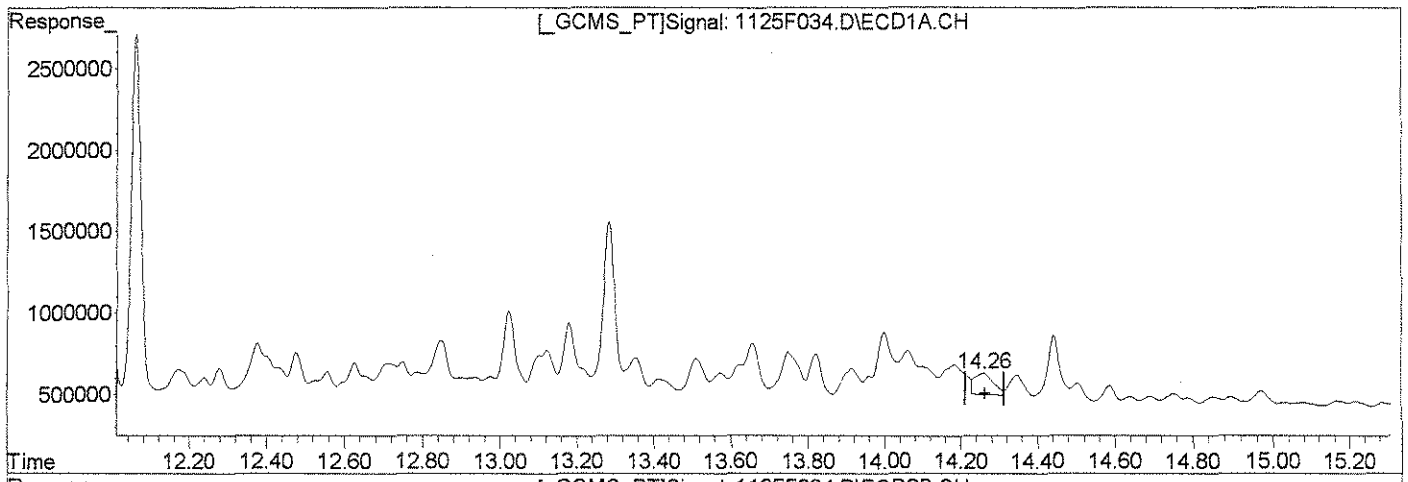
(+) = Expected Retention Time

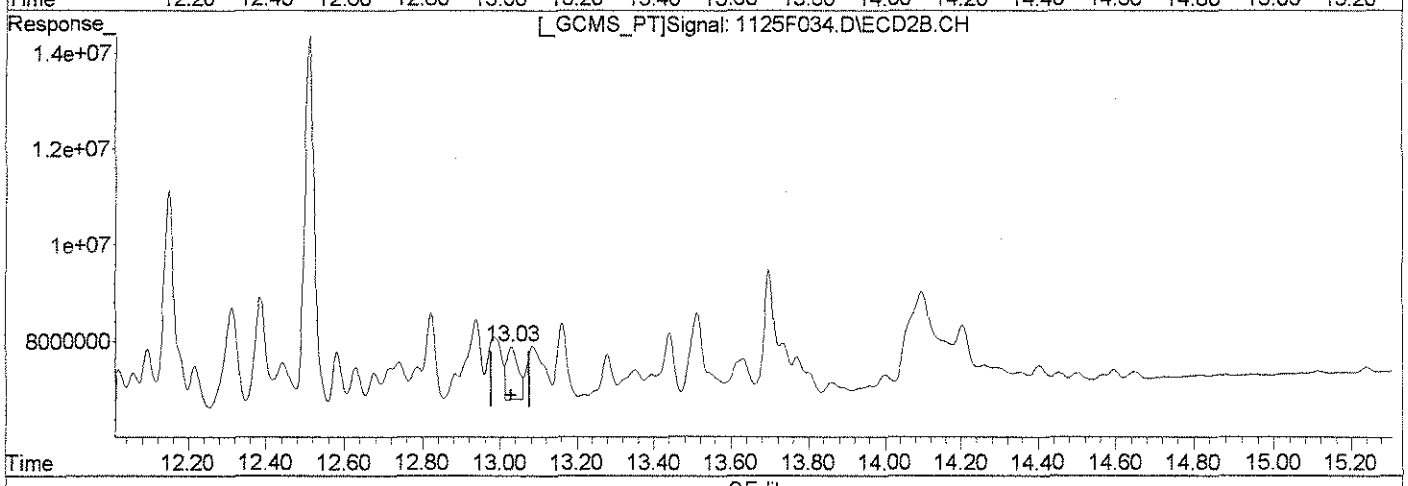
1125F034.D IS-GC23-101410-8081.M Fri Nov 26 11:54:38 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F034.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\112510\1125F034.D\ECD2B.CH
Acq On : 26 Nov 2010 5:27 am Operator: CCotnam
Sample : KWG1012935-5 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\5-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.26min 857.858ug/L

response 439338

(31) Toxaphene {5} #2

13.03min 1261.409ug/L

response 2246102

Manual Integration:

Before

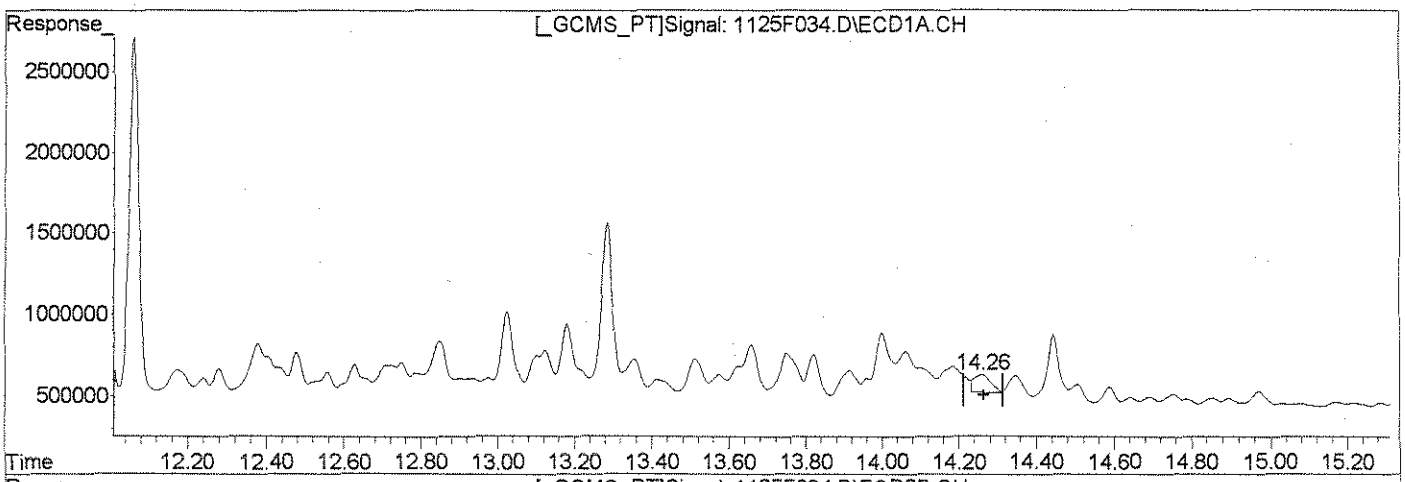
(+) = Expected Retention Time

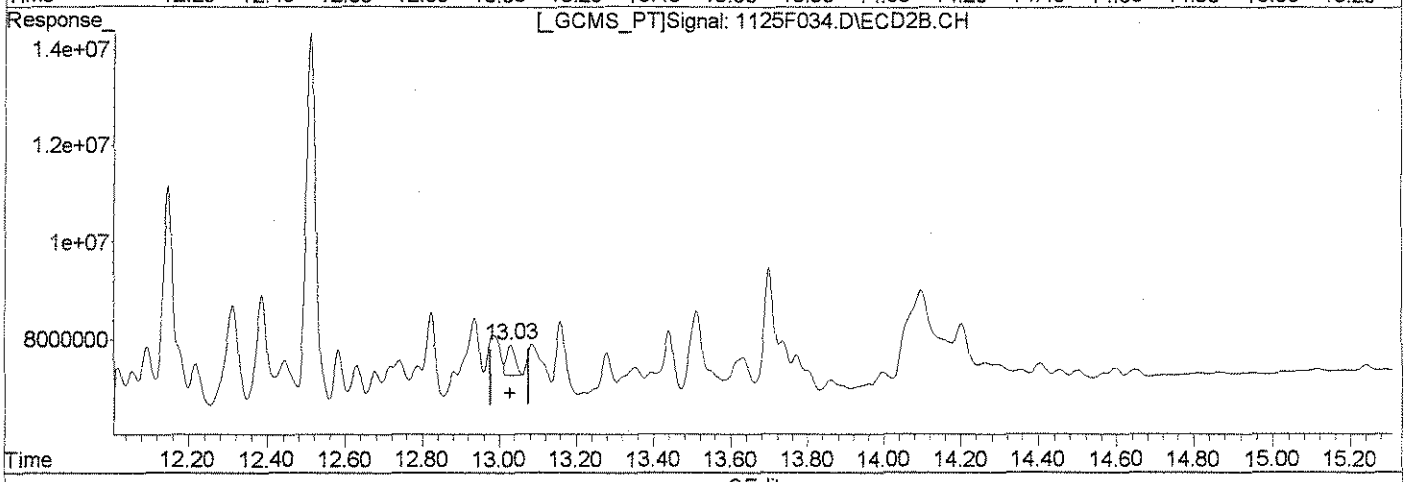
1125F034.D IS-GC23-101410-8081.M Fri Nov 26 11:54:44 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F034.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\112510\1125F034.D\ECD2B.CH
Acq On : 26 Nov 2010 5:27 am Operator: CCotnam
Sample : KWG1012935-5 | DLCS | 8081A PEST_OC | WI Inst : GC23
Misc : SEMIVOA GC\W1012935\5-DLCS.H | F=10 D=1 Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.26min 619.297ug/L m

response 317163

(31) Toxaphene {5} #2

13.03min 560.907ug/L m

response 998767

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F034.D IS-GC23-101410-8081.M Fri Nov 26 11:55:01 2010

Organic Analysis:
Organochlorine Pesticides

Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Level ID	File ID
A	J:\GC23\DATA\101410\1014F004.D
B	J:\GC23\DATA\101410\1014F005.D
C	J:\GC23\DATA\101410\1014F006.D
D	J:\GC23\DATA\101410\1014F007.D
E	J:\GC23\DATA\101410\1014F008.D
F	J:\GC23\DATA\101410\1014F009.D
G	J:\GC23\DATA\101410\1014F012.D
H	J:\GC23\DATA\101410\1014F013.D
I	J:\GC23\DATA\101410\1014F014.D
J	J:\GC23\DATA\101410\1014F015.D
K	J:\GC23\DATA\101410\1014F016.D
L	J:\GC23\DATA\101410\1014F017.D
M	J:\GC23\DATA\101410\1014F019.D
N	J:\GC23\DATA\101410\1014F020.D
O	J:\GC23\DATA\101410\1014F021.D
P	J:\GC23\DATA\101410\1014F022.D
Q	J:\GC23\DATA\101410\1014F023.D
R	J:\GC23\DATA\101410\1014F024.D
S	J:\GC23\DATA\101410\1014F026.D
T	J:\GC23\DATA\101410\1014F027.D
U	J:\GC23\DATA\101410\1014F028.D
V	J:\GC23\DATA\101410\1014F029.D
W	J:\GC23\DATA\101410\1014F030.D
X	J:\GC23\DATA\101410\1014F031.D
Y	J:\GC23\DATA\101410\1014F033.D
Z	J:\GC23\DATA\101410\1014F034.D
AA	J:\GC23\DATA\101410\1014F035.D
AB	J:\GC23\DATA\101410\1014F036.D
AC	J:\GC23\DATA\101410\1014F037.D
AD	J:\GC23\DATA\101410\1014F038.D

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Tetrachloro-m-xylene	A	2.0	1.12	B	5.0	1.18	C	20	1.14	D	50	1.03	E	100	1.02
	F	200	1.03												
Decachlorobiphenyl	A	2.0	0.890	B	5.0	0.939	C	20	0.965	D	50	0.859	E	100	0.824
	F	200	0.799												
alpha-BHC	A	2.0	1.54	B	5.0	1.59	C	20	1.64	D	50	1.50	E	100	1.55
	F	200	1.62												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
beta-BHC	A	2.0	0.777	B	5.0	0.810	C	20	0.756	D	50	0.662	E	100	0.651
	F	200	0.641												
gamma-BHC (Lindane)	A	2.0	1.49	B	5.0	1.54	C	20	1.55	D	50	1.41	E	100	1.44
	F	200	1.48												
delta-BHC	A	2.0	1.48	B	5.0	1.47	C	20	1.51	D	50	1.40	E	100	1.43
	F	200	1.49												
Heptachlor	A	2.0	1.54	B	5.0	1.54	C	20	1.54	D	50	1.38	E	100	1.39
	F	200	1.42												
Aldrin	A	2.0	1.47	B	5.0	1.49	C	20	1.47	D	50	1.32	E	100	1.32
	F	200	1.34												
Heptachlor Epoxide	A	2.0	1.44	B	5.0	1.45	C	20	1.41	D	50	1.25	E	100	1.24
	F	200	1.24												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Endosulfan I	A	2.0	1.31	B	5.0	1.32	C	20	1.29	D	50	1.15	E	100	1.13
	F	200	1.13												
Dieldrin	A	2.0	1.36	B	5.0	1.43	C	20	1.41	D	50	1.27	E	100	1.26
	F	200	1.28												
4,4'-DDE	A	2.0	1.22	B	5.0	1.31	C	20	1.28	D	50	1.15	E	100	1.16
	F	200	1.18												
Endrin	A	2.0	1.19	B	5.0	1.28	C	20	1.25	D	50	1.12	E	100	1.12
	F	200	1.13												
Endosulfan II	A	2.0	1.30	B	5.0	1.30	C	20	1.27	D	50	1.12	E	100	1.09
	F	200	1.09												
4,4'-DDD	A	2.0	1.13	B	5.0	1.17	C	20	1.12	D	50	1.00	E	100	1.00
	F	200	1.01												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Endrin Aldehyde	A	2.0	1.05	B	5.0	1.08	C	20	1.04	D	50	0.923	E	100	0.907
	F	200	0.890												
Endosulfan Sulfate	A	2.0	1.17	B	5.0	1.22	C	20	1.19	D	50	1.04	E	100	1.02
	F	200	1.00												
4,4'-DDT	A	2.0	1.18	B	5.0	1.18	C	20	1.17	D	50	1.04	E	100	1.04
	F	200	1.05												
Toxaphene {1}				G	100	0.00727	H	250	0.00729	I	500	0.00718	J	1000	0.00715
	K	2000	0.00634	L	5000	0.00629									
Toxaphene {2}				G	100	0.0173	H	250	0.0163	I	500	0.0167	J	1000	0.0164
	K	2000	0.0153	L	5000	0.0155									
Toxaphene {3}				G	100	0.0113	H	250	0.0134	I	500	0.0133	J	1000	0.0126
	K	2000	0.0118	L	5000	0.0120									

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Toxaphene {4}				G	100	0.0204	H	250	0.0189	I	500	0.0184	J	1000	0.0179
	K	2000	0.0165	L	5000	0.0162									
Toxaphene {5}				G	100	0.0160	H	250	0.0153	I	500	0.0150	J	1000	0.0151
	K	2000	0.0138	L	5000	0.0139									
Toxaphene {6}				G	100	0.0251	H	250	0.0227	I	500	0.0225	J	1000	0.0224
	K	2000	0.0207	L	5000	0.0275									
Chlordane {1}							M	25	0.0519	N	50	0.0510	O	100	0.0528
	P	500	0.0511	Q	1000	0.0475	R	2000	0.0459						
Chlordane {2}							M	25	0.0708	N	50	0.0711	O	100	0.0694
	P	500	0.0677	Q	1000	0.0625	R	2000	0.0615						
Chlordane {3}							M	25	0.0522	N	50	0.0472	O	100	0.0497
	P	500	0.0451	Q	1000	0.0404	R	2000	0.0380						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Chlordane {4}															
							M	25	0.151	N	50	0.153	O	100	0.155
	P	500	0.149	Q	1000	0.139	R	2000	0.136						
Chlordane {5}															
							M	25	0.125	N	50	0.121	O	100	0.122
	P	500	0.116	Q	1000	0.105	R	2000	0.102						
Chlordane {6}															
							M	25	0.0847	N	50	0.0816	O	100	0.0847
	P	500	0.0784	Q	1000	0.0711	R	2000	0.0679						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB XLB

		Calibration Evaluation					RRF Evaluation		
Analyte Name	Compound Type	Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Tetrachloro-m-xylene	SURR	AverageRF	% RSD	6.3		≤ 20	1.09		
Decachlorobiphenyl	SURR	AverageRF	% RSD	7.3		≤ 20	0.879		
alpha-BHC	MS	AverageRF	% RSD	3.3		≤ 20	1.57		
beta-BHC	MS	AverageRF	% RSD	10.3		≤ 20	0.716		
gamma-BHC (Lindane)	MS	AverageRF	% RSD	3.8		≤ 20	1.49		
delta-BHC	MS	AverageRF	% RSD	2.9		≤ 20	1.46		
Heptachlor	MS	AverageRF	% RSD	5.6		≤ 20	1.47		
Aldrin	MS	AverageRF	% RSD	6.0		≤ 20	1.40		
Heptachlor Epoxide	MS	AverageRF	% RSD	7.8		≤ 20	1.34		
Endosulfan I	MS	AverageRF	% RSD	7.7		≤ 20	1.22		
Dieldrin	MS	AverageRF	% RSD	5.8		≤ 20	1.34		
4,4'-DDE	MS	AverageRF	% RSD	5.4		≤ 20	1.22		
Endrin	MS	AverageRF	% RSD	5.8		≤ 20	1.18		
Endosulfan II	MS	AverageRF	% RSD	8.9		≤ 20	1.20		
4,4'-DDD	MS	AverageRF	% RSD	7.0		≤ 20	1.07		
Endrin Aldehyde	MS	AverageRF	% RSD	8.3		≤ 20	0.980		
Endosulfan Sulfate	MS	AverageRF	% RSD	8.8		≤ 20	1.11		
4,4'-DDT	MS	AverageRF	% RSD	6.5		≤ 20	1.11		
Toxaphene {1}	MULTI	AverageRF	% RSD	6.8		≤ 20	0.00692		
Toxaphene {2}	MULTI	AverageRF	% RSD	4.6		≤ 20	0.0162		
Toxaphene {3}	MULTI	AverageRF	% RSD	6.8		≤ 20	0.0124		
Toxaphene {4}	MULTI	AverageRF	% RSD	8.6		≤ 20	0.0181		
Toxaphene {5}	MULTI	AverageRF	% RSD	5.7		≤ 20	0.0148		
Toxaphene {6}	MULTI	AverageRF	% RSD	10.4		≤ 20	0.0235		
Chlordane {1}	MULTI	AverageRF	% RSD	5.4		≤ 20	0.0500		
Chlordane {2}	MULTI	AverageRF	% RSD	6.2		≤ 20	0.0671		
Chlordane {3}	MULTI	AverageRF	% RSD	12.0		≤ 20	0.0454		
Chlordane {4}	MULTI	AverageRF	% RSD	5.3		≤ 20	0.147		
Chlordane {5}	MULTI	AverageRF	% RSD	8.2		≤ 20	0.115		
Chlordane {6}	MULTI	AverageRF	% RSD	9.1		≤ 20	0.0780		

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010
Date Analyzed: 10/14/2010 - 10/15/2010

Second Source Calibration Verification
Organochlorine Pesticides

Calibration Type: Internal Standard
Analysis Method: 8081A

Calibration ID: CAL9961
Units: ug/L

File ID: J:\GC23\DATA\101410\1014F010.D
J:\GC23\DATA\101410\1014F011.D
J:\GC23\DATA\101410\1014F018.D
J:\GC23\DATA\101410\1014F025.D
J:\GC23\DATA\101410\1014F032.D
J:\GC23\DATA\101410\1014F039.D

Column ID: DB XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
alpha-BHC	40	37	1.57	1.45	-8	NA	± 20 %	AverageRF
beta-BHC	40	36	0.716	0.646	-10	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	40	37	1.49	1.38	-7	NA	± 20 %	AverageRF
delta-BHC	40	38	1.46	1.37	-6	NA	± 20 %	AverageRF
Heptachlor	40	37	1.47	1.36	-7	NA	± 20 %	AverageRF
Aldrin	40	36	1.40	1.28	-9	NA	± 20 %	AverageRF
Heptachlor Epoxide	40	37	1.34	1.24	-8	NA	± 20 %	AverageRF
Endosulfan I	40	37	1.22	1.13	-7	NA	± 20 %	AverageRF
Dieldrin	40	36	1.34	1.21	-10	NA	± 20 %	AverageRF
4,4'-DDE	40	42	1.22	1.28	6	NA	± 20 %	AverageRF
Endrin	40	34	1.18	1.00	-15	NA	± 20 %	AverageRF
Endosulfan II	40	37	1.20	1.10	-8	NA	± 20 %	AverageRF
4,4'-DDD	40	36	1.07	0.974	-9	NA	± 20 %	AverageRF
Endrin Aldehyde	40	38	0.980	0.939	-4	NA	± 20 %	AverageRF
Endosulfan Sulfate	40	37	1.11	1.02	-8	NA	± 20 %	AverageRF
4,4'-DDT	40	37	1.11	1.03	-7	NA	± 20 %	AverageRF
Toxaphene {1}	1000	1100	0.00692	0.00750	8	NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100	0.0162	0.0186	15	NA	± 100 %	AverageRF
Toxaphene {3}	1000	1100	0.0124	0.0137	11	NA	± 100 %	AverageRF
Toxaphene {4}	1000	1100	0.0181	0.0191	6	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1100	0.0148	0.0159	7	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1000	0.0235	0.0238	1	NA	± 100 %	AverageRF
Toxaphene	1000	1100	NA	NA	NA	8	± 20 %	NA
Chlordane {1}	800	660	0.0500	0.0414	-17	NA	± 100 %	AverageRF
Chlordane {2}	800	920	0.0671	0.0773	15	NA	± 100 %	AverageRF
Chlordane {3}	800	710	0.0454	0.0402	-12	NA	± 100 %	AverageRF
Chlordane {4}	800	870	0.147	0.160	9	NA	± 100 %	AverageRF
Chlordane {5}	800	730	0.115	0.105	-9	NA	± 100 %	AverageRF
Chlordane {6}	800	1000	0.0780	0.102	30	NA	± 100 %	AverageRF
Chlordane	800	820	NA	NA	NA	3	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Level ID	File ID
A	J:\GC23\DATA\101410\1014F004.D\1014F004c.d
B	J:\GC23\DATA\101410\1014F005.D\1014F005c.d
C	J:\GC23\DATA\101410\1014F006.D\1014F006c.d
D	J:\GC23\DATA\101410\1014F007.D\1014F007c.d
E	J:\GC23\DATA\101410\1014F008.D\1014F008c.d
F	J:\GC23\DATA\101410\1014F009.D\1014F009c.d
G	J:\GC23\DATA\101410\1014F012.D\1014F012c.d
H	J:\GC23\DATA\101410\1014F013.D\1014F013c.d
I	J:\GC23\DATA\101410\1014F014.D\1014F014c.d
J	J:\GC23\DATA\101410\1014F015.D\1014F015c.d
K	J:\GC23\DATA\101410\1014F016.D\1014F016c.d
L	J:\GC23\DATA\101410\1014F017.D\1014F017c.d
M	J:\GC23\DATA\101410\1014F019.D\1014F019c.d
N	J:\GC23\DATA\101410\1014F020.D\1014F020c.d
O	J:\GC23\DATA\101410\1014F021.D\1014F021c.d
P	J:\GC23\DATA\101410\1014F022.D\1014F022c.d
Q	J:\GC23\DATA\101410\1014F023.D\1014F023c.d
R	J:\GC23\DATA\101410\1014F024.D\1014F024c.d
S	J:\GC23\DATA\101410\1014F026.D\1014F026c.d
T	J:\GC23\DATA\101410\1014F027.D\1014F027c.d
U	J:\GC23\DATA\101410\1014F028.D\1014F028c.d
V	J:\GC23\DATA\101410\1014F029.D\1014F029c.d
W	J:\GC23\DATA\101410\1014F030.D\1014F030c.d
X	J:\GC23\DATA\101410\1014F031.D\1014F031c.d
Y	J:\GC23\DATA\101410\1014F033.D\1014F033c.d
Z	J:\GC23\DATA\101410\1014F034.D\1014F034c.d
AA	J:\GC23\DATA\101410\1014F035.D\1014F035c.d
AB	J:\GC23\DATA\101410\1014F036.D\1014F036c.d
AC	J:\GC23\DATA\101410\1014F037.D\1014F037c.d
AD	J:\GC23\DATA\101410\1014F038.D\1014F038c.d

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Tetrachloro-m-xylene	A	2.0	0.988	B	5.0	1.07	C	20	1.08	D	50	0.978	E	100	0.987
	F	200	0.997												
Decachlorobiphenyl	A	2.0	1.29	B	5.0	1.32	C	20	1.24	D	50	1.08	E	100	1.05
	F	200	1.02												
alpha-BHC	A	2.0	1.30	B	5.0	1.46	C	20	1.54	D	50	1.43	E	100	1.51
	F	200	1.58												

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Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
beta-BHC	A	2.0	0.671	B	5.0	0.747	C	20	0.735	D	50	0.657	E	100	0.657
	F	200	0.651												
gamma-BHC (Lindane)	A	2.0	1.34	B	5.0	1.41	C	20	1.50	D	50	1.37	E	100	1.43
	F	200	1.48												
delta-BHC	A	2.0	1.29	B	5.0	1.43	C	20	1.48	D	50	1.37	E	100	1.44
	F	200	1.50												
Heptachlor	A	2.0	1.31	B	5.0	1.44	C	20	1.47	D	50	1.33	E	100	1.36
	F	200	1.38												
Aldrin	A	2.0	1.26	B	5.0	1.29	C	20	1.33	D	50	1.22	E	100	1.26
	F	200	1.29												
Heptachlor Epoxide	A	2.0	1.20	B	5.0	1.31	C	20	1.33	D	50	1.19	E	100	1.21
	F	200	1.22												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Endosulfan I	A	2.0	1.18	B	5.0	1.24	C	20	1.23	D	50	1.10	E	100	1.11
	F	200	1.12												
Dieldrin	A	2.0	1.25	B	5.0	1.26	C	20	1.31	D	50	1.18	E	100	1.22
	F	200	1.25												
4,4'-DDE	A	2.0	1.10	B	5.0	1.22	C	20	1.20	D	50	1.11	E	100	1.14
	F	200	1.17												
Endrin	A	2.0	1.06	B	5.0	1.14	C	20	1.20	D	50	1.08	E	100	1.11
	F	200	1.14												
Endosulfan II	A	2.0	1.15	B	5.0	1.21	C	20	1.21	D	50	1.09	E	100	1.10
	F	200	1.10												
4,4'-DDD	A	2.0	1.03	B	5.0	0.999	C	20	1.03	D	50	0.931	E	100	0.965
	F	200	0.996												

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Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Endrin Aldehyde	A	2.0	0.894	B	5.0	1.03	C	20	1.05	D	50	0.927	E	100	0.935
	F	200	0.931												
Endosulfan Sulfate	A	2.0	1.08	B	5.0	1.16	C	20	1.17	D	50	1.05	E	100	1.06
	F	200	1.06												
4,4'-DDT	A	2.0	0.865	B	5.0	0.937	C	20	1.04	D	50	0.964	E	100	1.01
	F	200	1.05												
Toxaphene {1}				G	100	0.0183	H	250	0.0174	I	500	0.0184	J	1000	0.0187
	K	2000	0.0177	L	5000	0.0174									
Toxaphene {2}				G	100	0.0137	H	250	0.0123	I	500	0.0133	J	1000	0.0130
	K	2000	0.0120	L	5000	0.0124									
Toxaphene {3}				G	100	0.00753	H	250	0.00647	I	500	0.00695	J	1000	0.00691
	K	2000	0.00622	L	5000	0.00610									

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Toxaphene {4}				G	100	0.0120	H	250	0.0110	I	500	0.0112	J	1000	0.0114
	K	2000	0.0110	L	5000	0.0107									
Toxaphene {5}				G	100	0.00716	H	250	0.00711	I	500	0.00737	J	1000	0.00768
	K	2000	0.00712	L	5000	0.00701									
Toxaphene {6}				G	100	0.0173	H	250	0.0158	I	500	0.0170	J	1000	0.0181
	K	2000	0.0178	L	5000	0.0181									
Chlordane {1}							M	25	0.0476	N	50	0.0450	O	100	0.0446
	P	500	0.0446	Q	1000	0.0415	R	2000	0.0407						
Chlordane {2}							M	25	0.0576	N	50	0.0571	O	100	0.0591
	P	500	0.0596	Q	1000	0.0566	R	2000	0.0560						
Chlordane {3}							M	25	0.124	N	50	0.121	O	100	0.125
	P	500	0.126	Q	1000	0.118	R	2000	0.119						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Chlordane {4}															
							M	25	0.0725	N	50	0.0725	O	100	0.0735
	P	500	0.0728	Q	1000	0.0677	R	2000	0.0647						
Chlordane {5}															
							M	25	0.0344	N	50	0.0336	O	100	0.0341
	P	500	0.0384	Q	1000	0.0362	R	2000	0.0363						
Chlordane {6}															
							M	25	0.103	N	50	0.101	O	100	0.105
	P	500	0.104	Q	1000	0.0980	R	2000	0.0972						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL9961
Instrument ID: GC23

Column: DB-35MS

		Calibration Evaluation					RRF Evaluation		
Analyte Name	Compound Type	Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Tetrachloro-m-xylene	SURR	AverageRF	% RSD	4.6		≤ 20	1.02		
Decachlorobiphenyl	SURR	AverageRF	% RSD	11.3		≤ 20	1.17		
alpha-BHC	MS	AverageRF	% RSD	6.7		≤ 20	1.47		
beta-BHC	MS	AverageRF	% RSD	6.3		≤ 20	0.686		
gamma-BHC (Lindane)	MS	AverageRF	% RSD	4.2		≤ 20	1.42		
delta-BHC	MS	AverageRF	% RSD	5.5		≤ 20	1.42		
Heptachlor	MS	AverageRF	% RSD	4.6		≤ 20	1.38		
Aldrin	MS	AverageRF	% RSD	3.0		≤ 20	1.27		
Heptachlor Epoxide	MS	AverageRF	% RSD	4.8		≤ 20	1.24		
Endosulfan I	MS	AverageRF	% RSD	5.3		≤ 20	1.16		
Dieldrin	MS	AverageRF	% RSD	3.5		≤ 20	1.24		
4,4'-DDE	MS	AverageRF	% RSD	4.2		≤ 20	1.16		
Endrin	MS	AverageRF	% RSD	4.4		≤ 20	1.12		
Endosulfan II	MS	AverageRF	% RSD	5.1		≤ 20	1.14		
4,4'-DDD	MS	AverageRF	% RSD	3.9		≤ 20	0.992		
Endrin Aldehyde	MS	AverageRF	% RSD	6.6		≤ 20	0.961		
Endosulfan Sulfate	MS	AverageRF	% RSD	5.1		≤ 20	1.10		
4,4'-DDT	MS	AverageRF	% RSD	7.3		≤ 20	0.979		
Toxaphene {1}	MULTI	AverageRF	% RSD	3.1		≤ 20	0.0180		
Toxaphene {2}	MULTI	AverageRF	% RSD	5.2		≤ 20	0.0128		
Toxaphene {3}	MULTI	AverageRF	% RSD	8.0		≤ 20	0.00669		
Toxaphene {4}	MULTI	AverageRF	% RSD	4.0		≤ 20	0.0112		
Toxaphene {5}	MULTI	AverageRF	% RSD	3.4		≤ 20	0.00724		
Toxaphene {6}	MULTI	AverageRF	% RSD	5.0		≤ 20	0.0173		
Chlordane {1}	MULTI	AverageRF	% RSD	5.7		≤ 20	0.0440		
Chlordane {2}	MULTI	AverageRF	% RSD	2.5		≤ 20	0.0577		
Chlordane {3}	MULTI	AverageRF	% RSD	2.6		≤ 20	0.122		
Chlordane {4}	MULTI	AverageRF	% RSD	5.1		≤ 20	0.0706		
Chlordane {5}	MULTI	AverageRF	% RSD	5.0		≤ 20	0.0355		
Chlordane {6}	MULTI	AverageRF	% RSD	3.3		≤ 20	0.101		

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/14/2010
Date Analyzed: 10/14/2010 - 10/15/2010

Second Source Calibration Verification
Organochlorine Pesticides

Calibration Type: Internal Standard
Analysis Method: 8081A

Calibration ID: CAL9961
Units: ug/L

File ID: J:\GC23\DATA\101410\1014F010.D\1014F010c.d
J:\GC23\DATA\101410\1014F011.D\1014F011c.d
J:\GC23\DATA\101410\1014F018.D\1014F018c.d
J:\GC23\DATA\101410\1014F025.D\1014F025c.d
J:\GC23\DATA\101410\1014F032.D\1014F032c.d
J:\GC23\DATA\101410\1014F039.D\1014F039c.d

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
alpha-BHC	40	39	1.47	1.42	-3	NA	± 20 %	AverageRF
beta-BHC	40	38	0.686	0.656	-4	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	40	38	1.42	1.36	-4	NA	± 20 %	AverageRF
delta-BHC	40	39	1.42	1.39	-2	NA	± 20 %	AverageRF
Heptachlor	40	39	1.38	1.33	-4	NA	± 20 %	AverageRF
Aldrin	40	38	1.27	1.20	-6	NA	± 20 %	AverageRF
Heptachlor Epoxide	40	38	1.24	1.19	-5	NA	± 20 %	AverageRF
Endosulfan I	40	38	1.16	1.12	-4	NA	± 20 %	AverageRF
Dieldrin	40	37	1.24	1.17	-6	NA	± 20 %	AverageRF
4,4'-DDE	40	40	1.16	1.15	-1	NA	± 20 %	AverageRF
Endrin	40	35	1.12	0.994	-11	NA	± 20 %	AverageRF
Endosulfan II	40	38	1.14	1.08	-5	NA	± 20 %	AverageRF
4,4'-DDD	40	39	0.992	0.974	-2	NA	± 20 %	AverageRF
Endrin Aldehyde	40	40	0.961	0.953	-1	NA	± 20 %	AverageRF
Endosulfan Sulfate	40	38	1.10	1.04	-6	NA	± 20 %	AverageRF
4,4'-DDT	40	40	0.979	0.968	-1	NA	± 20 %	AverageRF
Toxaphene {1}	1000	1100	0.0180	0.0206	15	NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100	0.0128	0.0147	15	NA	± 100 %	AverageRF
Toxaphene {3}	1000	1100	0.00669	0.00721	8	NA	± 100 %	AverageRF
Toxaphene {4}	1000	1100	0.0112	0.0127	13	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1200	0.00724	0.00865	19	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1100	0.0173	0.0198	14	NA	± 100 %	AverageRF
Toxaphene	1000	1100	NA	NA	NA	14	± 20 %	NA
Chlordane {1}	800	630	0.0440	0.0349	-21	NA	± 100 %	AverageRF
Chlordane {2}	800	980	0.0577	0.0710	23	NA	± 100 %	AverageRF
Chlordane {3}	800	850	0.122	0.130	7	NA	± 100 %	AverageRF
Chlordane {4}	800	1100	0.0706	0.0976	38	NA	± 100 %	AverageRF
Chlordane {5}	800	970	0.0355	0.0431	21	NA	± 100 %	AverageRF
Chlordane {6}	800	750	0.101	0.0953	-6	NA	± 100 %	AverageRF
Chlordane	800	880	NA	NA	NA	10	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Sequence Name: J:\GC23\SEQUENCE\101410.S
Comment:
Operator: CCotnam
Data Path: C:\GC23\DATA\101410\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

ICAL 9961

Line	Type	Vial	DataFile	Method	Sample Name
1	DeleteGC				
2	MaskName -	----R---			
3	IB	1	1014F001	PESTA	IB
4	IB	2	1014F002	PESTA	IB
5	PEM	3	1014F003	PESTA	PEM @ 50-100ppb GCPS6-69S
6	ICAL	4	1014F004	PESTA	8081 @ 2ppb GCPS6-71I
7	ICAL	5	1014F005	PESTA	8081 @ 5ppb GCPS6-71J
8	ICAL	6	1014F006	PESTA	8081 @ 20ppb GCPS6-71K
9	ICAL	7	1014F007	PESTA	8081 @ 50ppb GCPS6-69M
10	ICAL	8	1014F008	PESTA	8081 @ 100ppb GCPS6-71L
11	ICAL	9	1014F009	PESTA	8081 @ 200ppb GCPS6-71M
12	ICV	10	1014F010	PESTA	8081 @ 40ppb GCPS6-67G
13	ICV	11	1014F011	PESTA	HCB ICV @ 40ppb GCPS6-64K
14	ICAL	12	1014F012	PESTA	TOX @ 100ppb GCPS6-71N
15	ICAL	13	1014F013	PESTA	TOX @ 250ppb GCPS6-71O
16	ICAL	14	1014F014	PESTA	TOX @ 500ppb GCPS6-71P
17	ICAL	15	1014F015	PESTA	TOX @ 1000ppb GCPS6-69O
18	ICAL	16	1014F016	PESTA	TOX @ 2000ppb GCPS6-71Q
19	ICAL	17	1014F017	PESTA	TOX @ 5000ppb GCPS6-72A
20	ICV	18	1014F018	PESTA	TOX @ 1000ppb GCPS6-66C
21	ICAL	19	1014F019	PESTA	CHLOR @ 25ppb GCPS6-72R
22	ICAL	20	1014F020	PESTA	CHLOR @ 50ppb GCPS6-72S
23	ICAL	21	1014F021	PESTA	CHLOR @ 100ppb GCPS6-72T
24	ICAL	22	1014F022	PESTA	CHLOR @ 500ppb GCPS6-69P
25	ICAL	23	1014F023	PESTA	CHLOR @ 1000ppb GCPS6-72U
26	ICAL	24	1014F024	PESTA	CHLOR @ 2000ppb GCPS6-73A
27	ICV	25	1014F025	PESTA	CHLOR @ 800ppb GCPS6-67C
28	ICAL	26	1014F026	PESTA	MISC @ 2ppb GCPS6-72G
29	ICAL	27	1014F027	PESTA	MISC @ 5ppb GCPS6-72H
30	ICAL	28	1014F028	PESTA	MISC @ 20ppb GCPS6-72I
31	ICAL	29	1014F029	PESTA	MISC @ 50ppb GCPS6-72J
32	ICAL	30	1014F030	PESTA	MISC @ 100ppb GCPS6-72K
33	ICAL	31	1014F031	PESTA	MISC @ 200ppb GCPS6-72L
34	ICV	32	1014F032	PESTA	MISC @ 40ppb GCPS6-68D
35	ICAL	33	1014F033	PESTA	2,4'S @ 2ppb GCPS6-72B
36	ICAL	34	1014F034	PESTA	2,4'S @ 5ppb GCPS6-72C
37	ICAL	35	1014F035	PESTA	2,4'S @ 20ppb GCPS6-72D
38	ICAL	36	1014F036	PESTA	2,4'S @ 50ppb GCPS6-69R
39	ICAL	37	1014F037	PESTA	2,4'S @ 100ppb GCPS6-72E
40	ICAL	38	1014F038	PESTA	2,4'S @ 200ppb GCPS6-72F
41	ICV	39	1014F039	PESTA	2,4'S @ 40ppb GCPS6-73B

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F002.D\ECD1A.CH Vial: 2
Signal #2 : J:\GC23\DATA\101410\1014F002.D\ECD2B.CH
Acq On : 14 Oct 2010 5:10 pm Operator: CCotnam
Sample : IB Inst : GC23
Misc : SEMIVOA GC\W0617642\1-IB.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:55:18 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.84	5.56	2117212	10856773	50.000	50.000
26)		1-Bromo-2-nitrob	5.84	5.56	2117212	10856773	50.000	50.000
33)		1-Bromo-2-nitrob	5.84	5.56	2117212	10856773	50.000	50.000
40)		1-Bromo-2-nitrob	5.84	5.56	2117212	10856773	50.000	50.000
49)		1-Bromo-2-nitrob	5.84	5.56	2117212	10856773	50.000	50.000

System Monitoring Compounds

Target Compounds

10/15/10

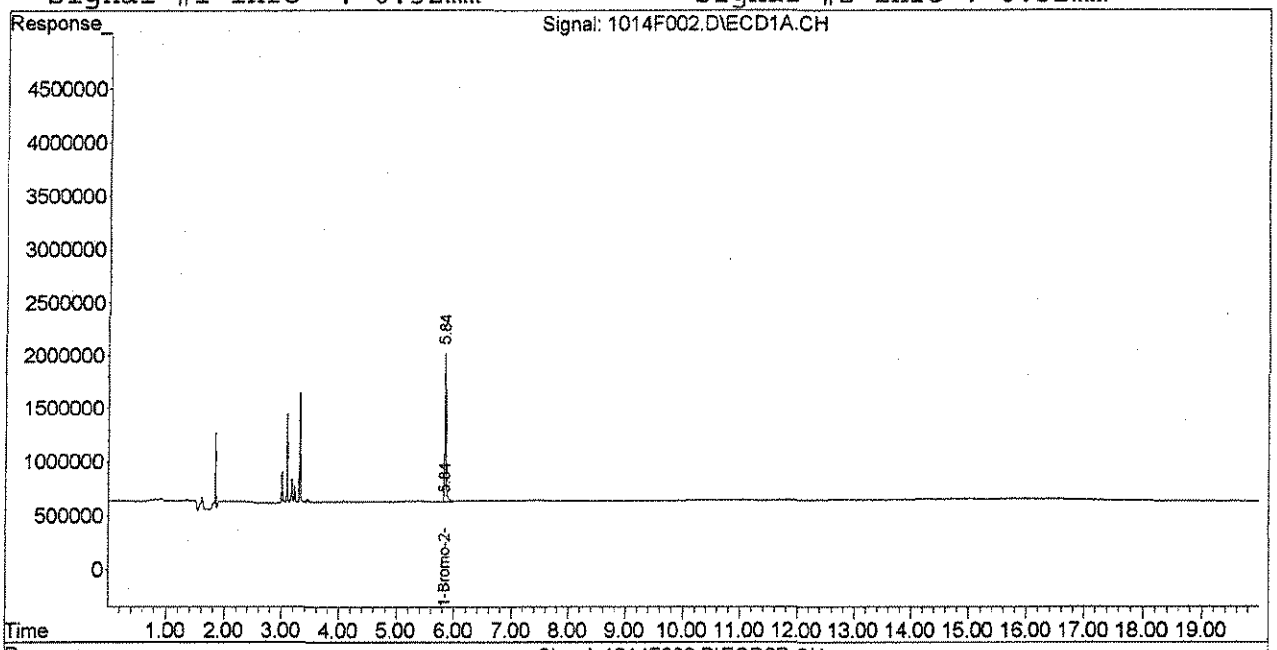
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
1014F002.D IS-GC23-101410-8081.M Fri Oct 15 11:00:40 2010 Page 1

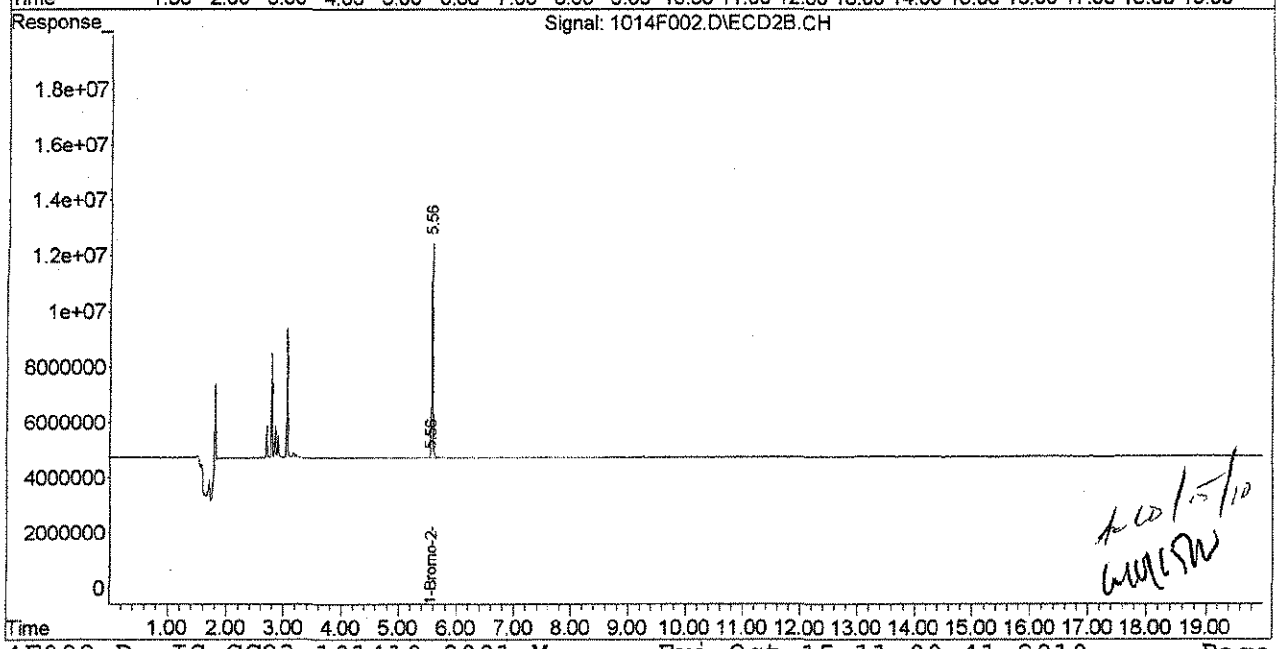
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F002.D\ECD1A.CH Vial: 2
Signal #2 : J:\GC23\DATA\101410\1014F002.D\ECD2B.CH
Acq On : 14 Oct 2010 5:10 pm Operator: CCotnam
Sample : IB Inst : GC23
Misc : SEMIVOA GC\W0617642\1-IB.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:57 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





10/15/10

Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F003.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\101410\1014F003.D\ECD2B.CH
Acq On : 14 Oct 2010 5:37 pm Operator: CCotnam
Sample : PEM @ 50-100ppb GCPS6-69S Inst : GC23
Misc : SEMIVOA GC\W0617642\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:55:19 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
1) i	1-Bromo-2-nitrob	5.84	5.57	2062881	10589571	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
16)	4,4'-DDE	12.35	11.49	26677	88666	0.531	0.362m#
17)	Endrin	12.89	12.14	2180588	10757274	44.748	45.290
19)	4,4'-DDD	13.13	12.35	27810	143774	0.628	0.684m
20)	Endrin Aldehyde	13.46	12.89	41463	200759	1.025	0.986
22)	4,4'-DDT	13.58	12.75	3798892	18918211	82.983	91.266
23)	Endrin Ketone	14.51	14.07	67351	353822	1.226m	1.311

10/15/10
CCotnam

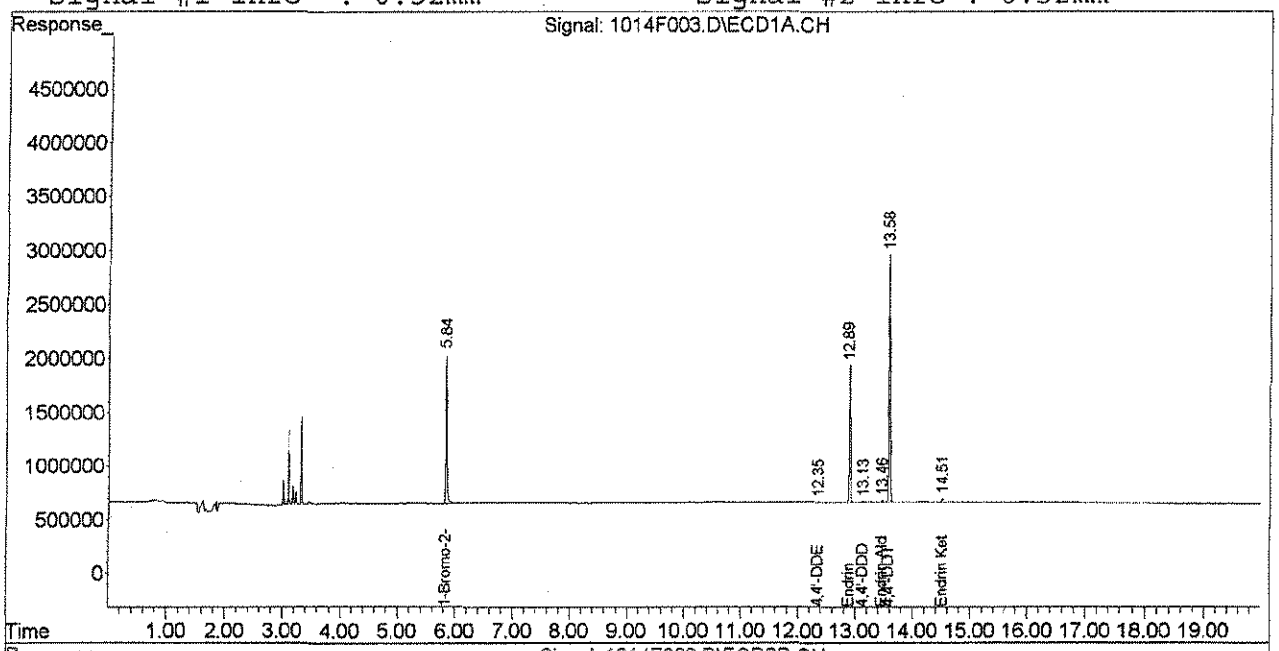
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
1014F003.D IS-GC23-101410-8081.M Fri Oct 15 11:00:43 2010 Page 1

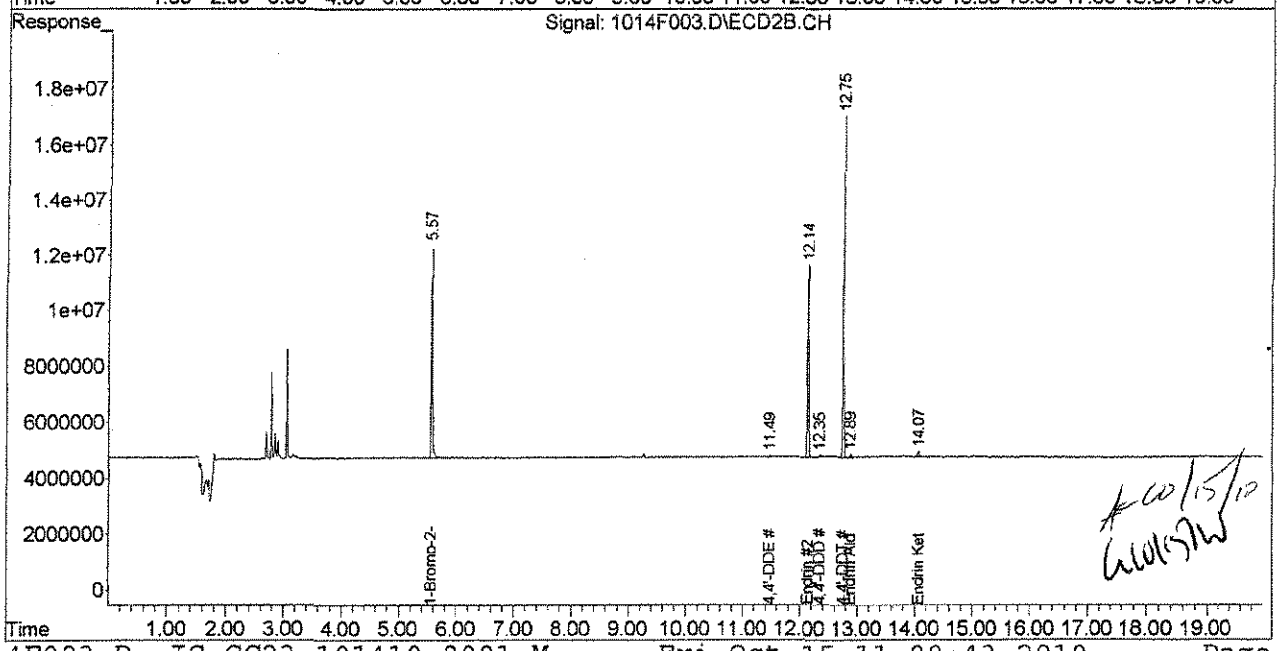
Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F003.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\101410\1014F003.D\ECD2B.CH
Acq On : 14 Oct 2010 5:37 pm Operator: CCotnam
Sample : PEM @ 50-100ppb GCPS6-69S Inst : GC23
Misc : SEMIVOA GC\W0617642\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:56 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



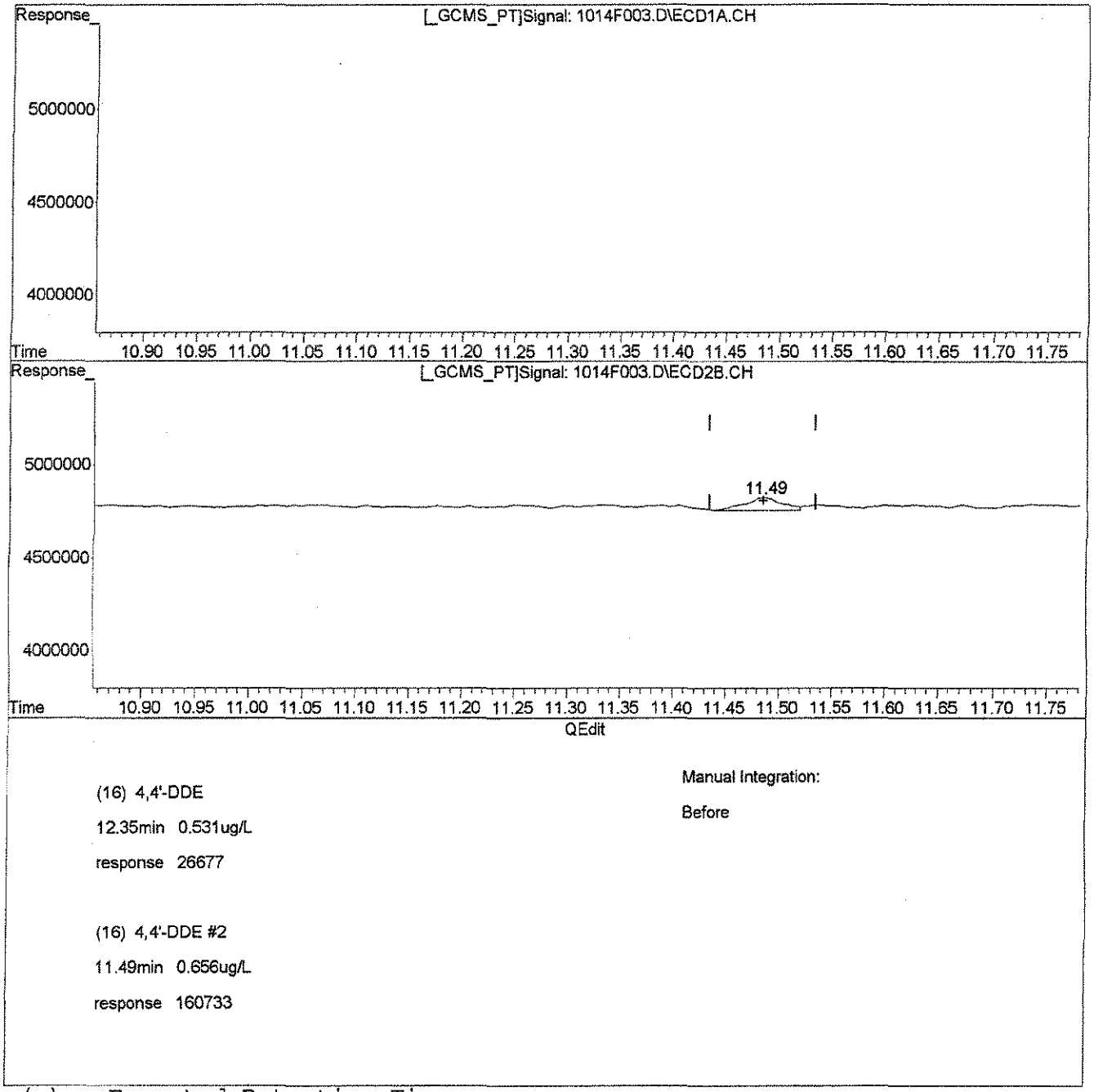


10/15/10

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F003.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\101410\1014F003.D\ECD2B.CH
Acq On : 14 Oct 2010 5:37 pm Operator: CCotnam
Sample : PEM @ 50-100ppb GCPS6-69S Inst : GC23
Misc : SEMIVOA GC\W0617642\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:55 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Multiple Level Calibration

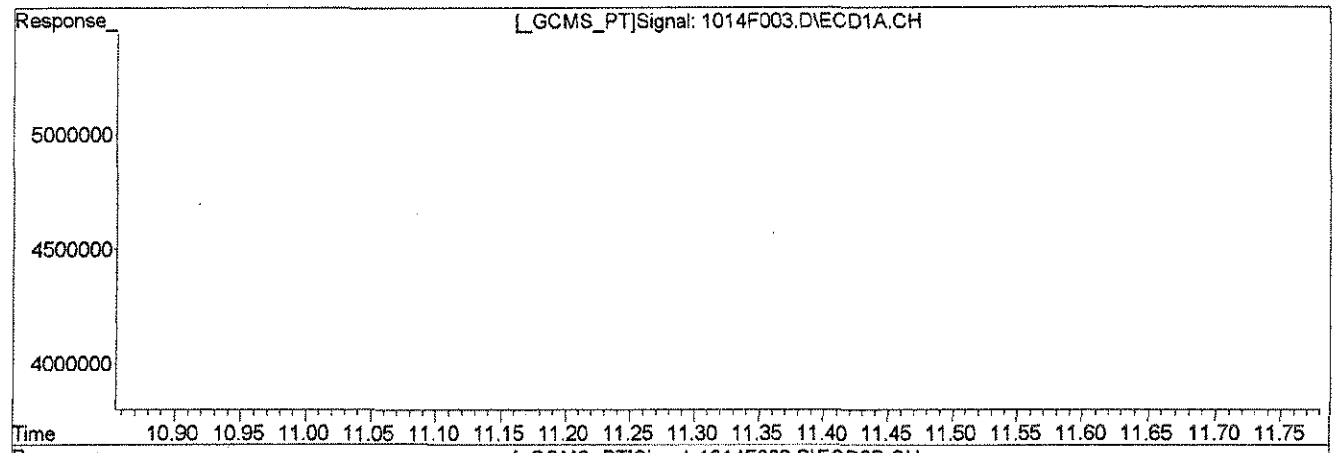


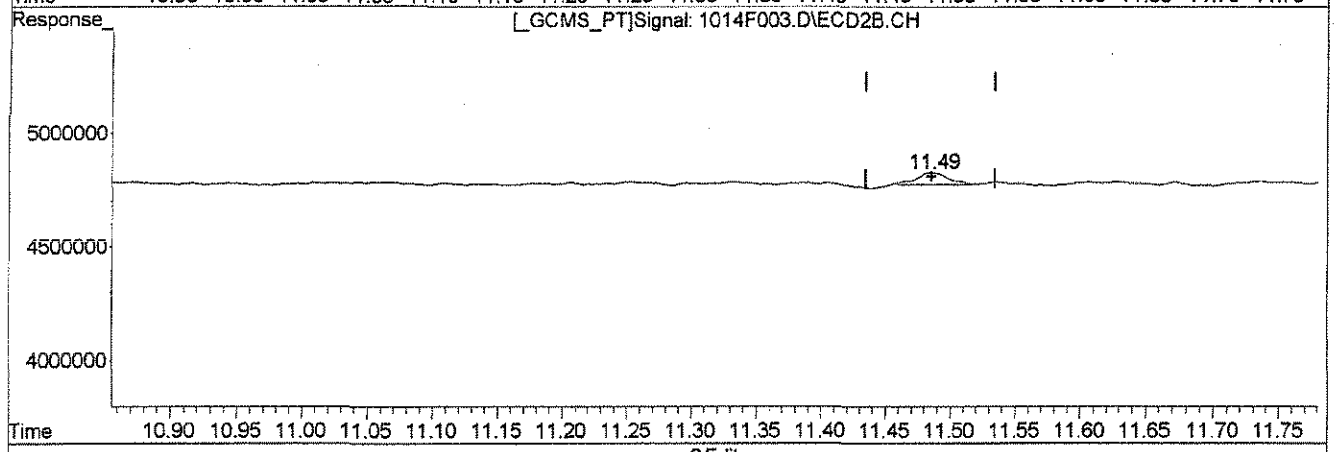
(+) = Expected Retention Time
1014F003.D IS-GC23-101410-8081.M Fri Oct 15 10:55:42 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F003.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\101410\1014F003.D\ECD2B.CH
Acq On : 14 Oct 2010 5:37 pm Operator: CCotnam
Sample : PEM @ 50-100ppb GCPS6-69S Inst : GC23
Misc : SEMIVOA GC\W0617642\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:55 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Multiple Level Calibration





QEdit

(16) 4,4'-DDE
12.35min 0.531ug/L
response 26677

(16) 4,4'-DDE #2
11.49min 0.362ug/L m
response 88666

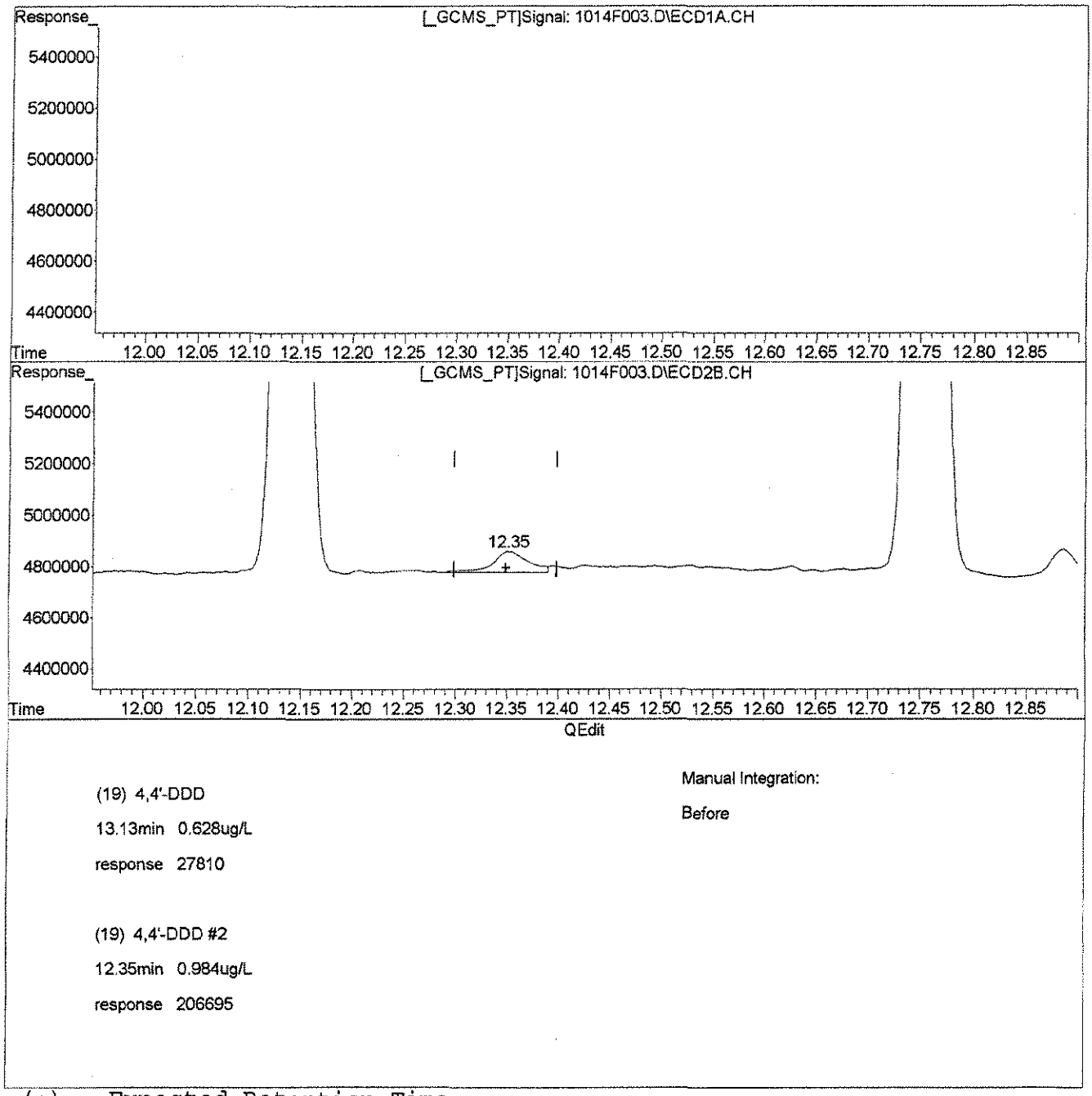
Manual Integration:
After
Baseline/Shoulder
10/15/10 W 10/15/10

(+) = Expected Retention Time
1014F003.D IS-GC23-101410-8081.M Fri Oct 15 10:55:47 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F003.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\101410\1014F003.D\ECD2B.CH
Acq On : 14 Oct 2010 5:37 pm Operator: CCotnam
Sample : PEM @ 50-100ppb GCPS6-69S Inst : GC23
Misc : SEMIVOA GC\W0617642\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:55 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Multiple Level Calibration

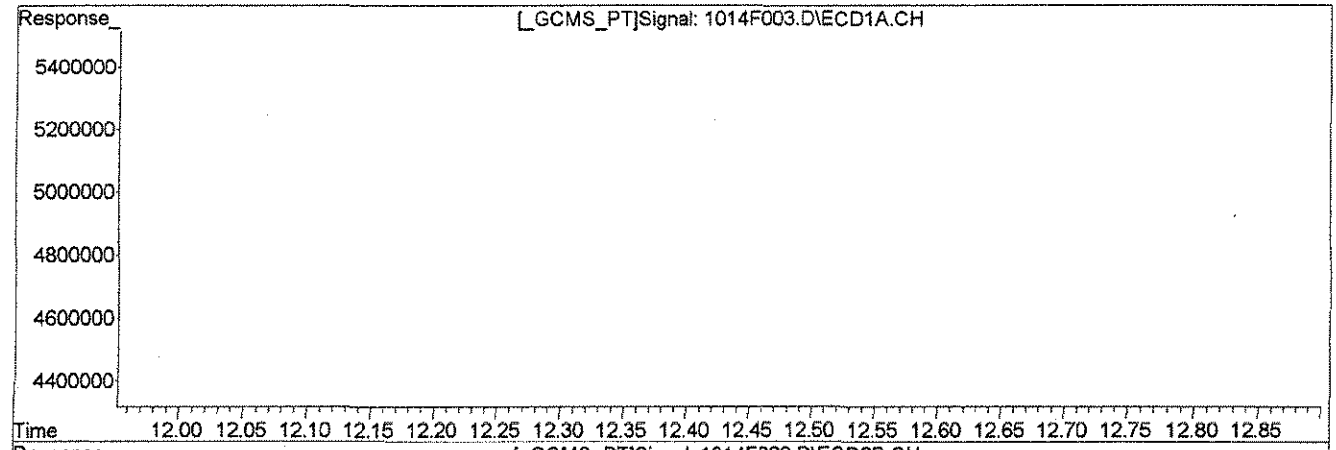


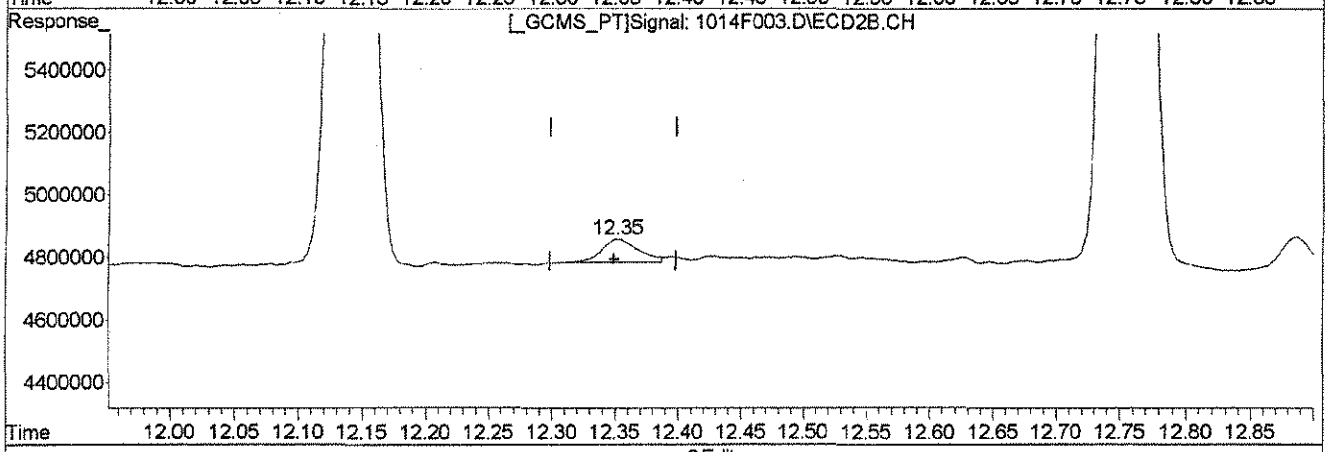
(+) = Expected Retention Time
1014F003.D IS-GC23-101410-8081.M Fri Oct 15 10:56:00 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F003.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\101410\1014F003.D\ECD2B.CH
Acq On : 14 Oct 2010 5:37 pm Operator: CCotnam
Sample : PEM @ 50-100ppb GCPS6-69S Inst : GC23
Misc : SEMIVOA GC\W0617642\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:55 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Multiple Level Calibration





QEdit

(19) 4,4'-DDD
13.13min 0.628ug/L
response 27810

(19) 4,4'-DDD #2
12.35min 0.684ug/L m
response 143774

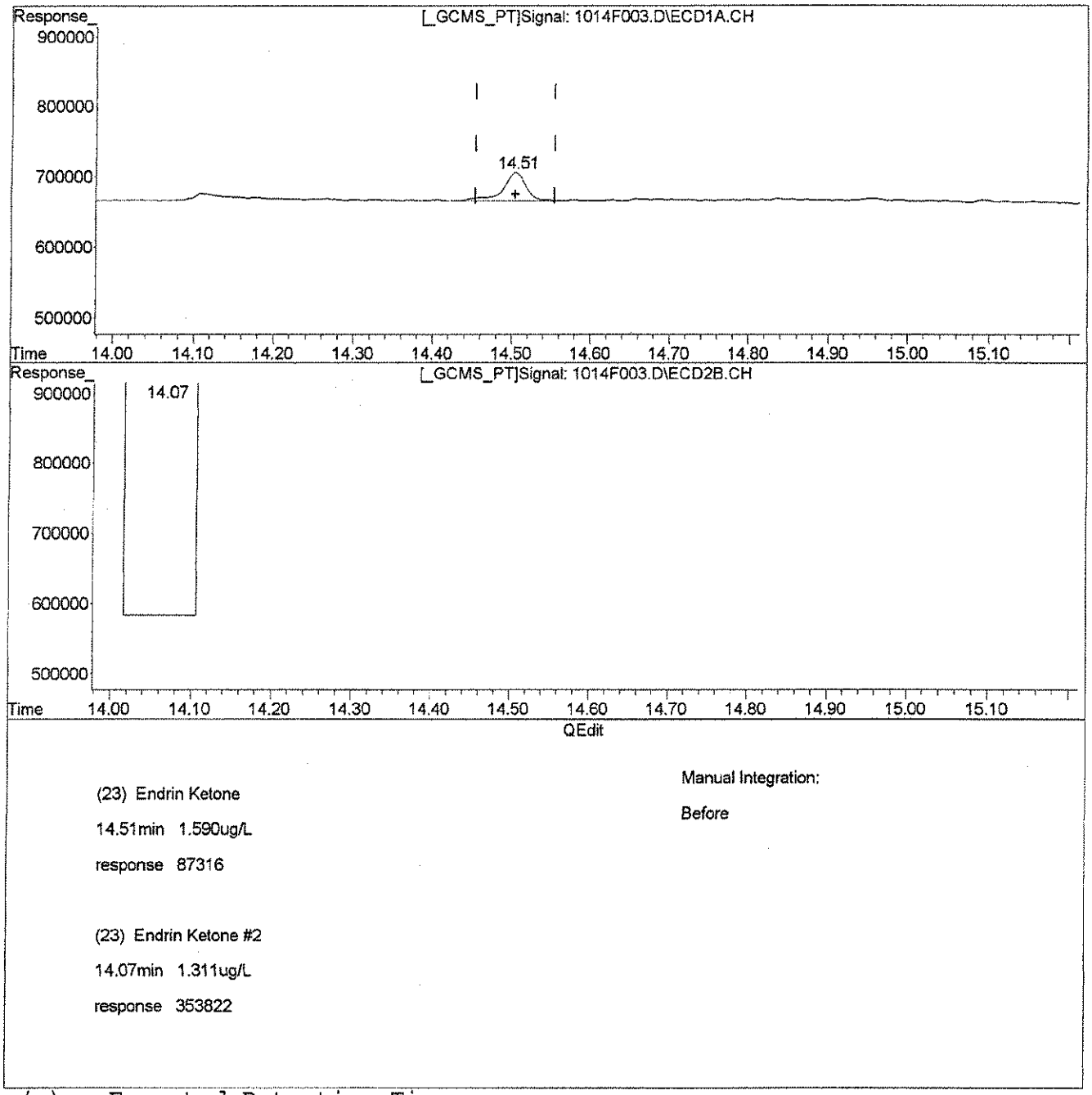
Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F003.D IS-GC23-101410-8081.M Fri Oct 15 10:56:07 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F003.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\101410\1014F003.D\ECD2B.CH
Acq On : 14 Oct 2010 5:37 pm Operator: CCotnam
Sample : PEM @ 50-100ppb GCPS6-69S Inst : GC23
Misc : SEMIVOA GC\W0617642\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:55 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Multiple Level Calibration



(23) Endrin Ketone
14.51min 1.590ug/L
response 87316

(23) Endrin Ketone #2
14.07min 1.311ug/L
response 353822

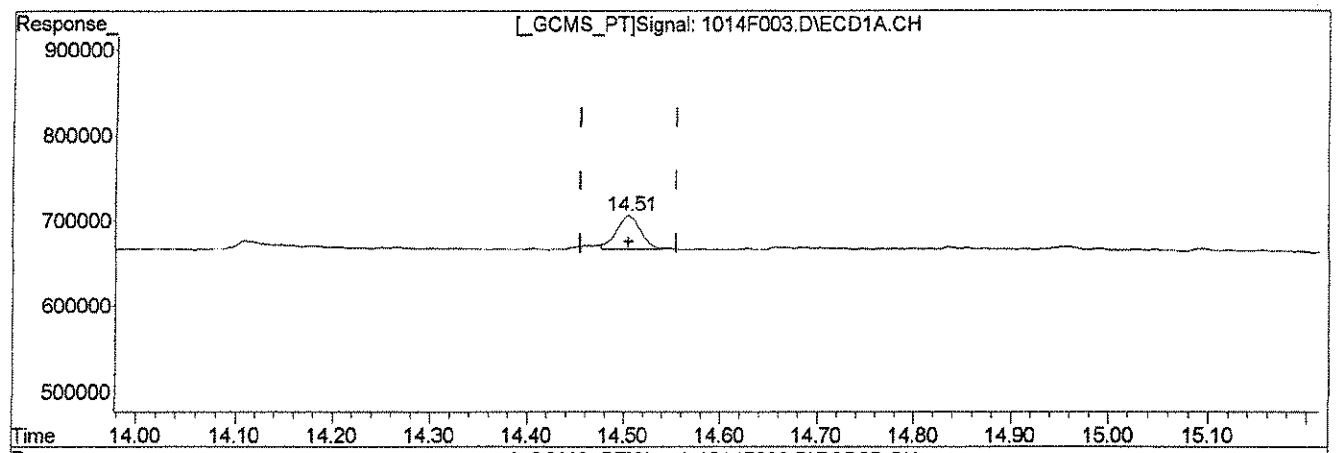
Manual Integration:
Before

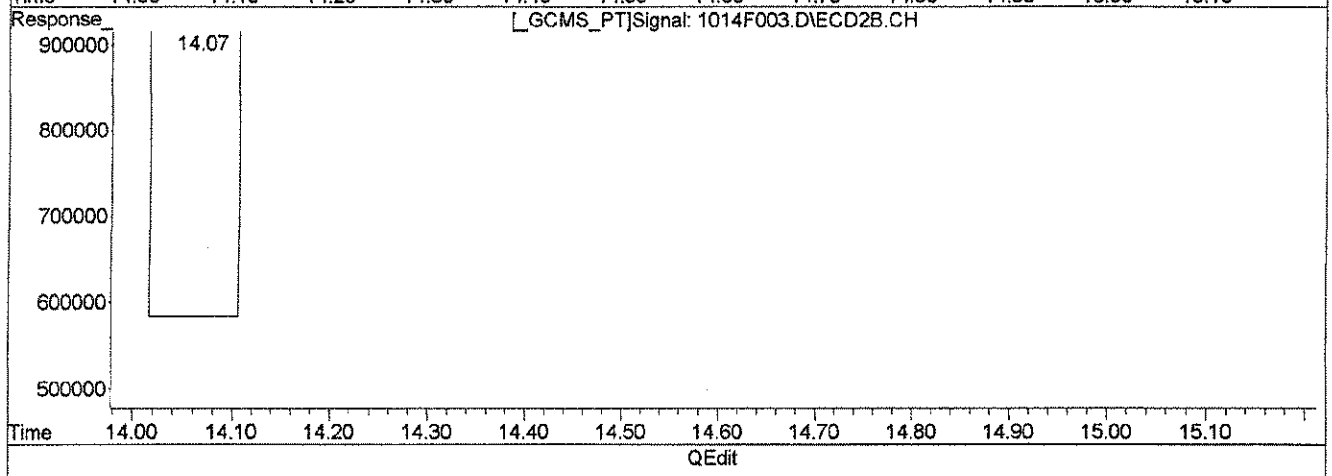
(+) = Expected Retention Time
1014F003.D IS-GC23-101410-8081.M Fri Oct 15 10:56:20 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F003.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\101410\1014F003.D\ECD2B.CH
Acq On : 14 Oct 2010 5:37 pm Operator: CCotnam
Sample : PEM @ 50-100ppb GCPS6-69S Inst : GC23
Misc : SEMIVOA GC\W0617642\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:55 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Multiple Level Calibration





(23) Endrin Ketone

14.51min 1.226ug/L m

response 67351

(23) Endrin Ketone #2

14.07min 1.311ug/L

response 353822

Manual Integration:

After

Baseline/Shoulder

10/15/10

(+) = Expected Retention Time
1014F003.D IS-GC23-101410-8081.M Fri Oct 15 10:56:27 2010

Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:39 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.84	5.57	2026593	10388067	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.14	7.13	91027	410370	2.086	1.950
25)	s	Decachlorobiphen	16.63	15.67	72170	535023	2.299m	2.683m
		Target Compounds						
3)		alpha-BHC	8.83	8.15	124833	541916	2.097	1.816
4)		Hexachlorobenzen	8.95	7.98	111118	685830	2.129	2.205
5)		beta-BHC	9.84	9.17	62999	278815	2.326	2.014
6)		gamma-BHC (Linda	9.37	8.76	120430	558539	2.162	1.947
7)		delta-BHC	10.25	9.60	120289	534135	2.234	1.884
8)		Heptachlor	10.32	9.32	125198	543610	2.378	1.966
9)		Aldrin	10.83	9.80	119476	523365	2.439m	2.113m
10)		Isodrin	11.35	10.44	96704	430886	2.482	2.030
11)		Heptachlor Epoxi	11.53	10.66	117006	497650	2.582	1.990
12)		gamma-Chlordane	12.03	11.01	114940	514643	2.656	2.064
13)		Endosulfan I	12.15	11.24	106094	489531	2.640	2.128
14)		alpha-Chlordane	12.10	11.16	112138	502653	2.598	2.086
15)		Dieldrin	12.54	11.67	110633	517342	2.621	2.090
16)		4,4'-DDE	12.35	11.48	99212	458054	2.498	1.993m
17)		Endrin	12.89	12.14	96800	441072	2.664m	2.020m
18)		Endosulfan II	13.30	12.54	105775	476841	2.814	2.134
19)		4,4'-DDD	13.13	12.35	91419	428931	2.721	2.128
20)		Endrin Aldehyde	13.46	12.88	84829	371504	2.724	2.013 #
21)		Endosulfan Sulfa	13.89	13.18	94830	449803	2.682	2.140
22)		4,4'-DDT	13.58	12.75	95614	359291	2.967	1.979 #
23)		Endrin Ketone	14.50	14.06	112994	509619	2.681	2.208
24)		Methoxychlor	14.24	13.76	51828	220807	2.741m	2.294m

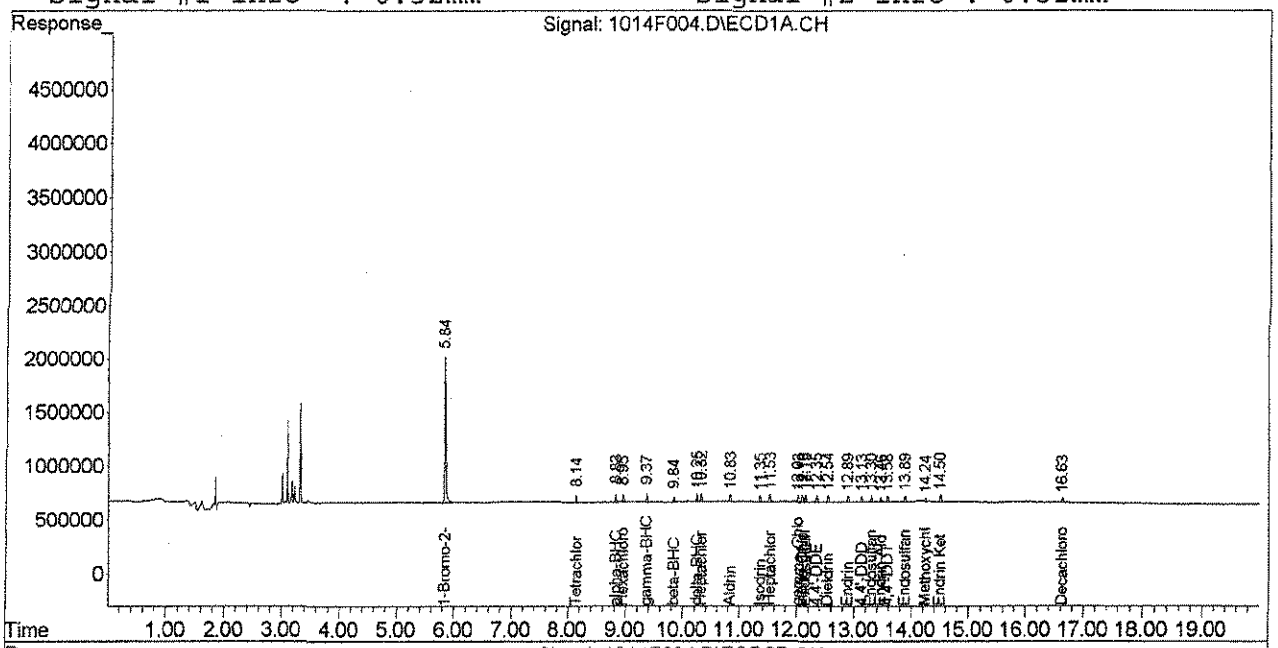
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

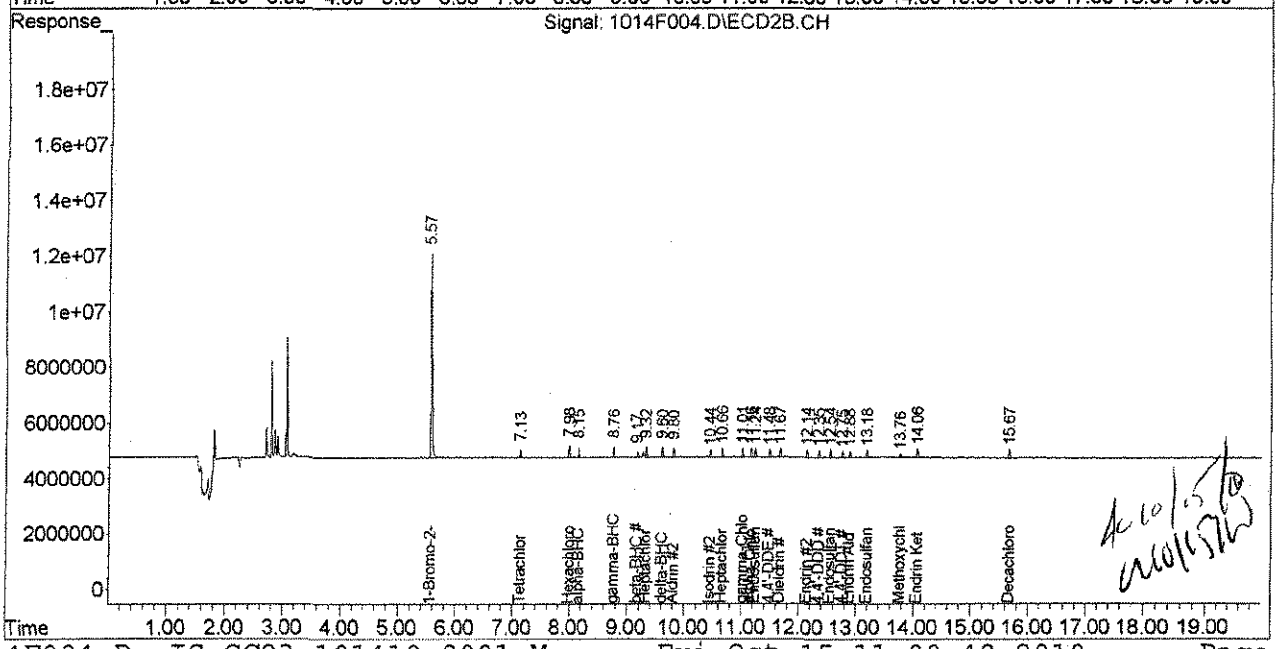
Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:16 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

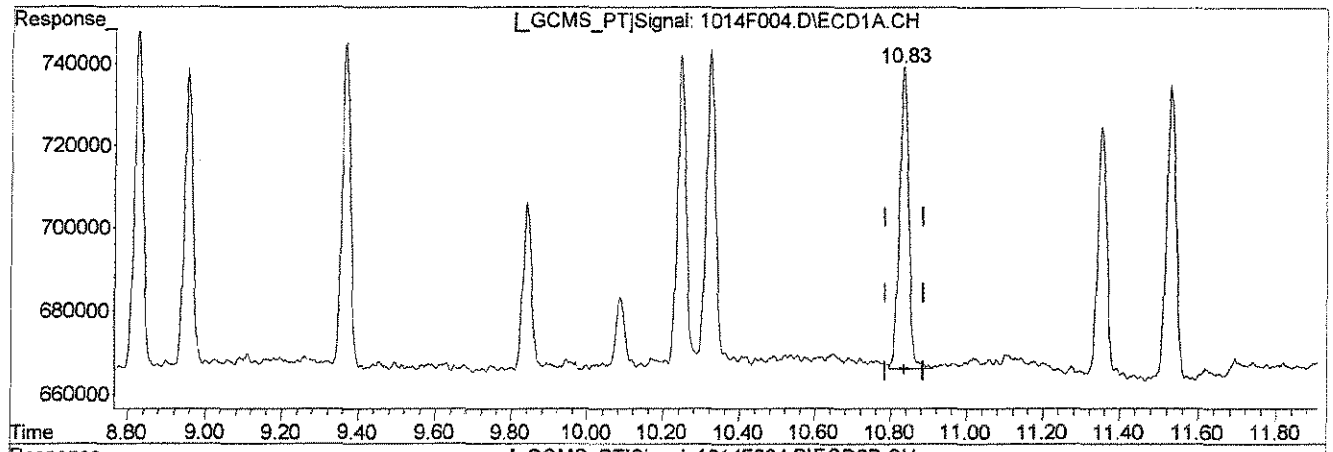


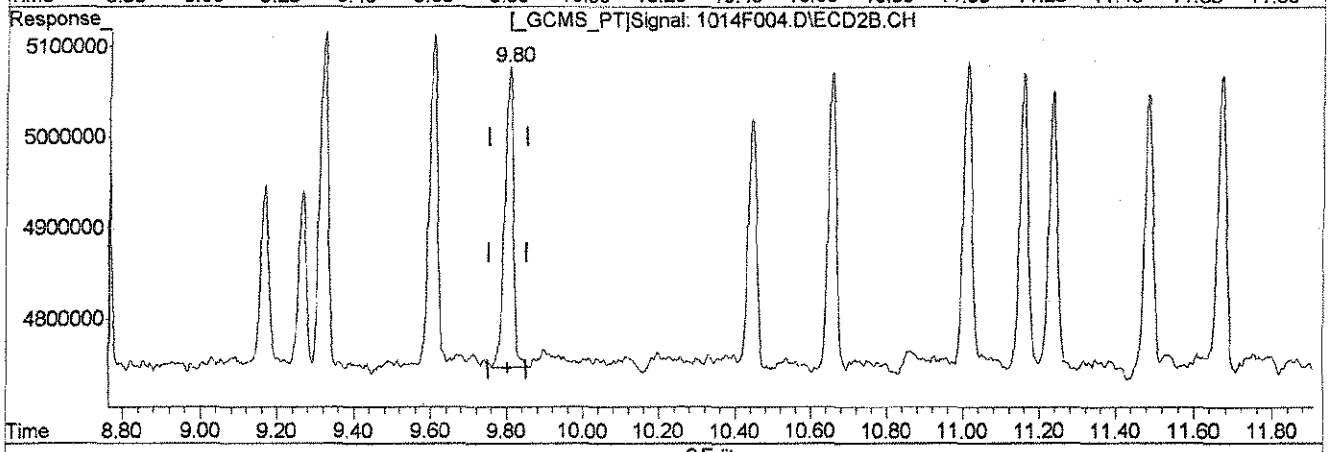


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(9) Aldrin

10.83min 2.555ug/L

response 125174

(9) Aldrin #2

9.80min 2.136ug/L

response 529043

Manual Integration:

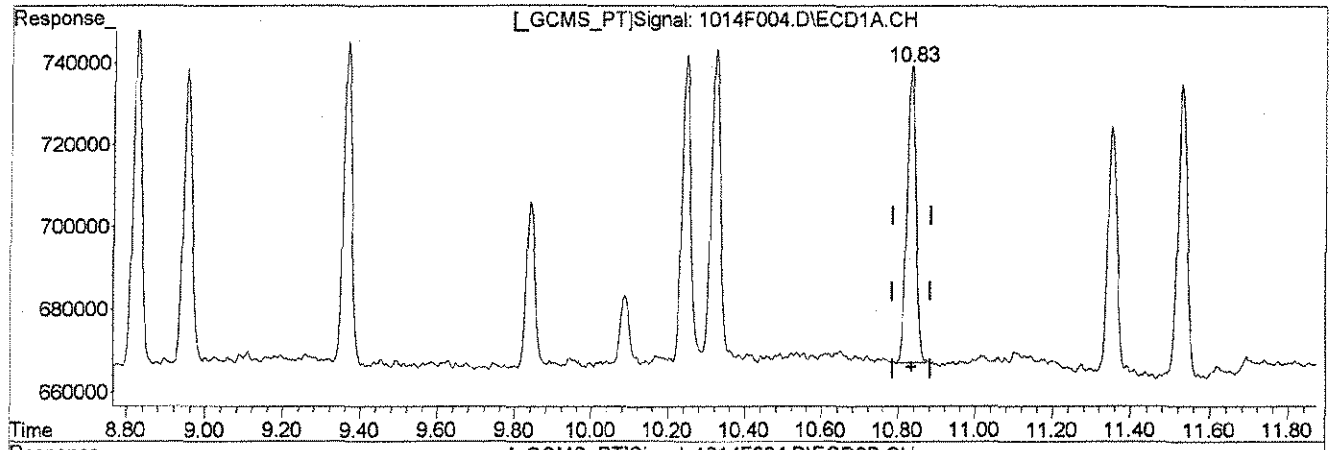
Before

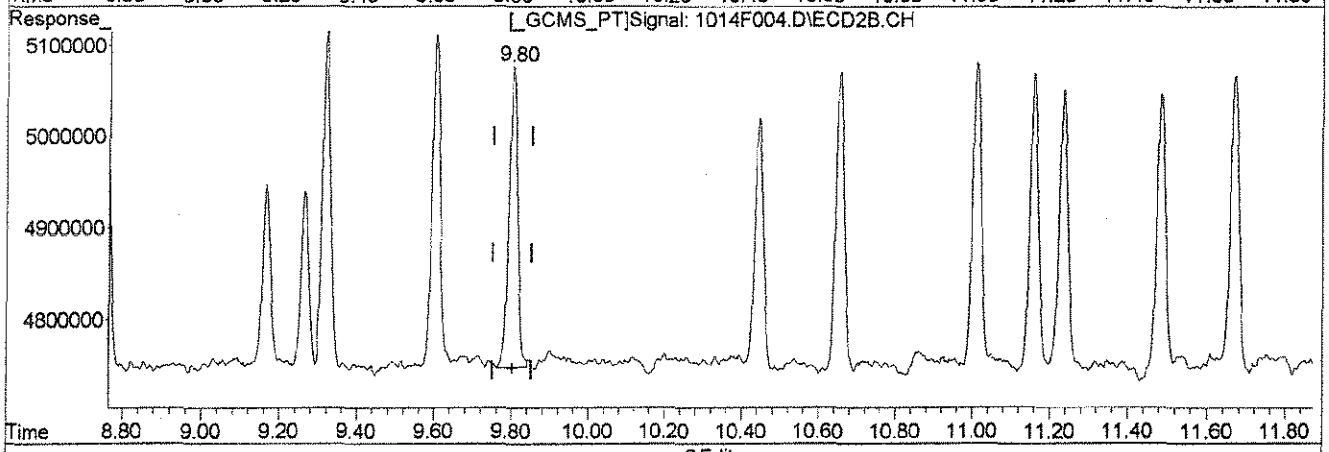
(+) = Expected Retention Time
1014F004.D IS-GC23-101410-8081.M Fri Oct 15 09:59:15 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(9) Aldrin
10.83min 2.439ug/L m
response 119476

(9) Aldrin #2
9.80min 2.113ug/L m
response 523365

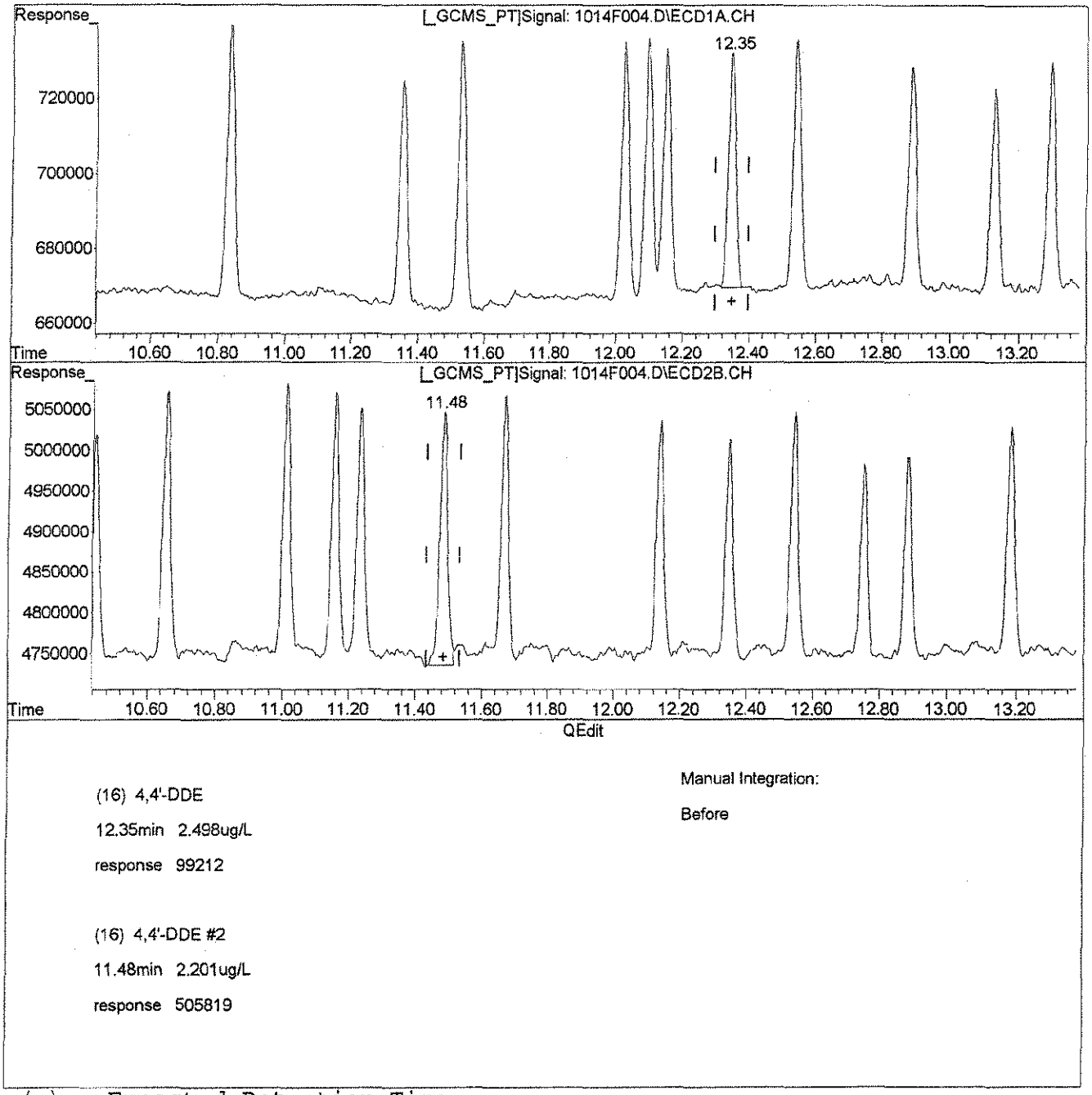
Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F004.D IS-GC23-101410-8081.M Fri Oct 15 09:59:33 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration

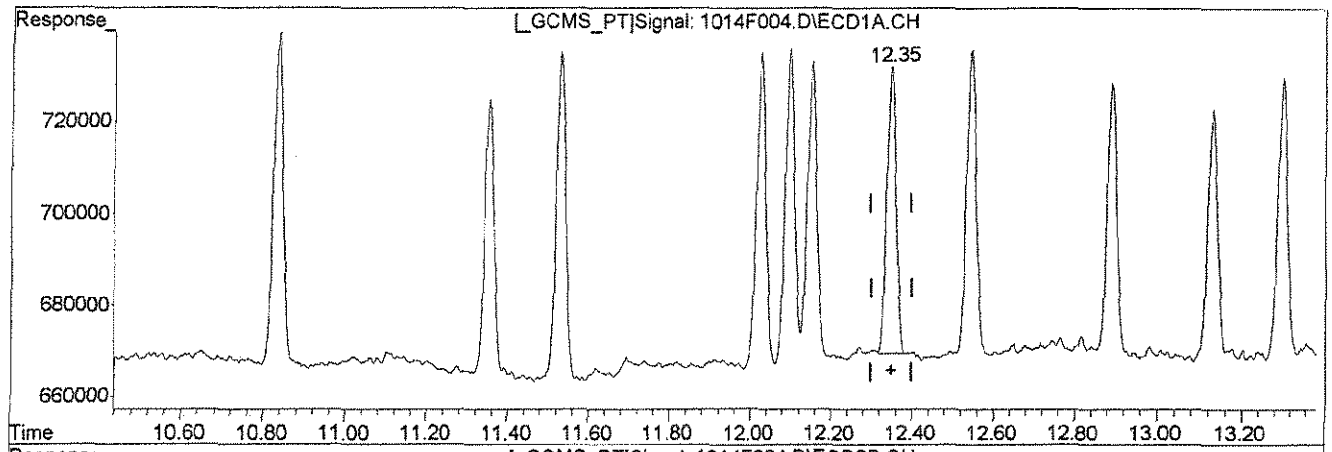


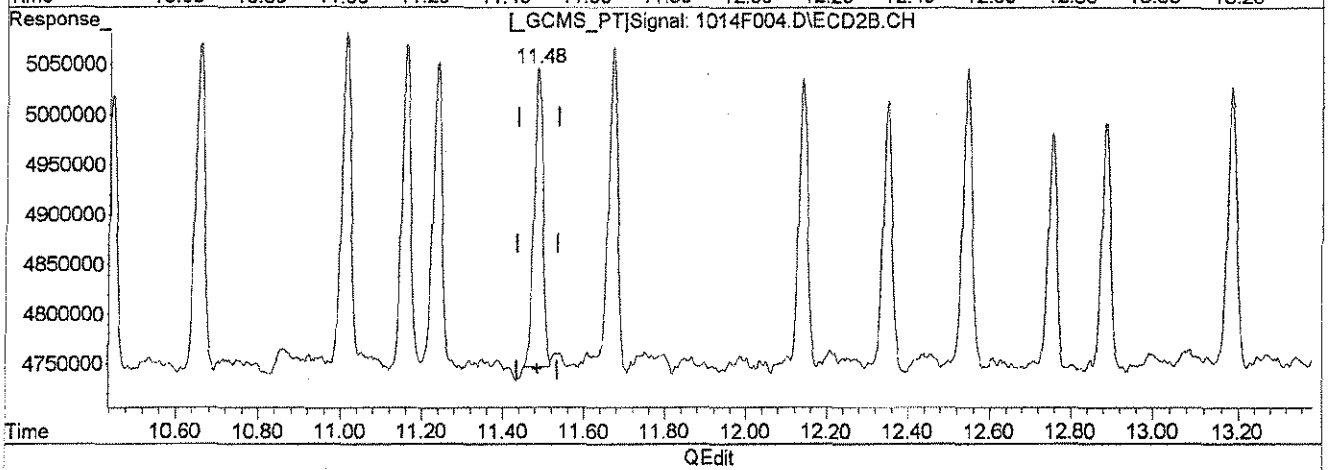
(+) = Expected Retention Time
1014F004.D IS-GC23-101410-8081.M Fri Oct 15 09:59:47 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(16) 4,4'-DDE
12.35min 2.498ug/L
response 99212

(16) 4,4'-DDE #2
11.48min 1.993ug/L m
response 458054

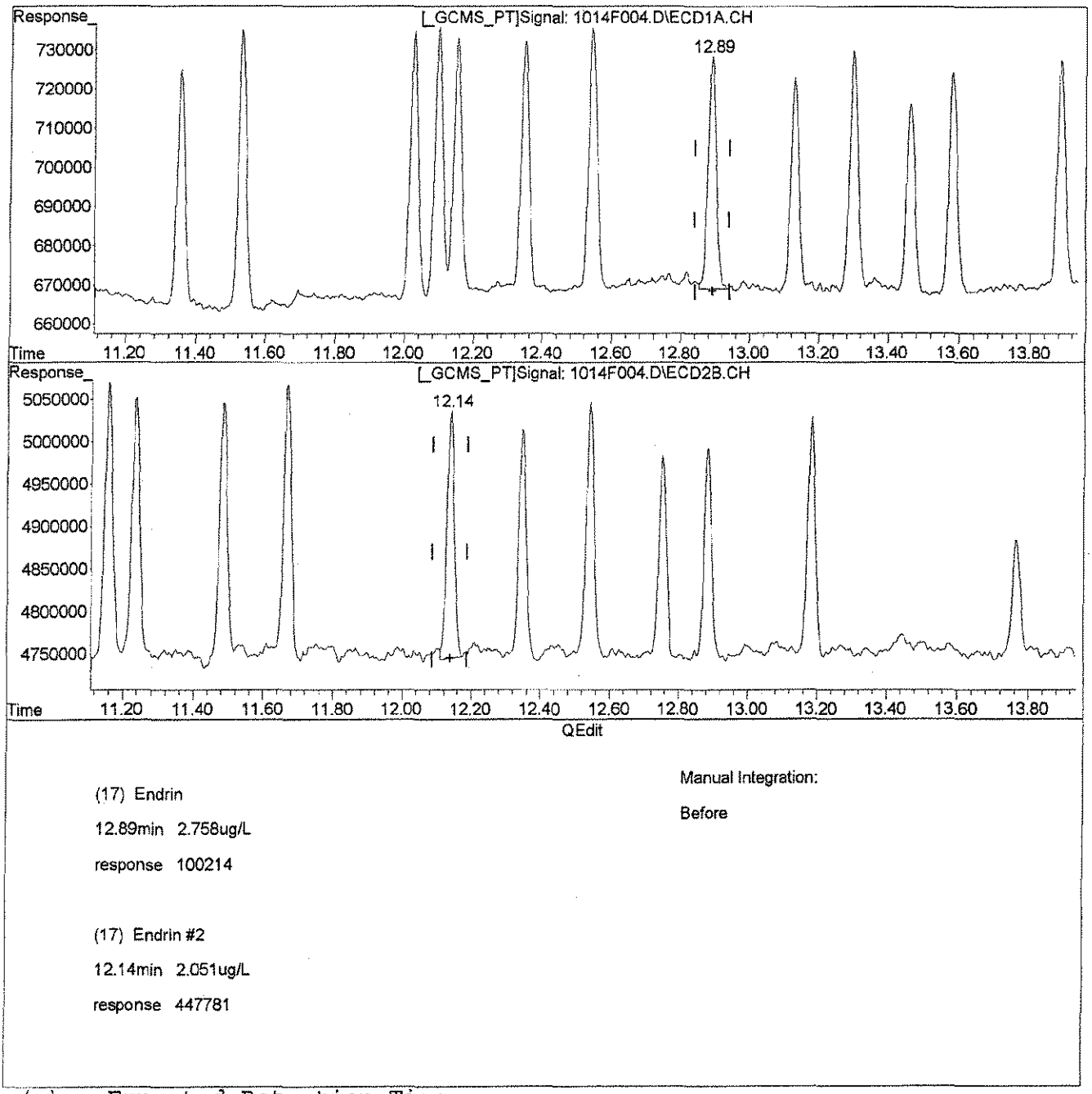
Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F004.D IS-GC23-101410-8081.M Fri Oct 15 09:59:54 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration

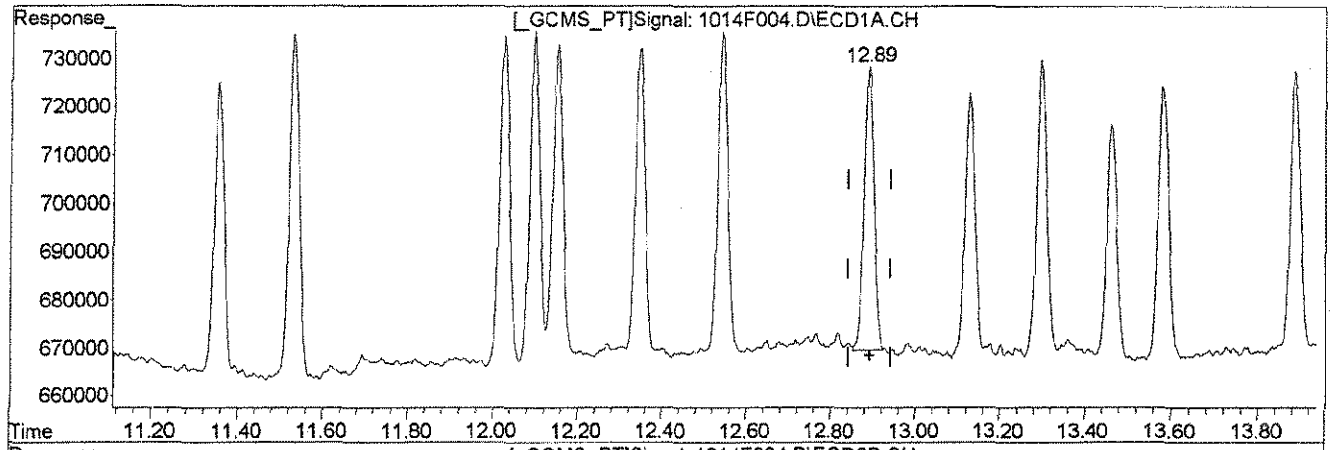


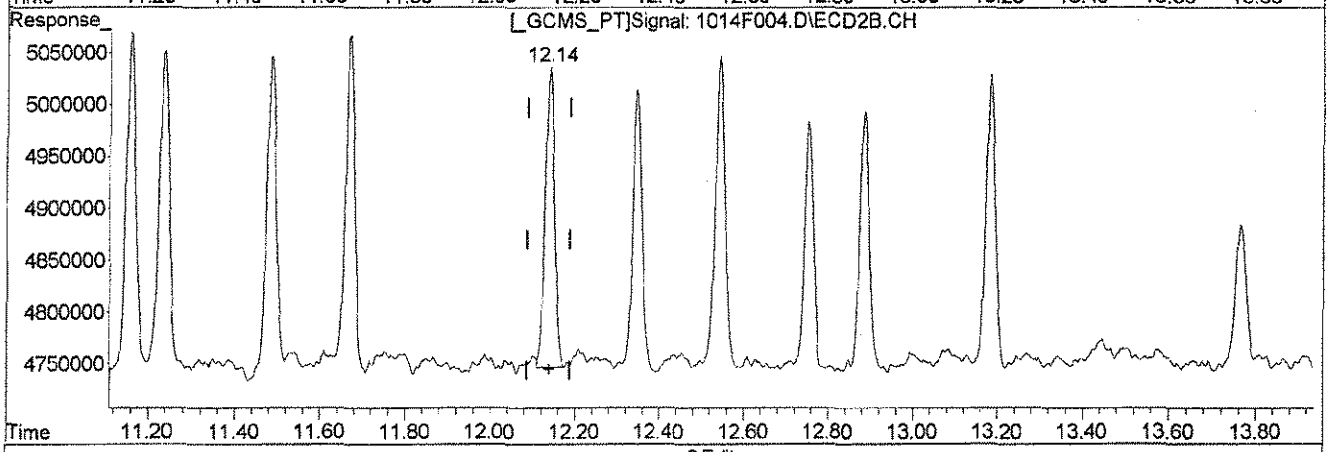
(+) = Expected Retention Time
1014F004.D IS-GC23-101410-8081.M Fri Oct 15 09:59:57 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(17) Endrin
12.89min 2.664ug/L m
response 96800

(17) Endrin #2
12.14min 2.020ug/L m
response 441072

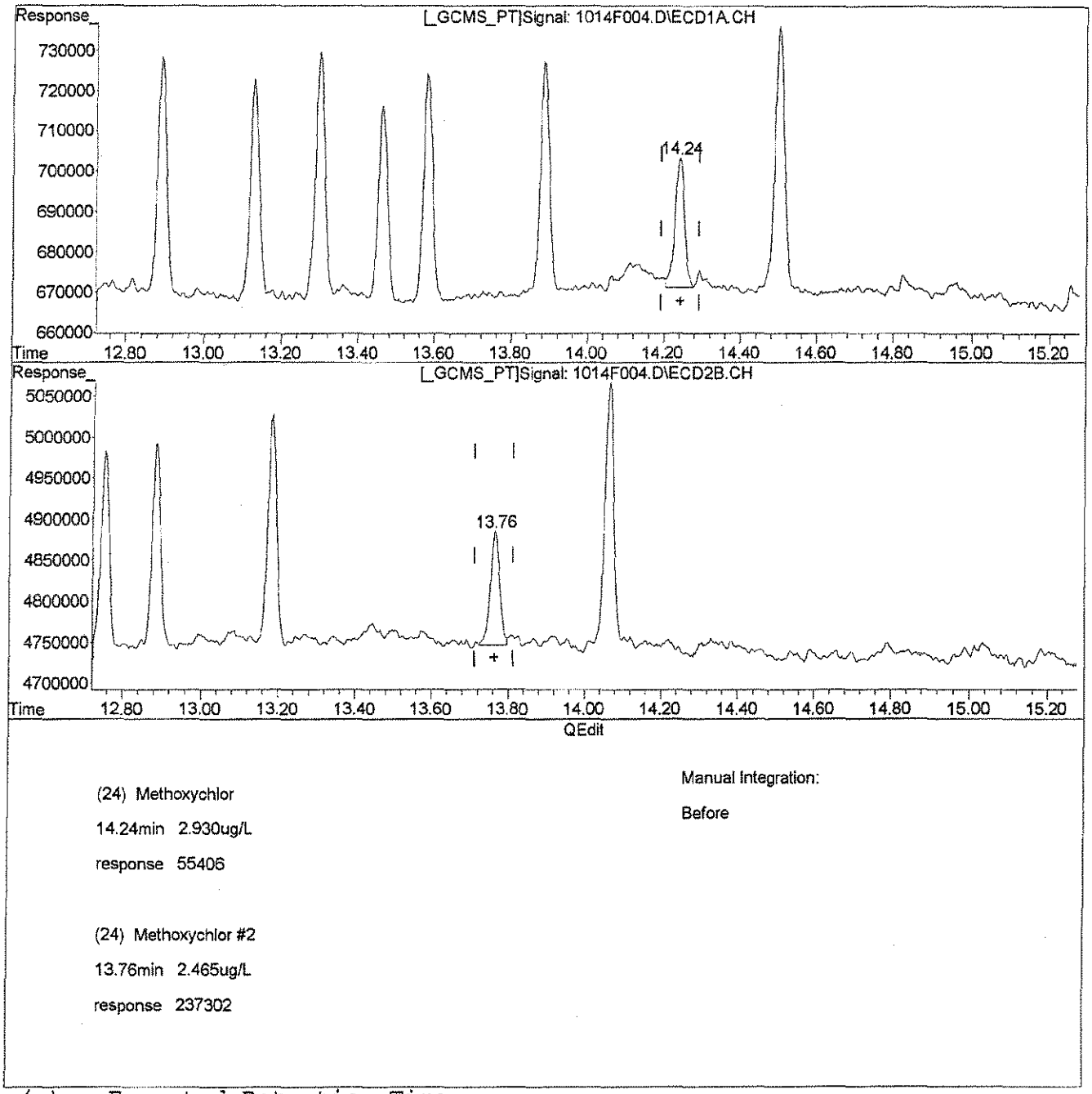
Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F004.D IS-GC23-101410-8081.M Fri Oct 15 10:00:10 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration

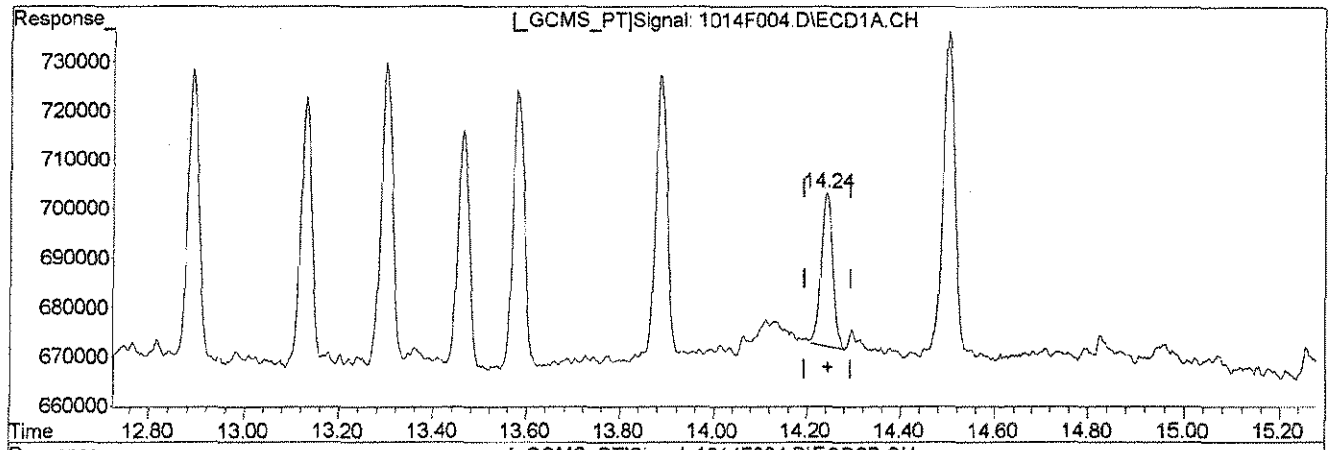


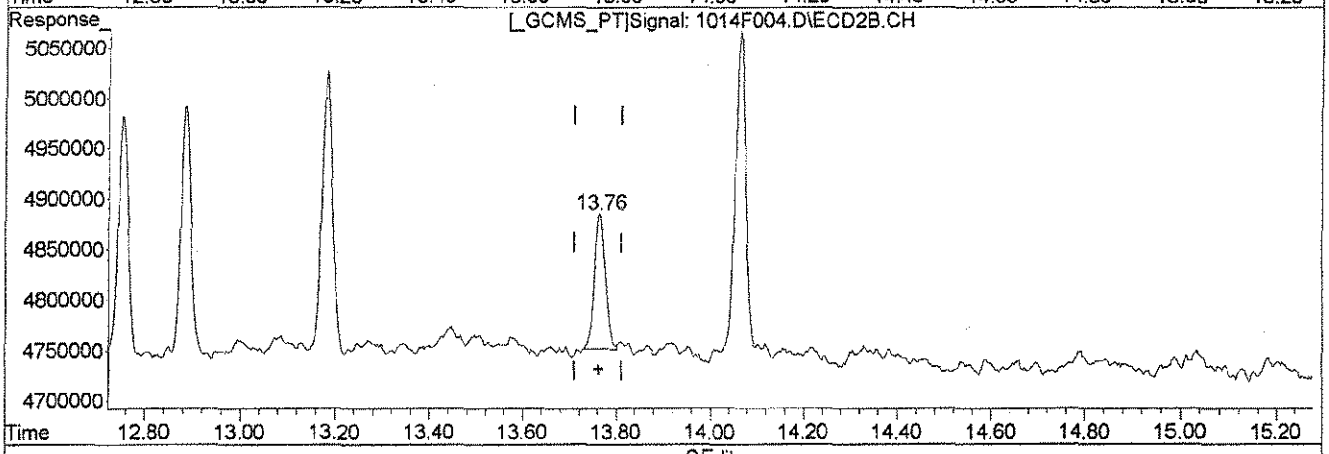
(+) = Expected Retention Time
1014F004.D IS-GC23-101410-8081.M Fri Oct 15 10:00:20 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(24) Methoxychlor
14.24min 2.741ug/L m
response 51828

(24) Methoxychlor #2
13.76min 2.294ug/L m
response 220807

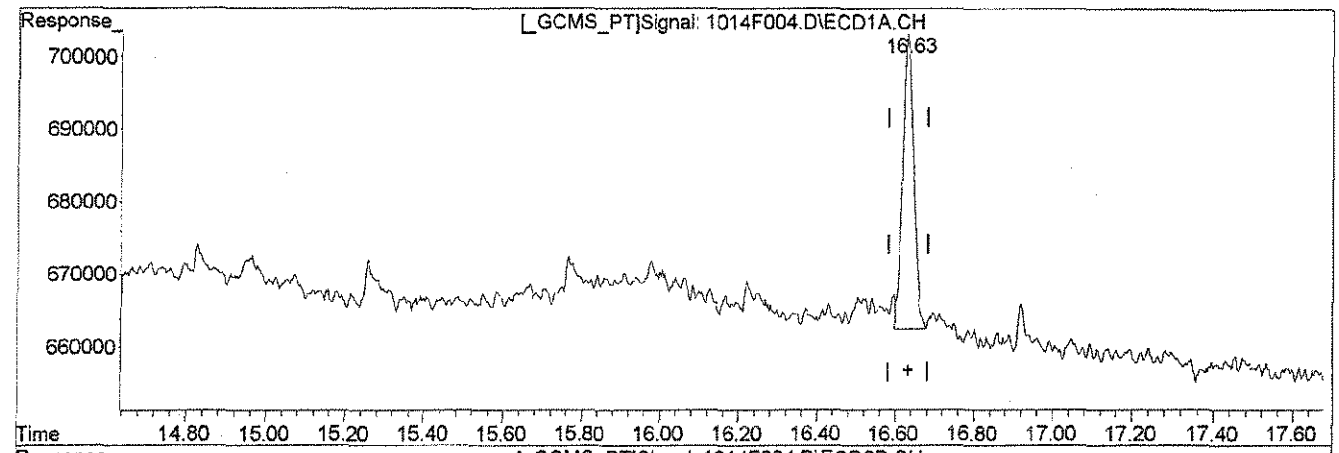
Manual Integration:
After
Baseline/Shoulder
10/15/10

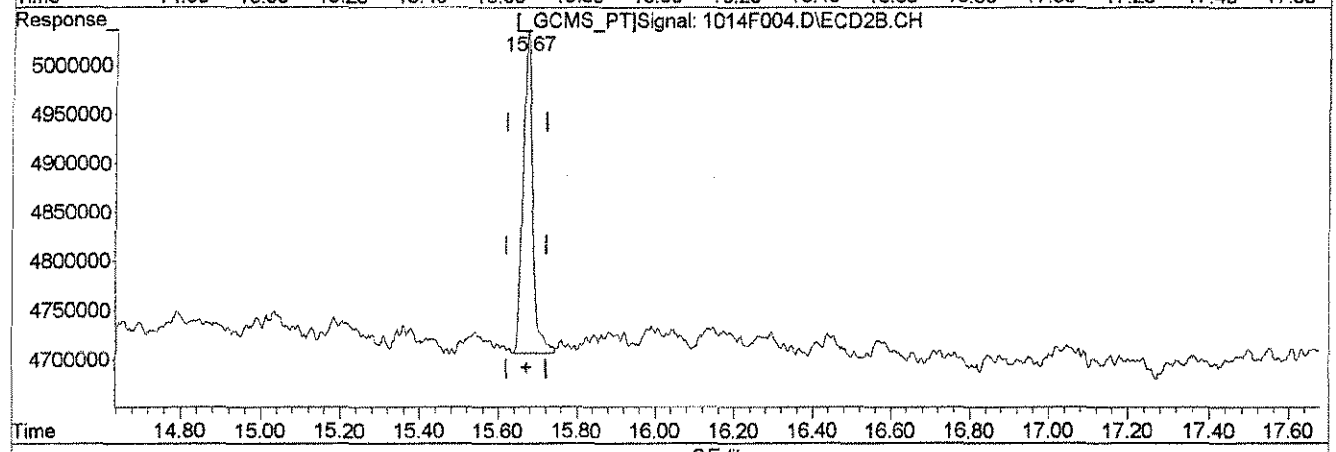
(+) = Expected Retention Time
1014F004.D IS-GC23-101410-8081.M Fri Oct 15 10:00:31 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(25) Decachlorobiphenyl (s)

16.63min 2.570ug/L

response 80677

(25) Decachlorobiphenyl #2 (s)

15.67min 2.838ug/L

response 566019

Manual Integration:

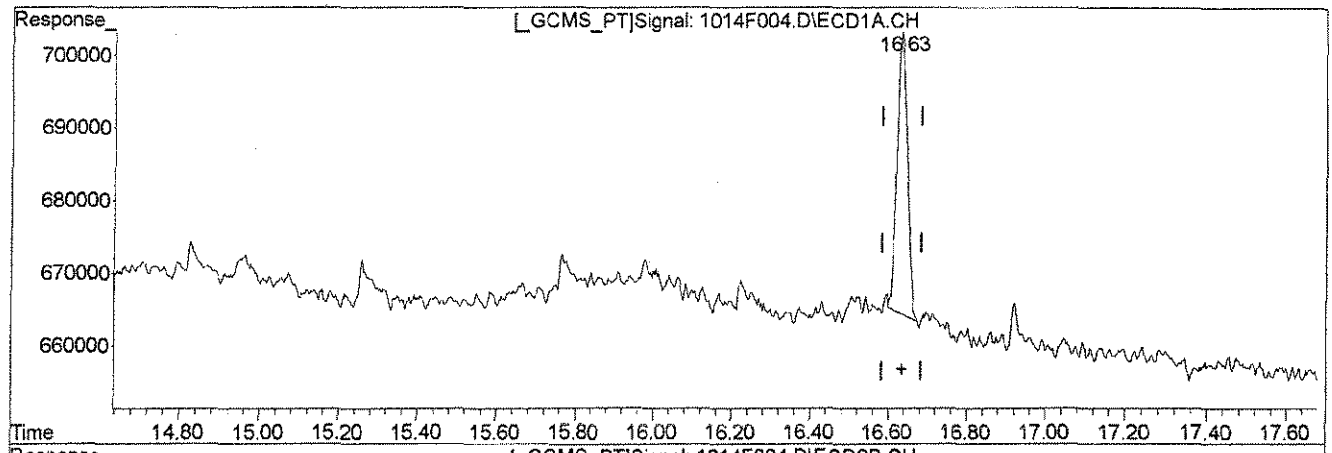
Before

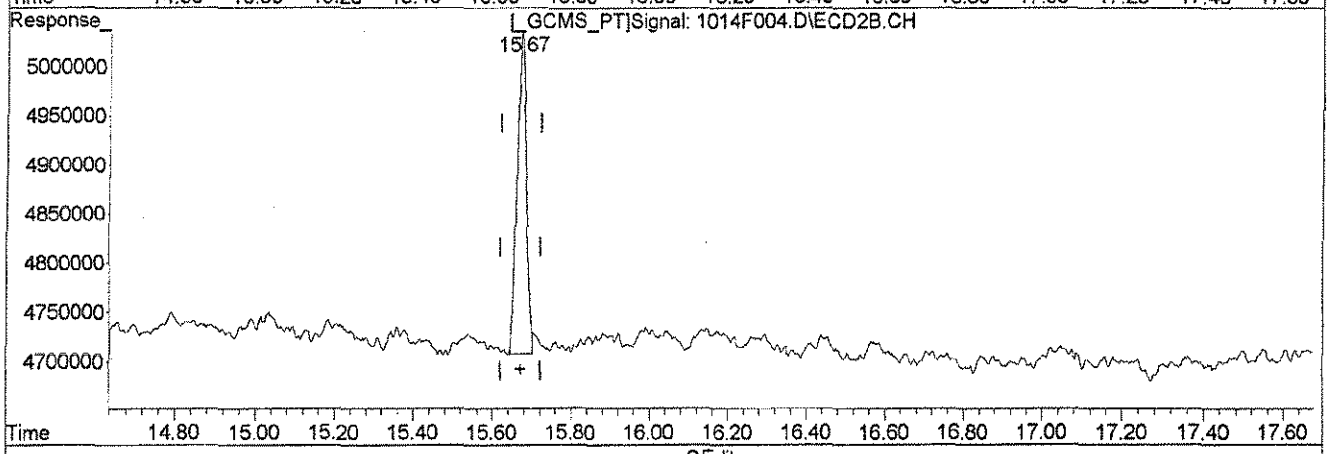
(+) = Expected Retention Time
1014F004.D IS-GC23-101410-8081.M Fri Oct 15 10:16:48 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F004.D\ECD1A.CH Vial: 4
Signal #2 : J:\GC23\DATA\101410\1014F004.D\ECD2B.CH
Acq On : 14 Oct 2010 6:04 pm Operator: CCotnam
Sample : 8081 @ 2ppb GCPS6-71I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(25) Decachlorobiphenyl (s)

16.63min 2.299ug/L m

response 72170

(25) Decachlorobiphenyl #2 (s)

15.67min 2.683ug/L m

response 535023

Manual Integration:

After

Baseline/Shoulder

10/15/10

(+) = Expected Retention Time

1014F004.D IS-GC23-101410-8081.M Fri Oct 15 10:16:58 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F005.D\ECD1A.CH Vial: 5
Signal #2 : J:\GC23\DATA\101410\1014F005.D\ECD2B.CH
Acq On : 14 Oct 2010 6:31 pm Operator: CCotnam
Sample : 8081 @ 5ppb GCPS6-71J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:40 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.84	5.57	2119520	10742769	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.13	7.13	249348	1153802	5.463	5.301
25)	s	Decachlorobiphen	16.63	15.67	198920	1417936	6.058m	6.875
		Target Compounds						
3)		alpha-BHC	8.82	8.15	336363	1573615	5.403	5.099
4)		Hexachlorobenzen	8.95	7.98	298725	1796073	5.473	5.584
5)		beta-BHC	9.84	9.17	171607	802797	6.057	5.608
6)		gamma-BHC (Linda	9.36	8.76	327380	1515515	5.618	5.109
7)		delta-BHC	10.24	9.60	310920	1534706	5.520	5.235
8)		Heptachlor	10.32	9.32	326937	1545820	5.938	5.406
9)		Aldrin	10.83	9.80	315343	1388856	6.155	5.423
10)		Isodrin	11.35	10.45	273595	1191991	6.715	5.429
11)		Heptachlor Epoxi	11.53	10.66	306834	1408576	6.474	5.447
12)		gamma-Chlordane	12.02	11.01	300955	1418516	6.648	5.500
13)		Endosulfan I	12.15	11.24	278970	1334259	6.637	5.608
14)		alpha-Chlordane	12.09	11.16	306436	1399013	6.787	5.613
15)		Dieldrin	12.54	11.67	303634	1356240	6.877	5.299
16)		4,4'-DDE	12.35	11.49	277513	1312389	6.680	5.521
17)		Endrin	12.89	12.14	270351	1220314	7.114	5.404
18)		Endosulfan II	13.30	12.54	275052	1304407	6.996	5.644
19)		4,4'-DDD	13.13	12.35	247883	1072667	7.056	5.145 #
20)		Endrin Aldehyde	13.46	12.89	227852	1110740	6.996	5.819
21)		Endosulfan Sulfa	13.89	13.19	259591	1248661	7.020	5.745
22)		4,4'-DDT	13.58	12.75	249640	1006139	7.407m	5.358m#
23)		Endrin Ketone	14.50	14.06	306113	1412480	6.944m	5.918m
24)		Methoxychlor	14.24	13.76	136865	624241	6.920	6.271

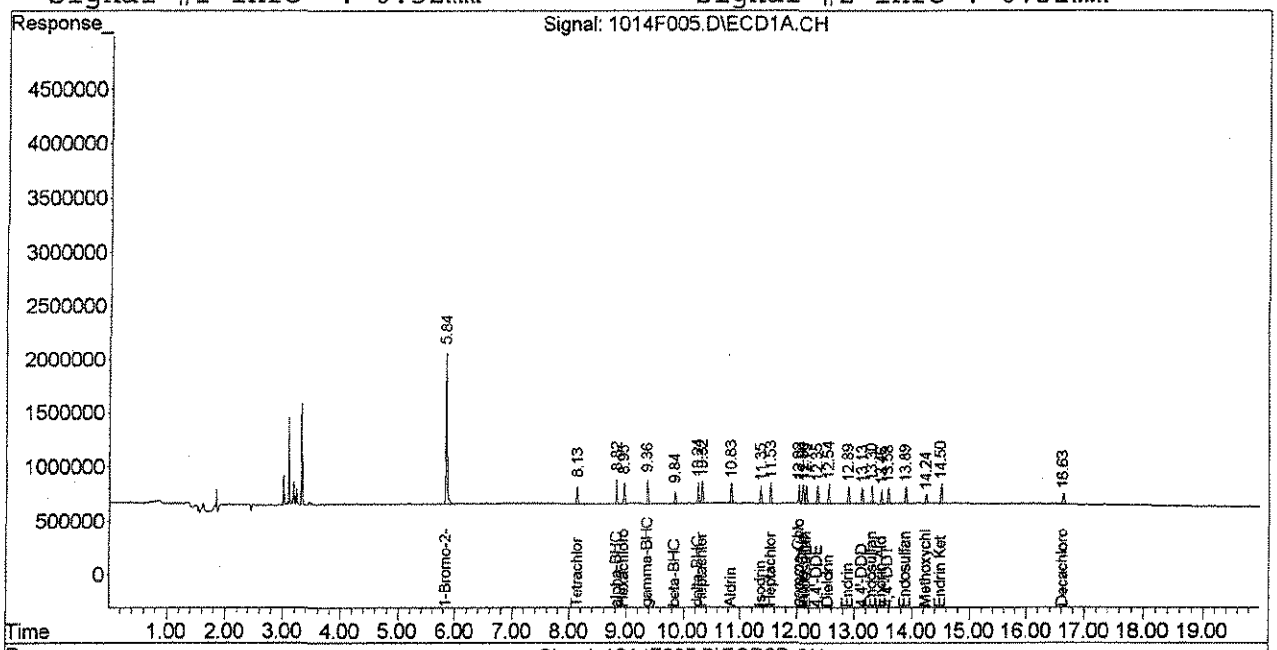
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

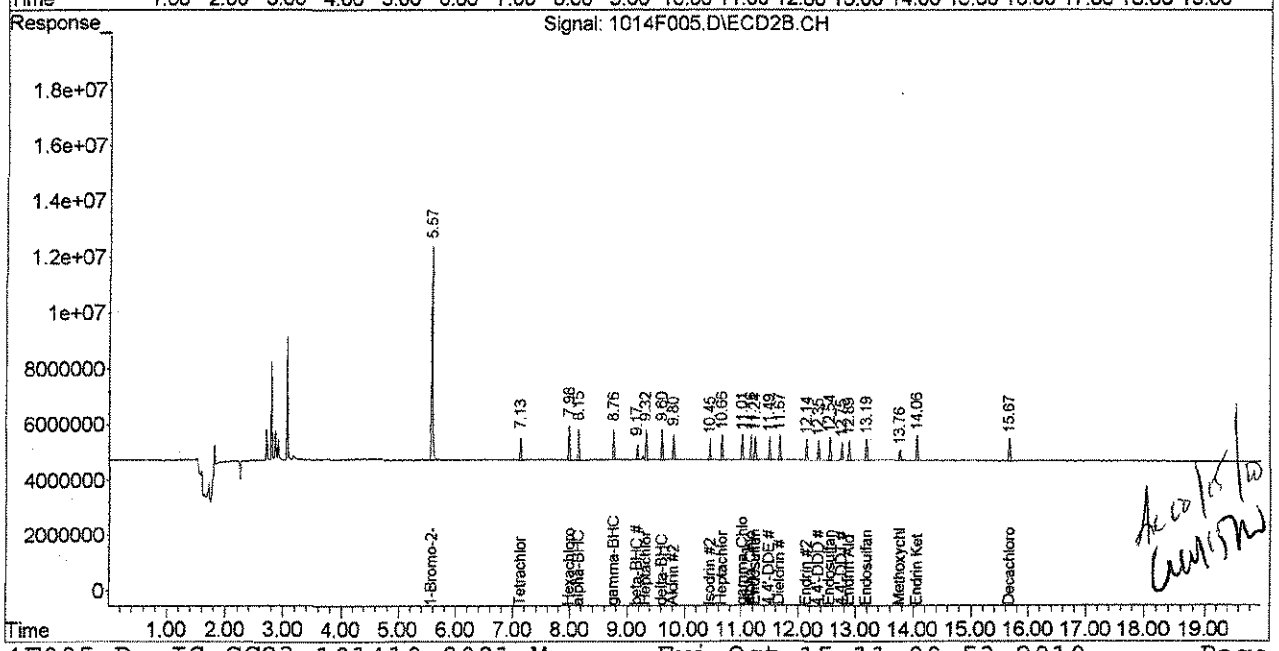
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F005.D\ECD1A.CH Vial: 5
Signal #2 : J:\GC23\DATA\101410\1014F005.D\ECD2B.CH
Acq On : 14 Oct 2010 6:31 pm Operator: CCotnam
Sample : 8081 @ 5ppb GCPS6-71J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:18 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



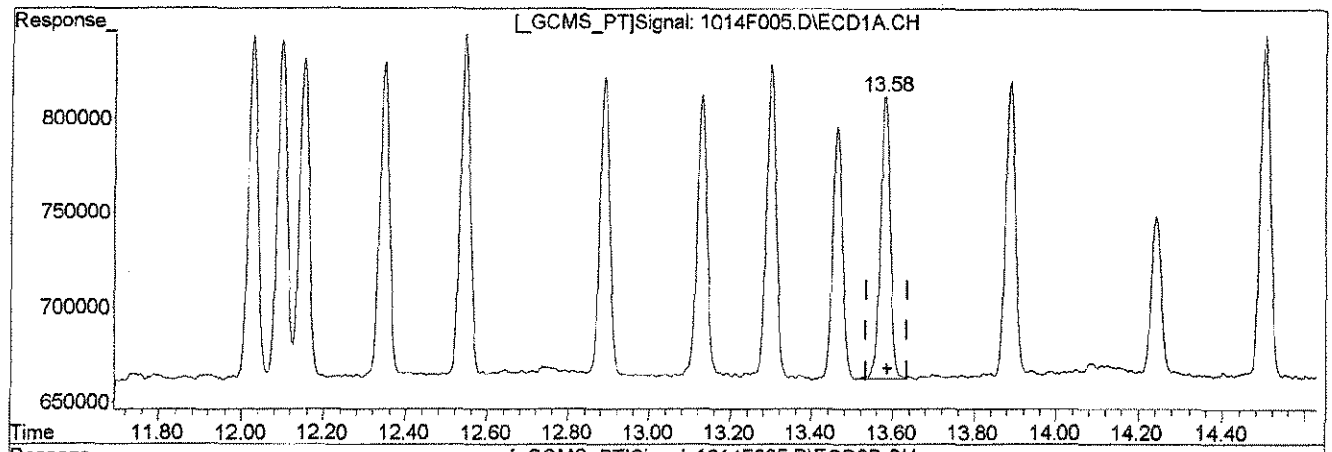


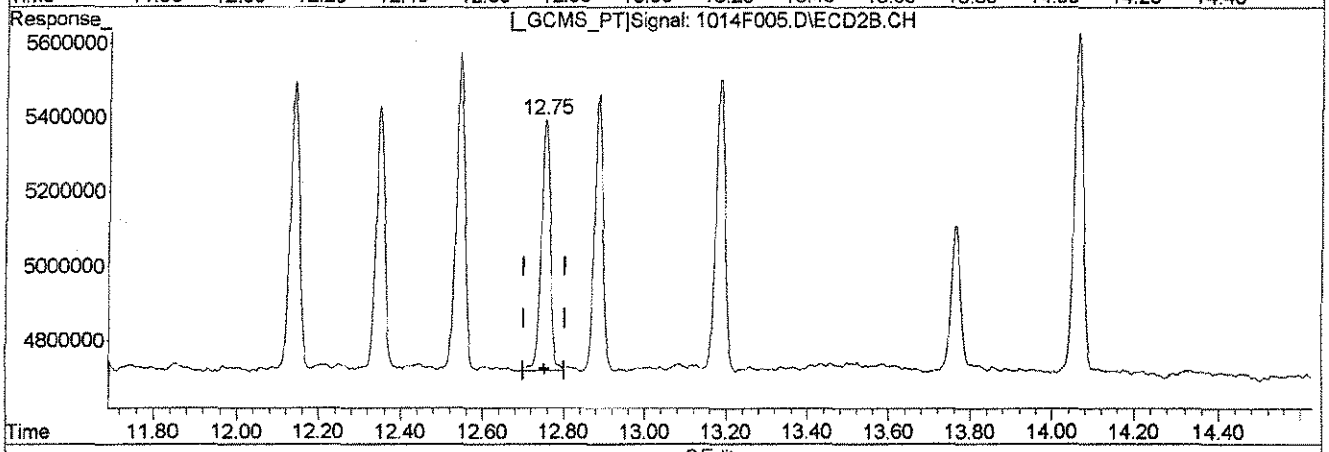
Acceptable
CMT

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F005.D\ECD1A.CH Vial: 5
Signal #2 : J:\GC23\DATA\101410\1014F005.D\ECD2B.CH
Acq On : 14 Oct 2010 6:31 pm Operator: CCotnam
Sample : 8081 @ 5ppb GCPS6-71J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(22) 4,4'-DDT
13.58min 7.562ug/L
response 254883

(22) 4,4'-DDT #2
12.75min 5.653ug/L
response 1061645

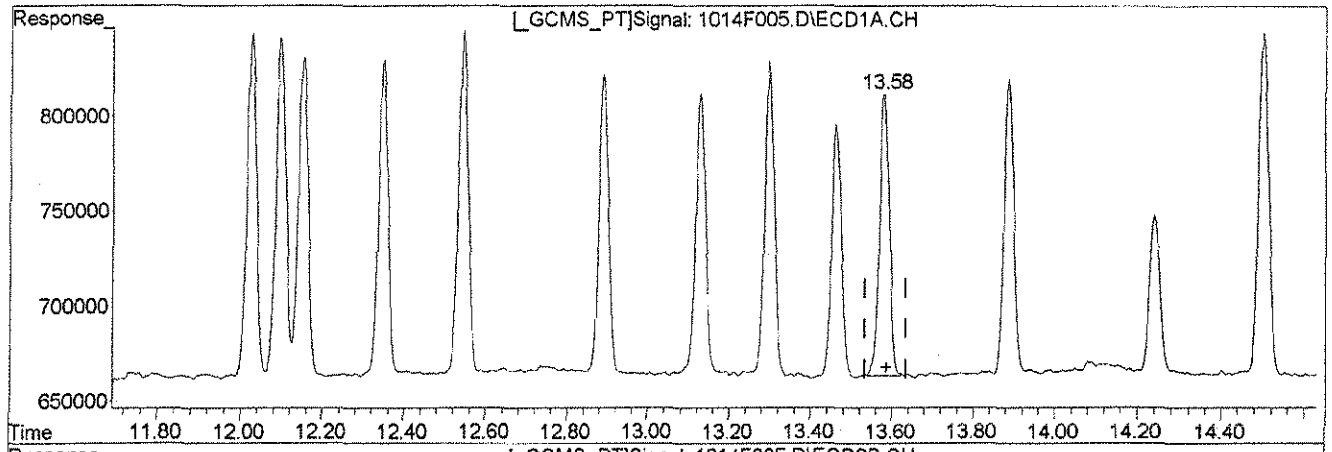
Manual Integration:
Before

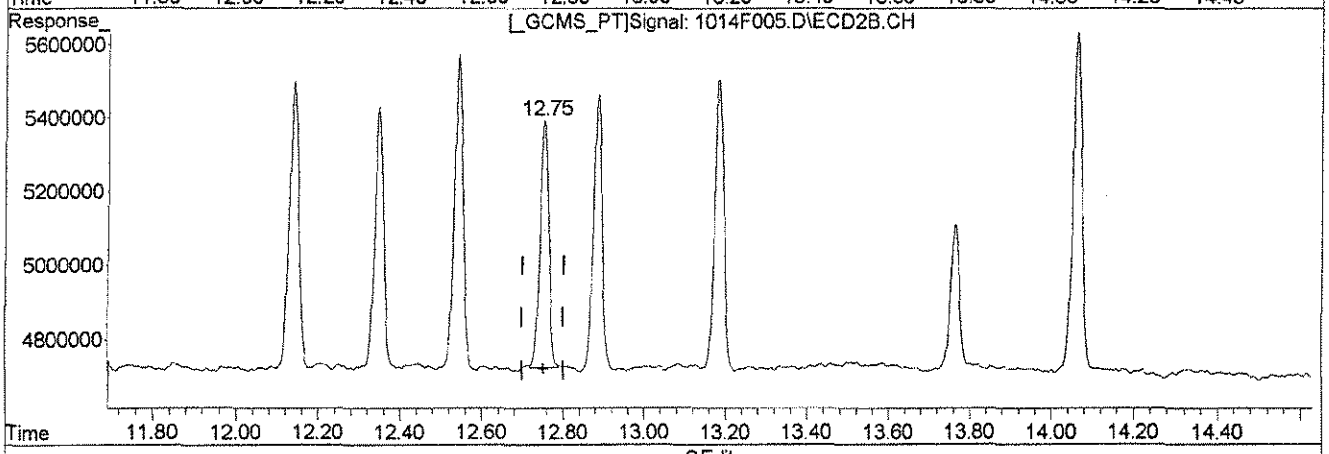
(+) = Expected Retention Time
1014F005.D IS-GC23-101410-8081.M Fri Oct 15 10:17:50 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F005.D\ECD1A.CH Vial: 5
Signal #2 : J:\GC23\DATA\101410\1014F005.D\ECD2B.CH
Acq On : 14 Oct 2010 6:31 pm Operator: CCotnam
Sample : 8081 @ 5ppb GCPS6-71J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(22) 4,4'-DDT
13.58min 7.407ug/L m
response 249640

(22) 4,4'-DDT #2
12.75min 5.358ug/L m
response 1006139

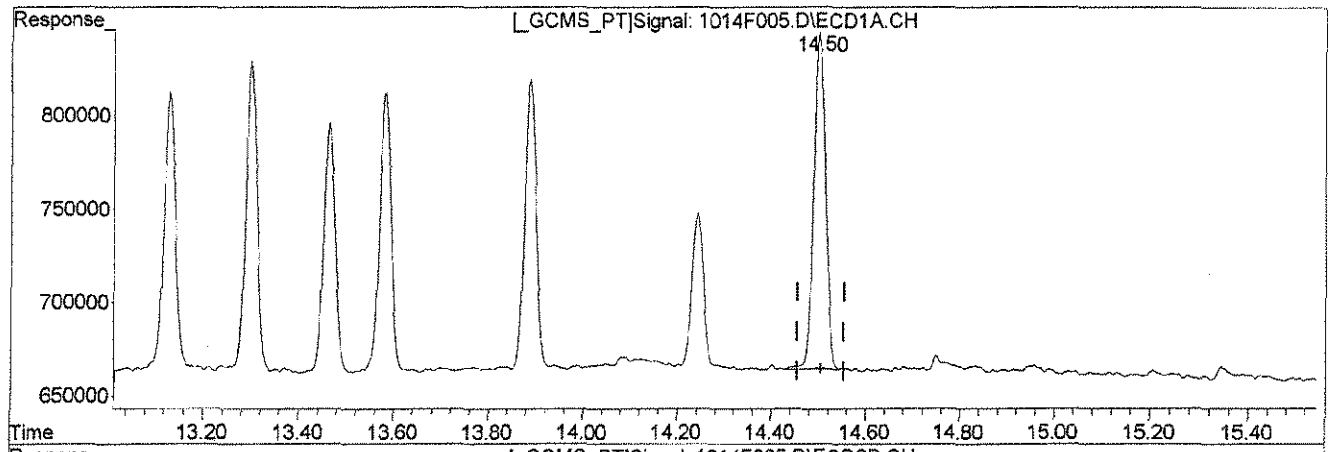
Manual Integration:
After
Baseline/Shoulder
10/15/10

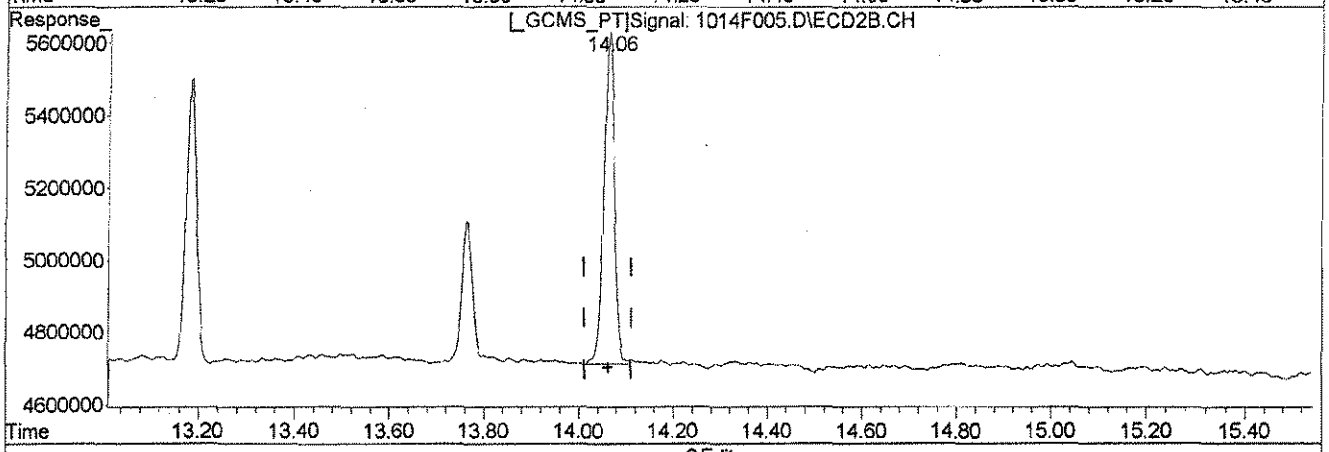
(+) = Expected Retention Time
1014F005.D IS-GC23-101410-8081.M Fri Oct 15 10:18:08 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F005.D\ECD1A.CH Vial: 5
Signal #2 : J:\GC23\DATA\101410\1014F005.D\ECD2B.CH
Acq On : 14 Oct 2010 6:31 pm Operator: CCotnam
Sample : 8081 @ 5ppb GCPS6-71J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(23) Endrin Ketone
14.50min 7.007ug/L
response 308879

(23) Endrin Ketone #2
14.06min 6.071ug/L
response 1448889

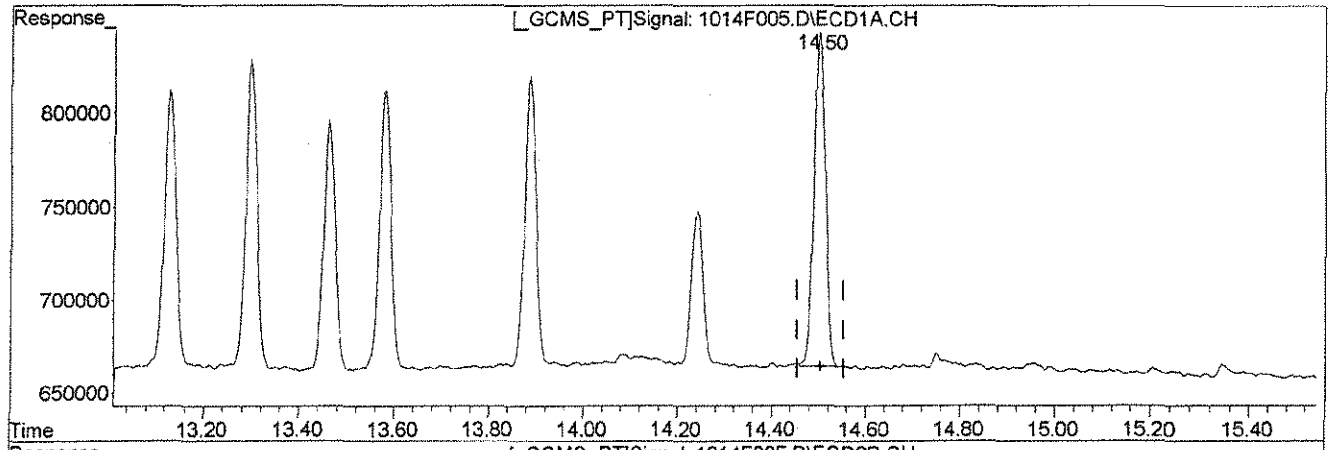
Manual Integration:
Before

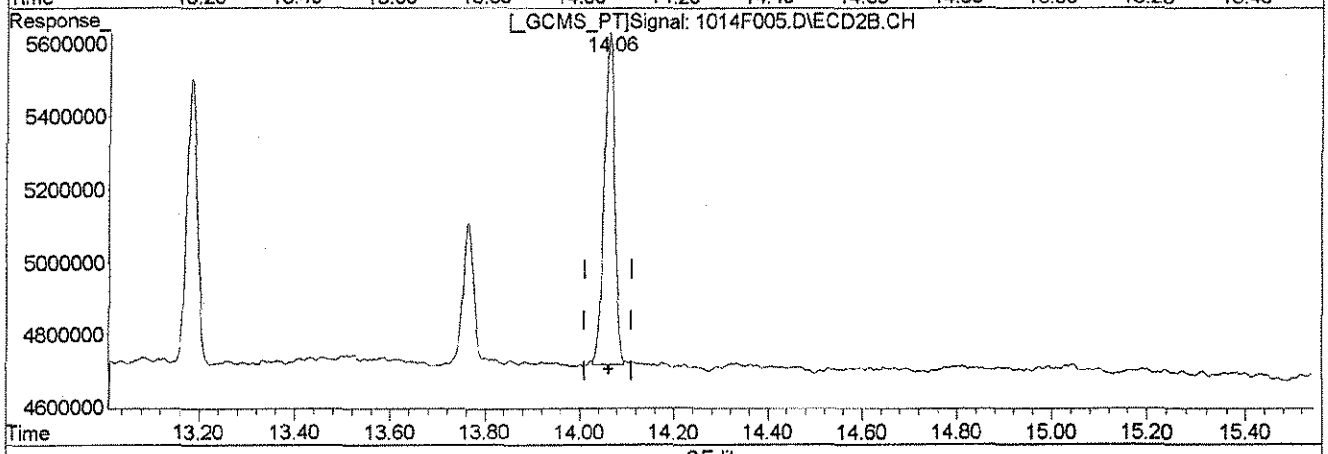
(+) = Expected Retention Time
1014F005.D IS-GC23-101410-8081.M Fri Oct 15 10:18:12 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F005.D\ECD1A.CH Vial: 5
Signal #2 : J:\GC23\DATA\101410\1014F005.D\ECD2B.CH
Acq On : 14 Oct 2010 6:31 pm Operator: CCotnam
Sample : 8081 @ 5ppb GCPS6-71J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(23) Endrin Ketone
14.50min 6.944ug/L m
response 306113

(23) Endrin Ketone #2
14.06min 5.918ug/L m
response 1412480

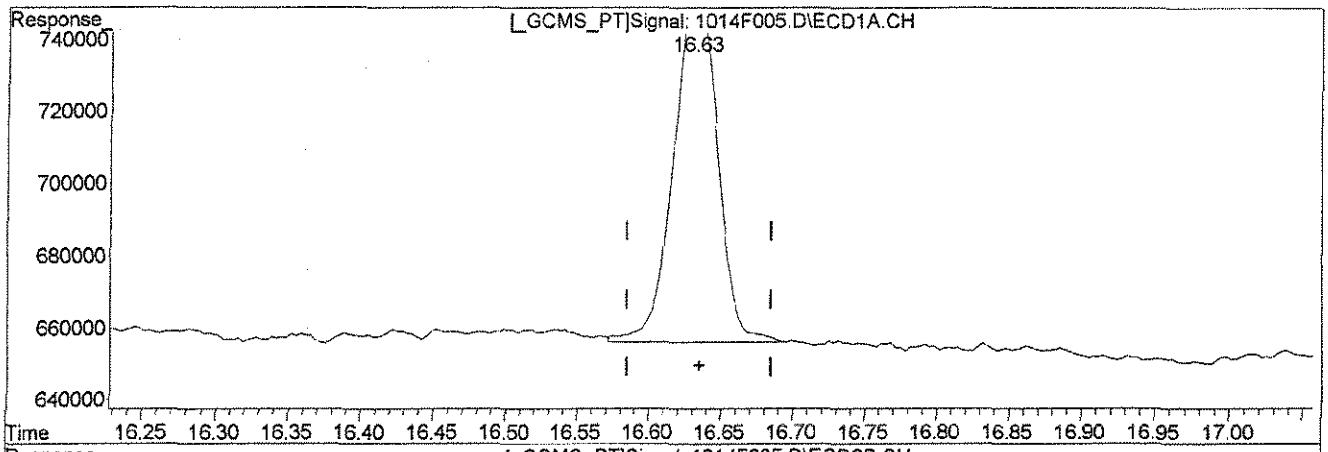
Manual Integration:
After
Baseline/Shoulder
10/15/10

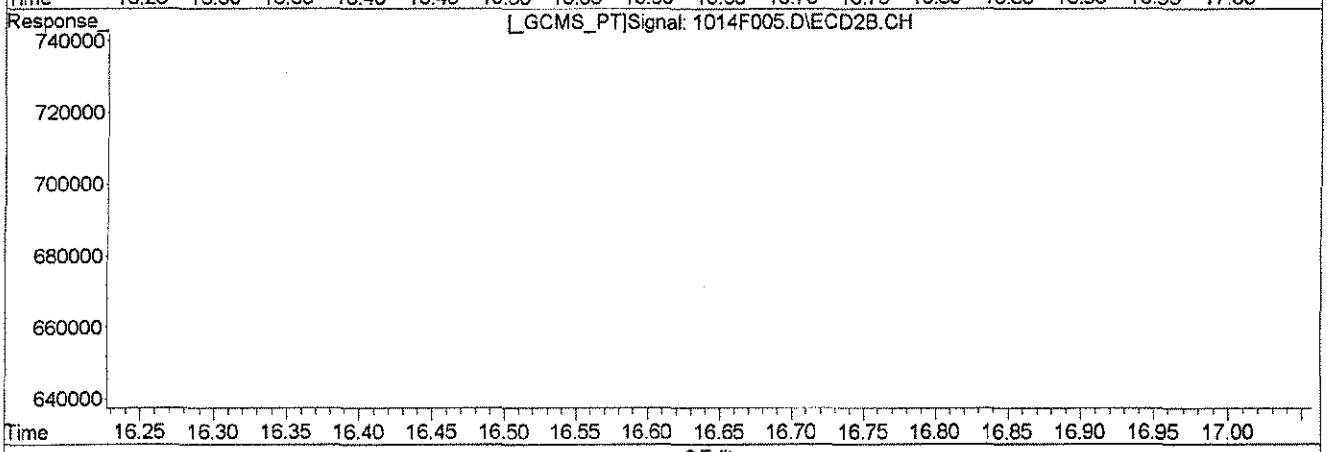
(+) = Expected Retention Time
1014F005.D IS-GC23-101410-8081.M Fri Oct 15 10:18:27 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F005.D\ECD1A.CH Vial: 5
Signal #2 : J:\GC23\DATA\101410\1014F005.D\ECD2B.CH
Acq On : 14 Oct 2010 6:31 pm Operator: CCotnam
Sample : 8081 @ 5ppb GCPS6-71J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(25) Decachlorobiphenyl (s)

16.63min 6.334ug/L

response 207956

(25) Decachlorobiphenyl #2 (s)

15.67min 6.875ug/L

response 1417936

Manual Integration:

Before

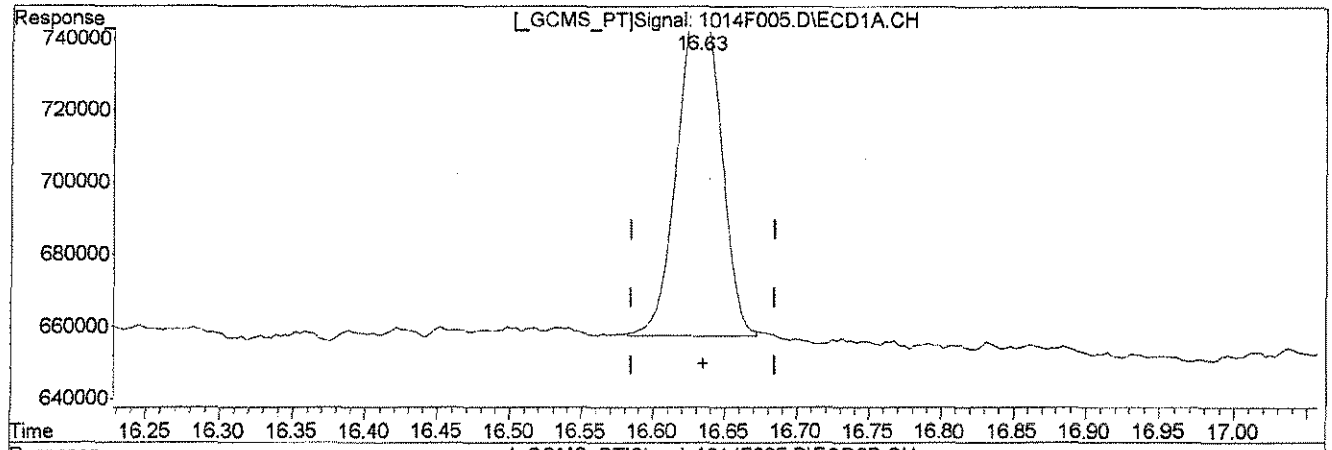
(+) = Expected Retention Time

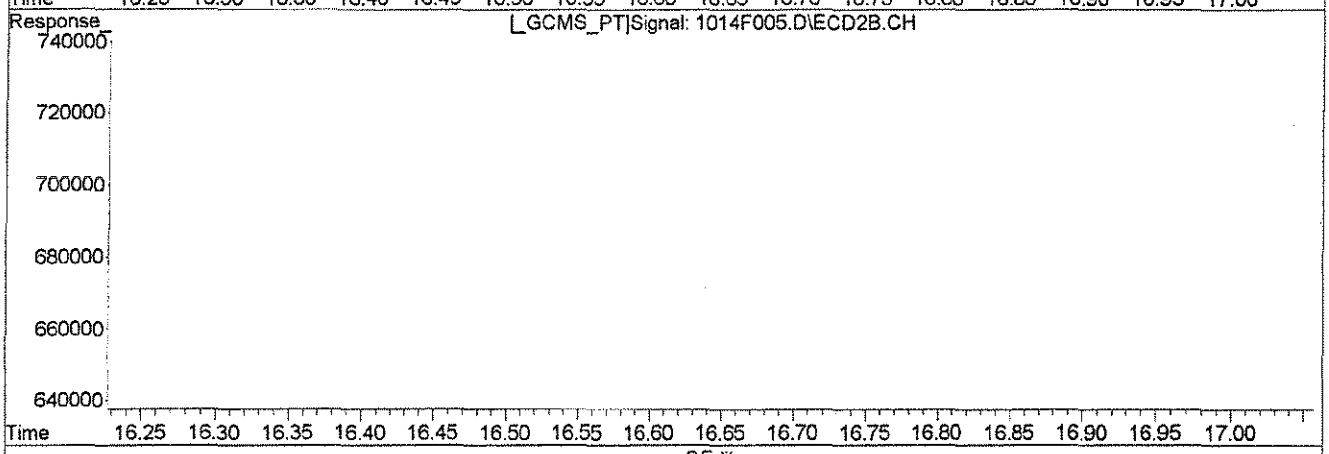
1014F005.D IS-GC23-101410-8081.M Fri Oct 15 10:18:33 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F005.D\ECD1A.CH Vial: 5
Signal #2 : J:\GC23\DATA\101410\1014F005.D\ECD2B.CH
Acq On : 14 Oct 2010 6:31 pm Operator: CCotnam
Sample : 8081 @ 5ppb GCPS6-71J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(25) Decachlorobiphenyl (s)
16.63min 6.058ug/L m
response 198920

(25) Decachlorobiphenyl #2 (s)
15.67min 6.875ug/L
response 1417936

Manual Integration:
After
Baseline/Shoulder
10/15/10
AC 10/15/10

(+) = Expected Retention Time
1014F005.D IS-GC23-101410-8081.M Fri Oct 15 10:18:38 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F006.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\101410\1014F006.D\ECD2B.CH
Acq On : 14 Oct 2010 6:57 pm Operator: CCotnam
Sample : 8081 @ 20ppb GCPS6-71K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:41 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.83	5.56	2062896	10542009	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.13	7.12	943832	4564715	21.247	21.372
25)	s	Decachlorobiphen	16.63	15.66	796341	5232655	24.920	25.853
		Target Compounds						
3)		alpha-BHC	8.82	8.14	1351791	6494953	22.311	21.448
4)		Hexachlorobenzen	8.95	7.98	1106799	6839036	20.835	21.667
5)		beta-BHC	9.83	9.16	623661	3098559	22.618	22.058
6)		gamma-BHC (Linda	9.36	8.75	1280776	6312580	22.583	21.686
7)		delta-BHC	10.24	9.60	1249527	6230958	22.794	21.661
8)		Heptachlor	10.32	9.31	1271179	6204996	23.721	22.114
9)		Aldrin	10.83	9.80	1214729	5604279	24.361	22.298
10)		Isodrin	11.35	10.44	1009760	4838840	25.465	22.460
11)		Heptachlor Epoxi	11.53	10.65	1167363	5597689	25.307	22.059
12)		gamma-Chlordane	12.02	11.01	1142361	5723119	25.928	22.612
13)		Endosulfan I	12.15	11.23	1061319	5190350	25.942	22.231
14)		alpha-Chlordane	12.09	11.16	1144127	5485209	26.036	22.426
15)		Dieldrin	12.54	11.66	1164096	5541354	27.090	22.063
16)		4,4'-DDE	12.34	11.48	1057097	5066653	26.143	21.721m
17)		Endrin	12.89	12.14	1028626	5055024	27.810	22.813
18)		Endosulfan II	13.29	12.54	1052031	5116305	27.493	22.560
19)		4,4'-DDD	13.12	12.34	923436	4337984	27.006	21.205
20)		Endrin Aldehyde	13.46	12.88	857007	4416807	27.037	23.580
21)		Endosulfan Sulfa	13.88	13.18	981001	4952546	27.257	23.219
22)		4,4'-DDT	13.58	12.75	964430	4406352	29.399	23.912m
23)		Endrin Ketone	14.50	14.06	1187269	5734748	27.672m	24.487
24)		Methoxychlor	14.24	13.76	538750	2472187	27.986m	25.307

10/18/10

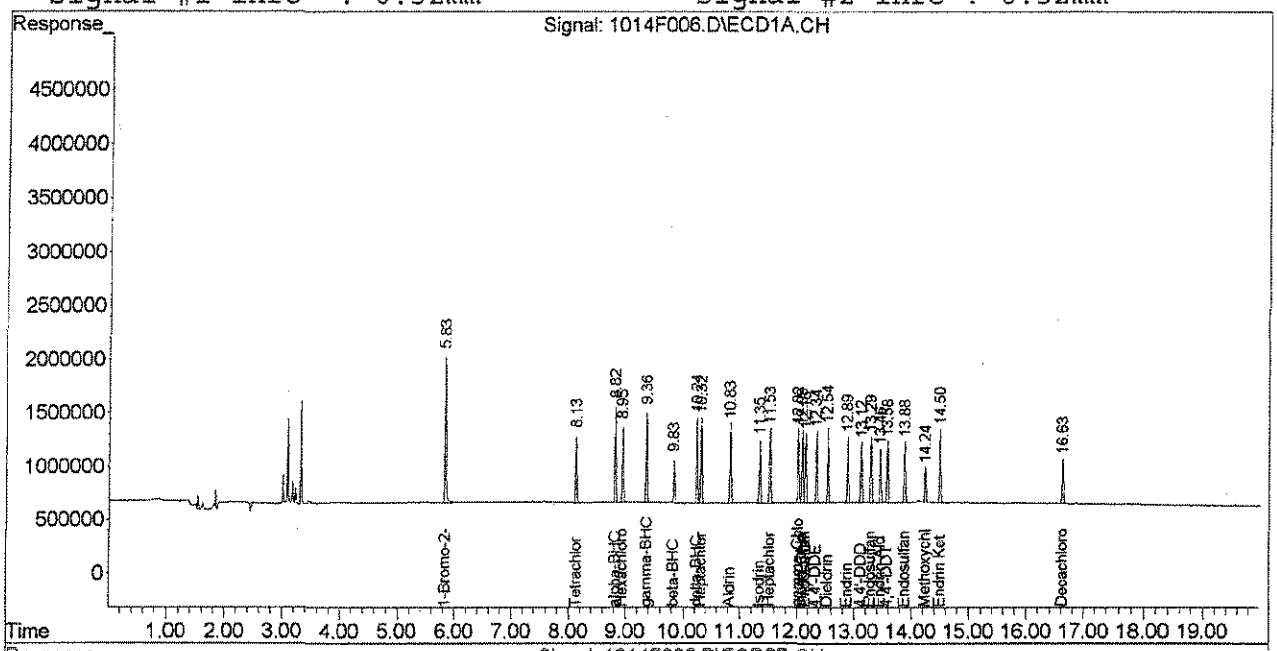
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

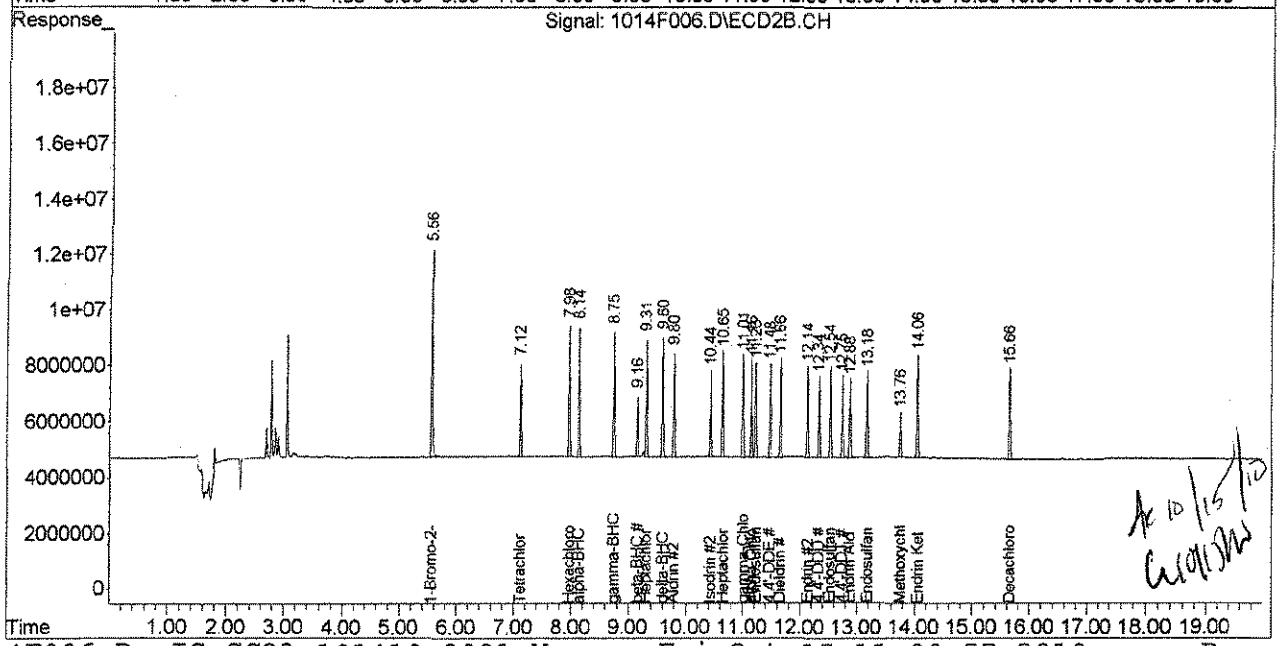
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F006.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\101410\1014F006.D\ECD2B.CH
Acq On : 14 Oct 2010 6:57 pm Operator: CCotnam
Sample : 8081 @ 20ppb GCPS6-71K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:19 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



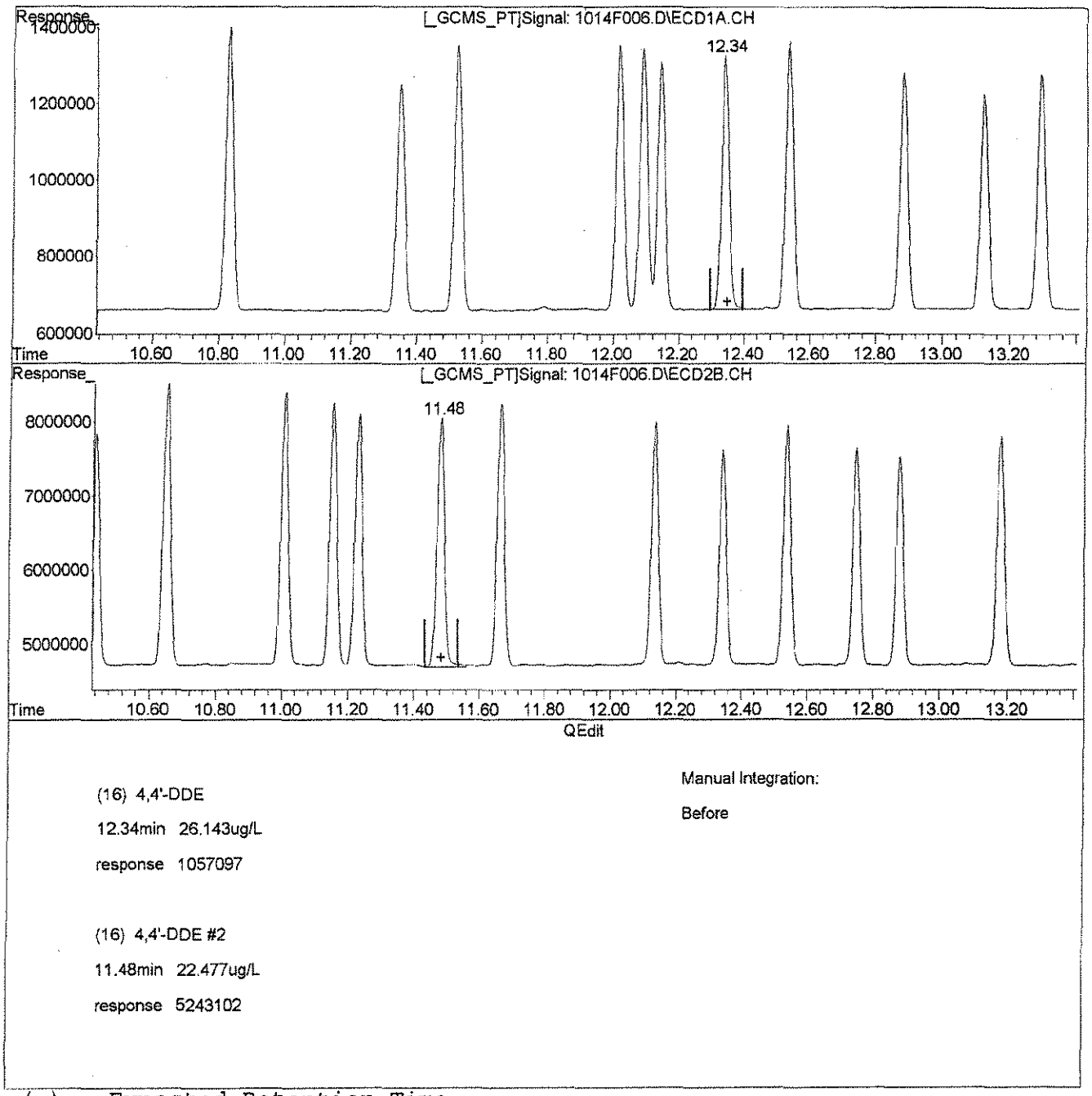


AC 10/15/10

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F006.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\101410\1014F006.D\ECD2B.CH
Acq On : 14 Oct 2010 6:57 pm Operator: CCotnam
Sample : 8081 @ 20ppb GCPS6-71K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration



(16) 4,4'-DDE
12.34min 26.143ug/L
response 1057097

(16) 4,4'-DDE #2
11.48min 22.477ug/L
response 5243102

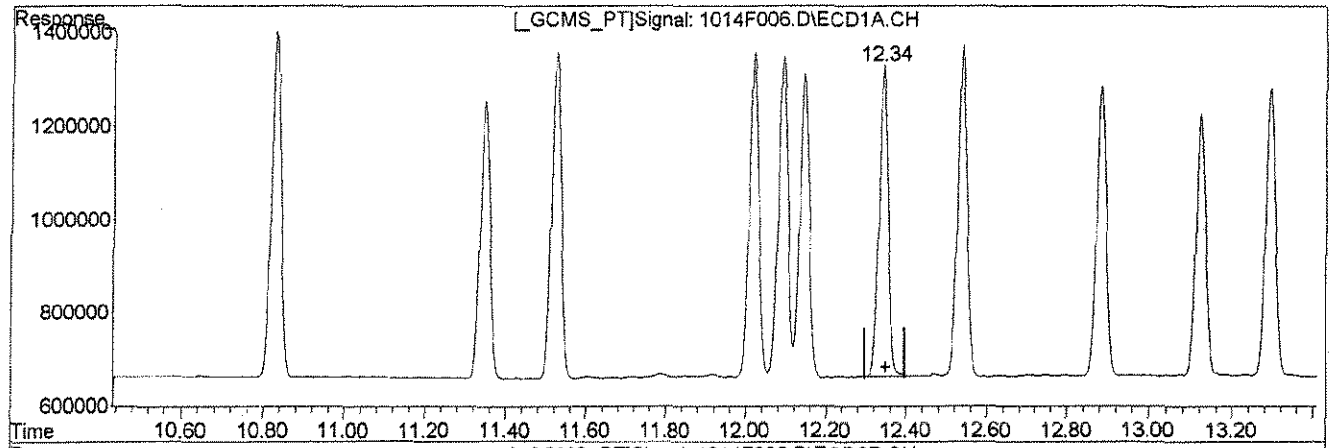
Manual Integration:
Before

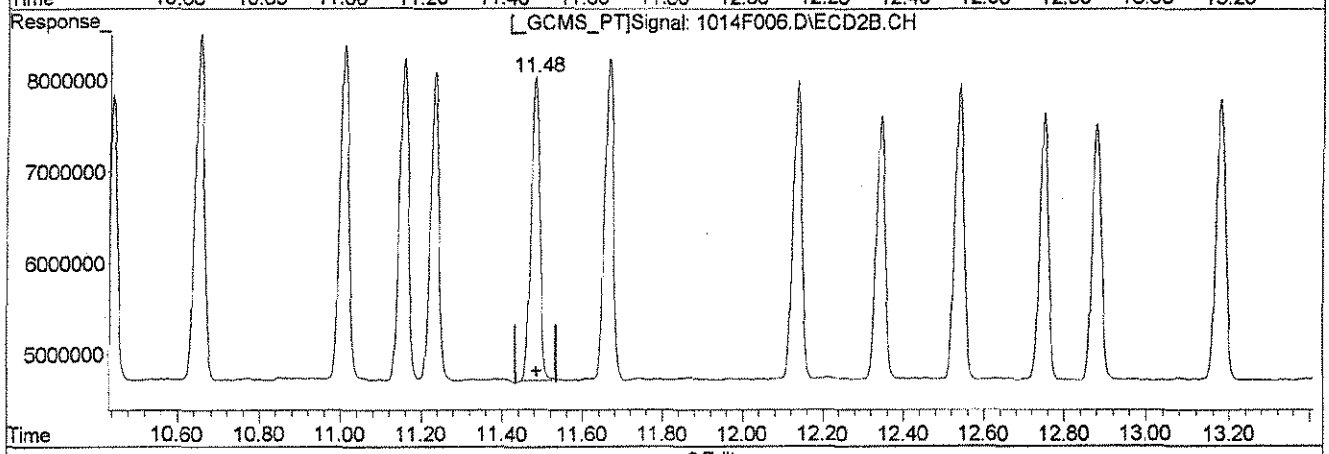
(+) = Expected Retention Time
1014F006.D IS-GC23-101410-8081.M Fri Oct 15 10:19:03 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F006.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\101410\1014F006.D\ECD2B.CH
Acq On : 14 Oct 2010 6:57 pm Operator: CCotnam
Sample : 8081 @ 20ppb GCPS6-71K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(16) 4,4'-DDE
12.34min 26.143ug/L
response 1057097

(16) 4,4'-DDE #2
11.48min 21.721ug/L m
response 5066653

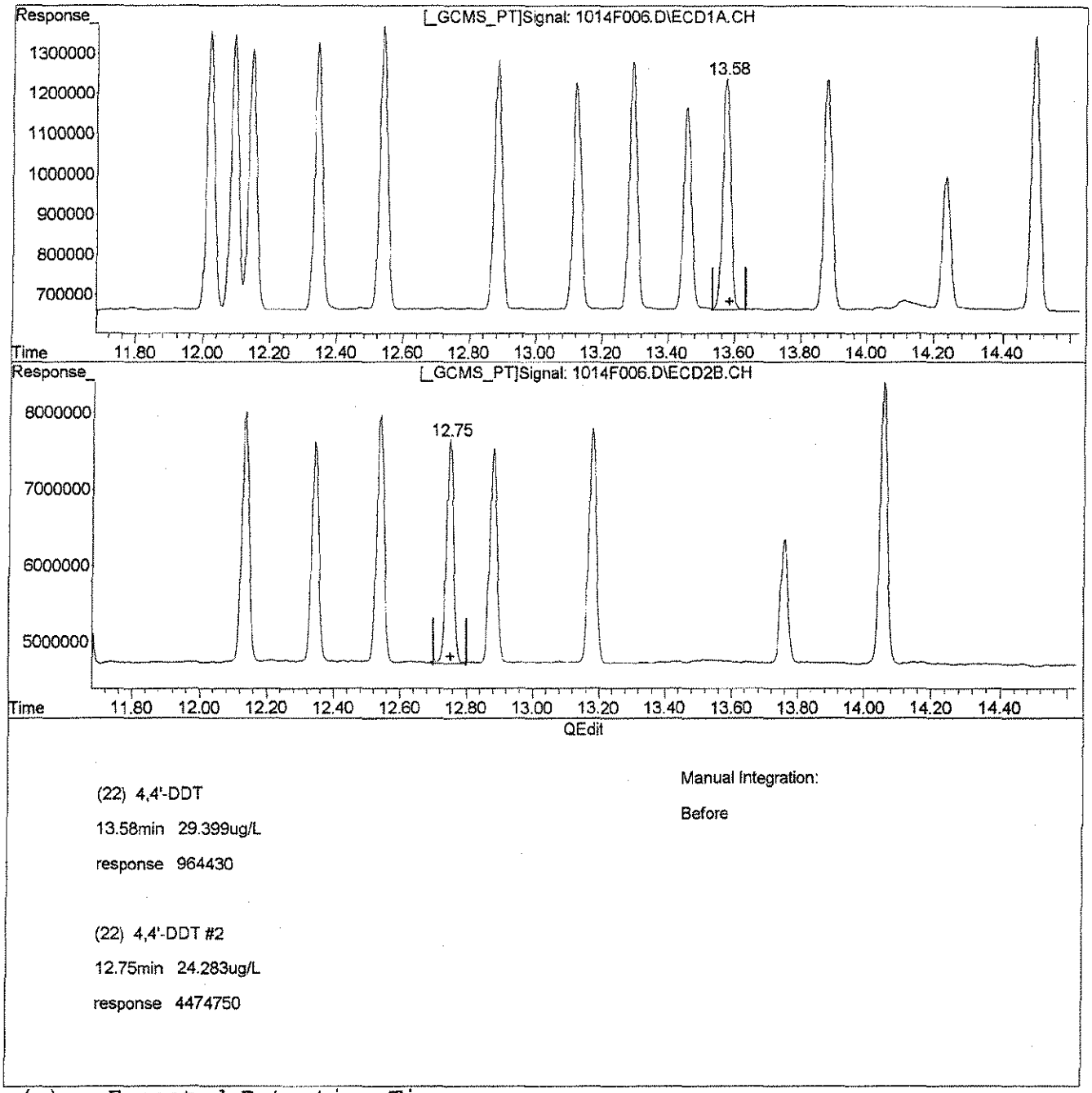
Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F006.D IS-GC23-101410-8081.M Fri Oct 15 10:19:09 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F006.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\101410\1014F006.D\ECD2B.CH
Acq On : 14 Oct 2010 6:57 pm Operator: CCotnam
Sample : 8081 @ 20ppb GCPS6-71K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration

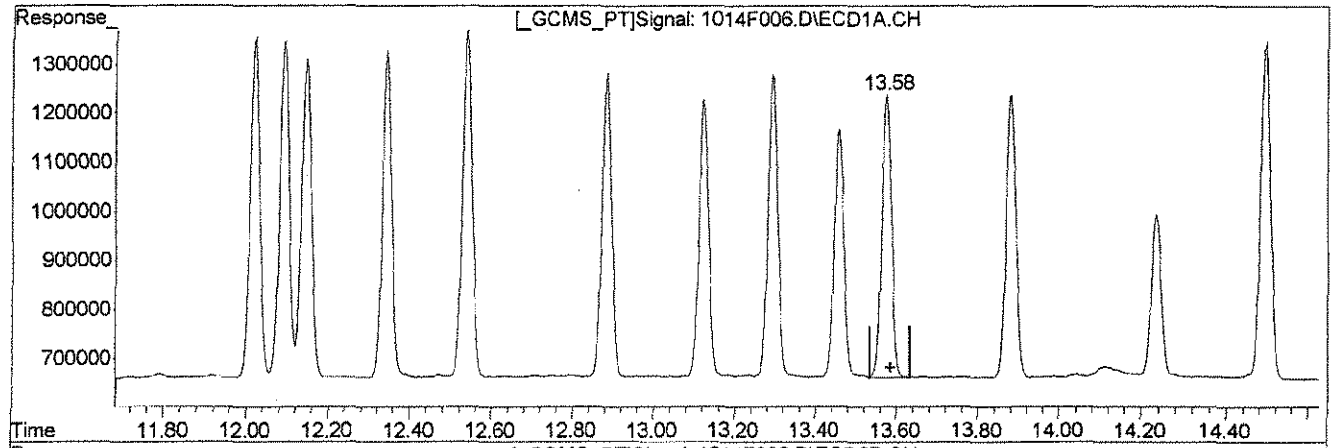


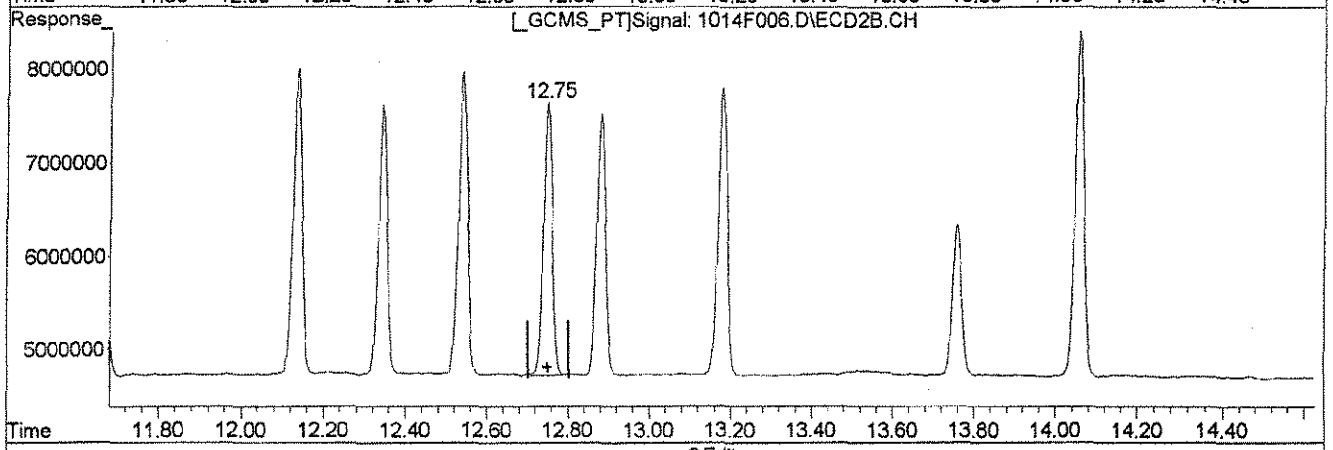
(+) = Expected Retention Time
1014F006.D IS-GC23-101410-8081.M Fri Oct 15 10:19:17 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F006.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\101410\1014F006.D\ECD2B.CH
Acq On : 14 Oct 2010 6:57 pm Operator: CCotnam
Sample : 8081 @ 20ppb GCPS6-71K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(22) 4,4'-DDT
13.58min 29.399ug/L
response 964430

(22) 4,4'-DDT #2
12.75min 23.912ug/L m
response 4406352

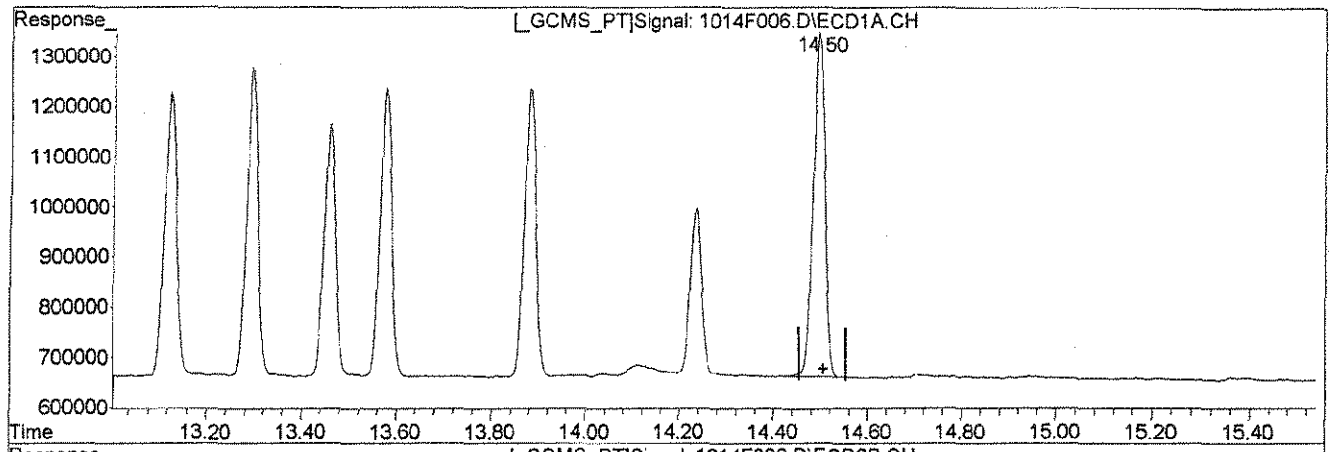
Manual Integration:
After
Baseline/Shoulder
10/15/10

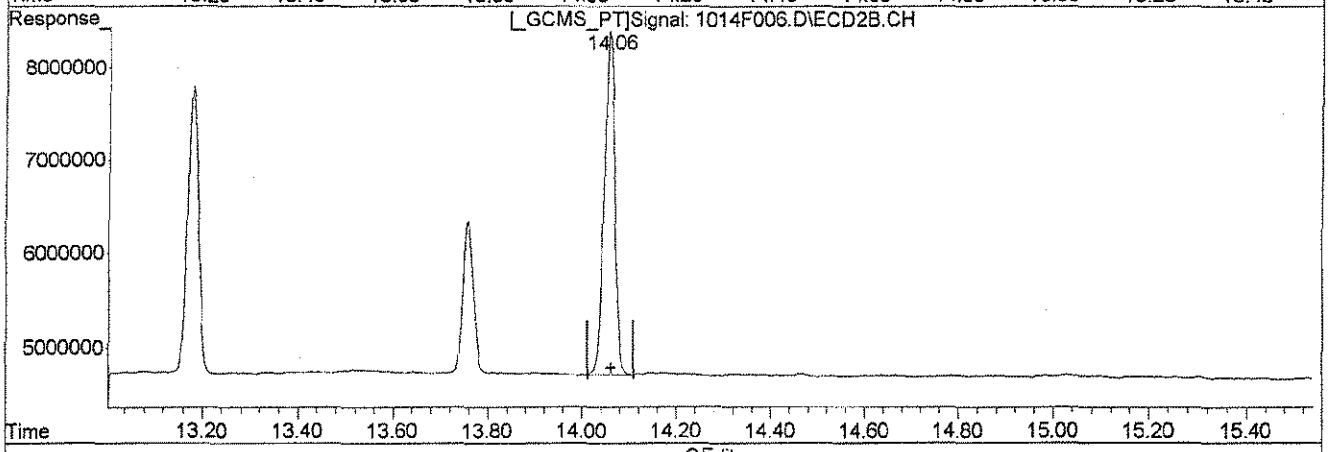
(+) = Expected Retention Time
1014F006.D IS-GC23-101410-8081.M Fri Oct 15 10:19:24 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F006.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\101410\1014F006.D\ECD2B.CH
Acq On : 14 Oct 2010 6:57 pm Operator: CCotnam
Sample : 8081 @ 20ppb GCPS6-71K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(23) Endrin Ketone
14.50min 27.771ug/L
response 1191529

(23) Endrin Ketone #2
14.06min 24.487ug/L
response 5734748

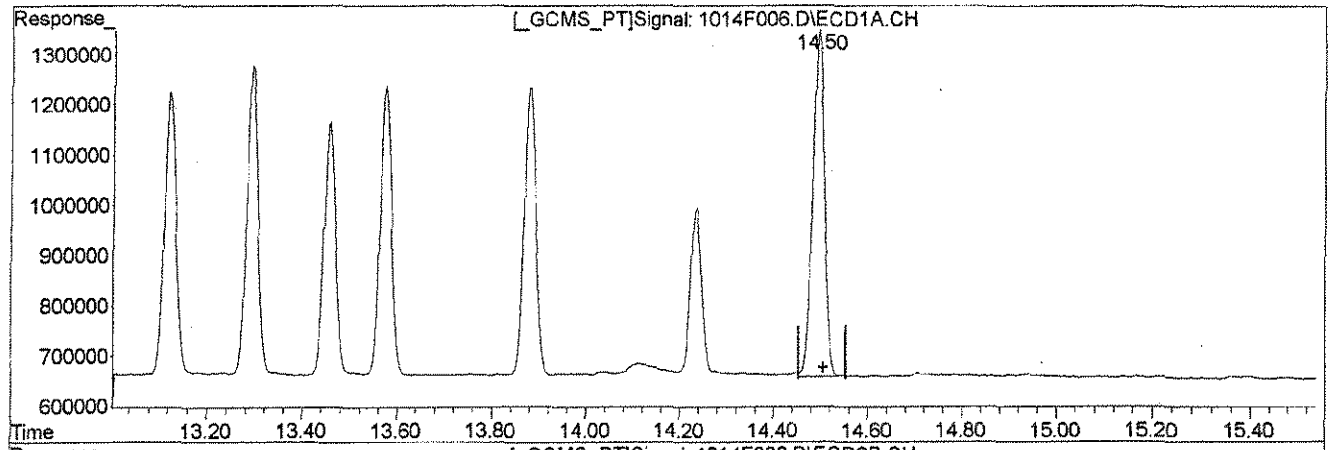
Manual Integration:
Before

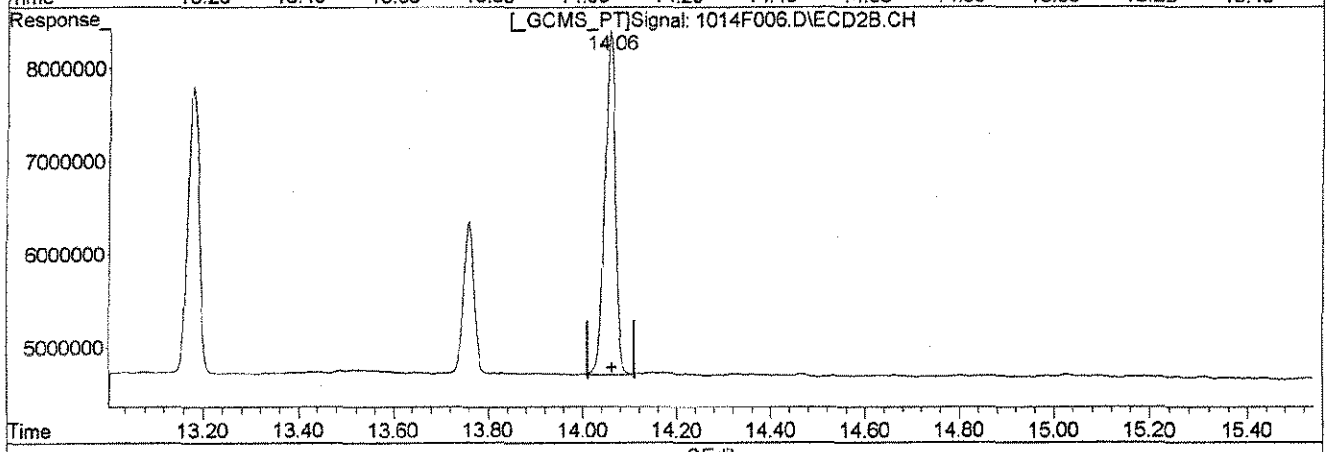
(+) = Expected Retention Time
1014F006.D IS-GC23-101410-8081.M Fri Oct 15 10:19:28 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F006.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\101410\1014F006.D\ECD2B.CH
Acq On : 14 Oct 2010 6:57 pm Operator: CCotnam
Sample : 8081 @ 20ppb GCPS6-71K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(23) Endrin Ketone
14.50min 27.672ug/L m
response 1187269

(23) Endrin Ketone #2
14.06min 24.487ug/L
response 5734748

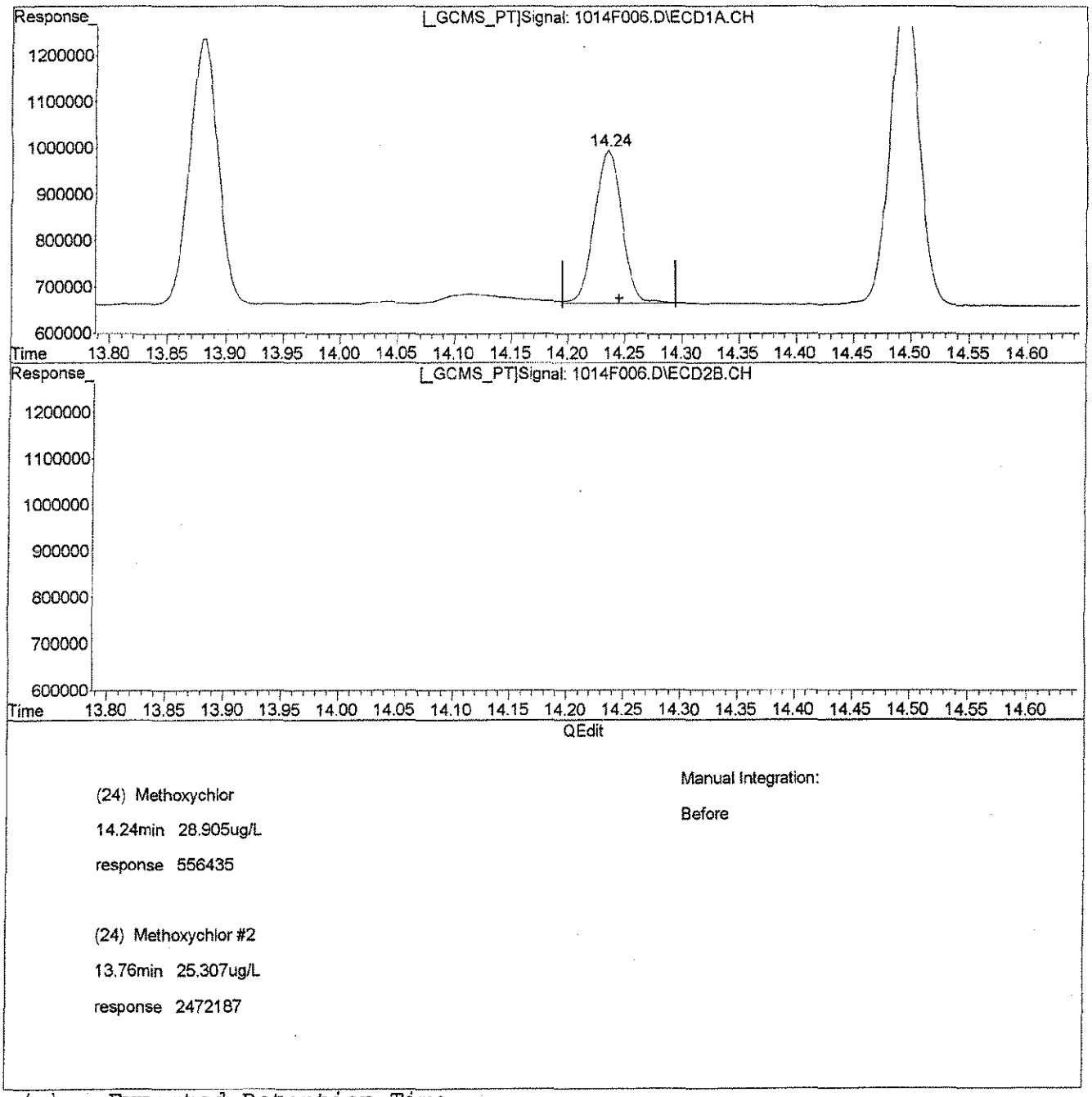
Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F006.D IS-GC23-101410-8081.M Fri Oct 15 10:19:37 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F006.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\101410\1014F006.D\ECD2B.CH
Acq On : 14 Oct 2010 6:57 pm Operator: CCotnam
Sample : 8081 @ 20ppb GCPS6-71K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration

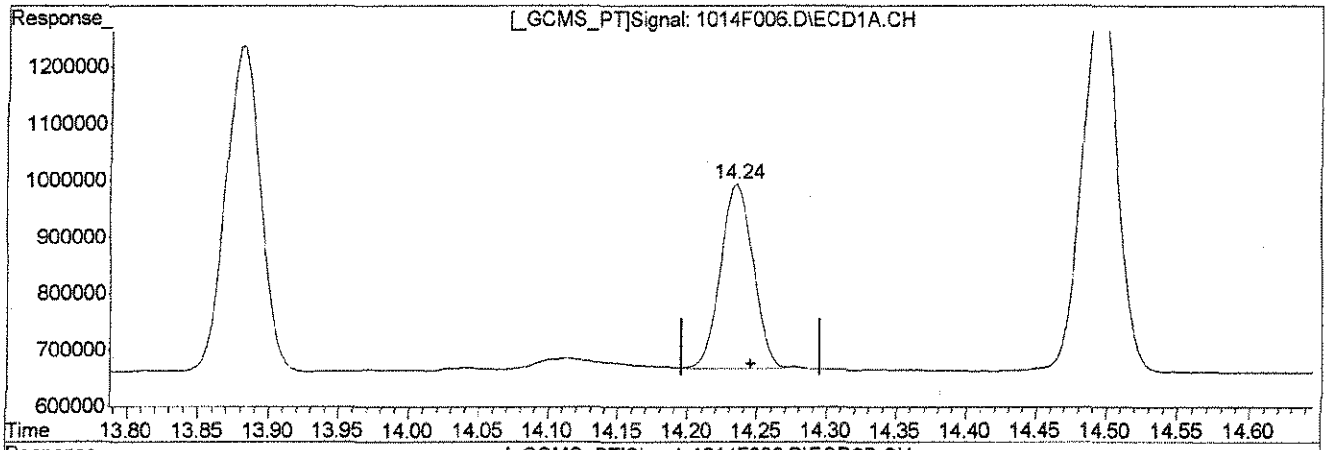


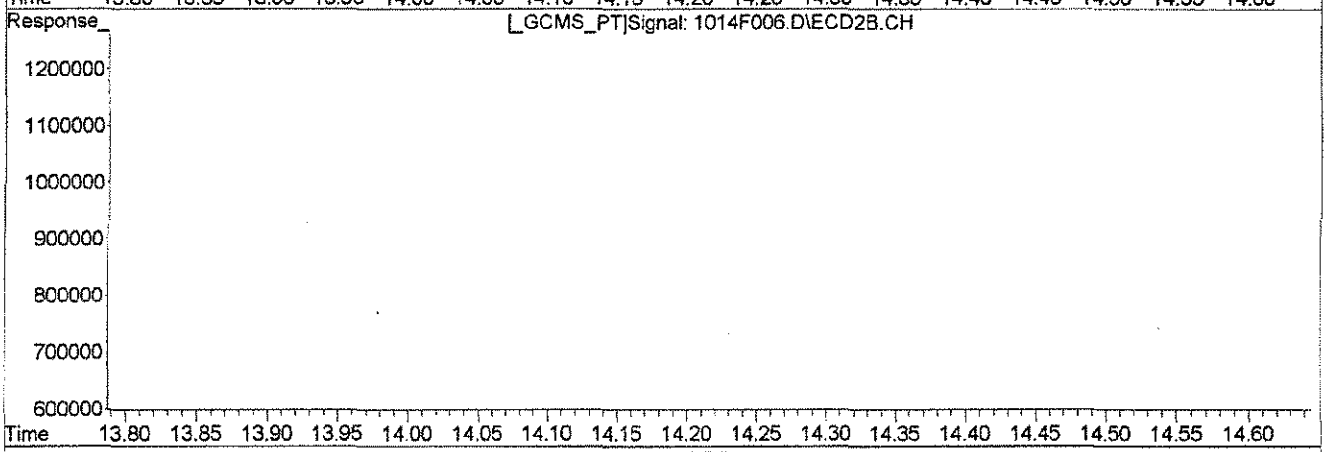
(+) = Expected Retention Time
1014F006.D IS-GC23-101410-8081.M Fri Oct 15 10:19:41 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F006.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\101410\1014F006.D\ECD2B.CH
Acq On : 14 Oct 2010 6:57 pm Operator: CCotnam
Sample : 8081 @ 20ppb GCPS6-71K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(24) Methoxychlor
14.24min 27.986ug/L m
response 538750

(24) Methoxychlor #2
13.76min 25.307ug/L
response 2472187

Manual Integration:
After
Baseline/Shoulder
10/15/10 A 10/15/10

(+) = Expected Retention Time
1014F006.D IS-GC23-101410-8081.M Fri Oct 15 10:19:48 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F007.D\ECD1A.CH Vial: 7
Signal #2 : J:\GC23\DATA\101410\1014F007.D\ECD2B.CH
Acq On : 14 Oct 2010 7:24 pm Operator: CCotnam
Sample : 8081 @ 50ppb GCPS6-69M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:42 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.84	5.57	2101239	10742743	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.13	7.13	2163182	10510913	47.807	48.292
25)	s	Decachlorobiphen	16.63	15.67	1803930	11604028	55.420	56.262
		Target Compounds						
3)		alpha-BHC	8.82	8.15	3151194	15376983	51.061	49.829
4)		Hexachlorobenzen	8.95	7.98	2483830	15246724	45.904	47.402
5)		beta-BHC	9.84	9.16	1390353	7056189	49.503	49.292
6)		gamma-BHC (Linda	9.36	8.75	2961762	14753444	51.270	49.737
7)		delta-BHC	10.25	9.60	2935911	14733599	52.579	50.261
8)		Heptachlor	10.32	9.32	2897361	14255591	53.081	49.856
9)		Aldrin	10.83	9.80	2769346	13086590	54.524	51.094
10)		Isodrin	11.35	10.44	2286831	11080939	56.619	50.473
11)		Heptachlor Epoxi	11.53	10.65	2635706	12836756	56.097	49.642
12)		gamma-Chlordane	12.02	11.01	2589278	13013015	57.697	50.454
13)		Endosulfan I	12.15	11.23	2414245	11829567	57.935	49.721
14)		alpha-Chlordane	12.10	11.16	2572439	12513794	57.470	50.206
15)		Dieldrin	12.54	11.67	2665003	12700745	60.886	49.624
16)		4,4'-DDE	12.35	11.48	2420711	11911506	58.774	50.111
17)		Endrin	12.89	12.14	2356896	11579367	62.557	51.281
18)		Endosulfan II	13.30	12.54	2359752	11692104	60.542	50.591
19)		4,4'-DDD	13.13	12.35	2103287	9997115	60.388	47.955
20)		Endrin Aldehyde	13.46	12.88	1940120	9953473	60.090	52.145
21)		Endosulfan Sulfa	13.89	13.18	2189376	11277479	59.722	51.884
22)		4,4'-DDT	13.58	12.75	2186084	10359157	65.423	55.165
23)		Endrin Ketone	14.50	14.06	2646812	13258195	60.564m	55.554
24)		Methoxychlor	14.24	13.76	1222510	5689098	62.346	57.150

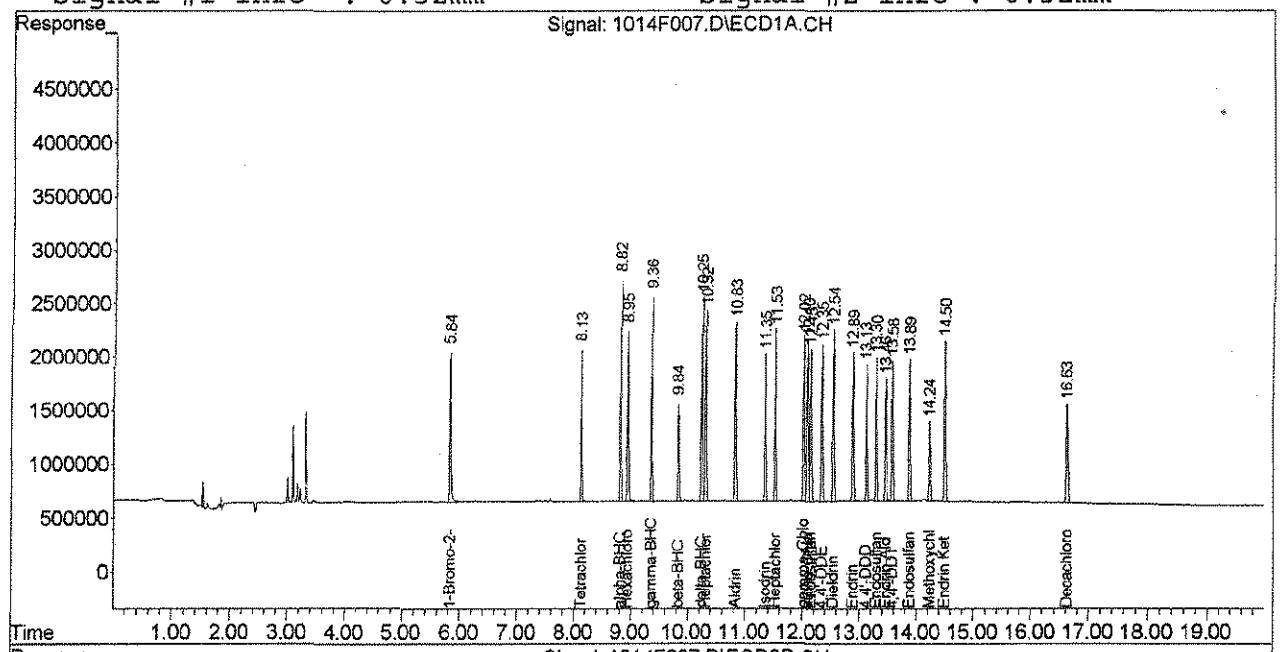
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

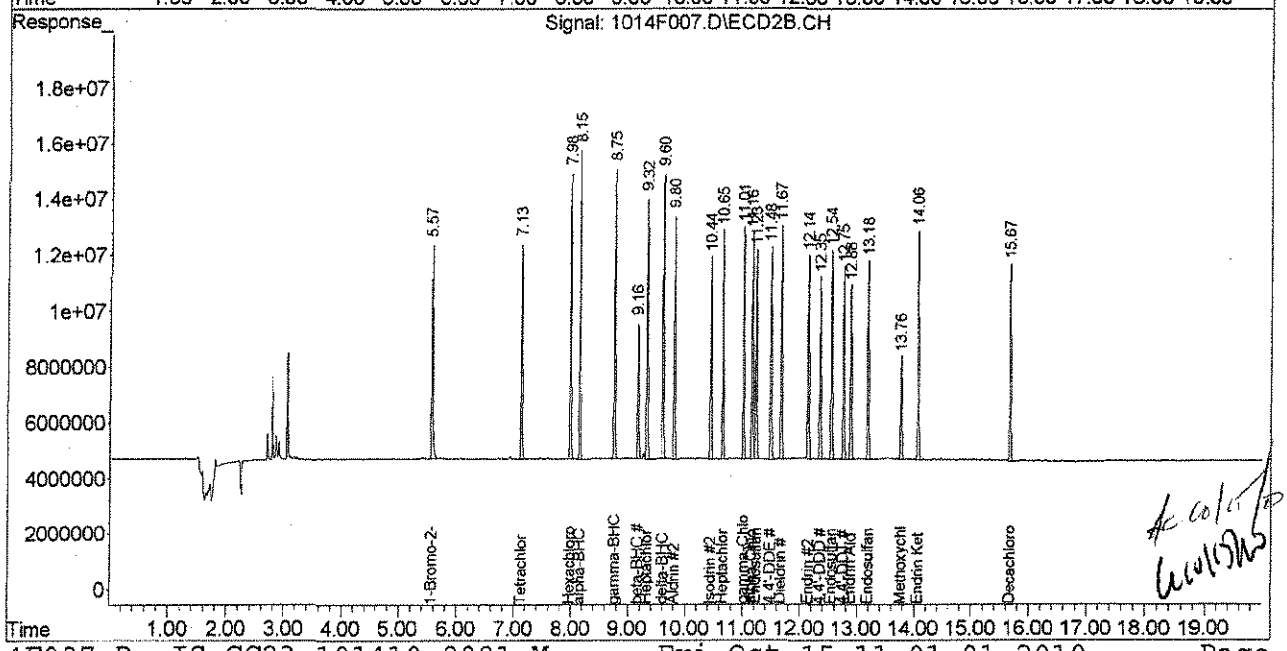
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F007.D\ECD1A.CH Vial: 7
Signal #2 : J:\GC23\DATA\101410\1014F007.D\ECD2B.CH
Acq On : 14 Oct 2010 7:24 pm Operator: CCotnam
Sample : 8081 @ 50ppb GCPS6-69M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:20 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

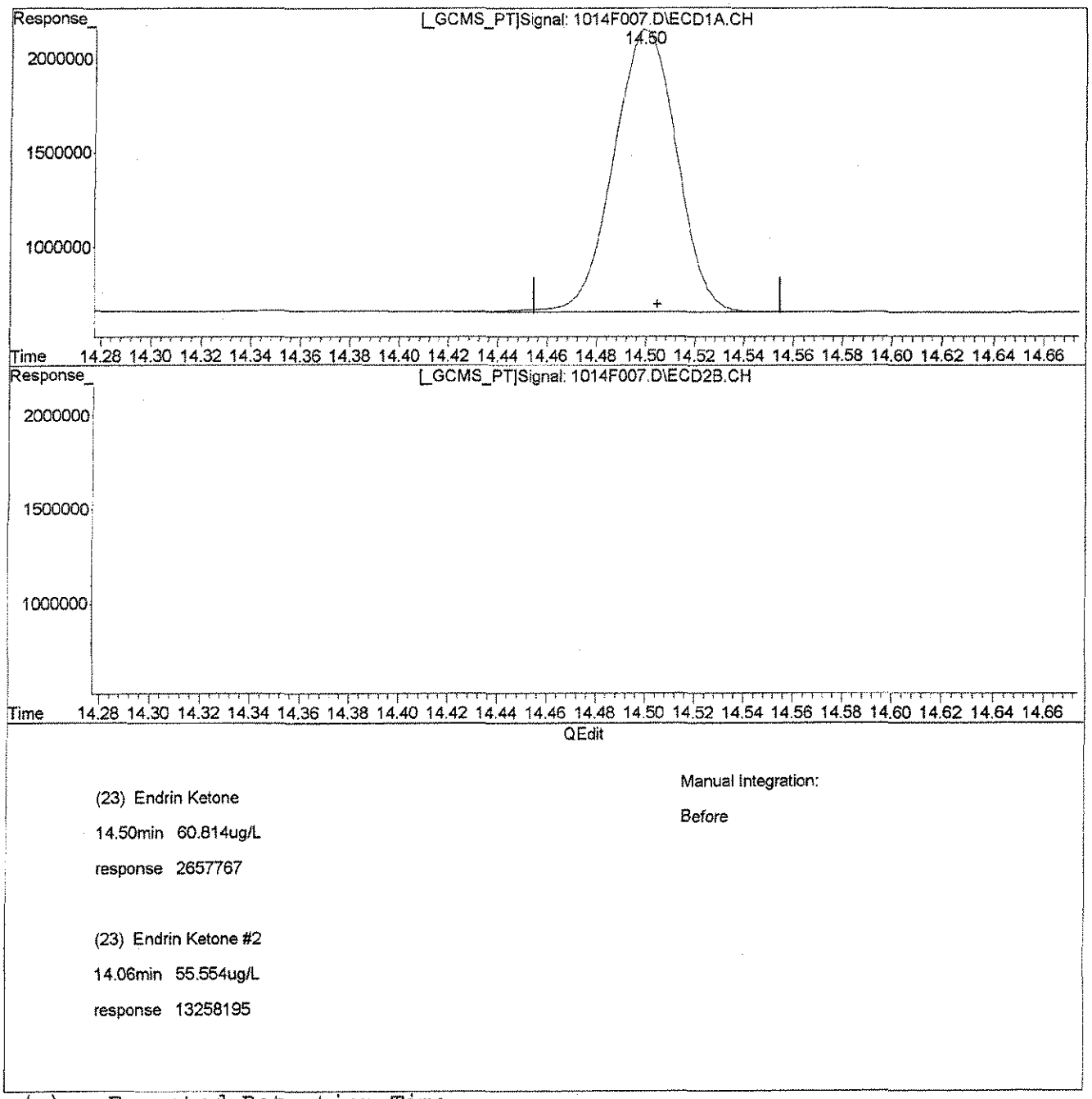




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F007.D\ECD1A.CH Vial: 7
Signal #2 : J:\GC23\DATA\101410\1014F007.D\ECD2B.CH
Acq On : 14 Oct 2010 7:24 pm Operator: CCotnam
Sample : 8081 @ 50ppb GCPS6-69M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration

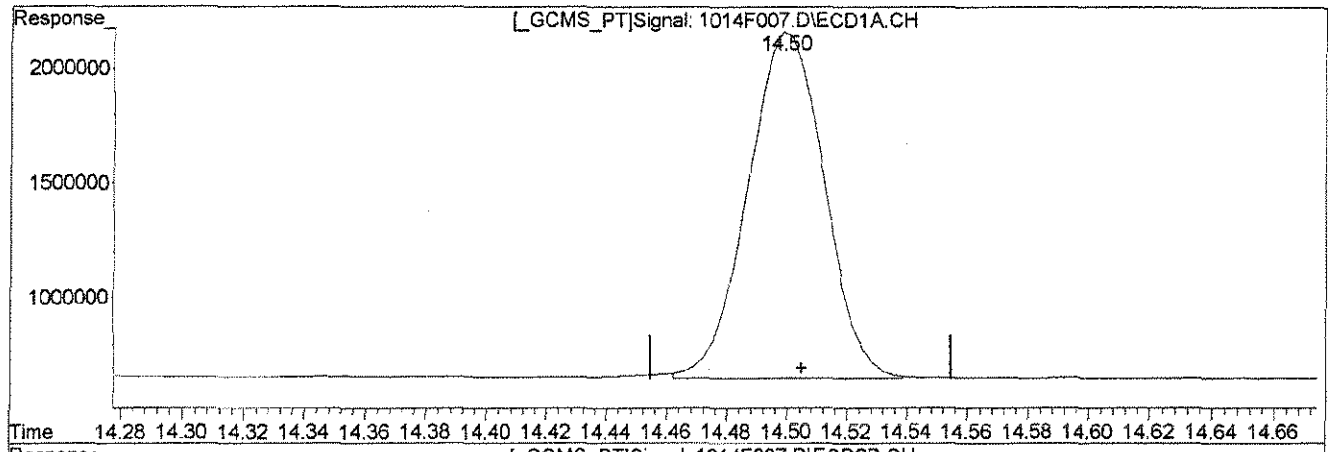


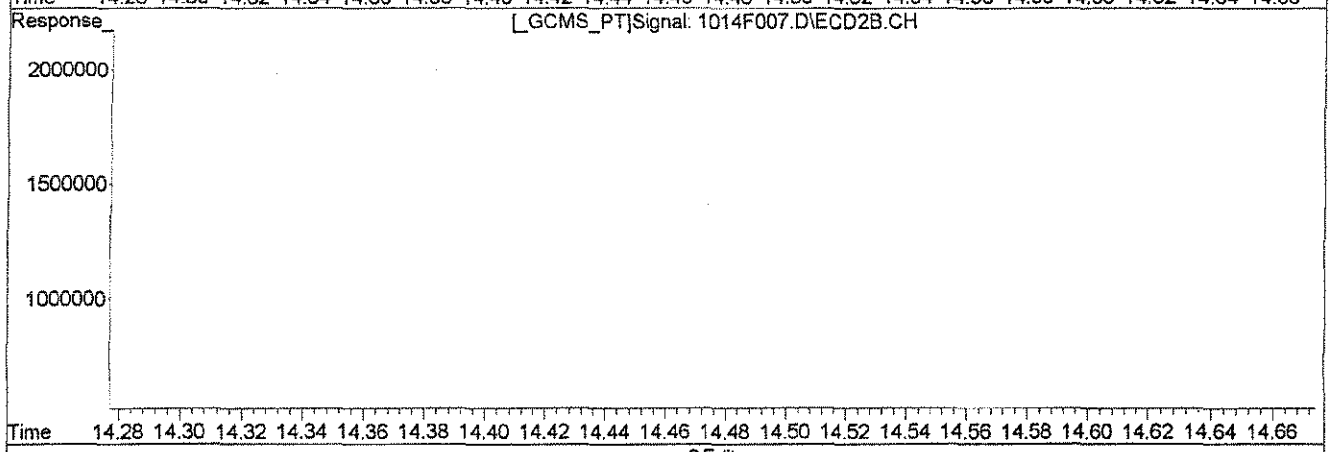
(+) = Expected Retention Time
1014F007.D IS-GC23-101410-8081.M Fri Oct 15 10:20:24 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F007.D\ECD1A.CH Vial: 7
Signal #2 : J:\GC23\DATA\101410\1014F007.D\ECD2B.CH
Acq On : 14 Oct 2010 7:24 pm Operator: CCotnam
Sample : 8081 @ 50ppb GCPS6-69M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(23) Endrin Ketone
14.50min 60.564ug/L m
response 2646812

(23) Endrin Ketone #2
14.06min 55.554ug/L
response 13258195

Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F007.D IS-GC23-101410-8081.M Fri Oct 15 10:20:32 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F008.D\ECD1A.CH Vial: 8
Signal #2 : J:\GC23\DATA\101410\1014F008.D\ECD2B.CH
Acq On : 14 Oct 2010 7:50 pm Operator: CCotnam
Sample : 8081 @ 100ppb GCPS6-71L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:43 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.83	5.57	2113038	10772867	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.13	7.13	4308079	21275993	94.679	97.477
25)	s	Decachlorobiphen	16.63	15.67	3484088	22640346	106.440	109.464
		Target Compounds						
3)		alpha-BHC	8.82	8.15	6560248	32635820	105.706	105.460
4)		Hexachlorobenzen	8.95	7.98	4879005	30166782	89.666	93.527
5)		beta-BHC	9.83	9.16	2749096	14146598	97.334	98.547
6)		gamma-BHC (Linda	9.36	8.76	6072625	30862736	104.534	103.755
7)		delta-BHC	10.24	9.60	6045269	31083665	107.661	105.740
8)		Heptachlor	10.32	9.32	5870763	29277490	106.954	102.106
9)		Aldrin	10.83	9.80	5580829	27088189	109.264	105.465
10)		Isodrin	11.35	10.44	4552227	22573407	112.077	102.533
11)		Heptachlor Epoxi	11.52	10.65	5241857	26081946	110.941	100.581
12)		gamma-Chlordane	12.02	11.01	5174849	26543574	114.668	102.627
13)		Endosulfan I	12.15	11.23	4755555	24016374	113.483	100.661
14)		alpha-Chlordane	12.09	11.16	5117534	25349044	113.691	101.418
15)		Dieldrin	12.54	11.67	5324917	26265874	120.975	102.338
16)		4,4'-DDE	12.34	11.48	4889560	24578114	118.053	103.109
17)		Endrin	12.88	12.14	4716106	23995325	124.477	105.971
18)		Endosulfan II	13.29	12.54	4615510	23617369	117.754	101.906
19)		4,4'-DDD	13.12	12.35	4244052	20787639	121.172	99.437
20)		Endrin Aldehyde	13.46	12.88	3832608	20152063	118.041	105.278
21)		Endosulfan Sulfa	13.88	13.18	4295854	22797524	116.528	104.591
22)		4,4'-DDT	13.58	12.75	4395195	21831026	130.801	115.930
23)		Endrin Ketone	14.50	14.06	5226127	27065884	118.915	113.093
24)		Methoxychlor	14.24	13.76	2410975	11622592	122.270	116.428

10/15/10

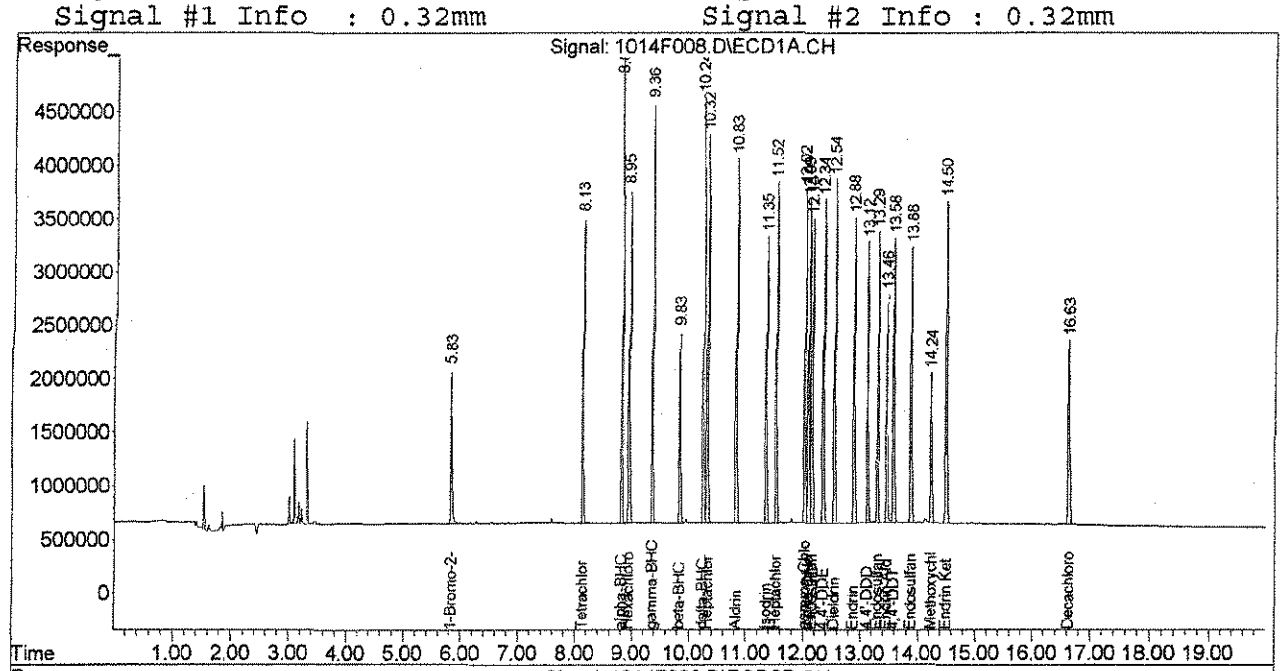
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

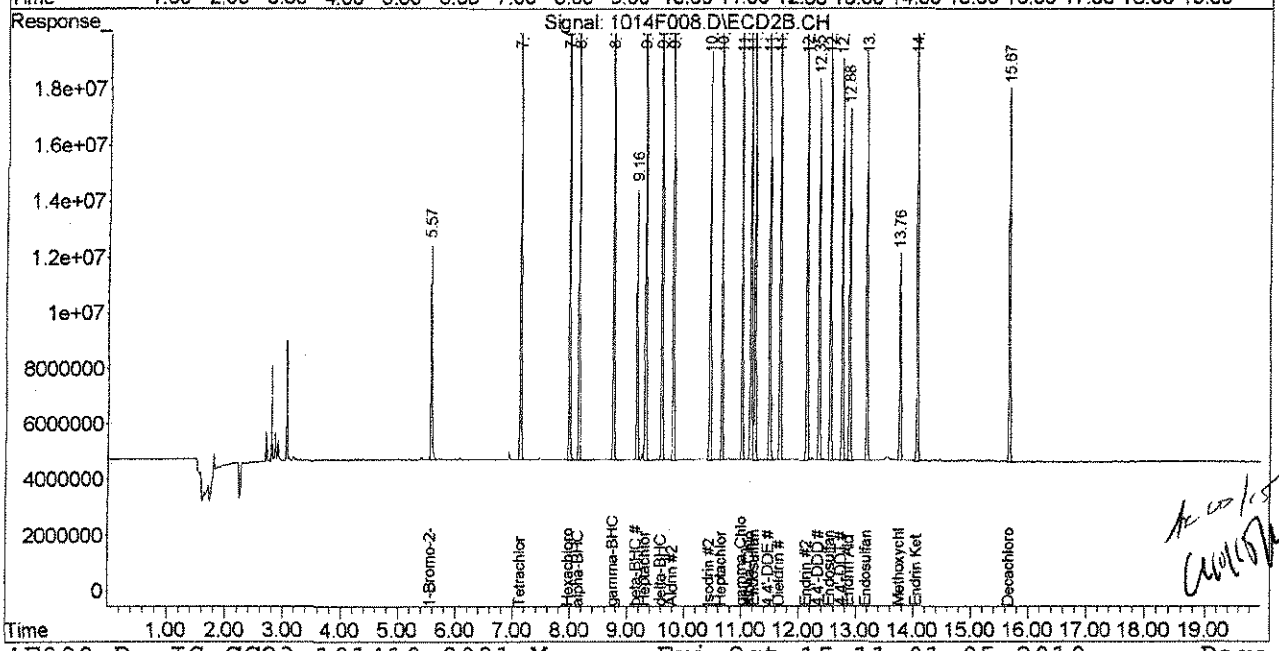
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F008.D\ECD1A.CH Vial: 8
Signal #2 : J:\GC23\DATA\101410\1014F008.D\ECD2B.CH
Acq On : 14 Oct 2010 7:50 pm Operator: CCotnam
Sample : 8081 @ 100ppb GCPS6-71L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:20 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F009.D\ECD1A.CH Vial: 9
Signal #2 : J:\GC23\DATA\101410\1014F009.D\ECD2B.CH
Acq On : 14 Oct 2010 8:17 pm Operator: CCotnam
Sample : 8081 @ 200ppb GCPS6-71M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:44 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.84	5.56	2056074	10573132	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.13	7.13	8469256	42151038	191.286	196.766
25)	s	Decachlorobiphen	16.63	15.67	6572004	43013078	206.338	211.893
		Target Compounds						
3)		alpha-BHC	8.82	8.15	13299494	66892720	220.234	220.242
4)		Hexachlorobenzen	8.95	7.98	9507711	58351651	179.573	184.326
5)		beta-BHC	9.84	9.16	5271316	27541841	191.807	195.485
6)		gamma-BHC (Linda	9.36	8.75	12196004	62570778	215.758	214.325
7)		delta-BHC	10.25	9.60	12231681	63482279	223.870	220.033
8)		Heptachlor	10.32	9.32	11657047	58384353	218.253	207.462
9)		Aldrin	10.83	9.80	11006804	54461717	221.467	216.047
10)		Isodrin	11.35	10.44	8838821	44662758	223.643	206.699
11)		Heptachlor Epoxi	11.53	10.65	10232624	51467211	222.568	202.225
12)		gamma-Chlordane	12.02	11.01	10150333	52769430	231.149	207.881
13)		Endosulfan I	12.15	11.23	9275418	47292646	227.475	201.965
14)		alpha-Chlordane	12.10	11.16	9874495	50272510	225.450	204.933
15)		Dieldrin	12.54	11.67	10488843	52699170	244.895	209.208
16)		4,4'-DDE	12.35	11.48	9699472	49506116	240.672	211.609
17)		Endrin	12.89	12.14	9317783	48257171	252.748	217.144
18)		Endosulfan II	13.30	12.54	8929192	46561416	234.120	204.702
19)		4,4'-DDD	13.13	12.35	8335001	42118389	244.566	205.277
20)		Endrin Aldehyde	13.46	12.88	7323686	39386642	231.813	209.651
21)		Endosulfan Sulfa	13.89	13.18	8251888	44941452	230.040	210.079
22)		4,4'-DDT	13.58	12.75	8644600	44348869	264.391	239.955
23)		Endrin Ketone	14.50	14.06	9982795	53044751	233.441m	225.830m
24)		Methoxychlor	14.24	13.76	4542495	22892208	236.750	233.652

AE 10/15/10 EW015M

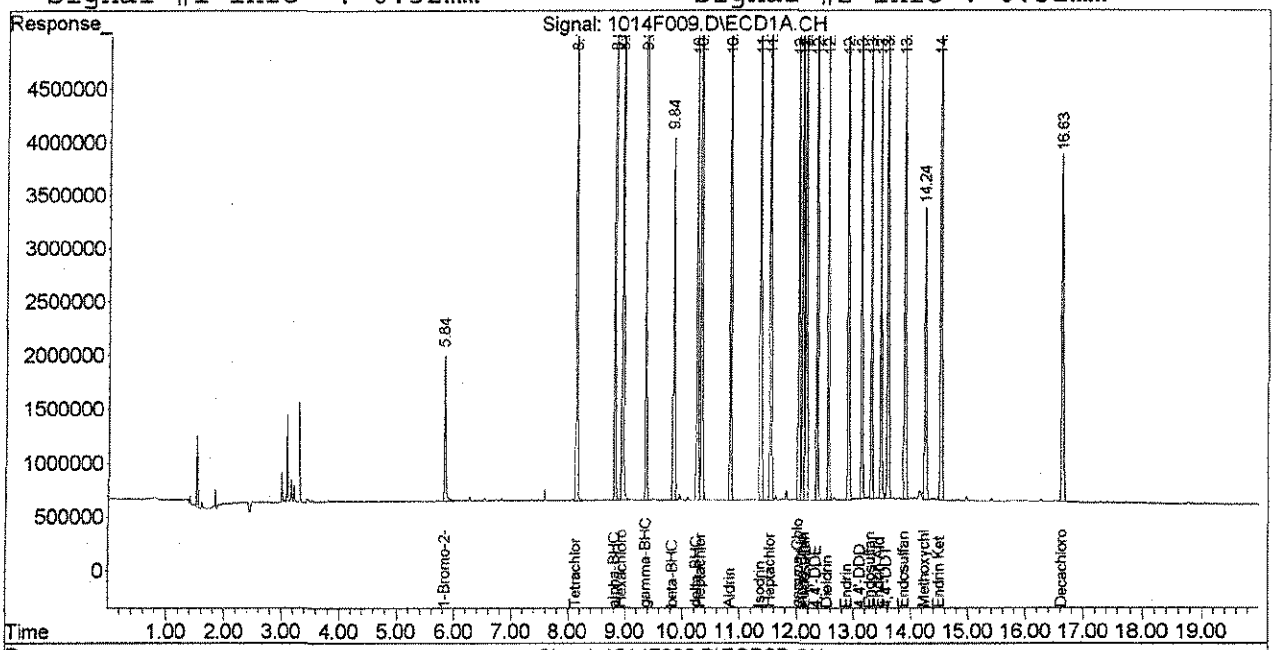
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

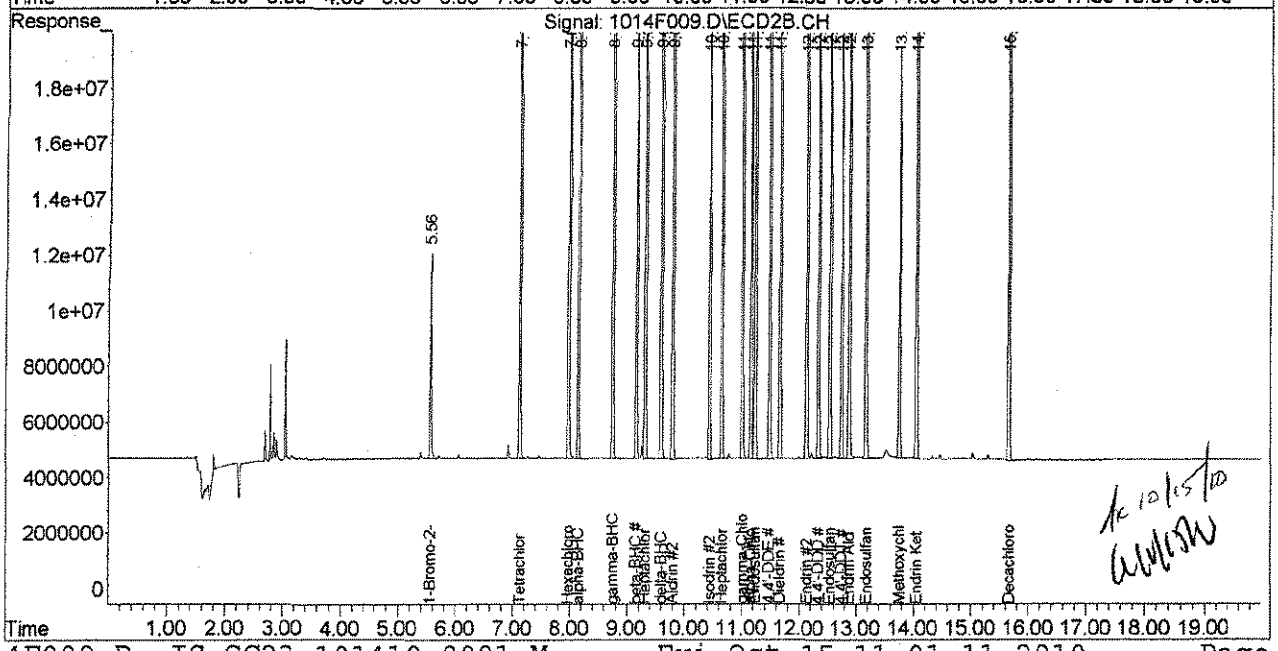
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F009.D\ECD1A.CH Vial: 9
Signal #2 : J:\GC23\DATA\101410\1014F009.D\ECD2B.CH
Acq On : 14 Oct 2010 8:17 pm Operator: CCotnam
Sample : 8081 @ 200ppb GCPS6-71M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:21 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

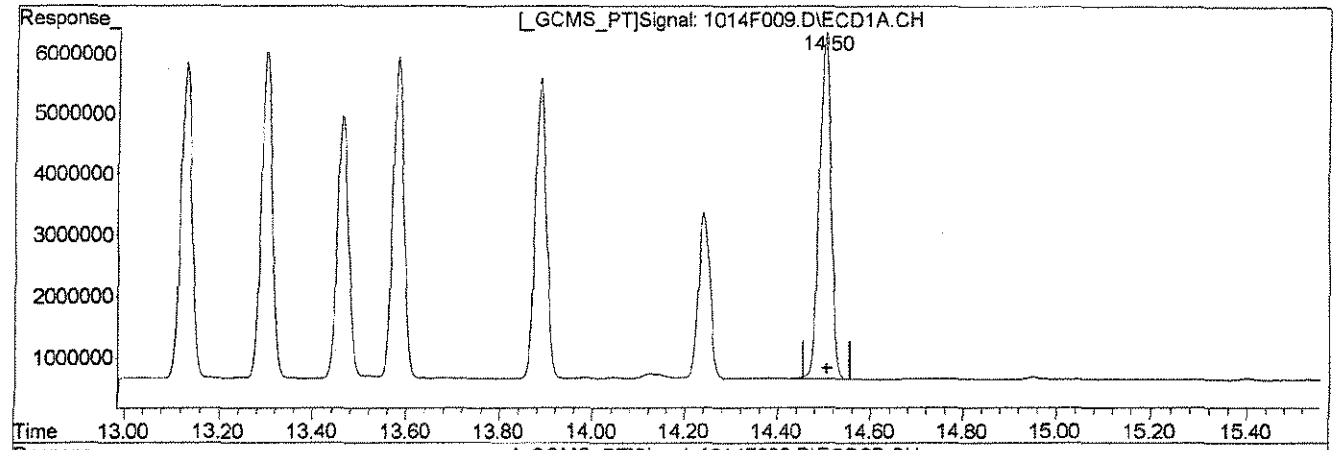


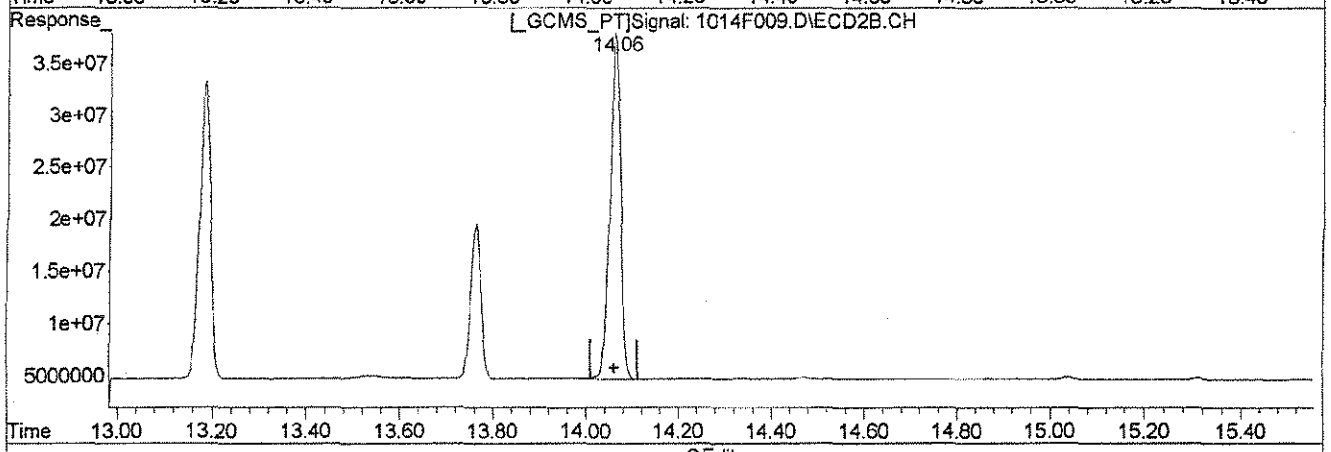


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F009.D\ECD1A.CH Vial: 9
Signal #2 : J:\GC23\DATA\101410\1014F009.D\ECD2B.CH
Acq On : 14 Oct 2010 8:17 pm Operator: CCotnam
Sample : 8081 @ 200ppb GCPS6-71M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





(23) Endrin Ketone
14.50min 235.337ug/L
response 10063876

(23) Endrin Ketone #2
14.06min 227.577ug/L
response 53454991

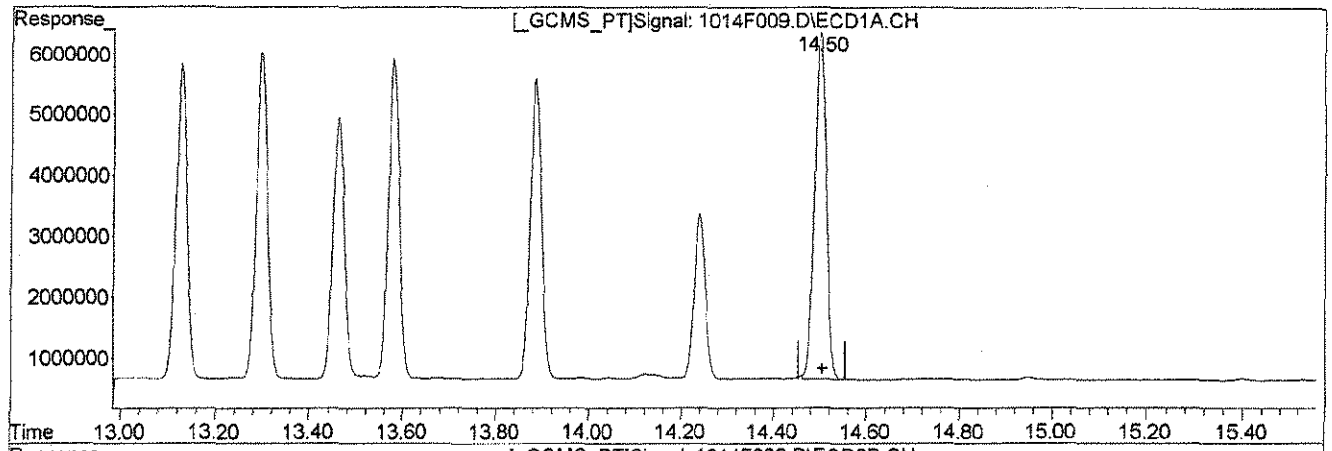
Manual Integration:
Before

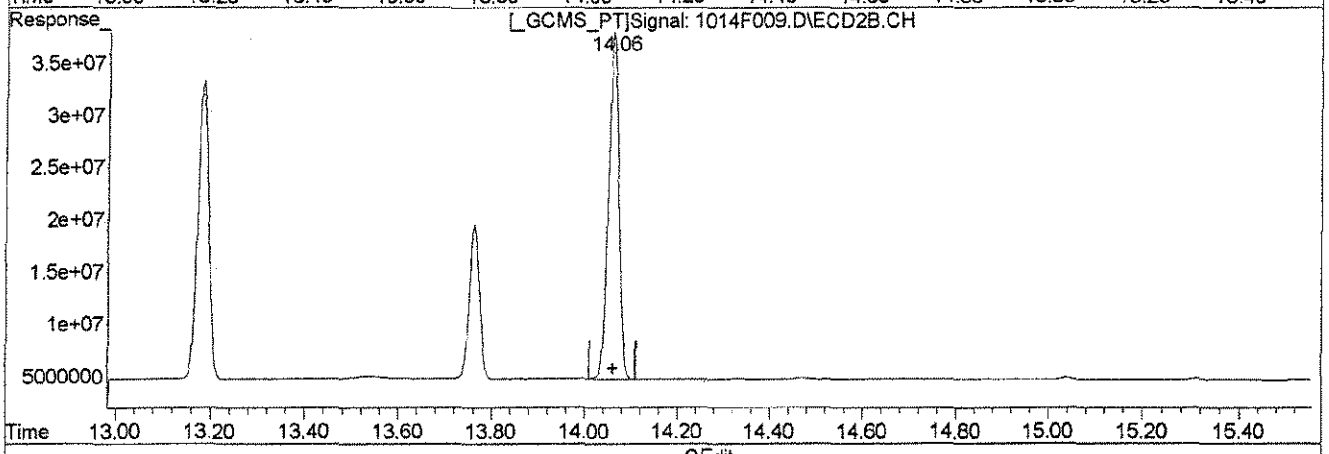
(+) = Expected Retention Time
1014F009.D IS-GC23-101410-8081.M Fri Oct 15 10:21:43 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F009.D\ECD1A.CH Vial: 9
Signal #2 : J:\GC23\DATA\101410\1014F009.D\ECD2B.CH
Acq On : 14 Oct 2010 8:17 pm Operator: CCotnam
Sample : 8081 @ 200ppb GCPS6-71M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration





QEdit

(23) Endrin Ketone
14.50min 233.441ug/L m
response 9982795

(23) Endrin Ketone #2
14.06min 225.830ug/L m
response 53044751

Manual Integration:
After
Baseline/Shoulder
10/15/10

10/15/10

(+) = Expected Retention Time
1014F009.D IS-GC23-101410-8081.M Fri Oct 15 10:21:58 2010

Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F010.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\101410\1014F010.D\ECD2B.CH
Acq On : 14 Oct 2010 8:44 pm Operator: CCotnam
Sample : 8081 @ 40ppb GCPS6-67G Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:23:58 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
1) i	1-Bromo-2-nitrob	5.83	5.56	2093356	10410597	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
3)	alpha-BHC	8.82	8.14	2427409	11848711	36.873	38.638
5)	beta-BHC	9.84	9.16	1082193	5459556	36.103	38.207
6)	gamma-BHC (Linda	9.36	8.75	2304394	11332740	37.057	38.253
7)	delta-BHC	10.24	9.60	2300693	11593018	37.553	39.271
8)	Heptachlor	10.32	9.31	2280621	11079749	37.086	38.537
9)	Aldrin	10.83	9.80	2137783	10010766	36.426	37.736
10)	Isodrin	11.35	10.44	1953005	9448978	40.285	42.351
11)	Heptachlor Epoxi	11.53	10.65	2071389	9883715	36.900	38.186
12)	gamma-Chlordane	12.02	11.01	2015381	9932292	36.499	37.624
13)	Endosulfan I	12.15	11.23	1900195	9303790	37.236	38.383
14)	alpha-Chlordane	12.09	11.15	2015641	9691607	36.791	38.034
15)	Dieldrin	12.54	11.66	2022852	9704245	36.184	37.441
16)	4,4'-DDE	12.34	11.48	2150818	9568807	42.208	39.700
17)	Endrin	12.88	12.13	1682395	8282448	34.022	35.470
18)	Endosulfan II	13.29	12.54	1839379	9021448	36.722	37.893
19)	4,4'-DDD	13.12	12.34	1630990	8114698	36.323	39.296
20)	Endrin Aldehyde	13.46	12.88	1573044	7935186	38.334	39.640
21)	Endosulfan Sulfa	13.88	13.18	1714669	8625526	36.978	37.719
22)	4,4'-DDT	13.58	12.75	1732527	8058357	37.294	39.544
23)	Endrin Ketone	14.50	14.06	2247632	10883630	40.329	41.020
24)	Methoxychlor	14.24	13.76	965383	4483918	37.981m	39.048

10/15/10

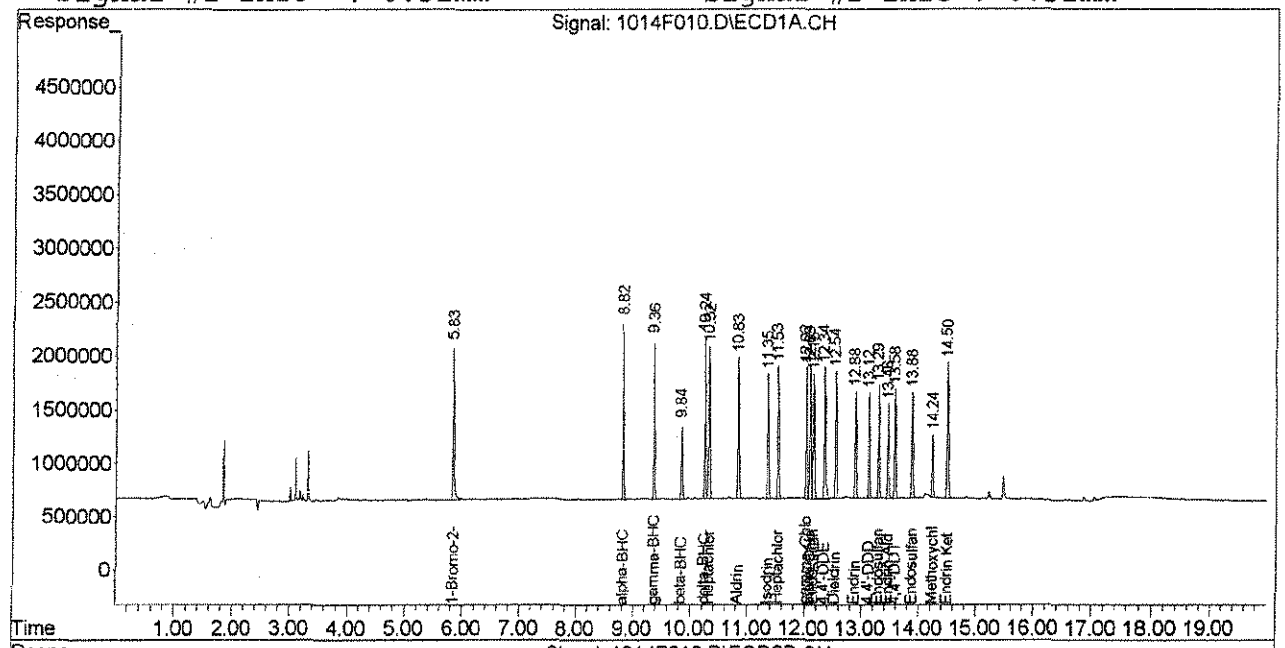
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

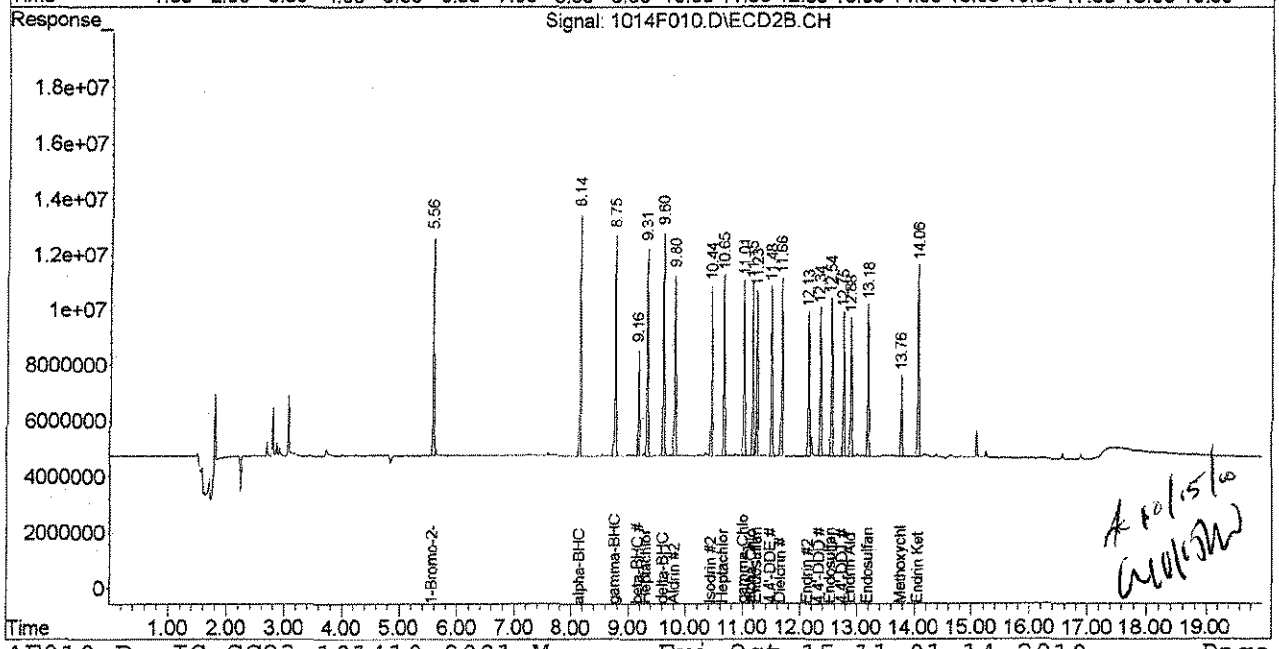
Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F010.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\101410\1014F010.D\ECD2B.CH
Acq On : 14 Oct 2010 8:44 pm Operator: CCotnam
Sample : 8081 @ 40ppb GCPS6-67G Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:24 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



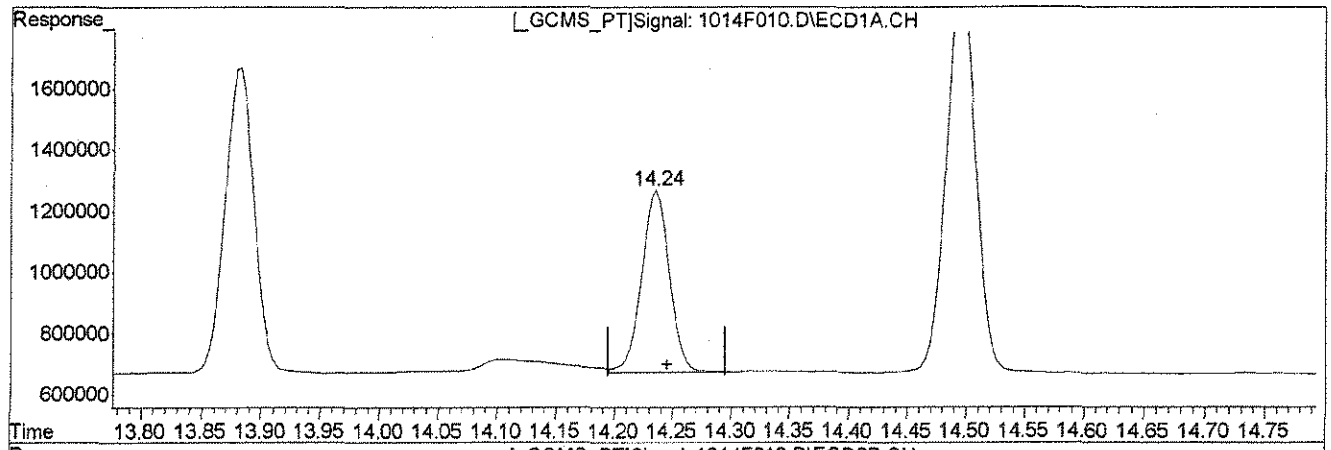


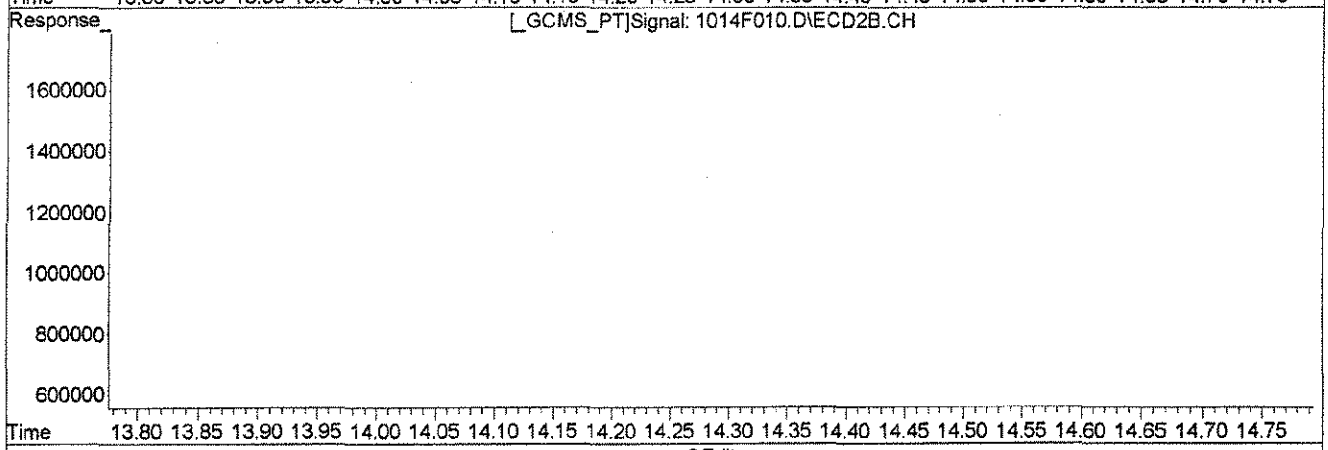
A 10/15/10
10/15/10

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F010.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\101410\1014F010.D\ECD2B.CH
Acq On : 14 Oct 2010 8:44 pm Operator: CCotnam
Sample : 8081 @ 40ppb GCPS6-67G Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:23 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(24) Methoxychlor
14.24min 39.259ug/L
response 997882

(24) Methoxychlor #2
13.76min 39.048ug/L
response 4483918

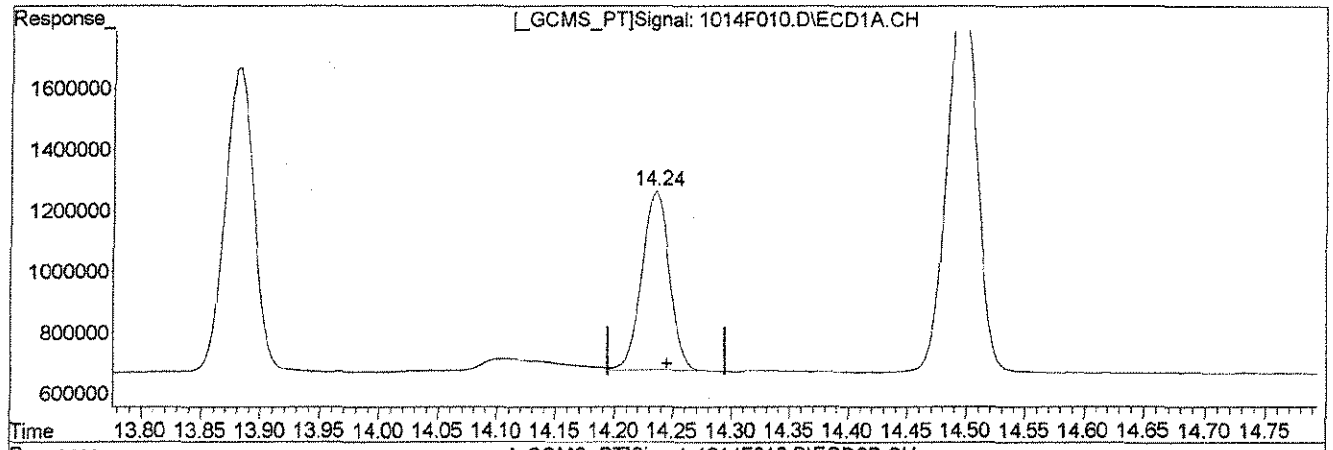
Manual Integration:
Before

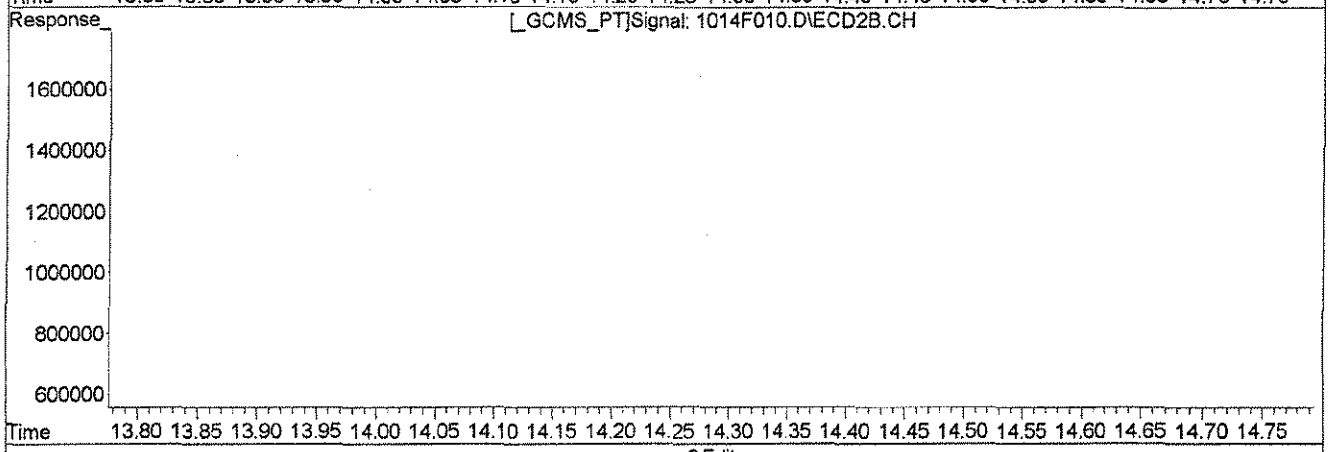
(+) = Expected Retention Time
1014F010.D IS-GC23-101410-8081.M Fri Oct 15 10:24:41 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F010.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\101410\1014F010.D\ECD2B.CH
Acq On : 14 Oct 2010 8:44 pm Operator: CCotnam
Sample : 8081 @ 40ppb GCPS6-67G Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:23 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(24) Methoxychlor
14.24min 37.981ug/L m
response 965383

(24) Methoxychlor #2
13.76min 39.048ug/L
response 4483918

Manual Integration:
After
Baseline/Shoulder
10/15/10

10/15/10

(+) = Expected Retention Time
1014F010.D IS-GC23-101410-8081.M Fri Oct 15 10:24:47 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F011.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\101410\1014F011.D\ECD2B.CH
Acq On : 14 Oct 2010 9:11 pm Operator: CCotnam
Sample : HCB ICV @ 40ppb GCPS6-64K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:23:59 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
1) i	1-Bromo-2-nitrob	5.84	5.57	2102168	10774752	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
4)	Hexachlorobenzen	8.95	7.98	1990243	12143840	37.303	36.980

10/15/10

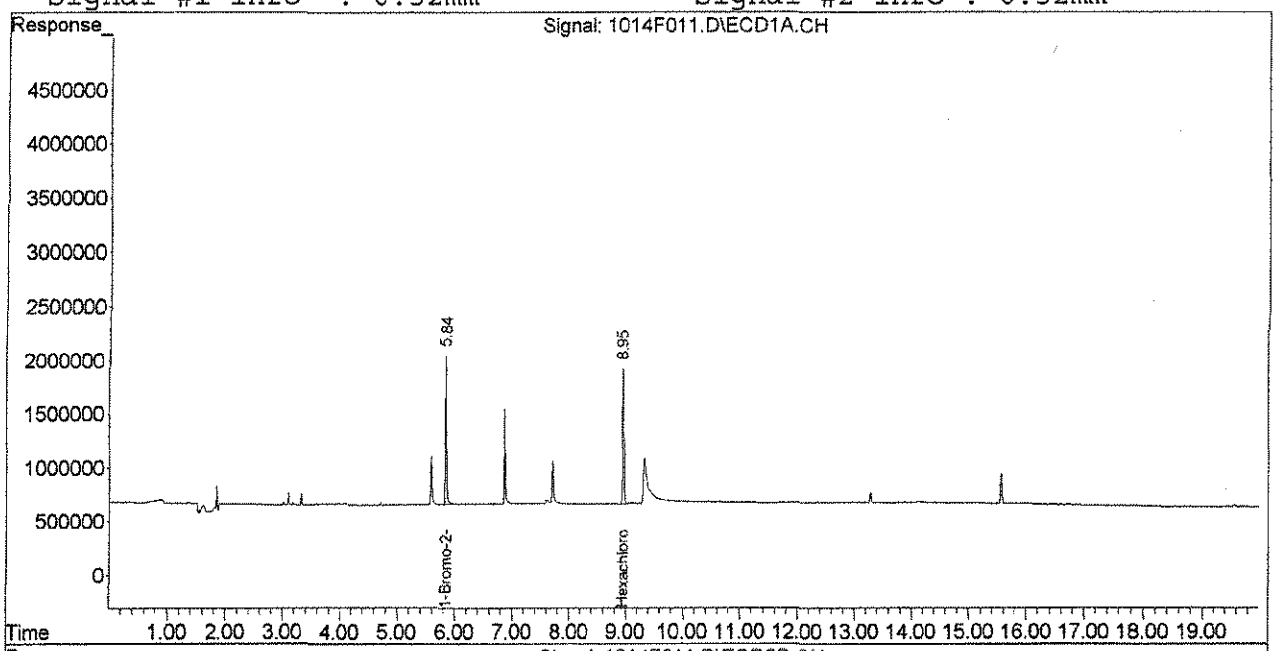
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

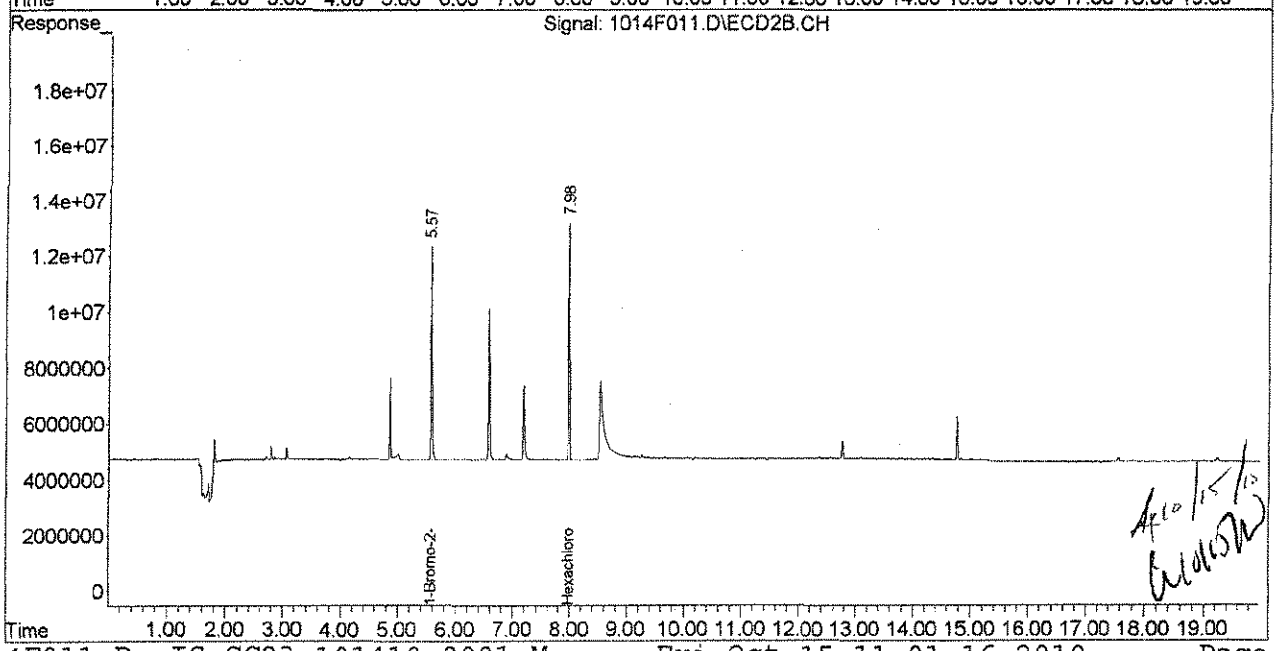
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F011.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\101410\1014F011.D\ECD2B.CH
Acq On : 14 Oct 2010 9:11 pm Operator: CCotnam
Sample : HCB ICV @ 40ppb GCPS6-64K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:25 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F012.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\101410\1014F012.D\ECD2B.CH
Acq On : 14 Oct 2010 9:38 pm Operator: CCotnam
Sample : TOX @ 100ppb GCPS6-71N Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:45 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
26)	1-Bromo-2-nitrob	5.83	5.56	2064633	10397883	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
27)	Toxaphene	12.66	12.38	30036	380003	159.573	89.615 #
28)	Toxaphene {2}	12.95	12.45	71384	284276	407.409m	93.317m#
29)	Toxaphene {3}	13.62	12.65	46841	156508	199.148m	102.999 #
30)	Toxaphene {4}	13.86	12.89	84275	249637	148.986	98.008 #
31)	Toxaphene {5}	14.37	13.10	65963	148846	314.005m	89.056m#
32)	Toxaphene {6}	14.55	13.58	103618	360023	492.814	93.442 #

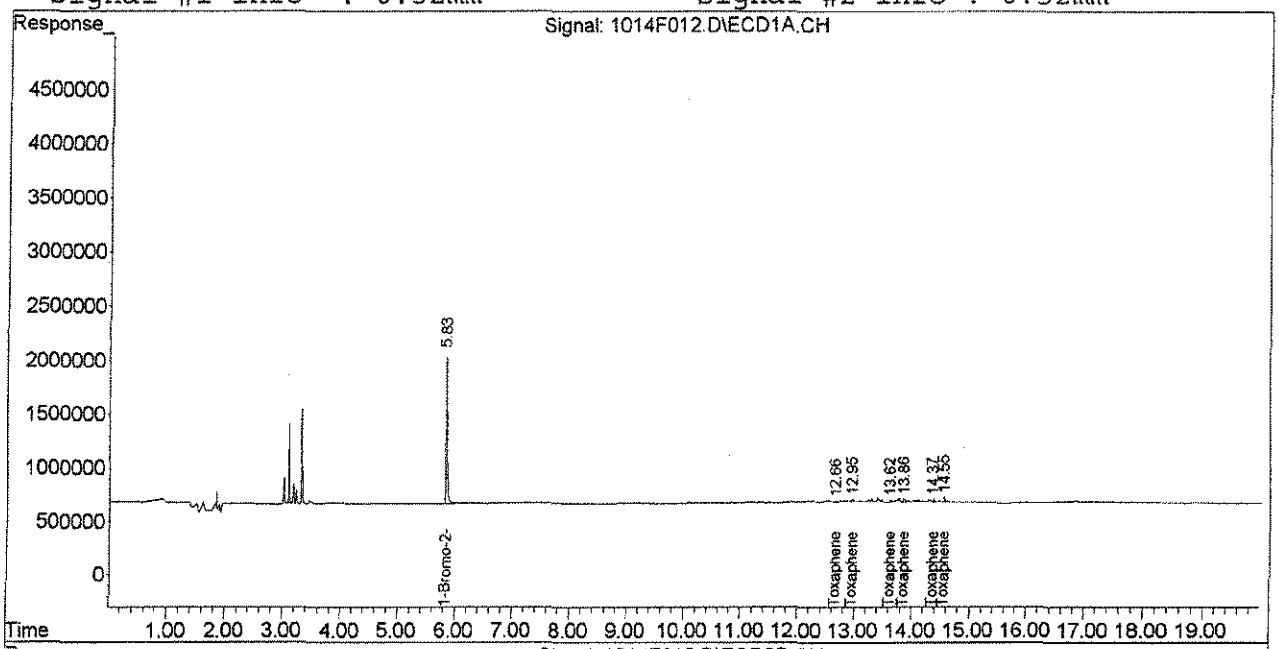
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

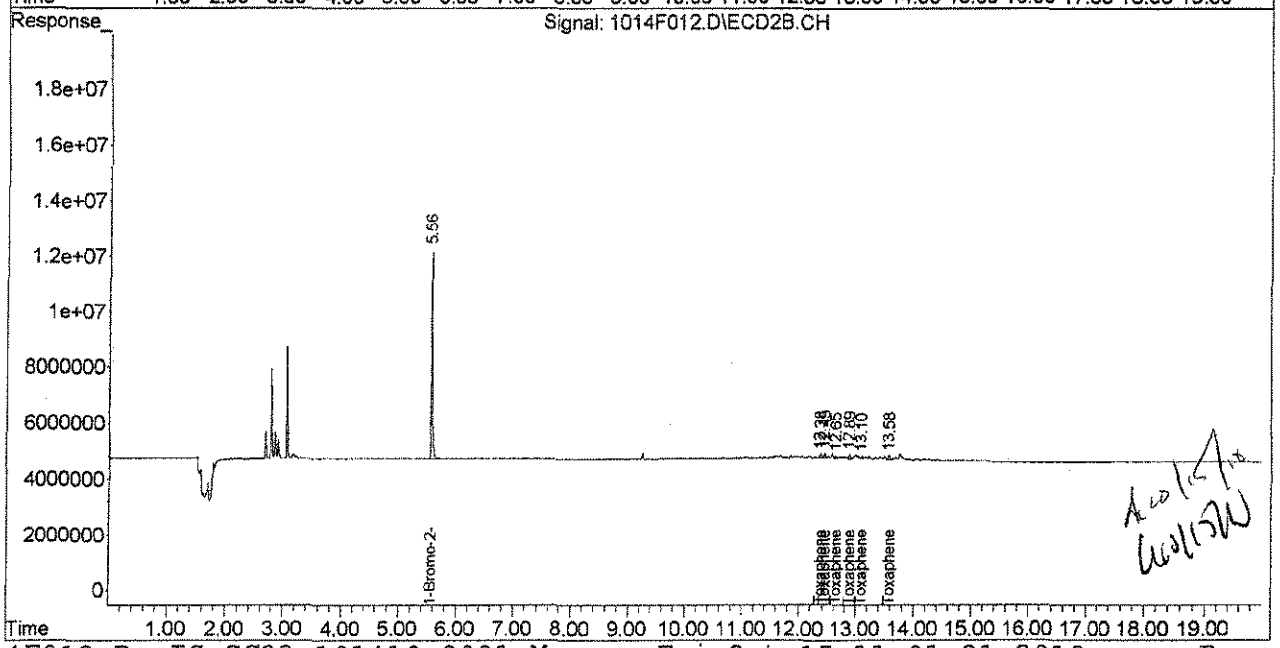
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F012.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\101410\1014F012.D\ECD2B.CH
Acq On : 14 Oct 2010 9:38 pm Operator: CCotnam
Sample : TOX @ 100ppb GCPS6-71N Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:26 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

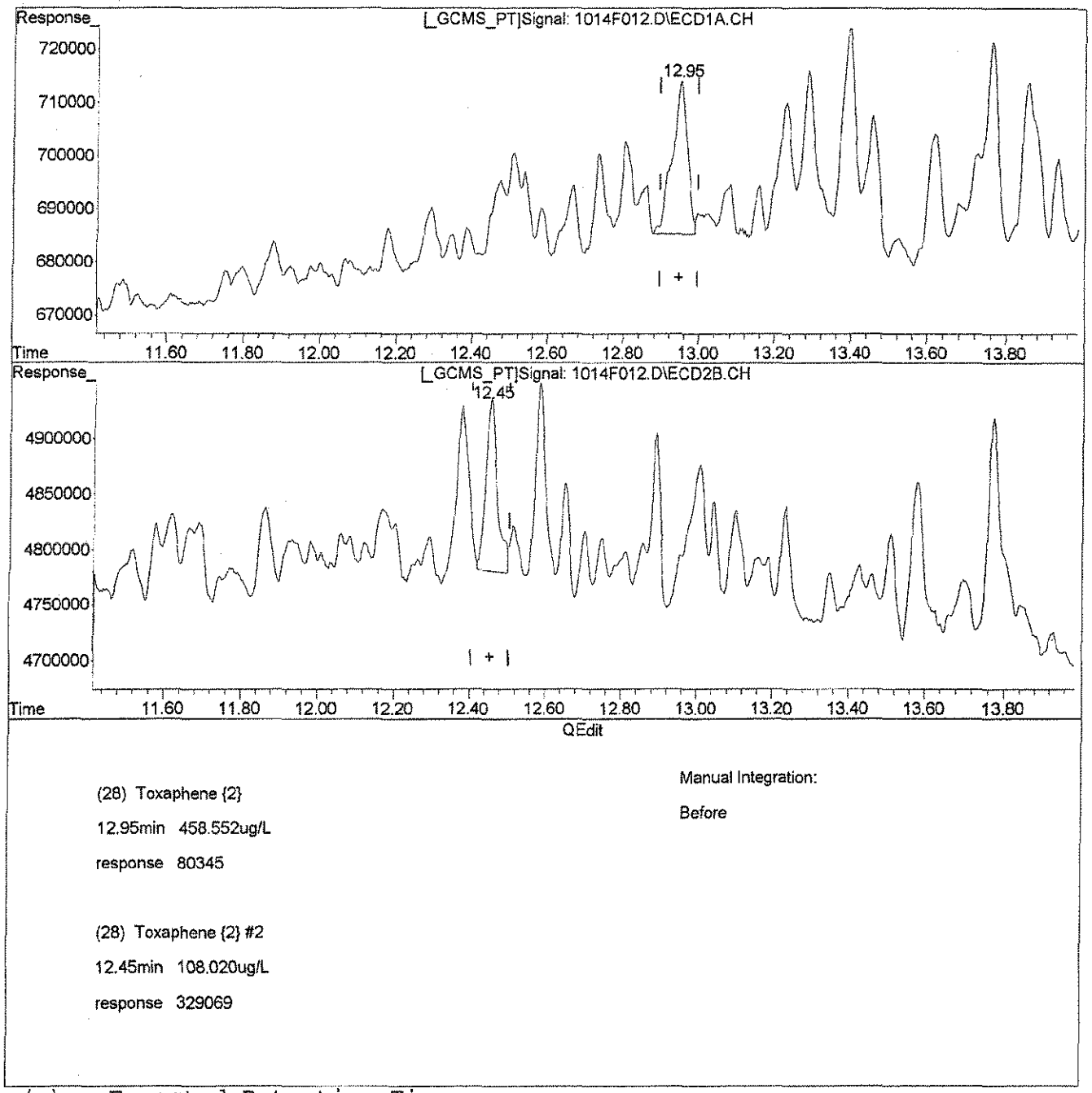




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F012.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\101410\1014F012.D\ECD2B.CH
Acq On : 14 Oct 2010 9:38 pm Operator: CCotnam
Sample : TOX @ 100ppb GCPS6-71N Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration

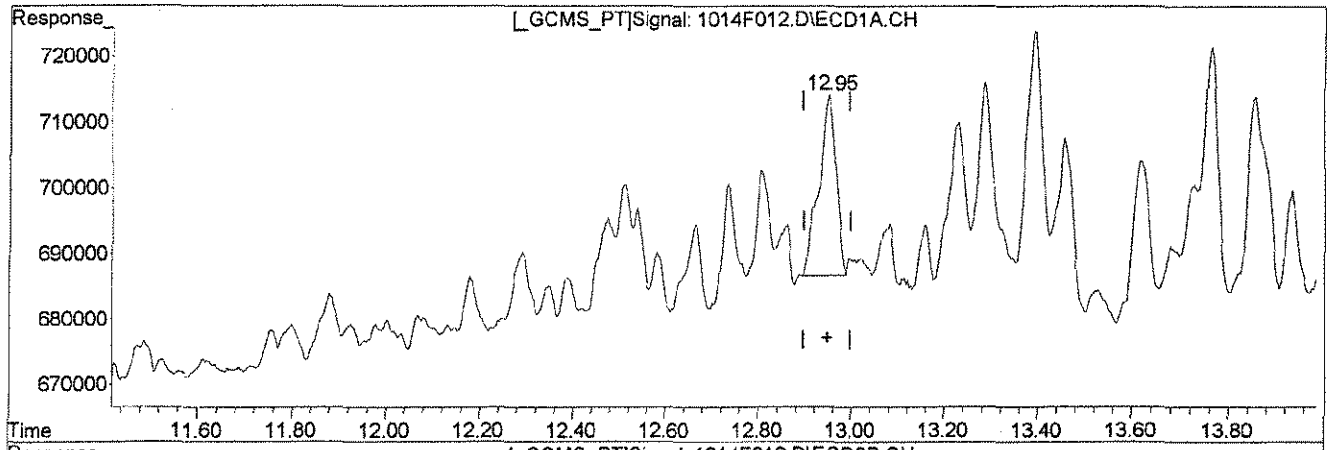


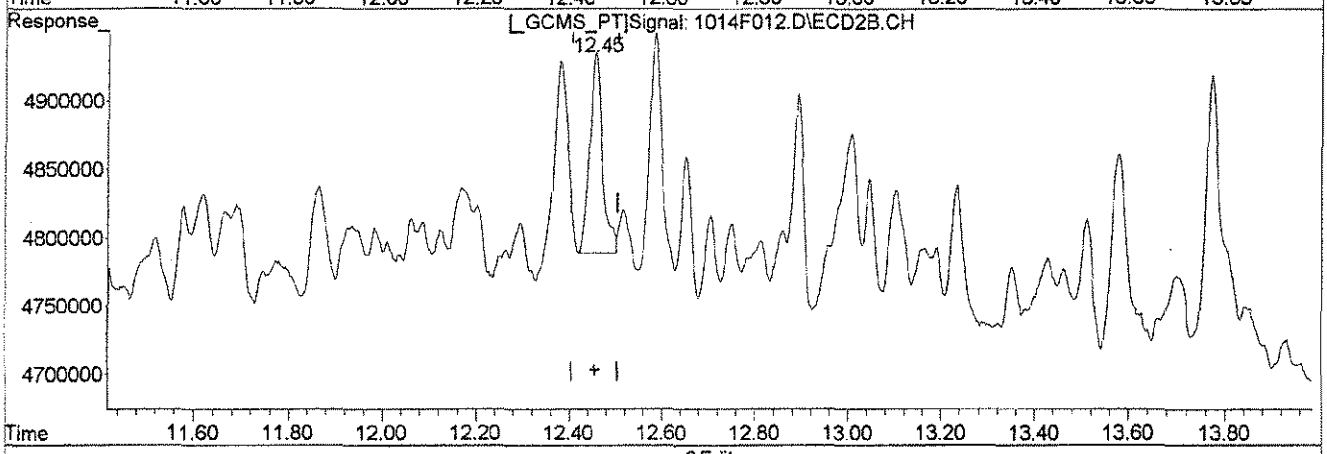
(+) = Expected Retention Time
1014F012.D IS-GC23-101410-8081.M Fri Oct 15 10:25:36 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F012.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\101410\1014F012.D\ECD2B.CH
Acq On : 14 Oct 2010 9:38 pm Operator: CCotnam
Sample : TOX @ 100ppb GCPS6-71N Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}
12.95min 407.409ug/L m
response 71384

(28) Toxaphene {2} #2
12.45min 93.317ug/L m
response 284276

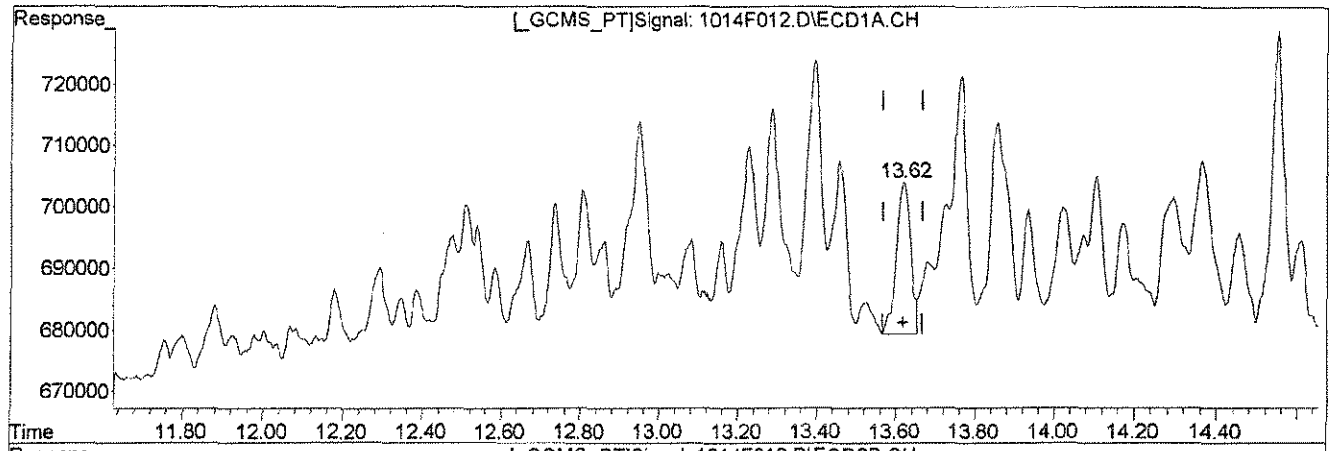
Manual Integration:
After
Baseline/Shoulder
10/15/10

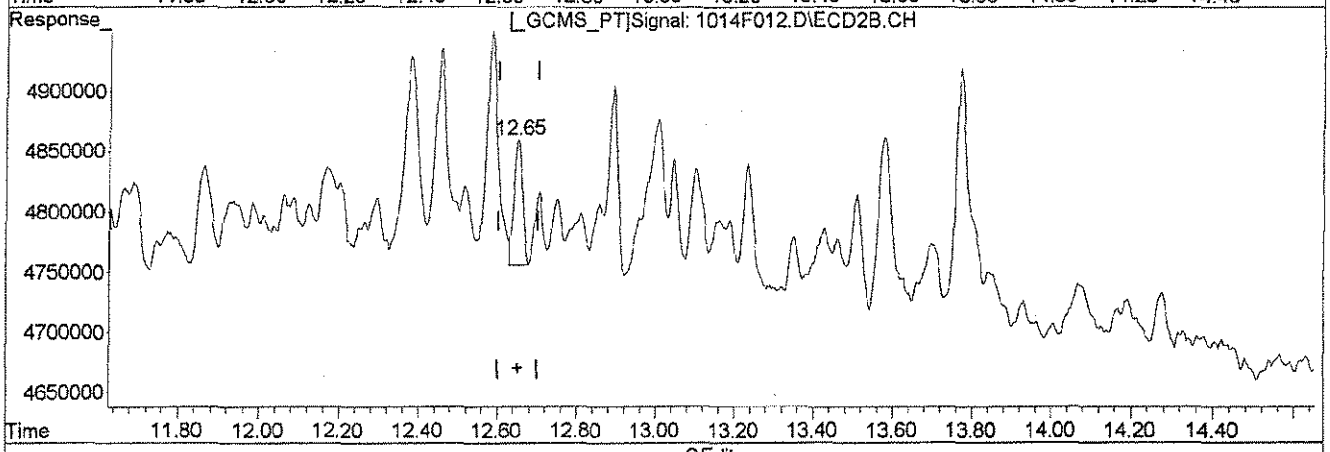
(+) = Expected Retention Time
1014F012.D IS-GC23-101410-8081.M Fri Oct 15 10:25:48 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F012.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\101410\1014F012.D\ECD2B.CH
Acq On : 14 Oct 2010 9:38 pm Operator: CCotnam
Sample : TOX @ 100ppb GCPS6-71N Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene {3}

13.62min 267.785ug/L

response 62985

(29) Toxaphene {3} #2

12.65min 102.999ug/L

response 156508

Manual Integration:

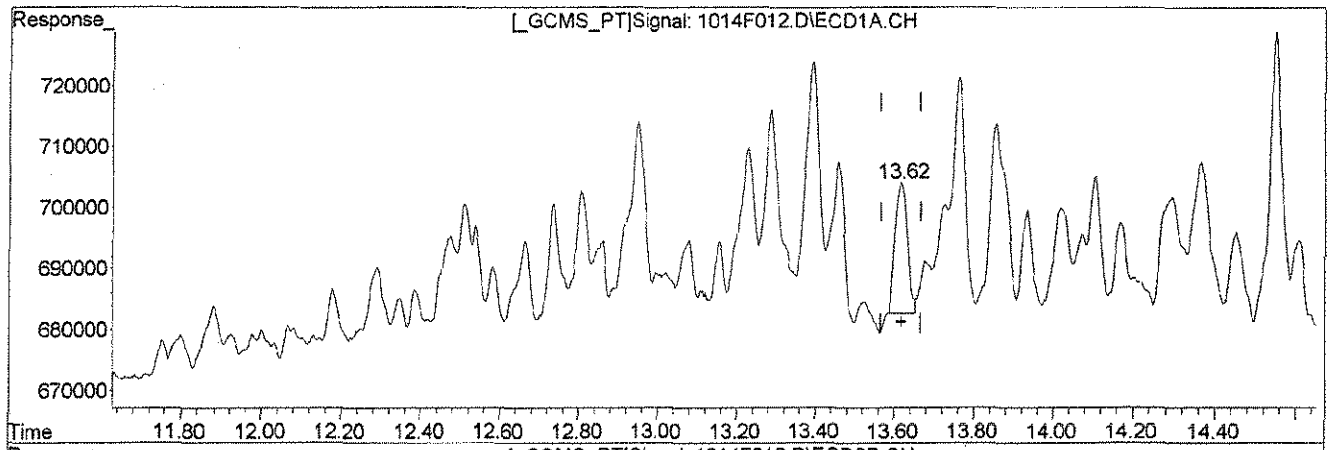
Before

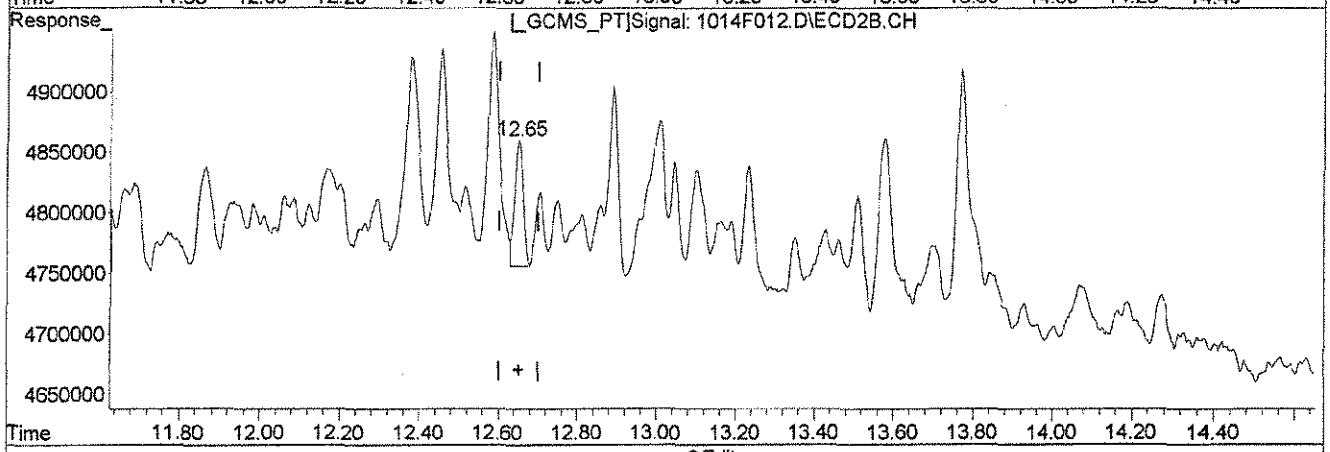
(+) = Expected Retention Time
1014F012.D IS-GC23-101410-8081.M Fri Oct 15 10:25:52 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F012.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\101410\1014F012.D\ECD2B.CH
Acq On : 14 Oct 2010 9:38 pm Operator: CCotnam
Sample : TOX @ 100ppb GCPS6-71N Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene {3}
13.62min 199.148ug/L m
response 46841

(29) Toxaphene {3} #2
12.65min 102.999ug/L
response 156508

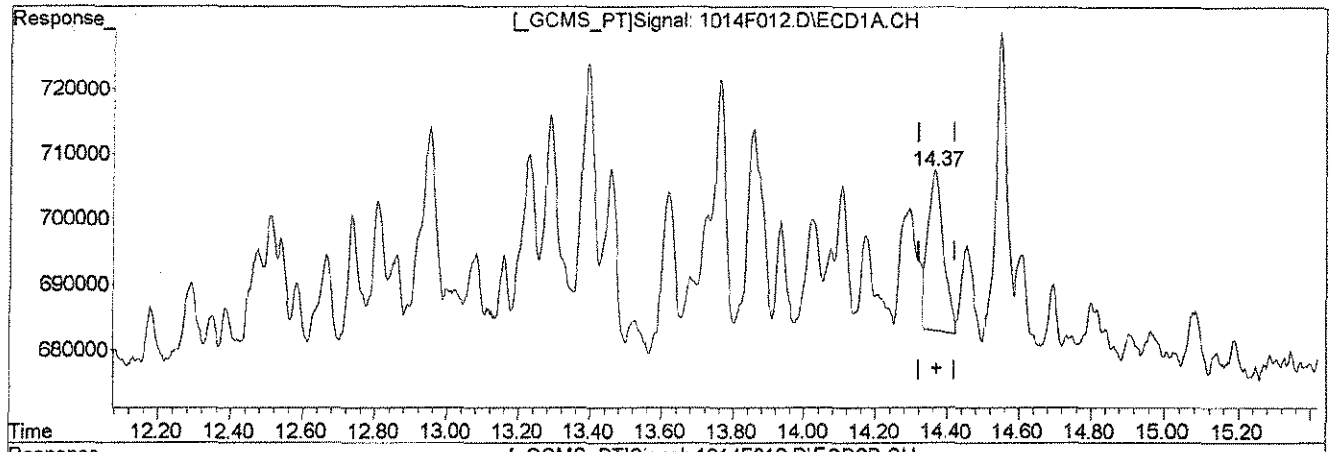
Manual Integration:
After
Baseline/Shoulder
10/15/10

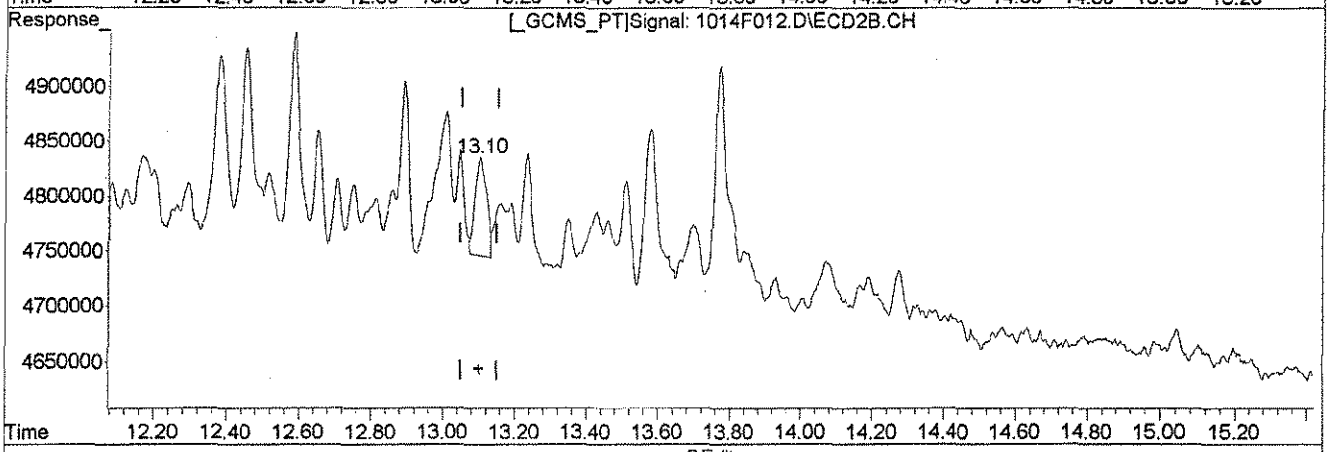
(+) = Expected Retention Time
1014F012.D IS-GC23-101410-8081.M Fri Oct 15 10:26:00 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F012.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\101410\1014F012.D\ECD2B.CH
Acq On : 14 Oct 2010 9:38 pm Operator: CCotnam
Sample : TOX @ 100ppb GCPS6-71N Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.37min 349.407ug/L

response 73400

(31) Toxaphene {5} #2

13.10min 121.976ug/L

response 203868

Manual Integration:

Before

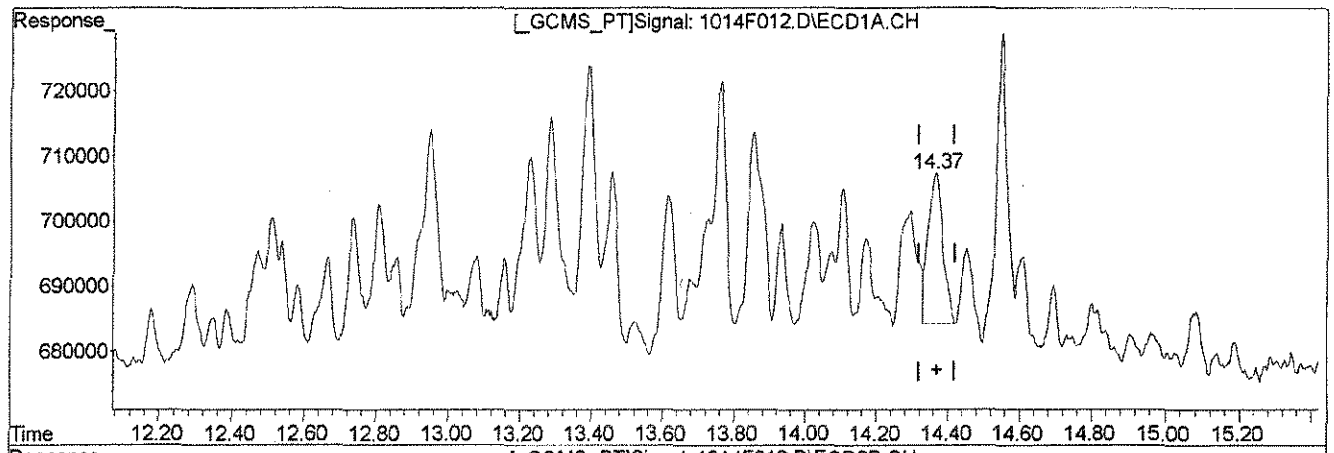
(+) = Expected Retention Time

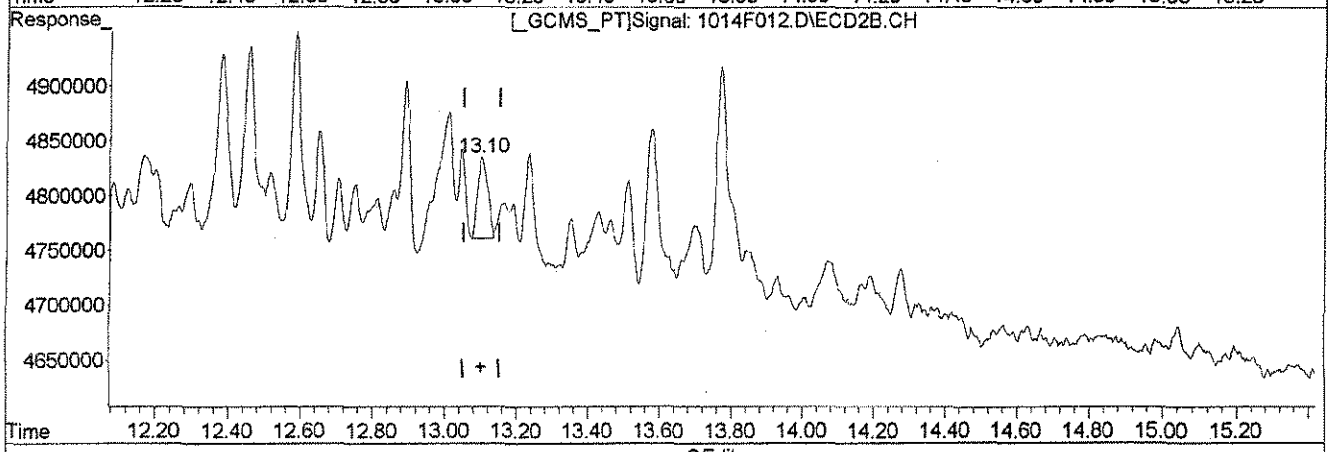
1014F012.D IS-GC23-101410-8081.M Fri Oct 15 10:26:06 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F012.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\101410\1014F012.D\ECD2B.CH
Acq On : 14 Oct 2010 9:38 pm Operator: CCotnam
Sample : TOX @ 100ppb GCPS6-71N Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.37min 314.005ug/L m

response 65963

(31) Toxaphene {5} #2

13.10min 89.056ug/L m

response 148846

Manual Integration:

After

Baseline/Shoulder

10/15/10

10/15/10

(+) = Expected Retention Time

1014F012.D IS-GC23-101410-8081.M Fri Oct 15 10:26:21 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-710 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:46 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
26)	1-Bromo-2-nitrob	5.84	5.57	2118191	10680233	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
27)	Toxaphene	12.67	12.39	77260	929745	400.082	213.462m#
28)	Toxaphene {2}	12.95	12.46	172176	654890	957.811m	209.291m#
29)	Toxaphene {3}	13.62	12.66	141865	345591	587.899	221.424m#
30)	Toxaphene {4}	13.86	12.90	200300	588571	345.147	224.966m#
31)	Toxaphene {5}	14.37	13.10	161954	379742	751.459m	221.197m#
32)	Toxaphene {6}	14.55	13.58	239984	845123	1112.521	213.547 #

10/15/10

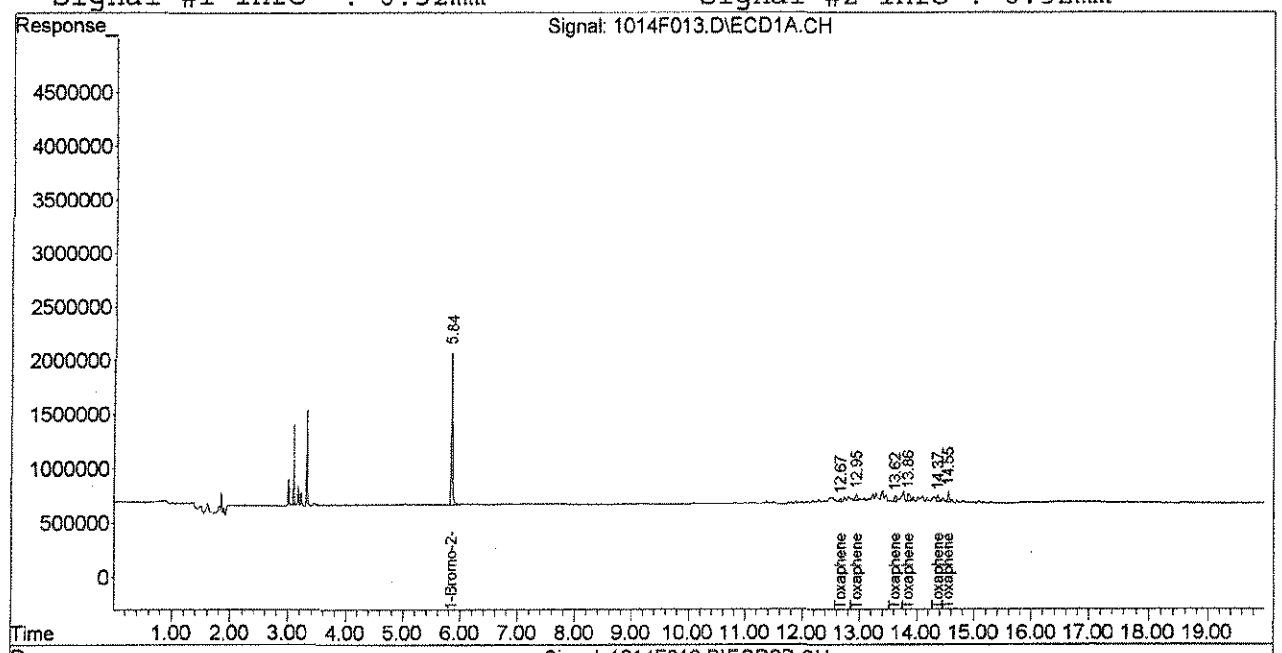
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

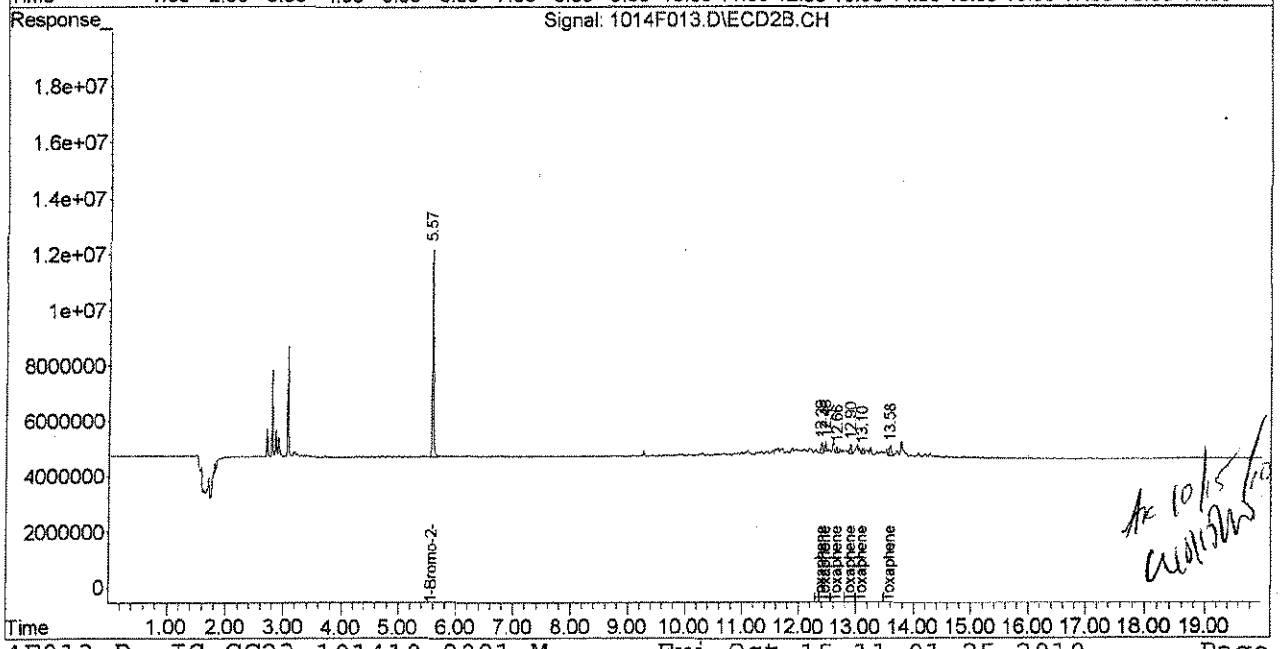
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-710 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:27 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

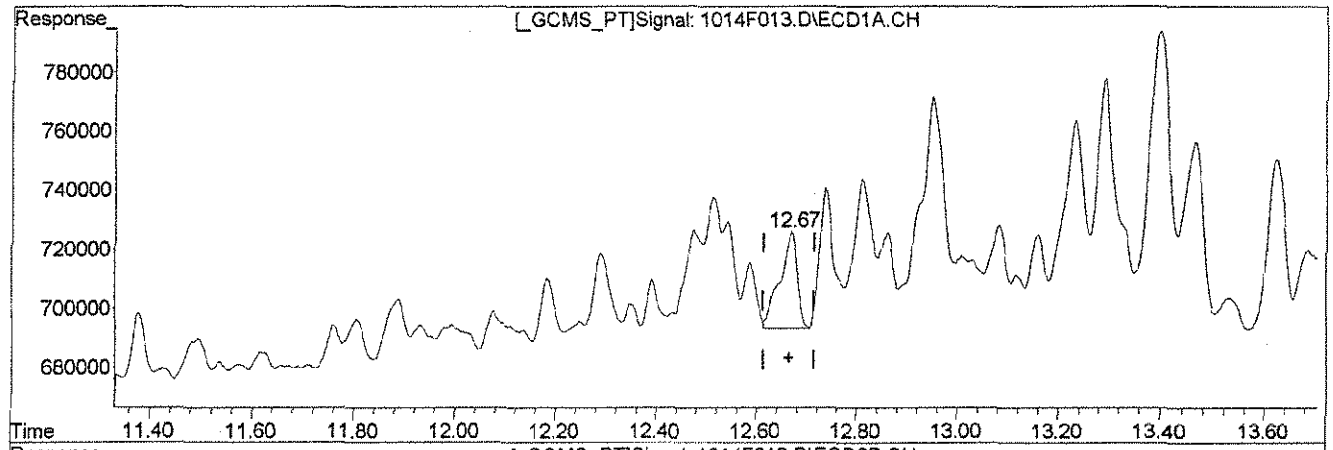


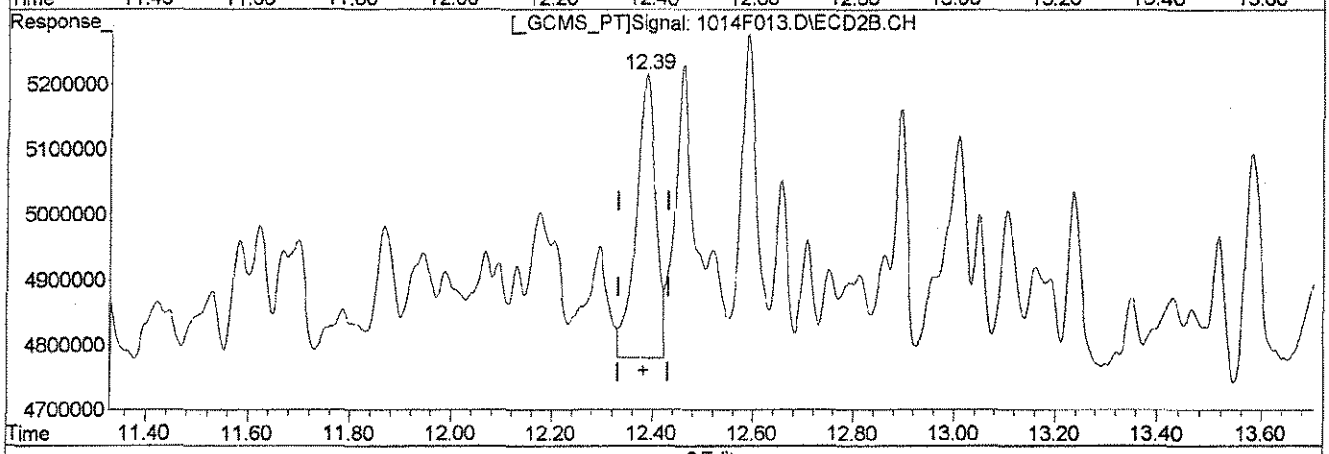


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-710 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(27) Toxaphene

12.67min 400.082ug/L

response 77260

(27) Toxaphene #2

12.39min 267.218ug/L

response 1163878

Manual Integration:

Before

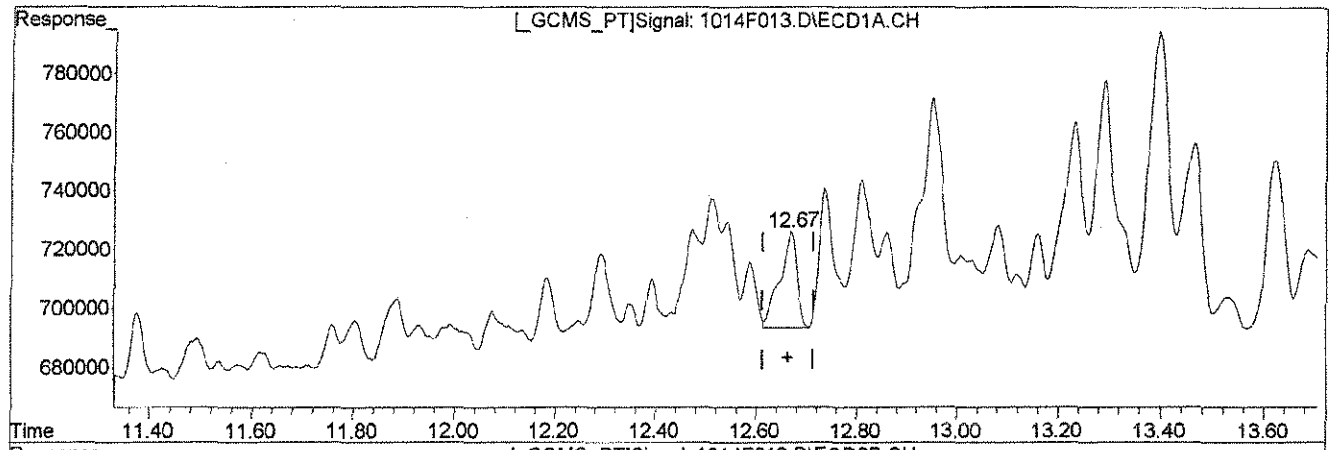
(+) = Expected Retention Time

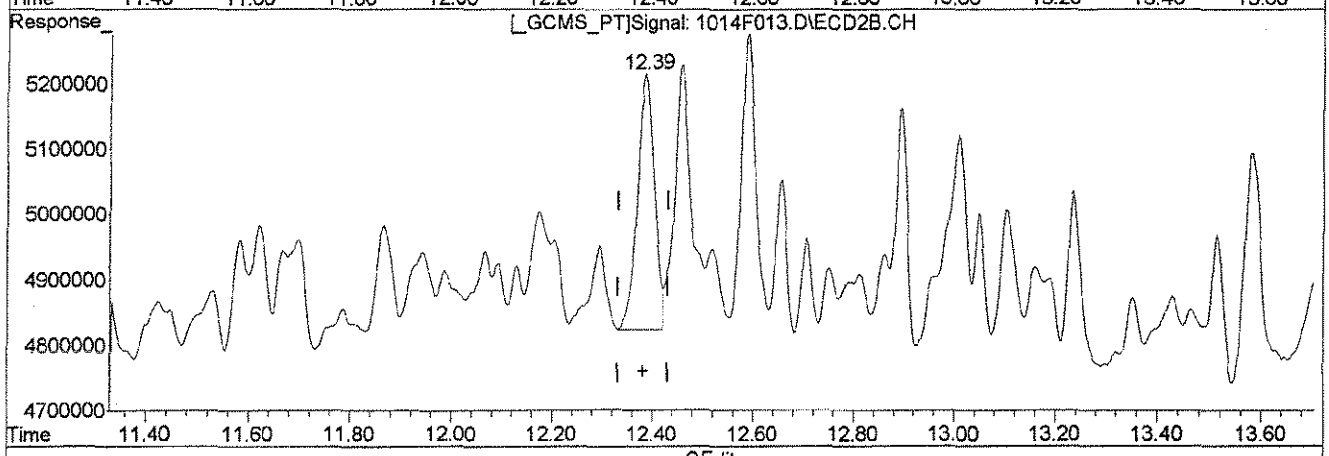
1014F013.D IS-GC23-101410-8081.M Fri Oct 15 10:26:45 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-71O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(27) Toxaphene
12.67min 400.082ug/L
response 77260

(27) Toxaphene #2
12.39min 213.462ug/L m
response 929745

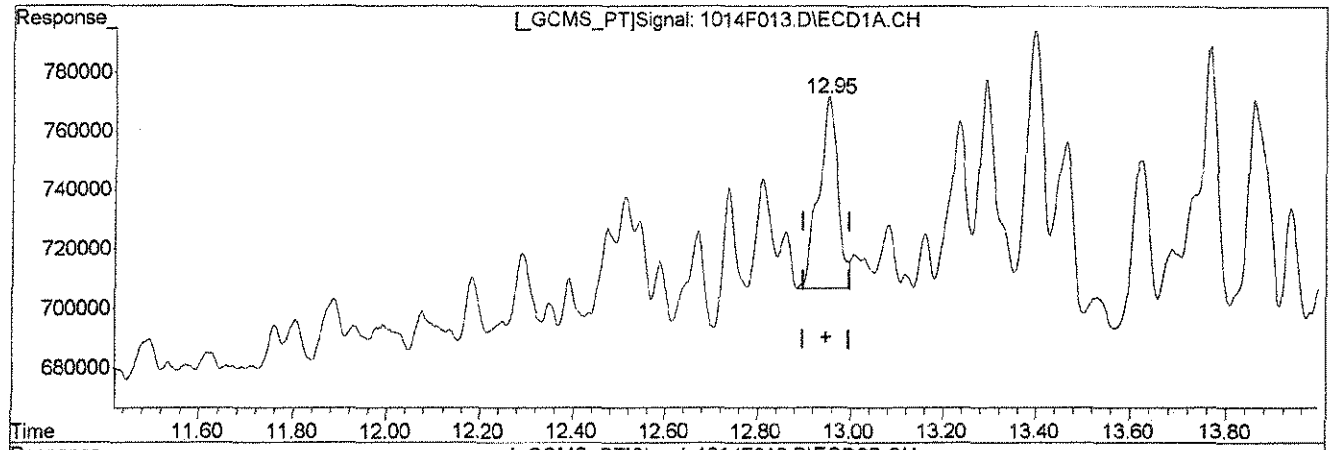
Manual Integration:
After
Baseline/Shoulder
10/15/10 10/15/10

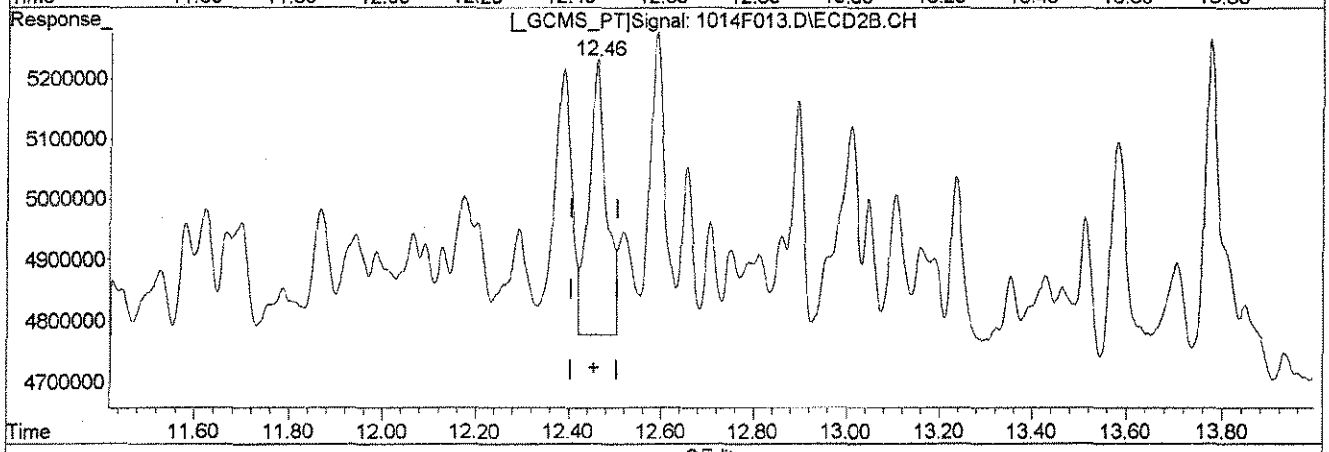
(+) = Expected Retention Time
1014F013.D IS-GC23-101410-8081.M Fri Oct 15 10:26:56 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-71O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.95min 1029.129ug/L

response 184996

(28) Toxaphene {2} #2

12.46min 380.150ug/L

response 1189521

Manual Integration:

Before

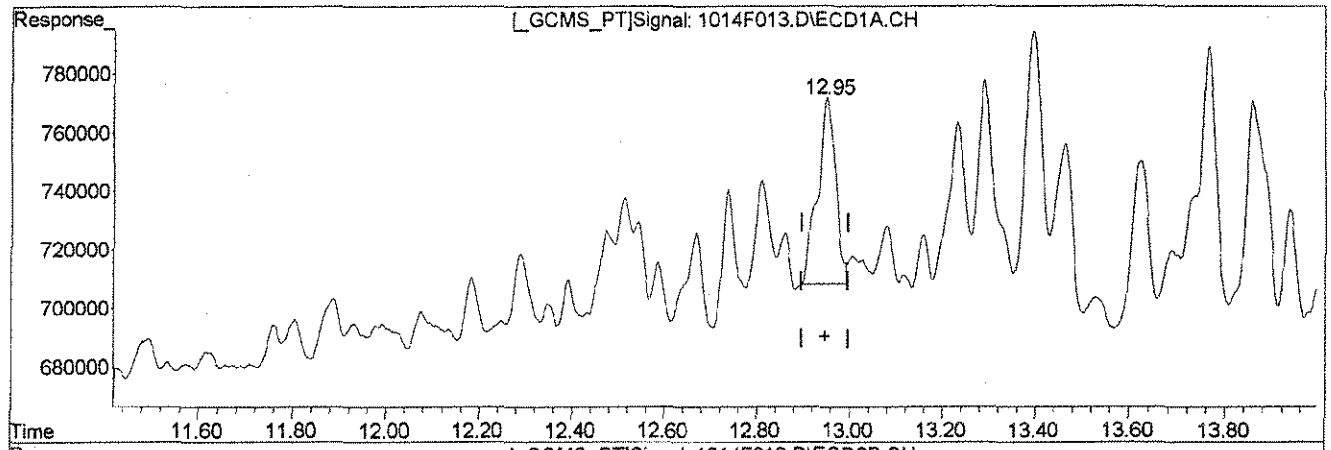
(+) = Expected Retention Time

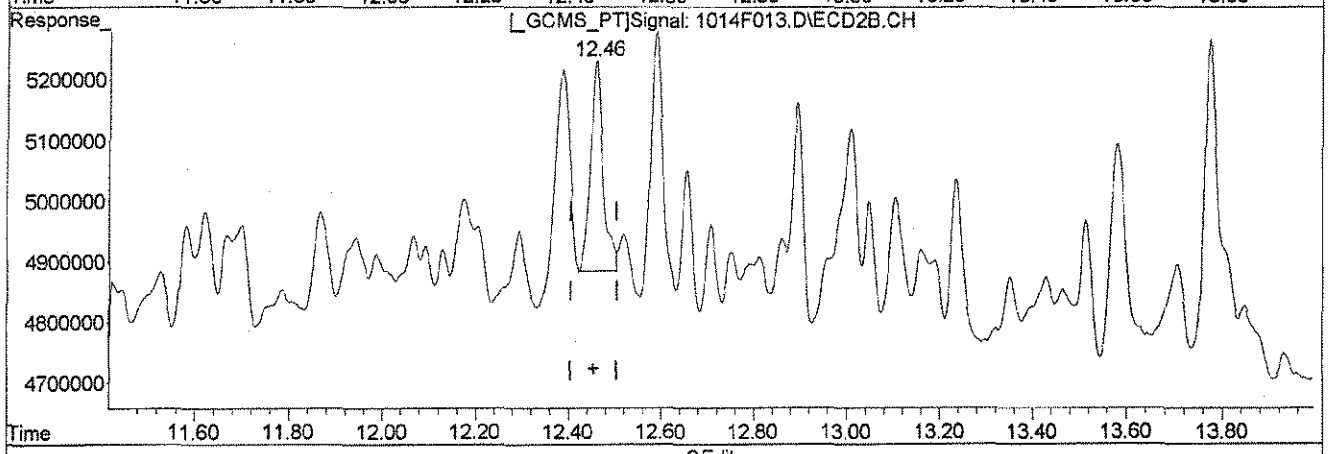
1014F013.D IS-GC23-101410-8081.M Fri Oct 15 10:27:00 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-71O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.95min 957.811ug/L m

response 172176

(28) Toxaphene {2} #2

12.46min 209.291ug/L m

response 654890

Manual Integration:

After

Baseline/Shoulder

10/15/10

10/15/10

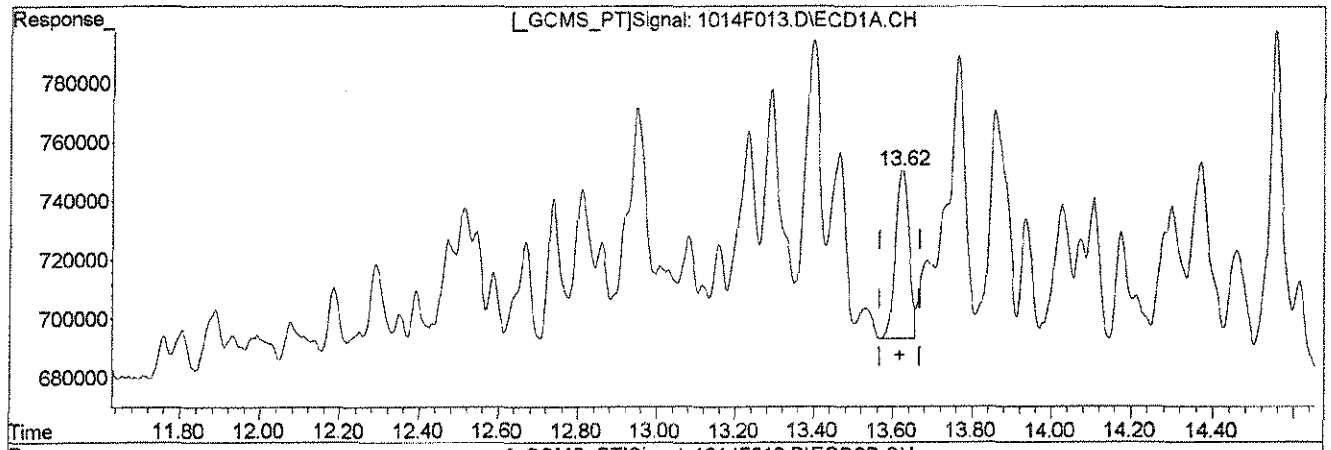
(+) = Expected Retention Time

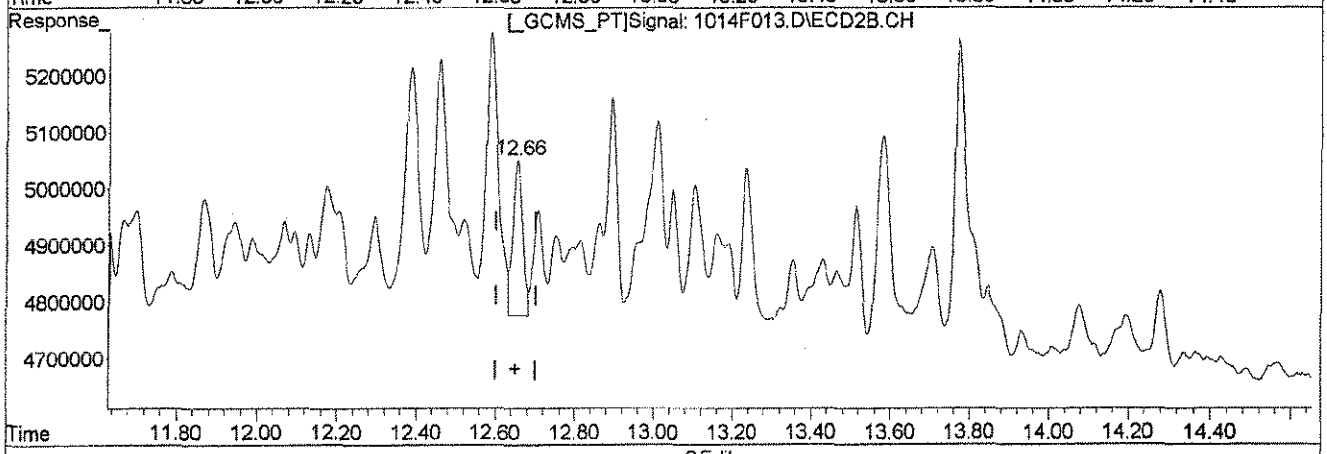
1014F013.D IS-GC23-101410-8081.M Fri Oct 15 10:27:19 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-710 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene {3}

13.62min 587.899ug/L

response 141865

(29) Toxaphene {3} #2

12.66min 301.685ug/L

response 470860

Manual Integration:

Before

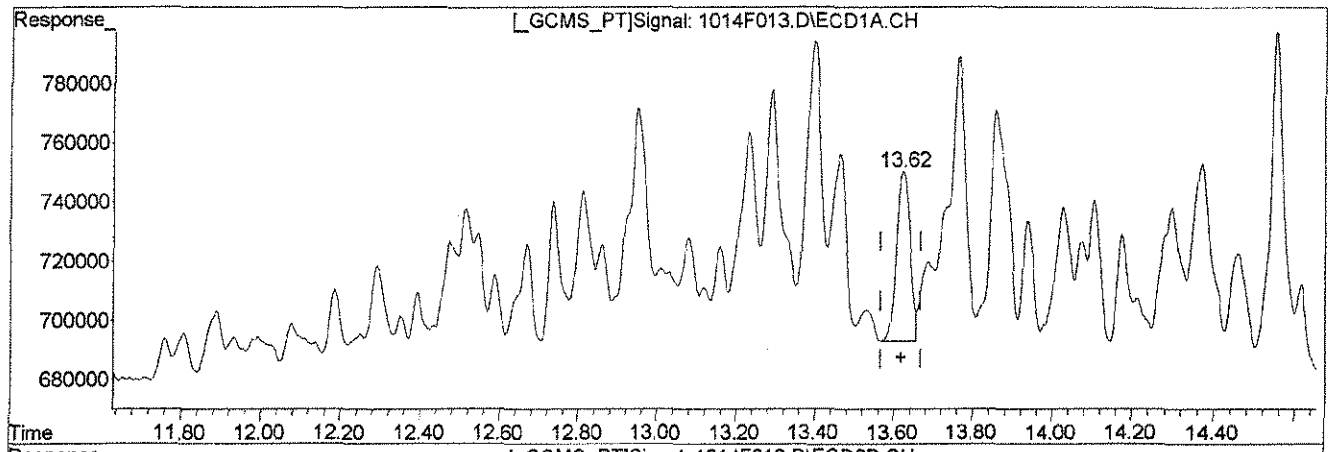
(+) = Expected Retention Time

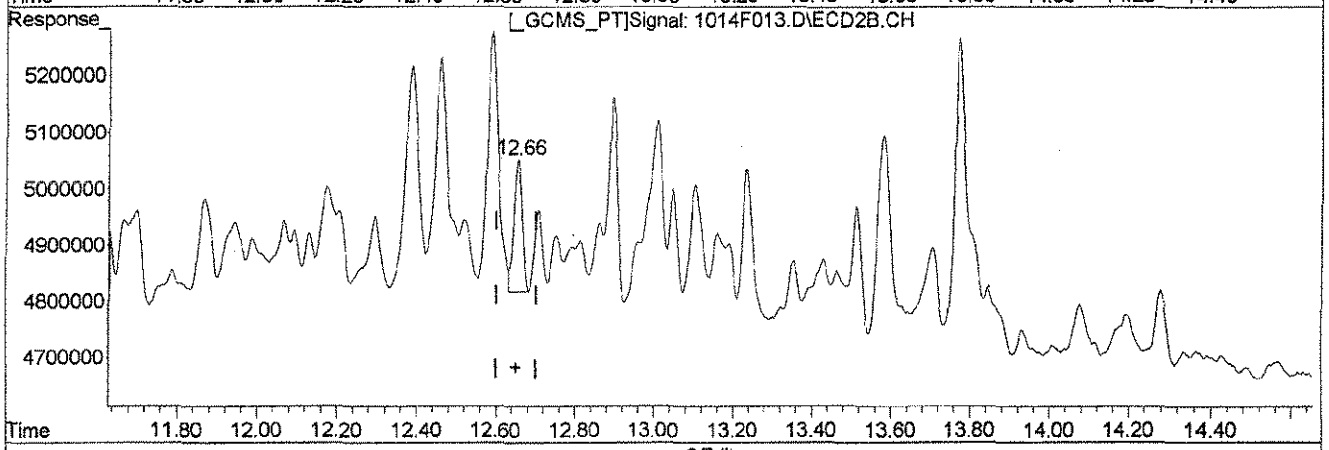
1014F013.D IS-GC23-101410-8081.M Fri Oct 15 10:27:23 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-710 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene {3}
13.62min 587.899ug/L
response 141865

(29) Toxaphene {3} #2
12.66min 221.424ug/L m
response 345591

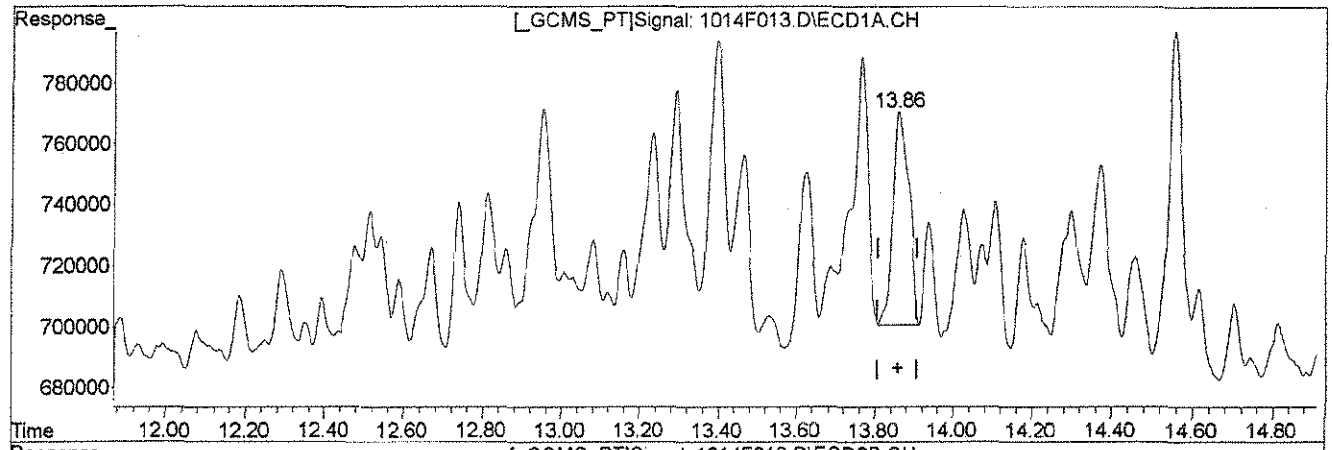
Manual Integration:
After
Baseline/Shoulder
10/15/10

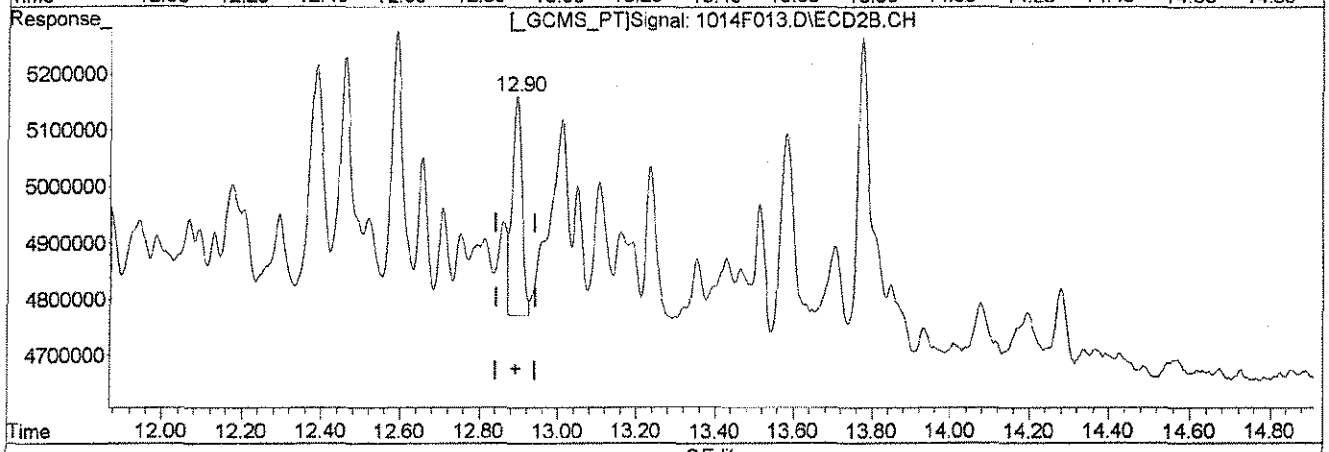
(+) = Expected Retention Time
1014F013.D IS-GC23-101410-8081.M Fri Oct 15 10:27:29 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-710 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(30) Toxaphene {4}

13.86min 345.147ug/L

response 200300

(30) Toxaphene {4} #2

12.90min 257.003ug/L

response 672390

Manual Integration:

Before

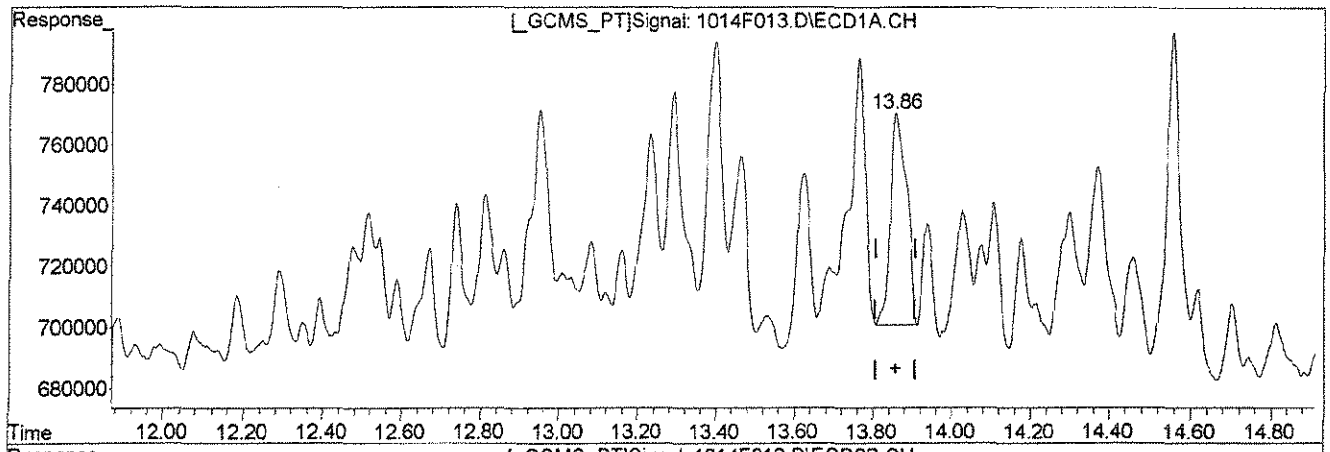
(+) = Expected Retention Time

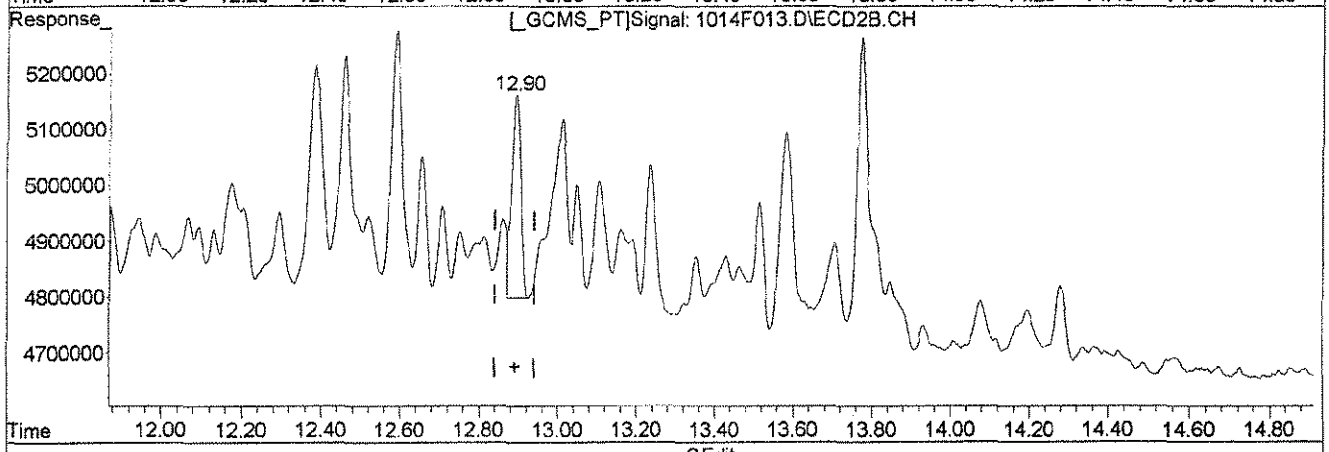
1014F013.D IS-GC23-101410-8081.M Fri Oct 15 10:27:33 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-710 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(30) Toxaphene {4}

13.86min 345.147ug/L

response 200300

(30) Toxaphene {4} #2

12.90min 224.966ug/L m

response 588571

Manual Integration:

After

Baseline/Shoulder

10/15/10

AH 10/15/10

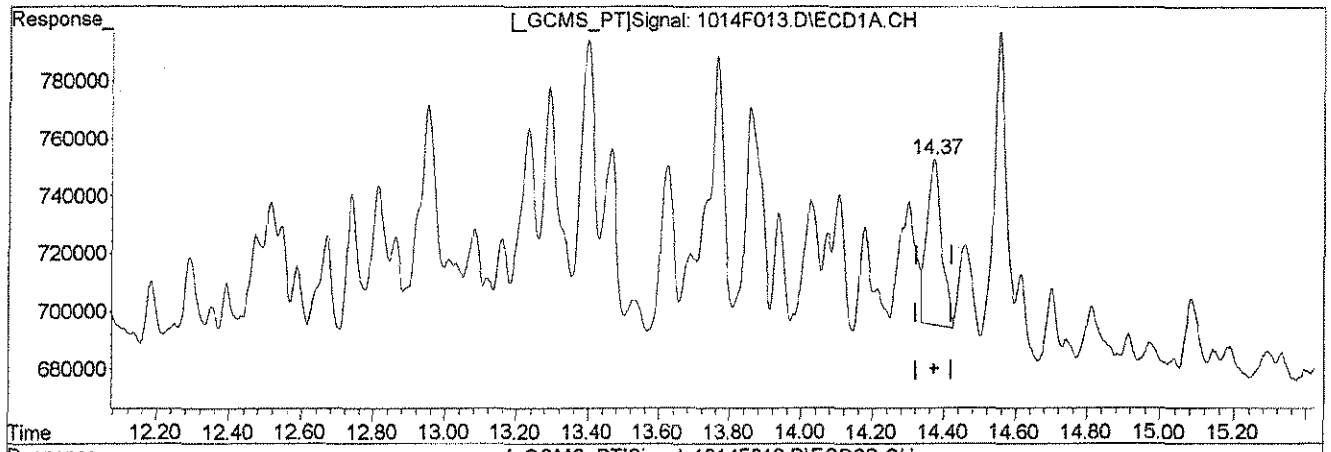
(+) = Expected Retention Time

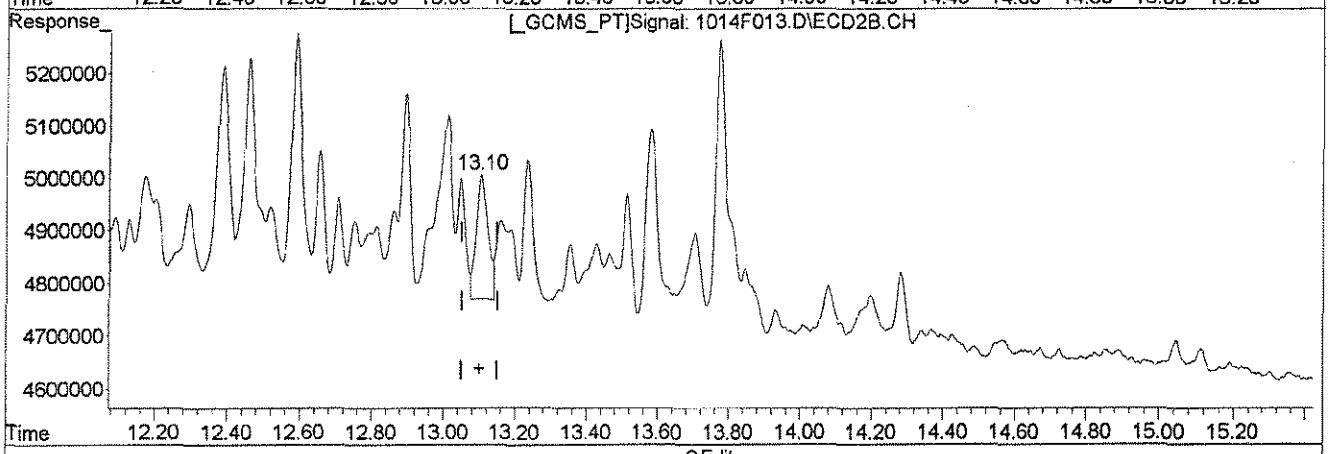
1014F013.D IS-GC23-101410-8081.M Fri Oct 15 10:27:43 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-71O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.37min 792.592ug/L

response 170819

(31) Toxaphene {5} #2

13.10min 323.389ug/L

response 555182

Manual Integration:

Before

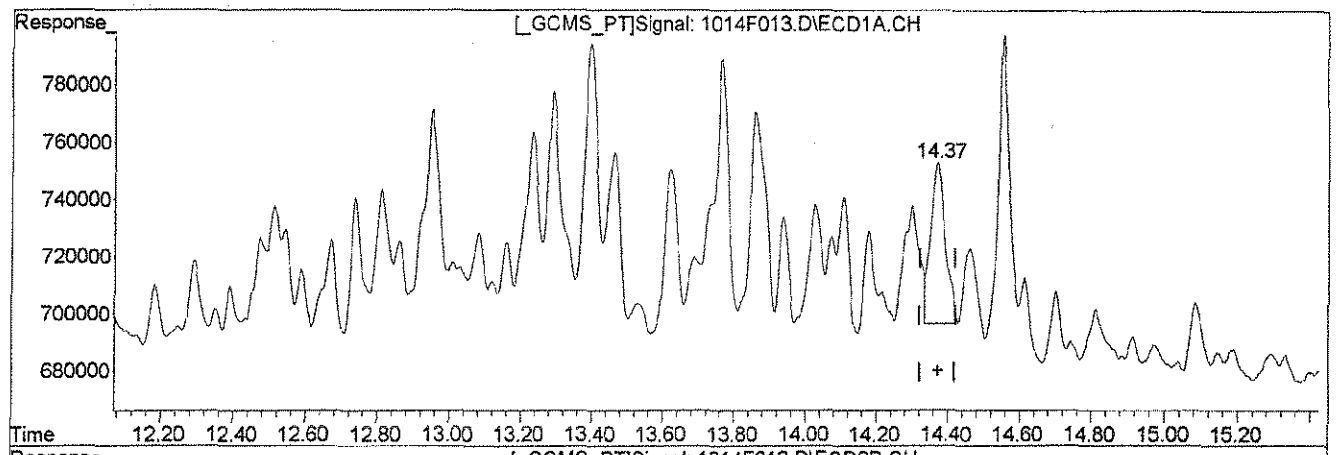
(+) = Expected Retention Time

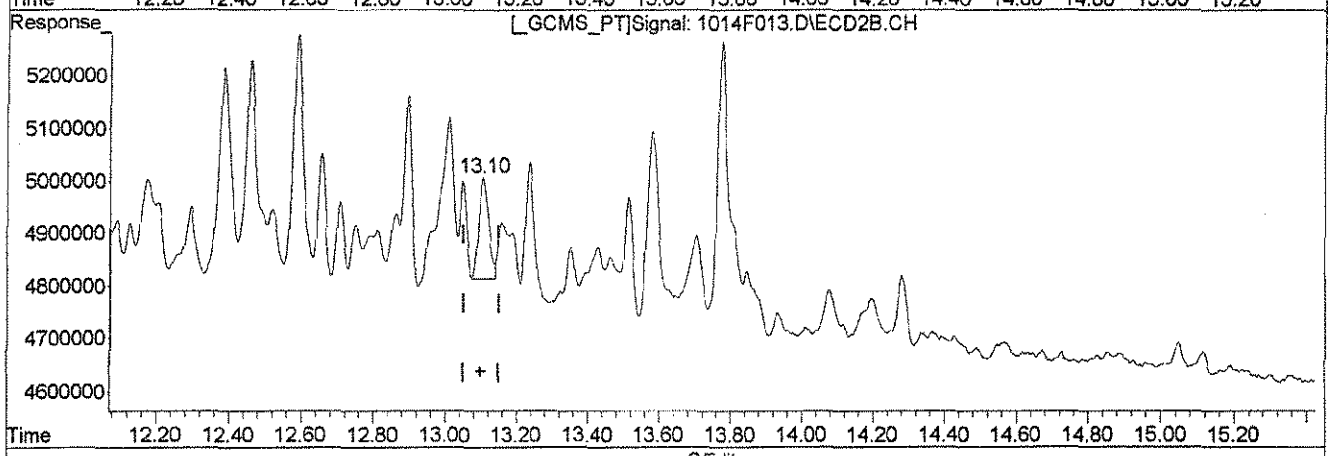
1014F013.D IS-GC23-101410-8081.M Fri Oct 15 10:27:47 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F013.D\ECD1A.CH Vial: 13
Signal #2 : J:\GC23\DATA\101410\1014F013.D\ECD2B.CH
Acq On : 14 Oct 2010 10:05 pm Operator: CCotnam
Sample : TOX @ 250ppb GCPS6-710 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.37min 751.459ug/L m

response 161954

(31) Toxaphene {5} #2

13.10min 221.197ug/L m

response 379742

Manual Integration:

After

Baseline/Shoulder

10/15/10

(+) = Expected Retention Time

1014F013.D IS-GC23-101410-8081.M Fri Oct 15 10:28:02 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:47 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
26)	1-Bromo-2-nitrob	5.84	5.57	2099409	10617977	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
27)	Toxaphene	12.67	12.39	150752	1953765	787.637	451.200m#
28)	Toxaphene {2}	12.96	12.46	349868	1417017	1963.720m	455.509m#
29)	Toxaphene {3}	13.63	12.66	279775	737639	1169.781	475.384m#
30)	Toxaphene {4}	13.86	12.90	386378	1185090	671.744m	455.625m#
31)	Toxaphene {5}	14.37	13.11	314517	782867	1472.400m	458.688m#
32)	Toxaphene {6}	14.56	13.58	473073	1799908	2212.698m	457.471m#

A 10/15/10
[illegible]

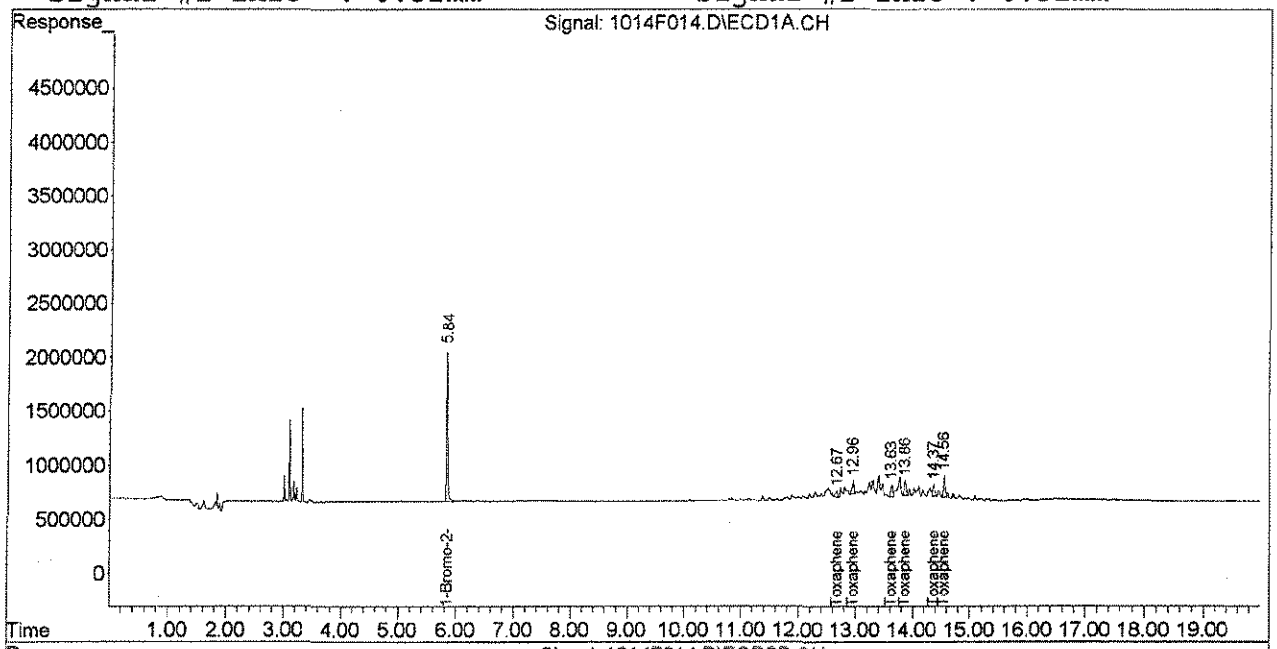
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

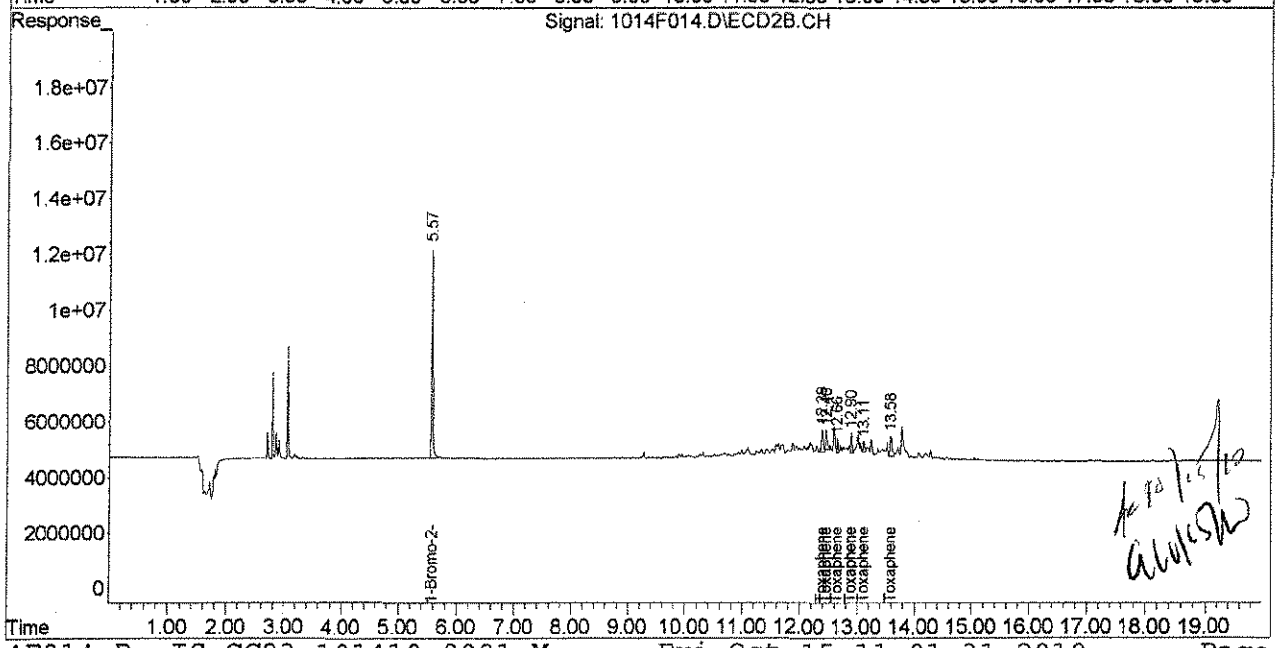
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:29 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

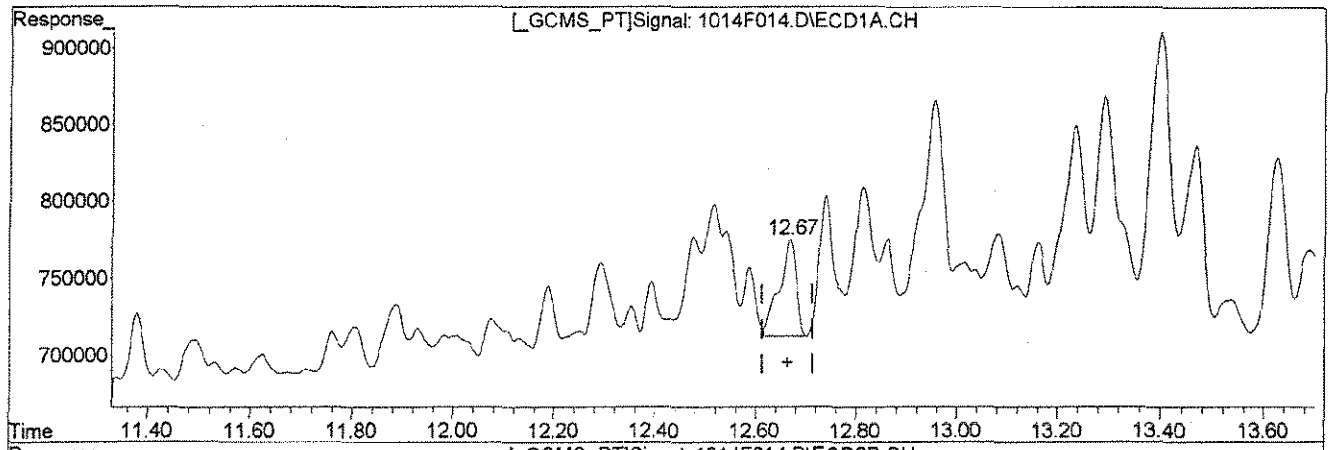


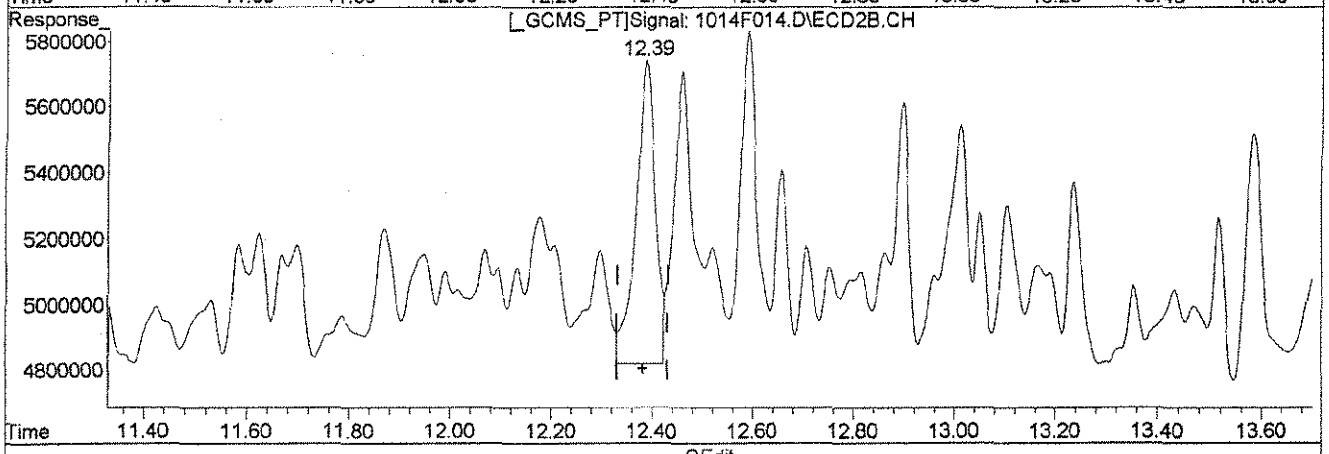


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(27) Toxaphene

12.67min 787.637ug/L

response 150752

(27) Toxaphene #2

12.39min 569.790ug/L

response 2467277

Manual Integration:

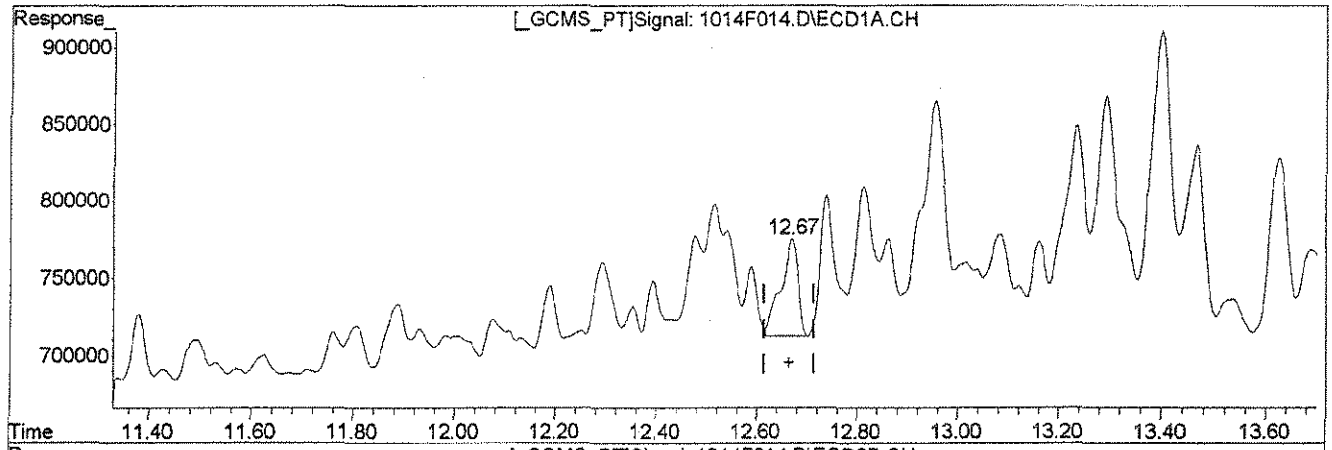
Before

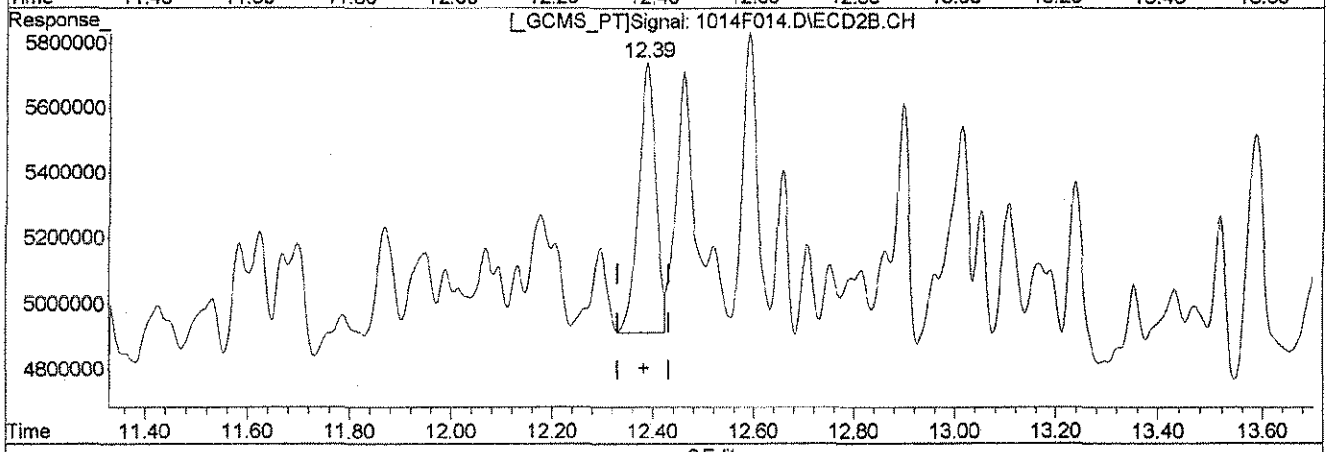
(+) = Expected Retention Time
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:28:23 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(27) Toxaphene
12.67min 787.637ug/L
response 150752

(27) Toxaphene #2
12.39min 451.200ug/L m
response 1953765

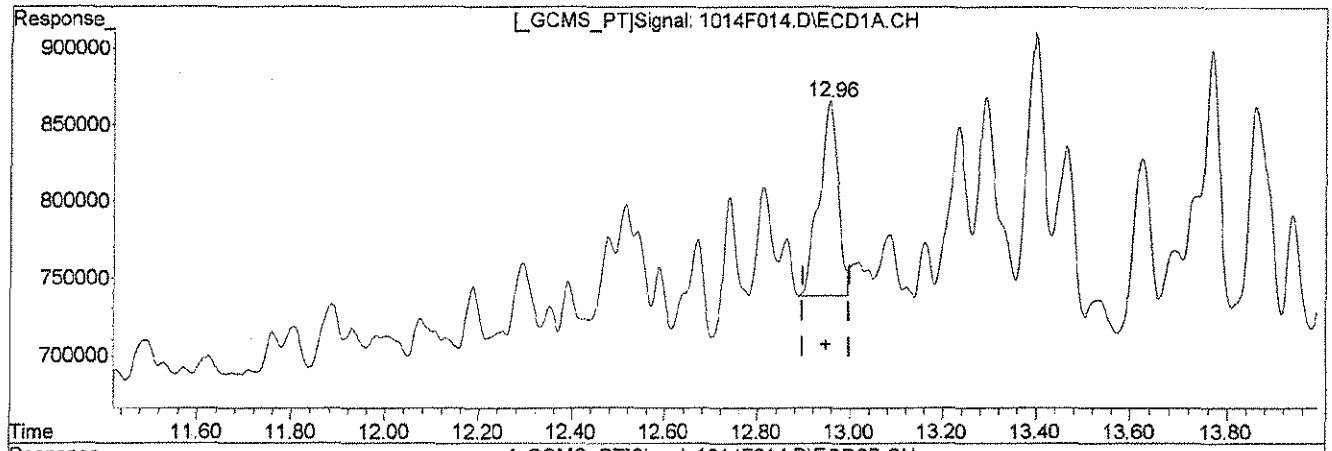
Manual Integration:
After
Baseline/Shoulder
10/15/10 [illegible] 10/15/10

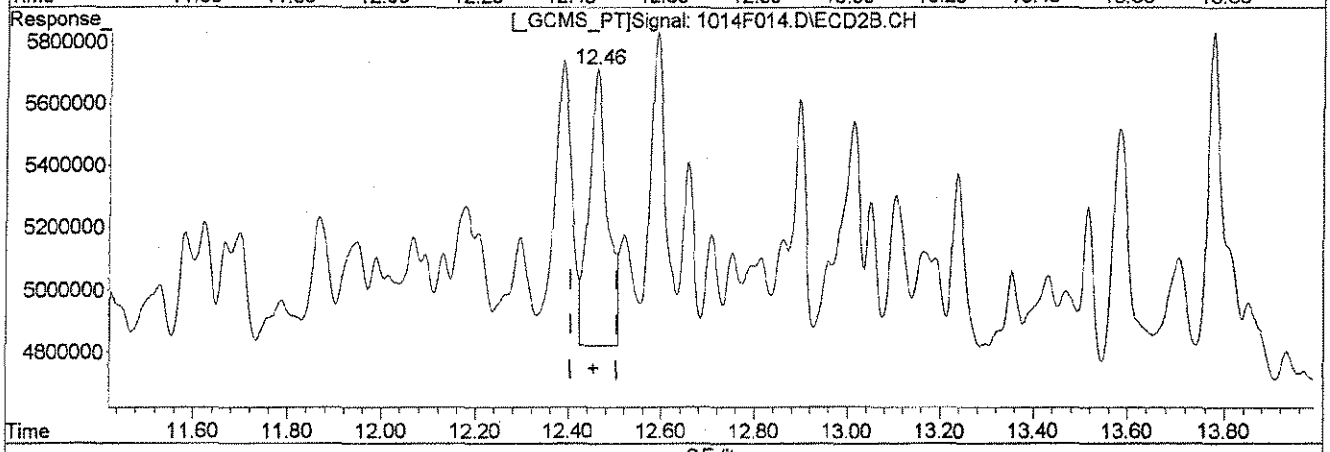
(+) = Expected Retention Time
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:28:31 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.96min 2029.620ug/L

response 361609

(28) Toxaphene {2} #2

12.46min 786.518ug/L

response 2446734

Manual Integration:

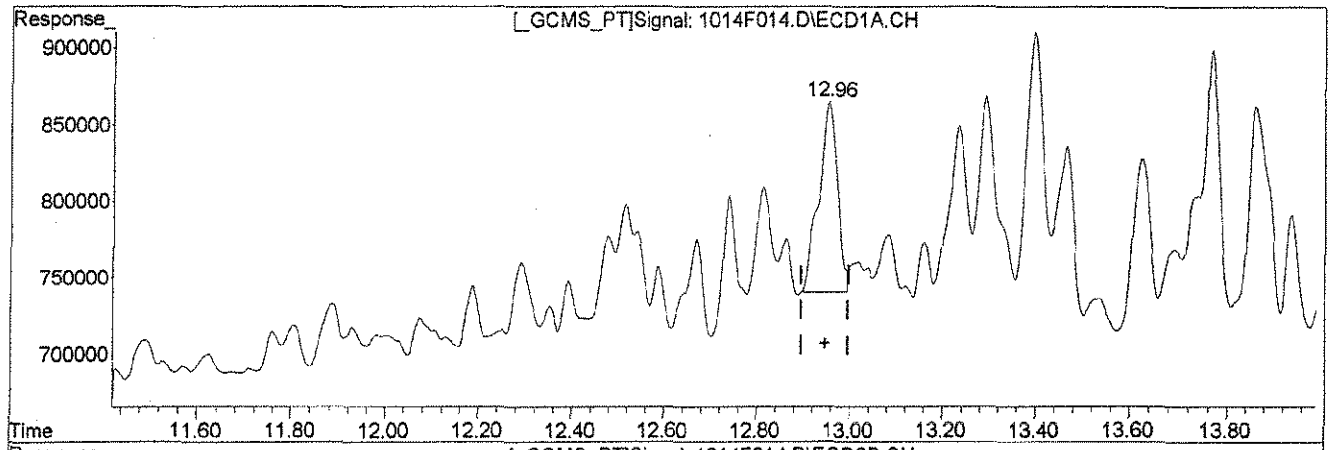
Before

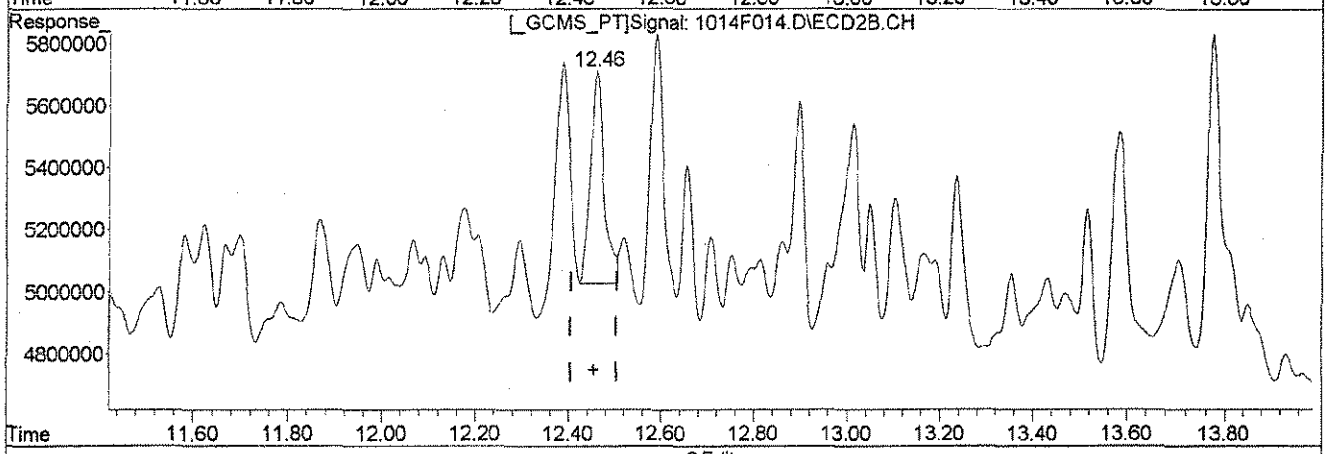
(+) = Expected Retention Time
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:28:34 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.96min 1963.720ug/L m

response 349868

(28) Toxaphene {2} #2

12.46min 455.509ug/L m

response 1417017

Manual Integration:

After

Baseline/Shoulder

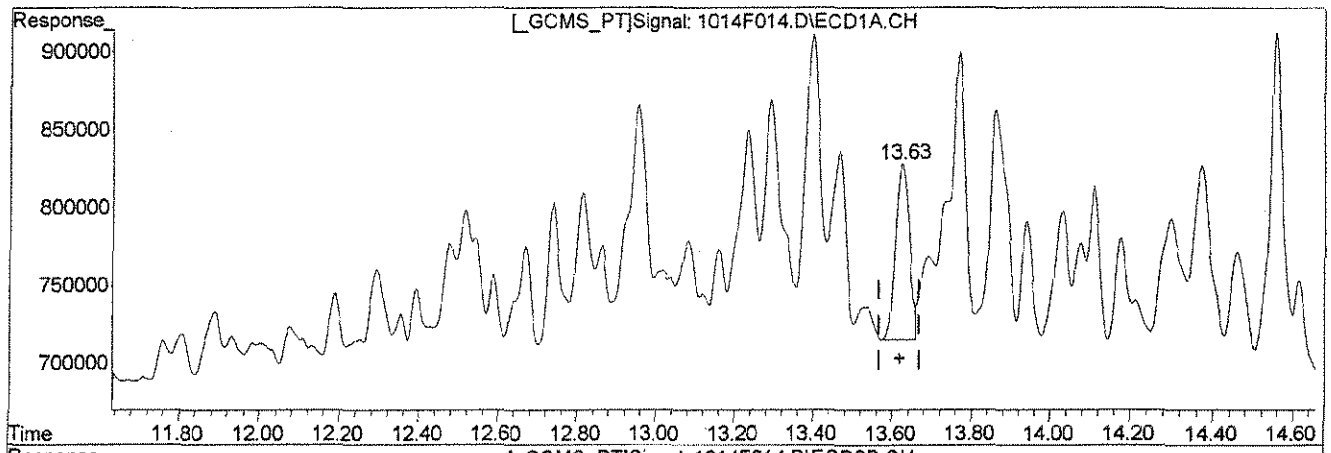
10/15/10

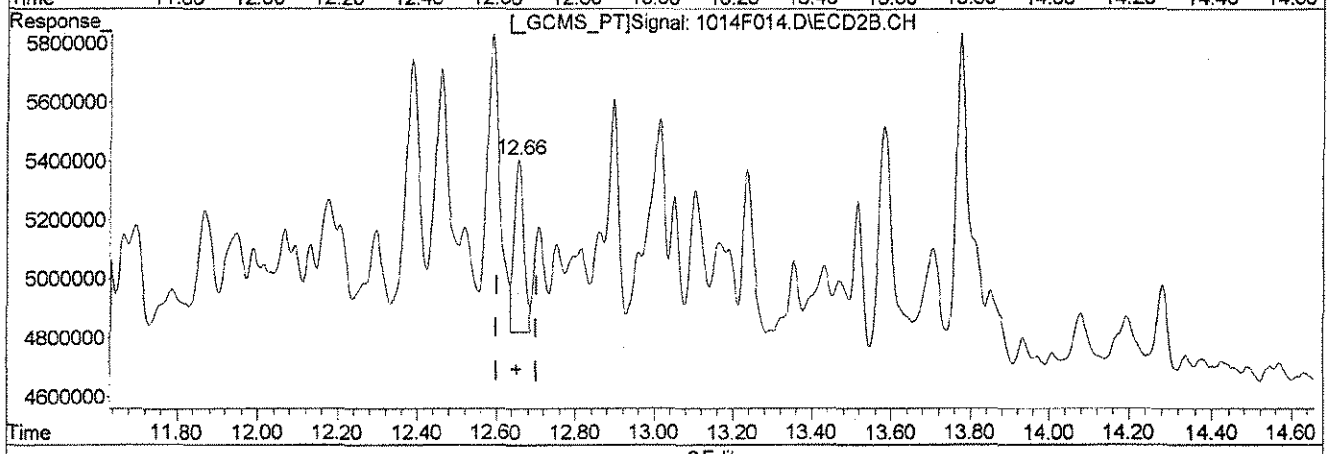
(+) = Expected Retention Time
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:28:50 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene {3}

13.63min 1169.781ug/L

response 279775

(29) Toxaphene {3} #2

12.66min 641.078ug/L

response 994741

Manual Integration:

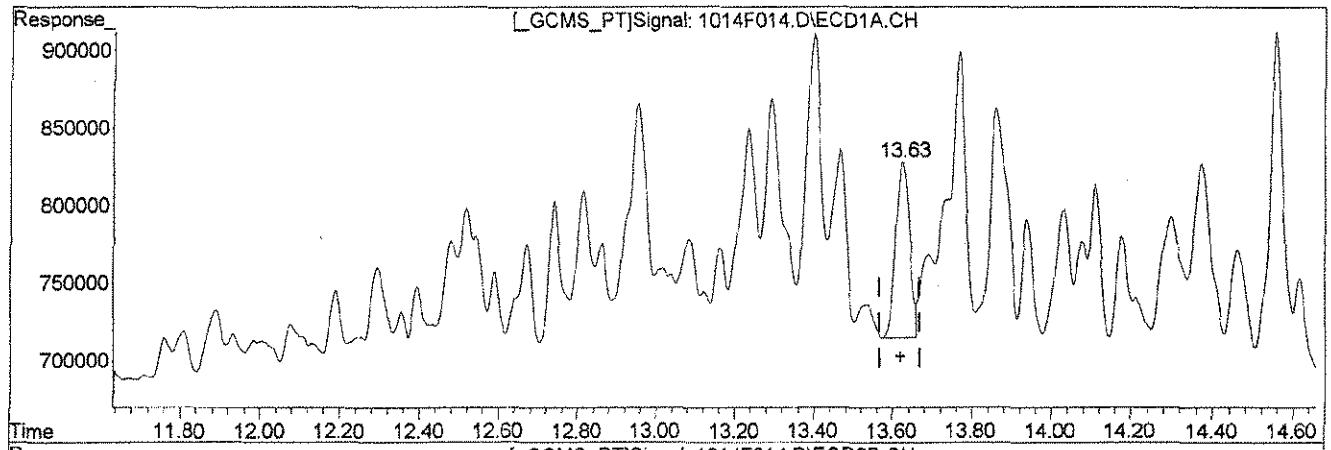
Before

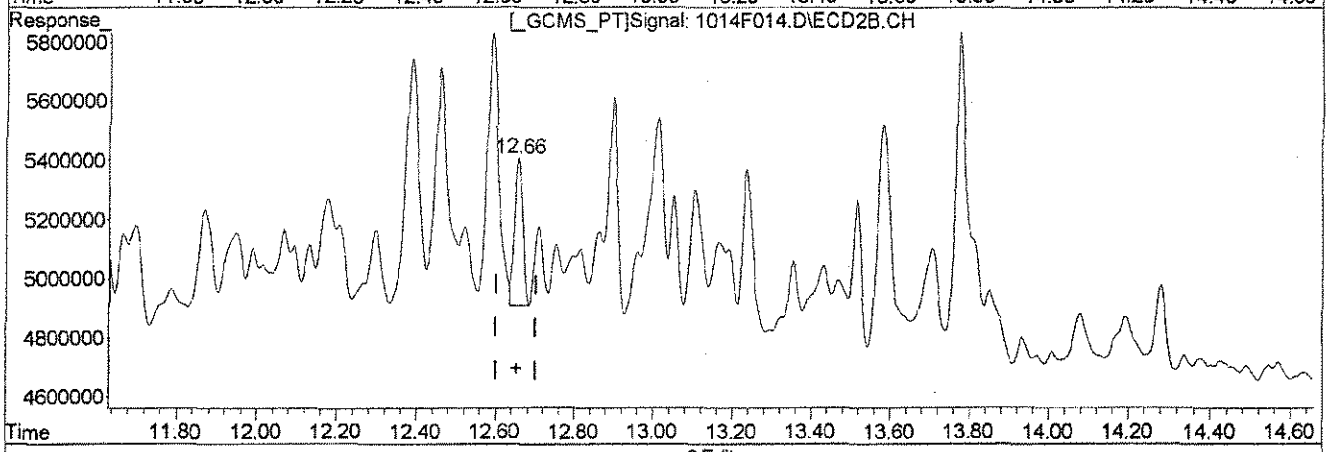
(+) = Expected Retention Time
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:28:54 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene {3}
13.63min 1169.781ug/L
response 279775

(29) Toxaphene {3} #2
12.66min 475.384ug/L m
response 737639

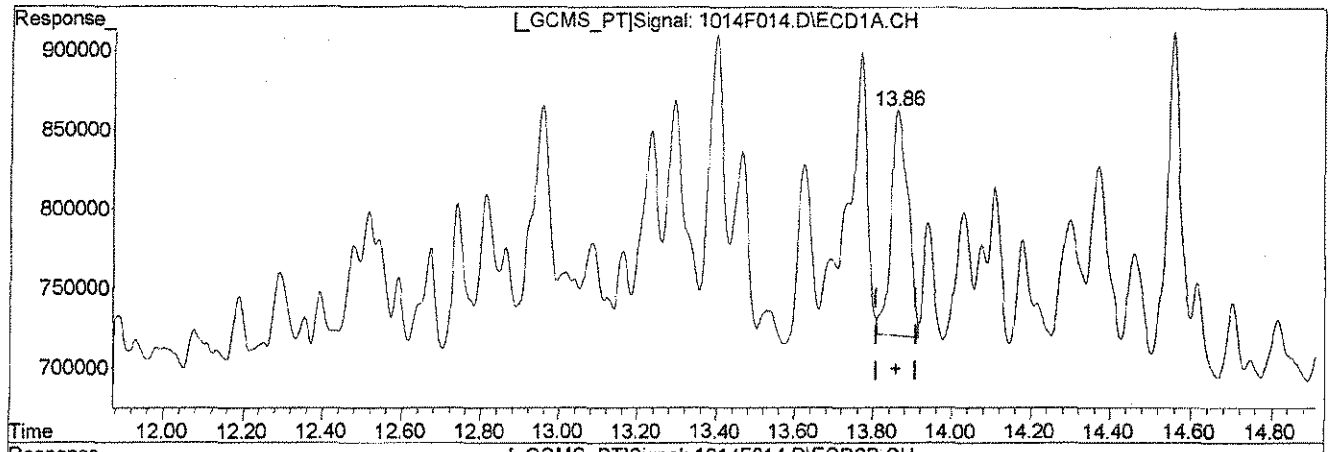
Manual Integration:
After
Baseline/Shoulder
10/15/10

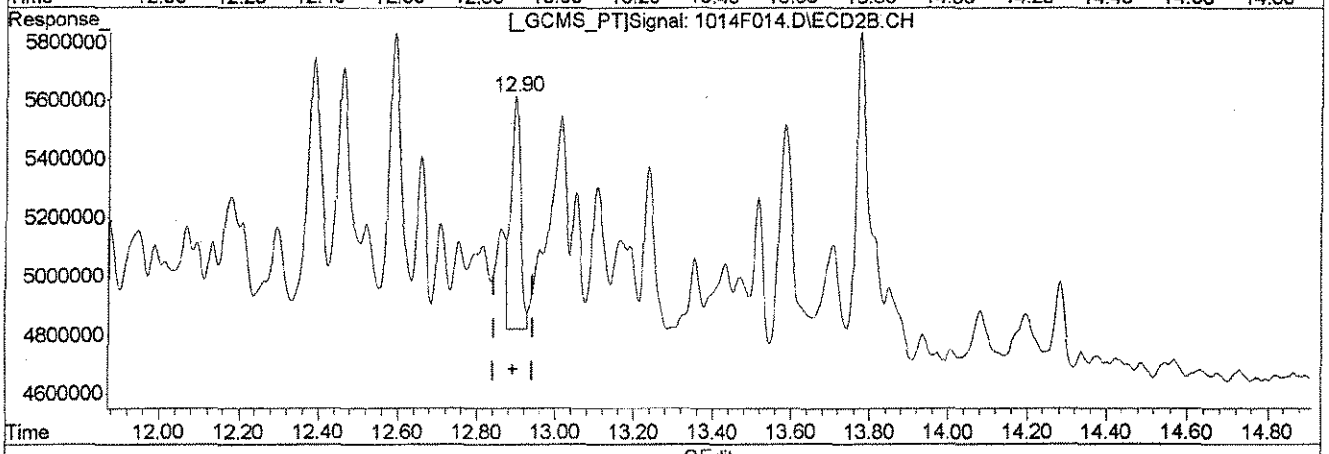
(+) = Expected Retention Time
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:29:02 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(30) Toxaphene {4}

13.86min 750.826ug/L

response 431865

(30) Toxaphene {4} #2

12.90min 524.547ug/L

response 1364358

Manual Integration:

Before

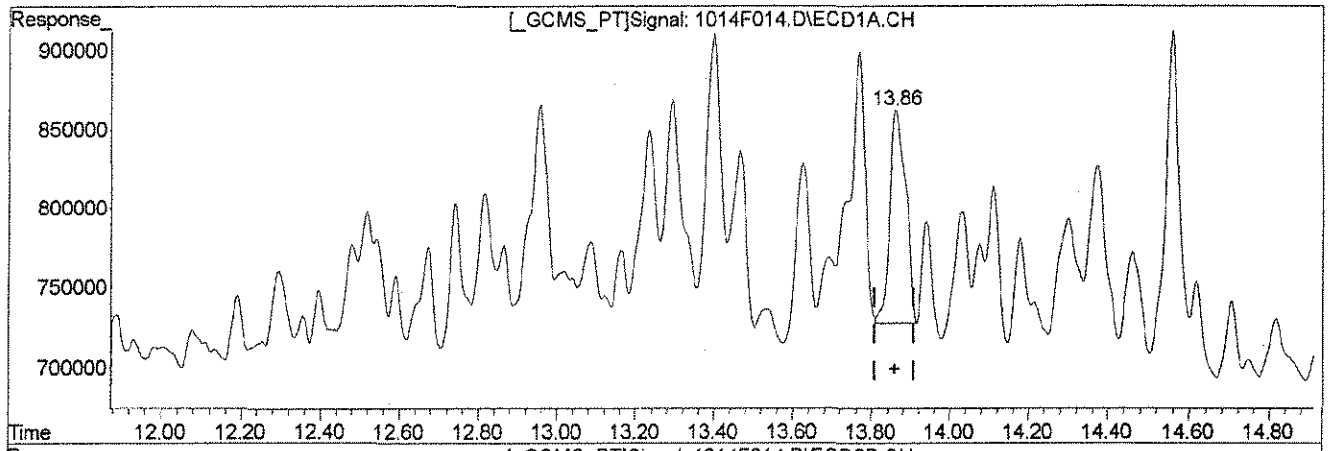
(+) = Expected Retention Time

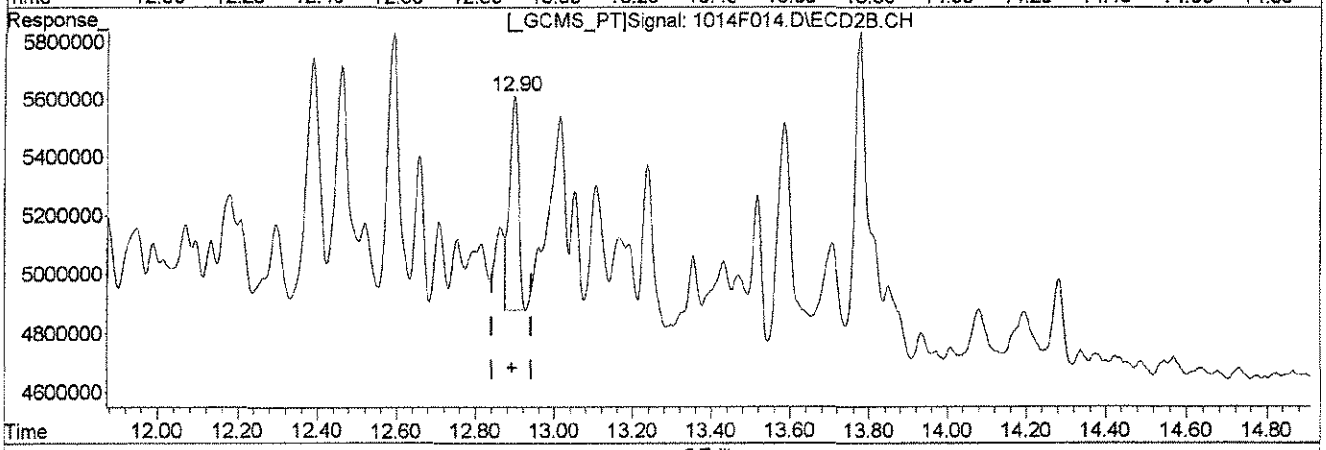
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:29:05 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





(30) Toxaphene {4}
13.86min 671.744ug/L m
response 386378

(30) Toxaphene {4} #2
12.90min 455.625ug/L m
response 1185090

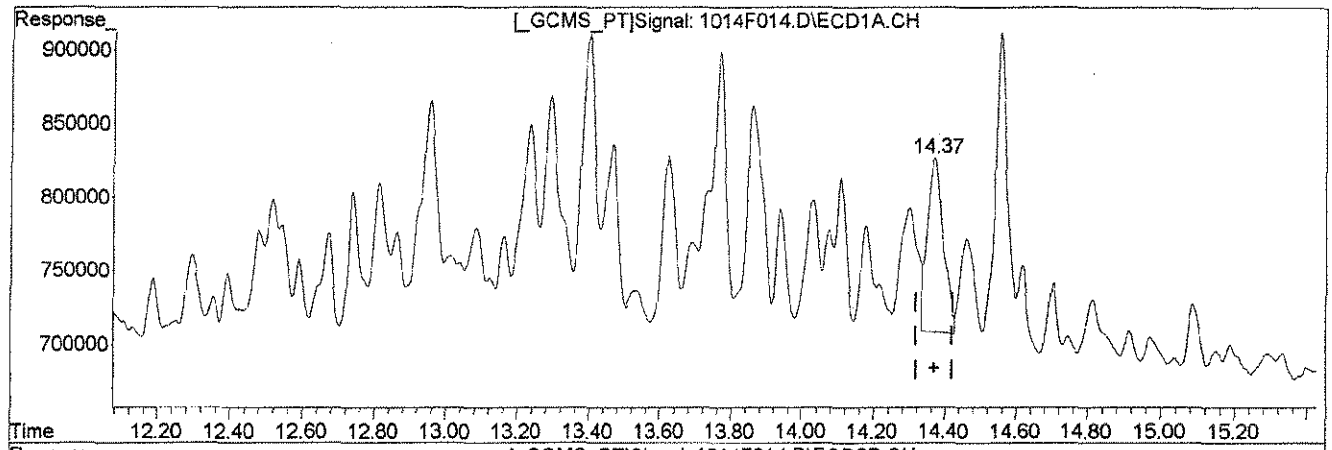
Manual Integration:
After
Baseline/Shoulder
10/15/10

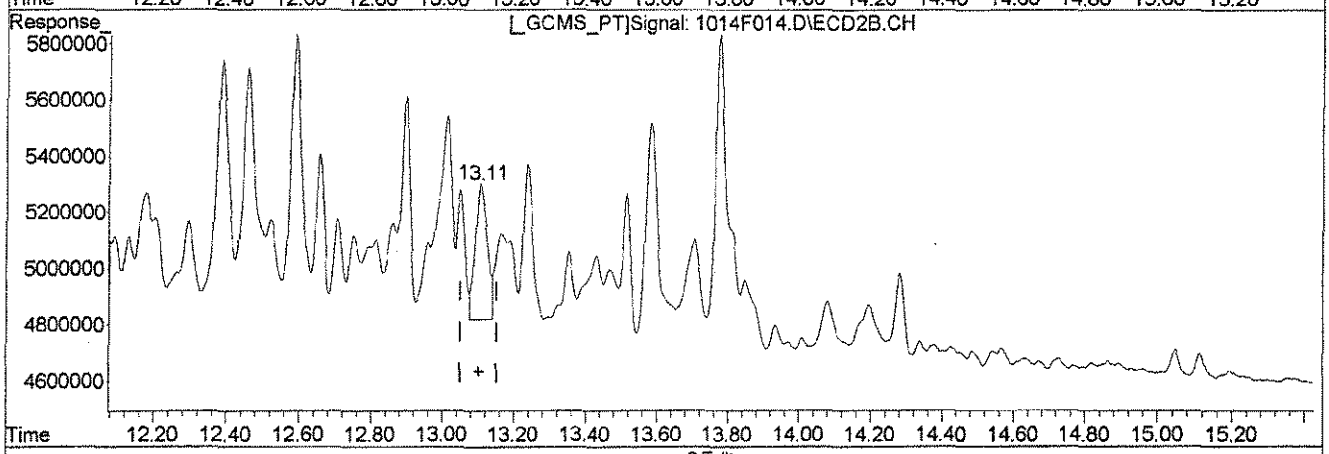
(+) = Expected Retention Time
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:29:26 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.37min 1723.762ug/L

response 368210

(31) Toxaphene {5} #2

13.11min 659.016ug/L

response 1124778

Manual Integration:

Before

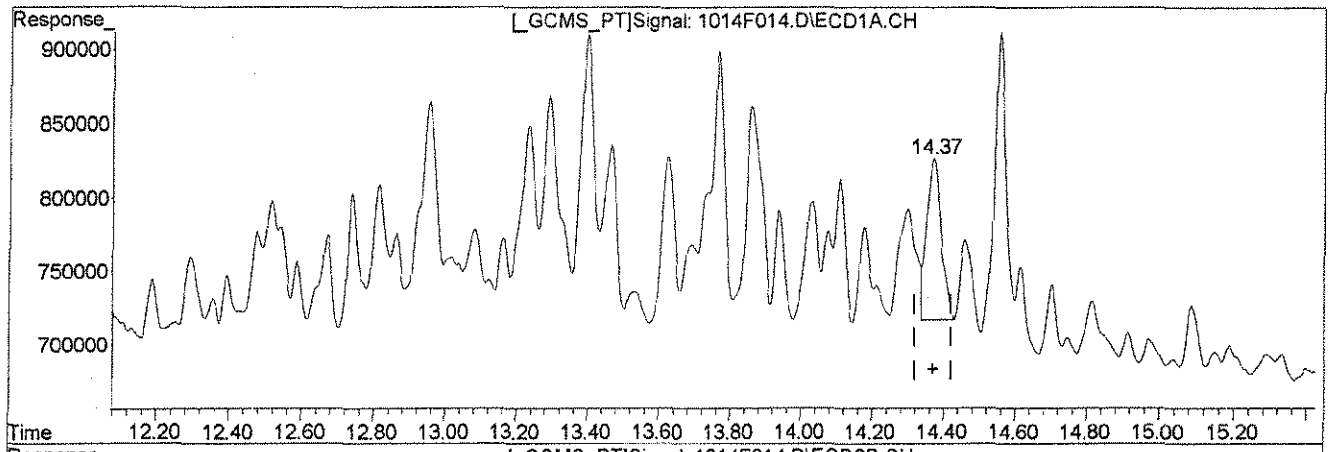
(+) = Expected Retention Time

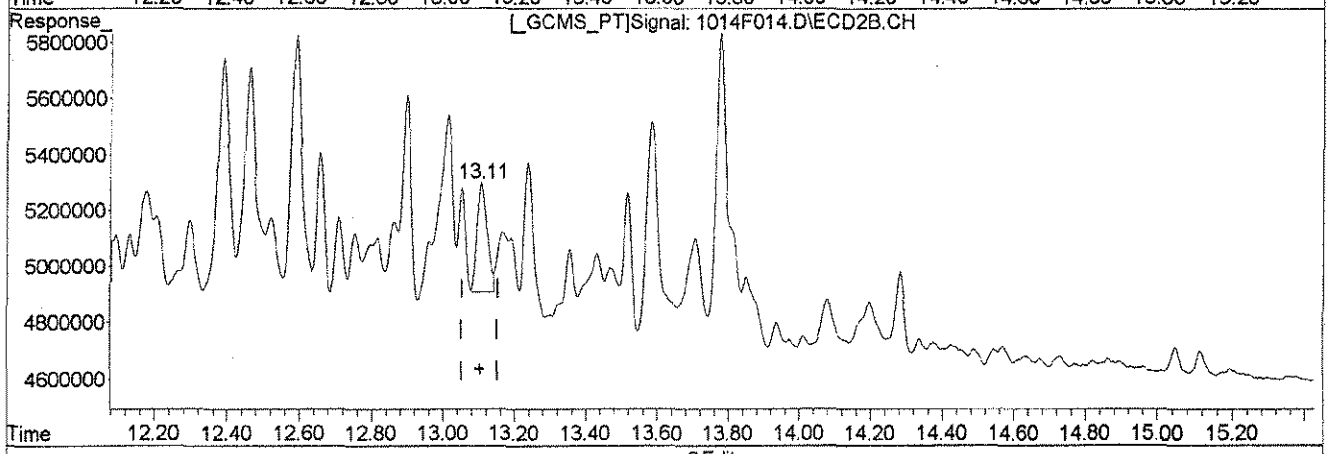
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:29:30 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.37min 1472.400ug/L m

response 314517

(31) Toxaphene {5} #2

13.11min 458.688ug/L m

response 782867

Manual Integration:

After

Baseline/Shoulder

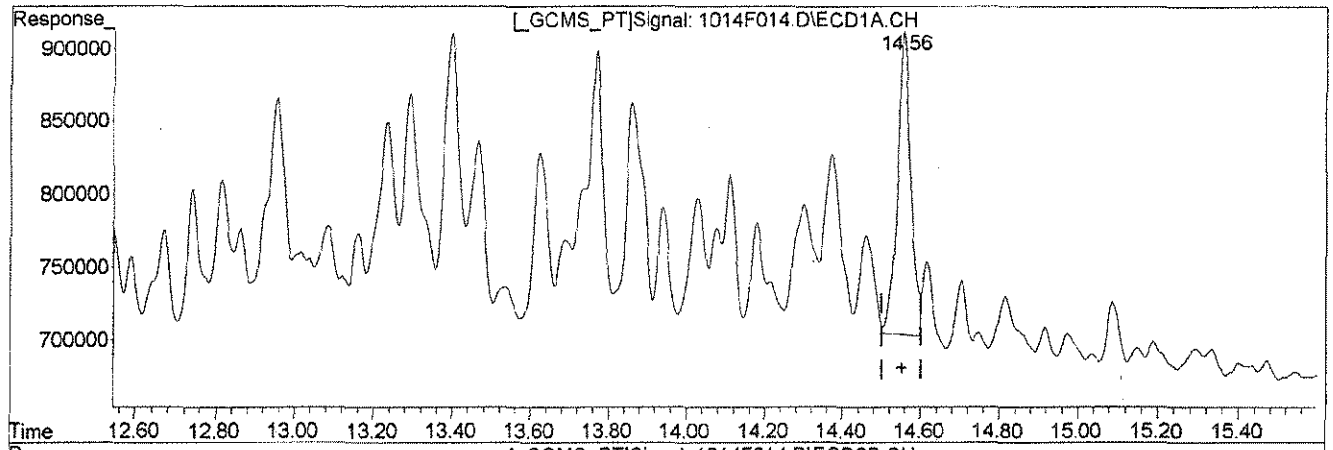
10/15/10

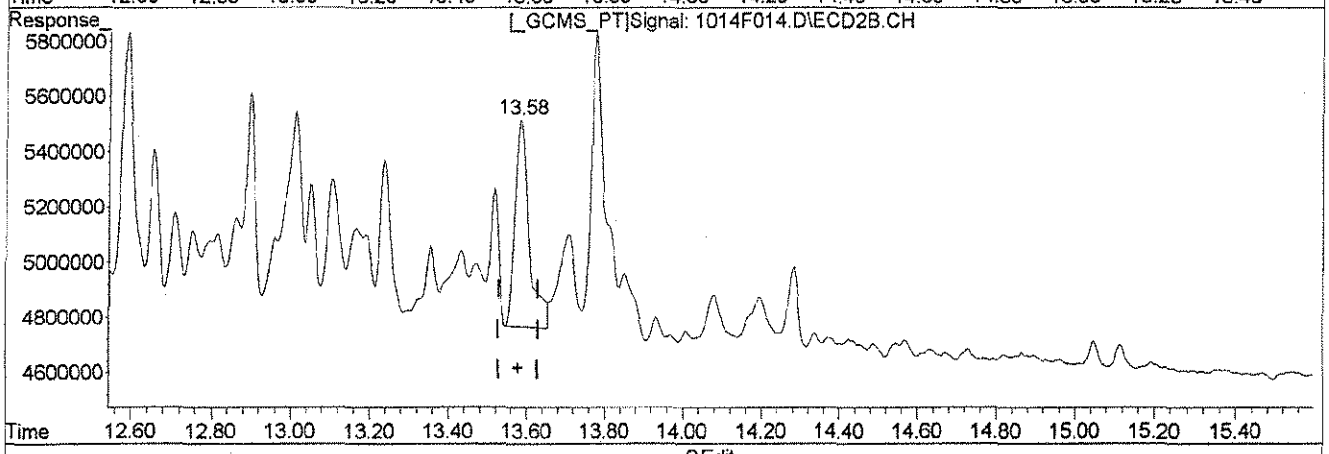
(+) = Expected Retention Time
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:29:43 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(32) Toxaphene {6}

14.56min 2328.816ug/L

response 497899

(32) Toxaphene {6} #2

13.58min 484.673ug/L

response 1906933

Manual Integration:

Before

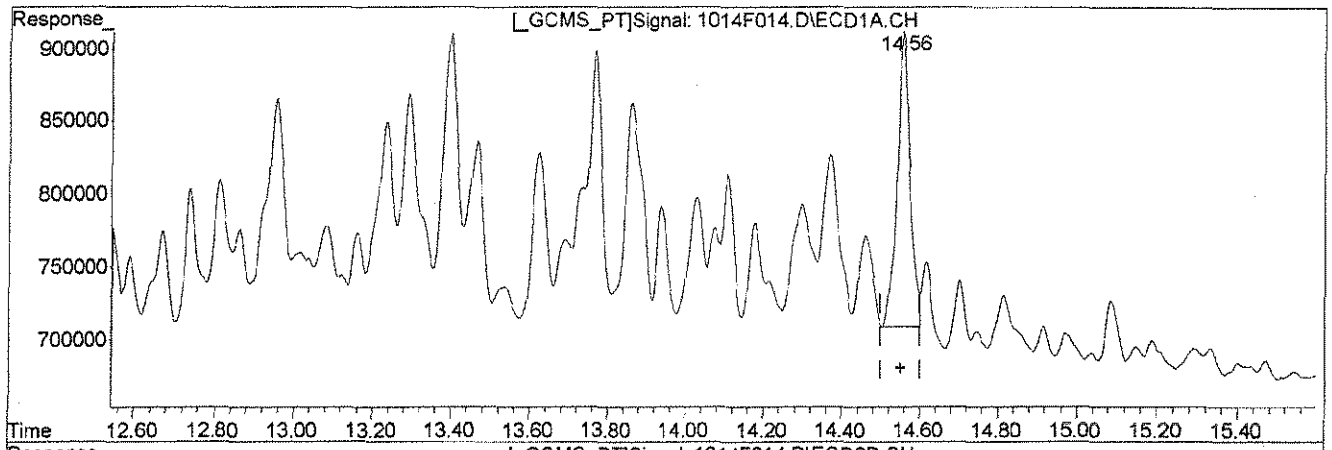
(+) = Expected Retention Time

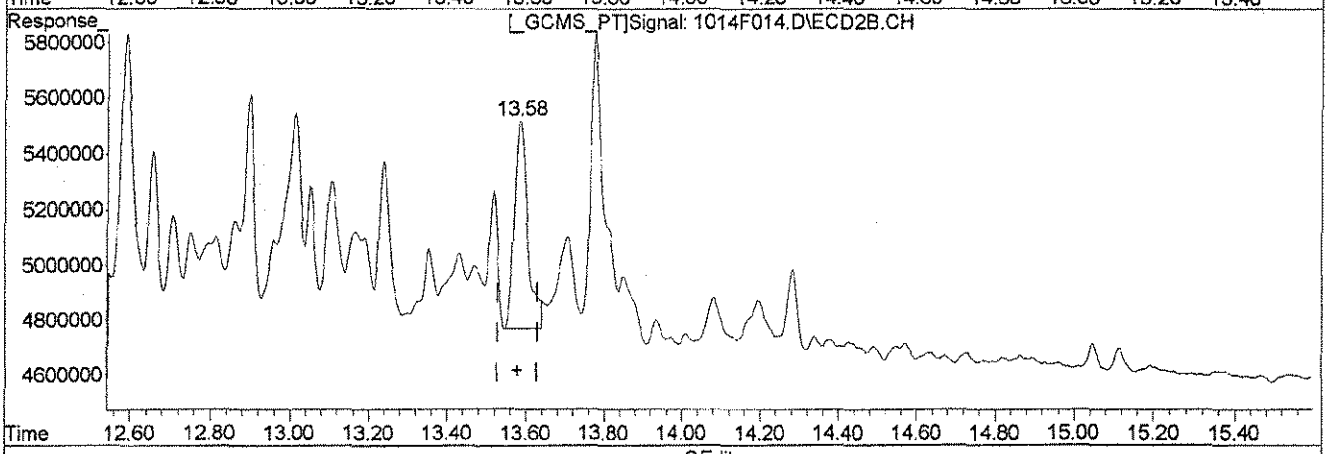
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:29:49 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F014.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\101410\1014F014.D\ECD2B.CH
Acq On : 14 Oct 2010 10:32 pm Operator: CCotnam
Sample : TOX @ 500ppb GCPS6-71P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(32) Toxaphene {6}
14.56min 2212.698ug/L m
response 473073

(32) Toxaphene {6} #2
13.58min 457.471ug/L m
response 1799908

Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F014.D IS-GC23-101410-8081.M Fri Oct 15 10:30:00 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F015.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\101410\1014F015.D\ECD2B.CH
Acq On : 14 Oct 2010 10:59 pm Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-69O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:48 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
26)	1-Bromo-2-nitrob	5.83	5.57	2064264	10352524	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
27)	Toxaphene	12.66	12.38	295202	3866236	1568.606	915.758 #
28)	Toxaphene {2}	12.95	12.46	675075	2684997	3853.535m	885.241m#
29)	Toxaphene {3}	13.62	12.65	519887	1430255	2210.734	945.387 #
30)	Toxaphene {4}	13.86	12.89	737925	2357204	1304.775m	929.499 #
31)	Toxaphene {5}	14.37	13.10	624599	1590452	2973.821m	955.752m#
32)	Toxaphene {6}	14.55	13.58	923309	3739706	4392.106m	974.869 #

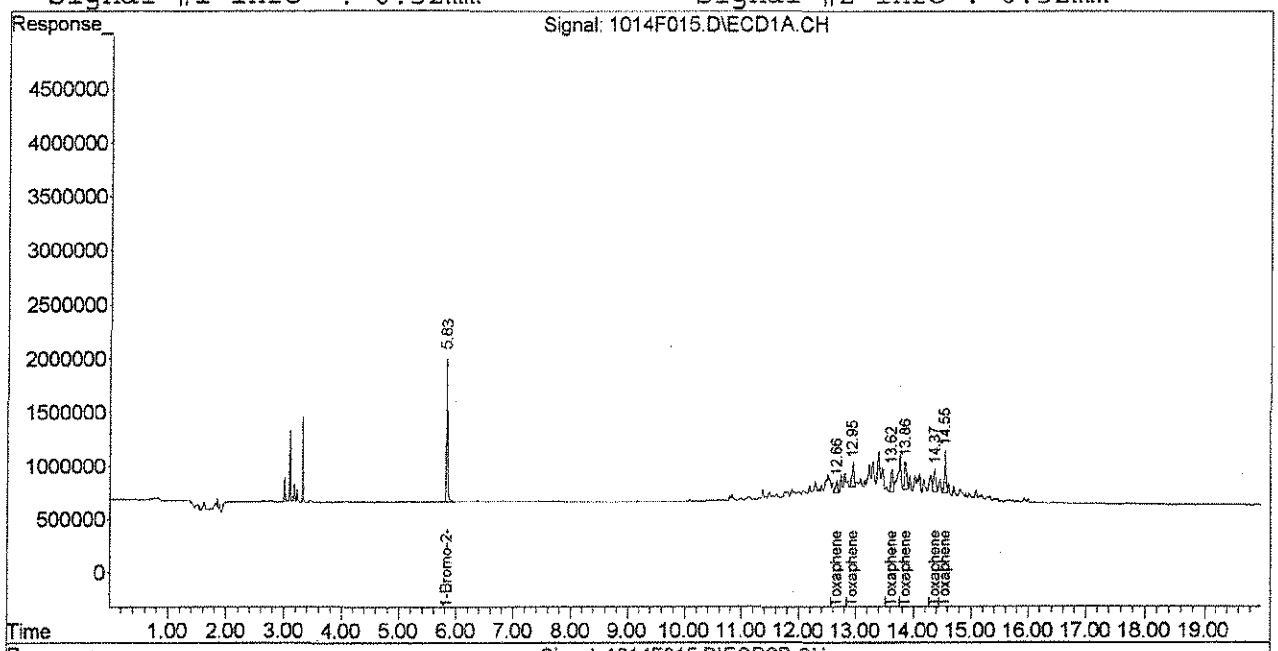
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

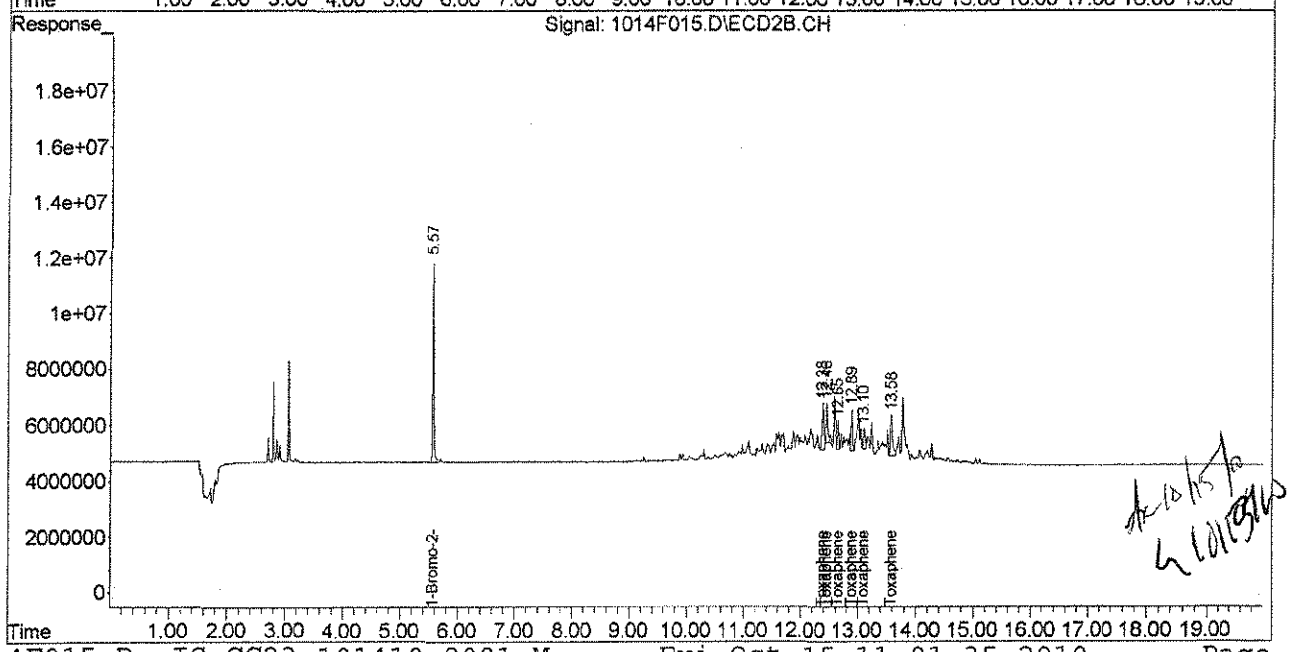
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F015.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\101410\1014F015.D\ECD2B.CH
Acq On : 14 Oct 2010 10:59 pm Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-69O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:31 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

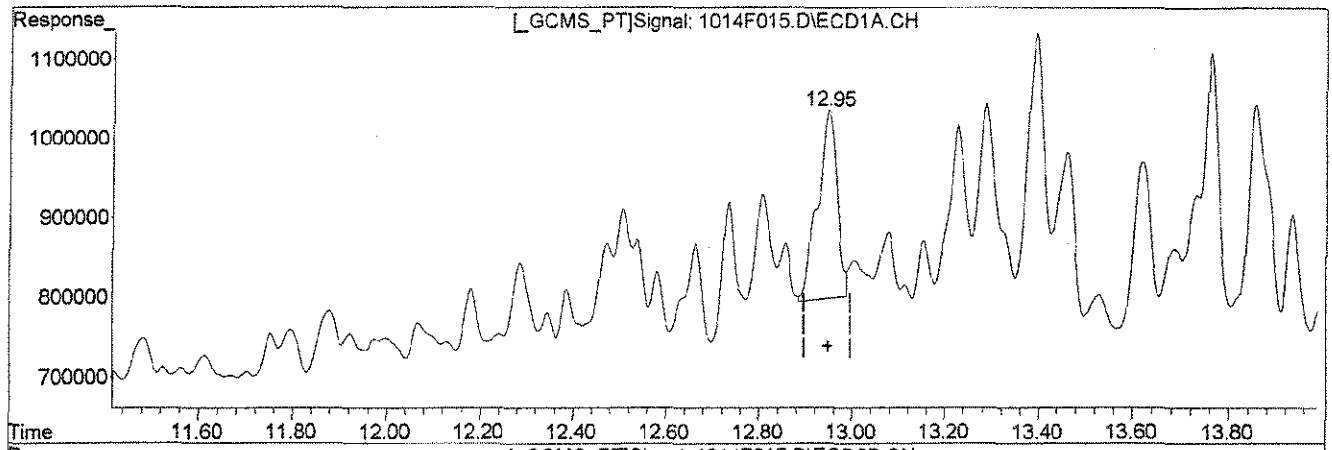


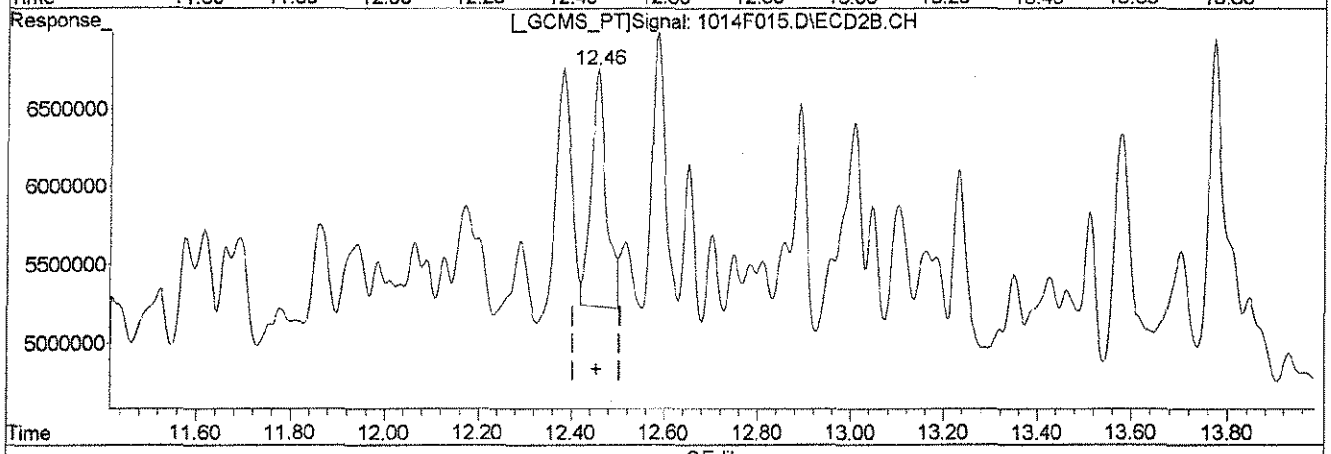


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F015.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\101410\1014F015.D\ECD2B.CH
Acq On : 14 Oct 2010 10:59 pm Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-69O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.95min 3958.065ug/L

response 693387

(28) Toxaphene {2} #2

12.46min 1127.708ug/L

response 3420416

Manual Integration:

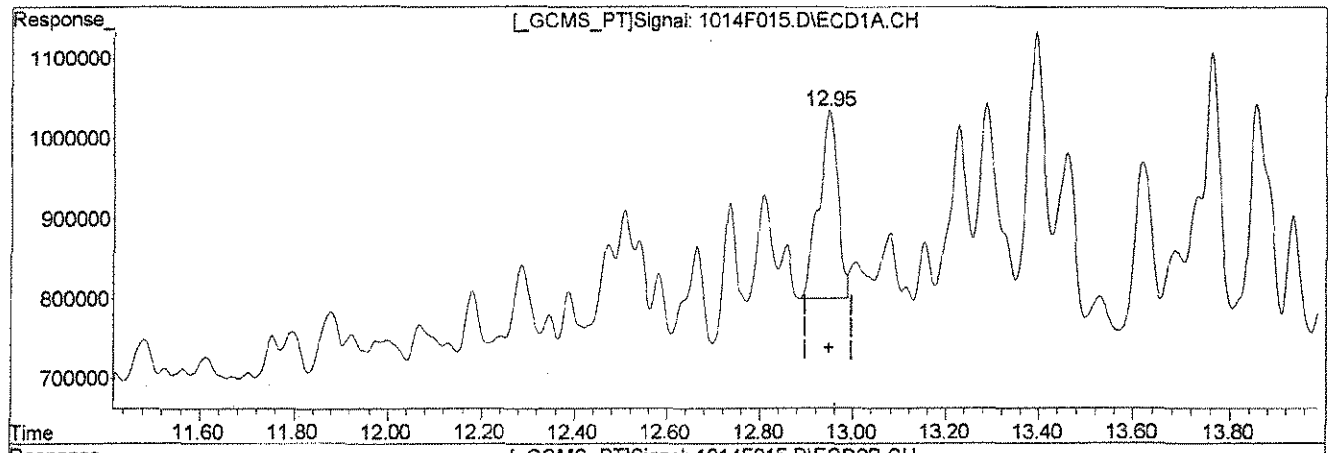
Before

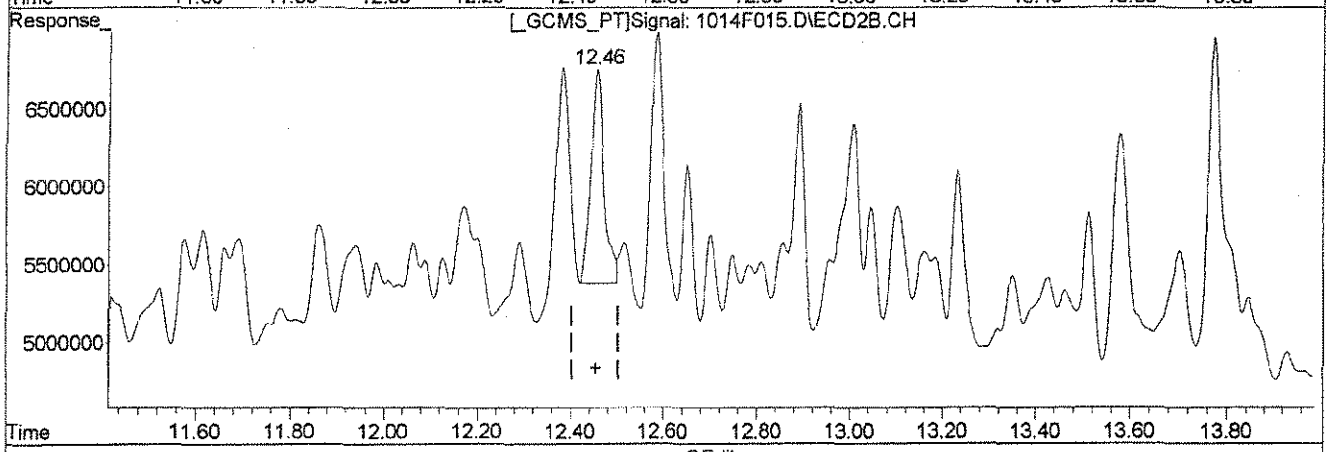
(+) = Expected Retention Time
1014F015.D IS-GC23-101410-8081.M Fri Oct 15 10:30:20 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F015.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\101410\1014F015.D\ECD2B.CH
Acq On : 14 Oct 2010 10:59 pm Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-69O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.95min 3853.535ug/L m

response 675075

(28) Toxaphene {2} #2

12.46min 885.241ug/L m

response 2684997

Manual Integration:

After

Baseline/Shoulder

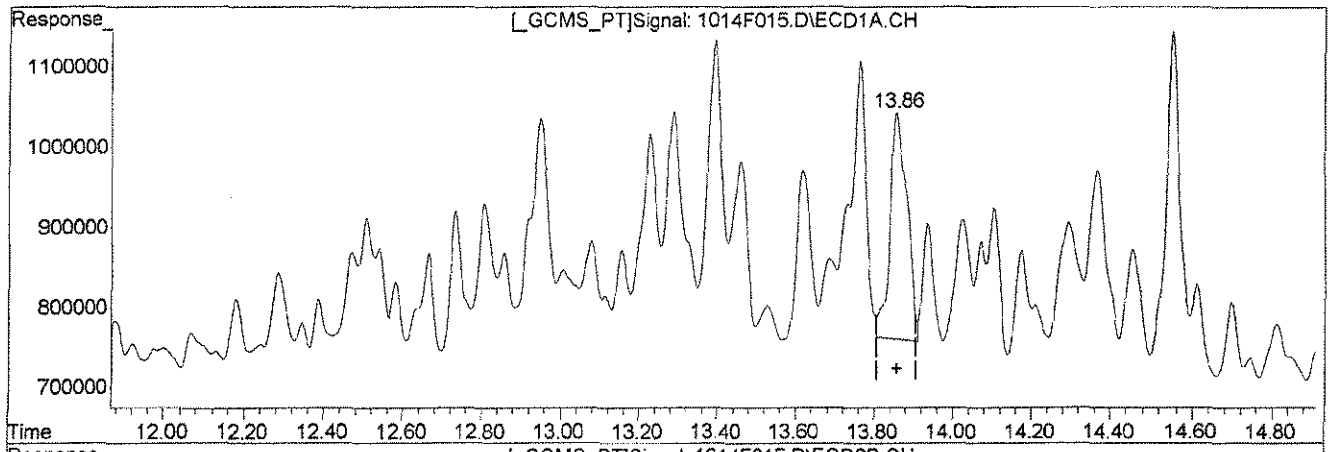
10/15/10 10/15/10

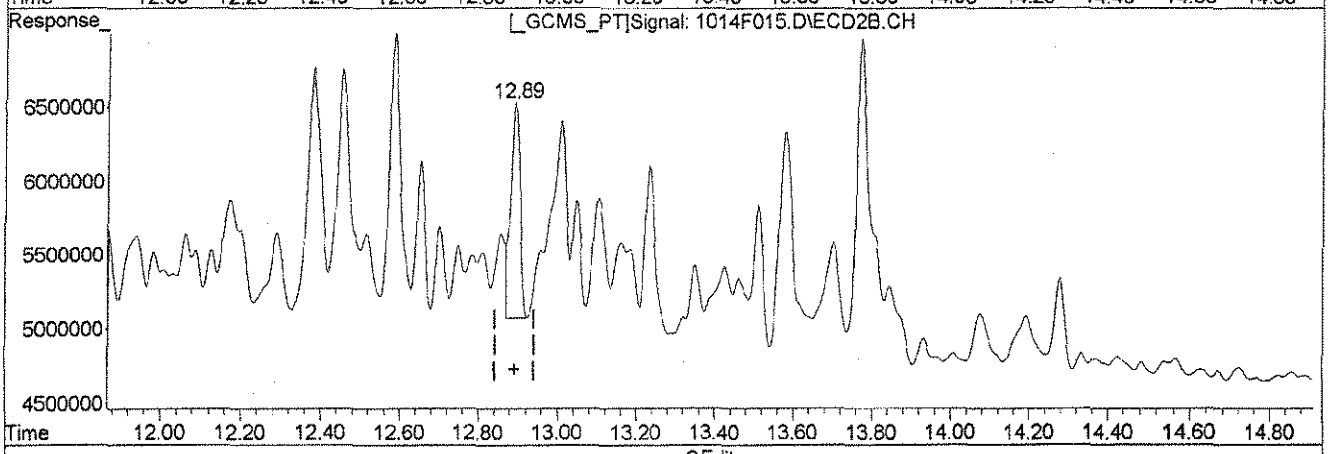
(+) = Expected Retention Time
1014F015.D IS-GC23-101410-8081.M Fri Oct 15 10:30:33 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F015.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\101410\1014F015.D\ECD2B.CH
Acq On : 14 Oct 2010 10:59 pm Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-690 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(30) Toxaphene {4}

13.86min 1531.915ug/L

response 866386

(30) Toxaphene {4} #2

12.89min 929.499ug/L

response 2357204

Manual Integration:

Before

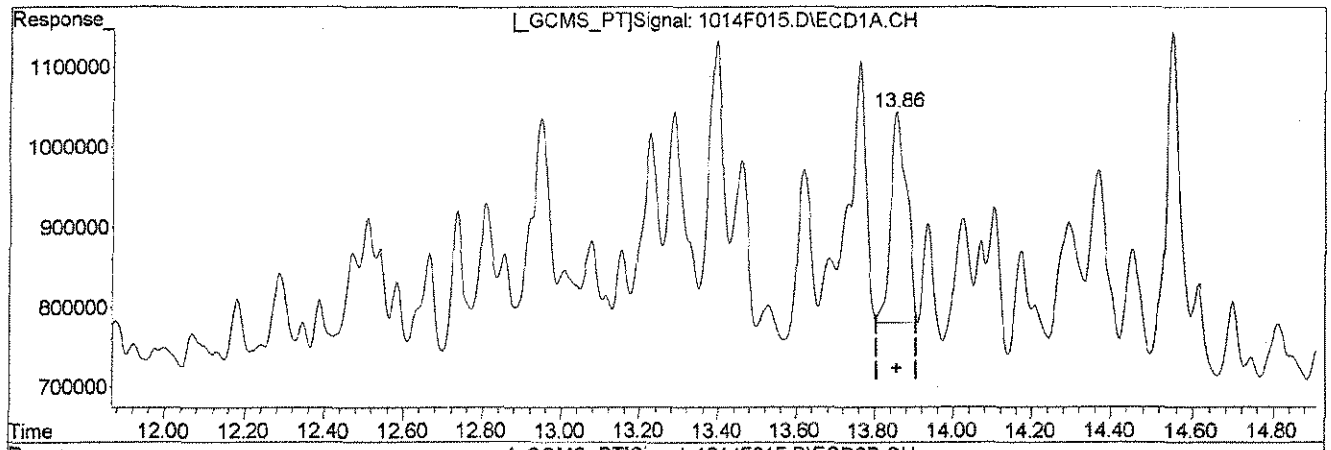
(+) = Expected Retention Time

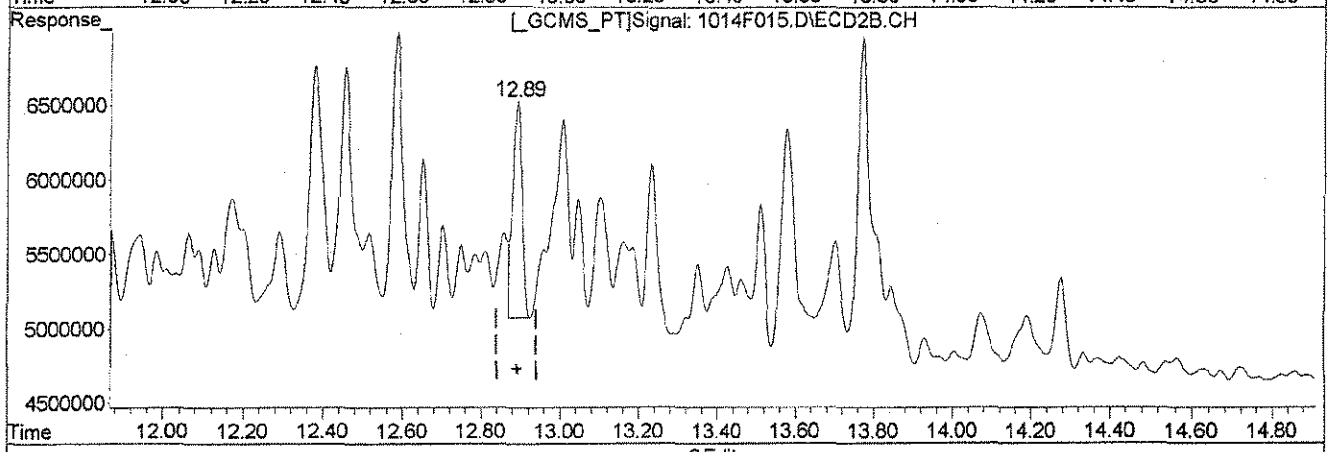
1014F015.D IS-GC23-101410-8081.M Fri Oct 15 10:30:37 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F015.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\101410\1014F015.D\ECD2B.CH
Acq On : 14 Oct 2010 10:59 pm Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-69O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(30) Toxaphene {4}

13.86min 1304.775ug/L m

response 737925

(30) Toxaphene {4} #2

12.89min 929.499ug/L

response 2357204

Manual Integration:

After

Baseline/Shoulder

10/15/10

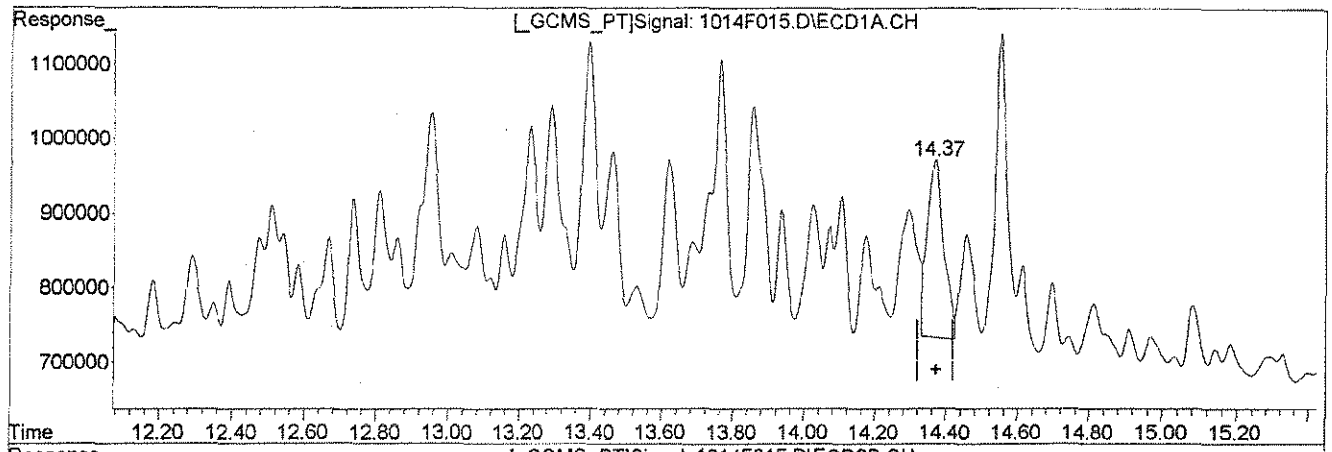
(+) = Expected Retention Time

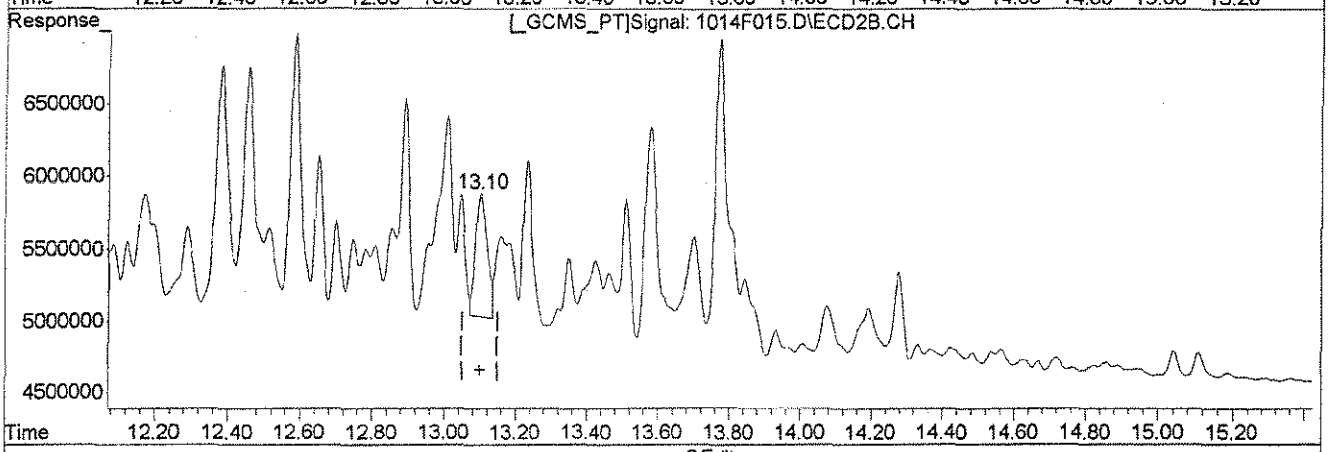
1014F015.D IS-GC23-101410-8081.M Fri Oct 15 10:30:44 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F015.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\101410\1014F015.D\ECD2B.CH
Acq On : 14 Oct 2010 10:59 pm Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-69O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.37min 3618.107ug/L

response 759920

(31) Toxaphene {5} #2

13.10min 1210.936ug/L

response 2015100

Manual Integration:

Before

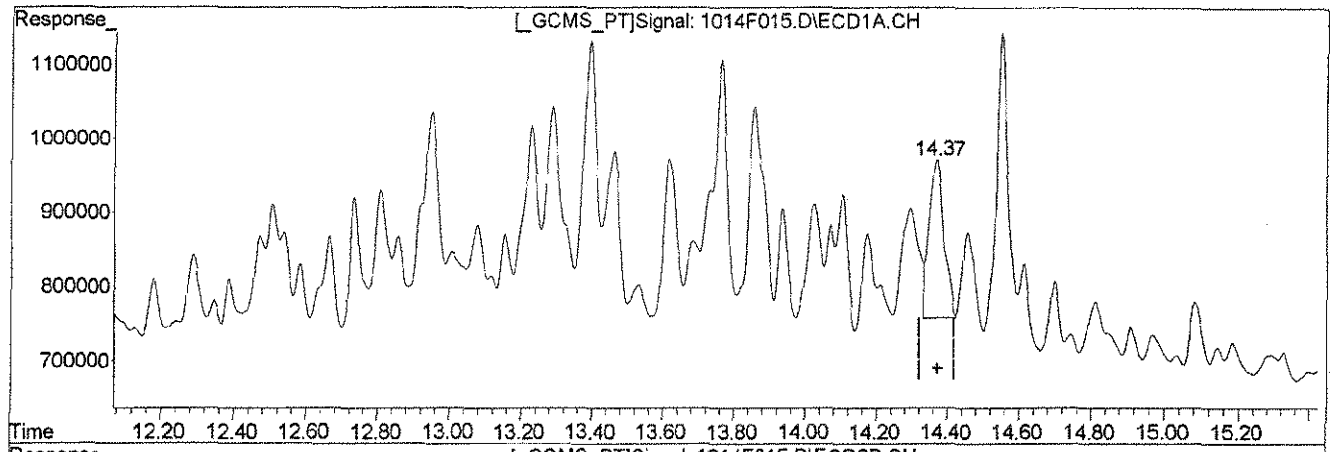
(+) = Expected Retention Time

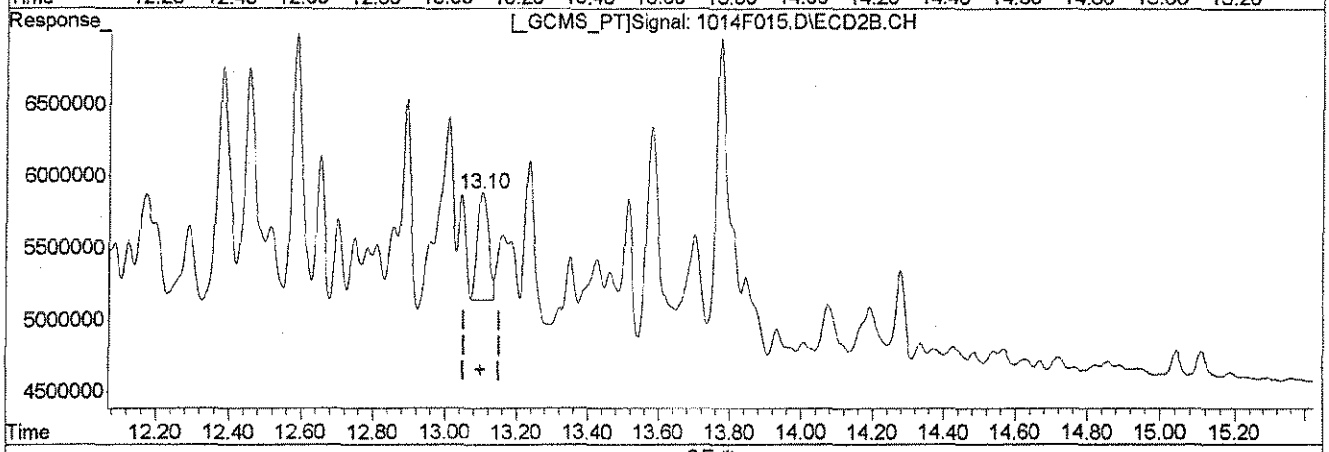
1014F015.D IS-GC23-101410-8081.M Fri Oct 15 10:30:47 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F015.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\101410\1014F015.D\ECD2B.CH
Acq On : 14 Oct 2010 10:59 pm Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-690 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.37min 2973.821ug/L m

response 624599

(31) Toxaphene {5} #2

13.10min 955.752ug/L m

response 1590452

Manual Integration:

After

Baseline/Shoulder

10/15/10

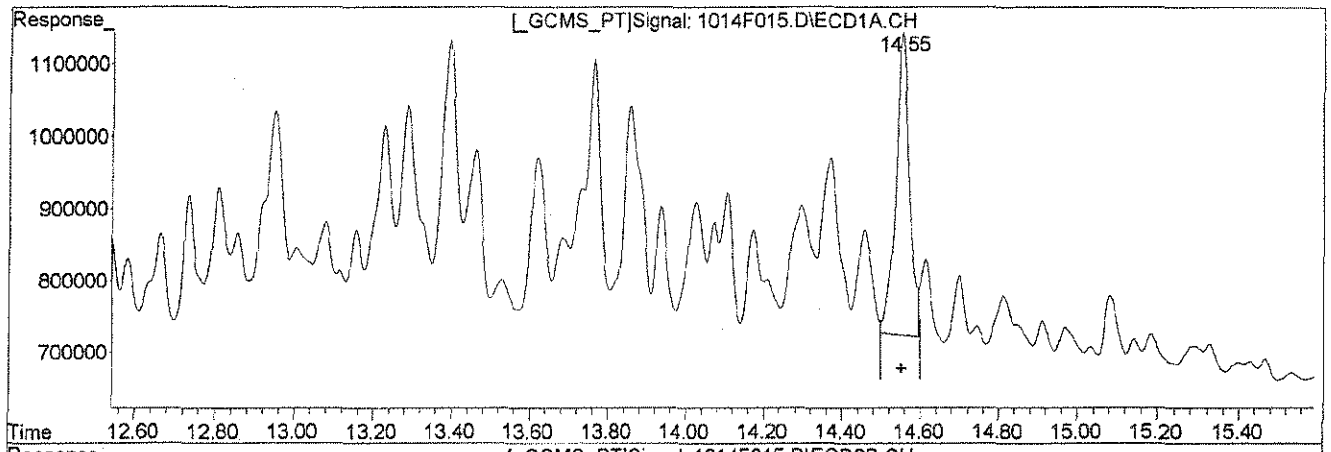
(+) = Expected Retention Time

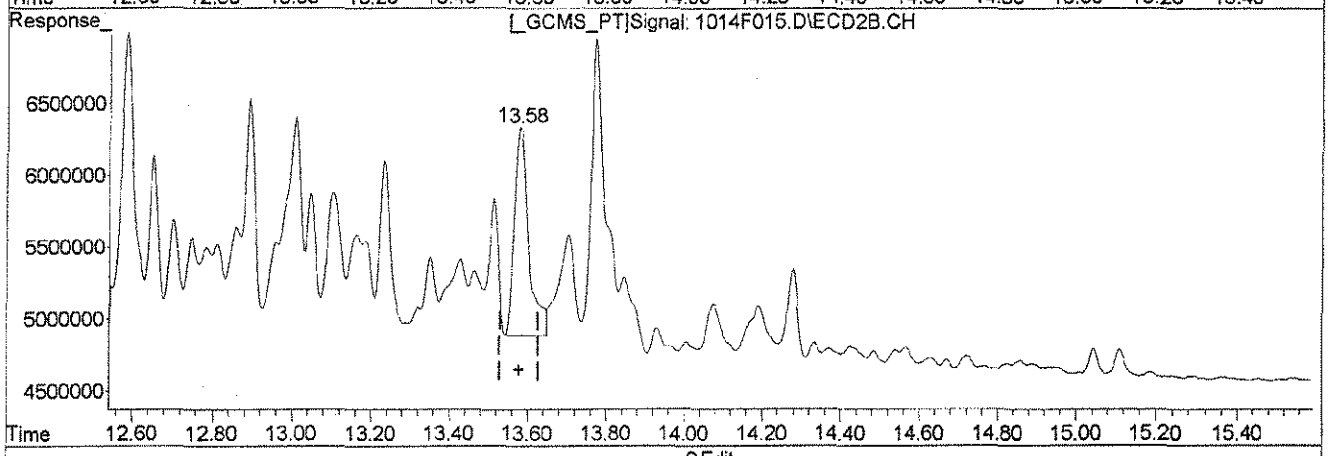
1014F015.D IS-GC23-101410-8081.M Fri Oct 15 10:31:00 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F015.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\101410\1014F015.D\ECD2B.CH
Acq On : 14 Oct 2010 10:59 pm Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-690 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(32) Toxaphene {6}

14.55min 4806.967ug/L

response 1010521

(32) Toxaphene {6} #2

13.58min 974.869ug/L

response 3739706

Manual Integration:

Before

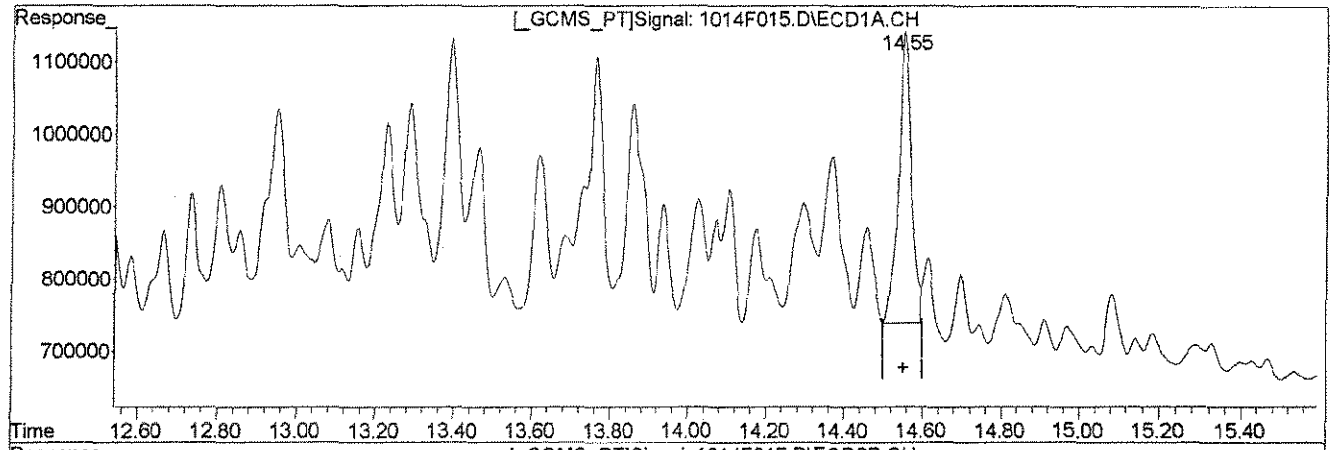
(+) = Expected Retention Time

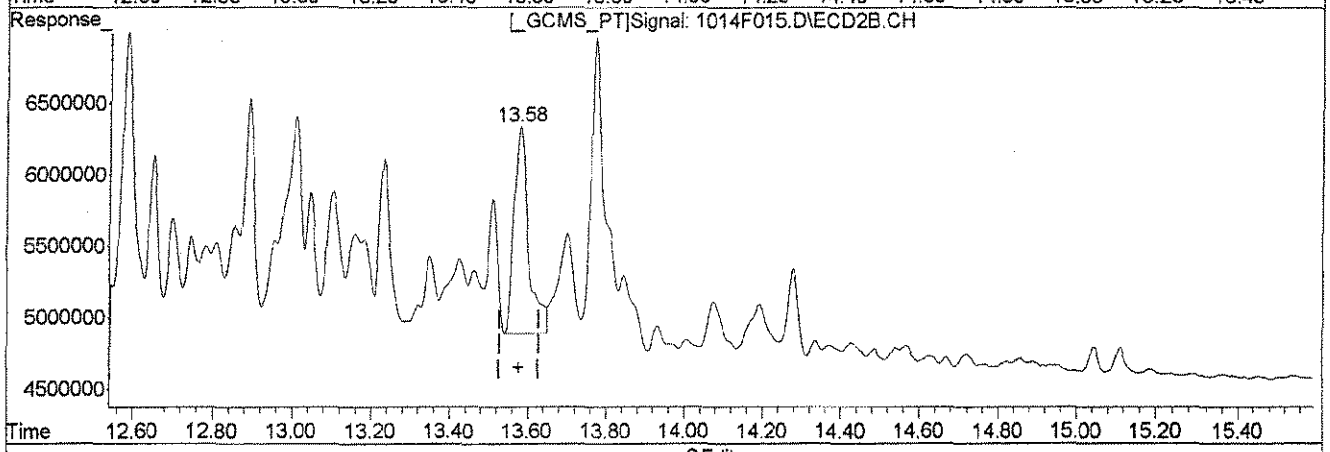
1014F015.D IS-GC23-101410-8081.M Fri Oct 15 10:31:04 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F015.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\101410\1014F015.D\ECD2B.CH
Acq On : 14 Oct 2010 10:59 pm Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-69O Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(32) Toxaphene {6}

14.55min 4392.106ug/L m

response 923309

(32) Toxaphene {6} #2

13.58min 974.869ug/L

response 3739706

Manual Integration:

After

Baseline/Shoulder

10/15/10

(+) = Expected Retention Time

1014F015.D IS-GC23-101410-8081.M Fri Oct 15 10:31:11 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:49 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
26)	1-Bromo-2-nitrob	5.83	5.56	2137784	10842568	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
27)	Toxaphene	12.66	12.38	542128	7669559	2781.620m	1734.509m#
28)	Toxaphene {2}	12.95	12.45	1305577	5208742	7196.331m	1639.700m#
29)	Toxaphene {3}	13.62	12.65	1008058	2697591	4139.182m	1702.497m#
30)	Toxaphene {4}	13.85	12.89	1414853	4788361	2415.661m	1802.822m#
31)	Toxaphene {5}	14.36	13.10	1177478	3087197	5413.371m	1771.344m#
32)	Toxaphene {6}	14.55	13.58	1772158	7721340	8140.098m	1921.833m#

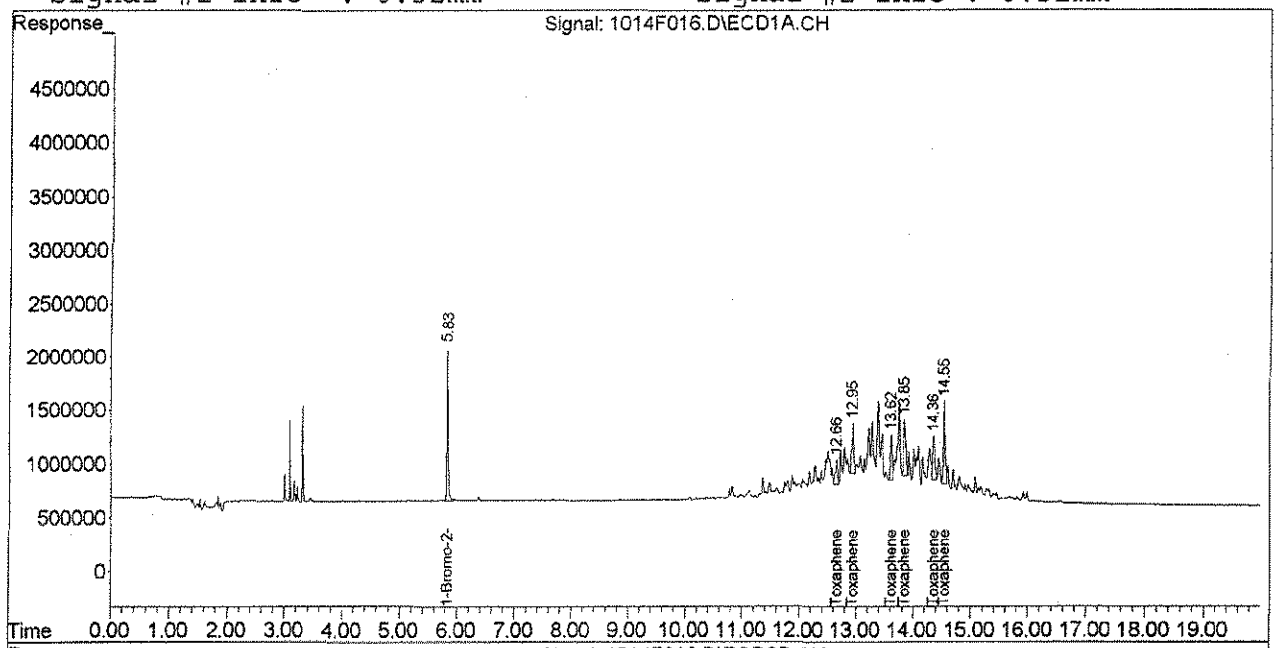
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

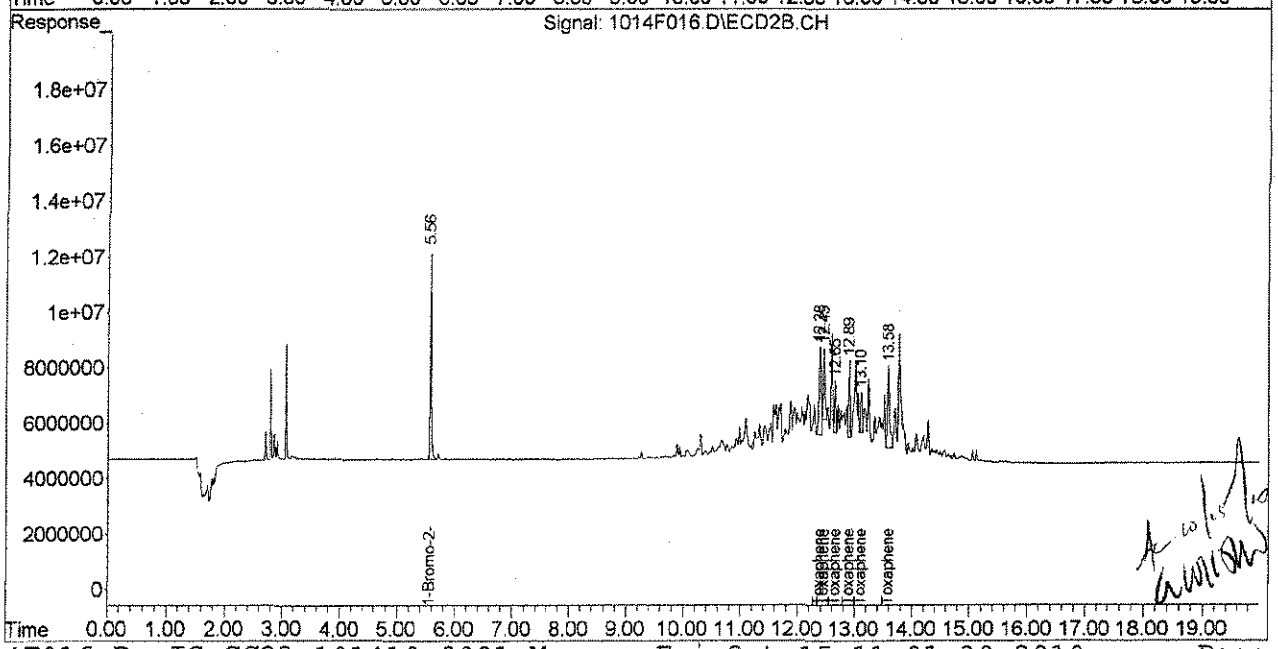
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:33 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

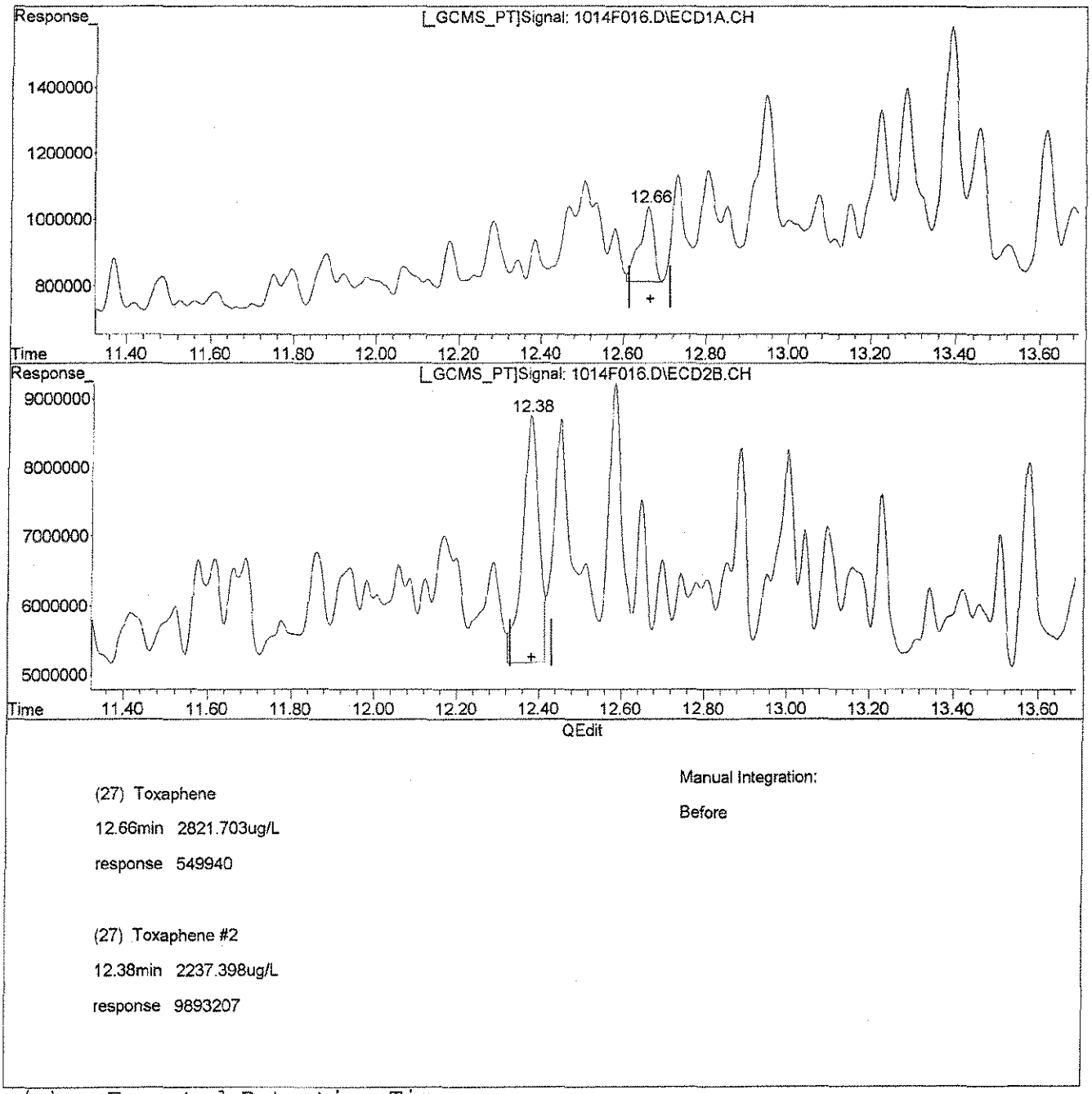




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration

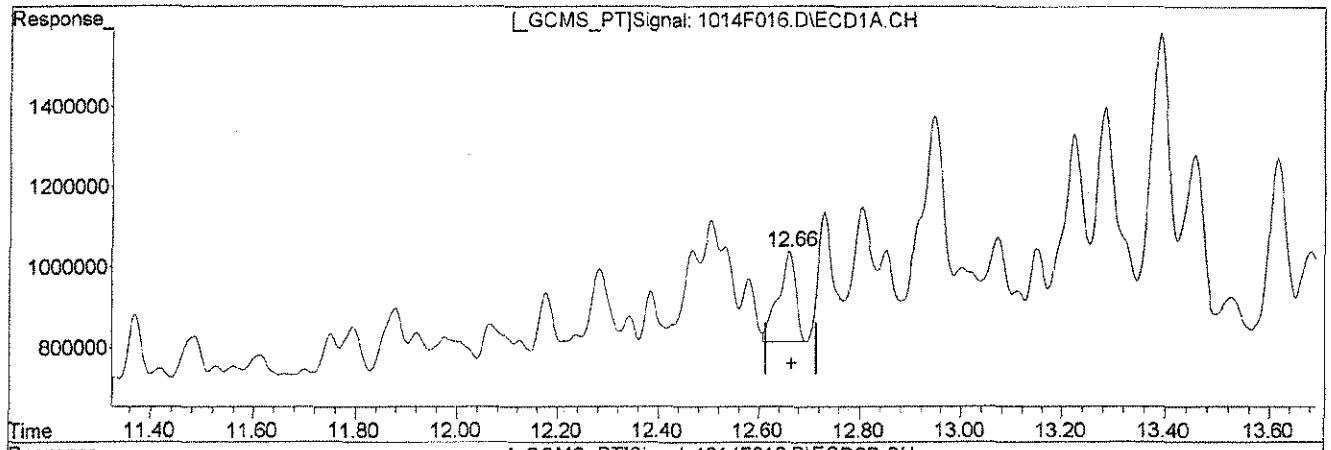


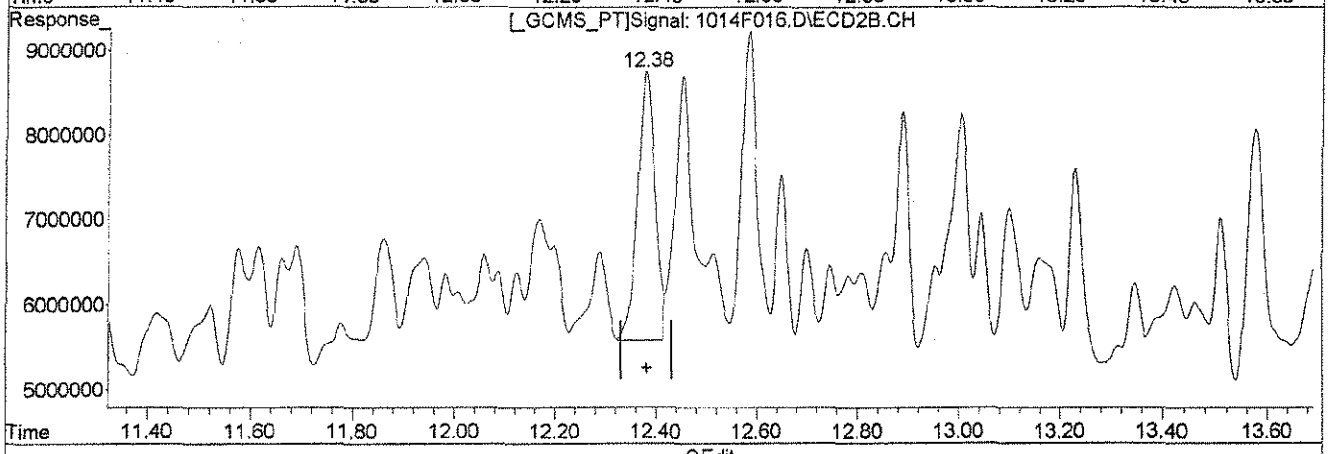
(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:31:31 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(27) Toxaphene
12.66min 2781.620ug/L m
response 542128

(27) Toxaphene #2
12.38min 1734.509ug/L m
response 7669559

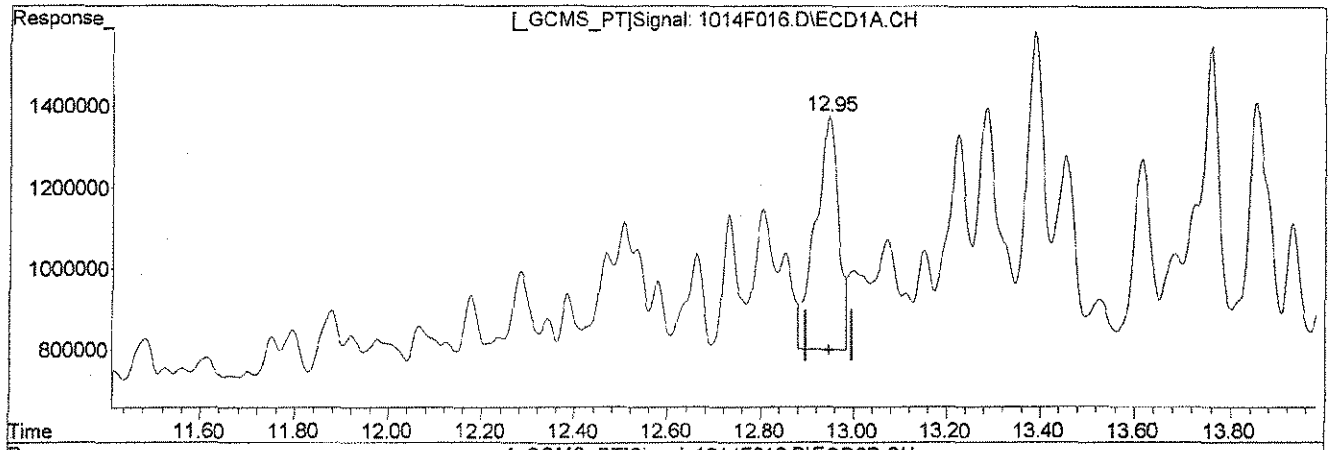
Manual Integration:
After
Baseline/Shoulder
10/15/10

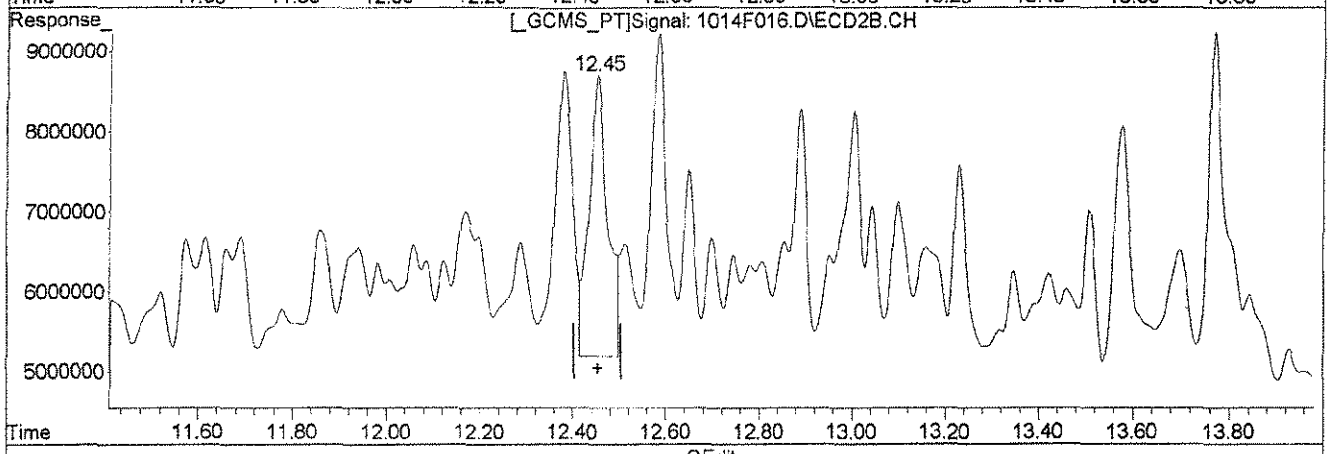
(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:31:44 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.95min 11038.576ug/L

response 2002647

(28) Toxaphene {2} #2

12.45min 3107.966ug/L

response 9872896

Manual Integration:

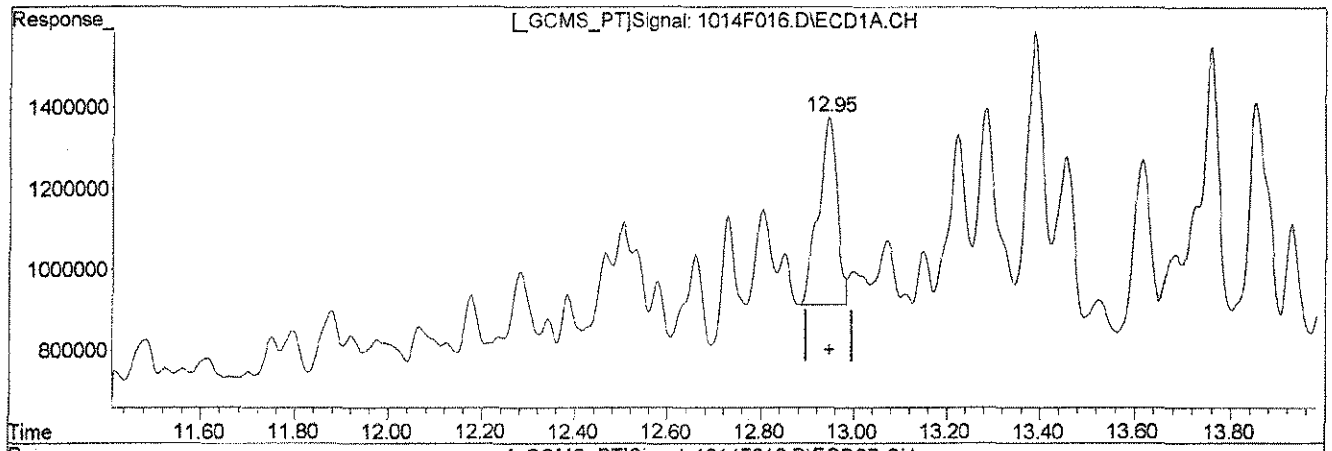
Before

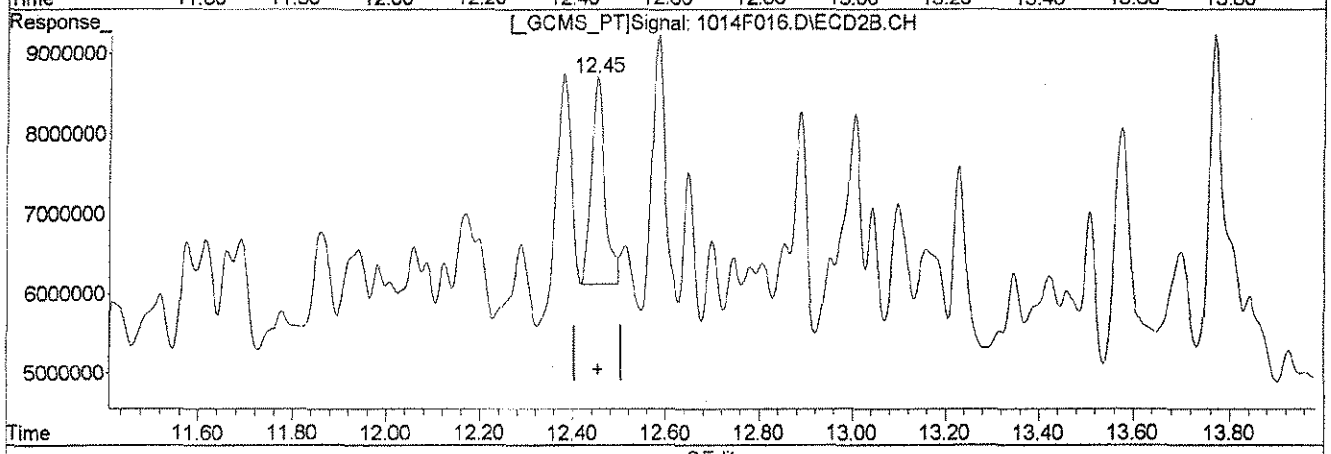
(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:31:47 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.95min 7196.331ug/L m

response 1305577

(28) Toxaphene {2} #2

12.45min 1639.700ug/L m

response 5208742

Manual Integration:

After

Baseline/Shoulder

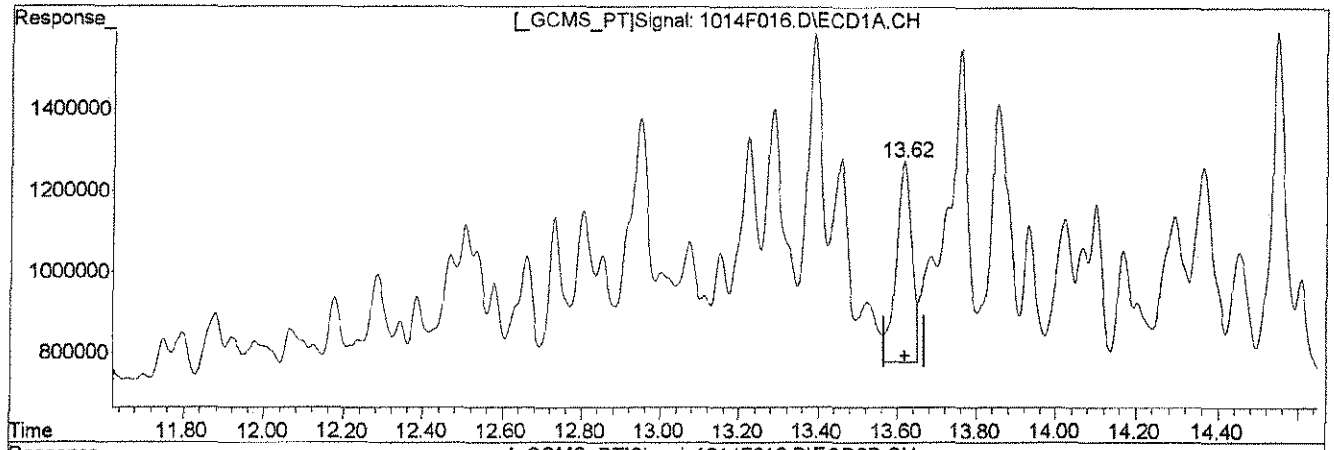
10/15/10

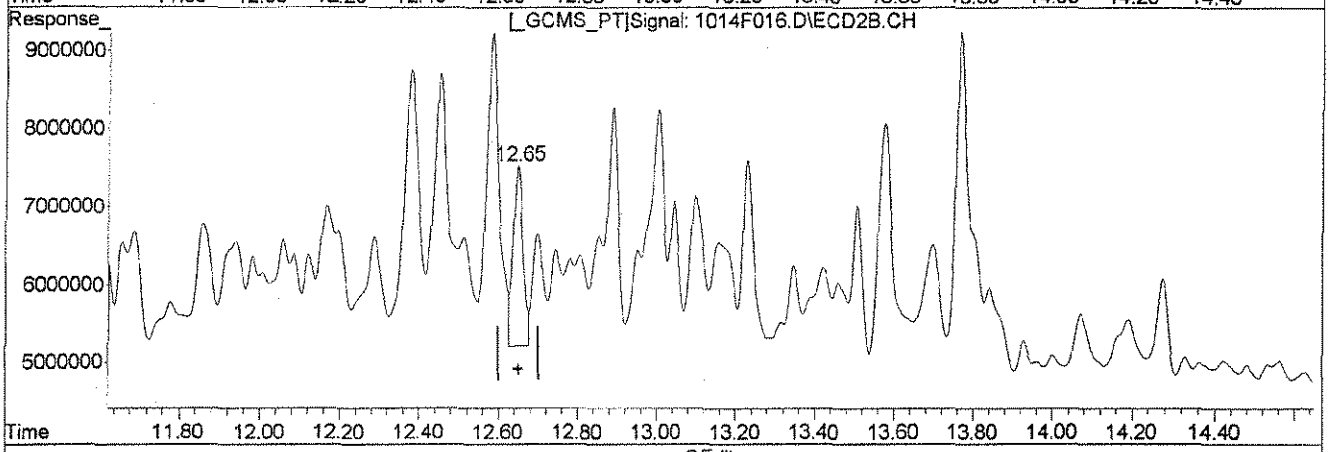
(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:31:59 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene {3}

13.62min 5572.447ug/L

response 1357116

(29) Toxaphene {3} #2

12.65min 2542.064ug/L

response 4027877

Manual Integration:

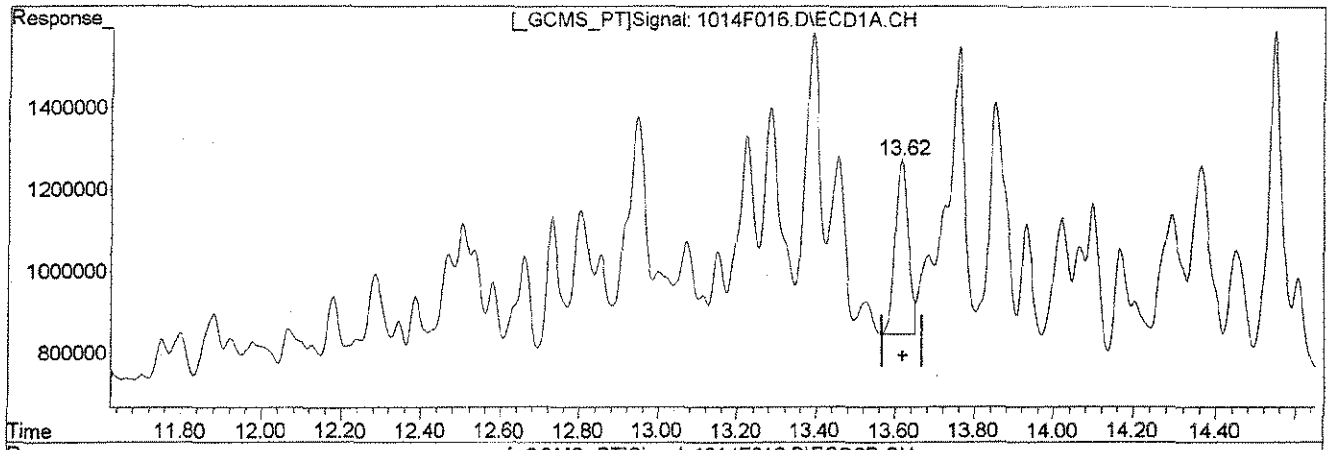
Before

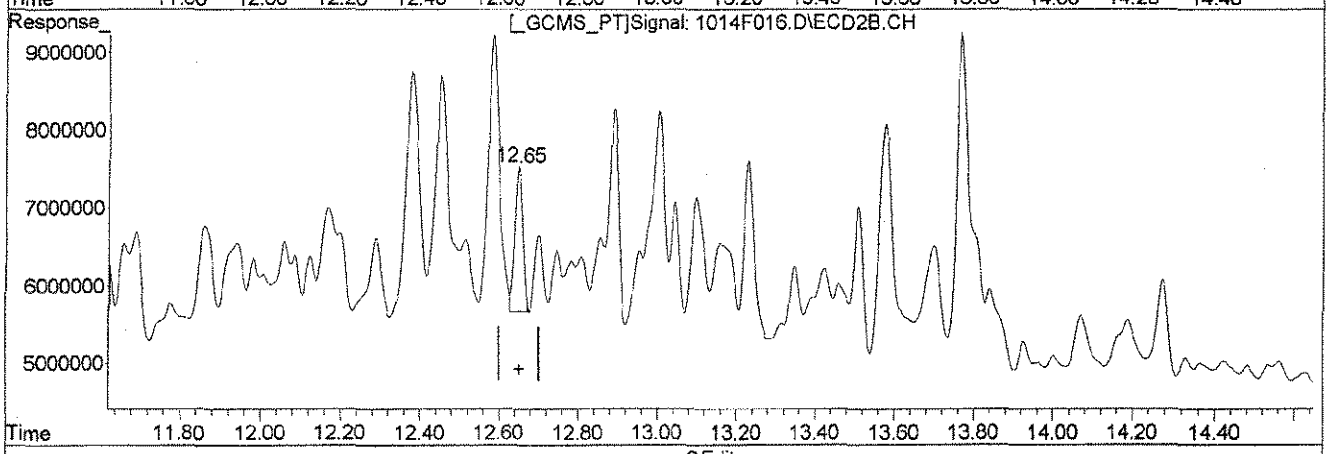
(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:32:03 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene {3}

13.62min 4139.182ug/L m

response 1008058

(29) Toxaphene {3} #2

12.65min 1702.497ug/L m

response 2697591

Manual Integration:

After

Baseline/Shoulder

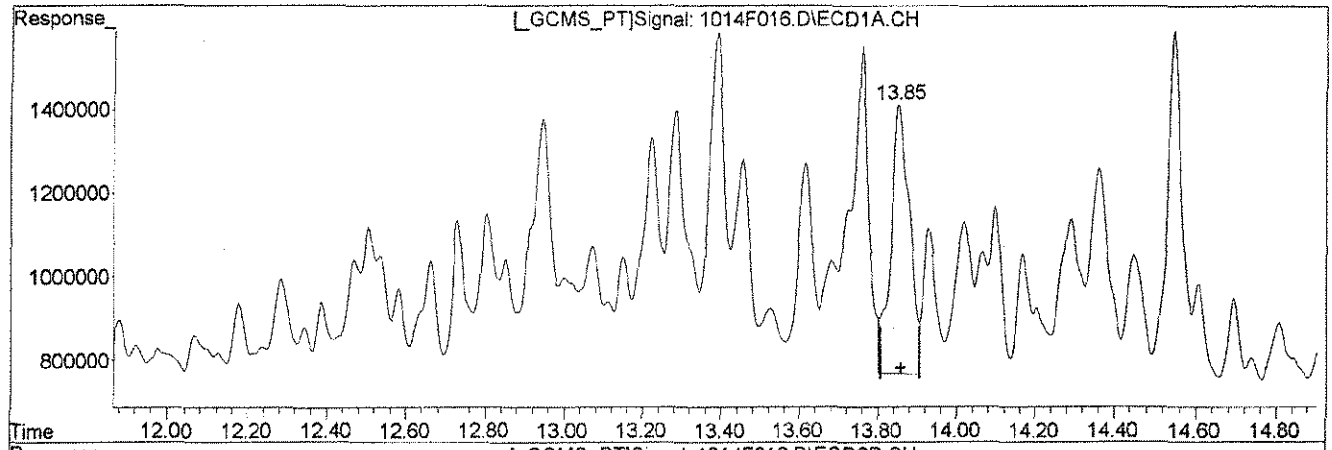
10/15/10 10/15/10

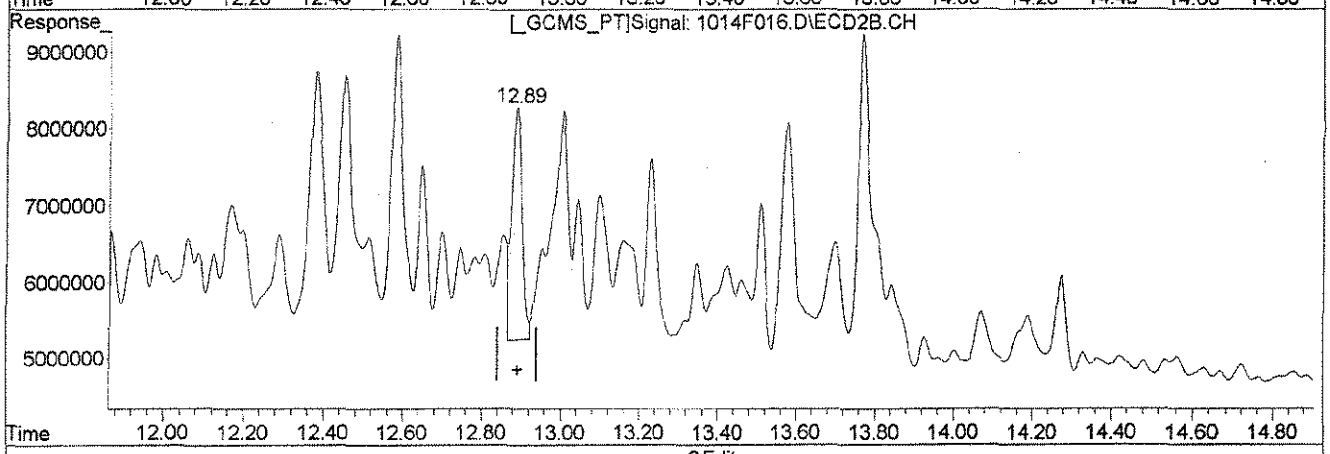
(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:32:15 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(30) Toxaphene {4}

13.85min 3726.159ug/L

response 2182412

(30) Toxaphene {4} #2

12.89min 2106.103ug/L

response 5593886

Manual integration:

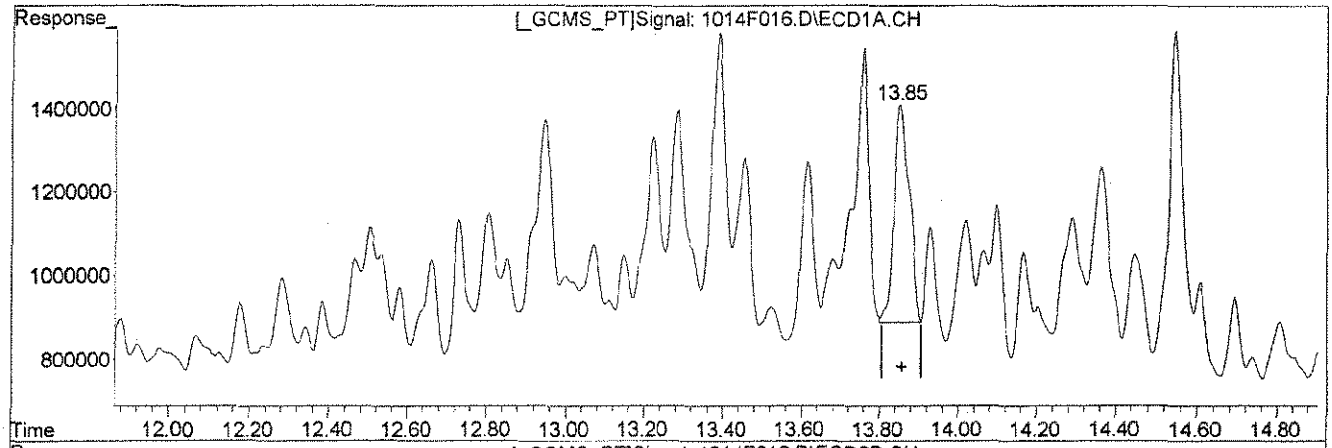
Before

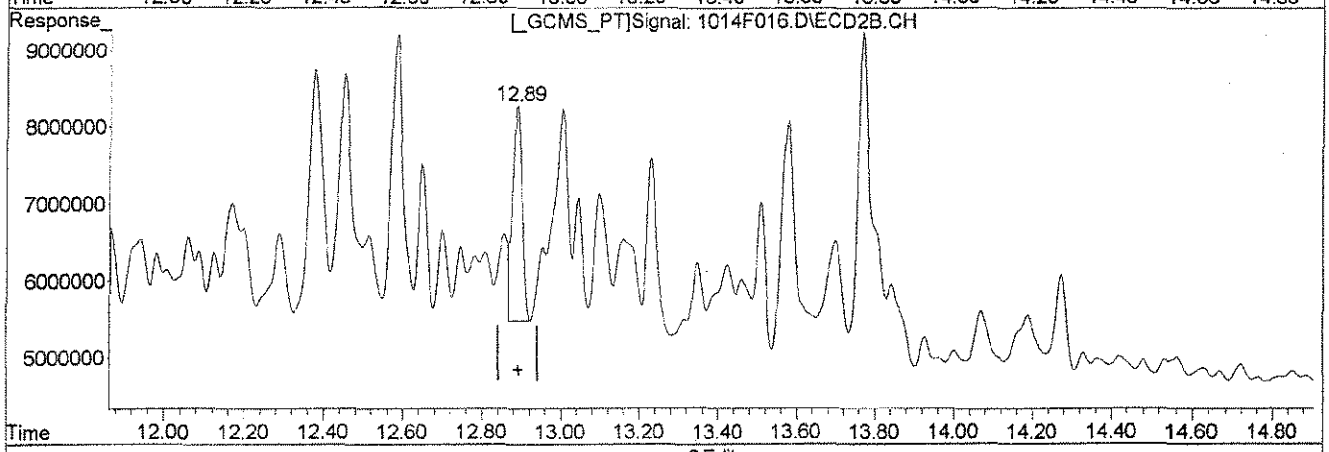
(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:32:18 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(30) Toxaphene {4}

13.85min 2415.661ug/L m

response 1414853

(30) Toxaphene {4} #2

12.89min 1802.822ug/L m

response 4788361

Manual Integration:

After

Baseline/Shoulder

10/15/10

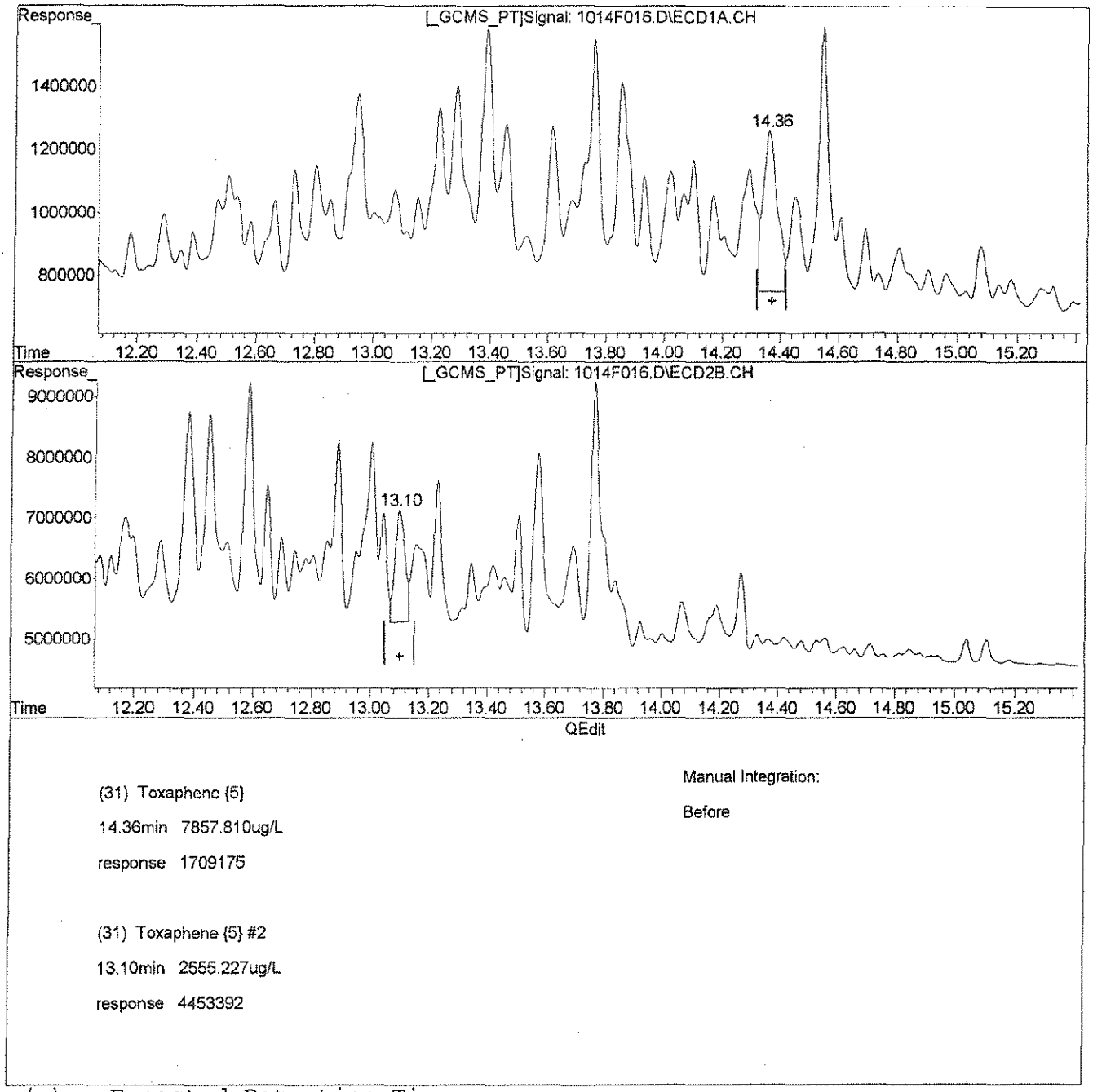
(+) = Expected Retention Time

1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:32:33 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration



(31) Toxaphene {5}

14.36min 7857.810ug/L

response 1709175

(31) Toxaphene {5} #2

13.10min 2555.227ug/L

response 4453392

Manual Integration:

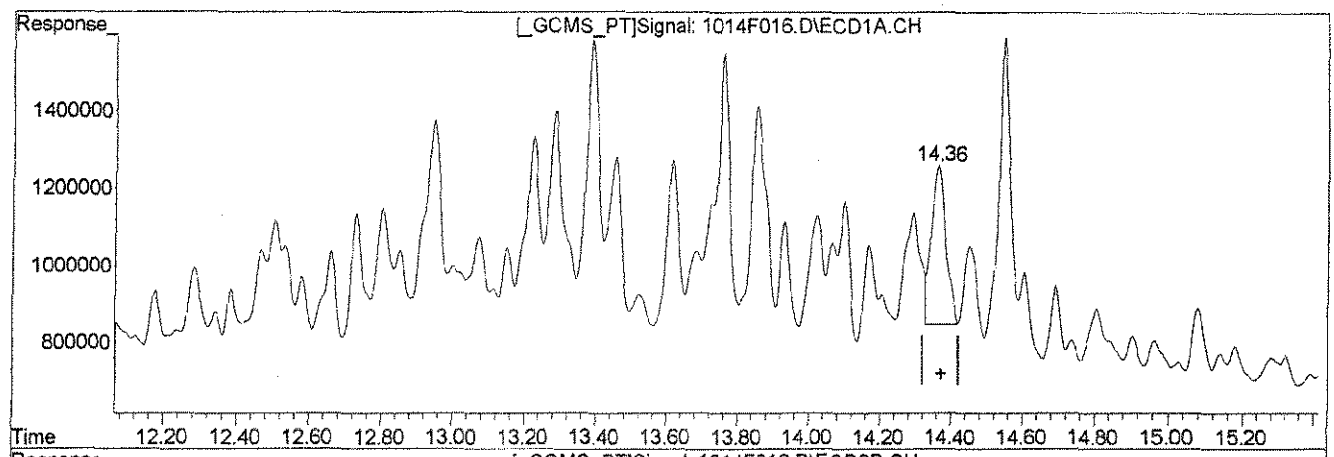
Before

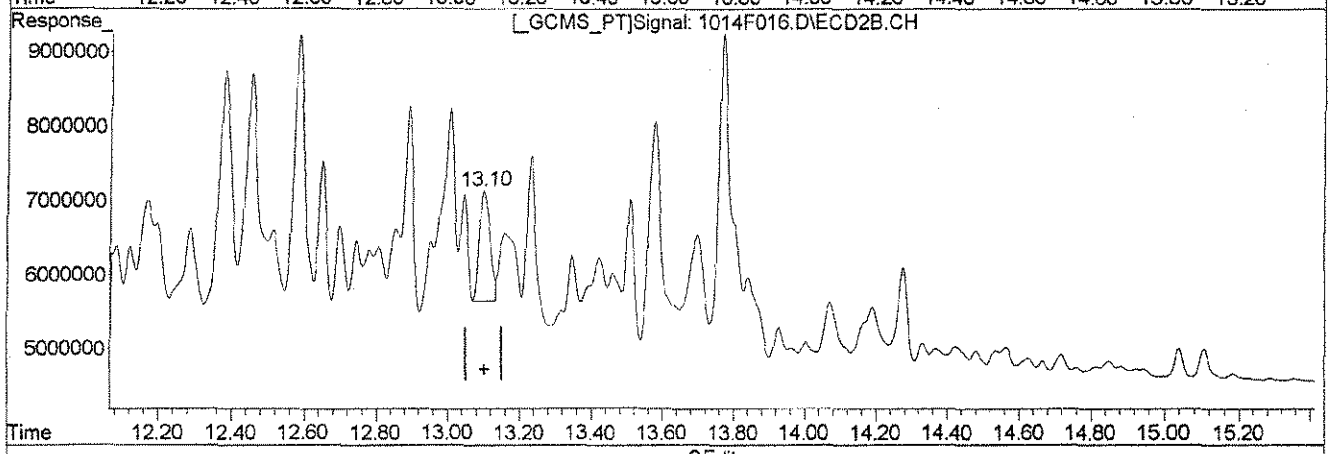
(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:32:36 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.36min 5413.371ug/L m

response 1177478

(31) Toxaphene {5} #2

13.10min 1771.344ug/L m

response 3087197

Manual Integration:

After

Baseline/Shoulder

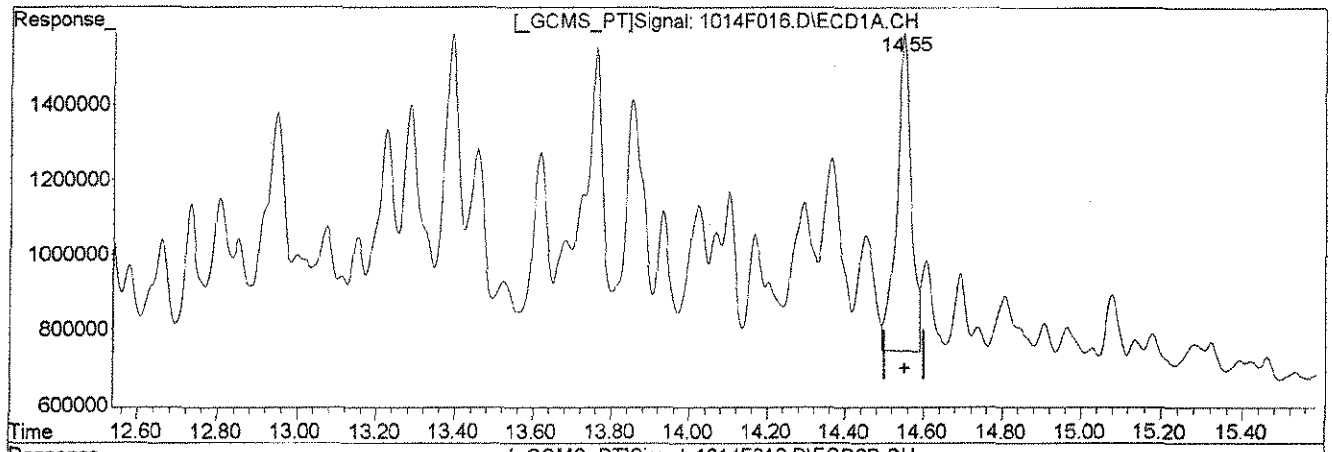
10/15/10

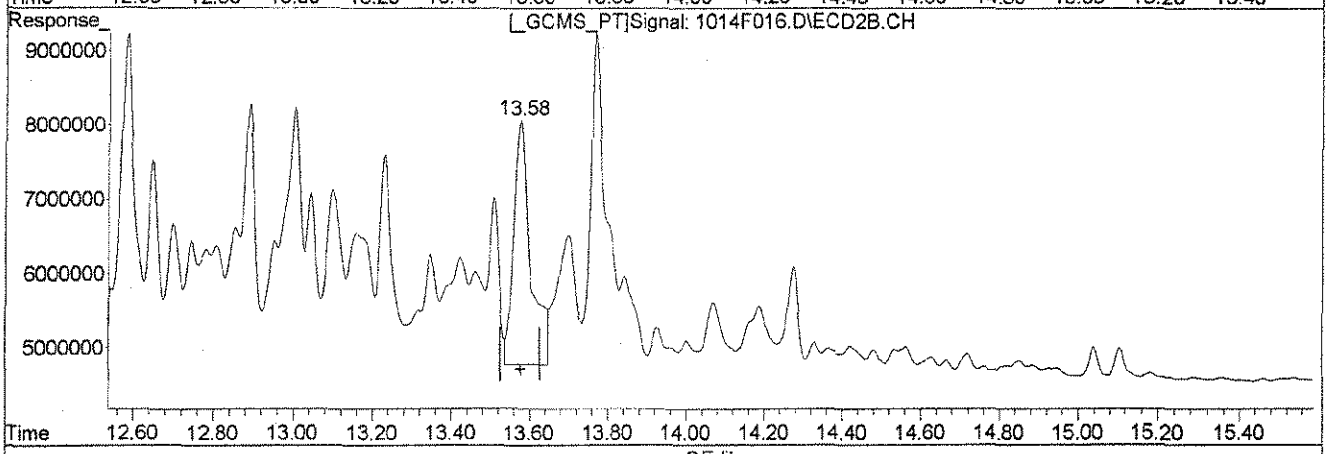
(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:32:49 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(32) Toxaphene {6}

14.55min 10119.183ug/L

response 2203019

(32) Toxaphene {6} #2

13.58min 2470.863ug/L

response 9927176

Manual Integration:

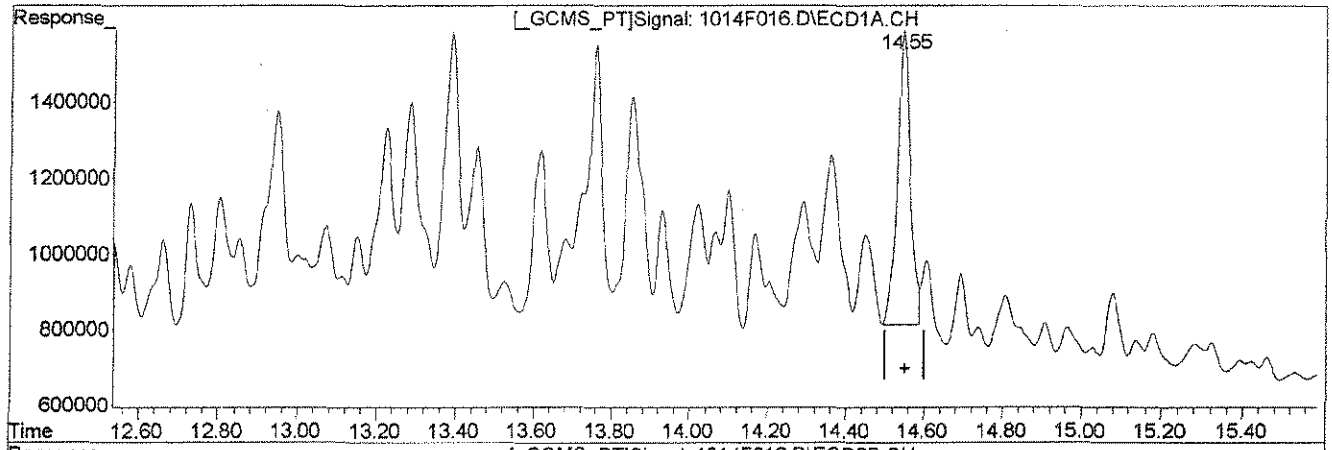
Before

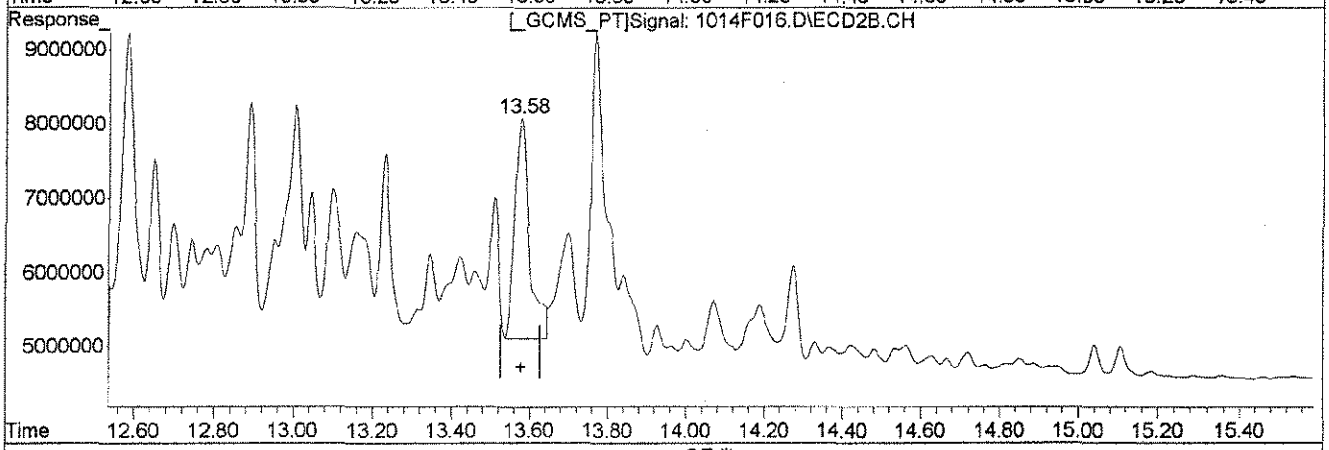
(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:32:53 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F016.D\ECD1A.CH Vial: 16
Signal #2 : J:\GC23\DATA\101410\1014F016.D\ECD2B.CH
Acq On : 14 Oct 2010 11:26 pm Operator: CCotnam
Sample : TOX @ 2000ppb GCPS6-71Q Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(32) Toxaphene {6}

14.55min 8140.098ug/L m

response 1772158

(32) Toxaphene {6} #2

13.58min 1921.833ug/L m

response 7721340

Manual Integration:

After

Baseline/Shoulder

10/15/10

(+) = Expected Retention Time
1014F016.D IS-GC23-101410-8081.M Fri Oct 15 10:33:06 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:50 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
26)	1-Bromo-2-nitrob	5.83	5.56	2110162	10760918	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
27)	Toxaphene	12.66	12.38	1327339	18693415	6899.631m	4259.687m#
28)	Toxaphene {2}	12.94	12.45	3266113	13322610	18238.448m	4225.750m#
29)	Toxaphene {3}	13.62	12.65	2522778	6560677	10494.361m	4171.976m#
30)	Toxaphene {4}	13.85	12.89	3428276	11484863	5929.915m	4356.871m#
31)	Toxaphene {5}	14.36	13.10	2932096	7547412	13656.557m	4363.344m#
32)	Toxaphene {6}	14.55	13.57	5813105	19432359	27051.004	4873.391 #

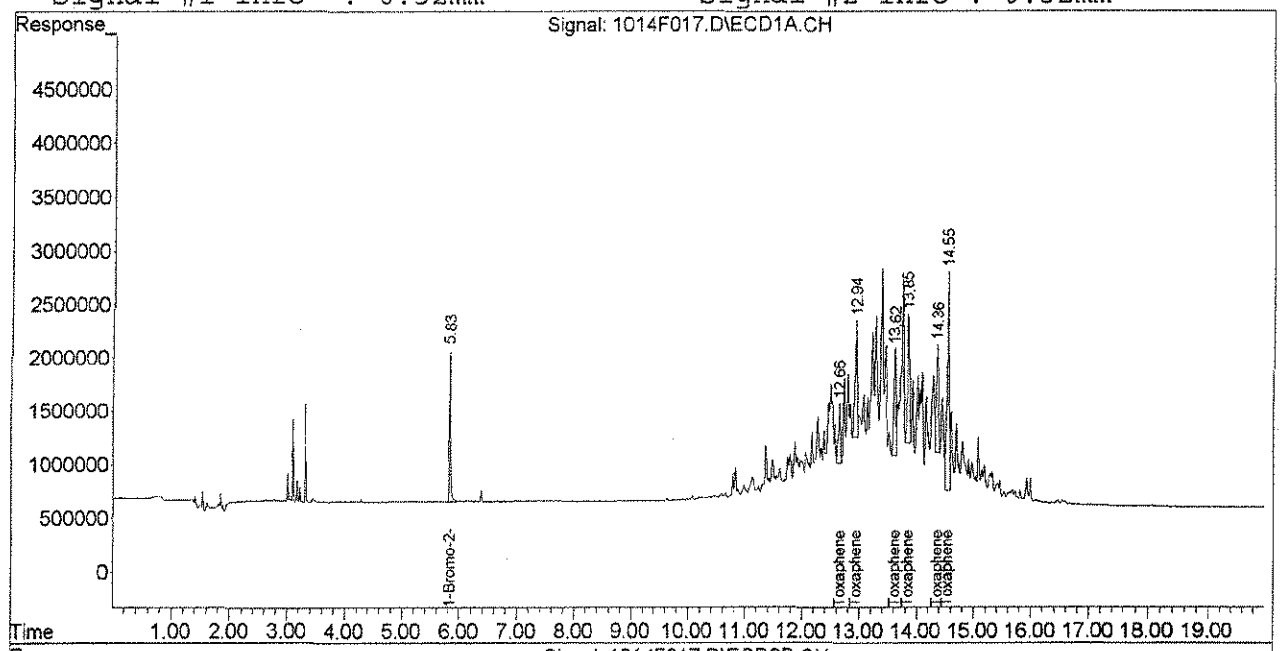
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

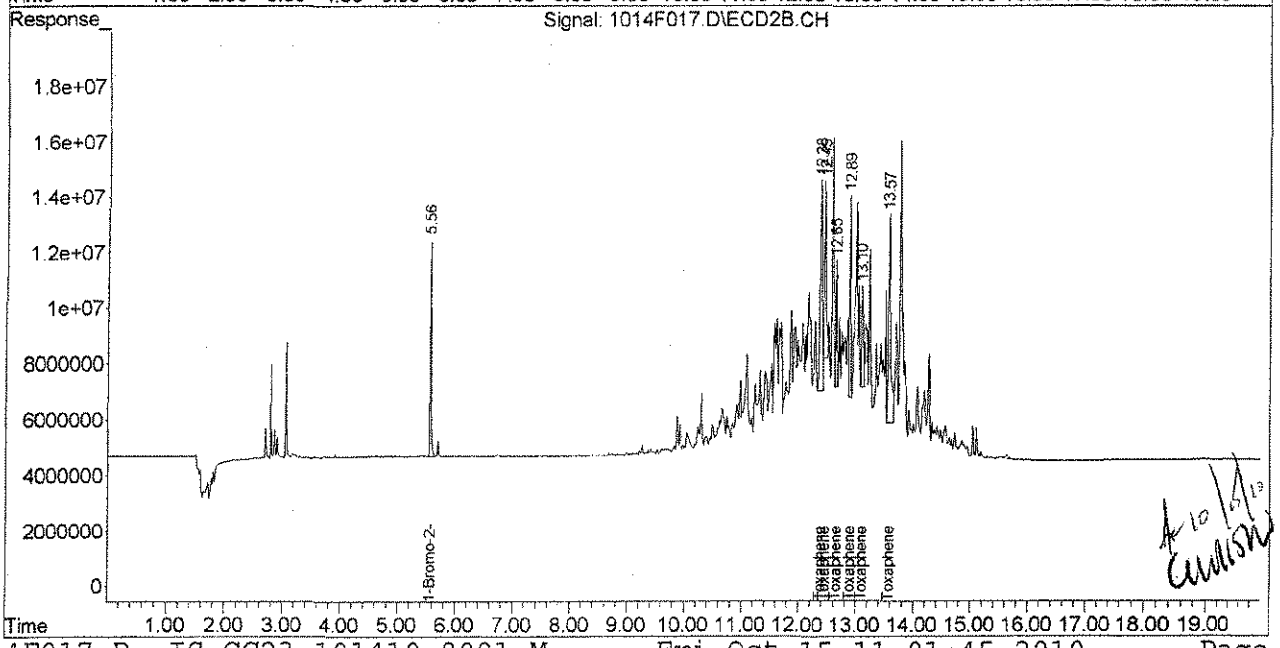
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:34 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

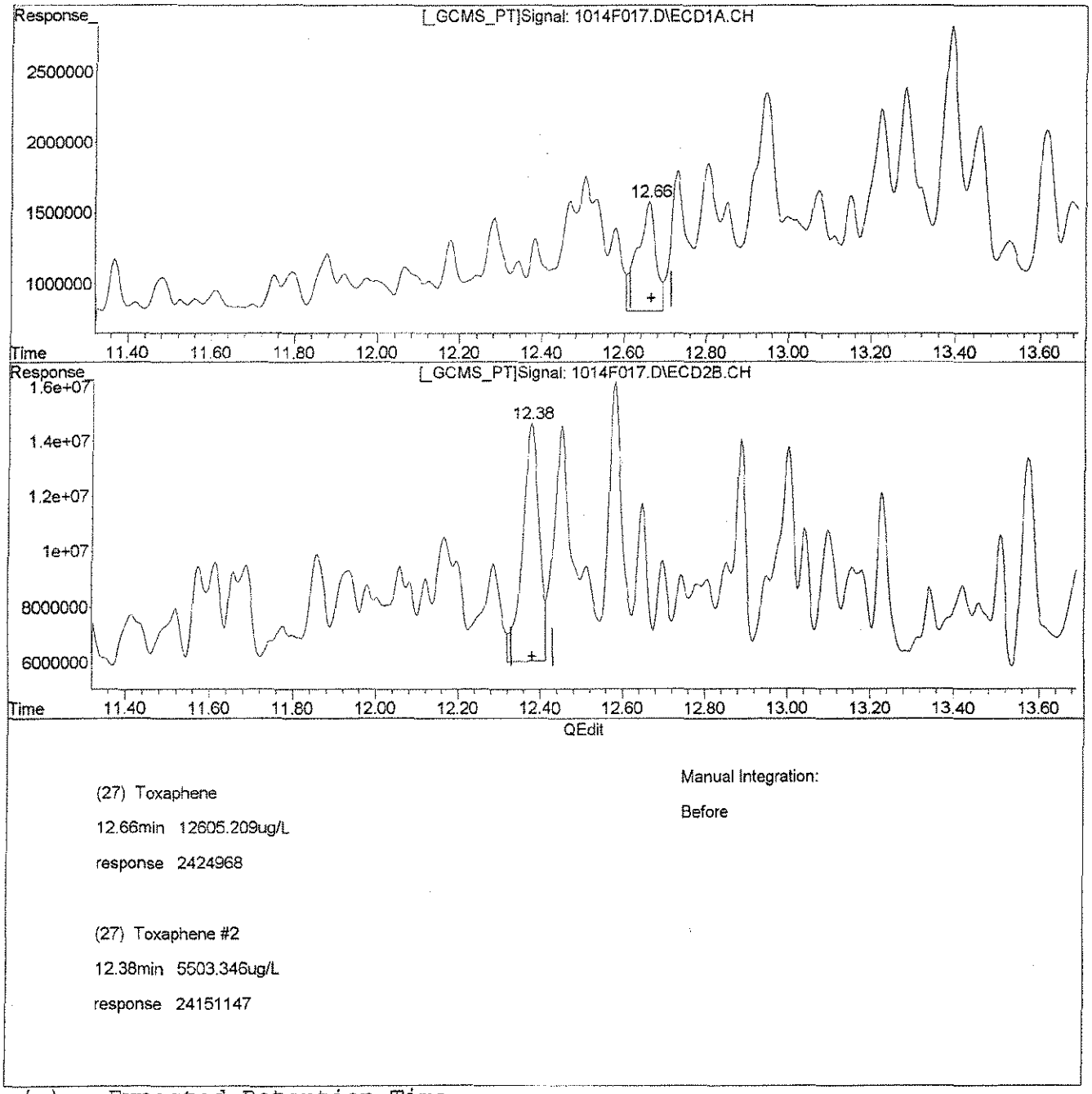




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration

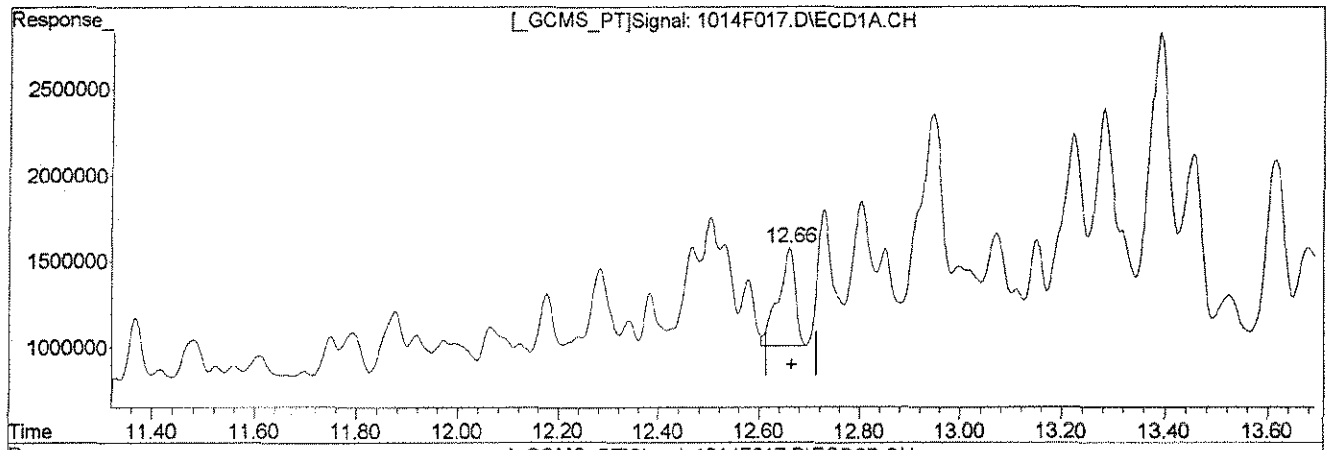


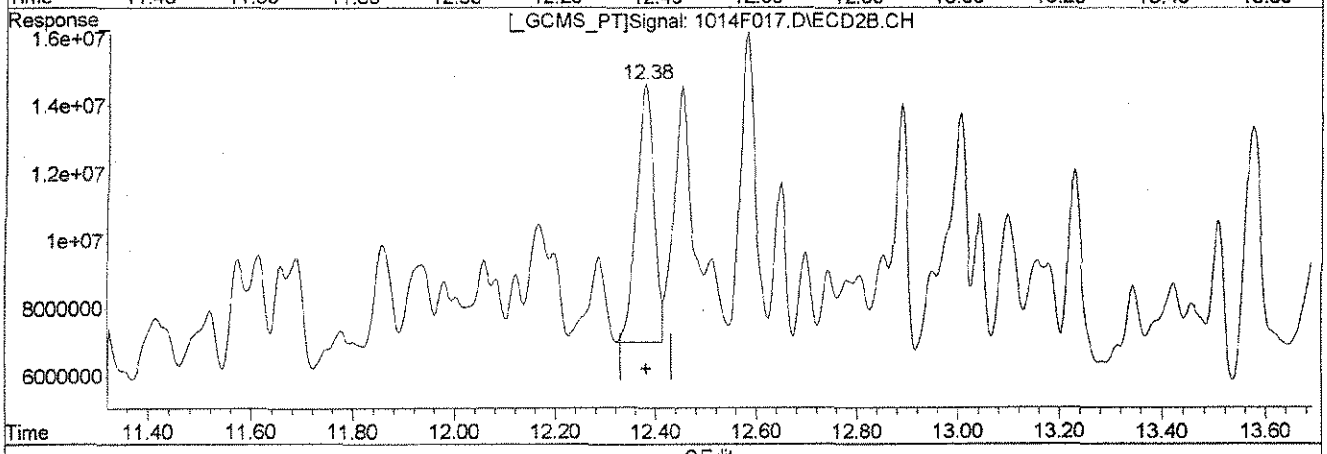
(+) = Expected Retention Time
1014F017.D IS-GC23-101410-8081.M Fri Oct 15 10:33:26 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(27) Toxaphene
12.66min 6899.631ug/L m
response 1327339

(27) Toxaphene #2
12.38min 4259.687ug/L m
response 18693415

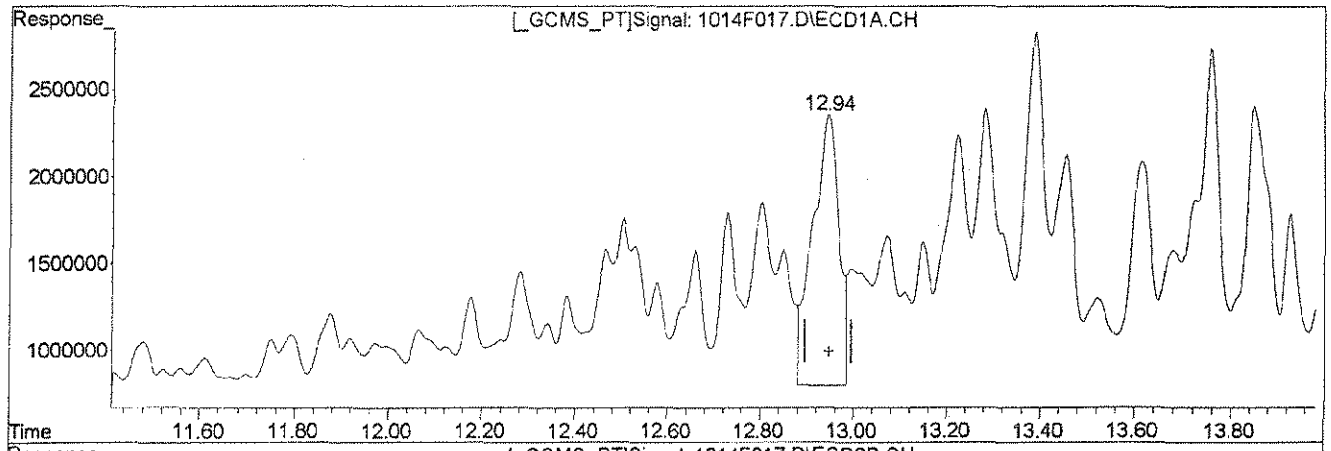
Manual Integration:
After
Baseline/Shoulder
10/15/10

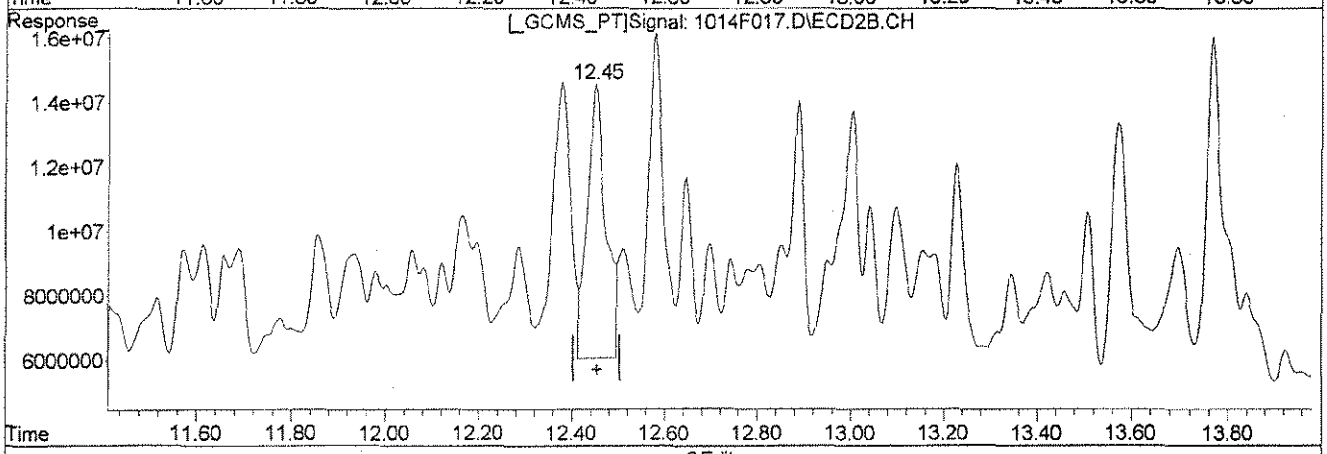
(+) = Expected Retention Time
1014F017.D IS-GC23-101410-8081.M Fri Oct 15 10:33:38 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.94min 34142.813ug/L

response 6114242

(28) Toxaphene {2} #2

12.45min 7578.463ug/L

response 23892780

Manual Integration:

Before

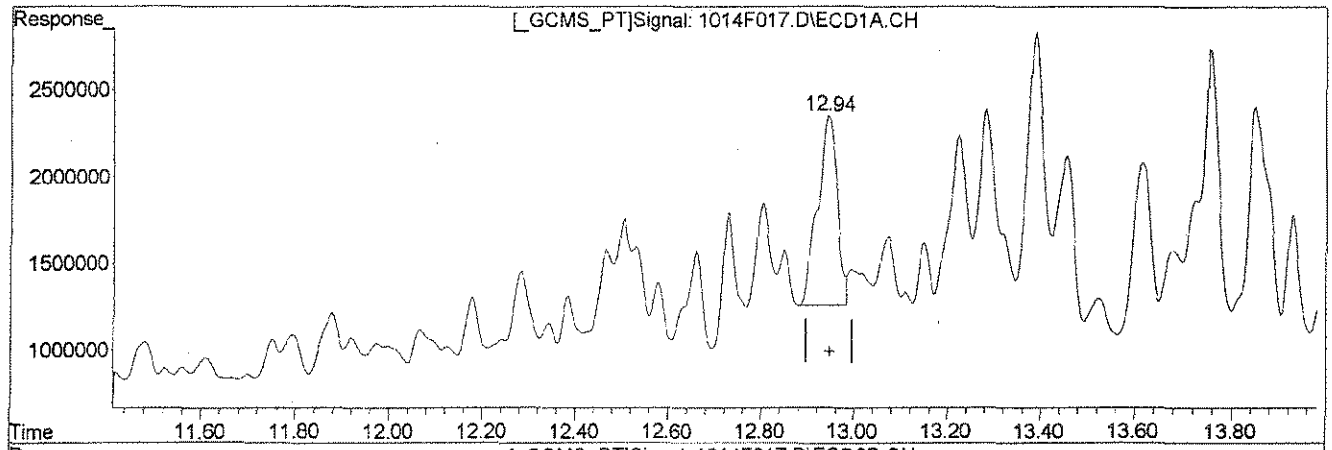
(+) = Expected Retention Time

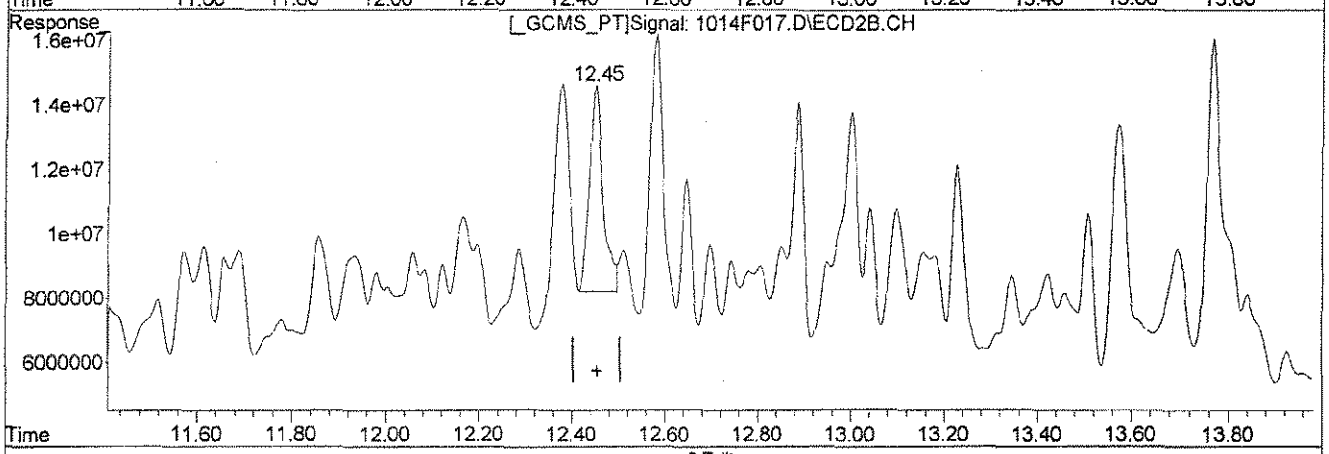
1014F017.D IS-GC23-101410-8081.M Fri Oct 15 10:33:41 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(28) Toxaphene {2}

12.94min 18238.448ug/L m

response 3266113

(28) Toxaphene {2} #2

12.45min 4225.750ug/L m

response 13322610

Manual Integration:

After

Baseline/Shoulder

10/15/10

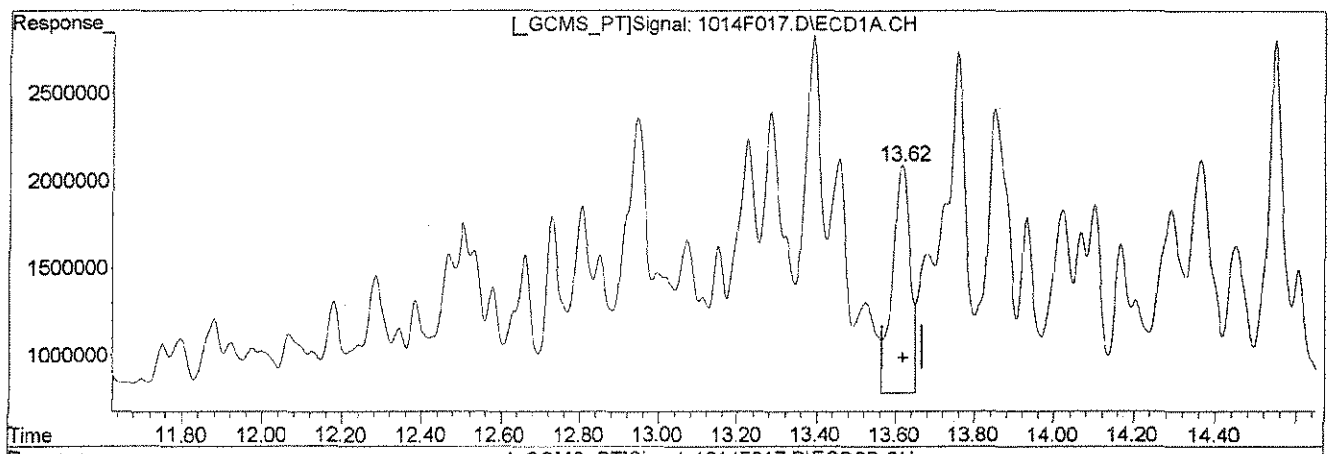
(+) = Expected Retention Time

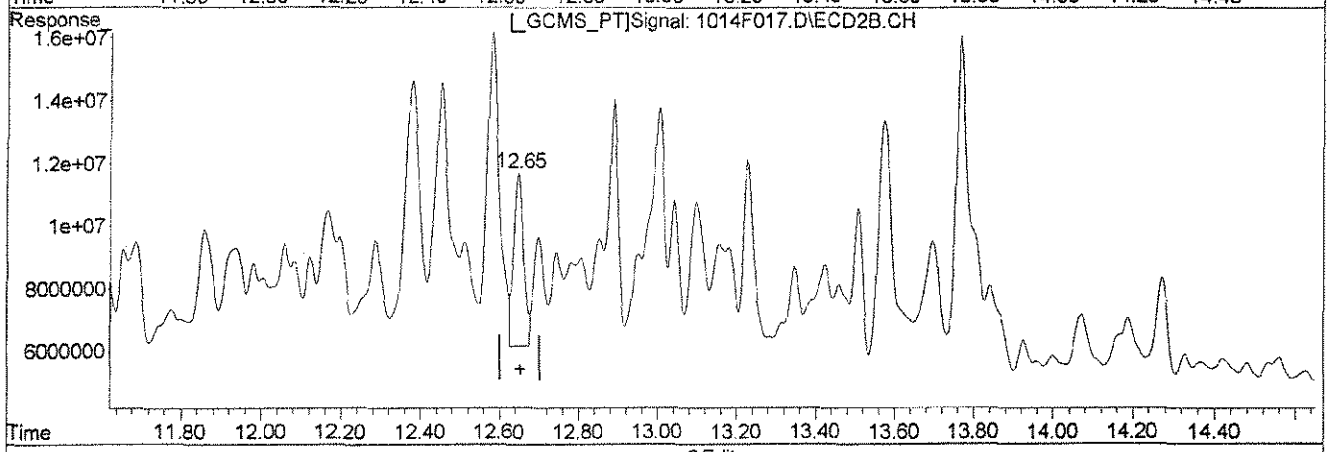
1014F017.D IS-GC23-101410-8081.M Fri Oct 15 10:33:55 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene {3}

13.62min 17060.874ug/L

response 4101326

(29) Toxaphene {3} #2

12.65min 6087.836ug/L

response 9573479

Manual Integration:

Before

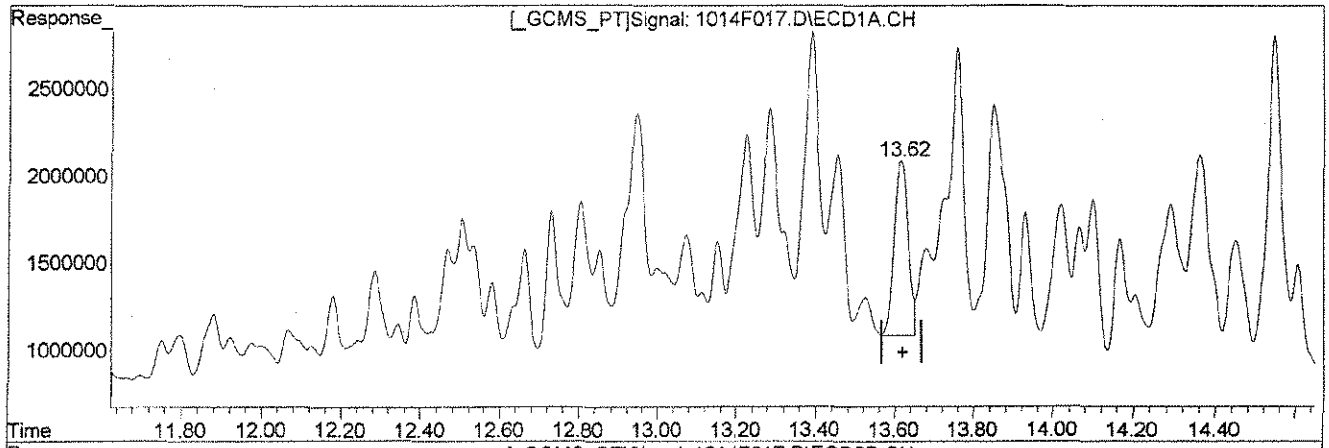
(+) = Expected Retention Time

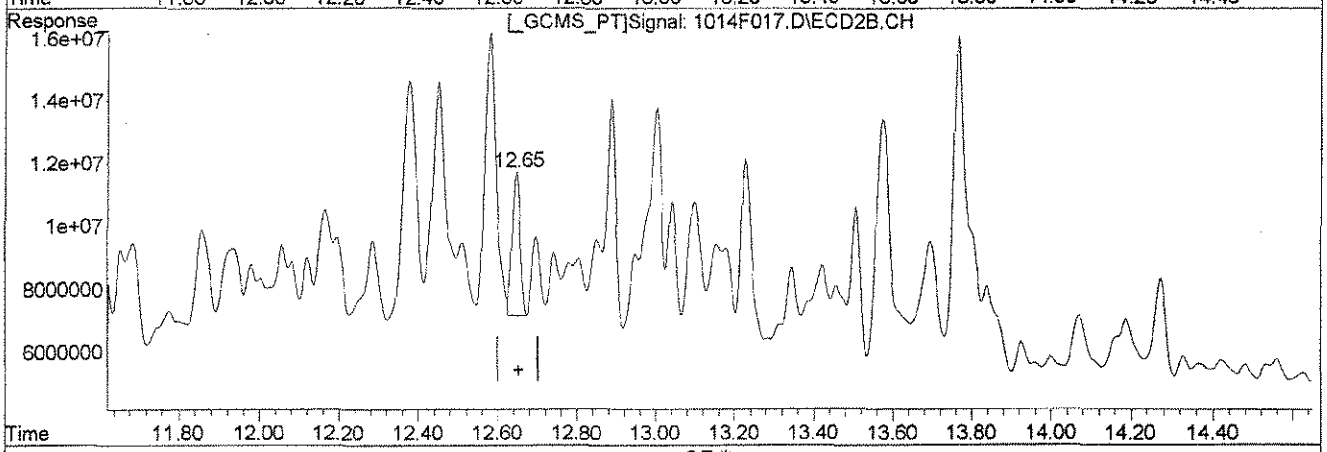
1014F017.D IS-GC23-101410-8081.M Fri Oct 15 10:33:59 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene {3}

13.62min 10494.361ug/L m

response 2522778

(29) Toxaphene {3} #2

12.65min 4171.976ug/L m

response 6560677

Manual Integration:

After

Baseline/Shoulder

10/15/10

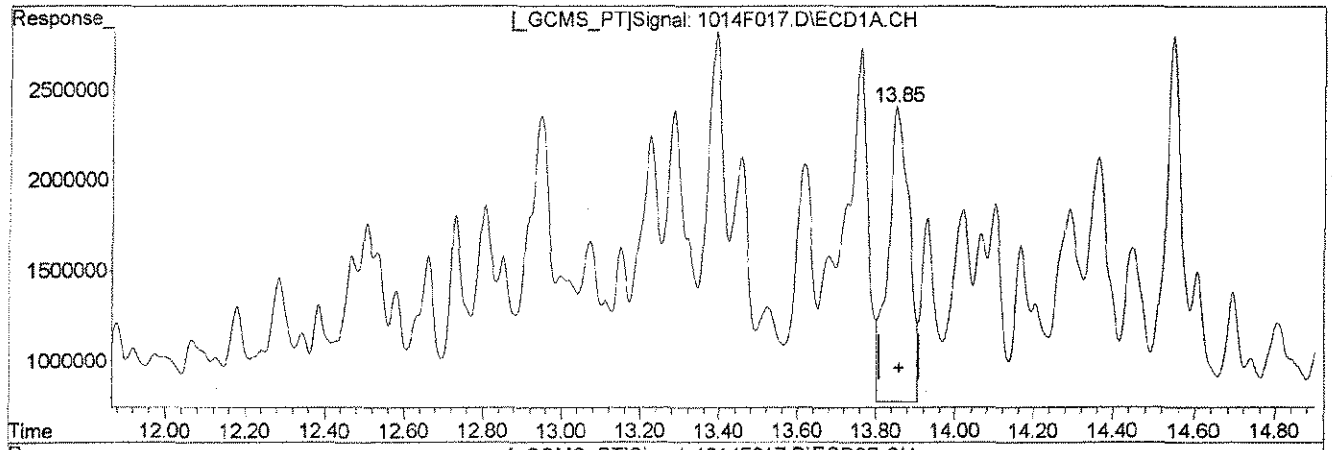
(+) = Expected Retention Time

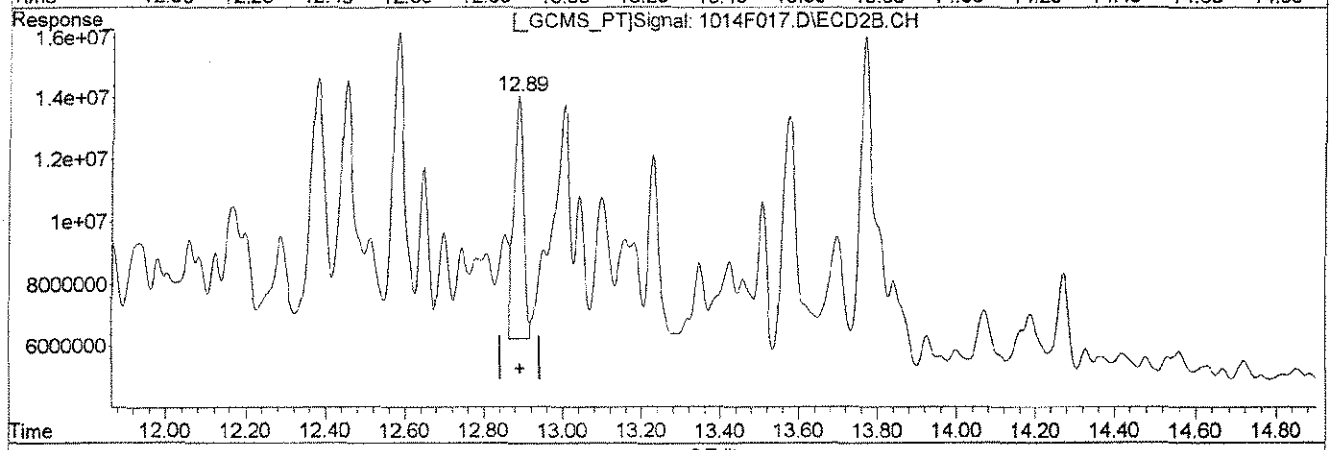
1014F017.D IS-GC23-101410-8081.M Fri Oct 15 10:34:12 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(30) Toxaphene {4}

13.85min 10544.301ug/L

response 6096002

(30) Toxaphene {4} #2

12.89min 5004.856ug/L

response 13192974

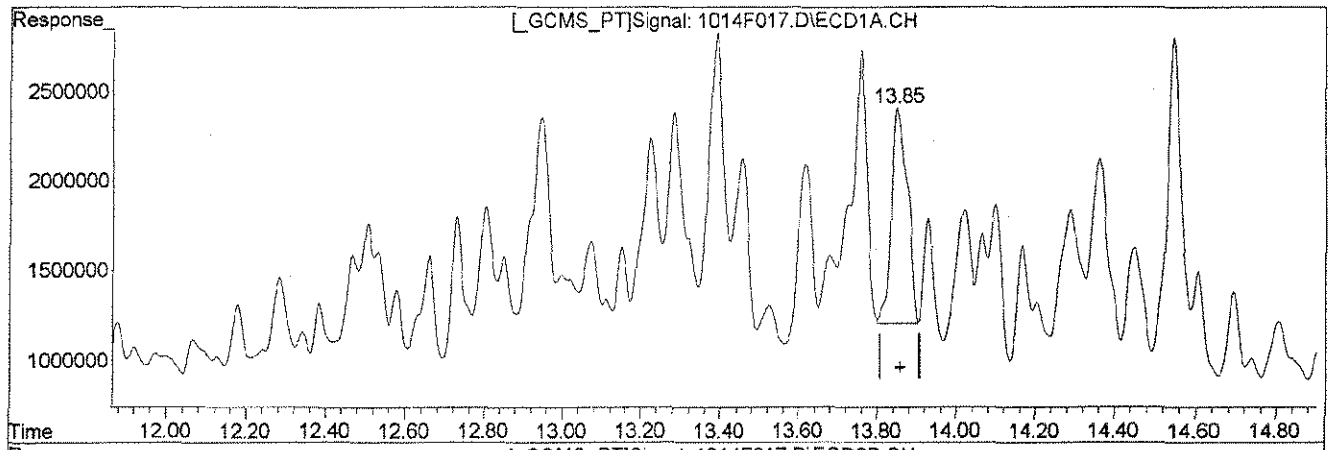
(+) = Expected Retention Time

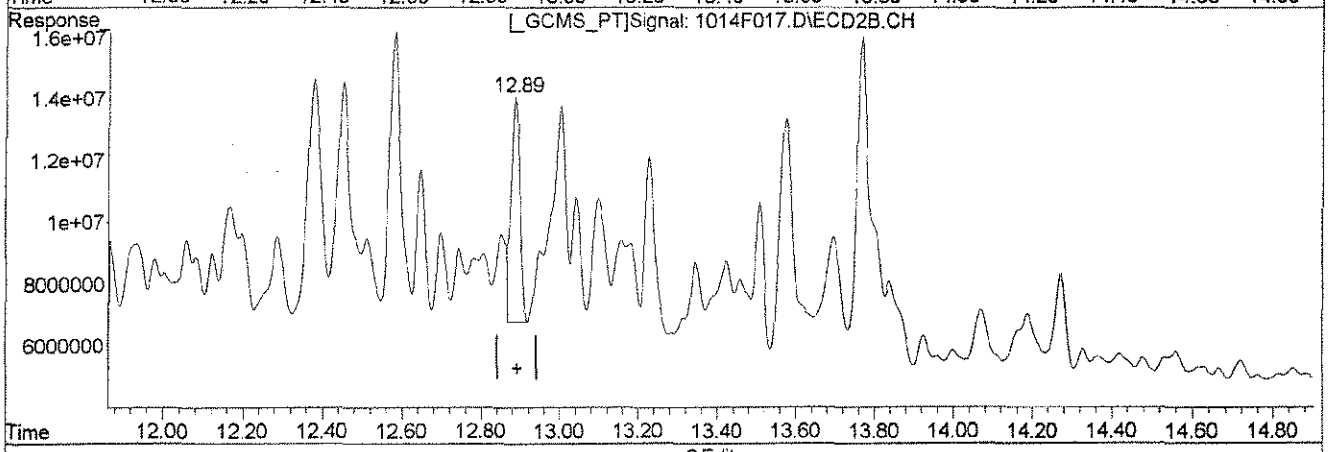
1014F017.D IS-GC23-101410-8081.M Fri Oct 15 10:34:15 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





(30) Toxaphene {4}

13.85min 5929.915ug/L m

response 3428276

(30) Toxaphene {4} #2

12.89min 4356.871ug/L m

response 11484863

Manual Integration:

After

Baseline/Shoulder

10/15/10

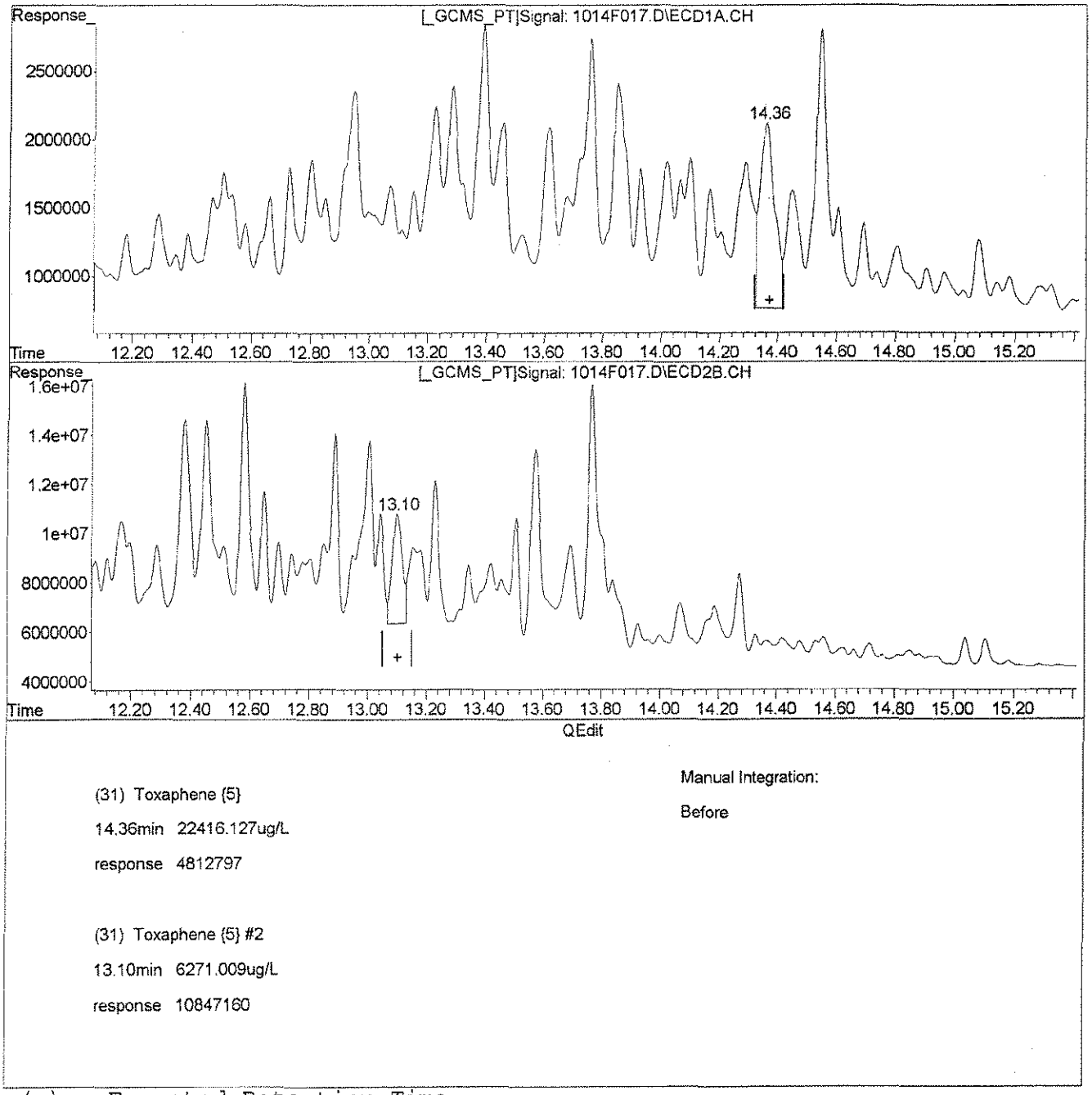
(+) = Expected Retention Time

1014F017.D IS-GC23-101410-8081.M Fri Oct 15 10:34:26 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration

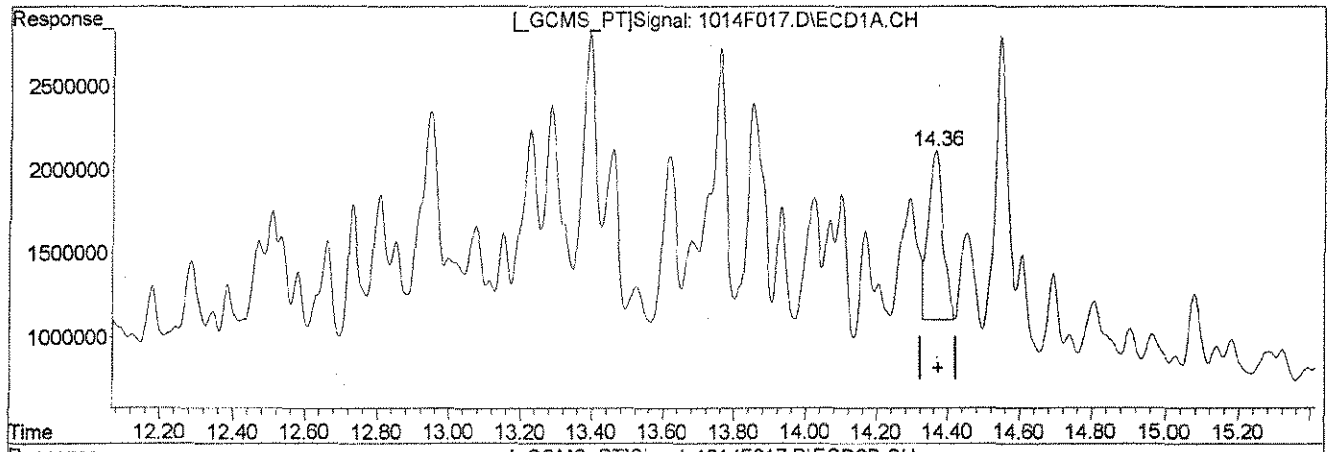


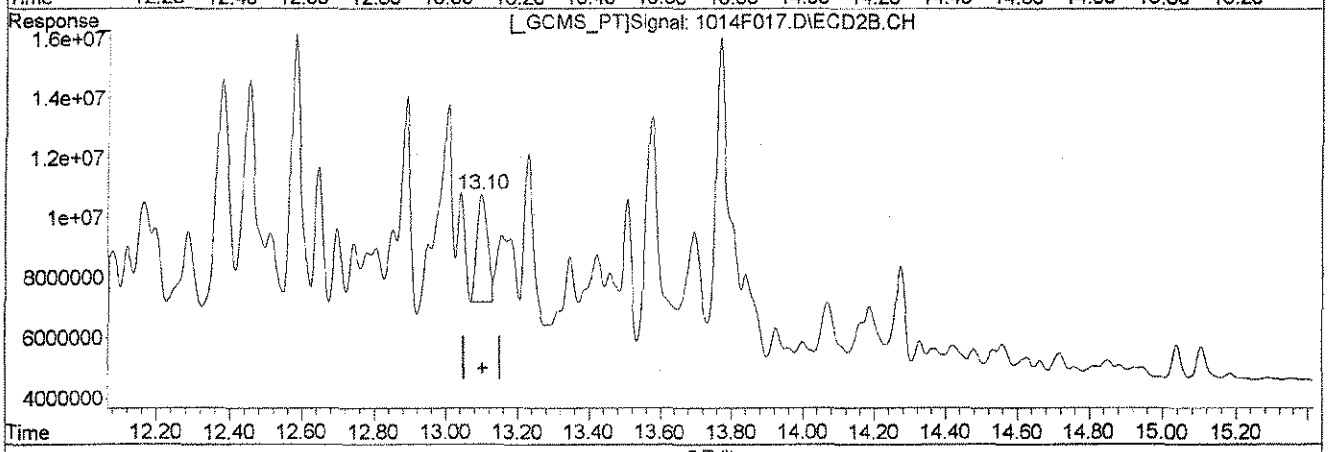
(+) = Expected Retention Time
1014F017.D IS-GC23-101410-8081.M Fri Oct 15 10:34:29 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F017.D\ECD1A.CH Vial: 17
Signal #2 : J:\GC23\DATA\101410\1014F017.D\ECD2B.CH
Acq On : 14 Oct 2010 11:52 pm Operator: CCotnam
Sample : TOX @ 5000ppb GCPS6-72A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:23:10 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.36min 13656.557ug/L m

response 2932096

(31) Toxaphene {5} #2

13.10min 4363.344ug/L m

response 7547412

Manual Integration:

After

Baseline/Shoulder

10/15/10

(+) = Expected Retention Time

1014F017.D IS-GC23-101410-8081.M Fri Oct 15 10:34:40 2010

Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36:22 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
26)	1-Bromo-2-nitrob	5.84	5.57	2100000	10682697	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
27)	Toxaphene	12.67	12.38	315176	4395777	1084.163	1145.002m
28)	Toxaphene {2}	12.95	12.46	783146	3131905	1149.747m	1147.649m
29)	Toxaphene {3}	13.62	12.65	576322	1541084	1106.587	1077.395m
30)	Toxaphene {4}	13.85	12.89	802089	2710372	1057.129m	1131.227
31)	Toxaphene {5}	14.37	13.10	669207	1849036	1073.671m	1194.937m
32)	Toxaphene {6}	14.55	13.58	1000315	4239690	1014.044m	1144.686m

10/15/10

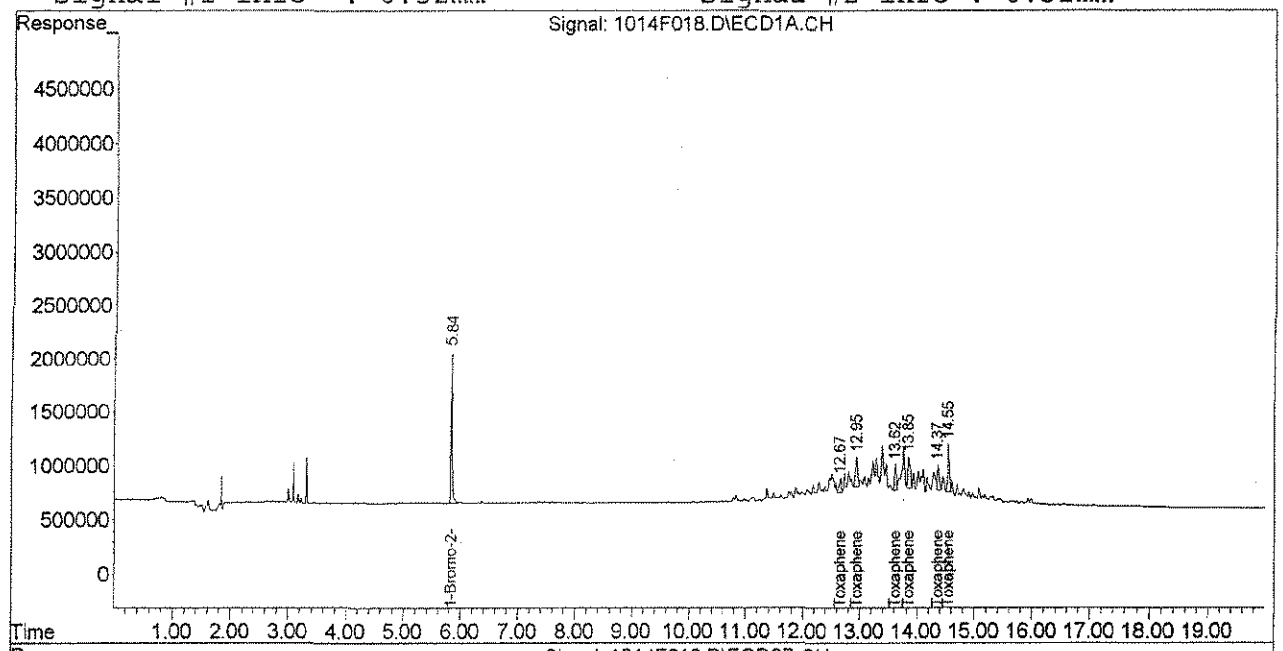
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

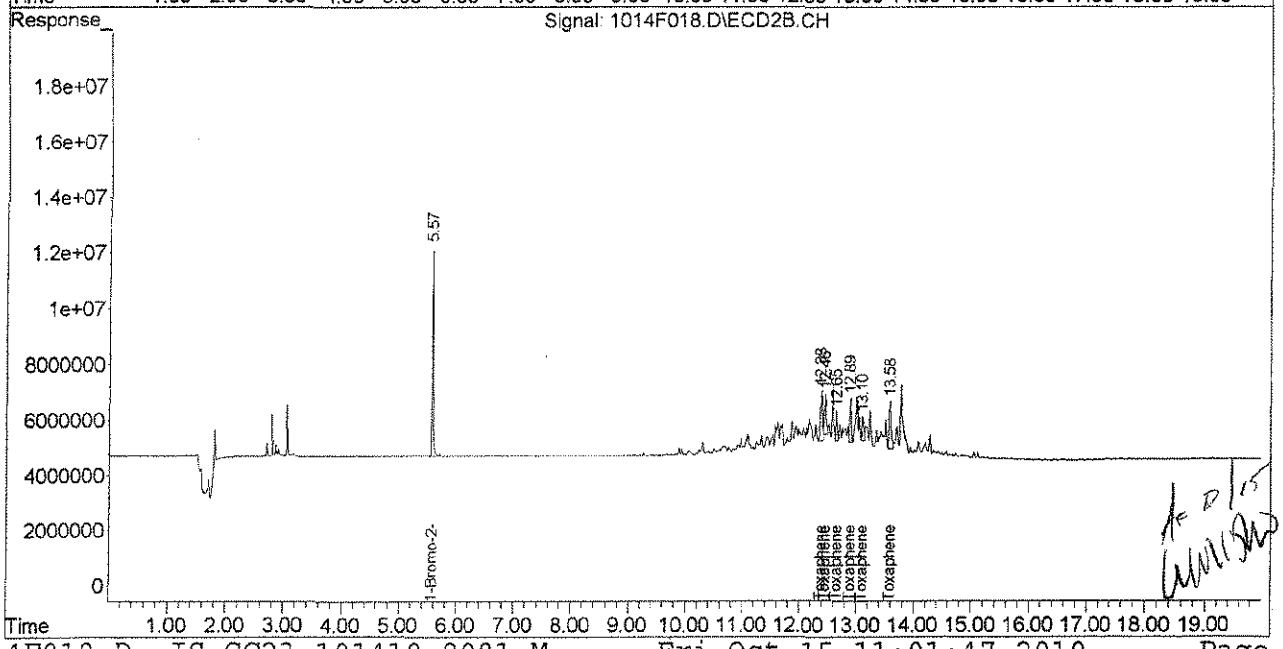
Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:38 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

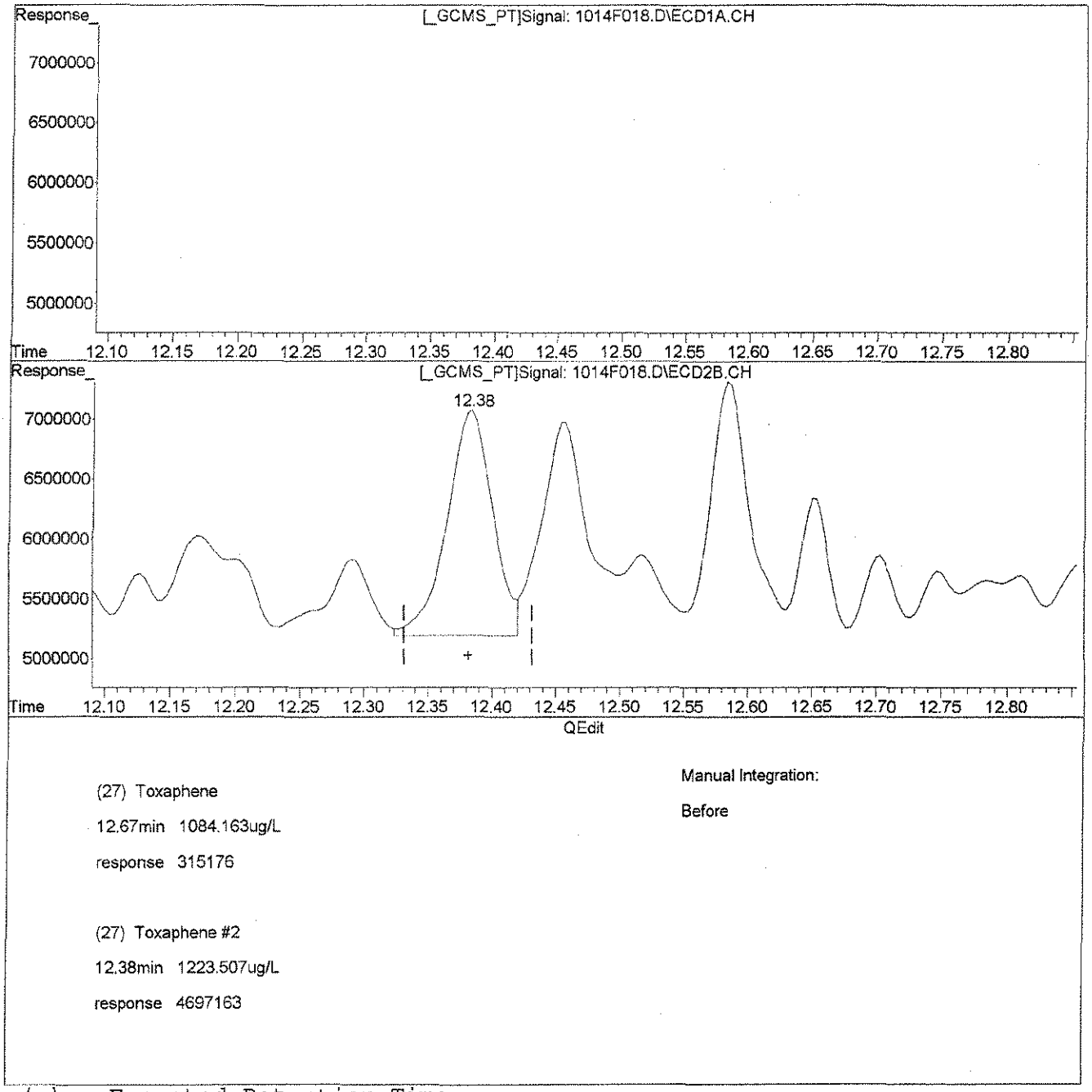




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration



(27) Toxaphene
12.67min 1084.163ug/L
response 315176

(27) Toxaphene #2
12.38min 1223.507ug/L
response 4697163

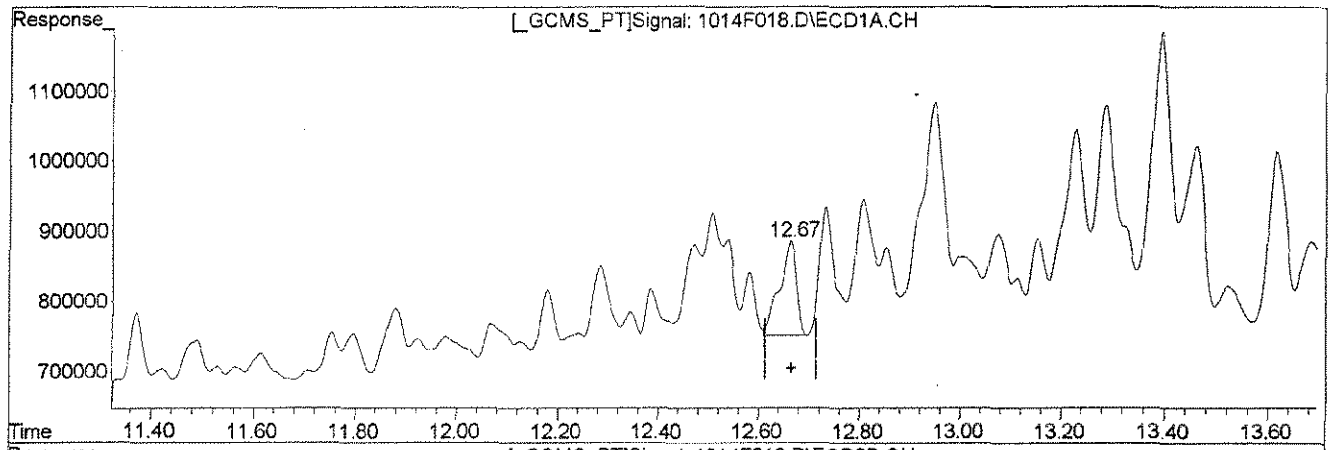
Manual Integration:
Before

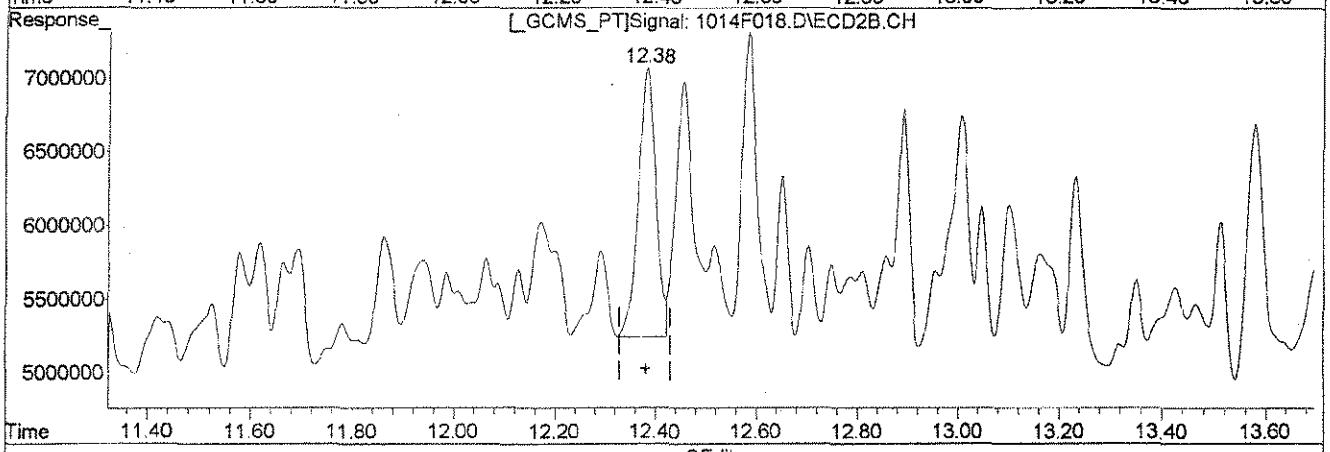
(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:36:46 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration





(27) Toxaphene
12.67min 1084.163ug/L
response 315176

(27) Toxaphene #2
12.38min 1145.002ug/L m
response 4395777

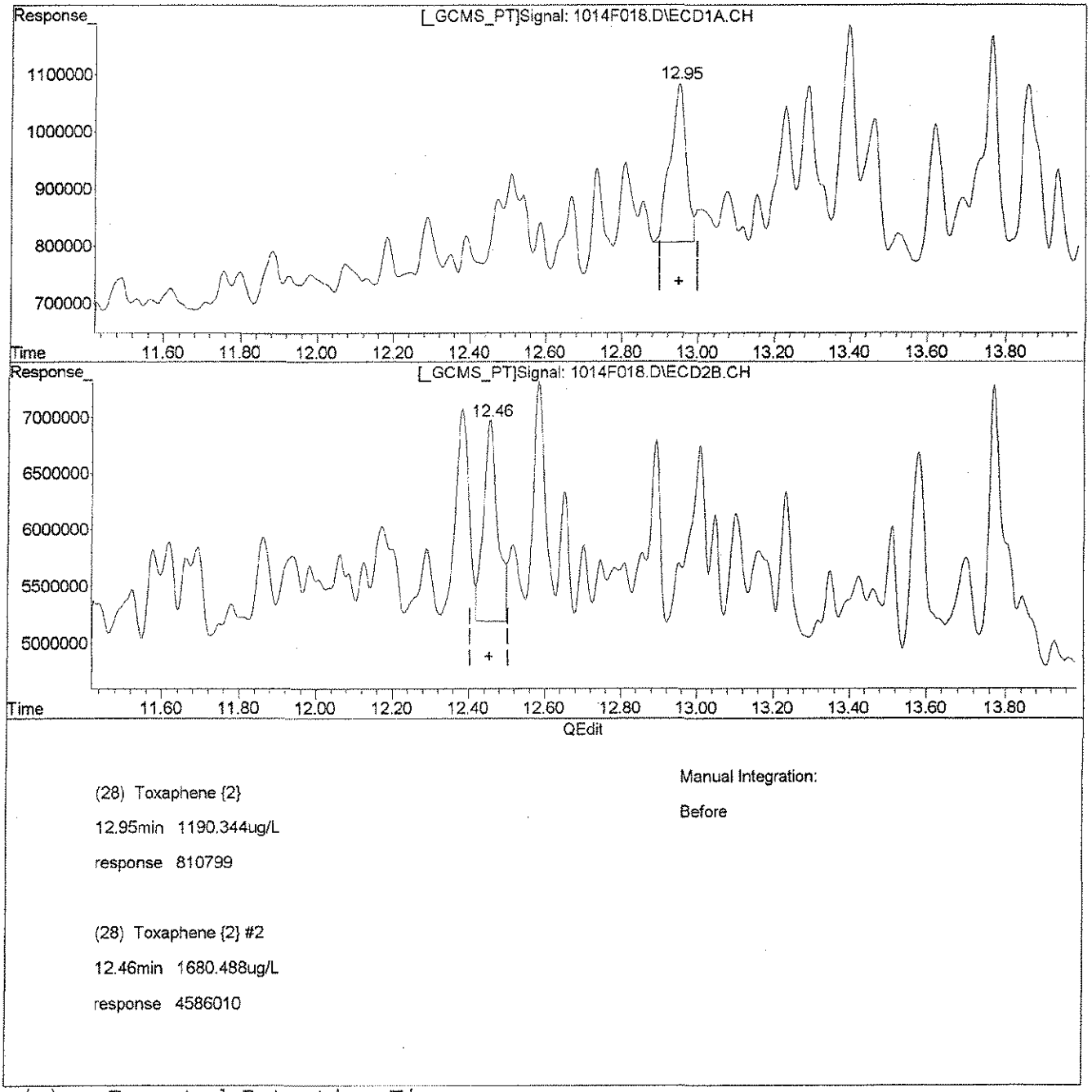
Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:36:54 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration

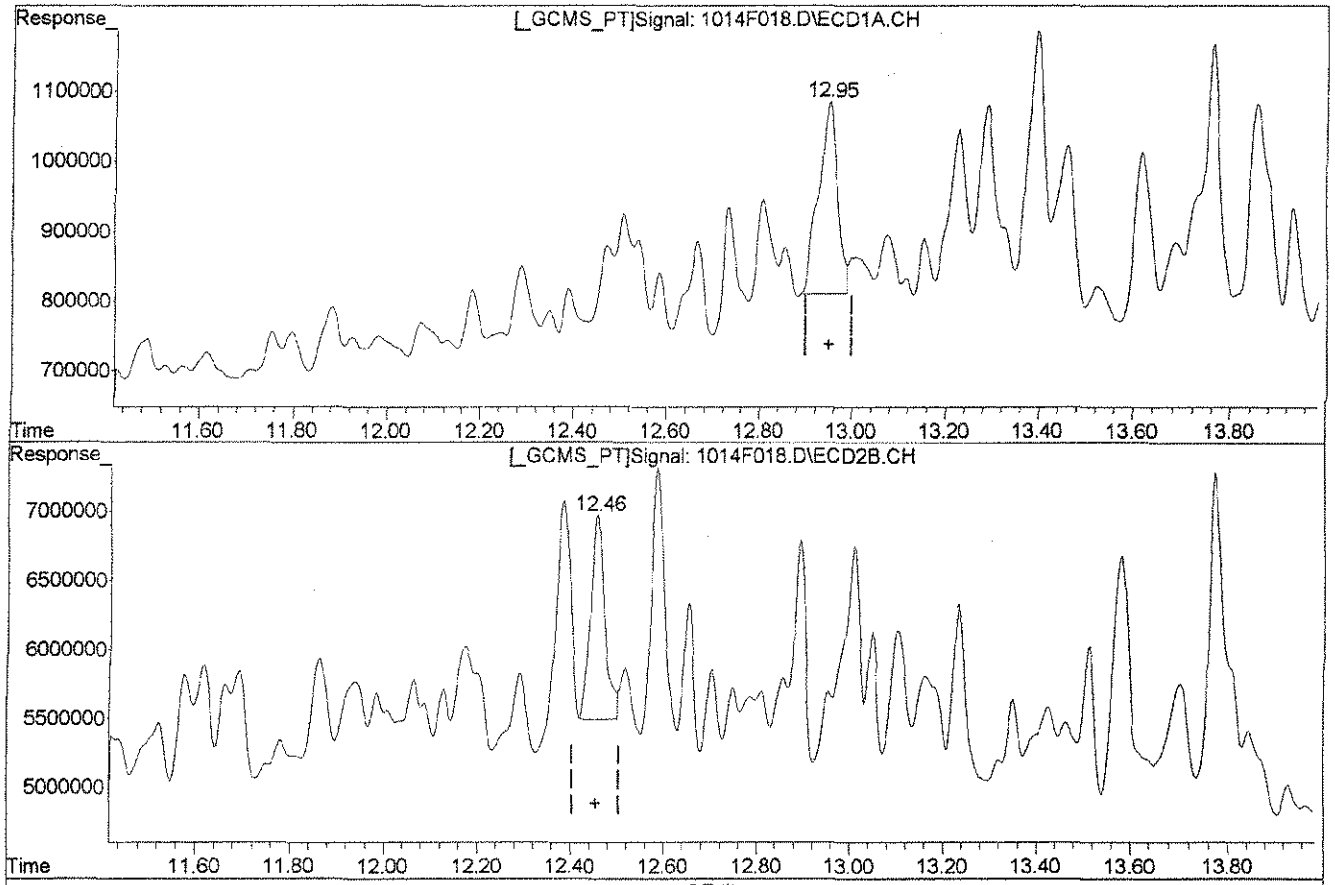


(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:36:58 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration



QEdit

(28) Toxaphene {2}
12.95min 1149.747ug/L m
response 783146

(28) Toxaphene {2} #2
12.46min 1147.649ug/L m
response 3131905

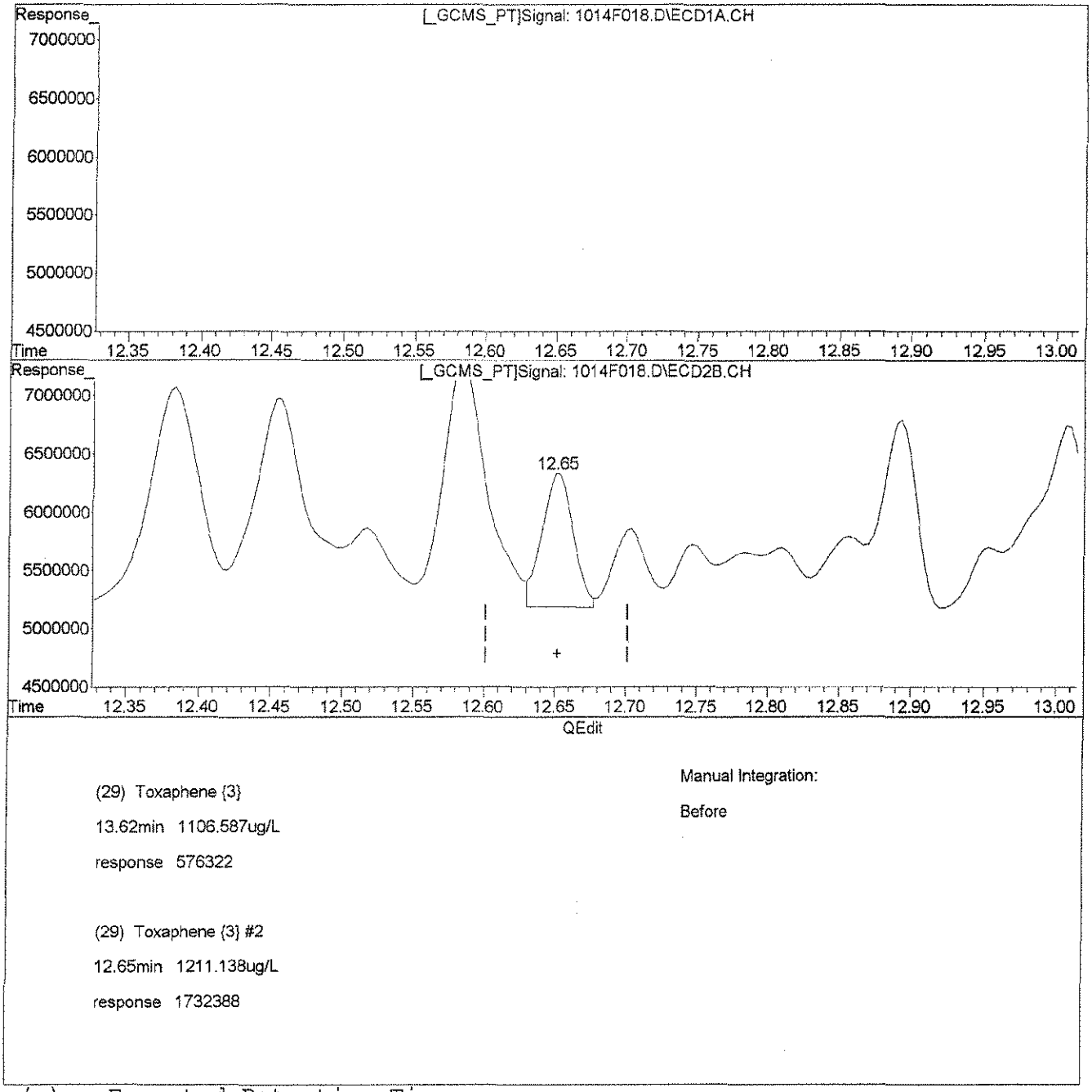
Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:37:12 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration

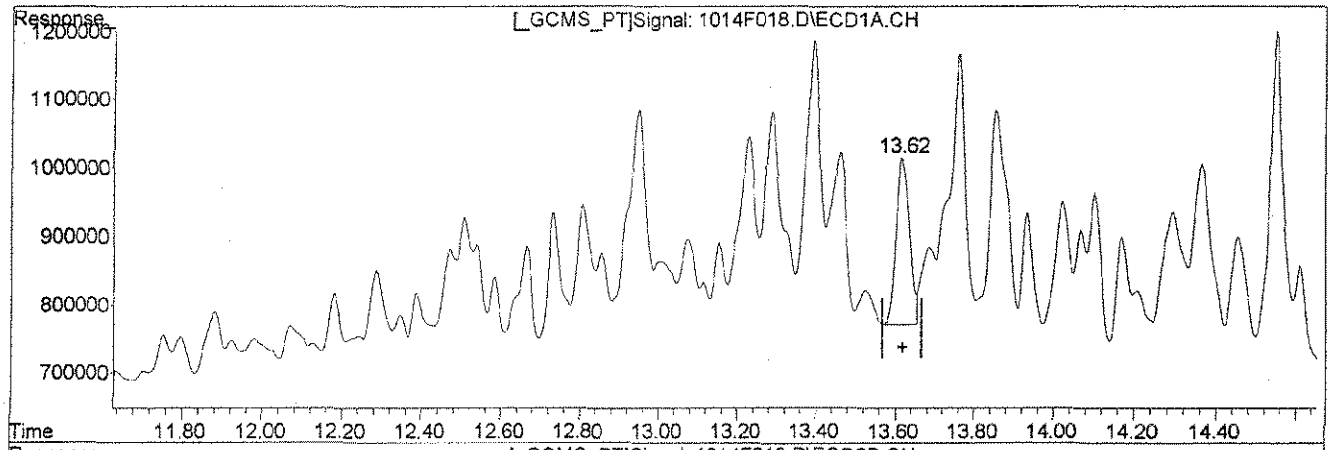


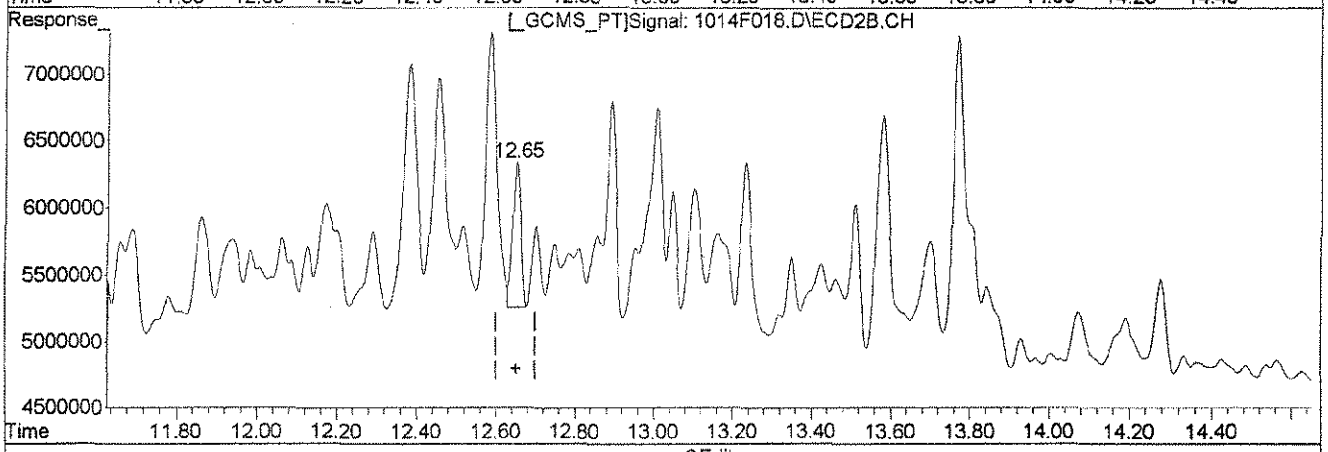
(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:37:18 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration





QEdit

(29) Toxaphene (3)

13.62min 1106.587ug/L

response 576322

(29) Toxaphene (3) #2

12.65min 1077.395ug/L m

response 1541084

Manual Integration:

After

Baseline/Shoulder

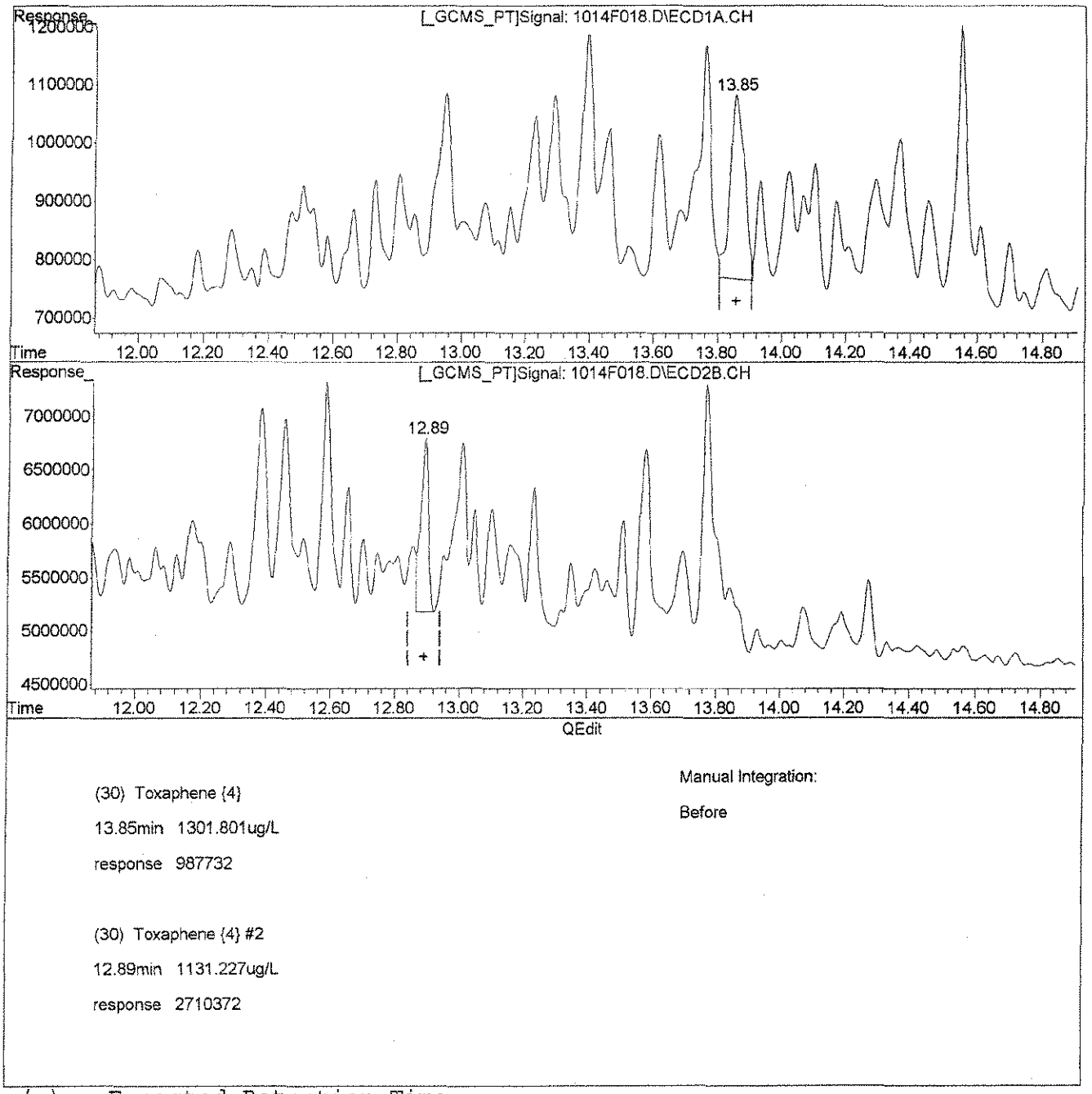
10/15/10

(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:37:26 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration

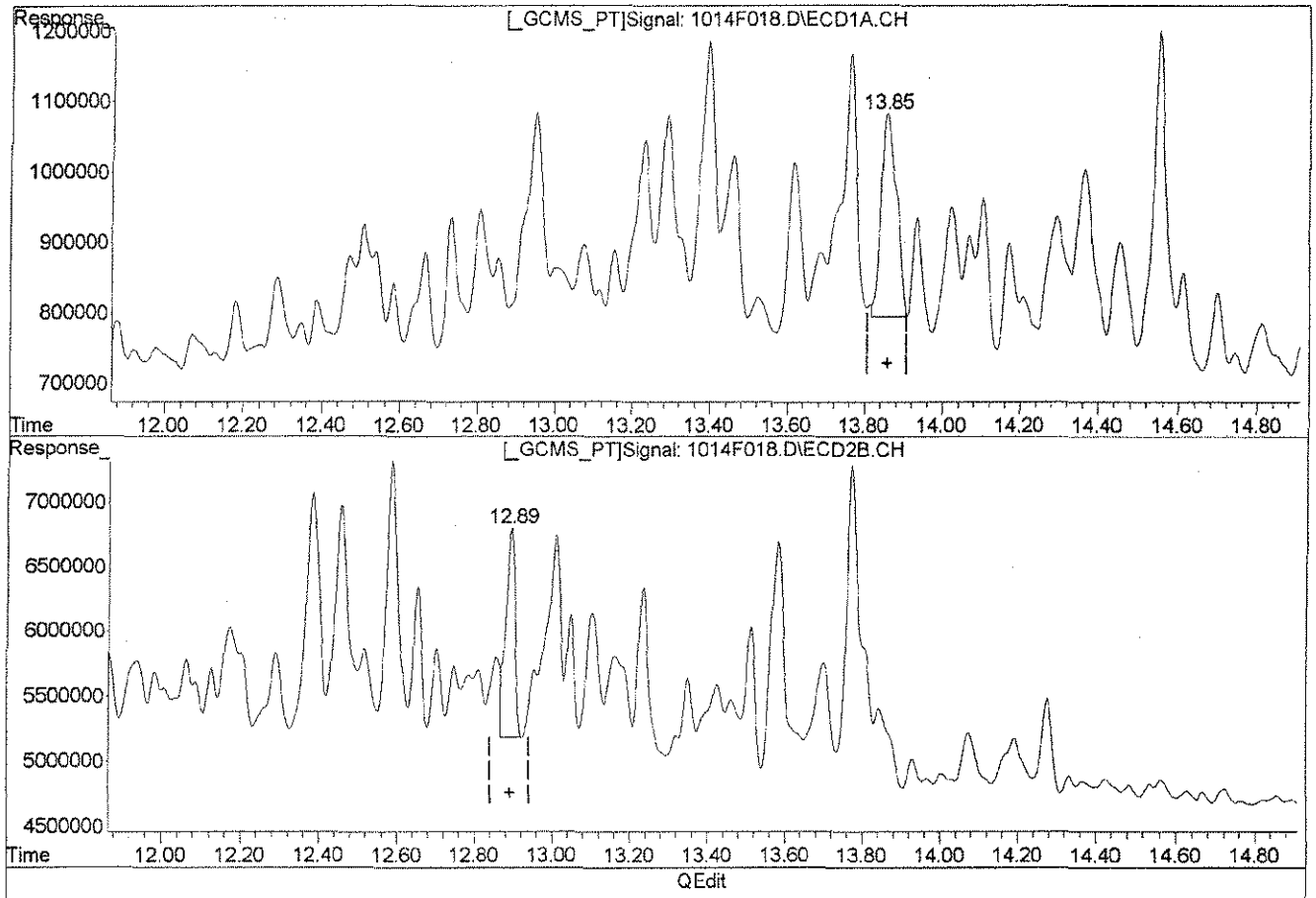


(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:37:29 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration



(30) Toxaphene {4}
13.85min 1057.129ug/L m
response 802089

(30) Toxaphene {4} #2
12.89min 1131.227ug/L
response 2710372

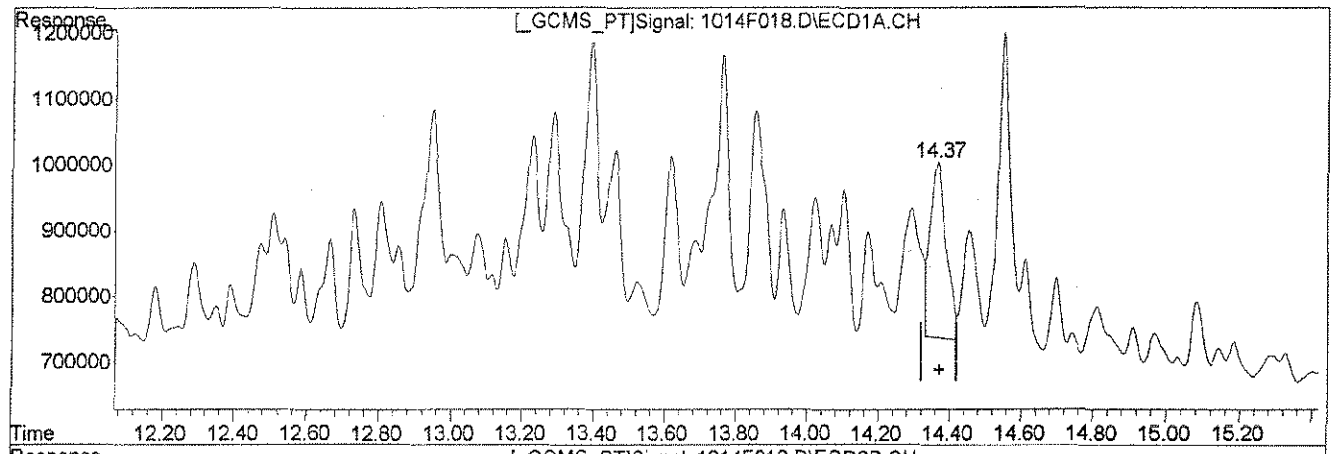
Manual Integration:
After
Baseline/Shoulder
10/15/10

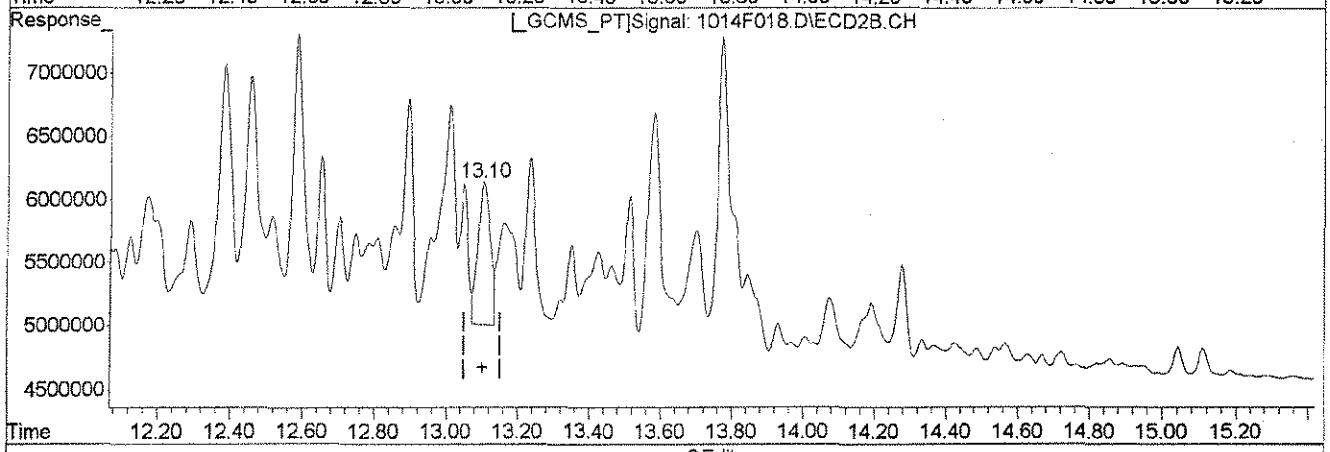
(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:37:36 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.37min 1335.302ug/L

response 832279

(31) Toxaphene {5} #2

13.10min 1791.251ug/L

response 2771768

Manual Integration:

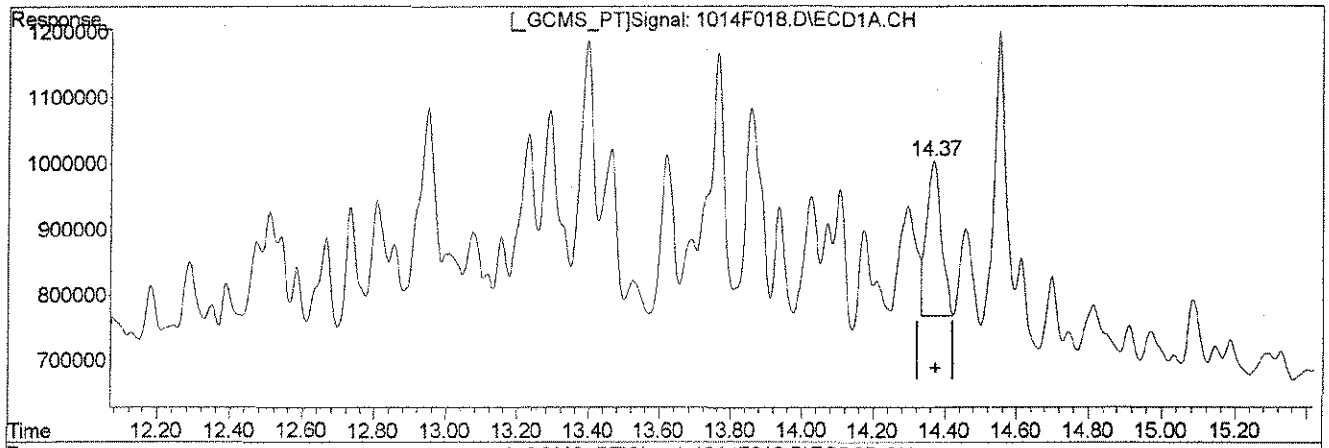
Before

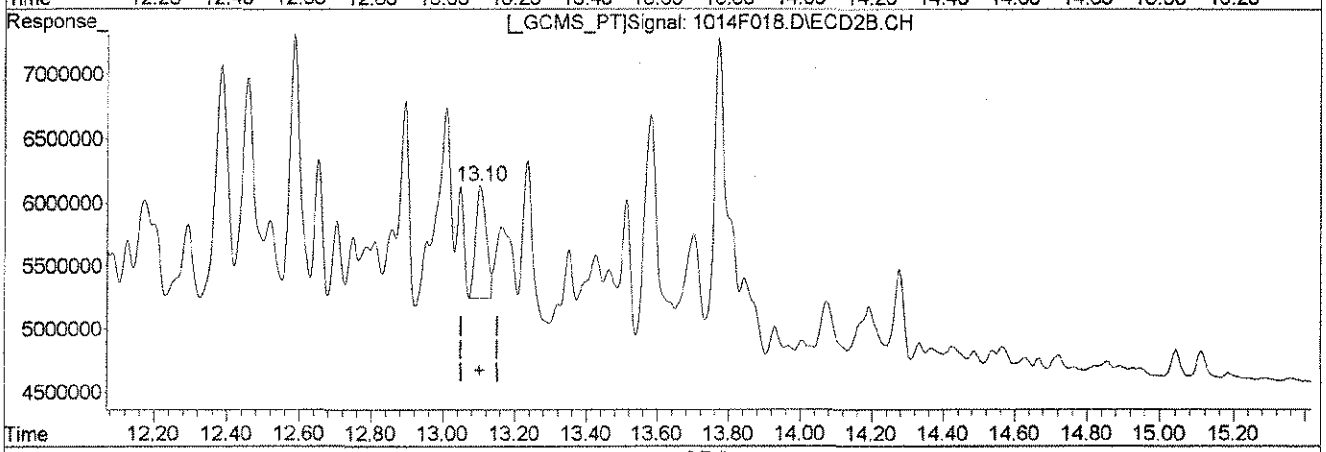
(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:37:40 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}
14.37min 1073.671ug/L m
response 669207

(31) Toxaphene {5} #2
13.10min 1194.937ug/L m
response 1849036

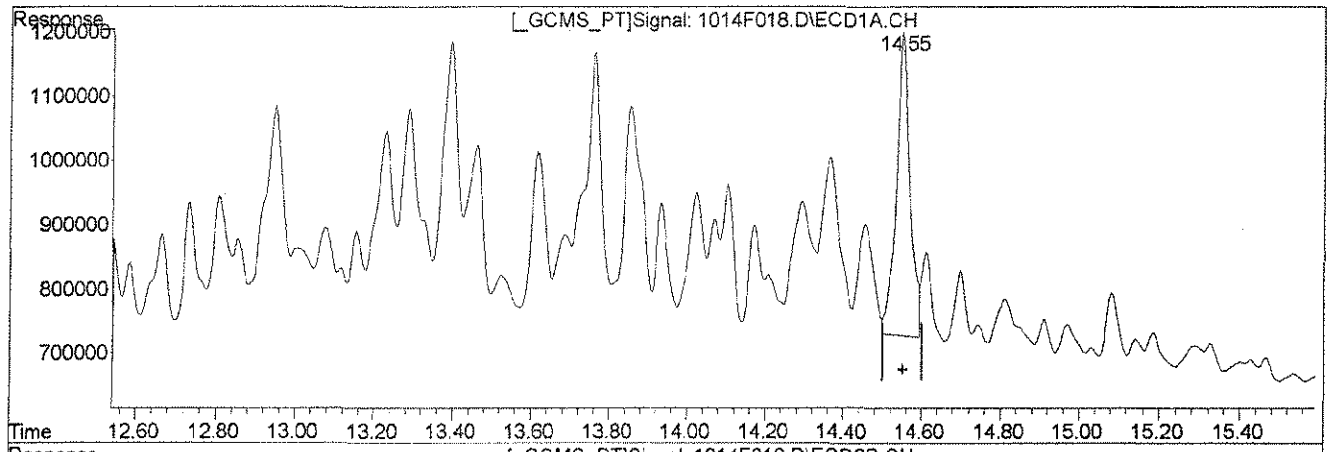
Manual Integration:
After
Baseline/Shoulder
10/15/10

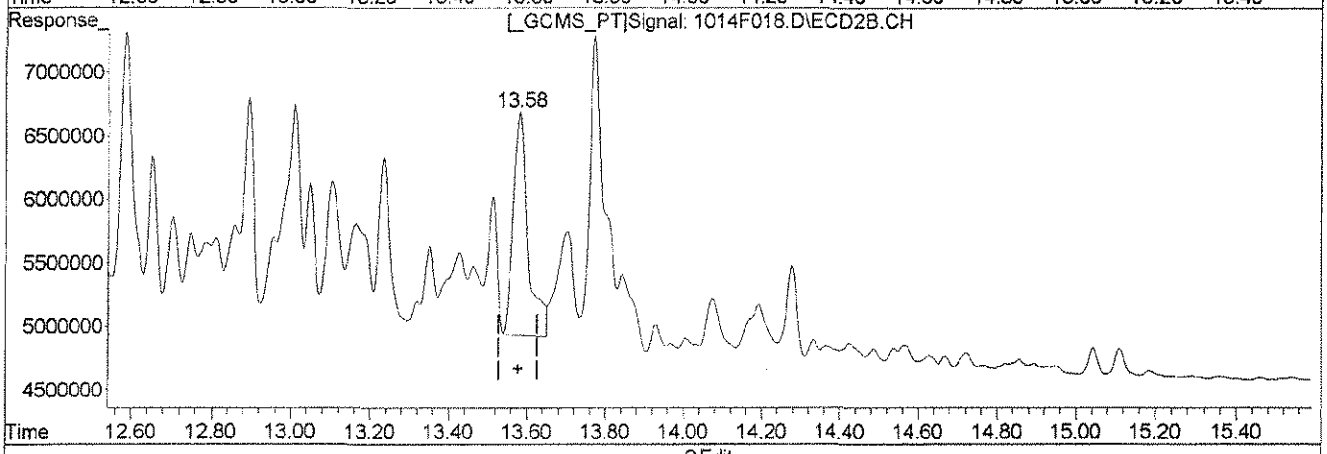
(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:37:54 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration





QEdit

(32) Toxaphene {6}

14.55min 1173.577ug/L

response 1157688

(32) Toxaphene {6} #2

13.58min 1252.771ug/L

response 4640018

Manual Integration:

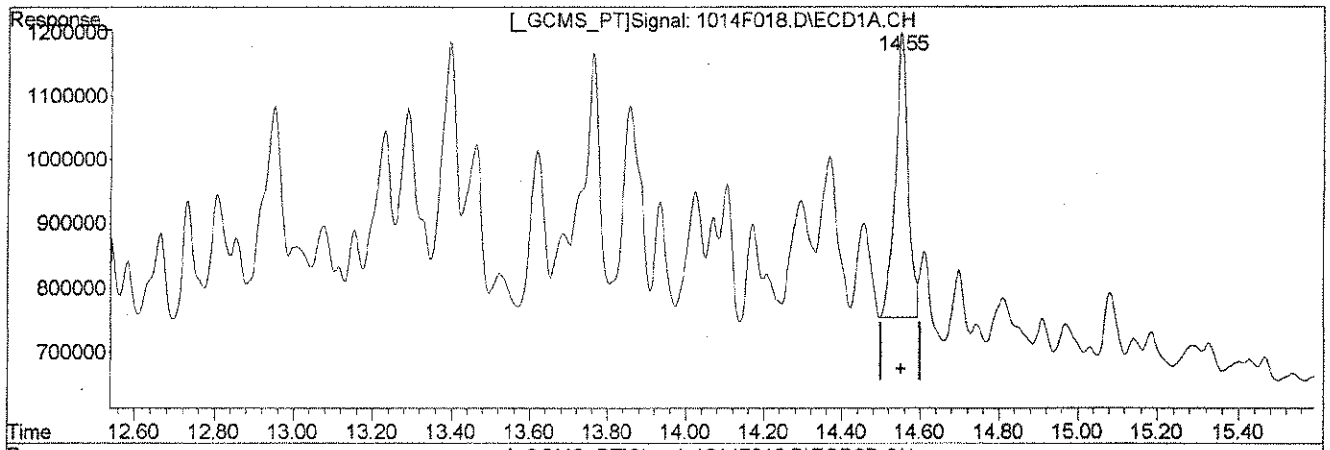
Before

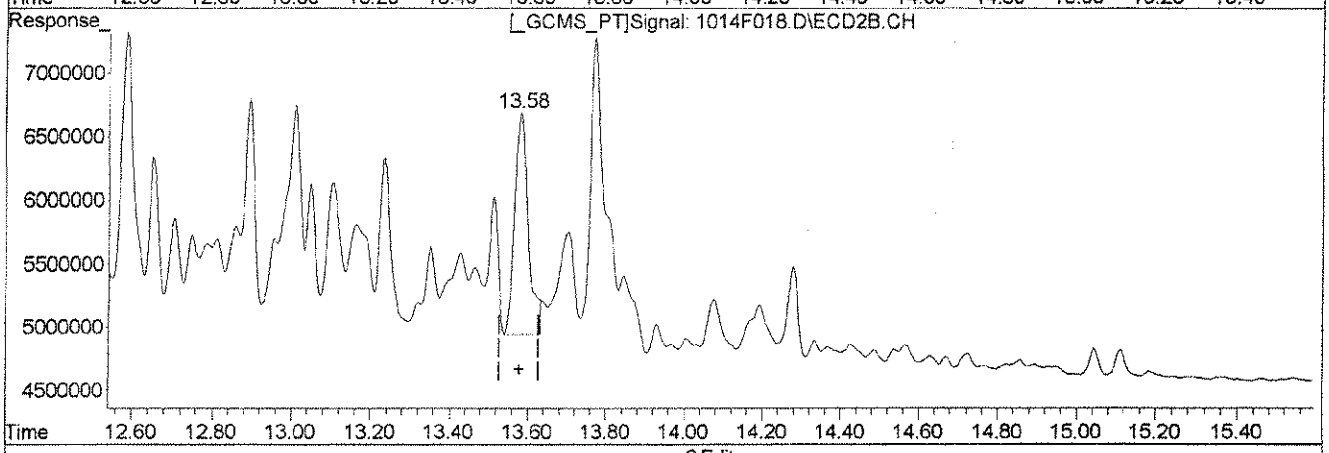
(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:37:58 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F018.D\ECD1A.CH Vial: 18
Signal #2 : J:\GC23\DATA\101410\1014F018.D\ECD2B.CH
Acq On : 15 Oct 2010 12:19 am Operator: CCotnam
Sample : TOX @ 1000ppb GCPS6-66C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:36 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:35:43 2010
Response via : Multiple Level Calibration





QEdit

(32) Toxaphene {6}
14.55min 1014.044ug/L m
response 1000315

(32) Toxaphene {6} #2
13.58min 1144.686ug/L m
response 4239690

Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F018.D IS-GC23-101410-8081.M Fri Oct 15 10:38:10 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F019.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\101410\1014F019.D\ECD2B.CH
Acq On : 15 Oct 2010 12:46 am Operator: CCotnam
Sample : CHLOR @ 25ppb GCPS6-72R Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:51 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Internal Standards							
33)	1-Bromo-2-nitrob	5.84	5.57	2099612	10625035	50.000	50.000	
	System Monitoring Compounds							
	Target Compounds							
34)	Chlordane	9.98	9.03	54445	252661	26.710	26.376	
35)	Chlordane {2}	10.32	9.32	74281	305993	29.911	24.679	
36)	Chlordane {3}	10.87	11.01	54823	656996	30.962	24.122	
37)	Chlordane {4}	12.03	11.05	158735	385049	29.456	24.900	
38)	Chlordane {5}	12.10	11.11	130714	183003	30.784	21.896	#
39)	Chlordane {6}	12.17	11.16	88884	547087	30.340	24.085	

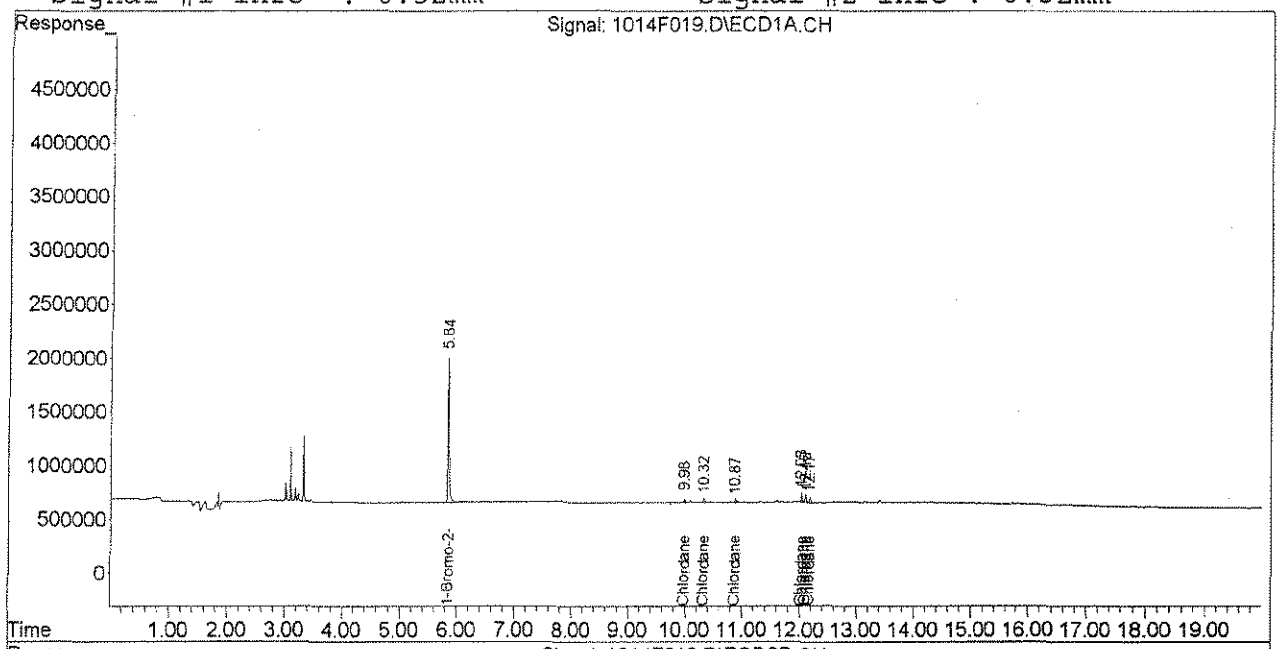
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

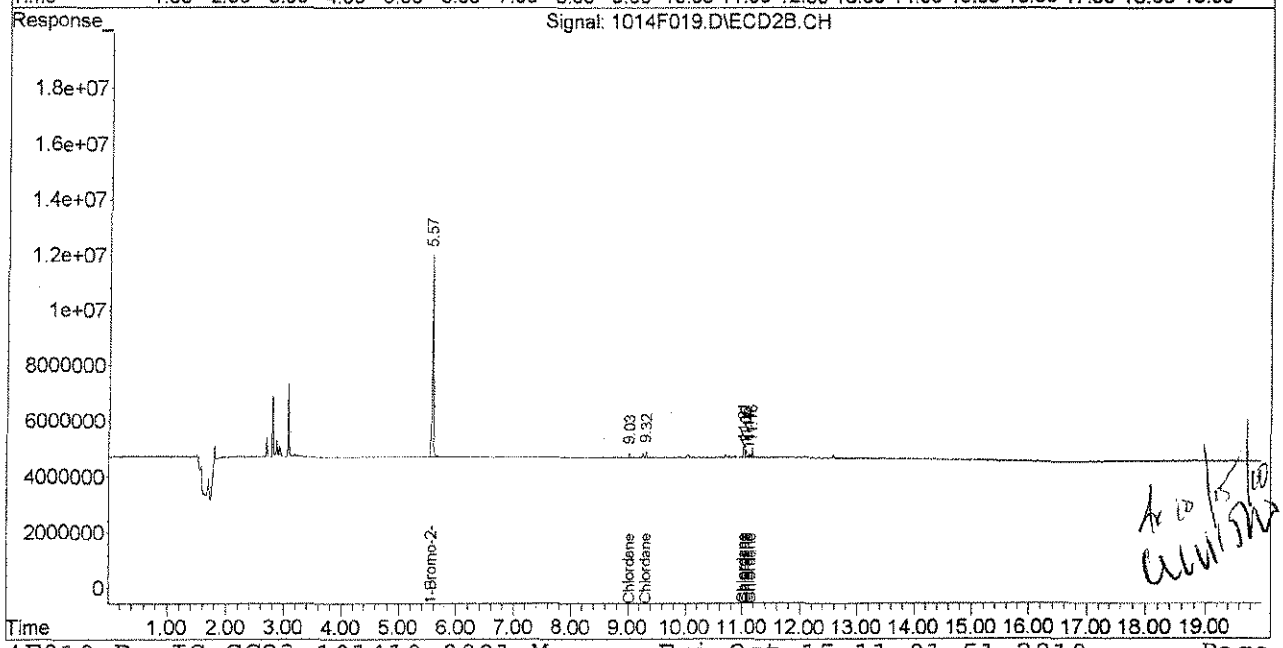
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F019.D\ECD1A.CH Vial: 19
Signal #2 : J:\GC23\DATA\101410\1014F019.D\ECD2B.CH
Acq On : 15 Oct 2010 12:46 am Operator: CCotnam
Sample : CHLOR @ 25ppb GCPS6-72R Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:39 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F020.D\ECD1A.CH Vial: 20
Signal #2 : J:\GC23\DATA\101410\1014F020.D\ECD2B.CH
Acq On : 15 Oct 2010 1:12 am Operator: CCotnam
Sample : CHLOR @ 50ppb GCPS6-72S Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:52 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
33)	1-Bromo-2-nitrob	5.84	5.57	2233426	11138077	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
34)	Chlordane	9.98	9.03	113957	501144	52.557	49.906
35)	Chlordane {2}	10.32	9.31	158705	635681	60.078	48.907
36)	Chlordane {3}	10.87	11.01	105413	1348062	55.967	47.215
37)	Chlordane {4}	12.02	11.05	340752	807433	59.443	49.809
38)	Chlordane {5}	12.09	11.10	270181	373956	59.816	42.682 #
39)	Chlordane {6}	12.16	11.15	182263	1121906	58.486	47.115

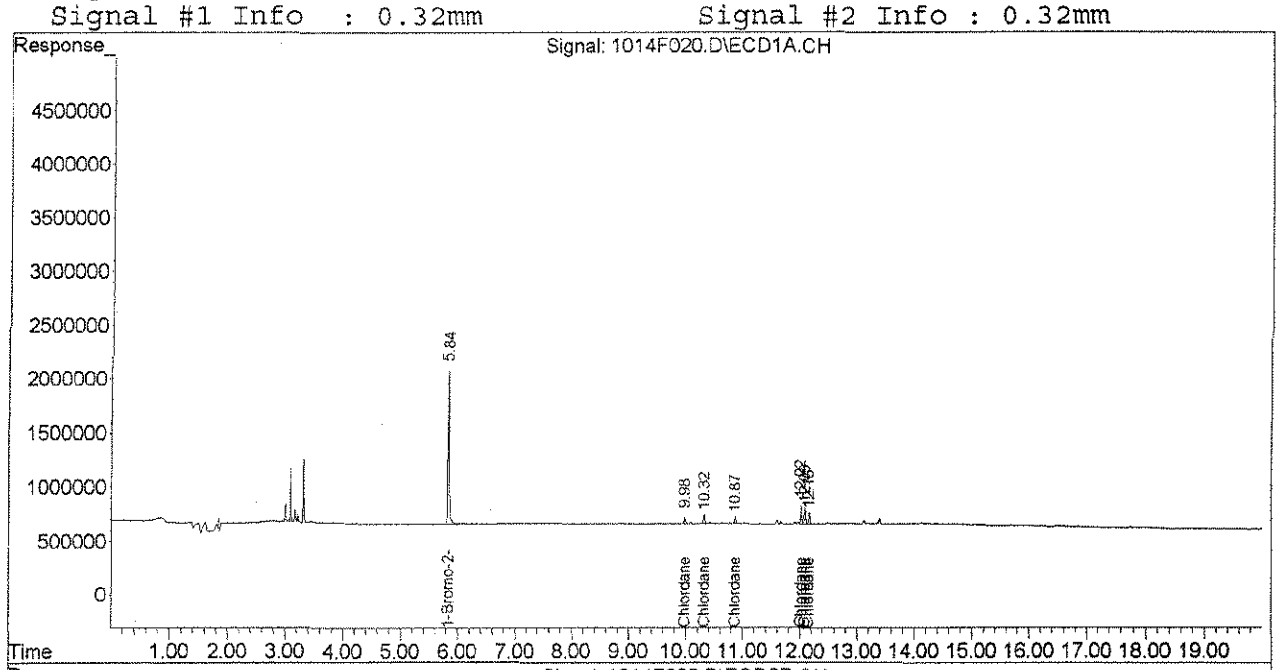
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
1014F020.D IS-GC23-101410-8081.M Fri Oct 15 11:01:55 2010 Page 1

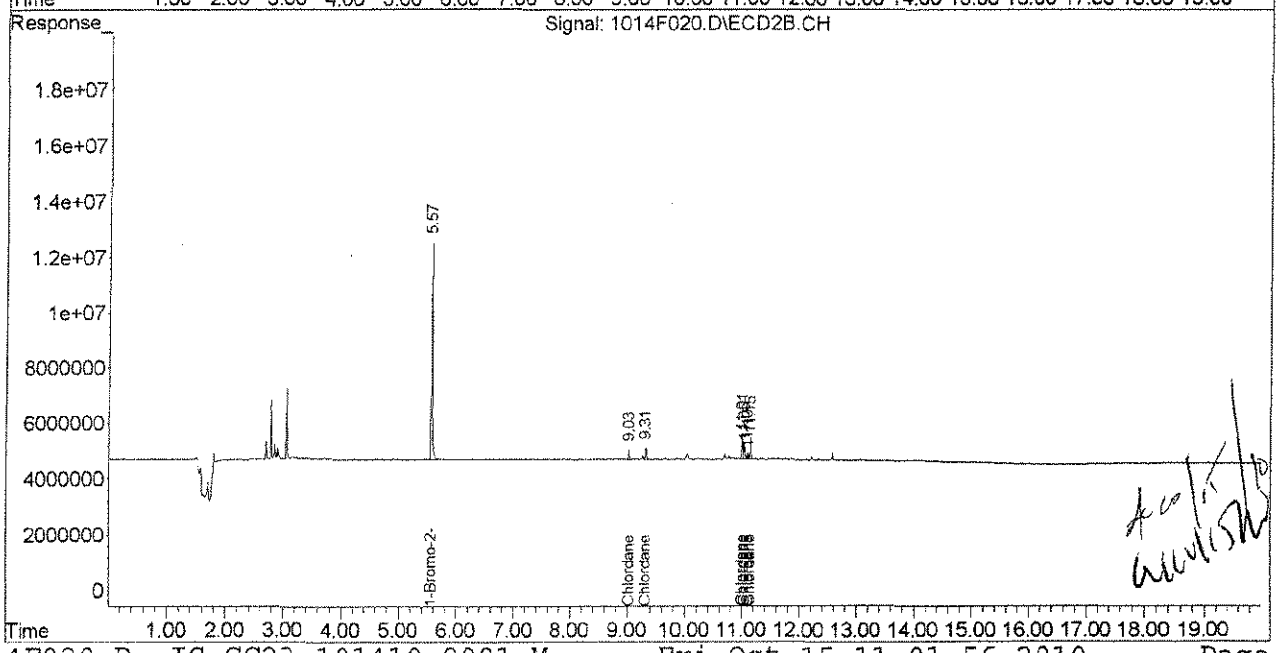
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F020.D\ECD1A.CH Vial: 20
Signal #2 : J:\GC23\DATA\101410\1014F020.D\ECD2B.CH
Acq On : 15 Oct 2010 1:12 am Operator: CCotnam
Sample : CHLOR @ 50ppb GCPS6-72S Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:39 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F021.D\ECD1A.CH Vial: 21
Signal #2 : J:\GC23\DATA\101410\1014F021.D\ECD2B.CH
Acq On : 15 Oct 2010 1:39 am Operator: CCotnam
Sample : CHLOR @ 100ppb GCPS6-72T Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:53 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
33)	1-Bromo-2-nitrob	5.84	5.57	2167808	10955929	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
34)	Chlordane	9.98	9.03	228914	978312	108.771	99.044
35)	Chlordane {2}	10.32	9.32	300743	1295494	117.293	101.328
36)	Chlordane {3}	10.87	11.01	215308	2736208	117.773	97.428
37)	Chlordane {4}	12.03	11.05	670147	1610819	120.444	101.020
38)	Chlordane {5}	12.10	11.11	529536	748231	120.784	86.821 #
39)	Chlordane {6}	12.17	11.16	367109	2310192	121.367	98.631

A 10/15/10
GC0617SW

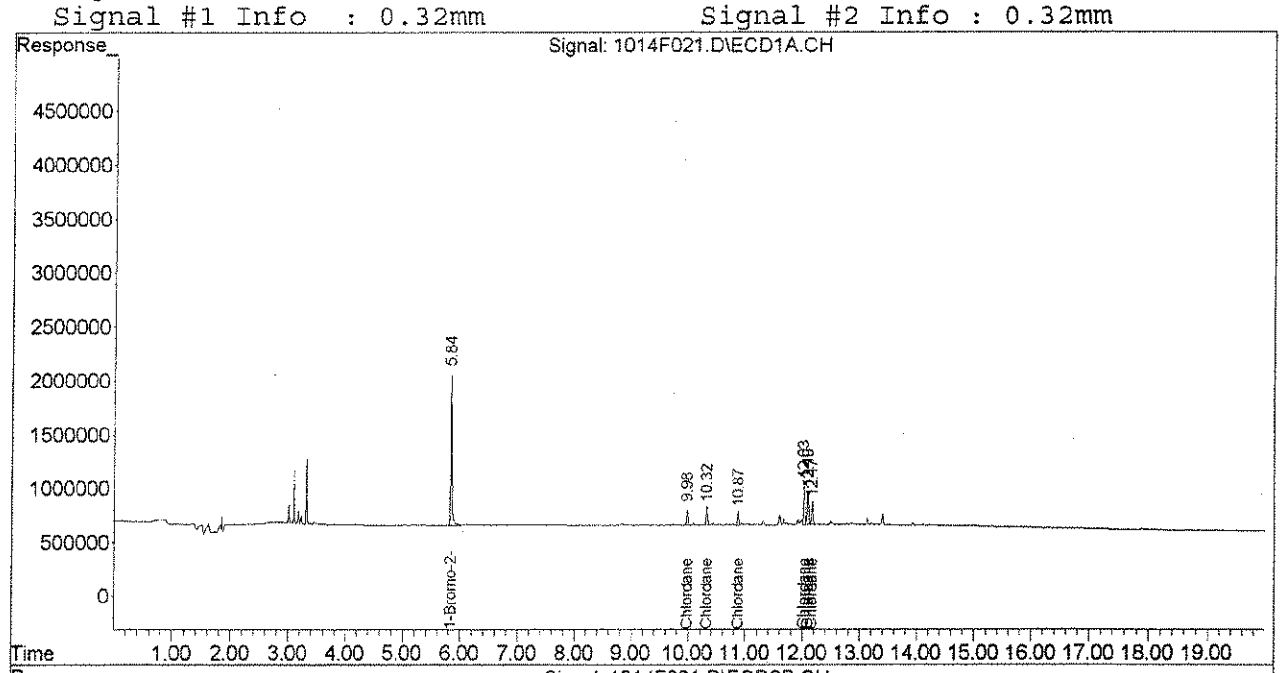
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

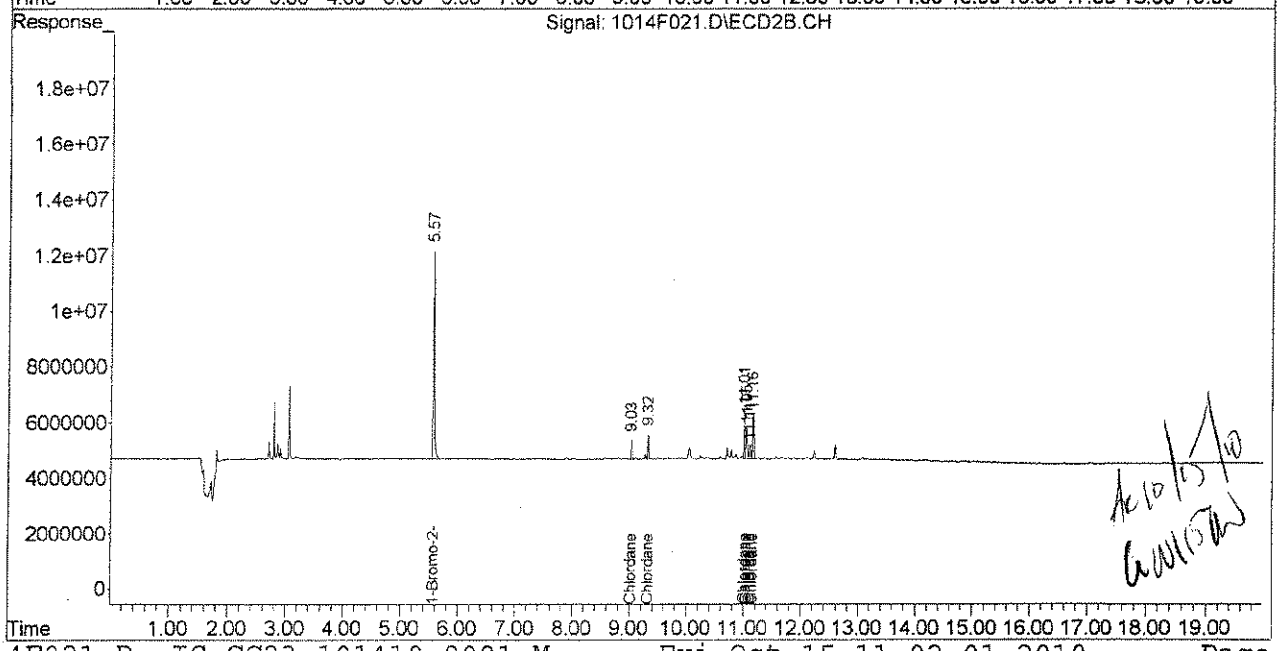
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F021.D\ECD1A.CH Vial: 21
Signal #2 : J:\GC23\DATA\101410\1014F021.D\ECD2B.CH
Acq On : 15 Oct 2010 1:39 am Operator: CCotnam
Sample : CHLOR @ 100ppb GCPS6-72T Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:39 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F022.D\ECD1A.CH Vial: 22
Signal #2 : J:\GC23\DATA\101410\1014F022.D\ECD2B.CH
Acq On : 15 Oct 2010 2:06 am Operator: CCotnam
Sample : CHLOR @ 500ppb GCPS6-69P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:54 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
33)	1-Bromo-2-nitrob	5.84	5.57	2058861	10480114	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
34)	Chlordane	9.98	9.03	1052387	4673734	526.514	494.650
35)	Chlordane {2}	10.32	9.32	1393448	6247511	572.217	510.841
36)	Chlordane {3}	10.87	11.01	927611	13223396	534.251	492.221
37)	Chlordane {4}	12.03	11.05	3076843	7630509	582.254	500.263
38)	Chlordane {5}	12.10	11.11	2392455	4019392	574.583	487.564
39)	Chlordane {6}	12.17	11.16	1613139	10939612	561.527	488.260

10/15/10

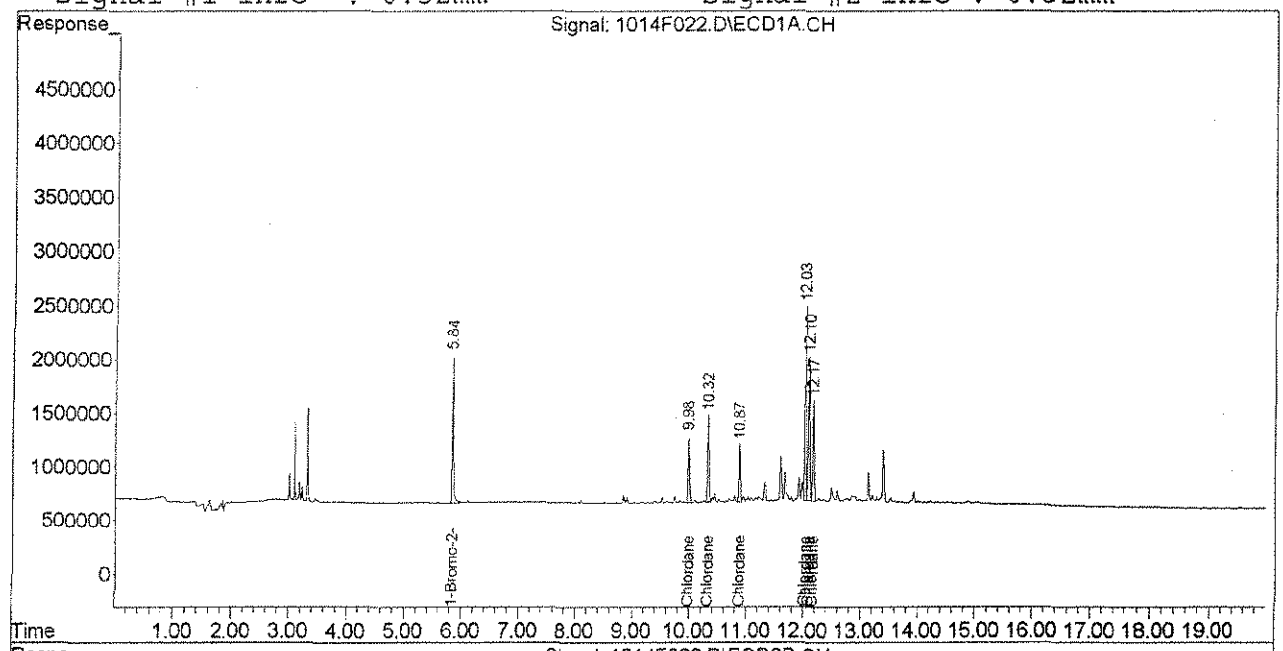
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
1014F022.D IS-GC23-101410-8081.M Fri Oct 15 11:02:04 2010 Page 1

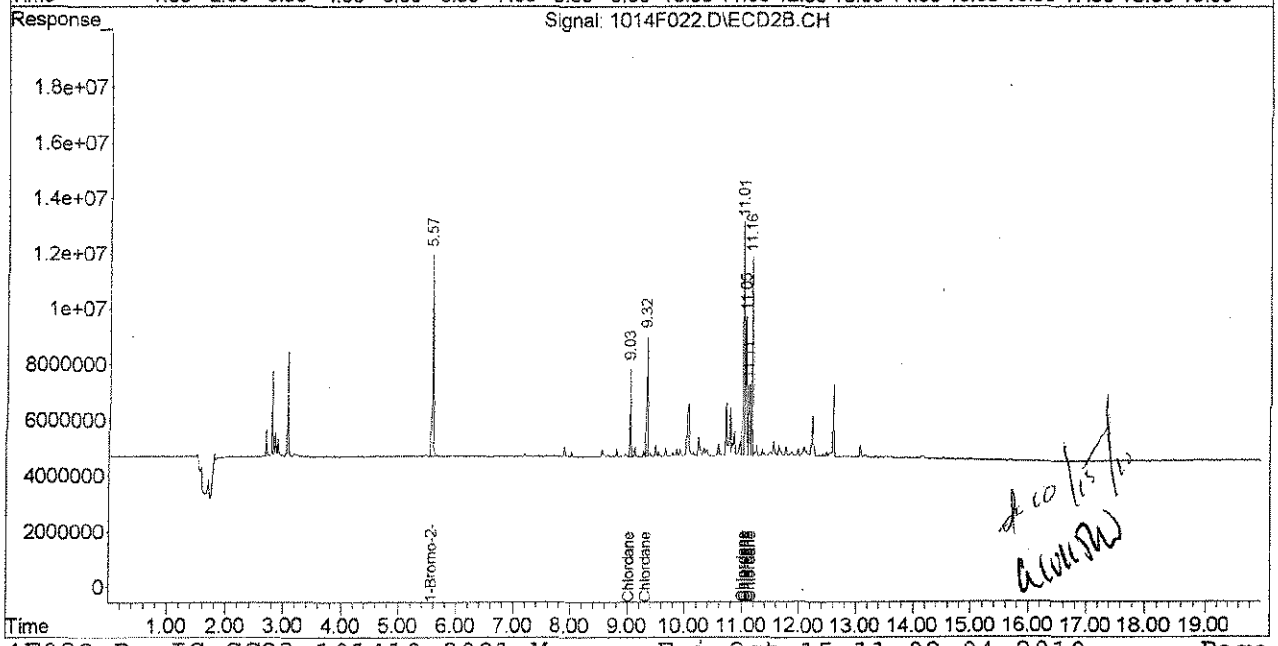
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F022.D\ECD1A.CH Vial: 22
Signal #2 : J:\GC23\DATA\101410\1014F022.D\ECD2B.CH
Acq On : 15 Oct 2010 2:06 am Operator: CCotnam
Sample : CHLOR @ 500ppb GCPS6-69P Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:40 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





10/15/10

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F023.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\101410\1014F023.D\ECD2B.CH
Acq On : 15 Oct 2010 2:33 am Operator: CCotnam
Sample : CHLOR @ 1000ppb GCPS6-72U Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:55 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
33)	1-Bromo-2-nitrob	5.84	5.57	2137752	10774078	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
34)	Chlordane	9.98	9.03	2028949	8939462	977.632	920.304
35)	Chlordane {2}	10.32	9.32	2670836	12206219	1056.300	970.836
36)	Chlordane {3}	10.87	11.01	1727919	25462604	958.457	921.947
37)	Chlordane {4}	12.02	11.05	5931093	14590205	1080.965	930.448
38)	Chlordane {5}	12.09	11.10	4503610	7804305	1041.693	920.855
39)	Chlordane {6}	12.17	11.16	3039159	21116880	1018.877	916.779

Ave 10/15/10
CCotnam

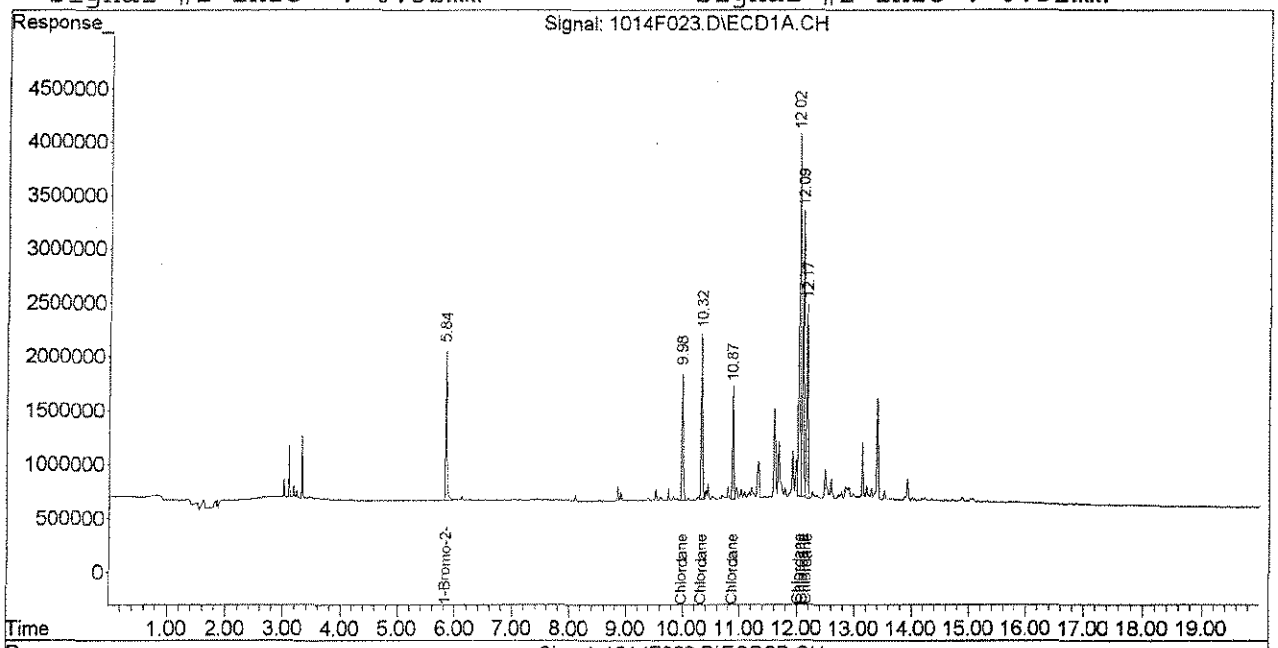
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

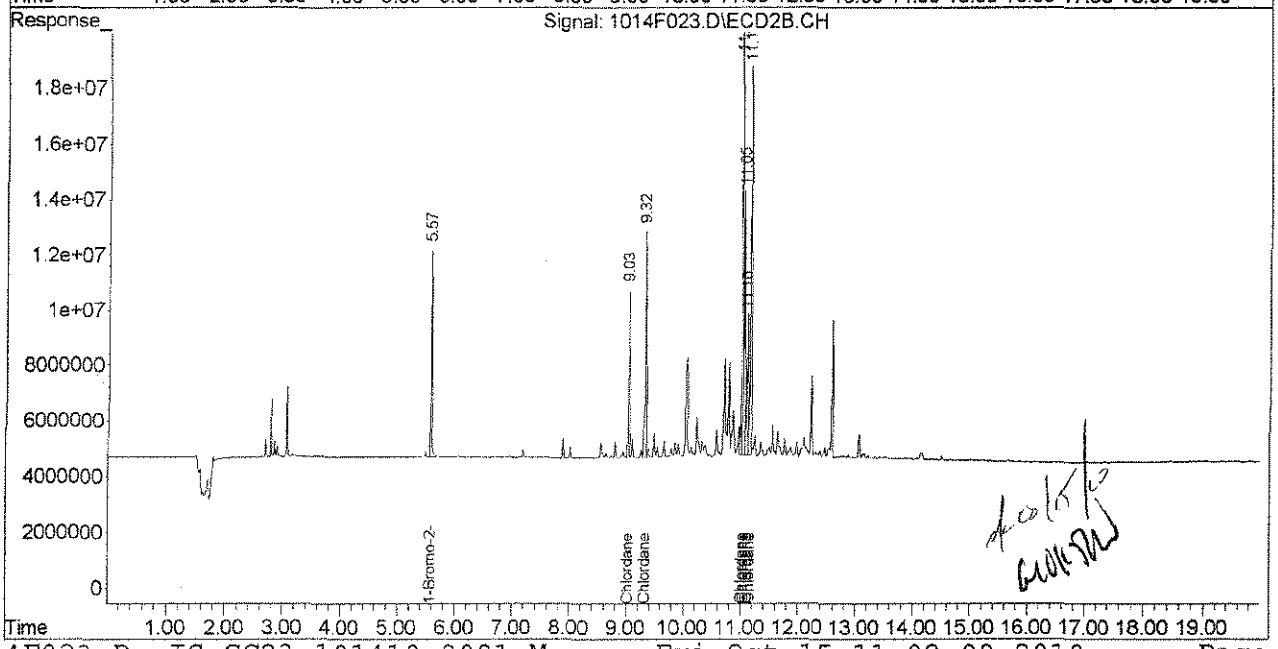
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F023.D\ECD1A.CH Vial: 23
Signal #2 : J:\GC23\DATA\101410\1014F023.D\ECD2B.CH
Acq On : 15 Oct 2010 2:33 am Operator: CCotnam
Sample : CHLOR @ 1000ppb GCPS6-72U Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:40 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F024.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\101410\1014F024.D\ECD2B.CH
Acq On : 15 Oct 2010 3:00 am Operator: CCotnam
Sample : CHLOR @ 2000ppb GCPS6-73A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:56 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
33)	1-Bromo-2-nitrob	5.84	5.57	2159636	10900614	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
34)	Chlordane	9.98	9.03	3963767	17733805	1890.554	1804.475
35)	Chlordane {2}	10.32	9.32	5314516	24413360	2080.561	1919.205
36)	Chlordane {3}	10.87	11.01	3283624	52063479	1802.932	1863.225
37)	Chlordane {4}	12.02	11.05	11740436	28201422	2118.058	1777.588
38)	Chlordane {5}	12.09	11.11	8788418	15833834	2012.179	1846.597
39)	Chlordane {6}	12.17	11.16	5863243	42382611	1945.731	1818.660

10/15/10

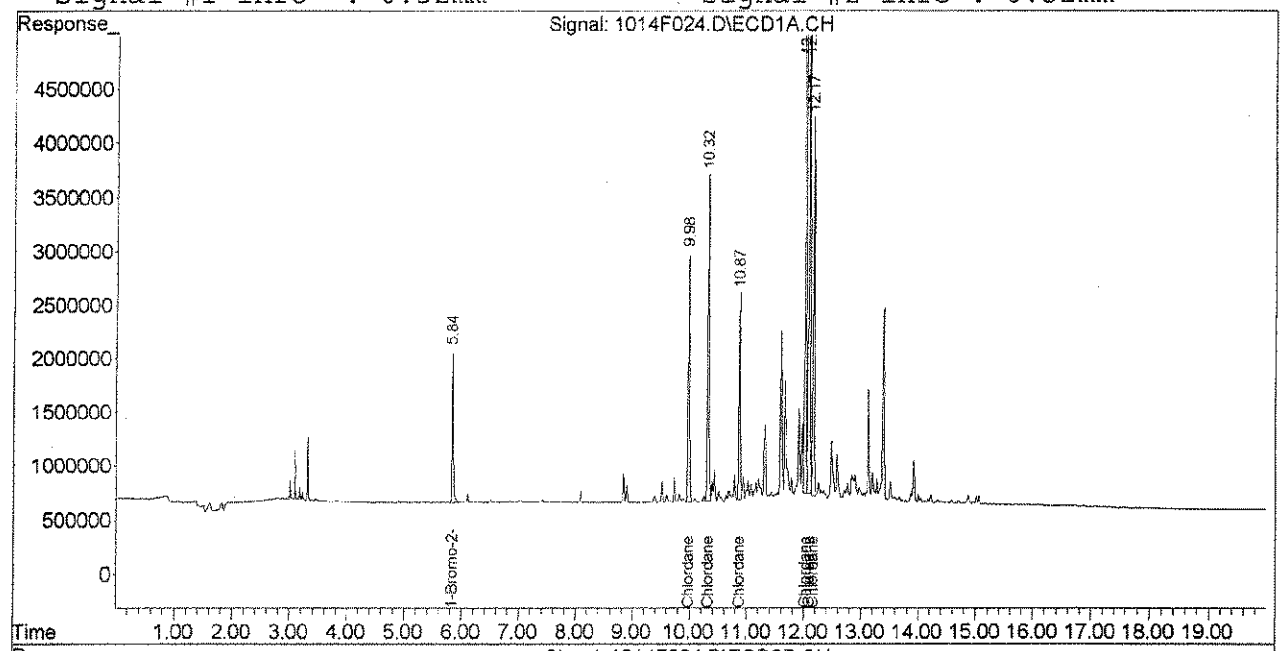
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
1014F024.D IS-GC23-101410-8081.M Fri Oct 15 11:02:15 2010 Page 1

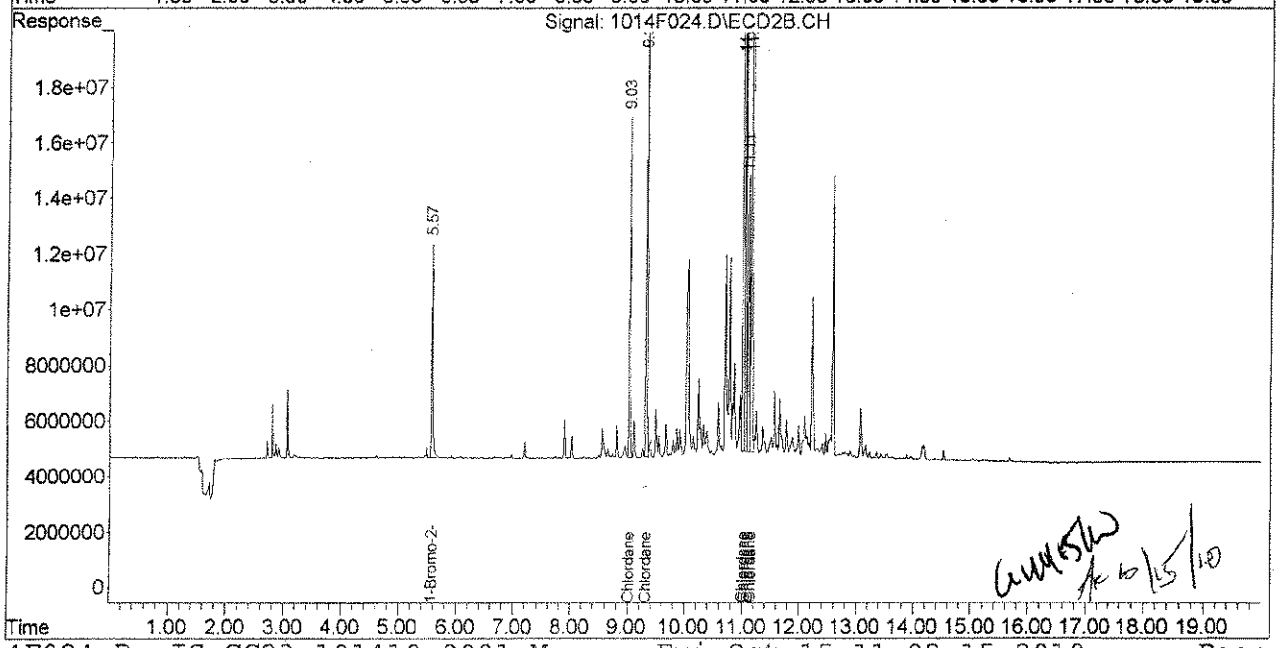
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F024.D\ECD1A.CH Vial: 24
Signal #2 : J:\GC23\DATA\101410\1014F024.D\ECD2B.CH
Acq On : 15 Oct 2010 3:00 am Operator: CCotnam
Sample : CHLOR @ 2000ppb GCPS6-73A Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:40 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F025.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\101410\1014F025.D\ECD2B.CH
Acq On : 15 Oct 2010 3:27 am Operator: CCotnam
Sample : CHLOR @ 800ppb GCPS6-67C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:42:38 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Internal Standards							
33)	1-Bromo-2-nitrob	5.83	5.57	2093352	10446946	50.000	50.000	
	System Monitoring Compounds							
	Target Compounds							
34)	Chlordane	9.97	9.03	1387451	5835933	662.483	634.911	
35)	Chlordane {2}	10.31	9.32	2588117	11867156	920.700	984.797	
36)	Chlordane {3}	10.86	11.01	1346464	21784518	707.963	853.071	
37)	Chlordane {4}	12.02	11.05	5353991	16311985	869.528	1105.597	#
38)	Chlordane {5}	12.09	11.10	3501535	7196491	726.317	969.981	#
39)	Chlordane {6}	12.16	11.15	3399738	15934487	1040.502	751.708	#

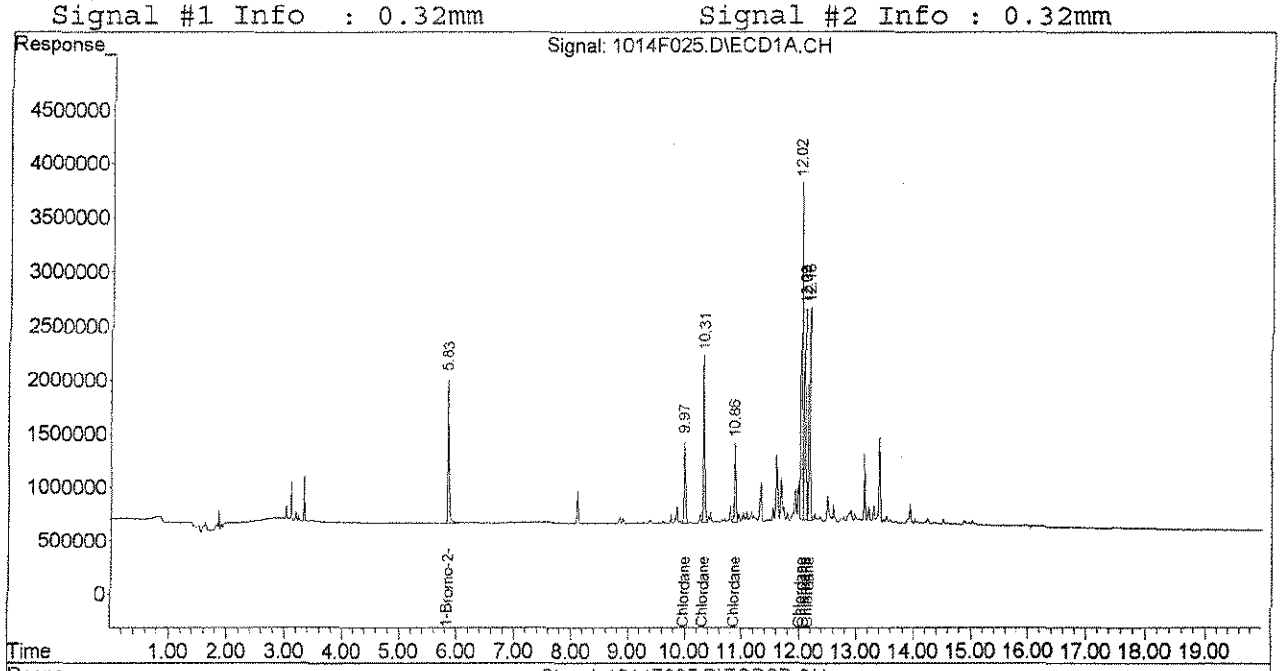
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

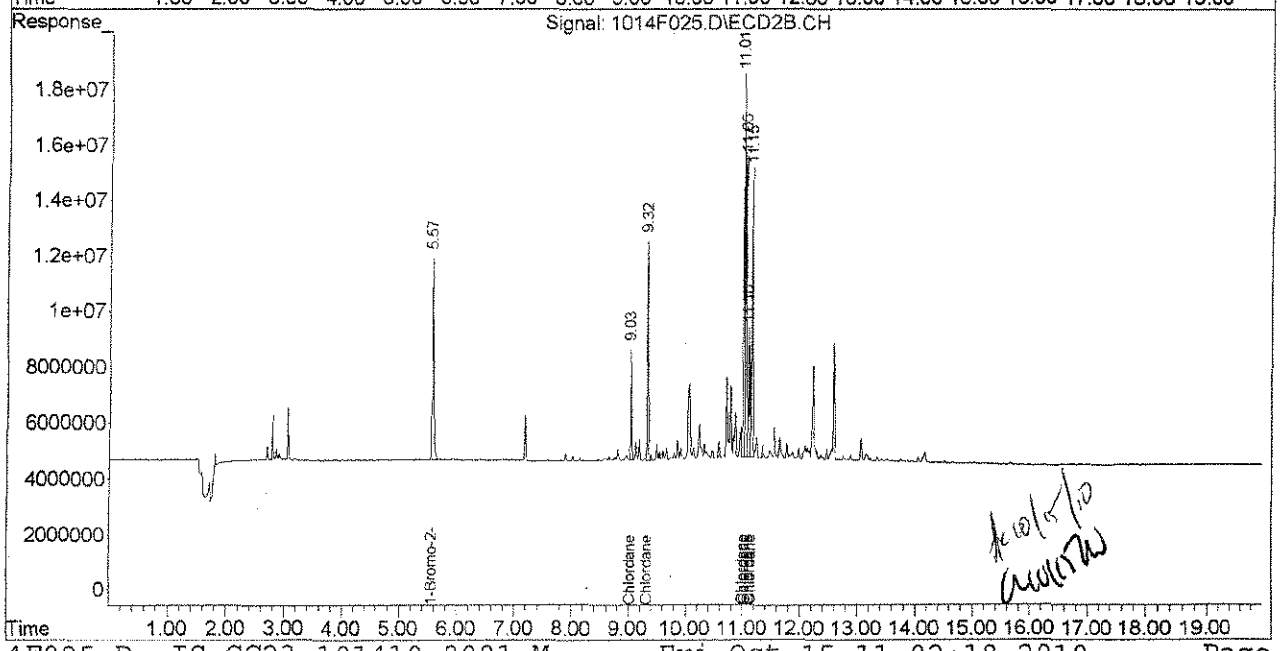
Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F025.D\ECD1A.CH Vial: 25
Signal #2 : J:\GC23\DATA\101410\1014F025.D\ECD2B.CH
Acq On : 15 Oct 2010 3:27 am Operator: CCotnam
Sample : CHLOR @ 800ppb GCPS6-67C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:42 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F026.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\101410\1014F026.D\ECD2B.CH
Acq On : 15 Oct 2010 3:54 am Operator: CCotnam
Sample : MISC @ 2ppb GCPS6-72G Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:58 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
40)	1-Bromo-2-nitrob	5.84	5.57	2105770	10645716	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
41)	Chlorpyrifos	10.73	10.04	61907	307970	2.587	2.372
42)	Oxychlordane	11.49	10.48	98467	443284	2.509	2.061
43)	cis-Nonachlor	13.13	12.22	109538	524797	2.750	2.000 #
44)	trans-Nonachlor	12.17	11.05	106097	506689	2.589	2.106
45)	Mirex	15.24	14.24	84591	388720	2.733	2.068m
46)	HCE	3.98	3.59	179678	806869	2.172	1.934
47)	HCBD	4.70	4.14	136179	654954	2.142	2.059
48)	Alachlor	10.11	9.41	30262	119498	3.505	2.836

10/15/10

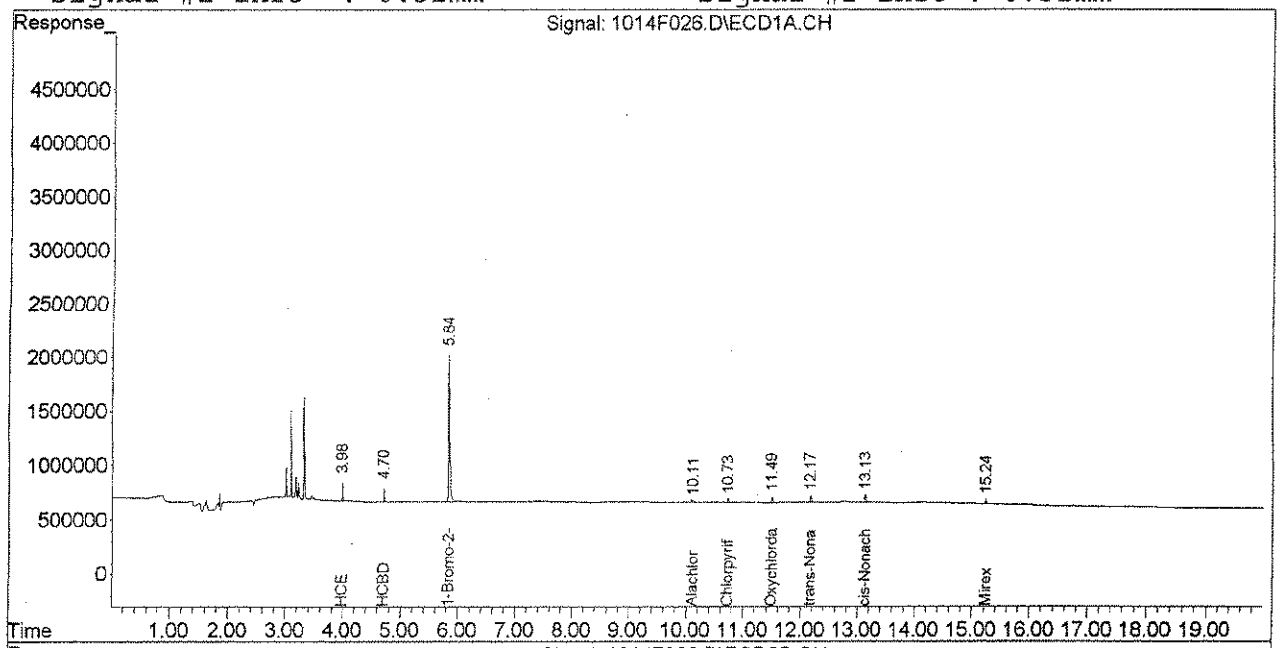
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
1014F026.D IS-GC23-101410-8081.M Fri Oct 15 11:02:21 2010 Page 1

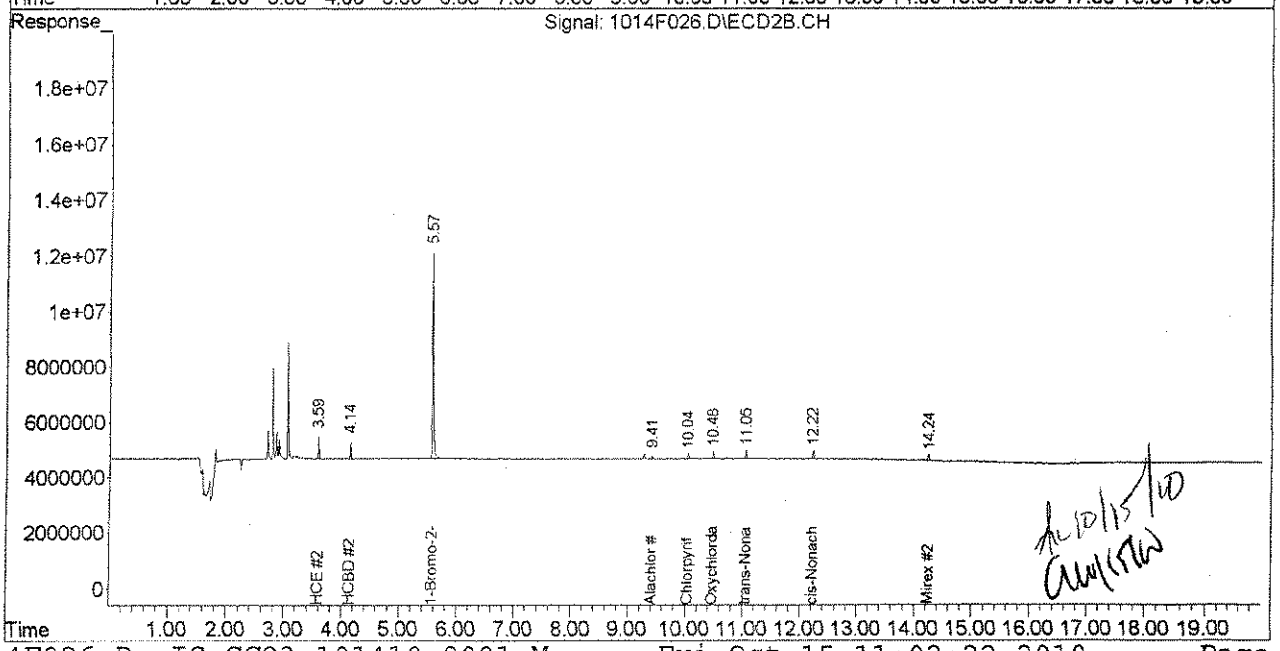
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F026.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\101410\1014F026.D\ECD2B.CH
Acq On : 15 Oct 2010 3:54 am Operator: CCotnam
Sample : MISC @ 2ppb GCPS6-72G Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:43 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



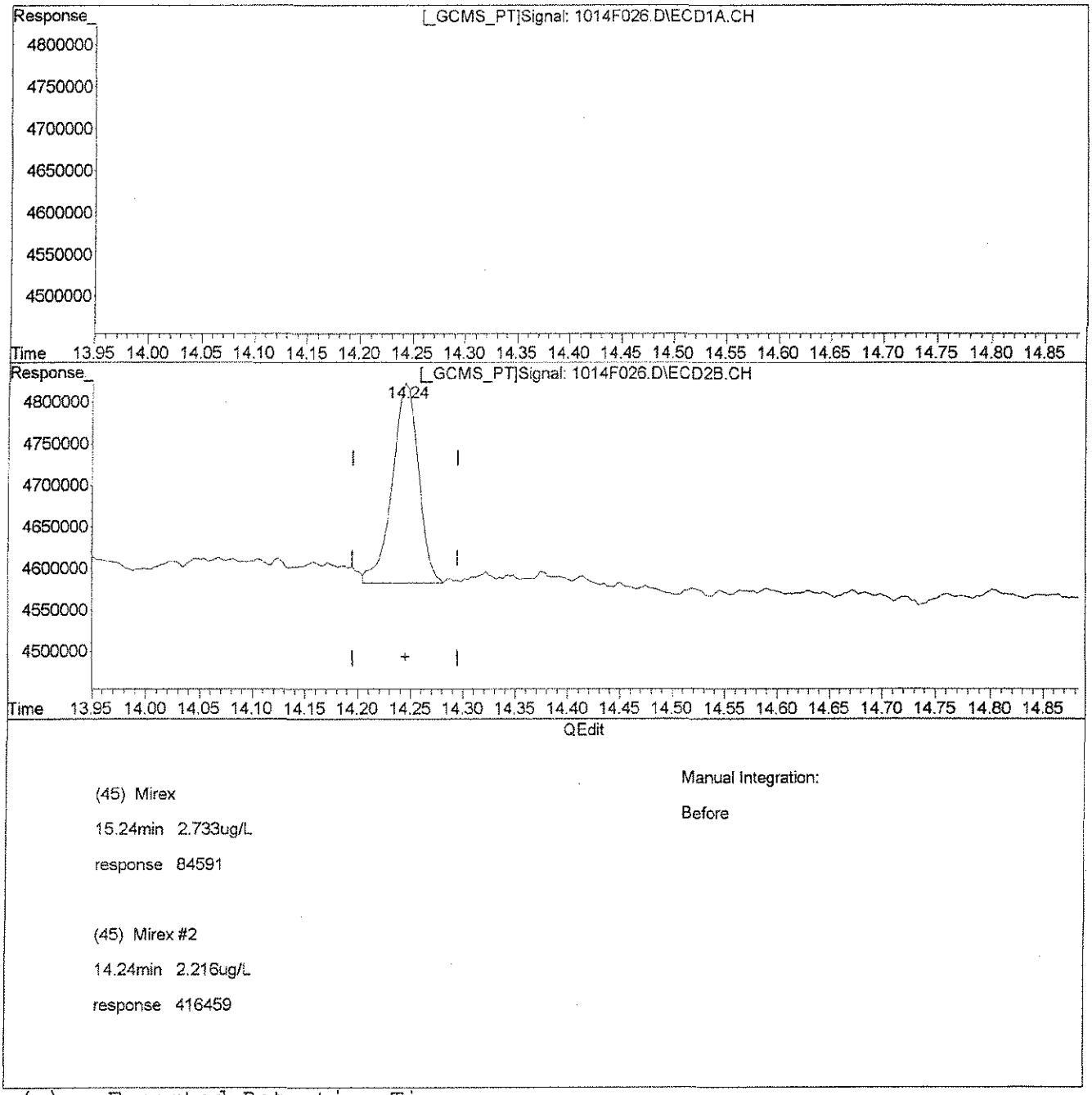


10/15/10

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F026.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\101410\1014F026.D\ECD2B.CH
Acq On : 15 Oct 2010 3:54 am Operator: CCotnam
Sample : MISC @ 2ppb GCPS6-72G Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration

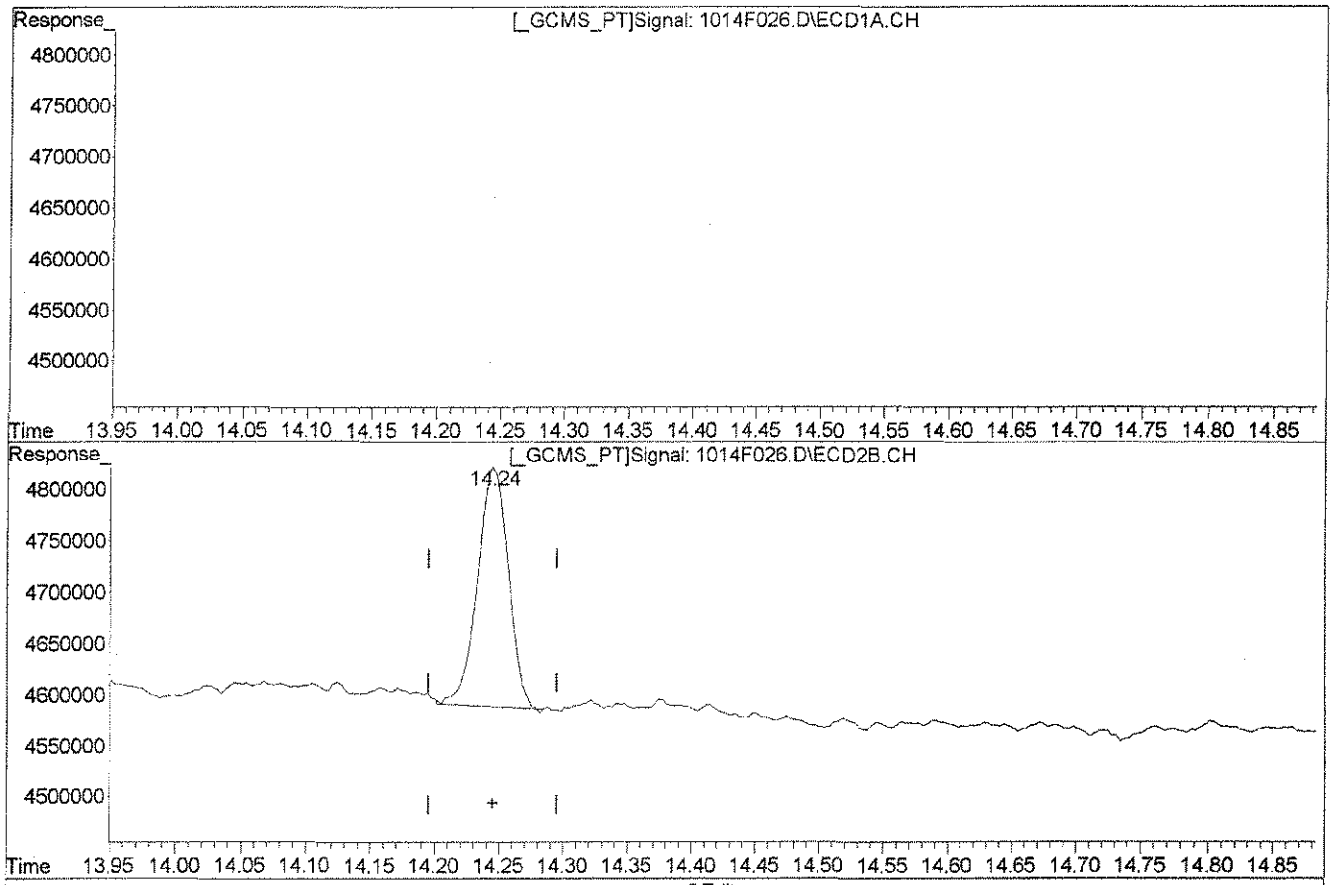


(+) = Expected Retention Time
1014F026.D IS-GC23-101410-8081.M Fri Oct 15 10:43:43 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F026.D\ECD1A.CH Vial: 26
Signal #2 : J:\GC23\DATA\101410\1014F026.D\ECD2B.CH
Acq On : 15 Oct 2010 3:54 am Operator: CCotnam
Sample : MISC @ 2ppb GCPS6-72G Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration



QEdit

(45) Mirex
15.24min 2.733ug/L
response 84591

(45) Mirex #2
14.24min 2.068ug/L m
response 388720

Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F026.D IS-GC23-101410-8081.M Fri Oct 15 10:43:50 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F027.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\101410\1014F027.D\ECD2B.CH
Acq On : 15 Oct 2010 4:20 am Operator: CCotnam
Sample : MISC @ 5ppb GCPS6-72H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:56:58 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
40)	1-Bromo-2-nitrob	5.84	5.57	2175324	10993955	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
41)	Chlorpyrifos	10.73	10.04	146265	729571	5.917	5.440
42)	Oxychlordane	11.49	10.48	244108	1099920	6.020	4.951
43)	cis-Nonachlor	13.13	12.22	273929	1341604	6.658	4.951 #
44)	trans-Nonachlor	12.17	11.05	259048	1264267	6.118	5.089
45)	Mirex	15.23	14.24	193936	973170	6.065m	5.014m
46)	HCE	3.98	3.59	420850	2020071	4.925	4.689
47)	HCBD	4.71	4.15	333379	1589514	5.076	4.839
48)	Alachlor	10.12	9.41	72185	288276	8.094m	6.624m

10/15/10

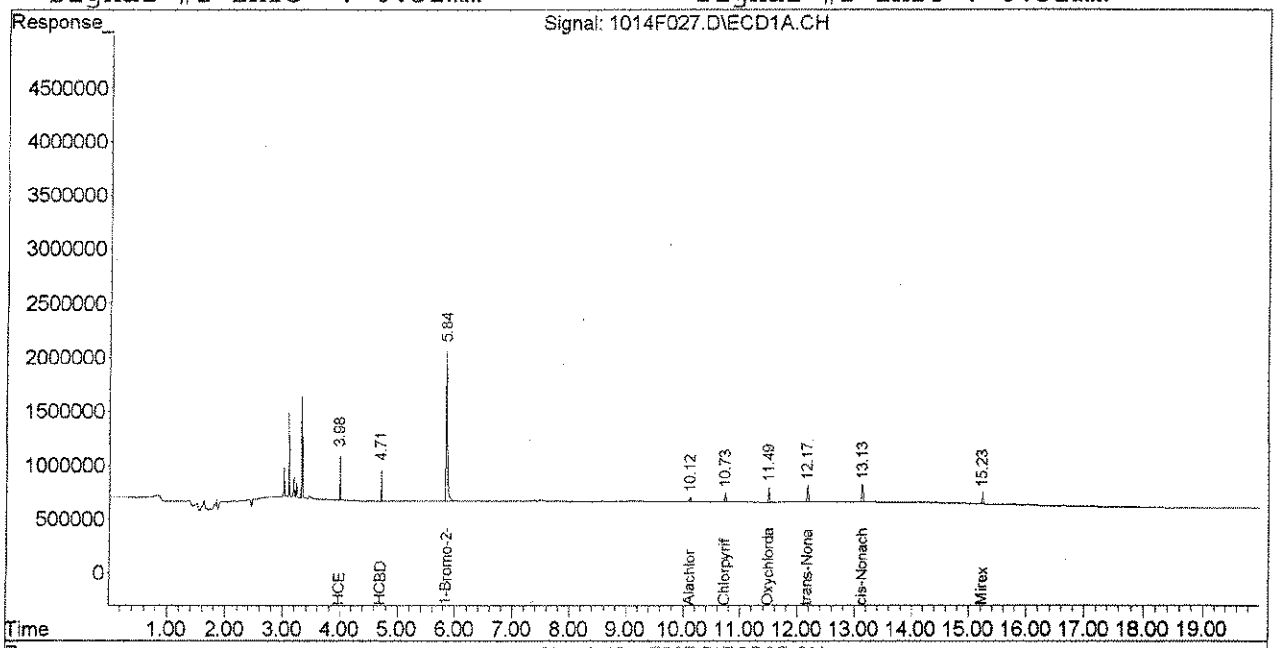
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

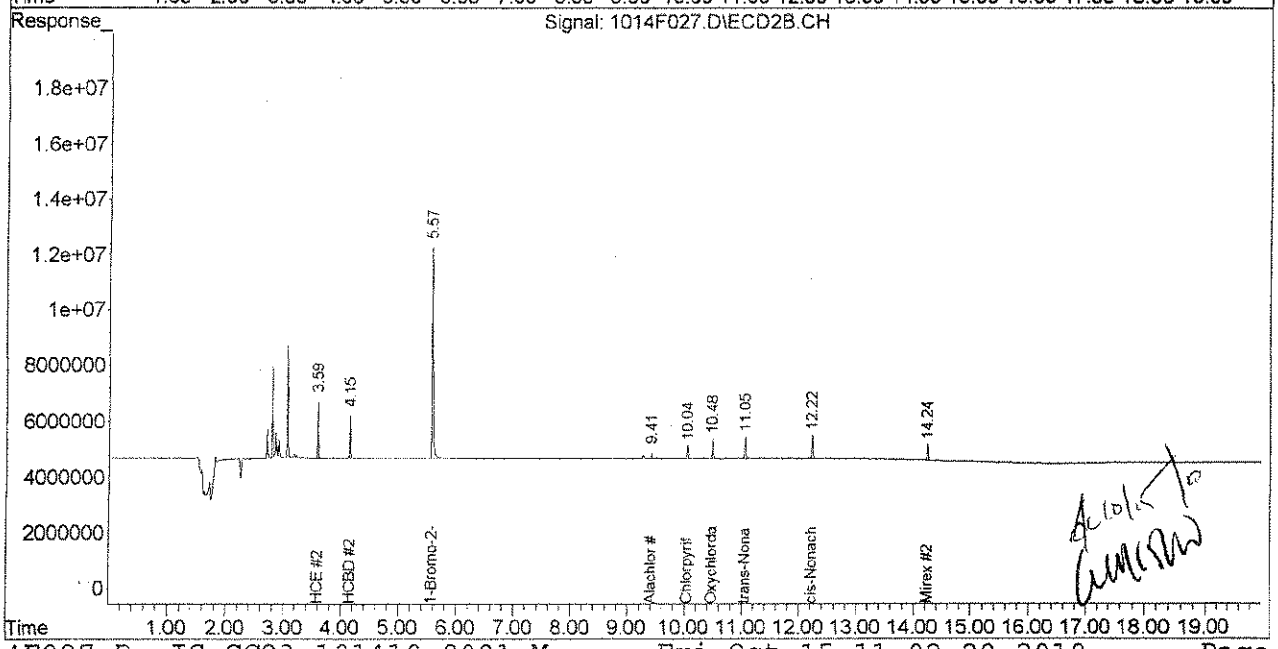
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F027.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\101410\1014F027.D\ECD2B.CH
Acq On : 15 Oct 2010 4:20 am Operator: CCotnam
Sample : MISC @ 5ppb GCPS6-72H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:44 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

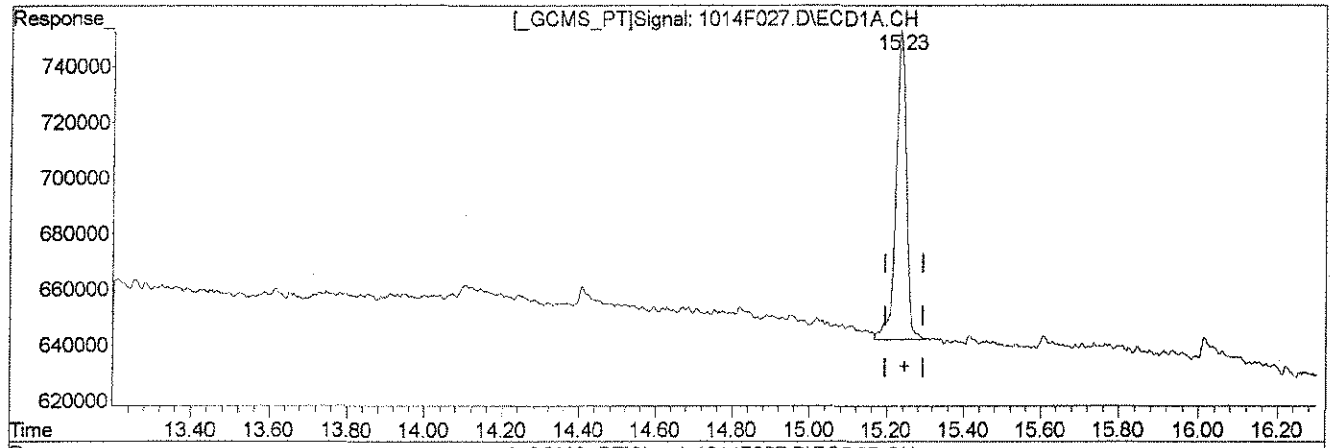


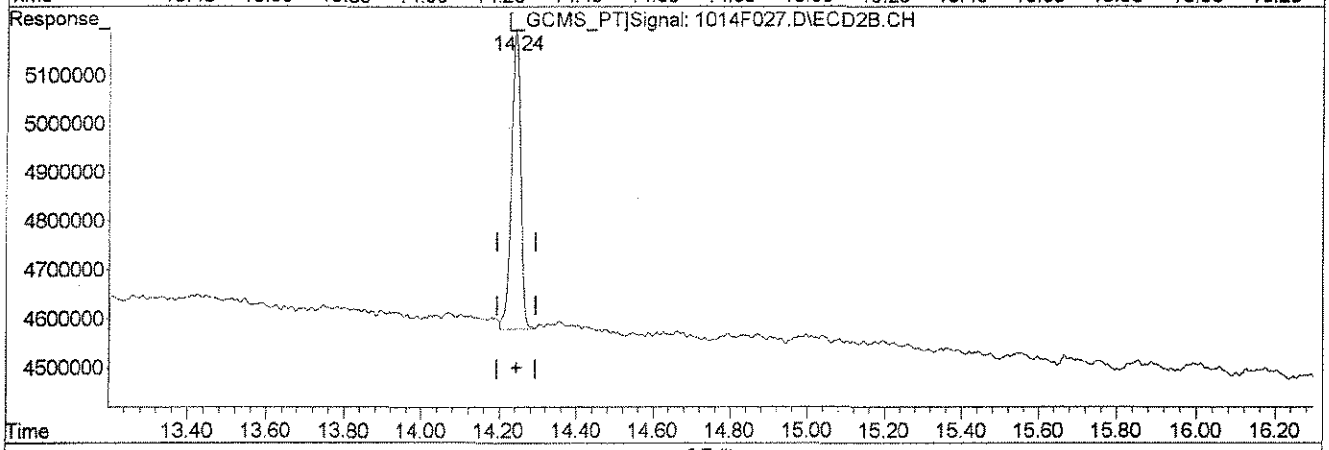


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F027.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\101410\1014F027.D\ECD2B.CH
Acq On : 15 Oct 2010 4:20 am Operator: CCotnam
Sample : MISC @ 5ppb GCPS6-72H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration





QEdit

(45) Mirex
15.23min 6.639ug/L
response 212307

(45) Mirex #2
14.24min 5.231ug/L
response 1015255

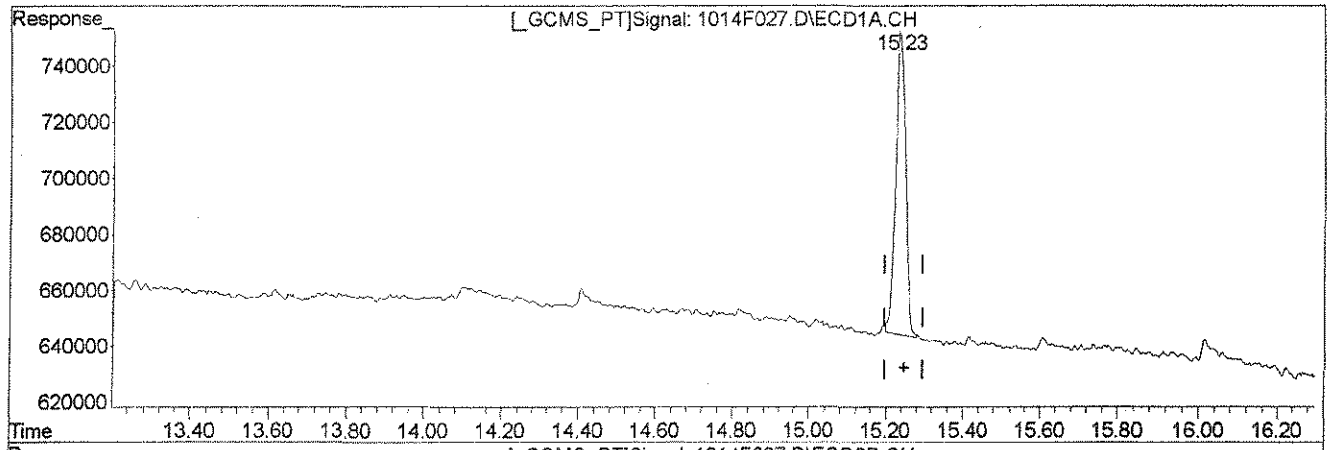
Manual Integration:
Before

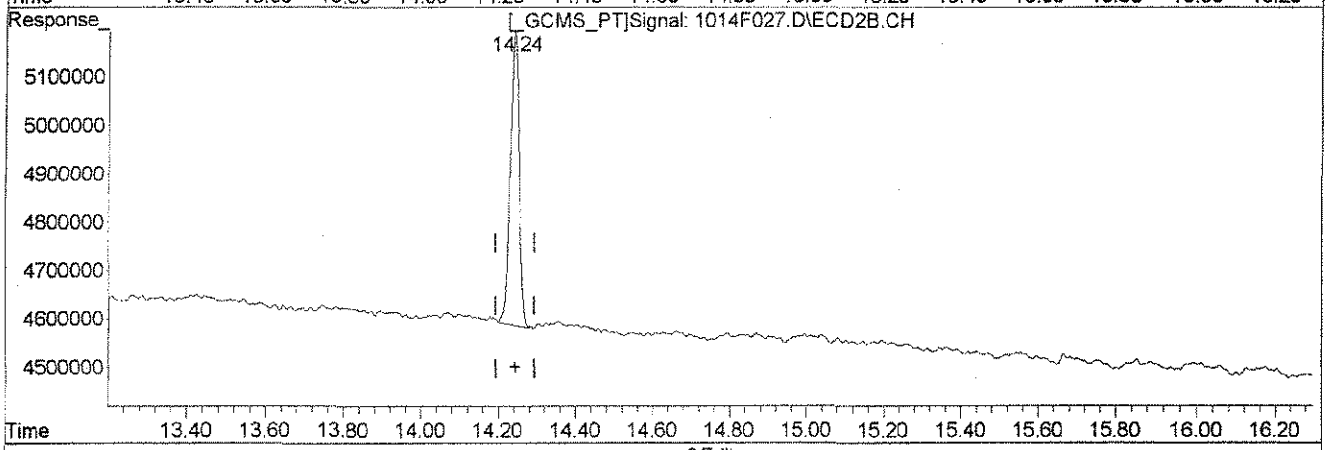
(+) = Expected Retention Time
1014F027.D IS-GC23-101410-8081.M Fri Oct 15 10:44:26 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F027.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\101410\1014F027.D\ECD2B.CH
Acq On : 15 Oct 2010 4:20 am Operator: CCotnam
Sample : MISC @ 5ppb GCPS6-72H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration





QEdit

(45) Mirex
15.23min 6.065ug/L m
response 193936

(45) Mirex #2
14.24min 5.014ug/L m
response 973170

Manual Integration:
After
Baseline/Shoulder
10/15/10

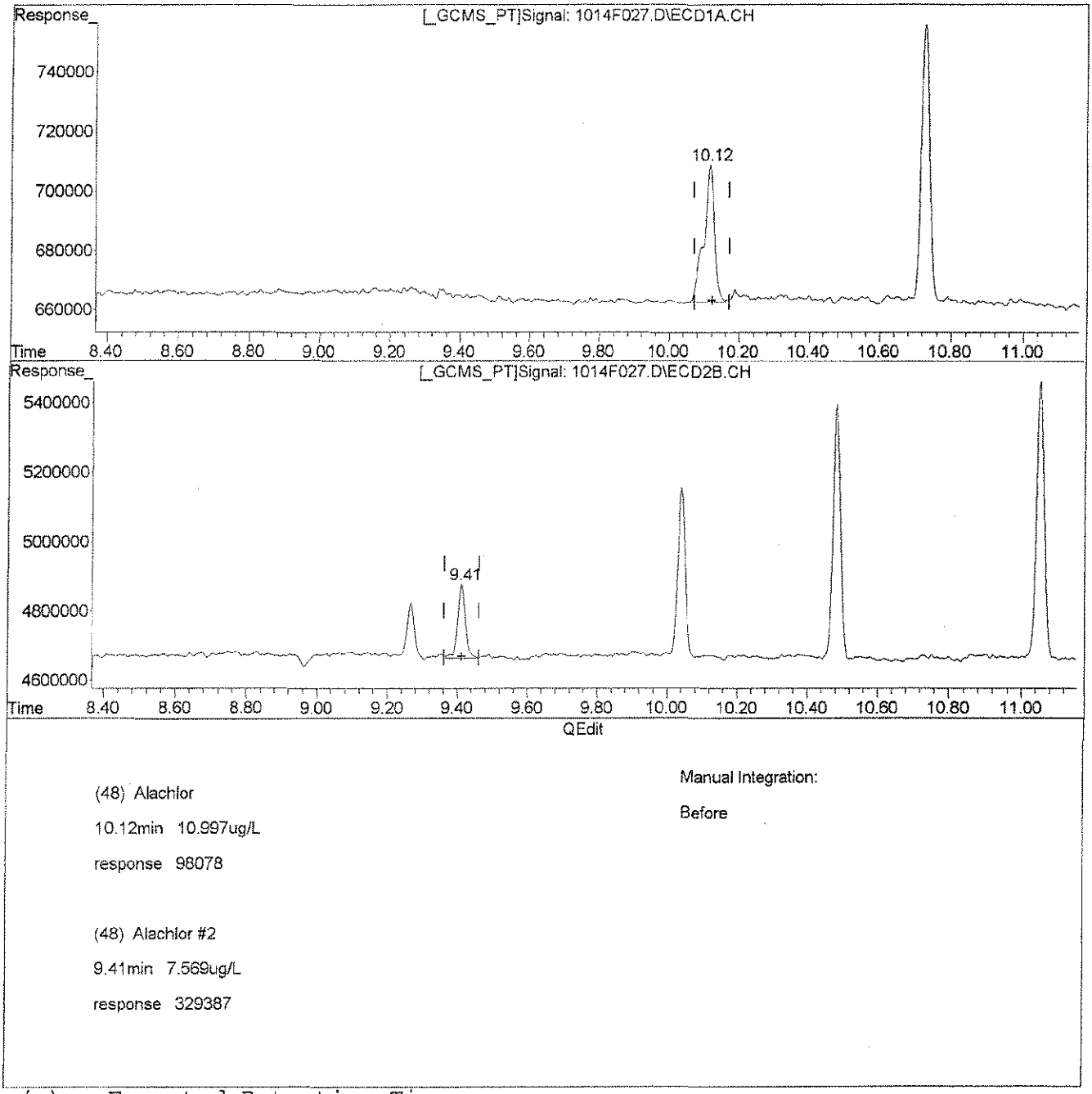
10/15/10

(+) = Expected Retention Time
1014F027.D IS-GC23-101410-8081.M Fri Oct 15 10:44:38 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F027.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\101410\1014F027.D\ECD2B.CH
Acq On : 15 Oct 2010 4:20 am Operator: CCotnam
Sample : MISC @ 5ppb GCPS6-72H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration

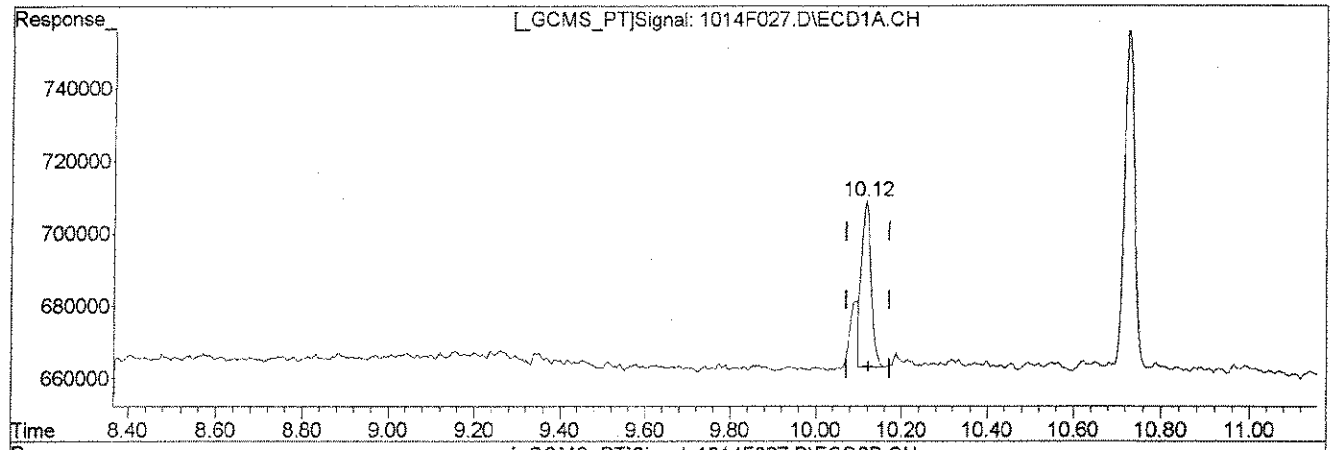


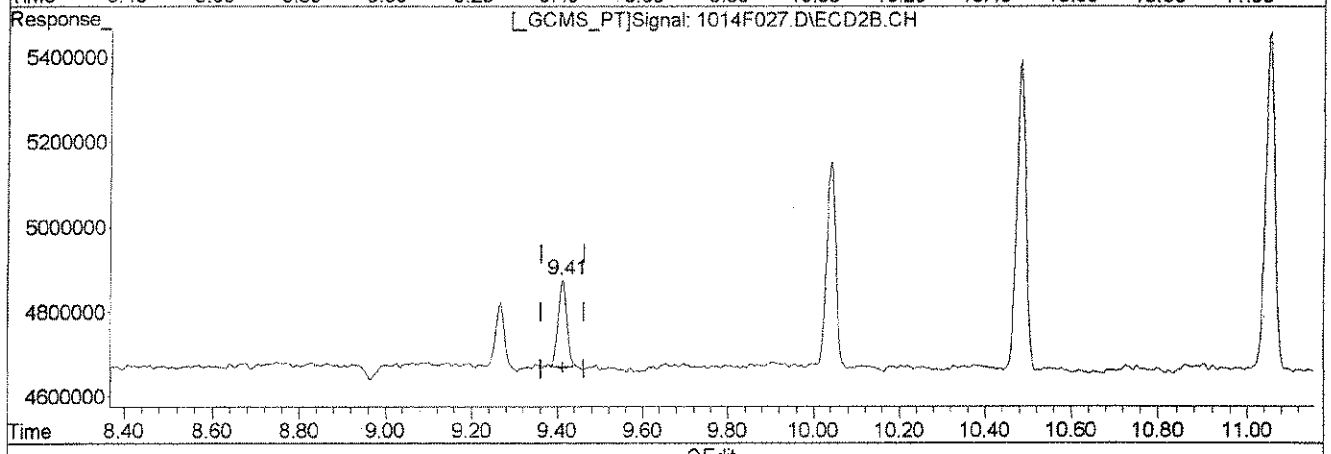
(+) = Expected Retention Time
1014F027.D IS-GC23-101410-8081.M Fri Oct 15 10:44:45 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F027.D\ECD1A.CH Vial: 27
Signal #2 : J:\GC23\DATA\101410\1014F027.D\ECD2B.CH
Acq On : 15 Oct 2010 4:20 am Operator: CCotnam
Sample : MISC @ 5ppb GCPS6-72H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:56 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration





QEdit

(48) Alachlor
10.12min 8.094ug/L m
response 72185

(48) Alachlor #2
9.41min 6.624ug/L m
response 288276

Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F027.D IS-GC23-101410-8081.M Fri Oct 15 10:44:58 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F028.D\ECD1A.CH Vial: 28
Signal #2 : J:\GC23\DATA\101410\1014F028.D\ECD2B.CH
Acq On : 15 Oct 2010 4:47 am Operator: CCotnam
Sample : MISC @ 20ppb GCPS6-72I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:57:00 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
40)	1-Bromo-2-nitrob	5.84	5.57	2176671	10959482	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
41)	Chlorpyrifos	10.72	10.04	571874	2986180	23.119	22.338
42)	Oxychlordane	11.49	10.48	938813	4623178	23.139	20.876
43)	cis-Nonachlor	13.13	12.22	1073712	5323198	26.082	19.708
44)	trans-Nonachlor	12.17	11.05	1013068	5056260	23.912	20.417
45)	Mirex	15.23	14.24	766896	4008776	23.967	20.719
46)	HCE	3.98	3.59	1794828	8734902	20.991	20.341
47)	HCBD	4.70	4.14	1340983	6513583	20.405	19.891
48)	Alachlor	10.11	9.41	194480	857639	21.794m	19.770

10/15/10

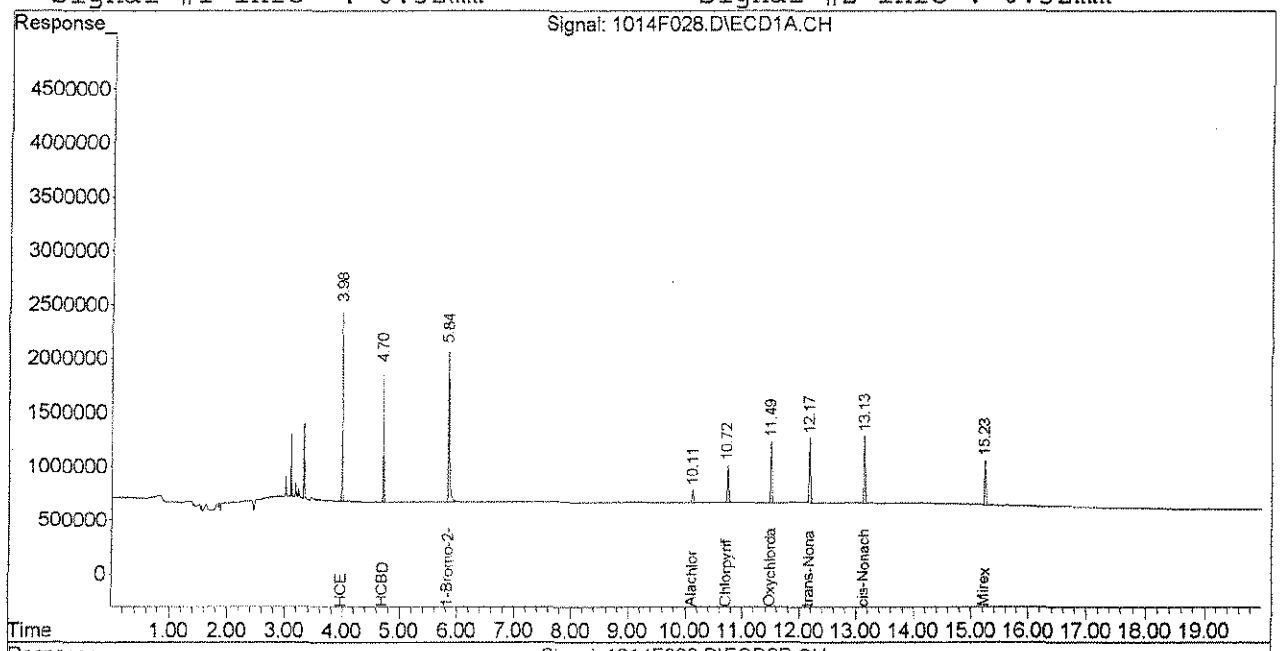
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
1014F028.D IS-GC23-101410-8081.M Fri Oct 15 11:02:33 2010 Page 1

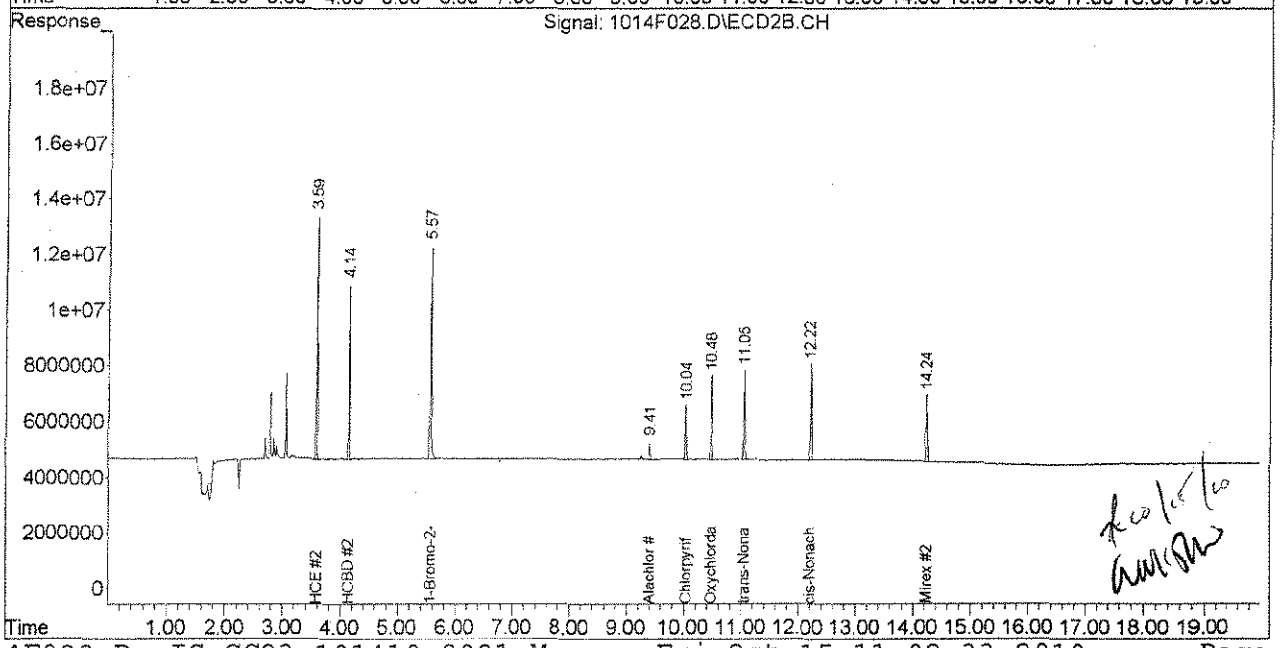
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F028.D\ECD1A.CH Vial: 28
Signal #2 : J:\GC23\DATA\101410\1014F028.D\ECD2B.CH
Acq On : 15 Oct 2010 4:47 am Operator: CCotnam
Sample : MISC @ 20ppb GCPS6-72I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:45 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

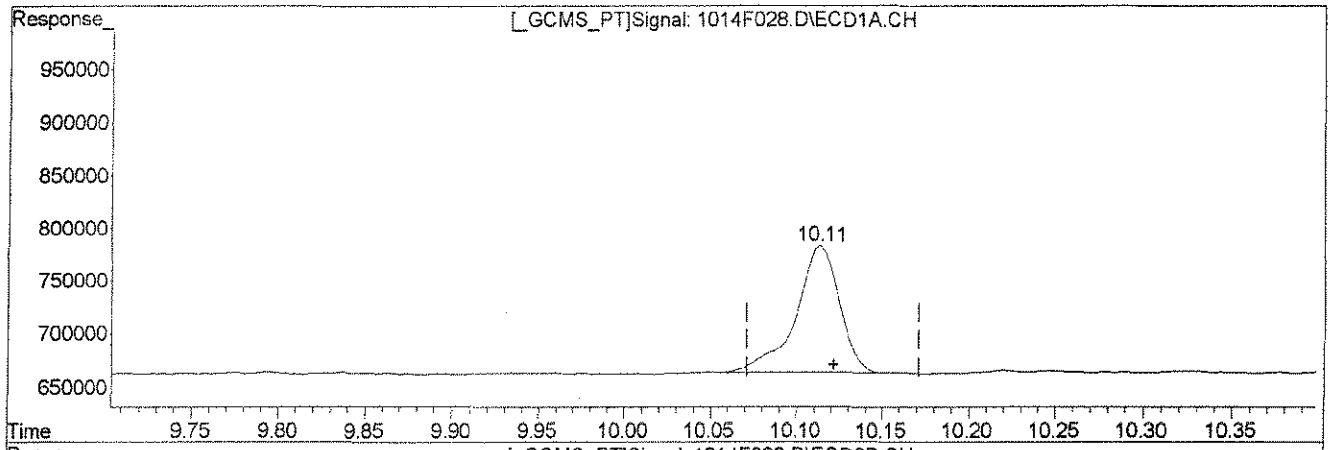


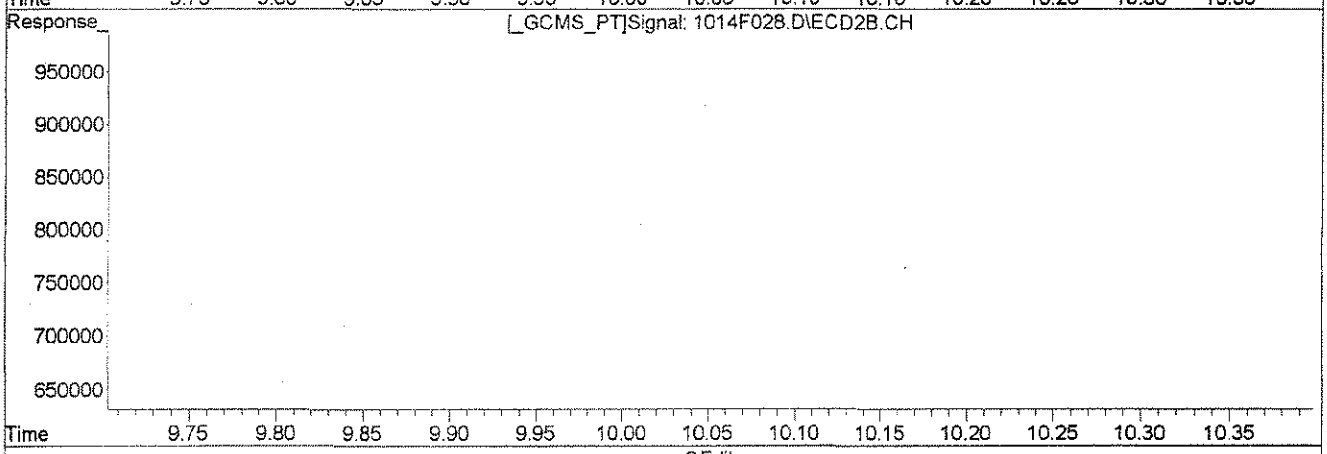


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F028.D\ECD1A.CH Vial: 28
Signal #2 : J:\GC23\DATA\101410\1014F028.D\ECD2B.CH
Acq On : 15 Oct 2010 4:47 am Operator: CCotnam
Sample : MISC @ 20ppb GCPS6-72I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:57 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration





QEdit

(48) Alachlor
10.11min 23.965ug/L
response 213860

(48) Alachlor #2
9.41min 19.770ug/L
response 857639

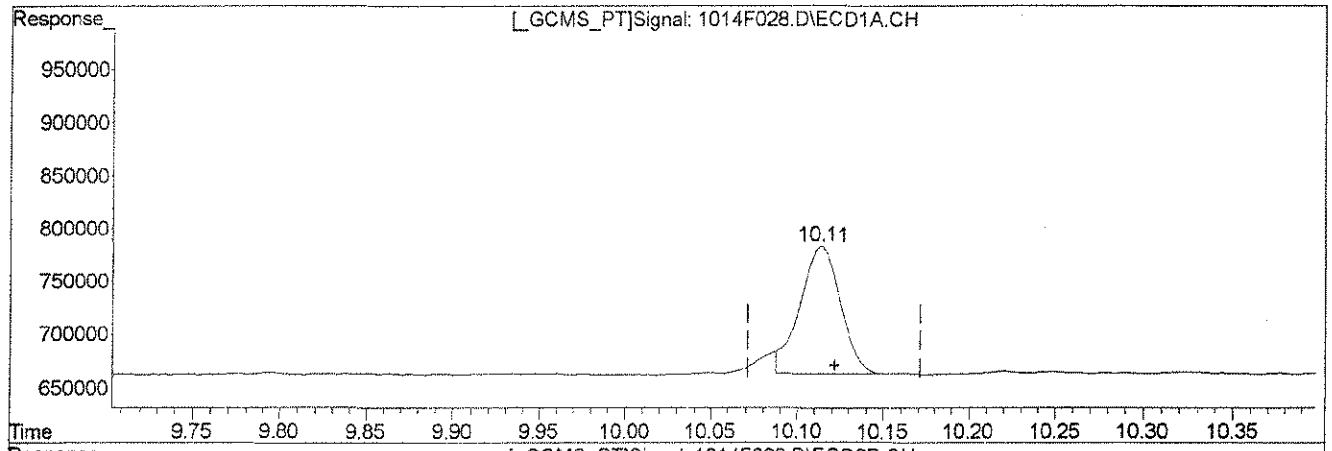
Manual Integration:
Before

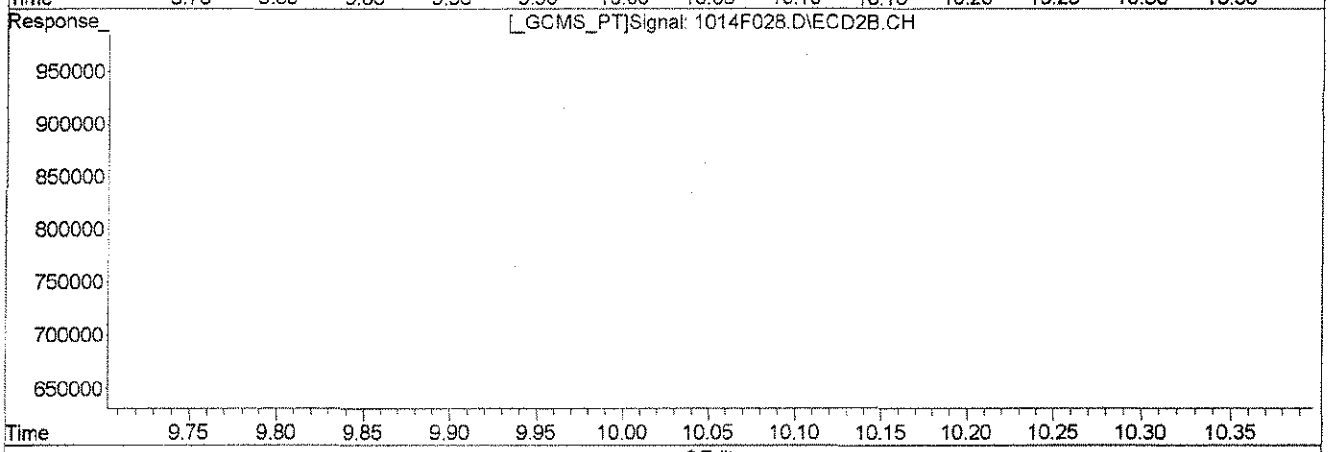
(+) = Expected Retention Time
1014F028.D IS-GC23-101410-8081.M Fri Oct 15 10:45:32 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F028.D\ECD1A.CH Vial: 28
Signal #2 : J:\GC23\DATA\101410\1014F028.D\ECD2B.CH
Acq On : 15 Oct 2010 4:47 am Operator: CCotnam
Sample : MISC @ 20ppb GCPS6-72I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:57 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration





QEdit

(48) Alachlor
10.11min 21.794ug/L m
response 194480

(48) Alachlor #2
9.41min 19.770ug/L
response 857639

Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F028.D IS-GC23-101410-8081.M Fri Oct 15 10:45:39 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F029.D\ECD1A.CH Vial: 29
Signal #2 : J:\GC23\DATA\101410\1014F029.D\ECD2B.CH
Acq On : 15 Oct 2010 5:14 am Operator: CCotnam
Sample : MISC @ 50ppb GCPS6-72J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:57:01 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
40)	1-Bromo-2-nitrob	5.84	5.57	2161252	10975296	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
41)	Chlorpyrifos	10.72	10.03	1329659	6954920	54.138	51.951
42)	Oxychlordane	11.49	10.48	2258237	11153762	56.055	50.293
43)	cis-Nonachlor	13.13	12.22	2572474	13040268	62.935	48.208
44)	trans-Nonachlor	12.16	11.05	2427103	12231994	57.698	49.321
45)	Mirex	15.23	14.24	1804617	9514003	56.801	49.102
46)	HCE	3.98	3.59	4558205	22748089	53.689	52.897
47)	HCBD	4.70	4.14	3259682	16211987	49.954	49.435
48)	Alachlor	10.11	9.41	472145	2158146	53.286m	49.677

10/15/10

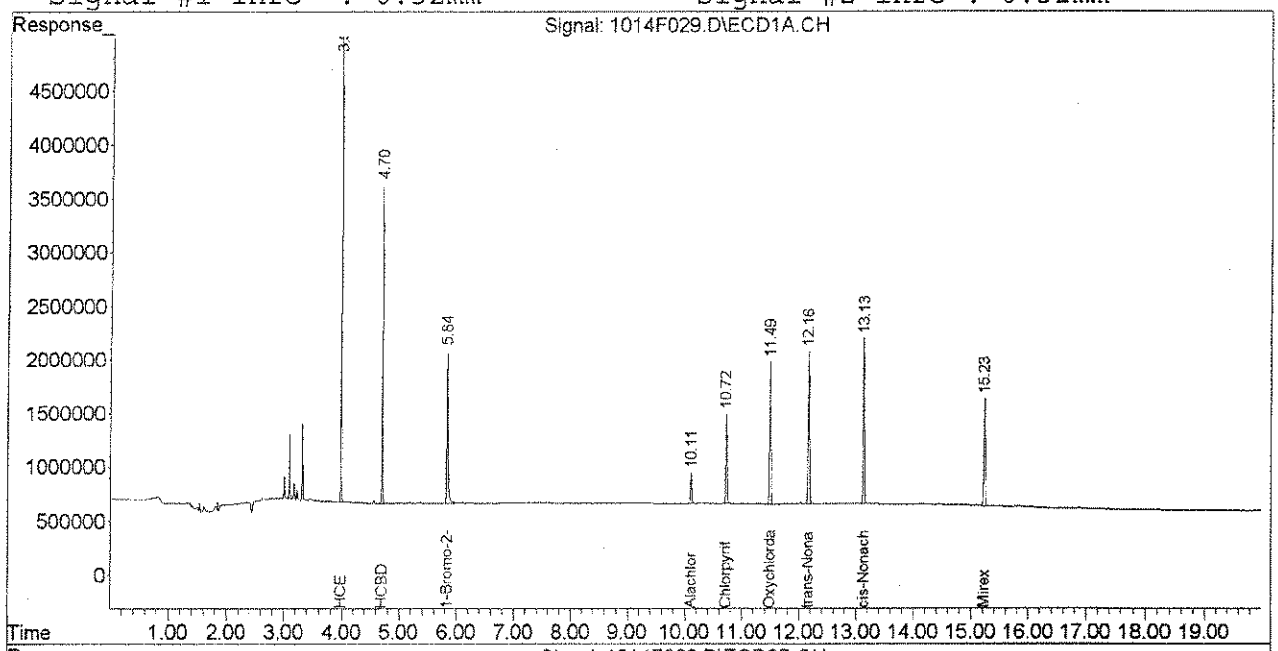
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

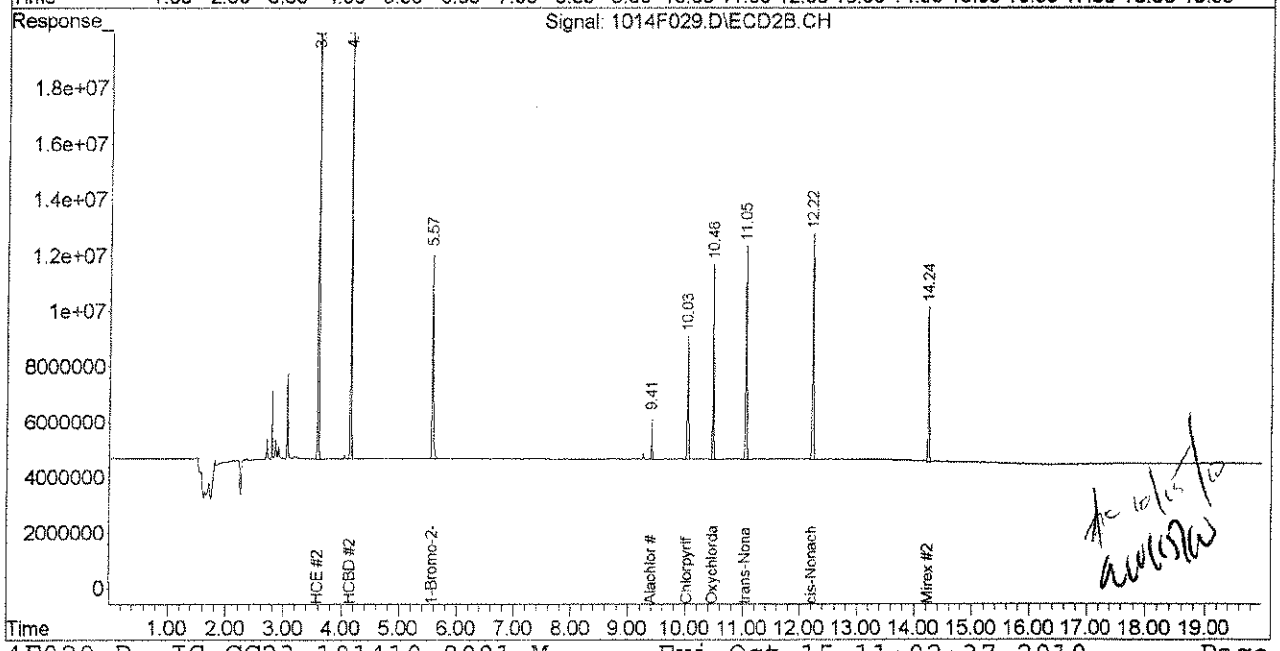
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F029.D\ECD1A.CH Vial: 29
Signal #2 : J:\GC23\DATA\101410\1014F029.D\ECD2B.CH
Acq On : 15 Oct 2010 5:14 am Operator: CCotnam
Sample : MISC @ 50ppb GCPS6-72J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:46 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

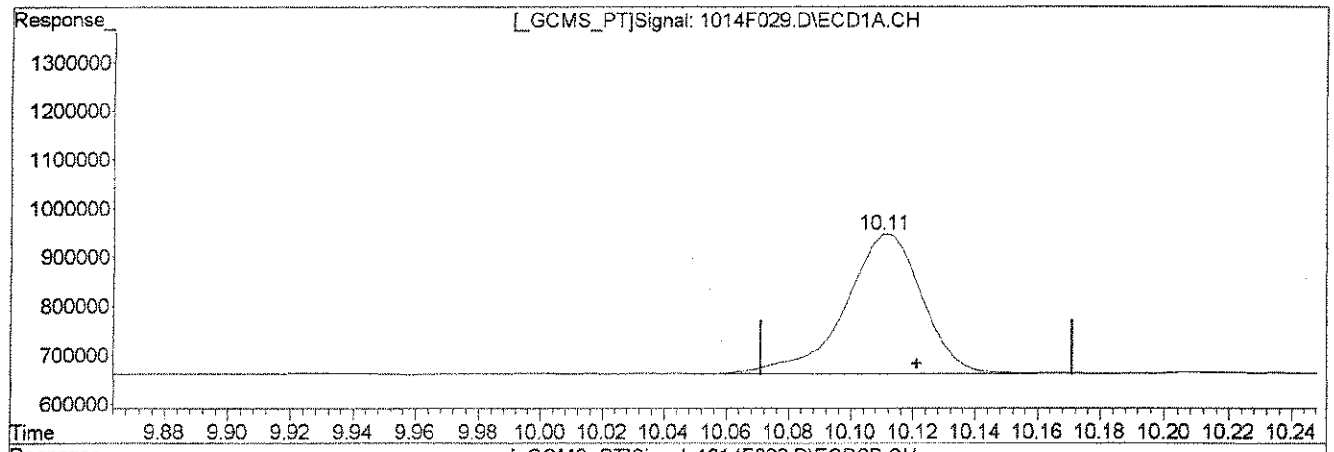


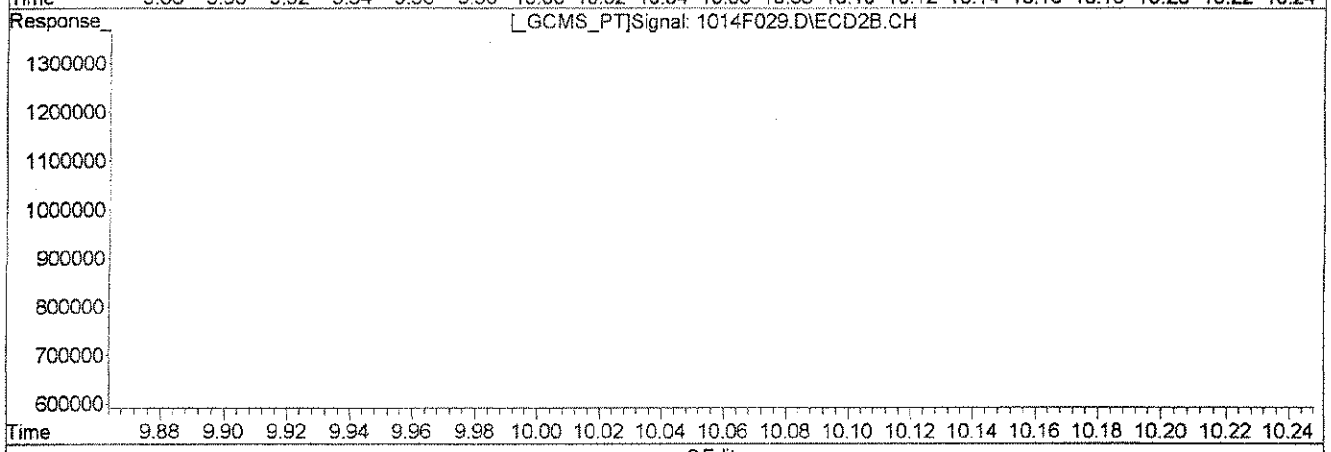


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F029.D\ECD1A.CH Vial: 29
Signal #2 : J:\GC23\DATA\101410\1014F029.D\ECD2B.CH
Acq On : 15 Oct 2010 5:14 am Operator: CCotnam
Sample : MISC @ 50ppb GCPS6-72J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:57 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration





QEdit

(48) Alachlor

10.11min 56.120ug/L

response 497249

(48) Alachlor #2

9.41min 49.677ug/L

response 2158146

Manual Integration:

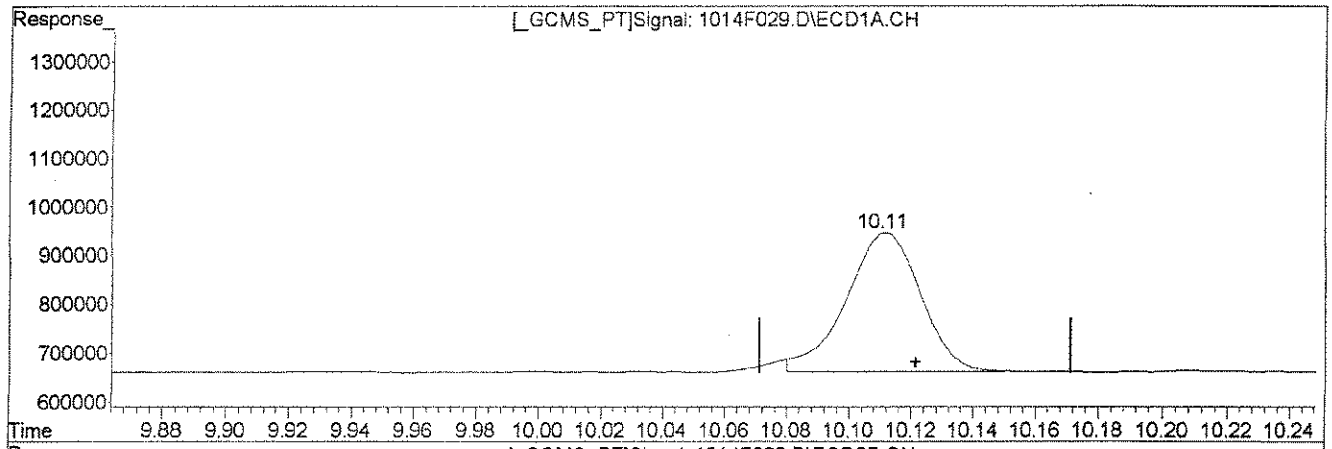
Before

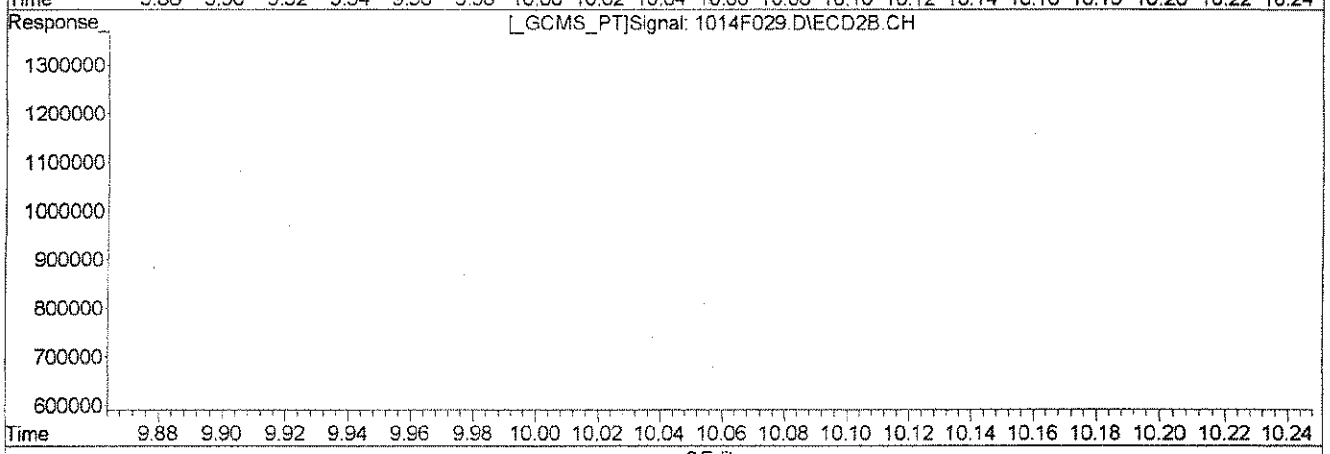
(+) = Expected Retention Time
1014F029.D IS-GC23-101410-8081.M Fri Oct 15 10:46:11 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F029.D\ECD1A.CH Vial: 29
Signal #2 : J:\GC23\DATA\101410\1014F029.D\ECD2B.CH
Acq On : 15 Oct 2010 5:14 am Operator: CCotnam
Sample : MISC @ 50ppb GCPS6-72J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:57 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:42:06 2010
Response via : Multiple Level Calibration





QEdit

(48) Alachlor
10.11min 53.286ug/L m
response 472145

(48) Alachlor #2
9.41min 49.677ug/L
response 2158146

Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F029.D IS-GC23-101410-8081.M Fri Oct 15 10:46:17 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F030.D\ECD1A.CH Vial: 30
Signal #2 : J:\GC23\DATA\101410\1014F030.D\ECD2B.CH
Acq On : 15 Oct 2010 5:40 am Operator: CCotnam
Sample : MISC @ 100ppb GCPS6-72K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:57:01 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
40)	1-Bromo-2-nitrob	5.83	5.56	2091944	10610216	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
41)	Chlorpyrifos	10.72	10.03	2463067	12939411	103.609	99.978
42)	Oxychlordane	11.48	10.47	4192773	20983296	107.523	97.870
43)	cis-Nonachlor	13.12	12.21	4805421	24933365	121.458	95.347
44)	trans-Nonachlor	12.16	11.04	4487961	23071786	110.224	96.230
45)	Mirex	15.22	14.23	3267764	17703589	106.261	94.513
46)	HCE	3.98	3.59	9083490	45679150	110.535	109.874
47)	HCBD	4.70	4.14	6295091	31783018	99.667	100.251
48)	Alachlor	10.10	9.40	862734	3992304	100.594	95.059

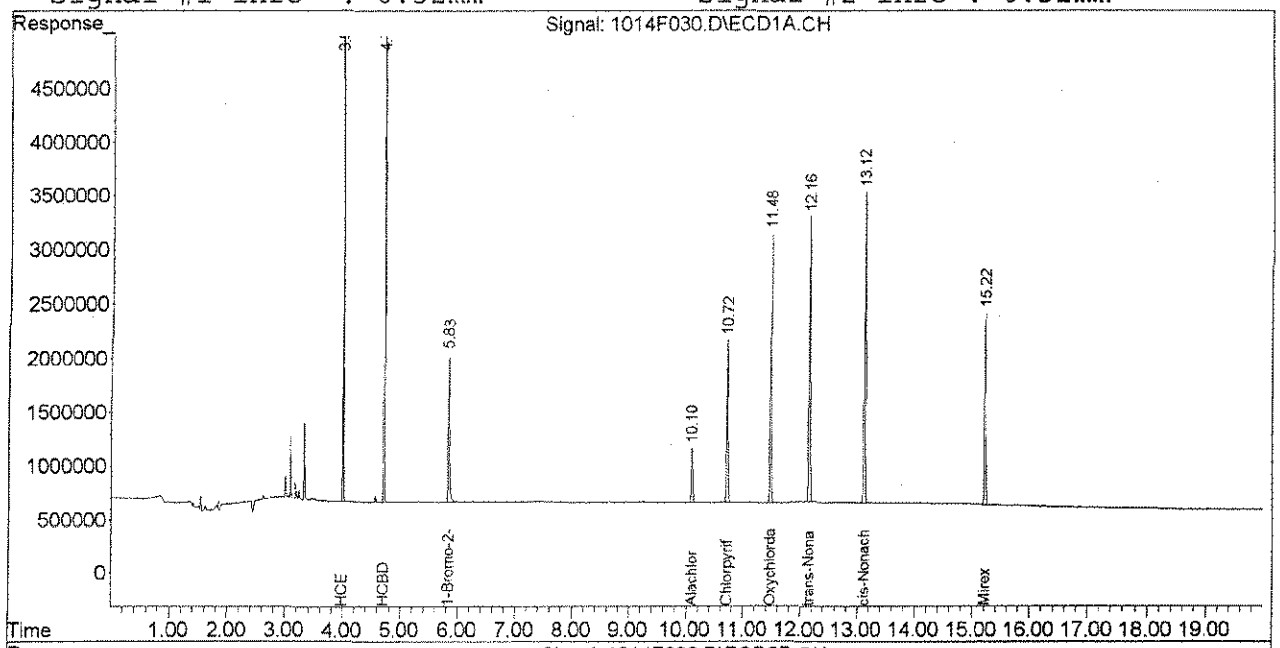
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

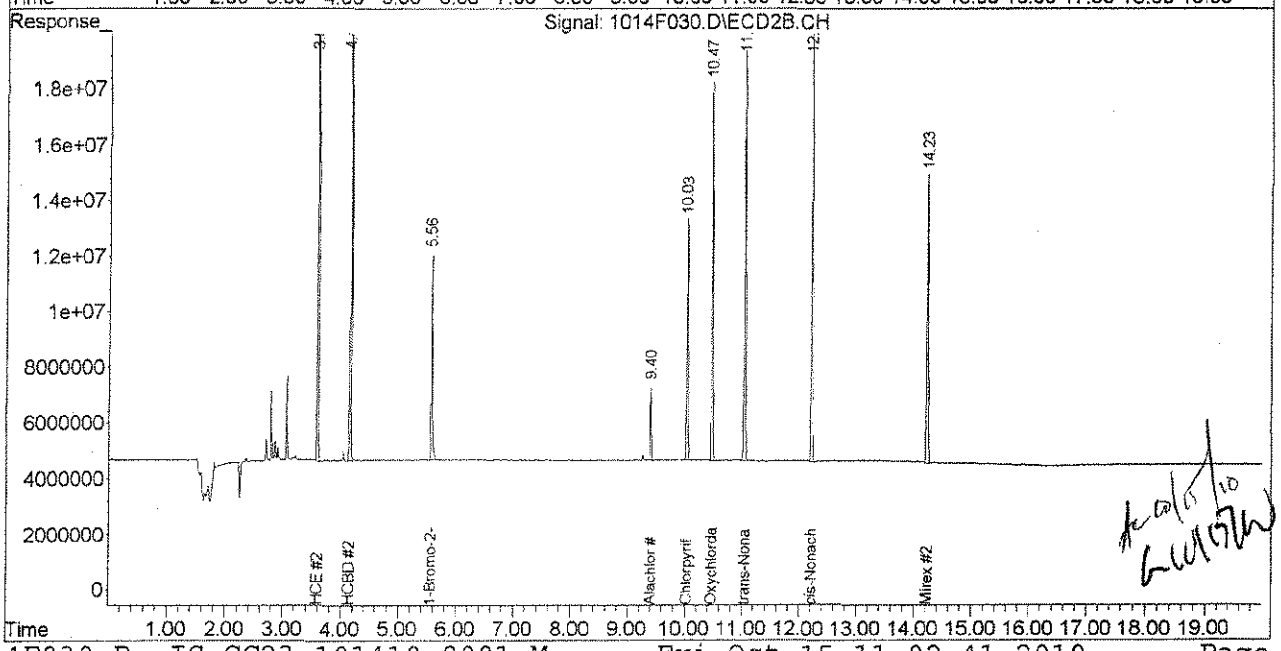
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F030.D\ECD1A.CH Vial: 30
Signal #2 : J:\GC23\DATA\101410\1014F030.D\ECD2B.CH
Acq On : 15 Oct 2010 5:40 am Operator: CCotnam
Sample : MISC @ 100ppb GCPS6-72K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:46 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F031.D\ECD1A.CH Vial: 31
Signal #2 : J:\GC23\DATA\101410\1014F031.D\ECD2B.CH
Acq On : 15 Oct 2010 6:07 am Operator: CCotnam
Sample : MISC @ 200ppb GCPS6-72L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:57:02 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
40)	1-Bromo-2-nitrob	5.84	5.57	2162328	11039366	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
41)	Chlorpyrifos	10.72	10.04	4671203	24631988	190.098	182.924
42)	Oxychlordane	11.49	10.48	8227607	41576096	204.128	186.380
43)	cis-Nonachlor	13.13	12.22	9487664	49846962	231.997	183.208
44)	trans-Nonachlor	12.17	11.05	8820595	45807657	209.581	183.631
45)	Mirex	15.23	14.24	6166270	34102501	193.988	174.983
46)	HCE	3.98	3.59	18784405	95019045	221.143	219.669
47)	HCBD	4.70	4.14	12786957	64566049	195.859	195.740
48)	Alachlor	10.11	9.41	1621129	7684833	182.870	175.867

A 10/15/10
[illegible]

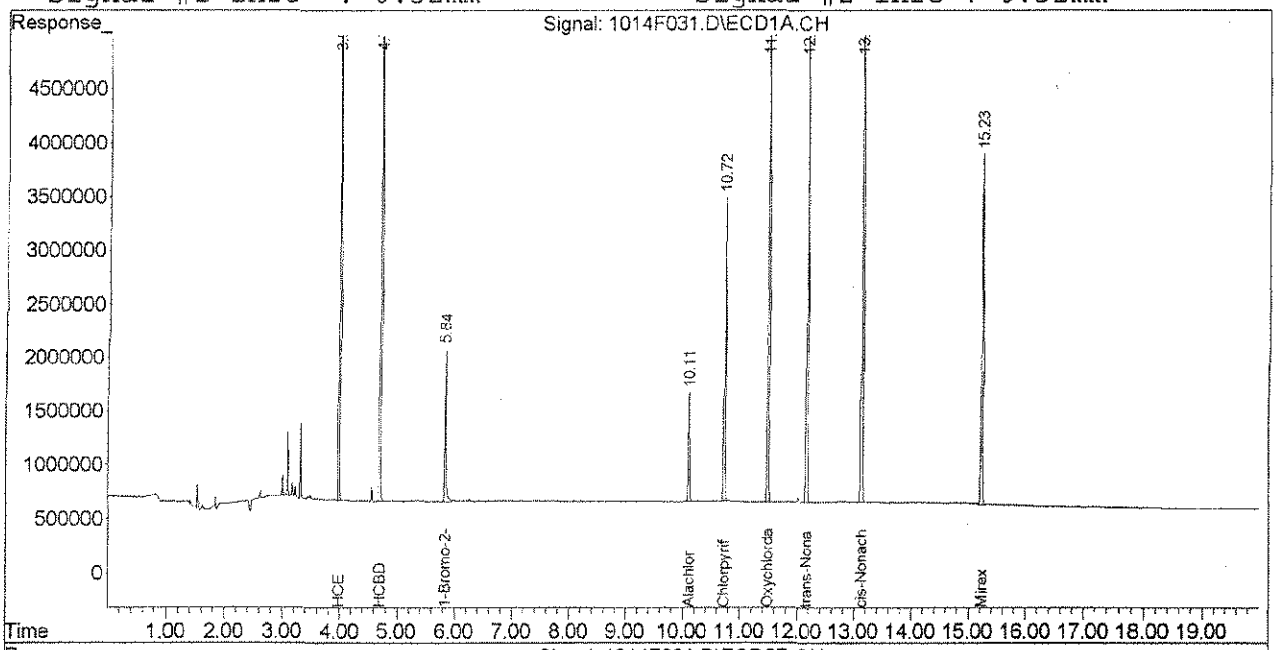
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

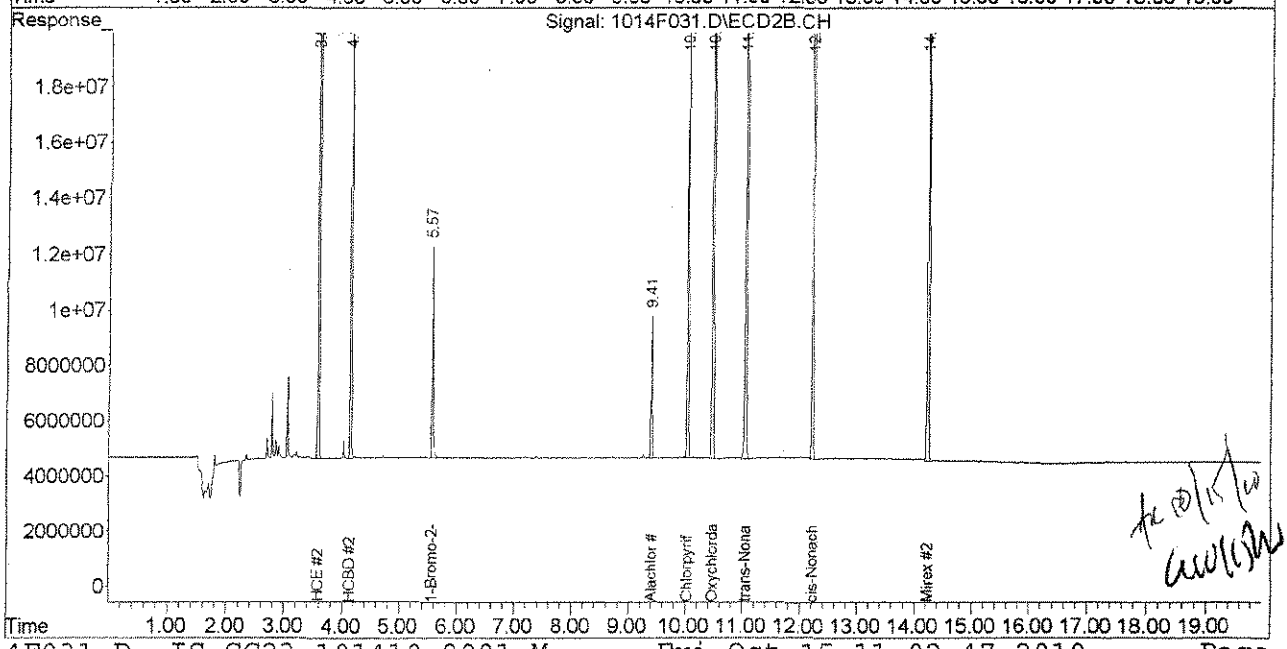
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F031.D\ECD1A.CH Vial: 31
Signal #2 : J:\GC23\DATA\101410\1014F031.D\ECD2B.CH
Acq On : 15 Oct 2010 6:07 am Operator: CCotnam
Sample : MISC @ 200ppb GCPS6-72L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:46 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F032.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\101410\1014F032.D\ECD2B.CH
Acq On : 15 Oct 2010 6:33 am Operator: CCotnam
Sample : MISC @ 40ppb GCPS6-68D Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:49:05 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:48:49 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
40)	1-Bromo-2-nitrob	5.84	5.57	2120412	10665866	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
41)	Chlorpyrifos	10.72	10.04	1111371	5779876	41.290	42.016
42)	Oxychlordane	11.49	10.48	1923727	9435860	42.743	43.921
43)	cis-Nonachlor	13.13	12.22	2150340	10799907	42.087	42.432
44)	trans-Nonachlor	12.17	11.05	2089767	10435828	43.292	43.600
45)	Mirex	15.23	14.24	1506243	7863930	41.740	42.652
46)	HCE	3.98	3.59	3755368	18741570	42.231	43.559
47)	HCBD	4.70	4.15	2745940	13611635	42.317	42.985
48)	Alachlor	10.11	9.41	318741	1399391	33.556m	32.792

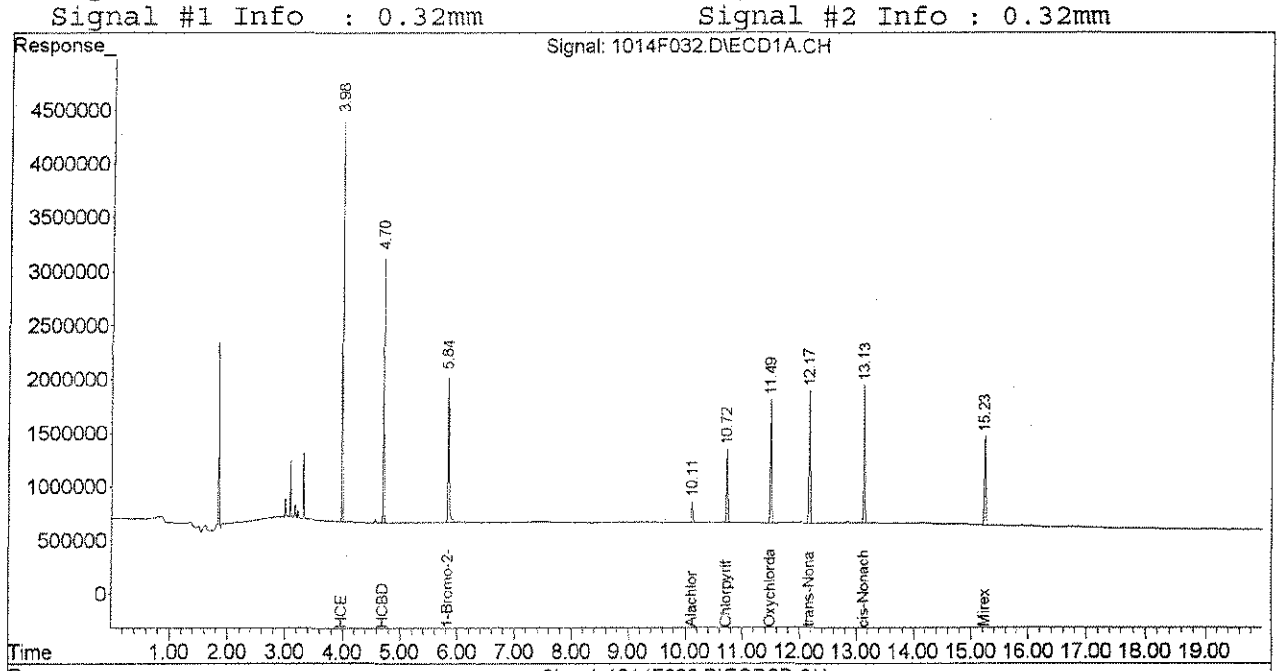
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

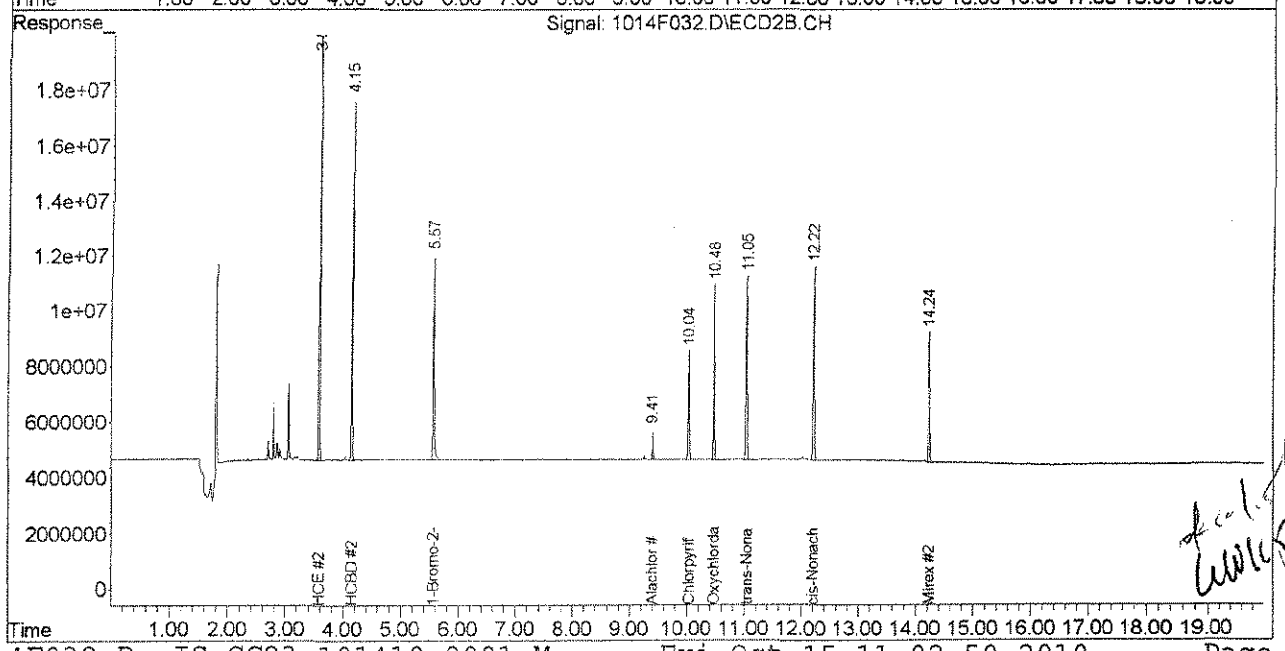
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F032.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\101410\1014F032.D\ECD2B.CH
Acq On : 15 Oct 2010 6:33 am Operator: CCotnam
Sample : MISC @ 40ppb GCPS6-68D Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:49 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:48:49 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

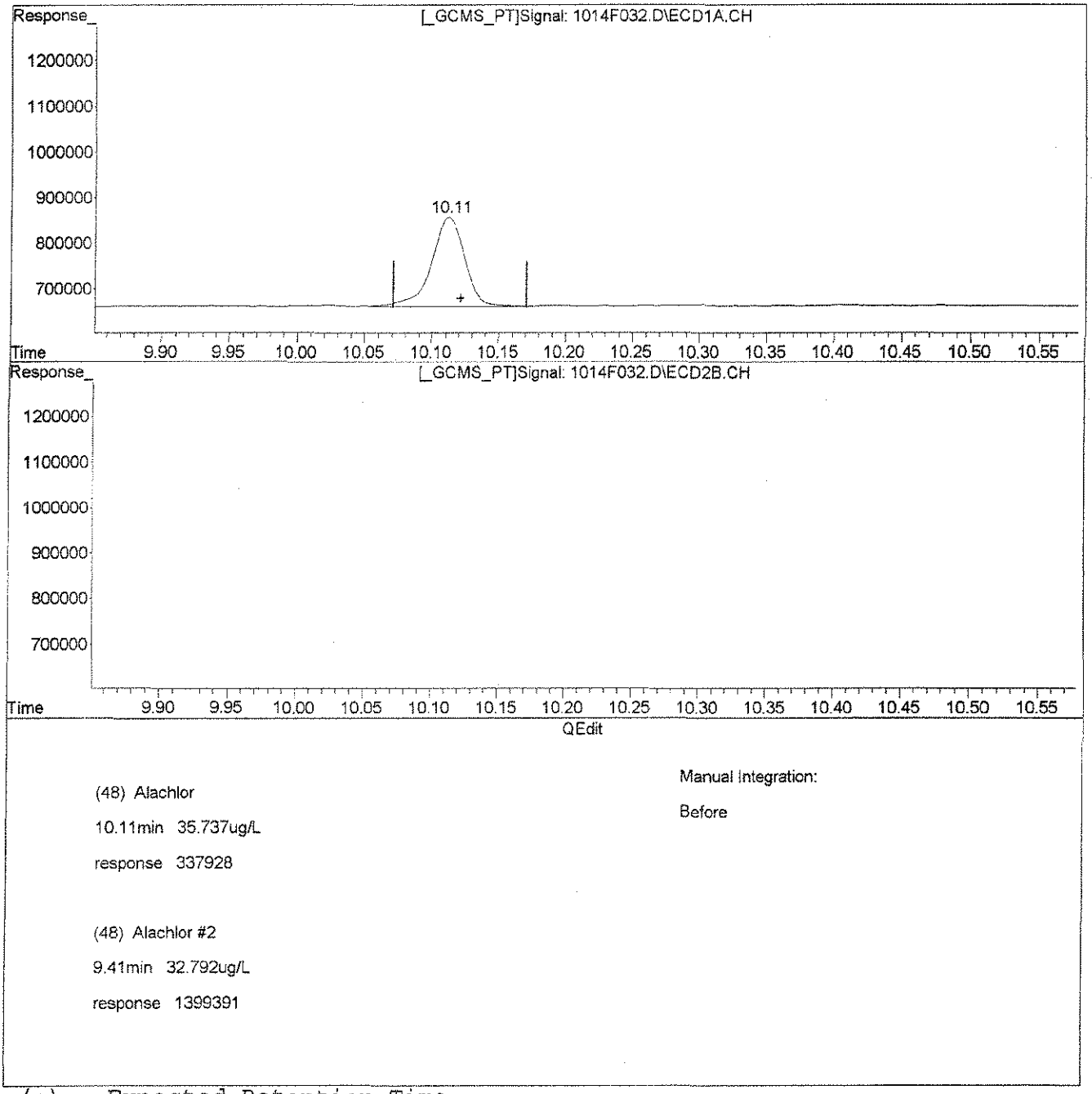




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F032.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\101410\1014F032.D\ECD2B.CH
Acq On : 15 Oct 2010 6:33 am Operator: CCotnam
Sample : MISC @ 40ppb GCPS6-68D Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:49 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:48:49 2010
Response via : Multiple Level Calibration

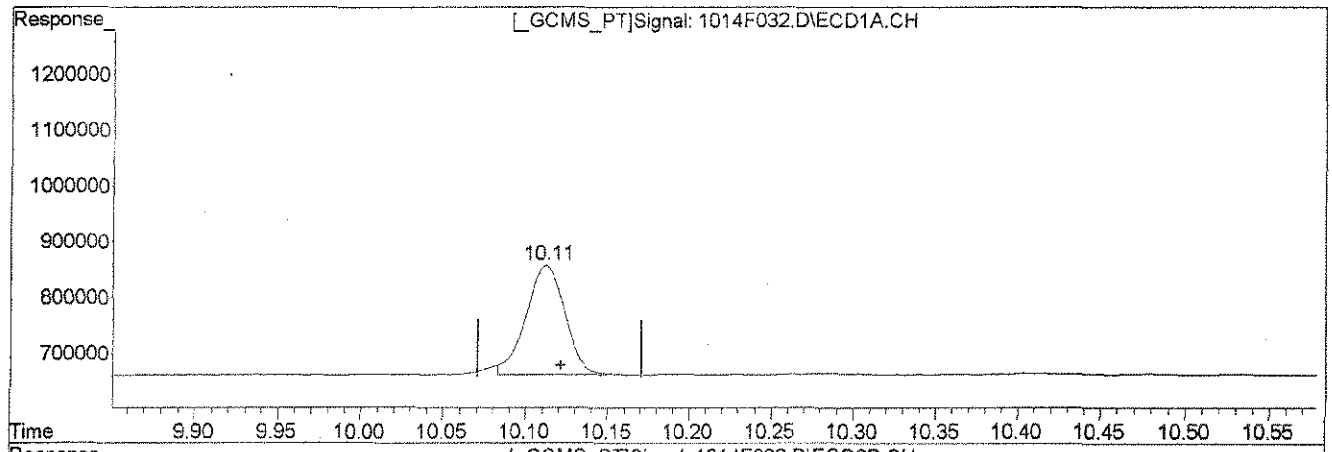


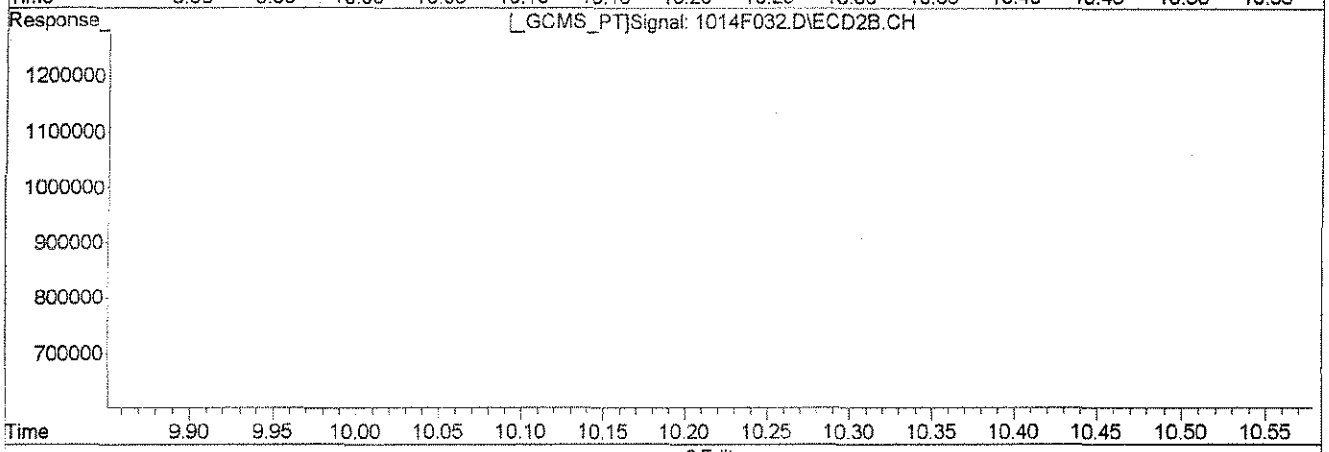
(+) = Expected Retention Time
1014F032.D IS-GC23-101410-8081.M Fri Oct 15 10:49:35 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F032.D\ECD1A.CH Vial: 32
Signal #2 : J:\GC23\DATA\101410\1014F032.D\ECD2B.CH
Acq On : 15 Oct 2010 6:33 am Operator: CCotnam
Sample : MISC @ 40ppb GCPS6-68D Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:49 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:48:49 2010
Response via : Multiple Level Calibration





QEdit

(48) Alachlor
10.11min 33.556ug/L m
response 318741

(48) Alachlor #2
9.41min 32.792ug/L
response 1399391

Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F032.D IS-GC23-101410-8081.M Fri Oct 15 10:49:42 2010

Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F033.D\ECD1A.CH Vial: 33
Signal #2 : J:\GC23\DATA\101410\1014F033.D\ECD2B.CH
Acq On : 15 Oct 2010 7:00 am Operator: CCotnam
Sample : 2,4'S @ 2ppb GCPS6-72B Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:57:03 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
49)	1-Bromo-2-nitrob	5.84	5.57	2114371	10649023	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
50)	2,4'-DDE	11.79	11.03	71976	363469	2.273	2.205
51)	2,4'-DDD	12.49	11.78	68523	279879	2.434	1.805 #
52)	2,4'-DDT	12.95	12.20	76941	320122	2.491	1.993

tc 10/15/10

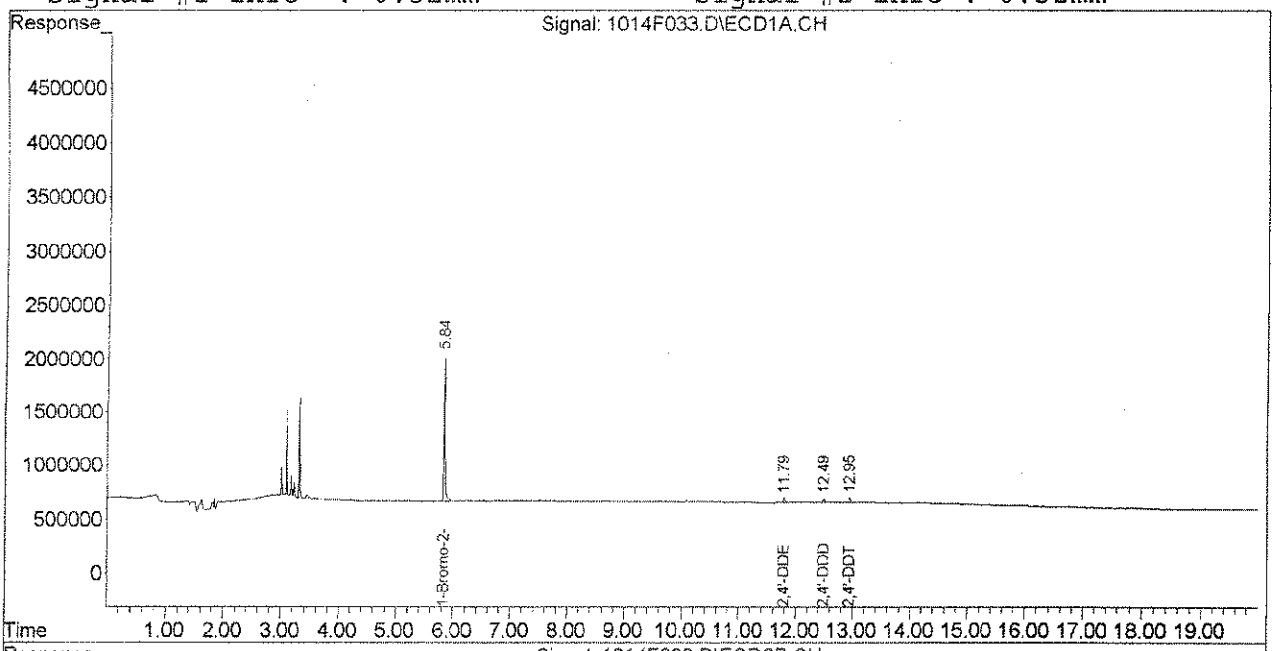
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

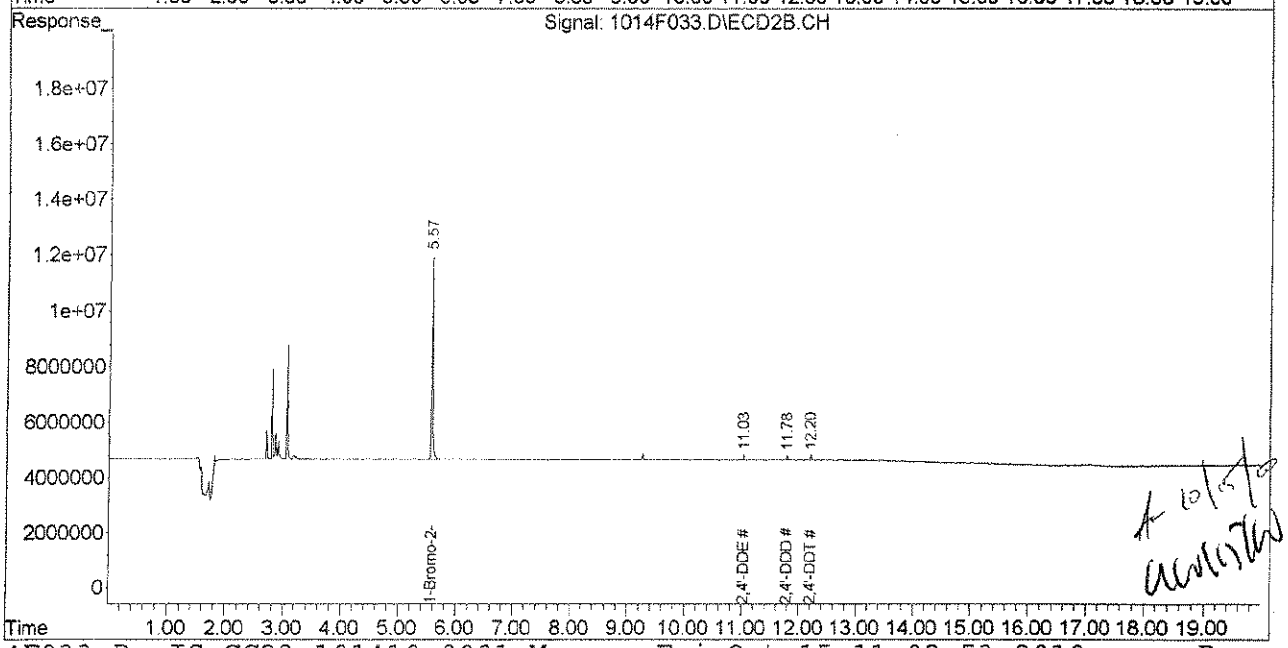
Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F033.D\ECD1A.CH Vial: 33
Signal #2 : J:\GC23\DATA\101410\1014F033.D\ECD2B.CH
Acq On : 15 Oct 2010 7:00 am Operator: CCotnam
Sample : 2,4'S @ 2ppb GCPS6-72B Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:51 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F034.D\ECD1A.CH Vial: 34
Signal #2 : J:\GC23\DATA\101410\1014F034.D\ECD2B.CH
Acq On : 15 Oct 2010 7:27 am Operator: CCotnam
Sample : 2,4'S @ 5ppb GCPS6-72C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:57:04 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
49)	1-Bromo-2-nitrob	5.84	5.57	2156935	11012040	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
50)	2,4'-DDE	11.79	11.02	186533	880870	5.775	5.168
51)	2,4'-DDD	12.49	11.78	175544	753482	6.114	4.699
52)	2,4'-DDT	12.94	12.20	207137	867009	6.573	5.220

Ap 10/15/10
CCotnam

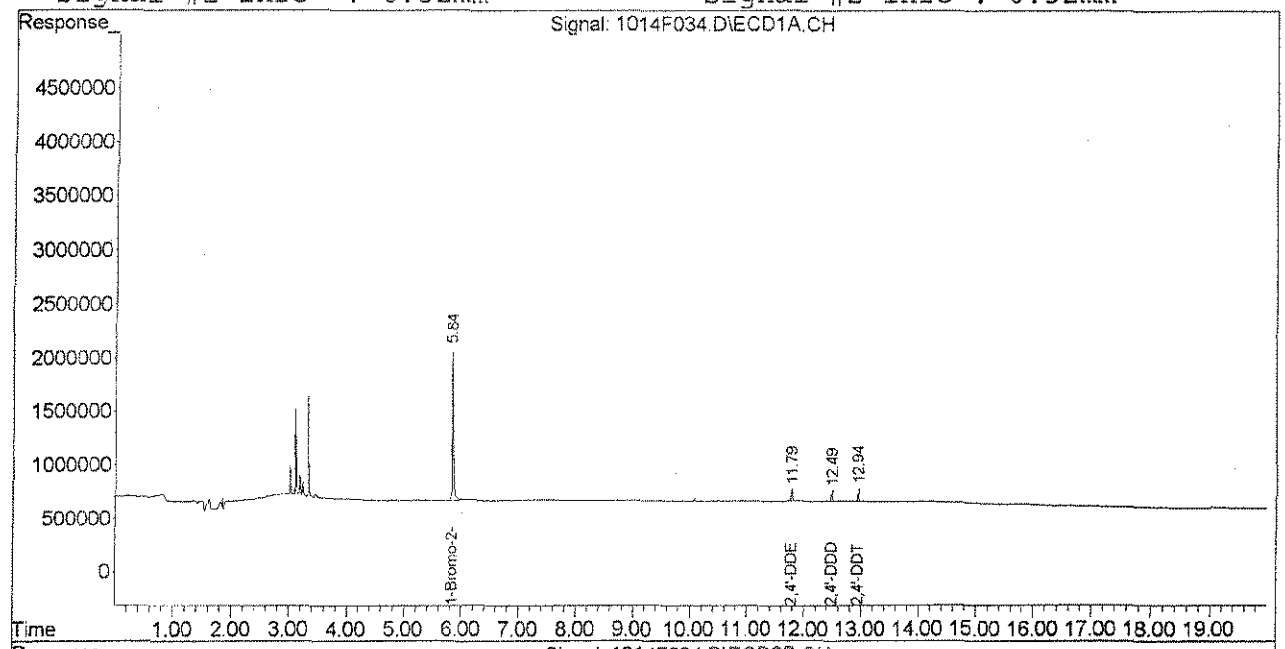
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

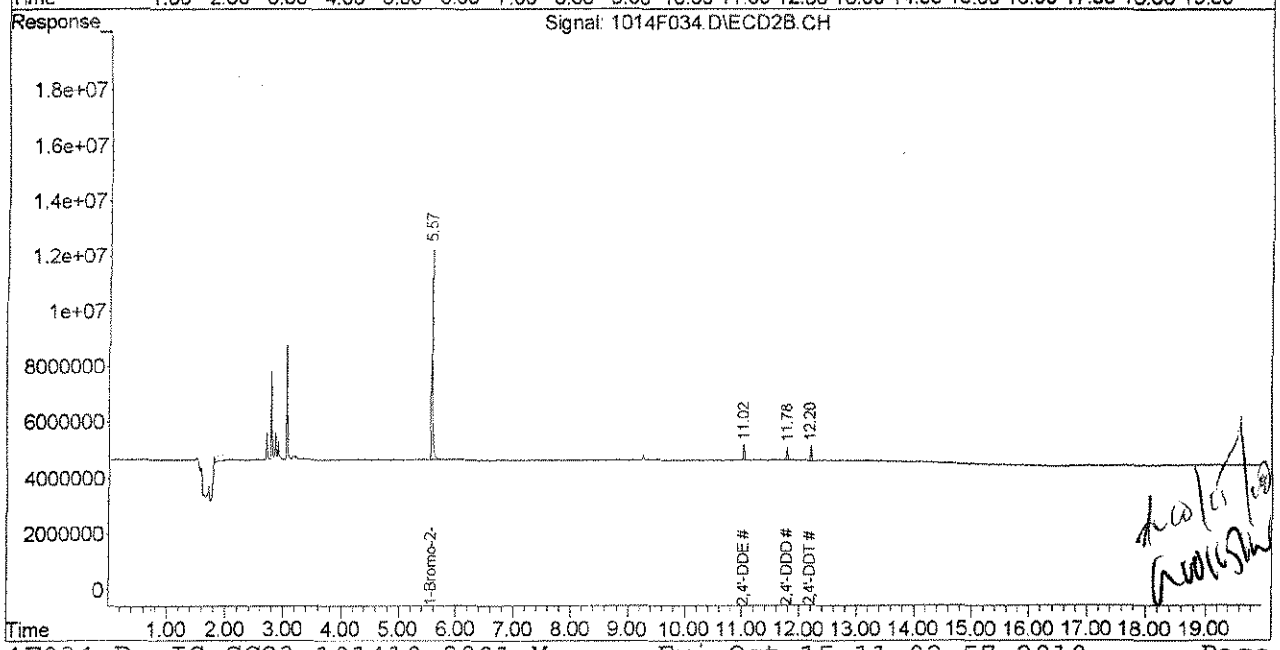
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F034.D\ECD1A.CH Vial: 34
Signal #2 : J:\GC23\DATA\101410\1014F034.D\ECD2B.CH
Acq On : 15 Oct 2010 7:27 am Operator: CCotnam
Sample : 2,4'S @ 5ppb GCPS6-72C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:51 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F035.D\ECD1A.CH Vial: 35
Signal #2 : J:\GC23\DATA\101410\1014F035.D\ECD2B.CH
Acq On : 15 Oct 2010 7:53 am Operator: CCotnam
Sample : 2,4'S @ 20ppb GCPS6-72D Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:57:05 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
49)	1-Bromo-2-nitrob	5.84	5.57	2164904	10915852	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
50)	2,4'-DDE	11.79	11.03	693882	3402610	21.404	20.139
51)	2,4'-DDD	12.49	11.79	636566	2964771	22.088	18.654m
52)	2,4'-DDT	12.95	12.20	771678	3576849	24.399	21.726

AC 10/18/10

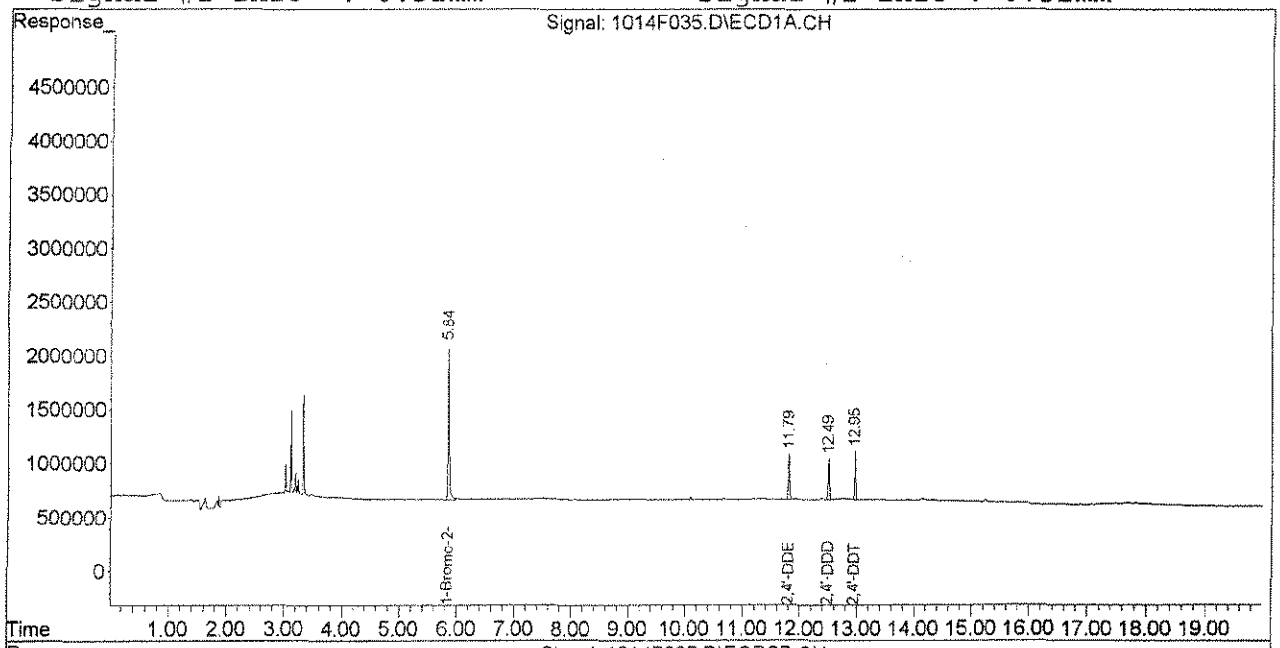
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

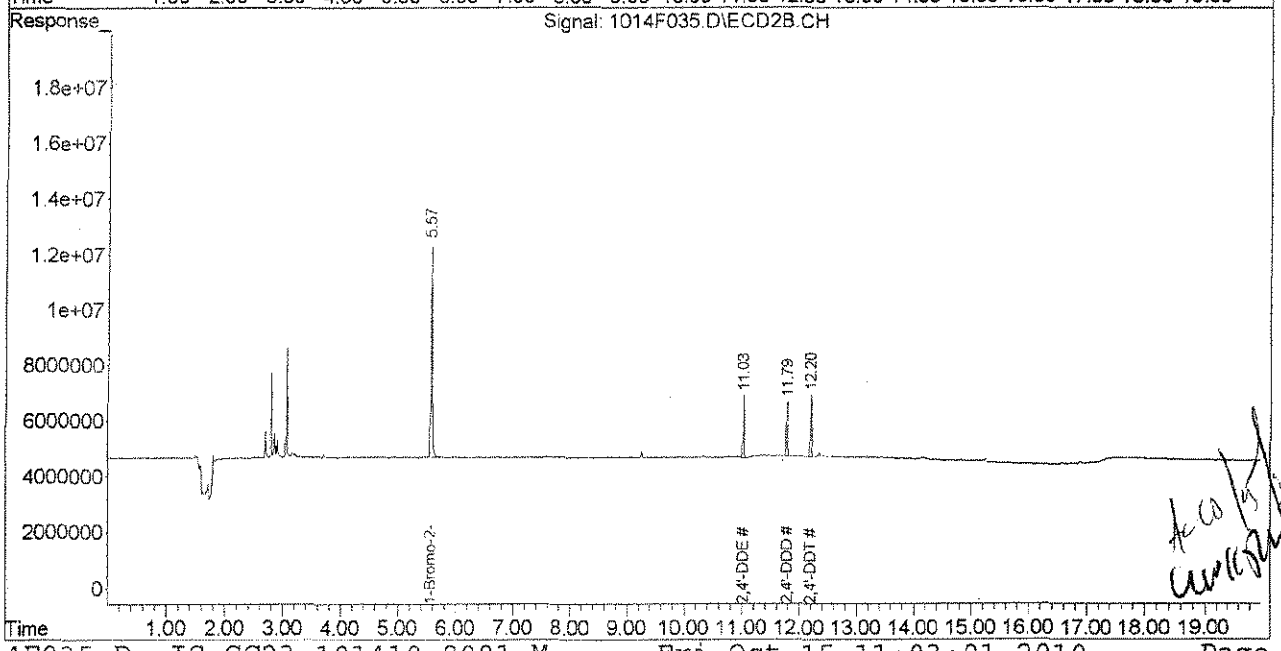
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F035.D\ECD1A.CH Vial: 35
Signal #2 : J:\GC23\DATA\101410\1014F035.D\ECD2B.CH
Acq On : 15 Oct 2010 7:53 am Operator: CCotnam
Sample : 2,4'S @ 20ppb GCPS6-72D Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:52 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

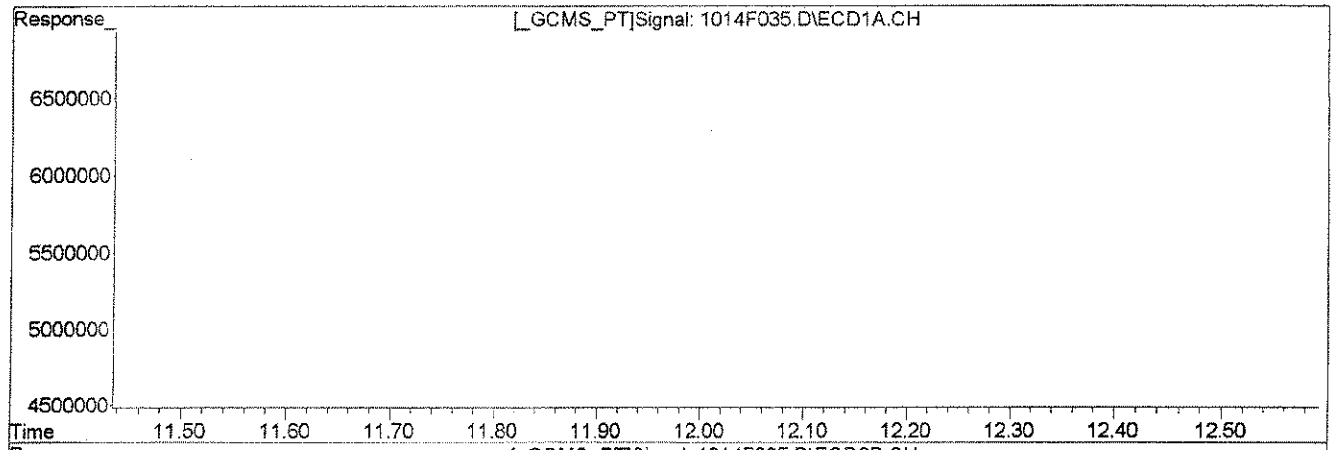


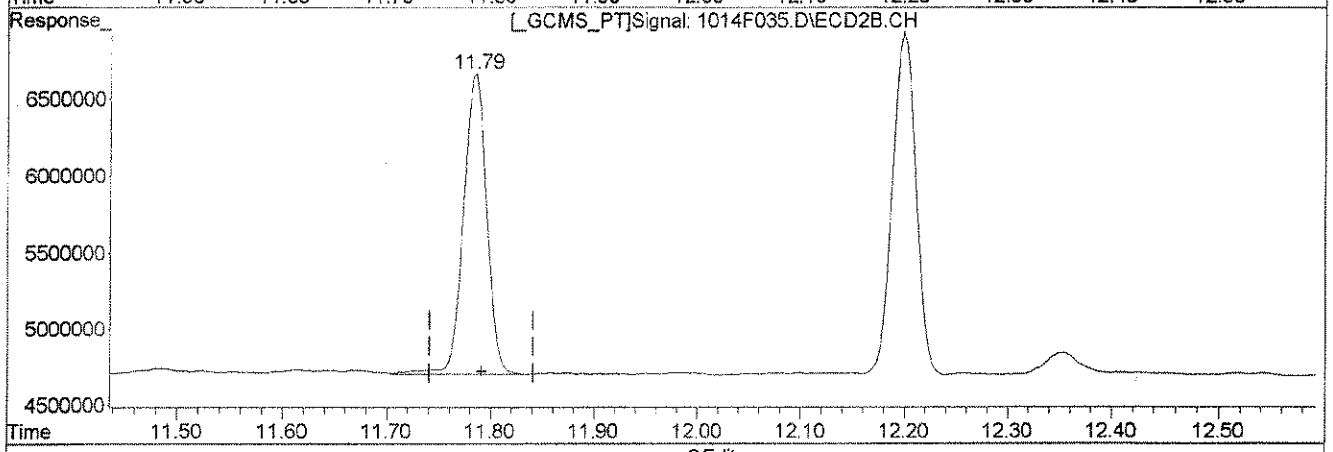


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F035.D\ECD1A.CH Vial: 35
Signal #2 : J:\GC23\DATA\101410\1014F035.D\ECD2B.CH
Acq On : 15 Oct 2010 7:53 am Operator: CCotnam
Sample : 2,4'S @ 20ppb GCPS6-72D Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:57 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:48:49 2010
Response via : Multiple Level Calibration





QEdit

(51) 2,4'-DDD
12.49min 22.088ug/L
response 636566

(51) 2,4'-DDD #2
11.79min 19.225ug/L
response 3055612

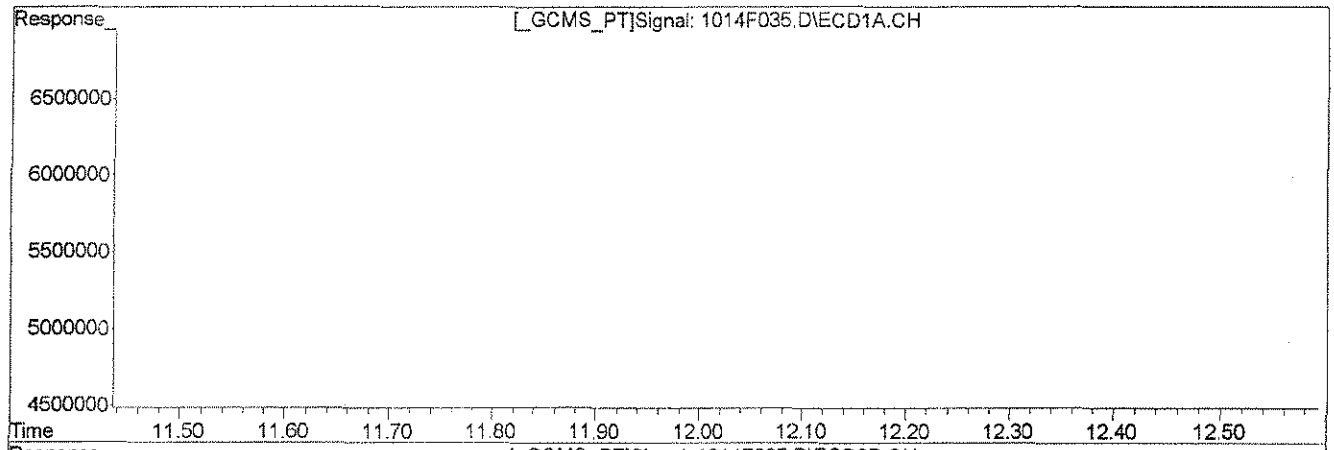
Manual Integration:
Before

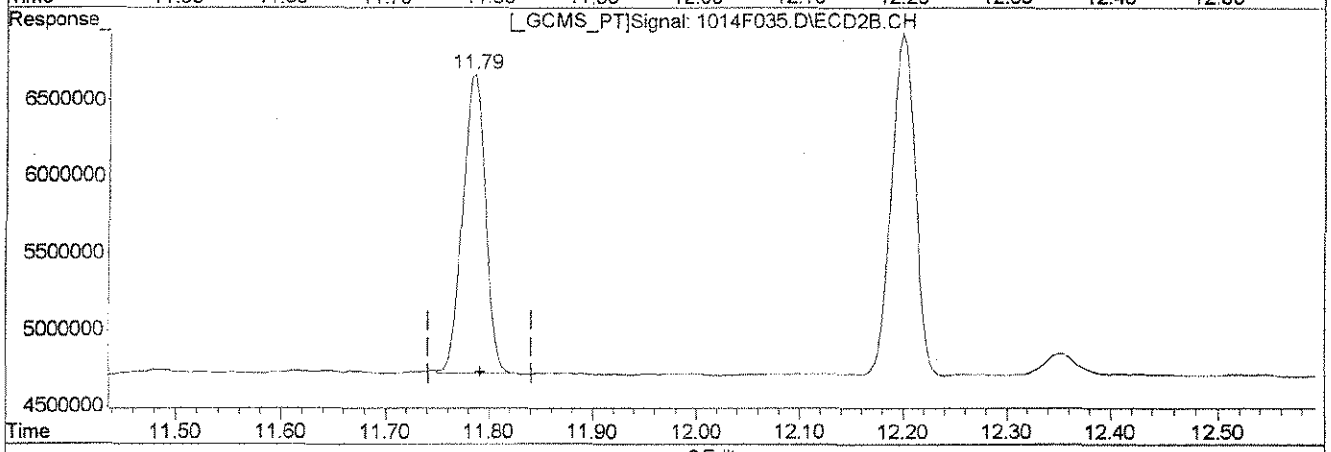
(+) = Expected Retention Time
1014F035.D IS-GC23-101410-8081.M Fri Oct 15 10:51:56 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\101410\1014F035.D\ECD1A.CH Vial: 35
Signal #2 : J:\GC23\DATA\101410\1014F035.D\ECD2B.CH
Acq On : 15 Oct 2010 7:53 am Operator: CCotnam
Sample : 2,4'S @ 20ppb GCPS6-72D Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 9:57 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:48:49 2010
Response via : Multiple Level Calibration





(51) 2,4'-DDD
12.49min 22.088ug/L
response 636566

(51) 2,4'-DDD #2
11.79min 18.654ug/L m
response 2964771

Manual Integration:
After
Baseline/Shoulder
10/15/10

(+) = Expected Retention Time
1014F035.D IS-GC23-101410-8081.M Fri Oct 15 10:52:05 2010

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F036.D\ECD1A.CH Vial: 36
Signal #2 : J:\GC23\DATA\101410\1014F036.D\ECD2B.CH
Acq On : 15 Oct 2010 8:20 am Operator: CCotnam
Sample : 2,4'S @ 50ppb GCPS6-69R Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:57:06 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
49)	1-Bromo-2-nitrob	5.83	5.57	2073424	10494015	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
50)	2,4'-DDE	11.79	11.02	1672145	8104483	53.855	49.896
51)	2,4'-DDD	12.49	11.78	1523081	7221129	55.181	47.261
52)	2,4'-DDT	12.94	12.20	1811180	8833348	59.792	55.811

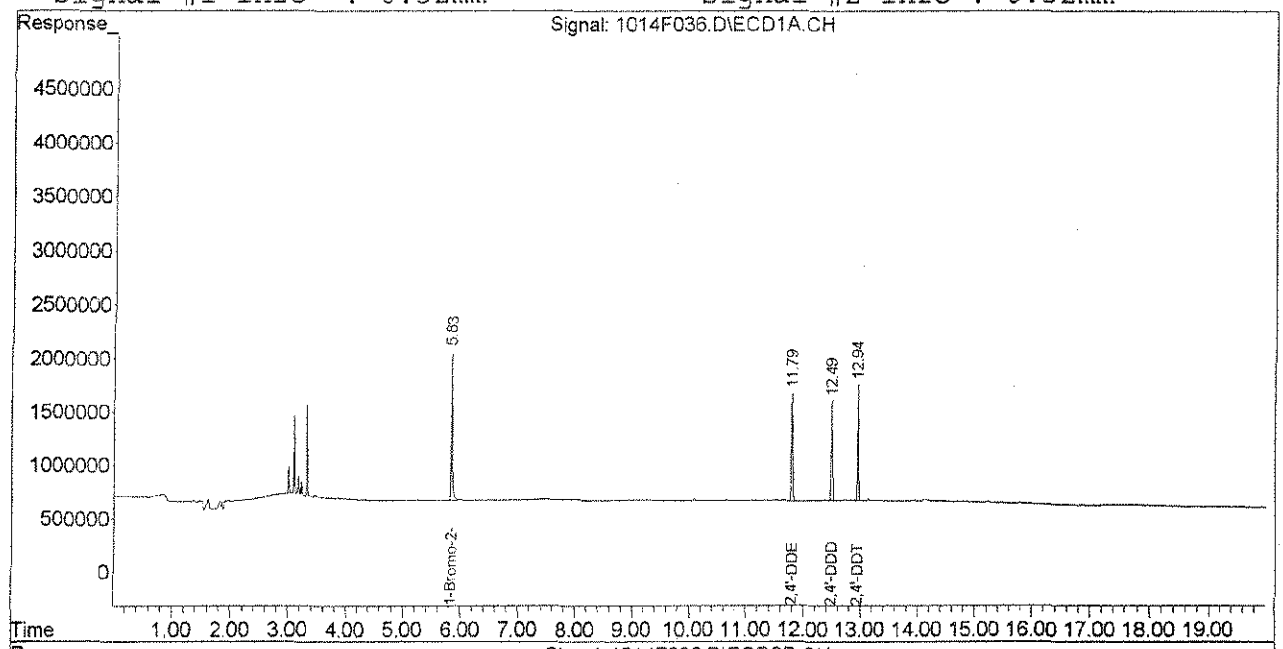
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

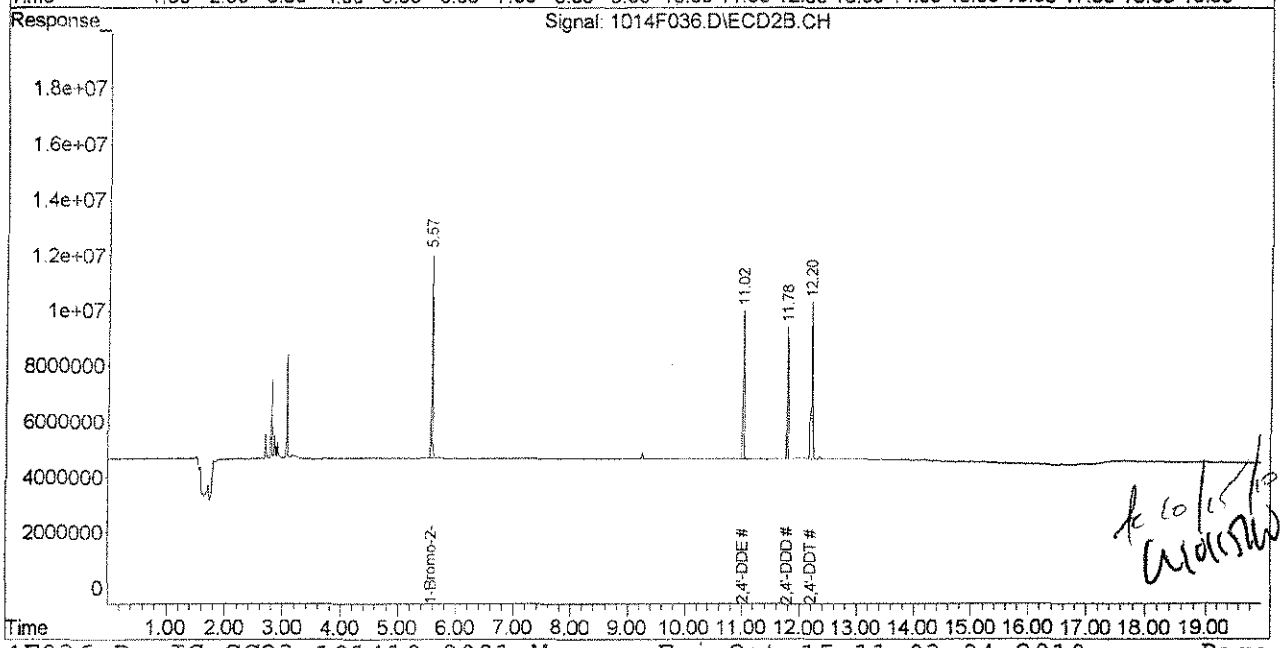
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F036.D\ECD1A.CH Vial: 36
Signal #2 : J:\GC23\DATA\101410\1014F036.D\ECD2B.CH
Acq On : 15 Oct 2010 8:20 am Operator: CCotnam
Sample : 2,4'S @ 50ppb GCPS6-69R Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:52 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F037.D\ECD1A.CH Vial: 37
Signal #2 : J:\GC23\DATA\101410\1014F037.D\ECD2B.CH
Acq On : 15 Oct 2010 8:47 am Operator: CCotnam
Sample : 2,4'S @ 100ppb GCPS6-72E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:57:07 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
49)	1-Bromo-2-nitrob	5.83	5.57	2160351	10847751	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
50)	2,4'-DDE	11.79	11.02	3172210	15691008	98.056	93.453
51)	2,4'-DDD	12.48	11.78	2906393	14083084	101.061	89.165
52)	2,4'-DDT	12.94	12.20	3431750	16725570	108.733	102.230

10/15/10

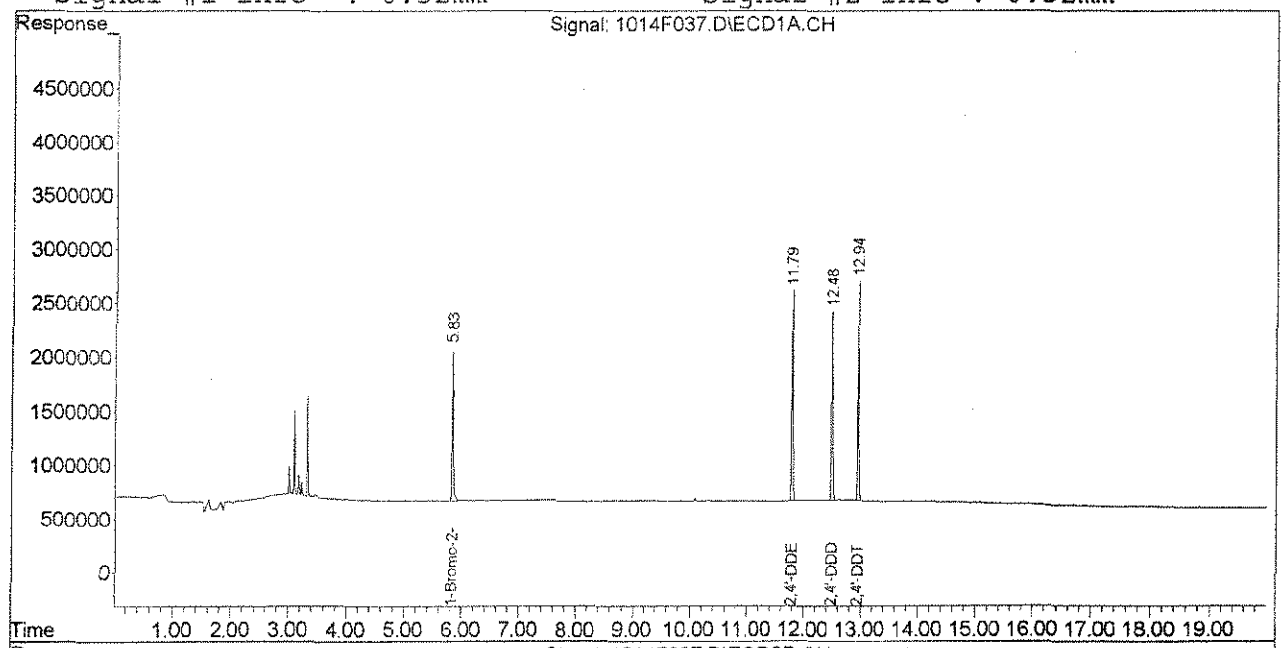
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

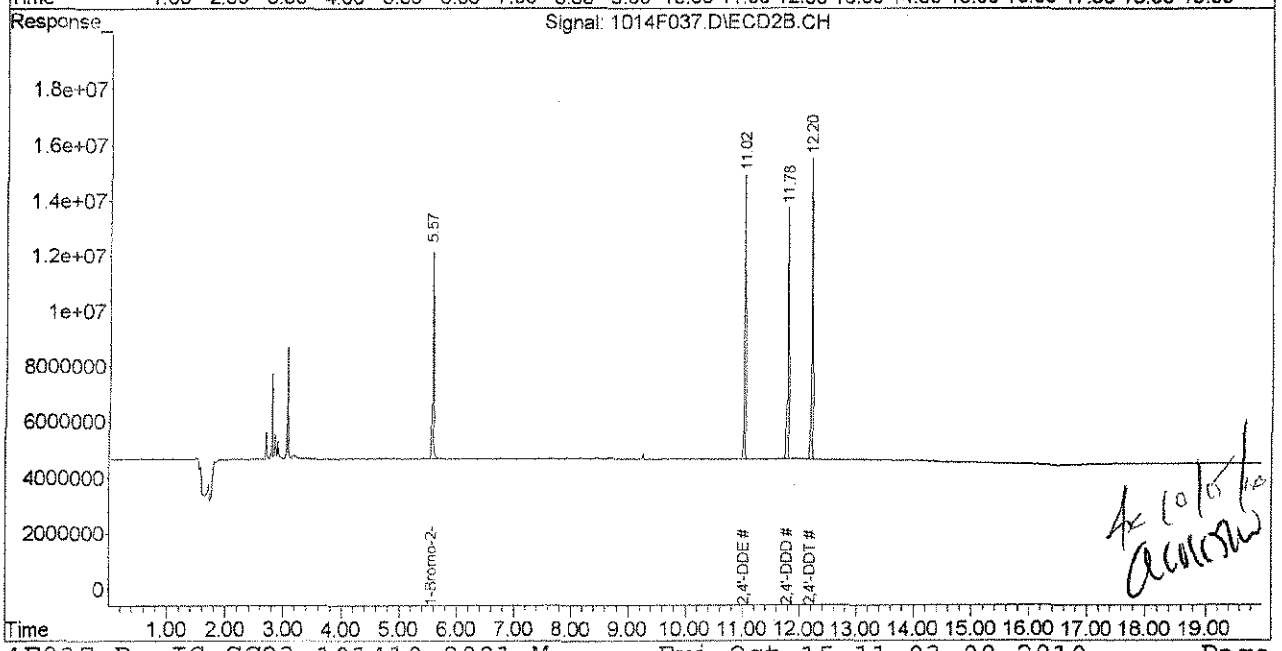
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F037.D\ECD1A.CH Vial: 37
Signal #2 : J:\GC23\DATA\101410\1014F037.D\ECD2B.CH
Acq On : 15 Oct 2010 8:47 am Operator: CCotnam
Sample : 2,4'S @ 100ppb GCPS6-72E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:52 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F038.D\ECD1A.CH Vial: 38
Signal #2 : J:\GC23\DATA\101410\1014F038.D\ECD2B.CH
Acq On : 15 Oct 2010 9:13 am Operator: CCotnam
Sample : 2,4'S @ 200ppb GCPS6-72F Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 09:57:08 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
49)	1-Bromo-2-nitrob	5.83	5.56	2162371	10812361	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
50)	2,4'-DDE	11.79	11.02	6229706	31115701	192.387	185.926
51)	2,4'-DDD	12.49	11.78	5635420	27950110	195.771	177.541
52)	2,4'-DDT	12.94	12.20	6728669	33555239	212.994	205.768

10/15/10

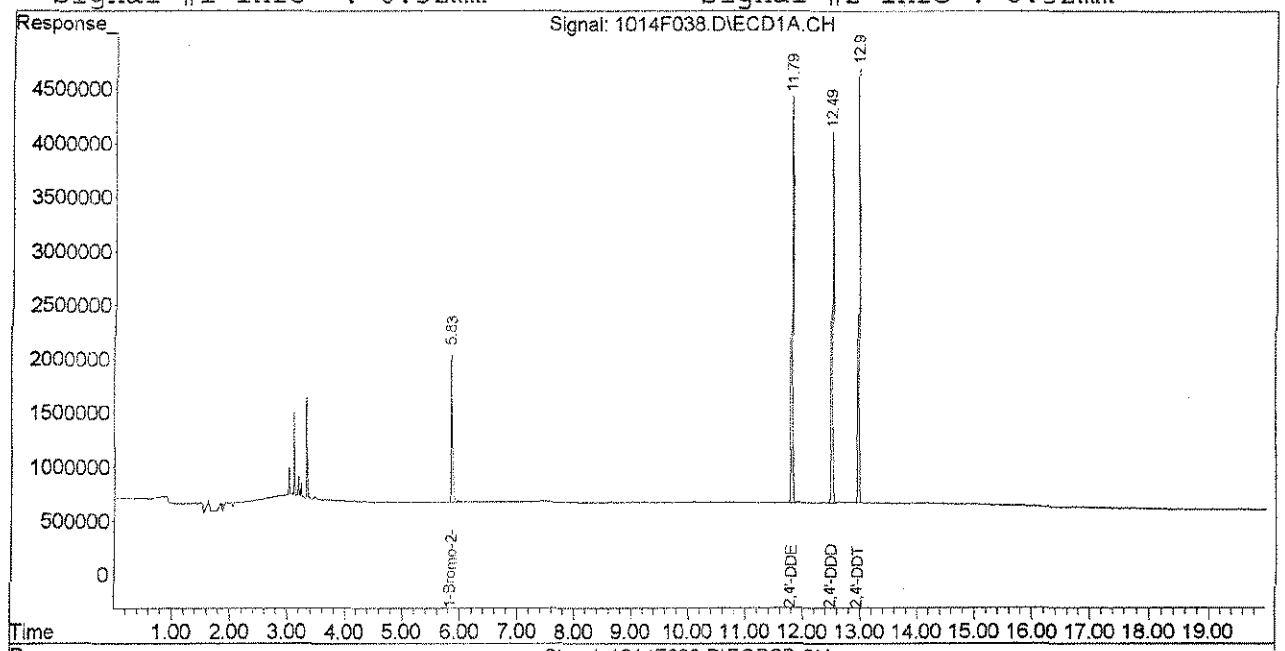
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

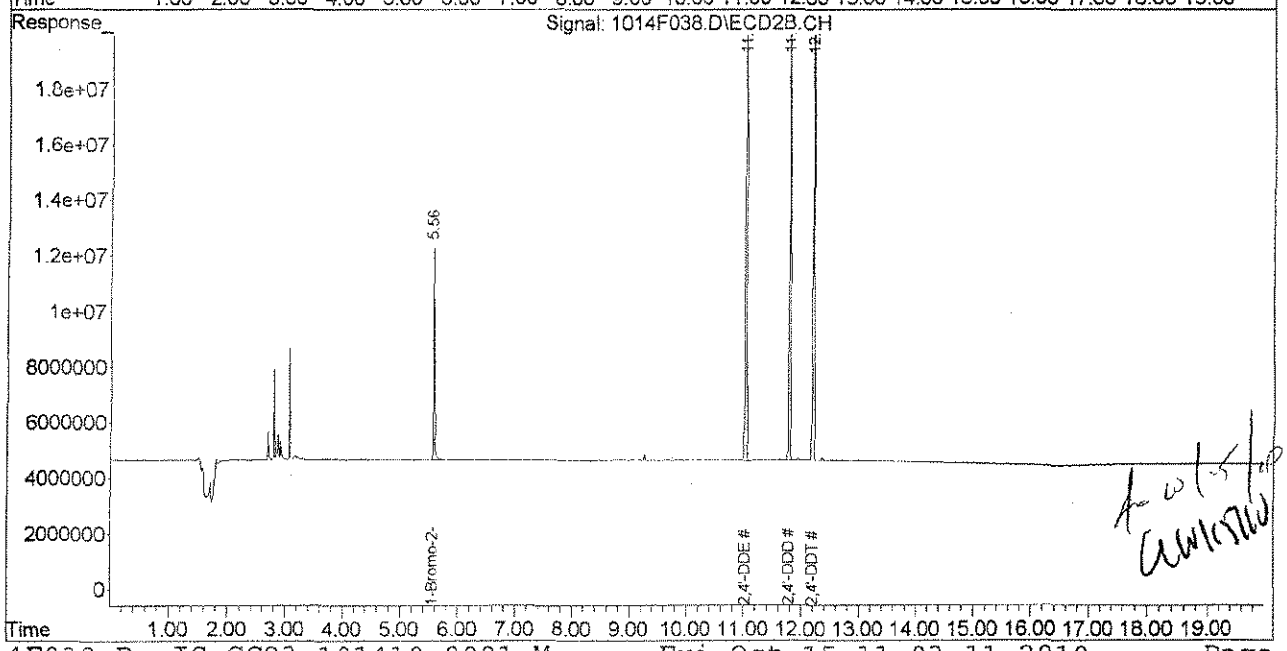
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F038.D\ECD1A.CH Vial: 38
Signal #2 : J:\GC23\DATA\101410\1014F038.D\ECD2B.CH
Acq On : 15 Oct 2010 9:13 am Operator: CCotnam
Sample : 2,4'S @ 200ppb GCPS6-72F Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:53 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 09:56:11 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F039.D\ECD1A.CH Vial: 39
Signal #2 : J:\GC23\DATA\101410\1014F039.D\ECD2B.CH
Acq On : 15 Oct 2010 9:40 am Operator: CCotnam
Sample : 2,4'S @ 40ppb GCPS6-73B Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:54:43 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
49)	1-Bromo-2-nitrob	5.84	5.57	2032242	10217273	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
50)	2,4'-DDE	11.79	11.03	1319850	6463296	40.778	40.834
51)	2,4'-DDD	12.49	11.79	1203522	5715048	40.214	41.912
52)	2,4'-DDT	12.95	12.20	1438951	6646315	40.796	41.114

10/15/10
CCotnam

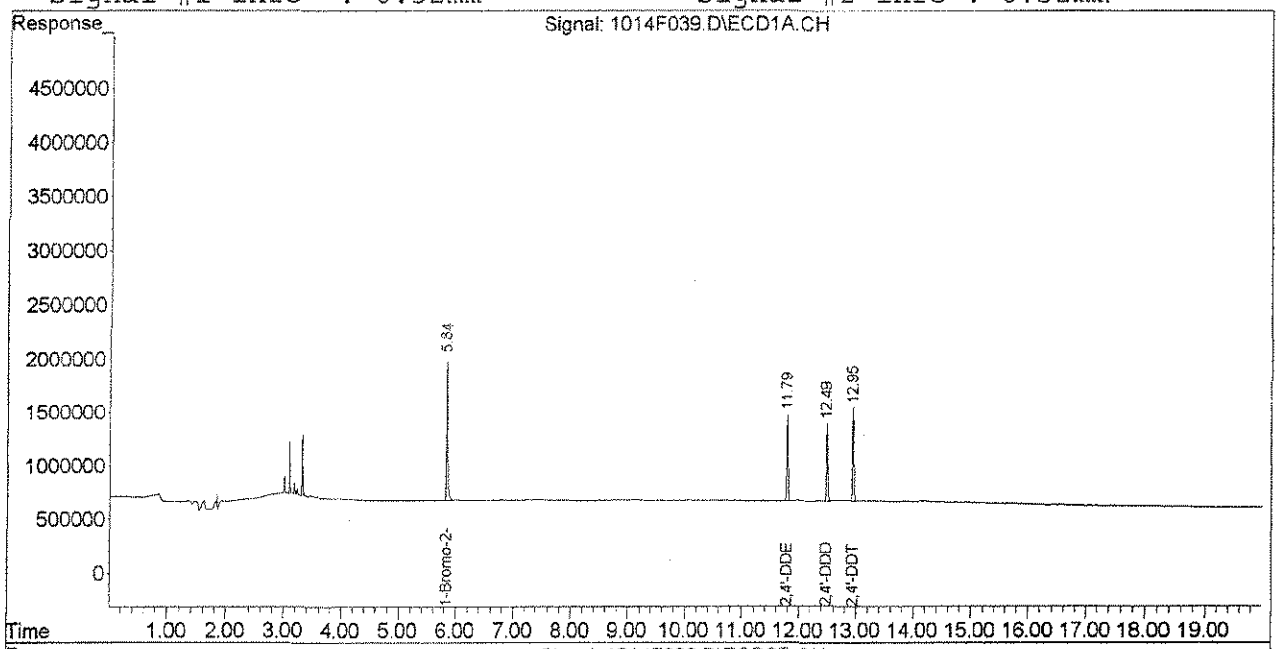
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

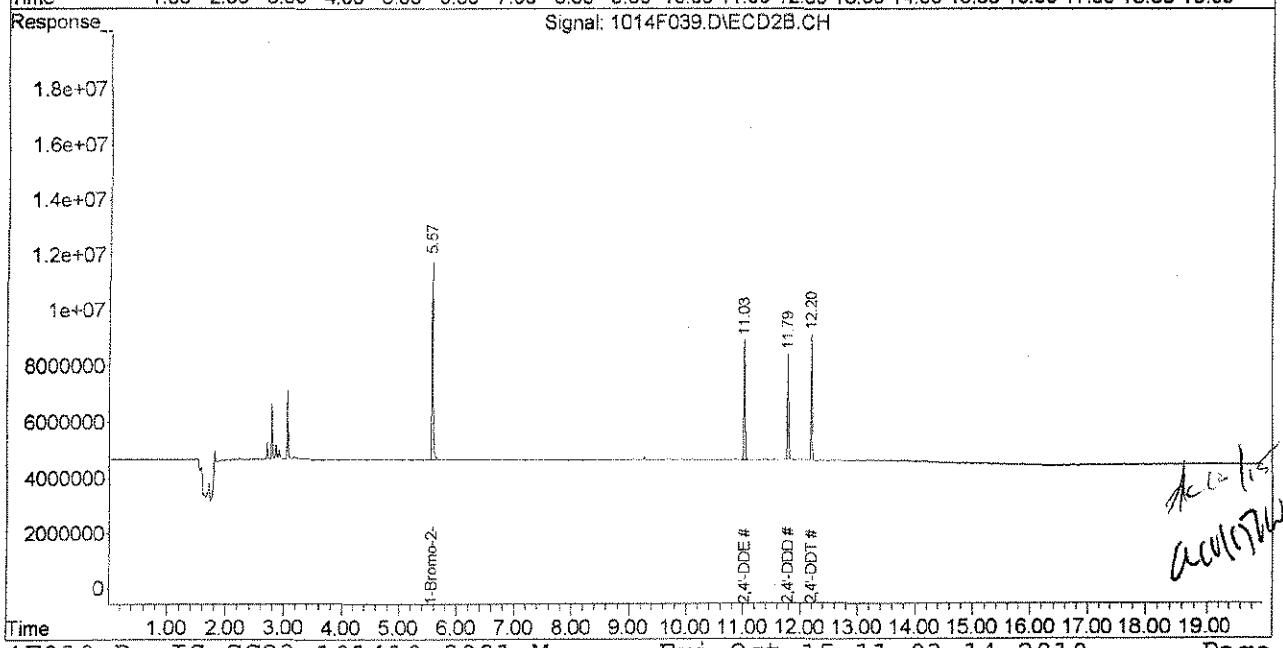
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\101410\1014F039.D\ECD1A.CH Vial: 39
Signal #2 : J:\GC23\DATA\101410\1014F039.D\ECD2B.CH
Acq On : 15 Oct 2010 9:40 am Operator: CCotnam
Sample : 2,4'S @ 40ppb GCPS6-73B Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Oct 15 10:54 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Fri Oct 15 10:54:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/25/2010

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081A

Calibration Date: 10/14/2010
Calibration ID: CAL9961
Analysis Lot: KWG1012938
Units: ug/L

File ID: J:\GC23\DATA\112510\1125F004.D
J:\GC23\DATA\112510\1125F005.D
J:\GC23\DATA\112510\1125F006.D

Column ID: DB XLB

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Tetrachloro-m-xylene	50	51		1.09	1.11	2		NA	± 20 %	AverageRF
Decachlorobiphenyl	50	64		0.879	1.13	28	*	NA	± 20 %	AverageRF
alpha-BHC	50	48		1.57	1.50	-5		NA	± 20 %	AverageRF
beta-BHC	50	49		0.716	0.701	-2		NA	± 20 %	AverageRF
gamma-BHC (Lindane)	50	48		1.49	1.42	-4		NA	± 20 %	AverageRF
delta-BHC	50	45		1.46	1.31	-11		NA	± 20 %	AverageRF
Heptachlor	50	51		1.47	1.51	3		NA	± 20 %	AverageRF
Aldrin	50	47		1.40	1.31	-7		NA	± 20 %	AverageRF
Heptachlor Epoxide	50	49		1.34	1.32	-1		NA	± 20 %	AverageRF
Endosulfan I	50	48		1.22	1.18	-3		NA	± 20 %	AverageRF
Dieldrin	50	47		1.34	1.25	-6		NA	± 20 %	AverageRF
4,4'-DDE	50	47		1.22	1.16	-5		NA	± 20 %	AverageRF
Endrin	50	47		1.18	1.11	-6		NA	± 20 %	AverageRF
Endosulfan II	50	47		1.20	1.12	-6		NA	± 20 %	AverageRF
4,4'-DDD	50	45		1.07	0.974	-9		NA	± 20 %	AverageRF
Endrin Aldehyde	50	49		0.980	0.956	-2		NA	± 20 %	AverageRF
Endosulfan Sulfate	50	49		1.11	1.09	-2		NA	± 20 %	AverageRF
4,4'-DDT	50	44		1.11	0.972	-12		NA	± 20 %	AverageRF
Toxaphene {1}	1000	1000		0.00692	0.00725	5		NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100		0.0162	0.0172	6		NA	± 100 %	AverageRF
Toxaphene {3}	1000	1100		0.0124	0.0130	5		NA	± 100 %	AverageRF
Toxaphene {4}	1000	1000		0.0181	0.0187	4		NA	± 100 %	AverageRF
Toxaphene {5}	1000	970		0.0148	0.0144	-3		NA	± 100 %	AverageRF
Toxaphene {6}	1000	1100		0.0235	0.0255	8		NA	± 100 %	AverageRF
Toxaphene	1000	1000		NA	NA	NA		4	± 20 %	NA
Chlordane {1}	500	560		0.0500	0.0565	13		NA	± 100 %	AverageRF
Chlordane {2}	500	560		0.0671	0.0756	13		NA	± 100 %	AverageRF
Chlordane {3}	500	570		0.0454	0.0517	14		NA	± 100 %	AverageRF
Chlordane {4}	500	570		0.147	0.167	14		NA	± 100 %	AverageRF
Chlordane {5}	500	560		0.115	0.130	13		NA	± 100 %	AverageRF
Chlordane {6}	500	580		0.0780	0.0902	16		NA	± 100 %	AverageRF
Chlordane	500	570		NA	NA	NA		14	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/25/2010

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081A

Calibration Date: 10/14/2010
Calibration ID: CAL9961
Analysis Lot: KWG1012938
Units: ug/L

File ID: J:\GC23\DATA\112510\1125F004.D\1125F004C.D
J:\GC23\DATA\112510\1125F005.D\1125F005C.D
J:\GC23\DATA\112510\1125F006.D\1125F006C.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Tetrachloro-m-xylene	50	48		1.02	0.981	-4	NA	± 20 %	AverageRF
Decachlorobiphenyl	50	49		1.17	1.13	-3	NA	± 20 %	AverageRF
alpha-BHC	50	48		1.47	1.42	-3	NA	± 20 %	AverageRF
beta-BHC	50	47		0.686	0.650	-5	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	50	48		1.42	1.36	-4	NA	± 20 %	AverageRF
delta-BHC	50	46		1.42	1.31	-7	NA	± 20 %	AverageRF
Heptachlor	50	48		1.38	1.32	-4	NA	± 20 %	AverageRF
Aldrin	50	48		1.27	1.23	-4	NA	± 20 %	AverageRF
Heptachlor Epoxide	50	48		1.24	1.20	-4	NA	± 20 %	AverageRF
Endosulfan I	50	47		1.16	1.09	-6	NA	± 20 %	AverageRF
Dieldrin	50	48		1.24	1.19	-4	NA	± 20 %	AverageRF
4,4'-DDE	50	48		1.16	1.11	-4	NA	± 20 %	AverageRF
Endrin	50	48		1.12	1.09	-3	NA	± 20 %	AverageRF
Endosulfan II	50	47		1.14	1.08	-5	NA	± 20 %	AverageRF
4,4'-DDD	50	48		0.992	0.951	-4	NA	± 20 %	AverageRF
Endrin Aldehyde	50	49		0.961	0.948	-1	NA	± 20 %	AverageRF
Endosulfan Sulfate	50	48		1.10	1.05	-4	NA	± 20 %	AverageRF
4,4'-DDT	50	49		0.979	0.963	-2	NA	± 20 %	AverageRF
Toxaphene {1}	1000	1000		0.0180	0.0188	5	NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100		0.0128	0.0142	11	NA	± 100 %	AverageRF
Toxaphene {3}	1000	950		0.00669	0.00636	-5	NA	± 100 %	AverageRF
Toxaphene {4}	1000	1000		0.0112	0.0115	3	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1100		0.00724	0.00800	11	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1200		0.0173	0.0203	17	NA	± 100 %	AverageRF
Toxaphene	1000	1100		NA	NA	NA	7	± 20 %	NA
Chlordane {1}	500	520		0.0440	0.0456	4	NA	± 100 %	AverageRF
Chlordane {2}	500	540		0.0577	0.0625	8	NA	± 100 %	AverageRF
Chlordane {3}	500	540		0.122	0.131	7	NA	± 100 %	AverageRF
Chlordane {4}	500	510		0.0706	0.0720	2	NA	± 100 %	AverageRF
Chlordane {5}	500	550		0.0355	0.0390	10	NA	± 100 %	AverageRF
Chlordane {6}	500	530		0.101	0.107	5	NA	± 100 %	AverageRF
Chlordane	500	530		NA	NA	NA	6	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Exception Report

Data File:	J:\GC23\DATA\112510\1125F004.D	**Date Acquired:**	11/25/2010 16:01
Lab ID:	KWG1012938-3	**Date Quantitated:**	11/26/2010 11:12
RunType:	CCV	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	1049536.916	4198147.666	NL
	1-Bromo-2-nitrobenzene {3}	0	1071424.583	4285698.333	
	1-Bromo-2-nitrobenzene {4}	0	1072774.083	4291096.333	
	1-Bromo-2-nitrobenzene {5}	0	1069363	4277452	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File: J:\GC23\DATA\112510\1125F004.D\1125F004C.D
Lab ID: KWG1012938-3
RunType: CCV
Matrix: MISC

Date Acquired: 11/25/2010 16:01
Date Quantitated: 11/26/2010 11:12
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	5304341.916	21217367.66	NR
	1-Bromo-2-nitrobenzene {3}	0	5406153.916	21624615.66	
	1-Bromo-2-nitrobenzene {4}	0	5435335.916	21741343.66	
	1-Bromo-2-nitrobenzene {5}	0	5394253.5	21577014	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	MISC
Prod Code:	8081A PEST_OC_L	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**		**Report Group:**	
Analysis Method:	8081A	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:		**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F004.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F004.D\1125F004c.d			**Vial:**	10
Acqu Date:	11/25/2010 16:01	**Quant Date:**	11/26/2010 11:12	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-3				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76 -0.08	5.51 -0.06	1543236	11110005	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.04	7.06	1710392	10903796	50.98	48.22			NA
				%Recovery =		NA	NA	Limits =	70-130	
1	Decachlorobiphenyl	16.49	15.59	1737120	12592200	64.01	48.60			NA
				%Recovery =		NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC	8.72	8.08	2309442	15803762	47.59	48.29			
1	Hexachlorobenzene	8.85	7.91	2219900	15572453	56.68	45.99			
1	beta-BHC	9.74	9.09	1082306	7226687	48.98	47.39			
1	gamma-BHC (Lindane)	9.26	8.68	2194915	15133599	47.88	47.87			
1	delta-BHC	10.14	9.53	2018626	14579023	44.69	46.28			
1	Heptachlor	10.21	9.24	2329601	14712262	51.39	47.95			
1	Aldrin	10.72	9.72	2018967	13654112	46.67	48.23			
1	Isodrin	11.24	10.37	1736019	11482029	48.57	48.22			
1	Heptachlor Epoxide	11.42	10.58	2041763	13298054	49.34	48.14			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F004.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F004.D\1125F004c.d			**Vial:**	10
Acqu Date:	11/25/2010 16:01	**Quant Date:**	11/26/2010 11:12	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-3				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:**

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane	11.91	10.93	2007770	13390305	49.32	47.53			
1	Endosulfan I	12.04	11.16	1815664	12129228	48.26	46.89			
1	alpha-Chlordane	11.98	11.08	2013326	13009909	49.85	47.84			
1	Dieldrin	12.43	11.59	1932489	13260196	46.89	47.94			
1	4,4'-DDE	12.23	11.41	1782784	12379538	47.46	48.13			
1	Endrin	12.77	12.06	1711804	12079041m	46.96	48.47			
1	Endosulfan II	13.18	12.46	1731913	12036023	46.90	47.37			
1	4,4'-DDD	13.02	12.27	1503715	10564478	45.43	47.94			
1	Endrin Aldehyde	13.35	12.80	1475404	10530871	48.77	49.30			
1	Endosulfan Sulfate	13.77	13.10	1674414	11719647	48.98	48.02			
1	4,4'-DDT	13.47	12.68	1499864	10699939	43.80	49.20			
1	Endrin Ketone	14.38	13.98	1970796	13807854	47.97	48.77			
1	Methoxychlor	14.13	13.68	889607	5763651	47.48	47.03			
	Toxaphene			0	0	0.0000	0.0000			NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000			
2	Toxaphene {2}			0d	0d	0.0000	0.0000			
2	Toxaphene {3}			0d	0d	0.0000	0.0000			
2	Toxaphene {4}			0d	0d	0.0000	0.0000			
2	Toxaphene {5}			0d	0d	0.0000	0.0000			
2	Toxaphene {6}			0d	0d	0.0000	0.0000			
	Chlordane			0	0	0.0000	0.0000			NR
3	Chlordane {1}			0d	0d	0.0000	0.0000			
3	Chlordane {2}			0d	0d	0.0000	0.0000			
3	Chlordane {3}			0d	0d	0.0000	0.0000			
3	Chlordane {4}			0d	0d	0.0000	0.0000			
3	Chlordane {5}			0d	0d	0.0000	0.0000			
3	Chlordane {6}			0d	0d	0.0000	0.0000			
5	2,4'-DDE			0d	0d	0.0000	0.0000			
5	2,4'-DDD			0d	0d	0.0000	0.0000			
5	2,4'-DDT			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F004.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\112510\1125F004.D\ECD2B.CH
Acq On : 25 Nov 2010 4:01 pm Operator: CCotnam
Sample : 8081 @ 50ppb | GCPS6-69M | KWG1012938-3 Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:24 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.76	5.51	1543236	11110005	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.04	7.06	1710392	10903796	50.982	48.215
25)	s	Decachlorobiphen	16.49f	15.59	1737120	12592200	64.006	48.600
		Target Compounds						
3)		alpha-BHC	8.72	8.08	2309442	15803762	47.587	48.290
4)		Hexachlorobenzen	8.85	7.91	2219900	15572453	56.677	45.989
5)		beta-BHC	9.74	9.09	1082306	7226687	48.978	47.390
6)		gamma-BHC (Linda	9.26	8.68	2194915	15133599	47.879	47.867
7)		delta-BHC	10.14	9.53	2018626	14579023	44.694	46.277
8)		Heptachlor	10.21	9.24	2329601	14712262	51.387	47.950
9)		Aldrin	10.72	9.72	2018967	13654112	46.665	48.230
10)		Isodrin	11.24	10.37	1736019	11482029	48.574	48.224
11)		Heptachlor Epoxi	11.42	10.58	2041763	13298054	49.339	48.143
12)		gamma-Chlordane	11.91	10.93	2007770	13390305	49.323	47.530
13)		Endosulfan I	12.04	11.16	1815664	12129228	48.263	46.889
14)		alpha-Chlordane	11.98	11.08	2013326	13009909	49.848	47.843
15)		Dieldrin	12.43	11.59	1932489	13260196	46.890	47.939
16)		4,4'-DDE	12.23	11.41	1782784	12379538	47.458	48.128
17)		Endrin	12.77	12.06	1711804	12079041	46.956	48.473m
18)		Endosulfan II	13.18	12.46	1731913	12036023	46.902	47.373
19)		4,4'-DDD	13.02	12.27	1503715	10564478	45.426	47.938
20)		Endrin Aldehyde	13.35	12.80	1475404	10530871	48.771	49.295
21)		Endosulfan Sulfa	13.77	13.10	1674414	11719647	48.982	48.023
22)		4,4'-DDT	13.47	12.68	1499864	10699939	43.795	49.201
23)		Endrin Ketone	14.38	13.98	1970796	13807854	47.967	48.765
24)		Methoxychlor	14.13	13.68	889607	5763651	47.476	47.033

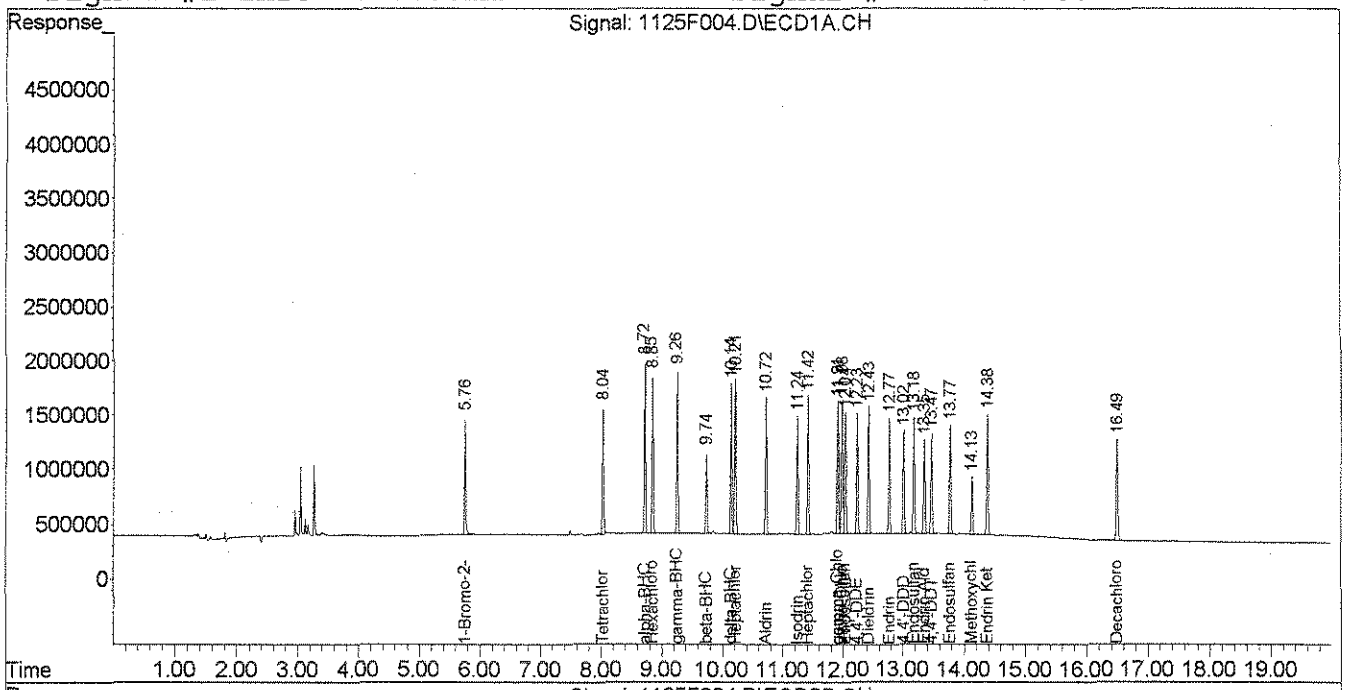
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

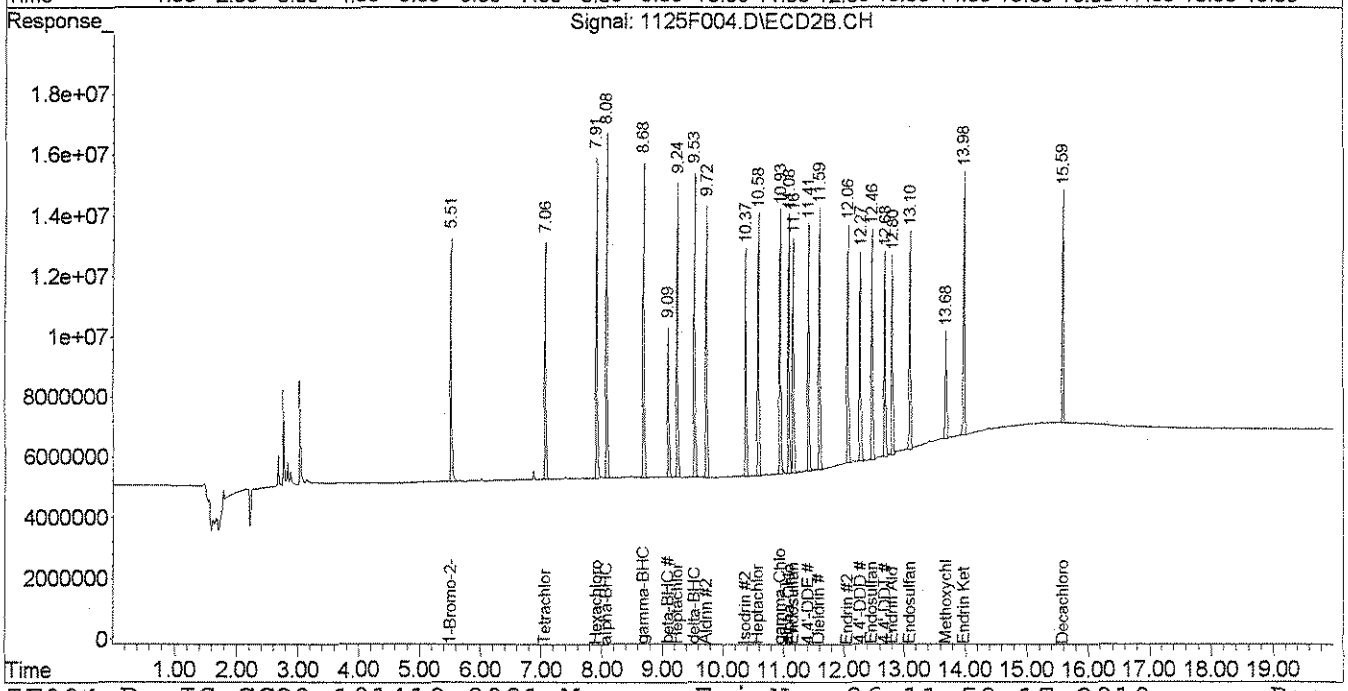
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F004.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\112510\1125F004.D\ECD2B.CH
Acq On : 25 Nov 2010 4:01 pm Operator: CCotnam
Sample : 8081 @ 50ppb | GCPS6-69M | KWG1012938-3 Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:12 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

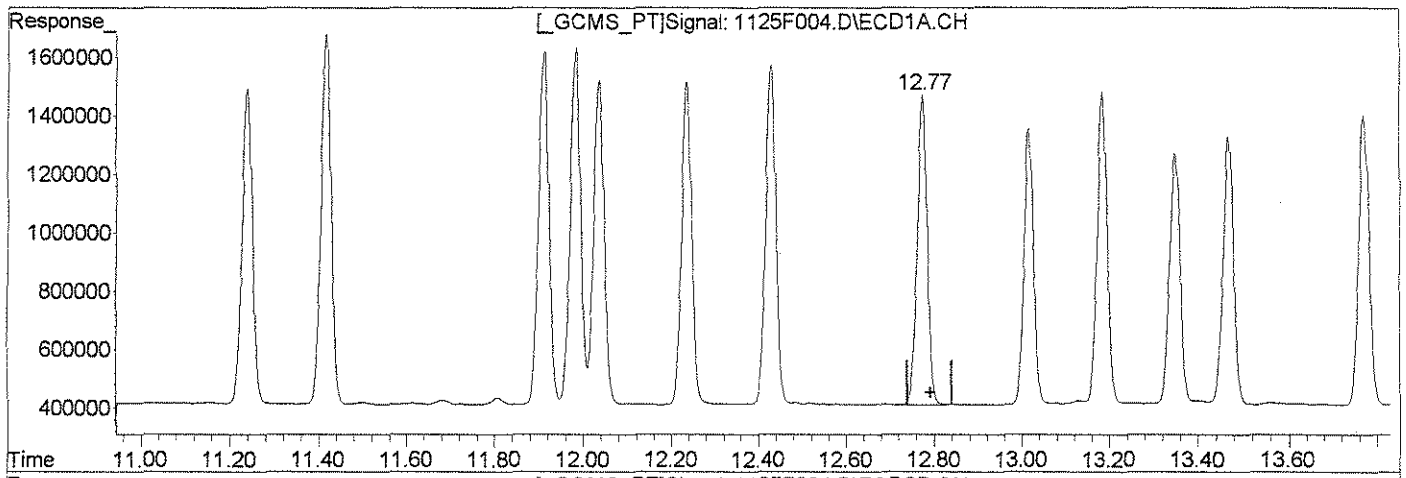


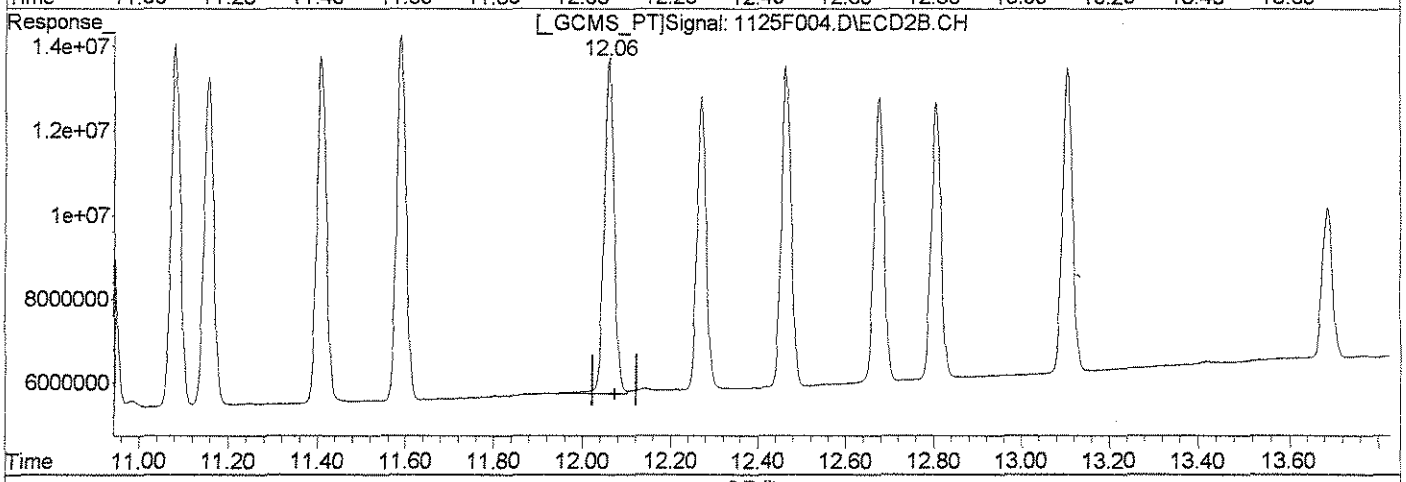


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F004.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\112510\1125F004.D\ECD2B.CH
Acq On : 25 Nov 2010 4:01 pm Operator: CCotnam
Sample : 8081 @ 50ppb | GCPS6-69M | KWG1012938-3 Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(17) Endrin

12.77min 46.956ug/L

response 1711804

(17) Endrin #2

12.06min 50.248ug/L

response 12521339

Manual Integration:

Before

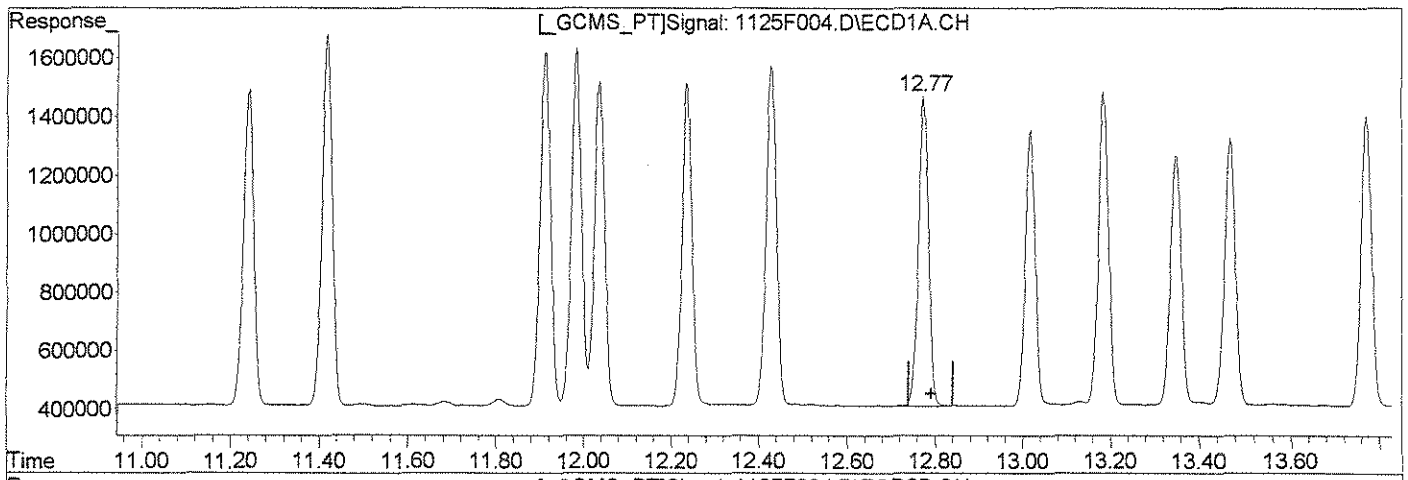
(+) = Expected Retention Time

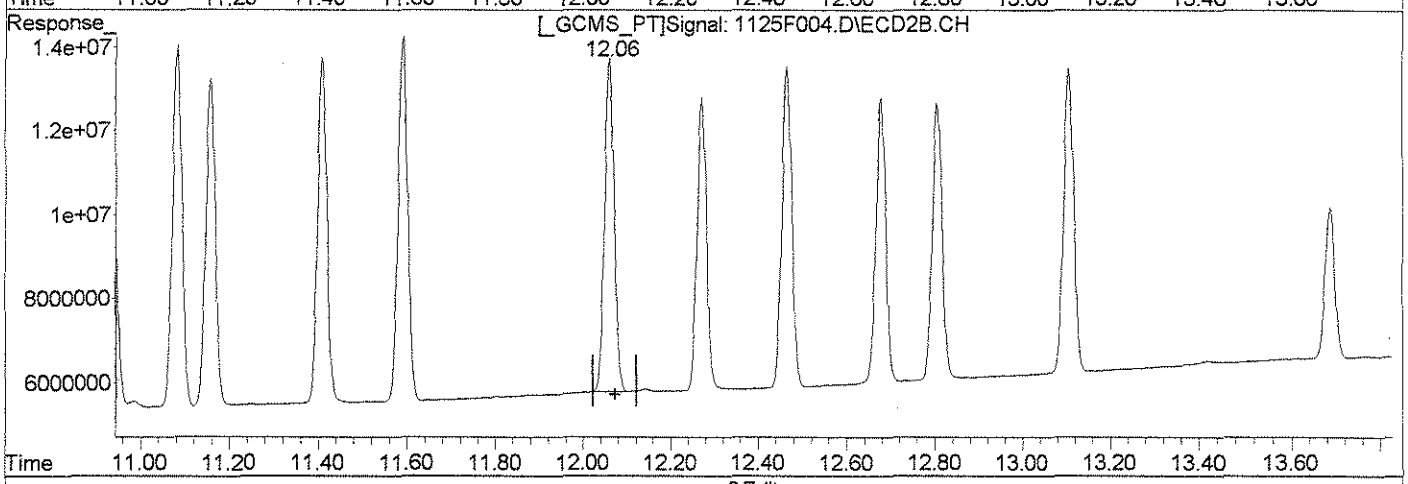
1125F004.D IS-GC23-101410-8081.M Fri Nov 26 11:12:25 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F004.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\112510\1125F004.D\ECD2B.CH
Acq On : 25 Nov 2010 4:01 pm Operator: CCotnam
Sample : 8081 @ 50ppb | GCPS6-69M | KWG1012938-3 Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(17) Endrin
12.77min 46.956ug/L
response 1711804

(17) Endrin #2
12.06min 48.473ug/L m
response 12079041

Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F004.D IS-GC23-101410-8081.M Fri Nov 26 11:12:34 2010

Exception Report

Data File:	J:\GC23\DATA\112510\1125F005.D	**Date Acquired:**	11/25/2010 16:28
Lab ID:	KWG1012938-3	**Date Quantitated:**	11/26/2010 11:13
RunType:	CCV	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	1039946.666	4159786.666	NA
	1-Bromo-2-nitrobenzene {3}	0	1071424.583	4285698.333	
	1-Bromo-2-nitrobenzene {4}	0	1072774.083	4291096.333	
	1-Bromo-2-nitrobenzene {5}	0	1069363	4277452	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F005.D\1125F005C.D	**Date Acquired:**	11/25/2010 16:28
Lab ID:	KWG1012938-3	**Date Quantitated:**	11/26/2010 11:13
RunType:	CCV	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	5313465.58	21253862.33	NL
	1-Bromo-2-nitrobenzene {3}	0	5406153.91	21624615.66	
	1-Bromo-2-nitrobenzene {4}	0	5435335.91	21741343.66	
	1-Bromo-2-nitrobenzene {5}	0	5394253.5	21577014	

Primary Review: 11/29/10

Secondary Review: MMay

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	MISC
Prod Code:	8081A PEST_OC_L	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**		**Report Group:**	
Analysis Method:	8081A	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:		**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F005.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F005.D\1125F005c.d			**Vial:**	11
Acqu Date:	11/25/2010 16:28	**Quant Date:**	11/26/2010 11:13	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-3				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene			0d	0d	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76 -0.07	5.51 -0.05	1550926	11276409	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	0.00		0d	0d		0.0000			NR
				%Recovery =		NA	NA	Limits =	70-130	
1	Decachlorobiphenyl	0.00		0d	0d		0.0000			NR
				%Recovery =		NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000			NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000			
1	beta-BHC			0d	0d	0.0000	0.0000			NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000			NR
1	delta-BHC			0d	0d	0.0000	0.0000			NR
1	Heptachlor			0d	0d	0.0000	0.0000			NR
1	Aldrin			0d	0d	0.0000	0.0000			NR
1	Isodrin			0d	0d	0.0000	0.0000			
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000			NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F005.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F005.D\1125F005c.d			**Vial:**	11
Acqu Date:	11/25/2010 16:28	**Quant Date:**	11/26/2010 11:13	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-3				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:**

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000			NR
1	Endosulfan I			0d	0d	0.0000	0.0000			NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000			NR
1	Dieldrin			0d	0d	0.0000	0.0000			NR
1	4,4'-DDE			0d	0d	0.0000	0.0000			NR
1	Endrin			0d	0d	0.0000	0.0000			NR
1	Endosulfan II			0d	0d	0.0000	0.0000			NR
1	4,4'-DDD			0d	0d	0.0000	0.0000			NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000			NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000			NR
1	4,4'-DDT			0d	0d	0.0000	0.0000			NR
1	Endrin Ketone			0d	0d	0.0000	0.0000			NR
1	Methoxychlor			0d	0d	0.0000	0.0000			NR
	Toxaphene			0	0	1,041	1,068			
2	Toxaphene {1}	12.55	12.30	224993	4243719	1,048	1,047			
2	Toxaphene {2}	12.83	12.38	533501	3194137	1,061	1,109			
2	Toxaphene {3}	13.50	12.57	403996	1434490	1,050	950.07			
2	Toxaphene {4}	13.74	12.81	580426m	2595879	1,036	1,026			
2	Toxaphene {5}	14.25	13.02	445704m	1804941	968.25	1,105			
2	Toxaphene {6}	14.43	13.50	789787	4571778	1,084	1,169			
	Chlordane			0	0	0.0000	0.0000			NR
3	Chlordane {1}			0d	0d	0.0000	0.0000			
3	Chlordane {2}			0d	0d	0.0000	0.0000			
3	Chlordane {3}			0d	0d	0.0000	0.0000			
3	Chlordane {4}			0d	0d	0.0000	0.0000			
3	Chlordane {5}			0d	0d	0.0000	0.0000			
3	Chlordane {6}			0d	0d	0.0000	0.0000			
5	2,4'-DDE			0d	0d	0.0000	0.0000			
5	2,4'-DDD			0d	0d	0.0000	0.0000			
5	2,4'-DDT			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F005.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F005.D\ECD2B.CH
Acq On : 25 Nov 2010 4:28 pm Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-690 | KWG1012938-3 Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:25 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
26)	1-Bromo-2-nitrob	5.76	5.51	1550926	11276409	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
27)	Toxaphene	12.55	12.30	224993	4243719	1047.945	1047.195
28)	Toxaphene {2}	12.83	12.38	533501	3194137	1060.530	1108.827
29)	Toxaphene {3}	13.50	12.57	403996	1434490	1050.330	950.071
30)	Toxaphene {4}	13.74	12.81	580426	2595879	1035.811m	1026.397
31)	Toxaphene {5}	14.25	13.02	445704	1804941	968.245m	1105.027
32)	Toxaphene {6}	14.43	13.50	789787	4571778	1084.072	1169.358

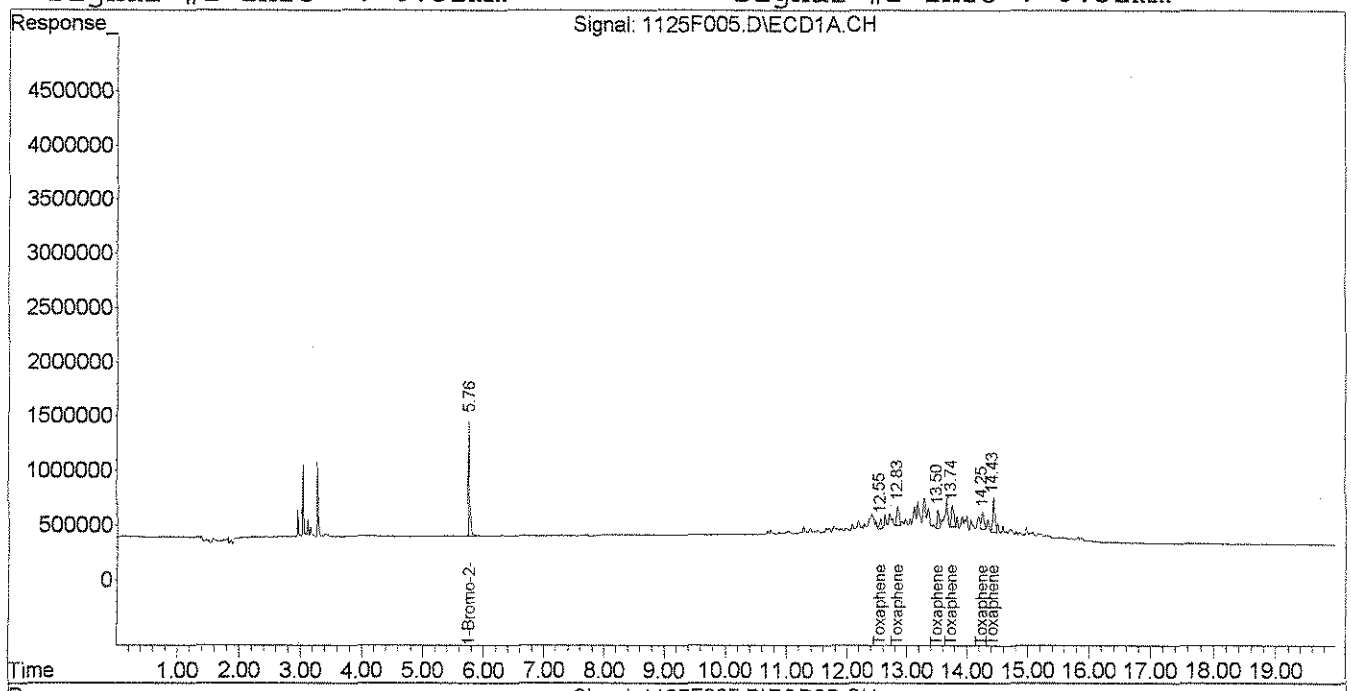
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

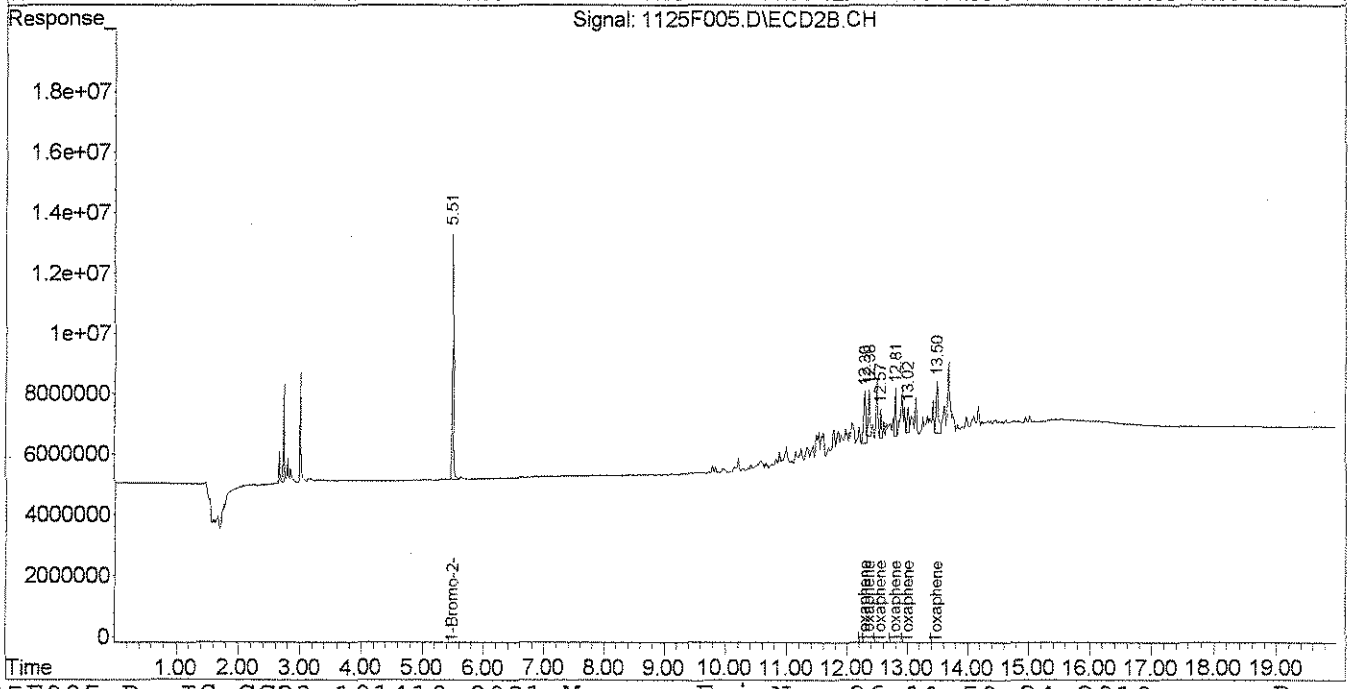
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F005.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F005.D\ECD2B.CH
Acq On : 25 Nov 2010 4:28 pm Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-69O | KWG1012938-3 Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:13 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

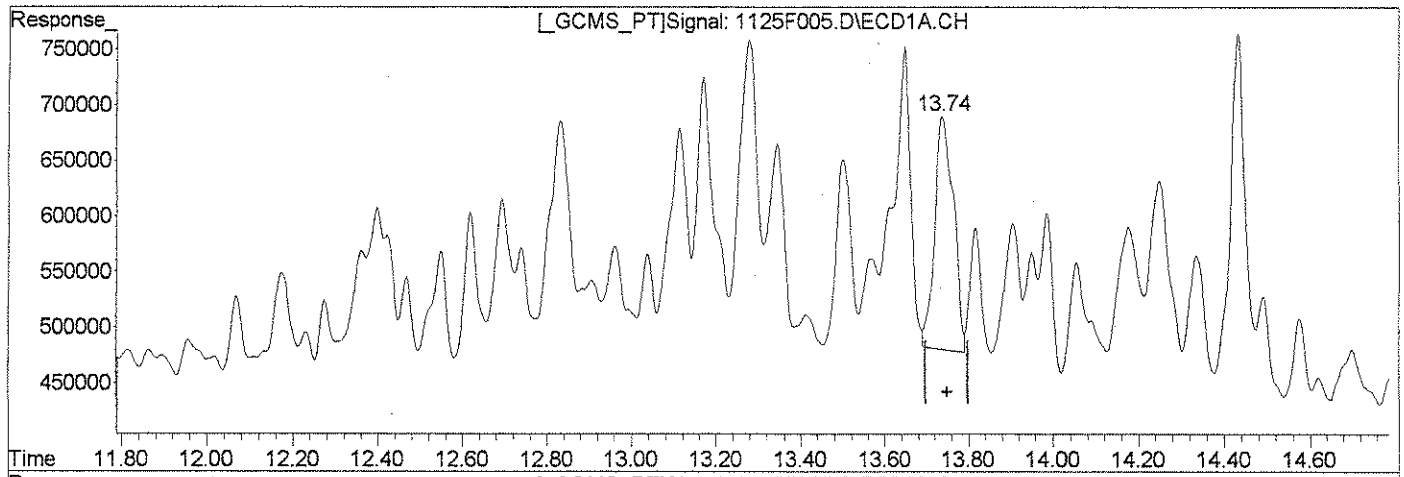


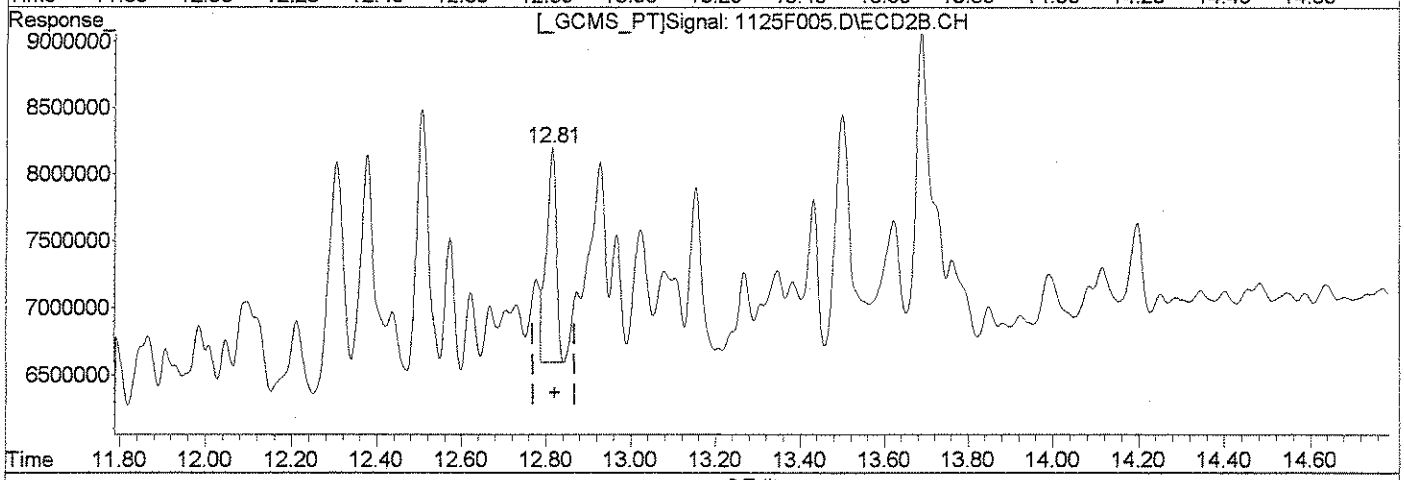


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F005.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F005.D\ECD2B.CH
Acq On : 25 Nov 2010 4:28 pm Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-69O | KWG1012938-3 Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(30) Toxaphene {4}

13.74min 1168.674ug/L

response 654877

(30) Toxaphene {4} #2

12.81min 1026.397ug/L

response 2595879

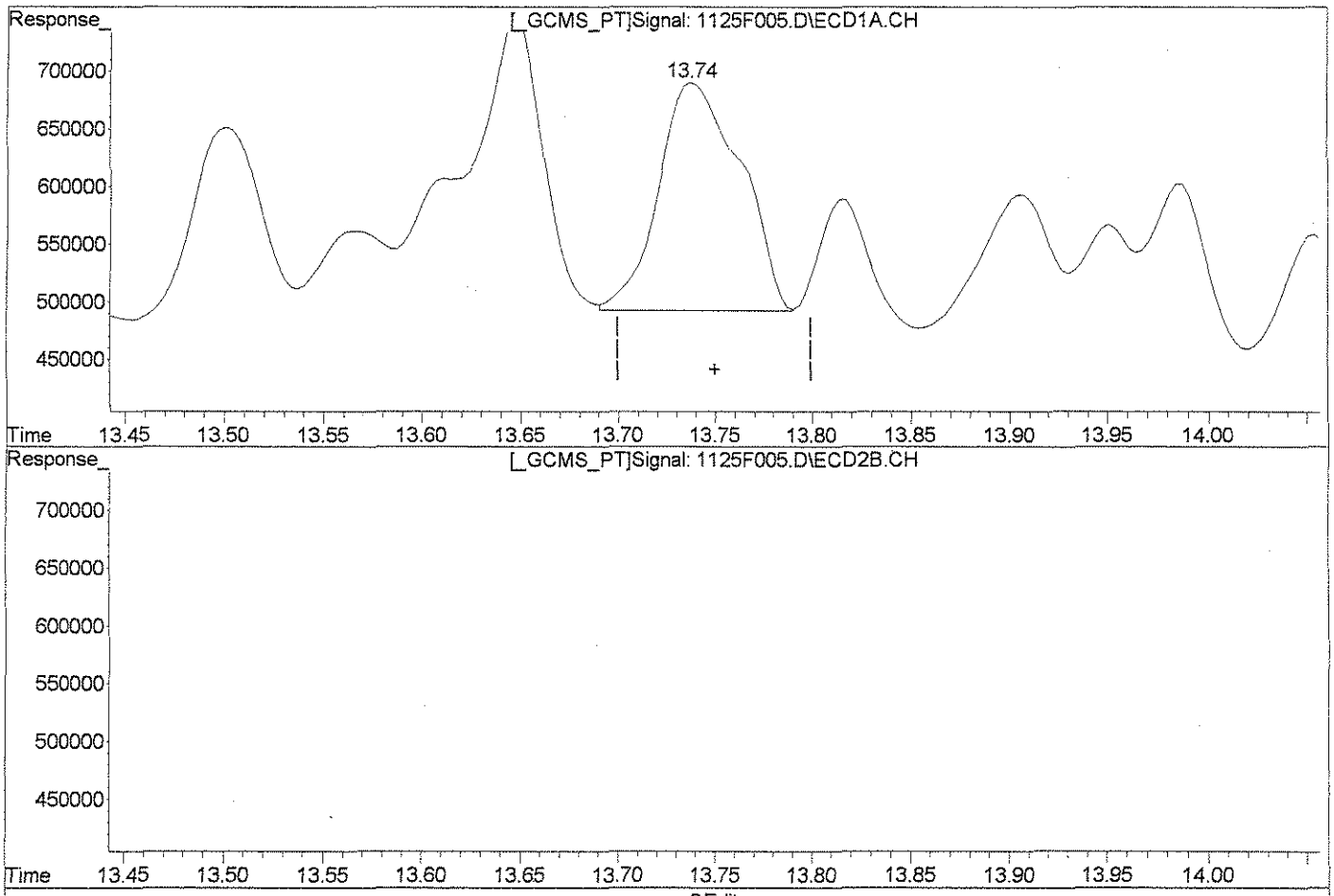
(+) = Expected Retention Time

1125F005.D IS-GC23-101410-8081.M Fri Nov 26 11:13:25 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F005.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F005.D\ECD2B.CH
Acq On : 25 Nov 2010 4:28 pm Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-690 | KWG1012938-3 Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(30) Toxaphene {4}

13.74min 1035.811ug/L m

response 580426

(30) Toxaphene {4} #2

12.81min 1026.397ug/L

response 2595879

Manual Integration:

After

Baseline/Shoulder

11/26/10

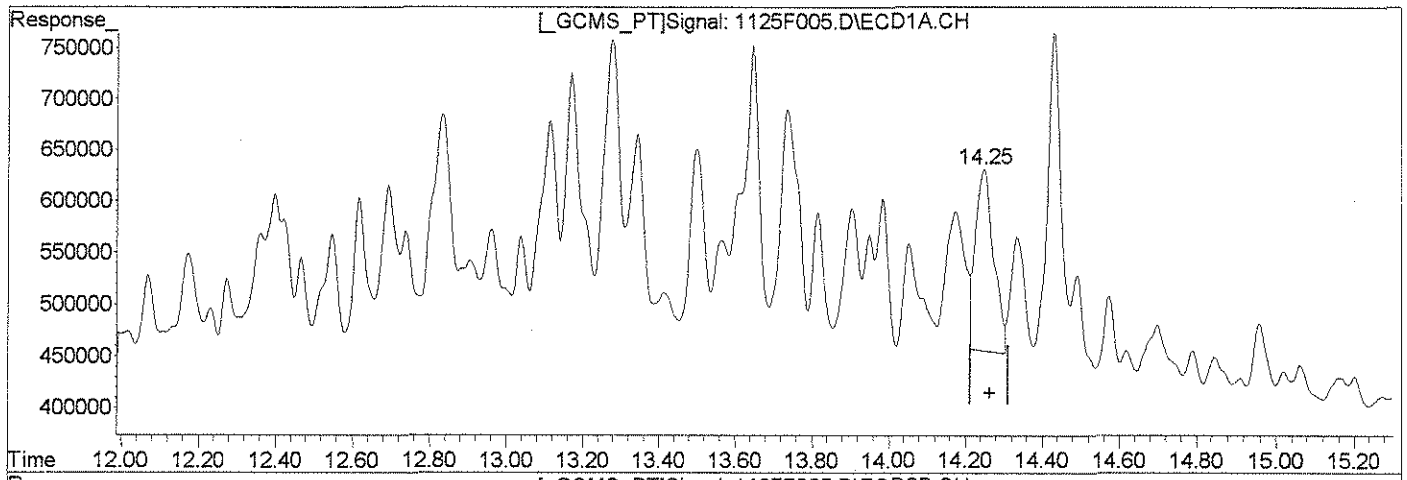
(+) = Expected Retention Time

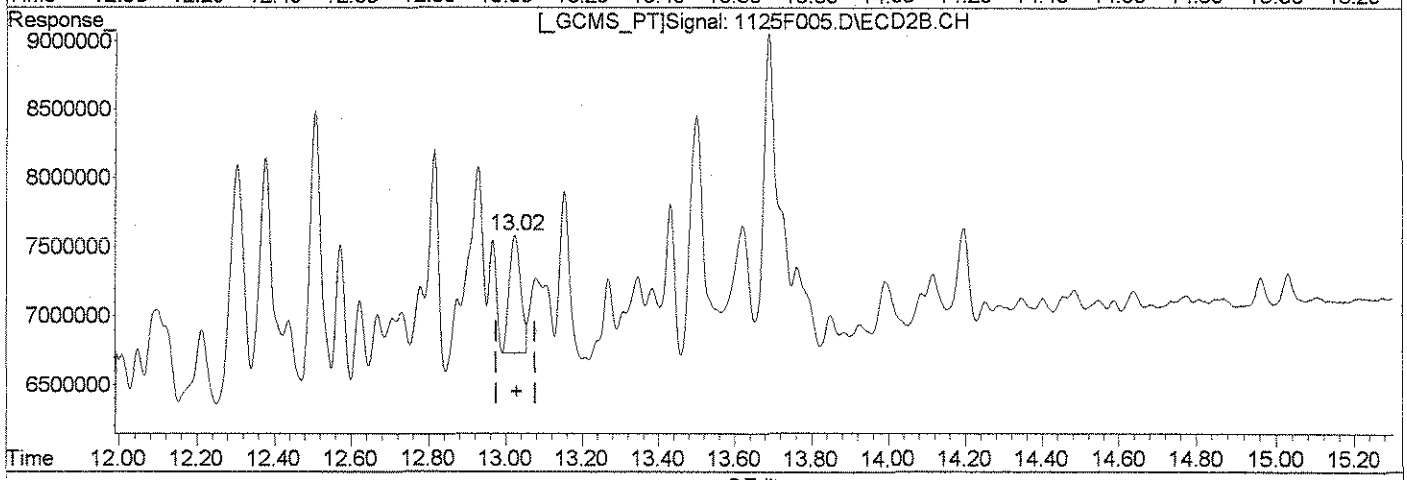
1125F005.D IS-GC23-101410-8081.M Fri Nov 26 11:13:39 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F005.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F005.D\ECD2B.CH
Acq On : 25 Nov 2010 4:28 pm Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-69O | KWG1012938-3 Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.25min 1238.291ug/L

response 570012

(31) Toxaphene {5} #2

13.02min 1105.027ug/L

response 1804941

Manual Integration:

Before

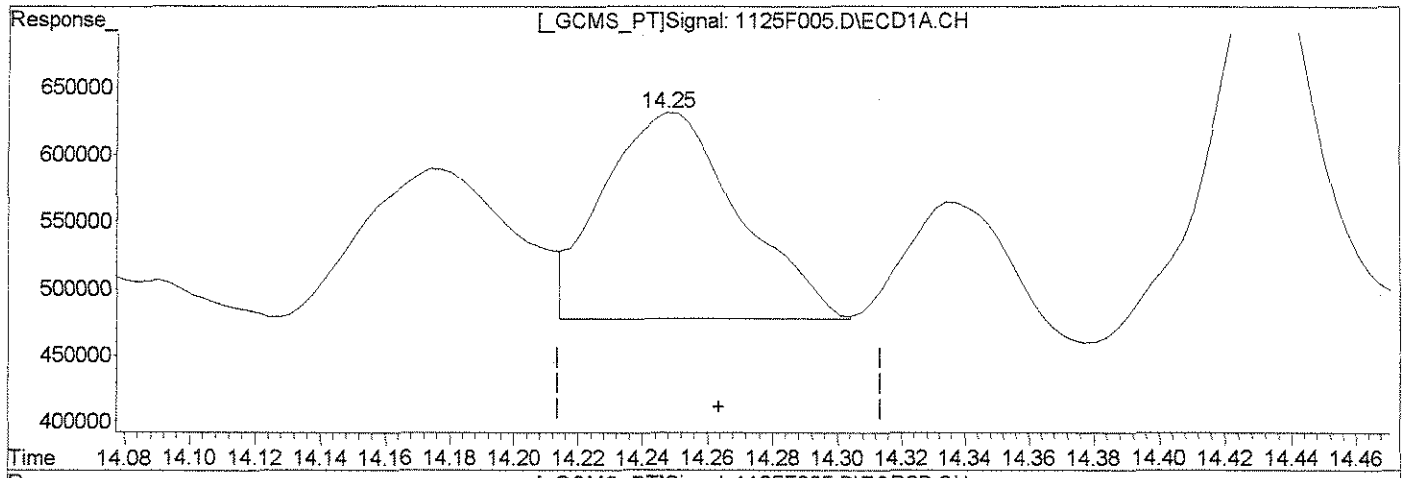
(+) = Expected Retention Time

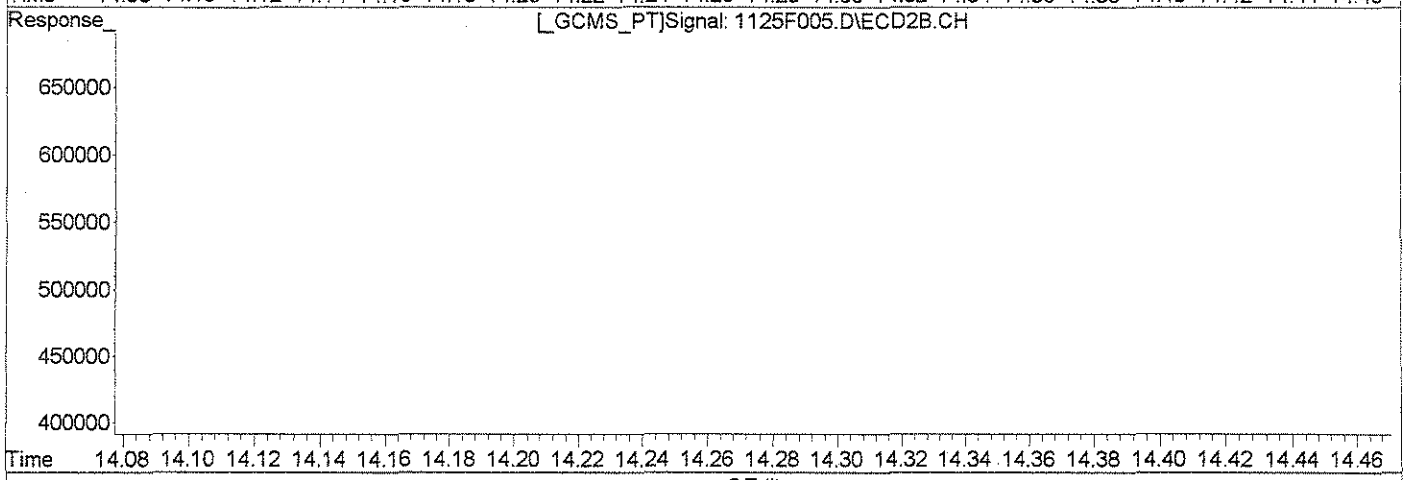
1125F005.D IS-GC23-101410-8081.M Fri Nov 26 11:13:44 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F005.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F005.D\ECD2B.CH
Acq On : 25 Nov 2010 4:28 pm Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-69O | KWG1012938-3 Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.25min 968.245ug/L m

response 445704

(31) Toxaphene {5} #2

13.02min 1105.027ug/L

response 1804941

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F005.D IS-GC23-101410-8081.M Fri Nov 26 11:14:02 2010

Exception Report

Data File: J:\GC23\DATA\112510\1125F006.D
Lab ID: KWG1012938-3
RunType: CCV
Matrix: MISC

Date Acquired: 11/25/2010 16:54
Date Quantitated: 11/26/2010 11:14
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	1039946.666	4159786.666	Na
	1-Bromo-2-nitrobenzene {2}	0	1049536.916	4198147.666	
	1-Bromo-2-nitrobenzene {4}	0	1072774.083	4291096.333	
	1-Bromo-2-nitrobenzene {5}	0	1069363	4277452	

Primary Review: _____

Secondary Review: _____

Exception Report

Data File: J:\GC23\DATA\112510\1125F006.D\1125F006C.D
Lab ID: KWG1012938-3
RunType: CCV
Matrix: MISC

Date Acquired: 11/25/2010 16:54
Date Quantitated: 11/26/2010 11:14
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	5313465.58	21253862.33	NA
	1-Bromo-2-nitrobenzene {2}	0	5304341.91	21217367.66	
	1-Bromo-2-nitrobenzene {4}	0	5435335.91	21741343.66	
	1-Bromo-2-nitrobenzene {5}	0	5394253.5	21577014	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	MISC
Prod Code:	8081A PEST_OC_L	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**		**Report Group:**	
Analysis Method:	8081A	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:		**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F006.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F006.D\1125F006c.d			**Vial:**	12
Acqu Date:	11/25/2010 16:54	**Quant Date:**	11/26/2010 11:14	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-3				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene			0d	0d	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76 -0.08	5.52 -0.05	1511838	11165494	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	0.00		0d	0d		0.0000			NR
				%Recovery =		NA	NA	Limits =	70-130	
1	Decachlorobiphenyl	0.00		0d	0d		0.0000			NR
				%Recovery =		NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000			NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000			
1	beta-BHC			0d	0d	0.0000	0.0000			NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000			NR
1	delta-BHC			0d	0d	0.0000	0.0000			NR
1	Heptachlor			0d	0d	0.0000	0.0000			NR
1	Aldrin			0d	0d	0.0000	0.0000			NR
1	Isodrin			0d	0d	0.0000	0.0000			
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000			NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F006.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F006.D\1125F006c.d			**Vial:**	12
Acqu Date:	11/25/2010 16:54	**Quant Date:**	11/26/2010 11:14	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-3				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:**

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000			NR
1	Endosulfan I			0d	0d	0.0000	0.0000			NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000			NR
1	Dieldrin			0d	0d	0.0000	0.0000			NR
1	4,4'-DDE			0d	0d	0.0000	0.0000			NR
1	Endrin			0d	0d	0.0000	0.0000			NR
1	Endosulfan II			0d	0d	0.0000	0.0000			NR
1	4,4'-DDD			0d	0d	0.0000	0.0000			NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000			NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000			NR
1	4,4'-DDT			0d	0d	0.0000	0.0000			NR
1	Endrin Ketone			0d	0d	0.0000	0.0000			NR
1	Methoxychlor			0d	0d	0.0000	0.0000			NR
	Toxaphene			0	0	0.0000	0.0000			NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000			
2	Toxaphene {2}			0d	0d	0.0000	0.0000			
2	Toxaphene {3}			0d	0d	0.0000	0.0000			
2	Toxaphene {4}			0d	0d	0.0000	0.0000			
2	Toxaphene {5}			0d	0d	0.0000	0.0000			
2	Toxaphene {6}			0d	0d	0.0000	0.0000			
	Chlordane			0	0	568.00	530.33			
3	Chlordane {1}	9.88	8.96	854449	5097010	564.91	518.84			
3	Chlordane {2}	10.22	9.25	1143294	6973187	563.16	541.43			
3	Chlordane {3}	10.77	10.94	781624	14604730	569.05	535.11			
3	Chlordane {4}	11.92	10.98	2527985	8043214	568.48	510.07			
3	Chlordane {5}	11.99	11.04	1966361	4356064	564.77	549.35			
3	Chlordane {6}	12.06	11.09	1363113	11943167	577.65	527.16			
5	2,4'-DDE			0d	0d	0.0000	0.0000			
5	2,4'-DDD			0d	0d	0.0000	0.0000			
5	2,4'-DDT			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Signal #1 : J:\GC23\DATA\112510\1125F006.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\112510\1125F006.D\ECD2B.CH
Acq On : 25 Nov 2010 4:54 pm Operator: CCotnam
Sample : CHLOR @ 500ppb | GCPS6-69P | KWG1012938- Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:26 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
33)	1-Bromo-2-nitrob	5.76	5.52	1511838	11165494	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
34)	Chlordane	9.88	8.96	854449	5097010	564.911	518.835
35)	Chlordane {2}	10.22	9.25	1143294	6973187	563.156	541.431
36)	Chlordane {3}	10.77	10.94	781624	14604730	569.051	535.109
37)	Chlordane {4}	11.92	10.98	2527985	8043214	568.483	510.071
38)	Chlordane {5}	11.99	11.04	1966361	4356064	564.766	549.348
39)	Chlordane {6}	12.06	11.09	1363113	11943167	577.652	527.160

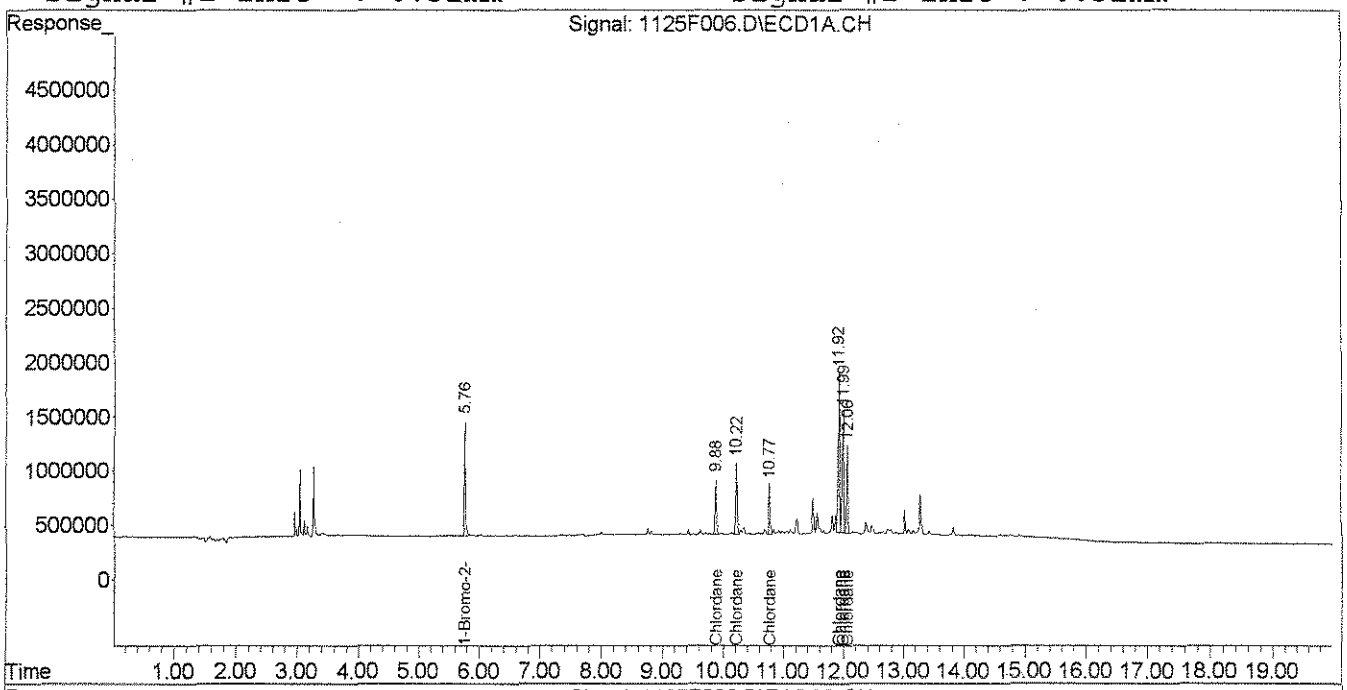
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

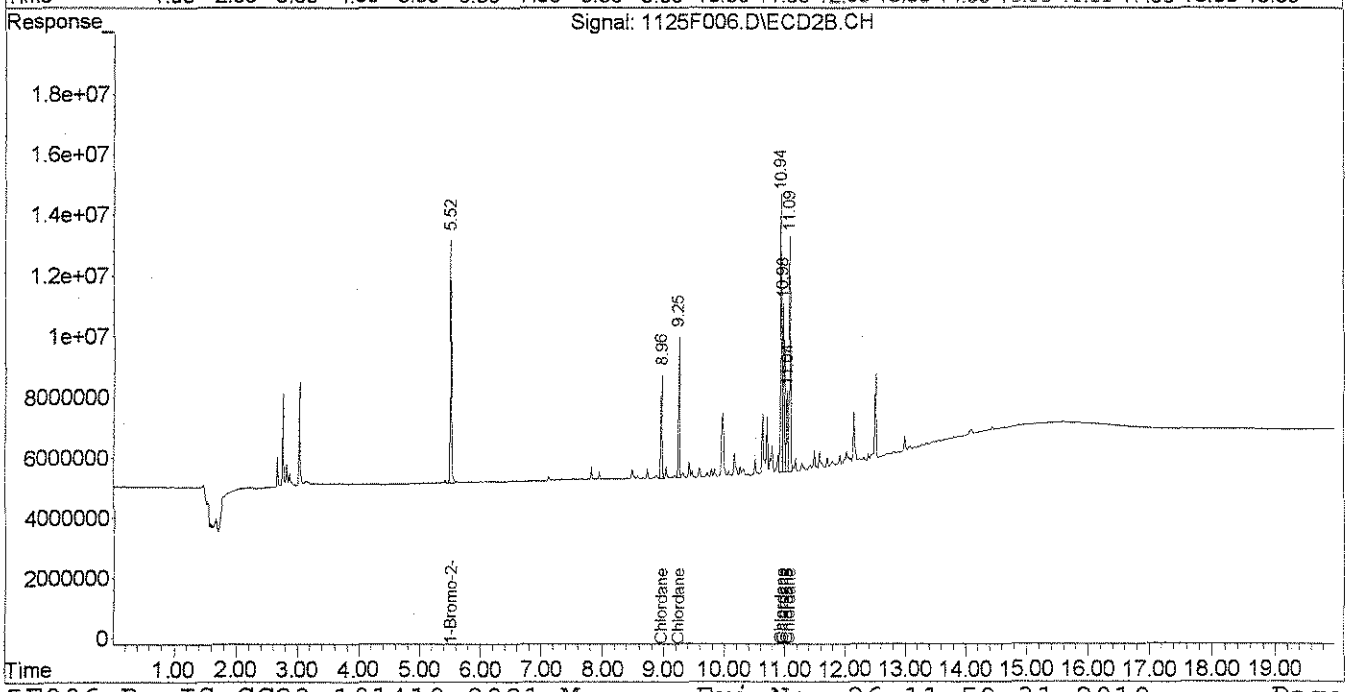
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F006.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\112510\1125F006.D\ECD2B.CH
Acq On : 25 Nov 2010 4:54 pm Operator: CCotnam
Sample : CHLOR @ 500ppb | GCPS6-69P | KWG1012938- Inst : GC23
Misc : SEMIVOA GC\W1012937\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:14 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/26/2010

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081A

Calibration Date: 10/14/2010
Calibration ID: CAL9961
Analysis Lot: KWG1012938
Units: ug/L

File ID: J:\GC23\DATA\112510\1125F026.D
J:\GC23\DATA\112510\1125F027.D
J:\GC23\DATA\112510\1125F028.D

Column ID: DB XLB

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Tetrachloro-m-xylene	50	51		1.09	1.11	2		NA	± 20 %	AverageRF
Decachlorobiphenyl	50	64		0.879	1.13	29	*	NA	± 20 %	AverageRF
alpha-BHC	50	48		1.57	1.52	-4		NA	± 20 %	AverageRF
beta-BHC	50	50		0.716	0.713	0		NA	± 20 %	AverageRF
gamma-BHC (Lindane)	50	49		1.49	1.45	-3		NA	± 20 %	AverageRF
delta-BHC	50	45		1.46	1.33	-9		NA	± 20 %	AverageRF
Heptachlor	50	52		1.47	1.53	4		NA	± 20 %	AverageRF
Aldrin	50	48		1.40	1.33	-5		NA	± 20 %	AverageRF
Heptachlor Epoxide	50	50		1.34	1.34	0		NA	± 20 %	AverageRF
Endosulfan I	50	50		1.22	1.21	-1		NA	± 20 %	AverageRF
Dieldrin	50	48		1.34	1.29	-3		NA	± 20 %	AverageRF
4,4'-DDE	50	49		1.22	1.19	-3		NA	± 20 %	AverageRF
Endrin	50	48		1.18	1.13	-4		NA	± 20 %	AverageRF
Endosulfan II	50	48		1.20	1.15	-4		NA	± 20 %	AverageRF
4,4'-DDD	50	47		1.07	1.00	-6		NA	± 20 %	AverageRF
Endrin Aldehyde	50	50		0.980	0.980	0		NA	± 20 %	AverageRF
Endosulfan Sulfate	50	50		1.11	1.12	1		NA	± 20 %	AverageRF
4,4'-DDT	50	45		1.11	1.00	-10		NA	± 20 %	AverageRF
Toxaphene {1}	1000	1100		0.00692	0.00752	9		NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100		0.0162	0.0180	11		NA	± 100 %	AverageRF
Toxaphene {3}	1000	1100		0.0124	0.0136	10		NA	± 100 %	AverageRF
Toxaphene {4}	1000	1100		0.0181	0.0190	5		NA	± 100 %	AverageRF
Toxaphene {5}	1000	990		0.0148	0.0147	-1		NA	± 100 %	AverageRF
Toxaphene {6}	1000	1000		0.0235	0.0236	1		NA	± 100 %	AverageRF
Toxaphene	1000	1100		NA	NA	NA		6	± 20 %	NA
Chlordane {1}	500	560		0.0500	0.0556	11		NA	± 100 %	AverageRF
Chlordane {2}	500	550		0.0671	0.0745	11		NA	± 100 %	AverageRF
Chlordane {3}	500	560		0.0454	0.0513	13		NA	± 100 %	AverageRF
Chlordane {4}	500	570		0.147	0.168	14		NA	± 100 %	AverageRF
Chlordane {5}	500	570		0.115	0.131	13		NA	± 100 %	AverageRF
Chlordane {6}	500	580		0.0780	0.0907	16		NA	± 100 %	AverageRF
Chlordane	500	570		NA	NA	NA		13	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/26/2010

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081A

Calibration Date: 10/14/2010
Calibration ID: CAL9961
Analysis Lot: KWG1012938
Units: ug/L

File ID: J:\GC23\DATA\112510\1125F026.D\1125F026C.D
J:\GC23\DATA\112510\1125F027.D\1125F027C.D
J:\GC23\DATA\112510\1125F028.D\1125F028C.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Tetrachloro-m-xylene	50	48		1.02	0.979	-4	NA	± 20 %	AverageRF
Decachlorobiphenyl	50	49		1.17	1.14	-2	NA	± 20 %	AverageRF
alpha-BHC	50	48		1.47	1.42	-3	NA	± 20 %	AverageRF
beta-BHC	50	47		0.686	0.651	-5	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	50	48		1.42	1.37	-4	NA	± 20 %	AverageRF
delta-BHC	50	47		1.42	1.32	-7	NA	± 20 %	AverageRF
Heptachlor	50	48		1.38	1.33	-3	NA	± 20 %	AverageRF
Aldrin	50	49		1.27	1.24	-3	NA	± 20 %	AverageRF
Heptachlor Epoxide	50	49		1.24	1.21	-3	NA	± 20 %	AverageRF
Endosulfan I	50	47		1.16	1.10	-6	NA	± 20 %	AverageRF
Dieldrin	50	48		1.24	1.20	-4	NA	± 20 %	AverageRF
4,4'-DDE	50	49		1.16	1.13	-3	NA	± 20 %	AverageRF
Endrin	50	48		1.12	1.08	-3	NA	± 20 %	AverageRF
Endosulfan II	50	48		1.14	1.09	-5	NA	± 20 %	AverageRF
4,4'-DDD	50	48		0.992	0.954	-4	NA	± 20 %	AverageRF
Endrin Aldehyde	50	49		0.961	0.950	-1	NA	± 20 %	AverageRF
Endosulfan Sulfate	50	48		1.10	1.04	-5	NA	± 20 %	AverageRF
4,4'-DDT	50	50		0.979	0.976	0	NA	± 20 %	AverageRF
Toxaphene {1}	1000	1100		0.0180	0.0193	7	NA	± 100 %	AverageRF
Toxaphene {2}	1000	1100		0.0128	0.0142	11	NA	± 100 %	AverageRF
Toxaphene {3}	1000	950		0.00669	0.00636	-5	NA	± 100 %	AverageRF
Toxaphene {4}	1000	1000		0.0112	0.0115	3	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1100		0.00724	0.00803	11	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1200		0.0173	0.0202	16	NA	± 100 %	AverageRF
Toxaphene	1000	1100		NA	NA	NA	7	± 20 %	NA
Chlordane {1}	500	520		0.0440	0.0454	3	NA	± 100 %	AverageRF
Chlordane {2}	500	540		0.0577	0.0626	9	NA	± 100 %	AverageRF
Chlordane {3}	500	520		0.122	0.127	4	NA	± 100 %	AverageRF
Chlordane {4}	500	520		0.0706	0.0729	3	NA	± 100 %	AverageRF
Chlordane {5}	500	520		0.0355	0.0370	4	NA	± 100 %	AverageRF
Chlordane {6}	500	520		0.101	0.107	5	NA	± 100 %	AverageRF
Chlordane	500	520		NA	NA	NA	5	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

Exception Report

Data File:	J:\GC23\DATA\112510\1125F026.D	**Date Acquired:**	11/26/2010 01:51
Lab ID:	KWG1012938-6	**Date Quantitated:**	11/26/2010 11:45
RunType:	CCV	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	1049536.916	4198147.666	NL
	1-Bromo-2-nitrobenzene {3}	0	1071424.583	4285698.333	
	1-Bromo-2-nitrobenzene {4}	0	1072774.083	4291096.333	
	1-Bromo-2-nitrobenzene {5}	0	1069363	4277452	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F026.D\1125F026C.D	**Date Acquired:**	11/26/2010 01:51
Lab ID:	KWG1012938-6	**Date Quantitated:**	11/26/2010 11:45
RunType:	CCV	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	5304341.91	21217367.66	NA
	1-Bromo-2-nitrobenzene {3}	0	5406153.91	21624615.66	
	1-Bromo-2-nitrobenzene {4}	0	5435335.91	21741343.66	
	1-Bromo-2-nitrobenzene {5}	0	5394253.5	21577014	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	MISC
Prod Code:	8081A PEST_OC_L	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**		**Report Group:**	
Analysis Method:	8081A	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:		**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F026.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F026.D\1125F026c.d			**Vial:**	10
Acqu Date:	11/26/2010 01:51	**Quant Date:**	11/26/2010 11:45	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-6				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76 -0.08	5.51 -0.06	1554998	11186058	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	8.03	7.06	1724496	10951428	51.01	48.10			NA
					%Recovery =	NA	NA	Limits =	70-130	
1	Decachlorobiphenyl	16.49	15.59	1757481	12800547	64.27	49.07			NA
					%Recovery =	NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC	8.72	8.08	2356986	15934608	48.20	48.36			
1	Hexachlorobenzene	8.85	7.91	2244015	15718872	56.86	46.11			
1	beta-BHC	9.74	9.09	1109174	7280897	49.81	47.42			
1	gamma-BHC (Lindane)	9.26	8.68	2250443	15287705	48.72	48.03			
1	delta-BHC	10.14	9.53	2067352	14759820	45.43	46.53			
1	Heptachlor	10.21	9.24	2385065	14915676	52.21	48.28			
1	Aldrin	10.72	9.72	2070780	13870337	47.50	48.66			
1	Isodrin	11.24	10.37	1779285	11613995	49.41	48.45			
1	Heptachlor Epoxide	11.42	10.58	2090292	13494883	50.13	48.52			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F026.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F026.D\1125F026c.d			**Vial:**	10
Acqu Date:	11/26/2010 01:51	**Quant Date:**	11/26/2010 11:45	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-6				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:**

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane	11.91	10.93	2068940	13607423	50.44	47.97			
1	Endosulfan I	12.03	11.16	1883145	12302140	49.68	47.23			
1	alpha-Chlordane	11.98	11.08	2055680	13191985	50.51	48.18			
1	Dieldrin	12.43	11.59	2008372	13416812	48.36	48.18			
1	4,4'-DDE	12.23	11.41	1844431	12615233	48.73	48.71			
1	Endrin	12.77	12.06	1764723	12120888m	48.04	48.31			
1	Endosulfan II	13.18	12.46	1783768	12179157	47.94	47.61			
1	4,4'-DDD	13.01	12.27	1560318	10667100	46.78	48.08			
1	Endrin Aldehyde	13.35	12.80	1524368	10629682	50.01	49.42			
1	Endosulfan Sulfate	13.77	13.10	1735516	11682239m	50.39	47.54			
1	4,4'-DDT	13.47	12.67	1555133	10922507	45.07	49.88			
1	Endrin Ketone	14.38	13.98	2053691	14058931	49.61	49.31			
1	Methoxychlor	14.13	13.68	936407	5813326	49.60	47.12			
	Toxaphene			0	0	0.0000	0.0000			NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000			
2	Toxaphene {2}			0d	0d	0.0000	0.0000			
2	Toxaphene {3}			0d	0d	0.0000	0.0000			
2	Toxaphene {4}			0d	0d	0.0000	0.0000			
2	Toxaphene {5}			0d	0d	0.0000	0.0000			
2	Toxaphene {6}			0d	0d	0.0000	0.0000			
	Chlordane			0	0	0.0000	0.0000			NR
3	Chlordane {1}			0d	0d	0.0000	0.0000			
3	Chlordane {2}			0d	0d	0.0000	0.0000			
3	Chlordane {3}			0d	0d	0.0000	0.0000			
3	Chlordane {4}			0d	0d	0.0000	0.0000			
3	Chlordane {5}			0d	0d	0.0000	0.0000			
3	Chlordane {6}			0d	0d	0.0000	0.0000			
5	2,4'-DDE			0d	0d	0.0000	0.0000			
5	2,4'-DDD			0d	0d	0.0000	0.0000			
5	2,4'-DDT			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F026.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\112510\1125F026.D\ECD2B.CH
Acq On : 26 Nov 2010 1:51 am Operator: CCotnam
Sample : 8081 @ 50ppb | GCPS6-69M | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:47 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.76	5.51	1554998	11186058	50.000	50.000
		System Monitoring Compounds						
2)	s	Tetrachloro-m-xy	8.03	7.06	1724496	10951428	51.013	48.096
25)	s	Decachlorobiphen	16.49f	15.59	1757481	12800547	64.267	49.068
		Target Compounds						
3)		alpha-BHC	8.72	8.08	2356986	15934608	48.199	48.359
4)		Hexachlorobenzen	8.85	7.91	2244015	15718872	56.859	46.106
5)		beta-BHC	9.74	9.09	1109174	7280897	49.814	47.421
6)		gamma-BHC (Linda	9.26	8.68	2250443	15287705	48.719	48.026
7)		delta-BHC	10.14	9.53	2067352	14759820	45.426	46.532
8)		Heptachlor	10.21	9.24	2385065	14915676	52.212	48.283
9)		Aldrin	10.72	9.72	2070780	13870337	47.500	48.661
10)		Isodrin	11.24	10.37	1779285	11613995	49.408	48.447
11)		Heptachlor Epoxi	11.42	10.58	2090292	13494883	50.129	48.523
12)		gamma-Chlordane	11.91	10.93	2068940	13607423	50.441	47.973
13)		Endosulfan I	12.03	11.16	1883145	12302140	49.678	47.234
14)		alpha-Chlordane	11.98	11.08	2055680	13191985	50.512	48.183
15)		Dieldrin	12.43	11.59	2008372	13416812	48.362	48.176
16)		4,4'-DDE	12.23	11.41	1844431	12615233	48.727	48.711
17)		Endrin	12.77	12.06	1764723	12120888	48.042	48.310m
18)		Endosulfan II	13.18	12.46	1783768	12179157	47.941	47.610
19)		4,4'-DDD	13.01	12.27	1560318	10667100	46.779	48.075
20)		Endrin Aldehyde	13.35	12.80	1524368	10629682	50.009	49.419
21)		Endosulfan Sulfa	13.77	13.10	1735516	11682239	50.386	47.544m
22)		4,4'-DDT	13.47	12.67	1555133	10922507	45.065	49.883
23)		Endrin Ketone	14.38f	13.98	2053691	14058931	49.606	49.314
24)		Methoxychlor	14.13	13.68	936407	5813326	49.595	47.116

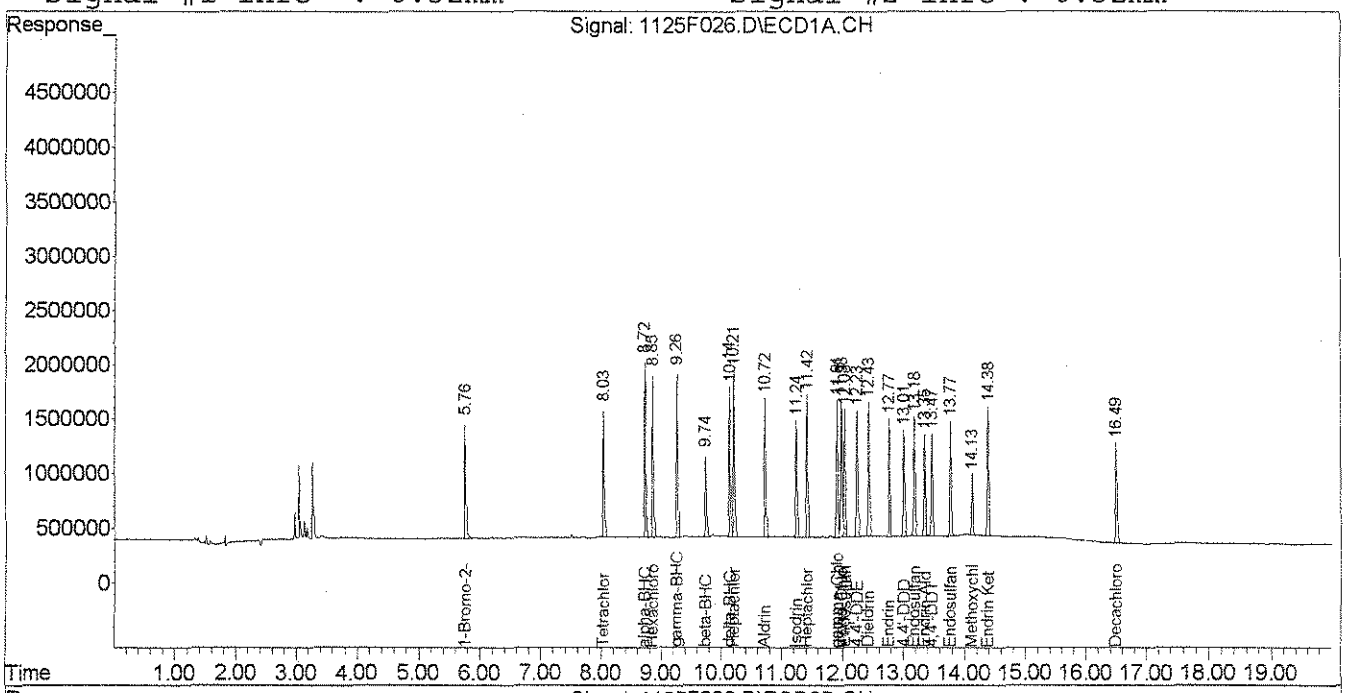
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

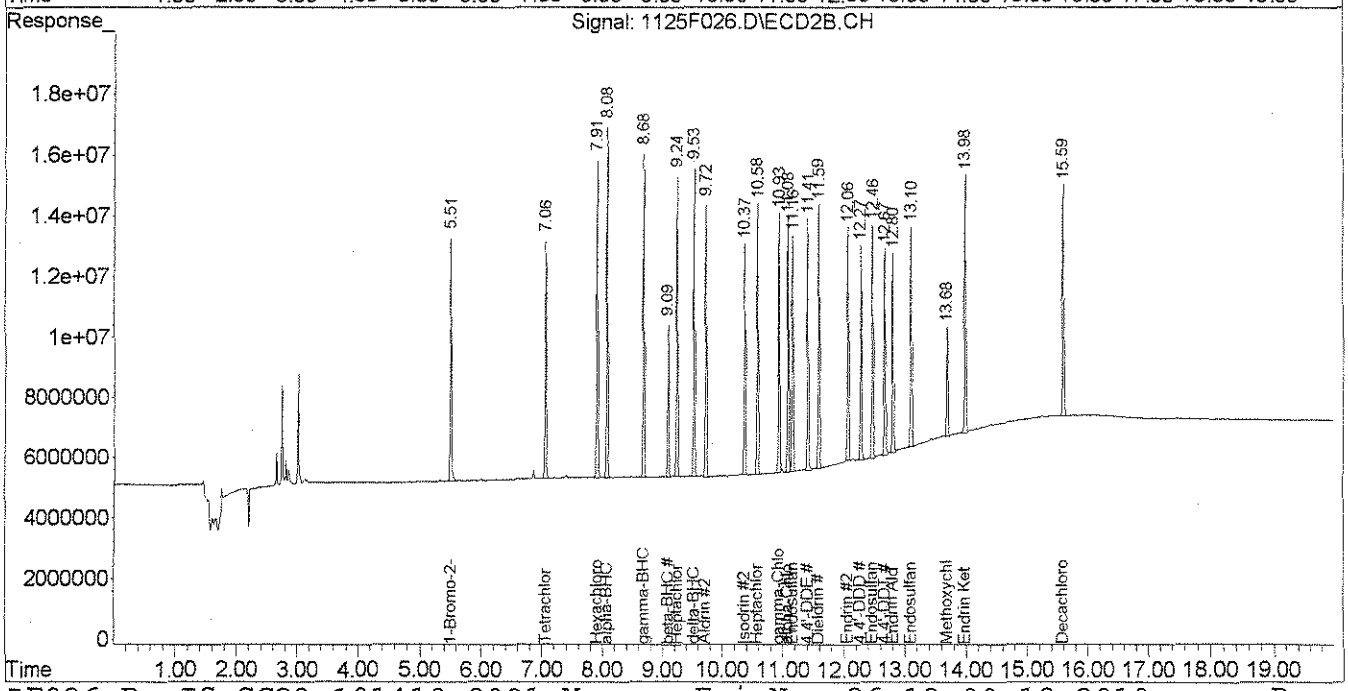
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F026.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\112510\1125F026.D\ECD2B.CH
Acq On : 26 Nov 2010 1:51 am Operator: CCotnam
Sample : 8081 @ 50ppb | GCPS6-69M | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:45 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

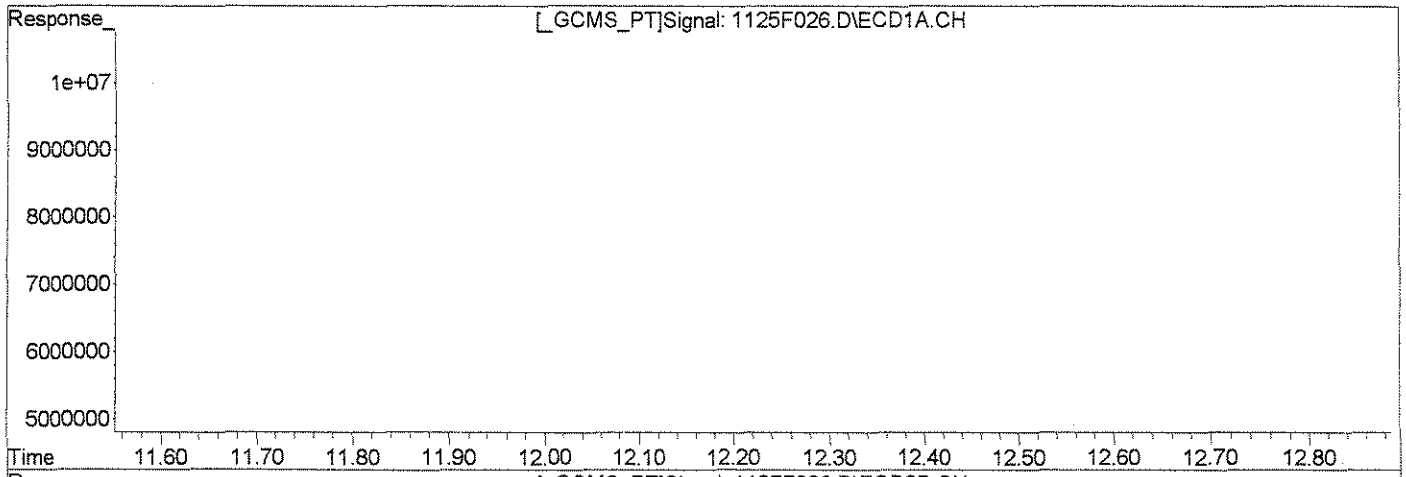


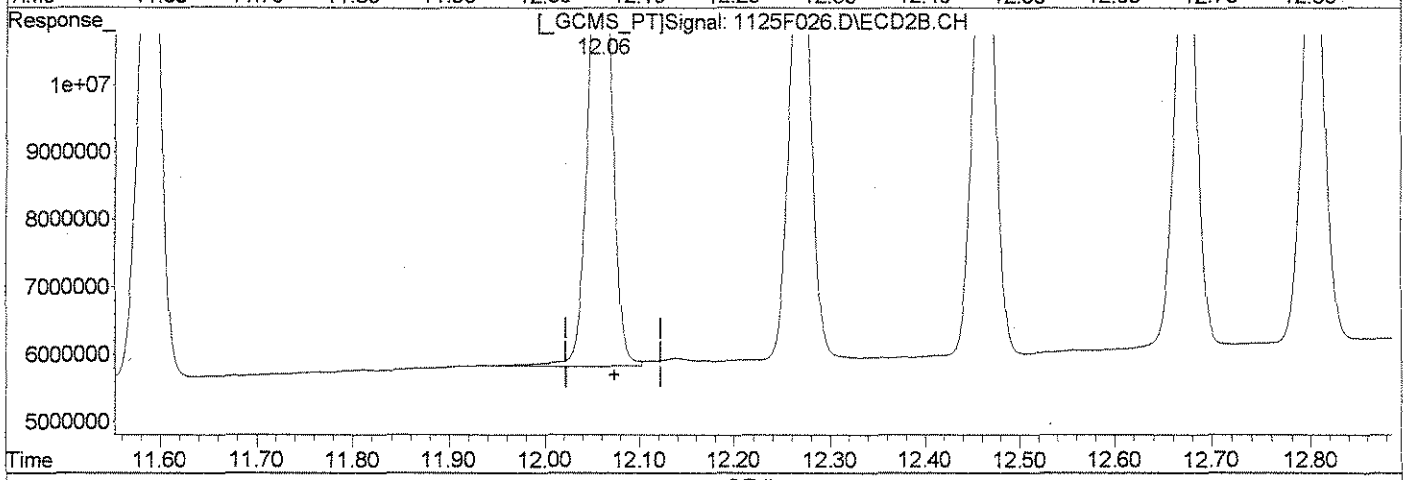


Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F026.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\112510\1125F026.D\ECD2B.CH
Acq On : 26 Nov 2010 1:51 am Operator: CCotnam
Sample : 8081 @ 50ppb | GCPS6-69M | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(17) Endrin

12.77min 48.042ug/L

response 1764723

(17) Endrin #2

12.06min 50.069ug/L

response 12562124

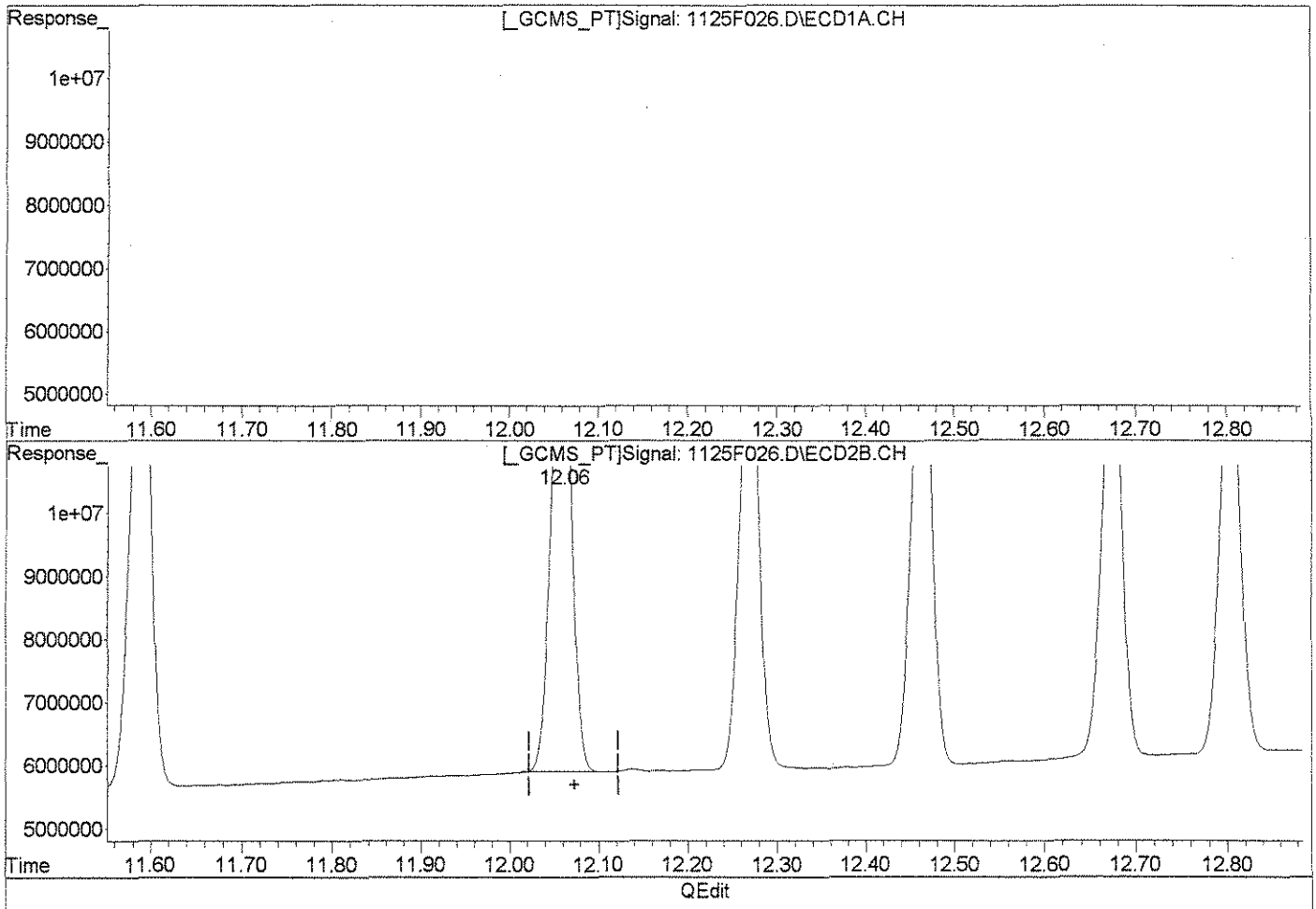
(+) = Expected Retention Time

1125F026.D IS-GC23-101410-8081.M Fri Nov 26 11:45:31 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F026.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\112510\1125F026.D\ECD2B.CH
Acq On : 26 Nov 2010 1:51 am Operator: CCotnam
Sample : 8081 @ 50ppb | GCPS6-69M | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



(17) Endrin
12.77min 48.042ug/L
response 1764723

(17) Endrin #2
12.06min 48.310ug/L m
response 12120888

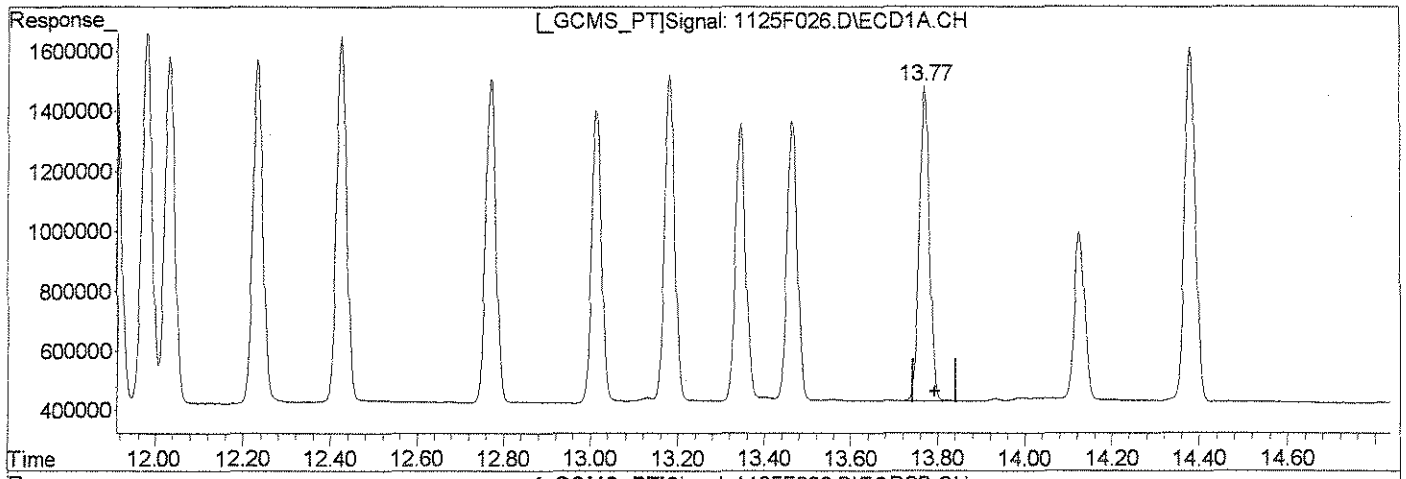
Manual Integration:
After
Baseline/Shoulder
11/26/10

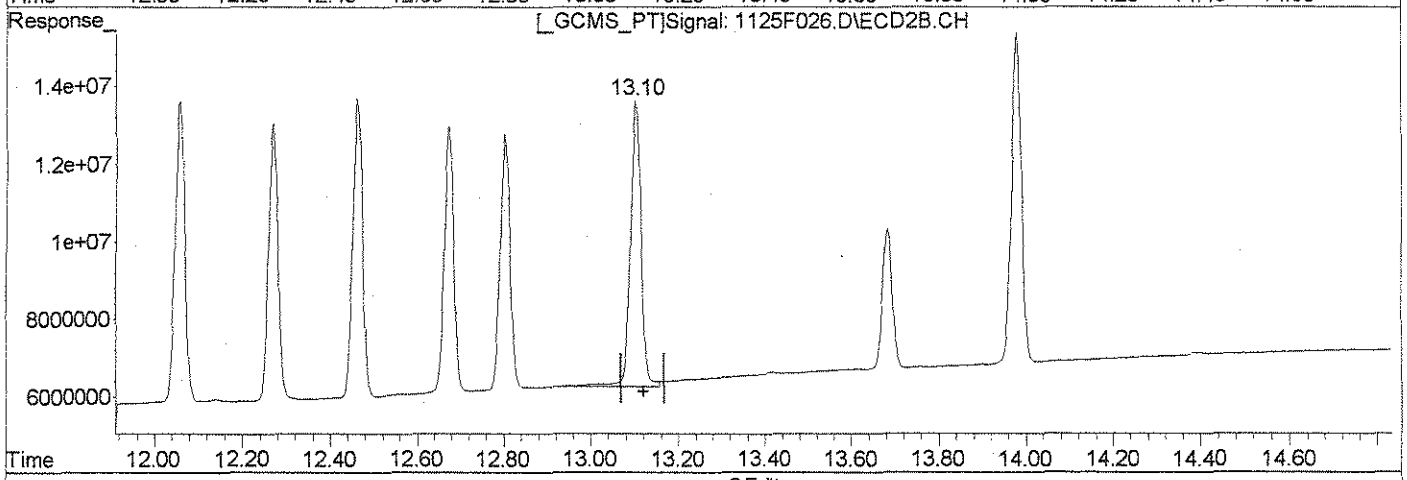
(+) = Expected Retention Time
1125F026.D IS-GC23-101410-8081.M Fri Nov 26 11:45:38 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F026.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\112510\1125F026.D\ECD2B.CH
Acq On : 26 Nov 2010 1:51 am Operator: CCotnam
Sample : 8081 @ 50ppb | GCPS6-69M | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(21) Endosulfan Sulfate

13.77min 50.386ug/L

response 1735516

(21) Endosulfan Sulfate #2

13.10min 51.454ug/L

response 12642982

Manual Integration:

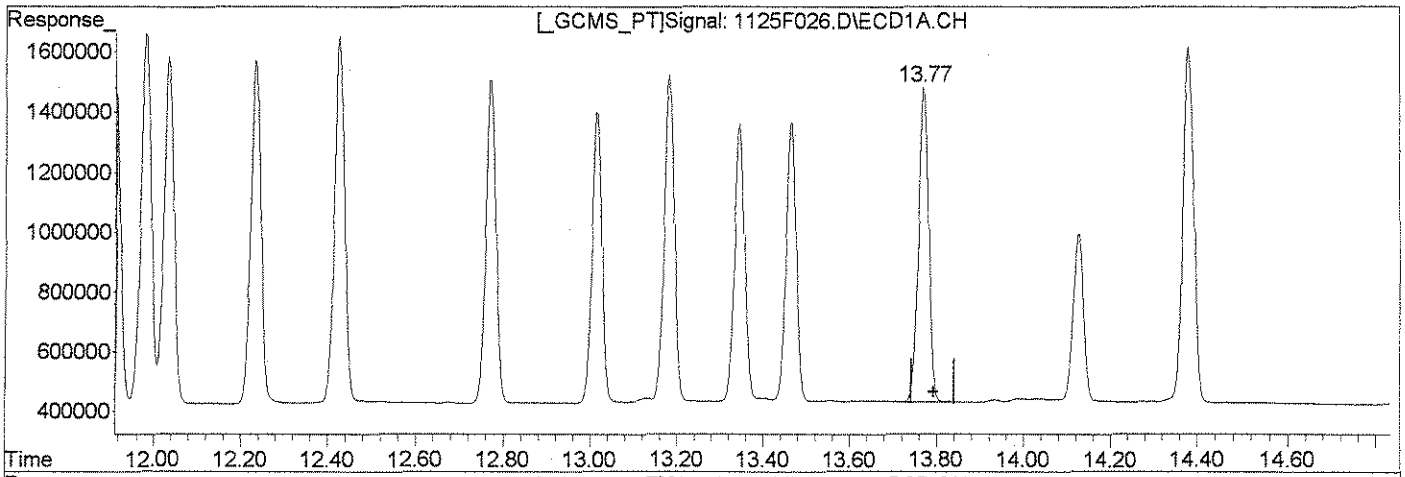
Before

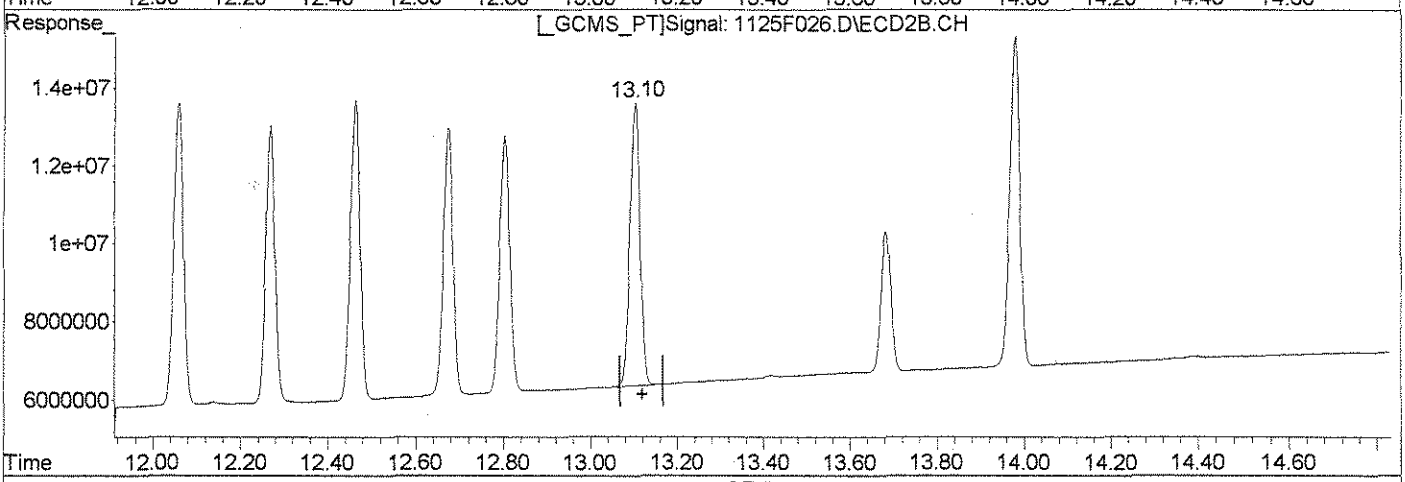
(+) = Expected Retention Time

1125F026.D IS-GC23-101410-8081.M Fri Nov 26 11:45:49 2010

Signal #1 : J:\GC23\DATA\112510\1125F026.D\ECD1A.CH Vial: 10
Signal #2 : J:\GC23\DATA\112510\1125F026.D\ECD2B.CH
Acq On : 26 Nov 2010 1:51 am Operator: CCotnam
Sample : 8081 @ 50ppb | GCPS6-69M | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(21) Endosulfan Sulfate
13.77min 50.386ug/L
response 1735516

(21) Endosulfan Sulfate #2
13.10min 47.544ug/L m
response 11682239

Manual Integration:
After
Baseline/Shoulder
11/26/10

(+) = Expected Retention Time
1125F026.D IS-GC23-101410-8081.M Fri Nov 26 11:45:56 2010

Exception Report

Data File:	J:\GC23\DATA\112510\1125F027.D	**Date Acquired:**	11/26/2010 02:18
Lab ID:	KWG1012938-6	**Date Quantitated:**	11/26/2010 11:47
RunType:	CCV	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	1039946.666	4159786.666	NA
	1-Bromo-2-nitrobenzene {3}	0	1071424.583	4285698.333	
	1-Bromo-2-nitrobenzene {4}	0	1072774.083	4291096.333	
	1-Bromo-2-nitrobenzene {5}	0	1069363	4277452	

Primary Review: 11/29/10

Secondary Review: MGM

Exception Report

Data File:	J:\GC23\DATA\112510\1125F027.D\1125F027C.D	**Date Acquired:**	11/26/2010 02:18
Lab ID:	KWG1012938-6	**Date Quantitated:**	11/26/2010 11:47
RunType:	CCV	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	5313465.58	21253862.33	NA
	1-Bromo-2-nitrobenzene {3}	0	5406153.91	21624615.66	
	1-Bromo-2-nitrobenzene {4}	0	5435335.91	21741343.66	
	1-Bromo-2-nitrobenzene {5}	0	5394253.5	21577014	✓

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	MISC
Prod Code:	8081A PEST_OC_L	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**		**Report Group:**	
Analysis Method:	8081A	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:		**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F027.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F027.D\1125F027c.d			**Vial:**	11
Acqu Date:	11/26/2010 02:18	**Quant Date:**	11/26/2010 11:47	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-6				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene			0d	0d	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76 -0.07	5.51 -0.05	1595912	11637117	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	0.00		0d	0d		0.0000			NR
				%Recovery =		NA	NA	Limits =	70-130	
1	Decachlorobiphenyl	0.00		0d	0d		0.0000			NR
				%Recovery =		NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000			NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000			
1	beta-BHC			0d	0d	0.0000	0.0000			NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000			NR
1	delta-BHC			0d	0d	0.0000	0.0000			NR
1	Heptachlor			0d	0d	0.0000	0.0000			NR
1	Aldrin			0d	0d	0.0000	0.0000			NR
1	Isodrin			0d	0d	0.0000	0.0000			
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000			NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F027.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F027.D\1125F027c.d			**Vial:**	11
Acqu Date:	11/26/2010 02:18	**Quant Date:**	11/26/2010 11:47	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-6				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:**

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000			NR
1	Endosulfan I			0d	0d	0.0000	0.0000			NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000			NR
1	Dieldrin			0d	0d	0.0000	0.0000			NR
1	4,4'-DDE			0d	0d	0.0000	0.0000			NR
1	Endrin			0d	0d	0.0000	0.0000			NR
1	Endosulfan II			0d	0d	0.0000	0.0000			NR
1	4,4'-DDD			0d	0d	0.0000	0.0000			NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000			NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000			NR
1	4,4'-DDT			0d	0d	0.0000	0.0000			NR
1	Endrin Ketone			0d	0d	0.0000	0.0000			NR
1	Methoxychlor			0d	0d	0.0000	0.0000			NR
	Toxaphene			0	0	1,057	1,072			
2	Toxaphene {1}	12.55	12.31	240125	4489723	1,087	1,074			
2	Toxaphene {2}	12.84	12.38	575368	3296354	1,112	1,109			
2	Toxaphene {3}	13.51	12.57	433545	1481280	1,095	950.65			
2	Toxaphene {4}	13.74	12.82	606305m	2679364	1,051	1,027			
2	Toxaphene {5}	14.25	13.02	468193m	1870066	988.43	1,109			
2	Toxaphene {6}	14.44	13.50	754703m	4691048	1,007	1,163			
	Chlordane			0	0	0.0000	0.0000			NR
3	Chlordane {1}			0d	0d	0.0000	0.0000			
3	Chlordane {2}			0d	0d	0.0000	0.0000			
3	Chlordane {3}			0d	0d	0.0000	0.0000			
3	Chlordane {4}			0d	0d	0.0000	0.0000			
3	Chlordane {5}			0d	0d	0.0000	0.0000			
3	Chlordane {6}			0d	0d	0.0000	0.0000			
5	2,4'-DDE			0d	0d	0.0000	0.0000			
5	2,4'-DDD			0d	0d	0.0000	0.0000			
5	2,4'-DDT			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F027.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F027.D\ECD2B.CH
Acq On : 26 Nov 2010 2:18 am Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-69O | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:48 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

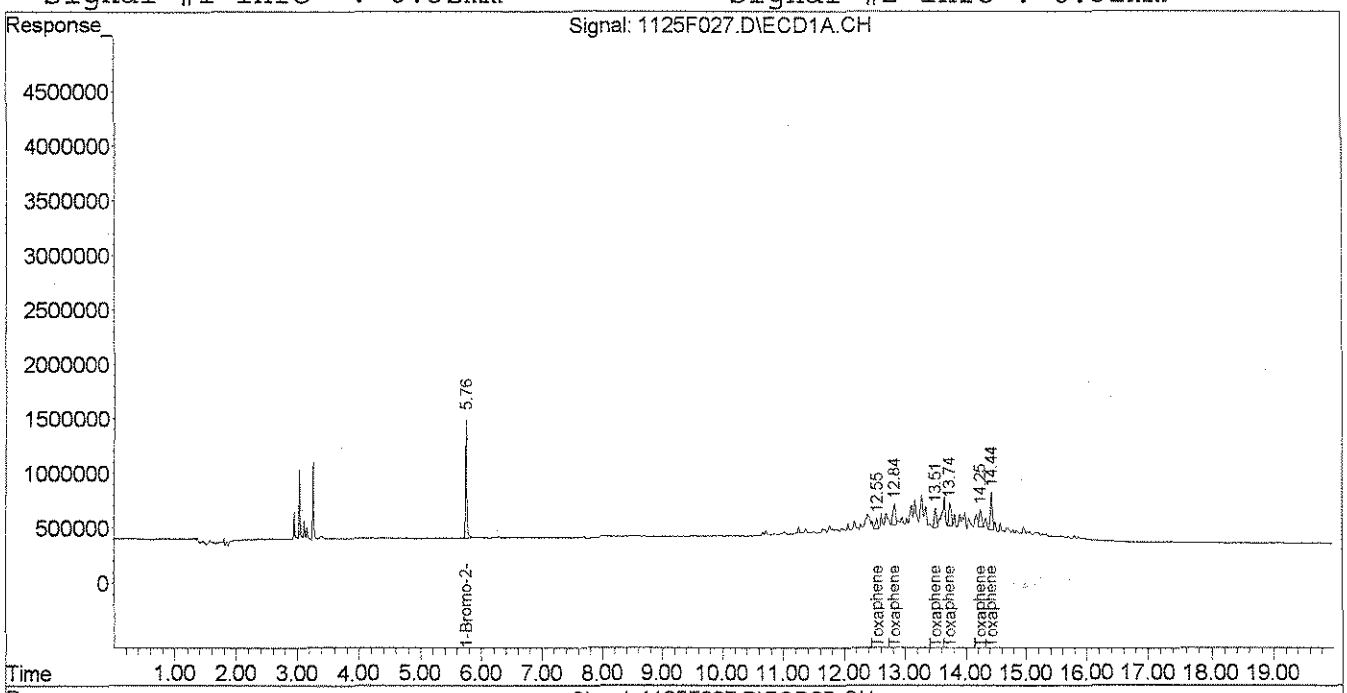
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
26)	1-Bromo-2-nitrob	5.76	5.51	1595912	11637117	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
27)	Toxaphene	12.55	12.31	240125	4489723	1086.899	1073.559
28)	Toxaphene {2}	12.84	12.38	575368	3296354	1111.515	1108.842
29)	Toxaphene {3}	13.51	12.57	433545	1481280	1095.381	950.651
30)	Toxaphene {4}	13.74	12.82	606305	2679364	1051.495m	1026.569
31)	Toxaphene {5}	14.25	13.02	468193	1870066	988.430m	1109.410
32)	Toxaphene {6}	14.44	13.50	754703	4691048	1006.715m	1162.673

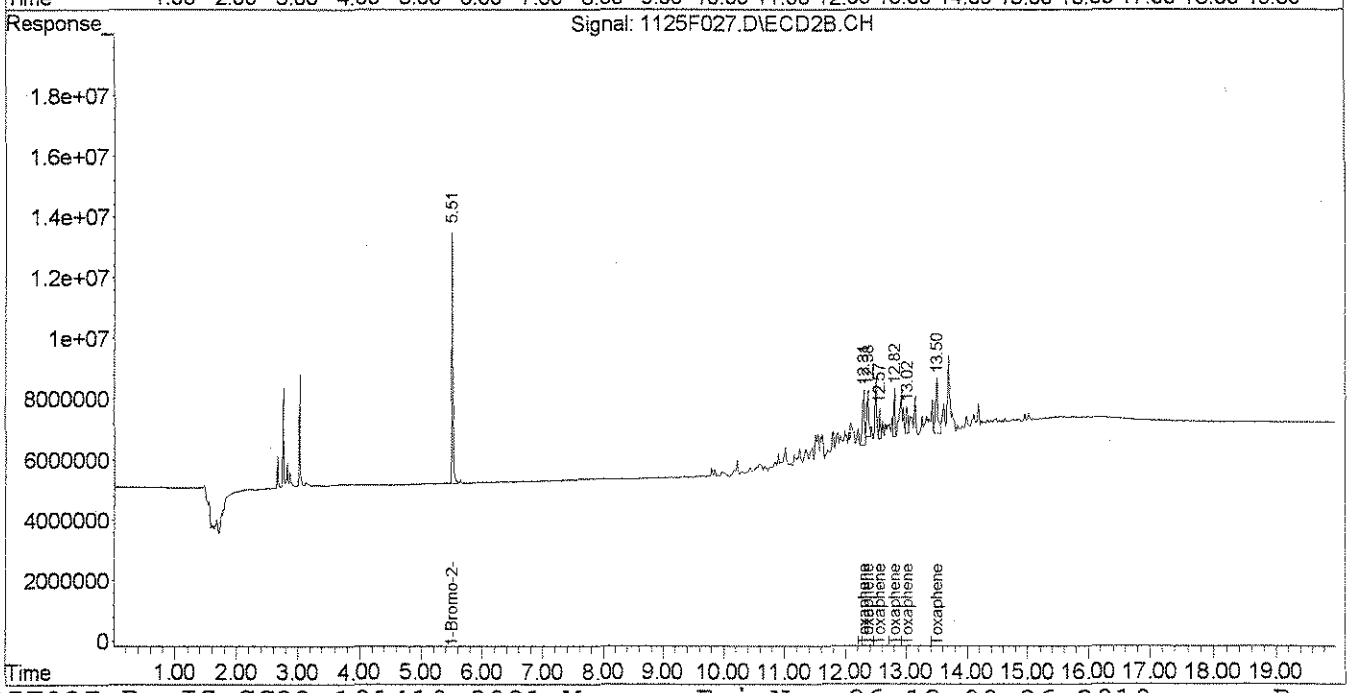
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : J:\GC23\DATA\112510\1125F027.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F027.D\ECD2B.CH
Acq On : 26 Nov 2010 2:18 am Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-69O | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:47 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

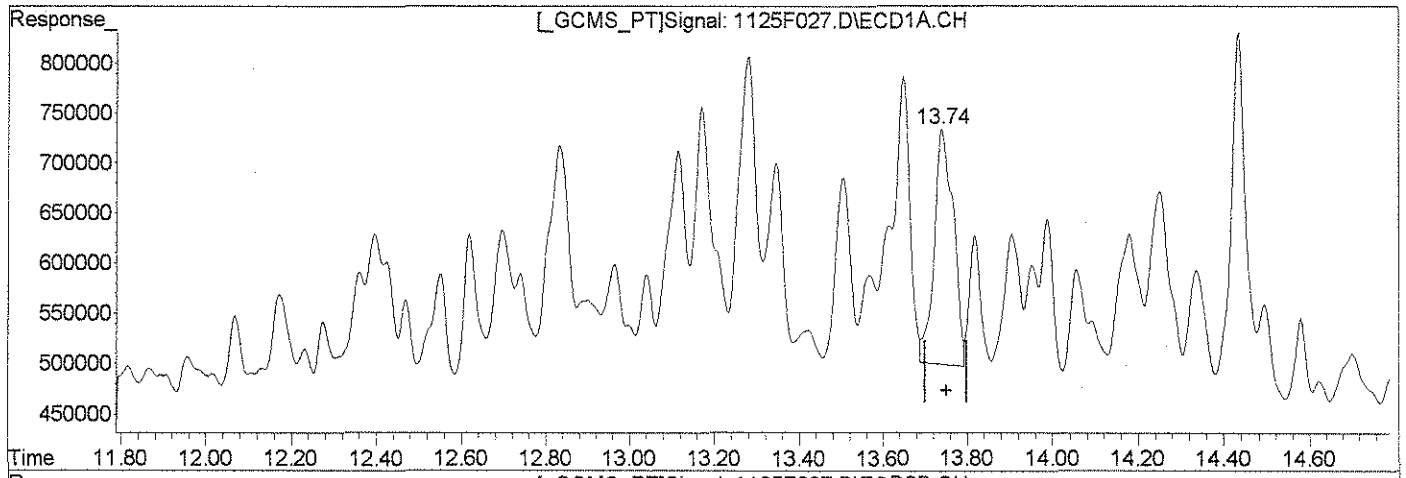


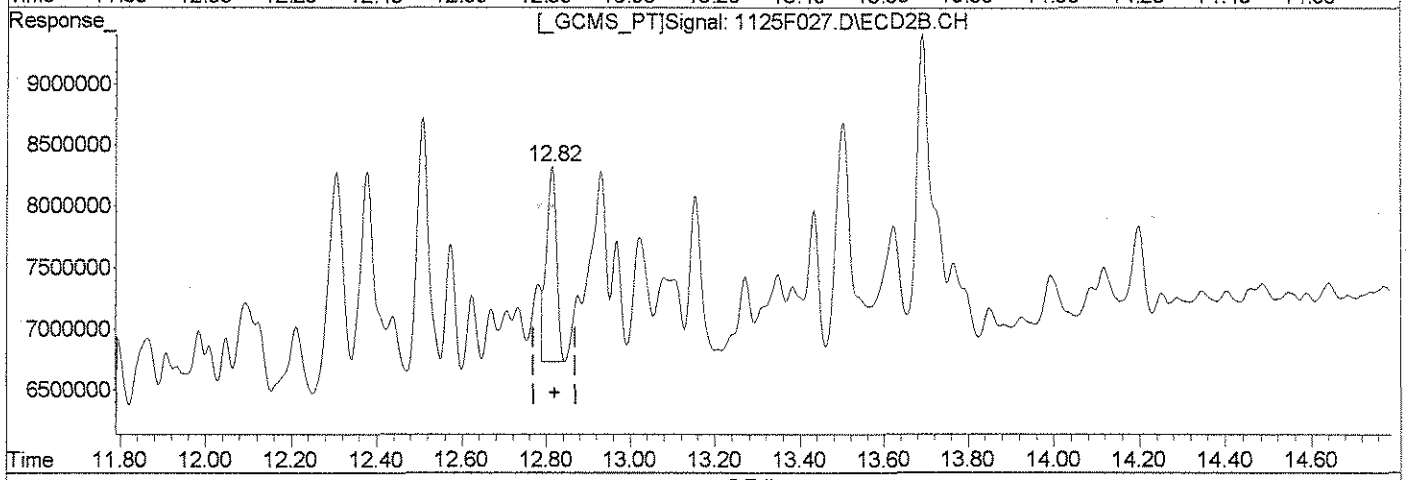


Quantitation Report (QedIt)

Signal #1 : J:\GC23\DATA\112510\1125F027.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F027.D\ECD2B.CH
Acq On : 26 Nov 2010 2:18 am Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-690 | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(30) Toxaphene {4}

13.74min 1290.791ug/L

response 744286

(30) Toxaphene {4} #2

12.82min 1026.569ug/L

response 2679364

Manual Integration:

Before

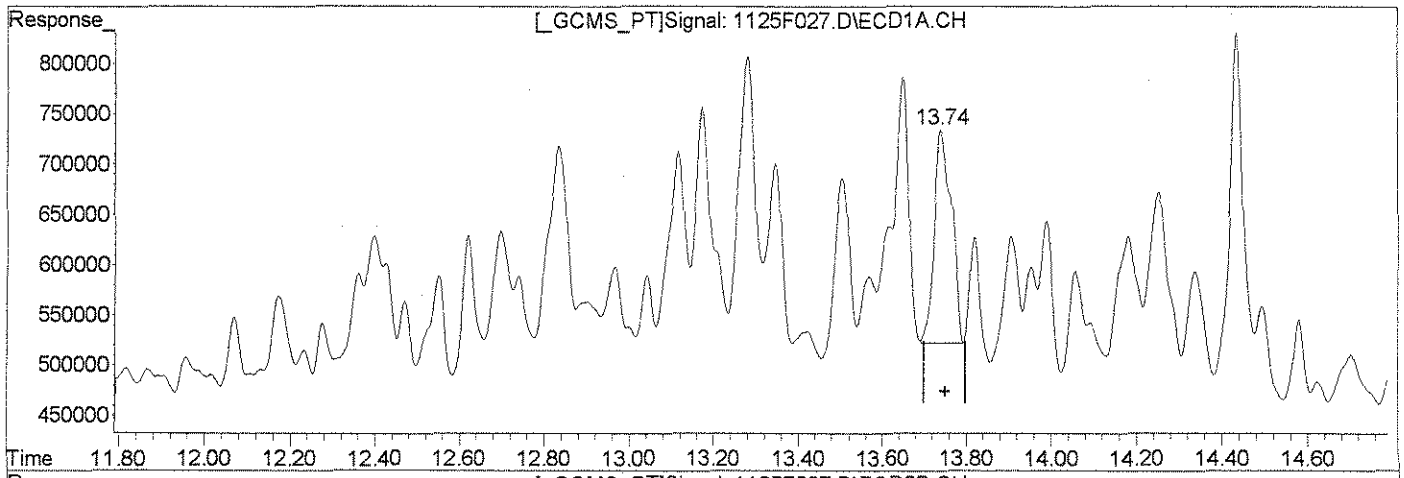
(+) = Expected Retention Time

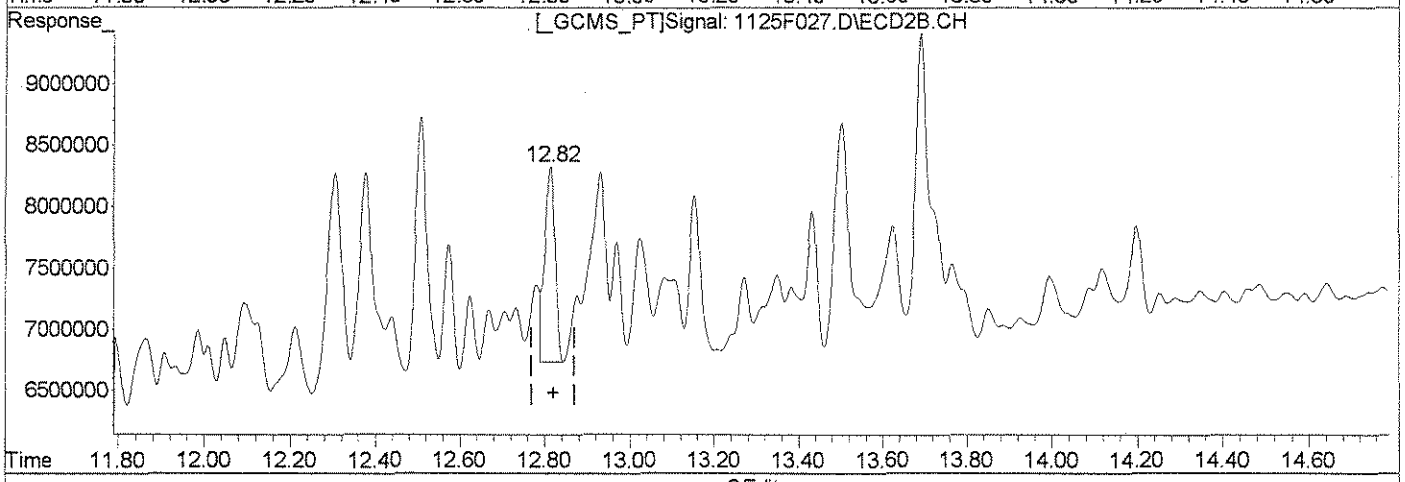
1125F027.D IS-GC23-101410-8081.M Fri Nov 26 11:46:32 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F027.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F027.D\ECD2B.CH
Acq On : 26 Nov 2010 2:18 am Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-690 | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(30) Toxaphene {4}

13.74min 1051.495ug/L m

response 606305

(30) Toxaphene {4} #2

12.82min 1026.569ug/L

response 2679364

Manual Integration:

After

Baseline/Shoulder

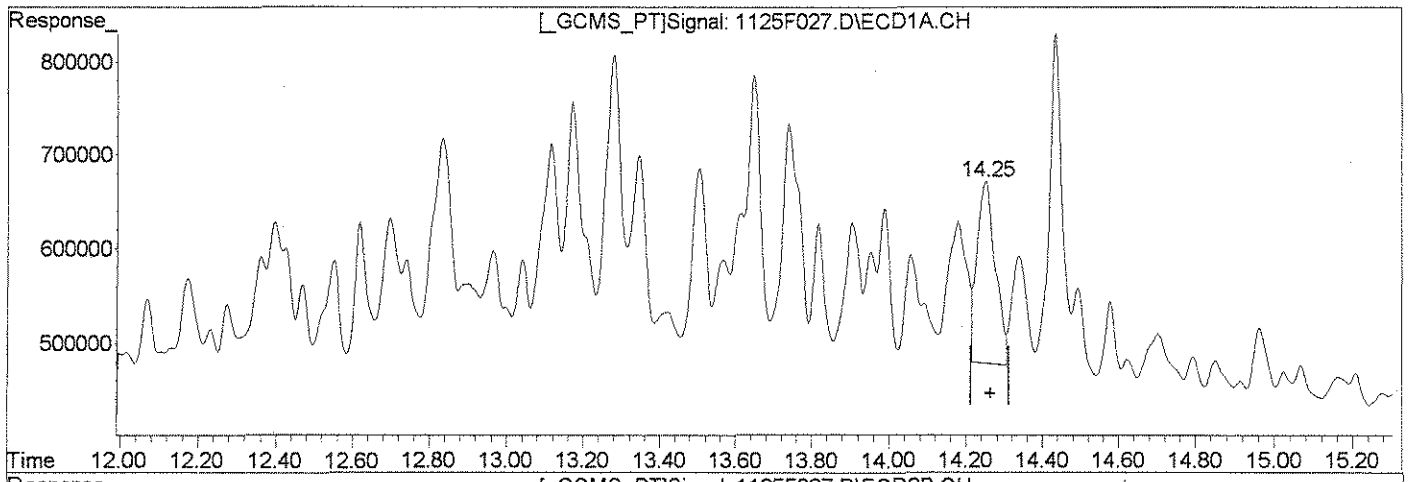
11/26/10

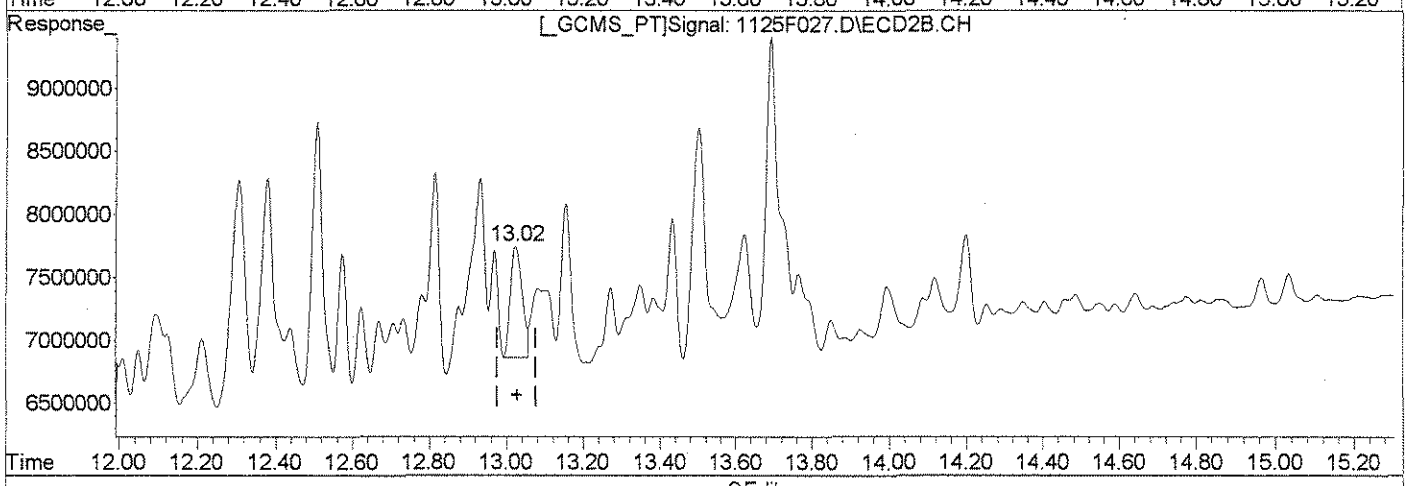
(+) = Expected Retention Time

1125F027.D IS-GC23-101410-8081.M Fri Nov 26 11:46:46 2010

Signal #1 : J:\GC23\DATA\112510\1125F027.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F027.D\ECD2B.CH
Acq On : 26 Nov 2010 2:18 am Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-690 | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(31) Toxaphene {5}

14.25min 1330.562ug/L

response 630252

(31) Toxaphene {5} #2

13.02min 1109.410ug/L

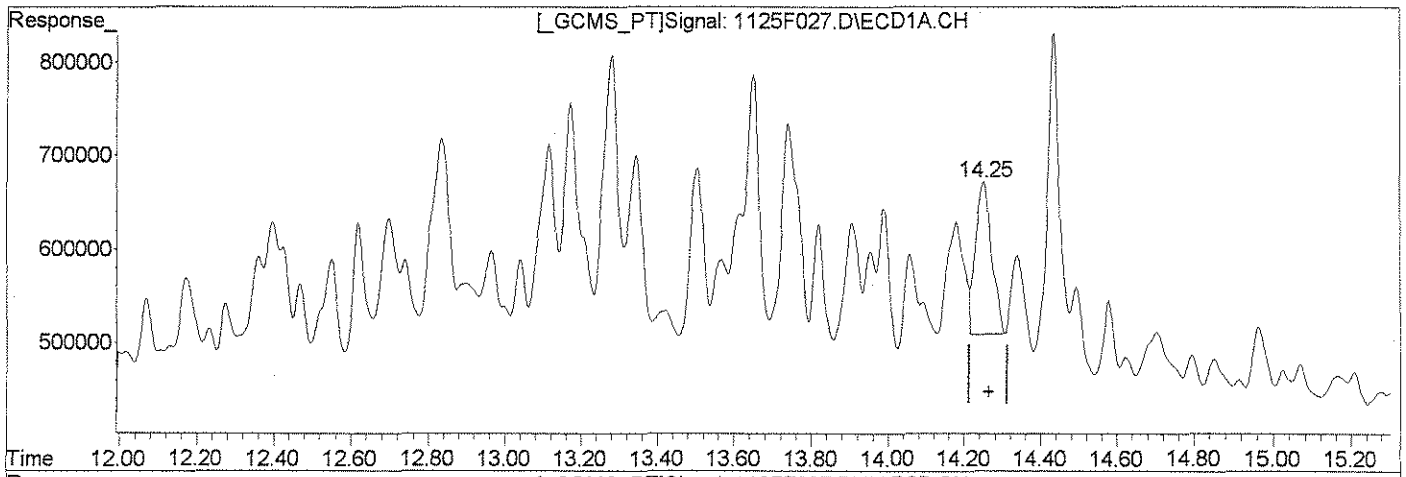
response 1870066

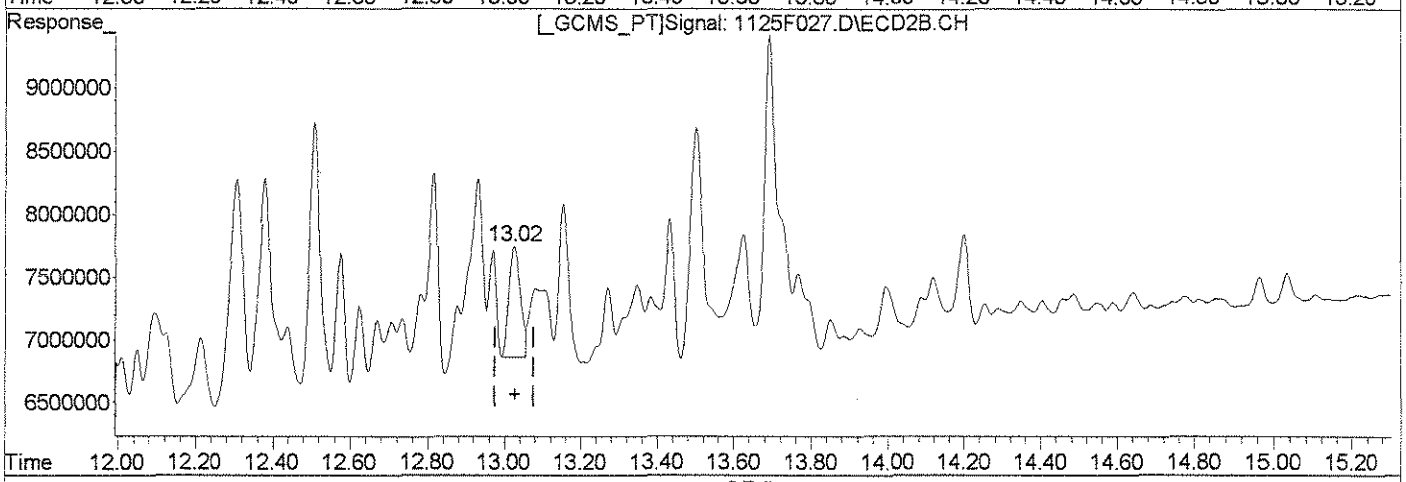
(+) = Expected Retention Time

1125F027.D IS-GC23-101410-8081.M Fri Nov 26 11:46:50 2010

Signal #1 : J:\GC23\DATA\112510\1125F027.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F027.D\ECD2B.CH
Acq On : 26 Nov 2010 2:18 am Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-69O | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(31) Toxaphene {5}

14.25min 988.430ug/L m

response 468193

(31) Toxaphene {5} #2

13.02min 1109.410ug/L

response 1870066

Manual Integration:

After

Baseline/Shoulder

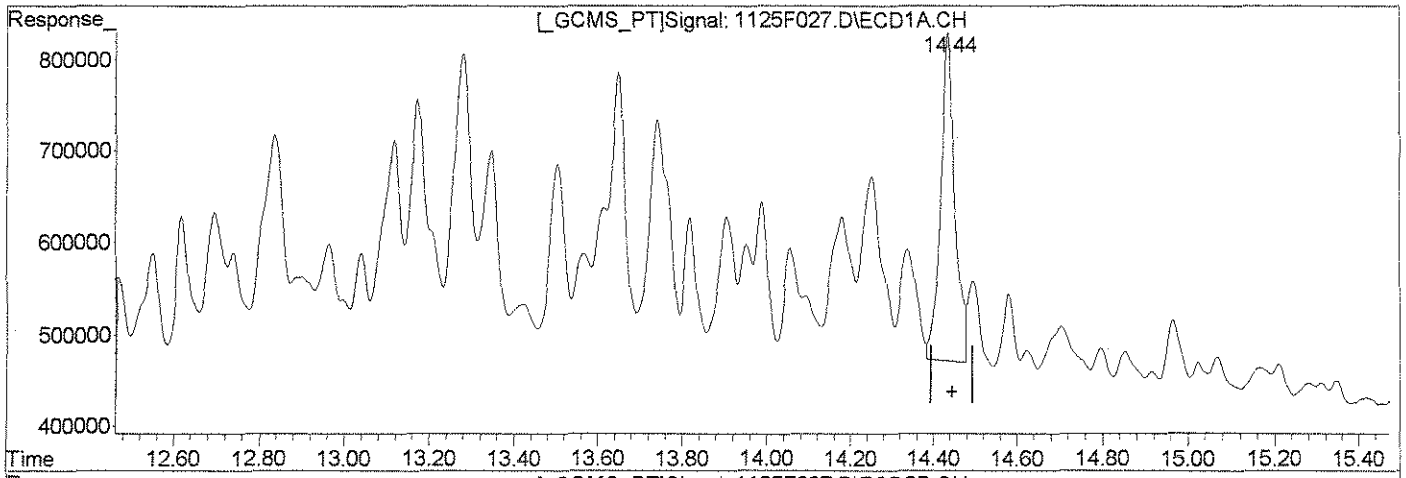
11/26/10

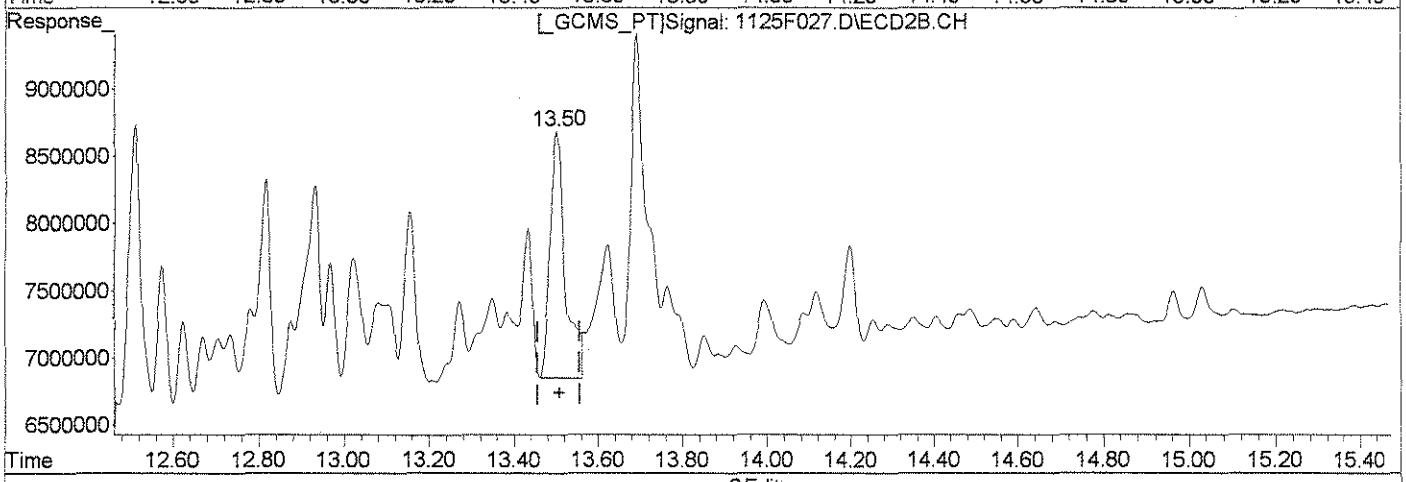
(+) = Expected Retention Time
1125F027.D IS-GC23-101410-8081.M Fri Nov 26 11:47:01 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F027.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F027.D\ECD2B.CH
Acq On : 26 Nov 2010 2:18 am Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-69O | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

Manual Integration:

Before

(32) Toxaphene {6}

14.44min 1134.208ug/L

response 850281

(32) Toxaphene {6} #2

13.50min 1162.673ug/L

response 4691048

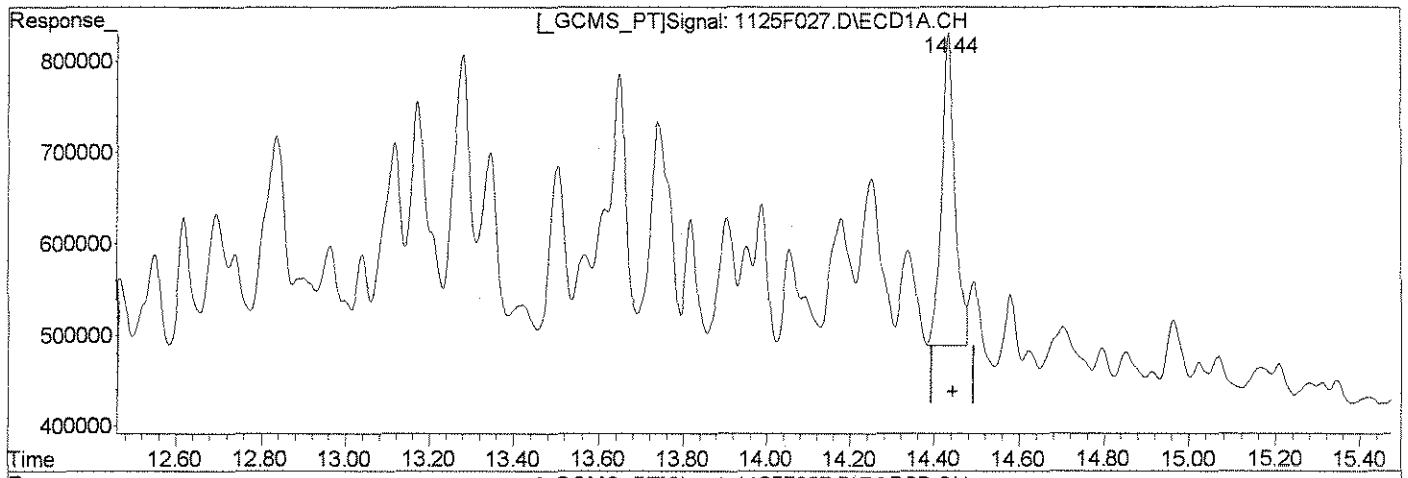
(+) = Expected Retention Time

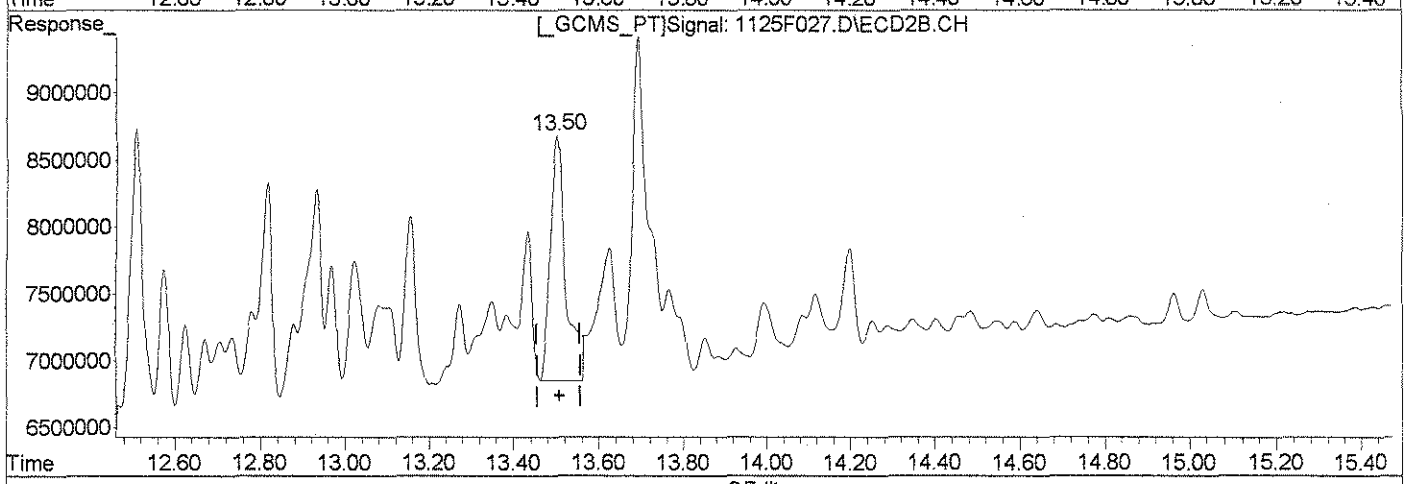
1125F027.D IS-GC23-101410-8081.M Fri Nov 26 11:47:05 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F027.D\ECD1A.CH Vial: 11
Signal #2 : J:\GC23\DATA\112510\1125F027.D\ECD2B.CH
Acq On : 26 Nov 2010 2:18 am Operator: CCotnam
Sample : TOX @ 1000ppb | GCPS6-690 | KWG1012938-6 Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





QEdit

(32) Toxaphene {6}

14.44min 1006.715ug/L m

response 754703

(32) Toxaphene {6} #2

13.50min 1162.673ug/L

response 4691048

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F027.D IS-GC23-101410-8081.M Fri Nov 26 11:47:18 2010

Exception Report

Data File: J:\GC23\DATA\112510\1125F028.D
Lab ID: KWG1012938-6
RunType: CCV
Matrix: MISC

Date Acquired: 11/26/2010 02:45
Date Quantitated: 11/26/2010 11:47
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	1039946.666	4159786.666	NL
	1-Bromo-2-nitrobenzene {2}	0	1049536.916	4198147.666	
	1-Bromo-2-nitrobenzene {4}	0	1072774.083	4291096.333	
	1-Bromo-2-nitrobenzene {5}	0	1069363	4277452	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F028.D\1125F028C.D	**Date Acquired:**	11/26/2010 02:45
Lab ID:	KWG1012938-6	**Date Quantitated:**	11/26/2010 11:47
RunType:	CCV	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	5313465.58	21253862.33	NA
	1-Bromo-2-nitrobenzene {2}	0	5304341.91	21217367.66	
	1-Bromo-2-nitrobenzene {4}	0	5435335.91	21741343.66	
	1-Bromo-2-nitrobenzene {5}	0	5394253.5	21577014	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	MISC
Prod Code:	8081A PEST_OC_L	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**		**Report Group:**	
Analysis Method:	8081A	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:		**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F028.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F028.D\1125F028c.d			**Vial:**	12
Acqu Date:	11/26/2010 02:45	**Quant Date:**	11/26/2010 11:47	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-6				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene			0d	0d	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76 -0.08	5.51 -0.06	1578361	11539316	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}			0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	0.00		0d	0d		0.0000			NR
				%Recovery =		NA	NA	Limits =	70-130	
1	Decachlorobiphenyl	0.00		0d	0d		0.0000			NR
				%Recovery =		NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000			NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000			
1	beta-BHC			0d	0d	0.0000	0.0000			NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000			NR
1	delta-BHC			0d	0d	0.0000	0.0000			NR
1	Heptachlor			0d	0d	0.0000	0.0000			NR
1	Aldrin			0d	0d	0.0000	0.0000			NR
1	Isodrin			0d	0d	0.0000	0.0000			
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000			NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F028.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F028.D\1125F028c.d			**Vial:**	12
Acqu Date:	11/26/2010 02:45	**Quant Date:**	11/26/2010 11:47	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-6				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:**

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000			NR
1	Endosulfan I			0d	0d	0.0000	0.0000			NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000			NR
1	Dieldrin			0d	0d	0.0000	0.0000			NR
1	4,4'-DDE			0d	0d	0.0000	0.0000			NR
1	Endrin			0d	0d	0.0000	0.0000			NR
1	Endosulfan II			0d	0d	0.0000	0.0000			NR
1	4,4'-DDD			0d	0d	0.0000	0.0000			NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000			NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000			NR
1	4,4'-DDT			0d	0d	0.0000	0.0000			NR
1	Endrin Ketone			0d	0d	0.0000	0.0000			NR
1	Methoxychlor			0d	0d	0.0000	0.0000			NR
	Toxaphene			0	0	0.0000	0.0000			NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000			
2	Toxaphene {2}			0d	0d	0.0000	0.0000			
2	Toxaphene {3}			0d	0d	0.0000	0.0000			
2	Toxaphene {4}			0d	0d	0.0000	0.0000			
2	Toxaphene {5}			0d	0d	0.0000	0.0000			
2	Toxaphene {6}			0d	0d	0.0000	0.0000			
	Chlordane			0	0	565.74	523.71			
3	Chlordane {1}	9.87	8.96	876960	5241048	555.36	516.21			
3	Chlordane {2}	10.21	9.24	1175660	7226002	554.69	542.89			
3	Chlordane {3}	10.76	10.94	810141	14671170	564.95	520.13			
3	Chlordane {4}	11.92	10.98	2651586	8417430	571.15	516.51			
3	Chlordane {5}	11.98	11.03	2061658	4273913	567.18	521.53			
3	Chlordane {6}	12.06	11.08	1431563	12292422	581.09	525.00			
5	2,4'-DDE			0d	0d	0.0000	0.0000			
5	2,4'-DDD			0d	0d	0.0000	0.0000			
5	2,4'-DDT			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Signal #1 : J:\GC23\DATA\112510\1125F028.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\112510\1125F028.D\ECD2B.CH
Acq On : 26 Nov 2010 2:45 am Operator: CCotnam
Sample : CHLOR @ 500ppb | GCPS6-69P | KWG1012938- Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:50 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

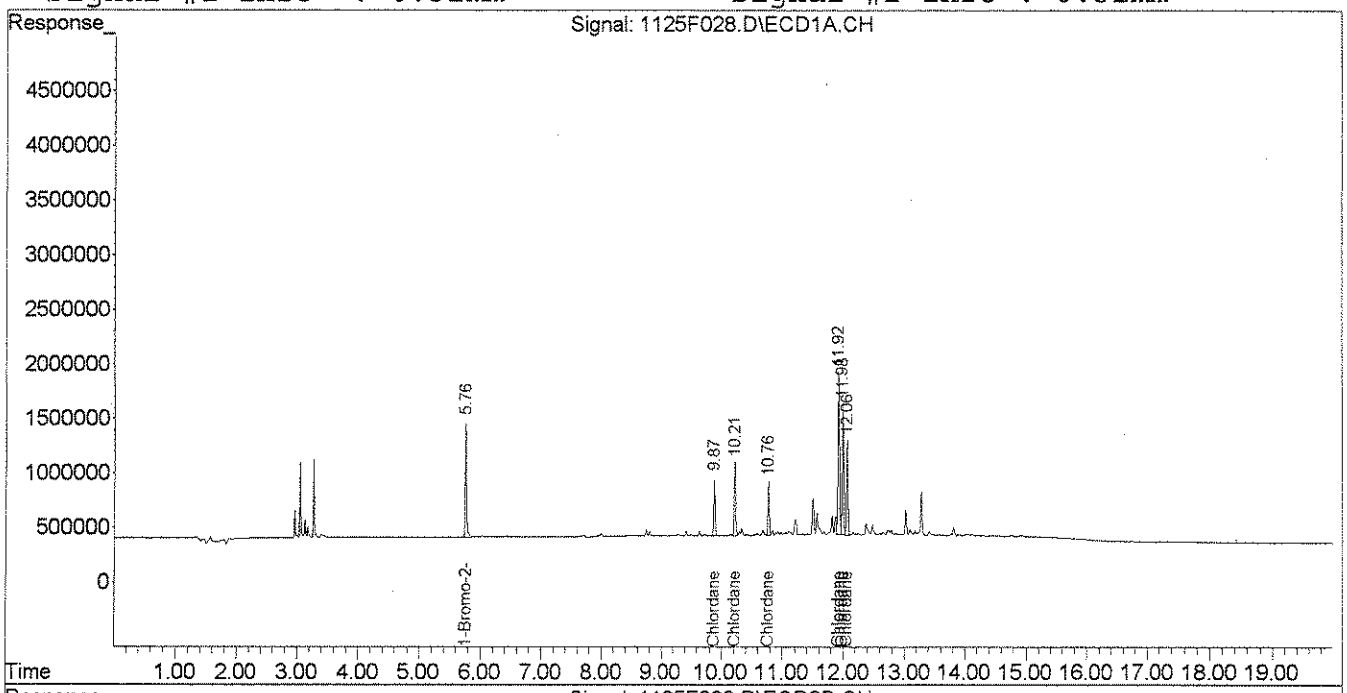
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
33)	1-Bromo-2-nitrob	5.76	5.51	1578361	11539316	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
34)	Chlordane	9.87	8.96	876960	5241048	555.358	516.214
35)	Chlordane {2}	10.21	9.24	1175660	7226002	554.692	542.885
36)	Chlordane {3}	10.76	10.94	810141	14671170	564.953	520.129
37)	Chlordane {4}	11.92	10.98	2651586	8417430	571.147	516.510
38)	Chlordane {5}	11.98	11.03	2061658	4273913	567.180	521.527
39)	Chlordane {6}	12.06	11.08	1431563	12292422	581.091	524.998

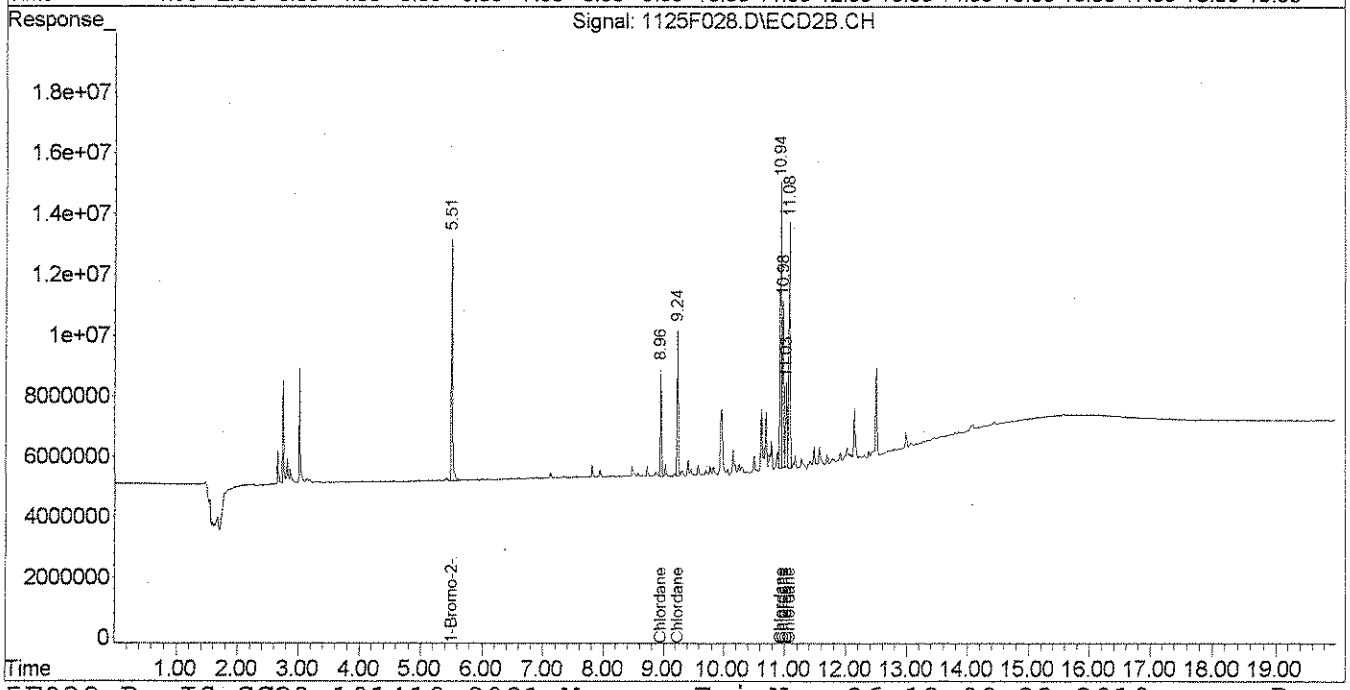
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : J:\GC23\DATA\112510\1125F028.D\ECD1A.CH Vial: 12
Signal #2 : J:\GC23\DATA\112510\1125F028.D\ECD2B.CH
Acq On : 26 Nov 2010 2:45 am Operator: CCotnam
Sample : CHLOR @ 500ppb | GCPS6-69P | KWG1012938- Inst : GC23
Misc : SEMIVOA GC\W1012937\6-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:47 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Organic Analysis:
Organochlorine Pesticides

Validation Package

Sample Prep and Screen Data

Preparation Information

Group ID:	KWG1012933	**Prep Method:**	EPA 3541	**Prep Date:**	11/22/10 00:00
Department:	Semivoa GC				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K1012914-001	SL0001	8081A PEST_OC	SEDIMENT	20.17g	10mL	
K1012914-002	SL0002	8081A PEST_OC	SEDIMENT	20.28g	10mL	
K1012914-009	SL0009	8081A PEST_OC	SEDIMENT	20.06g	10mL	
K1012914-010	SL0010	8081A PEST_OC	SEDIMENT	20.33g	10mL	
K1012914-016	SL0017	8081A PEST_OC	SEDIMENT	20.34g	10mL	
K1012914-017	SL0018	8081A PEST_OC	SEDIMENT	20.07g	10mL	
K1012914-018	SL0019	8081A PEST_OC	SEDIMENT	20.03g	10mL	
K1012914-019	SL0020	8081A PEST_OC	SEDIMENT	20.29g	10mL	
KWG1012933-1	Matrix Spike	8081A PEST_OC	SEDIMENT	20.13g	10mL	
KWG1012933-2	Duplicate Matrix Spike	8081A PEST_OC	SEDIMENT	20.02g	10mL	
KWG1012933-3	Matrix Spike	8081A PEST_OC	SEDIMENT	20.03g	10mL	
KWG1012933-4	Duplicate Matrix Spike	8081A PEST_OC	SEDIMENT	20.01g	10mL	
KWG1012933-5	Lab Control Sample	8081A PEST_OC	SEDIMENT	10.00g	10mL	
KWG1012933-6	Lab Control Sample	8081A PEST_OC	SEDIMENT	10.00g	10mL	
KWG1012933-7	Method Blank	8081A PEST_OC	SEDIMENT	20.34g	10mL	

Lab Code	Parent Lab Code	Comments
KWG1012933-1	K1012914-001	KQ1012862-01
KWG1012933-2	K1012914-001	KQ1012862-02
KWG1012933-3	K1012914-002	KQ1012862-04
KWG1012933-4	K1012914-002	KQ1012862-05
KWG1012933-5		KQ1012862-06
KWG1012933-6		KQ1012862-07
KWG1012933-7		KQ1012862-11

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K1012914-001	981912					ee
K1012914-002	981913					ee
K1012914-009	981914					ee
K1012914-010	981915					ee
K1012914-016	981916					ee
K1012914-017	981917					ee
K1012914-018	981918					ee
K1012914-019	981919					ee
KWG1012933-1	981920					ee

Comments:

Started By: dw Assisted By:

Completed By: km Assisted By:

Training: Yes No / Yes No

Reviewed By: CC Date: 11/29/10 Storage:

Chain of Custody

Relinquished By: km Date: 11-24-10

Received By: CC Date: 11/24/10

Extracts Examined: Yes No

Group ID:	KWG1012933	**Prep Method:**	EPA 3541	**Prep Date:**	11/22/10 00:00
Department:	Semivoa GC				

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
KWG1012933-2	981921					ee
KWG1012933-3	981922					ee
KWG1012933-4	981923					ee
KWG1012933-5	981924					ee
KWG1012933-6	981925					ee
KWG1012933-7	981926					ee

Comments:

Started By: dw Assisted By: Training Yes No

Completed By: km Assisted By: Yes No

Reviewed By: Date: 11/29/10 Storage:

Chain of Custody

Relinquished By: Date: 11-24-10

Received By: Date: 11/24/10 Extracts Examined Yes No

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124307 **Prep Workflow:** OrgExtS (14) **Status:** Prepped **Prep Date:** 11/22/2010 00:00
Team: Semivoa GC **Prep Method:** EPA 3541 **Current Step:** Final Volume **Due Date:** 11/23/2010
Analyst: dw **Rush/NPDES:** RUSH

Lab Code	Client ID	Bottle #	Target Amt	Initial Amt	Final Volume	TestNo List	Comments
K1012914-001	SL0001	.03	11.93 g	20.17 g	10 mL	PCB, PEST_OC	
K1012914-002	SL0002	.03	11.34 g	20.28 g	10 mL	PCB, PEST_OC	
K1012914-009	SL0009	.03	11.71 g	20.06 g	10 mL	PCB, PEST_OC	
K1012914-010	SL0010	.03	11.27 g	20.33 g	10 mL	PCB, PEST_OC	
K1012914-016	SL0017	.03	12.11 g	20.34 g	10 mL	PCB, PEST_OC	
K1012914-017	SL0018	.03	12.20 g	20.07 g	10 mL	PCB, PEST_OC	
K1012914-018	SL0019	.03	11.83 g	20.03 g	10 mL	PCB, PEST_OC	
K1012914-019	SL0020	.03	11.75 g	20.29 g	10 mL	PCB, PEST_OC	
K1012914-001: KQ1012862-01	Matrix Spike	.03	10.00 g	20.13 g	10 mL	PEST_OC	
K1012914-001: KQ1012862-02	Duplicate Matrix Spike	.03	10.00 g	20.02 g	10 mL	PEST_OC	
K1012914-002: KQ1012862-04	Matrix Spike	.03	10.00 g	20.03 g	10 mL	PEST_OC	
K1012914-002: KQ1012862-05	Duplicate Matrix Spike	.03	10.00 g	20.01 g	10 mL	PEST_OC	
KQ1012862-06	Lab Control Sample		10.00 g	10.00 g	10 mL	PEST_OC	
KQ1012862-07	Lab Control Sample		10.00 g	10.00 g	10 mL	PEST_OC	
K1012914-009: KQ1012862-08	Matrix Spike	.03	10.00 g	20.14 g	10 mL	PCB	
K1012914-009: KQ1012862-09	Duplicate Matrix Spike	.03	10.00 g	20.18 g	10 mL	PCB	
KQ1012862-10	Lab Control Sample		10.00 g	10.00 g	10 mL	PCB	
KQ1012862-11	Method Blank		10.00 g	20.34 g	10 mL	PCB, PEST_OC	

18 Total Samples consisting of 8 Client Samples, 6 Client QC Samples, 4 Batch QC Samples associated with the current Prep Run.

Spiking Solutions **Witness:** ee

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction	22-NOV-10 00:00	22-NOV-10 00:00	dw		N	
Final Volume	24-NOV-10 00:00	24-NOV-10 00:00	km		N	

Comments

Review

Reviewed by: CC Date: 11/29/10

Chain of Custody

Relinquished By: [illegible] Date: 11-24-10

Received By: [illegible] Date: 11/24/10

Extracts/Digestions Examined: Yes (circled) No

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124307 **Prep Workflow:** OrgExtS (14) **Status:** Draft **Prep Date:** 11/22/2010 12:45
Team: Semivoa GC **Prep Method:** EPA 3541 **Current Step:** Extraction **Due Date:** 11/22/2010
Analyst: DWood **Rush/NPDES:** RUSH

Lab Code	Client ID	Bottle #	✓	Target Amt	Initial Amount	Inter. Volume	Final Volume	Surr Amt	Spike Amt	TestNo List
K1012914-001	SL0001	.03	✓	10.00 g	20.17	20ml	10ml	500ul		PCB, PEST_OC
K1012914-002	SL0002	.03	✓	10.00 g	20.28					PCB, PEST_OC
K1012914-009	SL0009	.03	✓	10.00 g	20.06					PCB, PEST_OC
K1012914-010	SL0010	.03	✓	10.00 g	20.33					PCB, PEST_OC
K1012914-016	SL0017	.03	✓	10.00 g	20.34					PCB, PEST_OC
K1012914-017	SL0018	.03	✓	10.00 g	20.07					PCB, PEST_OC
K1012914-018	SL0019	.03	✓	10.00 g	20.03					PCB, PEST_OC
K1012914-019	SL0020	.03	✓	10.00 g	20.29					PCB, PEST_OC
K1012914-001: KQ1012862-01	Matrix Spike 81	.03		10.00 g	20.13				250ul	PEST_OC
K1012914-001: KQ1012862-02	Duplicate Matrix Spike ↓	.03		10.00 g	20.02				↓	PEST_OC
K1012914-002: KQ1012862-04	Matrix Spike T/C	.03		10.00 g	20.03				1mL	PEST_OC
K1012914-002: KQ1012862-05	Duplicate Matrix Spike ↓	.03		10.00 g	20.01				↓	PEST_OC
KQ1012862-06	Lab Control Sample 81			10.00 g	10.00				250ul	PEST_OC
KQ1012862-07	Lab Control Sample T/C			10.00 g	10.00				1mL	PEST_OC
K1012914-009: KQ1012862-08	Matrix Spike	.03		10.00 g	20.14				250ul	PCB
K1012914-009: KQ1012862-09	Duplicate Matrix Spike	.03		10.00 g	20.18					PCB
KQ1012862-10	Lab Control Sample			10.00 g	10.00				↓	PCB
KQ1012862-11	Method Blank			10.00 g	20.34	↓	↓	↓	NA	PCB, PEST_OC

18 Total Samples consisting of 8 Client Samples, 6 Client QC Samples, 4 Batch QC Samples associated with the current Prep Run.

Spiking Solutions **Witness:** Elissa Erickson 11-22-10

PCBS-67D 2ug/mL 500ul exp 5.1.11 / 81) GCPS6-74D 4ppm 250ul exp 11-24-10
T/C) GCPS6-68B 10ppm 1mL exp 2.4.11 / GCPS6-75B 10ppm 1mL exp 5.22.11
PCBS-67B 40ppm 250ul exp 5.1.11

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction						
Final Volume		11/24	Kn			

Comments

Final Volume Calculation

			Pest
Intermediate Volume before GPC:	10	mL	20
Aliquot taken from intermediate volume:	10	mL	8
Aliquot diluted up to....	10	mL	10
Volume Injected onto column:	5	mL	5
GPC'd Extract brought to the Final Volume of:	2	mL	2
Calculated True Final Volume:	4	mL	10

Operator Date and Initial: 11/23/10 dw

GPC RUNLOG

Run Date: 11/23/2010 Calibration Date: 11/22/2010

GPC #: 5 Program Number: PEST

Lab I.D.	Position	Test	Dilution	Comments
BLANK	1	pest	8 to 10	NA
k12862 mb	2	pest	8 to 10	na
k12863 mb	3	pest	8 to 10	na
k12862 lcs 81	4	pest	8 to 10	na
k12862 dlcs 81	5	pest	8 to 10	na
k12863 lcs 81	6	pest	8 to 10	na
12863 dlcs 81	7	pest	8 to 10	na
12862 lcs tc	8	pest	8 to 10	na
12862 dlcs tc	9	pest	8 to 10	na
12863 lcs tc	10	pest	8 to 10	na
12862 lcs pcb	11	pest	8 to 10	na
12862 dlcs pcb	12	pest	8 to 10	na
12863 lcs pcb	13	pest	8 to 10	na
12914-29	14	pest	8 to 10	na
12914-30	15	pest	8 to 10	na
12914-31	16	pest	8 to 10	na
k12804 mb	17	con	na	na
k12805 mb	18	con	na	na
k12804 lcs	19	con	na	na
k12804 dlcs	20	con	na	na
k12805 lcs	21	con	na	na
11598-1	22	con	na	na
11598-3	23	con	na	na
11598-5	24	con	na	na
11598-6	25	con	na	na
11598-8	26	con	na	na
11598-3 ms	27	con	na	na
11598-3 dms	28	con	na	na
	29			
	30			
	31			
	32			
	33			
	34			
	35			
	36			
	37			

GPC RUNLOG

Run Date: 11/23/2010 Calibration Date: 11/23/2010

GPC #: 4 Program Number: 2

Lab I.D.	Position	Test	Dilution	Comments
BLANK	1	PEST	8 to 10 ml	NA
12914-1	2	PEST	8 to 10 ml	NA
12914-2	3	PEST	8 to 10 ml	NA
12914-9	4	PEST	8 to 10 ml	NA
12914-10	5	PEST	8 to 10 ml	NA
12914-16	6	PEST	8 to 10 ml	NA
12914-17	7	PEST	8 to 10 ml	NA
12914-18	8	PEST	8 to 10 ml	NA
12914-19	9	PEST	8 to 10 ml	NA
12914-1 ms 81	10	PEST	8 to 10 ml	NA
12914-1 dms 81	11	PEST	8 to 10 ml	NA
12914-2 ms tc	12	PEST	8 to 10 ml	NA
12914-2 dms tc	13	PEST	8 to 10 ml	NA
12914-9 ms pcb	14	PEST	8 to 10 ml	NA
12914-9 dms pcb	15	PEST	8 to 10 ml	NA
	16			
	17			
	18			
	19			
	20			
	21			
	22			
	23			

Final Volume Calculation

Intermediate Volume before GPC: 20 mL

Aliquot taken from intermediate volume: 8 mL

Aliquot diluted up to.... 10 mL

Volume injected onto column: 5 mL

GPC'd Extract brought to the Final Volume of: 2 mL

Calculated True Final Volume: 10 mL

Operator Date and Initial: 11/23/10 dw

Service Request # K1012914 Work Group # Pest: KQ1012862

PCB:

Extraction (3541):

Sulfate Lot # BA0921/BG1010 Matrix Sand Lot # 010410

DCM Lot # DC191

Soxtherm Start (Time/Date/Initial): 2135/ 11-22-10/DW

Soxtherm Stop (Time/Date/Initial): 0945/ 11-23-10/DW

Clean-ups:

GPC Clean-up (3640): 11-23-10 DW (Initial/Date)

Solvent Exchanged To Hexane (Initial/Date): 11-24-10 Km/DW S-Evap Temp: 75°C

Hexane Lot # 50246 N-Evap Temp: 35°C

Carbon Clean-up: 11-24-10 Km 4:1 Hexane/DCM Lot # Ext-002-27N

Florisil Clean-up (3620): — Florisil Lot # —

1:1 Hexane/Acetone Lot # — 9:1 Hexane/Acetone Lot # —

Sulfuric Acid Clean-up (3665) 11-24-10 Km Sulfuric Acid Lot # 49296

Sulfur Clean-up (3660M): — Mercury Lot # —

Pesticide Vials: Yellow Vial Storage: Smale, A1-B5

PCB Vials: Green Vial Storage: Calvin D1-E2

Archived Extract Storage: Archived

Comments/Observations:

Bench Sheet Review Check List

- ☐ Hold Times Met (If no, Reason:)
- ☐ Prep date, dept, method, product code correct in stealth
- ☐ Spike Information correct
- ☐ Weights/Volumes and units correct on raw and final bench sheets
- ☐ Sample IDs have been checked—Bottle numbers appended if required
- ☐ Names present for: Started by, Completed by, relinquished by, and witnessed by.
- ☐ Training has been circled
- ☐ Extract Storage recorded
- ☐ Additional Prep Sheet completely filled out (NA or line out Blanks)
- ☐ All clean-ups have been noted on additional prep sheet
- ☐ Signed service request with Form V, if applicable, has been attached

S:\G:\Additional Prep Info Sheets\2009 Revisions\Additional Prep InformationPestPCBLowLevelSoilRE.doc

Preparation Information

Group ID:	KWG1012935	**Prep Method:**	EPA 3541	**Prep Date:**	11/22/10 00:00
Department:	Semivoa GC				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K1012914-029	FW0001	8081A PEST_OC	WIPE	1ug/ W PC	10mL	
K1012914-030	FW0002	8081A PEST_OC	WIPE	1ug/	10mL	
K1012914-031	FW0003	8081A PEST_OC	WIPE	1ug/	10mL	
KWG1012935-1	Method Blank	8081A PEST_OC	WIPE	1ug/	10mL	
KWG1012935-2	Lab Control Sample	8081A PEST_OC	WIPE	1ug/	10mL	
KWG1012935-3	Duplicate Lab Control Sampl	8081A PEST_OC	WIPE	1ug/	10mL	
KWG1012935-4	Lab Control Sample	8081A PEST_OC	WIPE	1ug/	10mL	
KWG1012935-5	Duplicate Lab Control Sampl	8081A PEST_OC	WIPE	1ug/	10mL	

a

Lab Code	Parent Lab Code	Comments
KWG1012935-1		KQ1012863-04
KWG1012935-2		KQ1012863-05
KWG1012935-3		KQ1012863-06
KWG1012935-4		KQ1012863-07
KWG1012935-5		KQ1012863-08

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K1012914-029	981939					ee
K1012914-030	981940					ee
K1012914-031	981941					ee
KWG1012935-1	981942					ee
KWG1012935-2	981943					ee
KWG1012935-3	981944					ee
KWG1012935-4	981945					ee
KWG1012935-5	981946					ee

Comments:

Started By: dw Assisted By: Training Yes No

Completed By: km Assisted By: Yes No

Reviewed By: Date: 11/29/10 Storage:

Chain of Custody

Relinquished By: Date: 11-24-10

Received By: Date: 11/24/10 Extracts Examined Yes No

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124308 **Prep Workflow**: OrgExtS (14) **Status**: Prepped **Prep Date**: 11/22/2010 00:00
Team: Semivoa GC **Prep Method**: EPA 3541 **Current Step**: Final Volume **Due Date**: 11/23/2010
Analyst: dw **Rush/NPDES**: RUSH

Lab Code	Client ID	Bottle #	Target Amt	Initial Amt	Final Volume	TestNo List	Comments
K1012914-029	FW0001	.02	10.00 g	1 ug/WIPE	10 mL	PCB, PEST_OC	
K1012914-030	FW0002	.03	10.00 g	1 ug/WIPE	10 mL	PCB, PEST_OC	
K1012914-031	FW0003	.06	10.00 g	1 ug/WIPE	10 mL	PCB, PEST_OC	
KQ1012863-04	Method Blank		10.00 g	1 ug/WIPE	10 mL	PCB, PEST_OC	
KQ1012863-05	Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PEST_OC	
KQ1012863-06	Duplicate Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PEST_OC	
KQ1012863-07	Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PEST_OC	
KQ1012863-08	Duplicate Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PEST_OC	
KQ1012863-09	Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PCB	
KQ1012863-10	Duplicate Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PCB	

10 Total Samples consisting of 3 Client Samples, 0 Client QC Samples, 7 Batch QC Samples associated with the current Prep Run.

Spiking Solutions **Witness**: ee

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction	22-NOV-10 00:00	22-NOV-10 00:00	dw		N	
Final Volume	24-NOV-10 00:00	24-NOV-10 00:00	km		N	

Comments

Review

Reviewed by: _____ Date: _____

Chain of Custody

Relinquished By: _____ Date: 11-24-10 Extracts/Digestions Examined Yes No

Received By: _____ Date: 11/24/10

Columbia Analytical Services- **Preparation Information Benchsheet**

Prep Run: 124308 **Prep Workflow**: OrgExtS (14) **Status**: Draft **Prep Date**: 11/22/2010 12:56
Team: Semivoa GC **Current Step**: Extraction
Prep Method: EPA 3541 **Due Date**: 11/22/2010
Analyst: DWood **Rush/NPDES**: RUSH

Lab Code	Client ID	Bottle #	✓	Target Amt	Initial Amount	Inter. Volume	Final Volume	Surr Amt	Spike Amt	TestNo List
K1012914-029	FW0001	.02		10.00 g	1w	20 ml	10 ml	500 ul	NA	PCB, PEST_OC
K1012914-030	FW0002	.03		10.00 g						PCB, PEST_OC
K1012914-031	FW0003	.06		10.00 g						PCB, PEST_OC
KQ1012863-04	Method Blank ~~81~~			10.00 g						PCB, PEST_OC
KQ1012863-05	Lab Control Sample 81			10.00 g					250 ul	PEST_OC
KQ1012863-06	Duplicate Lab Control Sample			10.00 g						PEST_OC
KQ1012863-07	Lab Control Sample T/C			10.00 g					1 mL	PEST_OC
KQ1012863-08	Duplicate Lab Control Sample			10.00 g						PEST_OC
KQ1012863-09	Lab Control Sample			10.00 g					250 ul	PCB
KQ1012863-10	Duplicate Lab Control Sample			10.00 g						PCB

10 Total Samples consisting of 3 Client Samples, 0 Client QC Samples, 7 Batch QC Samples associated with the current Prep Run.

Spiking Solutions **Witness**: Elissa Erickson 11-22-10

PCB5-67D 2ug/mL 500ul exp 5-1-11 / 81) GCPS6-74D 4ppM 250ul exp 11-24-10
+1c) GCPS6-68B 10ppm 1mL exp 2-4-11 / GCPS6-75B 10ppM 1mL exp 5-22-11
PCB5-67B 40ppm 250ul exp 5-1-11

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction						
Final Volume		11/24	K			

Comments

GPC RUNLOG

Run Date: 11/23/2010 Calibration Date: 11/22/2010

GPC #: 5 Program Number: PEST

Lab I.D.	Position	Test	Dilution	Comments
BLANK	1	pest	8 to 10	NA
k12862 mb	2	pest	8 to 10	na
k12863 mb	3	pest	8 to 10	na
k12862 lcs 81	4	pest	8 to 10	na
k12862 dlcs 81	5	pest	8 to 10	na
k12863 lcs 81	6	pest	8 to 10	na
12863 dlcs 81	7	pest	8 to 10	na
12862 lcs tc	8	pest	8 to 10	na
12862 dlcs tc	9	pest	8 to 10	na
12863 lcs tc	10	pest	8 to 10	na
12862 lcs pcb	11	pest	8 to 10	na
12862 dlcs pcb	12	pest	8 to 10	na
12863 lcs pcb	13	pest	8 to 10	na
12914-29	14	pest	8 to 10	na
12914-30	15	pest	8 to 10	na
12914-31	16	pest	8 to 10	na
k12804 mb	17	con	na	na
k12805 mb	18	con	na	na
k12804 lcs	19	con	na	na
k12804 dlcs	20	con	na	na
k12805 lcs	21	con	na	na
11598-1	22	con	na	na
11598-3	23	con	na	na
11598-5	24	con	na	na
11598-6	25	con	na	na
11598-8	26	con	na	na
11598-3 ms	27	con	na	na
11598-3 dms	28	con	na	na
	29			
	30			
	31			
	32			
	33			
	34			
	35			
	36			
	37			

Final Volume Calculation

			Pest
Intermediate Volume before GPC:	10	mL	20
Aliquot taken from intermediate volume:	10	mL	8
Aliquot diluted up to....	10	mL	10
Volume Injected onto column:	5	mL	5
GPC'd Extract brought to the Final Volume of:	2	mL	2
Calculated True Final Volume:	4	mL	10

Operator Date and Initial: 11/23/10 dw

Service Request # K1012914 Work Group # Pest: KQ1012863

PCB: _____

Extraction (3541):

Sulfate Lot # BG1010 | BA0921 Matrix Sand Lot # 01041O

DCM Lot # DC191

Soxtherm Start (Time/Date/Initial): 2135 | 11-22-10 | DW

Soxtherm Stop (Time/Date/Initial): 0950 | 11-23-10 | DW

Clean-ups:

GPC Clean-up (3640): 11-23-10 DW (Initial/Date)

Solvent Exchanged To Hexane (Initial/Date): 11-24-10 km/DW S-Evap Temp: 75°C

Hexane Lot # 50246 N-Evap Temp: 35°C

Carbon Clean-up: — 4:1 Hexane/DCM Lot # _____

Florisil Clean-up (3620): — Florisil Lot # _____

1:1 Hexane/Acetone Lot # — 9:1 Hexane/Acetone Lot # _____

Sulfuric Acid Clean-up (3665): 11-24-10 km Sulfuric Acid Lot # 49296

Sulfur Clean-up (3660M): — Mercury Lot # —

Pesticide Vials: Yellow Vial Storage: Smile E1-8

PCB Vials: Green Vial Storage: Calvin F1-6

Archived Extract Storage: Archived

Comments/Observations: _____

Bench Sheet Review Check List

- ☐ Hold Times Met (if no, Reason: _____)
- ☐ Prep date, dept, method, product code correct in stealth
- ☐ Spike Information correct
- ☐ Weights/Volumes and units correct on raw and final bench sheets
- ☐ Sample IDs have been checked—Bottle numbers appended if required
- ☐ Names present for: Started by, Completed by, relinquished by, and witnessed by.
- ☐ Training has been circled
- ☐ Extract Storage recorded
- ☐ Additional Prep Sheet completely filled out (NA or line out Blanks)
- ☐ All clean-ups have been noted on additional prep sheet
- ☐ Signed service request with Form V, if applicable, has been attached

:SVG:Additional Prep Info Sheets\2009 Revisions\Additional Prep InformationPestPCBLowLevelSoilR.E.doc

Exception Report

Data File: J:\GC23\DATA\112510\1125F002.D
Lab ID: KWG1012938-1
RunType: IB
Matrix: MISC

Date Acquired: 11/25/2010 15:07
Date Quantitated: 11/26/2010 11:10
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F002.D\1125F002C.D	**Date Acquired:**	11/25/2010 15:07
Lab ID:	KWG1012938-1	**Date Quantitated:**	11/26/2010 11:10
RunType:	IB	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	GA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	MISC
Prod Code:	8081A PEST_OC_L	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**		**Report Group:**	
Analysis Method:	8081A	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:		**Method ID:**	MJ1016
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F002.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F002.D\1125F002c.d			**Vial:**	8
Acqu Date:	11/25/2010 15:07	**Quant Date:**	11/26/2010 11:10	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-1				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	c	5.51	c	1575259	11497062	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76	c	5.51	c	1575259	11497062	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76	c	5.51	c	1575259	11497062	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}					0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}					0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	0.00		0	0		0.0000			NA
				%Recovery =		NA	NA	Limits =	21-112	
1	Decachlorobiphenyl	0.00		0	0		0.0000			NA
				%Recovery =		NA	NA	Limits =	15-130	

Target Compounds

Final Conc. Units:

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	alpha-BHC			0	0	0.0000	0.0000			
1	Hexachlorobenzene			0	0	0.0000	0.0000			
1	beta-BHC			0	0	0.0000	0.0000			
1	gamma-BHC (Lindane)			0	0	0.0000	0.0000			
1	delta-BHC			0	0	0.0000	0.0000			
1	Heptachlor			0	0	0.0000	0.0000			
1	Aldrin			0	0	0.0000	0.0000			
1	Isodrin			0	0	0.0000	0.0000			
1	Heptachlor Epoxide			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F002.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F002.D\1125F002c.d			**Vial:**	8
Acqu Date:	11/25/2010 15:07	**Quant Date:**	11/26/2010 11:10	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-1				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:**

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/Kg #1	ug/Kg #2	Rpt
1	gamma-Chlordane			0	0d	0.0000	0.0000			
1	Endosulfan I			0	0d	0.0000	0.0000			
1	alpha-Chlordane			0	0d	0.0000	0.0000			
1	Dieldrin			0	0d	0.0000	0.0000			
1	4,4'-DDE			0	0d	0.0000	0.0000			
1	Endrin			0	0d	0.0000	0.0000			
1	Endosulfan II			0	0d	0.0000	0.0000			
1	4,4'-DDD			0	0d	0.0000	0.0000			
1	Endrin Aldehyde			0	0d	0.0000	0.0000			
1	Endosulfan Sulfate			0	0d	0.0000	0.0000			
1	4,4'-DDT			0	0d	0.0000	0.0000			
1	Endrin Ketone			0	0d	0.0000	0.0000			
1	Methoxychlor			0	0d	0.0000	0.0000			
	Toxaphene			0	0	0.0000	0.0000			
2	Toxaphene {1}			0	0d	0.0000	0.0000			
2	Toxaphene {2}			0	0	0.0000	0.0000			
2	Toxaphene {3}			0	0d	0.0000	0.0000			
2	Toxaphene {4}			0	0d	0.0000	0.0000			
2	Toxaphene {5}			0	0d	0.0000	0.0000			
2	Toxaphene {6}			0	0d	0.0000	0.0000			
	Chlordane			0	0	0.0000	0.0000			
3	Chlordane {1}			0	0	0.0000	0.0000			
3	Chlordane {2}			0	0	0.0000	0.0000			
3	Chlordane {3}			0	0d	0.0000	0.0000			
3	Chlordane {4}			0	0d	0.0000	0.0000			
3	Chlordane {5}			0	0	0.0000	0.0000			
3	Chlordane {6}			0	0d	0.0000	0.0000			
4	Chlorpyrifos			0d	0d	0.0000	0.0000			
4	Oxychlordane			0d	0d	0.0000	0.0000			
4	cis-Nonachlor			0d	0d	0.0000	0.0000			
4	trans-Nonachlor			0d	0d	0.0000	0.0000			
4	Mirex			0d	0d	0.0000	0.0000			
4	Hexachloroethane			0d	0d	0.0000	0.0000			
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000			
5	2,4'-DDE			0d	0d	0.0000	0.0000			
5	2,4'-DDD			0d	0d	0.0000	0.0000			
5	2,4'-DDT			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F002.D\ECD1A.CH Vial: 8
Signal #2 : J:\GC23\DATA\112510\1125F002.D\ECD2B.CH
Acq On : 25 Nov 2010 3:07 pm Operator: CCotnam
Sample : KWG1012938-1 | IB | 8081A PEST_OC_LL Inst : GC23
Misc : SEMIVOA GC\W1012937\1-IB.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:22 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
1) i	1-Bromo-2-nitrob	5.76	5.51	1575259	11497062	50.000	50.000
26)	1-Bromo-2-nitrob	5.76	5.51	1575259	11497062	50.000	50.000
33)	1-Bromo-2-nitrob	5.76	5.51	1575259	11497062	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						

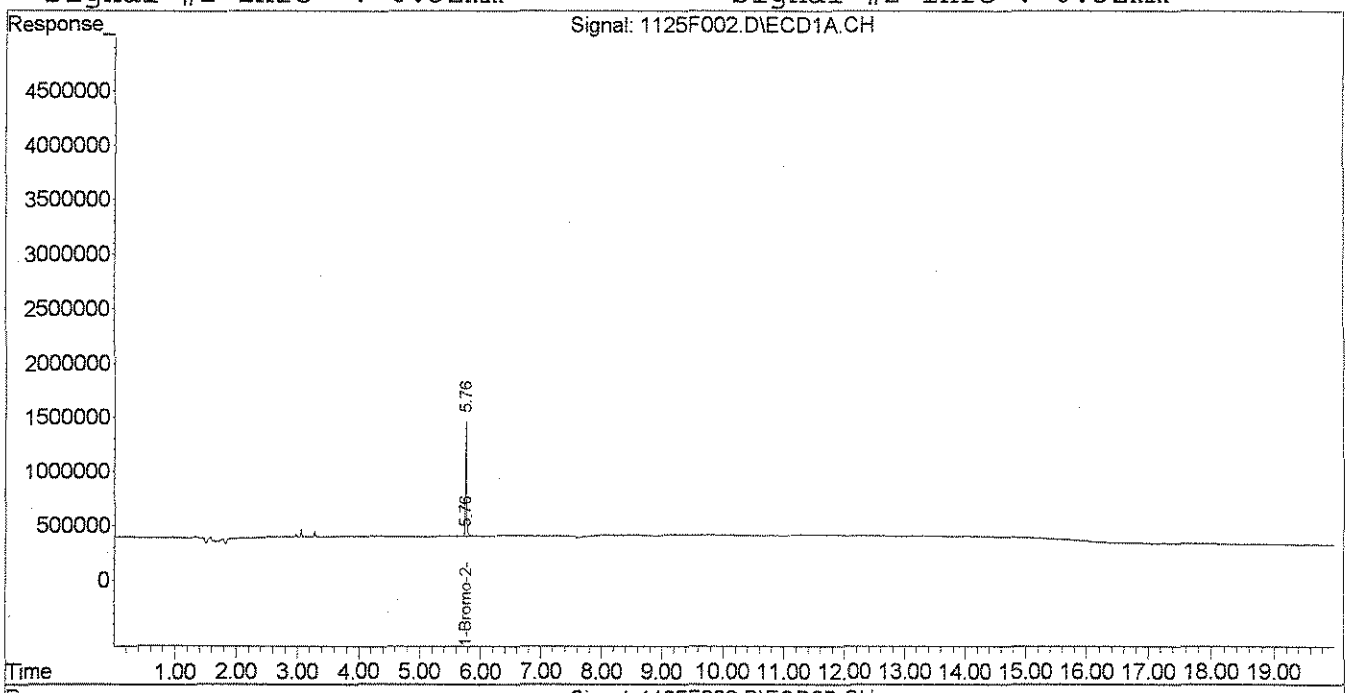
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

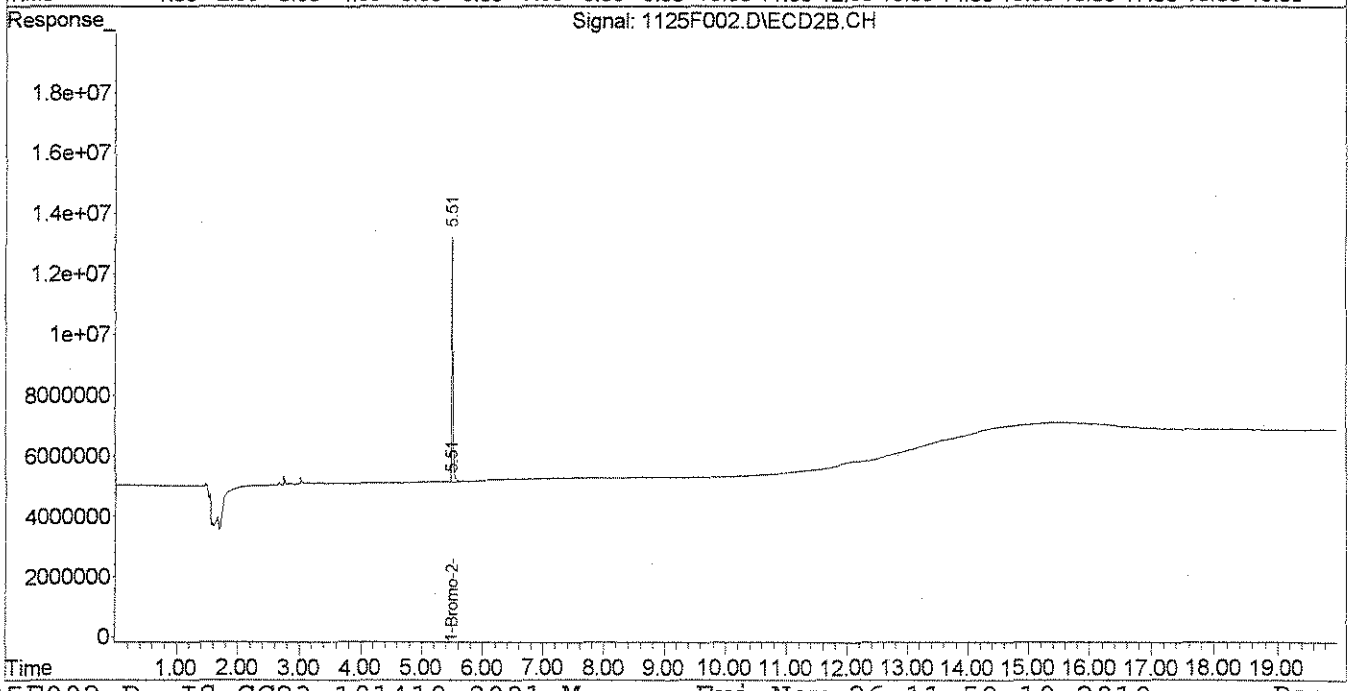
Quantitation Report (Not Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F002.D\ECD1A.CH Vial: 8
Signal #2 : J:\GC23\DATA\112510\1125F002.D\ECD2B.CH
Acq On : 25 Nov 2010 3:07 pm Operator: CCotnam
Sample : KWG1012938-1 | IB | 8081A PEST_OC_LL Inst : GC23
Misc : SEMIVOA GC\W1012937\1-IB.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:10 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Exception Report

Data File: J:\GC23\DATA\112510\1125F003.D
Lab ID: KWG1012938-2
RunType: PEM
Matrix: MISC

Date Acquired: 11/25/2010 15:34
Date Quantitated: 11/26/2010 11:10
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Pesticide Breakdown	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Exception Report

Data File: J:\GC23\DATA\112510\1125F003.D\1125F003C.D
Lab ID: KWG1012938-2
RunType: PEM
Matrix: MISC

Date Acquired: 11/25/2010 15:34
Date Quantitated: 11/26/2010 11:10
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Pesticide Breakdown	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/30/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	MISC
Prod Code:	8081A PEST_OC_L	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**		**Report Group:**	
Analysis Method:	8081A	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ10274
MB Ref:		**Method ID:**	MJ1016
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F003.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F003.D\1125F003c.d			**Vial:**	9
Acqu Date:	11/25/2010 15:34	**Quant Date:**	11/26/2010 11:10	**Dilution:**	1.0
Run Type:	PEM			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-2				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

BreakDown Results

Parameter Name	Resp #1	Respe #2	Percent Breakdown #1	Percent Breakdown #1
Tetrachloro-m-xylene	0d	0d		
Decachlorobiphenyl	0d	0d		
alpha-BHC	0d	0d		
beta-BHC	0d	0d		
gamma-BHC (Lindane)	0d	0d		
delta-BHC	0d	0d		
Heptachlor	0d	0d		
Aldrin	0d	0d		
Heptachlor Epoxide	0d	0d		
gamma-Chlordane	0d	0d		
Endosulfan I	0d	0d		
alpha-Chlordane	0d	0d		
Dieldrin	0d	0d		
4,4'-DDE	65210	501332		
Endrin	1671206	11951393	5.2	5.1
Endosulfan II	0d	0d		
4,4'-DDD	145536	984567		
Endrin Aldehyde	40035	320341		
Endosulfan Sulfate	0d	0d		
4,4'-DDT	2850152	20446055	6.9	6.8
Endrin Ketone	50768	318979m		
Methoxychlor	0d	0d		
Toxaphene {1}	0d	0d		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F003.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F003.D\1125F003c.d			**Vial:**	9
Acqu Date:	11/25/2010 15:34	**Quant Date:**	11/26/2010 11:10	**Dilution:**	1.0
Run Type:	PEM			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-2				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Toxaphene {2}	0d	0d
Toxaphene {3}	0d	0d
Toxaphene {4}	0d	0d
Toxaphene {5}	0d	0d
Toxaphene {6}	0d	0d
Toxaphene	0	0
Chlordane {1}	0d	0d
Chlordane {2}	0d	0d
Chlordane {3}	0d	0d
Chlordane {4}	0d	0d
Chlordane {5}	0d	0d
Chlordane {6}	0d	0d
Chlordane	0	0
1-Bromo-2-nitrobenzene	1572951	11185469
1-Bromo-2-nitrobenzene {2}	0d	0d
1-Bromo-2-nitrobenzene {3}	0d	0d

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F003.D\ECD1A.CH Vial: 9
Signal #2 : J:\GC23\DATA\112510\1125F003.D\ECD2B.CH
Acq On : 25 Nov 2010 3:34 pm Operator: CCotnam
Sample : PEM @ 50-100ppb | GCPS6-69S | KWG1012938 Inst : GC23
Misc : SEMIVOA GC\W1012937\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:23 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
	Internal Standards						
1) i	1-Bromo-2-nitrob	5.76	5.51	1572951	11185469	50.000	50.000
	System Monitoring Compounds						
	Target Compounds						
16)	4,4'-DDE	12.24	11.41	65210	501332	1.703	1.936
17)	Endrin	12.78	12.06	1671206	11951393	44.976	47.637
19)	4,4'-DDD	13.02	12.27	145536	984567	4.313	4.437
20)	Endrin Aldehyde	13.35	12.81	40035	320341	1.298	1.489
22)	4,4'-DDT	13.47	12.68	2850152	20446055	81.650	93.382
23)	Endrin Ketone	14.38	13.98	50768	318979	1.212	1.119m

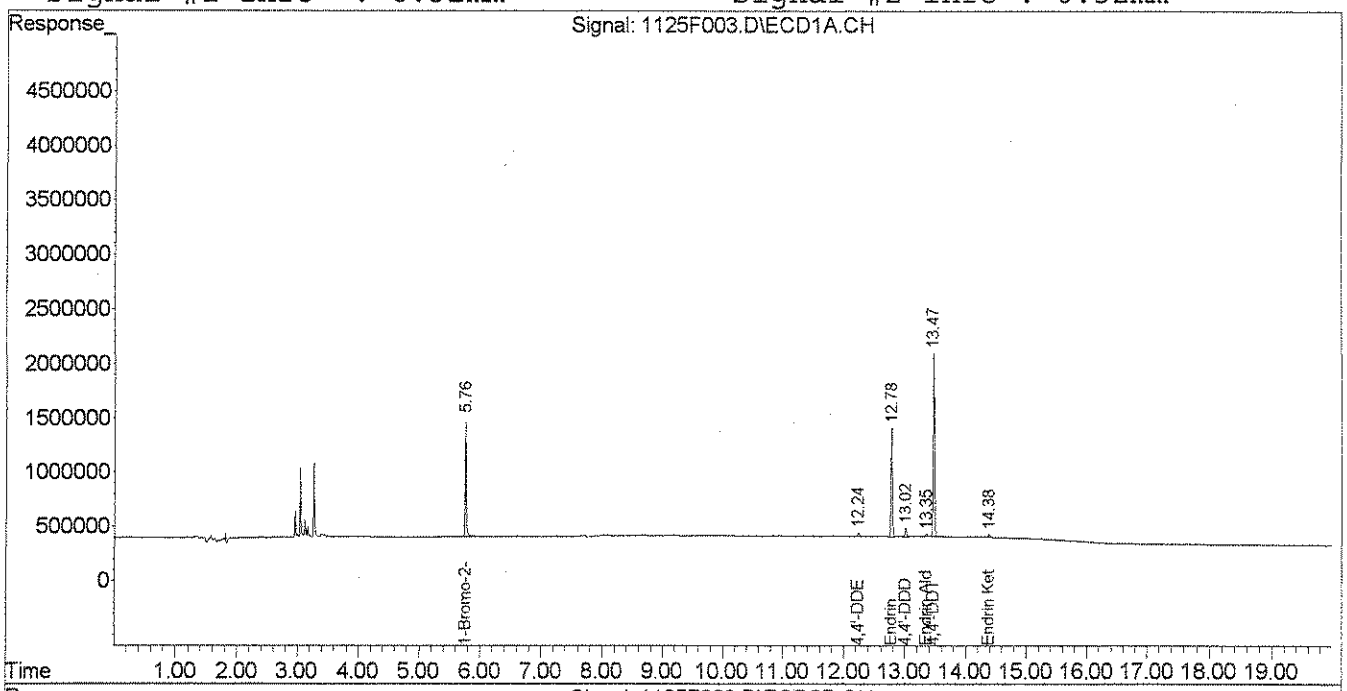
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

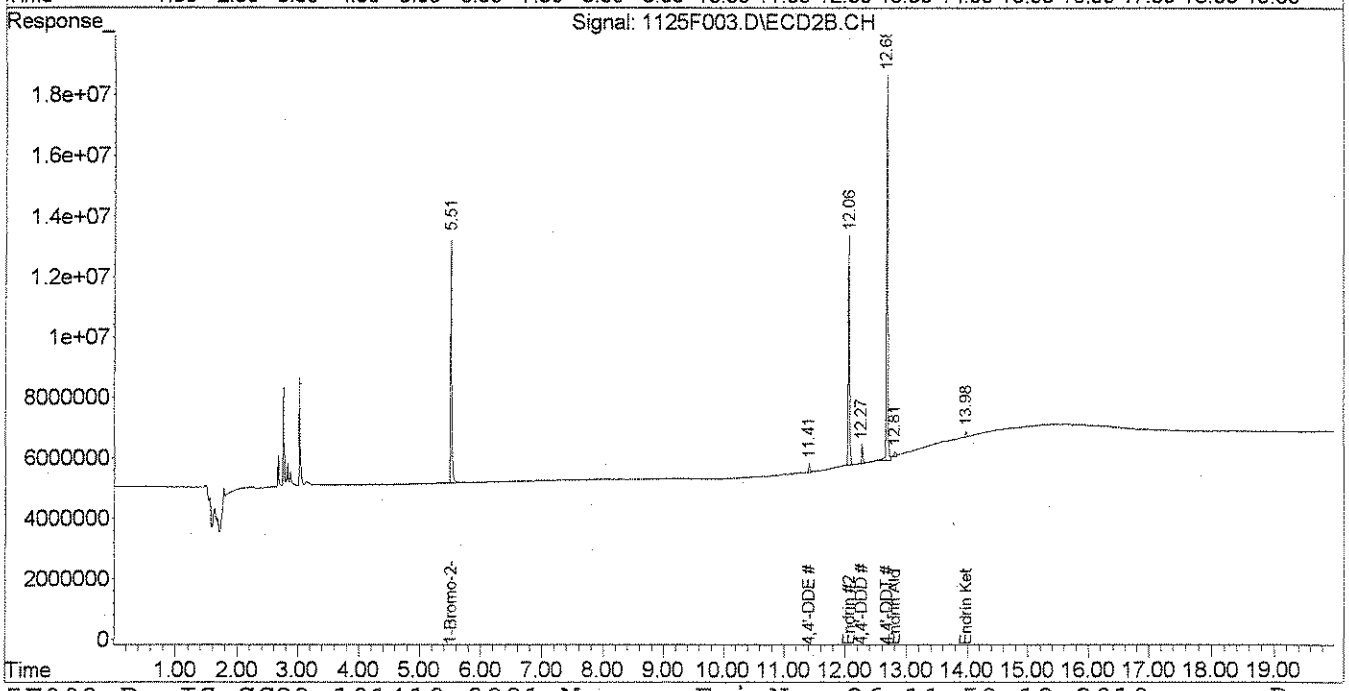
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F003.D\ECD1A.CH Vial: 9
Signal #2 : J:\GC23\DATA\112510\1125F003.D\ECD2B.CH
Acq On : 25 Nov 2010 3:34 pm Operator: CCotnam
Sample : PEM @ 50-100ppb | GCPS6-69S | KWG1012938 Inst : GC23
Misc : SEMIVOA GC\W1012937\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:10 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

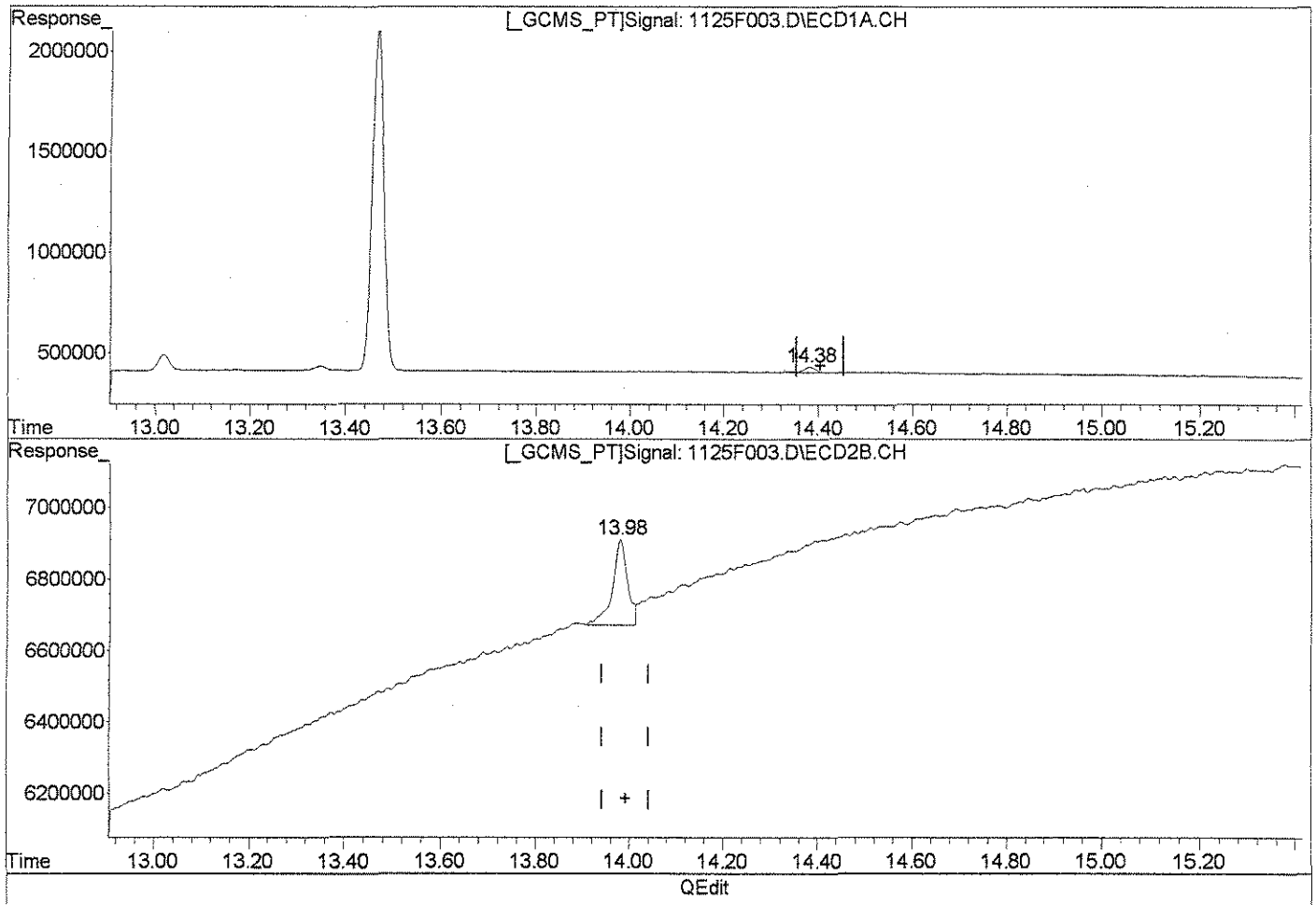




Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F003.D\ECD1A.CH Vial: 9
Signal #2 : J:\GC23\DATA\112510\1125F003.D\ECD2B.CH
Acq On : 25 Nov 2010 3:34 pm Operator: CCotnam
Sample : PEM @ 50-100ppb | GCPS6-69S | KWG1012938 Inst : GC23
Misc : SEMIVOA GC\W1012937\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration



Manual Integration:

Before

(23) Endrin Ketone

14.38min 1.212ug/L

response 50768

(23) Endrin Ketone #2

13.98min 1.913ug/L

response 545423

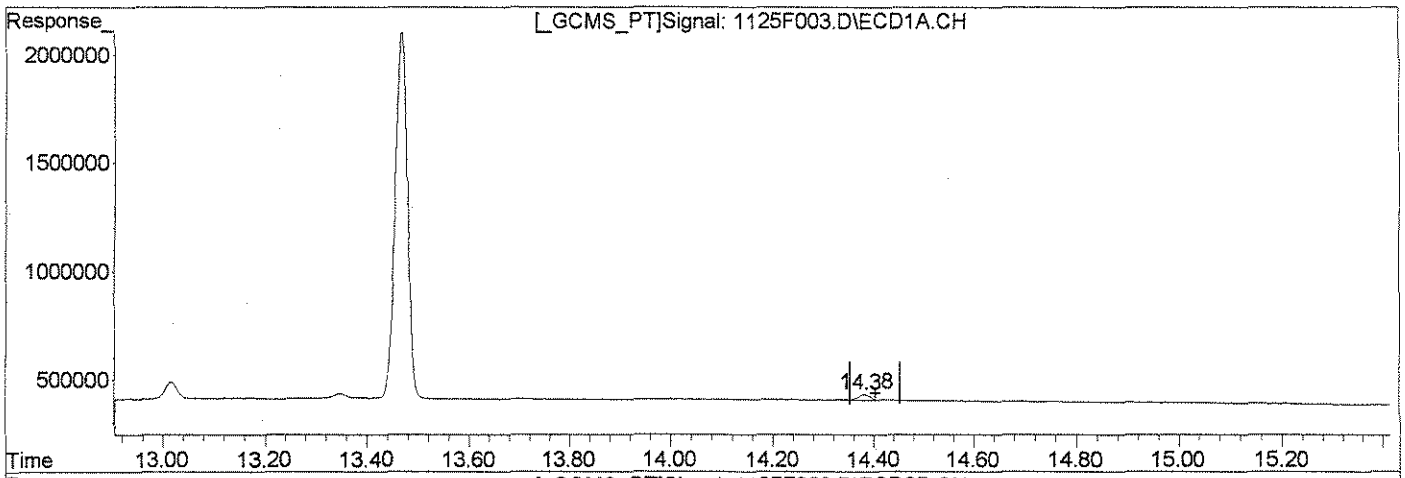
(+) = Expected Retention Time

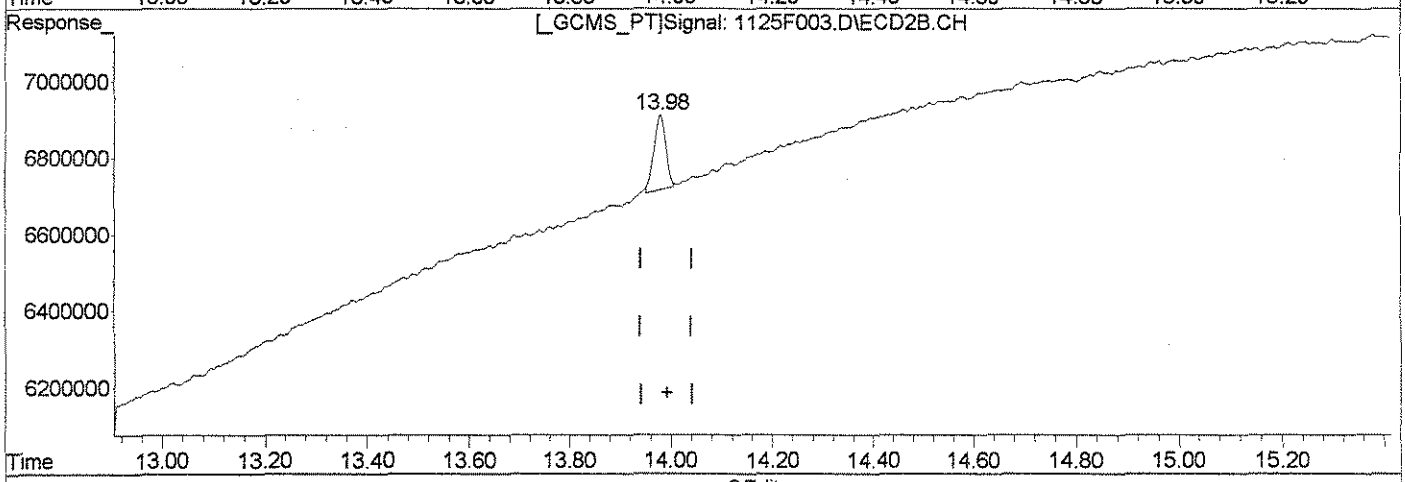
1125F003.D IS-GC23-101410-8081.M Fri Nov 26 11:10:55 2010

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\112510\1125F003.D\ECD1A.CH Vial: 9
Signal #2 : J:\GC23\DATA\112510\1125F003.D\ECD2B.CH
Acq On : 25 Nov 2010 3:34 pm Operator: CCotnam
Sample : PEM @ 50-100ppb | GCPS6-69S | KWG1012938 Inst : GC23
Misc : SEMIVOA GC\W1012937\2-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01 2010 Quant Results File: IS-GC23-101410-8081.RES

Method : J:\GC23\METHODS\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration





(23) Endrin Ketone

14.38min 1.212ug/L

response 50768

(23) Endrin Ketone #2

13.98min 1.119ug/L m

response 318979

Manual Integration:

After

Baseline/Shoulder

11/26/10

(+) = Expected Retention Time

1125F003.D IS-GC23-101410-8081.M Fri Nov 26 11:11:03 2010

Exception Report

Data File:	J:\GC23\DATA\112510\1125F024.D	**Date Acquired:**	11/26/2010 00:58
Lab ID:	KWG1012938-4	**Date Quantitated:**	11/26/2010 11:44
RunType:	IB	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.76	NA	NA	5A
	1-Bromo-2-nitrobenzene {2}	5.76	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.76	NA	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Exception Report

Data File:	J:\GC23\DATA\112510\1125F024.D\1125F024C.D	**Date Acquired:**	11/26/2010 00:58
Lab ID:	KWG1012938-4	**Date Quantitated:**	11/26/2010 11:44
RunType:	IB	**Batch ID:**	KWG1012938
Matrix:	MISC	**Analysis Method:**	8081A
		ListJoinID:	LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.51	NA	NA	GA
	1-Bromo-2-nitrobenzene {2}	5.51	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.51	NA	NA	

Primary Review: 11/29/10

Secondary Review: MMOM

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	MISC
Prod Code:	8081A PEST_OC_L	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**		**Report Group:**	
Analysis Method:	8081A	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:			
MB Ref:		**Method ID:**	MJ1010
		Quant based on Method	

Data File #1:	J:\GC23\DATA\112510\1125F024.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F024.D\1125F024c.d			**Vial:**	8
Acqu Date:	11/26/2010 00:58	**Quant Date:**	11/26/2010 11:44	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-4				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Internal Standard Compounds

IS #	Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	5.76	c	5.51	c	1600503	11682102	50.00	50.00
2	1-Bromo-2-nitrobenzene {2}	5.76	c	5.51	c	1600503	11682102	50.00	50.00
3	1-Bromo-2-nitrobenzene {3}	5.76	c	5.51	c	1600503	11682102	50.00	50.00
4	1-Bromo-2-nitrobenzene {4}					0d	0d	50.00	50.00
5	1-Bromo-2-nitrobenzene {5}					0d	0d	50.00	50.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2			Rpt
1	Tetrachloro-m-xylene	0.00		0	0		0.0000			NA
				%Recovery =		NA	NA	Limits =	70-130	
1	Decachlorobiphenyl	0.00		0	0		0.0000			NA
				%Recovery =		NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	alpha-BHC			0	0	0.0000	0.0000			
1	Hexachlorobenzene			0	0	0.0000	0.0000			
1	beta-BHC			0	0	0.0000	0.0000			
1	gamma-BHC (Lindane)			0	0	0.0000	0.0000			
1	delta-BHC			0	0	0.0000	0.0000			
1	Heptachlor			0	0	0.0000	0.0000			
1	Aldrin			0	0	0.0000	0.0000			
1	Isodrin			0	0d	0.0000	0.0000			
1	Heptachlor Epoxide			0	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F024.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F024.D\1125F024c.d			**Vial:**	8
Acqu Date:	11/26/2010 00:58	**Quant Date:**	11/26/2010 11:44	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-4				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Target Compounds **Final Conc. Units:**

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	g/WIPE #1	g/WIPE #2	Rpt
1	gamma-Chlordane			0	0d	0.0000	0.0000			
1	Endosulfan I			0	0d	0.0000	0.0000			
1	alpha-Chlordane			0	0d	0.0000	0.0000			
1	Dieldrin			0	0d	0.0000	0.0000			
1	4,4'-DDE			0	0d	0.0000	0.0000			
1	Endrin			0	0d	0.0000	0.0000			
1	Endosulfan II			0	0d	0.0000	0.0000			
1	4,4'-DDD			0	0d	0.0000	0.0000			
1	Endrin Aldehyde			0	0	0.0000	0.0000			
1	Endosulfan Sulfate			0	0d	0.0000	0.0000			
1	4,4'-DDT			0	0	0.0000	0.0000			
1	Endrin Ketone			0	0d	0.0000	0.0000			
1	Methoxychlor			0	0d	0.0000	0.0000			
	Toxaphene			0	0	0.0000	0.0000			
2	Toxaphene {1}			0	0d	0.0000	0.0000			
2	Toxaphene {2}			0	0	0.0000	0.0000			
2	Toxaphene {3}			0	0	0.0000	0.0000			
2	Toxaphene {4}			0	0	0.0000	0.0000			
2	Toxaphene {5}			0	0d	0.0000	0.0000			
2	Toxaphene {6}			0	0d	0.0000	0.0000			
	Chlordane			0	0	0.0000	0.0000			
3	Chlordane {1}			0	0	0.0000	0.0000			
3	Chlordane {2}			0	0	0.0000	0.0000			
3	Chlordane {3}			0	0d	0.0000	0.0000			
3	Chlordane {4}			0	0d	0.0000	0.0000			
3	Chlordane {5}			0	0	0.0000	0.0000			
3	Chlordane {6}			0	0	0.0000	0.0000			
5	2,4'-DDE			0d	0d	0.0000	0.0000			
5	2,4'-DDD			0d	0d	0.0000	0.0000			
5	2,4'-DDT			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F024.D\ECD1A.CH Vial: 8
Signal #2 : J:\GC23\DATA\112510\1125F024.D\ECD2B.CH
Acq On : 26 Nov 2010 12:58 am Operator: CCotnam
Sample : KWG1012938-4 | IB | 8081A PEST_OC_LL Inst : GC23
Misc : SEMIVOA GC\W1012937\4-IB.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:45 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
		Internal Standards						
1)	i	1-Bromo-2-nitrob	5.76	5.51	1600503	11682102	50.000	50.000
26)		1-Bromo-2-nitrob	5.76	5.51	1600503	11682102	50.000	50.000
33)		1-Bromo-2-nitrob	5.76	5.51	1600503	11682102	50.000	50.000

System Monitoring Compounds

Target Compounds

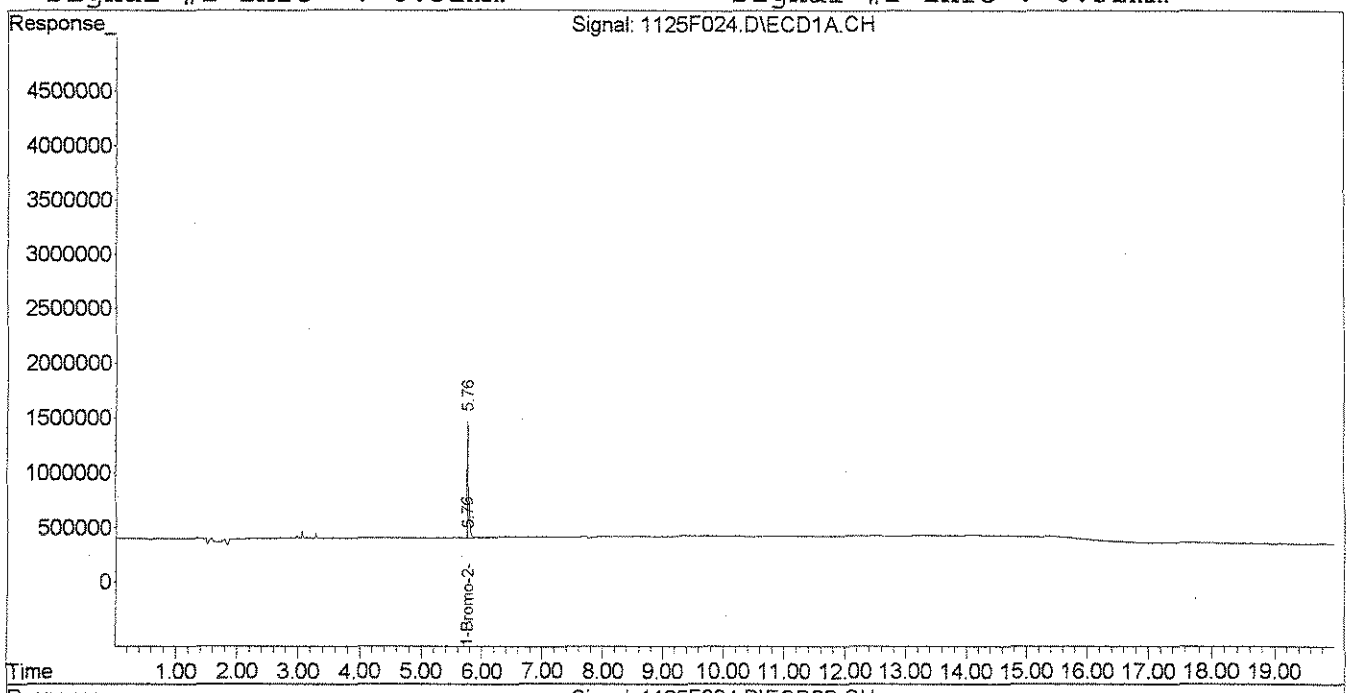
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

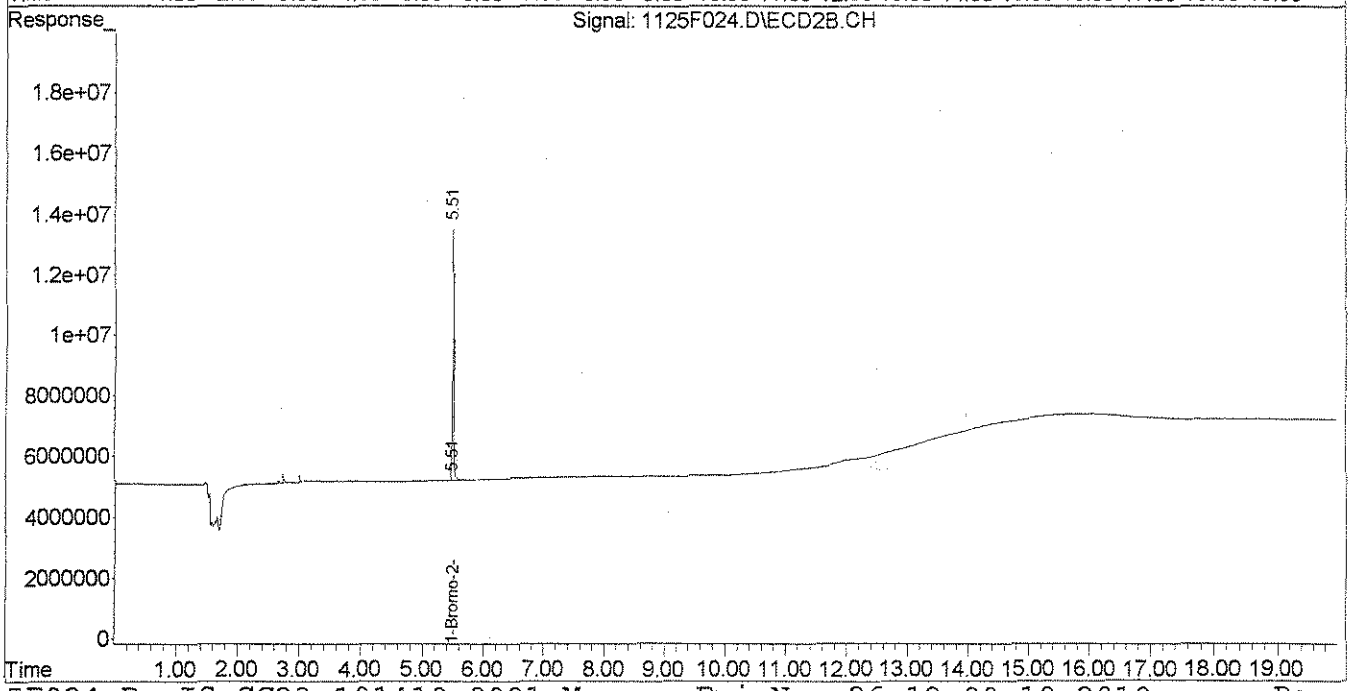
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F024.D\ECD1A.CH Vial: 8
Signal #2 : J:\GC23\DATA\112510\1125F024.D\ECD2B.CH
Acq On : 26 Nov 2010 12:58 am Operator: CCotnam
Sample : KWG1012938-4 | IB | 8081A PEST_OC_LL Inst : GC23
Misc : SEMIVOA GC\W1012937\4-IB.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:44 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Exception Report

Data File: J:\GC23\DATA\112510\1125F025.D
Lab ID: KWG1012938-5
RunType: PEM
Matrix: MISC

Date Acquired: 11/26/2010 01:25
Date Quantitated: 11/26/2010 11:44
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Pesticide Breakdown	NA	NA	NA	x	

Primary Review: LC 11/30/10

Secondary Review: CM 12/01/10

Exception Report

Data File: J:\GC23\DATA\112510\1125F025.D\1125F025C.D
Lab ID: KWG1012938-5
RunType: PEM
Matrix: MISC

Date Acquired: 11/26/2010 01:25
Date Quantitated: 11/26/2010 11:44
Batch ID: KWG1012938
Analysis Method: 8081A
ListJoinID: LJ12115

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Pesticide Breakdown	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	MISC
Prod Code:	8081A PEST_OC_L	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012938	**Prep Lot:**		**Report Group:**	
Analysis Method:	8081A	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\GC23\METHODS\IS-GC23-1014	**Calibration ID:**	CAL9961
Title:	Organochlorine Pesticides	**Report List ID:**	LJ10274
MB Ref:		**Method ID:**	MJ1016
		Quant based on Report List	

Data File #1:	J:\GC23\DATA\112510\1125F025.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F025.D\1125F025c.d			**Vial:**	9
Acqu Date:	11/26/2010 01:25	**Quant Date:**	11/26/2010 11:44	**Dilution:**	1.0
Run Type:	PEM			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-5				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

BreakDown Results

Parameter Name	Resp #1	Respe #2	Percent Breakdown #1	Percent Breakdown #1
Tetrachloro-m-xylene	0d	0d		
Decachlorobiphenyl	0d	0d		
alpha-BHC	0d	0d		
beta-BHC	0d	0d		
gamma-BHC (Lindane)	0d	0d		
delta-BHC	0d	0d		
Heptachlor	0d	0d		
Aldrin	0d	0d		
Heptachlor Epoxide	0d	0d		
gamma-Chlordane	0d	0d		
Endosulfan I	0d	0d		
alpha-Chlordane	0d	0d		
Dieldrin	0d	0d		
4,4'-DDE	67679	562258		
Endrin	1759124	12326650	5.6	6.9
Endosulfan II	0d	0d		
4,4'-DDD	138223	1133362		
Endrin Aldehyde	45594	443742		
Endosulfan Sulfate	0d	0d		
4,4'-DDT	3007591	21271156	6.4	7.4
Endrin Ketone	58935	463754		
Methoxychlor	0d	0d		
Toxaphene {1}	0d	0d		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC23\DATA\112510\1125F025.D			**Instrument:**	GC23
Data File #2:	J:\GC23\DATA\112510\1125F025.D\1125F025c.d			**Vial:**	9
Acqu Date:	11/26/2010 01:25	**Quant Date:**	11/26/2010 11:44	**Dilution:**	1.0
Run Type:	PEM			**Soln Conc. Units:**	ug/L
Lab ID:	KWG1012938-5				
Signal #1:	DB XLB	**Signal #2:**	DB-35MS		

Toxaphene {2}	0d	0d
Toxaphene {3}	0d	0d
Toxaphene {4}	0d	0d
Toxaphene {5}	0d	0d
Toxaphene {6}	0d	0d
Toxaphene	0	0
Chlordane {1}	0d	0d
Chlordane {2}	0d	0d
Chlordane {3}	0d	0d
Chlordane {4}	0d	0d
Chlordane {5}	0d	0d
Chlordane {6}	0d	0d
Chlordane	0	0
1-Bromo-2-nitrobenzene	1588899	11412470
1-Bromo-2-nitrobenzene {2}	0d	0d
1-Bromo-2-nitrobenzene {3}	0d	0d

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F025.D\ECD1A.CH Vial: 9
Signal #2 : J:\GC23\DATA\112510\1125F025.D\ECD2B.CH
Acq On : 26 Nov 2010 1:25 am Operator: CCotnam
Sample : PEM @ 50-100ppb | GCPS6-69S | KWG1012938 Inst : GC23
Misc : SEMIVOA GC\W1012937\5-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:01:46 2010 Quant Results File: IS-GC23-101410-8081

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Initial Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L	
	Internal Standards							
1) i	1-Bromo-2-nitrob	5.76	5.51	1588899	11412470	50.000	50.000	
	System Monitoring Compounds							
	Target Compounds							
16)	4,4'-DDE	12.24	11.41	67679	562258	1.750	2.128	
17)	Endrin	12.78	12.06	1759124	12326650	46.867	48.156	
19)	4,4'-DDD	13.02	12.27	138223	1133362	4.056	5.007	
20)	Endrin Aldehyde	13.35	12.81	45594	443742	1.464	2.022	#
22)	4,4'-DDT	13.47	12.68	3007591	21271156	85.296	95.218	
23)	Endrin Ketone	14.38	13.98	58935	463754	1.393	1.594	

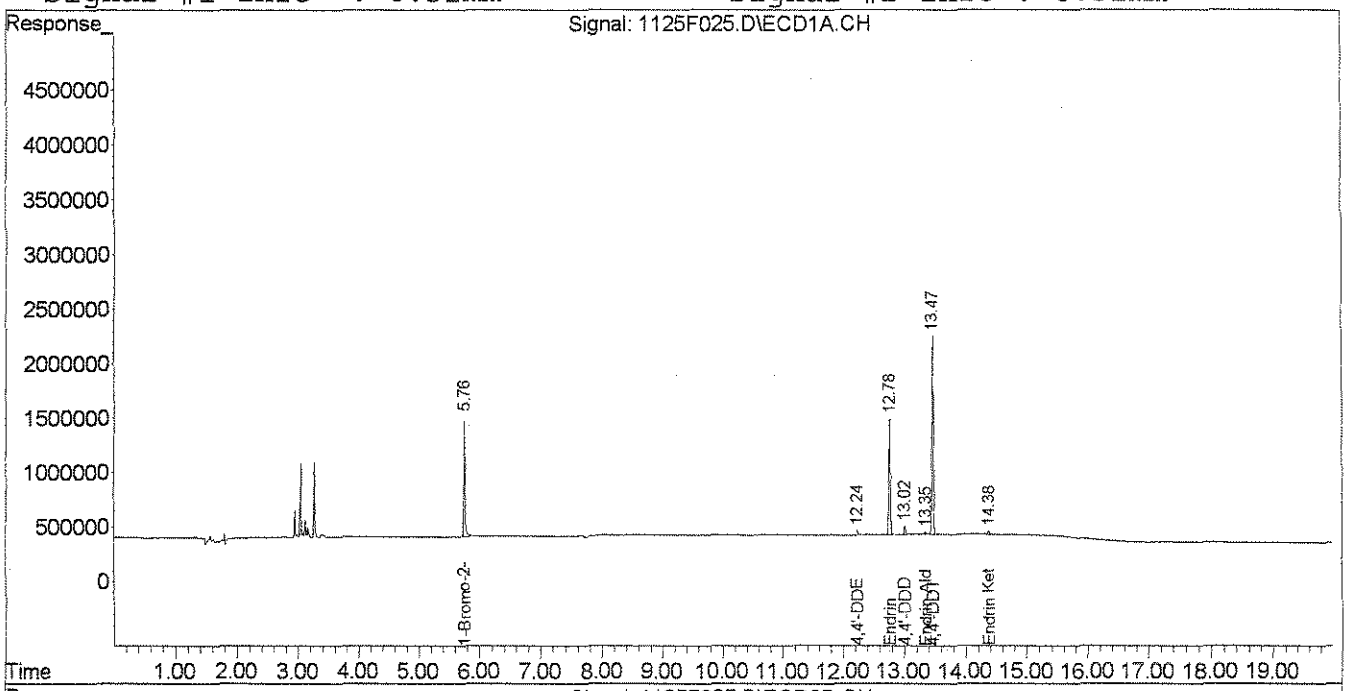
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

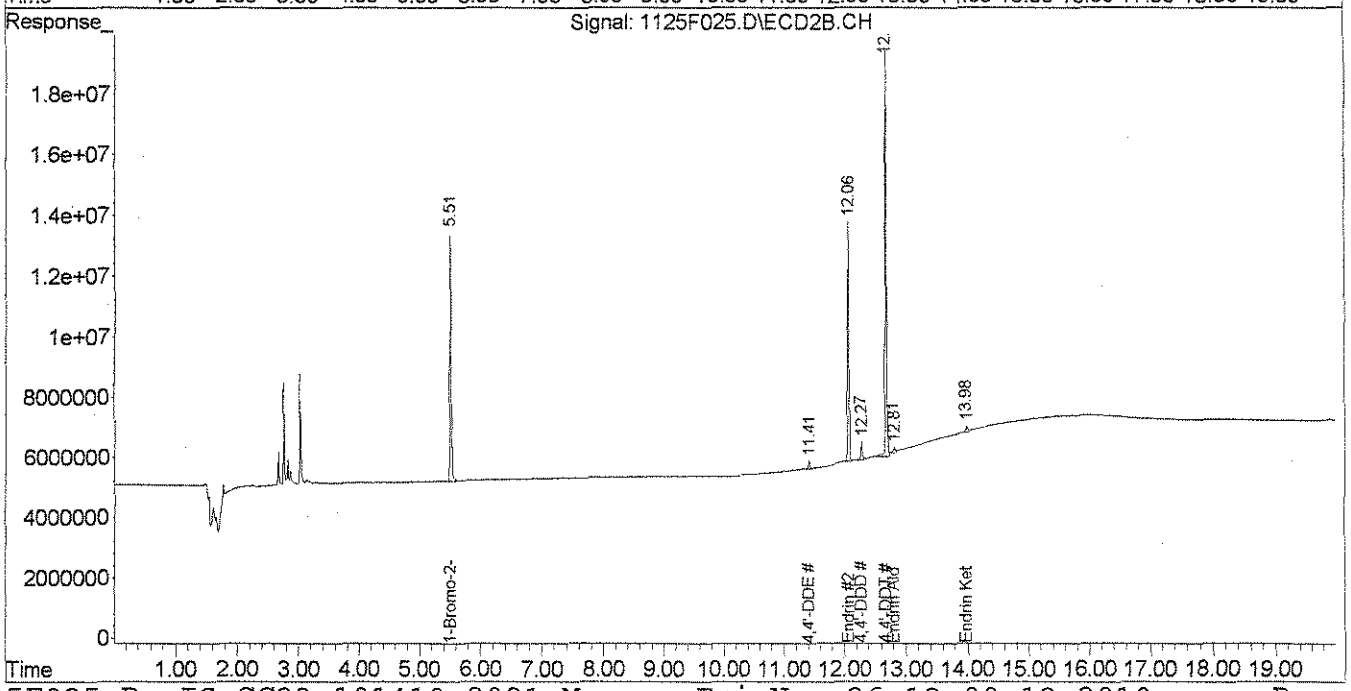
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\112510\1125F025.D\ECD1A.CH Vial: 9
Signal #2 : J:\GC23\DATA\112510\1125F025.D\ECD2B.CH
Acq On : 26 Nov 2010 1:25 am Operator: CCotnam
Sample : PEM @ 50-100ppb | GCPS6-69S | KWG1012938 Inst : GC23
Misc : SEMIVOA GC\W1012937\5-PEM.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Nov 26 11:44 2010 Quant Results File: IS-GC23-101410-8081.RE

Quant Method : J:\GC23\M...\IS-GC23-101410-8081.M (RTE Integrator)
Title : Organochlorine Pesticides
Last Update : Wed Nov 17 08:19:58 2010
Response via : Multiple Level Calibration
DataAcq Meth : PESTA.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Polychlorinated Biphenyls

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Summary Package

Sample and QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Cover Page - Organic Analysis Data Package
Polychlorinated Biphenyls (PCBs)

Sample Name	Lab Code	Date Collected	Date Received
SL0001	K1012914-001	11/15/2010	11/17/2010
SL0002	K1012914-002	11/15/2010	11/17/2010
SL0009	K1012914-009	11/15/2010	11/17/2010
SL0010	K1012914-010	11/15/2010	11/17/2010
SL0017	K1012914-016	11/15/2010	11/17/2010
SL0018	K1012914-017	11/15/2010	11/17/2010
SL0019	K1012914-018	11/15/2010	11/17/2010
SL0020	K1012914-019	11/15/2010	11/17/2010
FW0001	K1012914-029	11/15/2010	11/17/2010
FW0002	K1012914-030	11/16/2010	11/17/2010
FW0003	K1012914-031	11/16/2010	11/17/2010
SL0009MS	KWG1012934-1	11/15/2010	11/17/2010
SL0009DMS	KWG1012934-2	11/15/2010	11/17/2010

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Shen Mo

Date: 1/29/11 Title: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0001	**Units:**	mg/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	91	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0002	**Units:**	mg/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	92	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0009	**Units:**	mg/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0010	**Units:**	mg/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0017	**Units:**	mg/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0018	**Units:**	mg/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1221	ND	U	0.13	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1232	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1242	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1248	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1254	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1260	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1262	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1268	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	78	35-133	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0019	**Units:**	mg/Kg
Lab Code:	K1012914-018	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1232	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1242	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1248	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1254	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1260	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1262	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1268	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	59	35-133	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0020	**Units:**	mg/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1232	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1242	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1248	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1254	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1260	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1262	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1268	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	35-133	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Polychlorinated Biphenyls(PCBs)

Sample Name:	FW0001	**Units:**	ug/WIPE
Lab Code:	K1012914-029	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	70-130	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Polychlorinated Biphenyls(PCBs)

Sample Name:	FW0002	**Units:**	ug/WIPE
Lab Code:	K1012914-030	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	70-130	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Polychlorinated Biphenyls(PCBs)

Sample Name:	FW0003	**Units:**	ug/WIPE
Lab Code:	K1012914-031	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	70-130	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	KWG1012934-4	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.099	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Polychlorinated Biphenyls(PCBs)

Sample Name:	Method Blank	**Units:**	ug/WIPE
Lab Code:	KWG1012936-1	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	89	70-130	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3541
Analysis Method: 8082

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
SL0001	K1012914-001	91
SL0002	K1012914-002	92
SL0009	K1012914-009	90
SL0010	K1012914-010	88
SL0017	K1012914-016	87
SL0018	K1012914-017	78
SL0019	K1012914-018	59
SL0020	K1012914-019	90
FW0001	K1012914-029	90
FW0002	K1012914-030	90
FW0003	K1012914-031	90
Method Blank	KWG1012934-4	85
Method Blank	KWG1012936-1	89
SL0009MS	KWG1012934-1	88
SL0009DMS	KWG1012934-2	97
Lab Control Sample	KWG1012934-3	87
Lab Control Sample	KWG1012936-2	87
Duplicate Lab Control Sample	KWG1012936-3	89

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 70-130

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010

Matrix Spike/Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0009	**Units:**	mg/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG1012934

		SL0009MS KWG1012934-1 Matrix Spike			SL0009DMS KWG1012934-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	ND	0.437	0.581	75	0.510	0.580	88	27-174	15	40
Aroclor 1260	ND	0.467	0.581	80	0.535	0.580	92	20-185	14	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010

Lab Control Spike Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method:	EPA 3541	**Units:**	mg/Kg
Analysis Method:	8082	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1012934

	Lab Control Sample KWG1012934-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Aroclor 1016	0.705	1.00	71	48-121
Aroclor 1260	0.819	1.00	82	53-129

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/24/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Polychlorinated Biphenyls(PCBs)

Extraction Method:	EPA 3541	**Units:**	ug/WIPE
Analysis Method:	8082	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1012936

	Lab Control Sample KWG1012936-2 Lab Control Spike			Duplicate Lab Control Sample KWG1012936-3 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	7.14	10.0	71	7.33	10.0	73	70-130	3	40
Aroclor 1260	8.59	10.0	86	8.59	10.0	86	70-130	0	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010
		Time Analyzed:	18:56

Method Blank Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**File ID:**	J:\GC09\DATA\112410A.B\1124F019.D
Lab Code:	KWG1012934-4	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG1012934

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012934-3	J:\GC09\DATA\112410A.B\1124F020.D	11/24/10	19:23
SL0001	K1012914-001	J:\GC09\DATA\112410A.B\1124F021.D	11/24/10	19:50
SL0002	K1012914-002	J:\GC09\DATA\112410A.B\1124F022.D	11/24/10	20:16
SL0009	K1012914-009	J:\GC09\DATA\112410A.B\1124F023.D	11/24/10	20:43
SL0009MS	KWG1012934-1	J:\GC09\DATA\112410A.B\1124F024.D	11/24/10	21:09
SL0009DMS	KWG1012934-2	J:\GC09\DATA\112410A.B\1124F025.D	11/24/10	21:36
SL0010	K1012914-010	J:\GC09\DATA\112410A.B\1124F029.D	11/24/10	23:22
SL0017	K1012914-016	J:\GC09\DATA\112410A.B\1124F030.D	11/24/10	23:49
SL0018	K1012914-017	J:\GC09\DATA\112410A.B\1124F031.D	11/25/10	00:15
SL0019	K1012914-018	J:\GC09\DATA\112410A.B\1124F032.D	11/25/10	00:42
SL0020	K1012914-019	J:\GC09\DATA\112410A.B\1124F033.D	11/25/10	01:08

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/24/2010
		Time Analyzed:	16:17

Method Blank Summary
Polychlorinated Biphenyls(PCBs)

Sample Name:	Method Blank	**File ID:**	J:\GC09\DATA\112410A.B\1124F013.D
Lab Code:	KWG1012936-1	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG1012936

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012936-2	J:\GC09\DATA\112410A.B\1124F014.D	11/24/10	16:44
Duplicate Lab Control Sample	KWG1012936-3	J:\GC09\DATA\112410A.B\1124F015.D	11/24/10	17:10
FW0001	K1012914-029	J:\GC09\DATA\112410A.B\1124F016.D	11/24/10	17:37
FW0002	K1012914-030	J:\GC09\DATA\112410A.B\1124F017.D	11/24/10	18:03
FW0003	K1012914-031	J:\GC09\DATA\112410A.B\1124F018.D	11/24/10	18:30

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010
		Time Analyzed:	19:23

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Lab Control Sample	**File ID:**	J:\GC09\DATA\112410A.B\1124F020.D
Lab Code:	KWG1012934-3	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG1012934

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
SL0010	K1012914-010	J:\GC09\DATA\112410A.B\1124F029.D	11/24/10	23:22
SL0017	K1012914-016	J:\GC09\DATA\112410A.B\1124F030.D	11/24/10	23:49
Method Blank	KWG1012934-4	J:\GC09\DATA\112410A.B\1124F019.D	11/24/10	18:56
SL0001	K1012914-001	J:\GC09\DATA\112410A.B\1124F021.D	11/24/10	19:50
SL0002	K1012914-002	J:\GC09\DATA\112410A.B\1124F022.D	11/24/10	20:16
SL0009	K1012914-009	J:\GC09\DATA\112410A.B\1124F023.D	11/24/10	20:43
SL0009MS	KWG1012934-1	J:\GC09\DATA\112410A.B\1124F024.D	11/24/10	21:09
SL0009DMS	KWG1012934-2	J:\GC09\DATA\112410A.B\1124F025.D	11/24/10	21:36
SL0018	K1012914-017	J:\GC09\DATA\112410A.B\1124F031.D	11/25/10	00:15
SL0019	K1012914-018	J:\GC09\DATA\112410A.B\1124F032.D	11/25/10	00:42
SL0020	K1012914-019	J:\GC09\DATA\112410A.B\1124F033.D	11/25/10	01:08

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/24/2010
		Time Analyzed:	16:44

Lab Control Sample Summary
Polychlorinated Biphenyls(PCBs)

Sample Name:	Lab Control Sample	**File ID:**	J:\GC09\DATA\112410A.B\1124F014.D
Lab Code:	KWG1012936-2	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG1012936

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012936-1	J:\GC09\DATA\112410A.B\1124F013.D	11/24/10	16:17
FW0001	K1012914-029	J:\GC09\DATA\112410A.B\1124F016.D	11/24/10	17:37
FW0002	K1012914-030	J:\GC09\DATA\112410A.B\1124F017.D	11/24/10	18:03
FW0003	K1012914-031	J:\GC09\DATA\112410A.B\1124F018.D	11/24/10	18:30

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Level ID	File ID
A	\\cash1\acqudata\GC09\data\102610.B\1026F003.D
B	\\cash1\acqudata\GC09\data\102610.B\1026F004.D
C	\\cash1\acqudata\GC09\data\102610.B\1026F005.D
D	\\cash1\acqudata\GC09\data\102610.B\1026F006.D
E	\\cash1\acqudata\GC09\data\102610.B\1026F007.D
F	\\cash1\acqudata\GC09\data\102610.B\1026F008.D
G	\\cash1\acqudata\GC09\data\102610.B\1026F009.D
H	\\cash1\acqudata\GC09\data\102610.B\1026F010.D
I	\\cash1\acqudata\GC09\data\102610.B\1026F011.D
J	\\cash1\acqudata\GC09\data\102610.B\1026F012.D
K	\\cash1\acqudata\GC09\data\102610.B\1026F013.D
L	\\cash1\acqudata\GC09\data\102610.B\1026F014.D
M	\\cash1\acqudata\GC09\data\102610.B\1026F015.D
N	\\cash1\acqudata\GC09\data\102610.B\1026F016.D
O	\\cash1\acqudata\GC09\data\102610.B\1026F017.D
P	\\cash1\acqudata\GC09\data\102610.B\1026F018.D
Q	\\cash1\acqudata\GC09\data\102610.B\1026F019.D
R	\\cash1\acqudata\GC09\data\102610.B\1026F020.D
S	\\cash1\acqudata\GC09\data\102610.B\1026F021.D
T	\\cash1\acqudata\GC09\data\102610.B\1026F022.D
U	\\cash1\acqudata\GC09\data\102610.B\1026F023.D
V	\\cash1\acqudata\GC09\data\102610.B\1026F024.D
W	\\cash1\acqudata\GC09\data\102610.B\1026F025.D
X	\\cash1\acqudata\GC09\data\102610.B\1026F026.D
Y	\\cash1\acqudata\GC09\data\102610.B\1026F027.D
Z	\\cash1\acqudata\GC09\data\102610.B\1026F028.D
AA	\\cash1\acqudata\GC09\data\102610.B\1026F029.D
AB	\\cash1\acqudata\GC09\data\102610.B\1026F030.D
AC	\\cash1\acqudata\GC09\data\102610.B\1026F031.D
AD	\\cash1\acqudata\GC09\data\102610.B\1026F032.D

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl	A	2.5	6450	B	5.0	6260	C	50	5380	D	100	4900	E	200	4290
	F	500	3940												
Aroclor 1016 {1}	A	25	70.0	B	50	73.3	C	500	73.9	D	1000	65.8	E	2000	58.7
	F	5000	54.5												
Aroclor 1016 {2}	A	25	128	B	50	130	C	500	129	D	1000	115	E	2000	102
	F	5000	91.2												
Aroclor 1016 {3}	A	25	289	B	50	293	C	500	250	D	1000	227	E	2000	198
	F	5000	178												
Aroclor 1016 {4}	A	25	129	B	50	137	C	500	126	D	1000	114	E	2000	101
	F	5000	94.2												
Aroclor 1016 {5}	A	25	197	B	50	196	C	500	180	D	1000	160	E	2000	140
	F	5000	126												
Aroclor 1260 {1}	A	25	478	B	50	464	C	500	372	D	1000	341	E	2000	299
Aroclor 1260 {2}	A	25	481	B	50	468	C	500	407	D	1000	362	E	2000	331
Aroclor 1260 {3}	A	25	278	B	50	275	C	500	241	D	1000	226	E	2000	198
Aroclor 1260 {4}	A	25	238	B	50	264	C	500	240	D	1000	227	E	2000	207

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {5}	A	25	530	B	50	534	C	500	503	D	1000	463	E	2000	420

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	19.7		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	12.1		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	14.1		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	19.6		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	14.4		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	17.7		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	19.9		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	15.9		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	13.9		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	8.8		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	9.9		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010
Date Analyzed: 10/27/2010

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL9990
Units: ng/mL

File ID:
\\cash1\acqudata\GC09\data\102610.B\1026F033.D
\\cash1\acqudata\GC09\data\102610.B\1026F034.D
\\cash1\acqudata\GC09\data\102610.B\1026F035.D
\\cash1\acqudata\GC09\data\102610.B\1026F036.D
\\cash1\acqudata\GC09\data\102610.B\1026F037.D
\\cash1\acqudata\GC09\data\102610.B\1026F038.D
\\cash1\acqudata\GC09\data\102610.B\1026F039.D
\\cash1\acqudata\GC09\data\102610.B\1026F040.D
\\cash1\acqudata\GC09\data\102610.B\1026F041.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	970	NA	NA	NA	-3	± 20 %	NA
Aroclor 1016 {1}	1000	1000	66.0	66.5	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	970	116	113	-3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	940	239	225	-6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	980	117	114	-2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	960	167	159	-4	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	14	± 20 %	NA
Aroclor 1260 {1}	1000	1000	391	395	1	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	950	410	388	-5	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1200	243	304	25	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	235	292	24	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1200	490	608	24	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Level ID	File ID
A	\\cash1\acqudata\GC09\data\102610_r.b\1026R003.D
B	\\cash1\acqudata\GC09\data\102610_r.b\1026R004.D
C	\\cash1\acqudata\GC09\data\102610_r.b\1026R005.D
D	\\cash1\acqudata\GC09\data\102610_r.b\1026R006.D
E	\\cash1\acqudata\GC09\data\102610_r.b\1026R007.D
F	\\cash1\acqudata\GC09\data\102610_r.b\1026R008.D
G	\\cash1\acqudata\GC09\data\102610_r.b\1026R009.D
H	\\cash1\acqudata\GC09\data\102610_r.b\1026R010.D
I	\\cash1\acqudata\GC09\data\102610_r.b\1026R011.D
J	\\cash1\acqudata\GC09\data\102610_r.b\1026R012.D
K	\\cash1\acqudata\GC09\data\102610_r.b\1026R013.D
L	\\cash1\acqudata\GC09\data\102610_r.b\1026R014.D
M	\\cash1\acqudata\GC09\data\102610_r.b\1026R015.D
N	\\cash1\acqudata\GC09\data\102610_r.b\1026R016.D
O	\\cash1\acqudata\GC09\data\102610_r.b\1026R017.D
P	\\cash1\acqudata\GC09\data\102610_r.b\1026R018.D
Q	\\cash1\acqudata\GC09\data\102610_r.b\1026R019.D
R	\\cash1\acqudata\GC09\data\102610_r.b\1026R020.D
S	\\cash1\acqudata\GC09\data\102610_r.b\1026R021.D
T	\\cash1\acqudata\GC09\data\102610_r.b\1026R022.D
U	\\cash1\acqudata\GC09\data\102610_r.b\1026R023.D
V	\\cash1\acqudata\GC09\data\102610_r.b\1026R024.D
W	\\cash1\acqudata\GC09\data\102610_r.b\1026R025.D
X	\\cash1\acqudata\GC09\data\102610_r.b\1026R026.D
Y	\\cash1\acqudata\GC09\data\102610_r.b\1026R027.D
Z	\\cash1\acqudata\GC09\data\102610_r.b\1026R028.D
AA	\\cash1\acqudata\GC09\data\102610_r.b\1026R029.D
AB	\\cash1\acqudata\GC09\data\102610_r.b\1026R030.D
AC	\\cash1\acqudata\GC09\data\102610_r.b\1026R031.D
AD	\\cash1\acqudata\GC09\data\102610_r.b\1026R032.D

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl	A	2.5	6620	B	5.0	6560	C	50	5950	D	100	5340	E	200	4660
	F	500	4210												
Aroclor 1016 {1}	A	25	197	B	50	209	C	500	185	D	1000	158	E	2000	140
	F	5000	125												
Aroclor 1016 {2}	A	25	159	B	50	170	C	500	188	D	1000	172	E	2000	153
	F	5000	143												
Aroclor 1016 {3}	A	25	145	B	50	149	C	500	146	D	1000	130	E	2000	113
	F	5000	103												
Aroclor 1016 {4}	A	25	171	B	50	176	C	500	166	D	1000	150	E	2000	131
	F	5000	118												
Aroclor 1016 {5}	A	25	149	B	50	161	C	500	153	D	1000	138	E	2000	122
	F	5000	110												
Aroclor 1260 {1}	A	25	298	B	50	312	C	500	291	D	1000	260	E	2000	230
	F	5000	213												
Aroclor 1260 {2}	A	25	365	B	50	360	C	500	320	D	1000	285	E	2000	251
	F	5000	234												
Aroclor 1260 {3}	A	25	381	B	50	406	C	500	401	D	1000	369	E	2000	334
	F	5000	318												
Aroclor 1260 {4}	A	25	240	B	50	246	C	500	266	D	1000	248	E	2000	235
	F	5000	220												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {5}	A	25	534	B	50	504	C	500	465	D	1000	430	E	2000	391
	F	5000	373												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	17.9		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	19.7		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	9.7		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	14.5		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	15.5		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	14.0		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	14.9		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	18.2		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	9.6		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	6.4		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	14.1		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010
Date Analyzed: 10/27/2010

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL9990
Units: ng/mL

File ID:
\\cash1\acqudata\GC09\data\102610_r.b\1026R033.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R034.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R035.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R036.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R037.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R038.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R039.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R040.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R041.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	950	NA	NA	NA	-5	± 20 %	NA
Aroclor 1016 {1}	1000	930	169	157	-7	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	164	165	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	930	131	121	-7	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	940	152	143	-6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	960	139	133	-4	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	15	± 20 %	NA
Aroclor 1260 {1}	1000	1100	267	297	11	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1100	303	330	9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	368	389	6	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	243	301	24	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1200	449	560	25	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/24/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls(PCBs)

Calibration Type:	External Standard	**Calibration Date:**	10/27/2010
Analysis Method:	8082	**Calibration ID:**	CAL9990
		Analysis Lot:	KWG1012978
		Units:	ng/mL
File ID:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F012.D	**Column ID:**	DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	54	5200	5580	7	NA	± 20 %	AverageRF
Aroclor 1016	500	560	NA	NA	NA	13	± 20 %	NA
Aroclor 1016 {1}	500	600	66.0	78.6	19	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	580	116	134	16	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	560	239	268	12	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	510	117	118	1	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	580	167	193	16	NA	± 100 %	AverageRF
Aroclor 1260	500	540	NA	NA	NA	8	± 20 %	NA
Aroclor 1260 {1}	500	530	391	414	6	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	520	410	425	4	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	560	243	272	12	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	580	235	271	15	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	530	490	516	5	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/24/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls(PCBs)

Calibration Type:	External Standard	**Calibration Date:**	10/27/2010
Analysis Method:	8082	**Calibration ID:**	CAL9990
		Analysis Lot:	KWG1012978
		Units:	ng/mL
File ID:	\\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R012.D	**Column ID:**	DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	55	5560	6140	11	NA	± 20 %	AverageRF
Aroclor 1016	500	580	NA	NA	NA	16	± 20 %	NA
Aroclor 1016 {1}	500	560	169	189	12	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	580	164	192	17	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	590	131	156	19	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	580	152	176	16	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	590	139	163	17	NA	± 100 %	AverageRF
Aroclor 1260	500	550	NA	NA	NA	11	± 20 %	NA
Aroclor 1260 {1}	500	580	267	308	15	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	550	303	331	9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	560	368	411	12	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	570	243	277	14	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	520	449	468	4	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/24/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1012978
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F028.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	53	5200	5530	6	NA	± 20 %	AverageRF
Aroclor 1016	500	550	NA	NA	NA	10	± 20 %	NA
Aroclor 1016 {1}	500	550	66.0	73.2	11	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	590	116	136	18	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	550	239	263	10	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	500	117	116	-1	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	570	167	189	13	NA	± 100 %	AverageRF
Aroclor 1260	500	530	NA	NA	NA	6	± 20 %	NA
Aroclor 1260 {1}	500	520	391	403	3	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	500	410	412	1	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	550	243	266	9	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	560	235	264	12	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	510	490	504	3	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/24/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type:	External Standard	**Calibration Date:**	10/27/2010
Analysis Method:	8082	**Calibration ID:**	CAL9990
		Analysis Lot:	KWG1012978
		Units:	ng/mL
File ID:	\\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R028.D	**Column ID:**	DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	55	5560	6160	11	NA	± 20 %	AverageRF
Aroclor 1016	500	580	NA	NA	NA	15	± 20 %	NA
Aroclor 1016 {1}	500	580	169	196	16	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	570	164	189	15	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	590	131	153	17	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	570	152	173	14	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	570	139	159	15	NA	± 100 %	AverageRF
Aroclor 1260	500	550	NA	NA	NA	10	± 20 %	NA
Aroclor 1260 {1}	500	570	267	306	14	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	540	303	328	8	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	560	368	409	11	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	570	243	277	14	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	520	449	466	4	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/25/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1012978
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F036.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	52	5200	5420	4	NA	± 20 %	AverageRF
Aroclor 1016	500	540	NA	NA	NA	9	± 20 %	NA
Aroclor 1016 {1}	500	550	66.0	72.5	10	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	570	116	132	14	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	540	239	260	9	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	500	117	117	0	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	560	167	186	12	NA	± 100 %	AverageRF
Aroclor 1260	500	510	NA	NA	NA	3	± 20 %	NA
Aroclor 1260 {1}	500	500	391	393	1	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	490	410	404	-1	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	530	243	256	5	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	540	235	255	9	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	500	490	489	0	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type:	External Standard	**Calibration Date:**	10/27/2010
Analysis Method:	8082	**Calibration ID:**	CAL9990
		Analysis Lot:	KWG1012978
		Units:	ng/mL
File ID:	\\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R036.D	**Column ID:**	DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	55	5560	6090	10	NA	± 20 %	AverageRF
Aroclor 1016	500	560	NA	NA	NA	12	± 20 %	NA
Aroclor 1016 {1}	500	560	169	188	11	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	560	164	185	13	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	570	131	150	15	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	560	152	170	12	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	550	139	152	10	NA	± 100 %	AverageRF
Aroclor 1260	500	550	NA	NA	NA	10	± 20 %	NA
Aroclor 1260 {1}	500	560	267	301	13	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	540	303	327	8	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	550	368	406	10	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	570	243	274	13	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	520	449	463	3	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Analysis Run Log
Polychlorinated Biphenyls (PCBs)

Analysis Method: 8082

Analysis Lot: KWG1012978
Instrument ID: GC09.i
Column: DB-35MS

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1124F011.D	Instrument Blank	KWG1012978-1	11/24/2010	15:24		11/24/2010	15:24
1124F012.D	Continuing Calibration Verification	KWG1012978-2	11/24/2010	15:50		11/24/2010	15:50
1124F013.D	Method Blank	KWG1012936-1	11/24/2010	16:17		11/24/2010	16:17
1124F014.D	Lab Control Sample	KWG1012936-2	11/24/2010	16:44		11/24/2010	16:44
1124F015.D	Duplicate Lab Control Sample	KWG1012936-3	11/24/2010	17:10		11/24/2010	17:10
1124F016.D	FW0001	K1012914-029	11/24/2010	17:37		11/24/2010	17:37
1124F017.D	FW0002	K1012914-030	11/24/2010	18:03		11/24/2010	18:03
1124F018.D	FW0003	K1012914-031	11/24/2010	18:30		11/24/2010	18:30
1124F019.D	Method Blank	KWG1012934-4	11/24/2010	18:56		11/24/2010	18:56
1124F020.D	Lab Control Sample	KWG1012934-3	11/24/2010	19:23		11/24/2010	19:23
1124F021.D	SL0001	K1012914-001	11/24/2010	19:50		11/24/2010	19:50
1124F022.D	SL0002	K1012914-002	11/24/2010	20:16		11/24/2010	20:16
1124F023.D	SL0009	K1012914-009	11/24/2010	20:43		11/24/2010	20:43
1124F024.D	SL0009MS	KWG1012934-1	11/24/2010	21:09		11/24/2010	21:09
1124F025.D	SL0009DMS	KWG1012934-2	11/24/2010	21:36		11/24/2010	21:36
1124F027.D	Instrument Blank	KWG1012978-3	11/24/2010	22:29		11/24/2010	22:29
1124F028.D	Continuing Calibration Verification	KWG1012978-4	11/24/2010	22:56		11/24/2010	22:56
1124F029.D	SL0010	K1012914-010	11/24/2010	23:22		11/24/2010	23:22
1124F030.D	SL0017	K1012914-016	11/24/2010	23:49		11/24/2010	23:49
1124F031.D	SL0018	K1012914-017	11/25/2010	00:15		11/25/2010	00:15
1124F032.D	SL0019	K1012914-018	11/25/2010	00:42		11/25/2010	00:42
1124F033.D	SL0020	K1012914-019	11/25/2010	01:08		11/25/2010	01:08
1124F035.D	Instrument Blank	KWG1012978-5	11/25/2010	02:02		11/25/2010	02:02
1124F036.D	Continuing Calibration Verification	KWG1012978-6	11/25/2010	02:28		11/25/2010	02:28

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Extracted: 11/22/2010

Extraction Prep Log
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3541
Analysis Method: 8082

Extraction Lot: KWG1012934
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SL0001	K1012914-001	11/15/10	11/17/10	20.17g	10mL	83.8	
SL0002	K1012914-002	11/15/10	11/17/10	20.28g	10mL	88.2	
SL0009	K1012914-009	11/15/10	11/17/10	20.06g	10mL	85.4	
SL0010	K1012914-010	11/15/10	11/17/10	20.33g	10mL	88.7	
SL0017	K1012914-016	11/15/10	11/17/10	20.34g	10mL	82.6	
SL0018	K1012914-017	11/15/10	11/17/10	20.07g	10mL	82.0	
SL0019	K1012914-018	11/15/10	11/17/10	20.03g	10mL	84.5	
SL0020	K1012914-019	11/15/10	11/17/10	20.29g	10mL	85.1	
Method Blank	KWG1012934-4	NA	NA	20.34g	10mL	NA	
SL0009MS	KWG1012934-1	11/15/10	11/17/10	20.14g	10mL	85.4	
SL0009DMS	KWG1012934-2	11/15/10	11/17/10	20.18g	10mL	85.4	
Lab Control Sample	KWG1012934-3	NA	NA	10.00g	10mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Extracted: 11/22/2010

Extraction Prep Log
Polychlorinated Biphenyls(PCBs)

Extraction Method: EPA 3541
Analysis Method: 8082

Extraction Lot: KWG1012936
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
FW0001	K1012914-029	11/15/10	11/17/10	1Wipe	10mL	100	
FW0002	K1012914-030	11/16/10	11/17/10	1Wipe	10mL	100	
FW0003	K1012914-031	11/16/10	11/17/10	1Wipe	10mL	100	
Method Blank	KWG1012936-1	NA	NA	1Wipe	10mL	NA	
Lab Control Sample	KWG1012936-2	NA	NA	1Wipe	10mL	NA	
Duplicate Lab Control Sample	KWG1012936-3	NA	NA	1Wipe	10mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

QC Reports

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3541
Analysis Method: 8082

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
SL0001	K1012914-001	91
SL0002	K1012914-002	92
SL0009	K1012914-009	90
SL0010	K1012914-010	88
SL0017	K1012914-016	87
SL0018	K1012914-017	78
SL0019	K1012914-018	59
SL0020	K1012914-019	90
FW0001	K1012914-029	90
FW0002	K1012914-030	90
FW0003	K1012914-031	90
Method Blank	KWG1012934-4	85
Method Blank	KWG1012936-1	89
SL0009MS	KWG1012934-1	88
SL0009DMS	KWG1012934-2	97
Lab Control Sample	KWG1012934-3	87
Lab Control Sample	KWG1012936-2	87
Duplicate Lab Control Sample	KWG1012936-3	89

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 70-130

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010

Matrix Spike/Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0009	**Units:**	mg/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG1012934

		SL0009MS KWG1012934-1 Matrix Spike			SL0009DMS KWG1012934-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	ND	0.437	0.581	75	0.510	0.580	88	27-174	15	40
Aroclor 1260	ND	0.467	0.581	80	0.535	0.580	92	20-185	14	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010

Lab Control Spike Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method:	EPA 3541	**Units:**	mg/Kg
Analysis Method:	8082	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1012934

	Lab Control Sample KWG1012934-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Aroclor 1016	0.705	1.00	71	48-121
Aroclor 1260	0.819	1.00	82	53-129

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/24/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Polychlorinated Biphenyls(PCBs)

Extraction Method:	EPA 3541	**Units:**	ug/WIPE
Analysis Method:	8082	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1012936

	Lab Control Sample KWG1012936-2 Lab Control Spike			Duplicate Lab Control Sample KWG1012936-3 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	7.14	10.0	71	7.33	10.0	73	70-130	3	40
Aroclor 1260	8.59	10.0	86	8.59	10.0	86	70-130	0	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010
		Time Analyzed:	18:56

Method Blank Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**File ID:**	J:\GC09\DATA\112410A.B\1124F019.D
Lab Code:	KWG1012934-4	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG1012934

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012934-3	J:\GC09\DATA\112410A.B\1124F020.D	11/24/10	19:23
SL0001	K1012914-001	J:\GC09\DATA\112410A.B\1124F021.D	11/24/10	19:50
SL0002	K1012914-002	J:\GC09\DATA\112410A.B\1124F022.D	11/24/10	20:16
SL0009	K1012914-009	J:\GC09\DATA\112410A.B\1124F023.D	11/24/10	20:43
SL0009MS	KWG1012934-1	J:\GC09\DATA\112410A.B\1124F024.D	11/24/10	21:09
SL0009DMS	KWG1012934-2	J:\GC09\DATA\112410A.B\1124F025.D	11/24/10	21:36
SL0010	K1012914-010	J:\GC09\DATA\112410A.B\1124F029.D	11/24/10	23:22
SL0017	K1012914-016	J:\GC09\DATA\112410A.B\1124F030.D	11/24/10	23:49
SL0018	K1012914-017	J:\GC09\DATA\112410A.B\1124F031.D	11/25/10	00:15
SL0019	K1012914-018	J:\GC09\DATA\112410A.B\1124F032.D	11/25/10	00:42
SL0020	K1012914-019	J:\GC09\DATA\112410A.B\1124F033.D	11/25/10	01:08

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/24/2010
		Time Analyzed:	16:17

Method Blank Summary
Polychlorinated Biphenyls(PCBs)

Sample Name:	Method Blank	**File ID:**	J:\GC09\DATA\112410A.B\1124F013.D
Lab Code:	KWG1012936-1	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG1012936

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012936-2	J:\GC09\DATA\112410A.B\1124F014.D	11/24/10	16:44
Duplicate Lab Control Sample	KWG1012936-3	J:\GC09\DATA\112410A.B\1124F015.D	11/24/10	17:10
FW0001	K1012914-029	J:\GC09\DATA\112410A.B\1124F016.D	11/24/10	17:37
FW0002	K1012914-030	J:\GC09\DATA\112410A.B\1124F017.D	11/24/10	18:03
FW0003	K1012914-031	J:\GC09\DATA\112410A.B\1124F018.D	11/24/10	18:30

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010
		Time Analyzed:	19:23

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Lab Control Sample	**File ID:**	J:\GC09\DATA\112410A.B\1124F020.D
Lab Code:	KWG1012934-3	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG1012934

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012934-4	J:\GC09\DATA\112410A.B\1124F019.D	11/24/10	18:56
SL0001	K1012914-001	J:\GC09\DATA\112410A.B\1124F021.D	11/24/10	19:50
SL0002	K1012914-002	J:\GC09\DATA\112410A.B\1124F022.D	11/24/10	20:16
SL0009	K1012914-009	J:\GC09\DATA\112410A.B\1124F023.D	11/24/10	20:43
SL0009MS	KWG1012934-1	J:\GC09\DATA\112410A.B\1124F024.D	11/24/10	21:09
SL0009DMS	KWG1012934-2	J:\GC09\DATA\112410A.B\1124F025.D	11/24/10	21:36
SL0010	K1012914-010	J:\GC09\DATA\112410A.B\1124F029.D	11/24/10	23:22
SL0017	K1012914-016	J:\GC09\DATA\112410A.B\1124F030.D	11/24/10	23:49
SL0018	K1012914-017	J:\GC09\DATA\112410A.B\1124F031.D	11/25/10	00:15
SL0019	K1012914-018	J:\GC09\DATA\112410A.B\1124F032.D	11/25/10	00:42
SL0020	K1012914-019	J:\GC09\DATA\112410A.B\1124F033.D	11/25/10	01:08

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/24/2010
		Time Analyzed:	16:44

Lab Control Sample Summary
Polychlorinated Biphenyls(PCBs)

Sample Name:	Lab Control Sample	**File ID:**	J:\GC09\DATA\112410A.B\1124F014.D
Lab Code:	KWG1012936-2	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG1012936

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012936-1	J:\GC09\DATA\112410A.B\1124F013.D	11/24/10	16:17
FW0001	K1012914-029	J:\GC09\DATA\112410A.B\1124F016.D	11/24/10	17:37
FW0002	K1012914-030	J:\GC09\DATA\112410A.B\1124F017.D	11/24/10	18:03
FW0003	K1012914-031	J:\GC09\DATA\112410A.B\1124F018.D	11/24/10	18:30

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Raw Data

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0001	**Units:**	mg/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	91	35-133	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F021.D
Lab ID: K1012914-001
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 19:50
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R021.D
Lab ID: K1012914-001
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 19:50
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: MMQD

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	K1012914
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981932	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ9899
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	**Method ID:**	MJ731
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F021.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R021.D			**Vial:**	11
Acqu Date:	11/24/2010 19:50	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-001				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.31 0.00	16.53 0.00	455653	506420	87.58	91.16			91OK
				%Recovery =	88OK	91OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1016 {1}			0d	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {2}			0d	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {3}			0d	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {4}			0d	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {5}			0d	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {2}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F021.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R021.D			**Vial:**	11
Acqu Date:	11/24/2010 19:50	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-001				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1260 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.17 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	83.8 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F021.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F021.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R021.D
Inj Date : 24-NOV-2010 19:50
Sample Info: K1012914-001
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	449401	468458	78.1	82.6		100.00
Decachlorobiphenyl	15.313	16.527	455653	506420	87.6	91.2		100.00

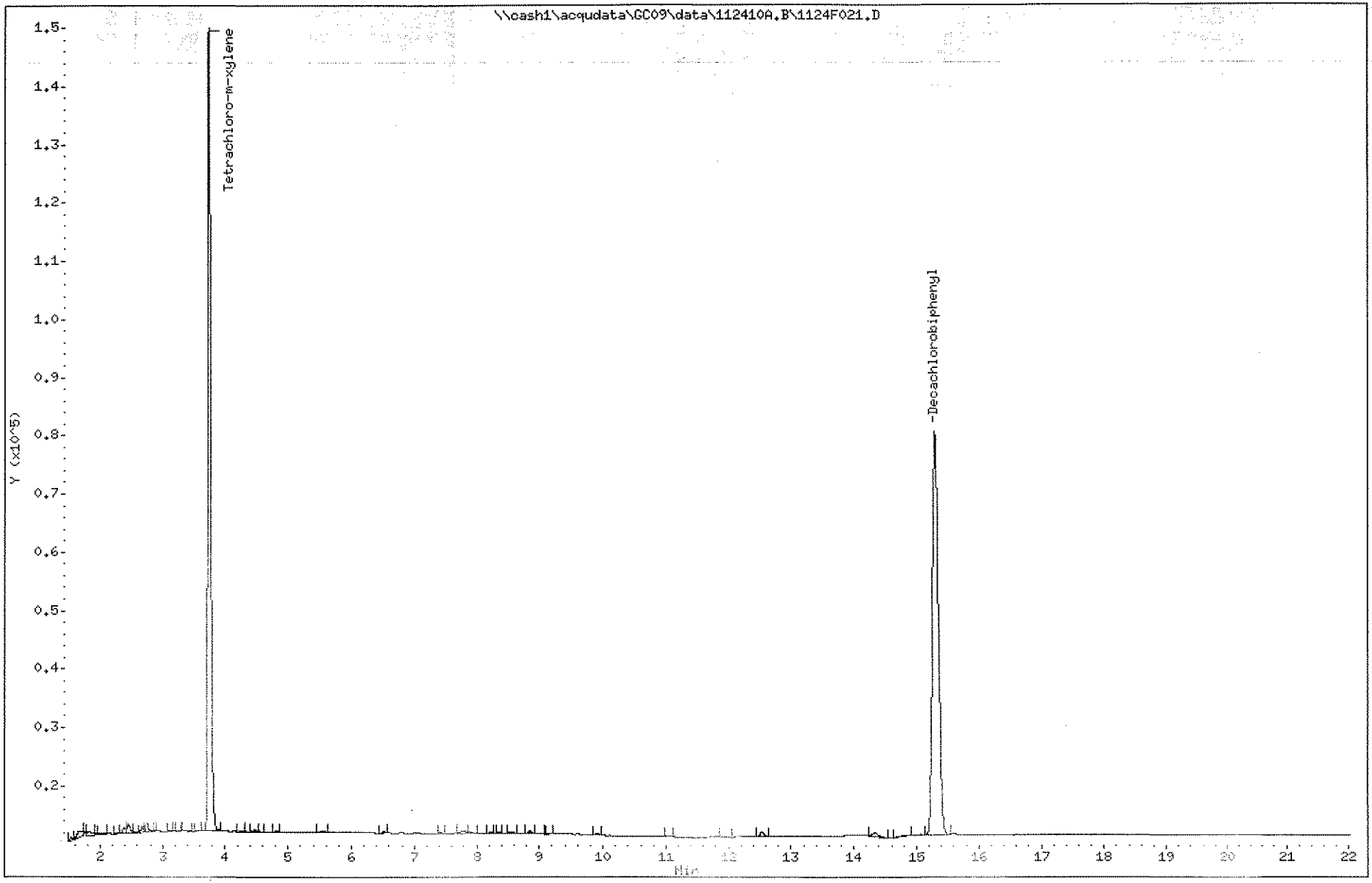
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F021.D
Date : 24-NOV-2010 19:50
Client ID:
Sample Info: K1012914-001

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



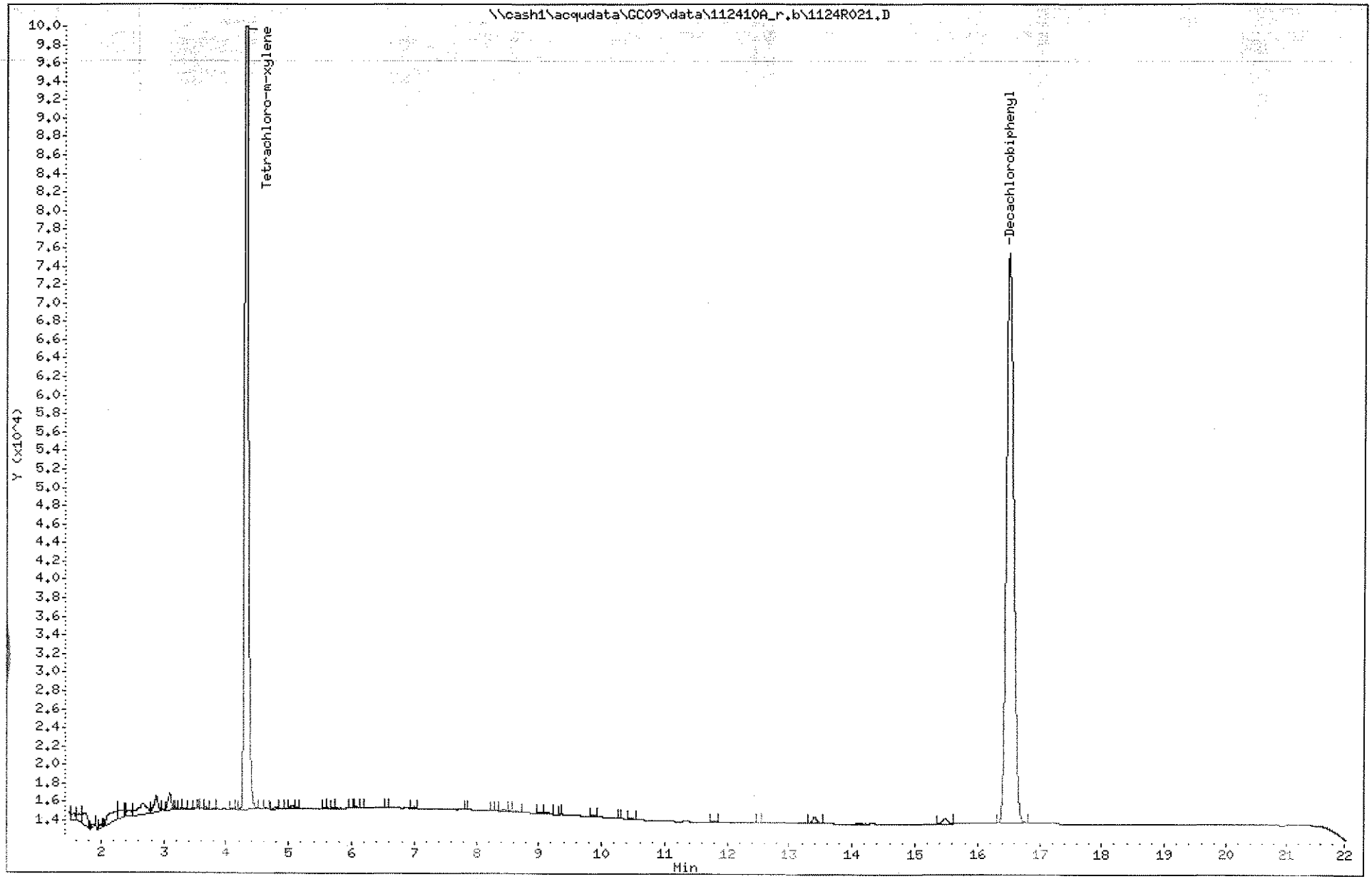
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R021.D
Date : 24-NOV-2010 19:50
Client ID:
Sample Info: K1012914-001

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0002	**Units:**	mg/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	92	35-133	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F022.D
Lab ID: K1012914-002
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 20:16
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/30/10

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R022.D
Lab ID: K1012914-002
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 20:16
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review:

Quantitation Report

Bottle ID:		Tier:	V	Matrix:	SEDIMENT
Prod Code:	8082 PCB	Collect Date:	11/15/2010	Receive Date:	11/17/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	K1012914
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981933	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ9899
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	**Method ID:**	MJ731
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F022.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R022.D			**Vial:**	12
Acqu Date:	11/24/2010 20:16	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-002				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.31	0.00	16.52	-0.01	451963	511562	86.87	92.09			92OK
						%Recovery =	87OK	92OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1016 {1}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {2}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {3}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {4}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {5}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F022.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R022.D			**Vial:**	12
Acqu Date:	11/24/2010 20:16	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-002				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	29.90	29.66	0.019U	0.019U	0.019U
Aroclor 1254 {1}	7.67	8.28	11283	15002	32.67	37.03	0.019U	0.021J	
Aroclor 1254 {2}	8.36	8.84	7540	5882	31.54	31.50	0.019U	0.019U	
Aroclor 1254 {3}	8.56	9.03	15849	11763	32.62	32.77	0.019U	0.019U	
Aroclor 1254 {4}	8.96	9.62	11735	6901	27.70	23.75	0.019U	0.019U	
Aroclor 1254 {5}	9.17	10.46	5356	7330	24.98	23.22	0.019U	0.019U	
Aroclor 1260			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1260 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.28 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	88.2 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F022.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F022.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R022.D
Inj Date : 24-NOV-2010 20:16
Sample Info: K1012914-002
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.747	4.310	487861	508156	84.8	89.6		100.00
Aroclor 1254	7.670	8.283	11283	15002	32.7	37.0	80.00- 120.00	100.00
	8.363	8.840	7540	5882	31.5	31.5	53.50- 80.26	66.83
	8.560	9.027	15849	11763	32.6	32.8	111.76- 167.65	140.47
	8.960	9.620	11735	6901	27.7	23.8	97.53- 146.29	104.01
	9.170	10.460	5356	7330	25.0	23.2	49.15- 73.73	47.47
			Average of Peak Amounts =		29.9	29.7		
Decachlorobiphenyl	15.313	16.523	451963	511562	86.9	92.1		100.00

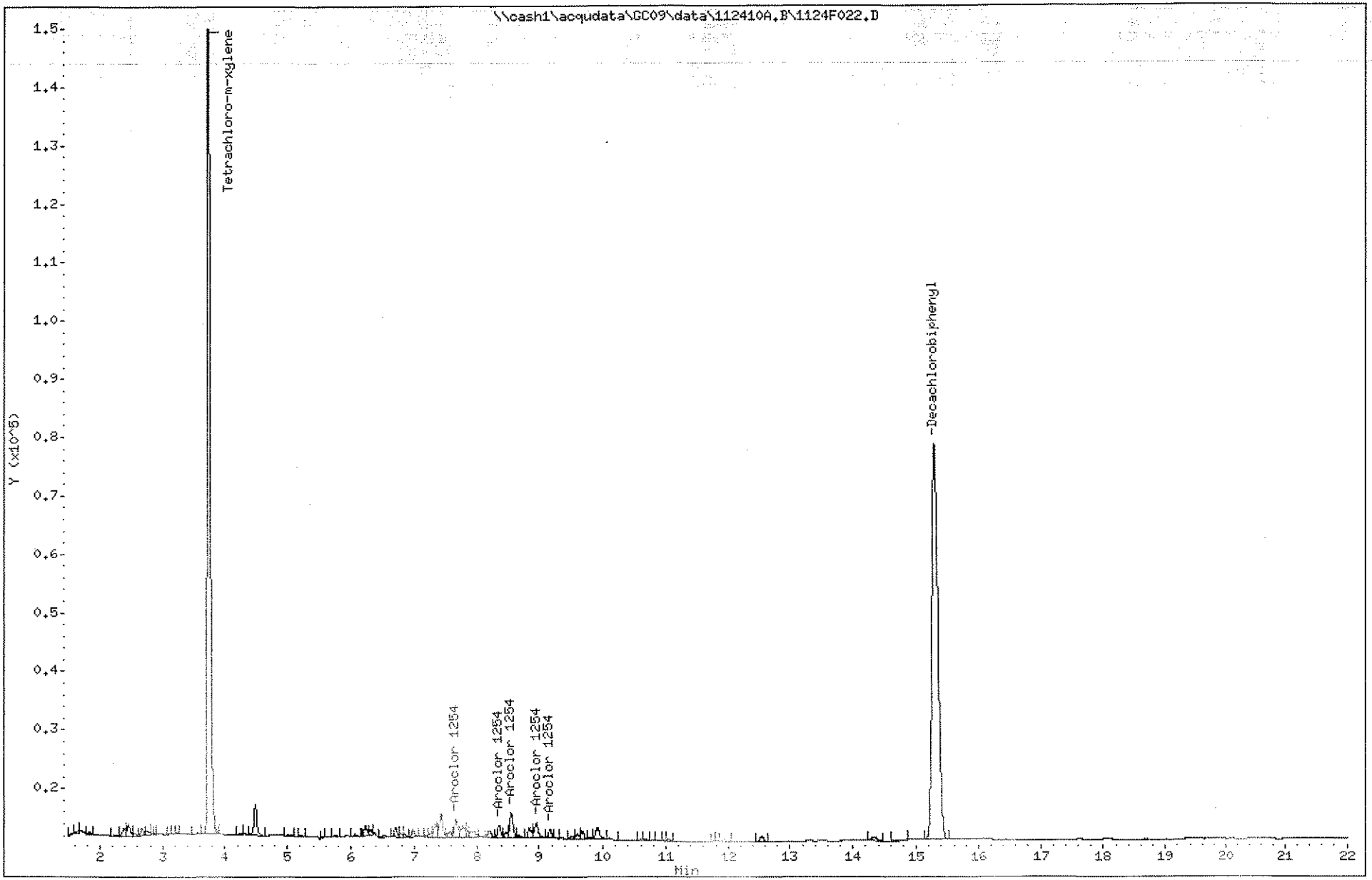
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F022.D
Date : 24-NOV-2010 20:16
Client ID:
Sample Info: K1012914-002

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



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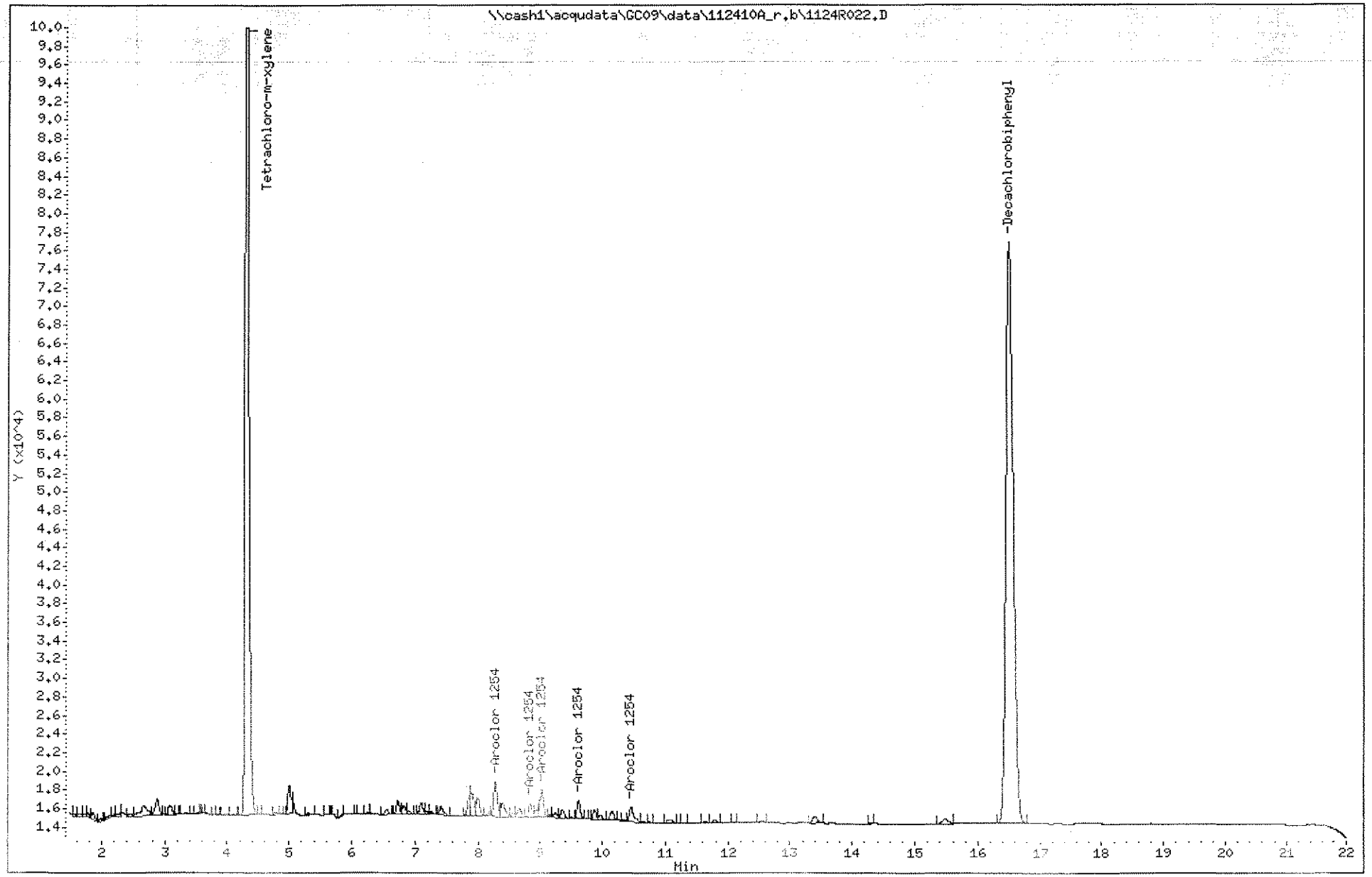
Date : 24-NOV-2010 20:16
Client ID:
Sample Info: K1012914-002

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1062

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0009	**Units:**	mg/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	35-133	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F023.D
Lab ID: K1012914-009
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 20:43
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1254 {5}	9.17	NA	NA	MCAUG, calcep
	Aroclor 1260 {1}	9.17	NA	NA	

Primary Review: 11/29/10

Secondary Review:

Printed: 11/29/2010 10:14:33
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R023.D
Lab ID: K1012914-009
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 20:43
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1254 {5}	10.457	NA	NA	MCNG, cdsgf
	Aroclor 1260 {3}	10.457	NA	NA	

Primary Review: 11/29/10

Secondary Review:

Printed: 11/29/2010 10:14:36
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	K1012914
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981934	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ9899
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	**Method ID:**	MJ731
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F023.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R023.D			**Vial:**	13
Acqu Date:	11/24/2010 20:43	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-009				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2		Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.32	16.53	0.00	432946	498189	83.22	89.68			90OK
					%Recovery =	83OK	90OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F023.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R023.D			**Vial:**	13
Acqu Date:	11/24/2010 20:43	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-009				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	7.68	11.72	0.019U	0.019U	0.019U
Aroclor 1254 {1}	7.75	8.28	0	4272	0.0000	10.55	0.019U	0.019U	
Aroclor 1254 {2}	8.43	8.92	873	868	3.65	4.65	0.019U	0.019U	
Aroclor 1254 {3}	8.63	9.02	2740	6873	5.64	19.15	0.019U	0.019U	
Aroclor 1254 {4}	9.04	9.61	848	1935	2.00	6.66	0.019U	0.019U	
Aroclor 1254 {5}	9.17 c	10.46 c	4164	5561	19.42	17.62	0.019U	0.019U	
Aroclor 1260			0	0	10.70	13.30	0.019U	0.019U	0.019U
Aroclor 1260 {1}	9.17 c	9.36	4164	3499	10.65	13.10	0.019U	0.019U	
Aroclor 1260 {2}	9.92	9.88	6377	5453	15.56	18.03	0.019U	0.019U	
Aroclor 1260 {3}	9.99 0.00	10.46 -0.01 c	1956	5561	8.03	15.11	0.019U	0.019U	
Aroclor 1260 {4}	10.60 +0.00	11.09 -0.01	1691	1923	7.19	7.93	0.019U	0.019U	
Aroclor 1260 {5}	11.04	11.79	5920	5554	12.08	12.36	0.019U	0.019U	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.06 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	85.4 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F023.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F023.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R023.D
Inj Date : 24-NOV-2010 20:43
Sample Info: K1012914-009
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	433818	451644	75.4	79.7		100.00
Aroclor 1254	7.747	8.283		4272		10.5	80.00- 120.00	100.00
	8.427	8.917	873	868	3.65	4.65	53.50- 80.26	2.73
	8.630	9.023	2740	6873	5.64	19.1	111.76- 167.65	8.57
	9.037	9.613	848	1935	2.00	6.66	97.53- 146.29	2.65
	9.170	10.457	4164	5561	19.4	17.6	49.15- 73.73	13.02
		Average of Peak Amounts =			7.67	11.7		
Aroclor 1260	9.170	9.360	4164	3499	10.6	13.1	80.00- 120.00	100.00
	9.920	9.877	6377	5453	15.6	18.0	82.23- 123.35	153.15
	9.987	10.457	1956	5561	8.03	15.1	52.09- 78.14	46.97
	10.600	11.093	1691	1923	7.19	7.93	51.96- 77.94	40.61
	11.040	11.787	5920	5554	12.1	12.4	99.50- 149.25	142.17
		Average of Peak Amounts =			10.7	13.3		
Decachlorobiphenyl	15.317	16.527	432946	498189	83.2	89.7		100.00

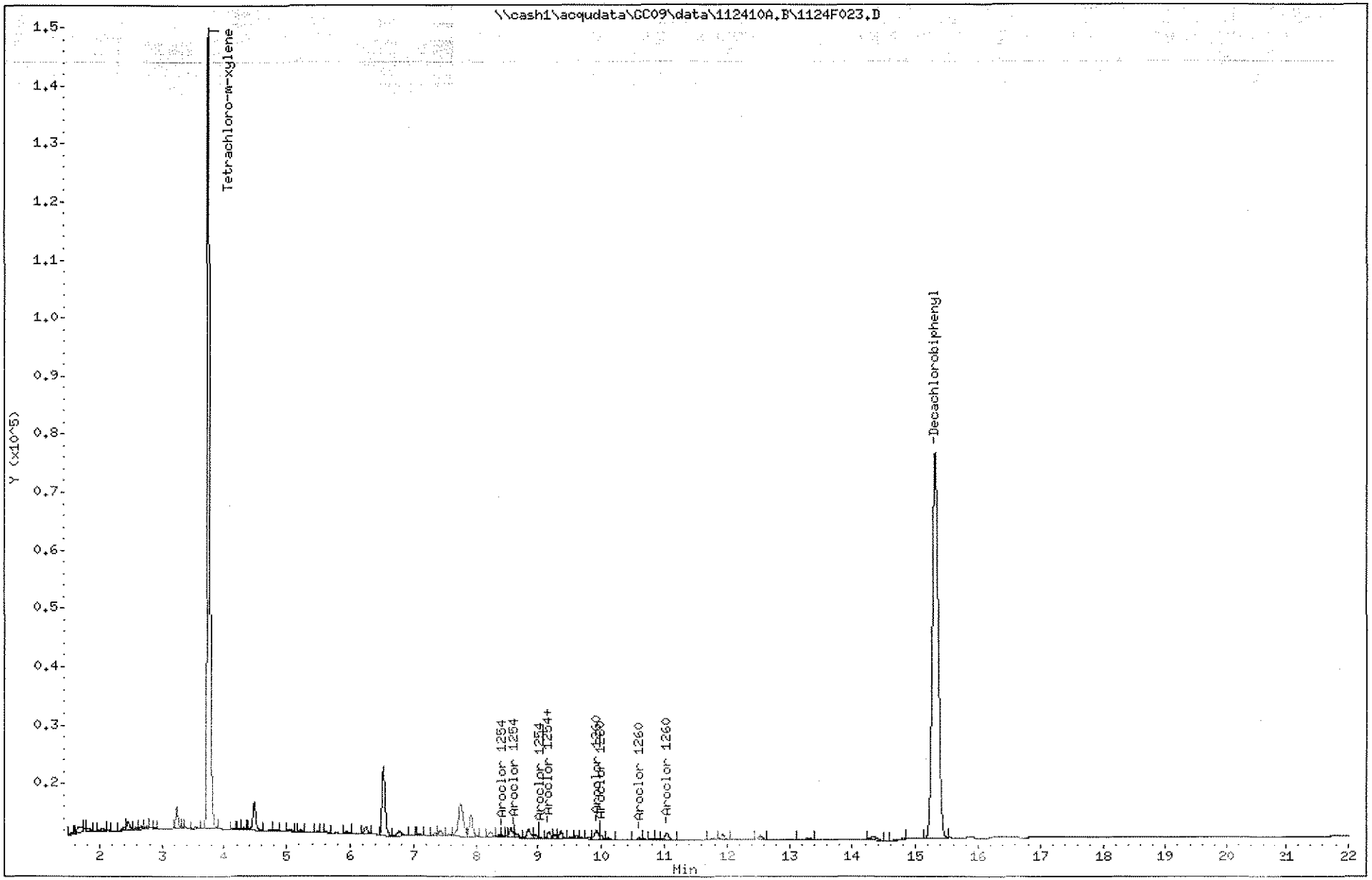
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F023.D
Date : 24-NOV-2010 20:43
Client ID:
Sample Info: K1012914-009

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



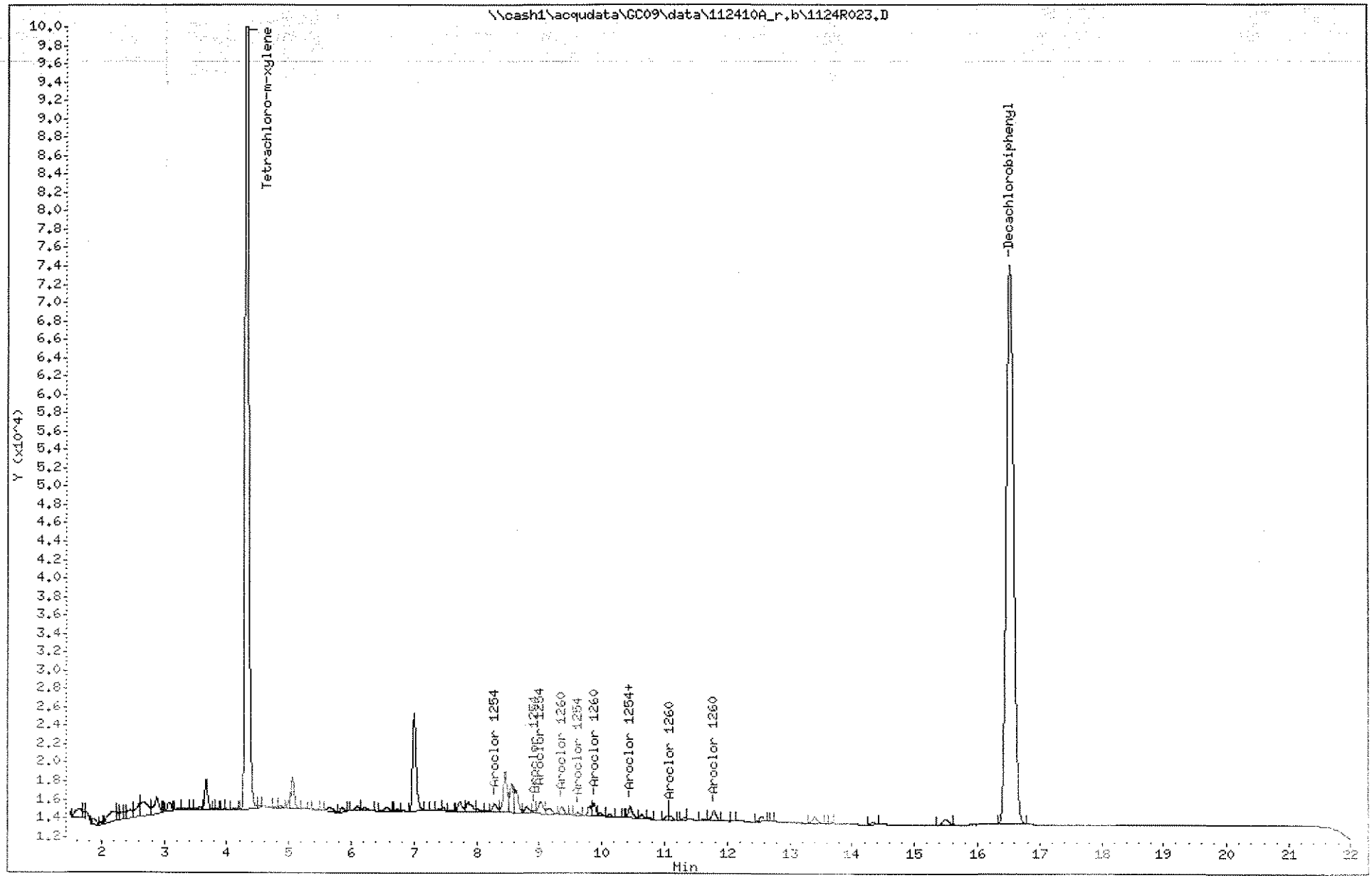
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R023.D
Date : 24-NOV-2010 20:43
Client ID:
Sample Info: K1012914-009

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1070

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0010	**Units:**	mg/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	35-133	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F029.D
Lab ID: K1012914-010
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 23:22
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 12/1/10

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R029.D
Lab ID: K1012914-010
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 23:22
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	K1012914
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981935	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ9899
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	**Method ID:**	MJ731
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F029.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R029.D			**Vial:**	16
Acqu Date:	11/24/2010 23:22	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-010				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.32	16.53	439653	486676	84.50	87.61			88OK
				%Recovery =	85OK	88OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F029.D			Instrument:	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R029.D			Vial:	16
Acqu Date:	11/24/2010 23:22	Quant Date:	11/29/2010 09:30	Dilution:	1.0
Run Type:	SMPL			Soln Conc. Units:	ng/mL
Lab ID:	K1012914-010				
Signal #1:	DB-35MS	Signal #2:	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1260 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.33 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	88.7 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F029.D
Report Date: 29-Nov-2010 09:30

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F029.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R029.D
Inj Date : 24-NOV-2010 23:22
Sample Info: K1012914-010
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	449028	456369	78.1	80.5		100.00
Decachlorobiphenyl	15.317	16.527	439653	486676	84.5	87.6		100.00

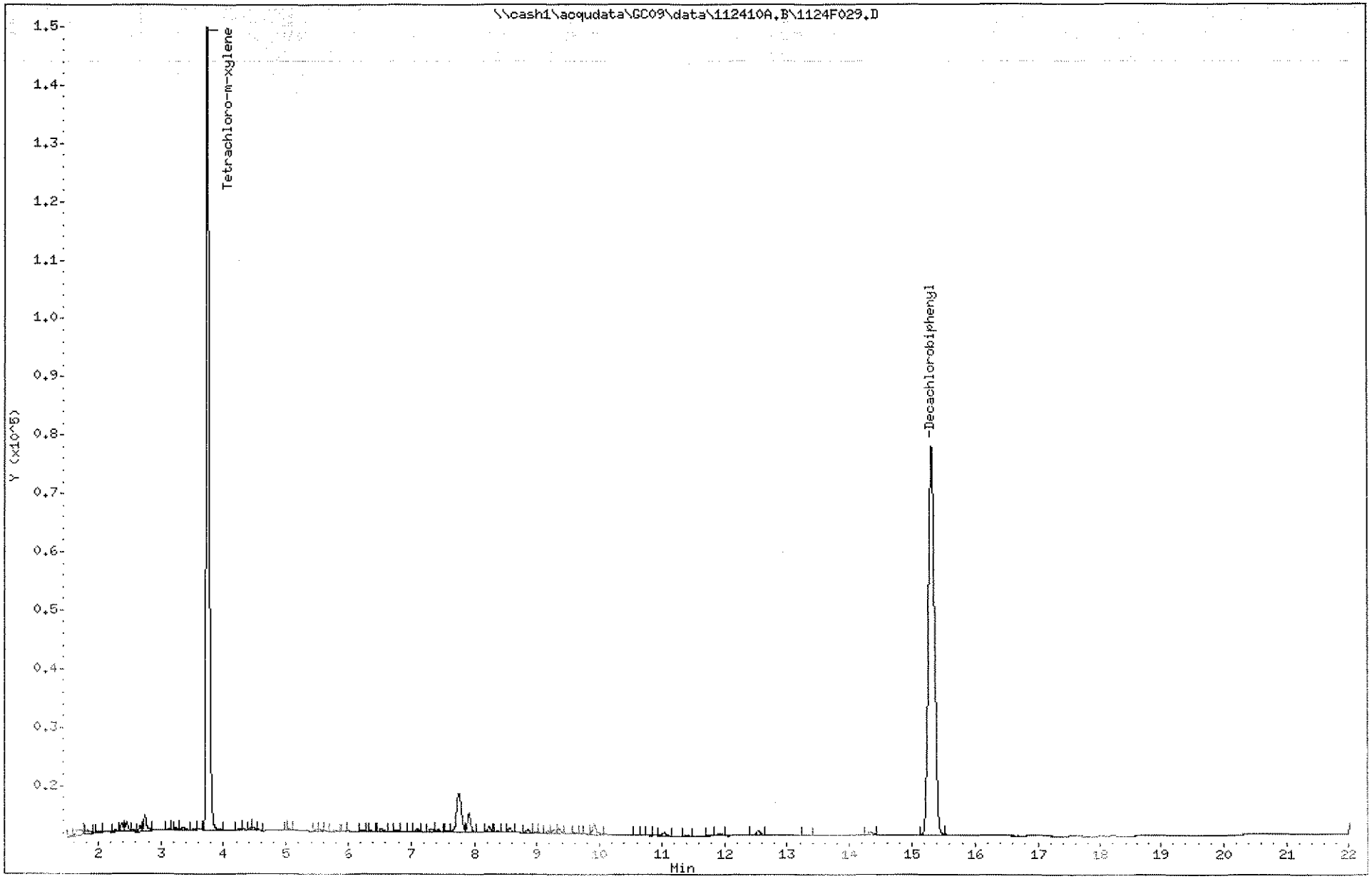
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F029.D
Date : 24-NOV-2010 23:22
Client ID:
Sample Info: K1012914-010

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



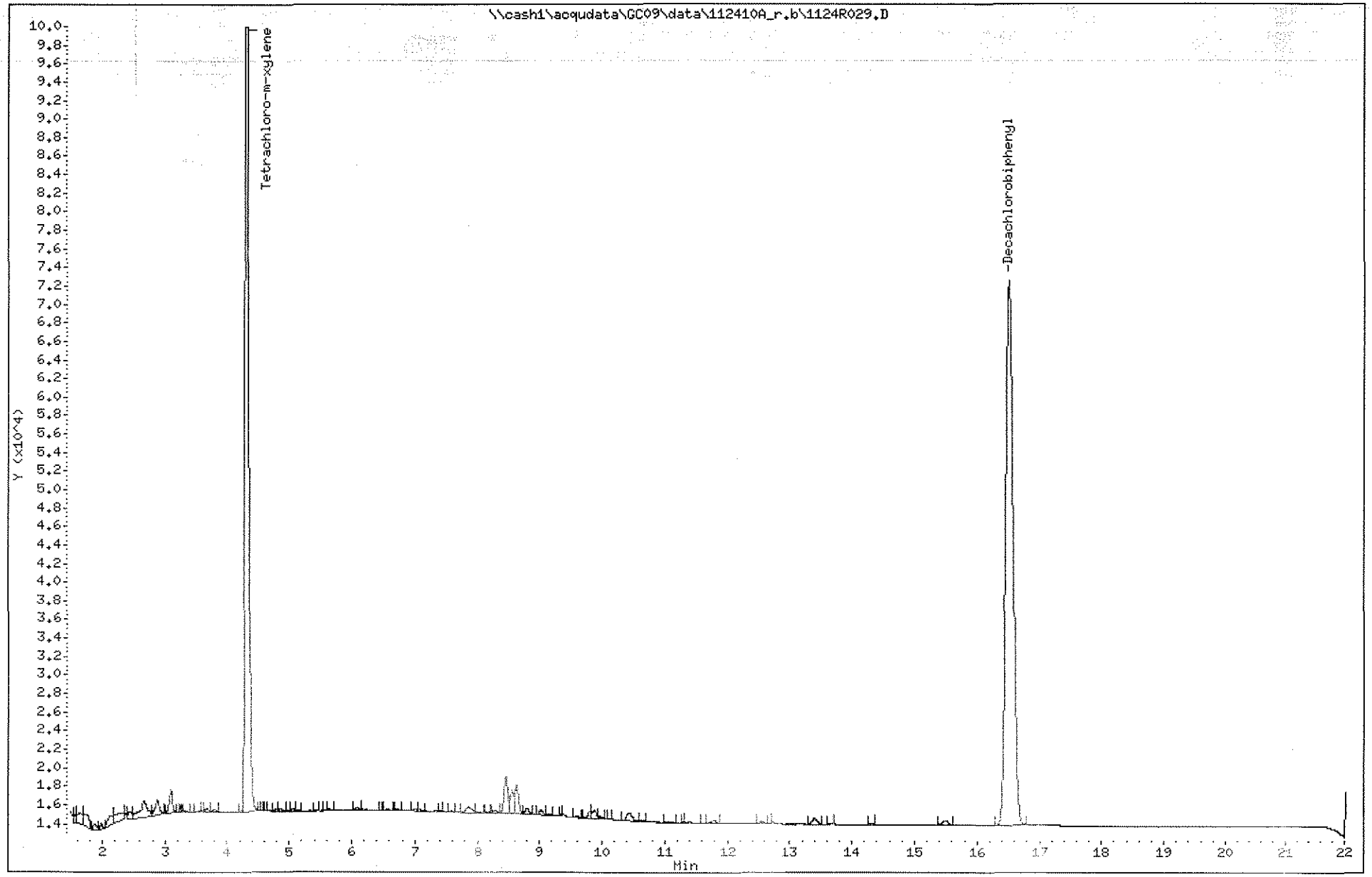
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R029.D
Date : 24-NOV-2010 23:22
Client ID:
Sample Info: K1012914-010

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0017	**Units:**	mg/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	35-133	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F030.D
Lab ID: K1012914-016
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 23:49
Date Quantitated: 11/29/2010 10:53
Batch ID: KWG1012978
Analysis Method: 8082
ListJoinID: LJ9899

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1254 {5}	9.17	NA	NA	calsgp
	Aroclor 1260 {1}	9.17	NA	NA	

Primary Review: 11/29/10

Secondary Review: MMay

Printed: 11/29/2010 10:54:43
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R030.D
Lab ID: K1012914-016
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 23:49
Date Quantitated: 11/29/2010 10:53
Batch ID: KWG1012978
Analysis Method: 8082
ListJoinID: LJ9899

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1254 {5}	10.46	NA	NA	Calsep
	Aroclor 1260 {3}	10.46	NA	NA	

Primary Review: 11/29/10

Secondary Review:

Printed: 11/29/2010 10:54:46
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	K1012914
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981936	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ9899
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	**Method ID:**	MJ731
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F030.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R030.D			**Vial:**	17
Acqu Date:	11/24/2010 23:49	**Quant Date:**	11/29/2010 10:53	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-016				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.32	16.53	429093	482105	82.47	86.78			87OK
				%Recovery =	82OK	87OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F030.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R030.D			**Vial:**	17
Acqu Date:	11/24/2010 23:49	**Quant Date:**	11/29/2010 10:53	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-016				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	17.81	18.94	0.019U	0.019U	0.019U
Aroclor 1254 {1}	7.67	8.28	4313	8599m	12.49	21.23	0.019U	0.019U	
Aroclor 1254 {2}	8.36	8.93	3306	1675m	13.83	8.97	0.019U	0.019U	
Aroclor 1254 {3}	8.56	9.02	13024	8797m	26.81	24.50	0.019U	0.019U	
Aroclor 1254 {4}	9.04	9.62	1292	2528m	3.05	8.70	0.019U	0.019U	
Aroclor 1254 {5}	9.17 c	10.46 c	7051	9874m	32.88	31.28	0.020J	0.019U	
Aroclor 1260			0	0	18.21	20.30	0.019U	0.019U	0.019U
Aroclor 1260 {1}	9.17 c	9.36	7051	4617m	18.04	17.28	0.019U	0.019U	
Aroclor 1260 {2}	9.92	9.88	12054	6318m	29.42	20.89	0.019U	0.019U	
Aroclor 1260 {3}	9.99 0.00	10.46 0.00 c	3131	9874m	12.86	26.83	0.019U	0.019U	
Aroclor 1260 {4}	10.60	11.10 0.00	3044	4605m	12.95	18.98	0.019U	0.019U	
Aroclor 1260 {5}	11.04	11.79	8726	7879m	17.81	17.54	0.019U	0.019U	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.34 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	82.6 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F030.D
Report Date: 29-Nov-2010 10:53

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F030.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R030.D
Inj Date : 24-NOV-2010 23:49
Sample Info: K1012914-016
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	452089	470553	78.6	83.0		100.00
Aroclor 1254	7.670	8.280	4313	8599	12.5	21.2	80.00- 120.00	100.00
	8.363	8.933	3306	1675	13.8	8.97	53.50- 80.26	76.65
	8.560	9.023	13024	8797	26.8	24.5	111.76- 167.65	301.97
	9.040	9.617	1292	2528	3.05	8.70	97.53- 146.29	29.96
	9.170	10.460	7051	9874	32.9	31.3	49.15- 73.73	163.48
		Average of Peak Amounts =			17.8	18.9		
Aroclor 1260	9.170	9.360	7051	4617	18.0	17.3	80.00- 120.00	100.00(H)
	9.920	9.877	12054	6318	29.4	20.9	82.23- 123.35	170.95(H)
	9.987	10.460	3131	9874	12.8	26.8	52.09- 78.14	44.41(H)
	10.597	11.097	3044	4605	12.9	19.0	51.96- 77.94	43.17(H)
	11.040	11.787	8726	7879	17.8	17.5	99.50- 149.25	123.76(H)
		Average of Peak Amounts =			18.2	20.3		
Decachlorobiphenyl	15.317	16.527	429093	482105	82.5	86.8		100.00

QC Flag Legend

H - Operator selected an alternate compound hit.

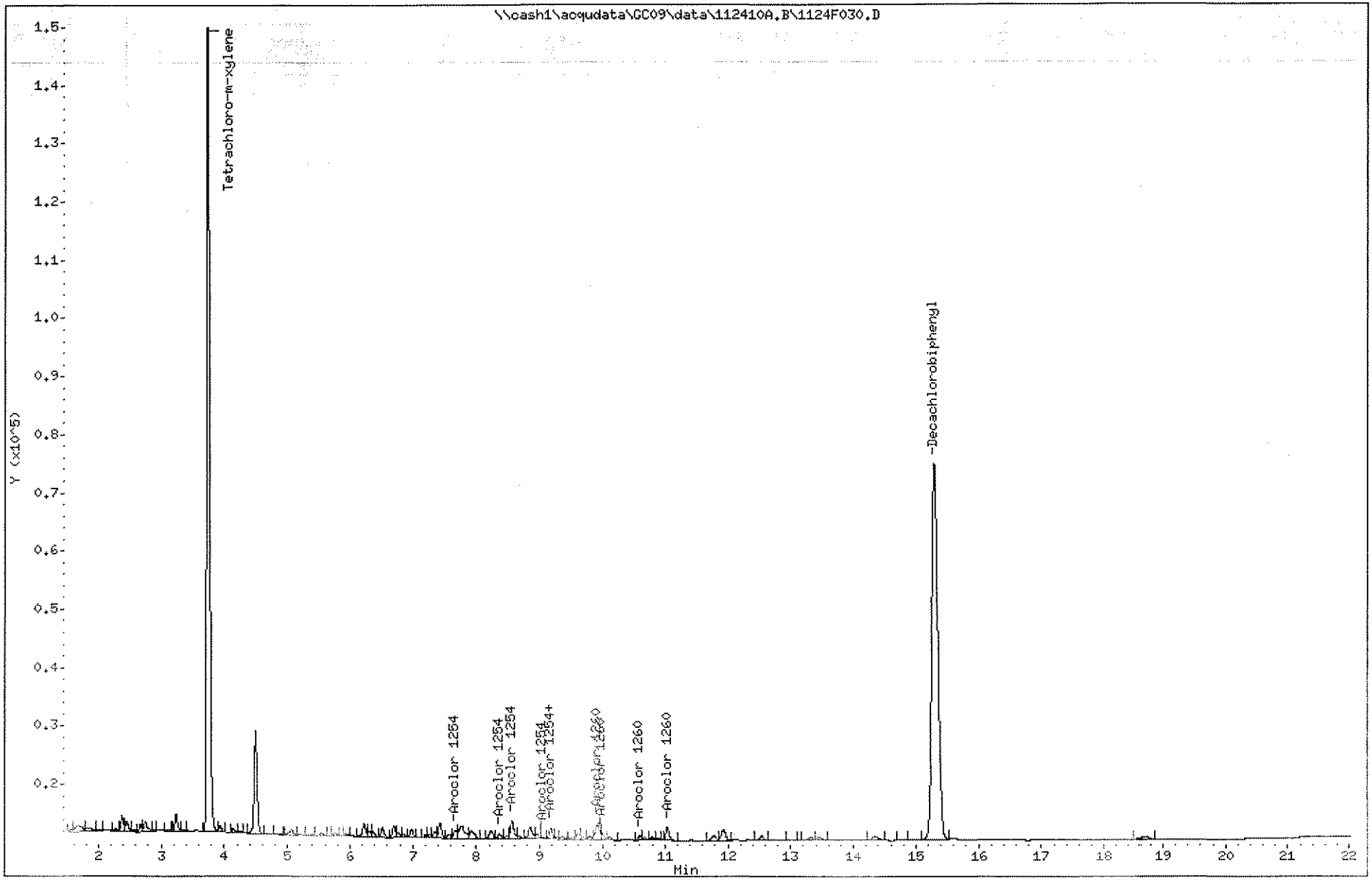
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F030.D
Date : 24-NOV-2010 23:49
Client ID:
Sample Info: K1012914-016

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



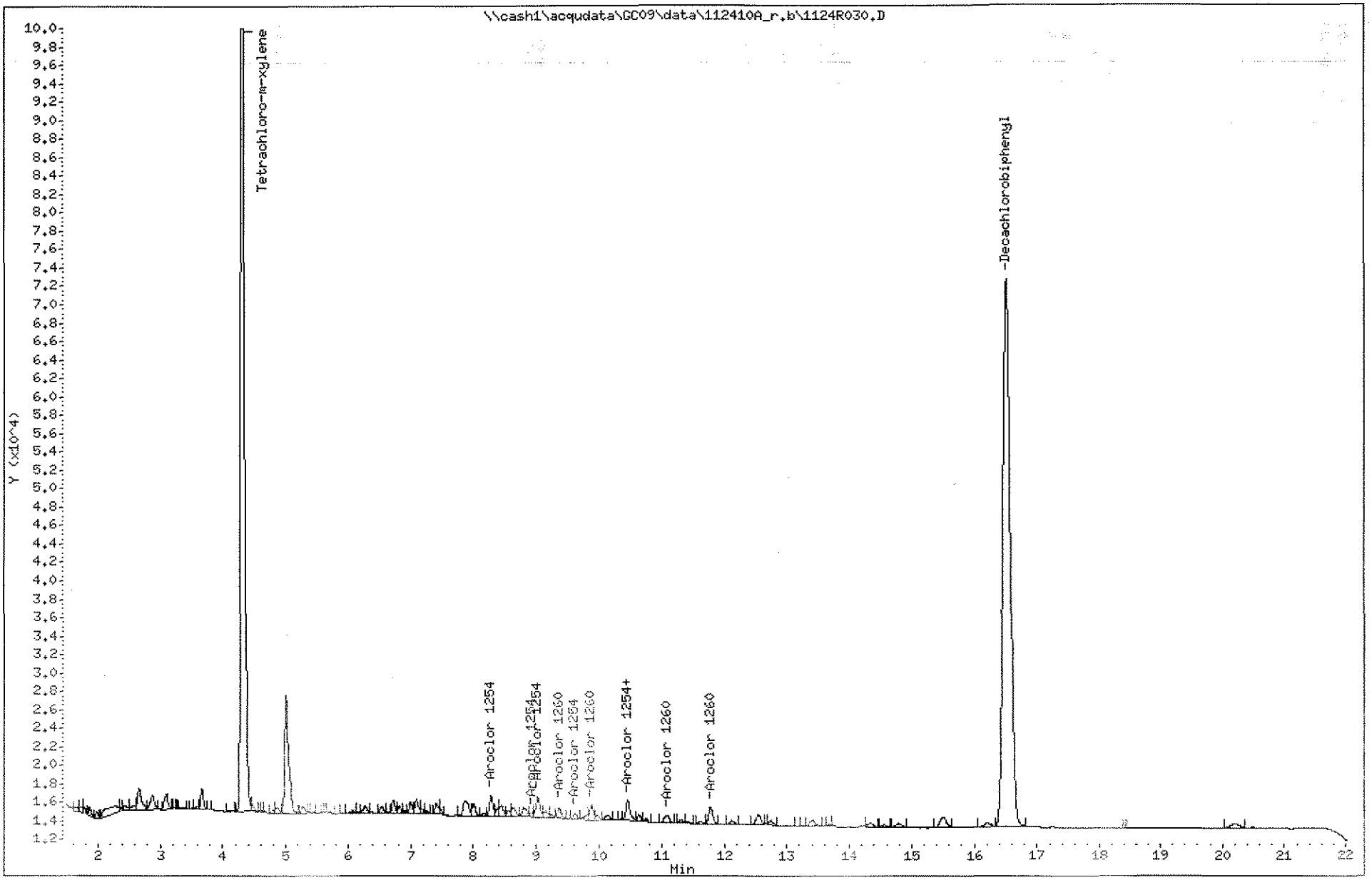
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R030.D
Date : 24-NOV-2010 23:49
Client ID:
Sample Info: K1012914-016

Instrument: GC09.i

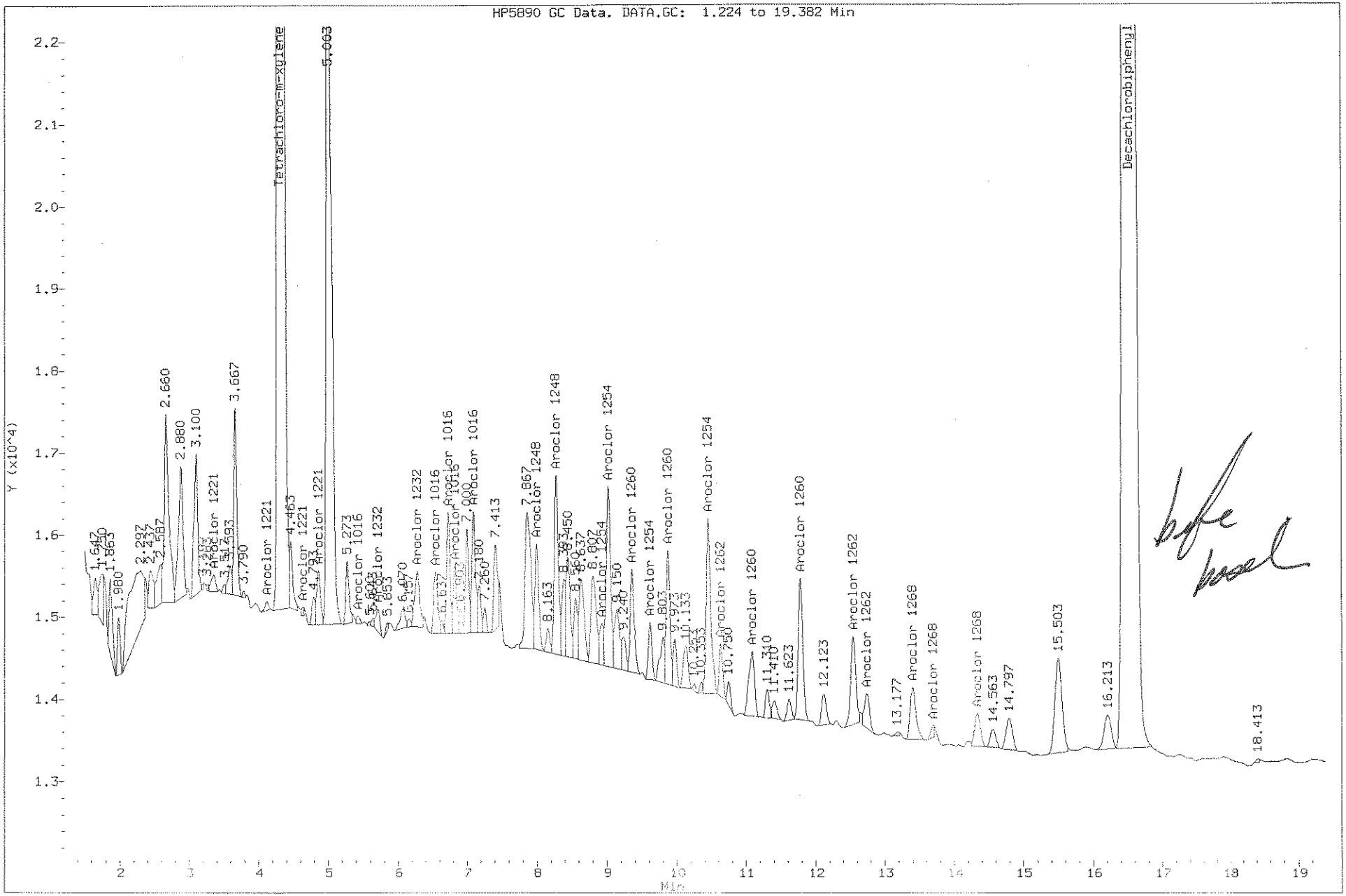
Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53

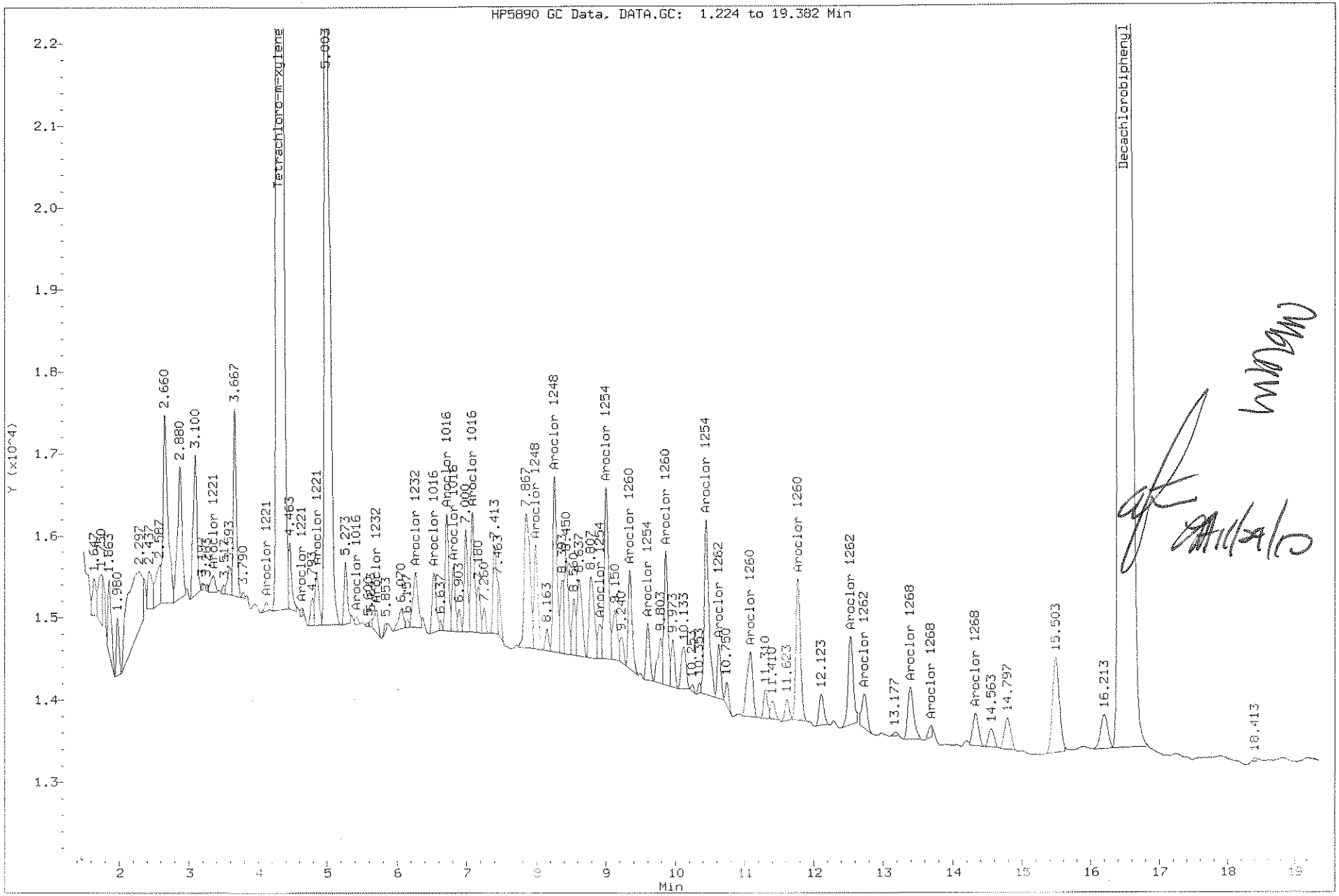


Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R030.D
Injection Date: 24-NOV-2010 23:49
Instrument: GC09.i
Client Sample ID:



1087

Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R030.D
Injection Date: 24-NOV-2010 23:49
Instrument: GC09.i
Client Sample ID:



1088

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0018	**Units:**	mg/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1221	ND	U	0.13	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1232	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1242	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1248	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1254	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1260	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1262	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1268	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	78	35-133	11/25/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F031.D
Lab ID: K1012914-017
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/25/2010 00:15
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1254 {5}	9.17	NA	NA	Coelutes
	Aroclor 1260 {1}	9.17	NA	NA	

Primary Review: 11/29/10

Secondary Review: WMD

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R031.D
Lab ID: K1012914-017
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/25/2010 00:15
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1254 {5}	10.46	NA	NA	Chelsea
	Aroclor 1260 {3}	10.46	NA	NA	

Primary Review: 11/29/10

Secondary Review:

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	K1012914
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981937	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ9899
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	**Method ID:**	MJ731
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F031.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R031.D			**Vial:**	18
Acqu Date:	11/25/2010 00:15	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-017				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.32	16.53	374288	430946	71.94	77.57			78OK
				%Recovery =	72OK	78OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F031.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R031.D			**Vial:**	18
Acqu Date:	11/25/2010 00:15	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-017				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	9.65	12.01	0.019U	0.019U	0.019U
Aroclor 1254 {1}	7.67	8.28	2192	3974	6.35	9.81	0.019U	0.019U	
Aroclor 1254 {2}	8.36	8.93	1143	1245	4.78	6.67	0.019U	0.019U	
Aroclor 1254 {3}	8.56	9.02	6964	5865	14.33	16.34	0.019U	0.019U	
Aroclor 1254 {4}	9.04	9.62	815	1644	1.92	5.66	0.019U	0.019U	
Aroclor 1254 {5}	9.17 c	10.46 c	4477	6802	20.88	21.55	0.019U	0.019U	
Aroclor 1260			0	0	11.61	13.96	0.019U	0.019U	0.019U
Aroclor 1260 {1}	9.17 c	9.36 +0.00	4477	2963	11.45	11.09	0.019U	0.019U	
Aroclor 1260 {2}	9.92	9.88	7385	4255	18.02	14.07	0.019U	0.019U	
Aroclor 1260 {3}	9.99	10.46 0.00 c	2140	6802	8.79	18.48	0.019U	0.019U	
Aroclor 1260 {4}	10.60 +0.00	11.10 0.00	1954	3435	8.31	14.16	0.019U	0.019U	
Aroclor 1260 {5}	11.04	11.79	5629	5391	11.49	12.00	0.019U	0.019U	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.07 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	82.0 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F031.D
Report Date: 29-Nov-2010 09:30

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F031.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R031.D
Inj Date : 25-NOV-2010 00:15
Sample Info: K1012914-017
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	395522	414732	68.8	73.2		100.00
Aroclor 1254	7.670	8.280	2192	3974	6.35	9.81	80.00- 120.00	100.00
	8.363	8.927	1143	1245	4.78	6.67	53.50- 80.26	52.14
	8.563	9.023	6964	5865	14.3	16.3	111.76- 167.65	317.70
	9.040	9.617	815	1644	1.92	5.66	97.53- 146.29	37.18
	9.170	10.460	4477	6802	20.9	21.6	49.15- 73.73	204.24
		Average of Peak Amounts =			9.65	12.0		
Aroclor 1260	9.170	9.363	4477	2963	11.4	11.1	80.00- 120.00	100.00
	9.920	9.877	7385	4255	18.0	14.1	82.23- 123.35	164.95
	9.990	10.460	2140	6802	8.79	18.5	52.09- 78.14	47.80
	10.600	11.097	1954	3435	8.31	14.2	51.96- 77.94	43.65
	11.040	11.787	5629	5391	11.5	12.0	99.50- 149.25	125.73
		Average of Peak Amounts =			11.6	14.0		
Decachlorobiphenyl	15.317	16.527	374288	430946	71.9	77.6		100.00

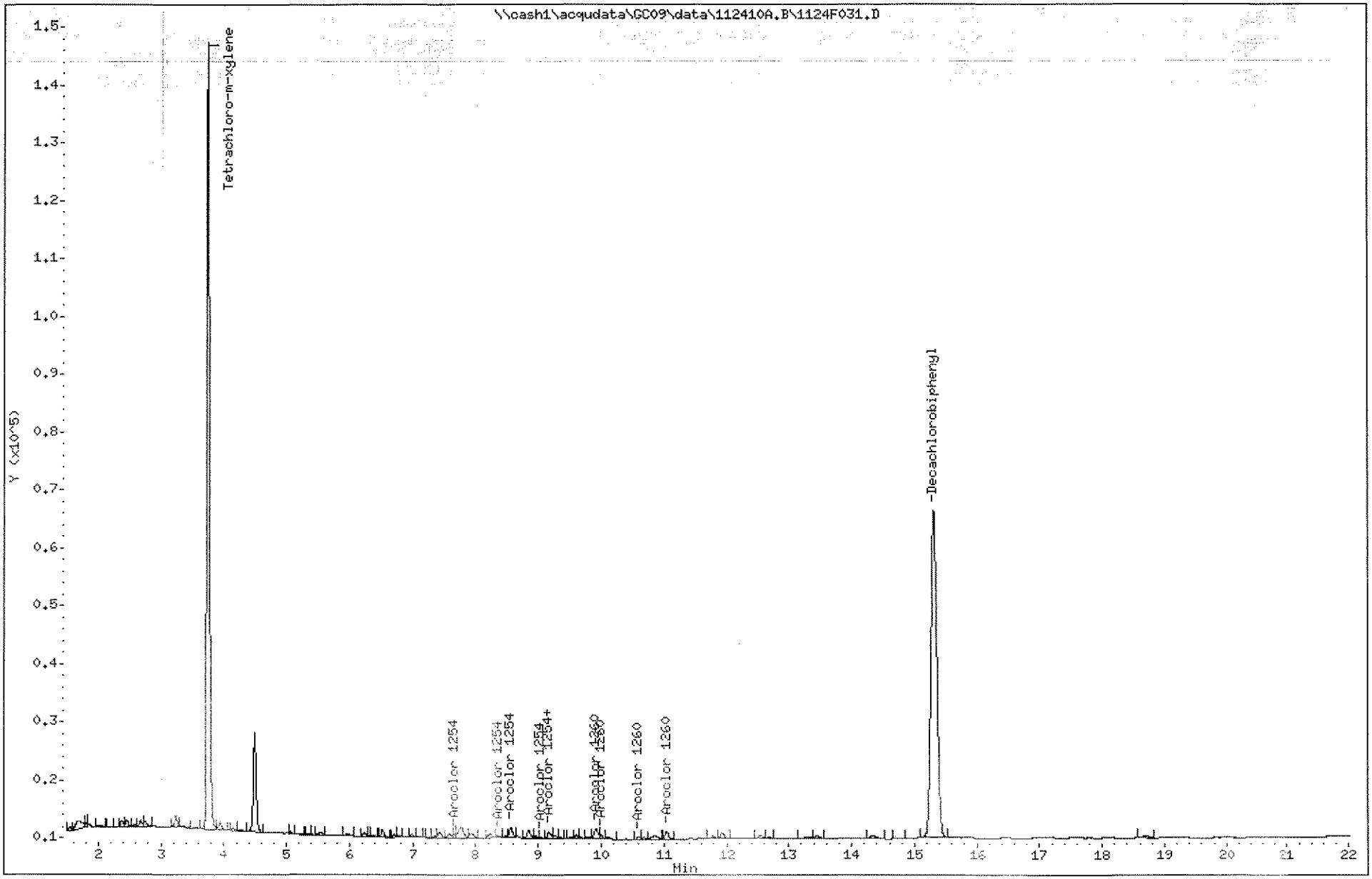
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F031.D
Date : 25-NOV-2010 00:15
Client ID:
Sample Info: K1012914-017

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



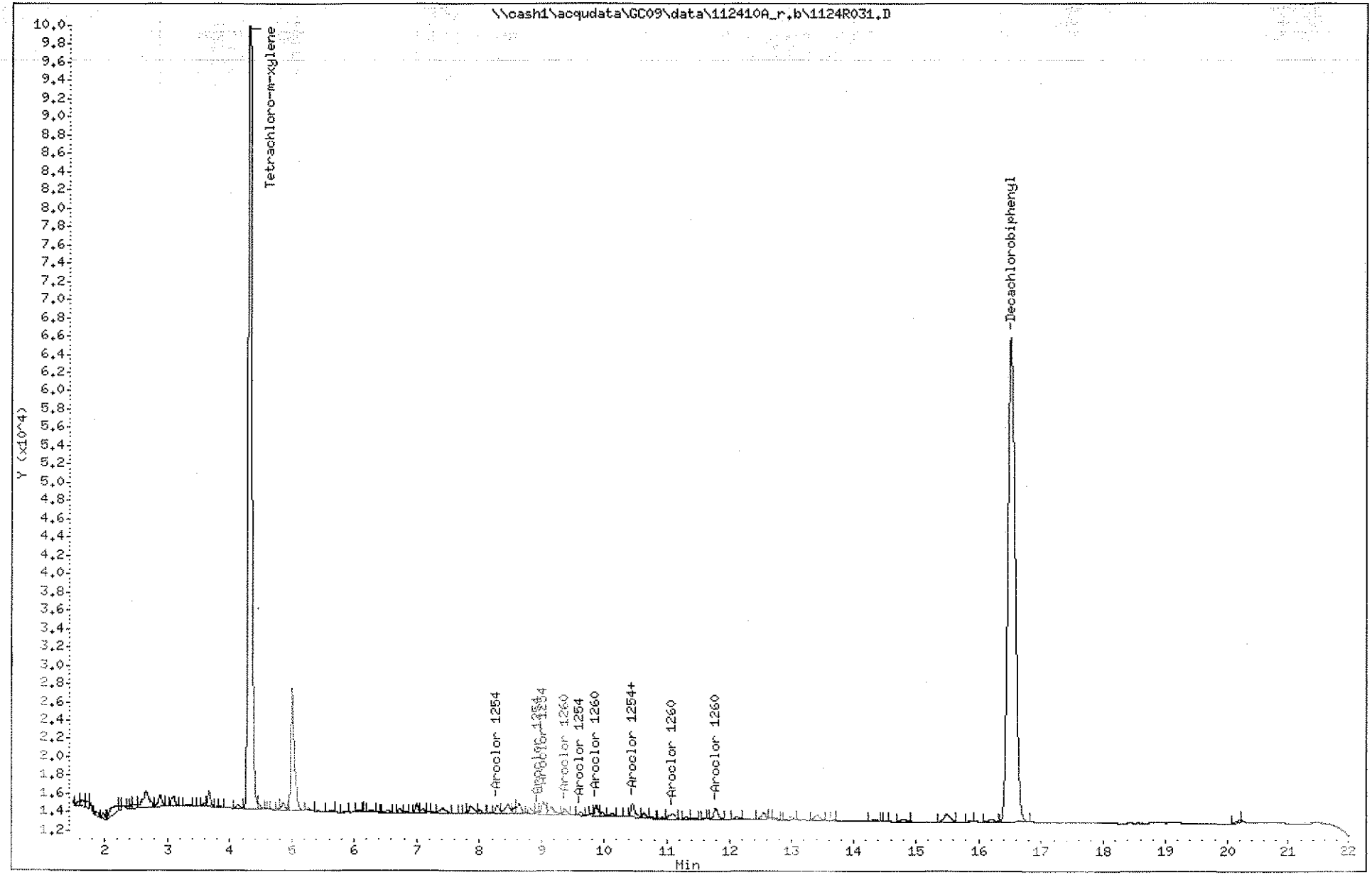
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R031.D
Date : 25-NOV-2010 00:15
Client ID:
Sample Info: K1012914-017

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0019	**Units:**	mg/Kg
Lab Code:	K1012914-018	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1232	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1242	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1248	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1254	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1260	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1262	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1268	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	59	35-133	11/25/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F032.D
Lab ID: K1012914-018
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/25/2010 00:42
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10
Secondary Review: [illegible]

Exception Report

Data File:	\\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R032.D	**Date Acquired:**	11/25/2010 00:42
Lab ID:	K1012914-018	**Date Quantitated:**	11/29/2010 09:30
RunType:	SMPL	**Batch ID:**	KWG1012978
Matrix:	SEDIMENT	**Analysis Method:**	8082
		MethodJoinID:	MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	K1012914
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981938	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ9899
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	**Method ID:**	MJ731
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F032.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R032.D			**Vial:**	19
Acqu Date:	11/25/2010 00:42	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-018				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.32	16.53	284737	325573	54.73	58.61			59OK
				%Recovery =	55OK	59OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1016 {1}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {2}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {3}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {4}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {5}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {2}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F032.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R032.D			**Vial:**	19
Acqu Date:	11/25/2010 00:42	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-018				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260			0	0	11.06	13.79	0.019U	0.019U	0.019U
Aroclor 1260 {1}	9.17	9.36	3859m	2306	9.87	8.63	0.019U	0.019U	
Aroclor 1260 {2}	9.92	9.88 +0.00	6945m	3369	16.95	11.14	0.019U	0.019U	
Aroclor 1260 {3}	9.99 0.00	10.46 0.00	2005m	7748	8.24	21.05	0.019U	0.019U	
Aroclor 1260 {4}	10.60 +0.00	11.09 -0.01	1481m	3503	6.30	14.44	0.019U	0.019U	
Aroclor 1260 {5}	11.04	11.79	6829m	6144	13.94	13.68	0.019U	0.019U	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.03 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	84.5 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F032.D
Report Date: 29-Nov-2010 09:30

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F032.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R032.D
Inj Date : 25-NOV-2010 00:42
Sample Info: K1012914-018
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	282860	291285	49.2	51.4		100.00
Aroclor 1260	9.170	9.360	3859	2306	9.87	8.63	80.00- 120.00	100.00(M)
	9.920	9.880	6945	3369	17.0	11.1	82.23- 123.35	179.98(M)
	9.987	10.460	2005	7748	8.23	21.0	52.09- 78.14	51.96(M)
	10.600	11.090	1481	3503	6.30	14.4	51.96- 77.94	38.38(M)
	11.040	11.787	6829	6144	13.9	13.7	99.50- 149.25	176.96(M)
			Average of Peak Amounts =		11.1	13.8		
Decachlorobiphenyl	15.317	16.527	284737	325573	54.7	58.6		100.00

QC Flag Legend

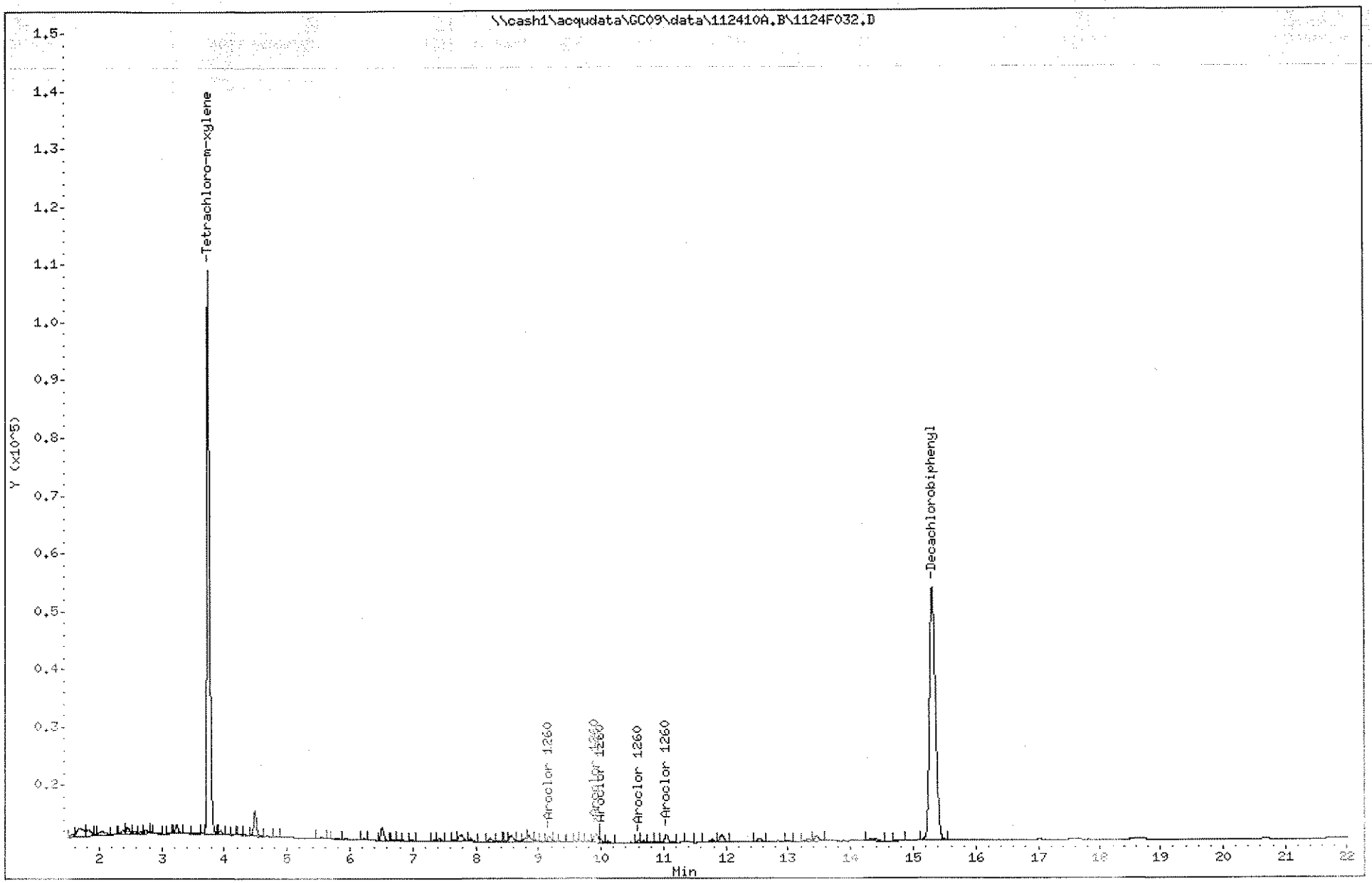
M - Compound response manually integrated.

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F032.D
Date : 25-NOV-2010 00:42
Client ID:
Sample Info: K1012914-018

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



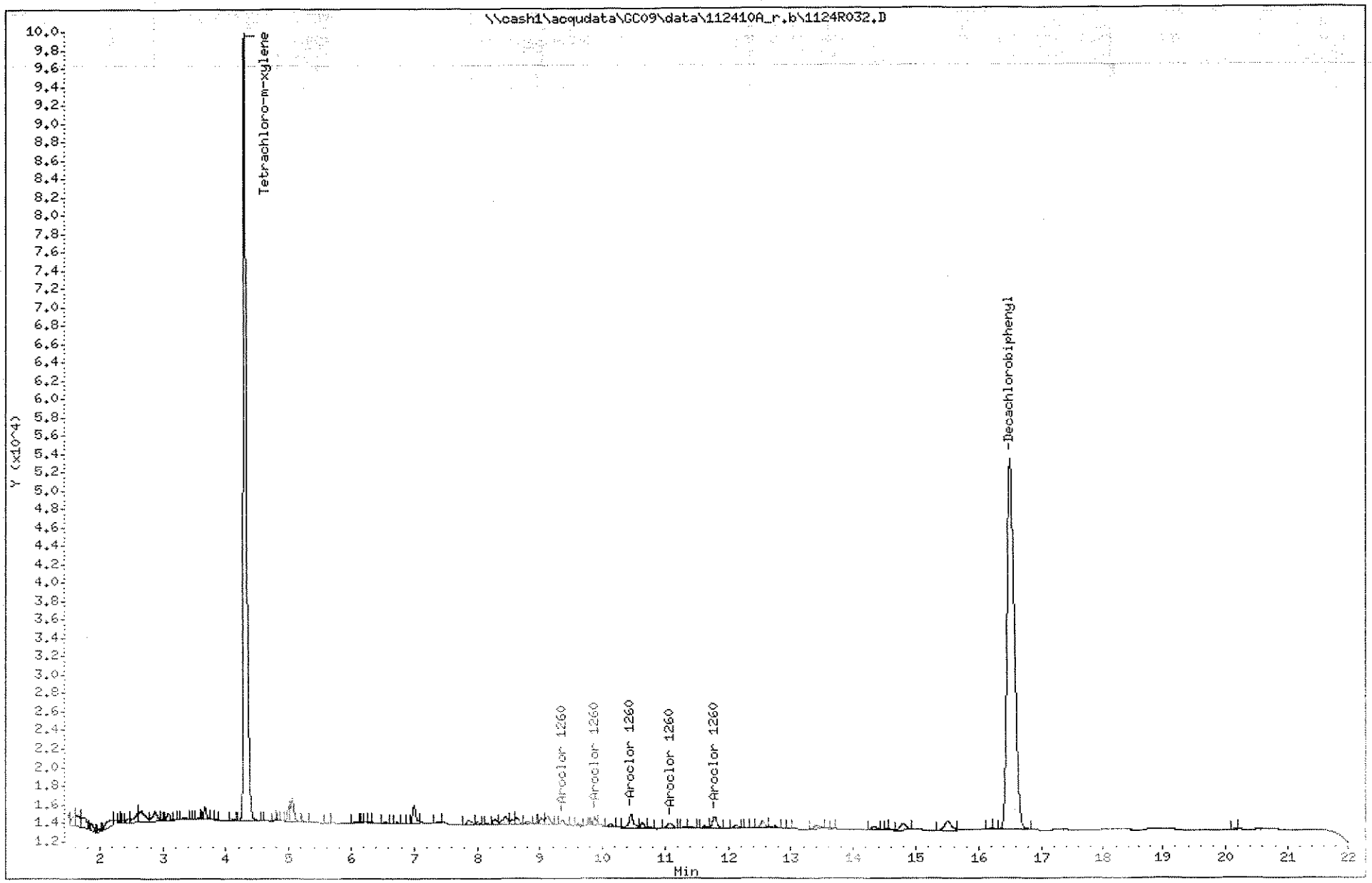
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R032.D
Date : 25-NOV-2010 00:42
Client ID:
Sample Info: K1012914-018

Instrument: GC09.i

Operator: LHarris

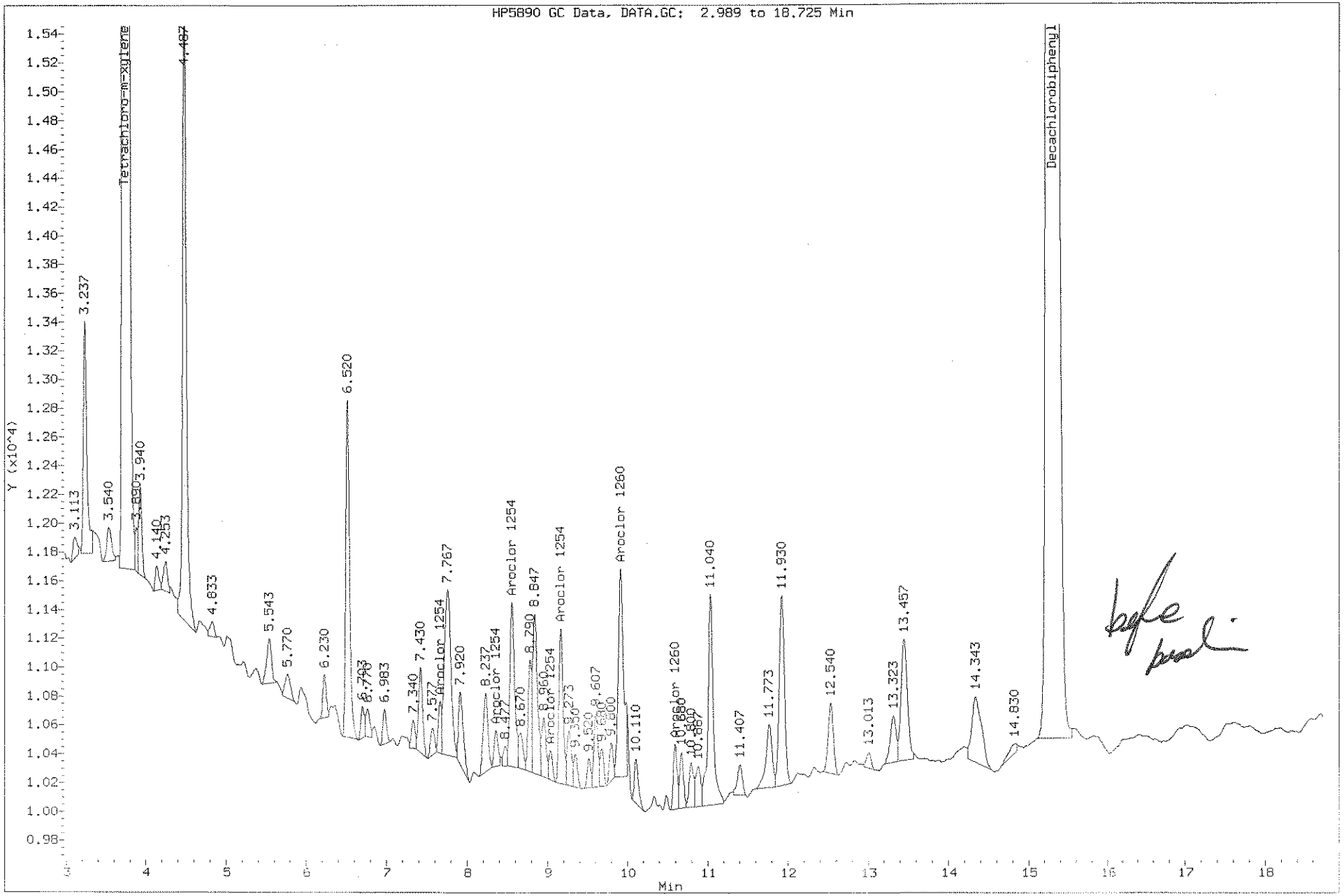
Column phase: DB-XLB

Column diameter: 0.53



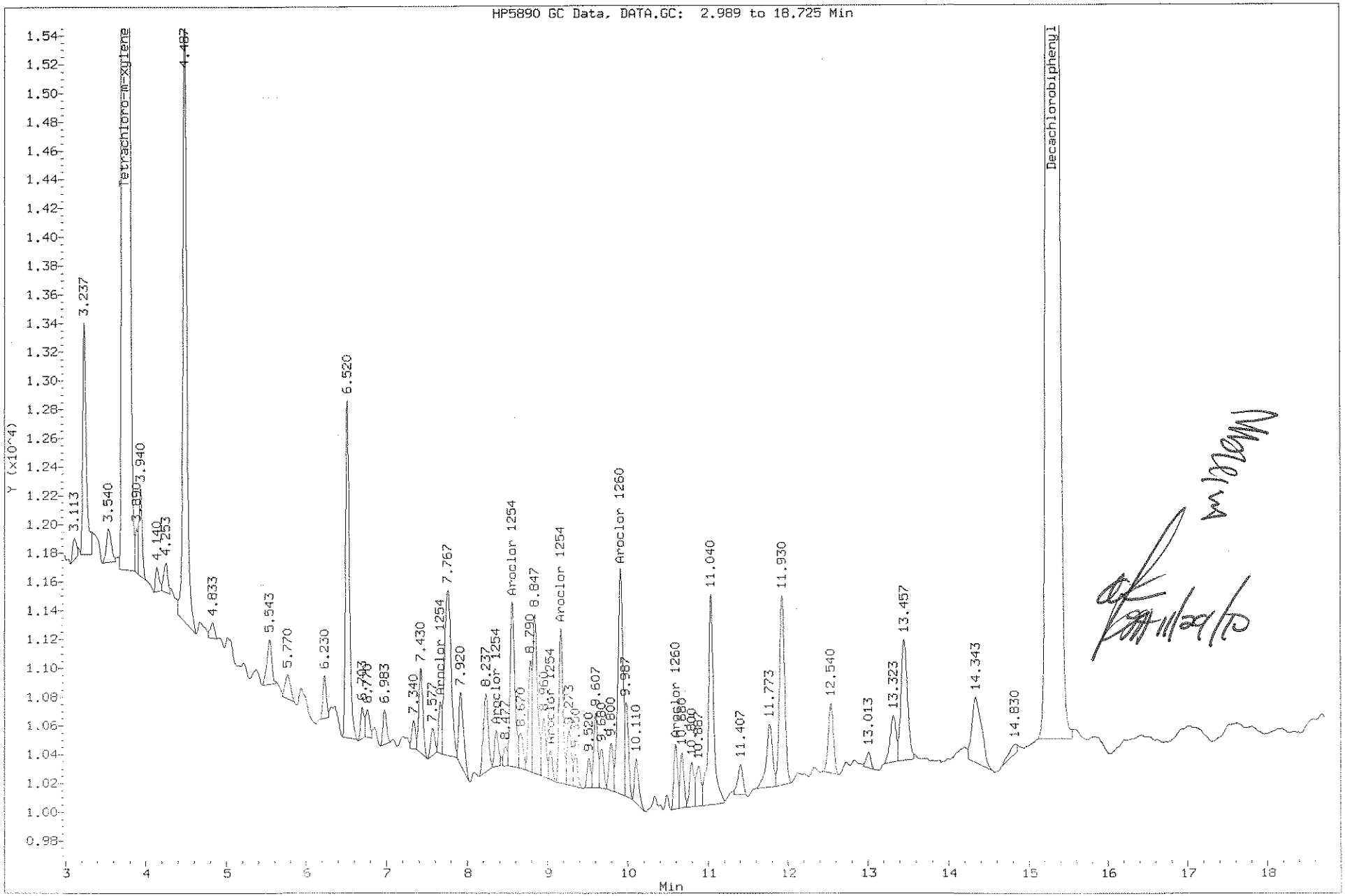
1104

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F032.D
Injection Date: 25-NOV-2010 00:42
Instrument: GC09.i
Client Sample ID:



1105

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F032.D
Injection Date: 25-NOV-2010 00:42
Instrument: GC09.i
Client Sample ID:



1106

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0020	**Units:**	mg/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1232	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1242	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1248	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1254	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1260	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1262	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1268	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	35-133	11/25/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F033.D
Lab ID: K1012914-019
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/25/2010 01:08
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1254 {5}	9.17	NA	NA	[illegible]
	Aroclor 1260 {1}	9.17	NA	NA	

Primary Review: [illegible] 11/29/10

Secondary Review: [illegible]

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R033.D
Lab ID: K1012914-019
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/25/2010 01:08
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1254 {5}	10.46	NA	NA	Calsep
	Aroclor 1260 {3}	10.46	NA	NA	

Primary Review: 11/29/10

Secondary Review:

Printed: 11/29/2010 10:15:30
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		Tier:	V	Matrix:	SEDIMENT
Prod Code:	8082 PCB	Collect Date:	11/15/2010	Receive Date:	11/17/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	K1012914
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981931	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ9899
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	**Method ID:**	MJ731
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F033.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R033.D			**Vial:**	20
Acqu Date:	11/25/2010 01:08	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-019				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.32	16.53	441593	500793	84.88	90.15			90OK
				%Recovery =	85OK	90OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F033.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R033.D			**Vial:**	20
Acqu Date:	11/25/2010 01:08	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-019				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	12.05	15.62	0.019U	0.019U	0.019U
Aroclor 1254 {1}	7.75	8.29	0	7479	0.0000	18.46	0.019U	0.019U	
Aroclor 1254 {2}	8.42	8.81	568	1556	2.38	8.33	0.019U	0.019U	
Aroclor 1254 {3}	8.56	9.03	6517	4972	13.41	13.85	0.019U	0.019U	
Aroclor 1254 {4}	8.96	9.61	2646	2302	6.25	7.92	0.019U	0.019U	
Aroclor 1254 {5}	9.17 c	10.46 c	5609	9324	26.16	29.54	0.019U	0.019U	
Aroclor 1260			0	0	14.31	19.19	0.019U	0.019U	0.019U
Aroclor 1260 {1}	9.17 c	9.36	5609	3710	14.35	13.89	0.019U	0.019U	
Aroclor 1260 {2}	9.92	9.88	8770	7236	21.40	23.92	0.019U	0.019U	
Aroclor 1260 {3}	9.99	10.46 0.00 c	2683	9324	11.02	25.33	0.019U	0.019U	
Aroclor 1260 {4}	10.60 +0.00	11.10 0.00	2252	3708	9.58	15.28	0.019U	0.019U	
Aroclor 1260 {5}	11.04	11.79	7458	7875	15.22	17.53	0.019U	0.019U	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.29 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	85.1 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F033.D
Report Date: 29-Nov-2010 09:30

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F033.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R033.D
Inj Date : 25-NOV-2010 01:08
Sample Info: K1012914-019
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	448350	464584	77.9	82.0		100.00
Aroclor 1254	7.747	8.293		7479		18.5	80.00- 120.00	100.00
	8.423	8.810	568	1556	2.38	8.33	53.50- 80.26	1.30
	8.560	9.030	6517	4972	13.4	13.8	111.76- 167.65	14.88
	8.963	9.613	2646	2302	6.24	7.92	97.53- 146.29	6.04
	9.170	10.460	5609	9324	26.2	29.5	49.15- 73.73	12.81
		Average of Peak Amounts =			12.0	15.6		
Aroclor 1260	9.170	9.360	5609	3710	14.3	13.9	80.00- 120.00	100.00
	9.920	9.877	8770	7236	21.4	23.9	82.23- 123.35	156.36
	9.990	10.460	2683	9324	11.0	25.3	52.09- 78.14	47.83
	10.600	11.097	2252	3708	9.58	15.3	51.96- 77.94	40.15
	11.040	11.787	7458	7875	15.2	17.5	99.50- 149.25	132.96
		Average of Peak Amounts =			14.3	19.2		
Decachlorobiphenyl	15.317	16.527	441593	500793	84.9	90.1		100.00

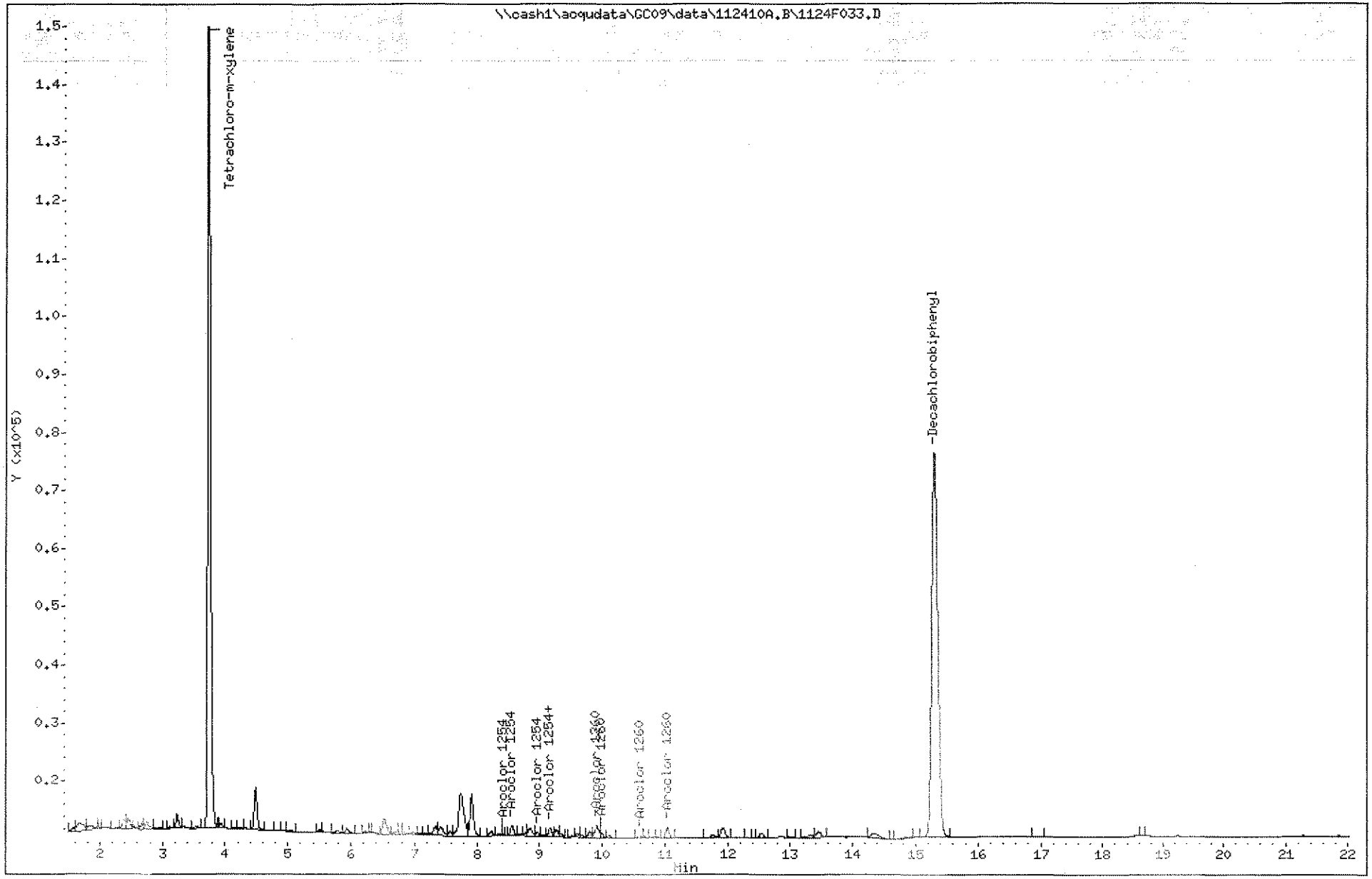
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F033.D
Date : 25-NOV-2010 01:08
Client ID:
Sample Info: K1012914-019

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



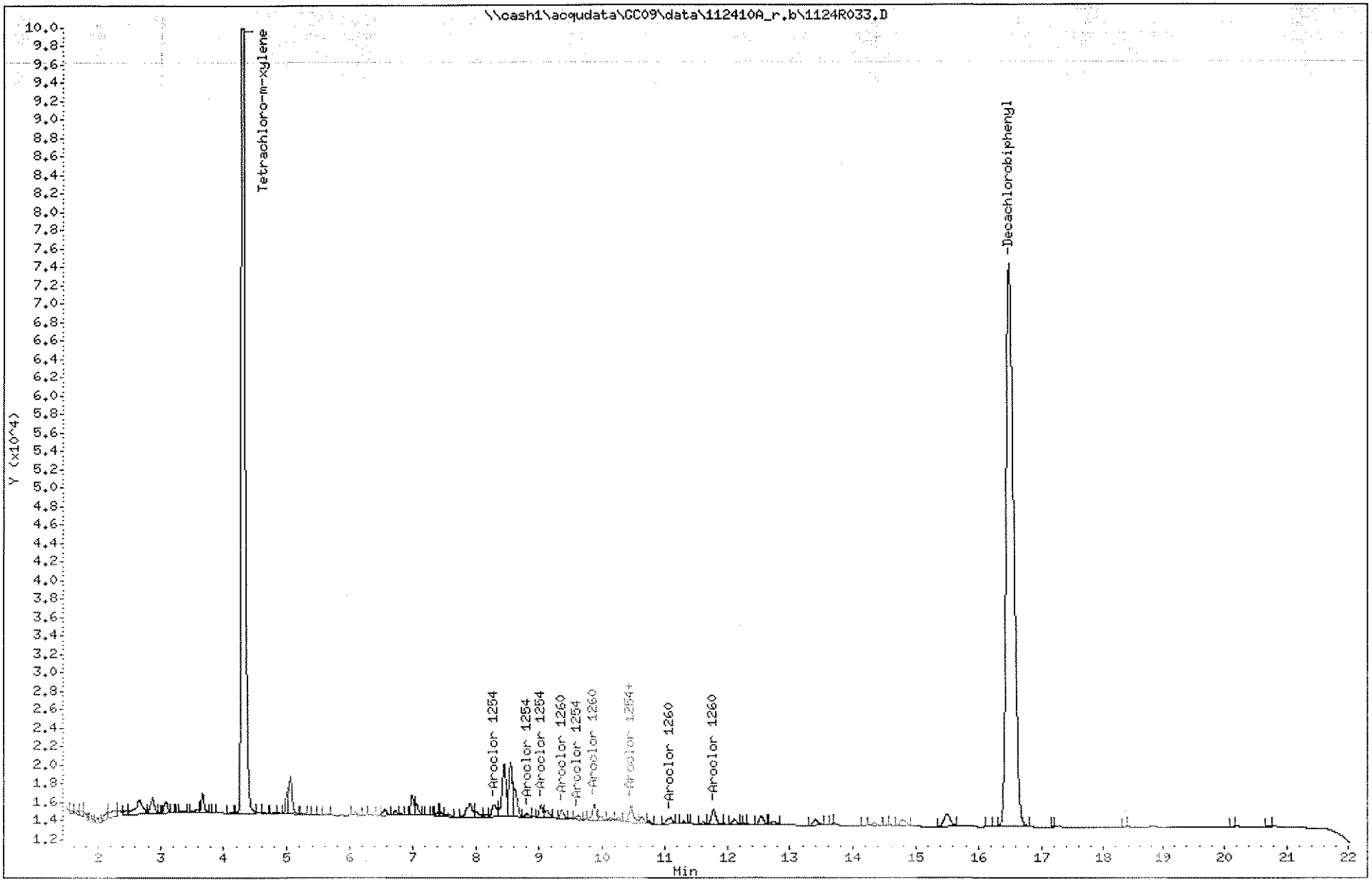
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R033.D
Date : 25-NOV-2010 01:08
Client ID:
Sample Info: K1012914-019

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1114

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Polychlorinated Biphenyls(PCBs)

Sample Name:	FW0001	**Units:**	ug/WIPE
Lab Code:	K1012914-029	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	70-130	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F016.D
Lab ID: K1012914-029
RunType: SMPL
Matrix: WIPE

Date Acquired: 11/24/2010 17:37
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Lab Control Spike	Aroclor 1016 {1}	68	70	130	MCAVG
	Aroclor 1016 {4}	65	70	130	
	Aroclor 1260 {2}	68	70	130	
Duplicate Lab Control Spike	Aroclor 1016 {4}	66	70	130	
	Aroclor 1260 {2}	68	70	130	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R016.D
Lab ID: K1012914-029
RunType: SMPL
Matrix: WIPE

Date Acquired: 11/24/2010 17:37
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Lab Control Spike	Aroclor 1016 {1}	68	70	130	MCAUG
	Aroclor 1016 {4}	65	70	130	
	Aroclor 1260 {2}	68	70	130	
Duplicate Lab Control Spike	Aroclor 1016 {4}	66	70	130	
	Aroclor 1260 {2}	68	70	130	

Primary Review: 11/29/10

Secondary Review: 11/30/10

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	WIPE
Prod Code:	8082 PCB	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012936	**Report Group:**	K1012914
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981951	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:	Polychlorinated Biphenyls(PCBs)	**Report List ID:**	LJ6324
MB Ref:	J:\GC09\DATA\112410A.B\1124F013.D	**Method ID:**	MJ346
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F016.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R016.D			**Vial:**	6
Acqu Date:	11/24/2010 17:37	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-029				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.31	0.00	16.52	-0.01	439751	497857	84.52	89.62			90OK
						%Recovery =	85OK	90OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F016.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R016.D			**Vial:**	6
Acqu Date:	11/24/2010 17:37	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-029				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1260 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1262 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1268 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {5}			0	0	0.0000	0.0000	0.14U	0.14U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F016.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F016.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R016.D
Inj Date : 24-NOV-2010 17:37
Sample Info: K1012914-029
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.747	4.310	393463	416868	68.4	73.5		100.00
Decachlorobiphenyl	15.313	16.523	439751	497857	84.5	89.6		100.00

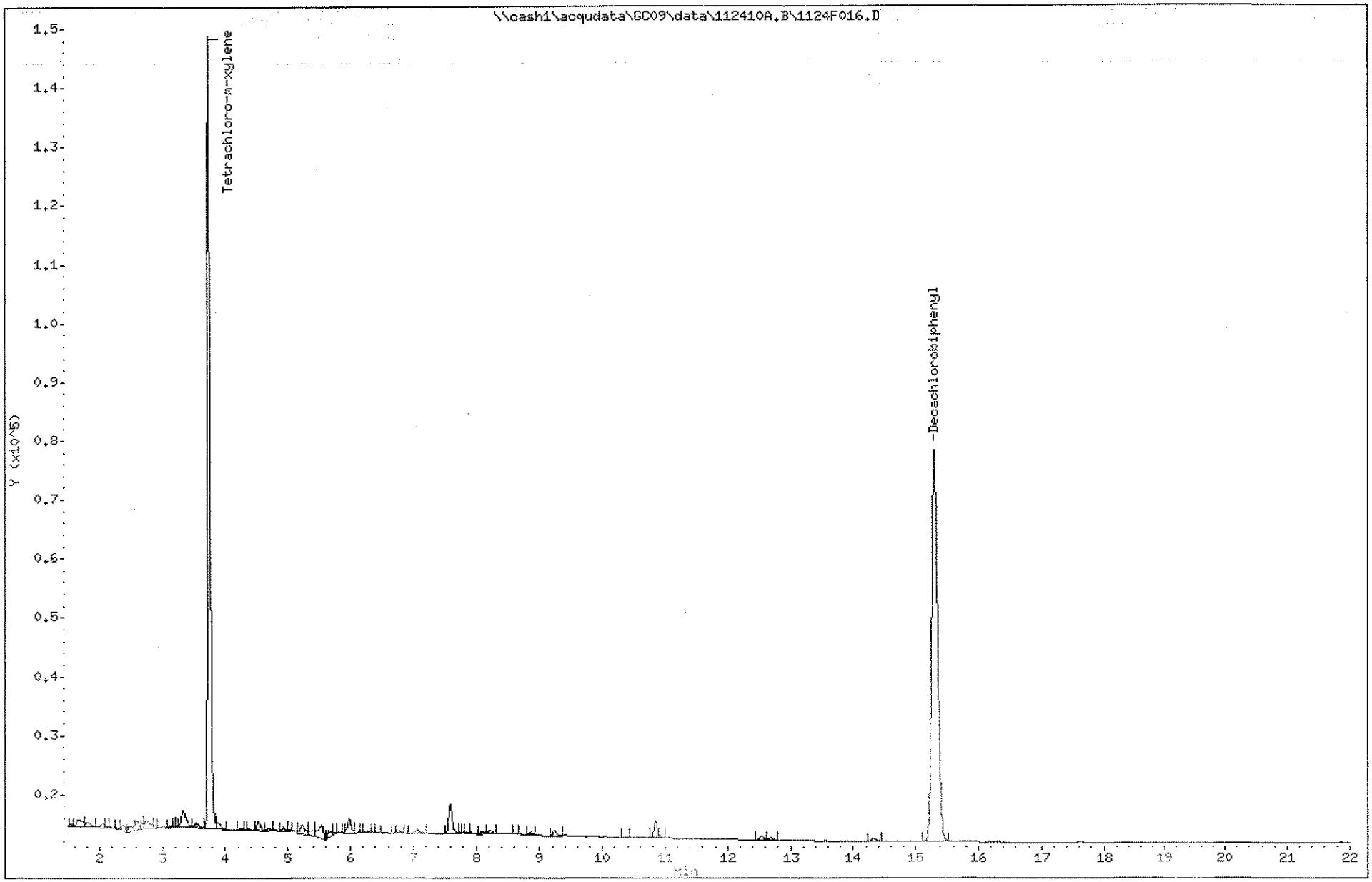
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F016.D
Date : 24-NOV-2010 17:37
Client ID:
Sample Info: K1012914-029

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



1121

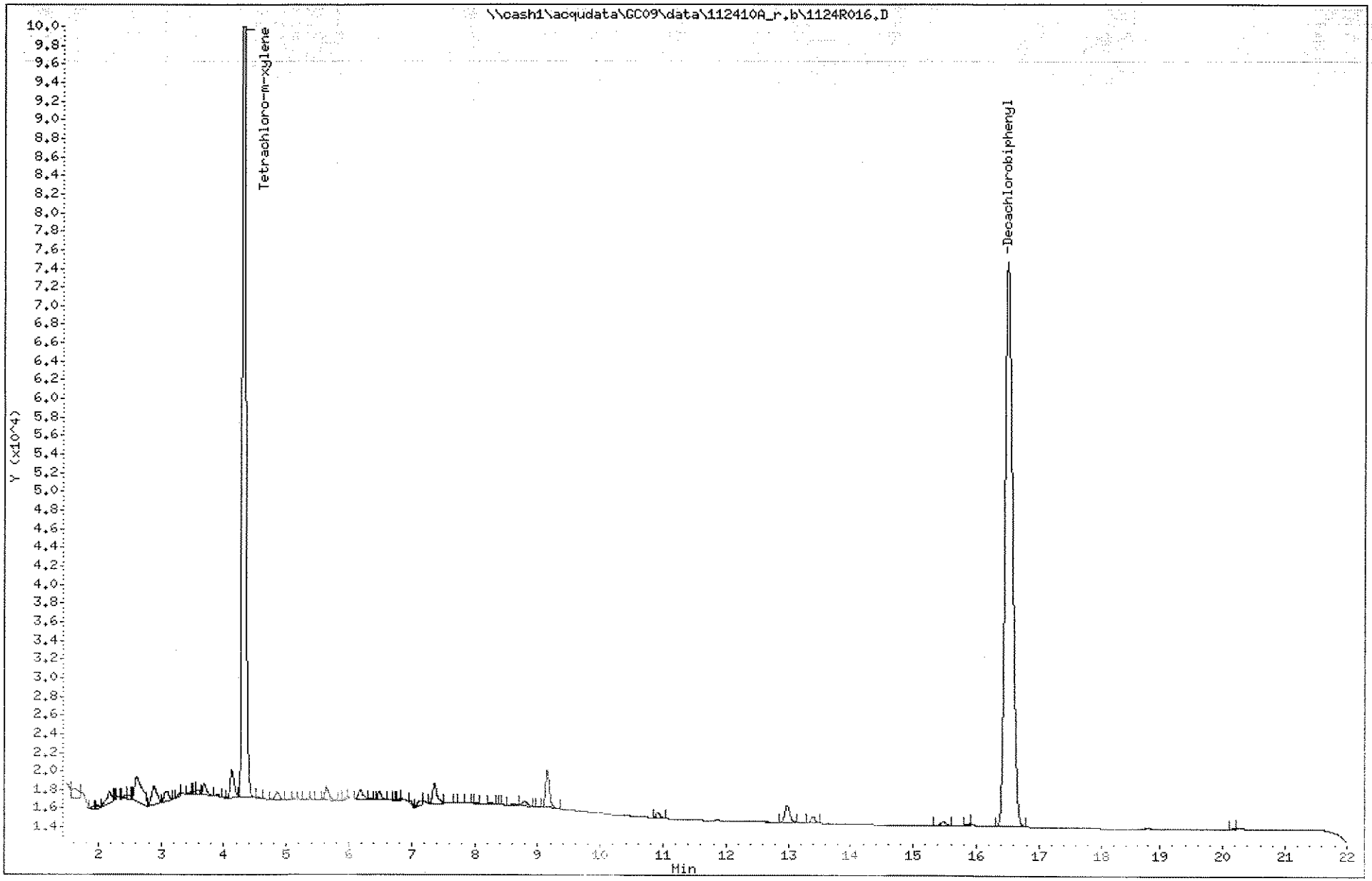
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R016.D
Date : 24-NOV-2010 17:37
Client ID:
Sample Info: K1012914-029

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1122

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Polychlorinated Biphenyls(PCBs)

Sample Name:	FW0002	**Units:**	ug/WIPE
Lab Code:	K1012914-030	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	70-130	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F017.D
Lab ID: K1012914-030
RunType: SMPL
Matrix: WIPE

Date Acquired: 11/24/2010 18:03
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Lab Control Spike	Aroclor 1016 {1}	68	70	130	MCAVG
	Aroclor 1016 {4}	65	70	130	
	Aroclor 1260 {2}	68	70	130	
Duplicate Lab Control Spike	Aroclor 1016 {4}	66	70	130	
	Aroclor 1260 {2}	68	70	130	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Printed: 11/29/2010 10:13:57
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File:	\\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R017.D	**Date Acquired:**	11/24/2010 18:03
Lab ID:	K1012914-030	**Date Quantitated:**	11/29/2010 09:30
RunType:	SMPL	**Batch ID:**	KWG1012978
Matrix:	WIPE	**Analysis Method:**	8082
		MethodJoinID:	MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Lab Control Spike	Aroclor 1016 {1}	68	70	130	MCAUC
	Aroclor 1016 {4}	65	70	130	
	Aroclor 1260 {2}	68	70	130	
Duplicate Lab Control Spike	Aroclor 1016 {4}	66	70	130	
	Aroclor 1260 {2}	68	70	130	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Printed: 11/29/2010 10:14:00
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	WIPE
Prod Code:	8082 PCB	**Collect Date:**	11/16/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012936	**Report Group:**	K1012914
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981952	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:	Polychlorinated Biphenyls(PCBs)	**Report List ID:**	LJ6324
MB Ref:	J:\GC09\DATA\112410A.B\1124F013.D	**Method ID:**	MJ346
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F017.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R017.D			**Vial:**	7
Acqu Date:	11/24/2010 18:03	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-030				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.31	0.00	16.53	0.00	445114	499643	85.55	89.94			90OK
						%Recovery =	86OK	90OK	**Limits =**	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1016 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1221 {1}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {2}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {3}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {4}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1232 {1}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {2}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {3}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {4}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
fc: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F017.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R017.D			**Vial:**	7
Acqu Date:	11/24/2010 18:03	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-030				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1248 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1254 {1}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {2}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {3}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {4}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {5}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1260 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1262 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1268 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {5}			0	0	0.0000	0.0000	0.14U	0.14U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F017.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F017.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R017.D
Inj Date : 24-NOV-2010 18:03
Sample Info: K1012914-030
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	434527	452777	75.5	79.9		100.00
Decachlorobiphenyl	15.313	16.527	445114	499643	85.6	89.9		100.00

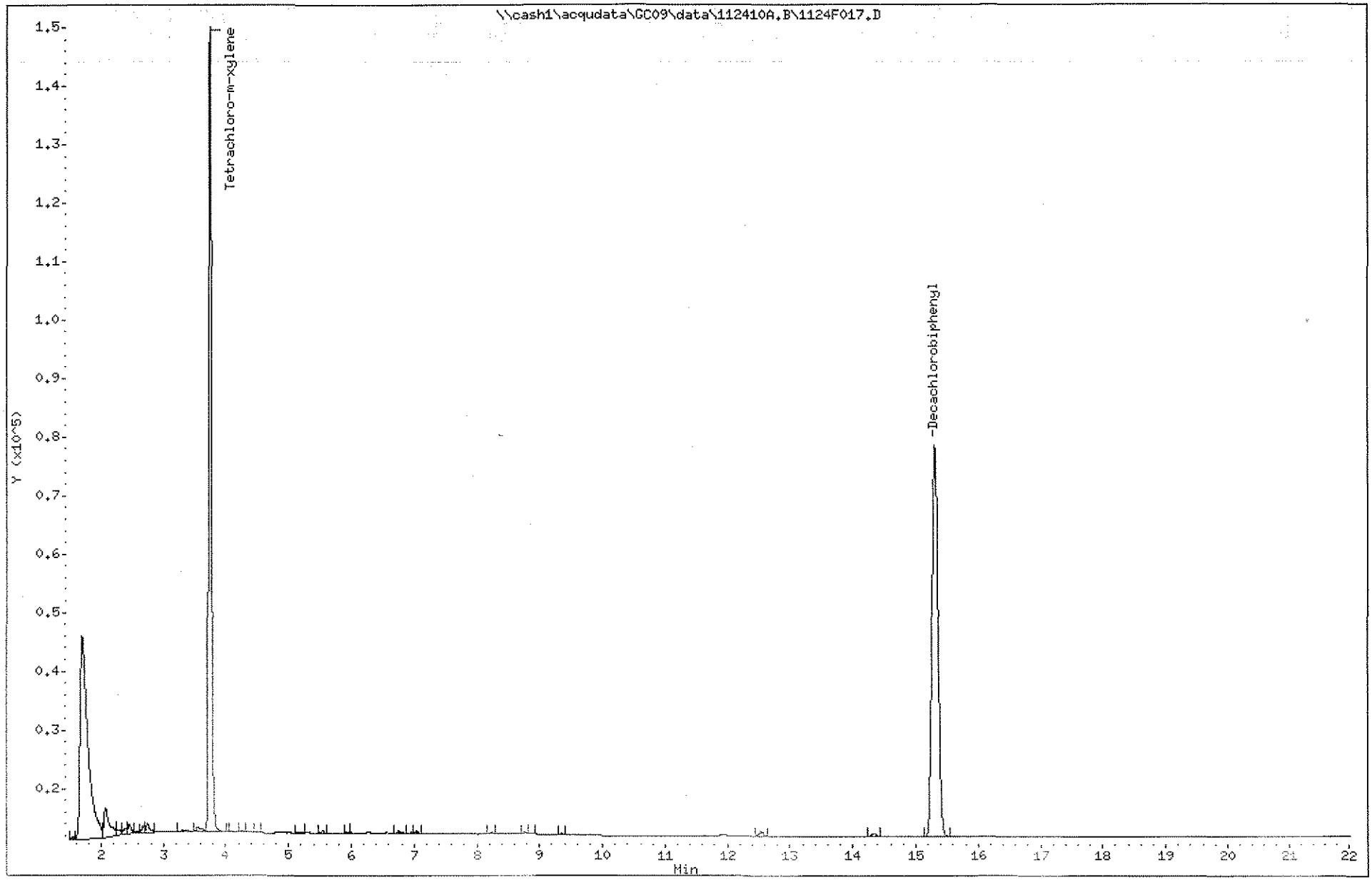
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F017.D
Date : 24-NOV-2010 18:03
Client ID:
Sample Info: K1012914-030

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



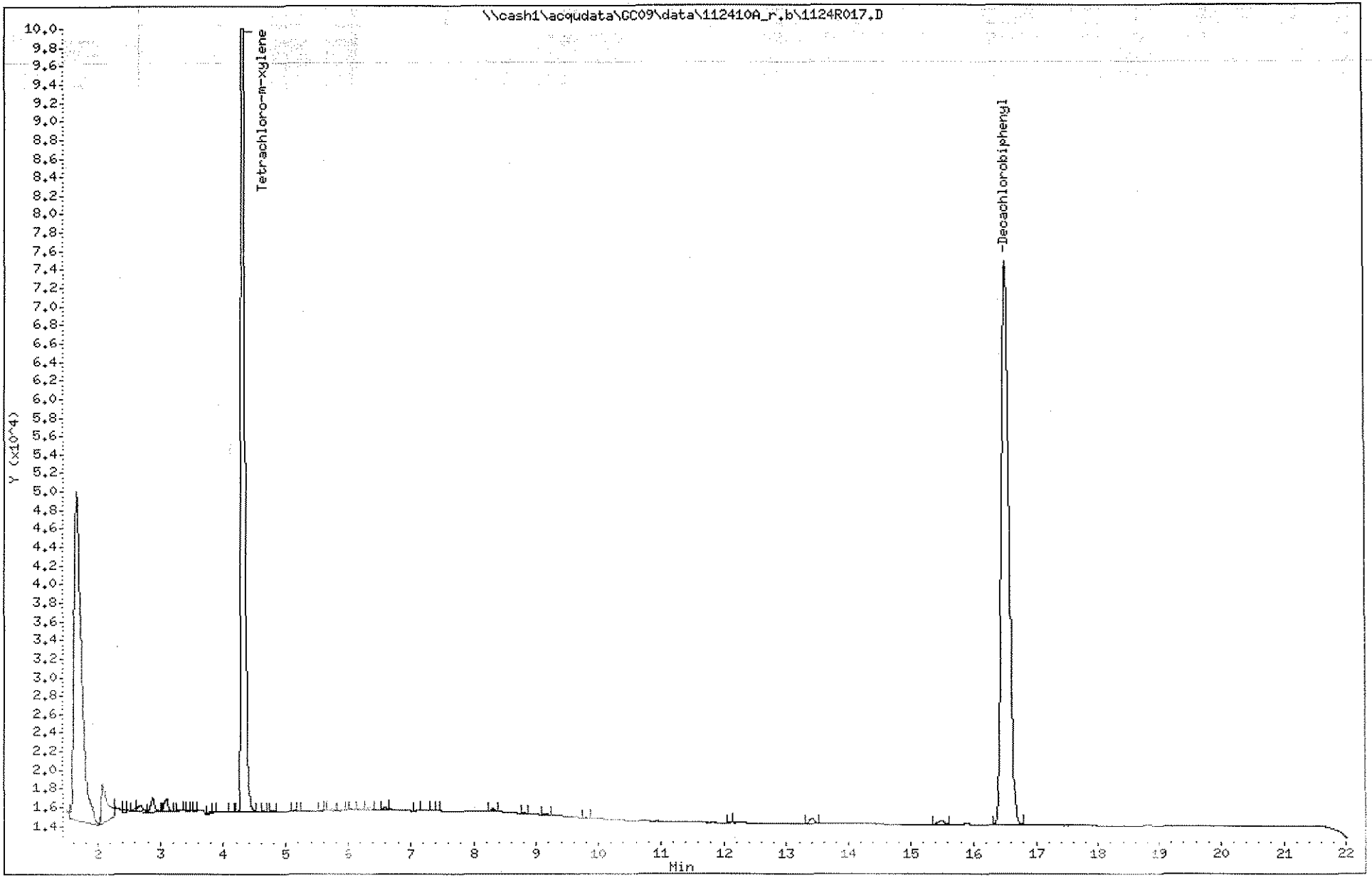
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R017.D
Date : 24-NOV-2010 18:03
Client ID:
Sample Info: K1012914-030

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1130

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Polychlorinated Biphenyls(PCBs)

Sample Name:	FW0003	**Units:**	ug/WIPE
Lab Code:	K1012914-031	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	70-130	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F018.D
Lab ID: K1012914-031
RunType: SMPL
Matrix: WIPE

Date Acquired: 11/24/2010 18:30
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Lab Control Spike	Aroclor 1016 {1}	68	70	130	MCAUG
	Aroclor 1016 {4}	65	70	130	
	Aroclor 1260 {2}	68	70	130	
Duplicate Lab Control Spike	Aroclor 1016 {4}	66	70	130	
	Aroclor 1260 {2}	68	70	130	

Primary Review: 11/29/10

Secondary Review: MMOHO

Exception Report

Data File:	\\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R018.D	**Date Acquired:**	11/24/2010 18:30
Lab ID:	K1012914-031	**Date Quantitated:**	11/29/2010 09:30
RunType:	SMPL	**Batch ID:**	KWG1012978
Matrix:	WIPE	**Analysis Method:**	8082
		MethodJoinID:	MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Lab Control Spike	Aroclor 1016 {1}	68	70	130	MCAUG
	Aroclor 1016 {4}	65	70	130	
	Aroclor 1260 {2}	68	70	130	
Duplicate Lab Control Spike	Aroclor 1016 {4}	66	70	130	
	Aroclor 1260 {2}	68	70	130	

Primary Review: 11/29/10

Secondary Review: 11/30/10

Quantitation Report

Bottle ID:		Tier:	V	Matrix:	WIPE
Prod Code:	8082 PCB	Collect Date:	11/16/2010	Receive Date:	11/17/2010

Analysis Lot:	KWG1012978	Prep Lot:	KWG1012936	Report Group:	K1012914
Analysis Method:	8082	Prep Method:	EPA 3541		
Prep Ref:	981950	Prep Date:	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	Calibration ID:	CAL9990
Title:	Polychlorinated Biphenyls(PCBs)	Report List ID:	LJ6324
MB Ref:	J:\GC09\DATA\112410A.B\1124F013.D	Method ID:	MJ346
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112410A.B\1124F018.D			Instrument:	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R018.D			Vial:	8
Acqu Date:	11/24/2010 18:30	Quant Date:	11/29/2010 09:29	Dilution:	1.0
Run Type:	SMPL			Soln Conc. Units:	ng/mL
Lab ID:	K1012914-031				
Signal #1:	DB-35MS	Signal #2:	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	15.31	0.00	16.53	0.00	446023	498617	85.73	89.76			90OK
					%Recovery =		86OK	90OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F018.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R018.D			**Vial:**	8
Acqu Date:	11/24/2010 18:30	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K1012914-031				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1254 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1260 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1262 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1268 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {5}			0	0	0.0000	0.0000	0.14U	0.14U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F018.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F018.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R018.D
Inj Date : 24-NOV-2010 18:30
Sample Info: K1012914-031
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	482849	501638	83.9	88.5		100.00
Decachlorobiphenyl	15.313	16.527	446023	498617	85.7	89.8		100.00

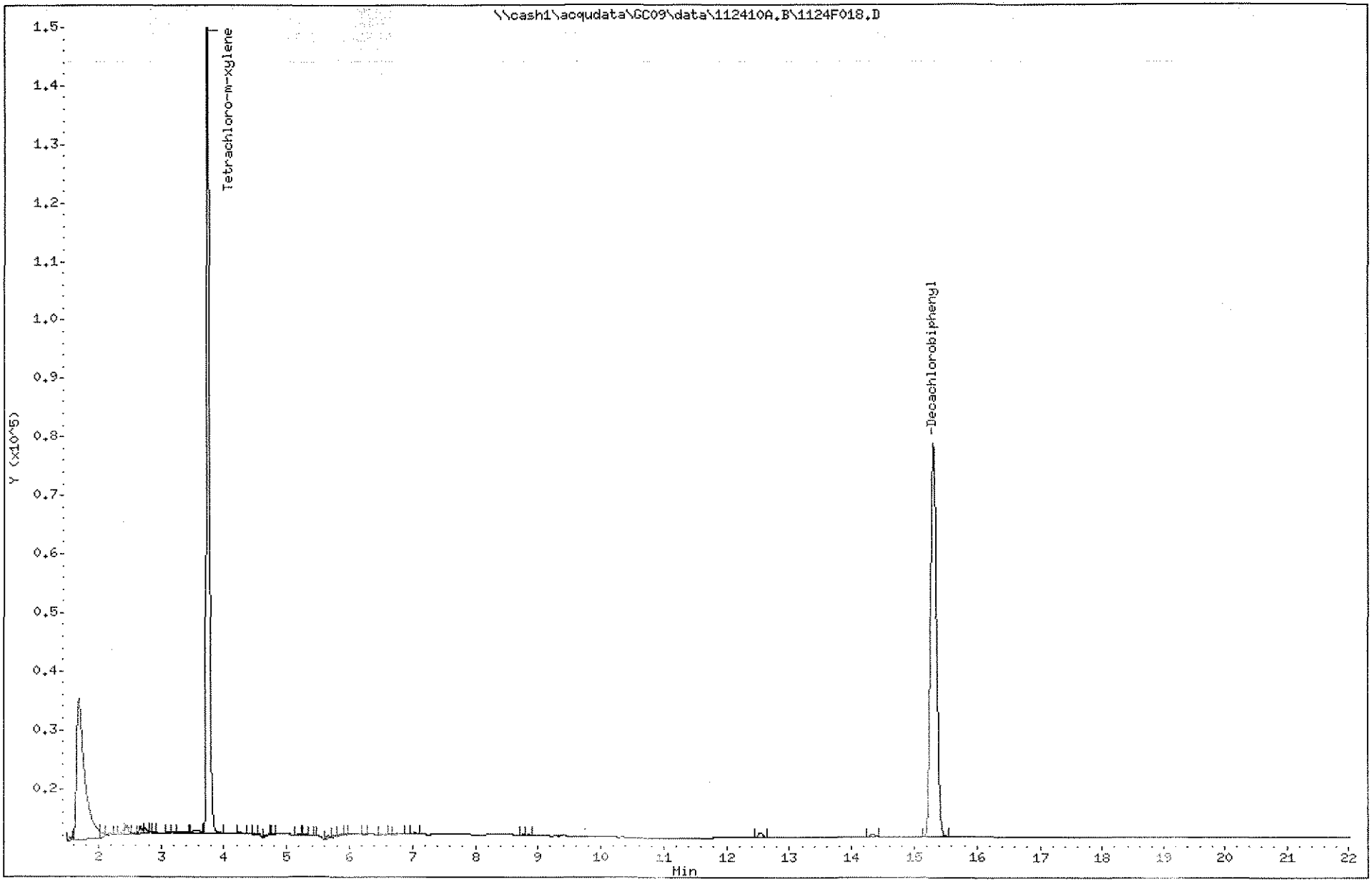
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F018.D
Date : 24-NOV-2010 18:30
Client ID:
Sample Info: K1012914-031

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



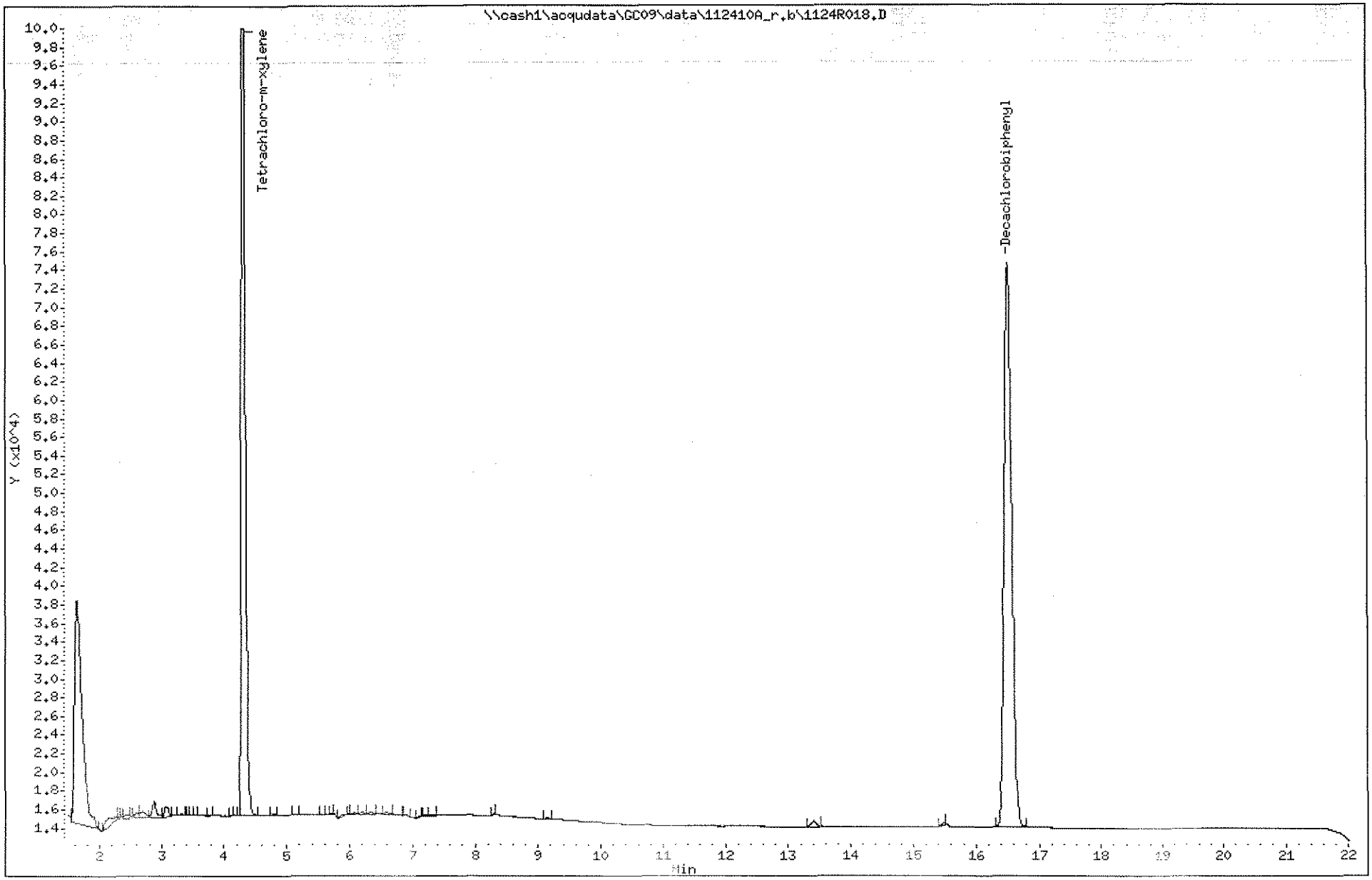
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R018.D
Date : 24-NOV-2010 18:30
Client ID:
Sample Info: K1012914-031

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	KWG1012934-4	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.099	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	35-133	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F019.D
Lab ID: KWG1012934-4
RunType: MB
Matrix: SEDIMENT

Date Acquired: 11/24/2010 18:56
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/30/10

Exception Report

Data File:	\\CASHI\ACQUDATA\GC09\DATA\112410A_R.B\1124R019.D	**Date Acquired:**	11/24/2010 18:56
Lab ID:	KWG1012934-4	**Date Quantitated:**	11/29/2010 09:30
RunType:	MB	**Batch ID:**	KWG1012978
Matrix:	SEDIMENT	**Analysis Method:**	8082
		MethodJoinID:	MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/30/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981930	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:			
MB Ref:		**Method ID:**	MJ731
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F019.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R019.D			**Vial:**	9
Acqu Date:	11/24/2010 18:56	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012934-4				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.75	4.31	407237	432993	70.80	76.39			76OK
				%Recovery =	71OK	76OK	Limits =	10-135	
Decachlorobiphenyl	15.31 0.00	16.53 0.00	415269	469735	79.82	84.56			85OK
				%Recovery =	80OK	85OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F019.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R019.D			**Vial:**	9
Acqu Date:	11/24/2010 18:56	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012934-4				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1260 {1}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {2}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {3}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {4}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260 {5}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0	0	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0	0	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.34 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F019.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F019.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R019.D
Inj Date : 24-NOV-2010 18:56
Sample Info: KQ1012862-11 | MB | 8082 PCB | SEDIMENT
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

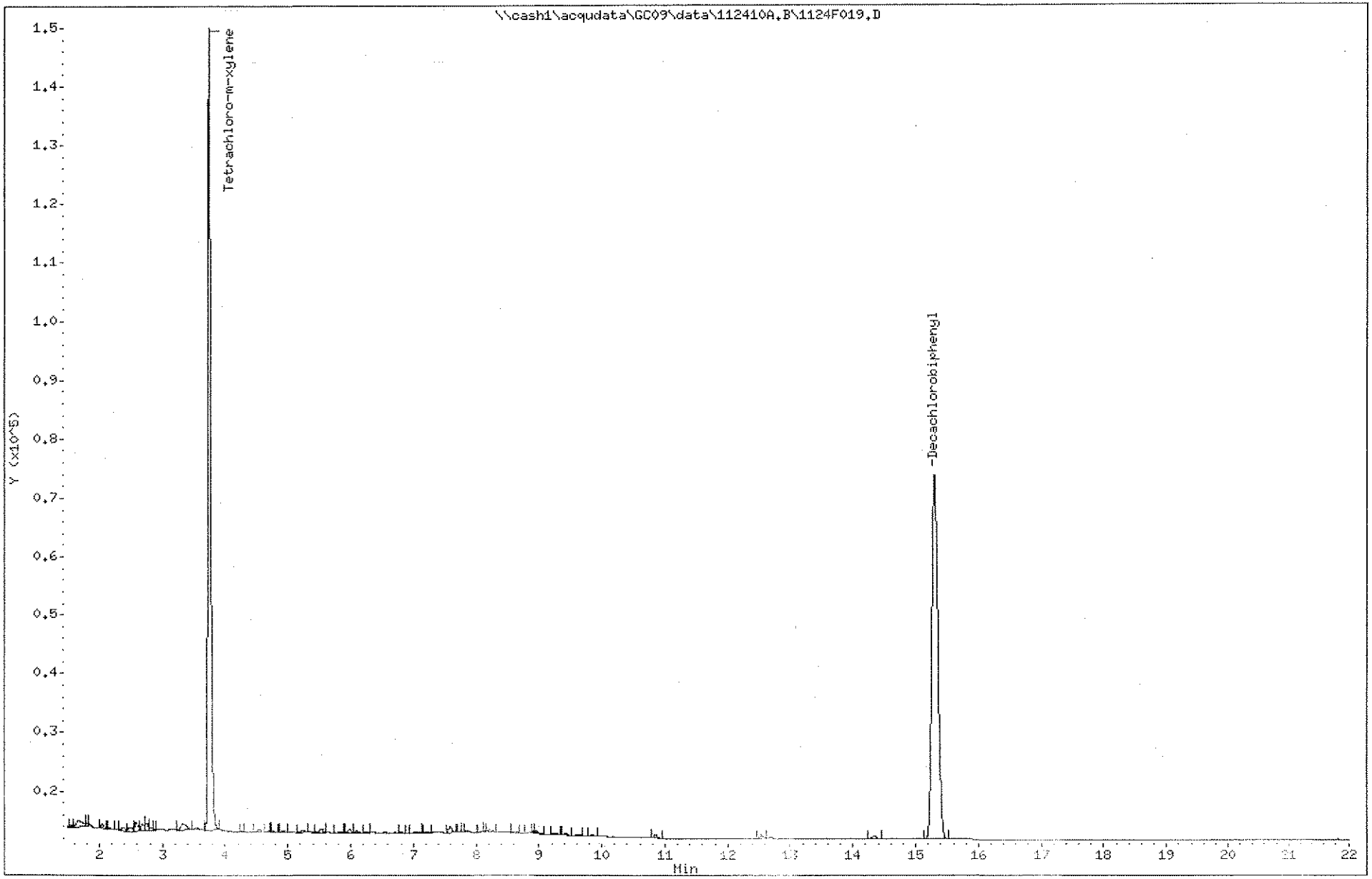
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.747	4.310	407237	432993	70.8	76.4		100.00
Decachlorobiphenyl	15.313	16.527	415269	469735	79.8	84.6		100.00

Data File: \\cash1\acqudata\GC09\data\112410A,B\1124F019.D
Date : 24-NOV-2010 18:56
Client ID:
Sample Info: KQ1012862-11 | MB | 8082 PCB | SEDIMENT

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



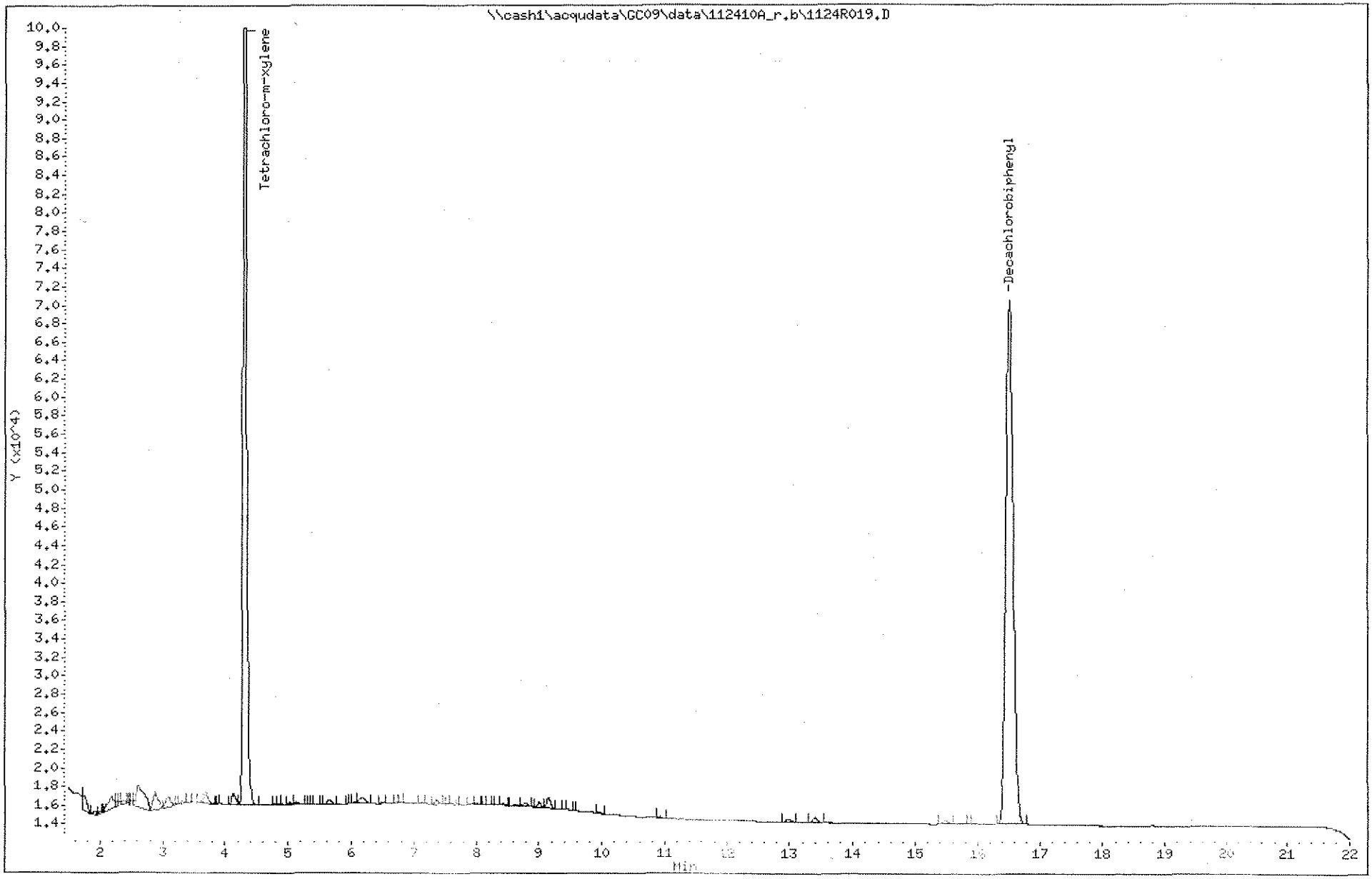
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R019.D
Date : 24-NOV-2010 18:56
Client ID:
Sample Info: KQ1012862-11 | MB | 8082 PCB | SEDIMENT

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Polychlorinated Biphenyls(PCBs)

Sample Name:	Method Blank	**Units:**	ug/WIPE
Lab Code:	KWG1012936-1	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	89	70-130	11/24/10	Acceptable

Comments:

Exception Report

Data File:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F013.D	**Date Acquired:**	11/24/2010 16:17
Lab ID:	KWG1012936-1	**Date Quantitated:**	11/29/2010 09:29
RunType:	MB	**Batch ID:**	KWG1012978
Matrix:	WIPE	**Analysis Method:**	8082
		MethodJoinID:	MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Tetrachloro-m-xylene	68	70	130	NR

Primary Review: 11/29/10

Secondary Review: 11/29

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R013.D
Lab ID: KWG1012936-1
RunType: MB
Matrix: WIPE

Date Acquired: 11/24/2010 16:17
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review:

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WIPE
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012936	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981947	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:			
MB Ref:		**Method ID:**	MJ346
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F013.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R013.D			**Vial:**	3
Acqu Date:	11/24/2010 16:17	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ng/mL
Lab Ref:	KWG1012936-1				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.75	4.31	392173	420488	68.18	74.19			74OK
				%Recovery =	68*	74OK	Limits =	70-130	
Decachlorobiphenyl	15.31 0.00	16.52 -0.01	445095	495391	85.55	89.18			89OK
				%Recovery =	86OK	89OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1016 {1}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {2}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {3}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {4}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1016 {5}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1221 {1}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {2}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {3}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {4}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1232 {1}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {2}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {3}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {4}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1242 {1}			0	0d	0.0000	0.0000	0.14U	0.14U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F013.D			Instrument:	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R013.D			Vial:	3
Acqu Date:	11/24/2010 16:17	Quant Date:	11/29/2010 09:29	Dilution:	1.0
Run Type:	MB			Soln Conc. Units:	ng/mL
Lab ID:	KWG1012936-1				
Signal #1:	DB-35MS	Signal #2:	DB-XLB		

Target Compounds — Final Conc. Units: ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1242 {2}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {3}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {4}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {5}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1248 {1}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {2}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {3}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {4}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {5}			0	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1254 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1260 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1262 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {5}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1268 {1}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {2}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {3}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {4}			0	0	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {5}			0	0	0.0000	0.0000	0.14U	0.14U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	Dilution:	1.0
Prep Final Vol:	10 mL	Unit Factor:	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F013.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F013.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R013.D
Inj Date : 24-NOV-2010 16:17
Sample Info: KQ1012863-04 | MB | 8082 PCB | WIPES
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.747	4.310	392173	420488	68.2	74.2		100.00
Decachlorobiphenyl	15.313	16.523	445095	495391	85.6	89.2		100.00

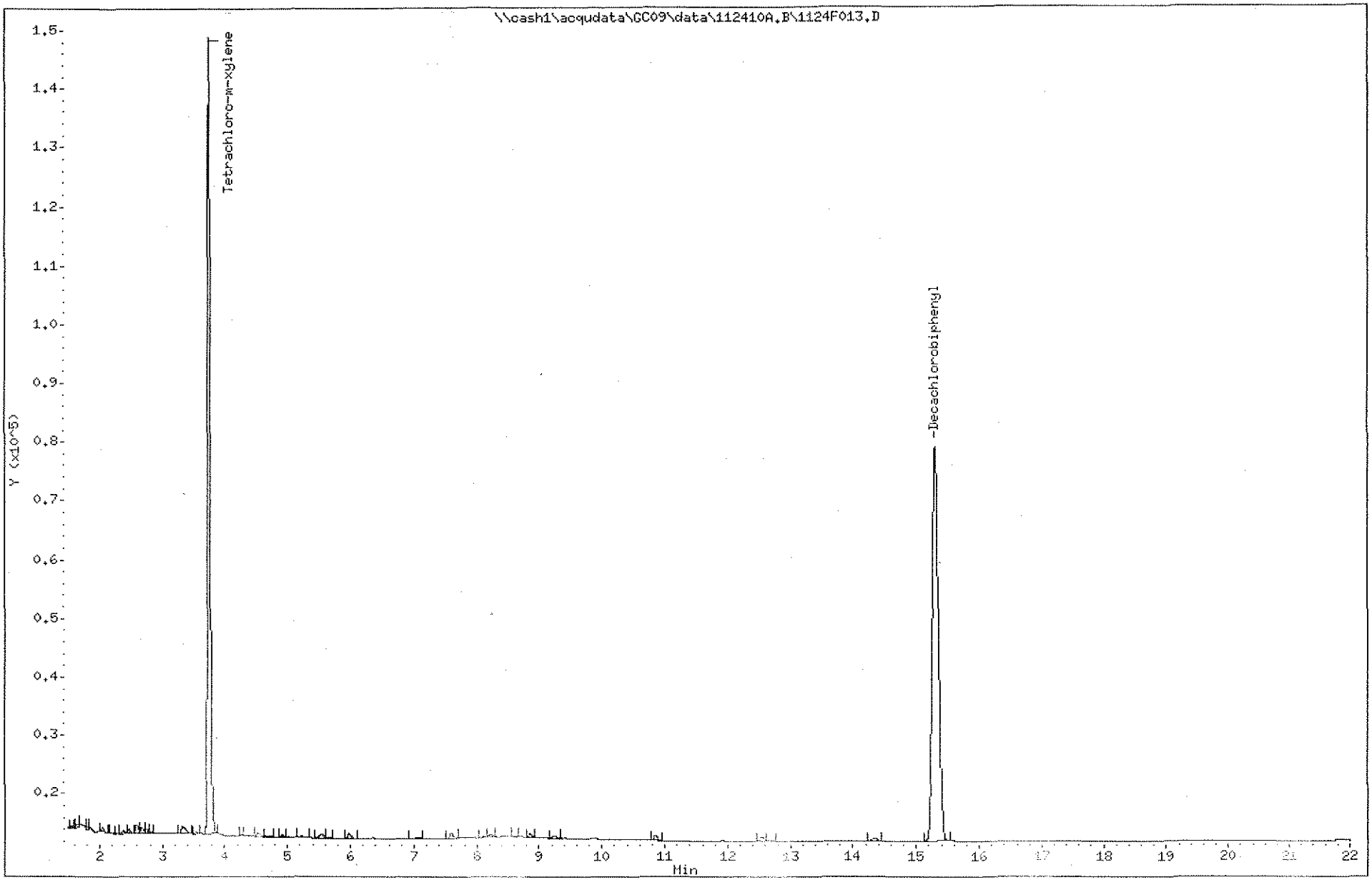
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F013.D
Date : 24-NOV-2010 16:17
Client ID:
Sample Info: KQ1012863-04 | MB | 8082 PCB | WIPES

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



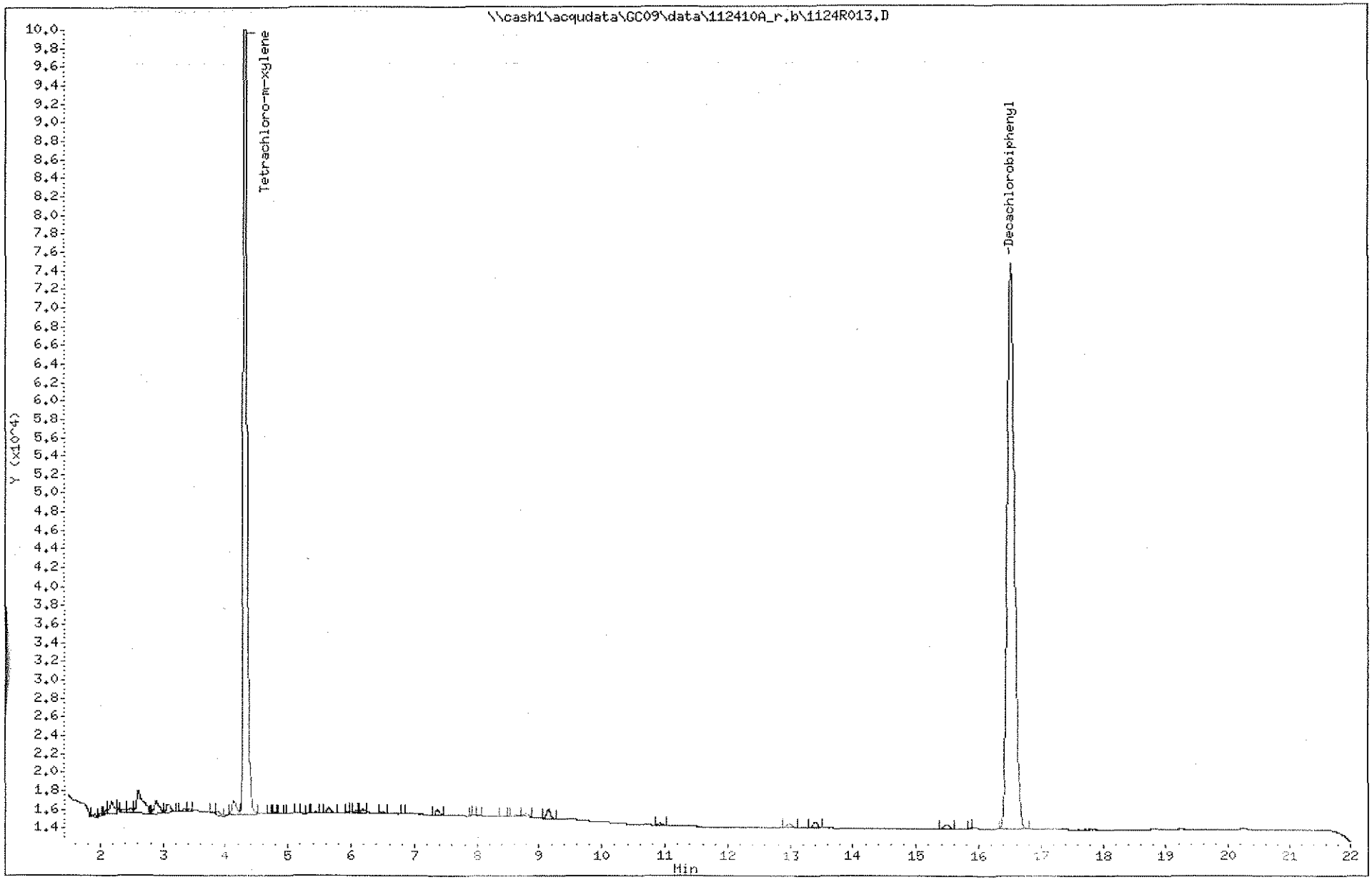
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R013.D
Date : 24-NOV-2010 16:17
Client ID:
Sample Info: KQ1012863-04 | MB | 8082 PCB | WIPES

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0009MS	**Units:**	mg/Kg
Lab Code:	KWG1012934-1	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**0.437**		0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	**0.467**		0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	35-133	11/24/10	Acceptable

Comments:

Exception Report

Data File:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F024.D	**Date Acquired:**	11/24/2010 21:09
Lab ID:	KWG1012934-1 -- K1012914-009MS	**Date Quantitated:**	11/29/2010 09:29
RunType:	MS	**Batch ID:**	KWG1012978
Matrix:	SEDIMENT	**Analysis Method:**	8082
		MethodJoinID:	MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R024.D
Lab ID: KWG1012934-1 -- K1012914-009MS
RunType: MS
Matrix: SEDIMENT

Date Acquired: 11/24/2010 21:09
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: M Mann

Quantitation Report

Bottle ID:		Tier:		Matrix:	SEDIMENT
Prod Code:	8082 PCB	Collect Date:		Receive Date:	11/24/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981927	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:			
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	**Method ID:**	MJ731
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F024.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R024.D			**Vial:**	14
Acqu Date:	11/24/2010 21:09	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012934-1 -- K1012914-009MS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.74	0.00	4.31	419407	432046	72.91	76.23			76OK
				%Recovery =		73OK	76OK	Limits =	10-135	
Decachlorobiphenyl	15.32		16.52	-0.01 425983	487176	81.88	87.70			88OK
				%Recovery =		82OK	88OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1		RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016				0	0	752.16	835.93	0.437	0.486	**0.437**
Aroclor 1016 {1}	5.37	0.00	5.36	49150	129420	744.15	766.10	0.433	0.445	
Aroclor 1016 {2}	5.42		6.55	91686	140242	791.98	854.10	0.460	0.497	
Aroclor 1016 {3}	5.93		6.73	177498	109808	741.94	838.50	0.431	0.488	
Aroclor 1016 {4}	6.17		6.82	80164	126468	686.52	832.46	0.399	0.484	
Aroclor 1016 {5}	6.70		7.10	132645	123349	796.20	888.47	0.463	0.517	
Aroclor 1221				0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}				0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}				0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}				0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}				0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232				0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}				0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}				0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}				0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}				0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242				0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}				0d	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F024.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R024.D			**Vial:**	14
Acqu Date:	11/24/2010 21:09	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012934-1 -- K1012914-009MS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260			0	0	803.44	872.36	0.467	0.507	**0.467**
Aroclor 1260 {1}	9.17	9.36	280423	227606	717.28	851.81	0.417	0.495	
Aroclor 1260 {2}	9.92 0.00	9.88	266298	250418	649.92	827.83	0.378	0.481	
Aroclor 1260 {3}	9.99 +0.00	10.46	220239	288787	904.48	784.55	0.526	0.456	
Aroclor 1260 {4}	10.60	11.10	208334	236334	886.29	974.10	0.515	0.566	
Aroclor 1260 {5}	11.04	11.79	420984	414894	859.22	923.53	0.500	0.537	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.14 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	85.4 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F024.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F024.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R024.D
Inj Date : 24-NOV-2010 21:09
Sample Info: K1012914-009 MS
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

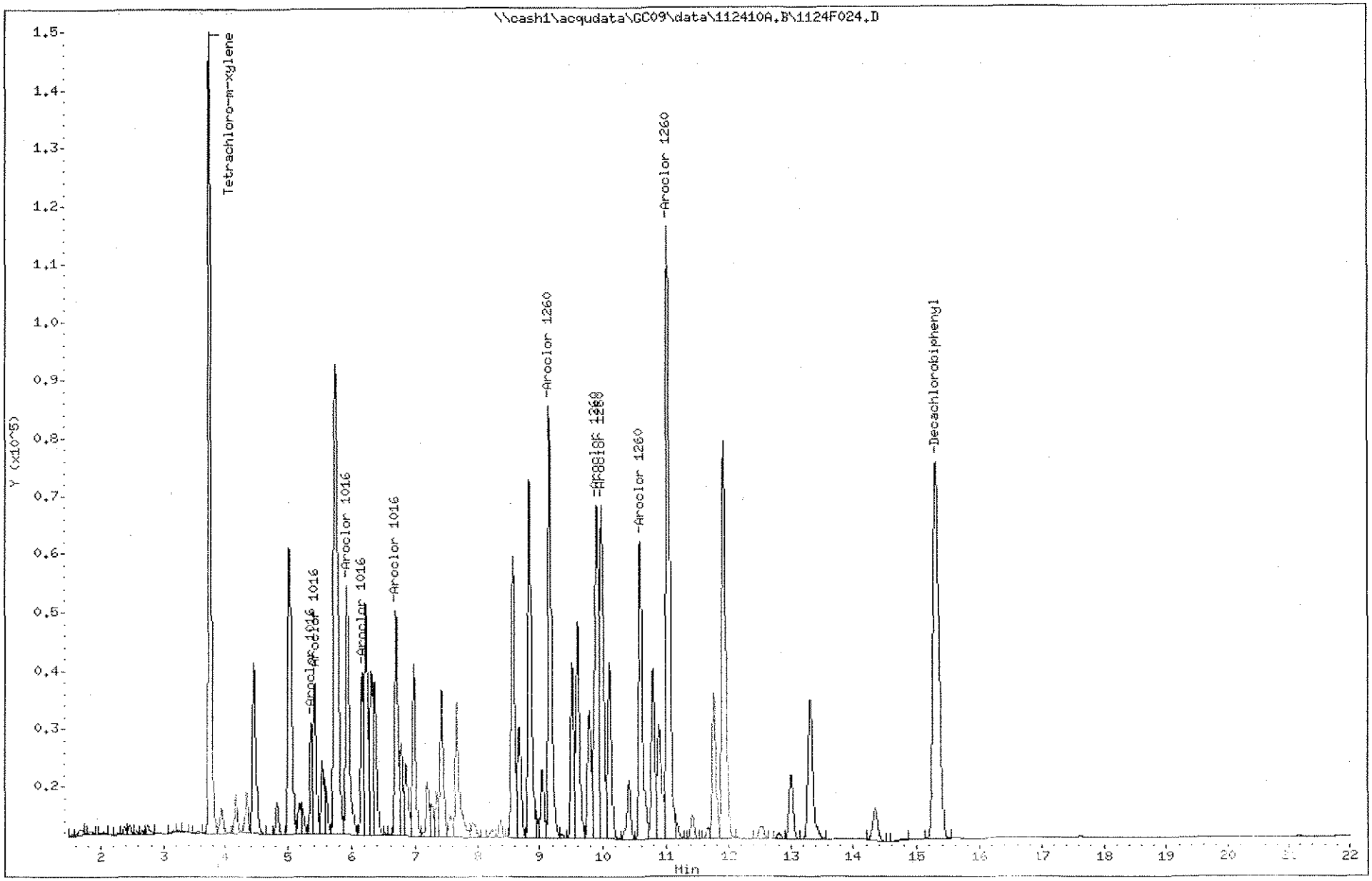
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	419407	432046	72.9	76.2		100.00
Aroclor 1016	5.367	5.363	49150	129420	744	766	80.00- 120.00	100.00
	5.420	6.553	91686	140242	792	854	146.05- 219.08	186.54
	5.933	6.727	177498	109808	742	838	286.59- 429.89	361.14
	6.167	6.823	80164	126468	686	832	129.01- 193.52	163.10
	6.703	7.097	132645	123349	796	888	205.62- 308.43	269.88
		Average of Peak Amounts =			752	836		
Aroclor 1260	9.170	9.360	280423	227606	717	852	80.00- 120.00	100.00
	9.917	9.877	266298	250418	650	828	82.23- 123.35	94.96
	9.993	10.463	220239	288787	904	784	52.09- 78.14	78.54
	10.597	11.100	208334	236334	886	974	51.96- 77.94	74.29
	11.040	11.787	420984	414894	859	924	99.50- 149.25	150.12
		Average of Peak Amounts =			803	872		
Decachlorobiphenyl	15.317	16.523	425983	487176	81.9	87.7		100.00

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F024.D
Date : 24-NOV-2010 21:09
Client ID:
Sample Info: K1012914-009 MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



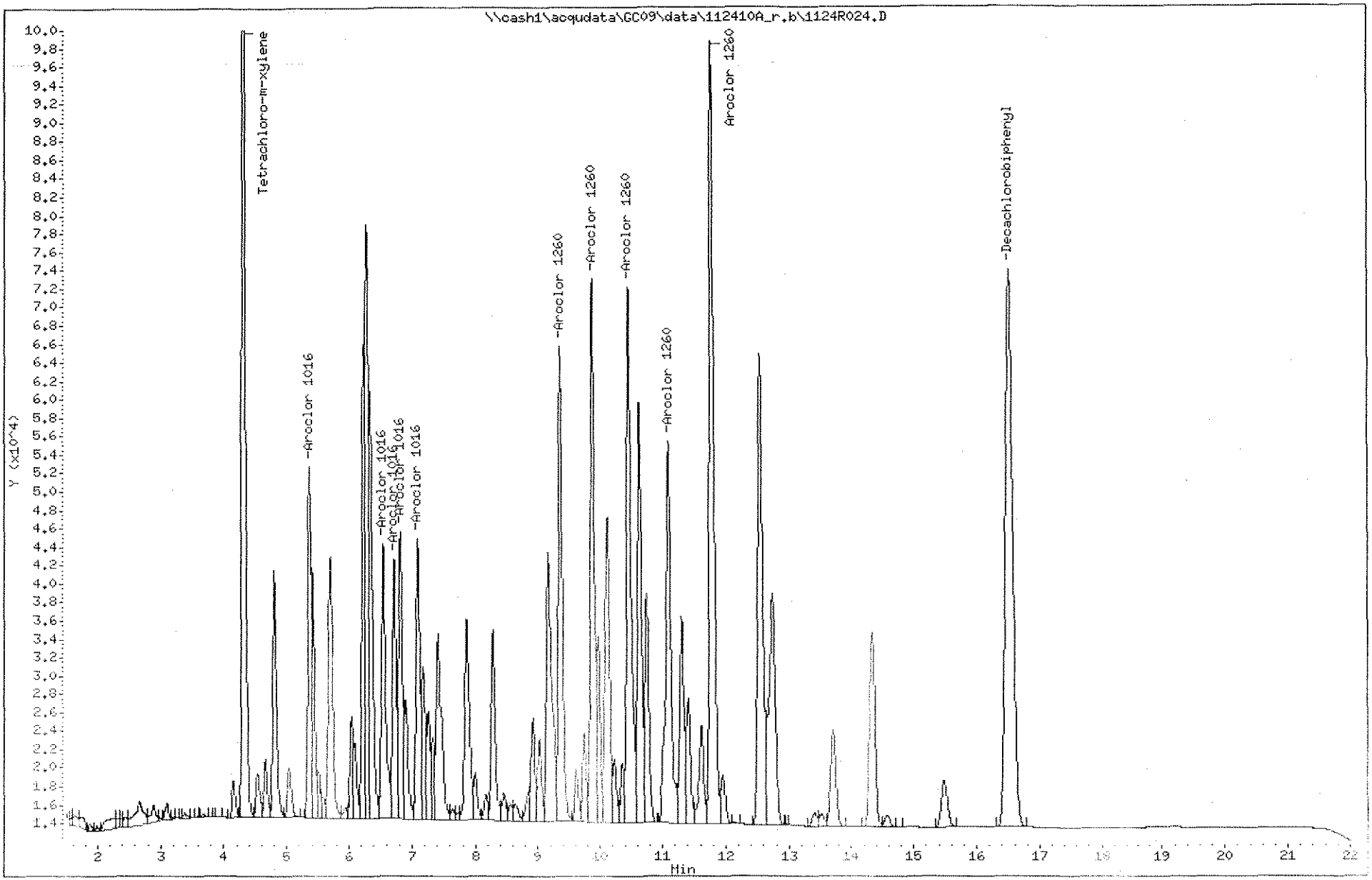
1161

Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R024.D
Date : 24-NOV-2010 21:09
Client ID:
Sample Info: K1012914-009 MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0009DMS	**Units:**	mg/Kg
Lab Code:	KWG1012934-2	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**0.510**		0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	**0.535**		0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	97	35-133	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\I124F025.D
Lab ID: KWG1012934-2 -- K1012914-009DMS
RunType: DMS
Matrix: SEDIMENT

Date Acquired: 11/24/2010 21:36
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R025.D
Lab ID: KWG1012934-2 -- K1012914-009DMS
RunType: DMS
Matrix: SEDIMENT

Date Acquired: 11/24/2010 21:36
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10
Secondary Review: LMMann

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012978	**Prep Lot:**	KWG1012934	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3541		
Prep Ref:	981928	**Prep Date:**	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:			
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	**Method ID:**	MJ731
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F025.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R025.D			**Vial:**	15
Acqu Date:	11/24/2010 21:36	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012934-2 -- K1012914-009DMS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.74 0.00	4.31	468311	482067	81.41	85.05			85OK
				%Recovery =	81OK	85OK	Limits =	10-135	
Decachlorobiphenyl	15.32	16.53 0.00	475386	537721	91.37	96.80			97OK
				%Recovery =	91OK	97OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	879.57	976.14	0.510	0.566	**0.510**
Aroclor 1016 {1}	5.37 0.00	5.36	58344	146012	883.35	864.32	0.513	0.502	
Aroclor 1016 {2}	5.42	6.55	106342	179288	918.58	1,092	0.533	0.634	
Aroclor 1016 {3}	5.93	6.73	208440	125363	871.27	957.28	0.506	0.555	
Aroclor 1016 {4}	6.17	6.82	93652	142612	802.03	938.72	0.465	0.545	
Aroclor 1016 {5}	6.70	7.09 0.00	153704	142790	922.61	1,029	0.535	0.597	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F025.D			Instrument:	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R025.D			Vial:	15
Acqu Date:	11/24/2010 21:36	Quant Date:	11/29/2010 09:29	Dilution:	1.0
Run Type:	DMS			Soln Conc. Units:	ng/mL
Lab ID:	KWG1012934-2 -- K1012914-009DMS				
Signal #1:	DB-35MS	Signal #2:	DB-XLB		

Target Compounds — Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260			0	0	922.81	983.36	0.535	0.571	**0.535**
Aroclor 1260 {1}	9.17	9.36	337052	256158	862.13	958.67	0.500	0.556	
Aroclor 1260 {2}	9.92 0.00	9.88	304811	291883	743.91	964.90	0.432	0.560	
Aroclor 1260 {3}	9.99	10.46	250781	322878	1,030	877.17	0.598	0.509	
Aroclor 1260 {4}	10.60	11.10	236985	264434	1,008	1,090	0.585	0.632	
Aroclor 1260 {5}	11.04	11.79	475218	460985	969.91	1,026	0.563	0.595	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	20.18 g	Dilution:	1.0
Prep Final Vol:	10 mL	Unit Factor:	0.001
Solids:	85.4 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F025.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F025.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R025.D
Inj Date : 24-NOV-2010 21:36
Sample Info: K1012914-009 DMS
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

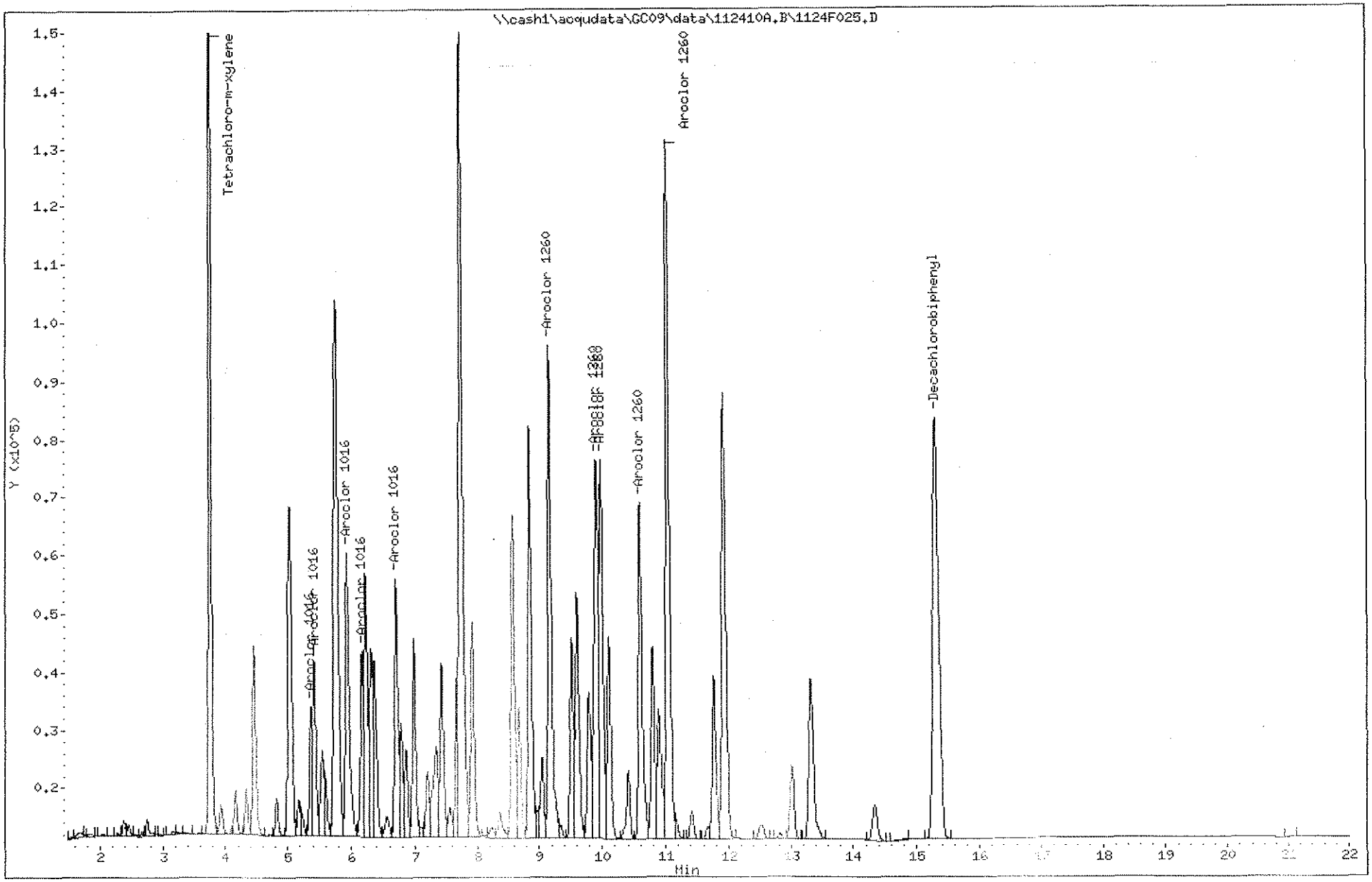
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	468311	482067	81.4	85.0		100.00
Aroclor 1016	5.367	5.363	58344	146012	883	864	80.00- 120.00	100.00
	5.420	6.553	106342	179288	918	1090	146.05- 219.08	182.27
	5.933	6.727	208440	125363	871	957	286.59- 429.89	357.26
	6.167	6.823	93652	142612	802	939	129.01- 193.52	160.52
	6.703	7.093	153704	142790	923	1030	205.62- 308.43	263.44
		Average of Peak Amounts =			879	976		
Aroclor 1260	9.170	9.360	337052	256158	862	959	80.00- 120.00	100.00
	9.917	9.877	304811	291883	744	965	82.23- 123.35	90.43
	9.990	10.463	250781	322878	1030	877	52.09- 78.14	74.40
	10.597	11.100	236985	264434	1010	1090	51.96- 77.94	70.31
	11.040	11.787	475218	460985	970	1030	99.50- 149.25	140.99
		Average of Peak Amounts =			923	984		
Decachlorobiphenyl	15.317	16.527	475386	537721	91.4	96.8		100.00

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F025.D
Date : 24-NOV-2010 21:36
Client ID:
Sample Info: K1012914-009 DMS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



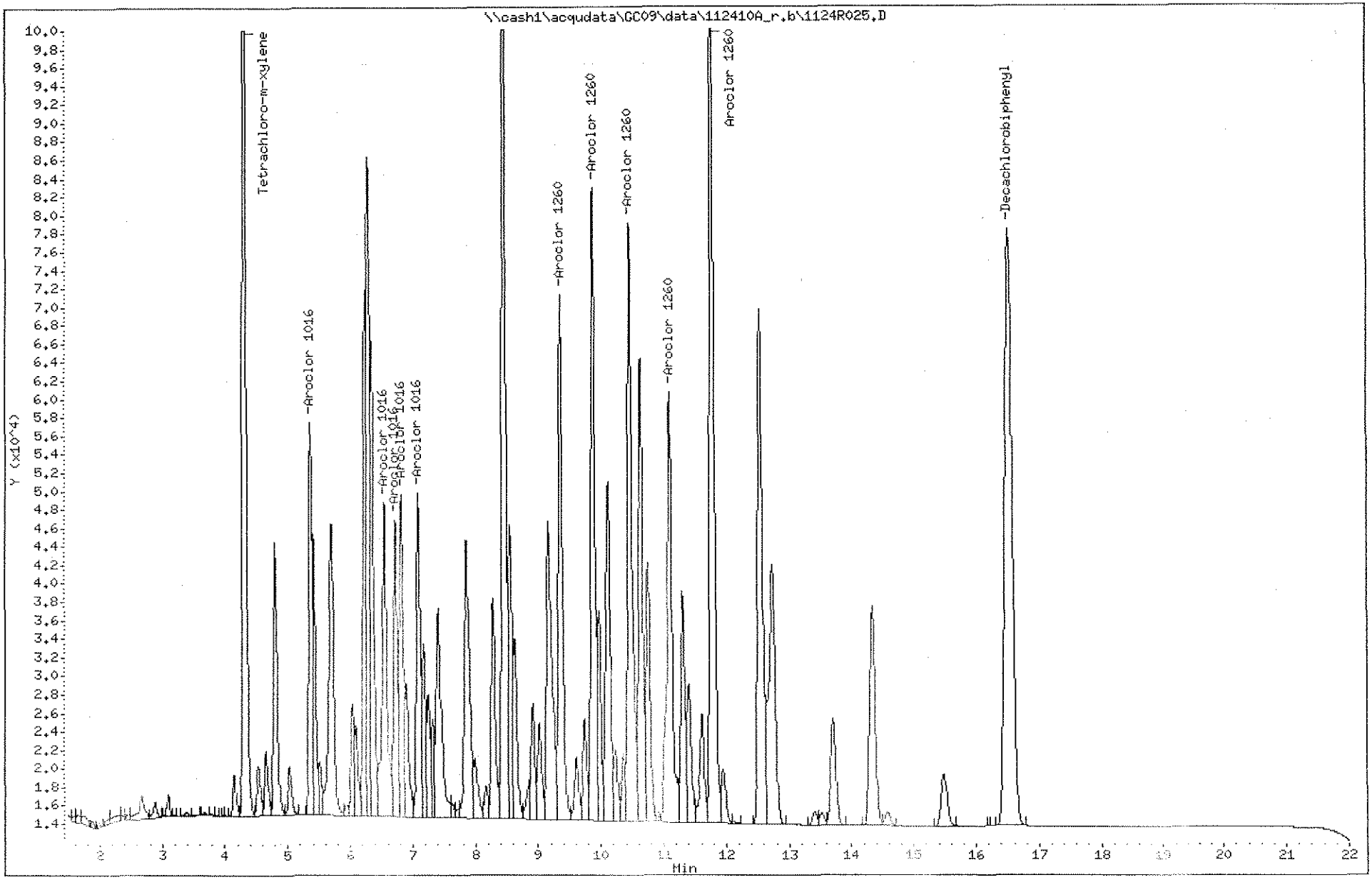
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R025.D
Date : 24-NOV-2010 21:36
Client ID:
Sample Info: K1012914-009 DMS

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1170

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Polychlorinated Biphenyls (PCBs)

Sample Name:	Lab Control Sample	**Units:**	mg/Kg
Lab Code:	KWG1012934-3	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**0.705**		0.10	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.20	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.10	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.10	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.10	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.10	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	**0.819**		0.10	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.10	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.10	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	35-133	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F020.D
Lab ID: KWG1012934-3
RunType: LCS
Matrix: SEDIMENT

Date Acquired: 11/24/2010 19:23
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10
Secondary Review:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R020.D
Lab ID: KWG1012934-3
RunType: LCS
Matrix: SEDIMENT

Date Acquired: 11/24/2010 19:23
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review:

Quantitation Report

Bottle ID:		Tier:		Matrix:	SEDIMENT
Prep Code:	8082 PCB	Collect Date:		Receive Date:	11/24/2010

Analysis Lot:	KWG1012978	Prep Lot:	KWG1012934	Report Group:	
Analysis Method:	8082	Prep Method:	EPA 3541		
Prep Ref:	981929	Prep Date:	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	Calibration ID:	CAL9990
Title:			
MB Ref:	J:\GC09\DATA\112410A.B\1124F019.D	Method ID:	MJ731
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F020.D			Instrument:	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R020.D			Vial:	10
Acqu Date:	11/24/2010 19:23	Quant Date:	11/29/2010 09:29	Dilution:	1.0
Run Type:	LCS			Soln Conc. Units:	ng/mL
Lab ID:	KWG1012934-3				
Signal #1:	DB-35MS	Signal #2:	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.75	4.31	374291	396807	65.07	70.01			70OK
			%Recovery =		65OK	70OK	Limits =	10-135	
Decachlorobiphenyl	15.31 0.00	16.52 -0.01	427842	482838	82.23	86.92			87OK
			%Recovery =		82OK	87OK	Limits =	35-133	

Target Compounds

Final Conc. Units: mg/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	705.05	789.97	0.705	0.790	0.705
Aroclor 1016 {1}	5.37	5.36	44557	125192	674.61	741.07	0.675	0.741	
Aroclor 1016 {2}	5.42	6.55	84723	131135	731.84	798.63	0.732	0.799	
Aroclor 1016 {3}	5.93	6.73	167172	103603	698.77	791.12	0.699	0.791	
Aroclor 1016 {4}	6.17	6.82	75784	119744	649.01	788.20	0.649	0.788	
Aroclor 1016 {5}	6.70	7.10	128448	115346	771.01	830.83	0.771	0.831	
Aroclor 1221			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F020.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R020.D			**Vial:**	10
Acqu Date:	11/24/2010 19:23	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012934-3				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1260			0	0	818.88	847.37	0.819	0.847	**0.819**
Aroclor 1260 {1}	9.17	9.36	285679	221218	730.73	827.90	0.731	0.828	
Aroclor 1260 {2}	9.92	9.88	270898	243334	661.14	804.41	0.661	0.804	
Aroclor 1260 {3}	9.99 +0.00	10.46	227369	280212	933.76	761.26	0.934	0.761	
Aroclor 1260 {4}	10.60	11.10	212355	230208	903.39	948.85	0.903	0.949	
Aroclor 1260 {5}	11.04 +0.00	11.79	423993	401821	865.36	894.43	0.865	0.894	
Aroclor 1262			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268			0	0	0.0000	0.0000	0.019U	0.019U	0.019U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.019U	0.019U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.019U	0.019U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.00 g	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F020.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F020.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R020.D
Inj Date : 24-NOV-2010 19:23
Sample Info: KQ1012862-10 | LCS | 8082 PCB | SEDIMENT
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.747	4.310	374291	396807	65.1	70.0		100.00
Aroclor 1016	5.370	5.363	44557	125192	675	741	80.00- 120.00	100.00
	5.420	6.553	84723	131135	732	799	146.05- 219.08	190.15
	5.933	6.727	167172	103603	699	791	286.59- 429.89	375.19
	6.167	6.823	75784	119744	649	788	129.01- 193.52	170.08
	6.703	7.097	128448	115346	771	831	205.62- 308.43	288.28
		Average of Peak Amounts =			705	790		
Aroclor 1260	9.170	9.360	285679	221218	731	828	80.00- 120.00	100.00
	9.920	9.877	270898	243334	661	804	82.23- 123.35	94.83
	9.993	10.463	227369	280212	934	761	52.09- 78.14	79.59
	10.597	11.100	212355	230208	903	949	51.96- 77.94	74.33
	11.043	11.787	423993	401821	865	894	99.50- 149.25	148.42
		Average of Peak Amounts =			819	847		
Decachlorobiphenyl	15.313	16.523	427842	482838	82.2	86.9		100.00

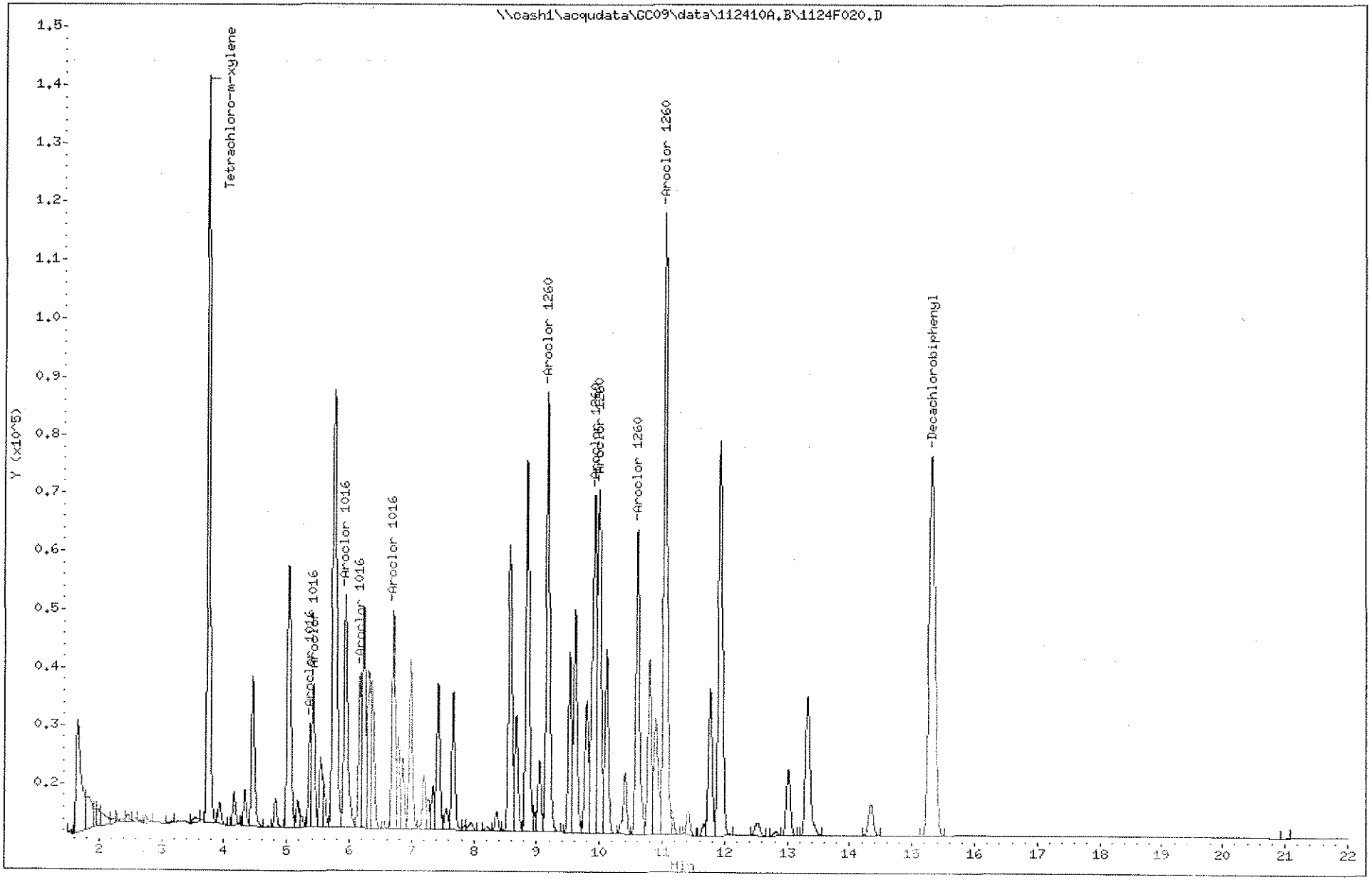
Data File: \\cash1\acqudata\GC09\data\112410A,B\1124F020.D
Date : 24-NOV-2010 19:23
Client ID:
Sample Info: KQ1012862-10 | LCS | 8082 PCB | SEDIMENT

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

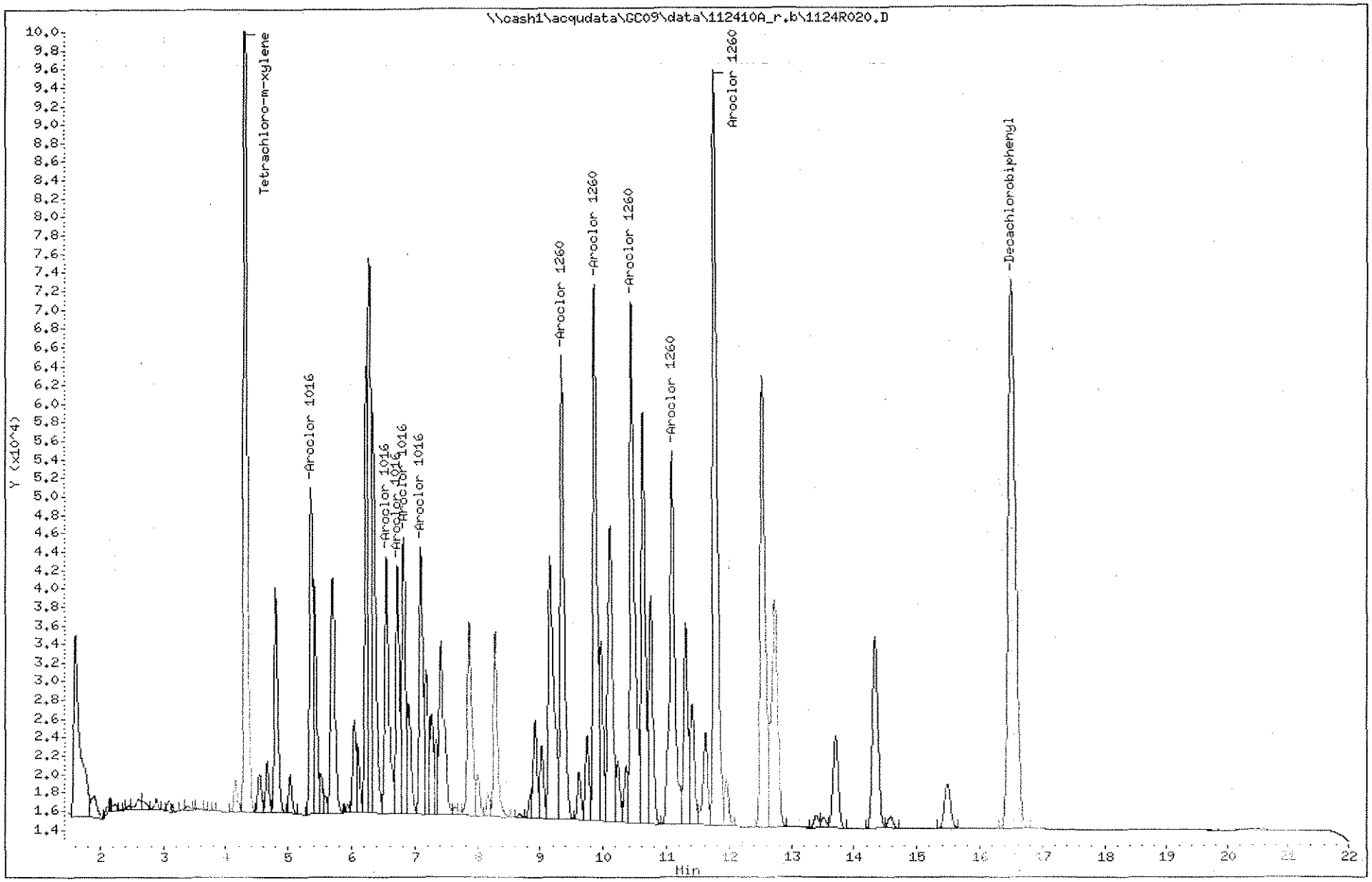


Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R020.D
Date : 24-NOV-2010 19:23
Client ID:
Sample Info: KQ1012862-10 | LCS | 8082 PCB | SEDIMENT

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



1178

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Polychlorinated Biphenyls(PCBs)

Sample Name:	Lab Control Sample	**Units:**	ug/WIPE
Lab Code:	KWG1012936-2	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**7.14**		0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	**8.59**		0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	70-130	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F014.D
Lab ID: KWG1012936-2
RunType: LCS
Matrix: WIPE

Date Acquired: 11/24/2010 16:44
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Tetrachloro-m-xylene	64	70	130	NR

Primary Review: 11/29/10

Secondary Review: 11/29/10

Printed: 11/29/2010 10:13:39
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASHI\ACQUDATA\GC09\DATA\112410A_R.B\1124R014.D
Lab ID: KWG1012936-2
RunType: LCS
Matrix: WIPE

Date Acquired: 11/24/2010 16:44
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Quantitation Report

Bottle ID:		Tier:		Matrix:	WIPE
Prod Code:	8082 PCB	Collect Date:		Receive Date:	11/29/2010

Analysis Lot:	KWG1012978	Prep Lot:	KWG1012936	Report Group:	
Analysis Method:	8082	Prep Method:	EPA 3541		
Prep Ref:	981948	Prep Date:	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	Calibration ID:	CAL9990
Title:			
MH Ref:	J:\GC09\DATA\112410A.B\1124F013.D	Method ID:	MJ346
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F014.D			Instrument:	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R014.D			Vial:	4
Acqu Date:	11/24/2010 16:44	Quant Date:	11/29/2010 09:29	Dilution:	1.0
Run Type:	LCS			Soln Conc. Units:	ng/mL
Lab ID:	KWG1012936-2				
Signal #1:	DB-35MS	Signal #2:	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.75	4.31	367613	394678	63.91	69.63			70OK
				%Recovery =	64*	70OK	Limits =	70-130	
Decachlorobiphenyl	15.32	16.53 0.00	430999	484670	82.84	87.25			87OK
				%Recovery =	83OK	87OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	714.25	795.41	7.14	7.95	7.14
Aroclor 1016 {1}	5.37	5.36	45197	125240	684.30	741.36	6.84	7.41	
Aroclor 1016 {2}	5.42	6.55	86501	133289	747.20	811.75	7.47	8.12	
Aroclor 1016 {3}	5.93	6.73	170097	104216	711.00	795.80	7.11	7.96	
Aroclor 1016 {4}	6.17	6.82	76265	120561	653.13	793.58	6.53	7.94	
Aroclor 1016 {5}	6.70	7.10	129214	115866	775.61	834.57	7.76	8.35	
Aroclor 1221			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
I: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F014.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R014.D			**Vial:**	4
Acqu Date:	11/24/2010 16:44	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012936-2				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260			0	0	859.04	882.72	8.59	8.83	8.59
Aroclor 1260 {1}	9.17	9.36	298489	227524	763.49	851.50	7.63	8.52	
Aroclor 1260 {2}	9.92 0.00	9.88	279755	253387	682.76	837.64	6.83	8.38	
Aroclor 1260 {3}	9.99	10.46	241331	291928	991.10	793.09	9.91	7.93	
Aroclor 1260 {4}	10.60	11.10	222549	240177	946.76	989.94	9.47	9.90	
Aroclor 1260 {5}	11.04	11.79	446409	422932	911.11	941.42	9.11	9.41	
Aroclor 1262			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F014.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F014.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R014.D
Inj Date : 24-NOV-2010 16:44
Sample Info: KQ1012863-09 | LCS | 8082 PCB | WIPES
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

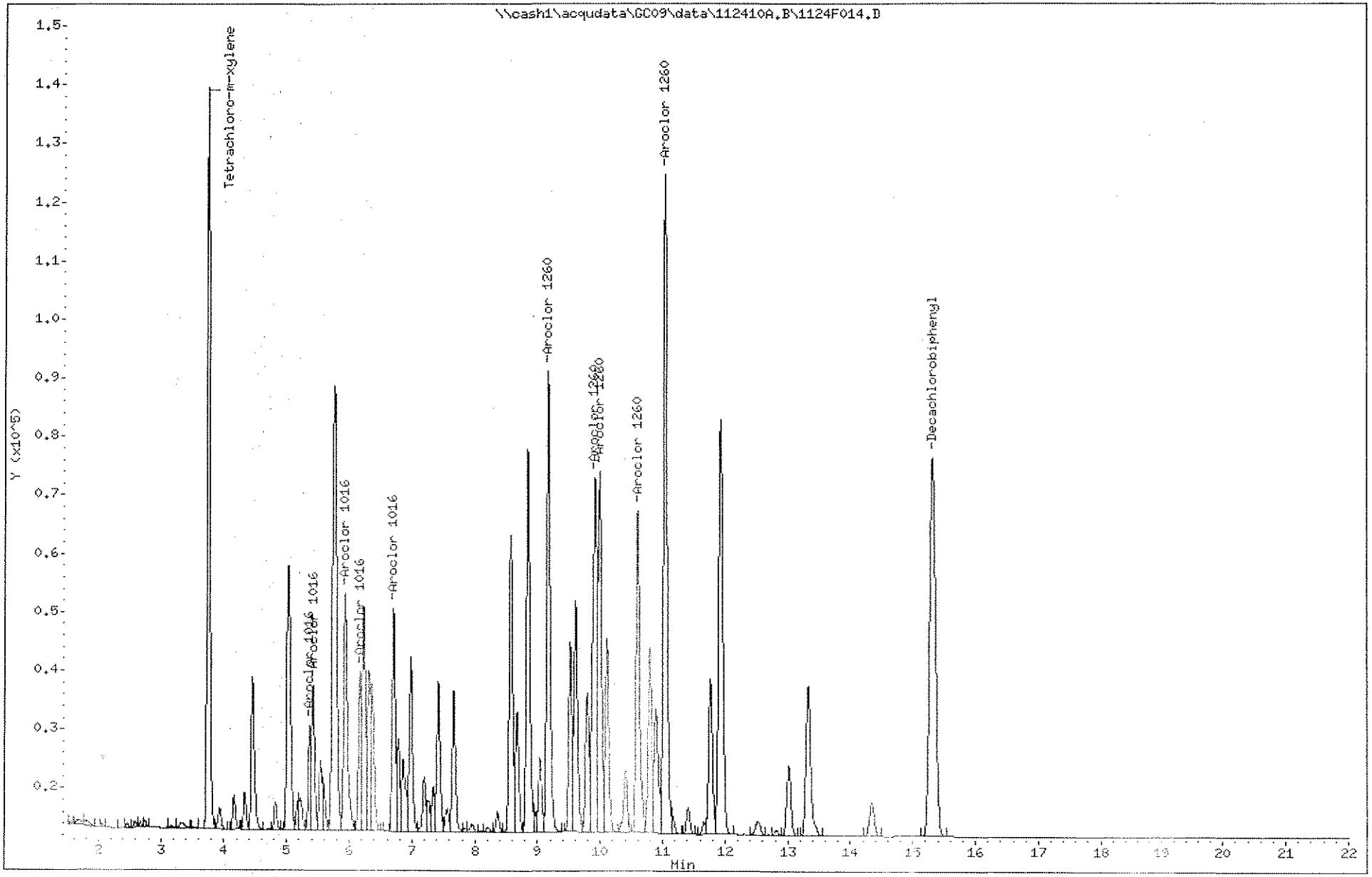
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.747	4.310	367613	394678	63.9	69.6		100.00
Aroclor 1016	5.370	5.363	45197	125240	684	741	80.00- 120.00	100.00
	5.420	6.553	86501	133289	747	812	146.05- 219.08	191.39
	5.933	6.727	170097	104216	711	796	286.59- 429.89	376.35
	6.167	6.823	76265	120561	653	794	129.01- 193.52	168.74
	6.703	7.097	129214	115866	776	834	205.62- 308.43	285.89
		Average of Peak Amounts =			714	795		
Aroclor 1260	9.170	9.360	298489	227524	763	852	80.00- 120.00	100.00
	9.917	9.877	279755	253387	683	838	82.23- 123.35	93.72
	9.990	10.463	241331	291928	991	793	52.09- 78.14	80.85
	10.597	11.100	222549	240177	947	990	51.96- 77.94	74.56
	11.040	11.787	446409	422932	911	941	99.50- 149.25	149.56
		Average of Peak Amounts =			859	883		
Decachlorobiphenyl	15.317	16.527	430999	484670	82.8	87.2		100.00

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F014.D
Date : 24-NOV-2010 16:44
Client ID:
Sample Info: KQ1012863-09 | LCS | 8082 PCB | WIPES

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS

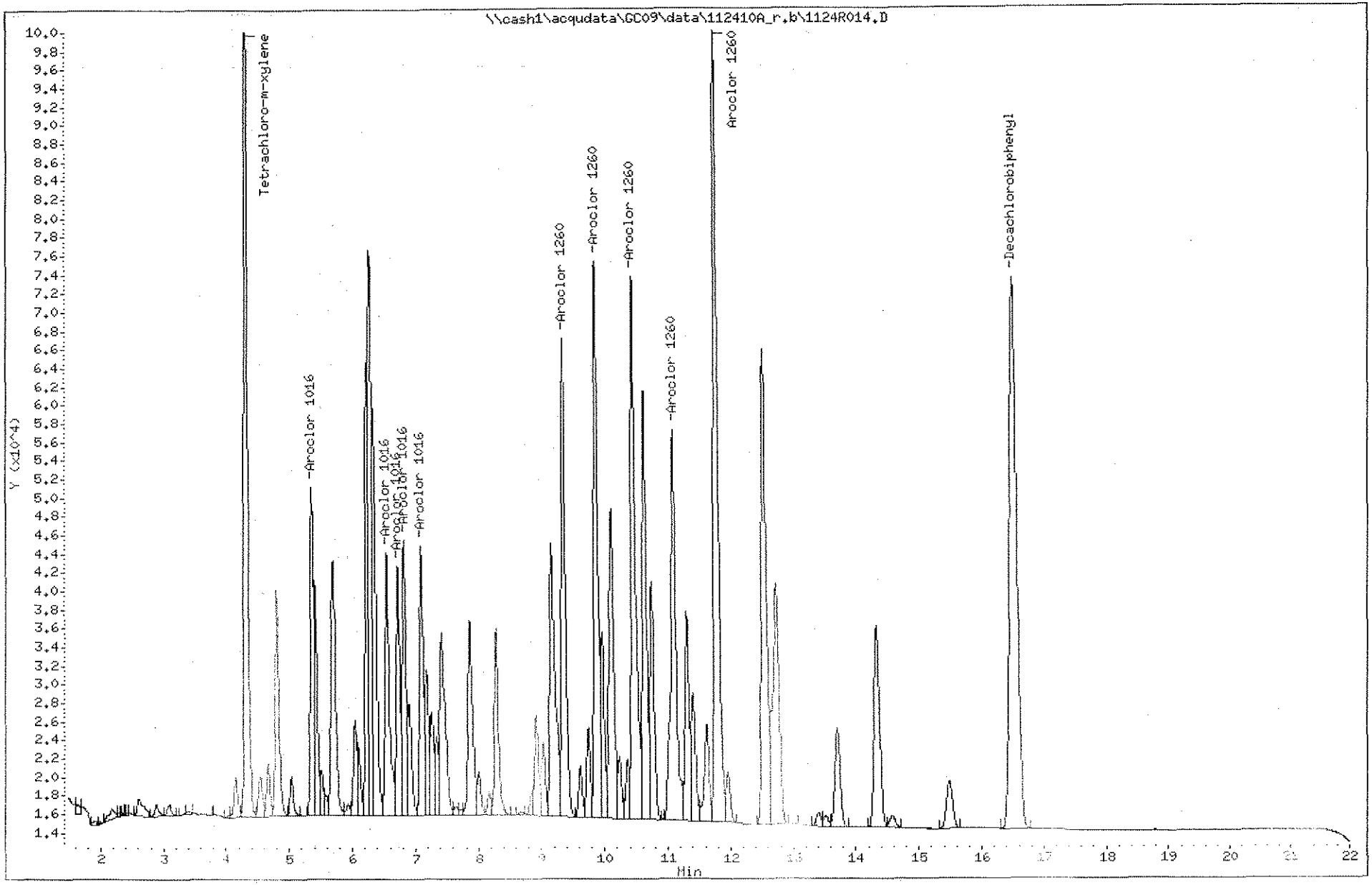


Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R014.D
Date : 24-NOV-2010 16:44
Client ID:
Sample Info: KQ1012863-09 | LCS | 8082 PCB | WIPES

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Polychlorinated Biphenyls(PCBs)

Sample Name:	Duplicate Lab Control Sample	**Units:**	ug/WIPE
Lab Code:	KWG1012936-3	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**7.33**		0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	**8.59**		0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	89	70-130	11/24/10	Acceptable

Comments:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F015.D
Lab ID: KWG1012936-3
RunType: DLCS
Matrix: WIPE

Date Acquired: 11/24/2010 17:10
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Tetrachloro-m-xylene	66	70	130	OK

Primary Review: 11/29/10

Secondary Review: 11/30/10

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R015.D
Lab ID: KWG1012936-3
RunType: DLCS
Matrix: WIPE

Date Acquired: 11/24/2010 17:10
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10
Secondary Review: MRGM

Quantitation Report

Bottle ID:		Tier:		Matrix:	WIPE
Prod Code:	8082 PCB	Collect Date:		Receive Date:	11/29/2010

Analysis Lot:	KWG1012978	Prep Lot:	KWG1012936	Report Group:	
Analysis Method:	8082	Prep Method:	EPA 3541		
Prep Ref:	981949	Prep Date:	11/22/2010		

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	Calibration ID:	CAL9990
Title:			
MB Ref:	J:\GC09\DATA\112410A.B\1124F013.D	Method ID:	MJ346
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F015.D			Instrument:	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R015.D			Vial:	5
Acqu Date:	11/24/2010 17:10	Quant Date:	11/29/2010 09:29	Dilution:	1.0
Run Type:	DLCS			Soln Conc. Units:	ng/mL
Lab ID:	KWG1012936-3				
Signal #1:	DB-35MS	Signal #2:	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.75	4.31	379882	408626	66.04	72.09			72OK
				%Recovery =	66*	72OK	Limits =	70-130	
Decachlorobiphenyl	15.31 0.00	16.52 -0.01	438449	495621	84.27	89.22			89OK
				%Recovery =	84OK	89OK	Limits =	70-130	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	732.86	810.34	7.33	8.10	7.33
Aroclor 1016 {1}	5.37	5.37 +0.00	48818	126973	739.12	751.62	7.39	7.52	
Aroclor 1016 {2}	5.42	6.55	85375	134748	737.47	820.64	7.37	8.21	
Aroclor 1016 {3}	5.93	6.73	173591	106259	725.61	811.40	7.26	8.11	
Aroclor 1016 {4}	6.17	6.82	77381	123557	662.68	813.30	6.63	8.13	
Aroclor 1016 {5}	6.70	7.10	133180	118670	799.42	854.77	7.99	8.55	
Aroclor 1221			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F015.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R015.D			**Vial:**	5
Acqu Date:	11/24/2010 17:10	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	DLCS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012936-3				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1260			0	0	859.14	891.33	8.59	8.91	**8.59**
Aroclor 1260 {1}	9.17	9.36	299080	231337	765.00	865.77	7.65	8.66	
Aroclor 1260 {2}	9.92 0.00	9.88	277230	256783	676.60	848.87	6.77	8.49	
Aroclor 1260 {3}	9.99	10.46	242371	294488	995.37	800.04	9.95	8.00	
Aroclor 1260 {4}	10.60	11.10	223352	242280	950.18	998.60	9.50	9.99	
Aroclor 1260 {5}	11.04	11.79	445150	423807	908.54	943.37	9.09	9.43	
Aroclor 1262			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268			0	0	0.0000	0.0000	0.14U	0.14U	0.14U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.14U	0.14U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.14U	0.14U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	10 mL	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F015.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F015.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R015.D
Inj Date : 24-NOV-2010 17:10
Sample Info: KQ1012863-10 | DLCS | 8082 PCB | WIPES
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

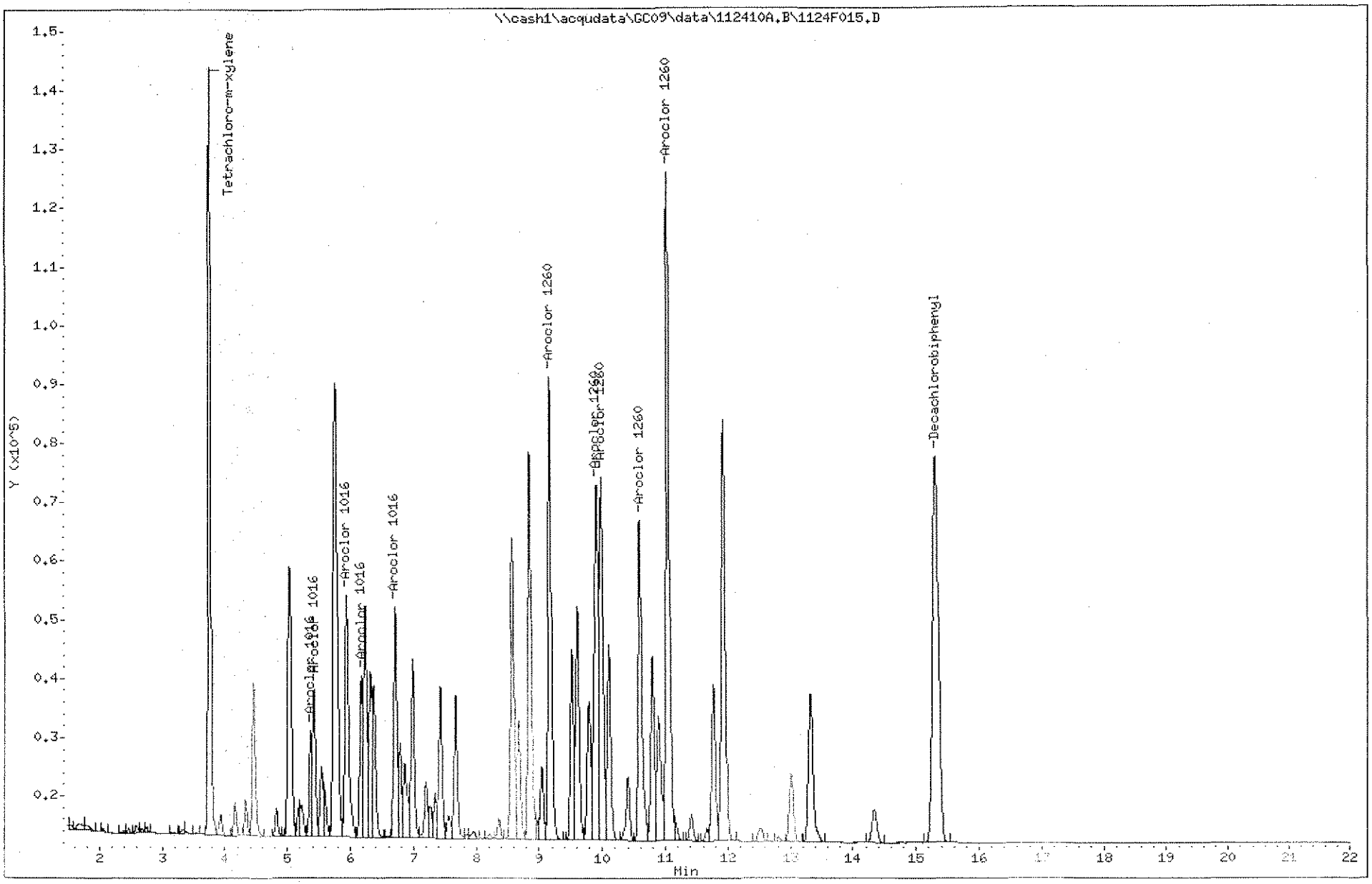
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.747	4.310	379882	408626	66.0	72.1		100.00
Aroclor 1016	5.370	5.367	48818	126973	739	752	80.00- 120.00	100.00
	5.420	6.553	85375	134748	737	821	146.05- 219.08	174.88
	5.933	6.727	173591	106259	726	811	286.59- 429.89	355.59
	6.167	6.823	77381	123557	663	813	129.01- 193.52	158.51
	6.703	7.097	133180	118670	799	855	205.62- 308.43	272.81
		Average of Peak Amounts =			733	810		
Aroclor 1260	9.170	9.360	299080	231337	765	866	80.00- 120.00	100.00
	9.917	9.877	277230	256783	676	849	82.23- 123.35	92.69
	9.990	10.463	242371	294488	995	800	52.09- 78.14	81.04
	10.597	11.100	223352	242280	950	999	51.96- 77.94	74.68
	11.040	11.787	445150	423807	908	943	99.50- 149.25	148.84
		Average of Peak Amounts =			859	891		
Decachlorobiphenyl	15.313	16.523	438449	495621	84.3	89.2		100.00

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F015.D
Date : 24-NOV-2010 17:10
Client ID:
Sample Info: KQ1012863-10 | DLCS | 8082 PCB | WIPES

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS

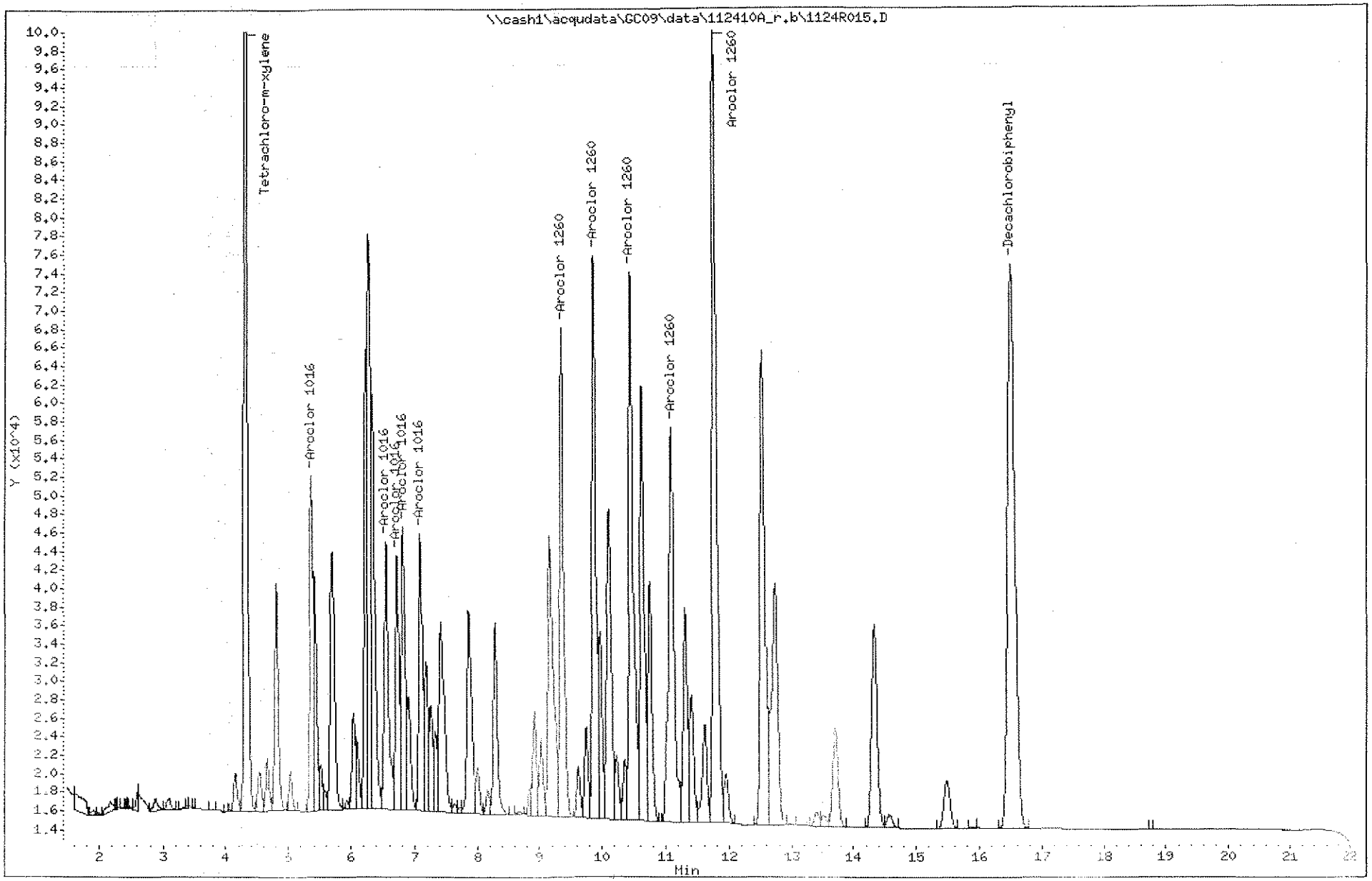


Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R015.D
Date : 24-NOV-2010 17:10
Client ID:
Sample Info: KQ1012863-10 | DLCS | 8082 PCB | WIPES

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Level ID	File ID
A	\\cash1\acqudata\GC09\data\102610.B\1026F003.D
B	\\cash1\acqudata\GC09\data\102610.B\1026F004.D
C	\\cash1\acqudata\GC09\data\102610.B\1026F005.D
D	\\cash1\acqudata\GC09\data\102610.B\1026F006.D
E	\\cash1\acqudata\GC09\data\102610.B\1026F007.D
F	\\cash1\acqudata\GC09\data\102610.B\1026F008.D
G	\\cash1\acqudata\GC09\data\102610.B\1026F009.D
H	\\cash1\acqudata\GC09\data\102610.B\1026F010.D
I	\\cash1\acqudata\GC09\data\102610.B\1026F011.D
J	\\cash1\acqudata\GC09\data\102610.B\1026F012.D
K	\\cash1\acqudata\GC09\data\102610.B\1026F013.D
L	\\cash1\acqudata\GC09\data\102610.B\1026F014.D
M	\\cash1\acqudata\GC09\data\102610.B\1026F015.D
N	\\cash1\acqudata\GC09\data\102610.B\1026F016.D
O	\\cash1\acqudata\GC09\data\102610.B\1026F017.D
P	\\cash1\acqudata\GC09\data\102610.B\1026F018.D
Q	\\cash1\acqudata\GC09\data\102610.B\1026F019.D
R	\\cash1\acqudata\GC09\data\102610.B\1026F020.D
S	\\cash1\acqudata\GC09\data\102610.B\1026F021.D
T	\\cash1\acqudata\GC09\data\102610.B\1026F022.D
U	\\cash1\acqudata\GC09\data\102610.B\1026F023.D
V	\\cash1\acqudata\GC09\data\102610.B\1026F024.D
W	\\cash1\acqudata\GC09\data\102610.B\1026F025.D
X	\\cash1\acqudata\GC09\data\102610.B\1026F026.D
Y	\\cash1\acqudata\GC09\data\102610.B\1026F027.D
Z	\\cash1\acqudata\GC09\data\102610.B\1026F028.D
AA	\\cash1\acqudata\GC09\data\102610.B\1026F029.D
AB	\\cash1\acqudata\GC09\data\102610.B\1026F030.D
AC	\\cash1\acqudata\GC09\data\102610.B\1026F031.D
AD	\\cash1\acqudata\GC09\data\102610.B\1026F032.D

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl	A	2.5	6450	B	5.0	6260	C	50	5380	D	100	4900	E	200	4290
	F	500	3940												
Aroclor 1016 {1}	A	25	70.0	B	50	73.3	C	500	73.9	D	1000	65.8	E	2000	58.7
	F	5000	54.5												
Aroclor 1016 {2}	A	25	128	B	50	130	C	500	129	D	1000	115	E	2000	102
	F	5000	91.2												
Aroclor 1016 {3}	A	25	289	B	50	293	C	500	250	D	1000	227	E	2000	198
	F	5000	178												
Aroclor 1016 {4}	A	25	129	B	50	137	C	500	126	D	1000	114	E	2000	101
	F	5000	94.2												
Aroclor 1016 {5}	A	25	197	B	50	196	C	500	180	D	1000	160	E	2000	140
	F	5000	126												
Aroclor 1260 {1}	A	25	478	B	50	464	C	500	372	D	1000	341	E	2000	299
Aroclor 1260 {2}	A	25	481	B	50	468	C	500	407	D	1000	362	E	2000	331
Aroclor 1260 {3}	A	25	278	B	50	275	C	500	241	D	1000	226	E	2000	198
Aroclor 1260 {4}	A	25	238	B	50	264	C	500	240	D	1000	227	E	2000	207

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {5}	A	25	530	B	50	534	C	500	503	D	1000	463	E	2000	420

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	19.7		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	12.1		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	14.1		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	19.6		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	14.4		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	17.7		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	19.9		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	15.9		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	13.9		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	8.8		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	9.9		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010
Date Analyzed: 10/27/2010

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL9990
Units: ng/mL

File ID:
\\cash1\acqudata\GC09\data\102610.B\1026F033.D
\\cash1\acqudata\GC09\data\102610.B\1026F034.D
\\cash1\acqudata\GC09\data\102610.B\1026F035.D
\\cash1\acqudata\GC09\data\102610.B\1026F036.D
\\cash1\acqudata\GC09\data\102610.B\1026F037.D
\\cash1\acqudata\GC09\data\102610.B\1026F038.D
\\cash1\acqudata\GC09\data\102610.B\1026F039.D
\\cash1\acqudata\GC09\data\102610.B\1026F040.D
\\cash1\acqudata\GC09\data\102610.B\1026F041.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	970	NA	NA	NA	-3	± 20 %	NA
Aroclor 1016 {1}	1000	1000	66.0	66.5	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	970	116	113	-3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	940	239	225	-6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	980	117	114	-2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	960	167	159	-4	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	14	± 20 %	NA
Aroclor 1260 {1}	1000	1000	391	395	1	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	950	410	388	-5	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1200	243	304	25	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	235	292	24	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1200	490	608	24	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Level ID	File ID
A	\\cash1\acqudata\GC09\data\102610_r.b\1026R003.D
B	\\cash1\acqudata\GC09\data\102610_r.b\1026R004.D
C	\\cash1\acqudata\GC09\data\102610_r.b\1026R005.D
D	\\cash1\acqudata\GC09\data\102610_r.b\1026R006.D
E	\\cash1\acqudata\GC09\data\102610_r.b\1026R007.D
F	\\cash1\acqudata\GC09\data\102610_r.b\1026R008.D
G	\\cash1\acqudata\GC09\data\102610_r.b\1026R009.D
H	\\cash1\acqudata\GC09\data\102610_r.b\1026R010.D
I	\\cash1\acqudata\GC09\data\102610_r.b\1026R011.D
J	\\cash1\acqudata\GC09\data\102610_r.b\1026R012.D
K	\\cash1\acqudata\GC09\data\102610_r.b\1026R013.D
L	\\cash1\acqudata\GC09\data\102610_r.b\1026R014.D
M	\\cash1\acqudata\GC09\data\102610_r.b\1026R015.D
N	\\cash1\acqudata\GC09\data\102610_r.b\1026R016.D
O	\\cash1\acqudata\GC09\data\102610_r.b\1026R017.D
P	\\cash1\acqudata\GC09\data\102610_r.b\1026R018.D
Q	\\cash1\acqudata\GC09\data\102610_r.b\1026R019.D
R	\\cash1\acqudata\GC09\data\102610_r.b\1026R020.D
S	\\cash1\acqudata\GC09\data\102610_r.b\1026R021.D
T	\\cash1\acqudata\GC09\data\102610_r.b\1026R022.D
U	\\cash1\acqudata\GC09\data\102610_r.b\1026R023.D
V	\\cash1\acqudata\GC09\data\102610_r.b\1026R024.D
W	\\cash1\acqudata\GC09\data\102610_r.b\1026R025.D
X	\\cash1\acqudata\GC09\data\102610_r.b\1026R026.D
Y	\\cash1\acqudata\GC09\data\102610_r.b\1026R027.D
Z	\\cash1\acqudata\GC09\data\102610_r.b\1026R028.D
AA	\\cash1\acqudata\GC09\data\102610_r.b\1026R029.D
AB	\\cash1\acqudata\GC09\data\102610_r.b\1026R030.D
AC	\\cash1\acqudata\GC09\data\102610_r.b\1026R031.D
AD	\\cash1\acqudata\GC09\data\102610_r.b\1026R032.D

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl	A	2.5	6620	B	5.0	6560	C	50	5950	D	100	5340	E	200	4660
	F	500	4210												
Aroclor 1016 {1}	A	25	197	B	50	209	C	500	185	D	1000	158	E	2000	140
	F	5000	125												
Aroclor 1016 {2}	A	25	159	B	50	170	C	500	188	D	1000	172	E	2000	153
	F	5000	143												
Aroclor 1016 {3}	A	25	145	B	50	149	C	500	146	D	1000	130	E	2000	113
	F	5000	103												
Aroclor 1016 {4}	A	25	171	B	50	176	C	500	166	D	1000	150	E	2000	131
	F	5000	118												
Aroclor 1016 {5}	A	25	149	B	50	161	C	500	153	D	1000	138	E	2000	122
	F	5000	110												
Aroclor 1260 {1}	A	25	298	B	50	312	C	500	291	D	1000	260	E	2000	230
	F	5000	213												
Aroclor 1260 {2}	A	25	365	B	50	360	C	500	320	D	1000	285	E	2000	251
	F	5000	234												
Aroclor 1260 {3}	A	25	381	B	50	406	C	500	401	D	1000	369	E	2000	334
	F	5000	318												
Aroclor 1260 {4}	A	25	240	B	50	246	C	500	266	D	1000	248	E	2000	235
	F	5000	220												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {5}	A	25	534	B	50	504	C	500	465	D	1000	430	E	2000	391
	F	5000	373												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL9990
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	17.9		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	19.7		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	9.7		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	14.5		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	15.5		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	14.0		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	14.9		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	18.2		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	9.6		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	6.4		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	14.1		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 10/27/2010
Date Analyzed: 10/27/2010

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL9990
Units: ng/mL

File ID:
\\cash1\acqudata\GC09\data\102610_r.b\1026R033.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R034.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R035.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R036.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R037.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R038.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R039.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R040.D
\\cash1\acqudata\GC09\data\102610_r.b\1026R041.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	950	NA	NA	NA	-5	± 20 %	NA
Aroclor 1016 {1}	1000	930	169	157	-7	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	164	165	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	930	131	121	-7	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	940	152	143	-6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	960	139	133	-4	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	15	± 20 %	NA
Aroclor 1260 {1}	1000	1100	267	297	11	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1100	303	330	9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	368	389	6	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	243	301	24	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1200	449	560	25	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Sequence Name: D:\GC09\SEQUENCE\102610.S
Comment: PCB Aroclors by EPA 8082
Operator: LHarris
Data Path: D:\GC09\DATA\102610.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

ICAL 9990

Do not use to report NYS for DOD 4.1 for 1221, 1232, or 1248

Line	Type	Vial	DataFile	Method	Sample Name
1	DeleteGC				
2	MaskName -	----r---			
3	IB	1	1026F001	PCB_REG	IB
4	IB	2	1026F002	PCB_REG	IB
5	ICAL	3	1026F003	PCB_REG	1660 @ 25ppb | PCB5-55F
6	ICAL	4	1026F004	PCB_REG	1660 @ 50ppb | PCB5-55G
7	ICAL	5	1026F005	PCB_REG	1660 @ 500ppb | PCB5-55H
8	ICAL	6	1026F006	PCB_REG	1660 @ 1000ppb | PCB5-65K
9	ICAL	7	1026F007	PCB_REG	1660 @ 2000ppb | PCB5-55J
10	ICAL	8	1026F008	PCB_REG	1660 @ 5000ppb | PCB5-55K
11	ICAL	9	1026F009	PCB_REG	1221/1254 @ 50/25ppb | PCB5-63G
12	ICAL	10	1026F010	PCB_REG	1221/1254 @ 100/50ppb | PCB5-63H
13	ICAL	11	1026F011	PCB_REG	1221/1254 @ 1000/500ppb | PCB5-63I
14	ICAL	12	1026F012	PCB_REG	1221/1254 @ 2000/1000ppb | PCB5-63J
15	ICAL	13	1026F013	PCB_REG	1221/1254 @ 4000/2000ppb | PCB5-63K
16	ICAL	14	1026F014	PCB_REG	1221/1254 @ 10000/5000ppb | PCB5-63L
17	ICAL	15	1026F015	PCB_REG	1232/1262 @ 25ppb | PCB5-63M
18	ICAL	16	1026F016	PCB_REG	1232/1262 @ 50ppb | PCB5-63N
19	ICAL	17	1026F017	PCB_REG	1232/1262 @ 500ppb | PCB5-63O
20	ICAL	18	1026F018	PCB_REG	1232/1262 @ 1000ppb | PCB5-63P
21	ICAL	19	1026F019	PCB_REG	1232/1262 @ 2000ppb | PCB5-63Q
22	ICAL	20	1026F020	PCB_REG	1232/1262 @ 5000ppb | PCB5-63R
23	ICAL	21	1026F021	PCB_REG	1242/1268 @ 25ppb | PCB5-63S
24	ICAL	22	1026F022	PCB_REG	1242/1268 @ 50ppb | PCB5-63T
25	ICAL	23	1026F023	PCB_REG	1242/1268 @ 500ppb | PCB5-63U
26	ICAL	24	1026F024	PCB_REG	1242/1268 @ 1000ppb | PCB5-64A
27	ICAL	25	1026F025	PCB_REG	1242/1268 @ 2000ppb | PCB5-64B
28	ICAL	26	1026F026	PCB_REG	1242/1268 @ 5000ppb | PCB5-64C
29	ICAL	27	1026F027	PCB_REG	1248 @ 25ppb | PCB5-64D
30	ICAL	28	1026F028	PCB_REG	1248 @ 50ppb | PCB5-64E
31	ICAL	29	1026F029	PCB_REG	1248 @ 500ppb | PCB5-64F
32	ICAL	30	1026F030	PCB_REG	1248 @ 1000ppb | PCB5-64G
33	ICAL	31	1026F031	PCB_REG	1248 @ 2000ppb | PCB5-64H
34	ICAL	32	1026F032	PCB_REG	1248 @ 5000ppb | PCB5-64I
35	ICV	33	1026F033	PCB_REG	1016 @ 1000ppb | PCB5-56E
36	ICV	34	1026F034	PCB_REG	1221 @ 1000ppb | PCB5-62R
37	ICV	35	1026F035	PCB_REG	1232 @ 1000ppb | PCB5-62S
38	ICV	36	1026F036	PCB_REG	1242 @ 1000ppb | PCB5-63A
39	ICV	37	1026F037	PCB_REG	1248 @ 1000ppb | PCB5-63B
40	ICV	38	1026F038	PCB_REG	1254 @ 1000ppb | PCB5-63C
41	ICV	39	1026F039	PCB_REG	1260 @ 1000ppb | PCB5-63D
42	ICV	40	1026F040	PCB_REG	1262 @ 1000ppb | PCB5-63E
43	ICV	41	1026F041	PCB_REG	1268 @ 1000ppb | PCB5-63F

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F002.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F002.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R002.D
Inj Date : 26-OCT-2010 23:38
Sample Info: IB
Misc Info :
Cal Date : 27-OCT-2010 14:41
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026I0_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio

10/27/10

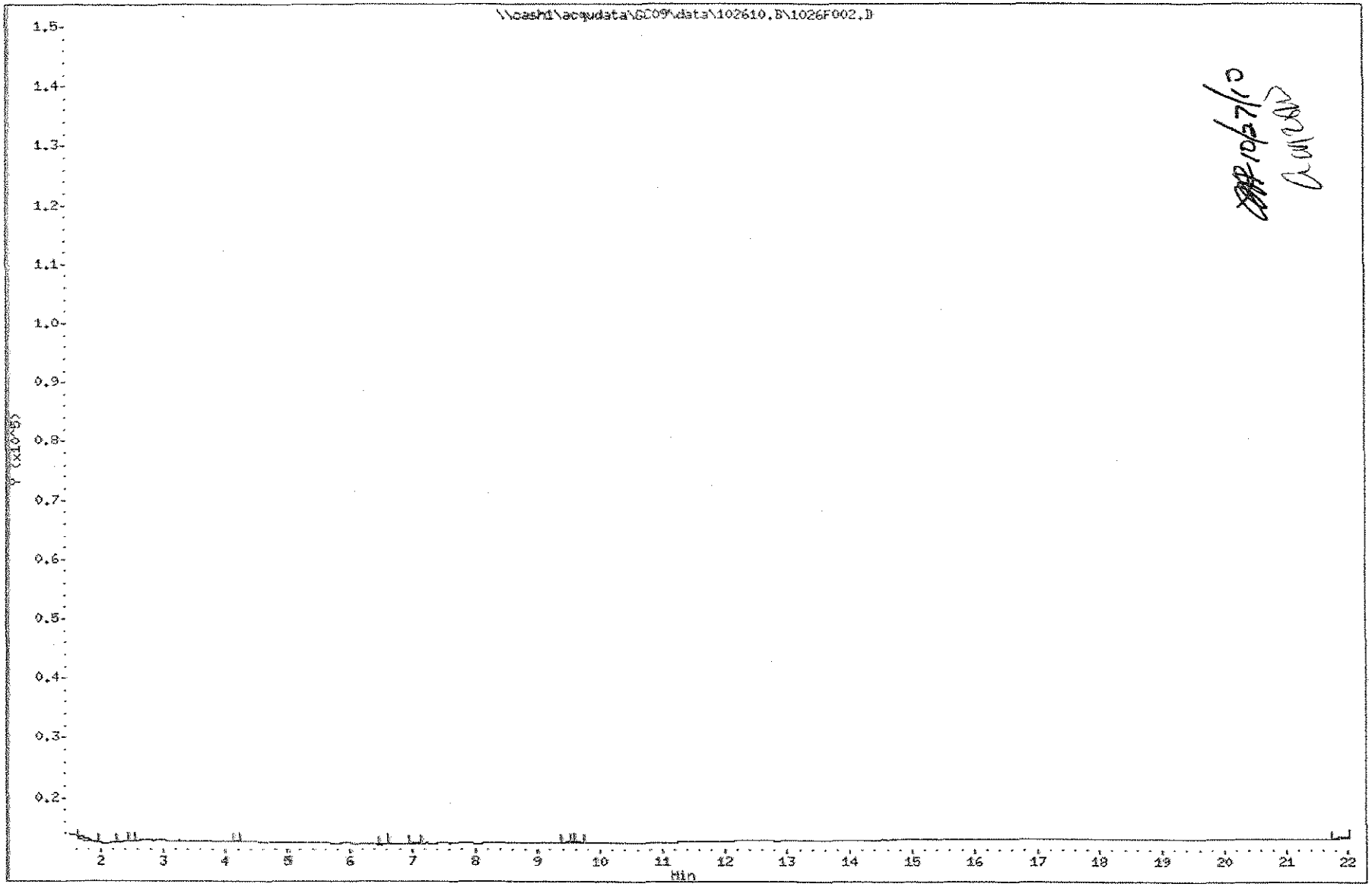
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F002.D
Date : 26-OCT-2010 23:38
Client ID:
Sample Info: IB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



10/27/10

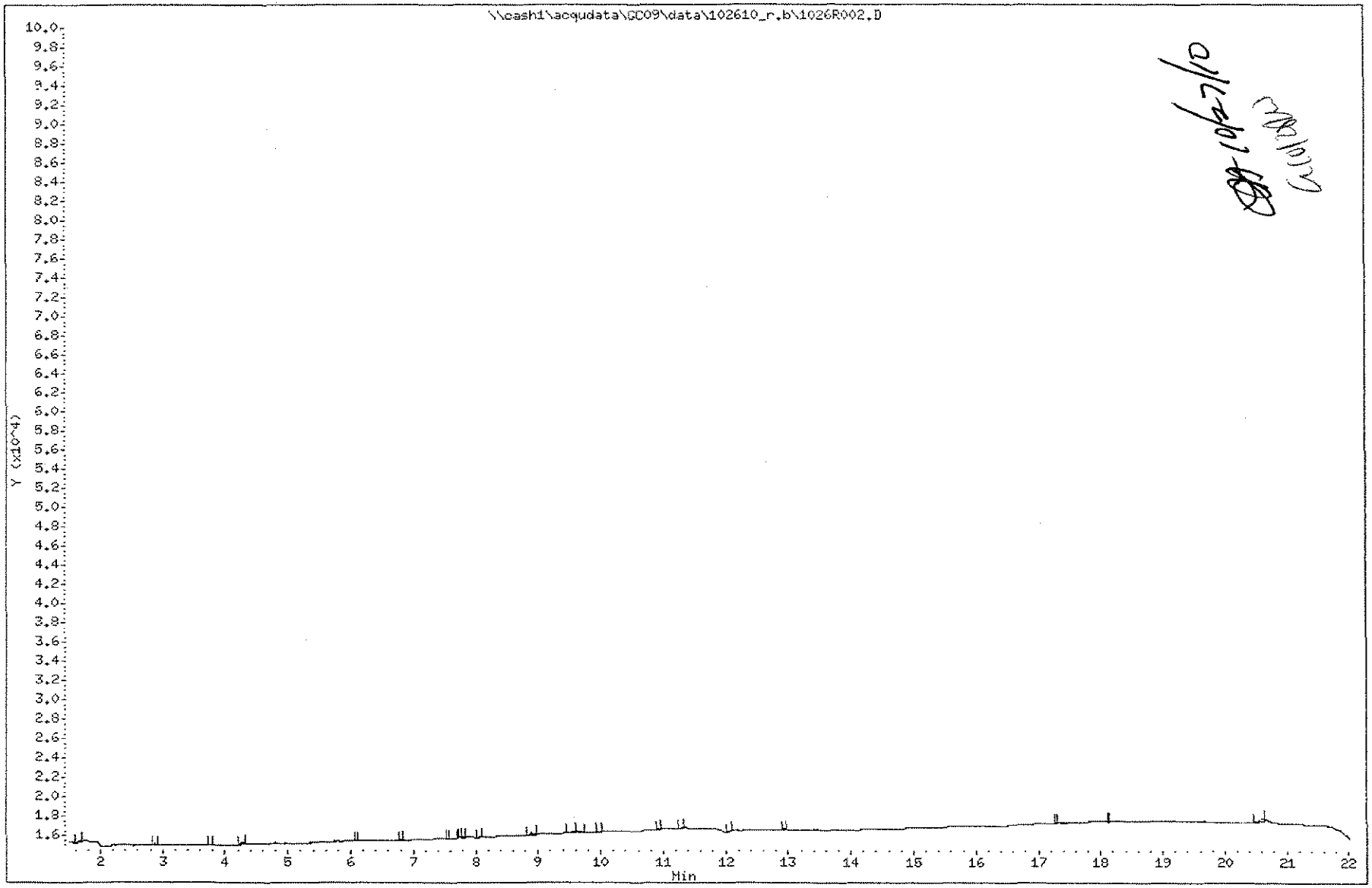
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R002.D
Date : 26-OCT-2010 23:38
Client ID:
Sample Info: IB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F003.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F003.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R003.D
Inj Date : 27-OCT-2010 00:05
Sample Info: 1660 @ 25ppb | PCB5-55F
Misc Info :
Cal Date : 27-OCT-2010 11:11
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.770	4.340	17498	16171	3.04	2.85		100.00(M)
Aroclor 1016	5.400	5.397	1751	4922	26.5	29.1	80.00- 120.00	100.00(M)
	5.453	6.590	3191	3979	27.6	14.0	133.75- 200.63	182.24(M)
	5.963	6.767	7235	3620	30.2	27.6	261.64- 392.46	413.19(M)
	6.197	6.863	3220	4272	19.0	28.1	138.17- 207.26	183.92(M)
	6.740	7.133	4934	3726	29.6	26.8	185.32- 277.98	281.78(M)
		Average of Peak Amounts =			26.6	25.1		
Aroclor 1260	9.210	9.403	11950	7451	34.6	27.9	80.00- 120.00	100.00(M)
	9.960	9.920	12036	9122	30.7	30.2	90.96- 136.44	100.72(M)
	10.033	10.507	6941	9520	19.3	25.9	53.30- 79.96	58.08(M)
	10.640	11.150	5945	6008	26.0	24.8	56.86- 85.29	49.75(M)
	11.087	11.840	13255	13338	27.8	29.7	119.58- 179.37	110.91(M)
		Average of Peak Amounts =			27.7	27.7		
Decachlorobiphenyl	15.400	16.627	16135	16541	3.10	2.98		100.00

QC Flag Legend

M - Compound response manually integrated.

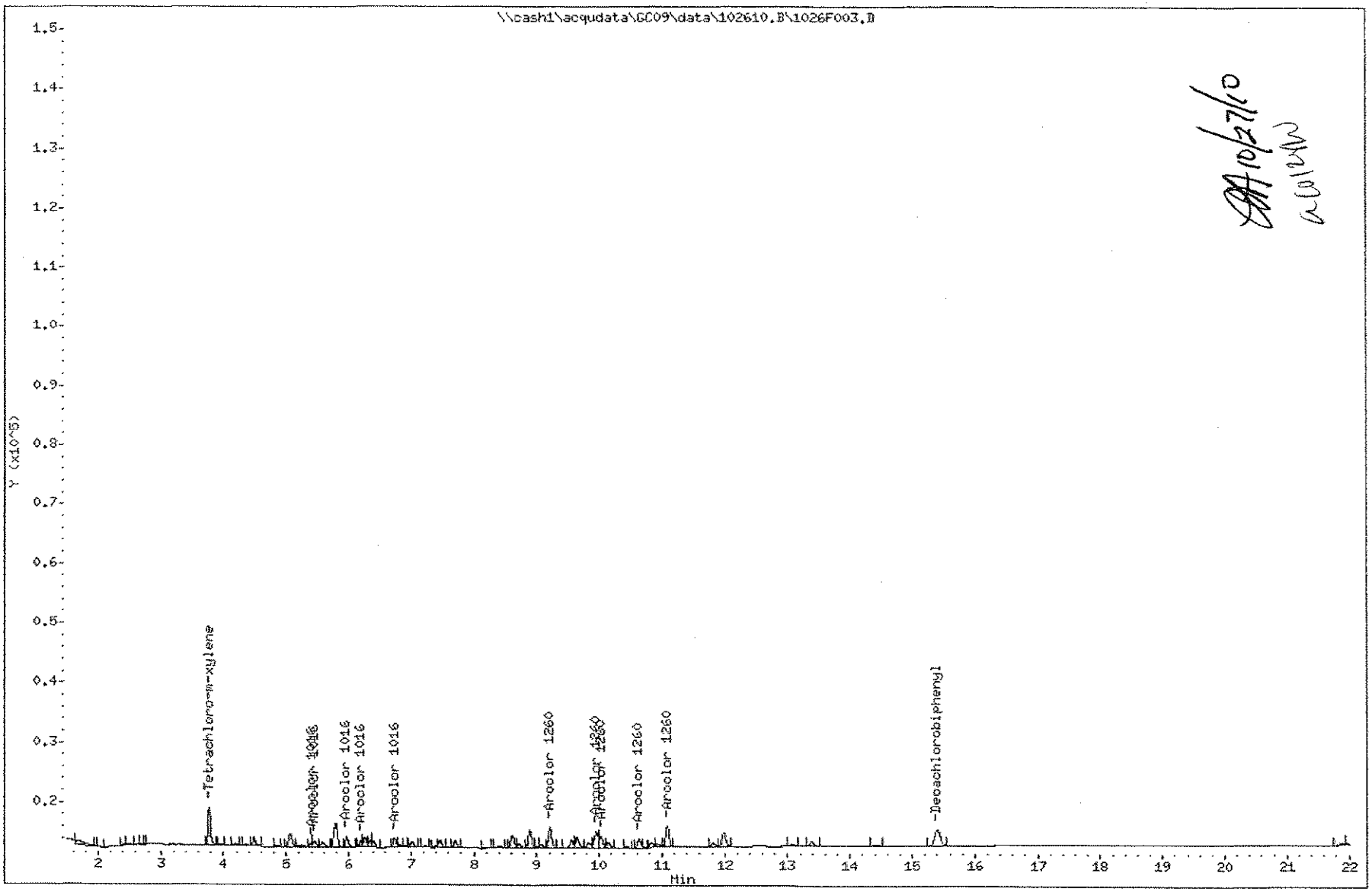
10/27/10
LWH

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F003.D
Date : 27-OCT-2010 00:05
Client ID:
Sample Info: 1660 @ 25ppb | PCB5-55F

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



10/27/10

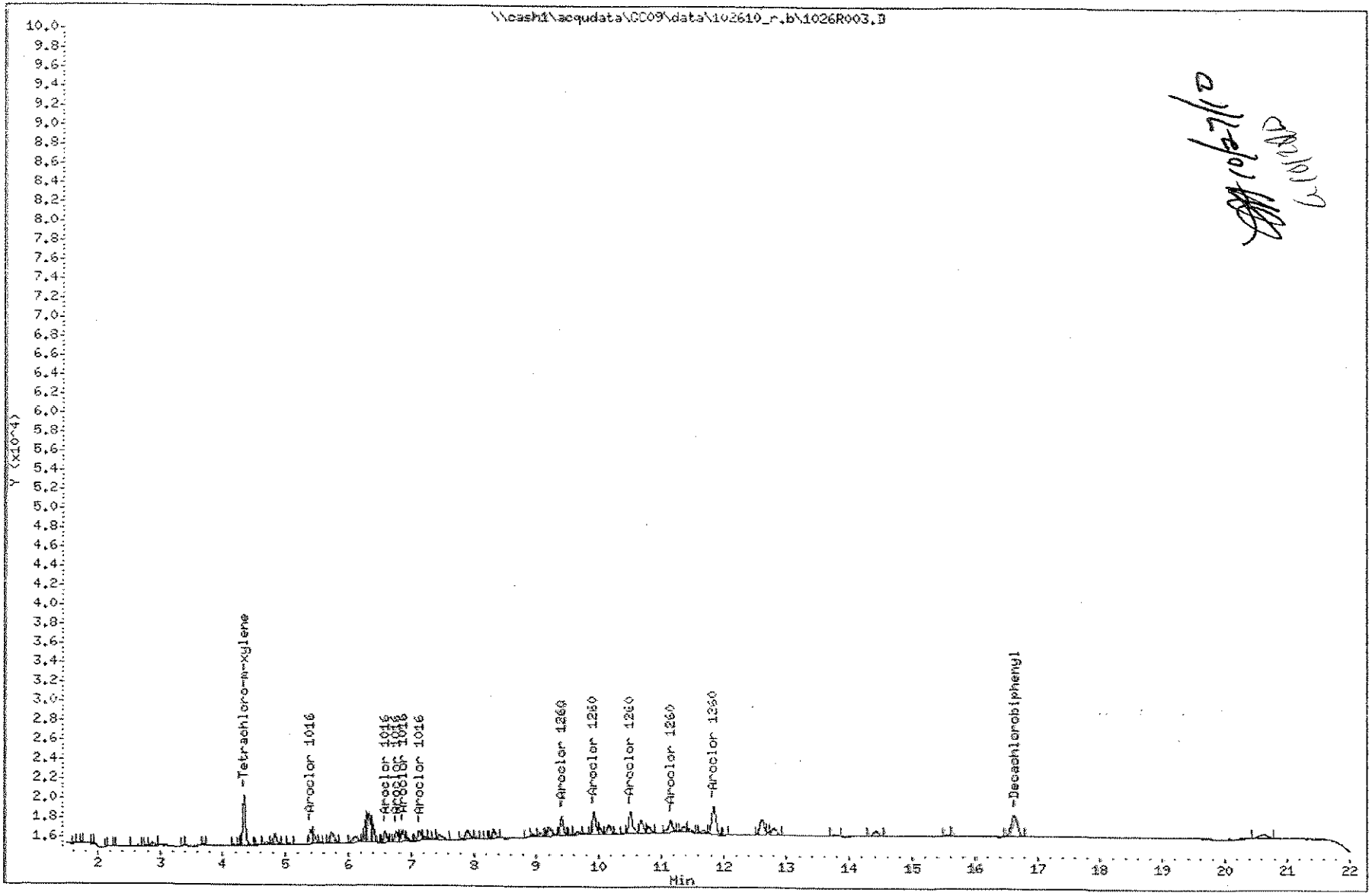
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R003.D
Date : 27-OCT-2010 00:05
Client ID:
Sample Info: 1660 @ 25ppb 1 PCB5-55F

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

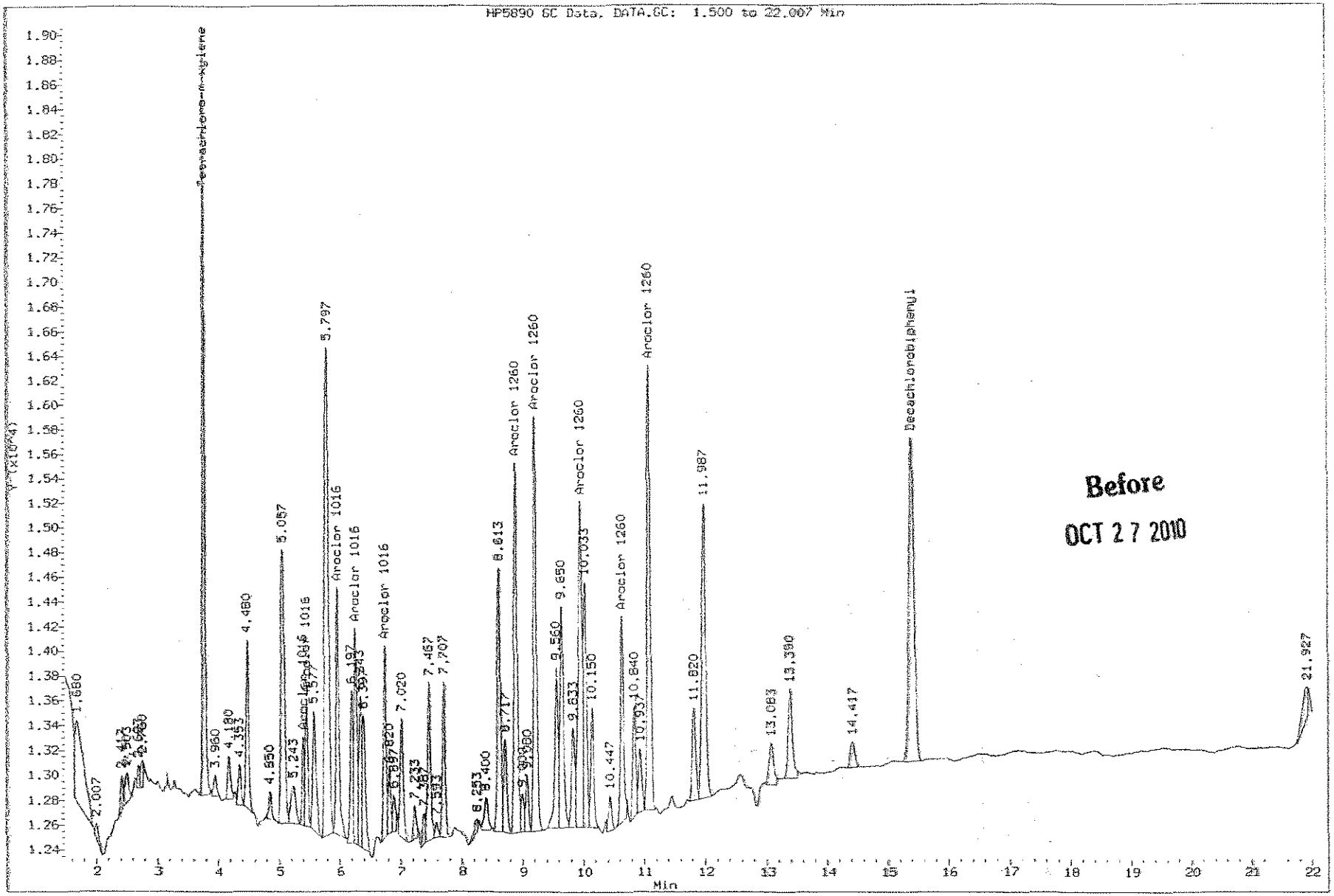
Column diameter: 0.53



10/27/10

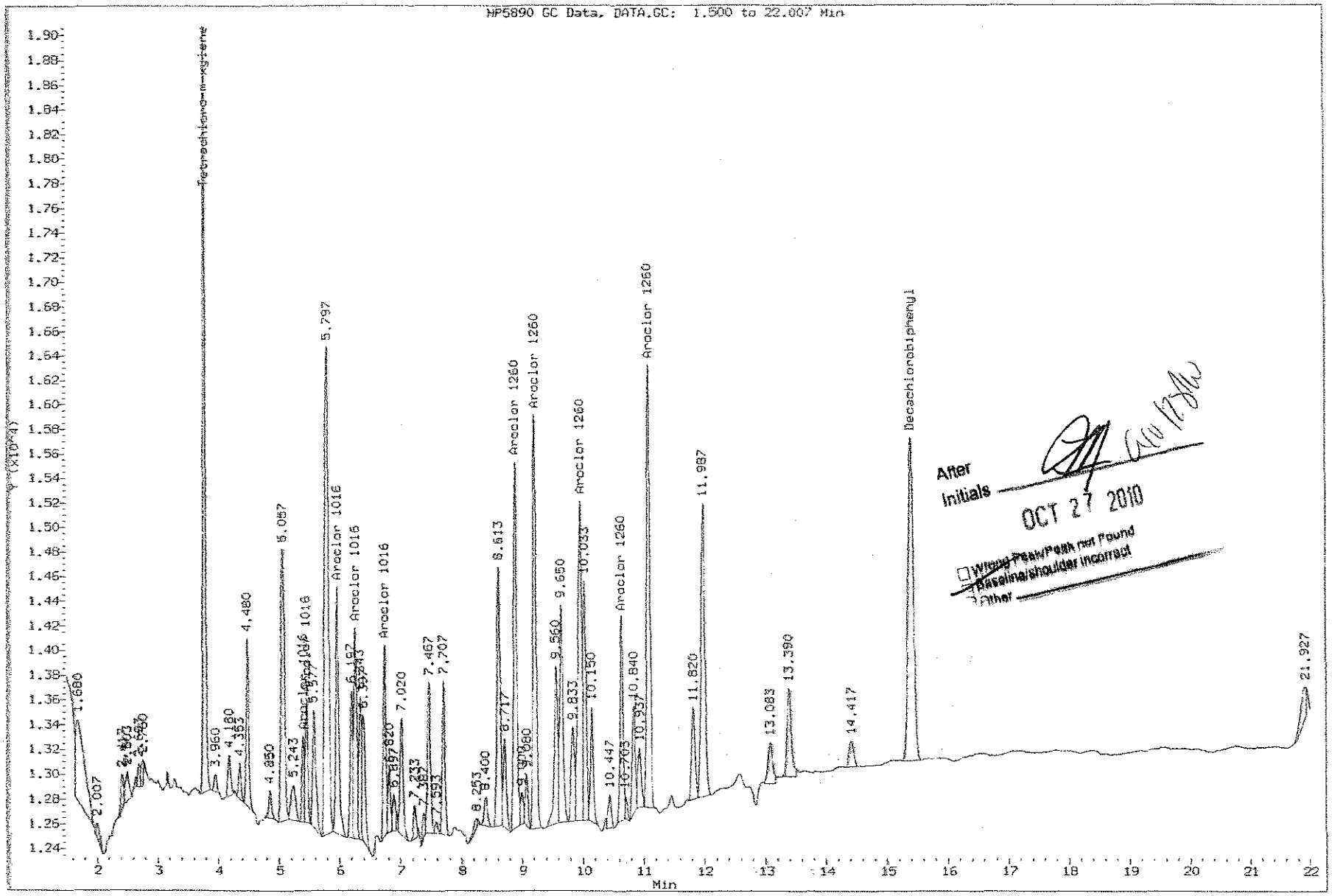
1210

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F003.D
Injection Date: 27-OCT-2010 00:05
Instrument: GC09.I
Client Sample ID:

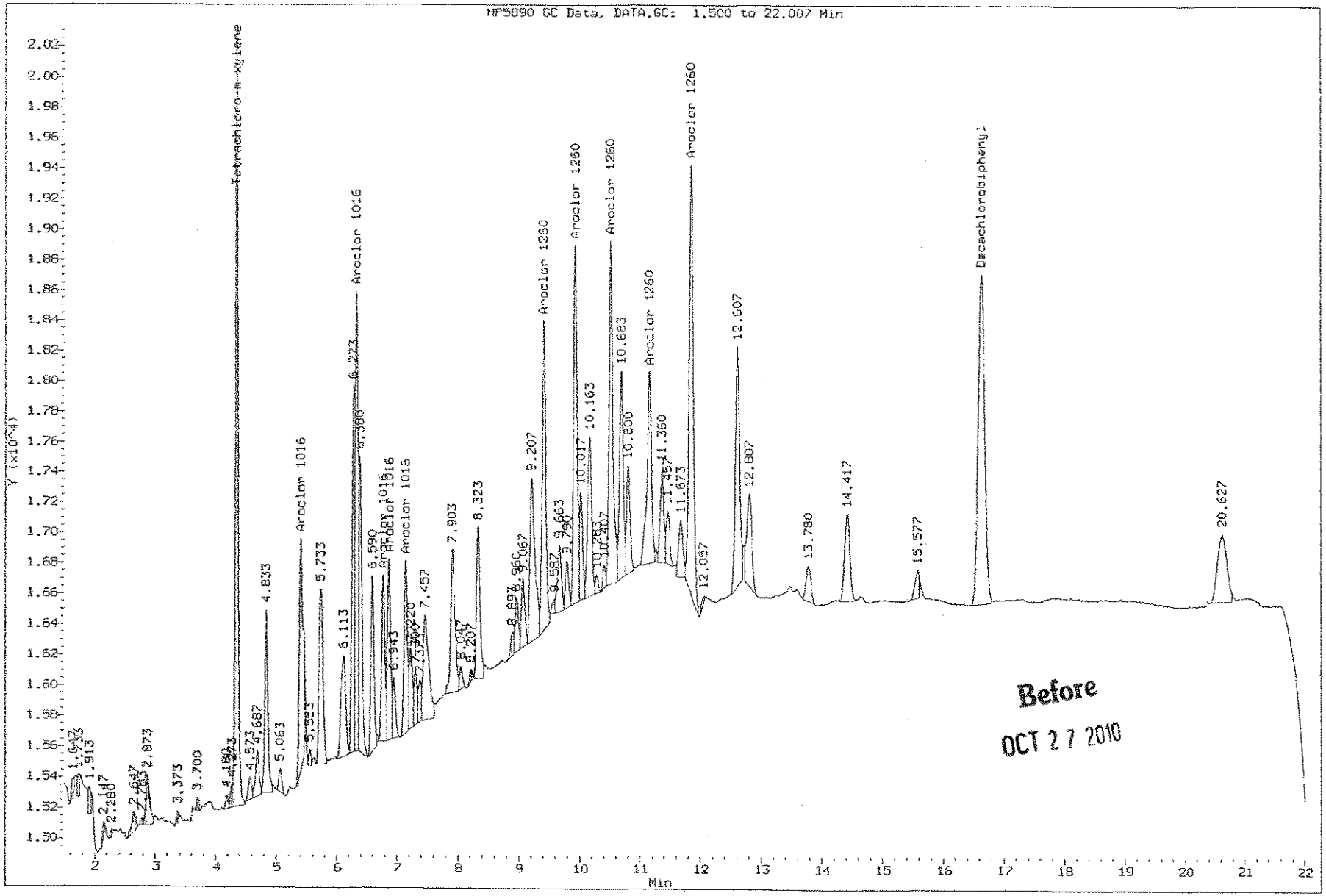


1211

Data File: \\cashl\acqudata\GC09\data\102610.B\1026F003.D
Injection Date: 27-OCT-2010 00:05
Instrument: GC09.i
Client Sample ID:

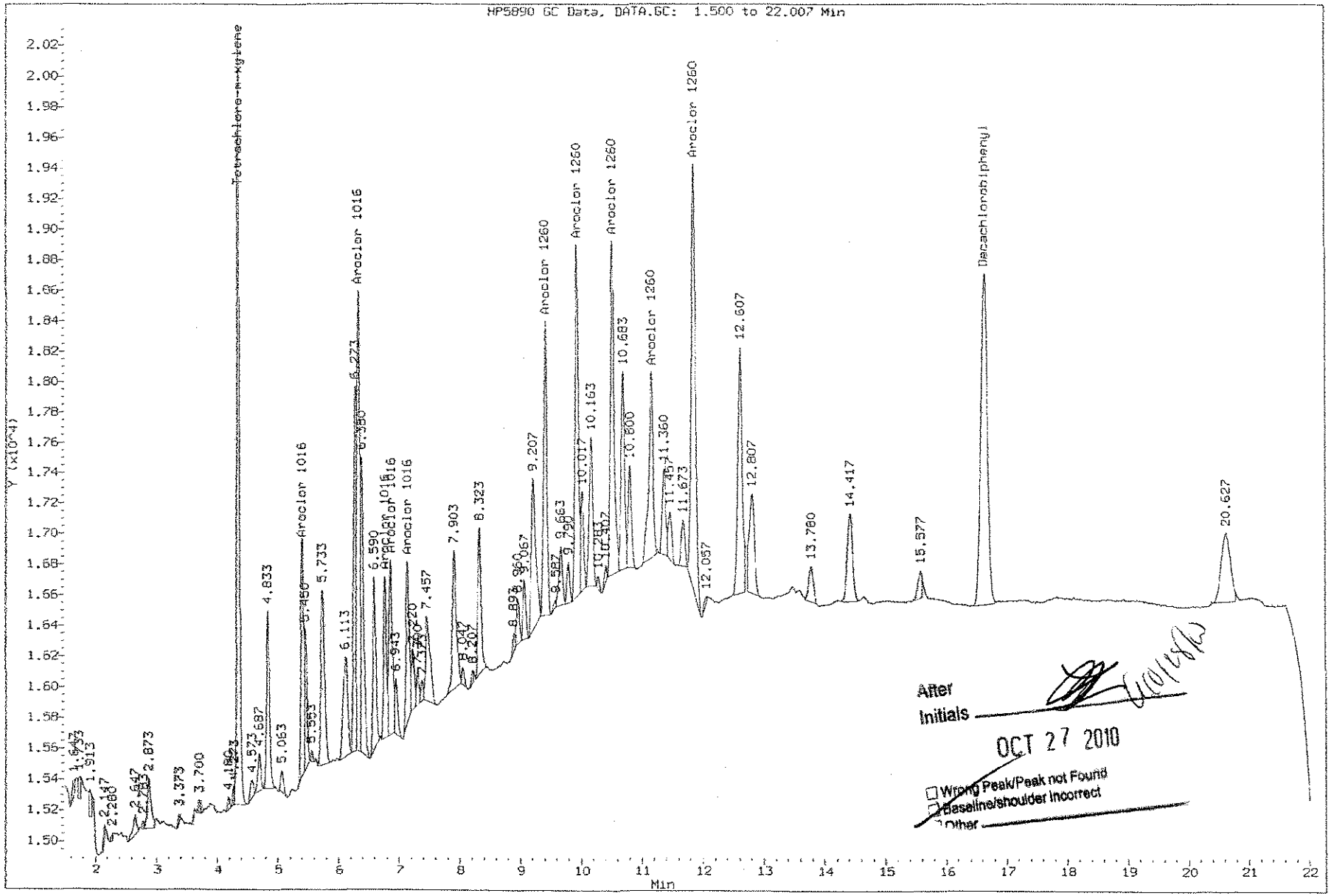


Data File: \\cashl\acqudata\GC09\data\102610_r.b\1026R003.D
Injection Date: 27-OCT-2010 00:05
Instrument: GC09.i
Client Sample ID:



1213

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R003.D
Injection Date: 27-OCT-2010 00:05
Instrument: GC09.i
Client Sample ID:



1214

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F004.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F004.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R004.D
Inj Date : 27-OCT-2010 00:31
Sample Info: 1660 @ 50ppb | PCB5-55G
Misc Info :
Cal Date : 27-OCT-2010 12:35
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.770	4.340	34459	31812	5.99	5.61		100.00
Aroclor 1016	5.400	5.397	3666	10435	55.5	61.8	80.00- 120.00	100.00
	5.453	6.587	6489	8484	56.0	35.9	133.75- 200.63	177.02
	5.963	6.763	14633	7430	61.2	56.7	261.64- 392.46	399.17
	6.197	6.860	6860	8800	44.4	57.9	138.17- 207.26	187.14
	6.740	7.133	9803	8063	58.8	58.1	185.32- 277.98	267.42
		Average of Peak Amounts =			55.2	54.1		
Aroclor 1260	9.210	9.403	23194	15584	65.4	58.3	80.00- 120.00	100.00
	9.960	9.920	23386	17998	59.6	59.5	90.96- 135.44	100.83
	10.033	10.507	13759	20294	42.0	55.1	53.30- 79.96	59.32
	10.640	11.147	13183	12322	57.7	50.8	56.86- 85.29	56.84
	11.083	11.837	26694	25180	56.0	56.0	119.58- 179.37	115.09
		Average of Peak Amounts =			56.1	55.9		
Decachlorobiphenyl	15.400	15.627	31284	32802	6.01	5.90		100.00

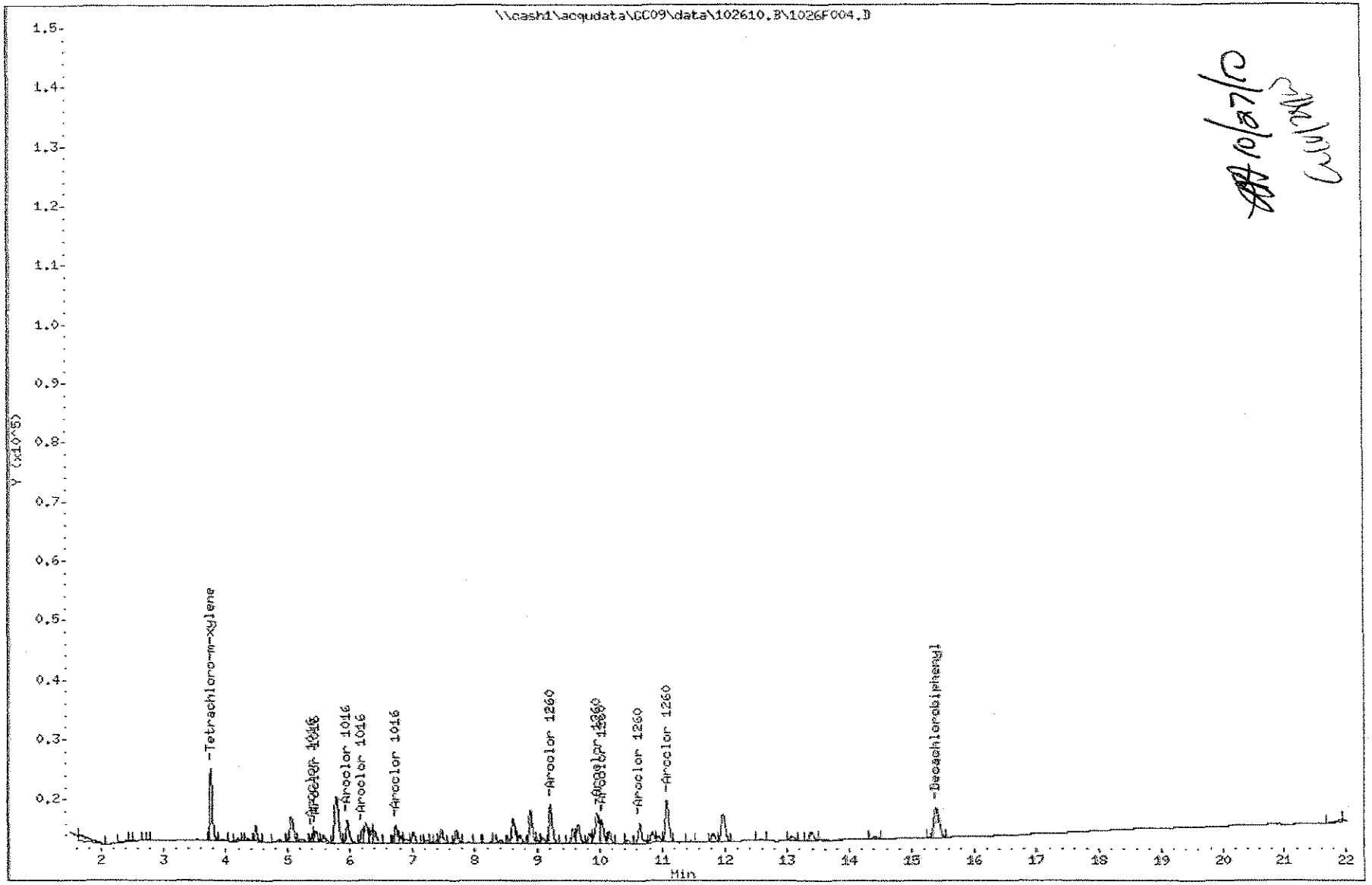
10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F004.D
Date : 27-OCT-2010 00:31
Client ID:
Sample Info: 1660 @ 50ppb | PCB5-5BG

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



10/27/10

1216

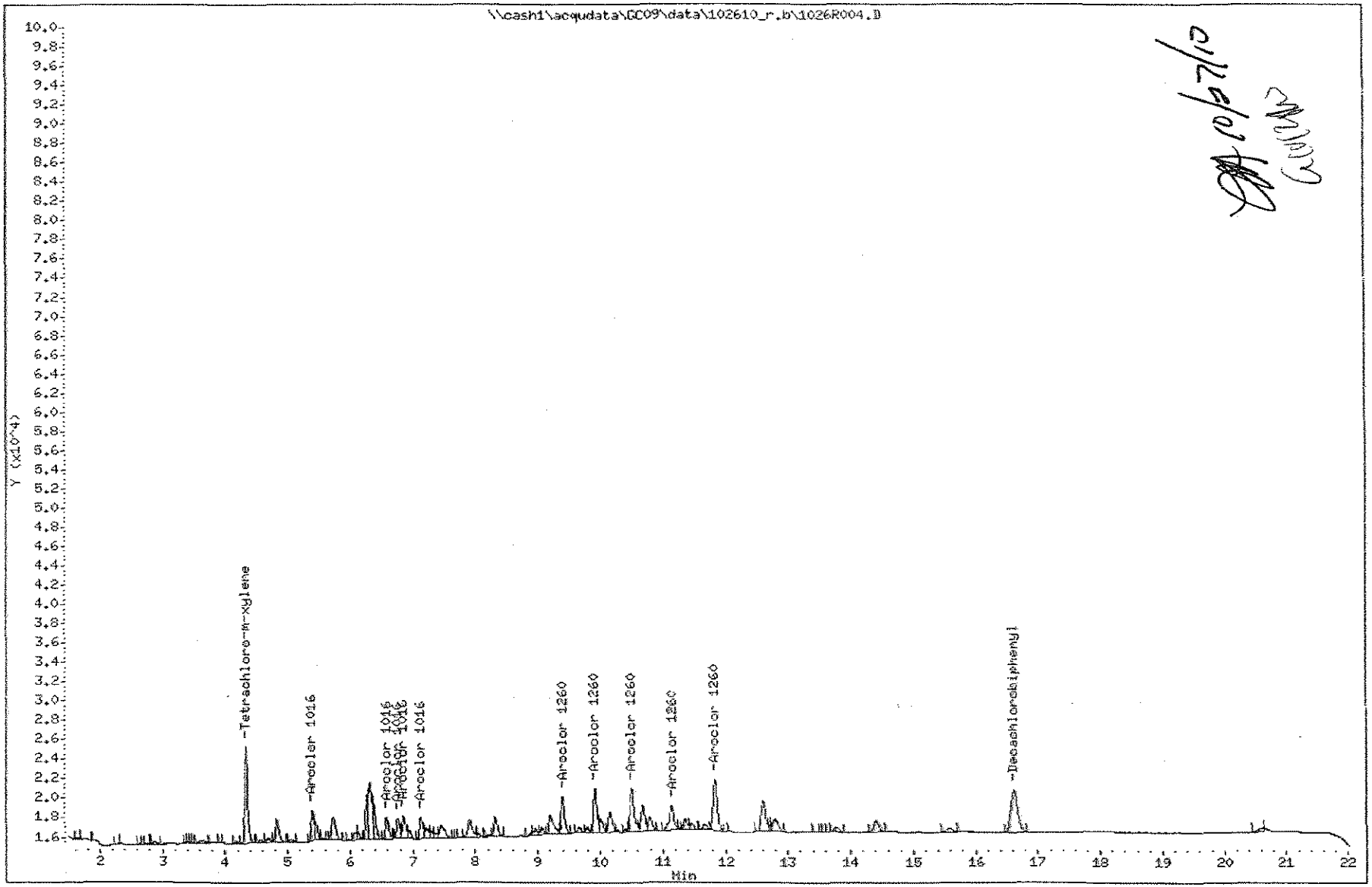
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R004.D
Date : 27-OCT-2010 00:31
Client ID:
Sample Info: 1660 @ 50ppb I PCB5-55G

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

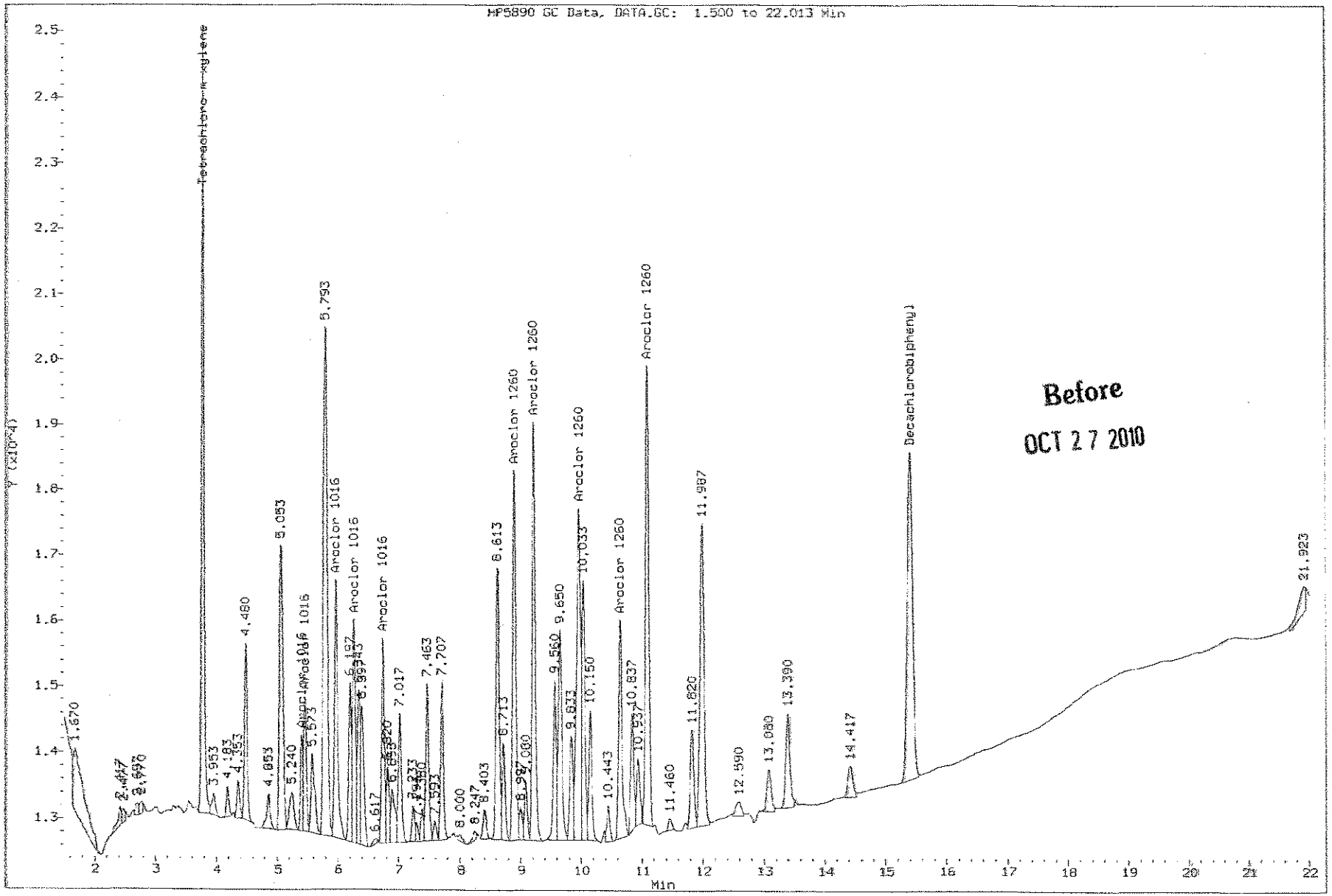
Column diameter: 0.53



10/27/10

1217

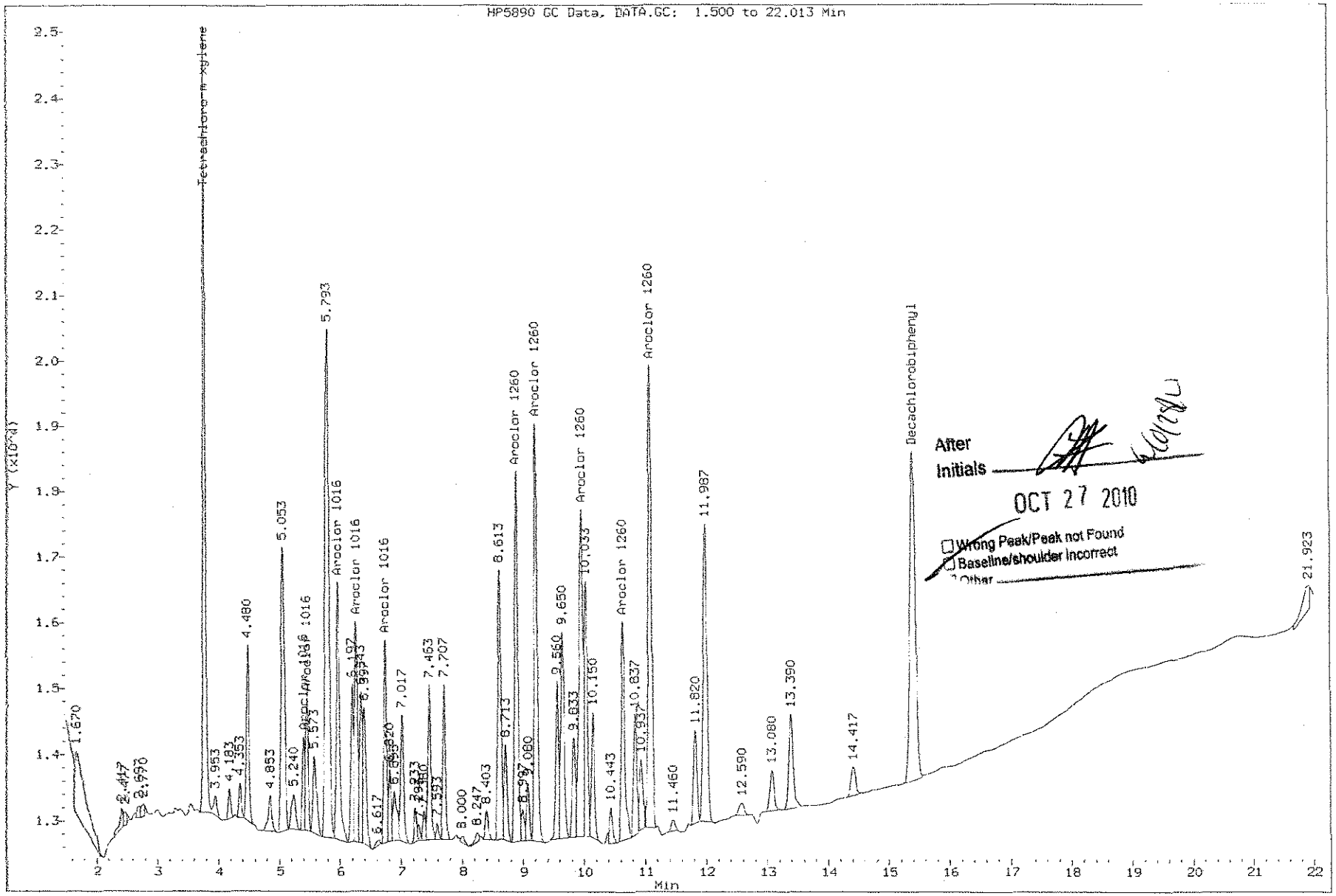
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F004.D
Injection Date: 27-OCT-2010 00:34
Instrument: GC09.i
Client Sample ID:



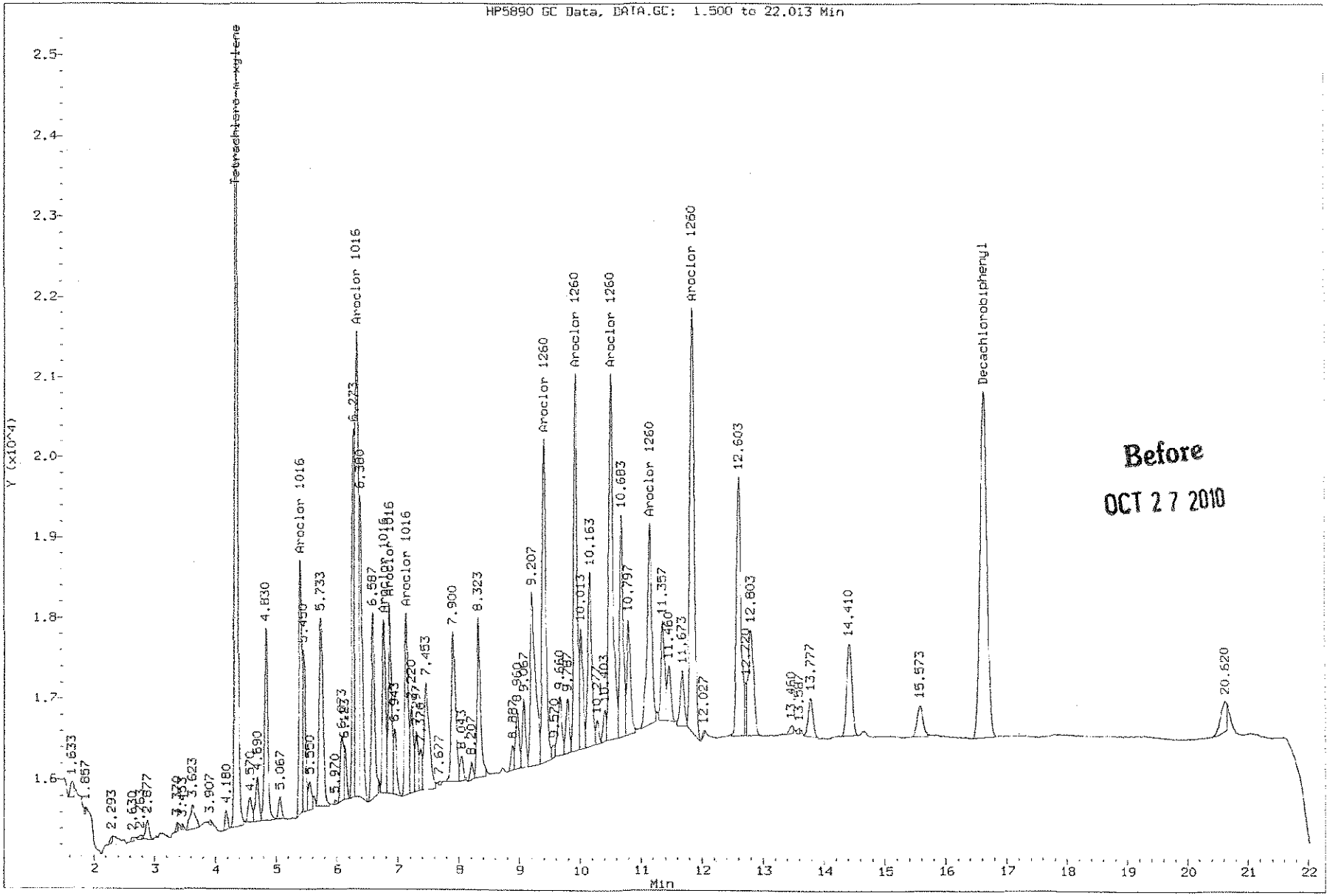
Before
OCT 27 2010

1218

Data File: \\cashl\acqudata\GC09\data\102610.B\1026F004.D
Injection Date: 27-OCT-2010 00:31
Instrument: GC09.i
Client Sample ID:

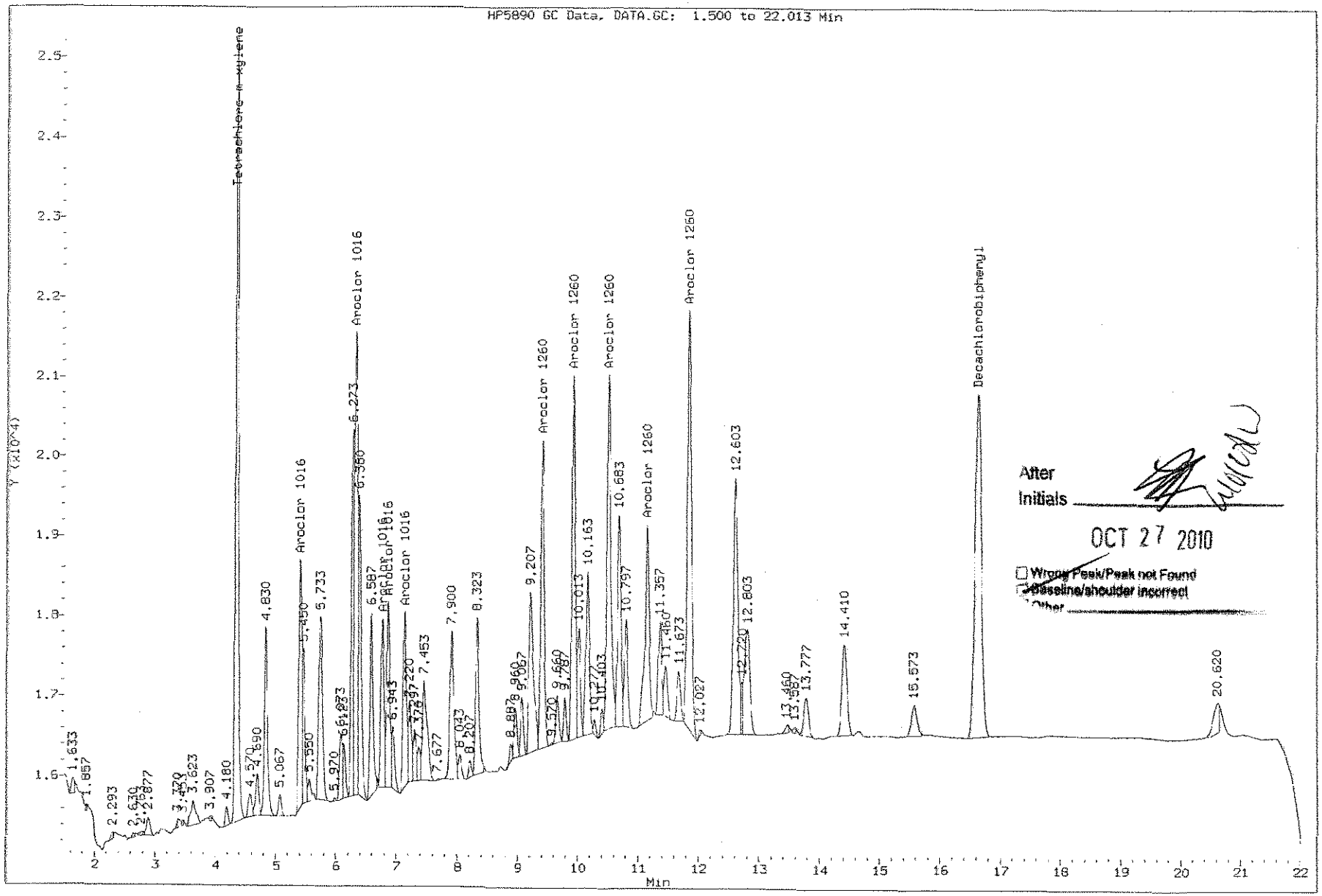


Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R004.D
Injection Date: 27-OCT-2010 00:31
Instrument: GC09.i
Client Sample ID:



1220

Data File: \\cashl\acqudata\GC09\data\102610_r.b\1026R004.D
Injection Date: 27-OCT-2010 00:31
Instrument: GC09.i
Client Sample ID:



1221

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F005.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F005.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R005.D
Inj Date : 27-OCT-2010 00:58
Sample Info: 1660 @ 500ppb | PCB5-55H
Misc Info :
Cal Date : 27-OCT-2010 12:35
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.770	4.340	299282	302013	52.0	53.3		100.00
Aroclor 1016	5.400	5.400	36962	92633	560	548	80.00- 120.00	100.00
	5.453	6.590	64655	94046	558	398	133.75- 200.63	174.92
	5.967	6.767	124935	72835	522	556	261.64- 392.46	338.00
	6.200	6.850	62952	83193	445	548	138.17- 207.26	170.31
	6.740	7.133	89891	76266	540	549	185.32- 277.98	243.20
		Average of Peak Amounts =			525	520		
Aroclor 1260	9.210	9.403	166080	145634	507	545	80.00- 120.00	100.00
	9.960	9.920	203269	159891	509	528	90.96- 136.44	109.24
	10.033	10.507	120486	200333	401	544	53.30- 79.96	64.75
	10.640	11.150	119909	133216	524	549	56.86- 85.29	64.44
	11.083	11.840	251440	232475	527	517	119.58- 179.37	135.12
		Average of Peak Amounts =			494	537		
Decachlorobiphenyl	15.400	16.623	269047	297413	51.7	53.5		100.00

10/27/10
AW 28

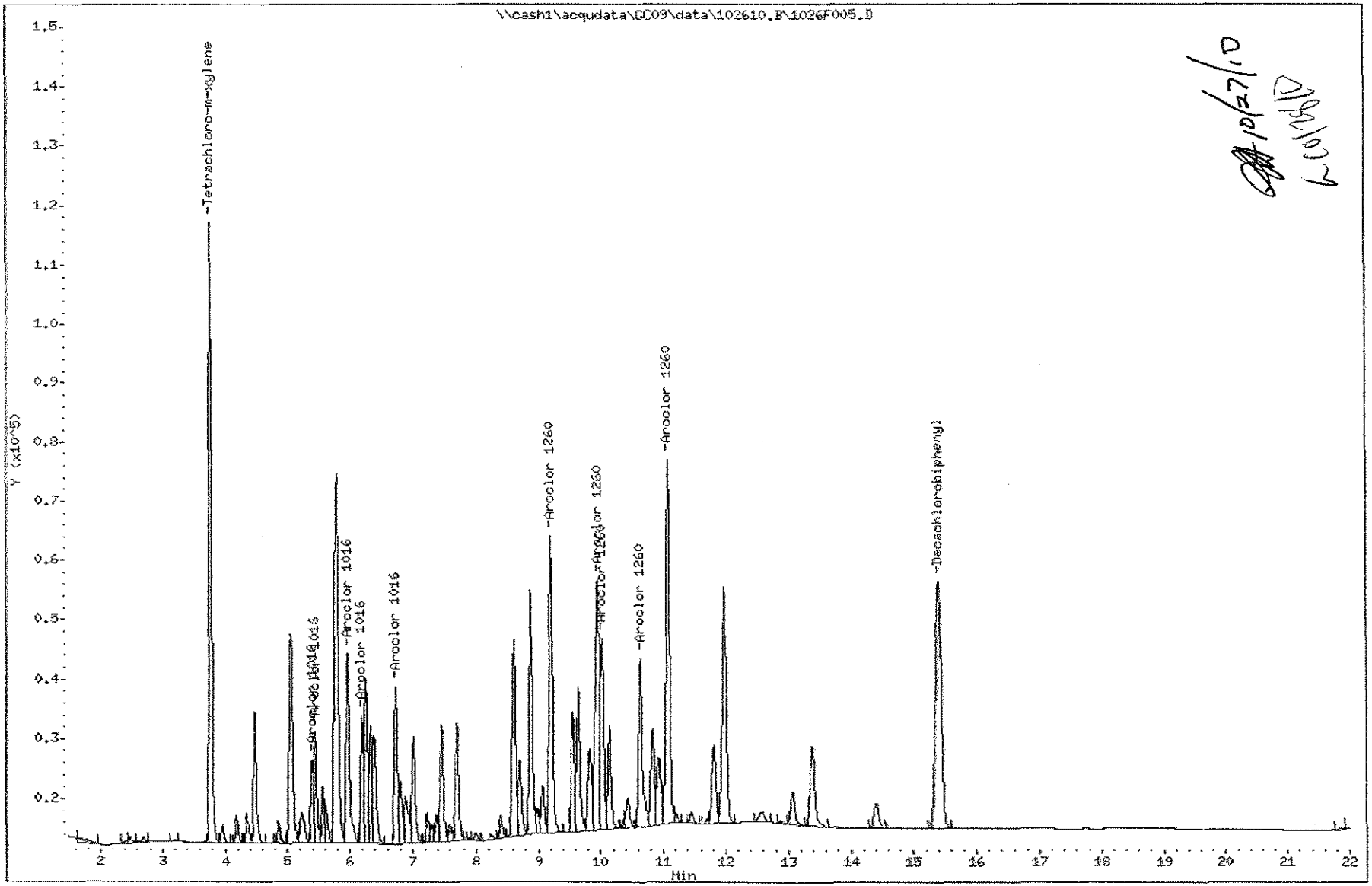
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F005.D
Date : 27-OCT-2010 00:58
Client ID:
Sample Info: 1660 @ 500ppb I PCB5-55H

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



10/27/10

1223

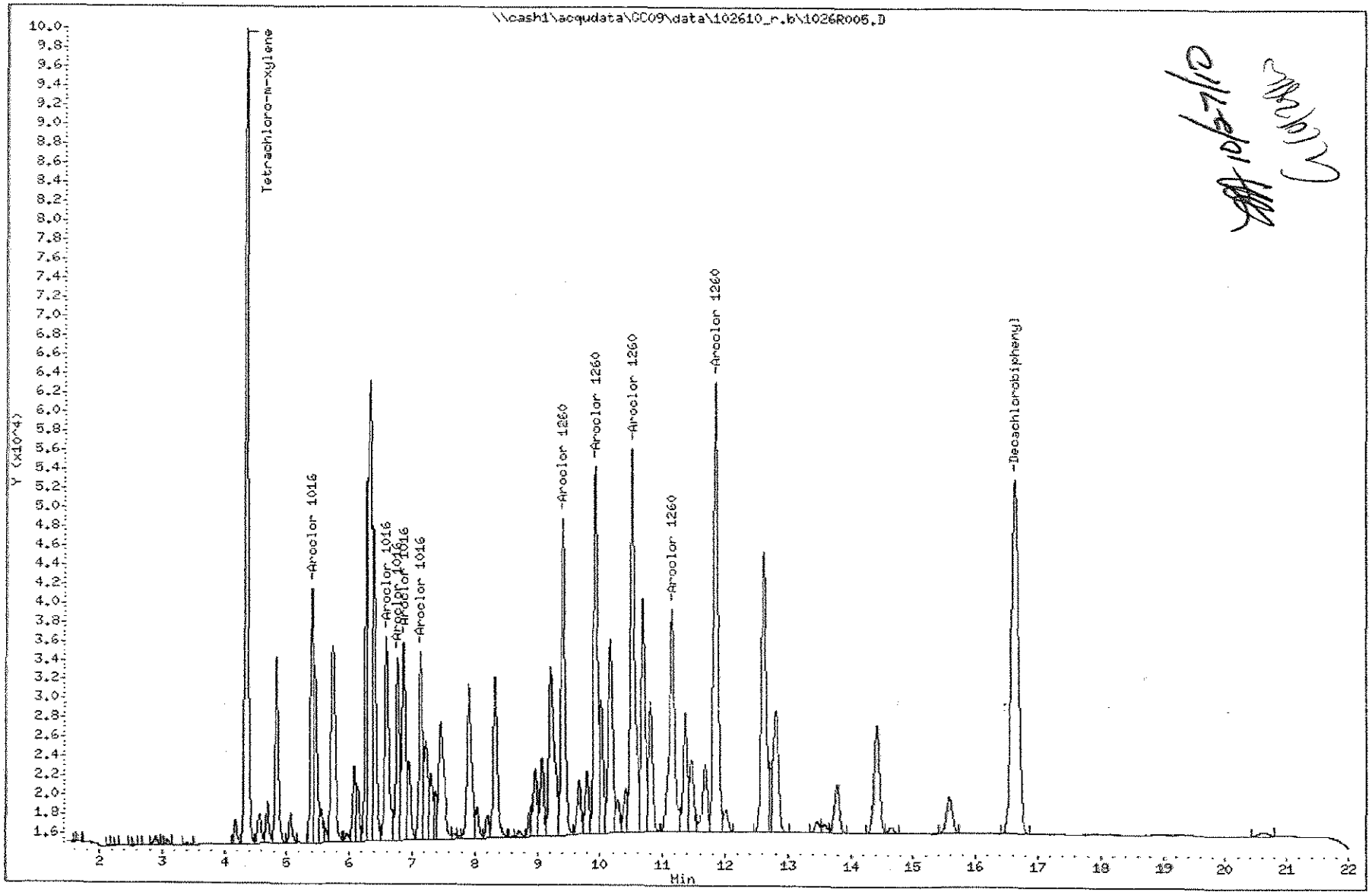
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R005.D
Date : 27-OCT-2010 00:58
Client ID:
Sample Info: 1660 @ 500ppb | PCB5-55H

Instrument: GC09.i

Operator: LHarris

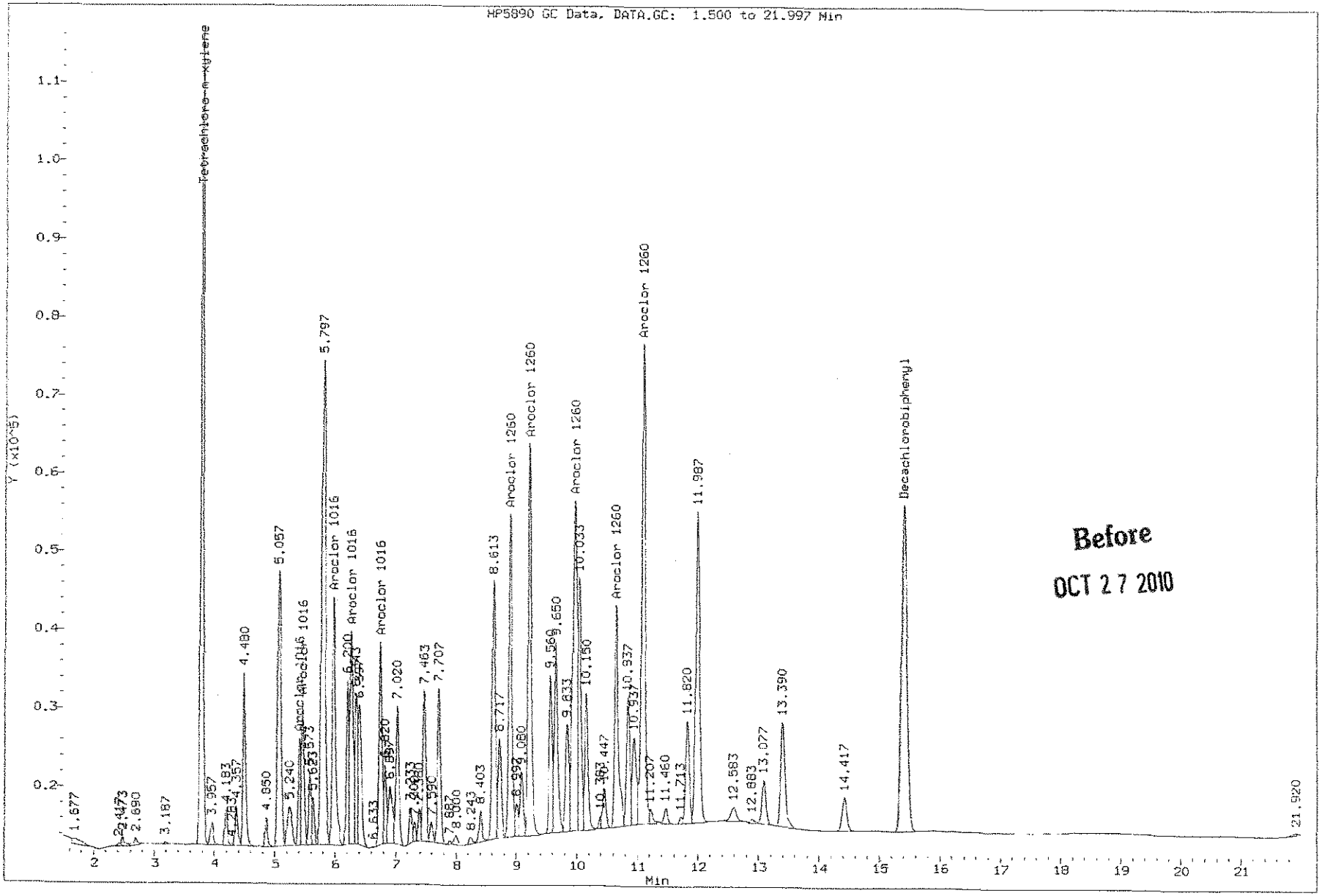
Column phase: DB-XLB

Column diameter: 0.53



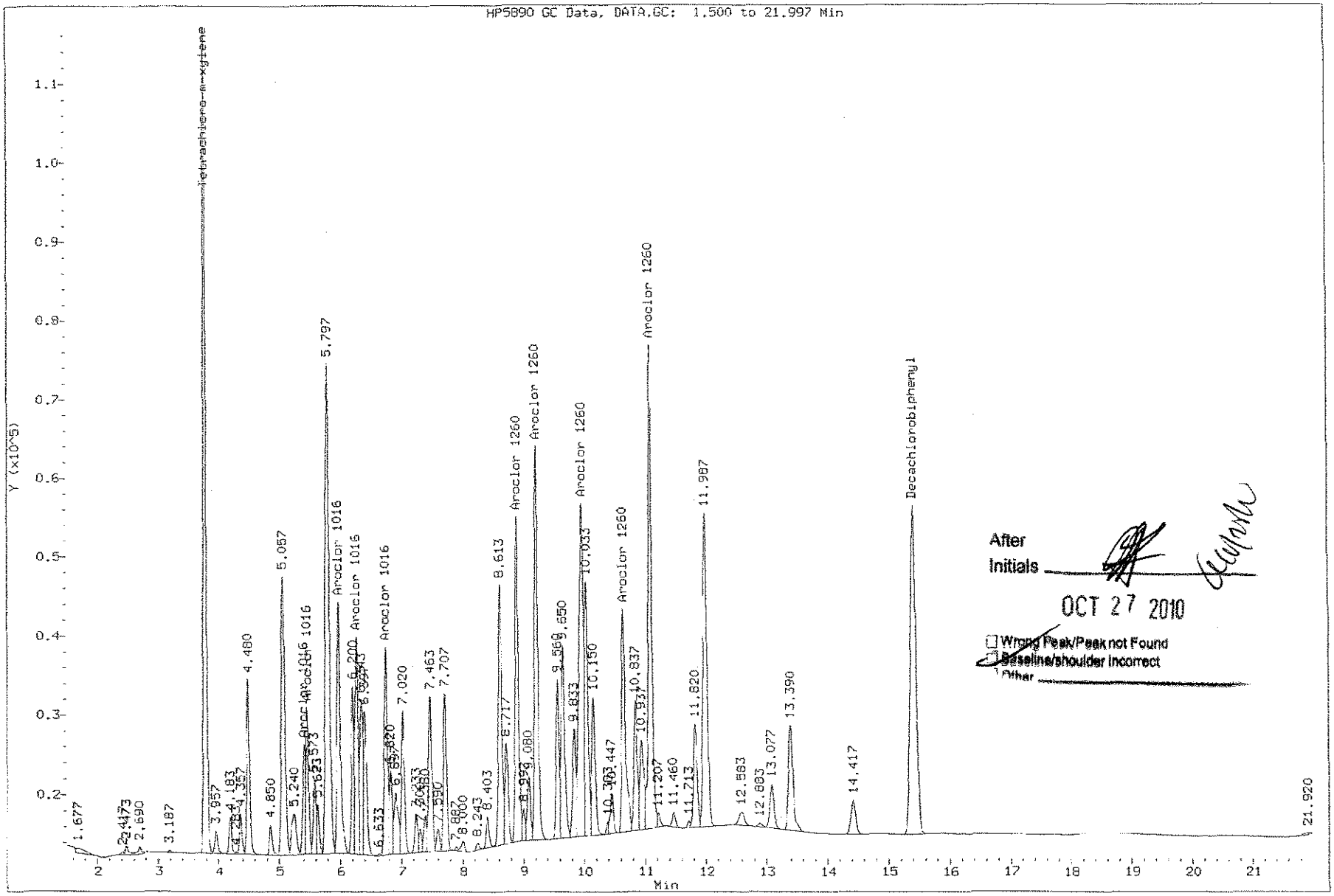
1224

Data File: \\cashl\acqudata\GC09\data\102610.B\1026F005.D
Injection Date: 27-OCT-2010 00:58
Instrument: GC09.i
Client Sample ID:



1225

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F005.D
Injection Date: 27-OCT-2010 00:58
Instrument: GC09.i
Client Sample ID:



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F006.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F006.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R006.D
Inj Date : 27-OCT-2010 01:25
Sample Info: 1660 @ 1000ppb | PCB5-65K
Misc Info :
Cal Date : 27-OCT-2010 12:35
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026I0_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.770	4.340	538295	551569	93.6	97.3		100.00
Aroclor 1016	5.400	5.397	65769	158071	996	936	80.00- 120.00	100.00
	5.453	6.590	115204	172124	995	821	133.75- 200.63	175.16
	5.963	6.767	227128	130059	949	993	261.64- 392.46	345.34
	6.200	6.860	113741	149537	863	984	138.17- 207.26	172.94
	6.740	7.133	159918	137794	960	992	185.32- 277.98	243.15
		Average of Peak Amounts =			953	945		
Aroclor 1260	9.210	9.403	341403	259506	899	971	80.00- 120.00	100.00
	9.960	9.920	362282	285490	898	944	90.96- 136.44	106.12
	10.030	10.507	226077	368885	815	1000	53.30- 79.95	66.22
	10.640	11.150	227452	248251	995	1020	56.86- 85.29	66.62
	11.087	11.840	462906	429941	970	957	119.58- 179.37	135.59
		Average of Peak Amounts =			915	978		
Decachlorobiphenyl	15.400	16.627	490000	534230	94.2	96.2		100.00

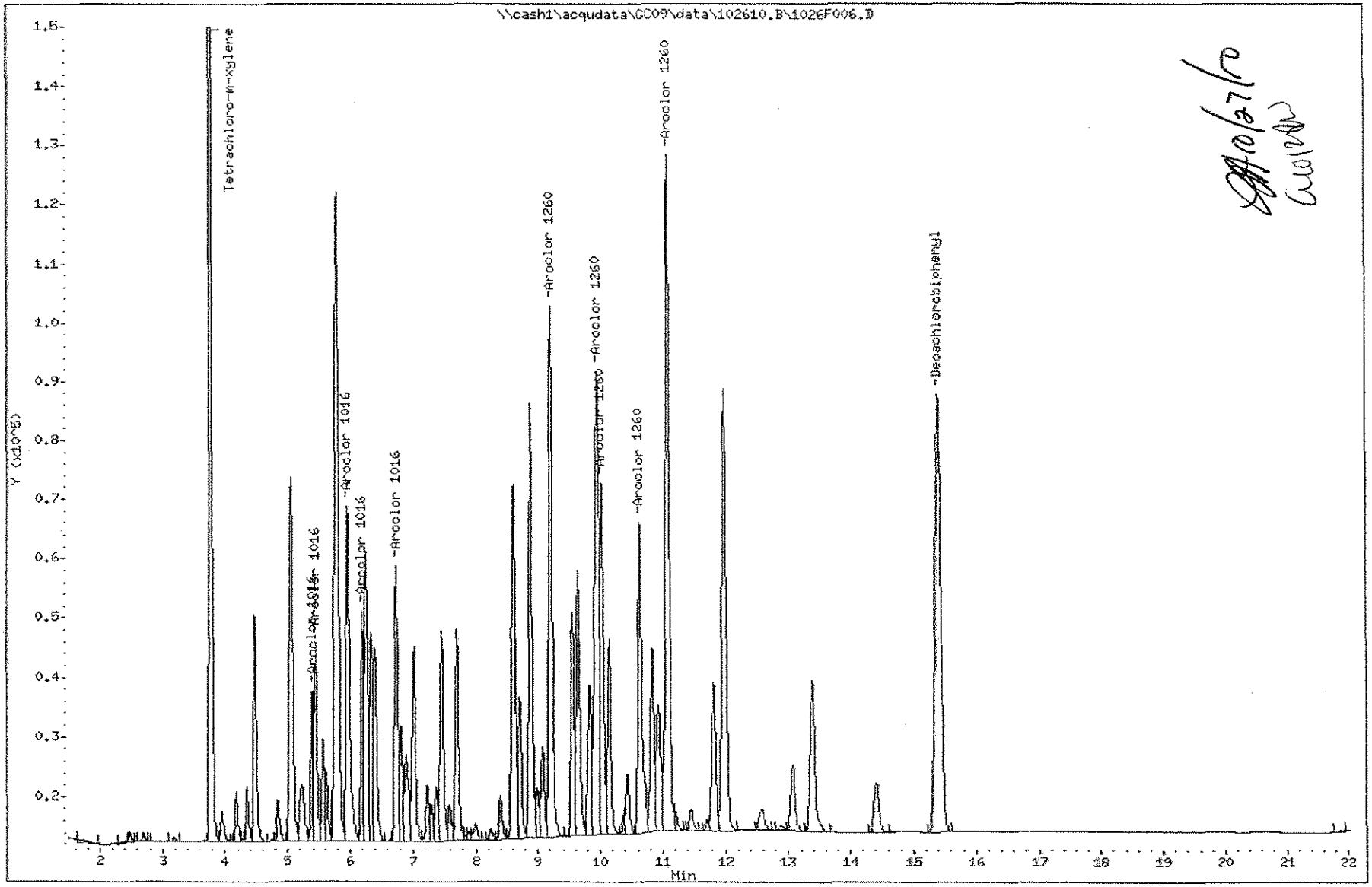
10/27/10
ACO 12/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F006.D
Date : 27-OCT-2010 01:25
Client ID:
Sample Info: 1660 @ 1000ppb | PCB5-65K

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



1228

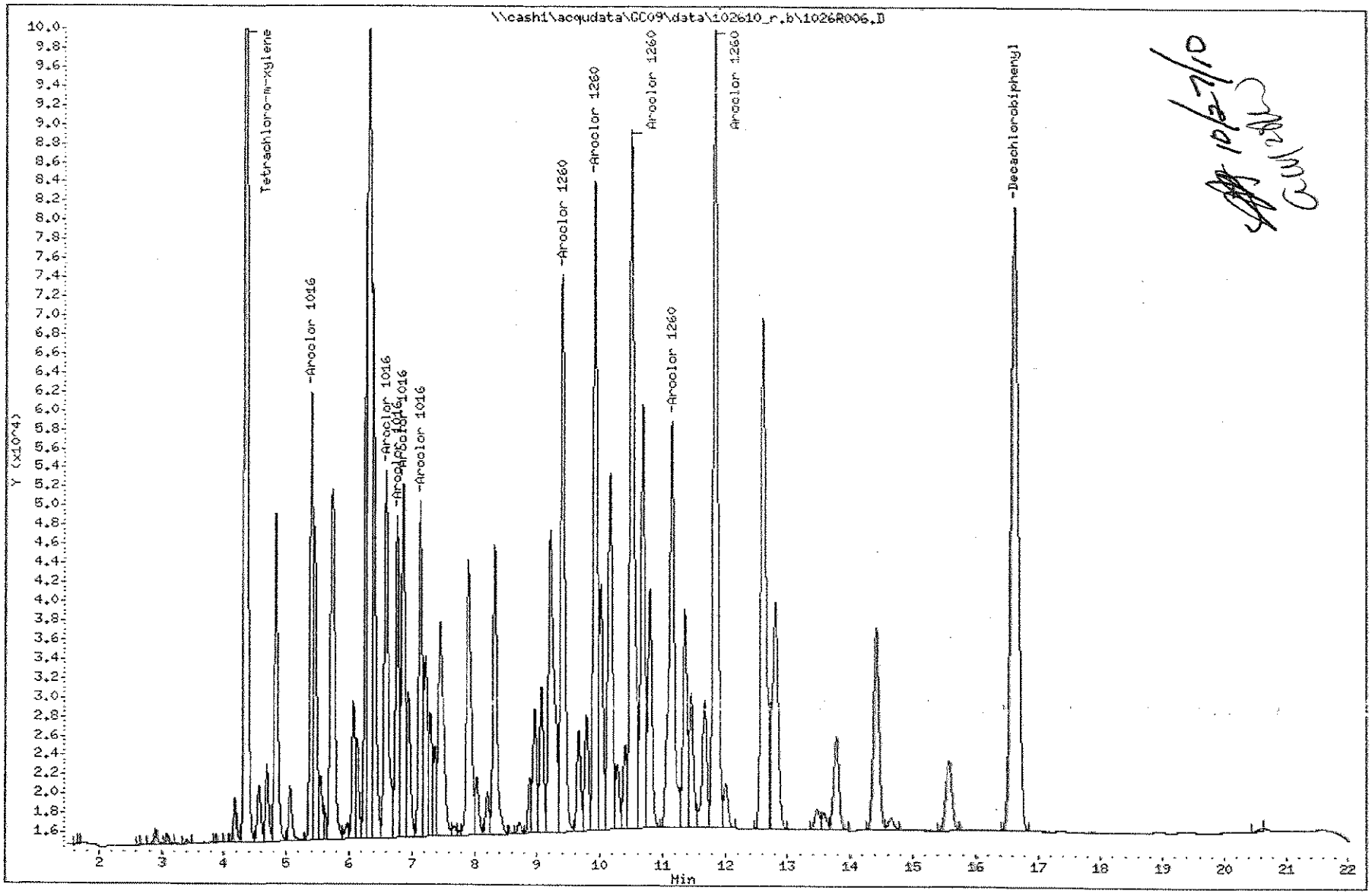
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R006.D
Date : 27-OCT-2010 04:25
Client ID:
Sample Info: 1660 @ 1000ppb | PCB5-65K

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1229

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F007.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F007.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R007.D
Inj Date : 27-OCT-2010 01:51
Sample Info: 1660 @ 2000ppb | PCB5-55J
Misc Info :
Cal Date : 27-OCT-2010 12:35
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.770	4.340	969865	1001579	169	177		100.00
Aroclor 1016	5.400	5.397	117424	279517	1780	1650	80.00- 120.00	100.00
	5.453	6.587	203016	306666	1750	1640	133.75- 200.63	172.89
	5.963	6.763	396057	226969	1660	1730	261.64- 392.46	337.29
	6.200	6.860	201587	261870	1630	1720	138.17- 207.26	171.67
	6.740	7.133	280297	243816	1680	1760	185.32- 277.98	238.71
		Average of Peak Amounts =			1700	1700		
Aroclor 1260	9.210	9.433	598637	459955	1530	1720	80.00- 120.00	100.00
	9.960	9.920	661450	501359	1610	1660	90.96- 136.44	110.49
	10.030	10.503	395241	668406	1550	1820	53.30- 79.96	66.02
	10.640	11.147	413176	469217	1810	1930	56.86- 85.29	69.02
	11.083	11.843	839890	781329	1760	1740	119.58- 179.37	140.30
		Average of Peak Amounts =			1650	1770		
Decachlorobiphenyl	15.400	16.627	857506	931188	165	168		100.00

10/27/10

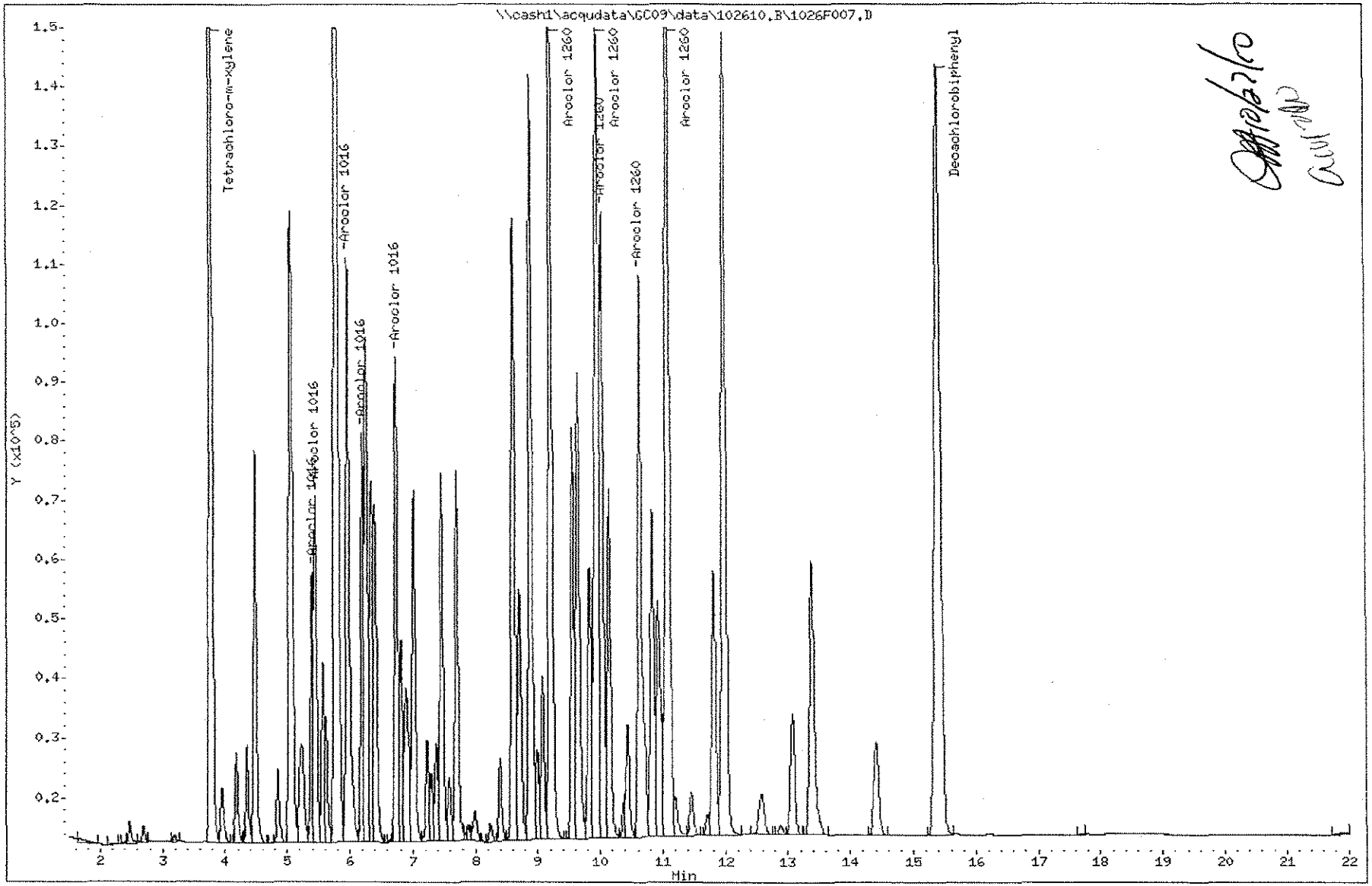
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F007.D
Date : 27-OCT-2010 01:51
Client ID:
Sample Info: 1660 @ 2000ppb | PCB5-55J

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



1231

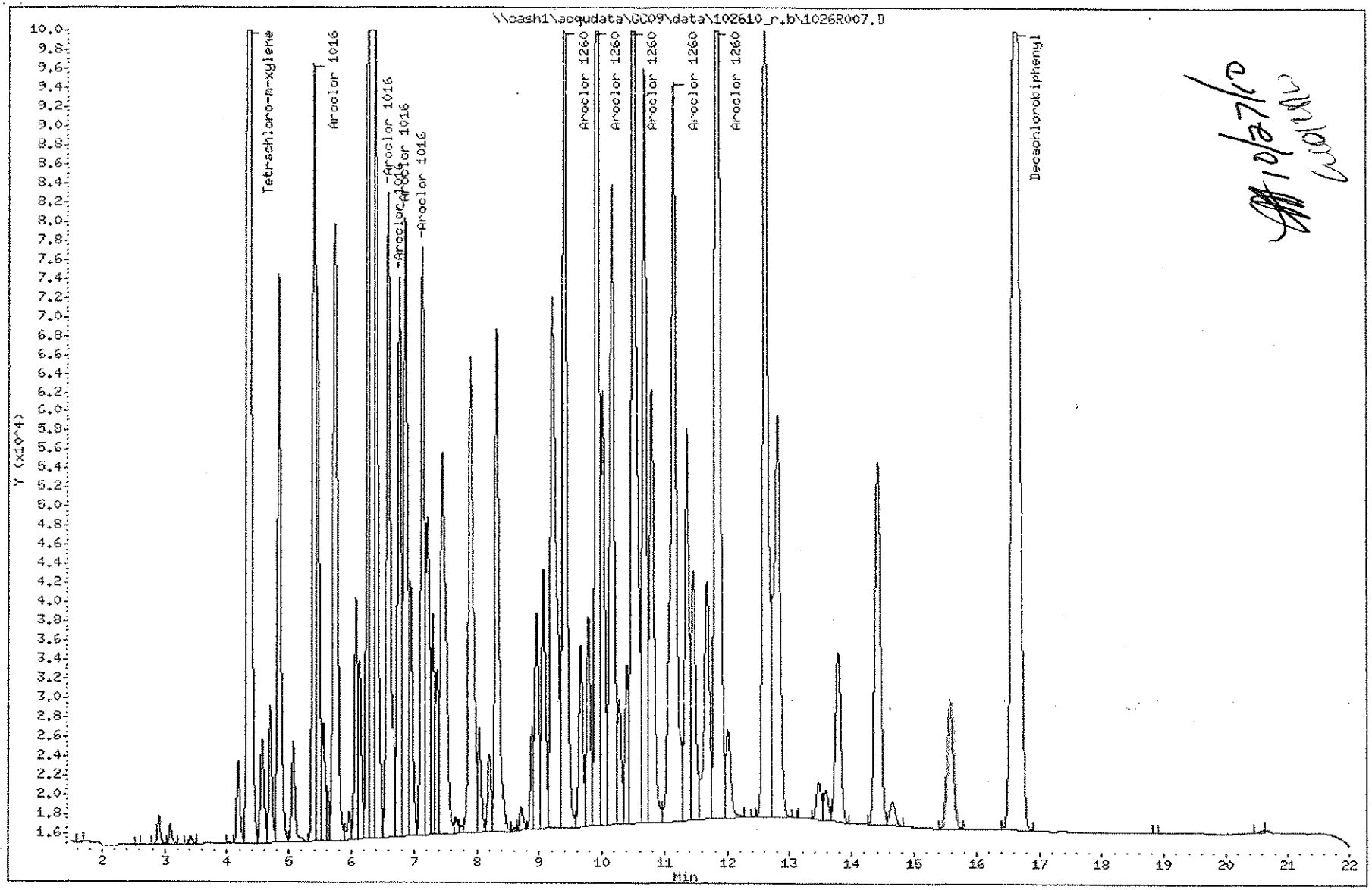
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R007.D
Date : 27-OCT-2010 01:51
Client ID:
Sample Info: 1660 @ 2000ppb | PCB5-55J

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1232

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F008.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F008.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R008.D
Inj Date : 27-OCT-2010 02:18
Sample Info: 1660 @ 5000ppb | PCB5-55K
Misc Info :
Cal Date : 27-OCT-2010 12:35
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.767	4.340	2202433	2306562	383	407		100.00
Aroclor 1016	5.400	5.397	272633	624631	4130	3700	80.00- 120.00	100.00
	5.450	6.587	455815	714028	3940	4350	133.75- 200.63	167.19
	5.963	6.763	891648	515674	3730	3940	261.64- 392.46	327.05
	6.197	6.860	470882	588942	4030	3880	138.17- 207.26	172.72
	6.737	7.133	631565	552311	3790	3980	185.32- 277.98	231.65
			Average of Peak Amounts =		3920	3970		
Aroclor 1260	9.207	9.400	1380727	1063721	3530	3980	80.00- 120.00	100.00
	9.957	9.920	1569863	1171050	3830	3870	90.96- 136.44	113.70
	10.030	10.503	919978	1590563	3940	4320	53.30- 79.96	66.63
	10.640	11.147	981329	1098311	4290	4530	56.86- 85.29	71.07
	11.083	11.840	2063854	1864036	4320	4150	119.58- 179.37	149.48
			Average of Peak Amounts =		3980	4170		
Decachlorobiphenyl	15.400	16.623	1968596	2104124	378	379		100.00

10/27/10
ACU12/10

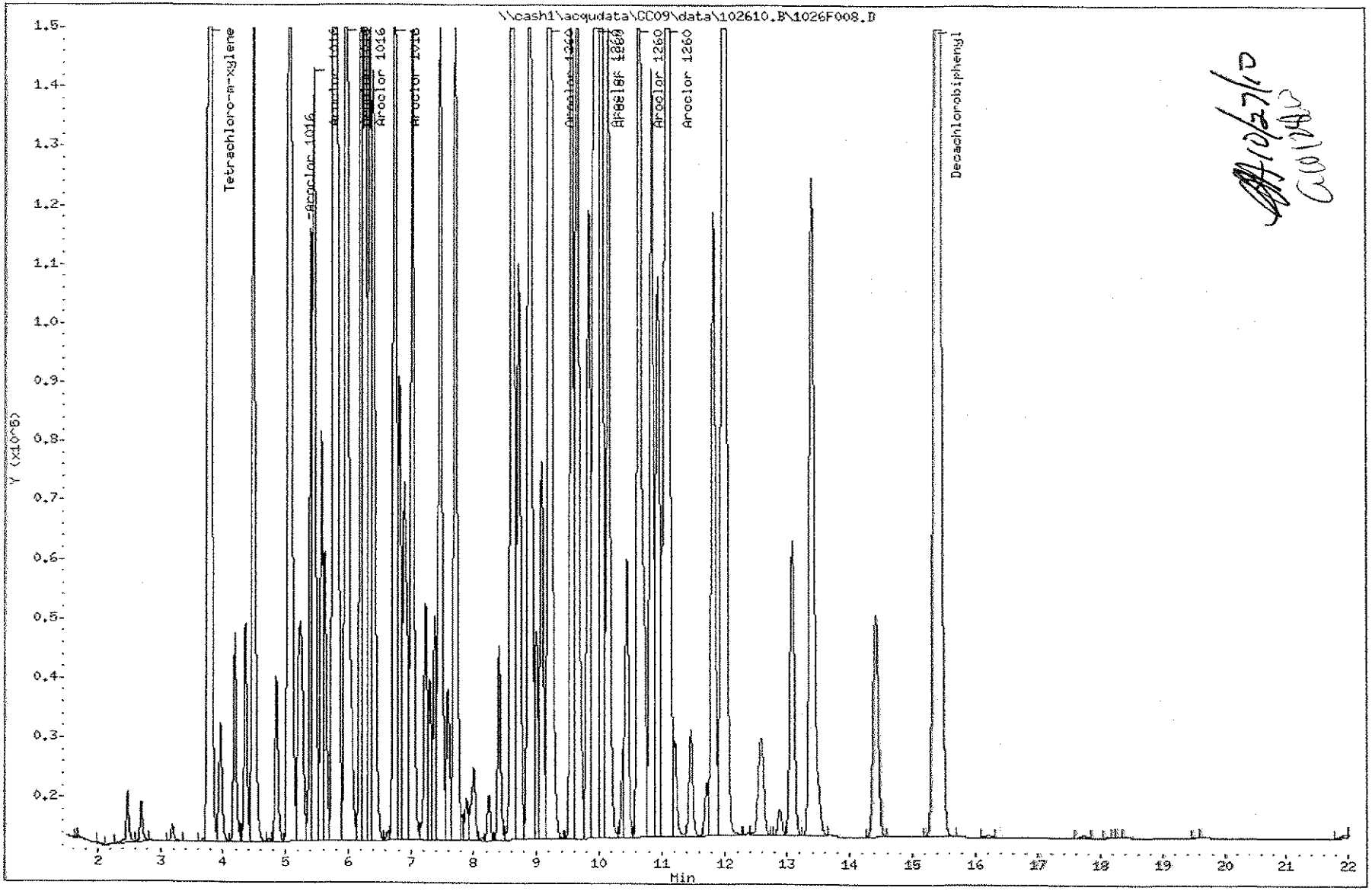
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F008.D
Date : 27-OCT-2010 02:18
Client ID:
Sample Info: 1660 @ 5000ppb | PCB5-55K

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



1234

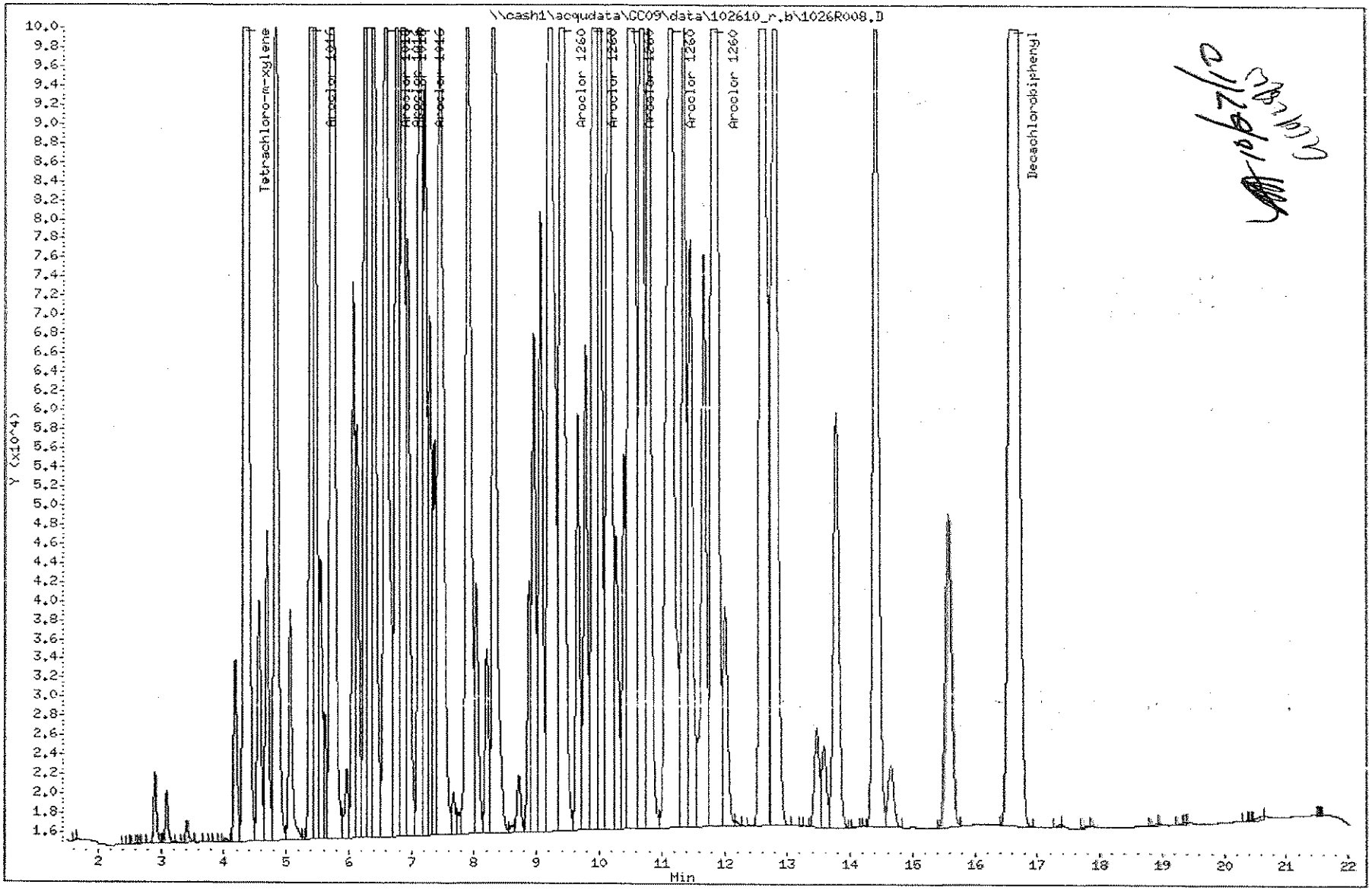
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R008.D
Date : 27-OCT-2010 02:18
Client ID:
Sample Info: 1660 @ 5000ppb | PCB5-55K

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1235

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F009.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F009.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R009.D
Inj Date : 27-OCT-2010 02:44
Sample Info: 1221/1254 @ 50/25ppb | PCB5-63G
Misc Info :
Cal Date : 27-OCT-2010 12:28
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1221+1254.sub
Sub List #2 : 1221+1254.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.187	3.410	4539	4395	75.4	70.4	80.00- 120.00	100.00
	4.187	4.180	5752	1733	69.6	48.1	100.52- 150.78	126.74
	4.357	4.690	3799	3548	70.3	63.0	64.35- 96.52	83.71
	4.480	4.830	13071	13197	75.5	70.3	239.06- 358.59	305.58
		Average of Peak Amounts =			72.7	63.0		
Aroclor 1254	7.707	8.323	10951	12492	31.7	32.5	80.00- 120.00	100.00(M)
	8.403	8.883	7207	5090	30.1	27.0	53.50- 80.26	65.81(M)
	8.600	9.067	14914	10131	30.7	27.8	111.76- 167.65	136.19(M)
	9.000	9.660	13466	8788	31.8	29.7	97.53- 146.29	122.97(M)
	9.210	10.503	6307	7131	29.4	22.2	49.15- 73.73	57.60(M)
		Average of Peak Amounts =			30.7	27.8		

QC Flag Legend

M - Compound response manually integrated.

10/27/10

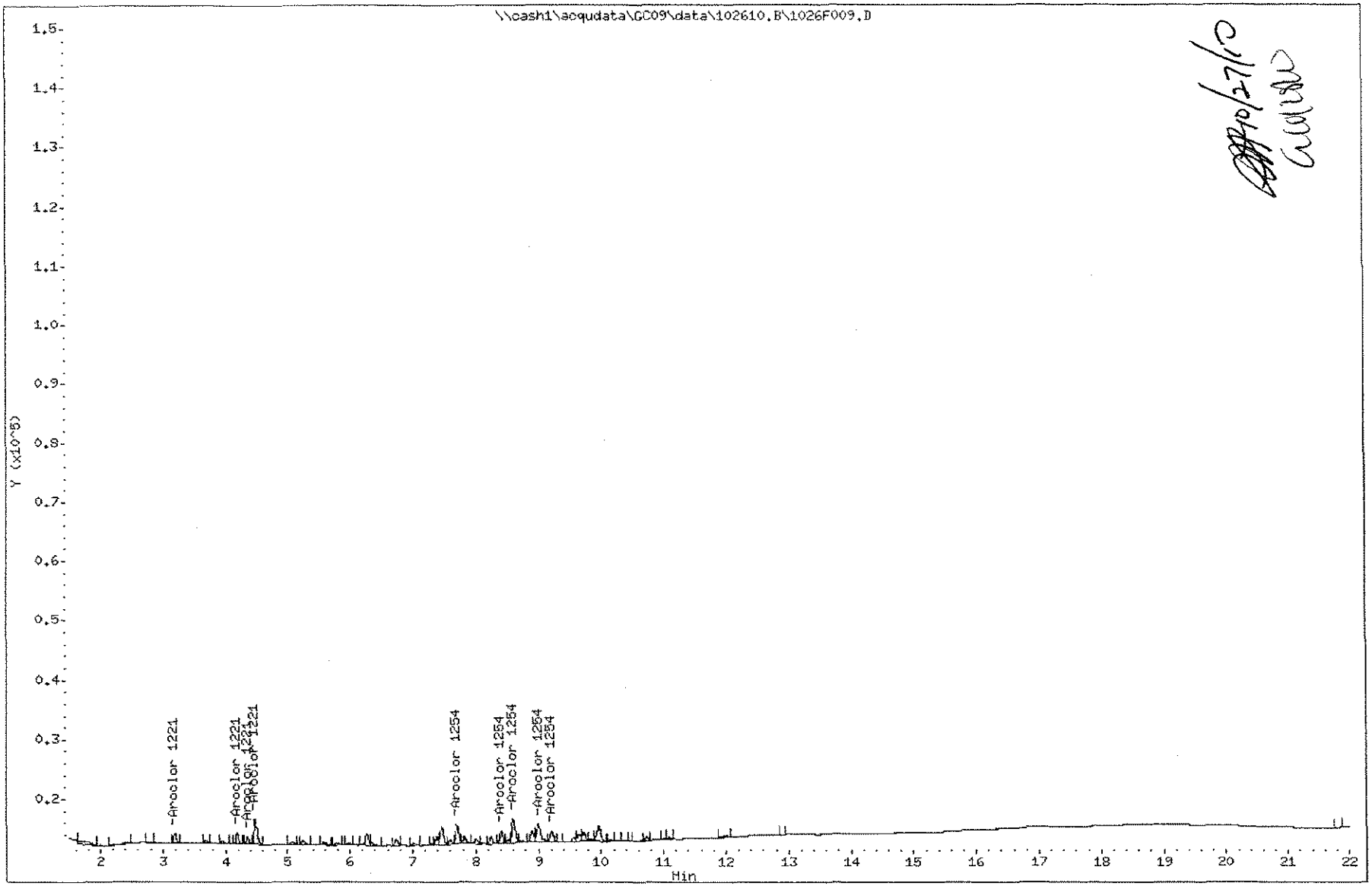
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F009.D
Date : 27-OCT-2010 02:44
Client ID:
Sample Info: 1221/1254 @ 50/25ppb | PCB5-63G

Instrument: GC09.i

Operator: LHarris

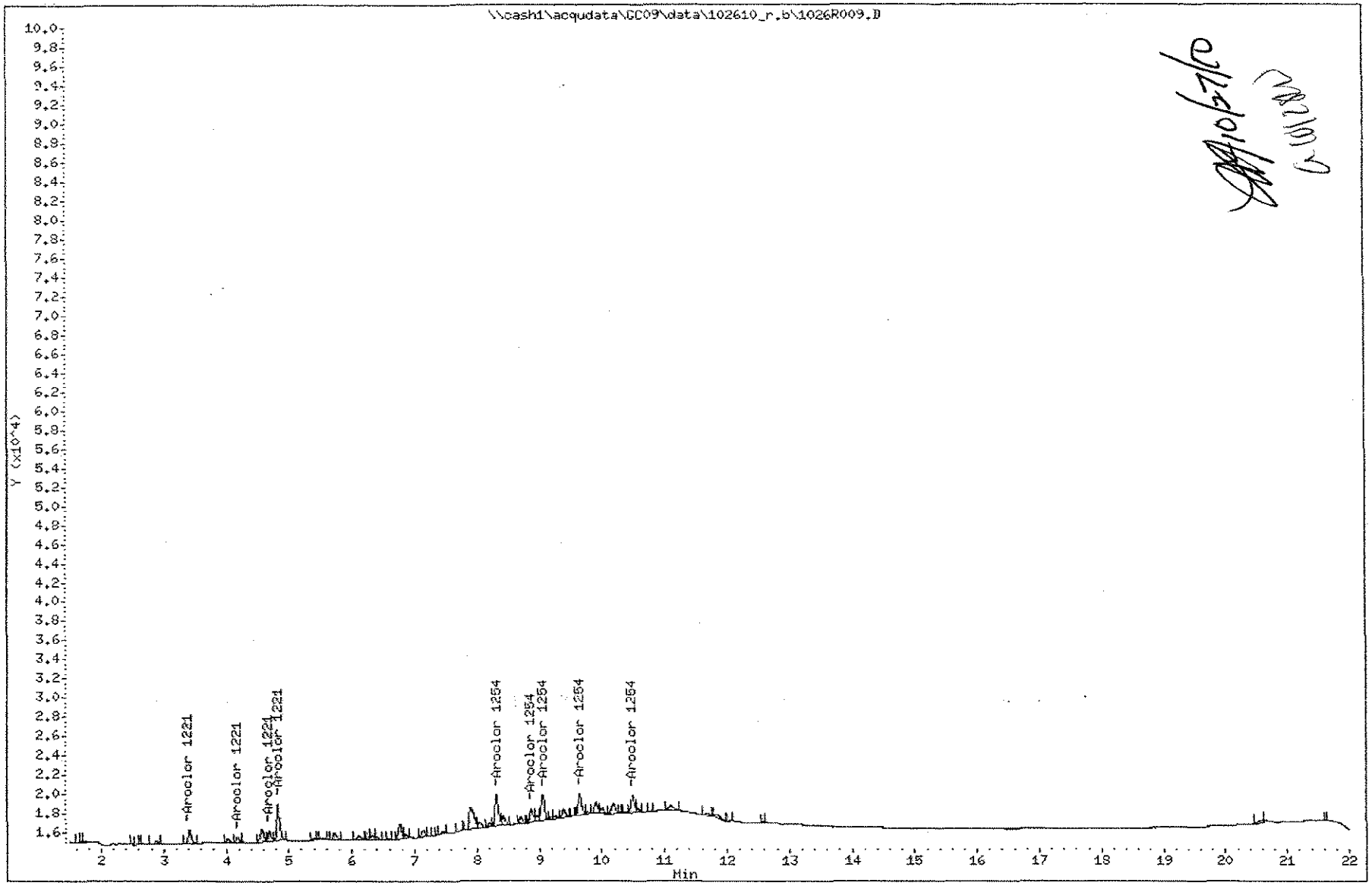
Column phase: DB-35MS

Column diameter: 0.53



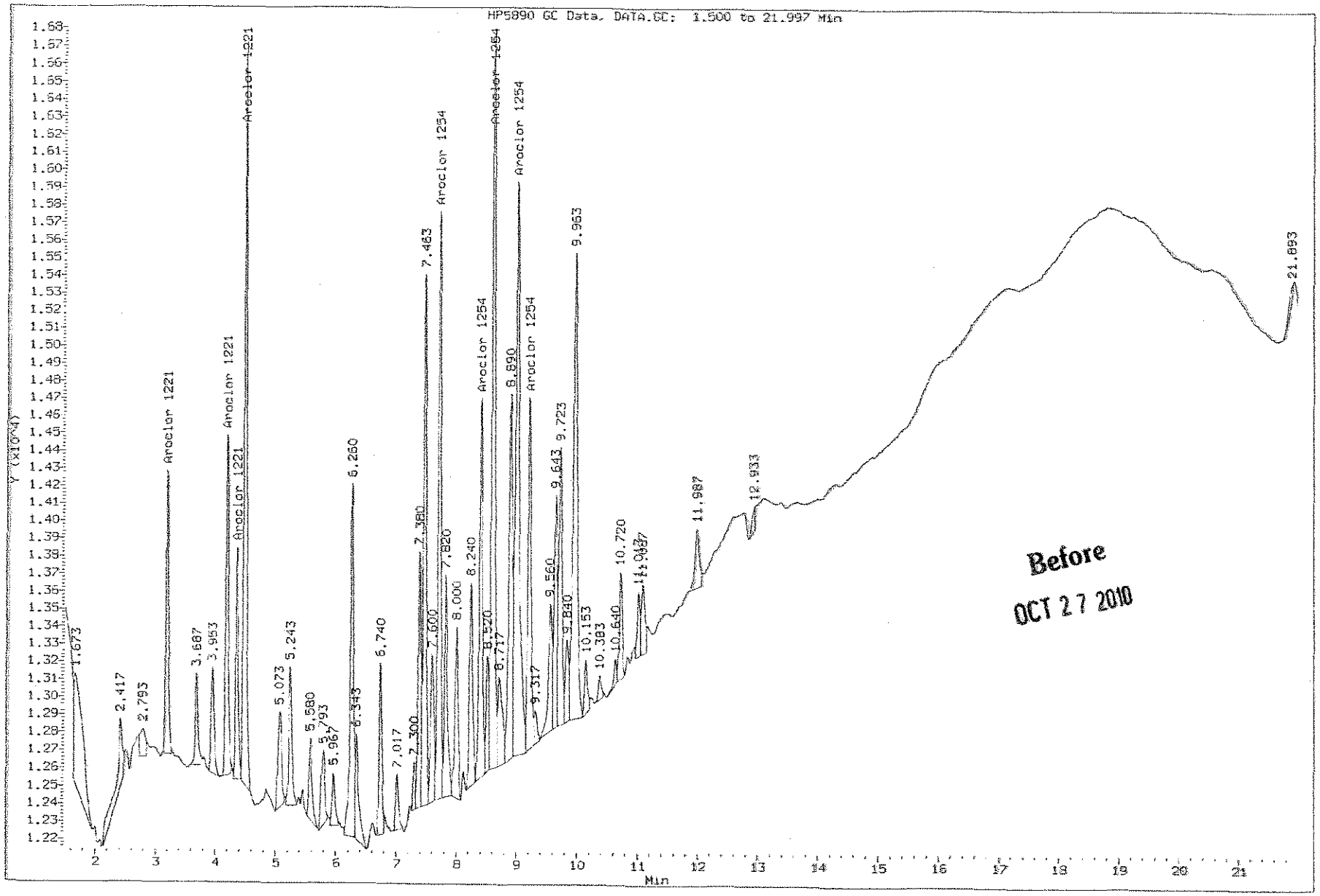
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R009.D
Date : 27-OCT-2010 02:44
Client ID:
Sample Info: 1221/1254 @ 50/25ppb | PCB5-63G

Instrument: GC09.i
Operator: LHarris
Column phase: DB-XLB
Column diameter: 0.53



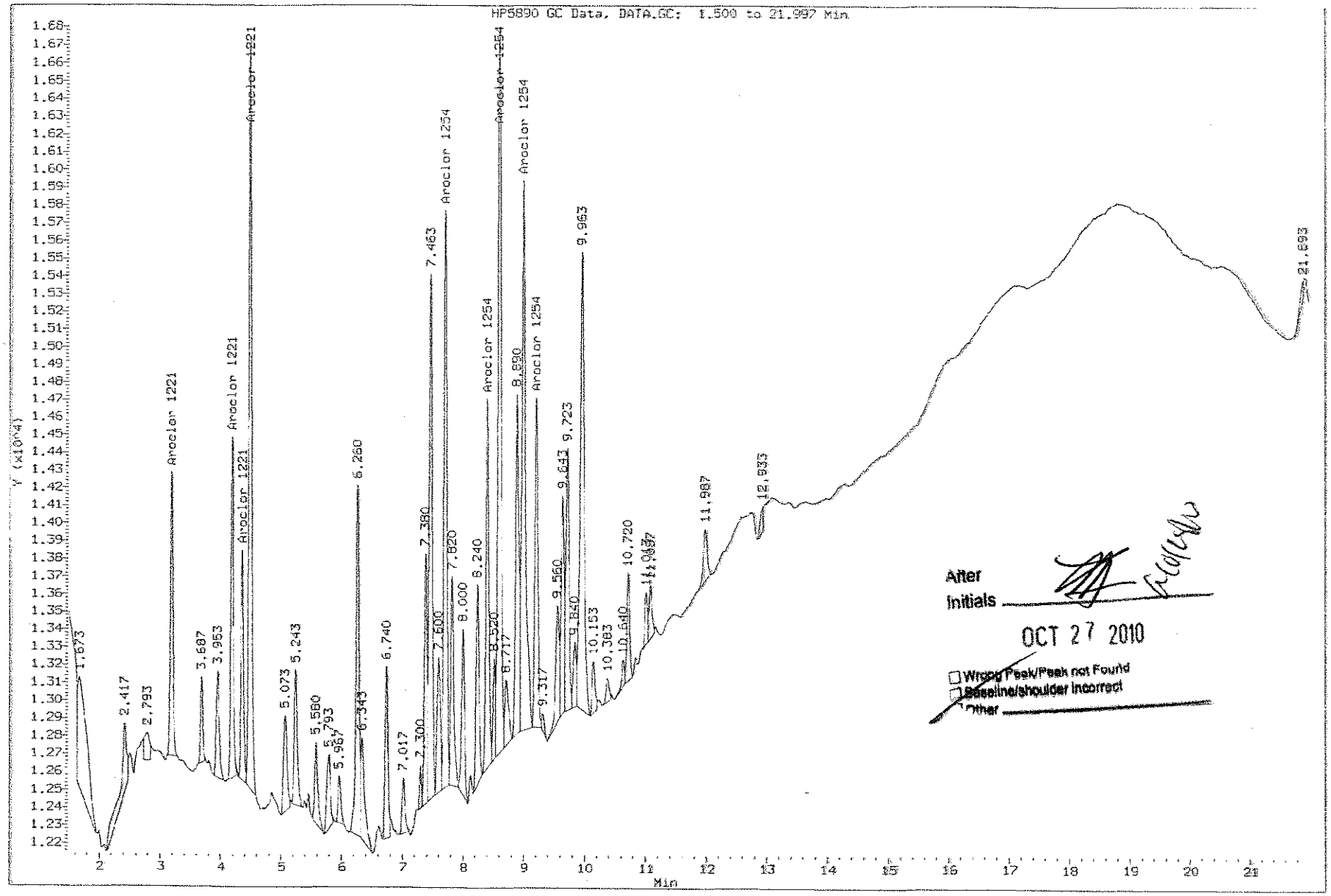
1238

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F009.D
Injection Date: 27-OCT-2010 02:44
Instrument: GC09.i
Client Sample ID:



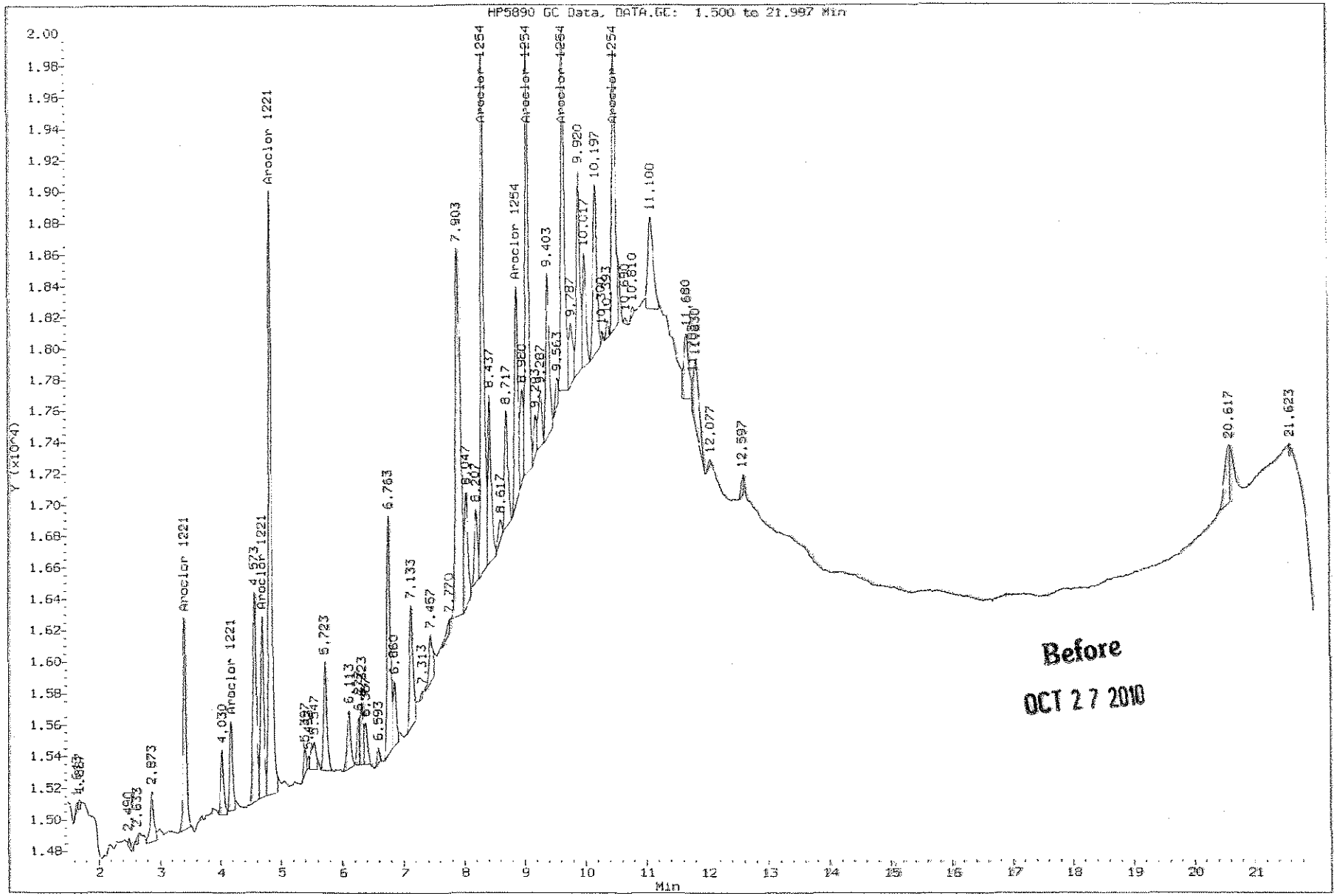
Before
OCT 27 2010

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F009.D
Injection Date: 27-OCT-2010 02:44
Instrument: GC09.i
Client Sample ID:

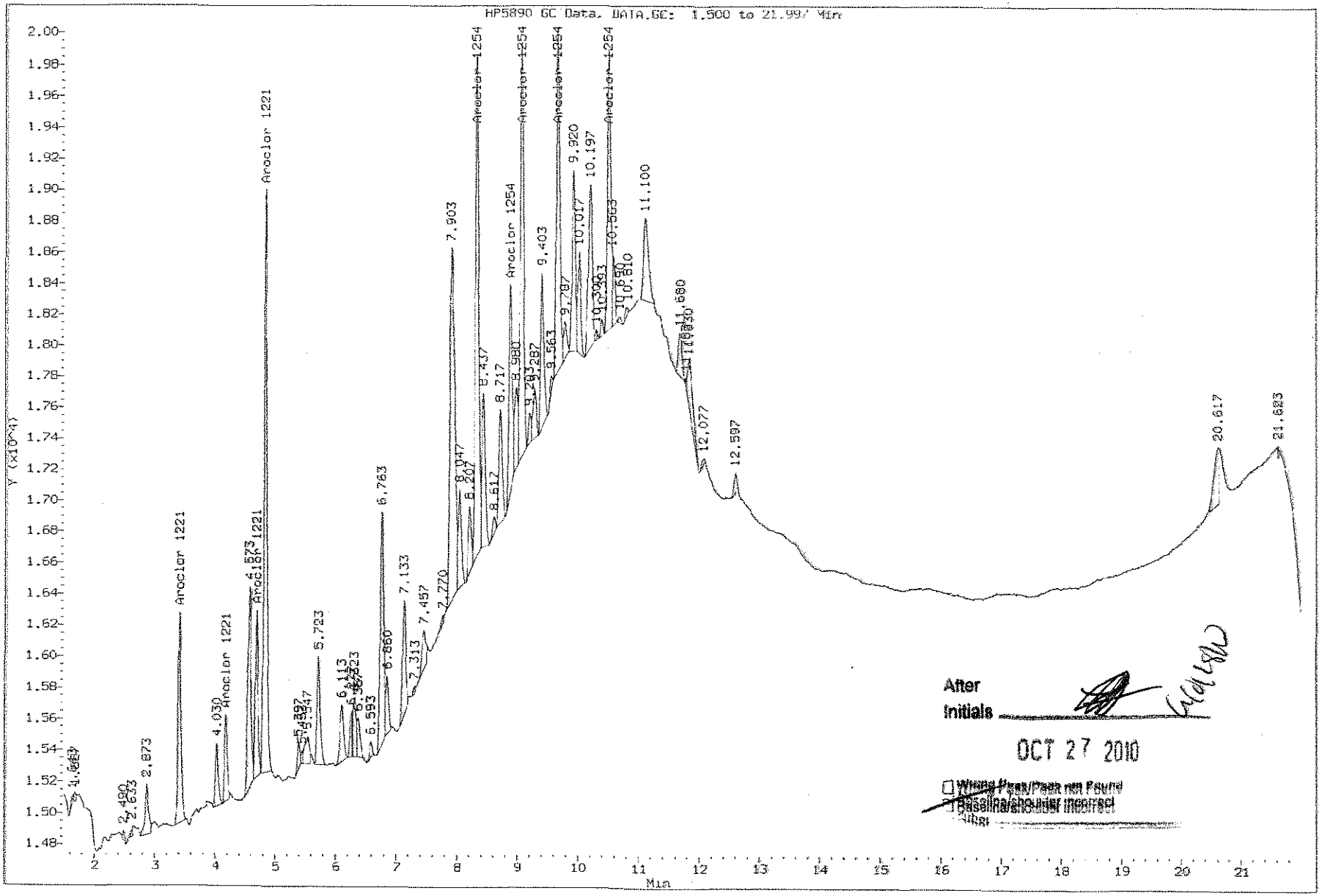


1240

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R009.D
Injection Date: 27-OCT-2010 02:44
Instrument: GC09.i
Client Sample ID:



Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R009.D
Injection Date: 27-OCT-2010 02:44
Instrument: GC09.i
Client Sample ID:



1242

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F010.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F010.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R010.D
Inj Date : 27-OCT-2010 03:11
Sample Info: 1221/1254 @ 100/50ppb | PCB5-63H
Misc Info :
Cal Date : 27-OCT-2010 12:32
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1221+1254.sub
Sub List #2 : 1221+1254.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.187	3.410	8539	7907	142	127	80.00- 120.00	100.00
	4.183	4.177	10717	2952	130	82.0	100.52- 150.78	125.65
	4.357	4.690	6860	6973	127	124	64.35- 96.52	80.43
	4.400	4.830	25487	24792	139	132	239.06- 358.59	298.83
		Average of Peak Amounts =			134	116		
Aroclor 1254	7.707	8.323	19662	23884	56.9	62.2	80.00- 120.00	100.00(M)
	8.403	8.883	13150	9952	55.0	53.3	53.50- 80.26	66.88(M)
	8.600	9.067	27469	20033	56.5	55.8	111.76- 167.65	139.71(M)
	9.000	9.660	23969	16791	56.6	57.8	97.53- 146.29	121.91(M)
	9.210	10.500	12081	16193	56.3	51.3	49.15- 73.73	61.44(M)
		Average of Peak Amounts =			56.3	56.1		

QC Flag Legend

M - Compound response manually integrated.

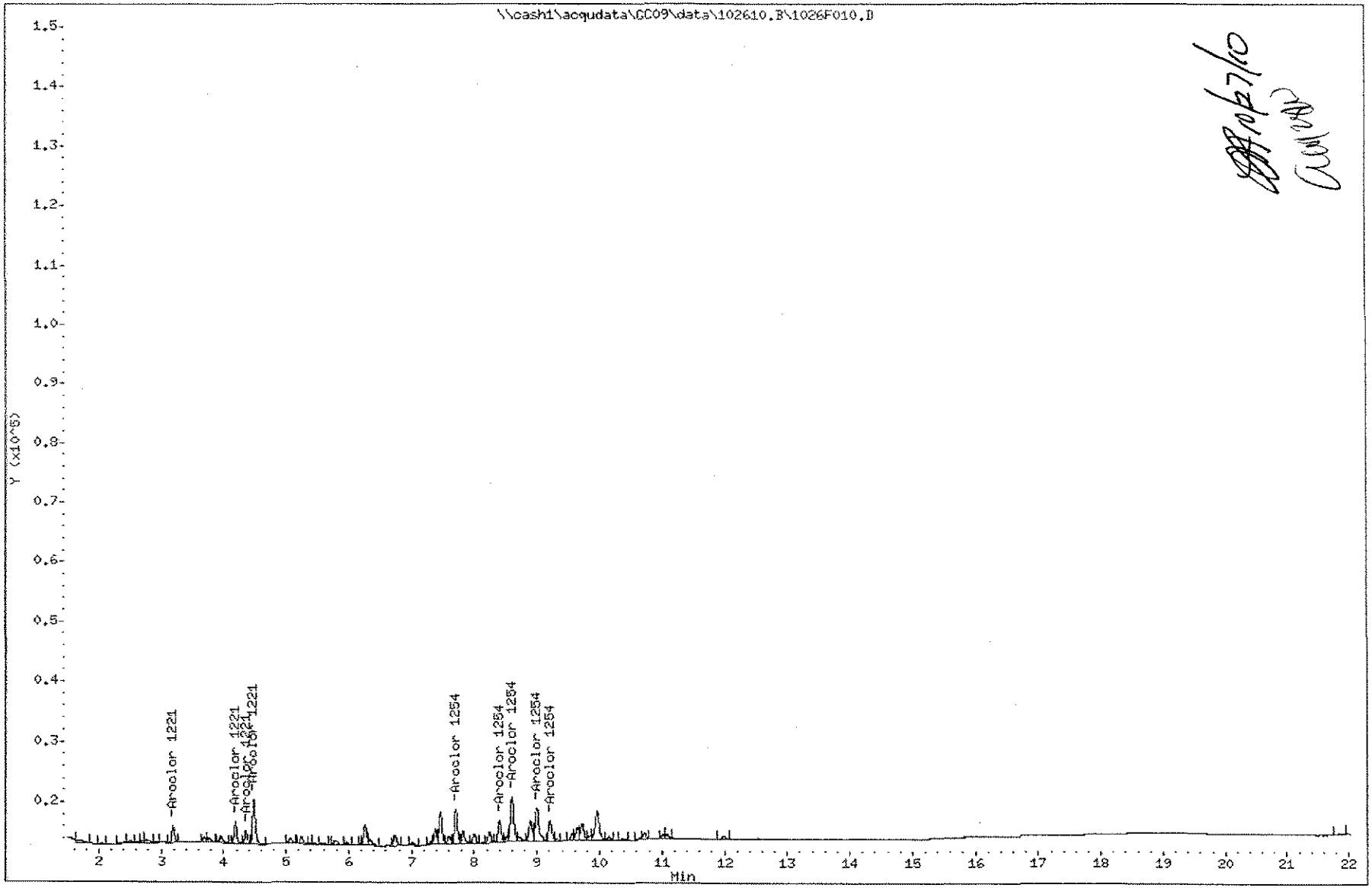
10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F010.D
Date : 27-OCT-2010 03:11
Client ID:
Sample Info: 1221/1254 @ 100/50ppb | PCB5-63H

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



10/27/10

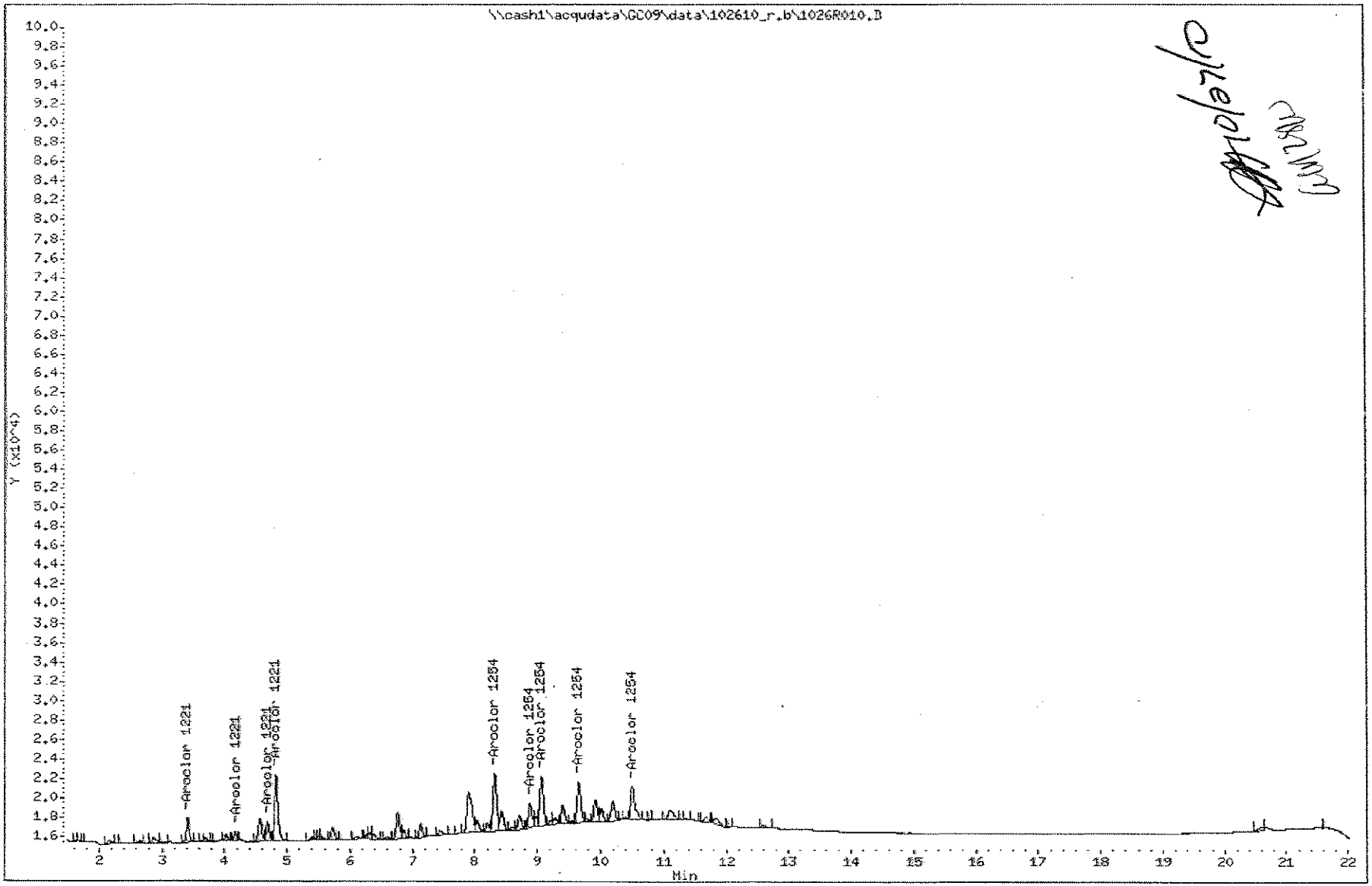
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R010.D
Date : 27-OCT-2010 03:11
Client ID:
Sample Info: 1221/1254 @ 100/50ppb ! PCB5-53H

Column phase: DB-XLB

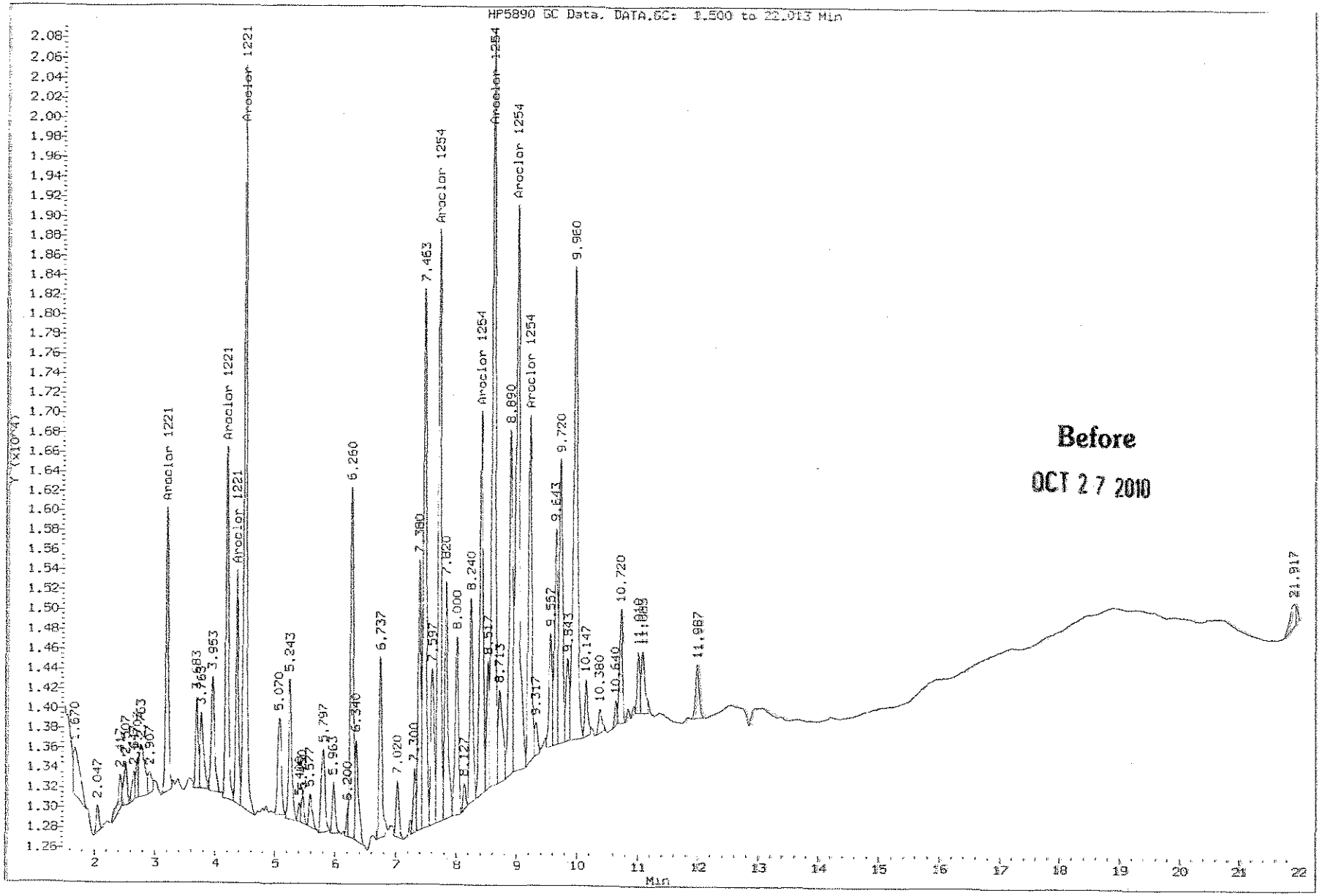
Instrument: GC09.i

Operator: LHarris

Column diameter: 0.53

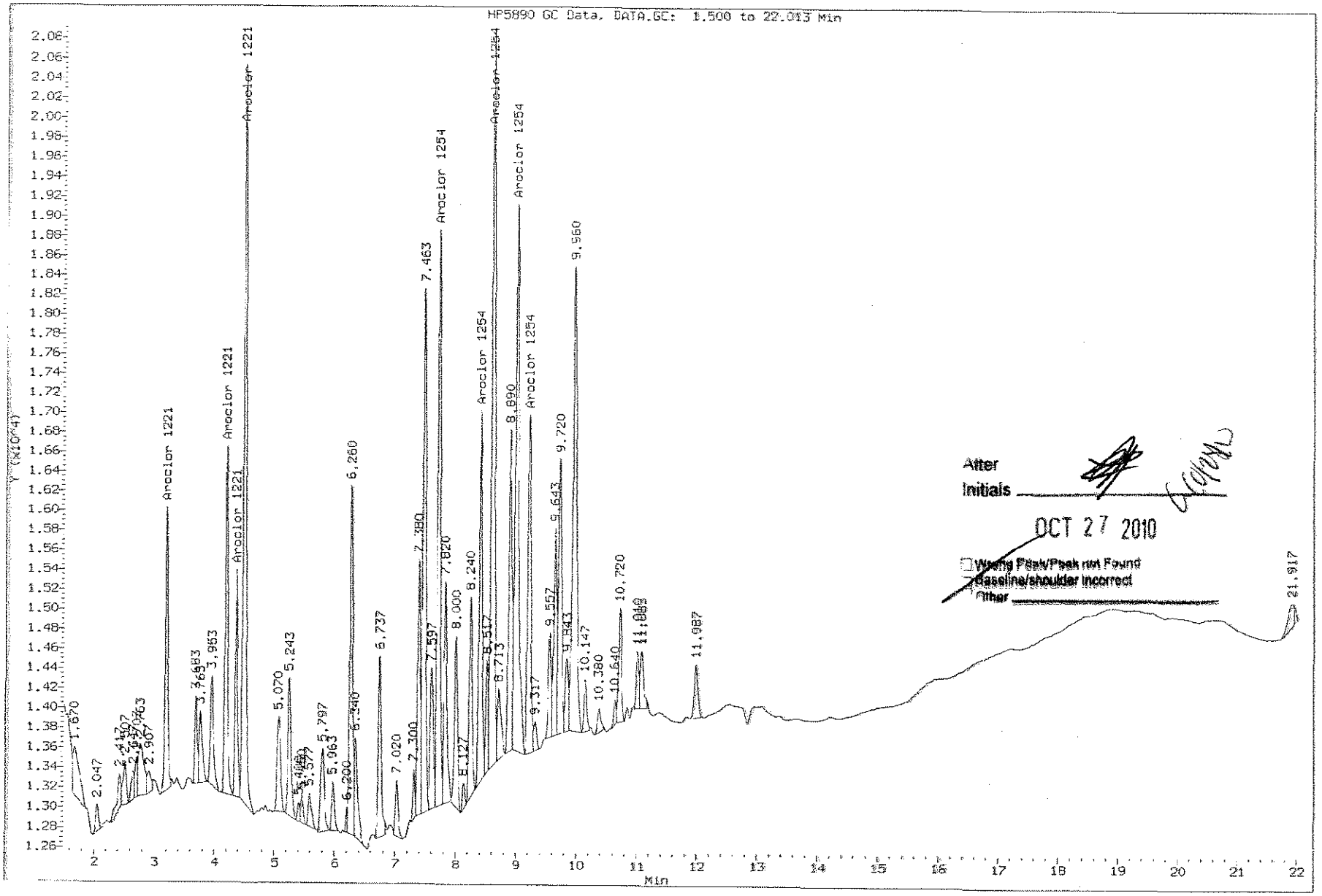


Data File: \\cash1\acqudata\GC09\data\102610.B\1026F010.D
Injection Date: 27-OCT-2010 03:11
Instrument: GC09.i
Client Sample ID:

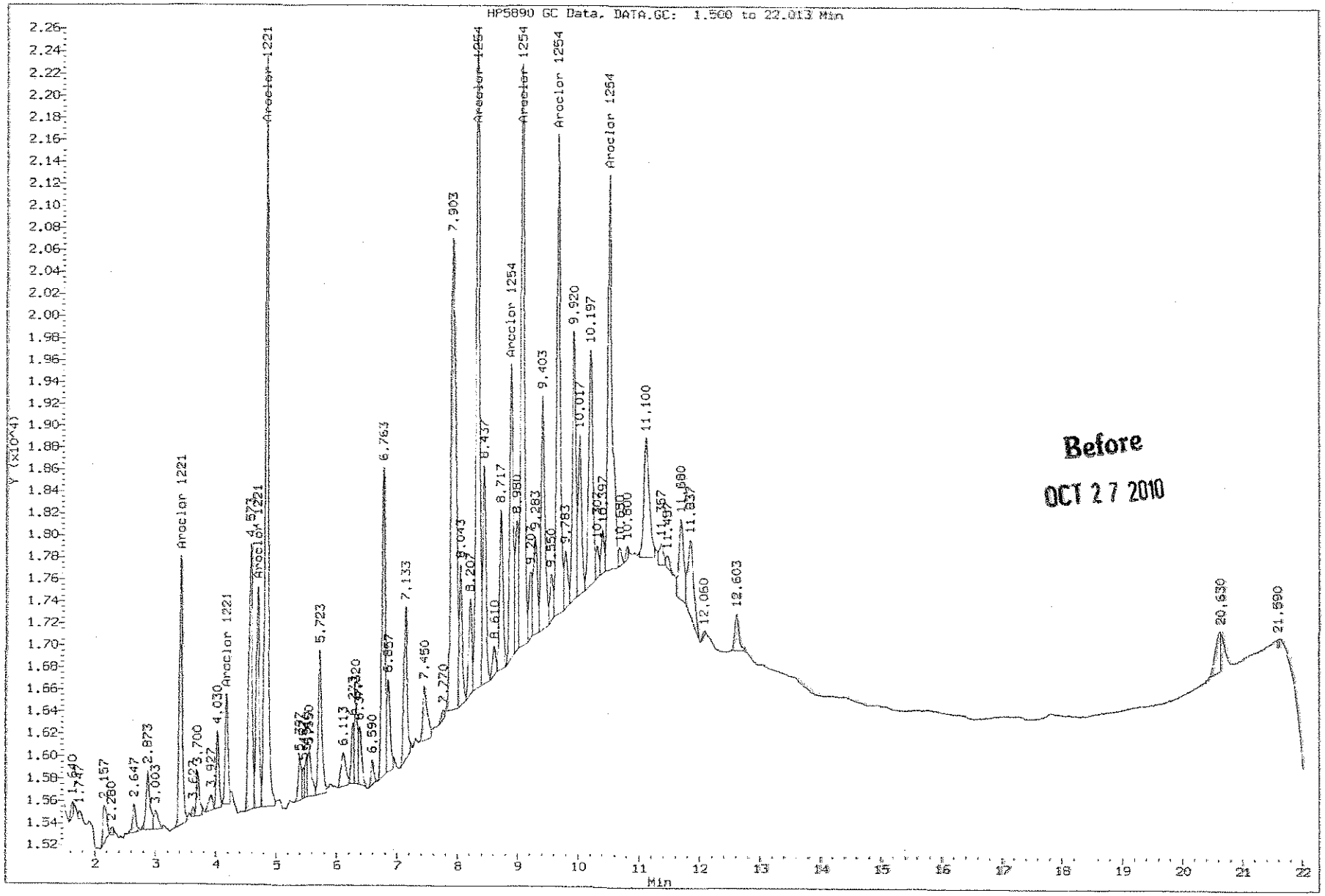


1246

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F010.D
Injection Date: 27-OCT-2010 03:11
Instrument: GC09.i
Client Sample ID:

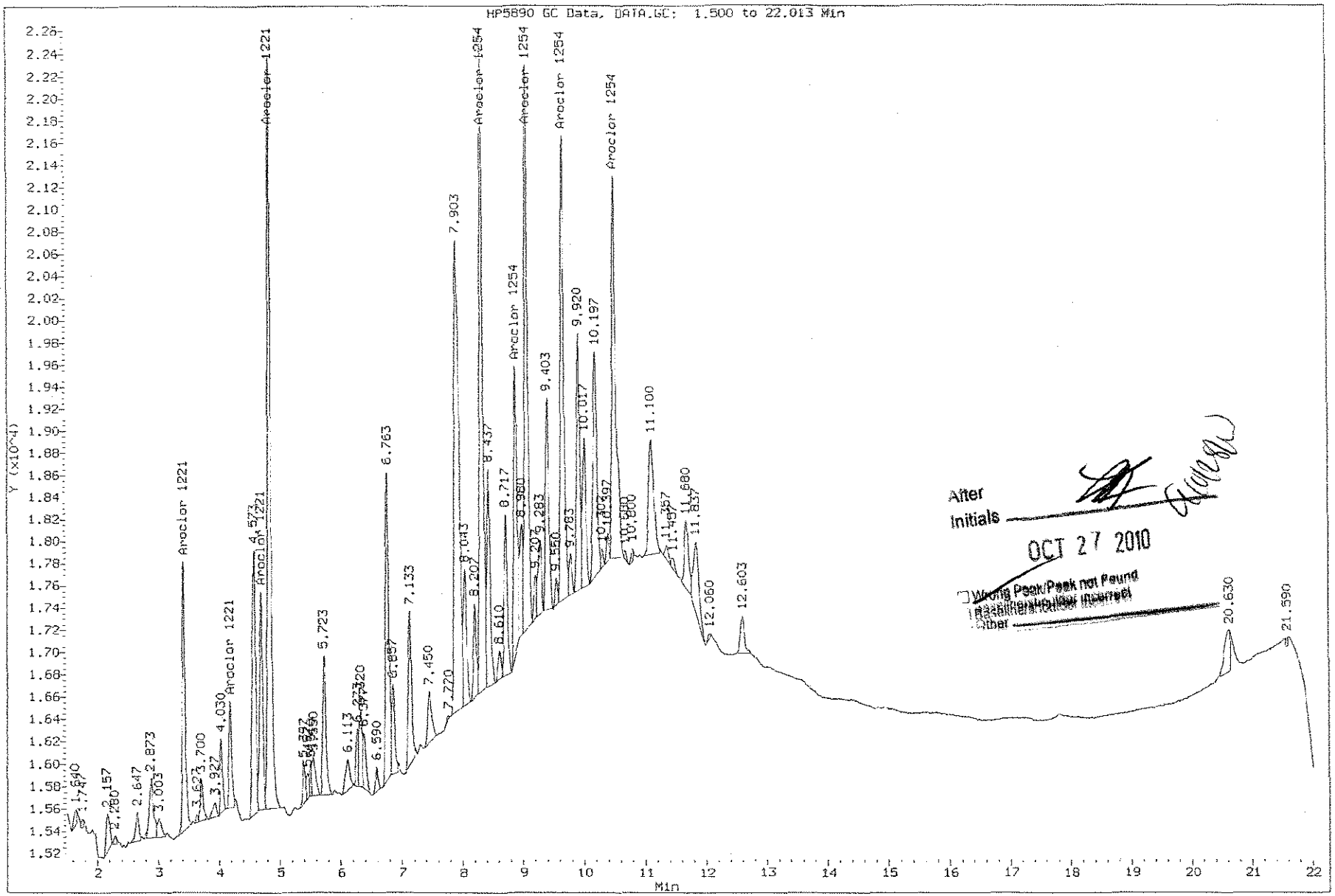


Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R010.D
Injection Date: 27-OCT-2010 03:11
Instrument: GC09.i
Client Sample ID:



Before
OCT 27 2010

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R010.D
Injection Date: 27-OCT-2010 03:11
Instrument: GC09.i
Client Sample ID:



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F011.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F011.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R011.D
Inj Date : 27-OCT-2010 03:37
Sample Info: 1221/1254 @ 1000/500ppb | PCB5-63I
Misc Info :
Cal Date : 27-OCT-2010 12:32
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1221+1254.sub
Sub List #2 : 1221+1254.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.183	3.410	60188	62447	1000	1000	80.00- 120.00	100.00
	4.183	4.177	82593	36006	1000	1000	100.52- 150.78	137.22
	4.357	4.690	54009	56319	1000	1000	64.35- 96.52	89.73
	4.480	4.830	183777	187689	1000	1000	239.06- 358.59	305.34
		Average of Peak Amounts =			1000	1000		
Aroclor 1254	7.703	8.323	162428	191011	470	491	80.00- 120.00	100.00(M)
	8.403	8.883	111848	97432	468	511	53.50- 80.26	68.86(M)
	8.600	9.067	230000	188488	473	510	111.76- 167.65	141.60(M)
	8.997	9.657	197899	149878	466	495	97.53- 146.29	121.84(M)
	9.210	10.500	103309	174487	481	541	49.15- 73.73	63.60(M)
		Average of Peak Amounts =			472	510		

QC Flag Legend

M - Compound response manually integrated.

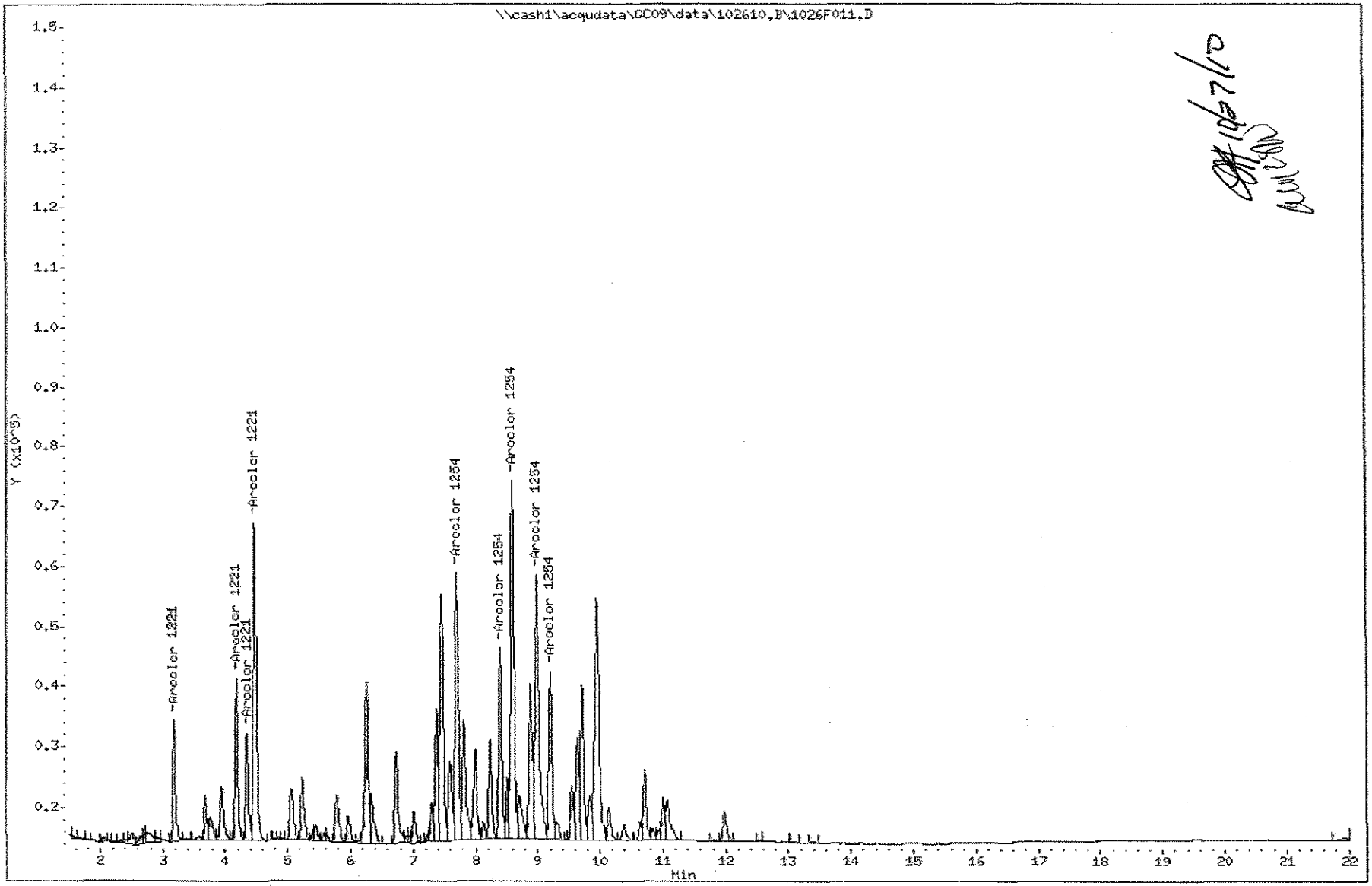
10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F011.D
Date : 27-OCT-2010 03:37
Client ID:
Sample Info: 1221/1254 @ 1000/500ppb I PCB5-63I

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



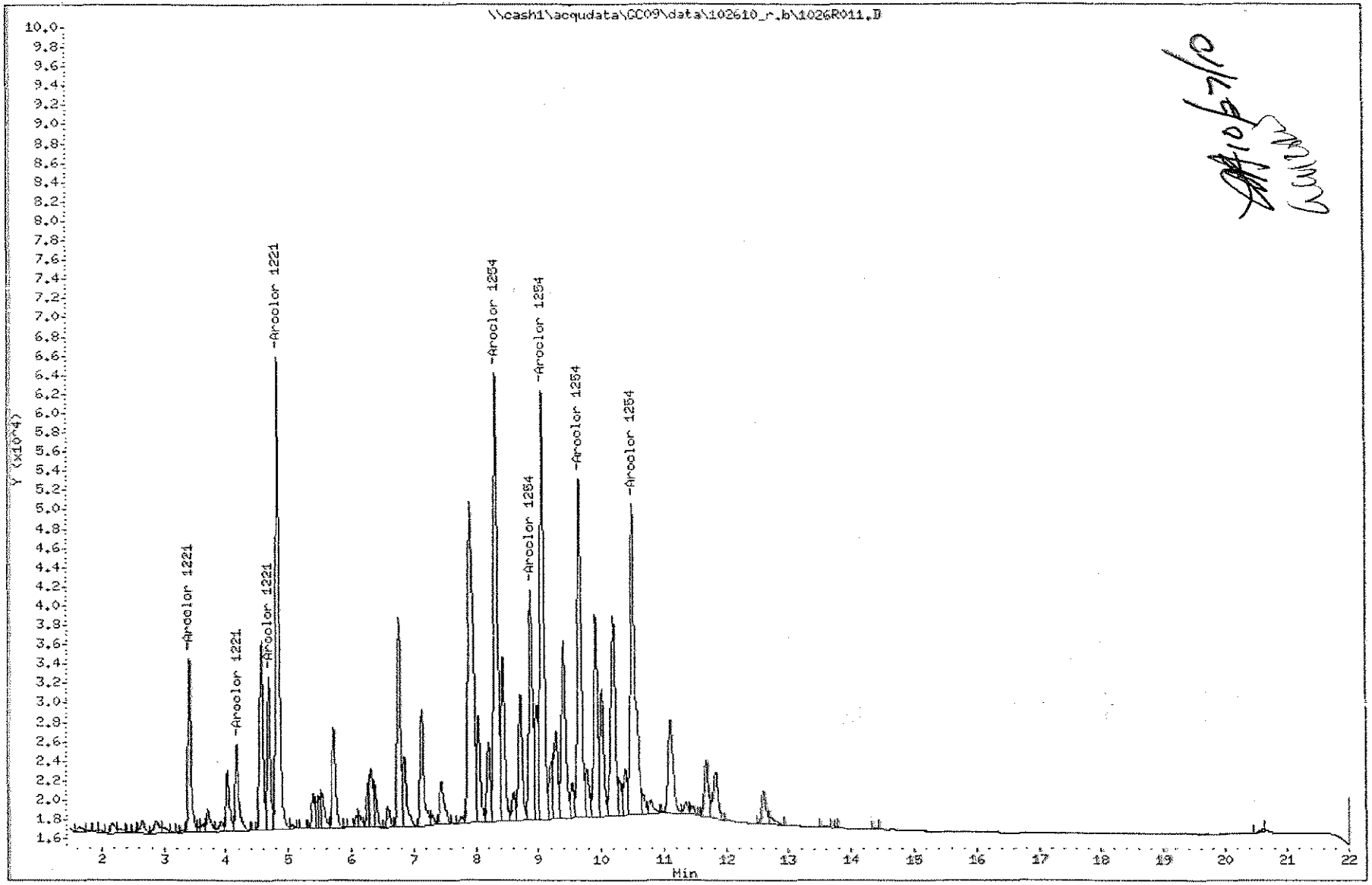
1251

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R011.D
Date : 27-OCT-2010 03:37
Client ID:
Sample Info: 1221/1254 @ 1000/500ppb | PCB5-63I

Column phase: DB-XLB

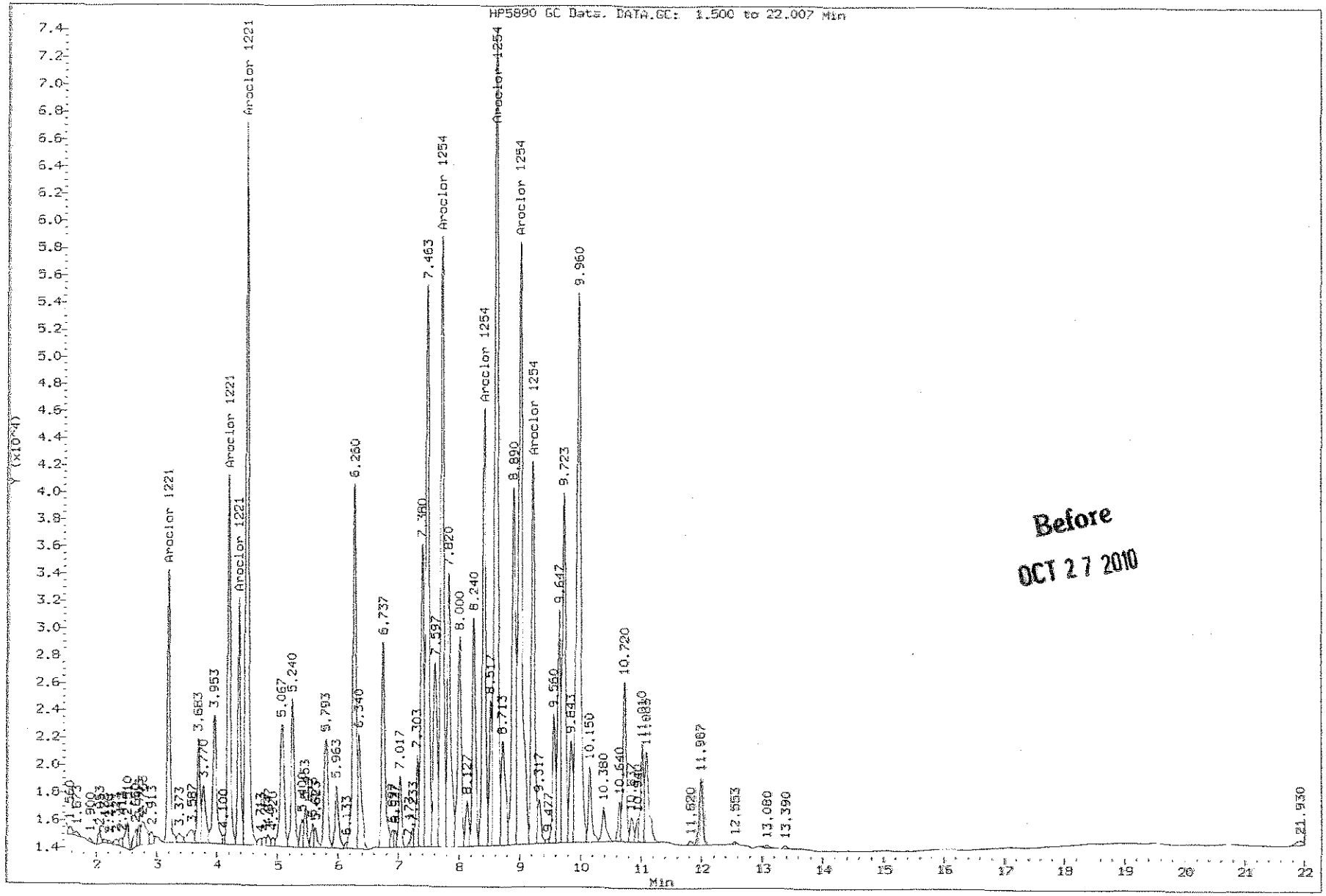
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



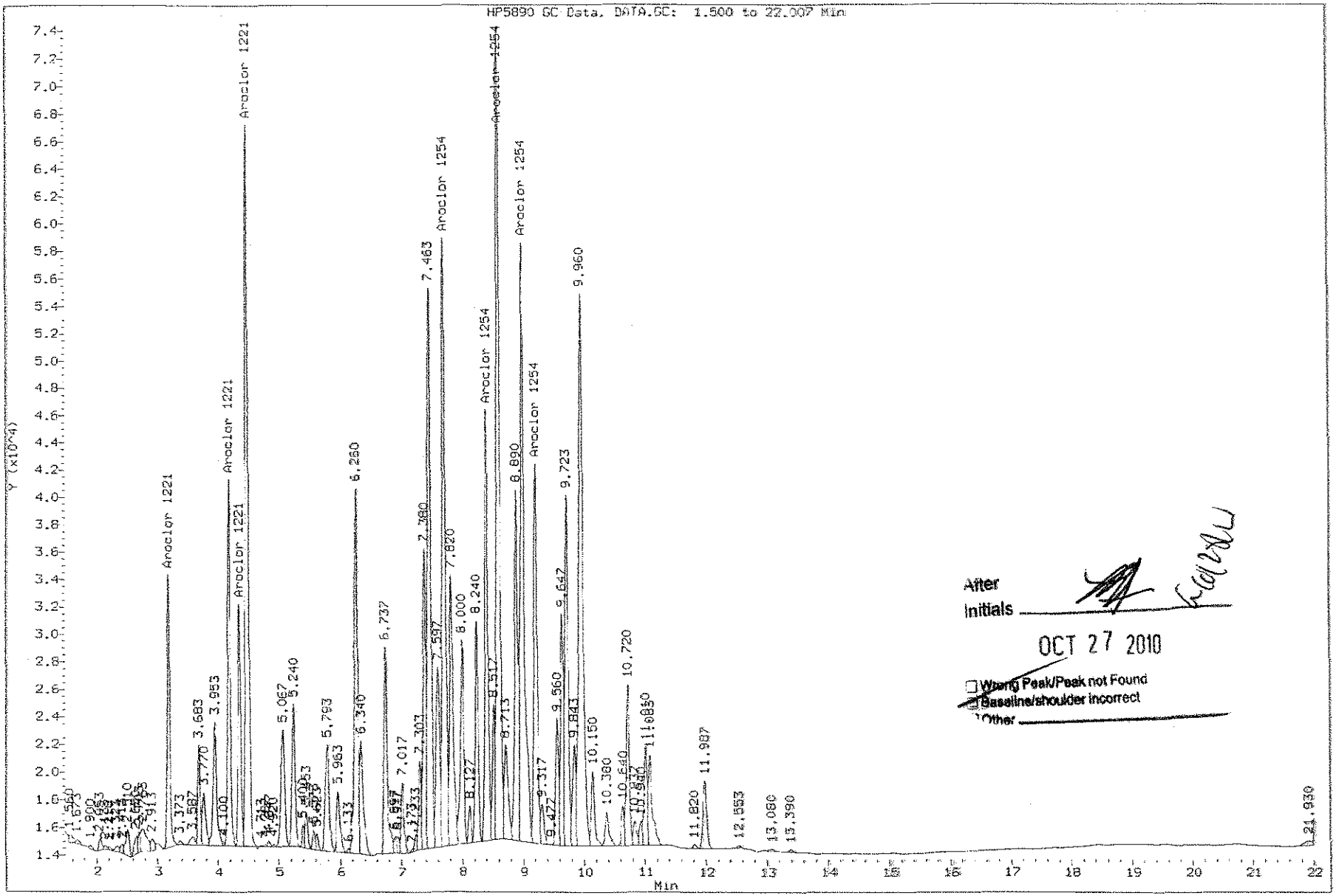
1252

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F011.D
Injection Date: 27-OCT-2010 03:37
Instrument: GC09.i
Client Sample ID:



1253

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F011.D
Injection Date: 27-OCT-2010 03:37
Instrument: GC09.i
Client Sample ID:



1254

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F012.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F012.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R012.D
Inj Date : 27-OCT-2010 04:04
Sample Info: 1221/1254 @ 2000/1000ppb | PCB5-63J
Misc Info :
Cal Date : 27-OCT-2010 12:32
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1221+1254.sub
Sub List #2 : 1221+1254.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.183	3.410	111060	112961	1840	1810	80.00- 120.00	100.00
	4.187	4.180	156961	64259	1900	1780	100.52- 150.78	141.33
	4.357	4.690	104200	108470	1930	1920	64.35- 96.52	93.82
	4.480	4.830	337927	347339	1840	1850	239.06- 358.59	304.27
		Average of Peak Amounts =			1880	1840		
Aroclor 1254	7.703	8.323	299106	348284	866	896	80.00- 120.00	100.00
	8.403	8.883	218040	186497	914	978	53.50- 80.26	72.90
	8.600	9.067	429213	349613	885	947	111.76- 167.65	143.50
	8.997	9.660	368748	274894	936	908	97.53- 146.29	123.28
	9.210	10.500	194935	330877	904	1030	49.15- 73.73	65.17
		Average of Peak Amounts =			901	952		

10/27/10

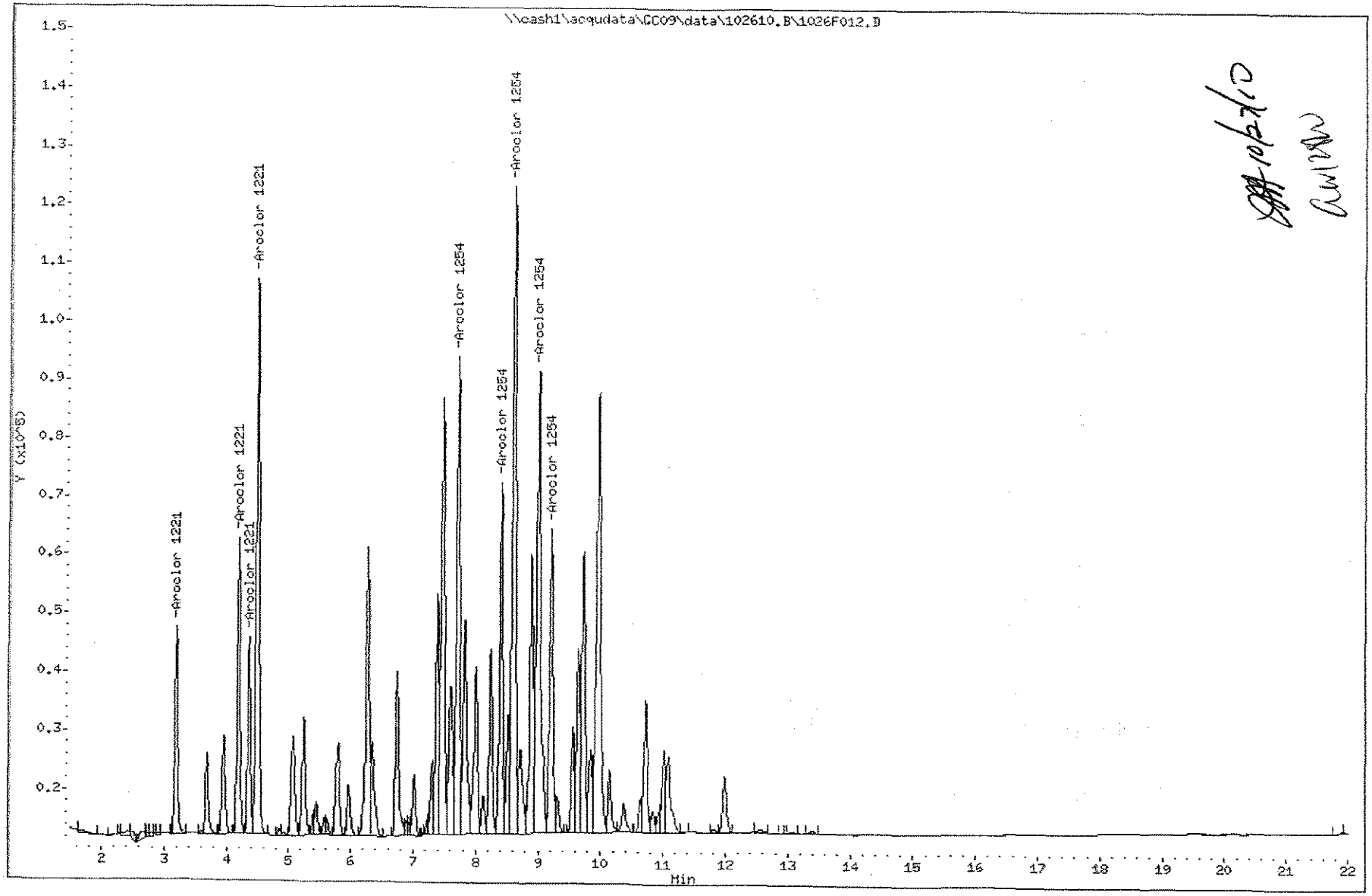
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F012.D
Date : 27-OCT-2010 04:04
Client ID:
Sample Info: 1221/1254 @ 2000/1000ppb | PCB5-63J

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



1256

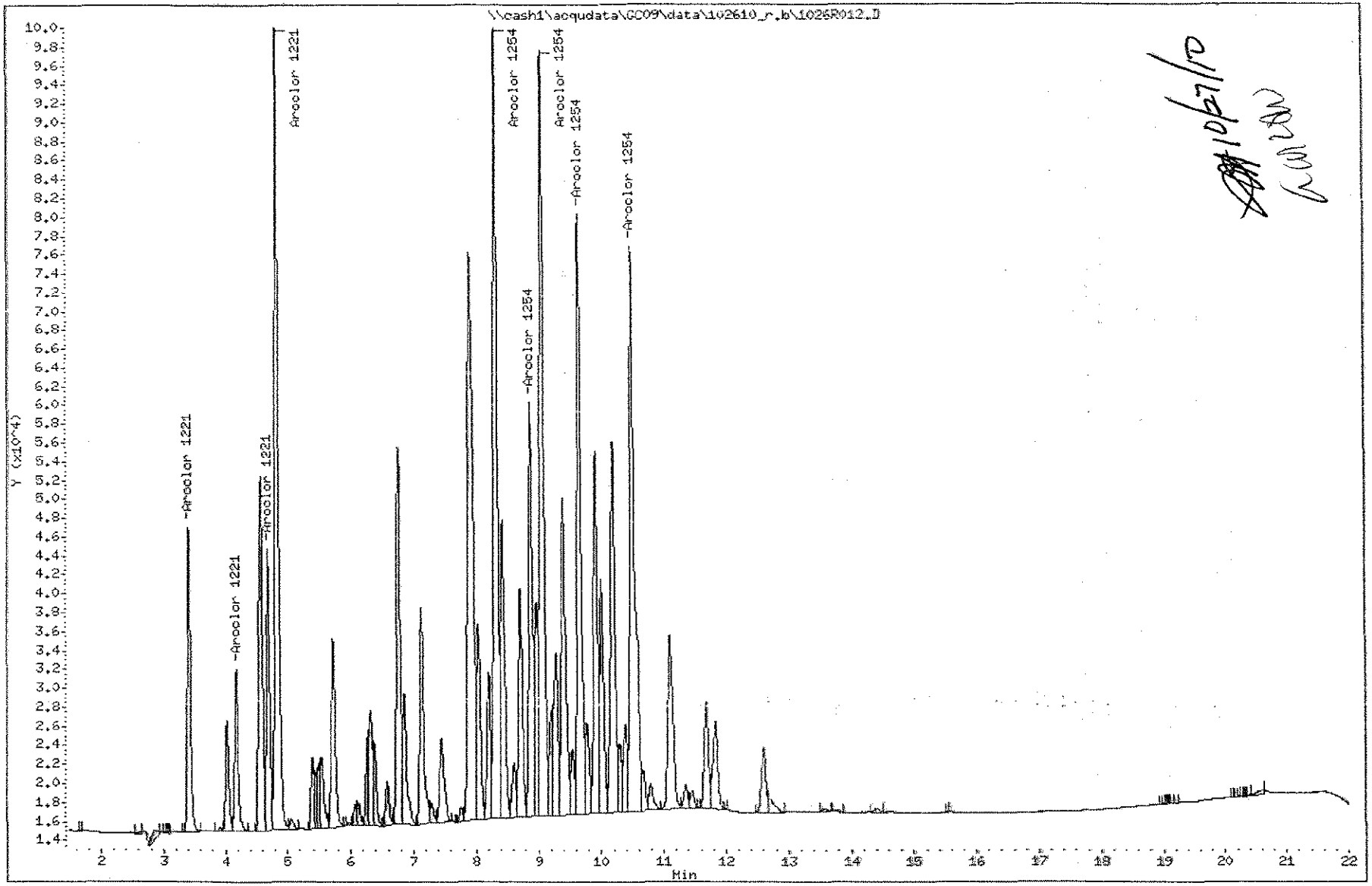
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R012.D
Date : 27-OCT-2010 04:04
Client ID:
Sample Info: 1221/1254 @ 2000/1000ppb | PCB5-63J

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F013.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F013.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R013.D
Inj Date : 27-OCT-2010 04:30
Sample Info: 1221/1254 @ 4000/2000ppb | PCB5-63K
Misc Info :
Cal Date : 27-OCT-2010 12:32
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1221+1254.sub
Sub List #2 : 1221+1254.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.187	3.410	190245	198042	3160	3170	80.00- 120.00	100.00
	4.187	4.180	280923	113750	3400	3160	100.52- 150.78	147.66
	4.357	4.690	184274	194053	3410	3440	64.35- 96.52	96.86
	4.480	4.830	593415	611953	3230	3260	239.06- 358.59	311.92
		Average of Peak Amounts =			3300	3260		
Aroclor 1254	7.703	8.323	543045	635830	1570	1640	80.00- 120.00	100.00
	8.403	8.883	404927	355404	1700	1860	53.50- 80.25	74.57
	8.600	9.067	788175	657697	1620	1780	111.76- 167.65	145.14
	8.997	9.660	671738	613084	1580	1690	97.53- 146.29	123.70
	9.210	10.503	353426	637392	1640	1980	49.15- 73.73	65.08
		Average of Peak Amounts =			1620	1790		

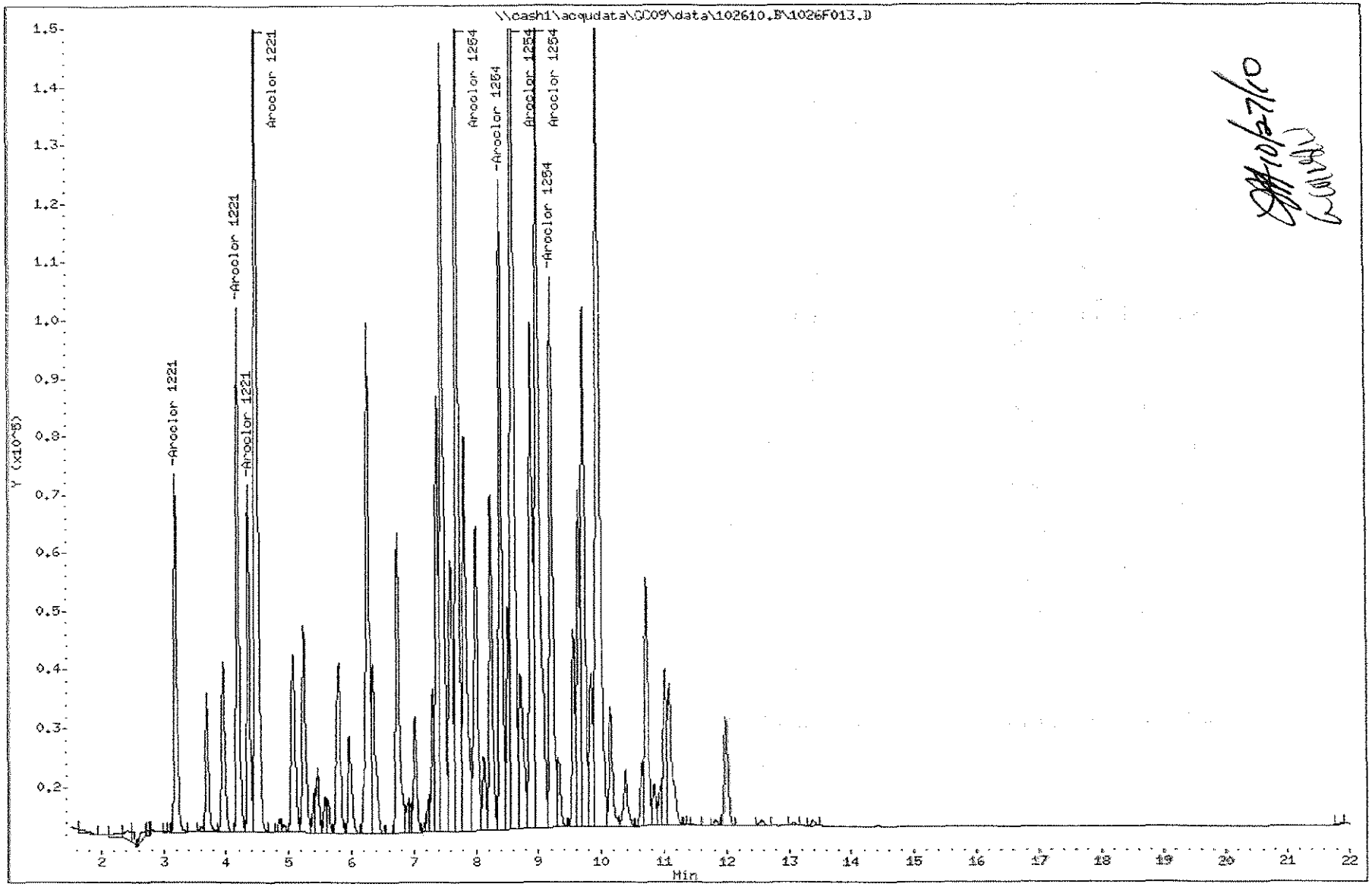
10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F013.D
Date : 27-OCT-2010 04:30
Client ID:
Sample Info: 1221/1254 @ 4000/2000ppb | PCB5-63K

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



10/27/10

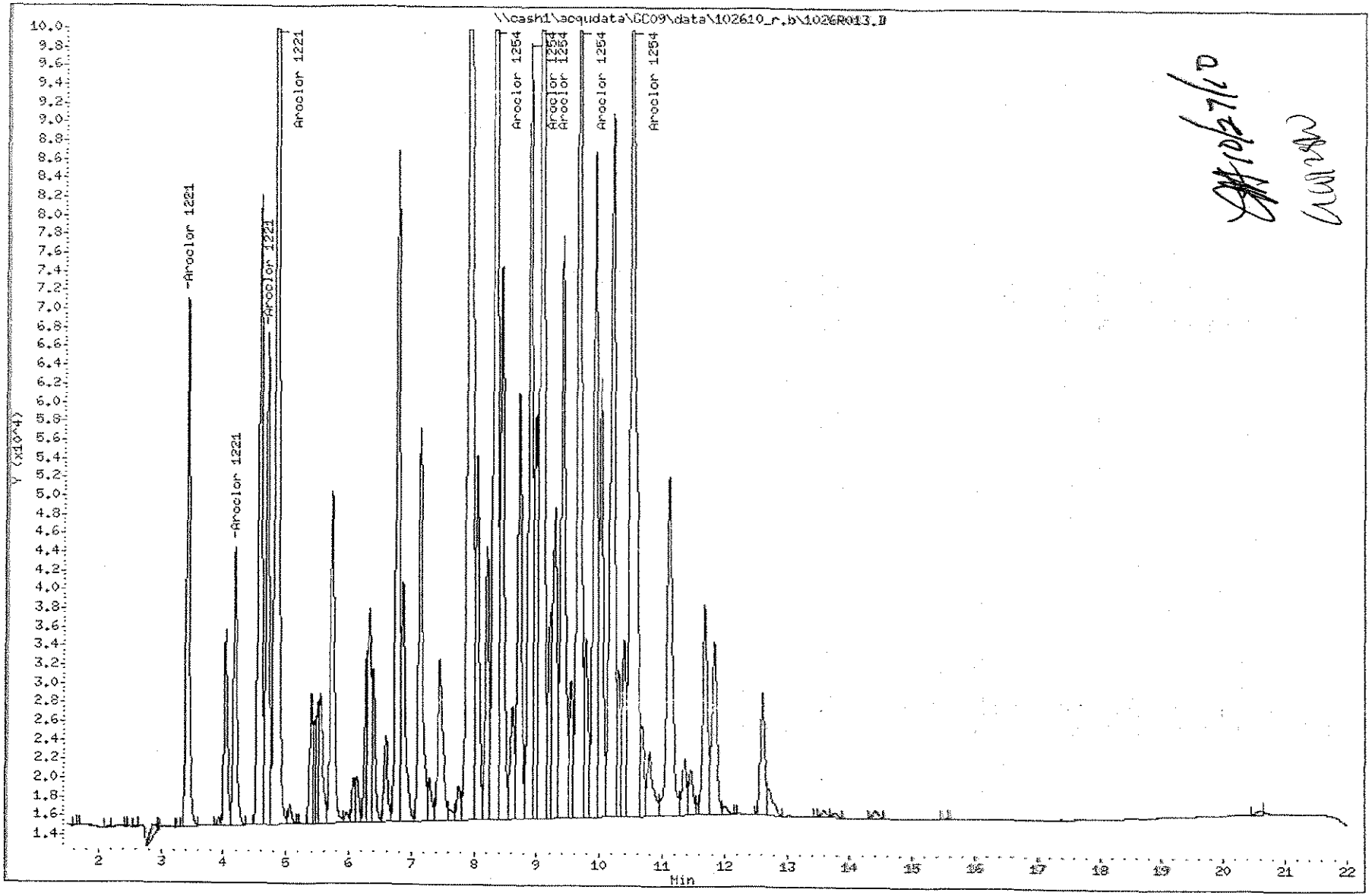
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R013.D
Date : 27-OCT-2010 04:30
Client ID:
Sample Info: 1221/1254 @ 4000/2000ppb | PCB5-63K

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1260

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F014.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F014.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R014.D
Inj Date : 27-OCT-2010 04:57
Sample Info: 1221/1254 @ 10000/5000ppb | PCB5-63L
Misc Info :
Cal Date : 27-OCT-2010 12:32
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1221+1254.sub
Sub List #2 : 1221+1254.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.183	3.410	396220	419578	6580	6720	80.00- 120.00	100.00(A)
	4.183	4.180	593638	237536	7190	6600	100.52- 150.78	149.83(A)
	4.357	4.690	382008	411596	7070	7310	64.35- 96.52	96.41(A)
	4.480	4.830	1225443	1282313	6670	6830	239.06- 358.59	309.28(A)
		Average of Peak Amounts =			6880	5860		
Aroclor 1254	7.703	8.323	1174517	1386731	3400	3570	80.00- 120.00	100.00
	8.403	8.883	900394	792602	3770	4160	53.50- 80.26	76.66
	8.600	9.067	1742351	1463501	3590	3960	111.76- 167.65	148.35
	8.997	9.660	1476896	1122816	3470	3710	97.53- 146.29	125.74
	9.210	10.503	776911	1430508	3600	4440	49.15- 73.73	66.15
		Average of Peak Amounts =			3570	3970		

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

10/27/10

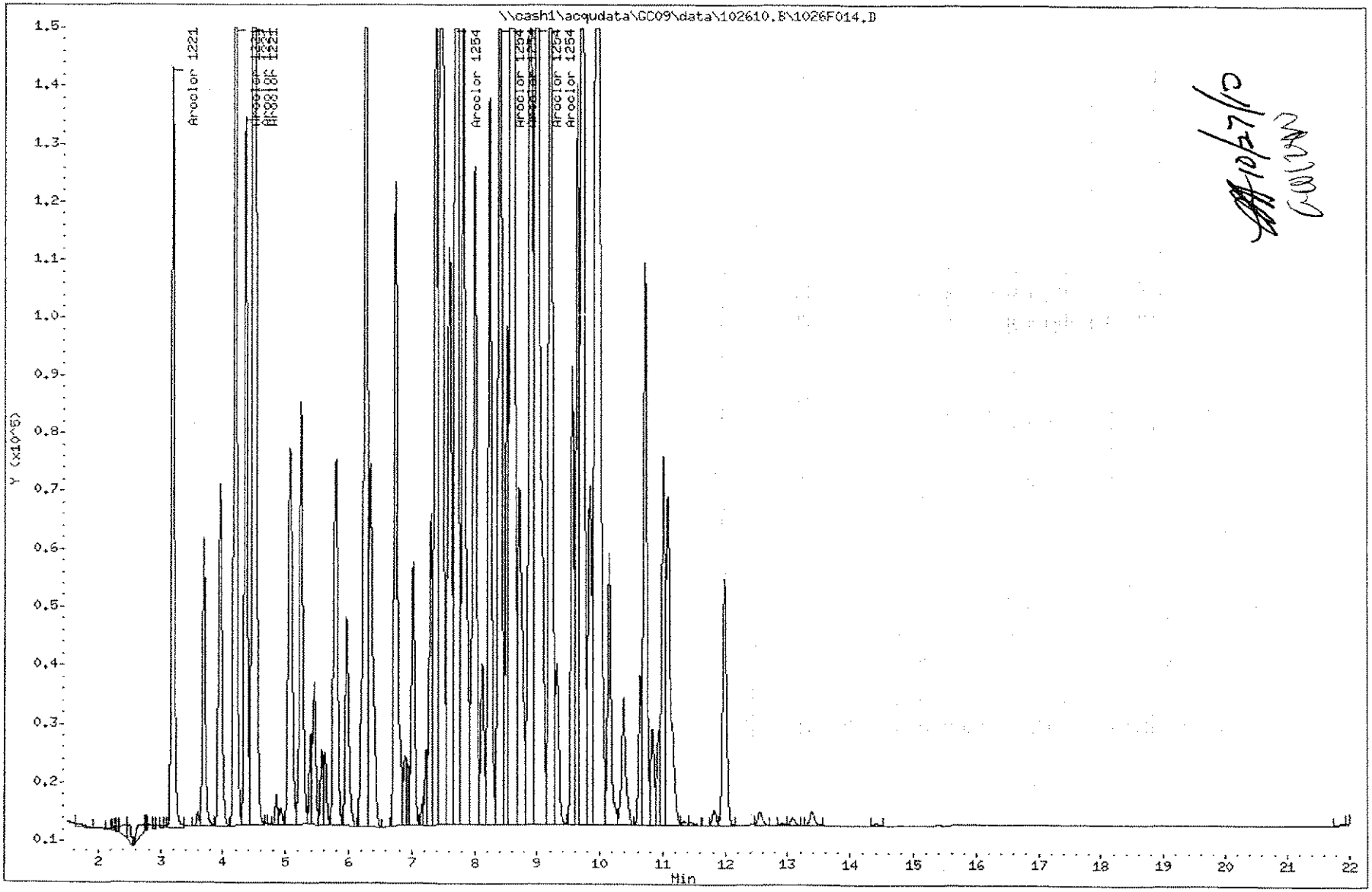
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F014.D
Date : 27-OCT-2010 04:57
Client ID:
Sample Info: 1221/1254 @ 10000/5000ppb | PCB5-63L

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

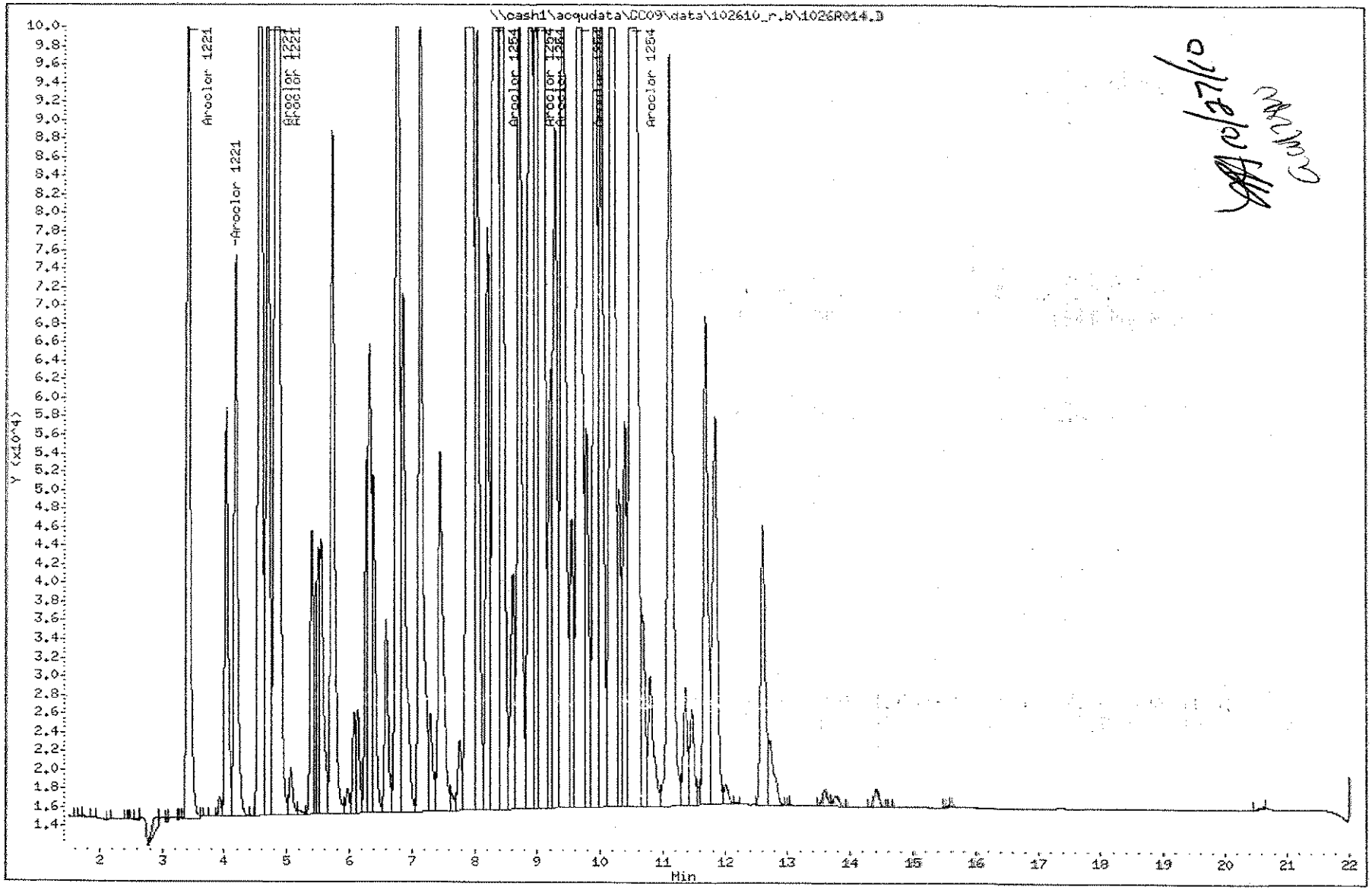
Column diameter: 0.53



1262

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R014.D
Date : 27-OCT-2010 04:57
Client ID:
Sample Info: 1221/1254 @ 10000/5000ppb | PCB5-63L

Instrument: GC09.i
Operator: LHarris
Column phase: DB-XLB
Column diameter: 0.53



1263

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F015.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F015.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R015.D
Inj Date : 27-OCT-2010 05:23
Sample Info: 1232/1262 @ 25ppb | PCB5-63M
Misc Info :
Cal Date : 27-OCT-2010 11:11
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1232+1262.sub
Sub List #2 : 1232+1262.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	5810	5453	36.5	33.7	80.00- 120.00	100.00(M)
	5.057	5.450	4907	1198	33.2	20.0	69.89- 104.84	84.45(M)
	5.797	5.730	8933	3135	34.0	29.4	126.75- 190.12	153.74(M)
	5.967	6.277	3623	3342	31.4	38.3	54.28- 81.42	62.35(M)
			Average of Peak Amounts =		33.8	30.4		
Aroclor 1262	10.037	10.510	12149	5730	29.5	27.2	80.00- 120.00	100.00(M)
	10.640	10.683	9652	9976	31.2	30.5	60.84- 91.26	79.44(M)
	11.087	11.840	17377	16822	29.6	30.4	112.15- 168.23	143.03(M)
	11.820	12.610	7567	12378	29.2	29.9	50.32- 75.47	62.28(M)
	11.983	12.807	13905	9043	30.0	29.4	88.90- 133.35	114.45(M)
			Average of Peak Amounts =		29.9	29.5		

QC Flag Legend

M - Compound response manually integrated.

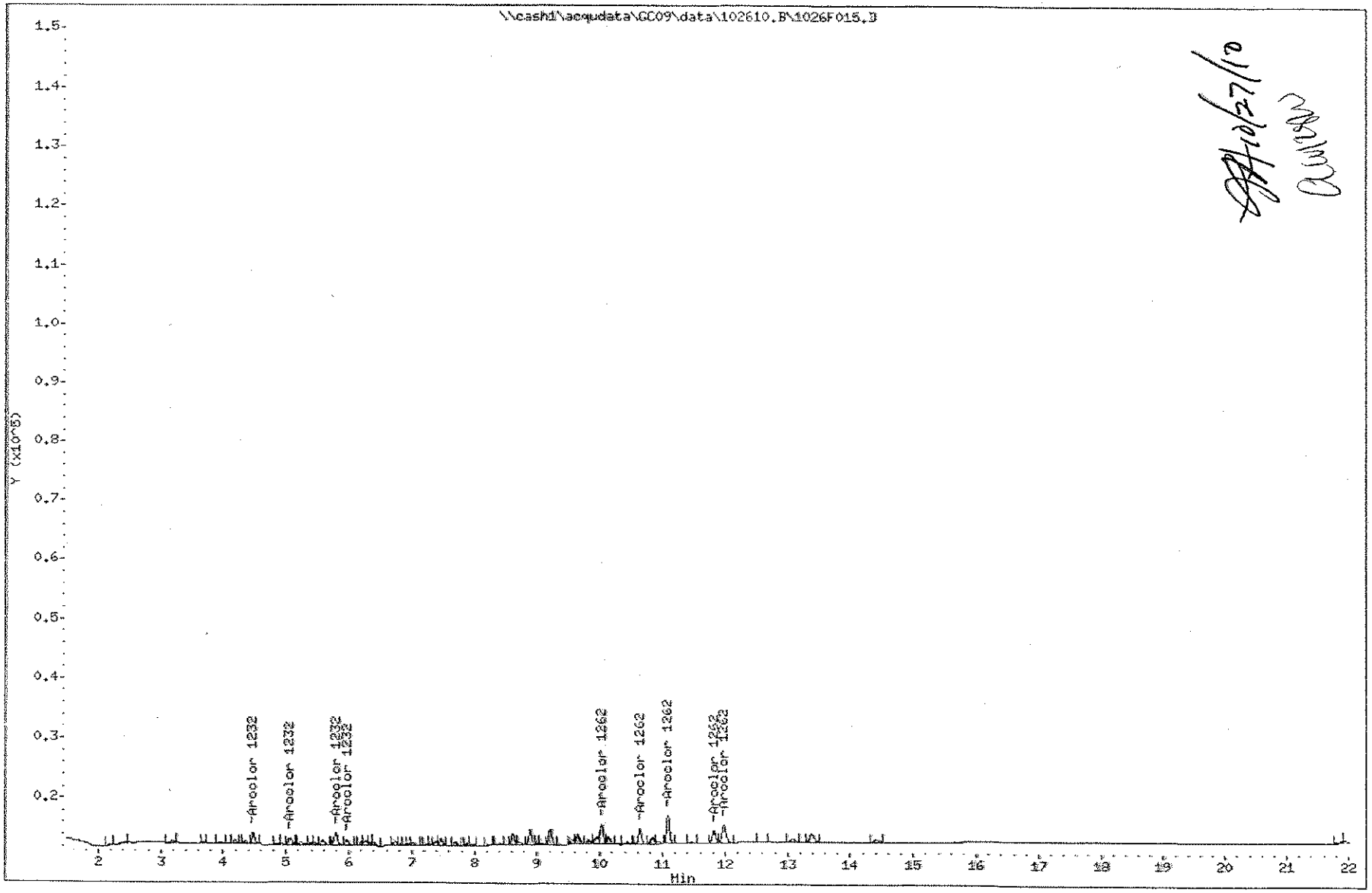
10/27/10
ACW/RW

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F015.D
Date : 27-OCT-2010 05:23
Client ID:
Sample Info: 1232/1262 @ 25ppb | PCB5-63M

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



01/27/2010

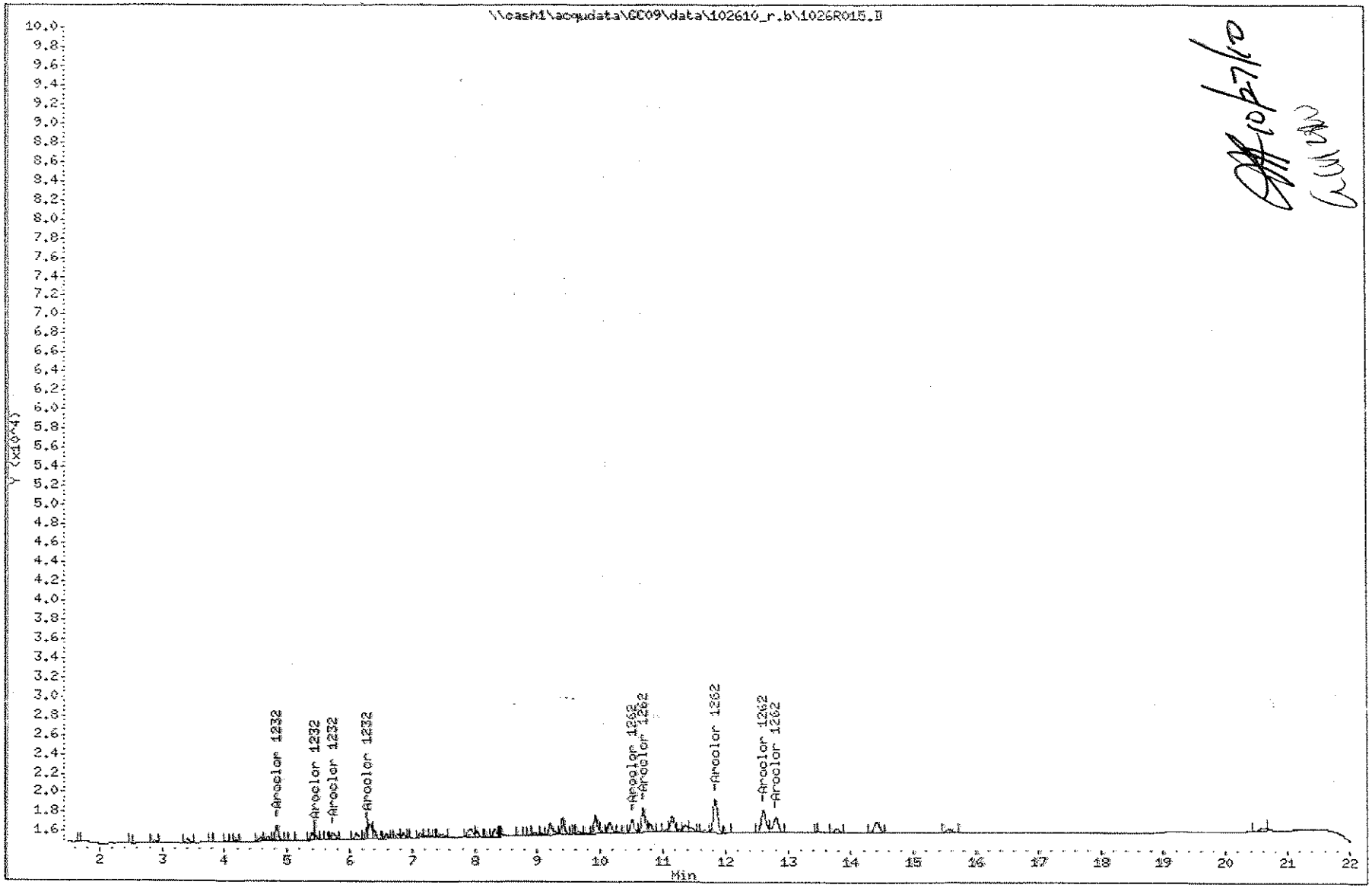
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R015.D
Date : 27-OCT-2010 05:23
Client ID:
Sample Info: 1232/1262 @ 25ppb | PCB5-63H

Instrument: GC09.i

Operator: LHarris

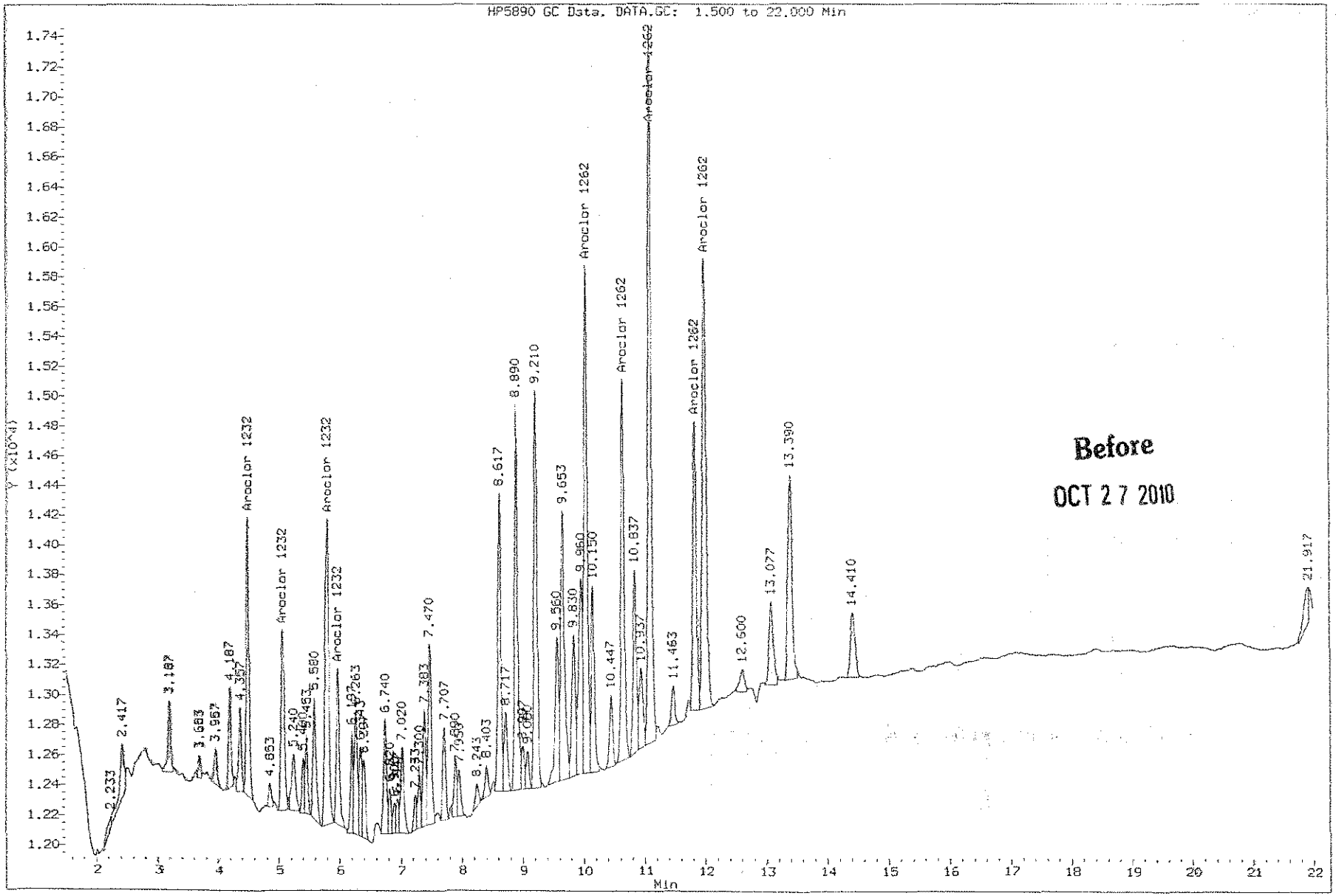
Column phase: DB-XLB

Column diameter: 0.53



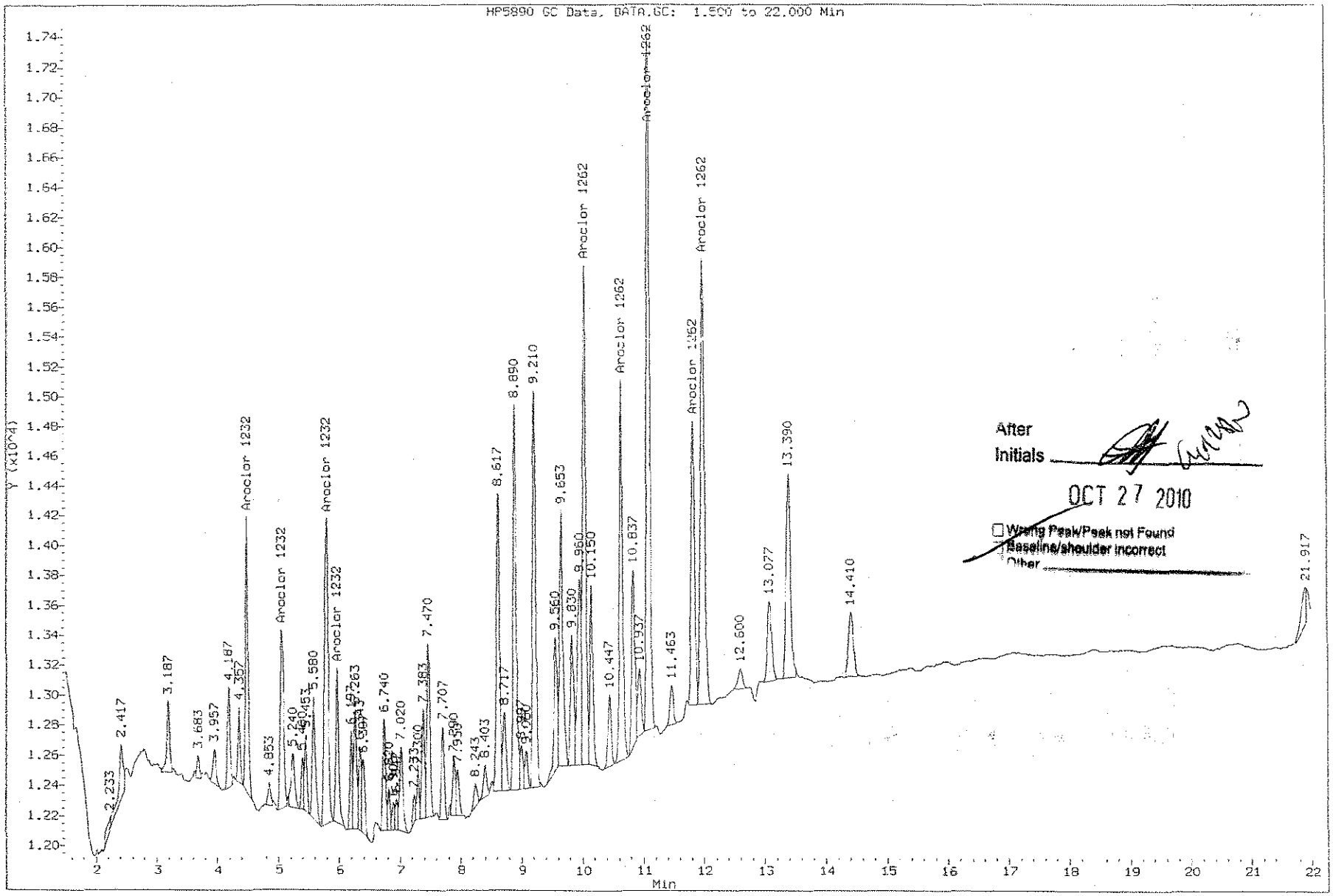
1266

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F015.D
Injection Date: 27-OCT-2010 05:23
Instrument: GC09.i
Client Sample ID:



1267

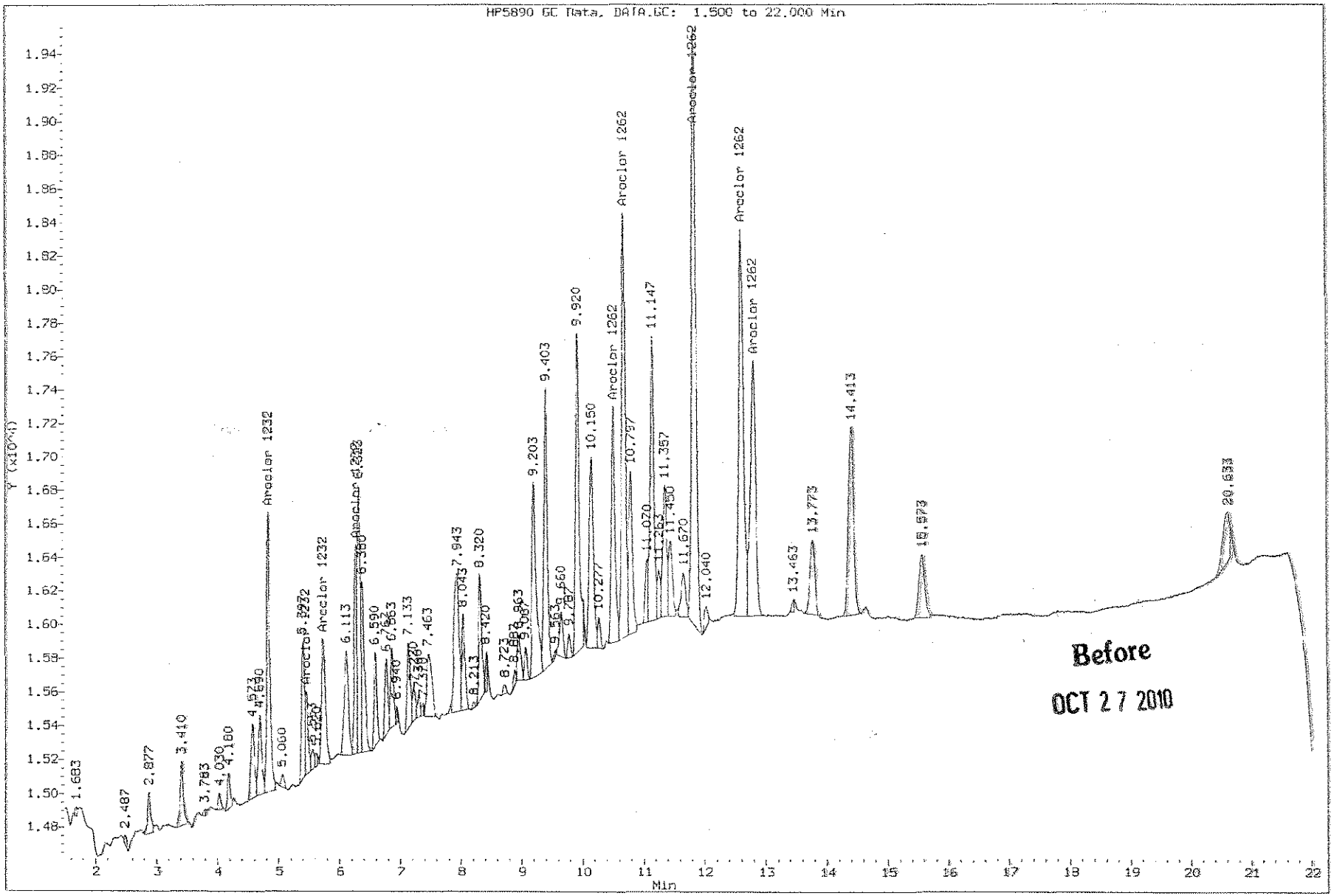
Data File: \\cash1\acqudata\GC09\data\102610.3\1026F015.D
Injection Date: 27-OCT-2010 05:23
Instrument: GC09.i
Client Sample ID:



After
Initials
OCT 27 2010
☐ Wrong Peak/Peak not Found
☐ Baseline/shoulder incorrect
☐ Other

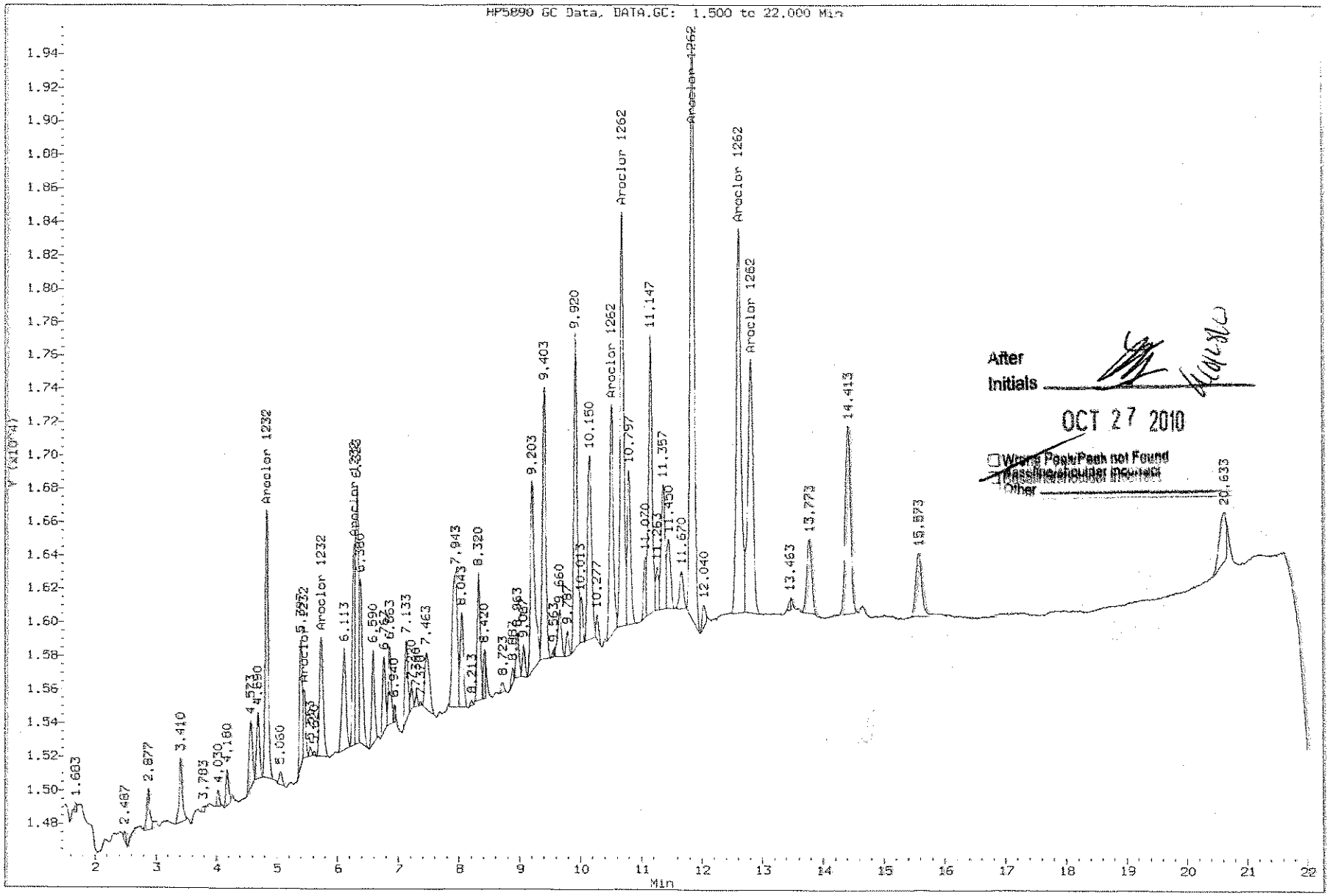
1268

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026RC15.D
Injection Date: 27-OCT-2010 05:23
Instrument: GC09.i
Client Sample ID:



1269

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R015.D
Injection Date: 27-OCT-2010 05:23
Instrument: GC09.i
Client Sample ID:



1270

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F016.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F016.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R016.D
Inj Date : 27-OCT-2010 05:50
Sample Info: 1232/1262 @ 50ppb | PCB5-63N
Misc Info :
Cal Date : 27-OCT-2010 11:11
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1232+1262.sub
Sub List #2 : 1232+1262.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	11586	11408	72.8	70.5	80.00- 120.00	100.00(M)
	5.057	5.450	10122	3042	68.5	50.9	69.89- 104.84	87.37(M)
	5.797	5.730	18356	6297	70.0	59.0	126.75- 190.12	158.43(M)
	5.963	6.273	7861	6195	68.2	71.0	54.28- 81.42	67.86(M)
		Average of Peak Amounts =			69.9	62.8		
Aroclor 1262	10.033	10.510	24902	11697	60.7	55.7	80.00- 120.00	100.00(M)
	10.640	10.683	18939	20025	61.3	61.4	60.84- 91.26	76.05(M)
	11.087	11.640	34910	32215	59.7	58.5	112.16- 168.23	140.19(M)
	11.820	12.610	15662	24605	60.8	59.5	50.32- 75.47	62.89(M)
	11.983	12.807	27672	17893	60.0	58.3	88.90- 133.35	111.12(M)
		Average of Peak Amounts =			60.5	58.7		

QC Flag Legend

M - Compound response manually integrated.

10/27/10
a WCHW

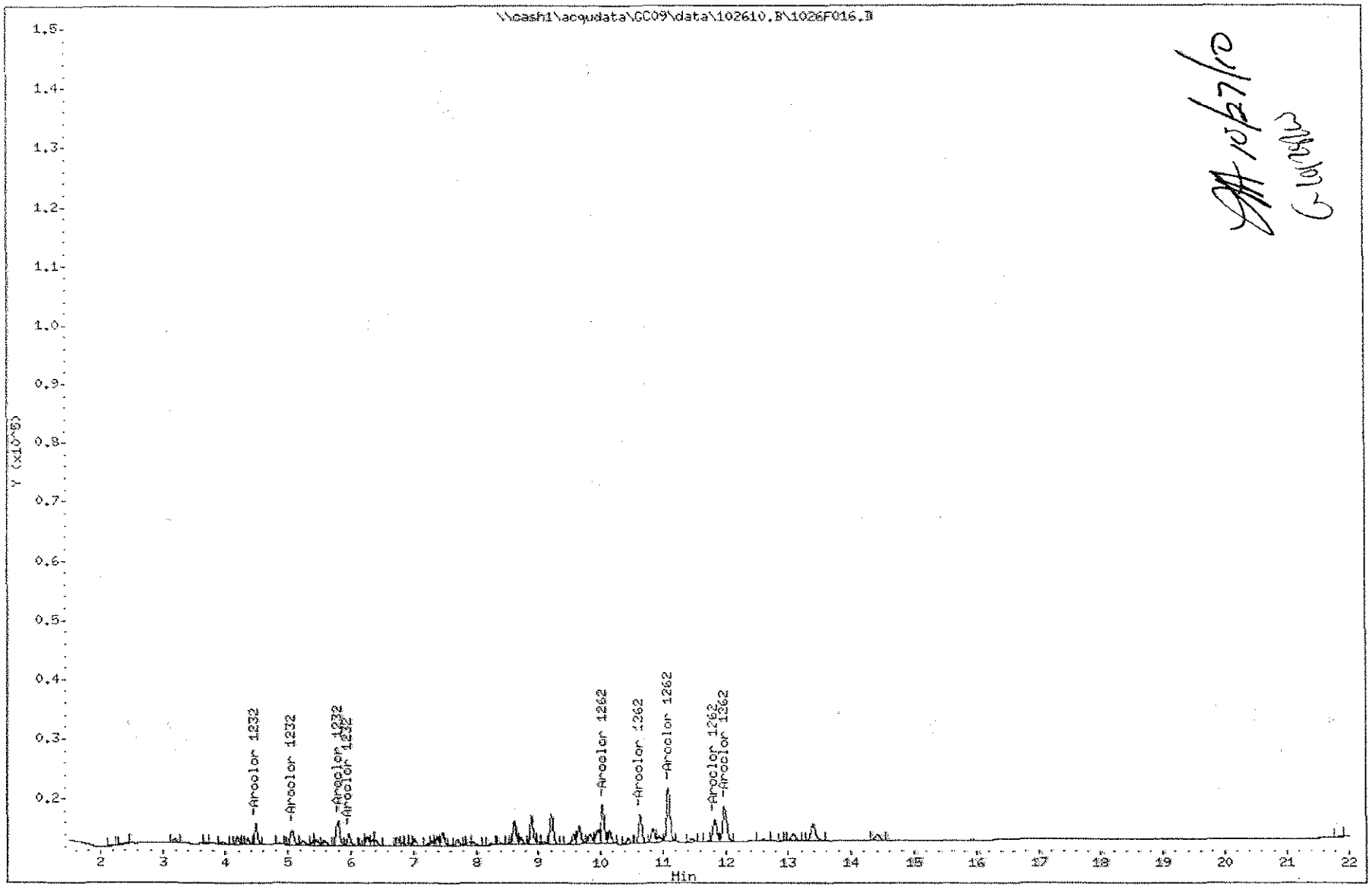
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F016.D
Date : 27-OCT-2010 05:50
Client ID:
Sample Info: 1232/1262 @ 50ppb + PCB5-63N

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



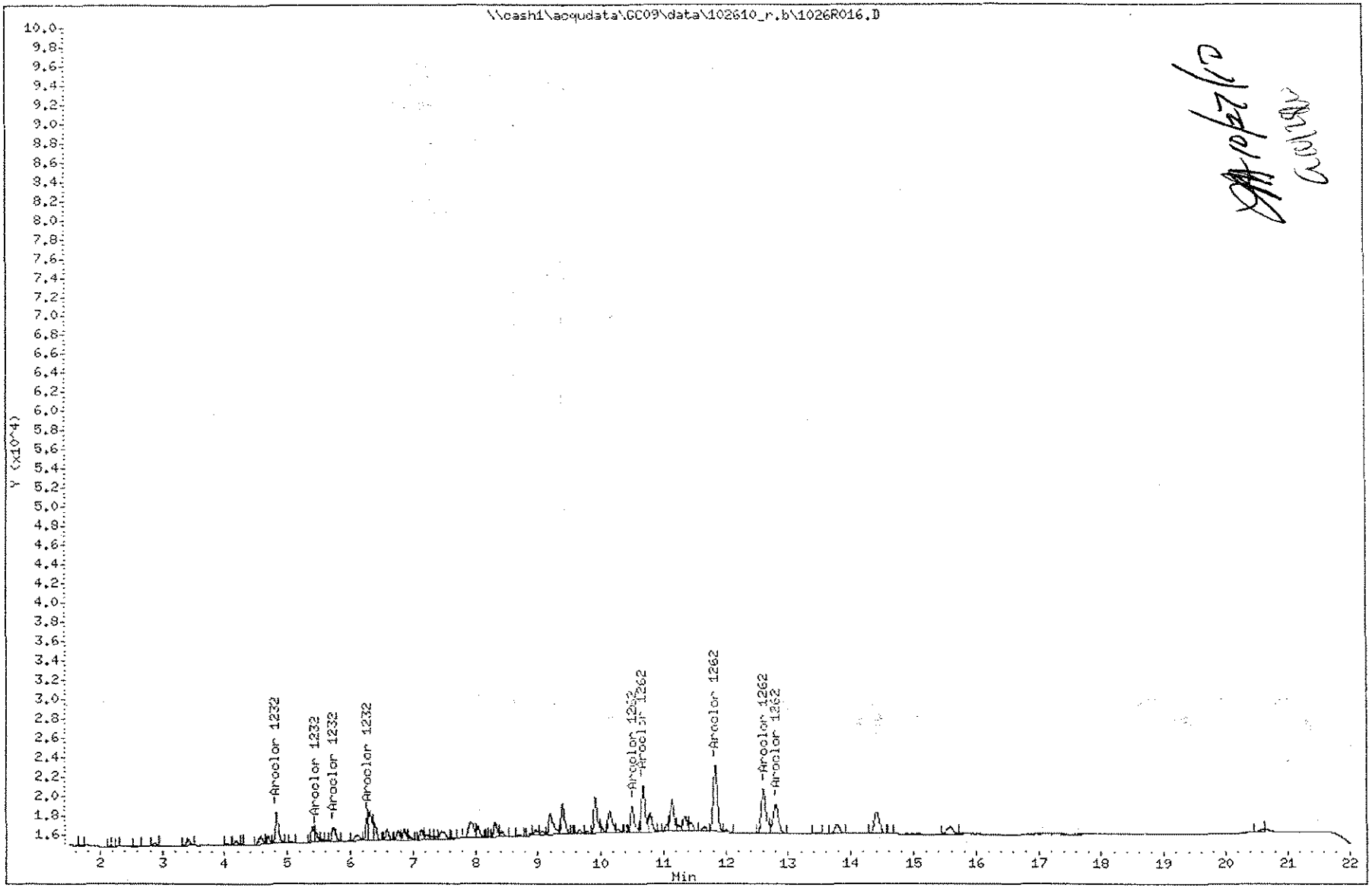
10/27/10
LHarris

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R016.D
Date : 27-OCT-2010 05:50
Client ID:
Sample Info: 1232/1262 @ 50ppb | PCB5-63N

Column phase: DB-XLB

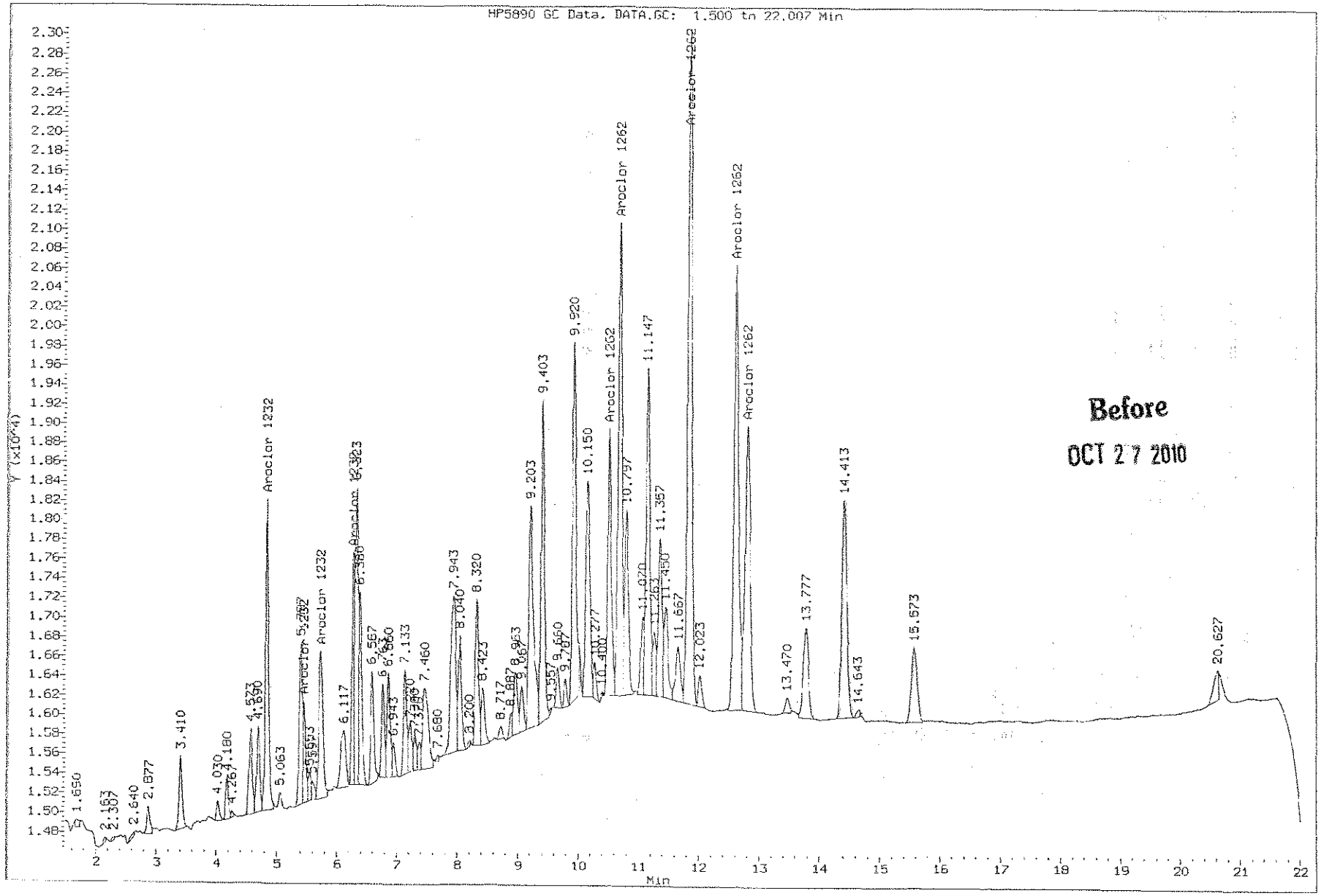
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



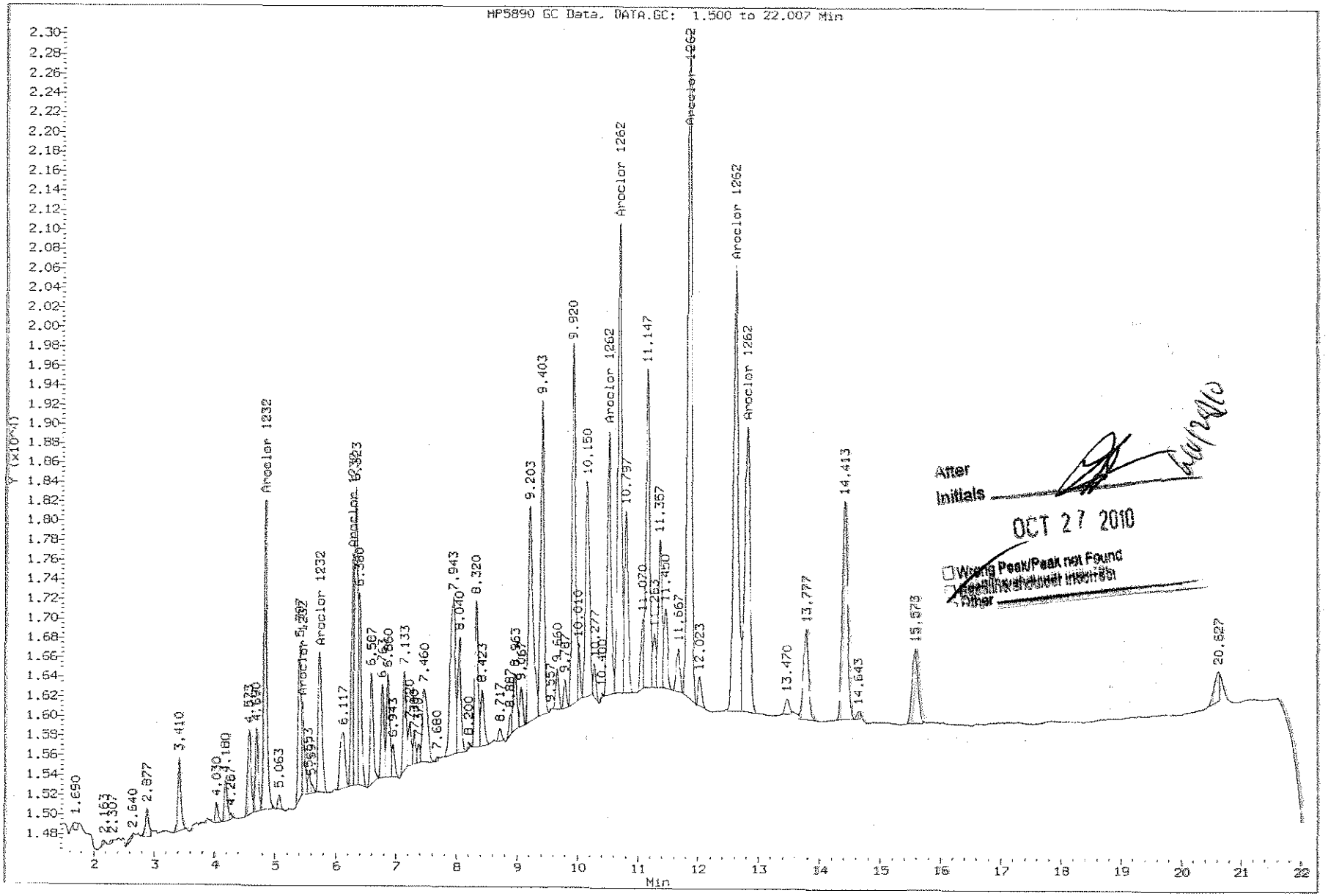
1273

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R016.D
Injection Date: 27-OCT-2010 05:50
Instrument: GC09.i
Client Sample ID:



1274

Data File: \\cashl\acqudata\GC09\data\102610_r.b\1026R016.B
Injection Date: 27-OCT-2010 05:50
Instrument: GC09.i
Client Sample ID:



1275

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F017.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F017.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R017.D
Inj Date : 27-OCT-2010 06:16
Sample Info: 1232/1262 @ 500ppb | PCB5-630
Misc Info :
Cal Date : 27-OCT-2010 11:11
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1232+1262.sub
Sub List #2 : 1232+1262.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	90850	90815	571	561	60.00- 120.00	100.00
	5.057	5.450	82248	28973	557	485	69.89- 104.84	90.53
	5.793	5.730	147097	55982	561	524	126.75- 190.12	161.91
	5.963	6.277	64664	47492	561	544	54.28- 81.42	71.18
			Average of Peak Amounts =		562	528		
Aroclor 1262	10.033	10.510	197689	111285	475	522	80.00- 120.00	100.00(M)
	10.637	10.683	155292	166433	502	504	60.84- 91.26	78.55(M)
	11.087	11.840	295508	279351	503	503	112.15- 168.23	149.48(M)
	11.820	12.610	132439	212700	511	513	50.32- 75.47	66.99(M)
	11.983	12.810	234533	157482	506	512	88.90- 133.35	118.64(M)
			Average of Peak Amounts =		499	511		

QC Flag Legend

M - Compound response manually integrated.

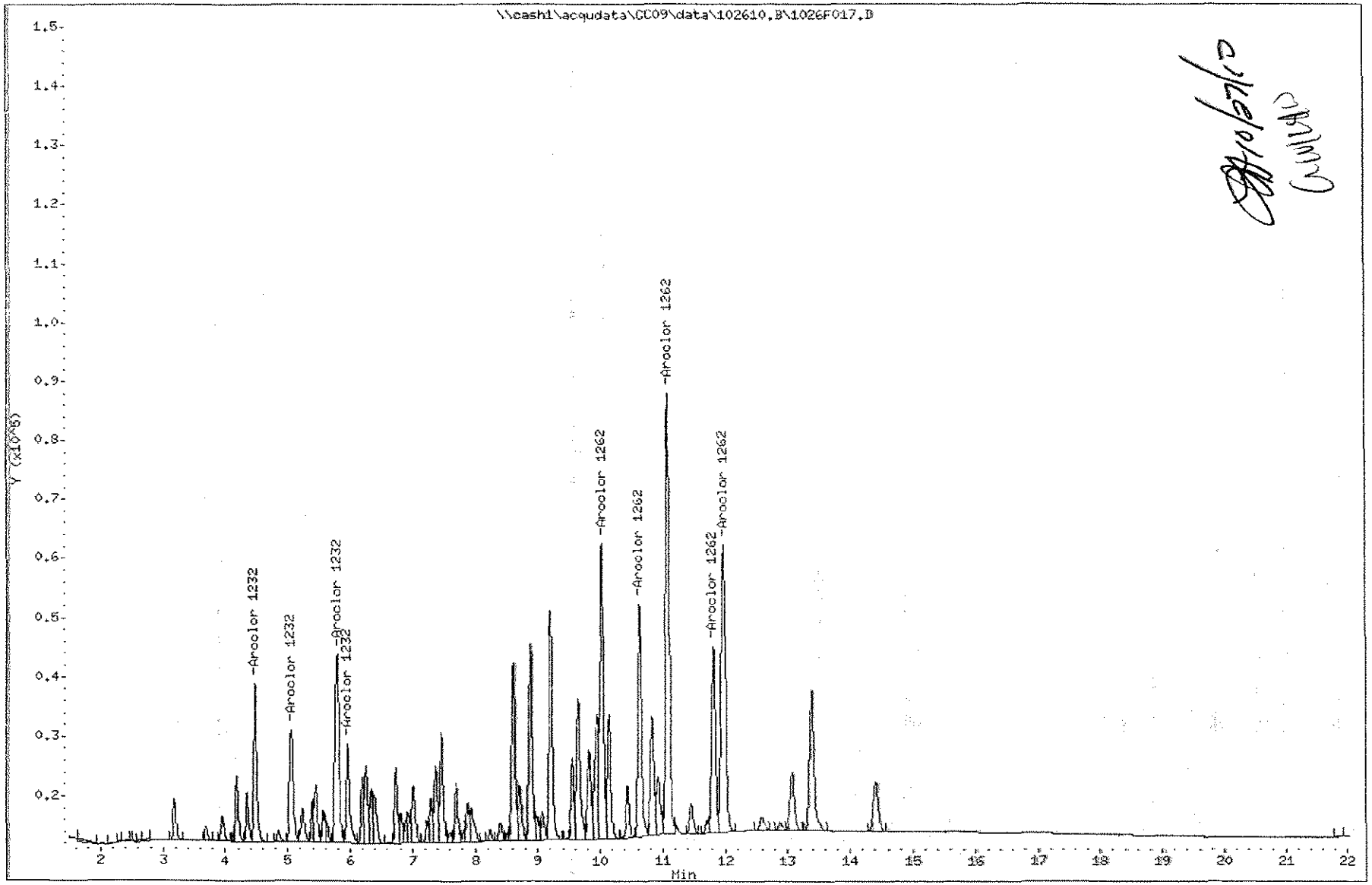
10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F017.D
Date : 27-OCT-2010 06:16
Client ID:
Sample Info: 1232/1262 @ 500ppb | PCB5-630

Column phase: DB-3CMS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



Cumulative

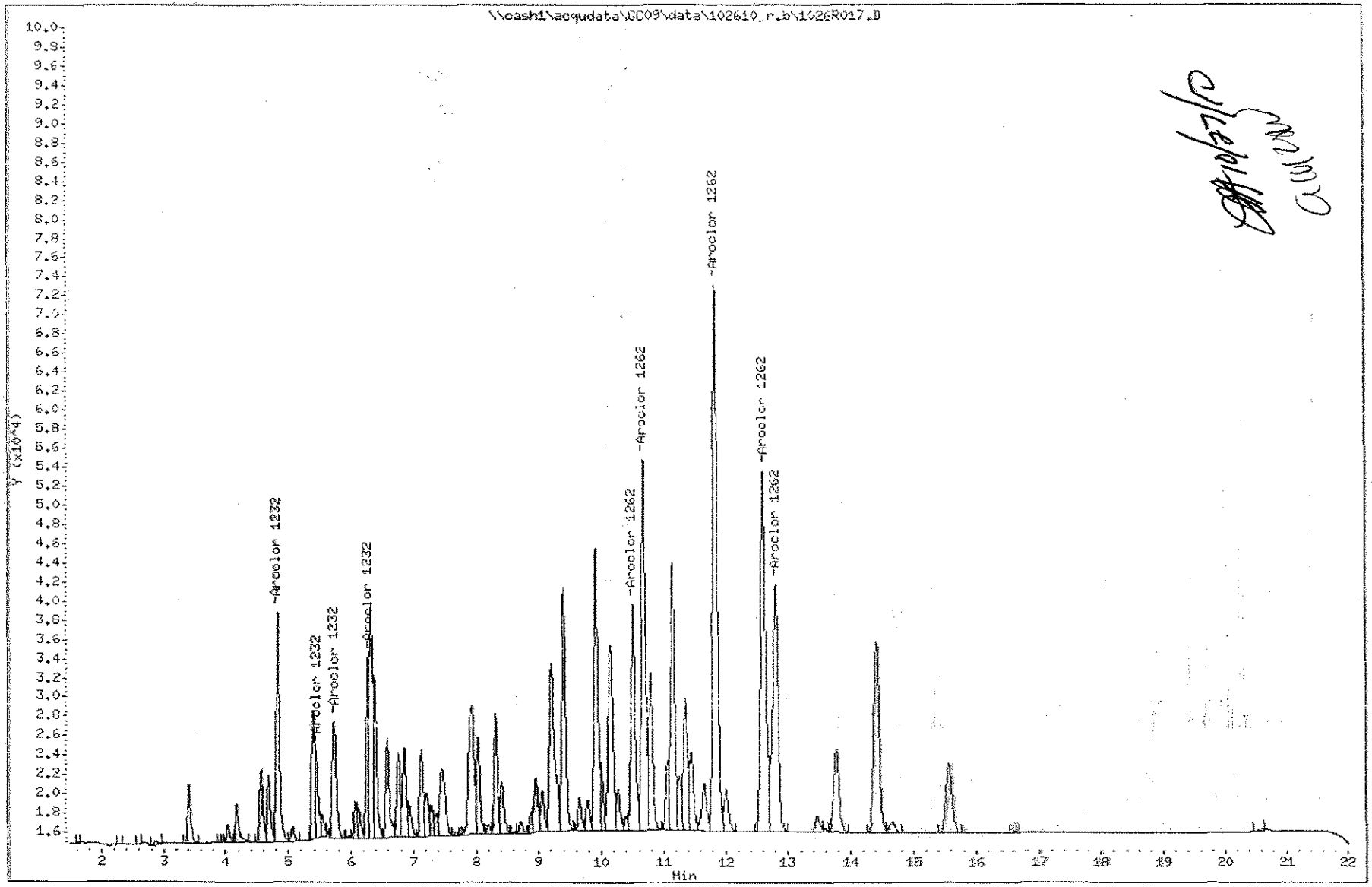
1277

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R017.D
Date : 27-OCT-2010 06:16
Client ID:
Sample Info: 1232/1262 @ 500ppb | PCB5-630

Column phase: DB-XLB

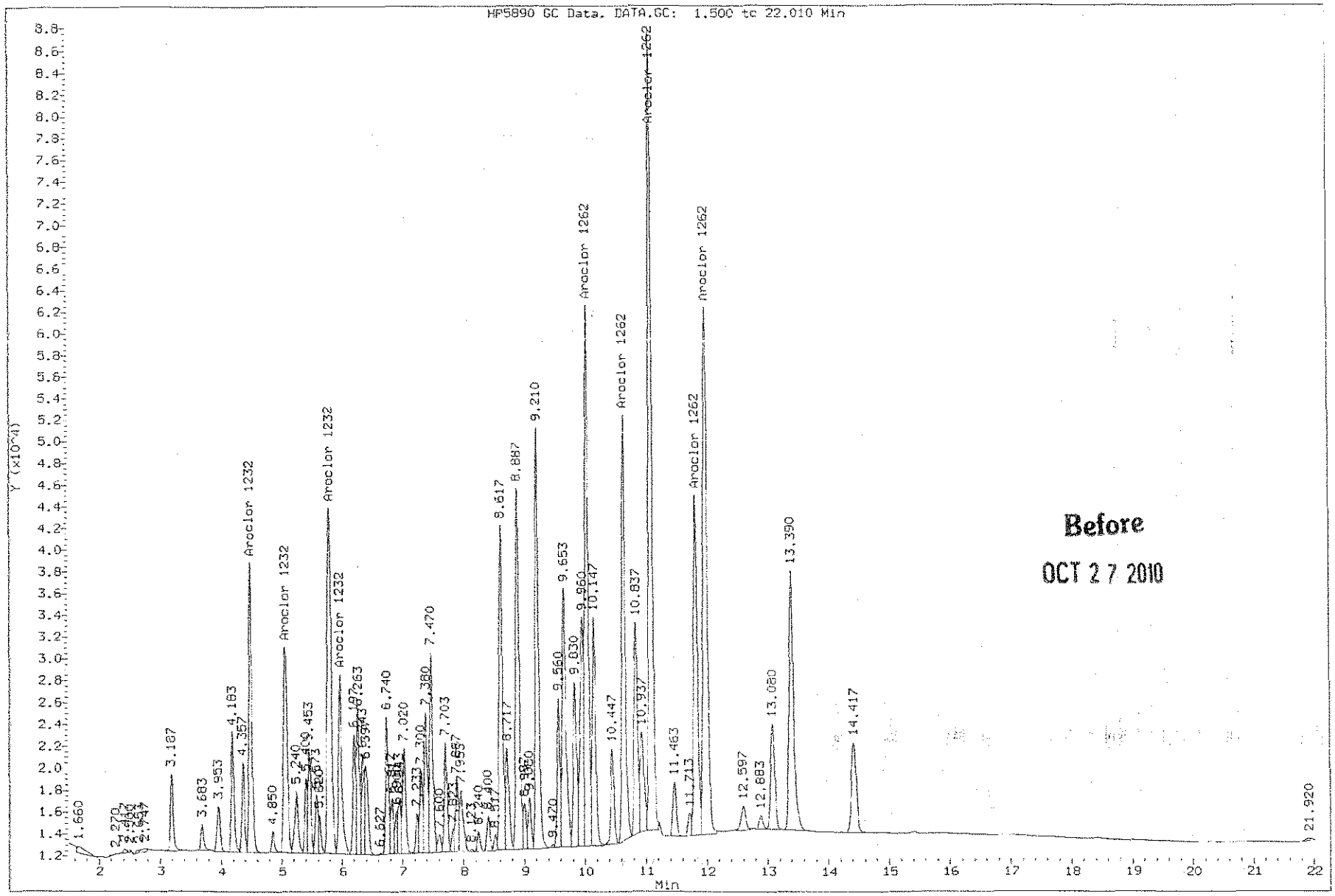
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

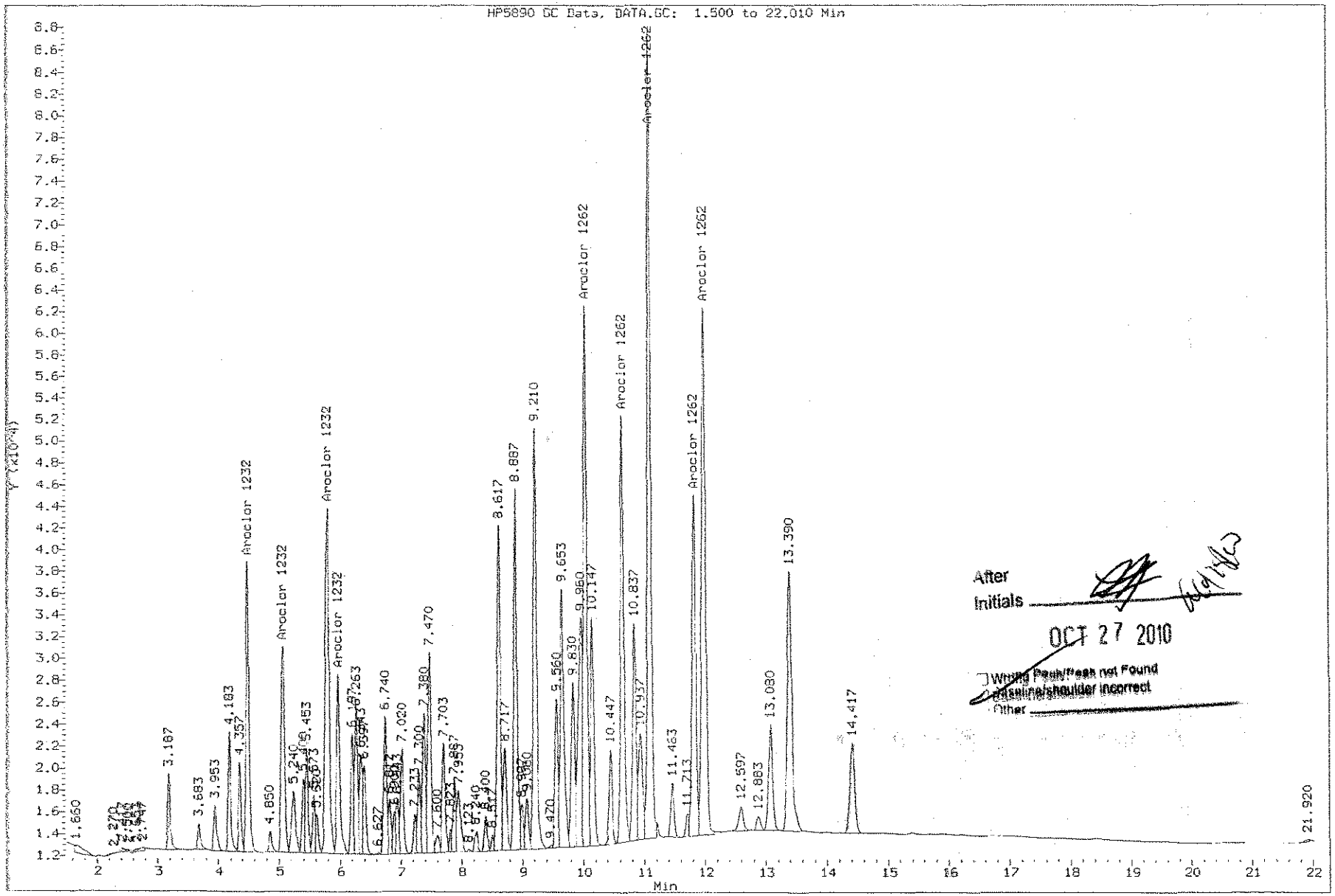


1278

Data File: \\cashi\acqudata\GC09\data\102610.B\1026F017.D
Injection Date: 27-OCT-2010 06:16
Instrument: GC09.i
Client Sample ID:



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F017.D
Injection Date: 27-OCT-2010 06:16
Instrument: GC09.i
Client Sample ID:



1280

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F018.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F018.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R018.D
Inj Date : 27-OCT-2010 06:43
Sample Info: 1232/1262 @ 1000ppb | PCB5-63P
Misc Info :
Cal Date : 27-OCT-2010 11:11
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1232+1262.sub
Sub List #2 : 1232+1262.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	159149	161792	1000	1000	80.00- 120.00	100.00
	5.057	5.450	147672	159784	1000	1000	69.89- 104.84	92.79
	5.793	5.730	262360	105757	1000	1000	126.75- 190.12	164.85
	5.963	6.273	115344	87284	1000	1000	54.28- 81.42	72.48
		Average of Peak Amounts =			1000	1000		
Aroclor 1262	10.033	10.510	358545	209773	845	985	80.00- 120.00	100.00
	10.640	10.683	287350	305391	914	924	60.84- 91.26	80.14
	11.083	11.840	557000	518519	930	934	112.15- 168.23	155.35
	11.820	12.610	246408	389628	929	940	50.32- 75.47	68.72
	11.980	12.810	436550	296146	924	963	88.90- 133.35	121.76
		Average of Peak Amounts =			908	949		

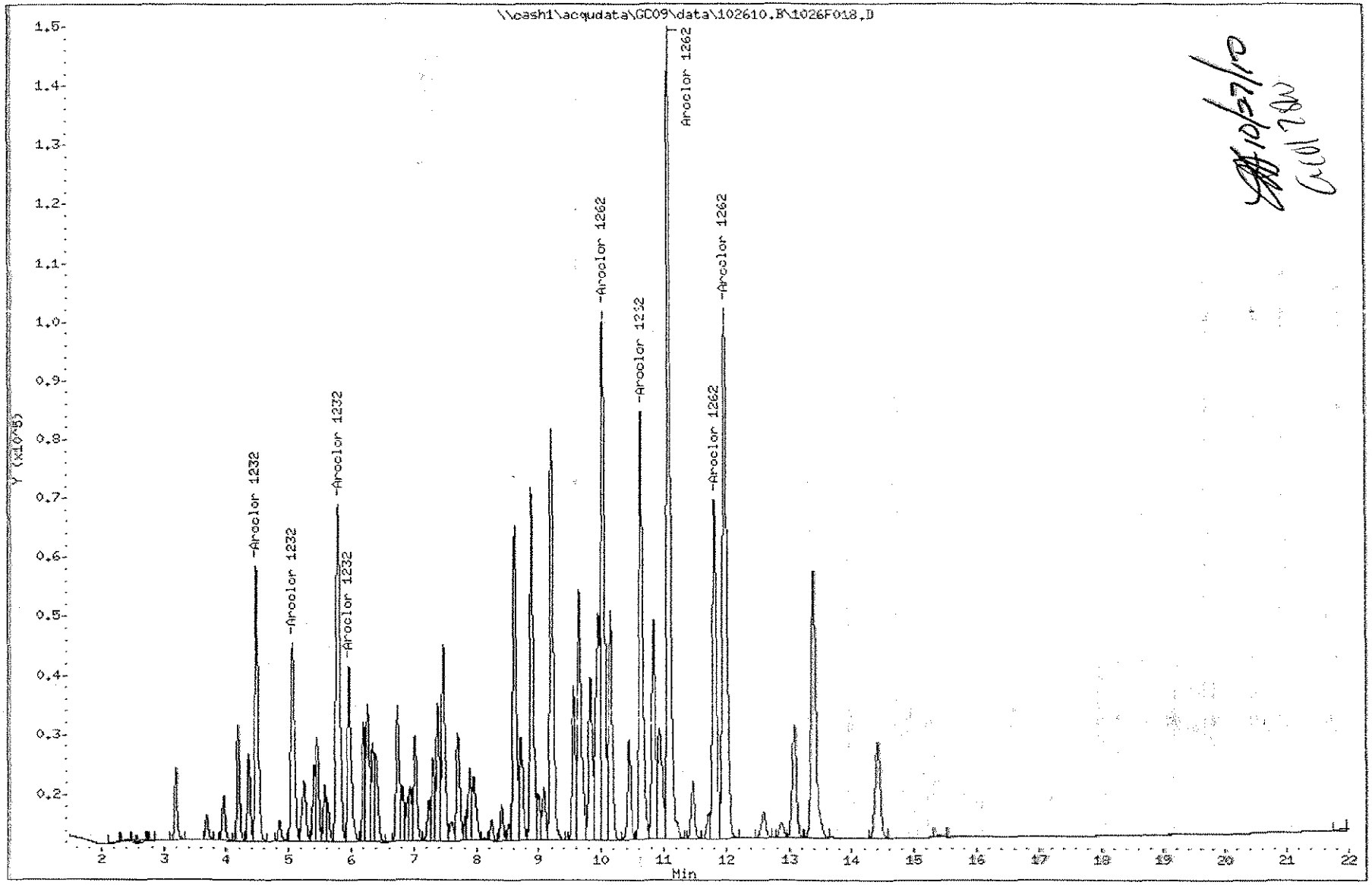
10/27/10
ACH

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F018.D
Date : 27-OCT-2010 06:43
Client ID:
Sample Info: 1232/1262 @ 1000ppb | PCB5-63P

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



10/27/10
CW 1282

1282

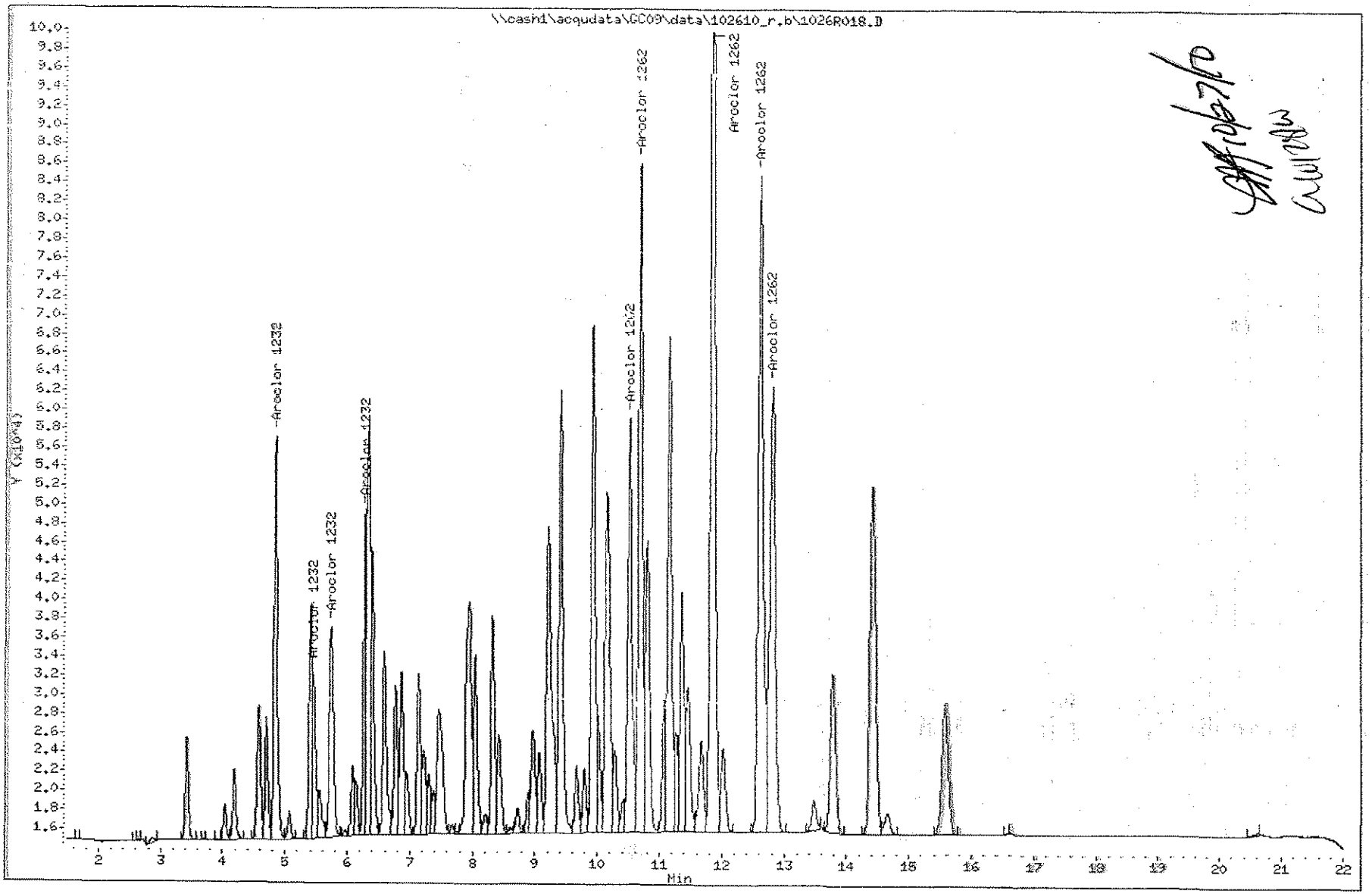
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R018.D
Date : 27-OCT-2010 06:43
Client ID:
Sample Info: 1232/1262 @ 1000ppb | PCB5-63P

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1283

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F019.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F019.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R019.D
Inj Date : 27-OCT-2010 07:09
Sample Info: 1232/1262 @ 2000ppb | PCB5-63Q
Misc Info :
Cal Date : 27-OCT-2010 11:11
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1232+1262.sub
Sub List #2 : 1232+1262.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	278520	284864	1750	1760	80.00- 120.00	100.00
	5.057	5.450	260844	108250	1770	1810	69.89- 104.84	93.65
	5.793	5.730	466778	191735	1780	1800	126.75- 190.12	167.59
	6.063	6.273	205480	154045	1780	1770	54.28- 81.42	73.78
		Average of Peak Amounts =			1770	1780		
Aroclor 1262	10.033	10.510	627523	381922	1500	1790	80.00- 120.00	100.00
	10.640	10.683	513731	549187	1650	1660	60.84- 91.26	81.87
	11.083	11.840	1010989	948704	1700	1710	112.15- 168.23	161.09
	11.820	12.510	440734	716056	1670	1730	50.32- 75.47	70.23
	11.983	12.807	784701	535264	1670	1740	88.90- 133.35	125.05
		Average of Peak Amounts =			1640	1730		

10/27/10
CLOSED

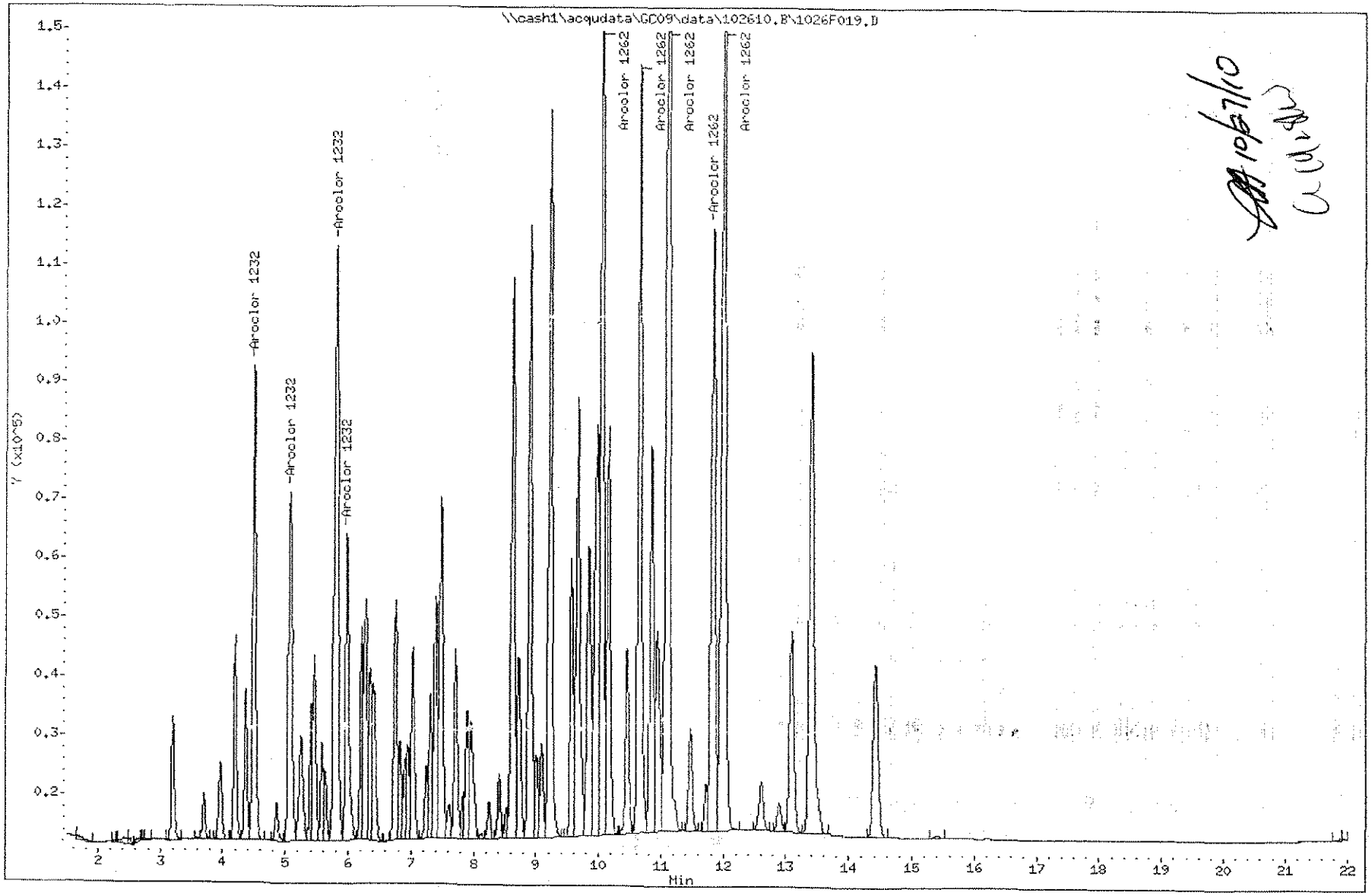
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F019.D
Date : 27-OCT-2010 07:09
Client ID:
Sample Info: 1232/1262 @ 2000ppb | PCB5-63Q

Instrument: GC09,i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



10/27/10

1285

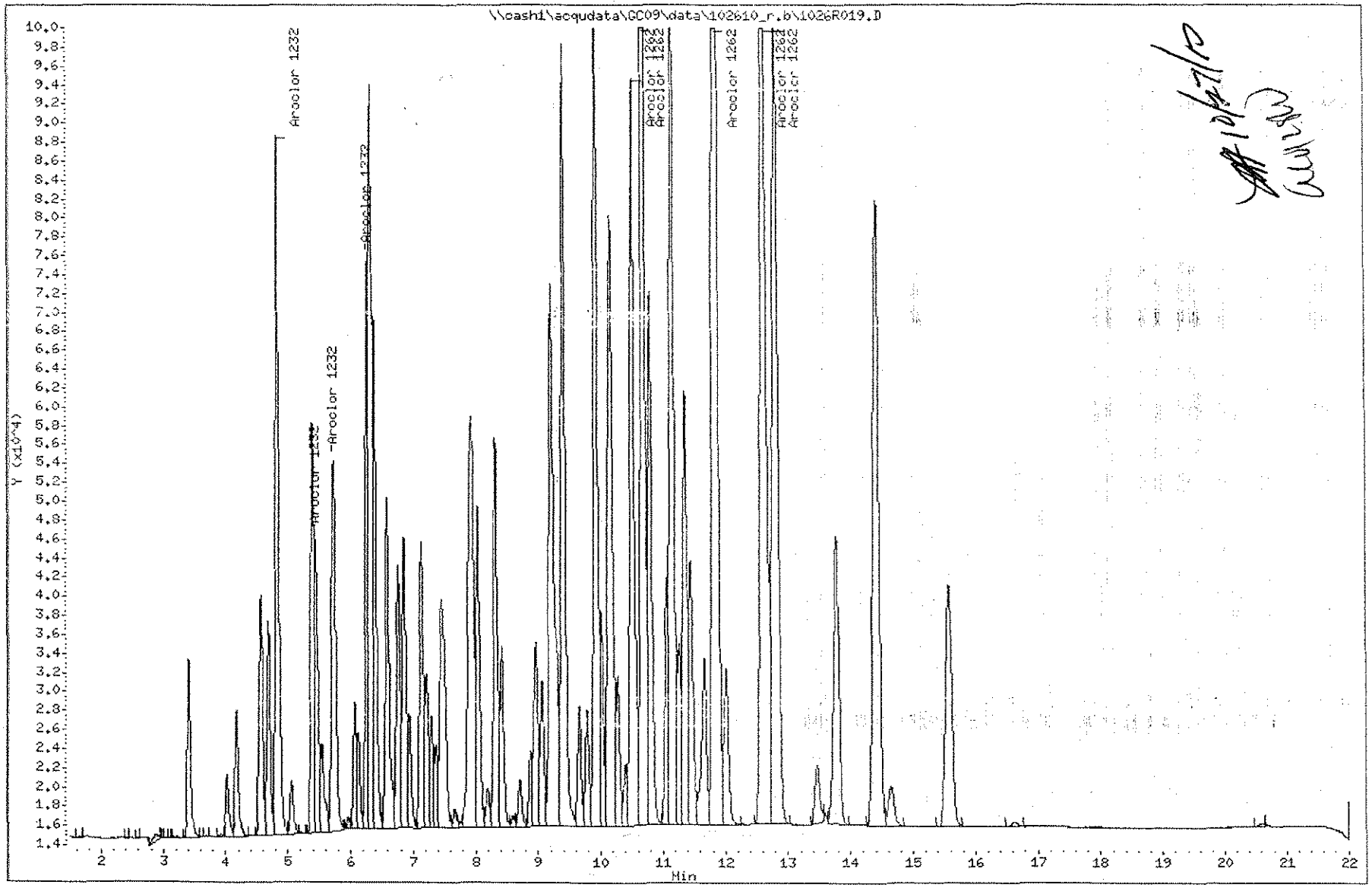
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R019.D
Date : 27-OCT-2010 07:09
Client ID:
Sample Info: 1232/1262 @ 2000ppb | PCB5-63Q

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1286

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F020.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F020.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R020.D
Inj Date : 27-OCT-2010 07:36
Sample Info: 1232/1262 @ 5000ppb | PCB5-63R
Misc Info :
Cal Date : 27-OCT-2010 11:11
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1232+1262.sub
Sub List #2 : 1232+1262.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	580376	600696	3650	3710	80.00- 120.00	100.00
	5.057	5.450	552700	237214	3740	3970	69.89- 104.84	95.23
	5.793	5.730	1014654	425000	3870	3980	126.75- 190.12	174.83
	5.963	6.273	449198	346804	3890	3970	64.28- 81.42	77.40
			Average of Peak Amounts =		3790	3910		
Aroclor 1262	10.033	10.507	1405336	854807	3360	4060	80.00- 120.00	100.00
	10.640	10.683	1167884	1229541	3790	3720	60.84- 91.26	83.10
	11.083	11.840	2314935	2157877	3920	3900	112.15- 168.23	164.72
	11.820	12.610	991515	1612789	3800	3890	50.32- 75.47	70.55
	11.983	12.807	1787183	1220900	3840	3970	88.90- 133.35	127.17
			Average of Peak Amounts =		3740	3910		

10/27/10
ACH 28

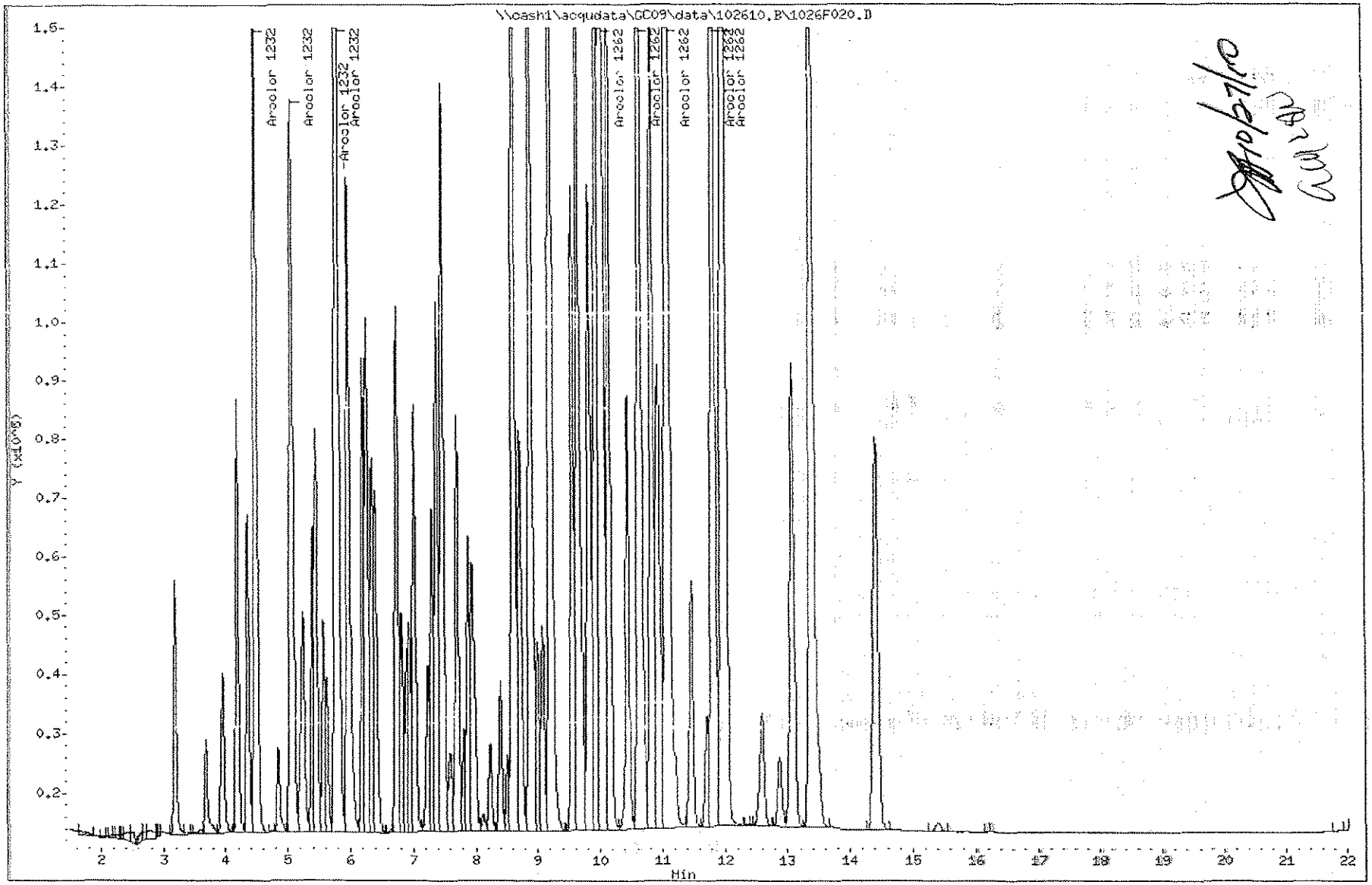
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F020.D
Date : 27-OCT-2010 07:36
Client ID:
Sample Info: 1232/1262 @ 5000ppb | PCB5-63R

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



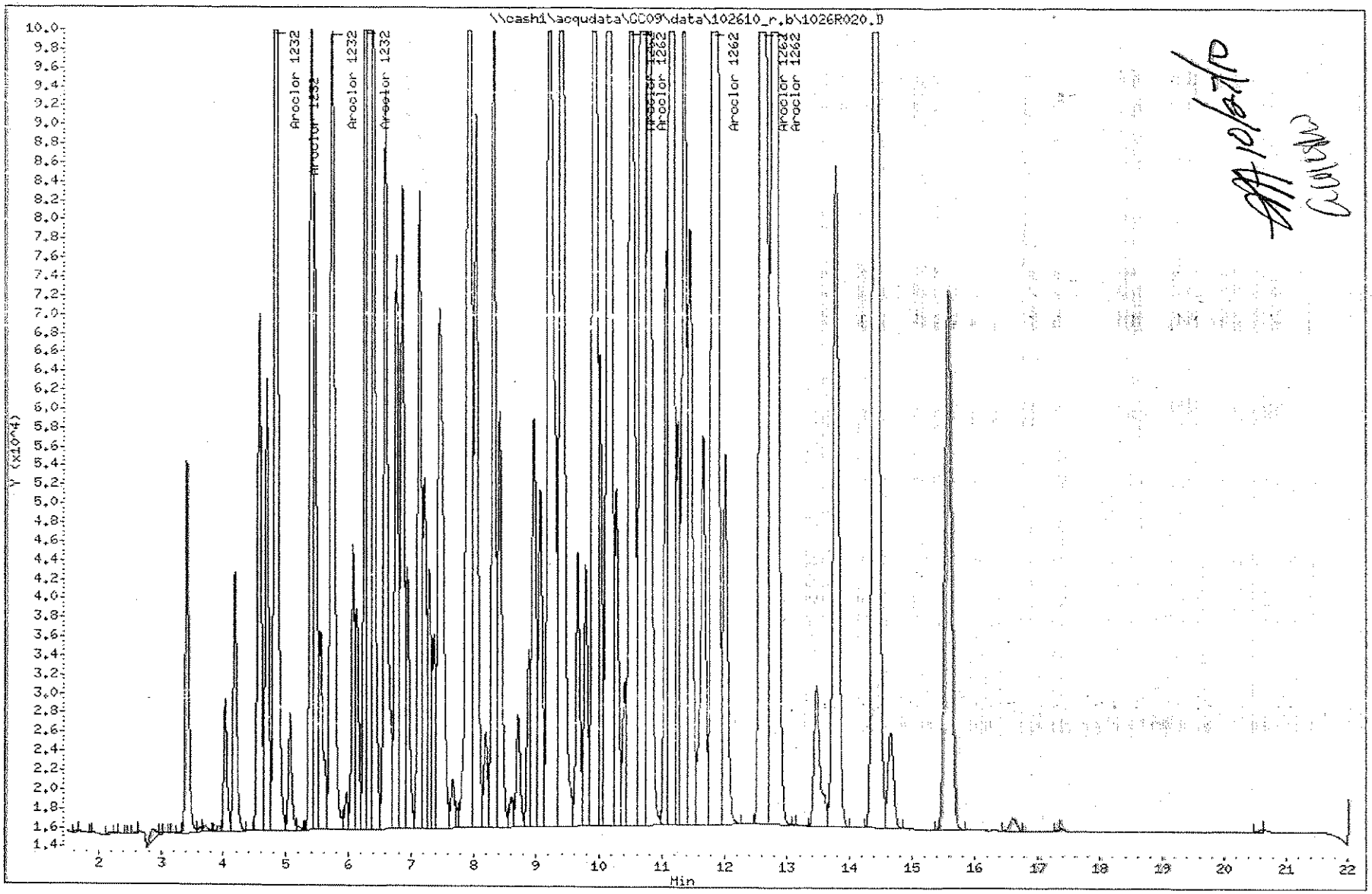
1288

Data File: \\cashi\acqudata\GC09\data\102610_r.b\1026R020.D
Date : 27-OCT-2010 07:36
Client ID:
Sample Info: 1232/1262 @ 5000ppb | PCB5-63R

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



1289

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F021.D
Report Date: 27-Oct-2010 14:48

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F021.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R021.D
Inj Date : 27-OCT-2010 08:02
Sample Info: 1242/1268 @ 25ppb | PCB5-63S
Misc Info :
Cal Date : 27-OCT-2010 11:11
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1242+1268.sub
Sub List #2 : 1242+1268.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.057	5.450	8253	2258	30.2	24.6	80.00- 120.00	100.00(M)
	5.453	6.380	3001	6152	27.4	32.0	31.14- 46.71	36.36(M)
	5.967	6.590	6642	3821	30.0	26.1	61.93- 92.90	80.48(M)
	6.343	6.767	3618	3260	30.4	28.8	32.29- 48.44	43.85(M)
	6.740	6.860	4800	4081	29.1	29.9	48.04- 72.05	58.17(M)
		Average of Peak Amounts =			29.4	28.3		
Aroclor 1268	11.820	12.617	26727	26862	30.6	34.2	80.00- 120.00	100.00(M)
	11.970	13.817	24039	23874	31.2	36.3	72.24- 108.36	89.95(M)
	12.600	13.473	19366	19467	31.1	71.1	58.58- 87.86	72.46(M)
	12.883	13.737	3920	4989	25.5	19.3	12.82- 19.23	14.67(M)
	13.393	14.417	7706	8052	28.2	5.30	23.76 35.64	28.83(M)
		Average of Peak Amounts =			29.3	33.2		

QC Flag Legend

M - Compound response manually integrated.

10/27/10
AW

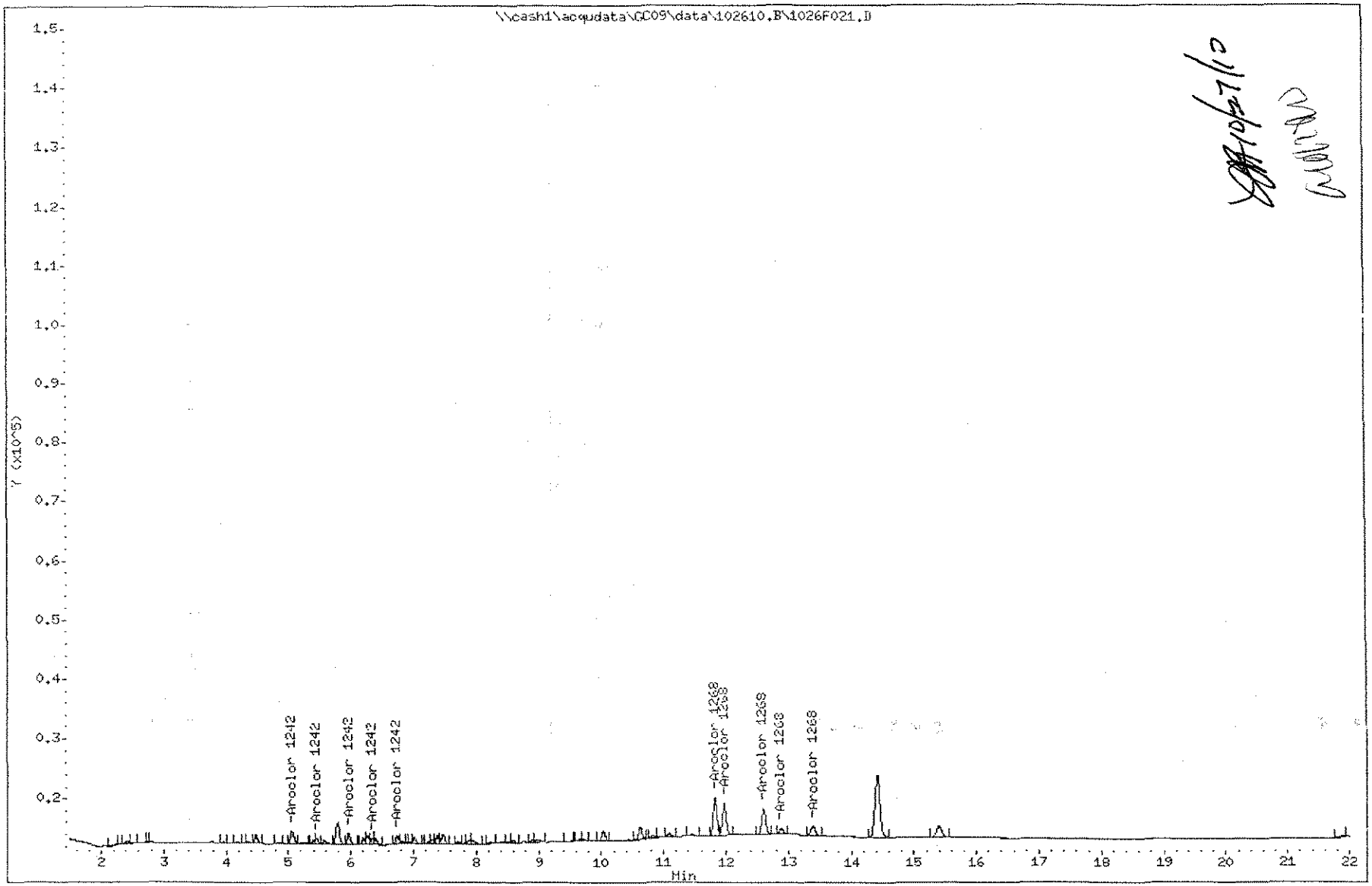
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F021.D
Date : 27-OCT-2010 08:02
Client ID:
Sample Info: 1242/1268 @ 25ppb | PCB5-63S

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



10/27/10

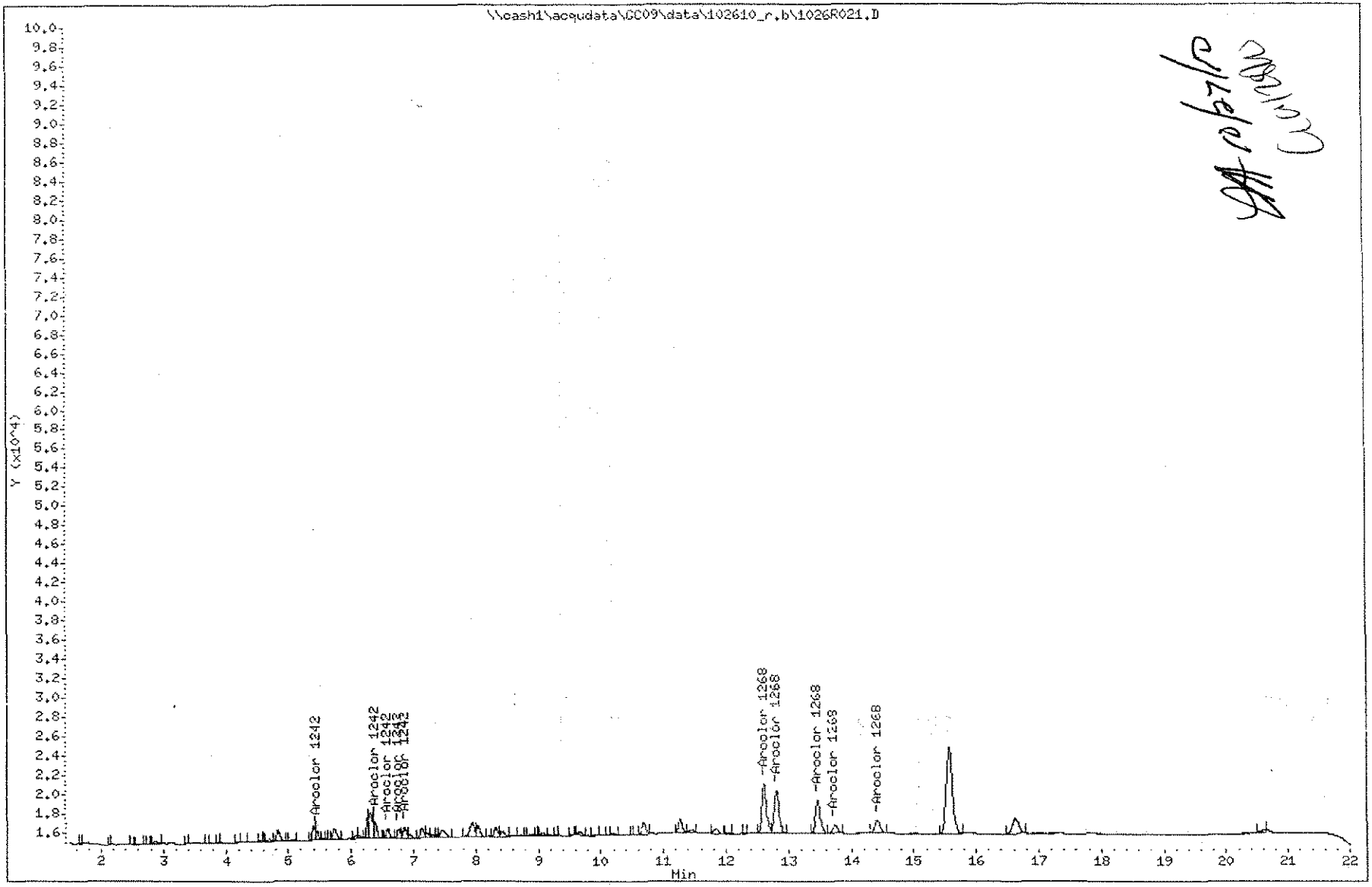
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R021.D
Date : 27-OCT-2010 08:02
Client ID:
Sample Info: 1242/1268 @ 25ppb | PCB5-63S

Instrument: GC09.i

Operator: LHarris

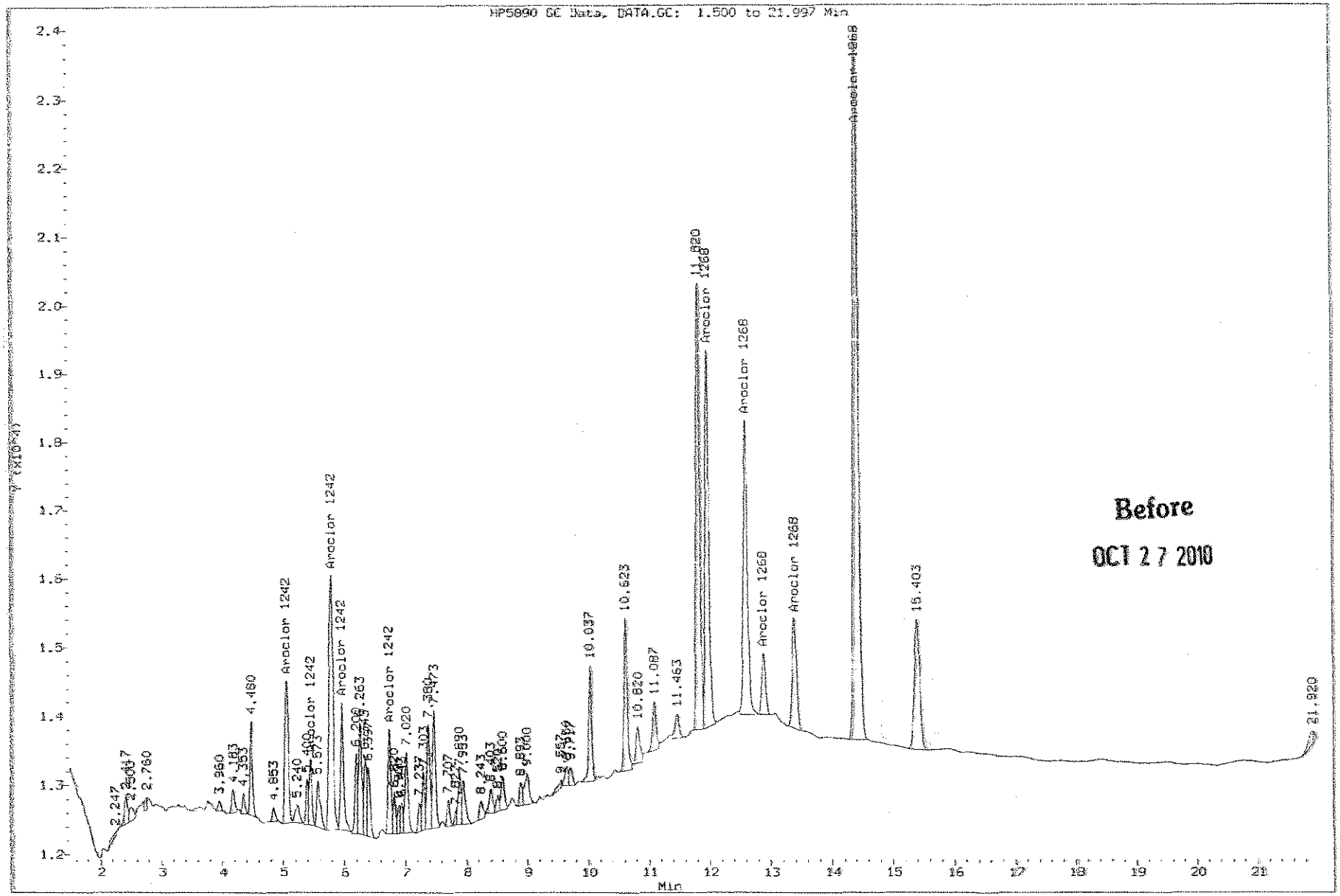
Column phase: DB-XLB

Column diameter: 0.53



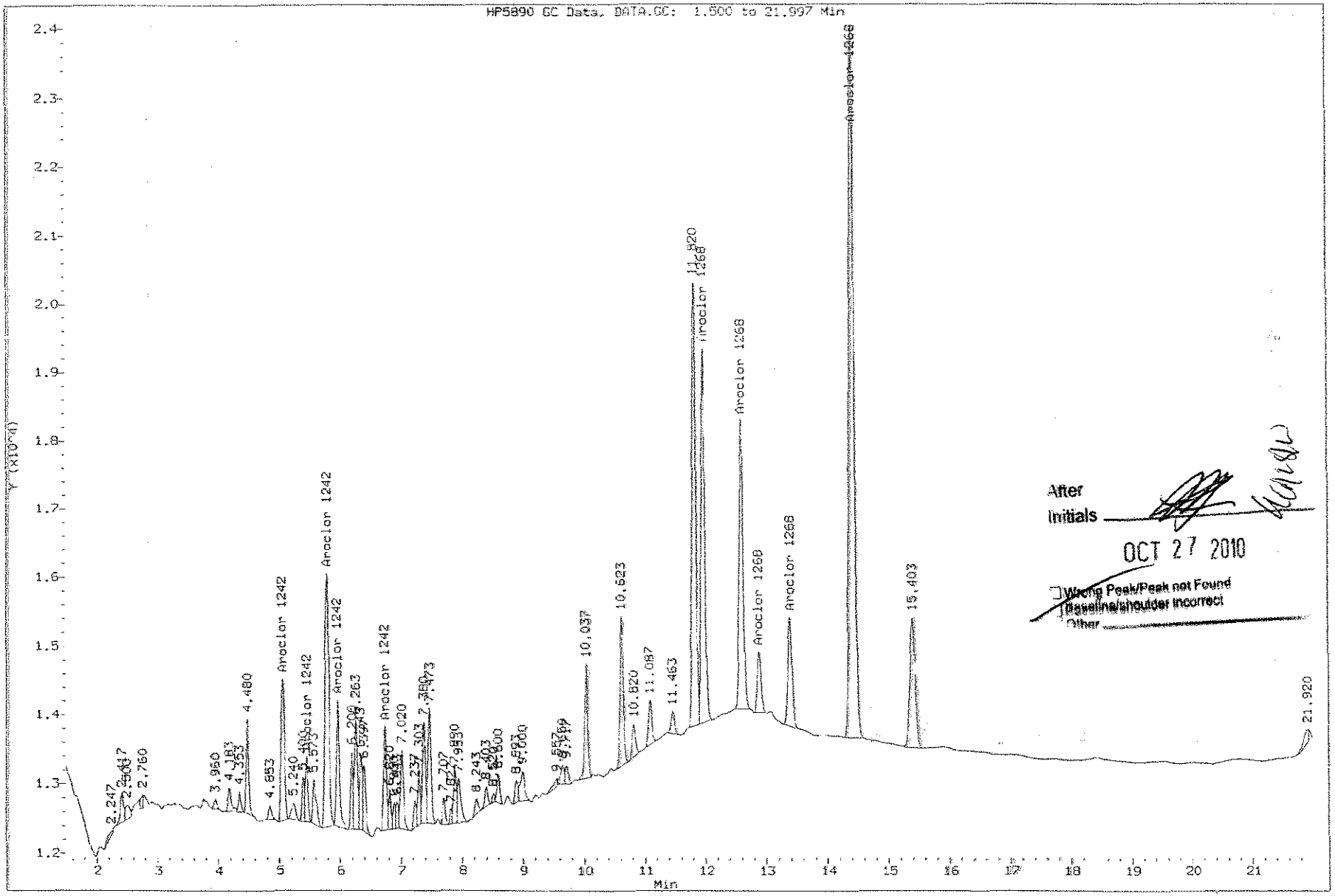
1292

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F021.D
Injection Date: 27-OCT-2010 08:02
Instrument: GC09.i
Client Sample ID:



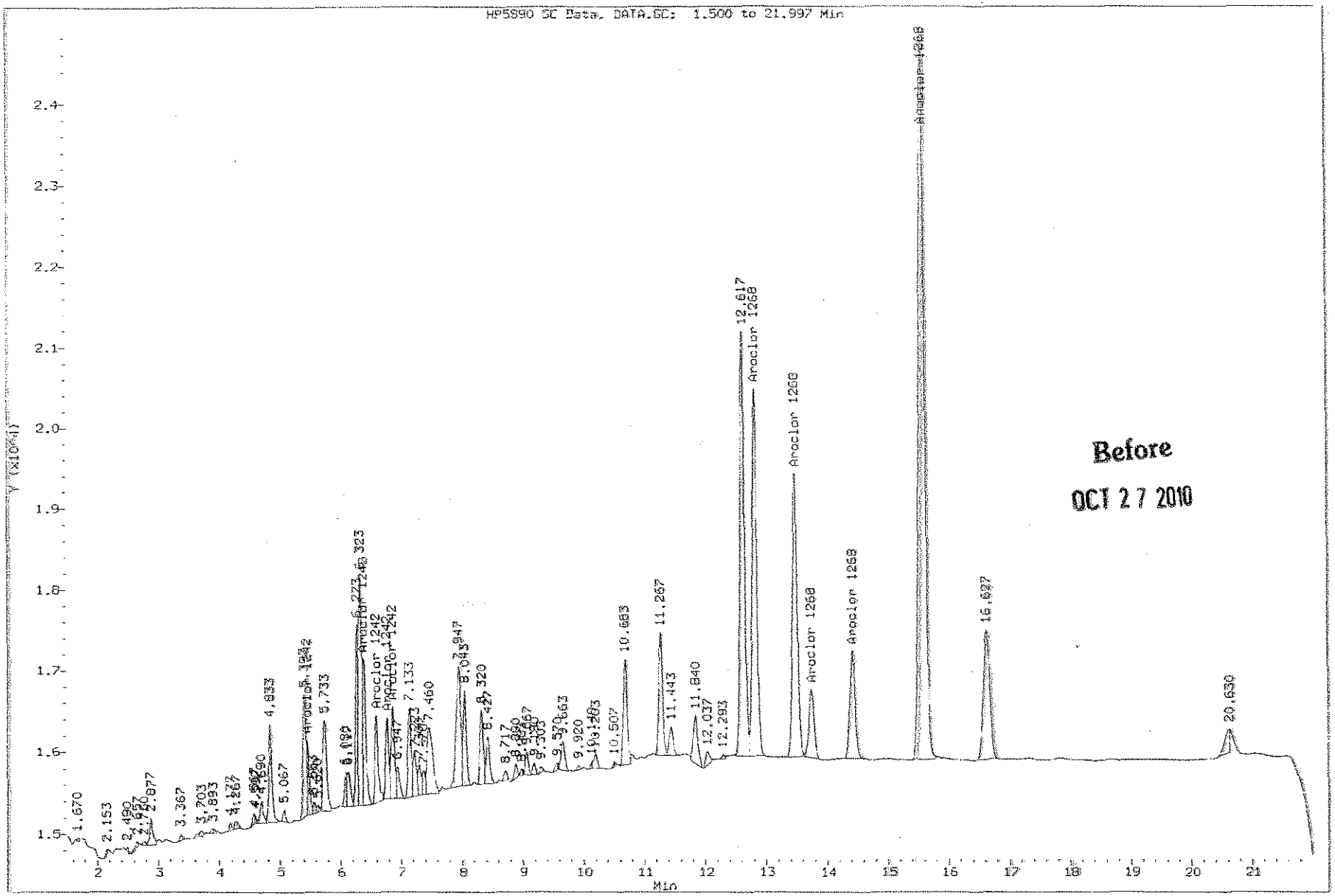
1293

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F021.D
Injection Date: 27-OCT-2010 08:02
Instrument: GC09.i
Client Sample ID:



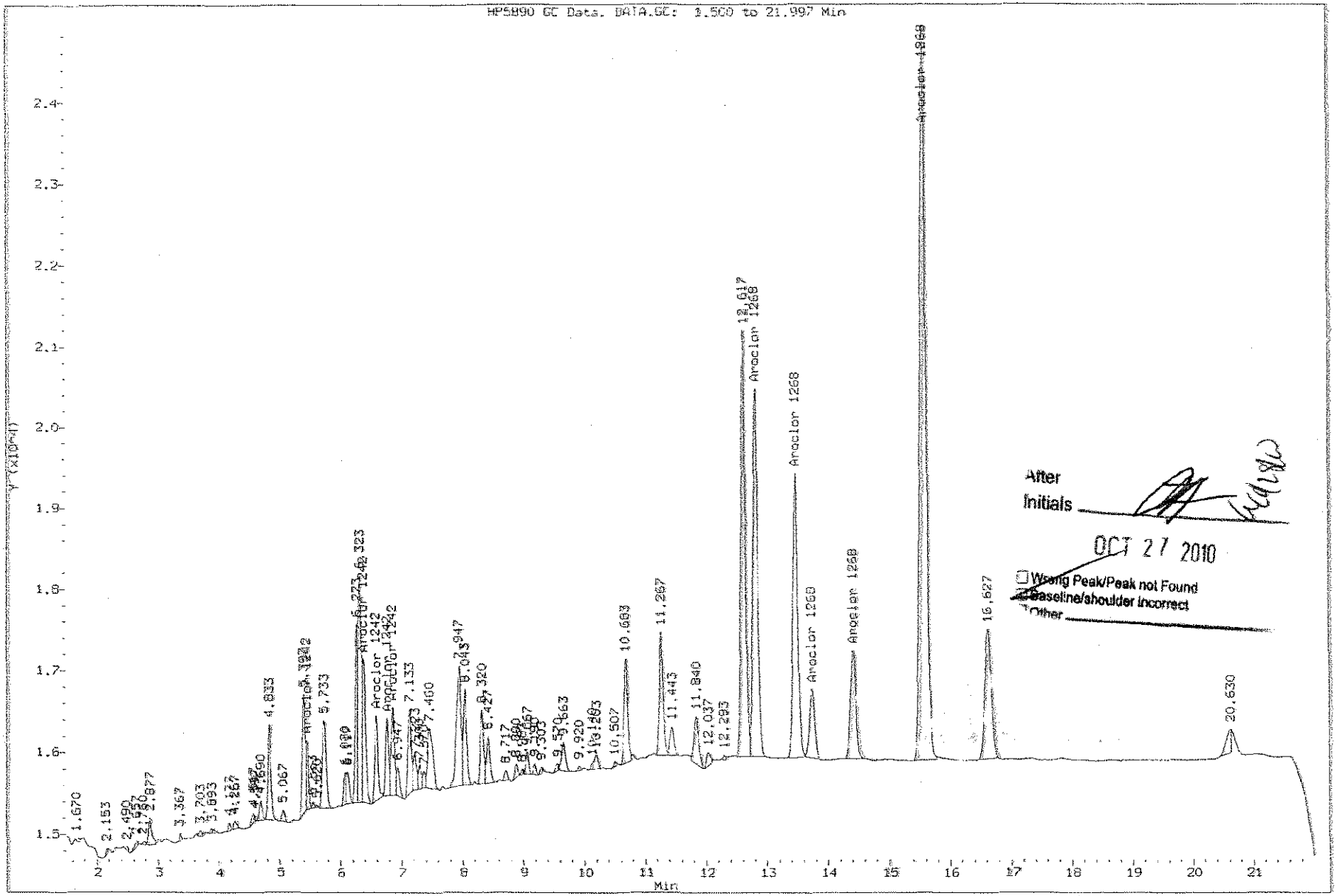
1294

Data File: \\cashl\acqudata\GC09\data\102610_r.b\10268021.D
Injection Date: 27-OCT-2010 08:02
Instrument: GC09.i
Client Sample ID:



1295

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R021.D
Injection Date: 27-OCT-2010 08:02
Instrument: GC09.i
Client Sample ID:



1296

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F022.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F022.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R022.D
Inj Date : 27-OCT-2010 08:29
Sample Info: 1242/1268 @ 50ppb | PCB5-63T
Misc Info :
Cal Date : 27-OCT-2010 12:44
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1242+1268.sub
Sub List #2 : 1242+1268.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.053	5.450	15983	5211	58.5	56.7	80.00- 120.00	100.00(M)
	5.453	6.380	6221	11403	56.9	59.3	31.14- 46.71	38.92(M)
	5.963	6.590	12373	7660	55.8	52.4	61.93- 92.90	77.41(M)
	6.343	6.767	6451	6570	55.1	58.0	32.29- 48.44	40.36(M)
	6.740	6.860	9596	8048	58.5	59.0	48.04- 72.05	60.04(M)
			Average of Peak Amounts =		57.0	57.1		
Aroclor 1268	11.820	12.617	51638	51525	59.1	64.2	80.00- 120.00	100.00
	11.970	12.817	46627	46154	60.6	67.5	72.24- 108.36	90.30
	12.600	13.470	37809	38166	60.7	104	58.58- 87.86	73.22
	12.883	13.737	8273	9949	53.9	41.5	12.82- 19.23	16.02
	13.387	14.410	15337	15781	56.2	13.5	23.76- 35.64	29.70
			Average of Peak Amounts =		58.1	58.1		

QC Flag Legend

M - Compound response manually integrated.

10/27/10

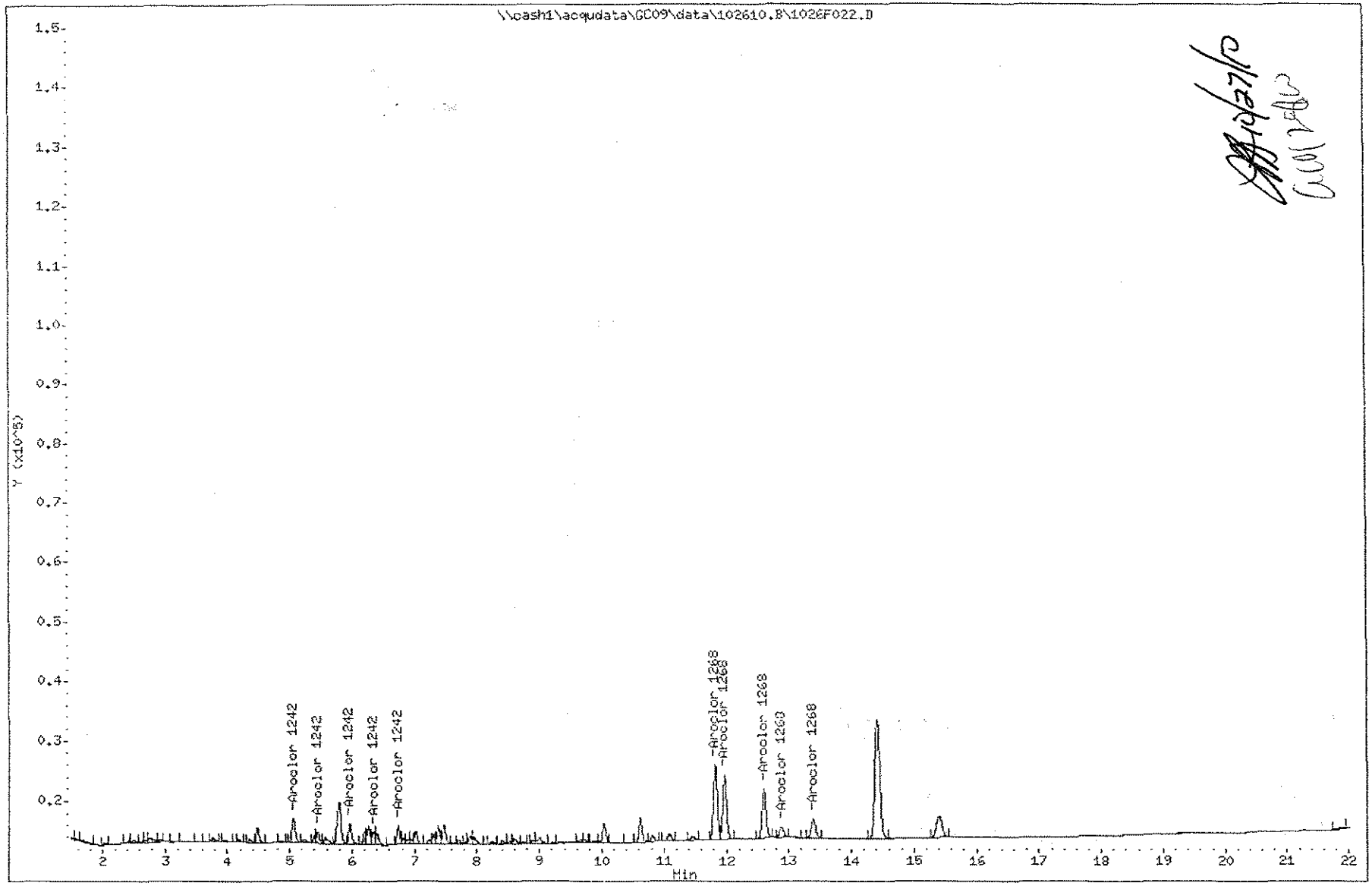
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F022.D
Date : 27-OCT-2010 08:29
Client ID:
Sample Info: 1242/1268 @ 50ppb | PCB5-63T

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



1298

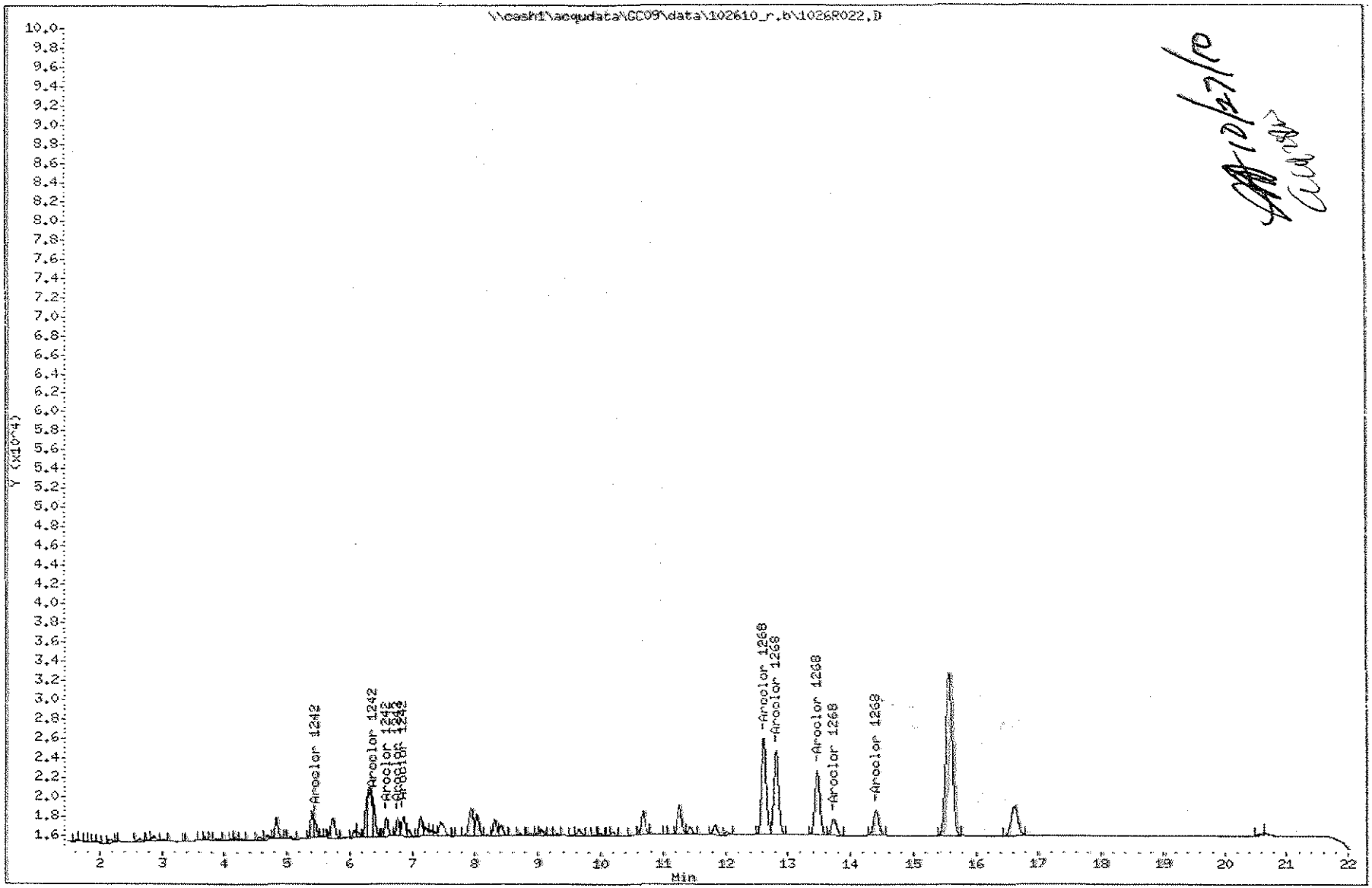
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R022.D
Date : 27-OCT-2010 08:29
Client ID:
Sample Info: 1242/1268 @ 50ppb ! PCB5-63T

Column phase: DB-XLB

Instrument: GC09.i

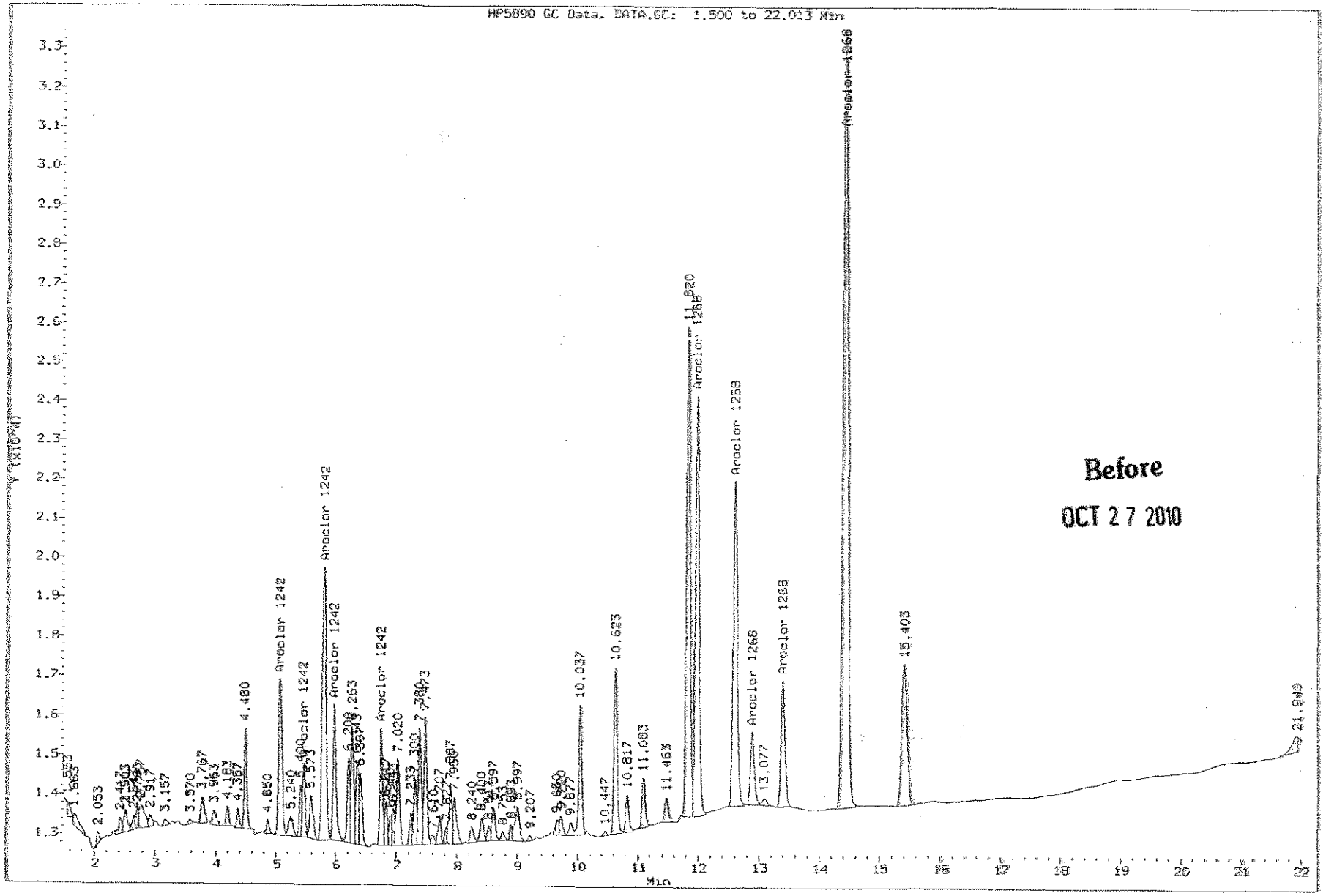
Operator: LHarris

Column diameter: 0.53



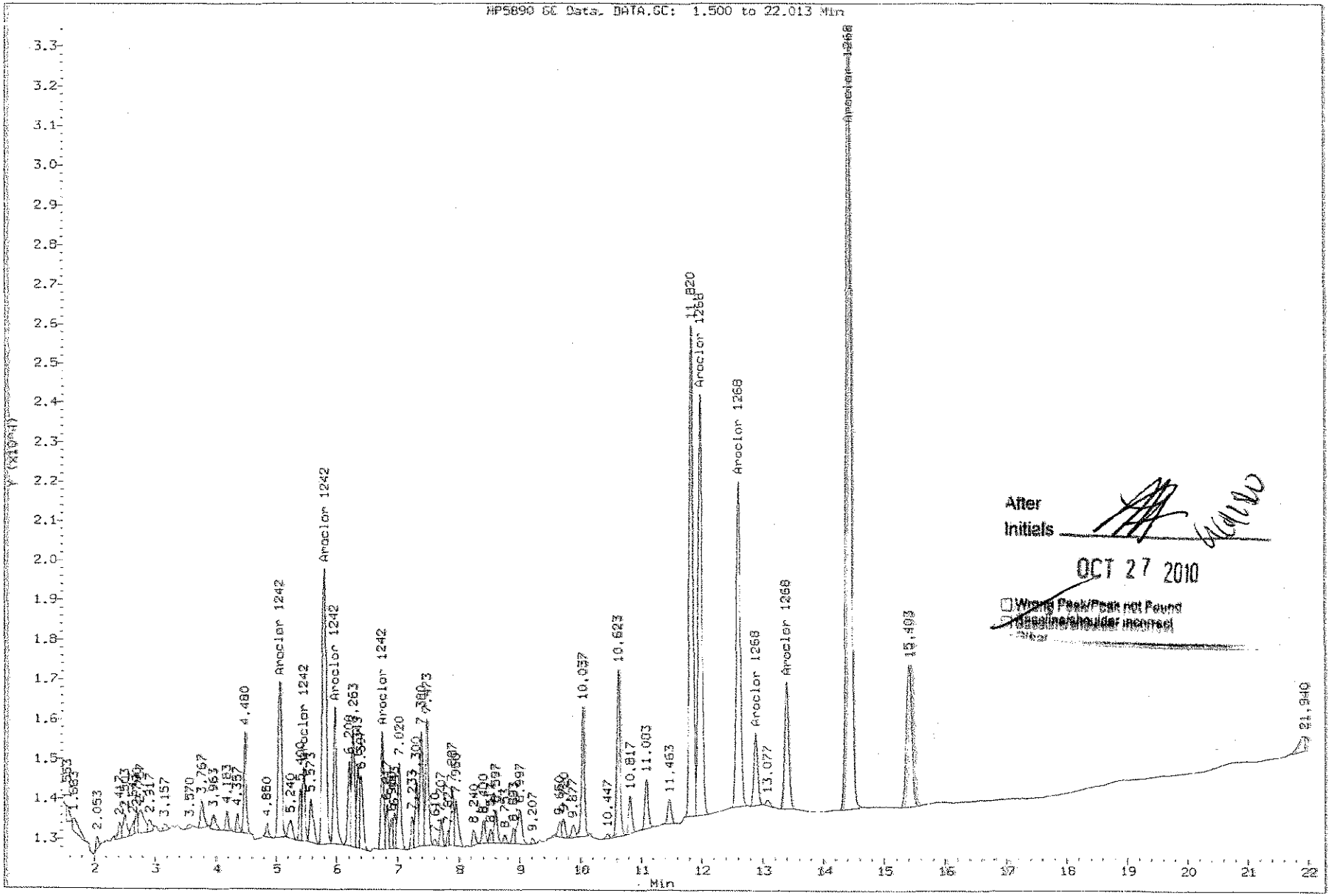
1299

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F022.D
Injection Date: 27-OCT-2010 08:29
Instrument: GC09.I
Client Sample ID:

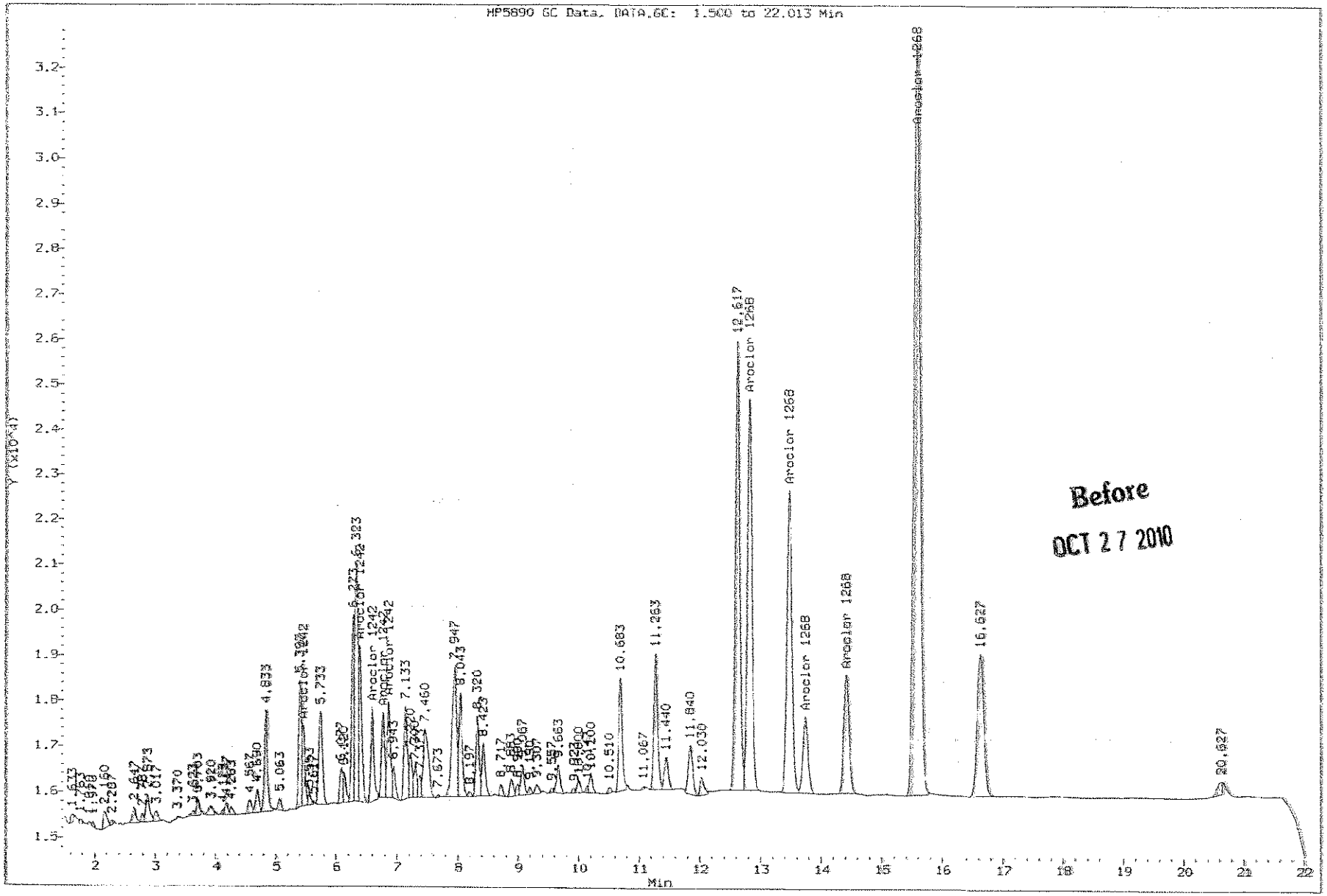


1300

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F022.D
Injection Date: 27-OCT-2010 08:29
Instrument: GC09.i
Client Sample ID:

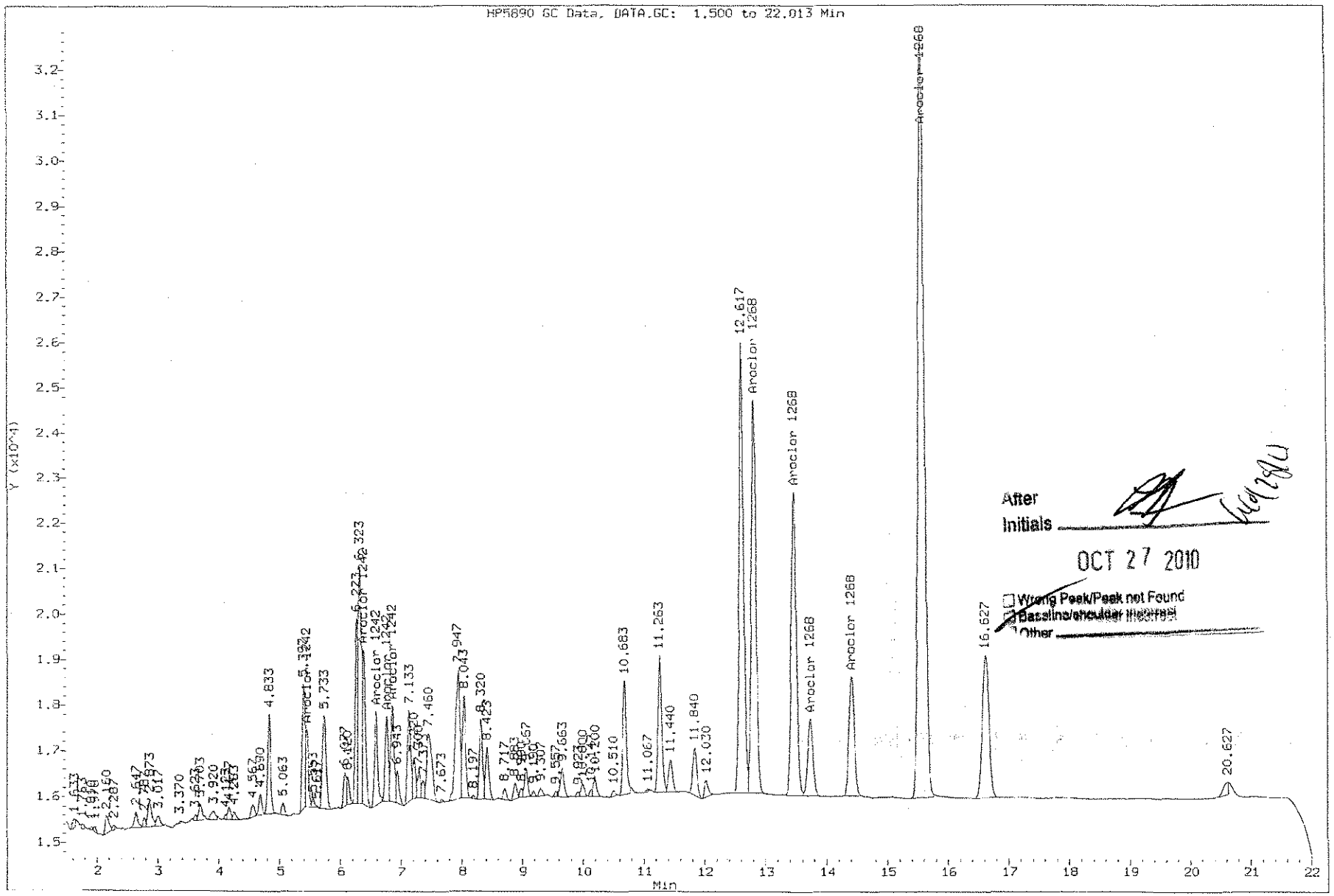


Data File: \\cash1\acqudata\GC09\data\102610_r.b\10268022.D
Injection Date: 27-OCT-2010 08:29
Instrument: GC09.i
Client Sample ID:



1302

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R022.D
Injection Date: 27-OCT-2010 08:29
Instrument: GC09.i
Client Sample ID:



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F023.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F023.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R023.D
Inj Date : 27-OCT-2010 08:56
Sample Info: 1242/1268 @ 500ppb | PCB5-63U
Misc Info :
Cal Date : 27-OCT-2010 12:44
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1242+1268.sub
Sub List #2 : 1242+1268.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.053	5.460	132449	51758	484	564	80.00- 120.00	100.00
	5.453	6.377	53637	97216	490	505	31.14- 46.71	40.50
	5.963	6.587	106640	78682	337	538	61.93- 92.90	80.51
	6.343	6.763	59134	60293	376	532	32.29- 48.44	44.65
	6.737	5.860	79741	70675	482	518	48.04- 72.05	60.21
			Average of Peak Amounts =		434	531		
Aroclor 1268	11.820	12.613	408478	412511	476	508	80.00- 120.00	100.00
	11.970	12.813	383391	385489	542	545	72.24- 108.36	93.86
	12.597	13.470	311619	316573	722	715	58.58- 87.86	76.29
	12.880	13.737	82149	91521	401	412	12.82- 19.23	20.11
	13.387	14.410	140010	143536	160	158	23.76- 35.64	34.28
			Average of Peak Amounts =		460	468		

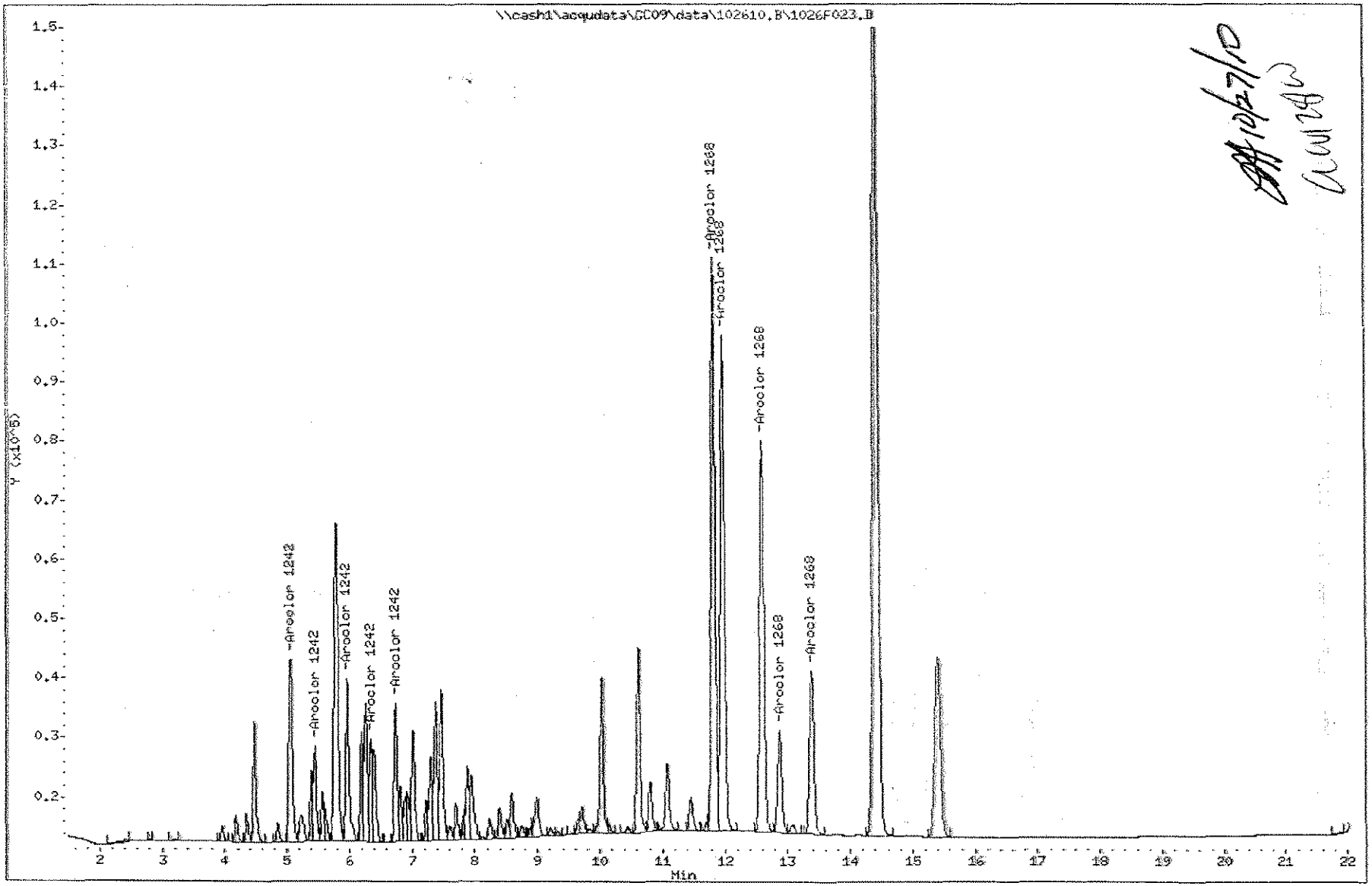
10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F023.B
Date : 27-OCT-2010 08:56
Client ID:
Sample Info: 1242/1268 @ 500ppb | PCB5-63U

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



1305

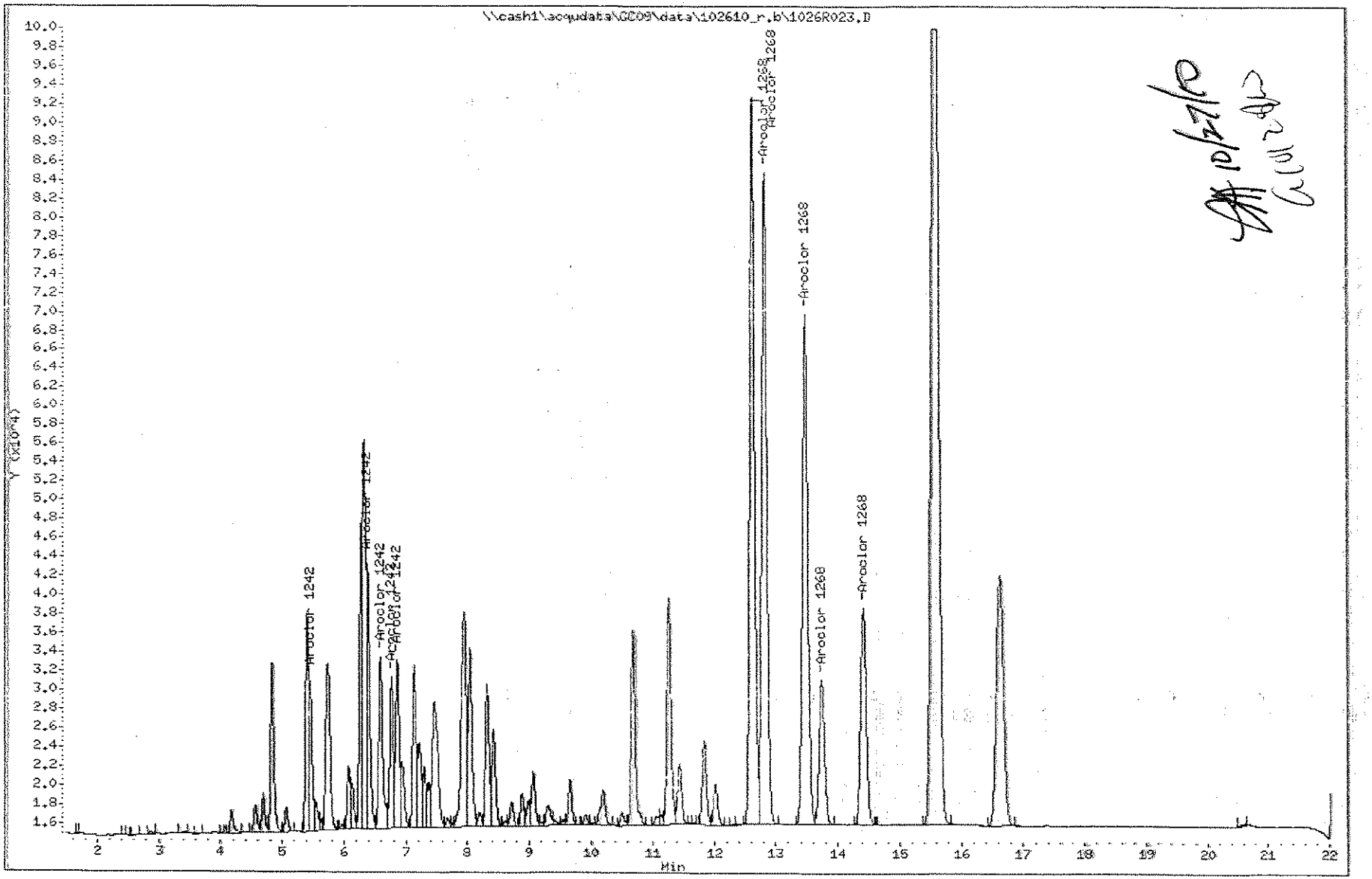
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R023.D
Date : 27-OCT-2010 08:56
Client ID:
Sample Info: 1242/1268 @ 500ppb | PCB5-63U

Instrument: GC09.i

Operator: LHarris

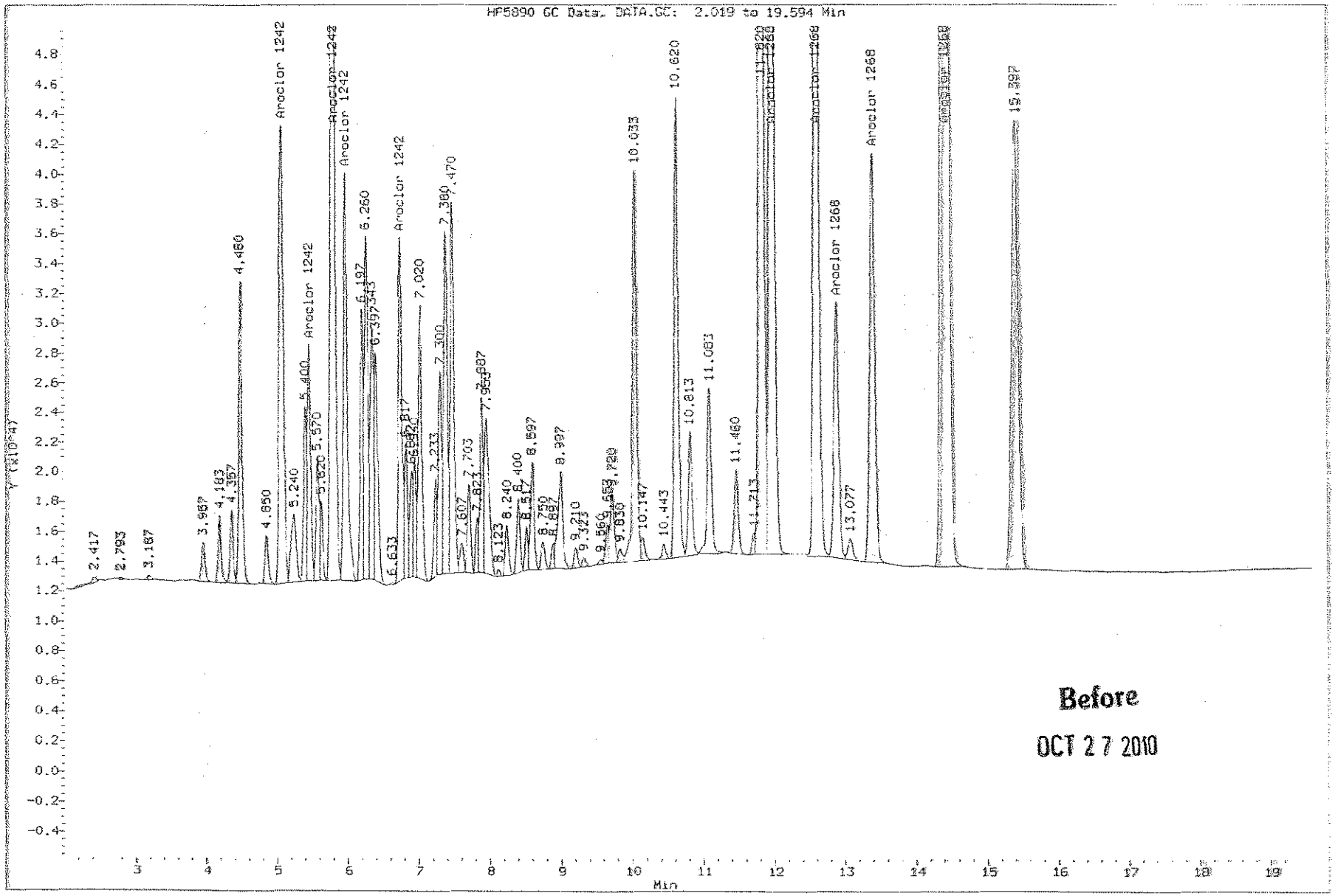
Column phase: DB-XLB

Column diameter: 0.53

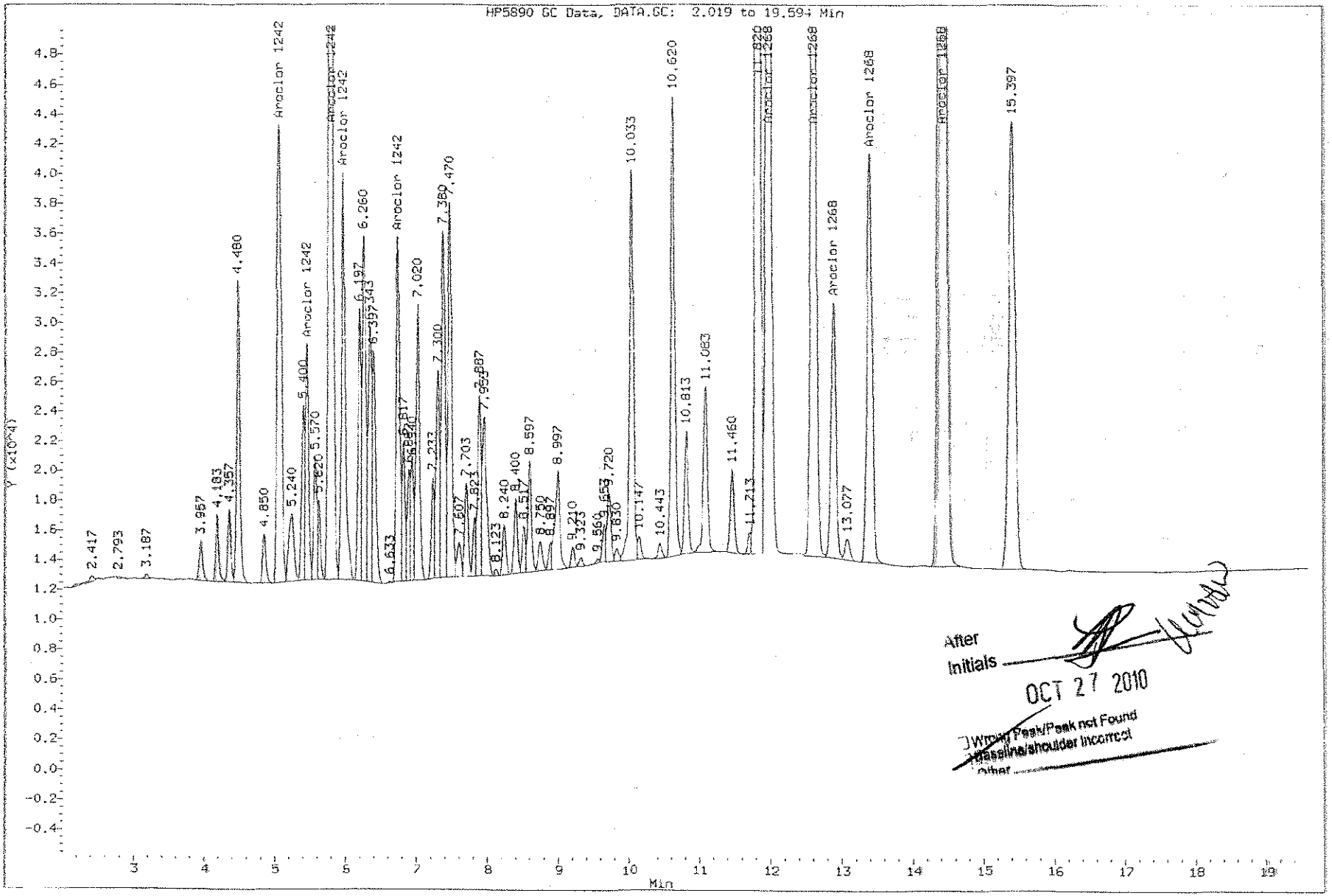


1306

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F023.D
Injection Date: 27-OCT-2010 08:56
Instrument: GC09.i
Client Sample ID:



Data File: \\cash1\accudata\GC09\data\102610.B\1026F023.D
Injection Date: 27-OCT-2010 08:56
Instrument: GC09.i
Client Sample ID:



After
Initials
OCT 27 2010
Wrong Peak/Peak not Found
Baseline/shoulder Incorrect
Other

1308

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F024.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F024.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R024.D
Inj Date : 27-OCT-2010 09:22
Sample Info : 1242/1268 @ 1000ppb | PCB5-64A
Misc Info :
Cal Date : 27-OCT-2010 12:44
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1242+1268.sub
Sub List #2 : 1242+1268.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.053	5.450	239626	92425	877	1010	80.00- 120.00	100.00
	5.453	6.377	102816	183967	940	956	31.14- 46.71	42.91
	5.963	6.587	201372	152003	756	1040	61.93- 92.90	84.04
	6.343	6.763	104027	112327	754	992	32.29- 48.44	43.41
	6.740	6.860	146020	131889	882	967	48.04- 72.05	60.94
		Average of Peak Amounts =			842	993		
Aroclor 1268	11.817	12.613	757109	757249	874	925	80.00- 120.00	100.00
	11.967	12.813	715338	713161	980	979	72.24- 108.36	94.48
	12.597	13.470	578855	584926	1150	1140	58.58- 87.86	76.46
	12.880	13.737	157220	174254	844	847	12.82- 19.23	20.77
	13.387	14.413	267872	272649	411	406	23.76- 35.64	35.38
		Average of Peak Amounts =			852	859		

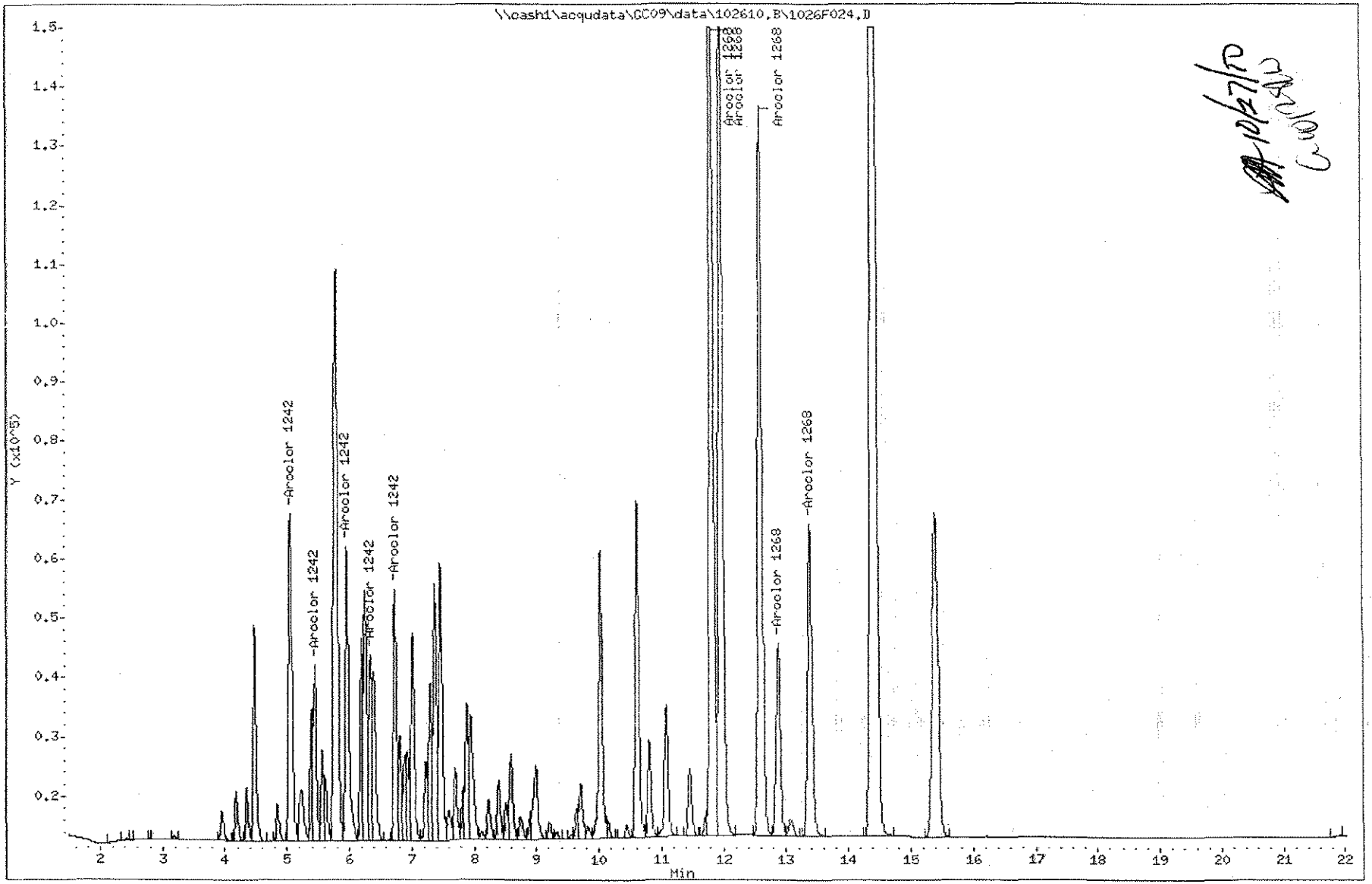
10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F024.D
Date : 27-OCT-2010 09:22
Client ID:
Sample Info: 1242/1268 @ 1000ppb | PCB5-64A

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



1310

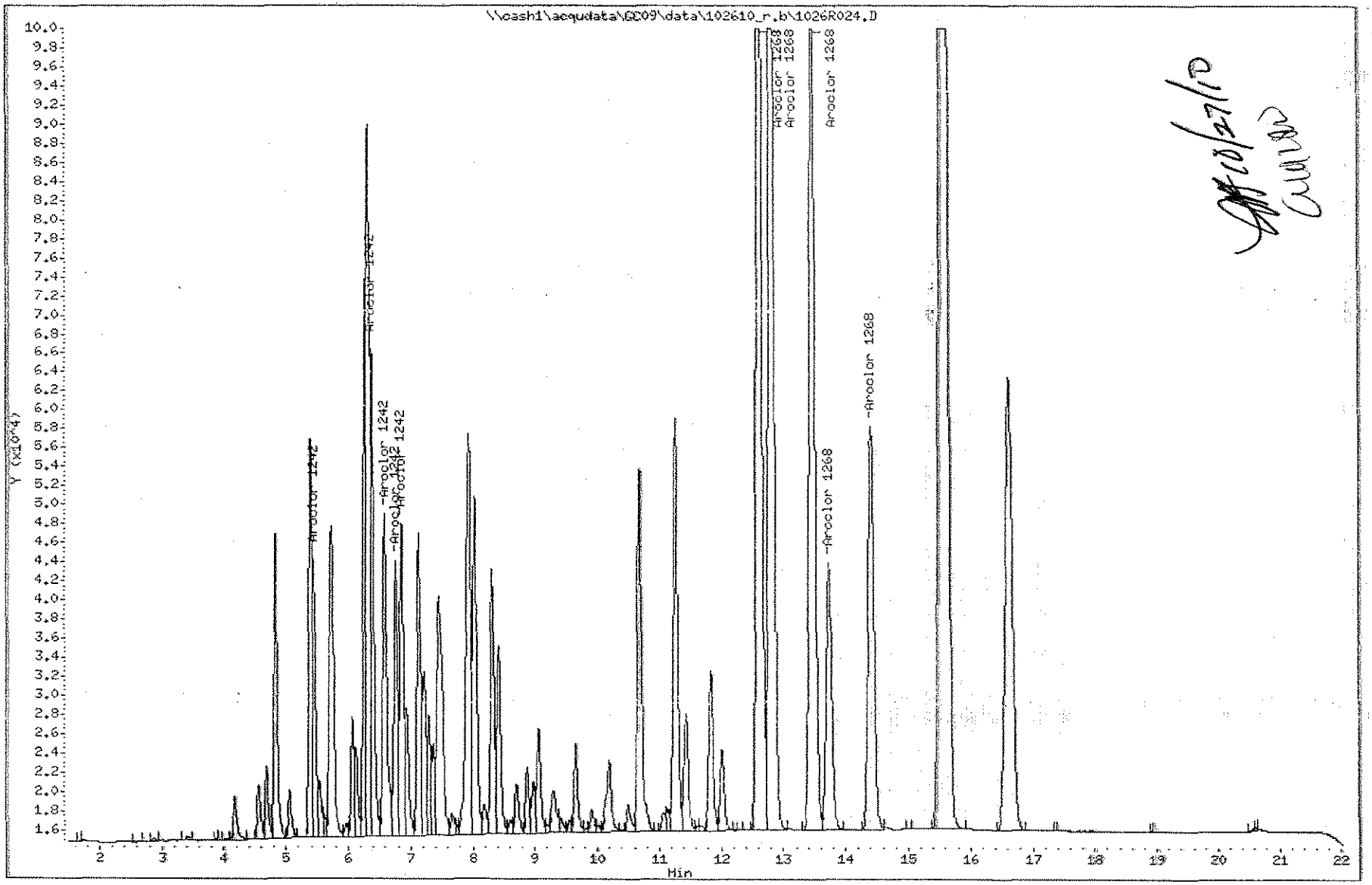
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R024.D
Date : 27-OCT-2010 09:22
Client ID:
Sample Info: 1242/1268 @ 1000ppb | PCB5-64A

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1311

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F025.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F025.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R025.D
Inj Date : 27-OCT-2010 09:49
Sample Info: 1242/1268 @ 2000ppb | PCB5-64B
Misc Info :
Cal Date : 27-OCT-2010 12:44
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1242+1268.sub
Sub List #2 : 1242+1268.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.053	5.447	424863	173144	1550	1880	80.00- 120.00	100.00
	5.453	6.377	184337	325027	1680	1690	31.14- 46.71	43.39
	5.963	6.587	360956	278762	1630	1910	61.93- 92.90	84.96
	6.343	6.763	177848	201044	1490	1770	32.29- 48.44	41.86
	6.737	6.863	260651	237285	1570	1740	48.04- 72.05	61.35
		Average of Peak Amounts =			1580	1800		
Aroclor 1268	11.817	12.610	1391247	1383248	1590	1570	80.00- 120.00	100.00
	11.967	12.813	1315439	1299946	1750	1740	72.24- 108.36	94.55
	12.597	13.470	1063473	1069450	1880	1860	58.58- 87.86	76.44
	12.880	13.733	294246	323710	1740	1700	12.62- 19.23	21.15
	13.387	14.410	499973	504052	1110	1090	23.76- 35.64	35.94
		Average of Peak Amounts =			1610	1610		

10/27/10
ACH2RL

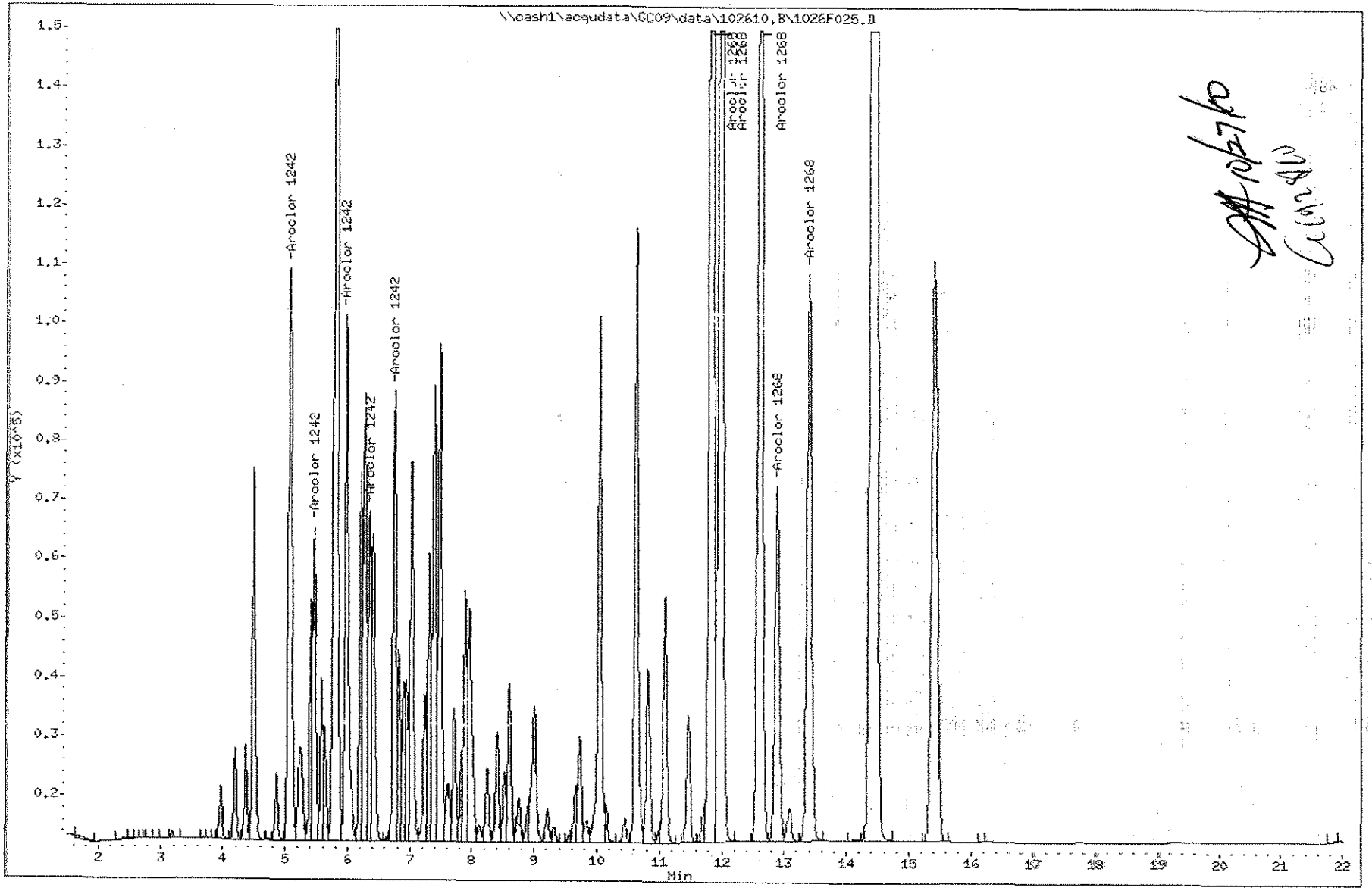
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F025.D
Date : 27-OCT-2010 09:49
Client ID:
Sample Info: 1242/1268 @ 2000ppb | PCB5-64B

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

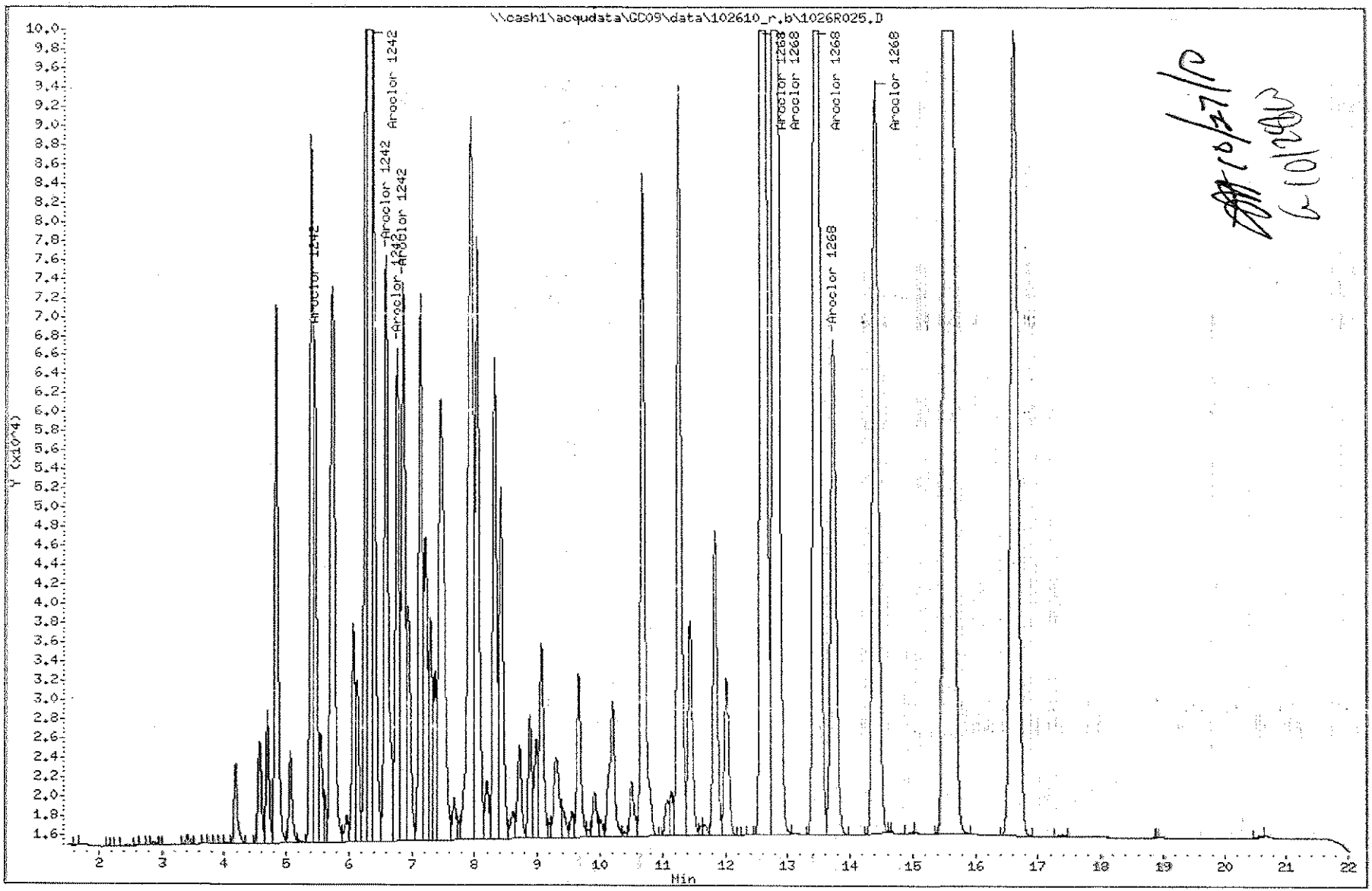
Column diameter: 0.53



1313

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R025.D
Date : 27-OCT-2010 09:49
Client ID:
Sample Info: 1242/1268 @ 2000ppb | PCB5-64B

Instrument: GC09.i
Operator: LHarris
Column phase: DB-XLB
Column diameter: 0.53



1314

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F026.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F026.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R026.D
Inj Date : 27-OCT-2010 10:15
Sample Info: 1242/1268 @ 5000ppb | PCB5-64C
Misc Info :
Cal Date : 27-OCT-2010 12:44
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : 1242+1268.sub
Sub List #2 : 1242+1268.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.053	5.447	889540	370187	3250	4030	80.00- 120.00	100.00
	5.450	5.377	394912	696340	3610	3620	31.14- 46.71	44.40
	5.963	6.587	772336	610654	3480	4180	61.93- 92.90	86.82
	6.343	6.763	381719	422214	3190	3730	32.29- 48.44	42.91
	6.737	6.860	564500	512187	3410	3750	48.04- 72.05	63.46
			Average of Peak Amounts =		3390	3860		
Aroclor 1268	11.817	12.610	3102095	3060168	3550	3680	80.00- 120.00	100.00
	11.967	12.813	2912887	2881164	3780	3770	72.24- 108.36	93.90
	12.597	13.467	2356830	2364270	3780	3760	58.58- 87.86	75.98
	12.877	13.733	653176	724573	4250	4090	12.82 - 19.23	21.06
	13.387	14.410	1119425	1133667	4100	4060	23.76- 35.64	36.09
			Average of Peak Amounts =		3890	3870		

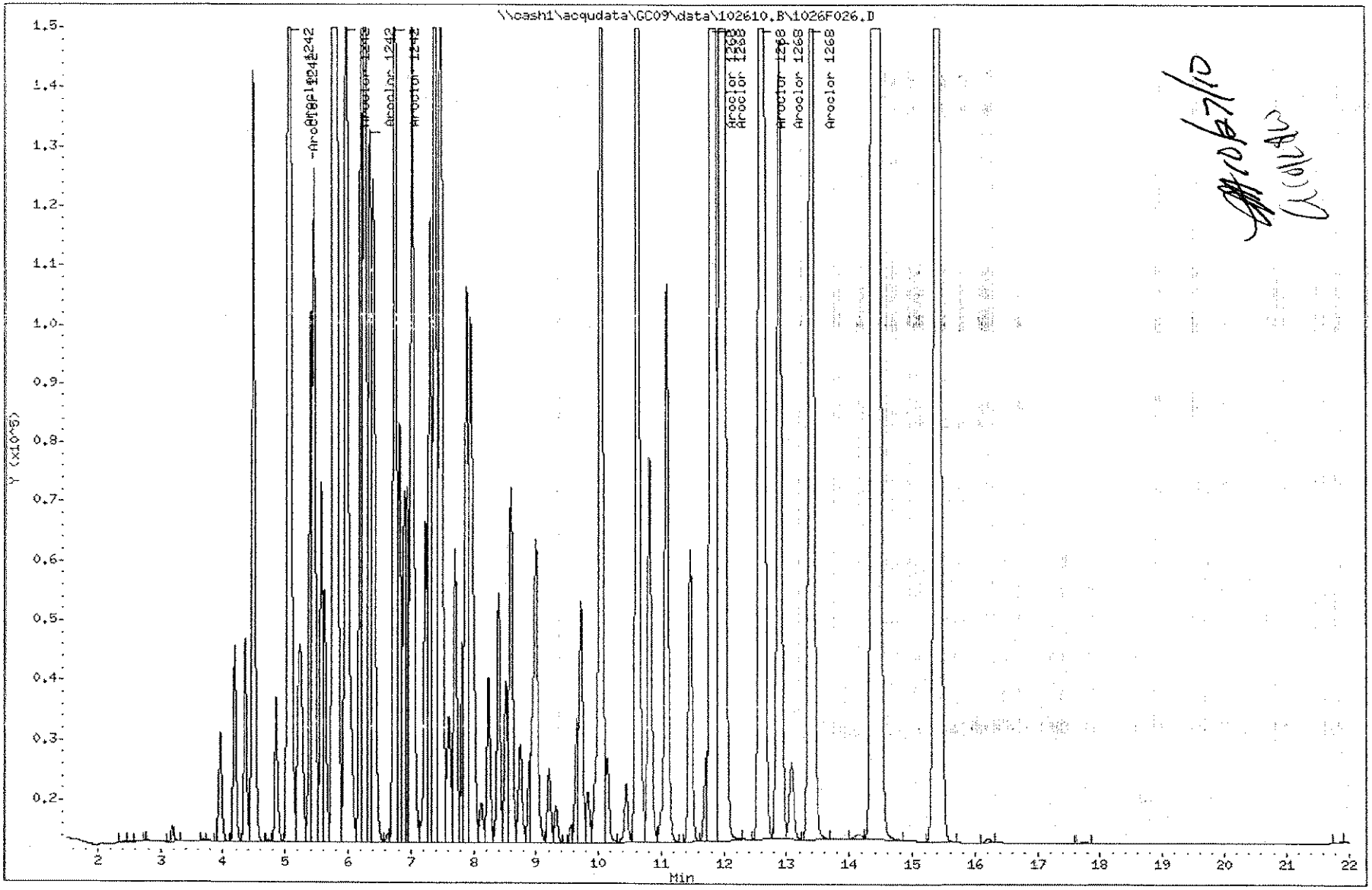
10/27/10
LCOMPLETE

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F026.D
Date : 27-OCT-2010 10:15
Client ID:
Sample Info: 1242/1268 @ 5000ppb | PCB5-64C

Column phase: DB-35MS

Instrument: GC09.i

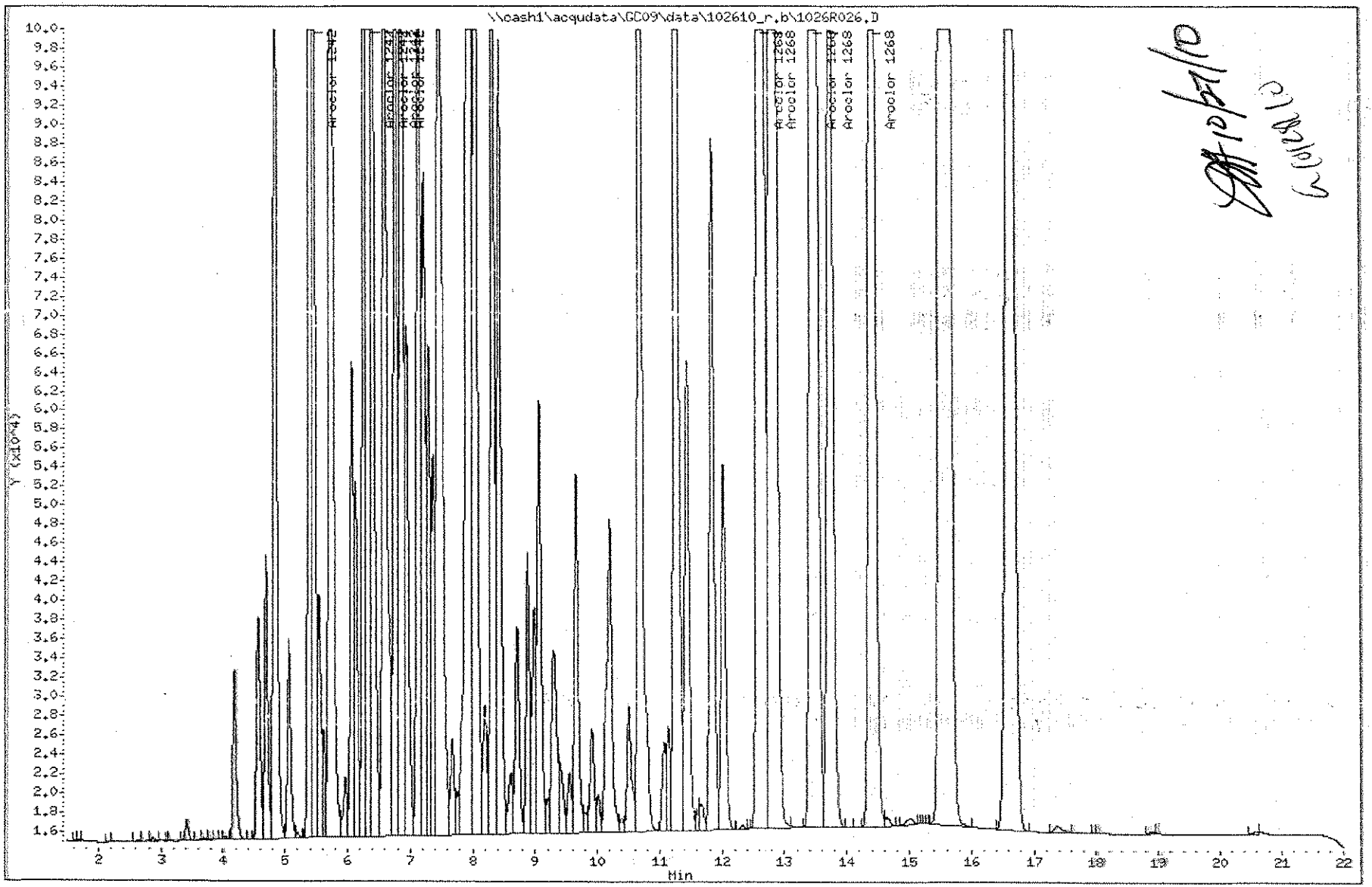
Operator: LHarris
Column diameter: 0.53



1316

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R026.D
Date : 27-OCT-2010 10:15
Client ID:
Sample Info: 1242/1268 @ 5000ppb | PCB5-64C

Instrument: GC09.i
Operator: LHarris
Column phase: DB-XLB
Column diameter: 0.53



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F027.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F027.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R027.D
Inj Date : 27-OCT-2010 10:42
Sample Info: 1248 @ 25ppb | PCB5-64D
Misc Info :
Cal Date : 27-OCT-2010 13:49
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

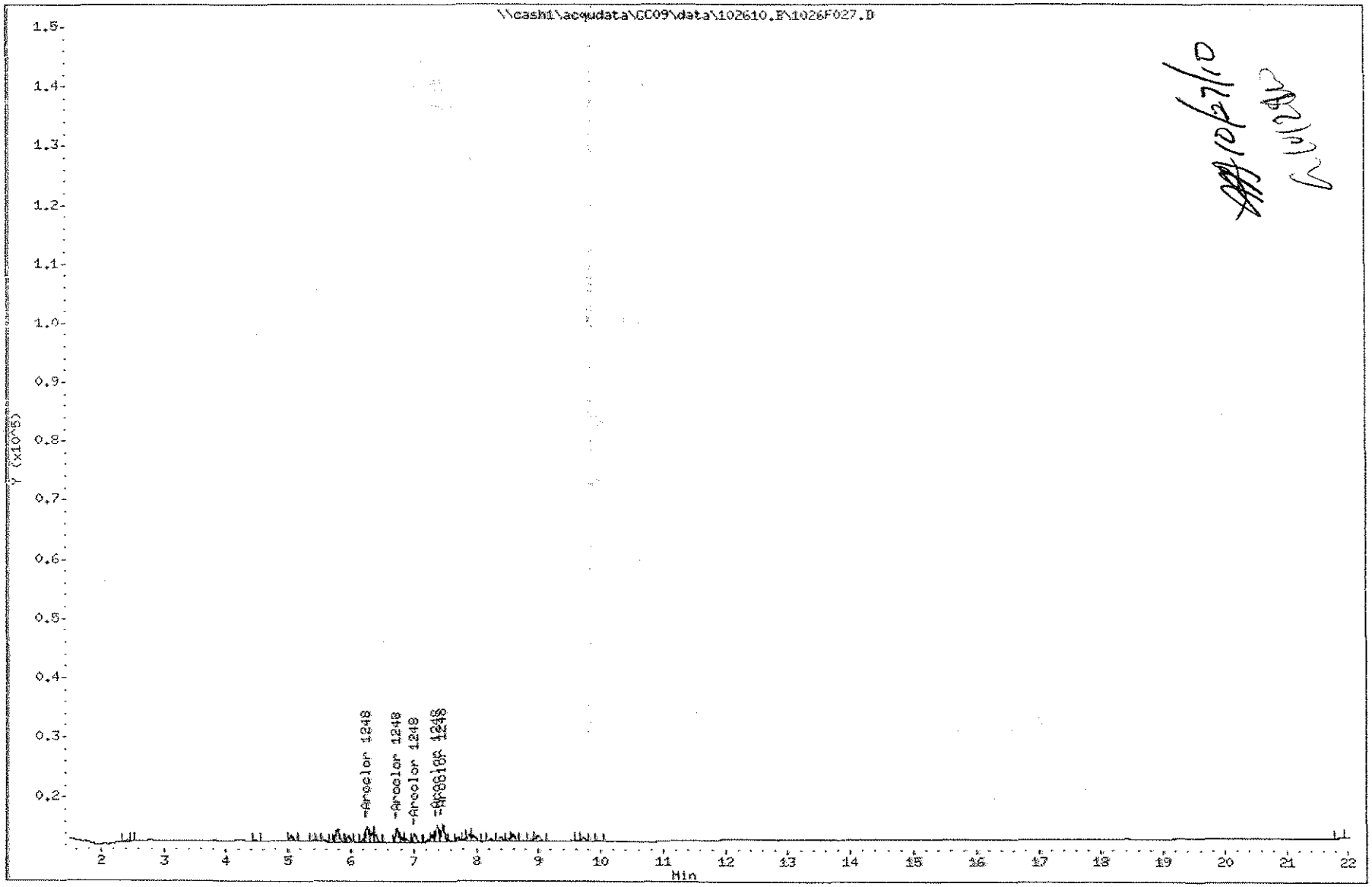
Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.263	6.860	8981	6496	33.9	30.8	80.00- 120.00	100.00
	6.740	7.130	7911	6795	32.4	30.2	70.47- 105.71	88.09
	7.017	7.943	5883	14616	30.5	31.4	52.40- 78.60	65.50
	7.380	8.040	9198	7944	31.9	29.0	81.94- 122.90	102.42
	7.470	8.320	10813	7233	32.4	30.0	96.32- 144.48	120.40
			Average of Peak Amounts =		32.2	30.3		

10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.F\1026F027.D
Date : 27-OCT-2010 10:42
Client ID:
Sample Info: 1248 @ 25ppb ! PCB5-64D

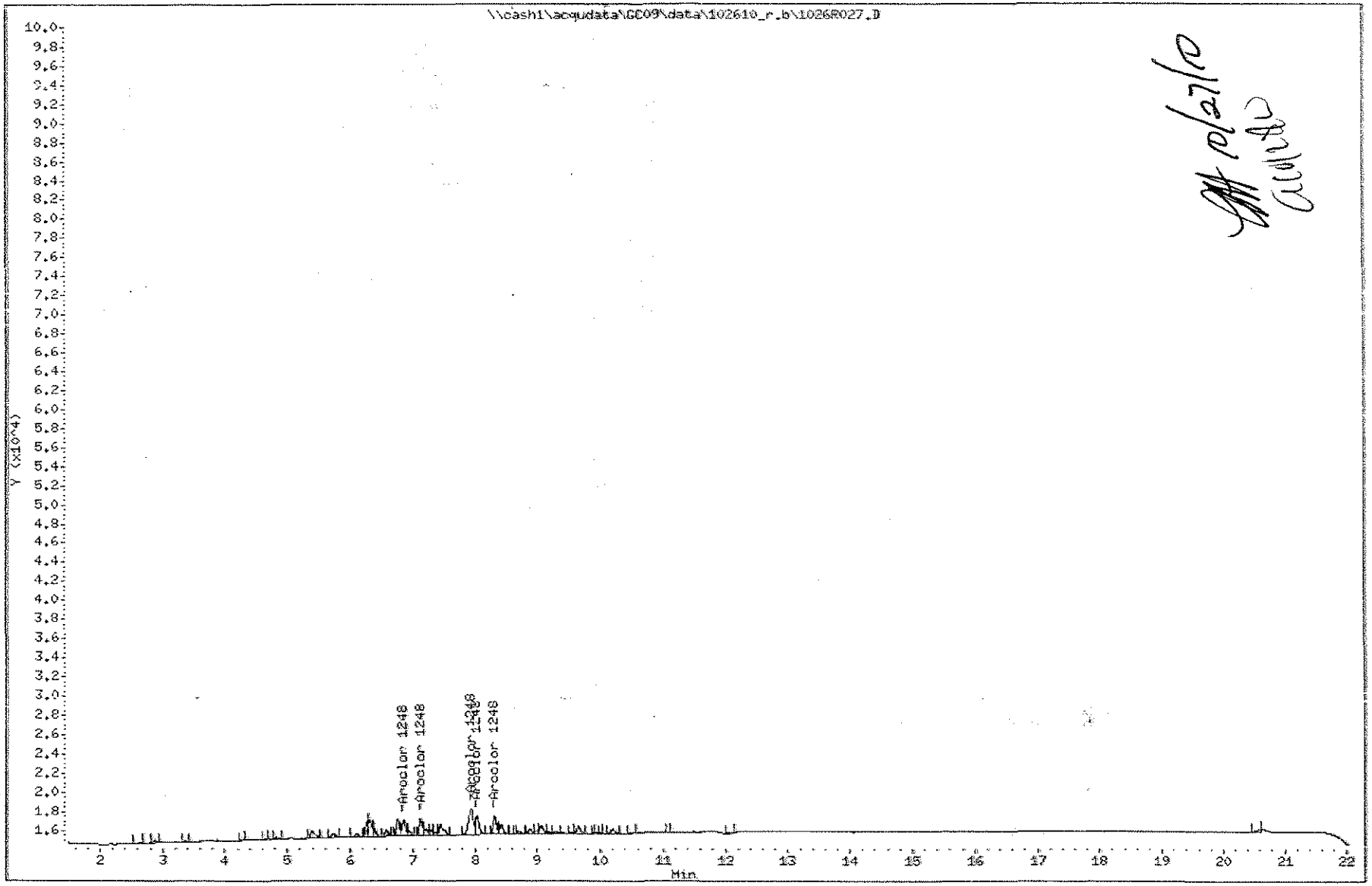
Instrument: GC09.i
Operator: LHarris
Column phase: DB-35MS
Column diameter: 0.53



01/29/2010

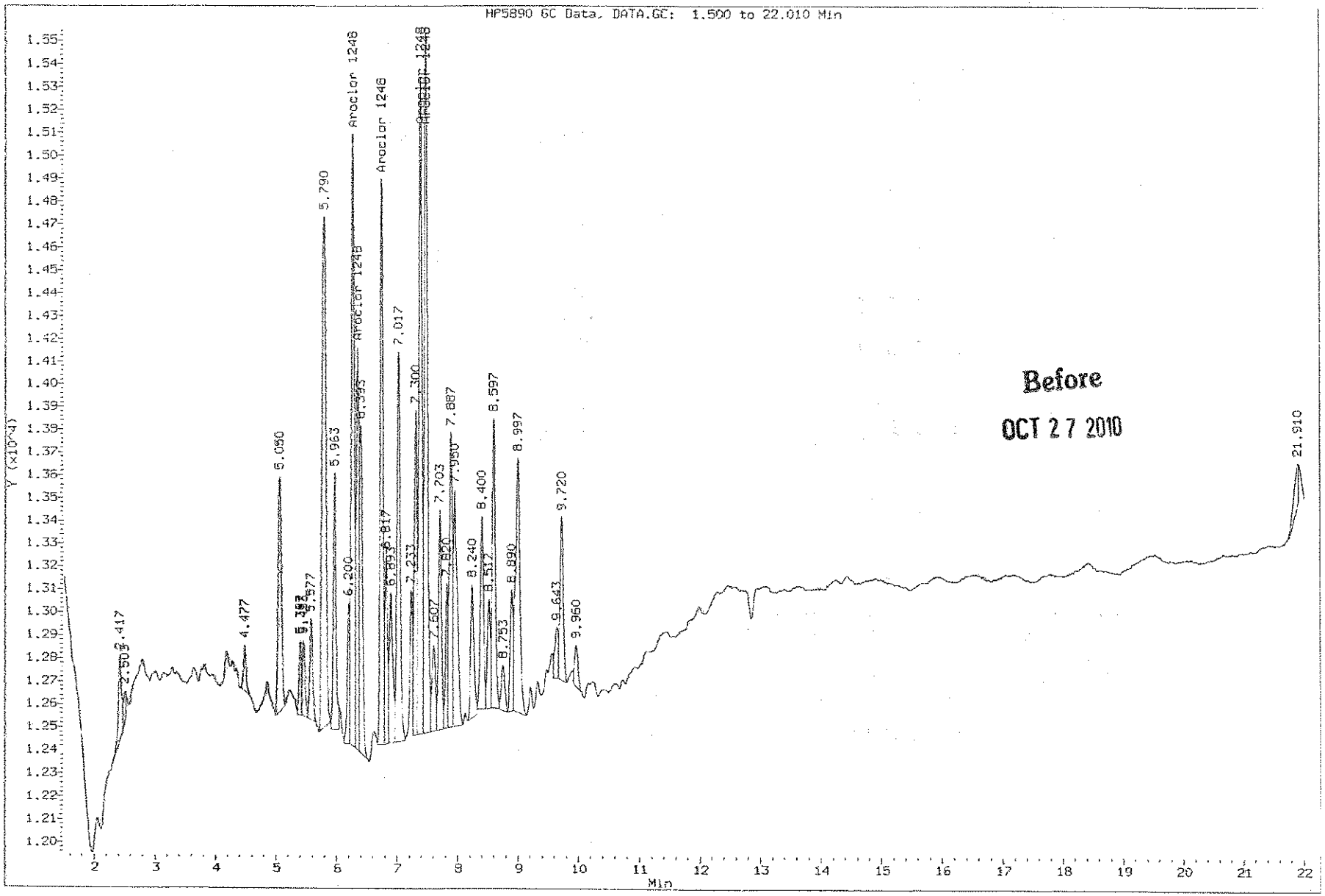
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R027.D
Date : 27-OCT-2010 10:42
Client ID:
Sample Info: 1248 @ 25ppb ; PCB5-64D

Instrument: GC09.i
Operator: LHarris
Column phase: DB-XLB
Column diameter: 0.53



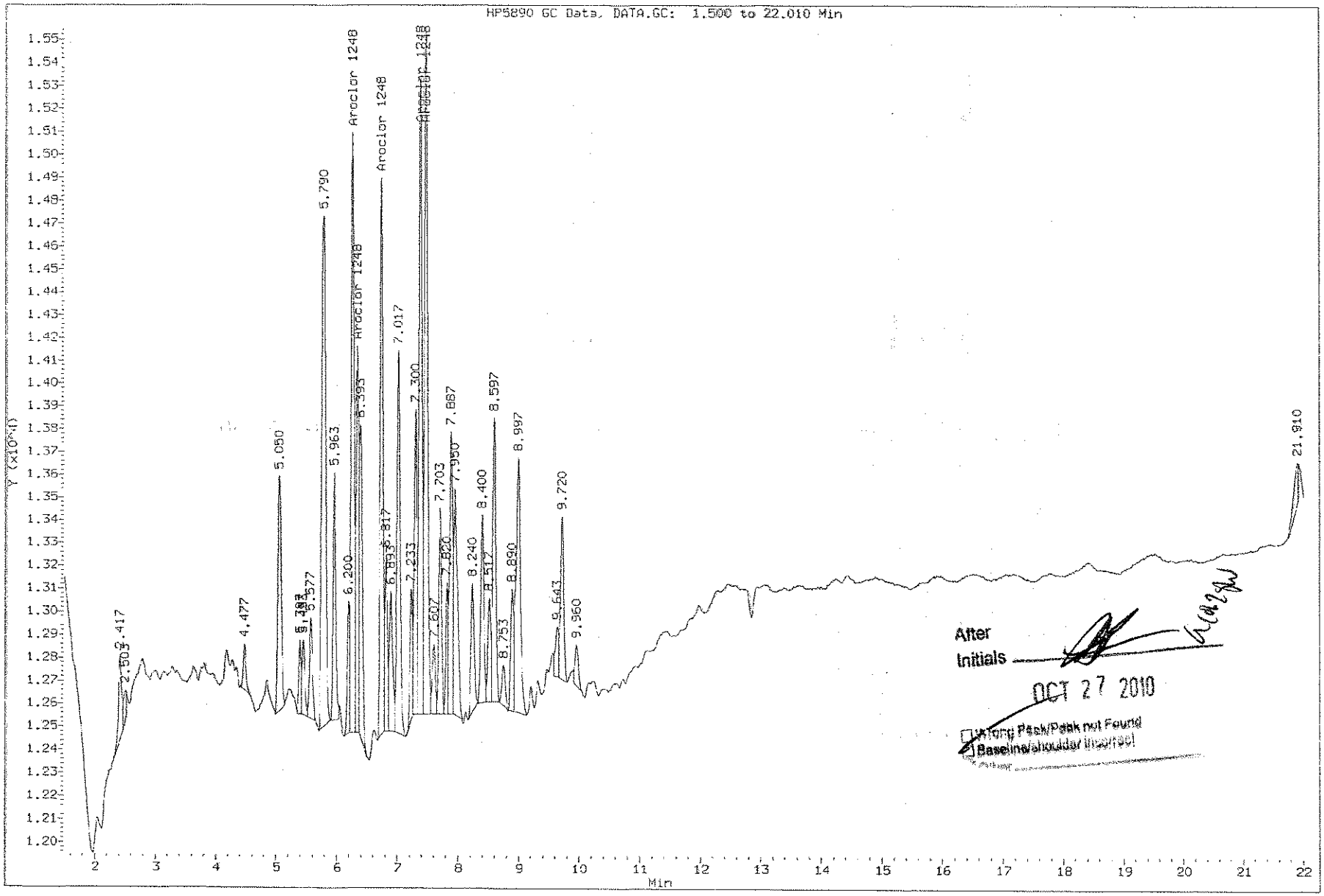
1320

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F027.D
Injection Date: 27-OCT-2010 10:42
Instrument: GC09.i
Client Sample ID:



1321

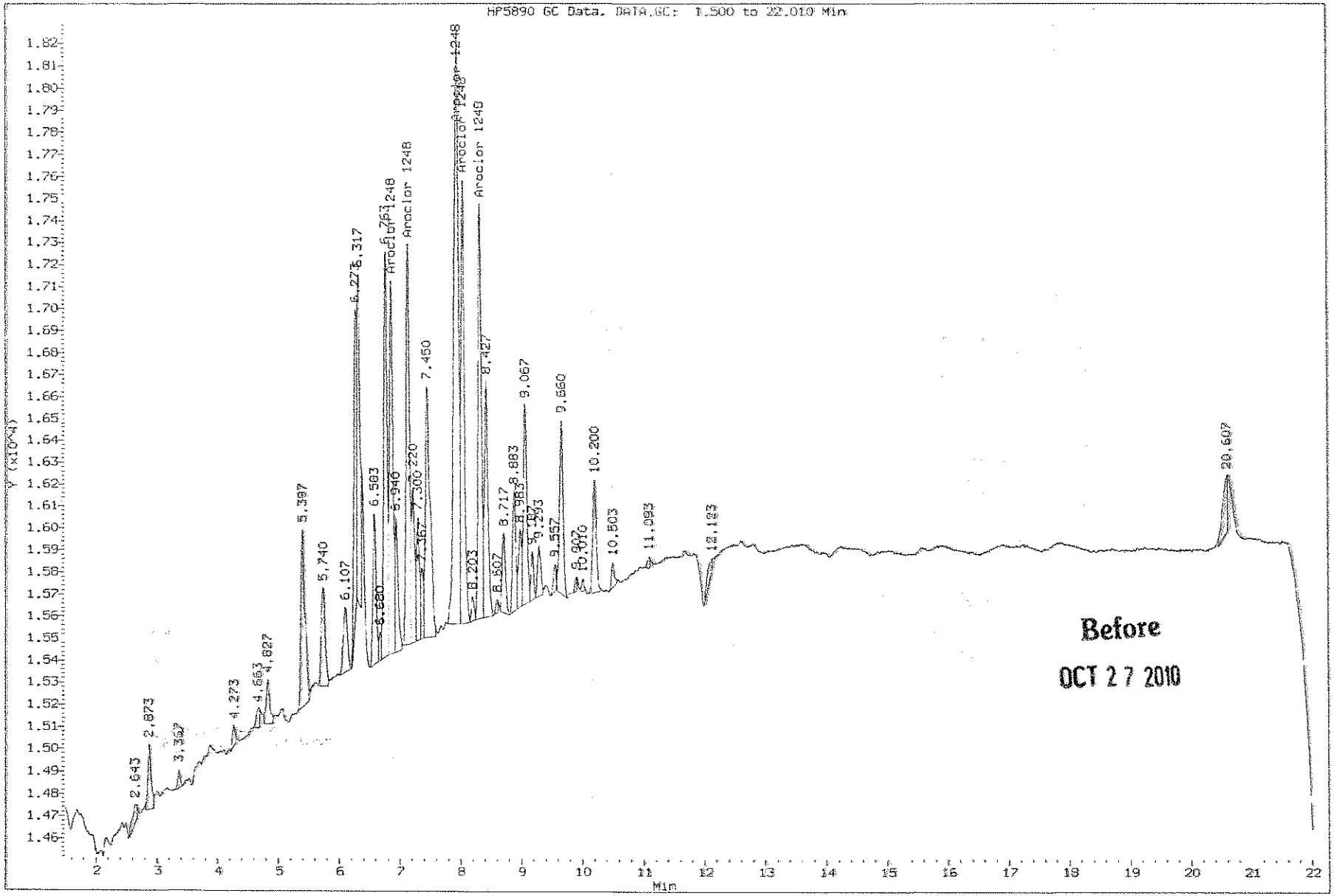
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F027.D
Injection Date: 27-OCT-2010 10:42
Instrument: GC09.i
Client Sample ID:



After
Initials
OCT 27 2010
Wrong Peak/Peak not Found
Baseline/shoulder incorrect

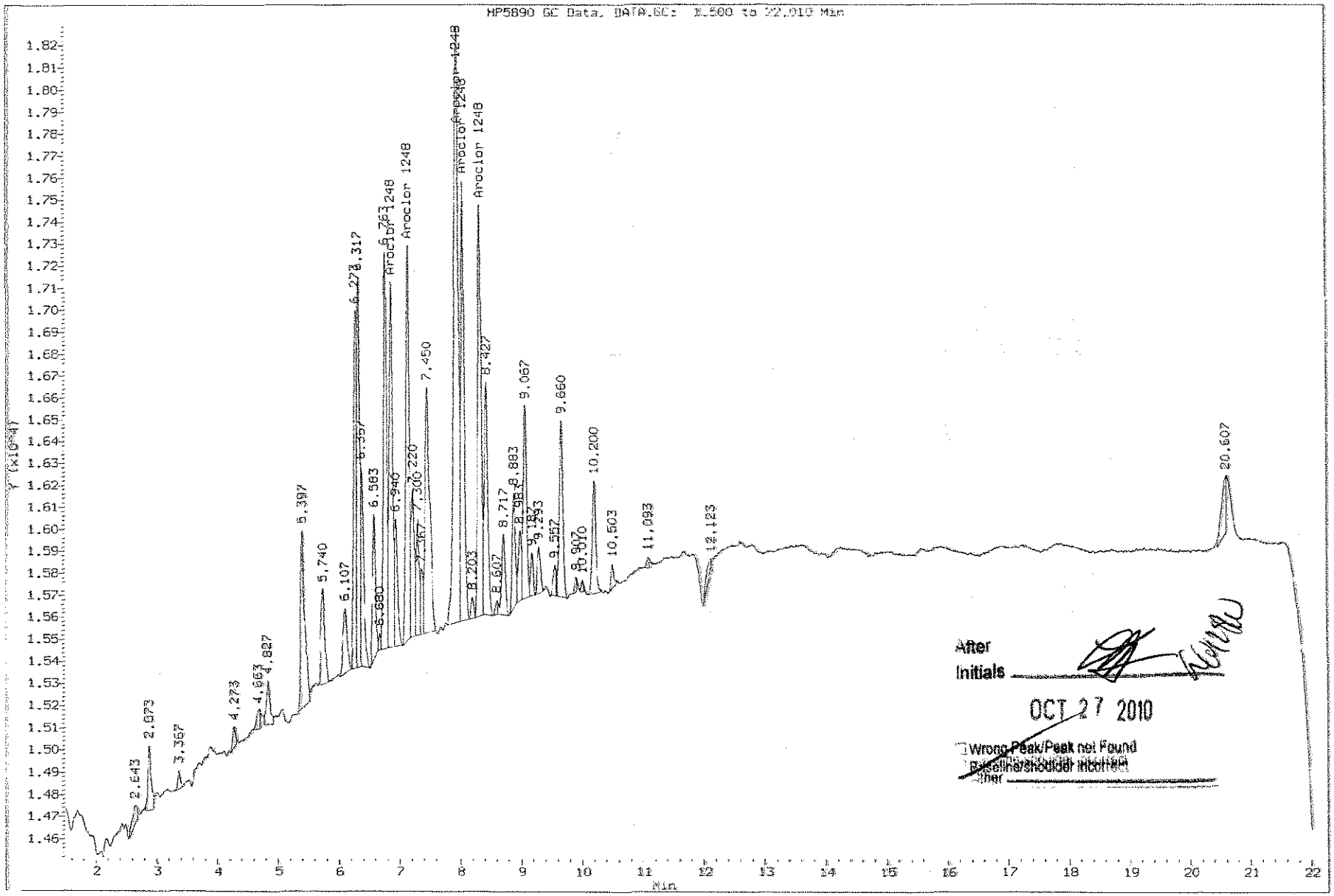
1322

Data File: \\casn1\accudata\GC09\data\102610_r.b\1026R027.D
Injection Date: 27-OCT-2010 10:42
Instrument: GC09.i
Client Sample ID:



1323

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R027.D
Injection Date: 27-OCT-2010 10:42
Instrument: GC09.i
Client Sample ID:



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F028.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F028.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R028.D
Inj Date : 27-OCT-2010 11:08
Sample Info: 1248 @ 50ppb | PCB5-64E
Misc Info :
Cal Date : 27-OCT-2010 13:47
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

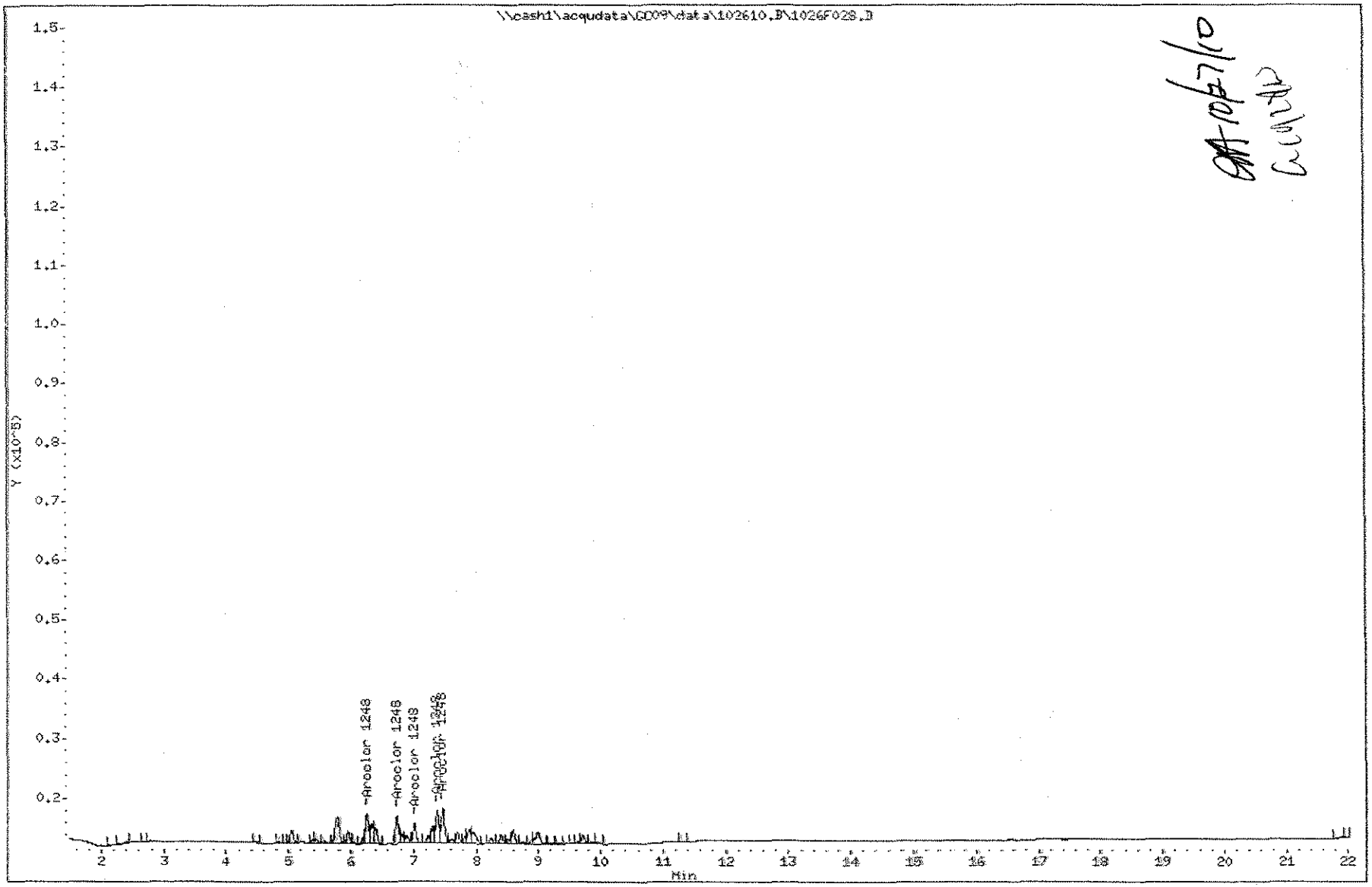
Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.857	17546	12542	66.2	59.4	80.00- 120.00	100.00
	6.737	7.130	15621	13318	78.0	59.1	70.47- 105.71	89.03
	7.017	7.943	11601	27862	53.4	59.8	52.40- 78.60	66.12
	7.377	8.040	18807	15115	65.6	58.9	81.94- 122.90	107.64
	7.470	8.317	21580	14364	64.7	59.5	96.32- 144.48	122.99
			Average of Peak Amounts =		65.6	59.3		

10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F028.D
Date : 27-OCT-2010 11:08
Client ID:
Sample Info: 1248 @ 50ppb ! PCB5-64E

Instrument: GC09.i
Operator: LHarris
Column phase: DB-35MS
Column diameter: 0.53



10/27/10

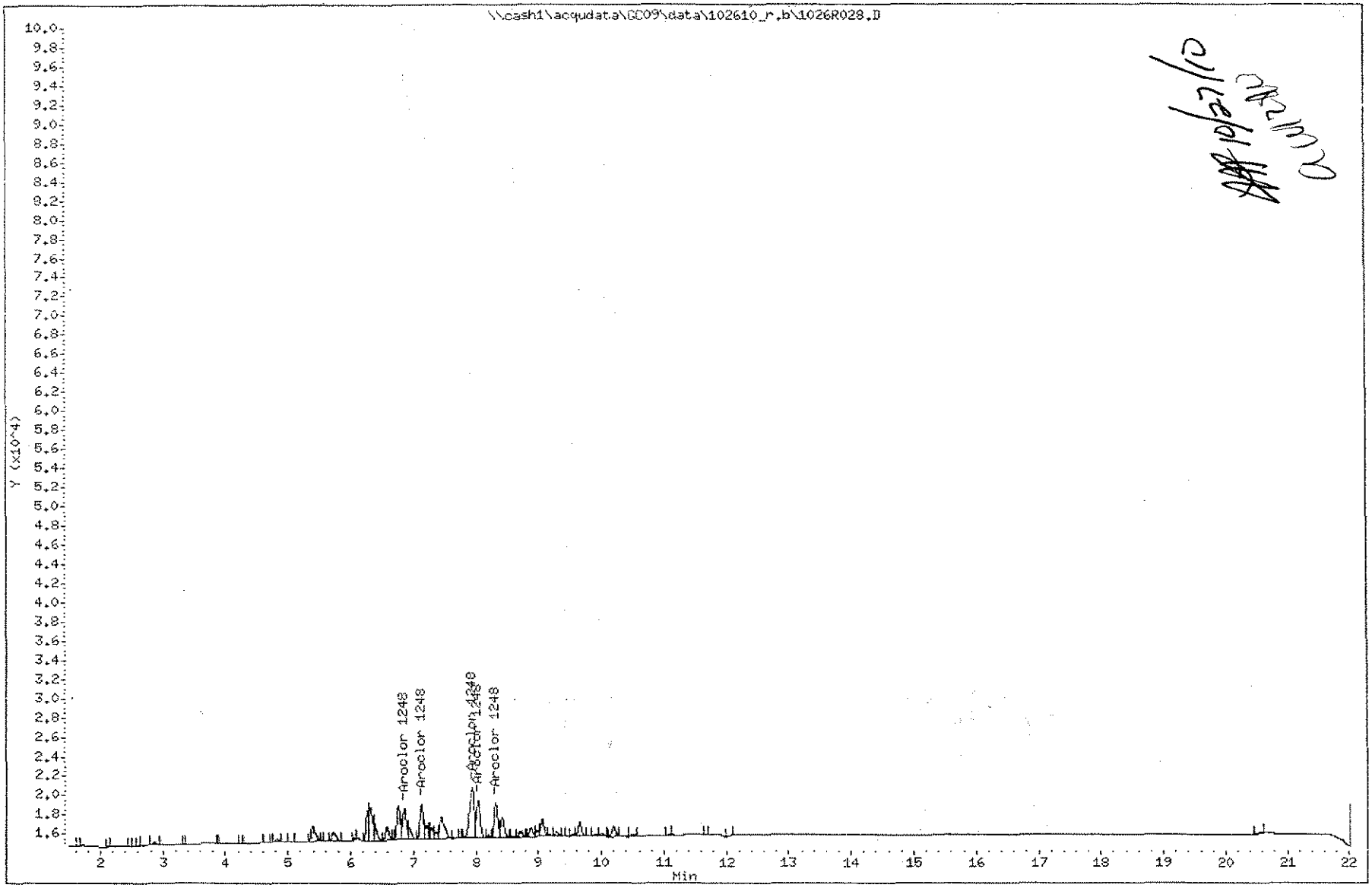
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R028.D
Date : 27-OCT-2010 11:08
Client ID:
Sample Info: 1248 @ 50ppb ! PCB5-64E

Instrument: GC09.i

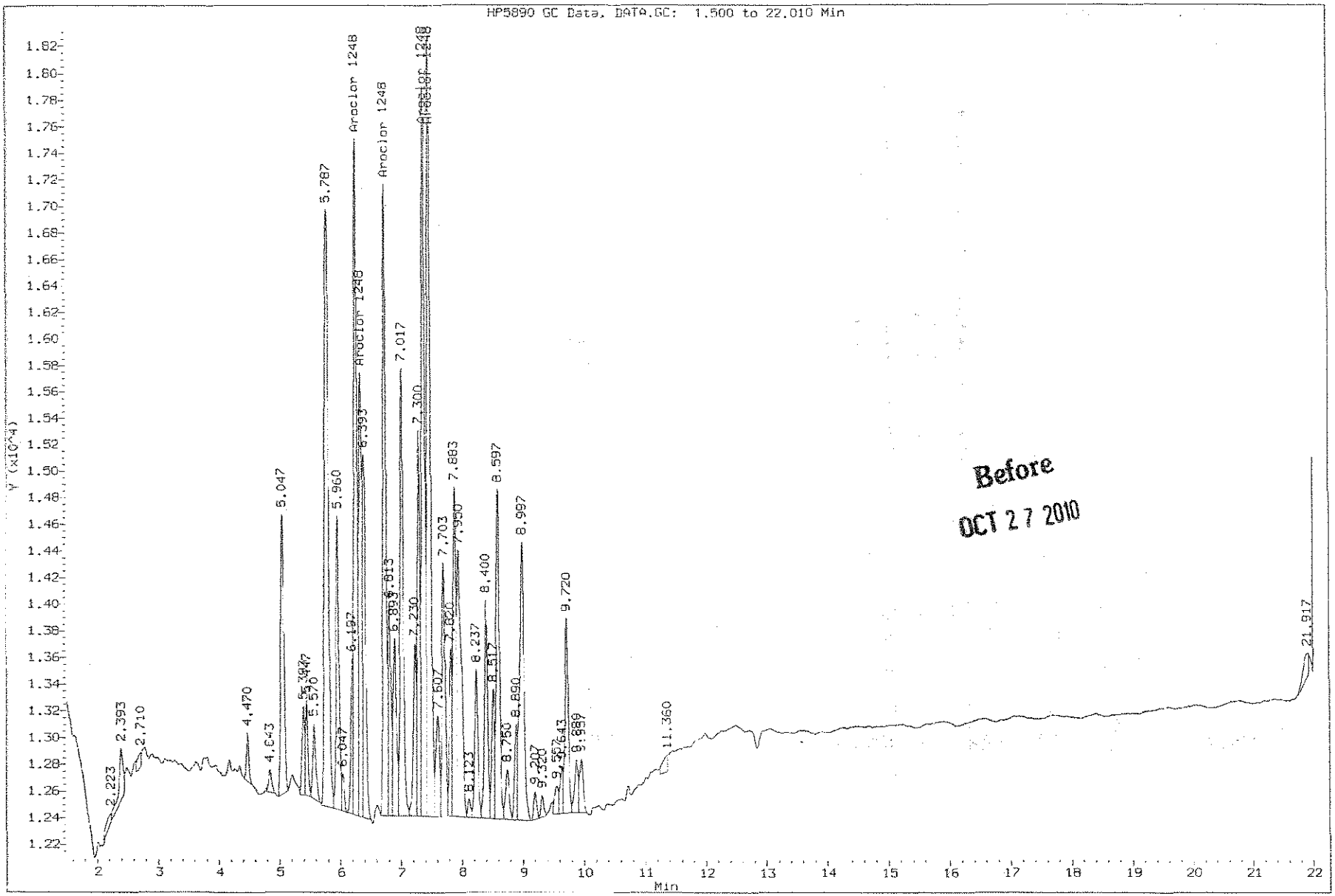
Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53

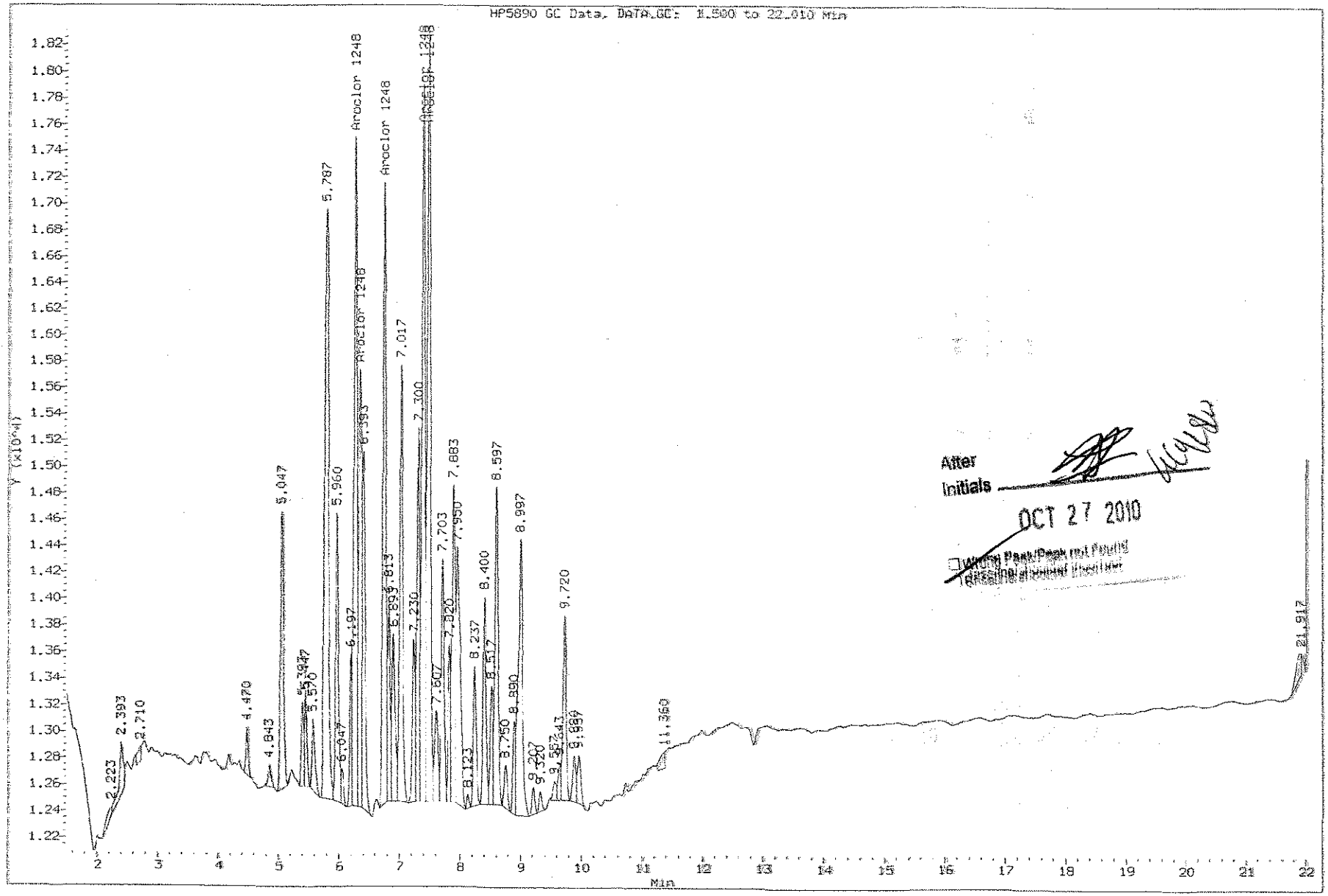


Data File: \\cash1\acqudata\GC09\data\102610.B\1026F028.D
Injection Date: 27-OCT-2010 11:08
Instrument: GC09.i
Client Sample ID:



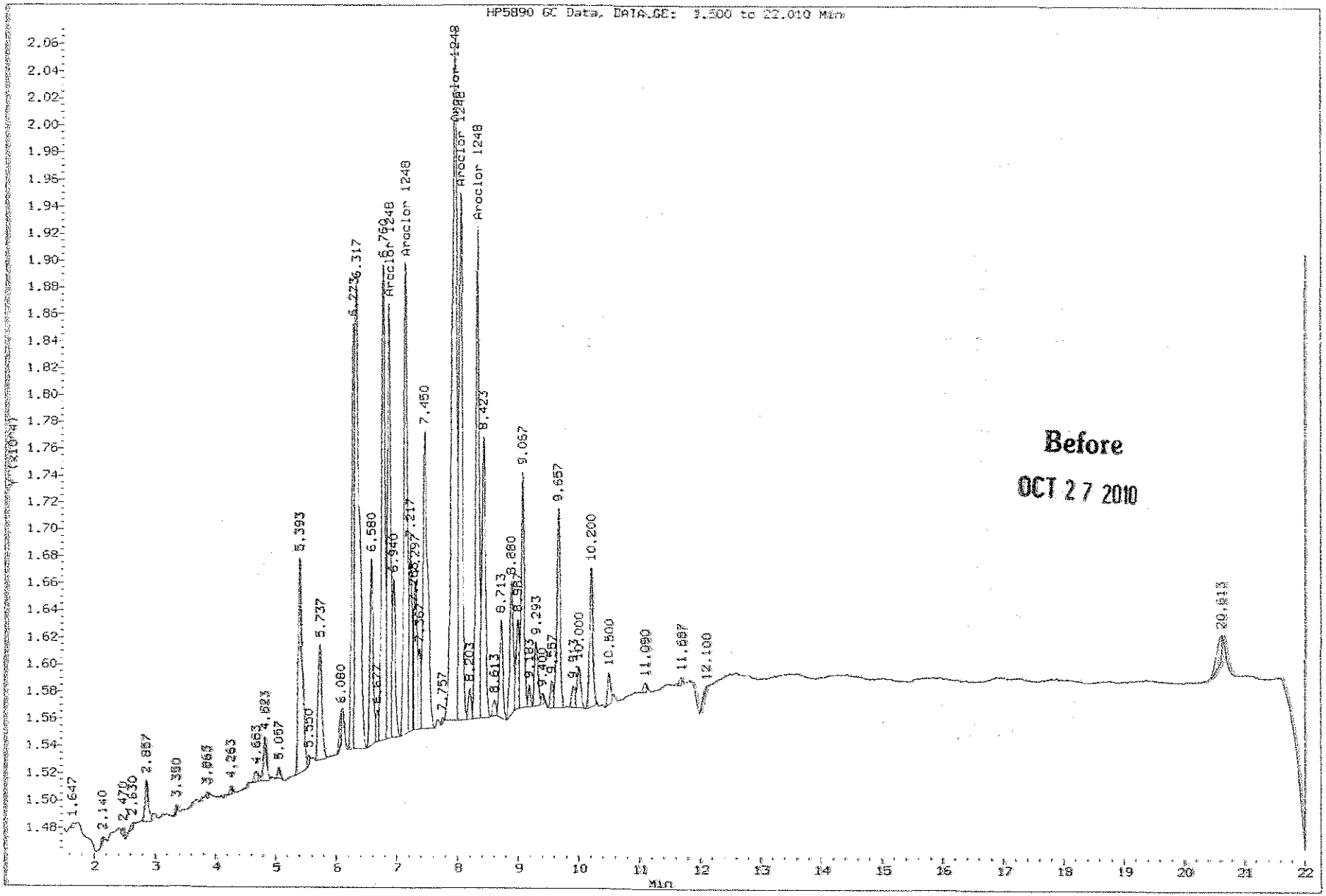
1328

Data File: \\cashl\acqudata\GC09\data\102610.B\1026F028.D
Injection Date: 27-OCT-2010 11:08
Instrument: GC09.i
Client Sample ID:



After
Initials
OCT 27 2010

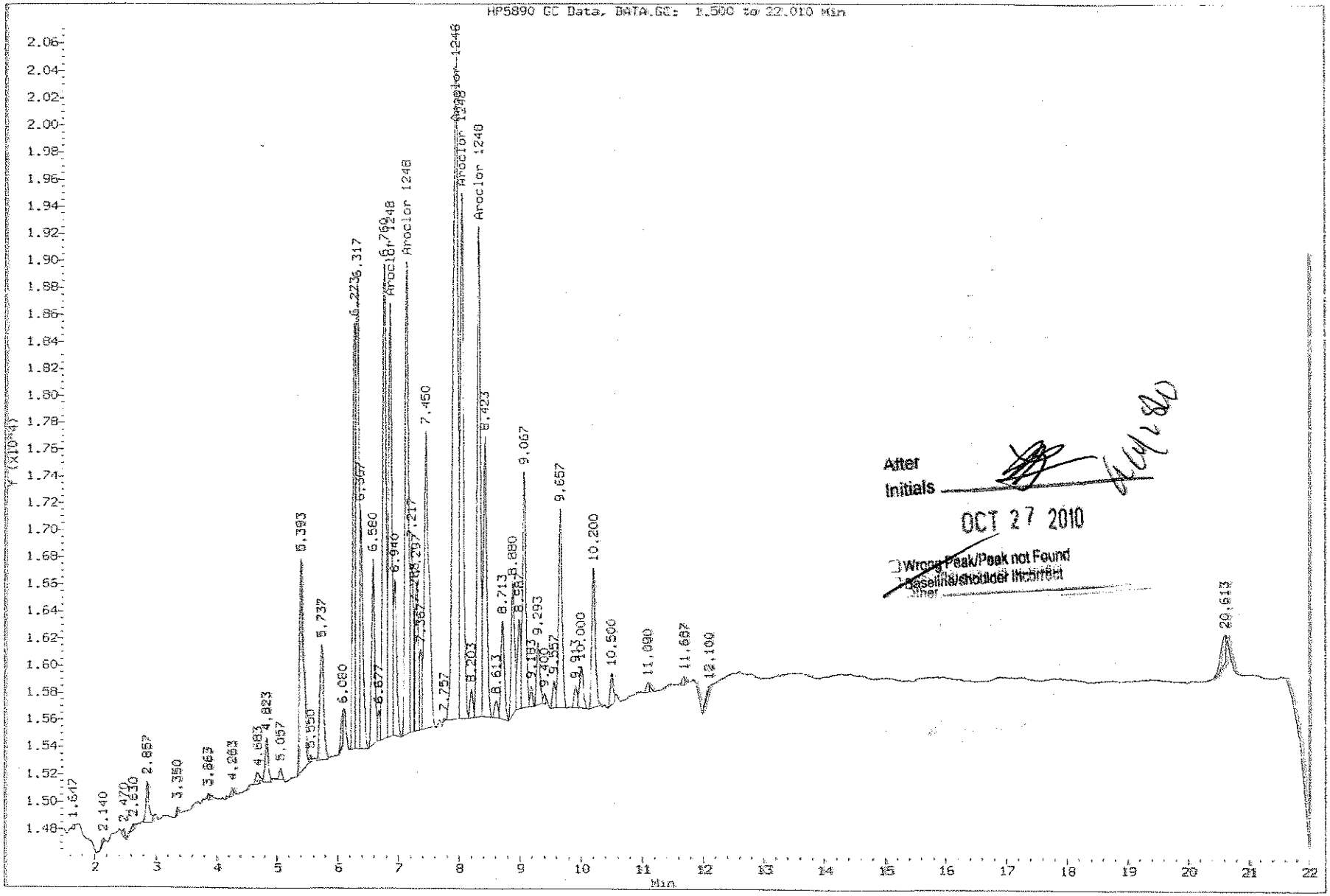
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R028.D
Injection Date: 27-OCT-2010 11:08
Instrument: GC09.i
Client Sample ID:



Before
OCT 27 2010

1330

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R028.D
Injection Date: 27-OCT-2010 11:08
Instrument: GC09.i
Client Sample ID:



1331

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F029.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F029.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R029.D
Inj Date : 27-OCT-2010 11:35
Sample Info: 1248 @ 500ppb | PCB5-64F
Misc Info :
Cal Date : 27-OCT-2010 13:47
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

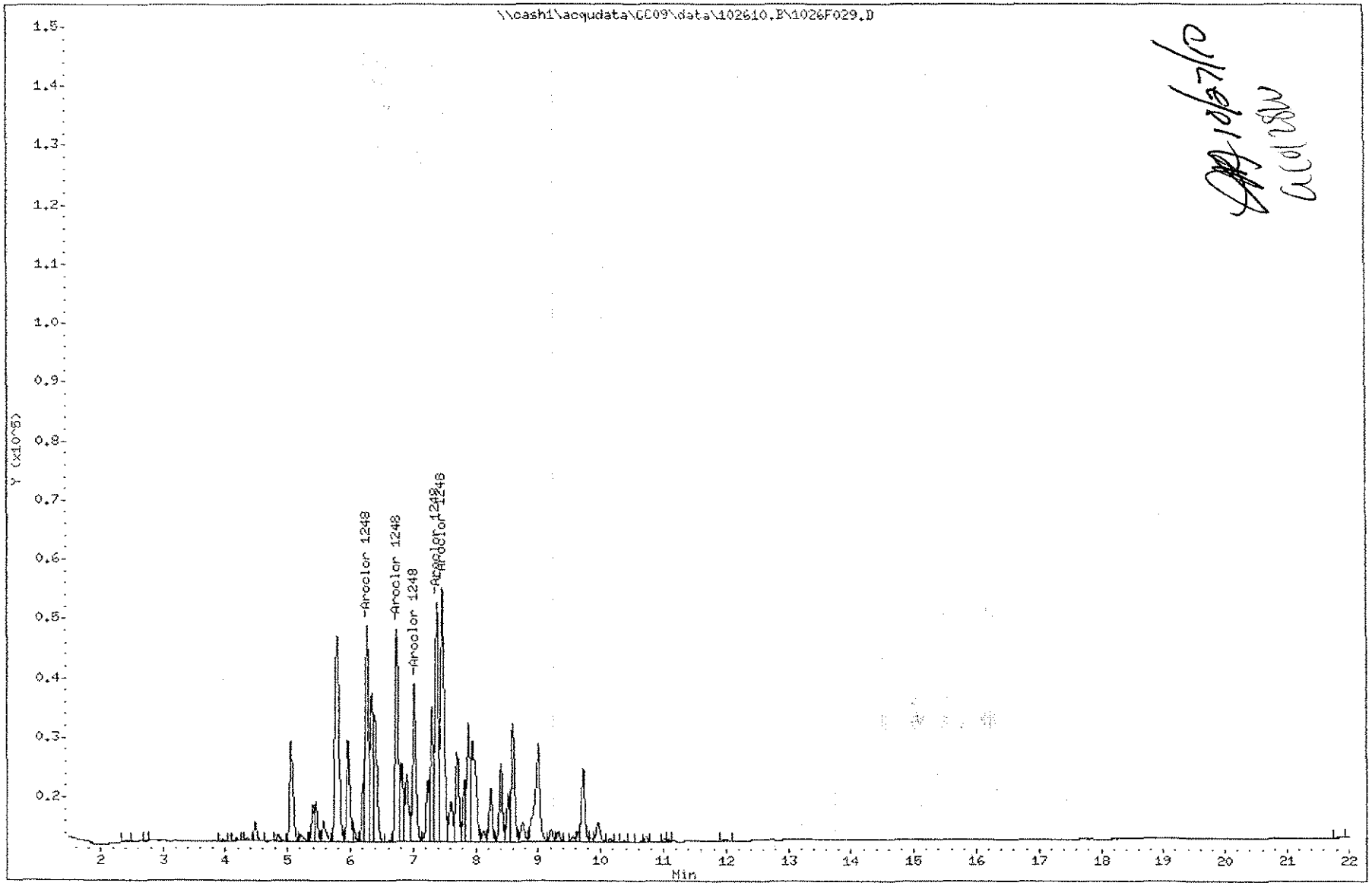
Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.860	131604	99696	496	467	80.00- 120.00	100.00
	6.737	7.130	121673	107833	574	474	70.47- 105.71	92.45
	7.017	7.947	96827	215796	464	462	52.40- 78.60	73.57
	7.377	8.040	143465	132260	498	481	81.94- 122.90	109.01
	7.470	8.317	165911	113773	498	469	96.32- 144.48	126.07
			Average of Peak Amounts =		506	471		

10/27/10
10/28/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F029.D
Date : 27-OCT-2010 11:35
Client ID:
Sample Info: 1248 @ 500ppb | PCB5-64F

Instrument: GC09.i
Operator: LHarris
Column phase: DB-35MS
Column diameter: 0.53



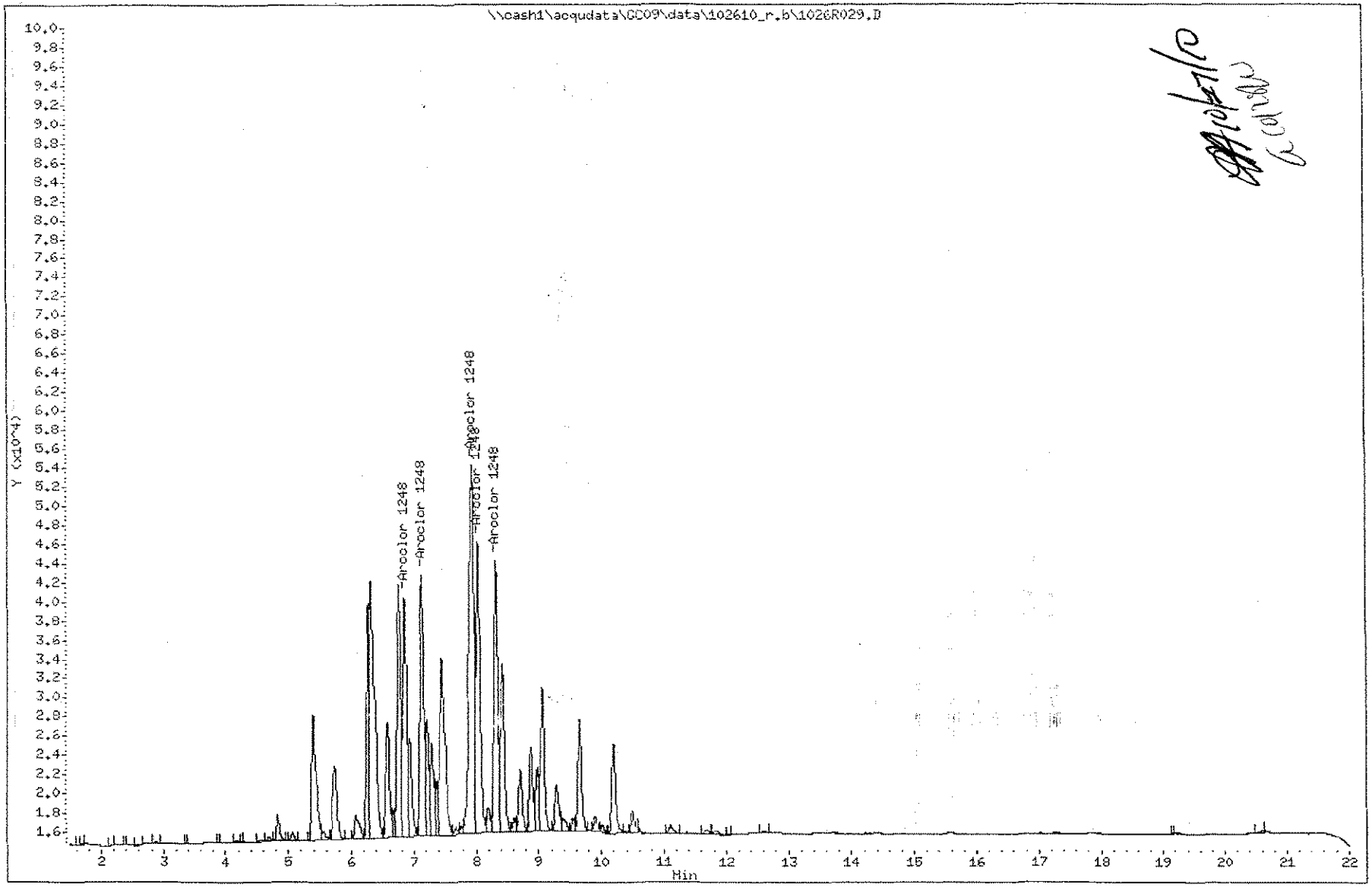
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R029.D
Date : 27-OCT-2010 11:35
Client ID:
Sample Info: 1248 @ 500ppb | PCB5-64F

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F030.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F030.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R030.D
Inj Date : 27-OCT-2010 12:01
Sample Info: 1248 @ 1000ppb | PCB5-64G
Misc Info :
Cal Date : 27-OCT-2010 13:47
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.860	233137	181640	879	851	80.00- 120.00	100.00
	6.737	7.130	223009	194383	995	855	70.47- 105.71	95.66
	7.017	7.943	182223	395310	902	846	52.40- 78.60	78.16
	7.377	8.040	260206	241421	903	878	81.94- 122.90	111.61
	7.470	8.317	301844	209182	905	863	96.32- 144.48	129.47
			Average of Peak Amounts =		917	859		

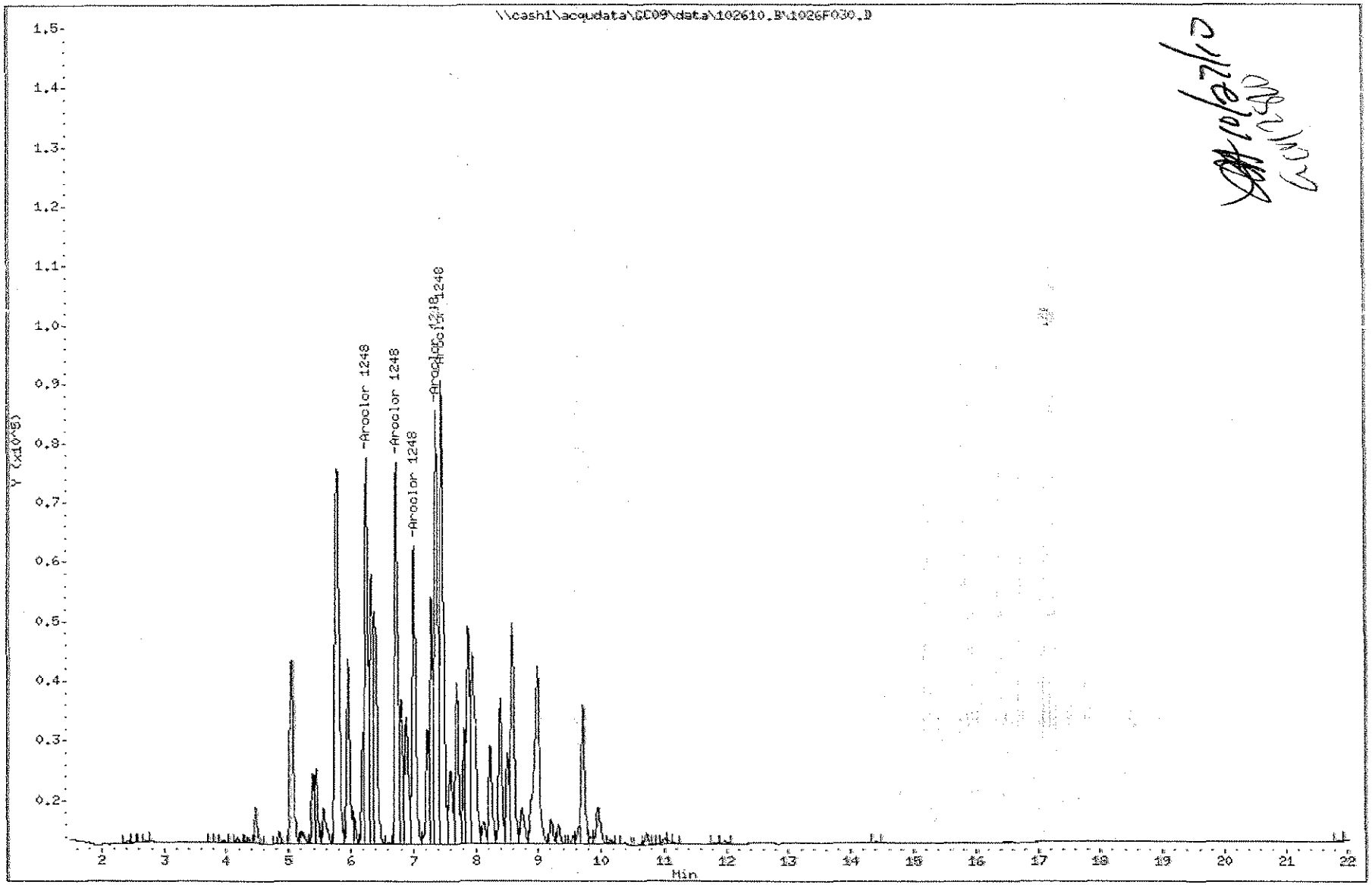
10/27/10
ACQ 28

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F030.D
Date : 27-OCT-2010 12:01
Client ID:
Sample Info: 1248 @ 1000ppb & PCB5-64G

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



1336

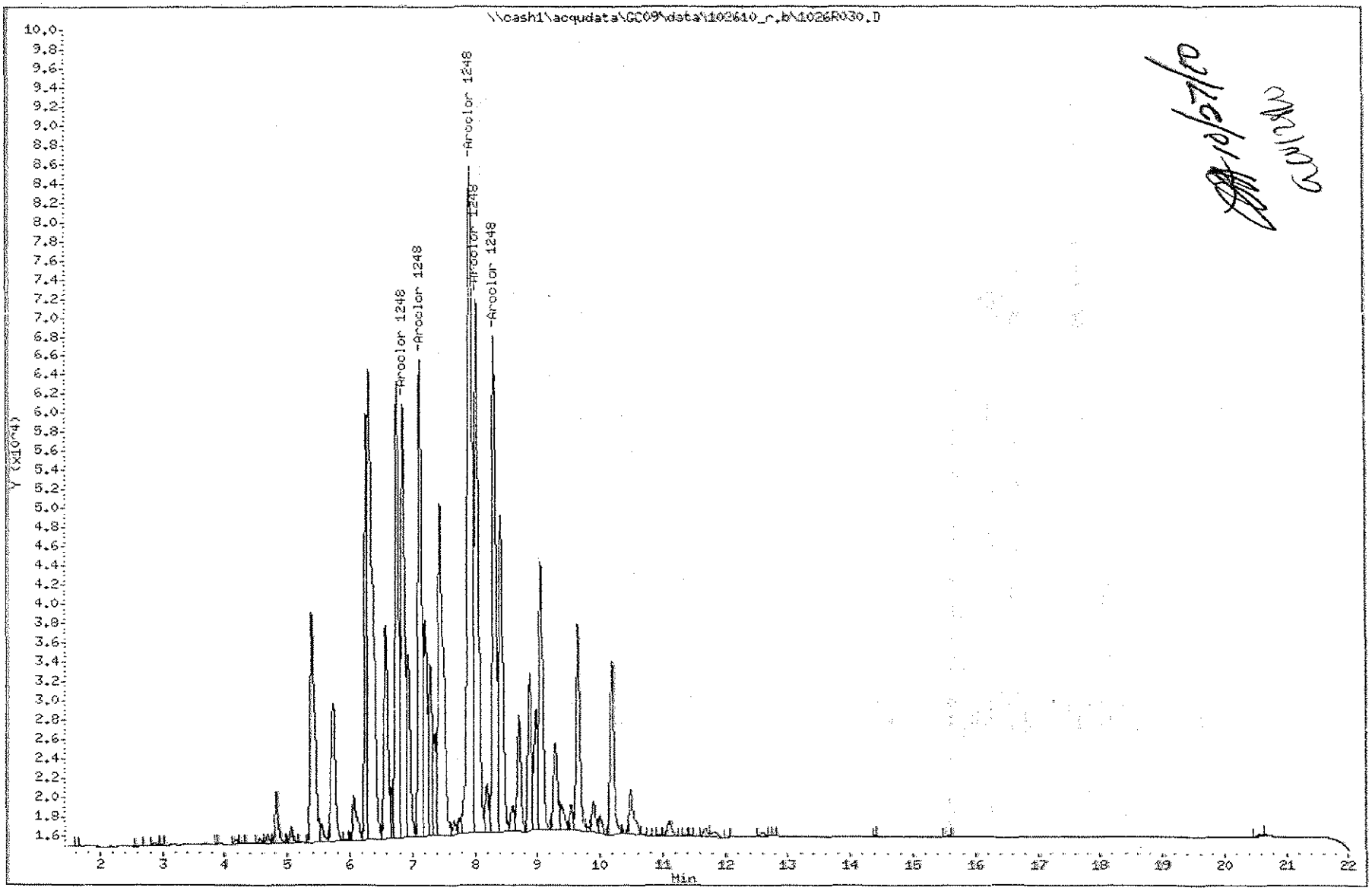
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R030.D
Date : 27-OCT-2010 12:01
Client ID:
Sample Info: 1248 @ 1000ppb ! PCB5-64G

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F031.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F031.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R031.D
Inj Date : 27-OCT-2010 12:28
Sample Info: 1248 @ 2000ppb | PCB5-64H
Misc Info :
Cal Date : 27-OCT-2010 13:47
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.860	413326	328277	1560	1550	80.00- 120.00	100.00
	6.737	7.130	398492	355317	1700	1580	70.47- 105.71	96.41
	7.017	7.943	333468	724269	1700	1550	52.40- 78.60	80.66
	7.377	8.040	466353	445048	1620	1620	81.94- 122.90	112.83
	7.470	8.317	539626	386966	1620	1600	96.32- 144.48	130.56
			Average of Peak Amounts =		1640	1580		

10/27/10
10/28/10

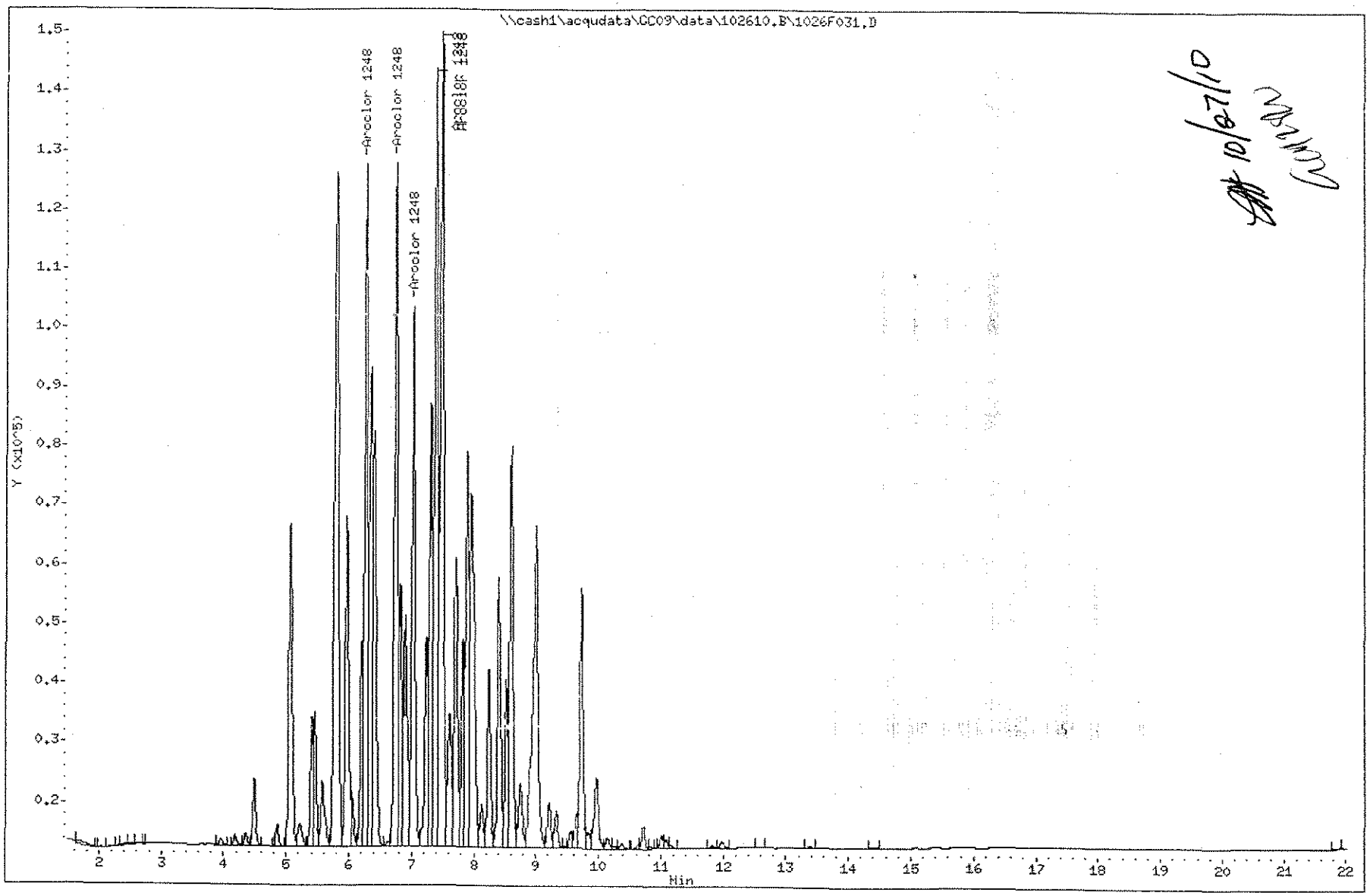
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F031.D
Date : 27-OCT-2010 12:28
Client ID:
Sample Info: 1248 @ 2000ppb | PCB5-64H

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



10/27/10

1339

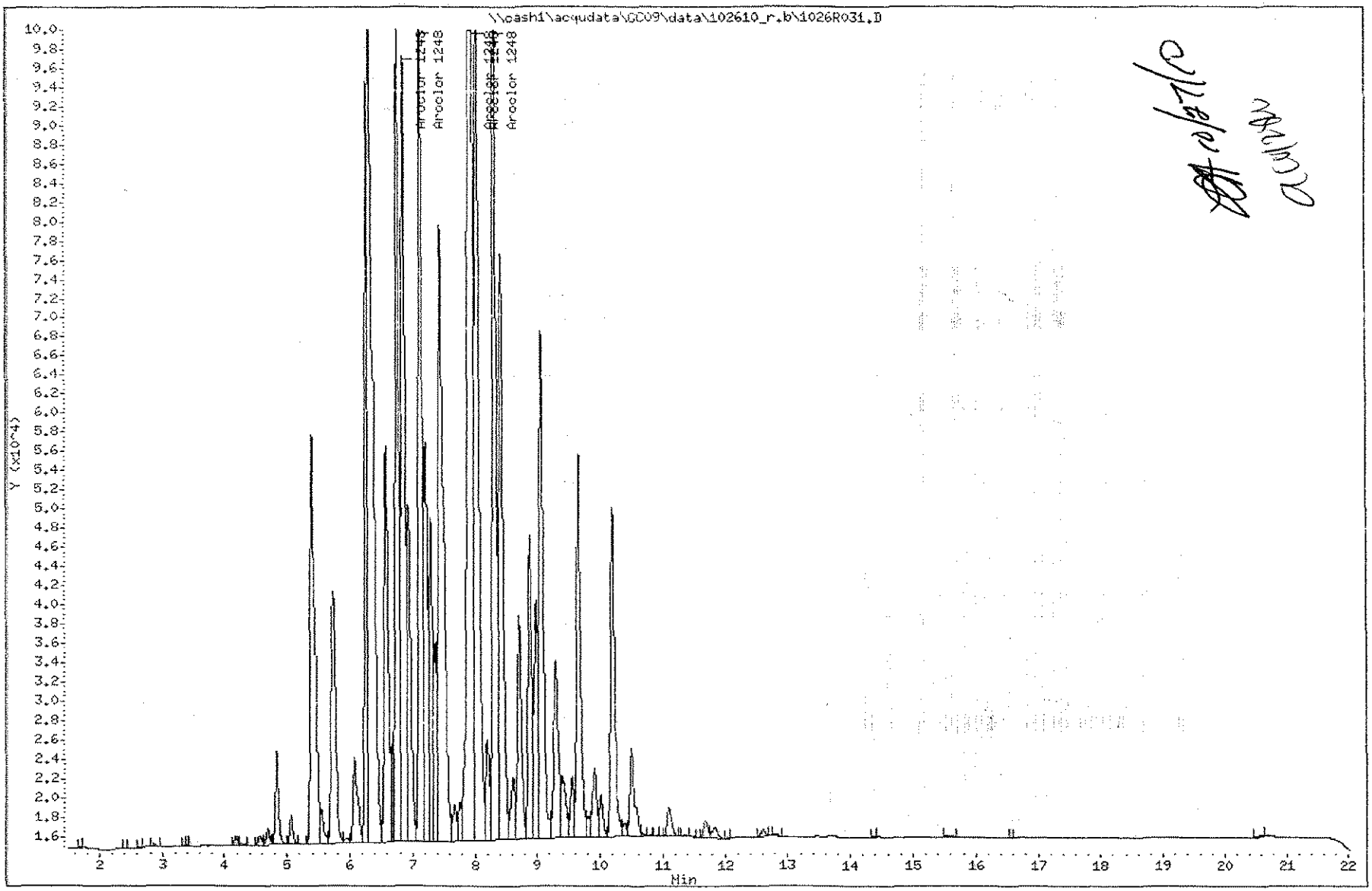
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R031.D
Date : 27-OCT-2010 12:28
Client ID:
Sample Info: 1248 @ 2000ppb | PCB5-64H

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1340

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F032.D
Report Date: 27-Oct-2010 14:49

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F032.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R032.D
Inj Date : 27-OCT-2010 12:55
Sample Info: 1248 @ 5000ppb | PCB5-64I
Misc Info :
Cal Date : 27-OCT-2010 13:47
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.860	886587	741345	3340	3510	80.00- 120.00	100.00
	6.737	7.130	847744	785045	3470	3490	70.47- 105.71	95.62
	7.017	7.943	737244	1607961	3820	3450	52.40- 78.60	83.16
	7.377	8.040	1010771	986724	3510	3600	81.94- 122.90	114.01
	7.470	8.317	1165129	862558	3490	3570	96.32- 144.48	131.42
			Average of Peak Amounts =		3530	3520		

10/27/10

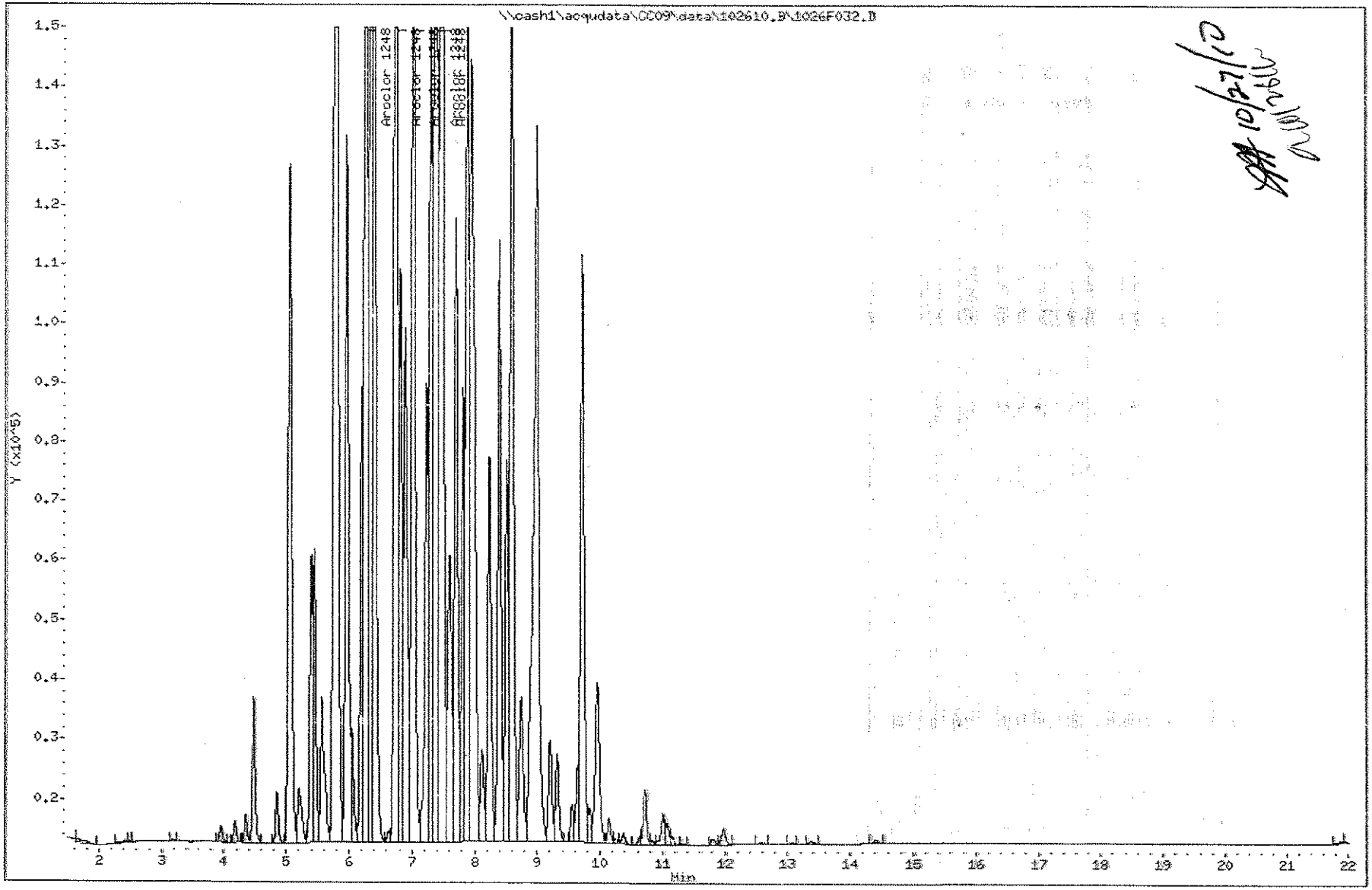
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F032.D
Date : 27-OCT-2010 12:55
Client ID:
Sample Info: 1248 @ 5000ppb | PCB5-64I

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



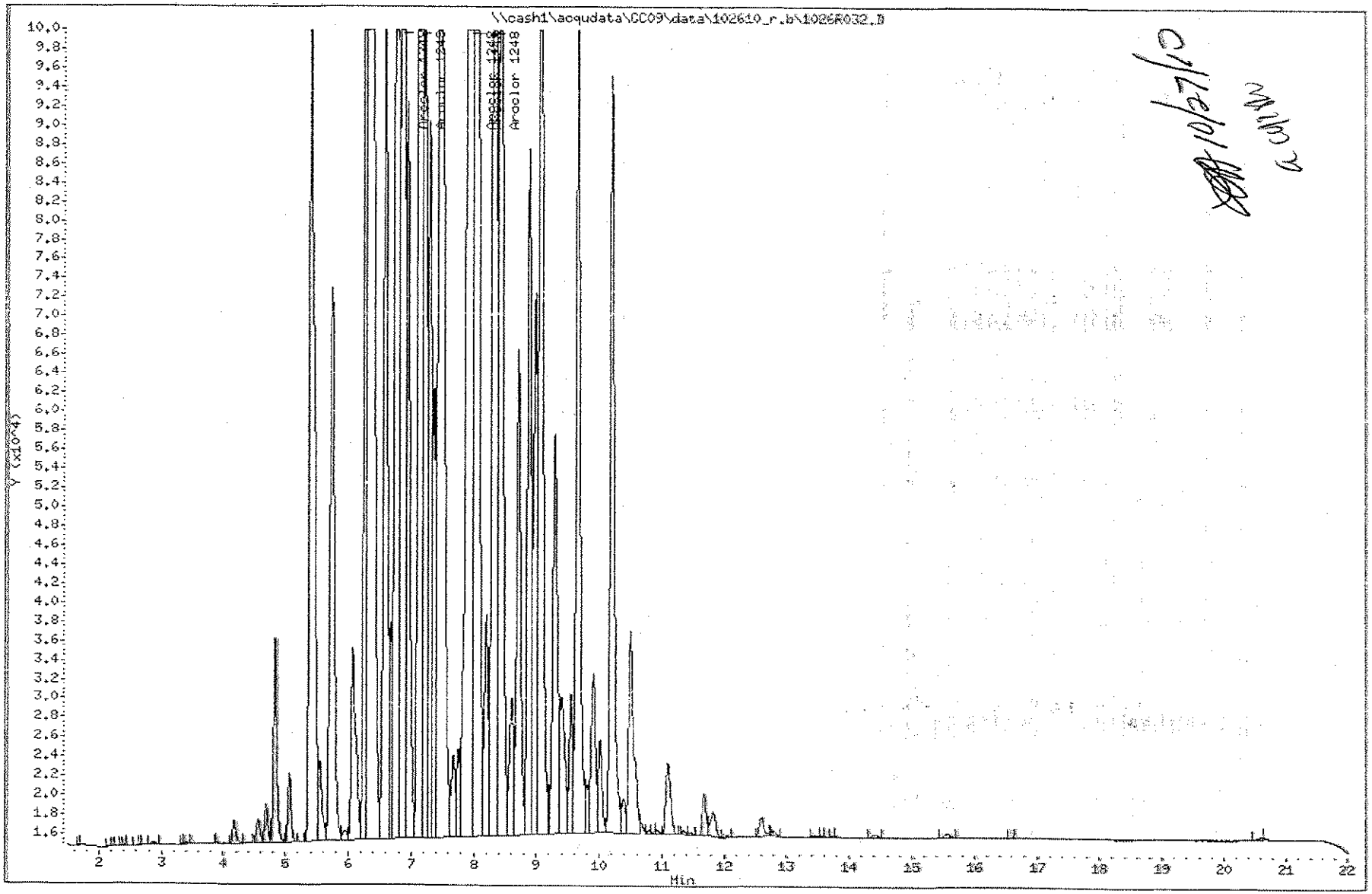
1342

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R032.D
Date : 27-OCT-2010 12:55
Client ID:
Sample Info: 1248 @ 5000ppb | PCB5-64I

Column phase: DB-XLB

Instrument: GC09.i

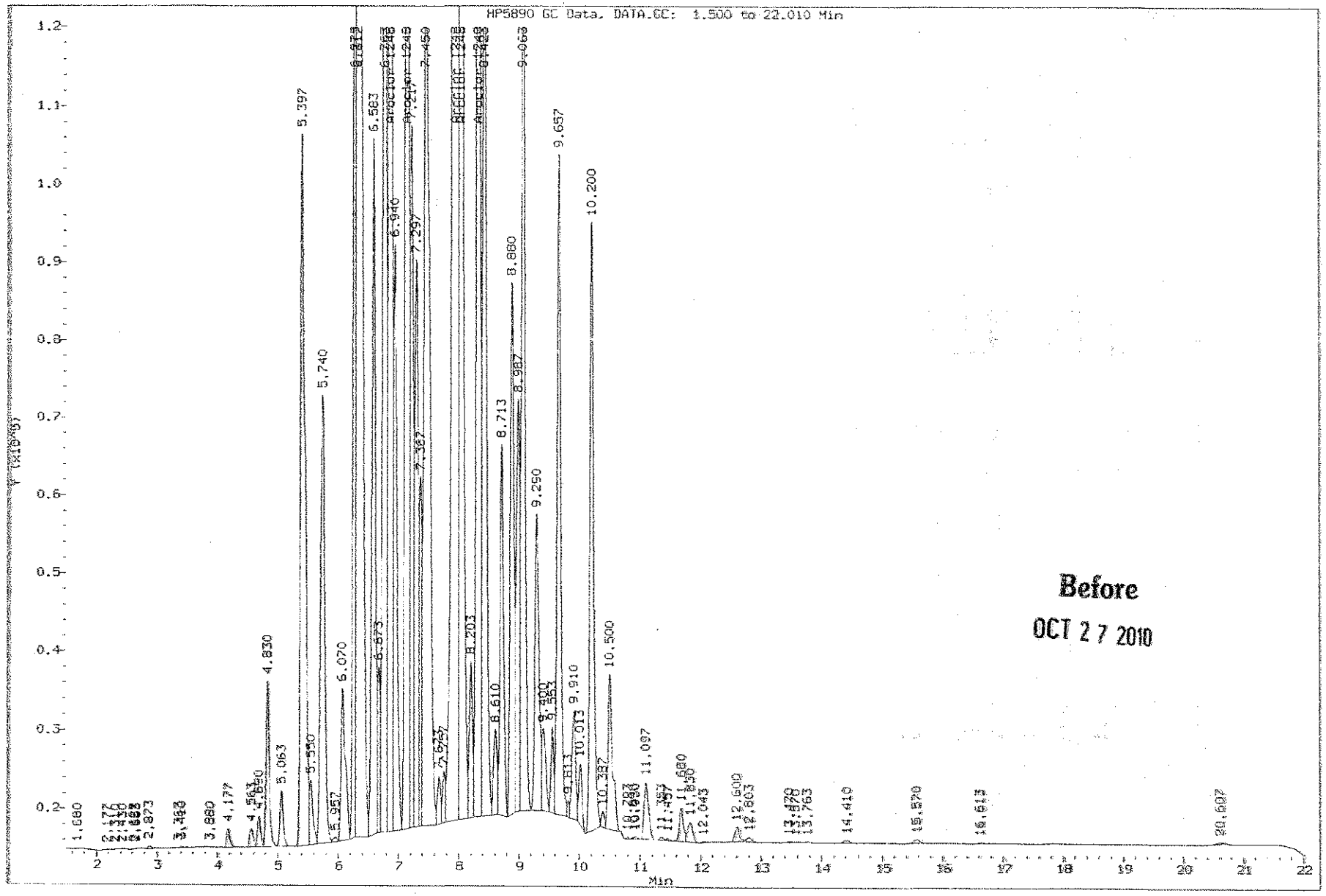
Operator: LHarris
Column diameter: 0.53



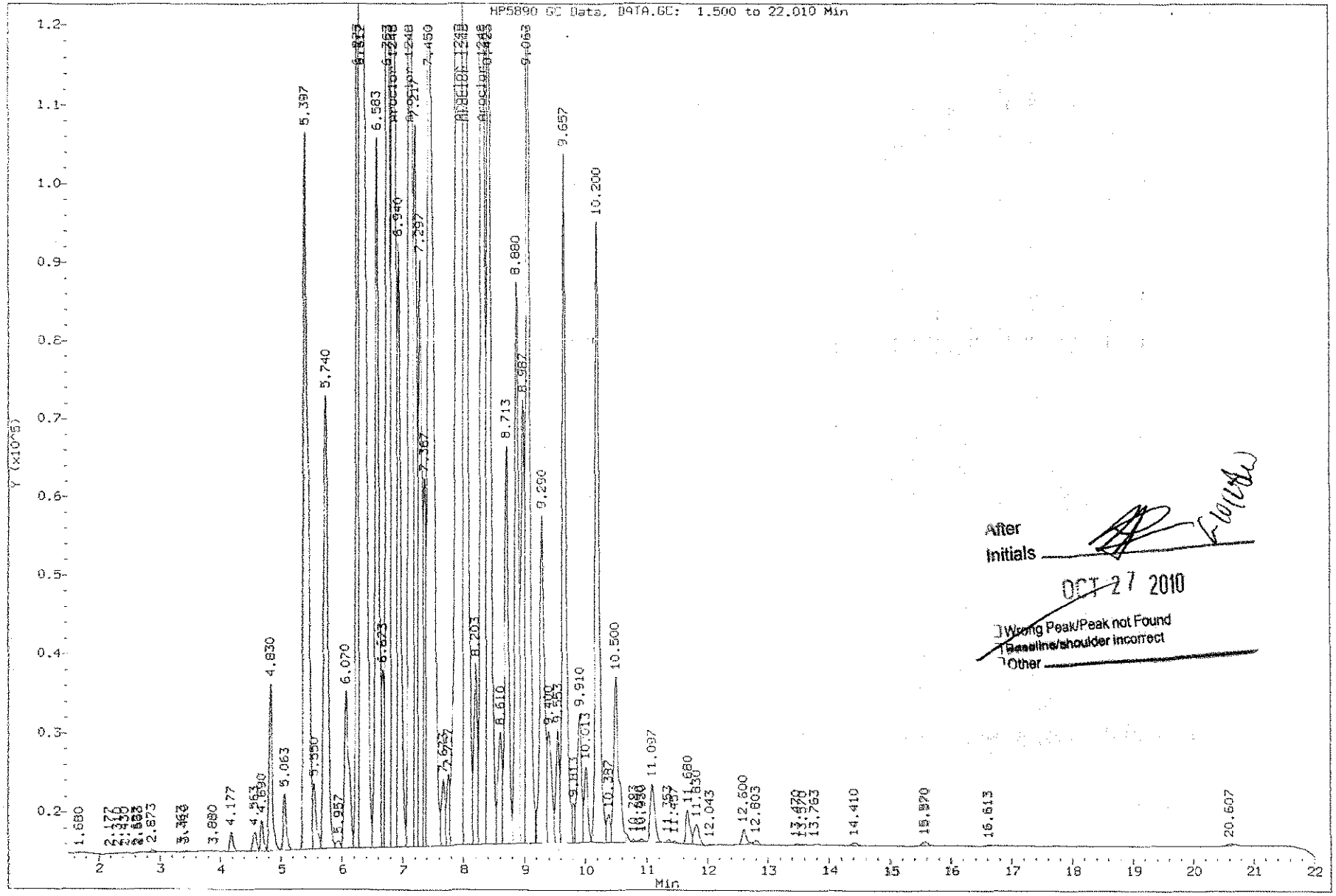
10/27/10

1343

Data File: \\cash1\acqudata\6C09\data\102610_r.b\1026R032.D
Injection Date: 27-OCT-2010 12:56
Instrument: 6C09.i
Client Sample ID:



Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R032.D
Injection Date: 27-OCT-2010 12:55
Instrument: GC09.i
Client Sample ID:



After
Initials
OCT 27 2010
Wrong Peak/Peak not Found
Baseline/shoulder incorrect
Other

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F033.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F033.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R033.D
Inj Date : 27-OCT-2010 13:21
Sample Info: 1016 @ 1000ppb | PCB5-56E
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1016.sub
Sub List #2 : AR1016.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1016	5.400	5.397	66501	157480	1010	932	80.00- 120.00	100.30
	5.450	6.587	112766	164613	974	1000	133.75- 200.63	169.57
	5.963	6.763	225306	121491	942	928	261.64- 392.46	338.80
	6.197	6.860	114493	143086	980	942	138.17- 207.26	172.17
	6.737	7.133	159141	132975	955	958	185.32- 277.98	239.31
			Average of Peak Amounts =		972	952		

10/27/10

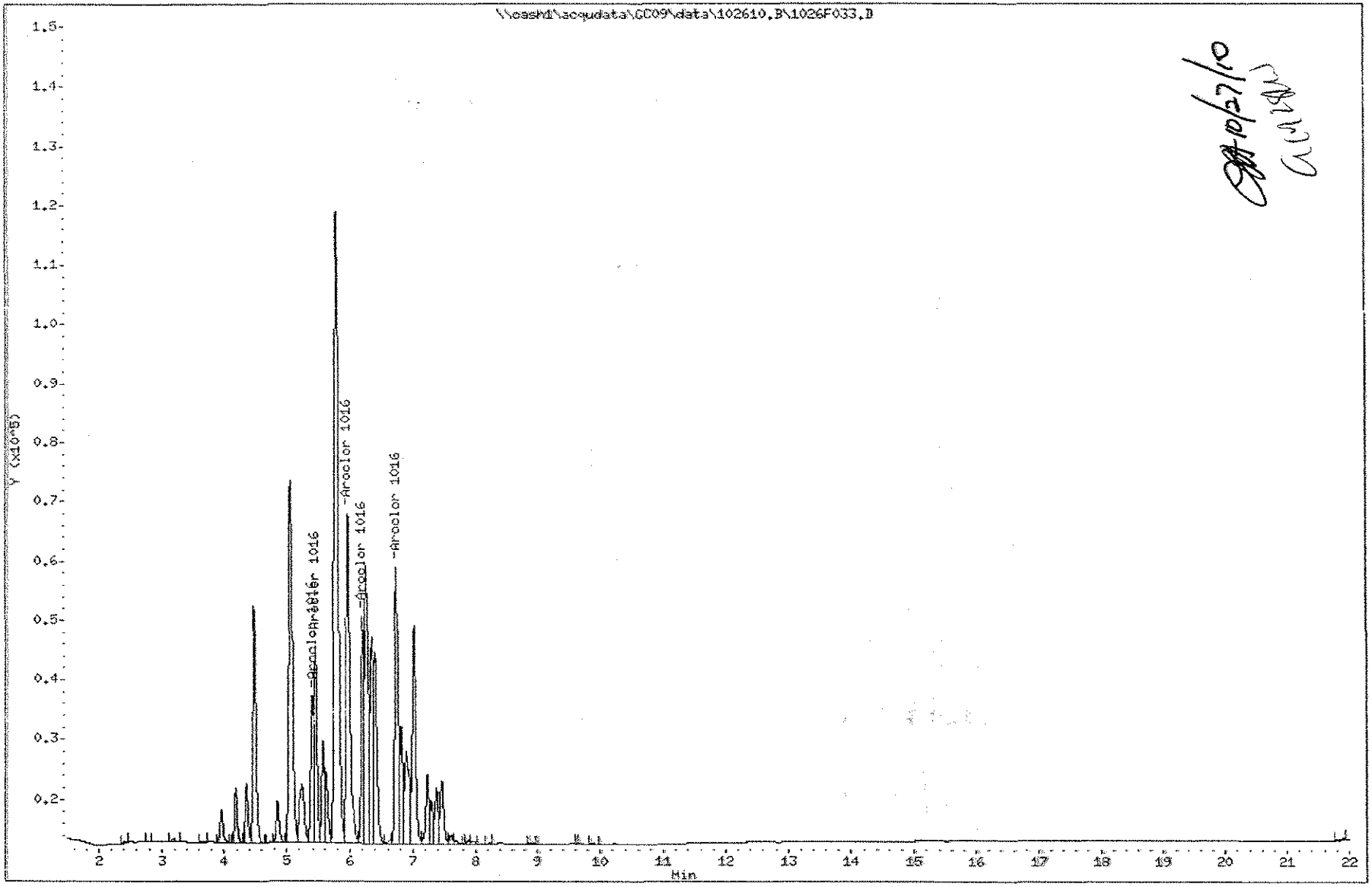
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F033.D
Date : 27-OCT-2010 13:21
Client ID:
Sample Info: 1016 @ 1000ppb | PCB5-56E

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



10/27/10

1347

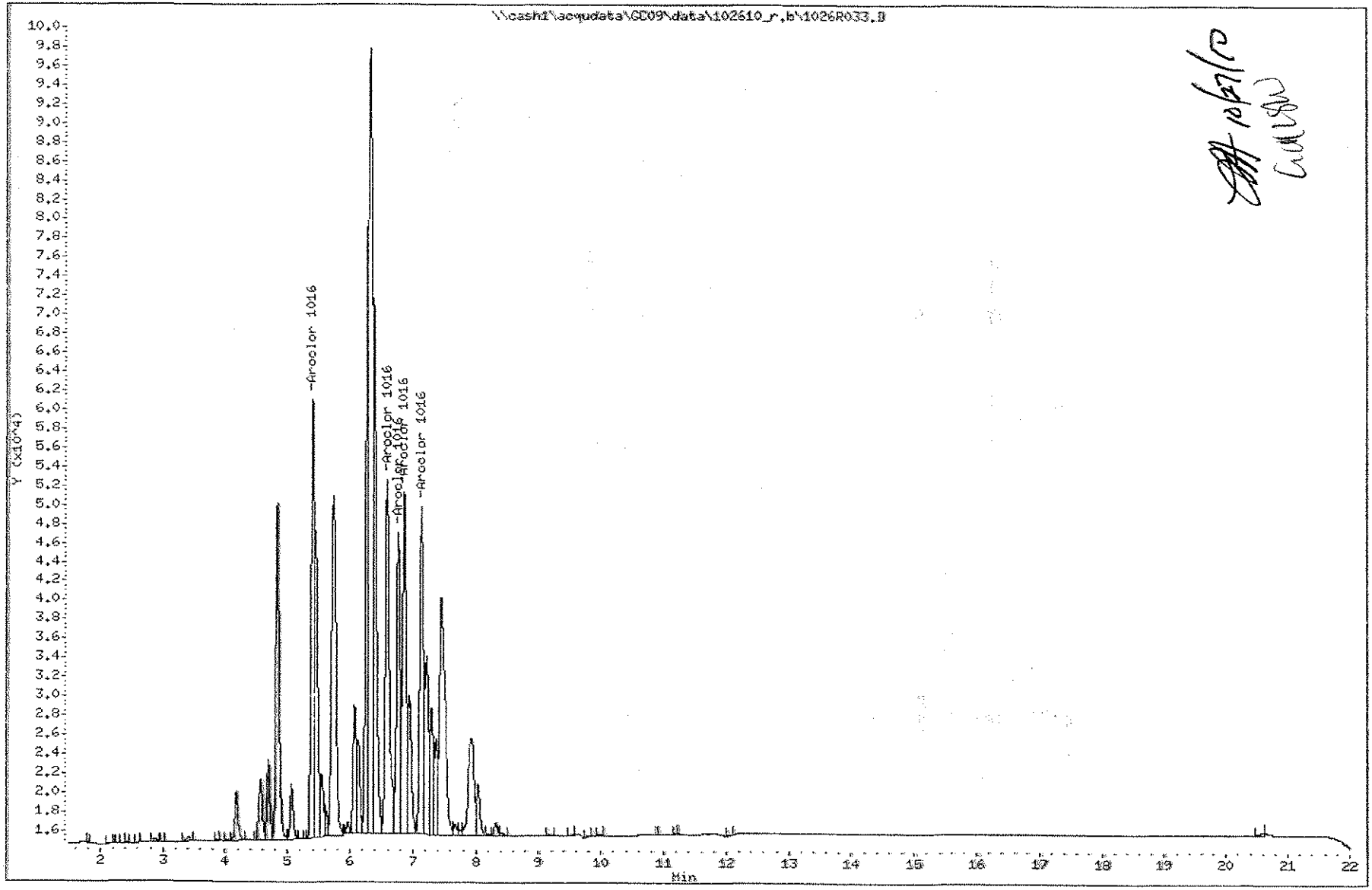
Data File: \\cash1\acqudata\GC09\data\102610_r,b\1026R033.D
Date : 27-OCT-2010 13:21
Client ID:
Sample Info: 1016 @ 1000ppb | PCB5-56E

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



10/27/10

1348

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F034.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F034.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R034.D
Inj Date : 27-OCT-2010 13:48
Sample Info: 1221 @ 1000ppb | PCB5-62R
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1221.SUB
Sub List #2 : AR1221.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.183	3.410	65123	66515	1080	1060	80.00- 120.00	100.00(M)
	4.183	4.177	93058	37632	1130	1040	100.52- 150.78	142.89(M)
	4.353	4.690	62104	62910	1150	1120	64.35- 96.52	95.36(M)
	4.480	4.030	204136	205309	1110	1090	239.06- 358.59	313.46(M)
			Average of Peak Amounts =		1120	1080		

QC Flag Legend

M - Compound response manually integrated.

10/27/10
GW28

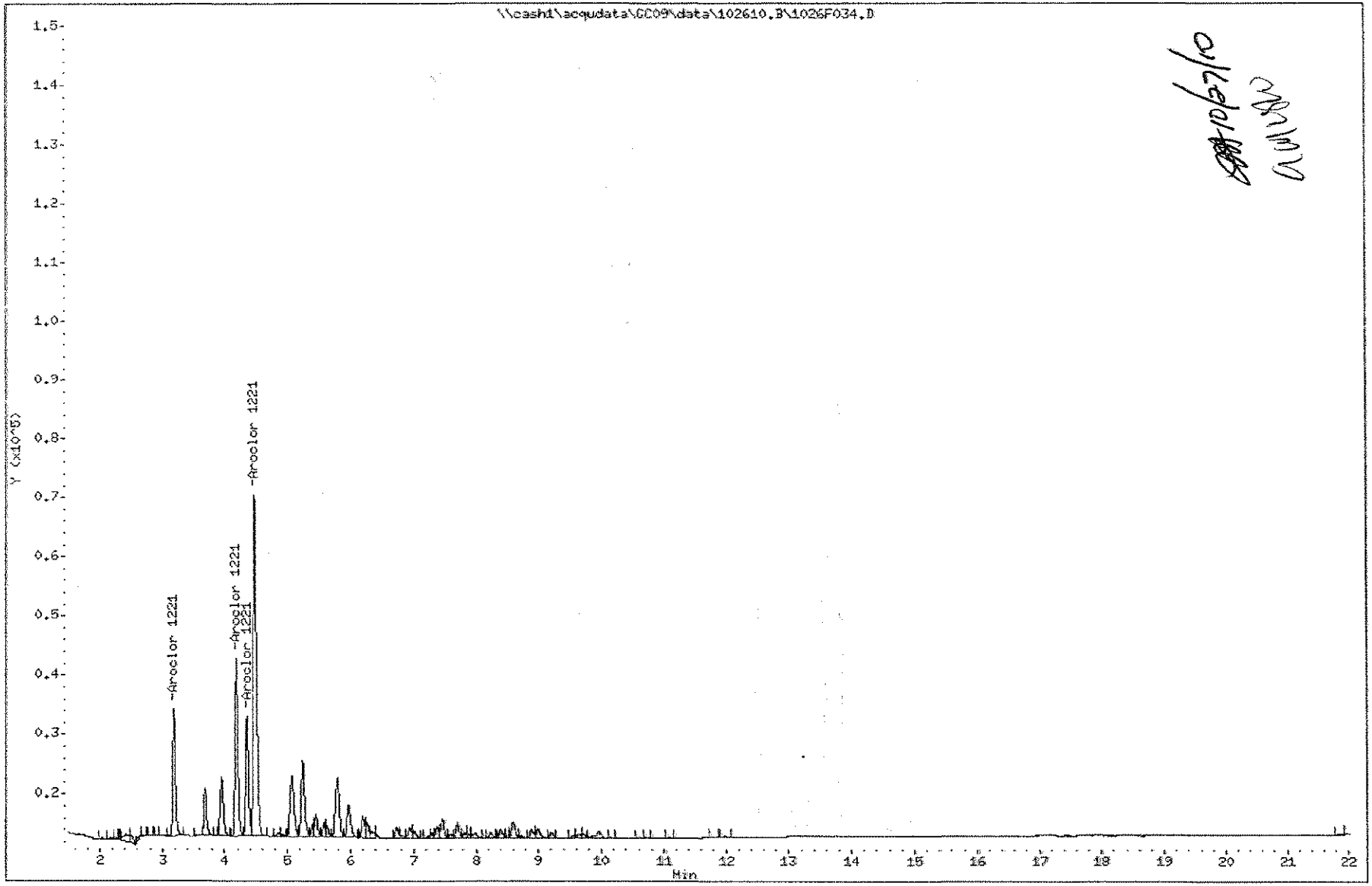
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F034.D
Date : 27-OCT-2010 13:48
Client ID:
Sample Info: 1221 @ 1000ppb | PCB5-62R

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



1350

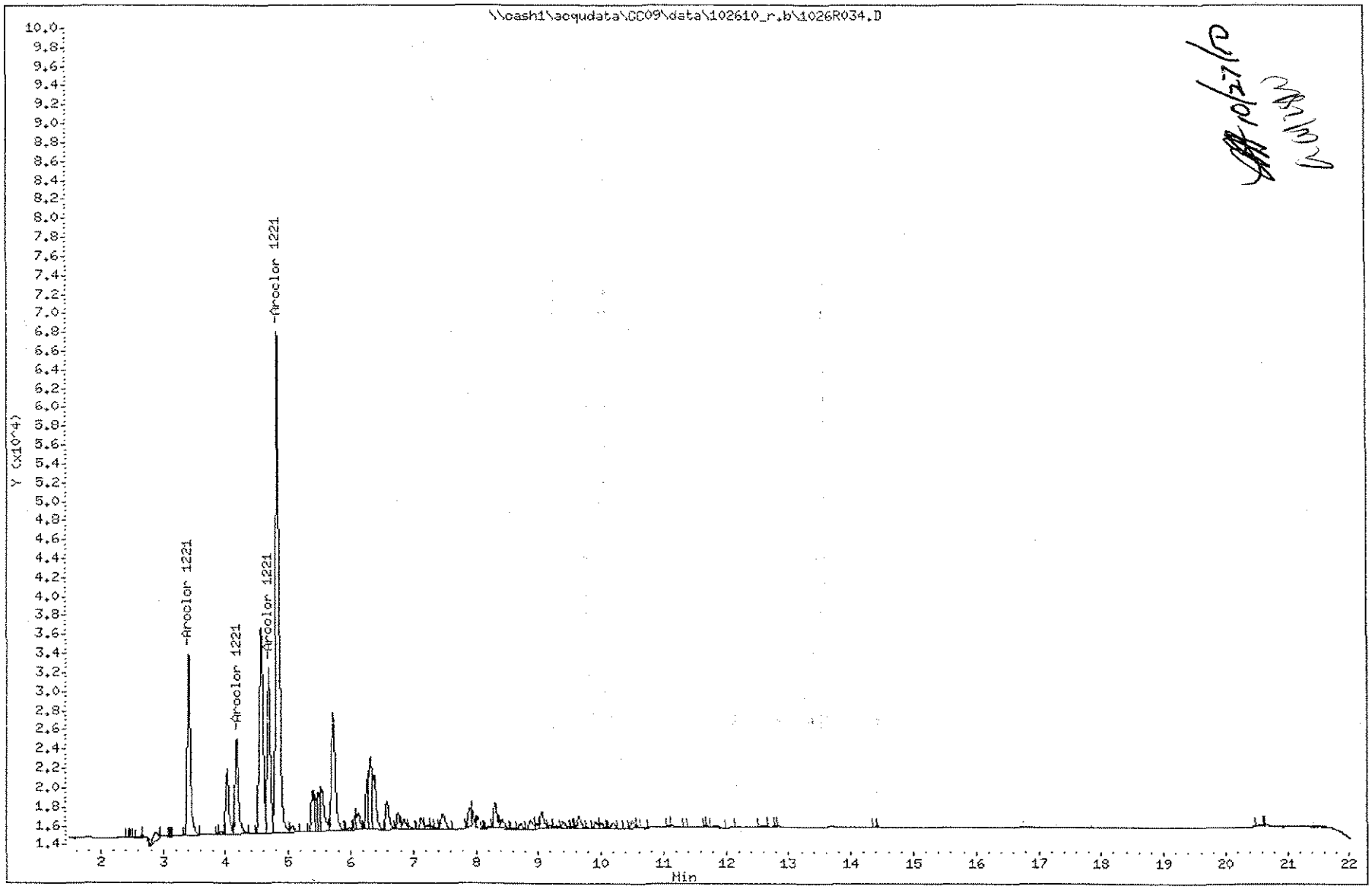
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R034.D
Date : 27-OCT-2010 13:48
Client ID:
Sample Info: 1221 @ 1000ppb | PCB5-62R

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

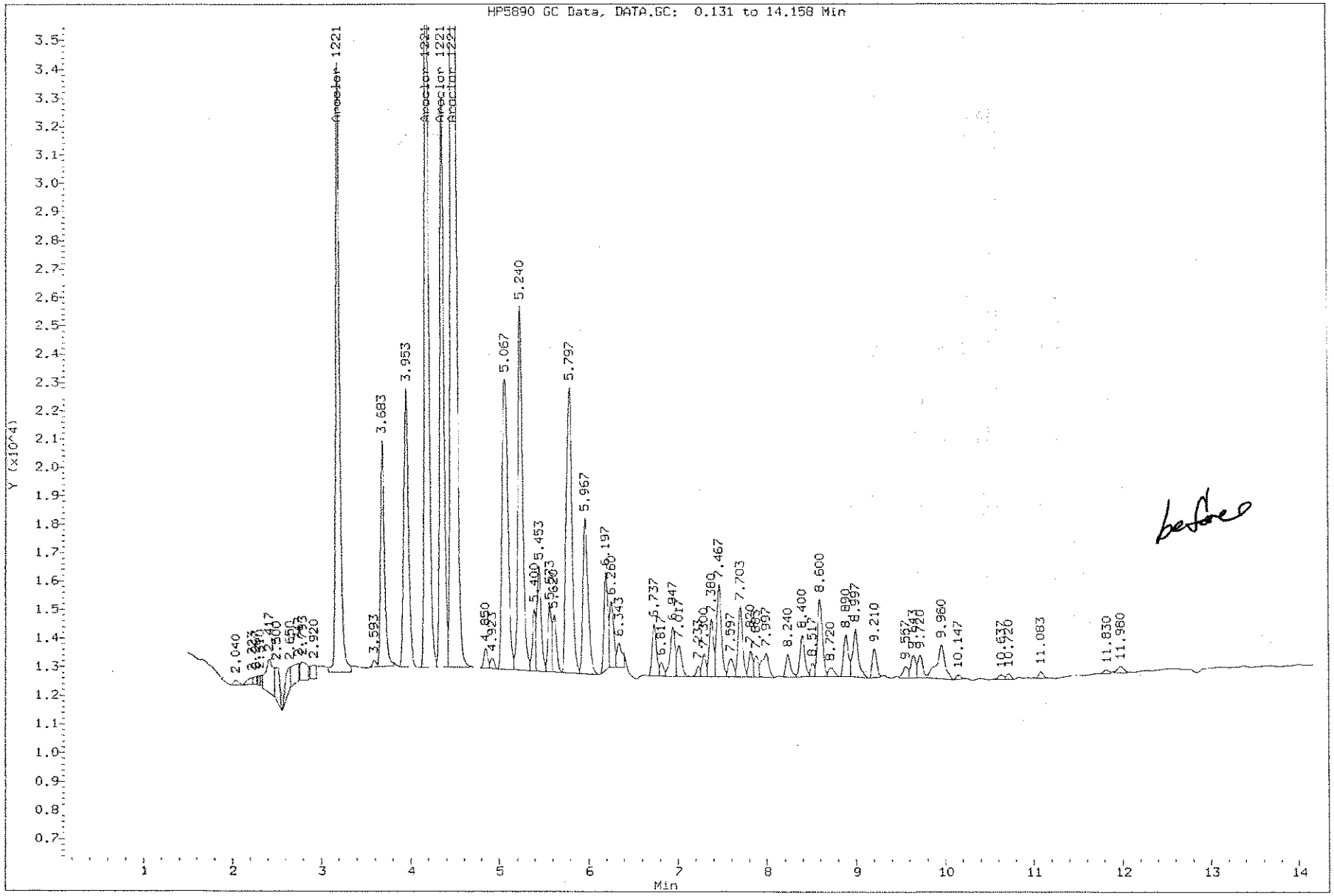
Column diameter: 0.53



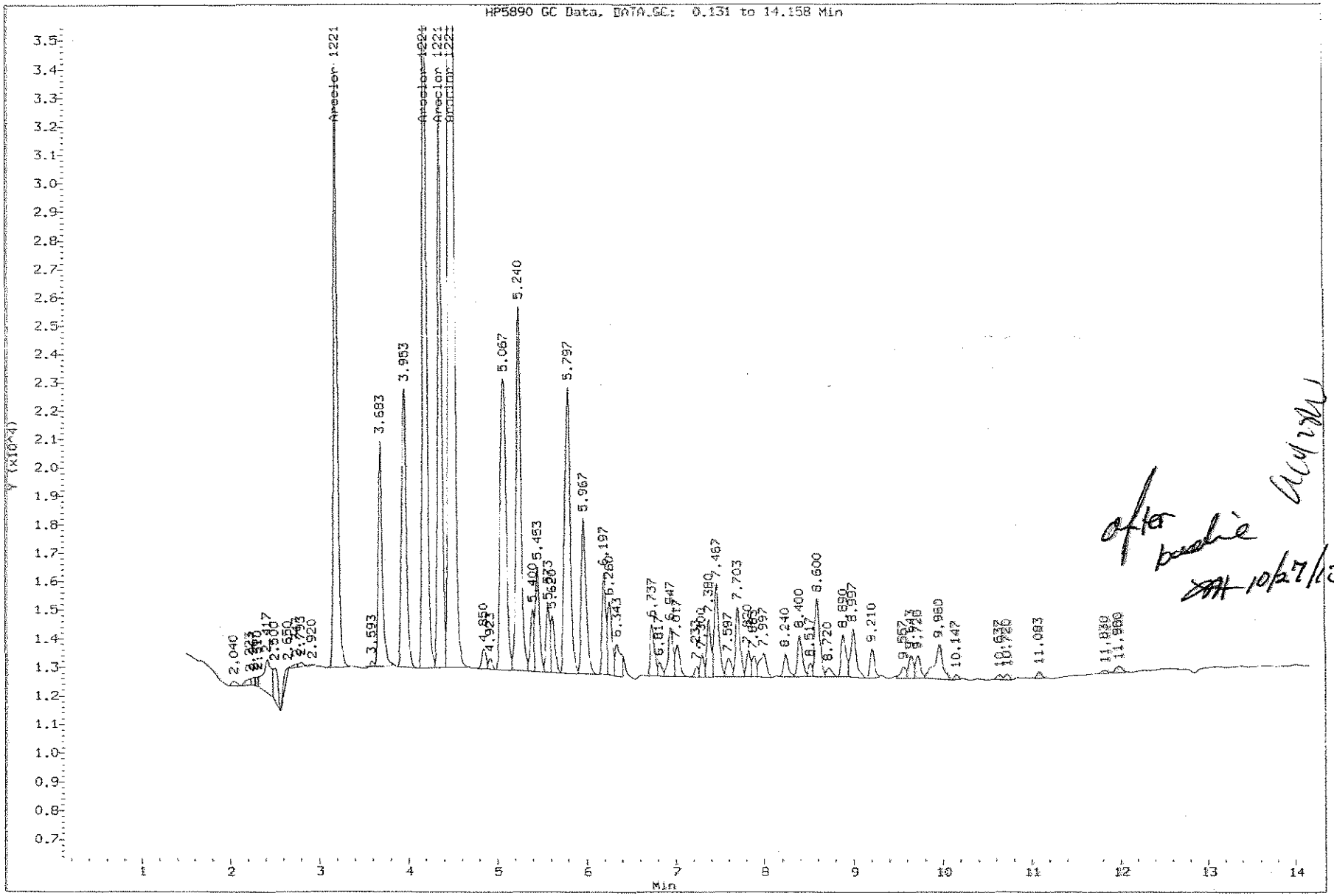
10/27/10

1351

Data File: \\cosh1\acqudata\GC09\data\102610.B\1026F034.D
Injection Date: 27-OCT-2010 13:48
Instrument: GC09.i
Client Sample ID:



Data File: \\cash1\accudata\GC09\data\102610.B\1026F034.D
Injection Date: 27-OCT-2010 13:48
Instrument: GC09.i
Client Sample ID:



after purge
10/27/10

1353

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F035.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F035.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R035.D
Inj Date : 27-OCT-2010 14:14
Sample Info: 1232 @ 1000ppb | PCB5-62S
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1232.SUB
Sub List #2 : AR1232.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	4.480	4.830	162882	162886	1020	1010	80.00- 120.00	100.00
	5.053	5.447	158775	61310	1080	1020	69.89- 104.84	97.78
	5.793	5.727	283401	114609	1080	1070	126.75- 190.12	174.53
	5.963	6.273	126049	97184	1090	1110	54.28- 81.42	77.62
		Average of Peak Amounts =			1070	1050		

10/27/10
a 10/28/10

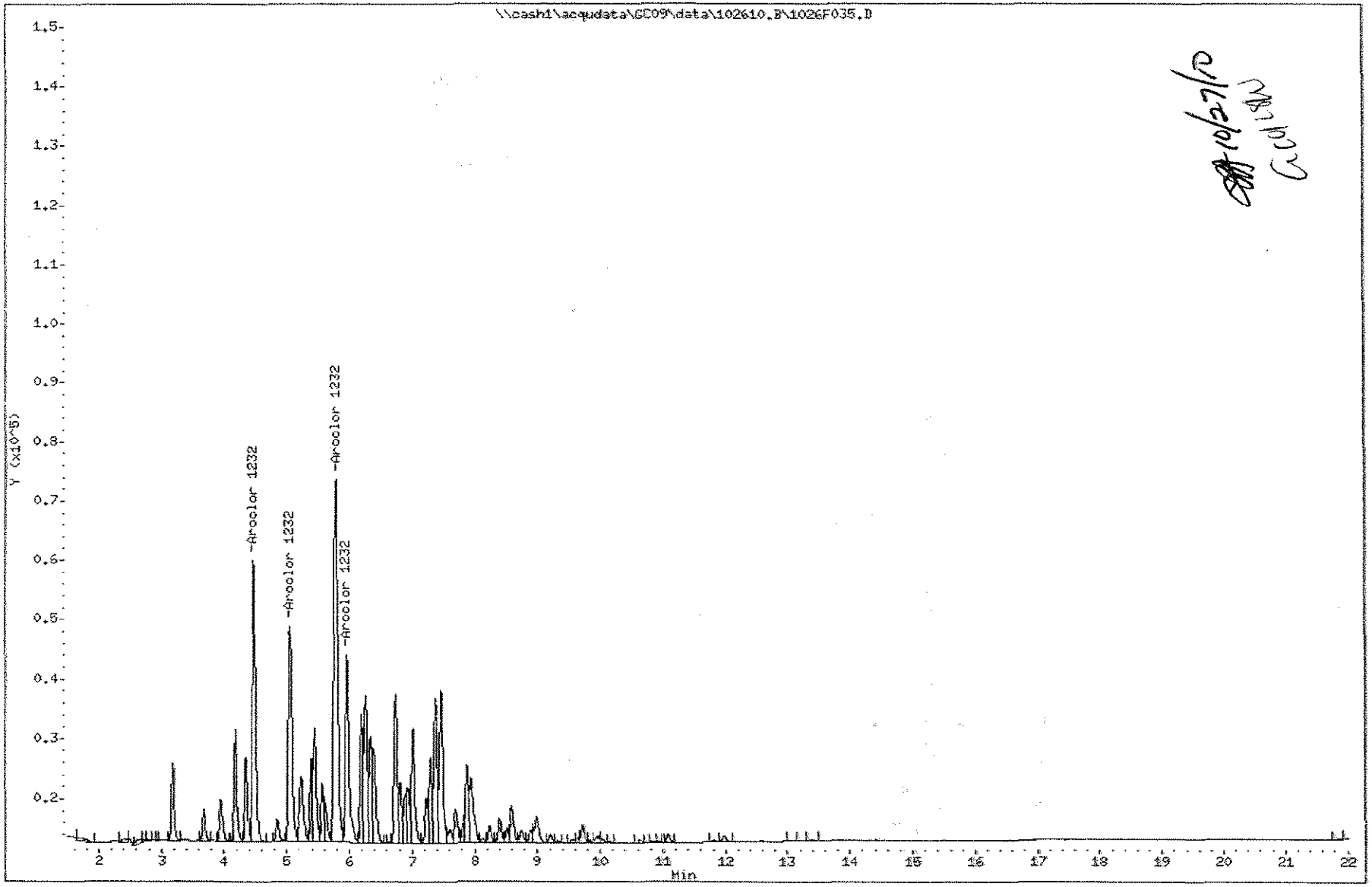
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F035.D
Date : 27-OCT-2010 14:14
Client ID:
Sample Info: 1232 @ 1000ppb | PCB5-62S

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



10/27/10

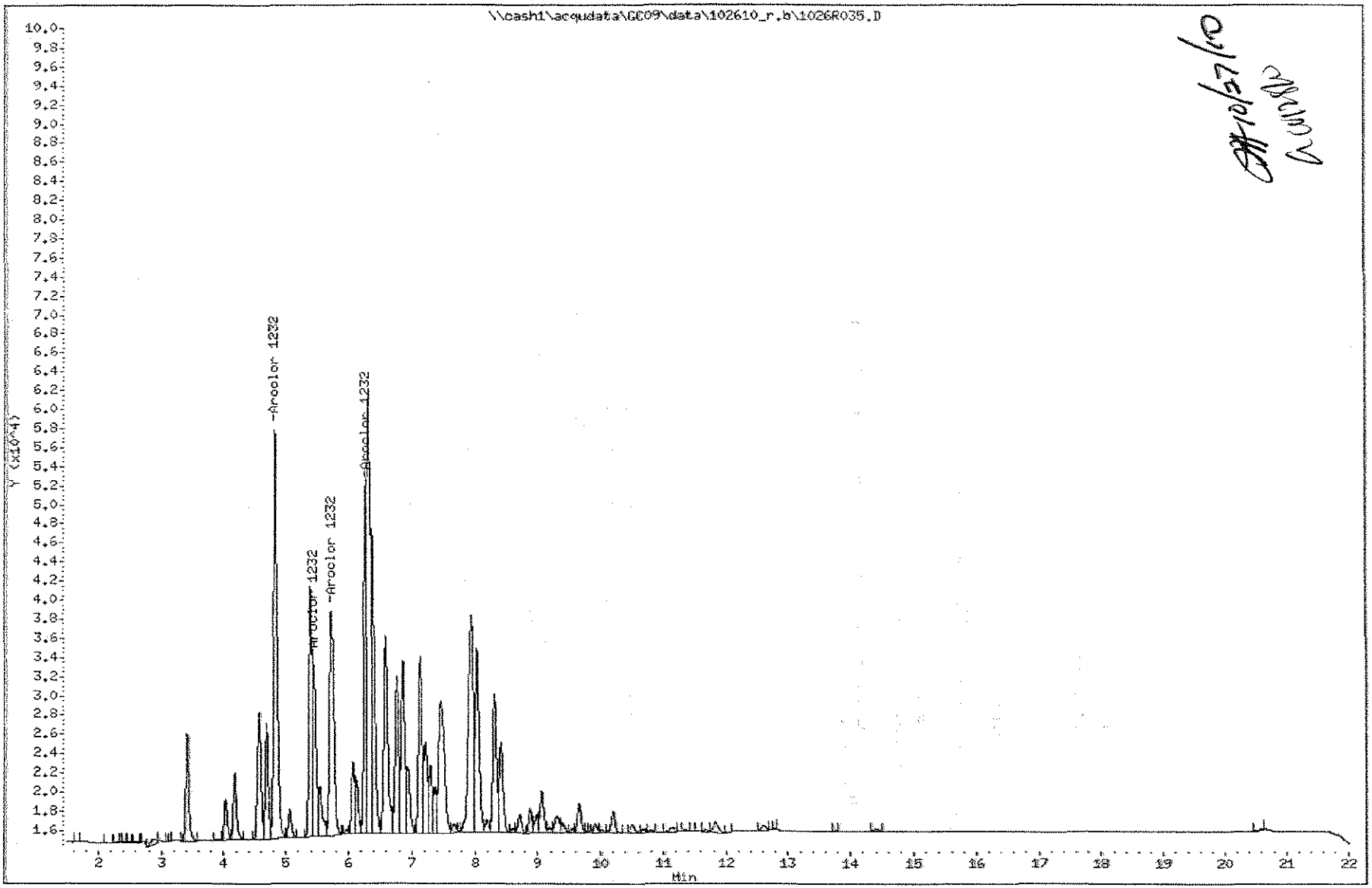
1355

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R035.D
Date : 27-OCT-2010 14:14
Client ID:
Sample Info: 1232 @ 1000ppb | PCB5-62S

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F036.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F036.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R036.D
Inj Date : 27-OCT-2010 14:41
Sample Info: 1242 @ 1000ppb | PCB5-63A
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1242.SUB
Sub List #2 : AR1242.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.053	5.447	235543	92464	862	1010	80.00- 120.00	100.00
	5.453	6.373	100266	184651	917	910	31.14- 46.71	42.57
	5.963	6.587	198540	149013	896	1020	61.93- 92.90	84.29
	6.343	6.763	99184	118245	848	1040	32.29- 48.44	42.11
	6.737	6.860	147976	129441	902	949	48.04- 72.05	62.82
			Average of Peak Amounts =		885	986		

10/27/10

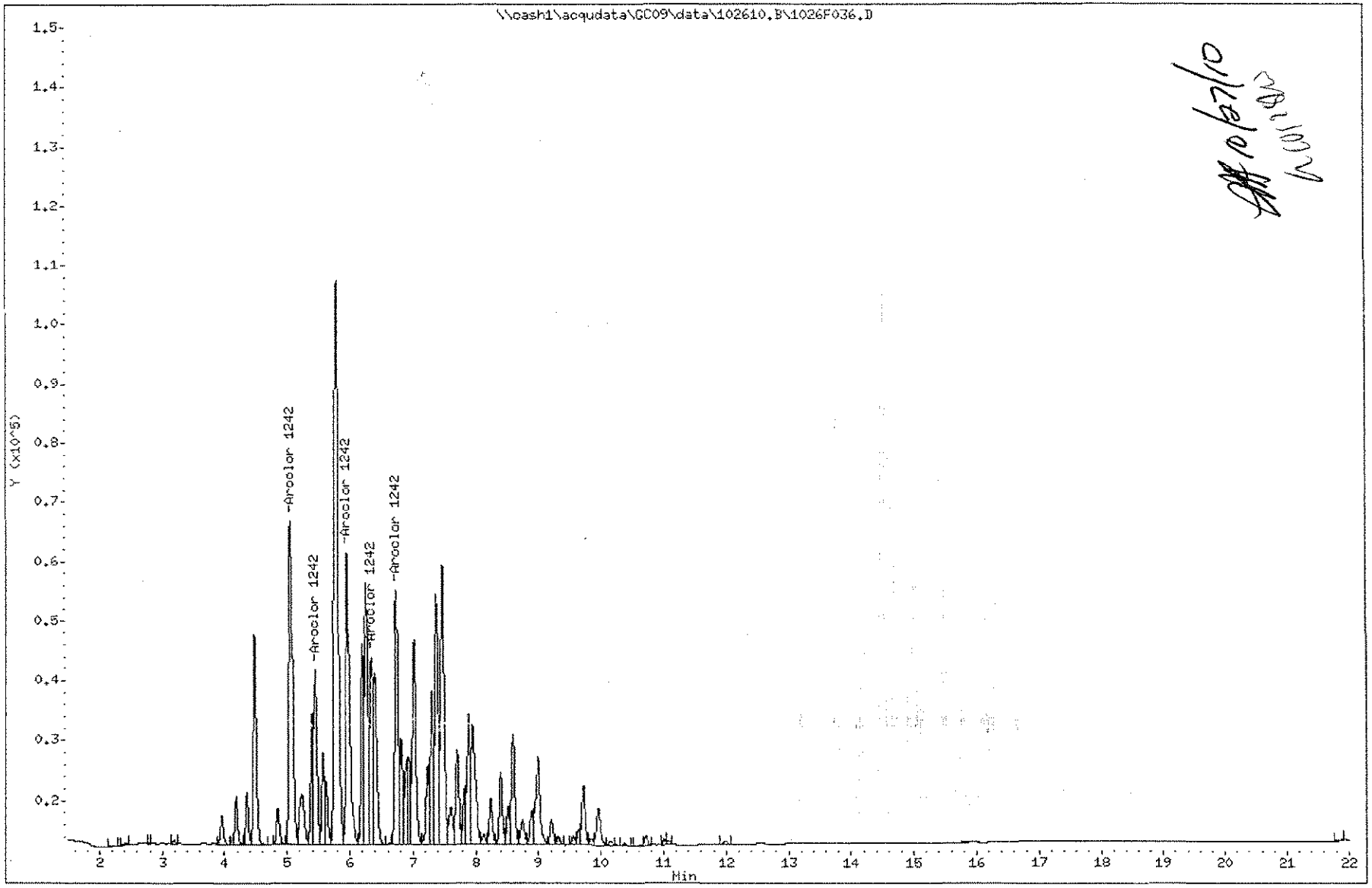
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F036.D
Date : 27-OCT-2010 14:41
Client ID:
Sample Info: 1242 @ 1000ppb | PCB5-63A

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



1358

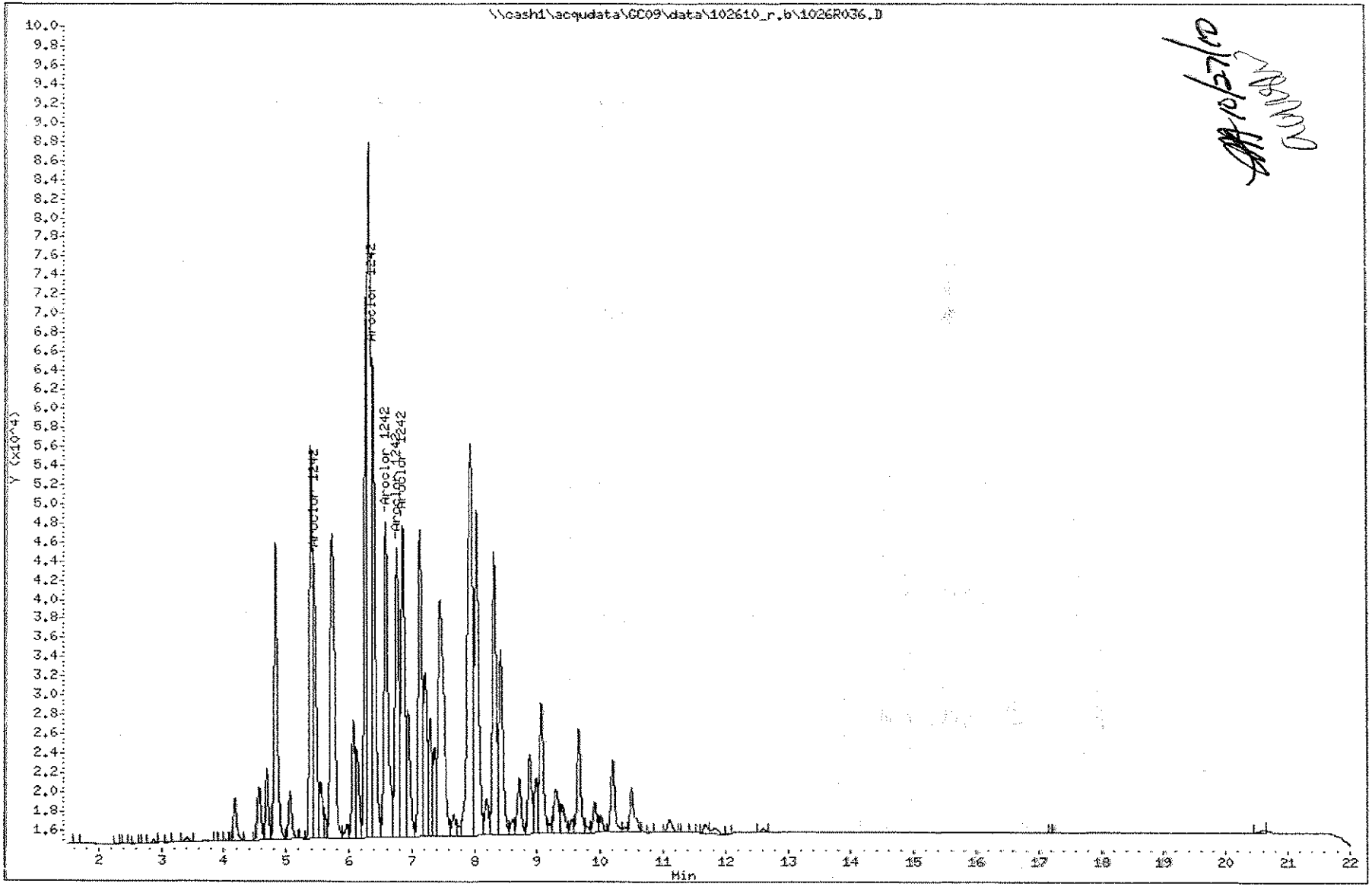
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R036.D
Date : 27-OCT-2010 14:41
Client ID:
Sample Info: 1242 @ 1000ppb | PCB5-63A

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1359

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F037.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F037.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R037.D
Inj Date : 27-OCT-2010 15:08
Sample Info: 1248 @ 1000ppb | PCB5-63B
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.260	6.857	213771	162780	917	896	80.00- 120.00	100.00
	6.737	7.130	198951	176422	892	908	70.47- 105.71	93.07
	7.017	7.943	160873	347605	883	879	52.40- 78.60	75.25
	7.377	8.040	228412	207657	878	860	81.94- 122.90	106.85
	7.467	8.317	262569	184786	870	883	96.32- 144.48	122.83
			Average of Peak Amounts =		888	885		

10/27/10
Aa128

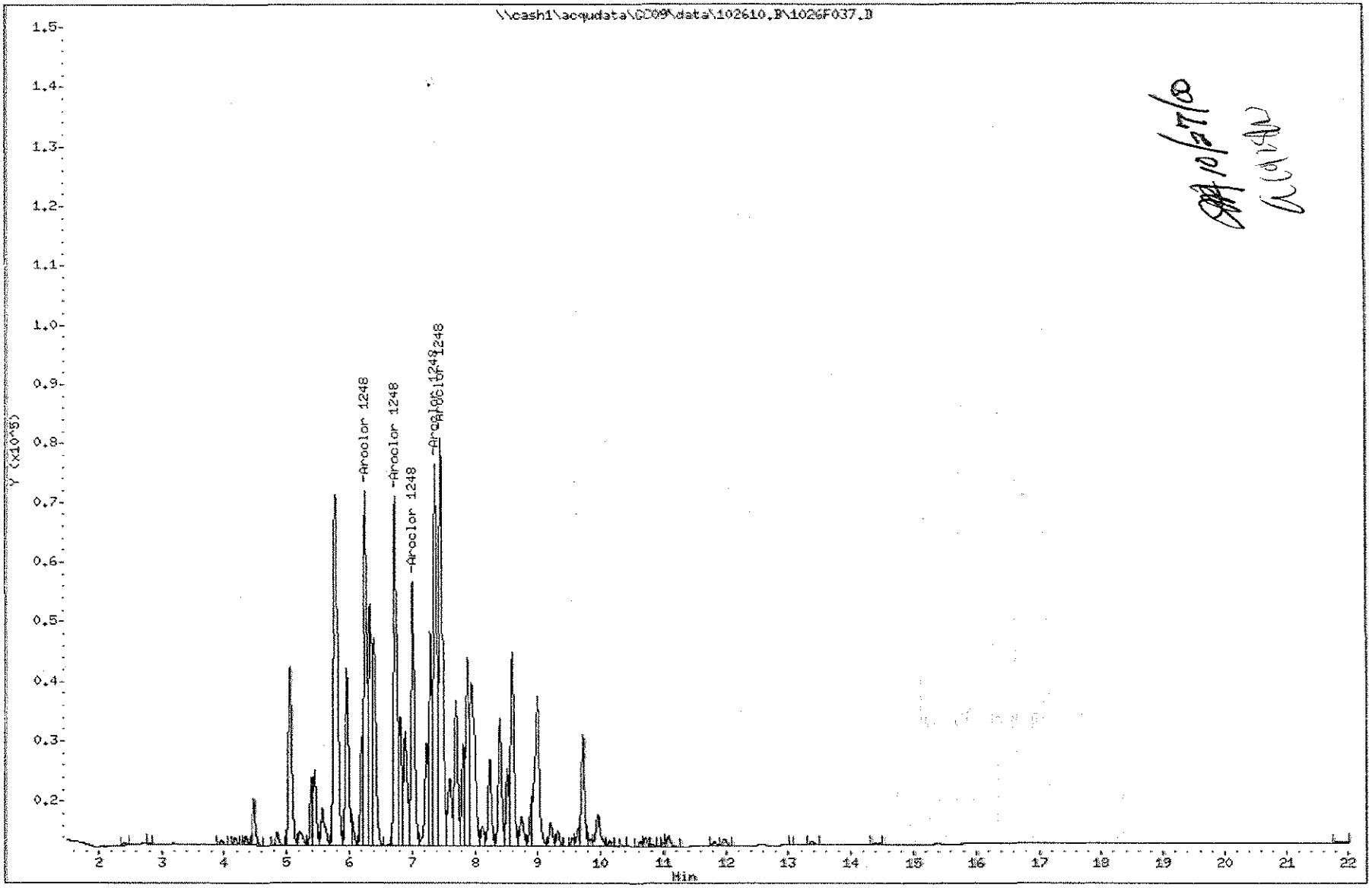
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F037.D
Date : 27-OCT-2010 15:08
Client ID:
Sample Info: 1248 @ 1000ppb ; PCB5-63B

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



10/27/10

1361

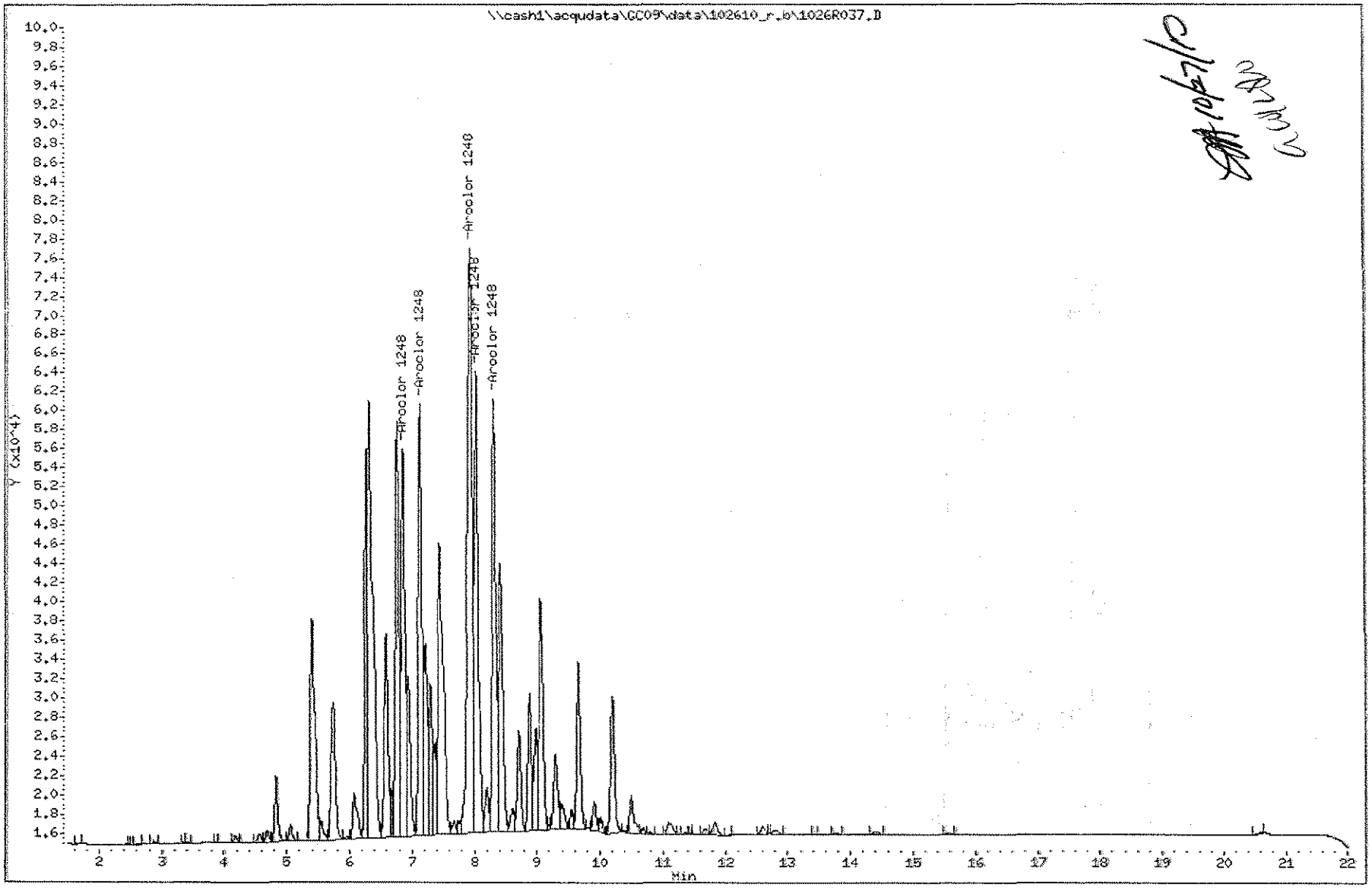
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R037.D
Date : 27-OCT-2010 15:08
Client ID:
Sample Info: 1248 @ 1000ppb | PCB5-63B

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1362

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F038.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F038.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R038.D
Inj Date : 27-OCT-2010 15:34
Sample Info: 1254 @ 1000ppb | PCB5-63C
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1254.SUB
Sub List #2 : AR1254.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1254	7.703	8.320	326319	368645	945	910	80.00- 120.00	100.00
	8.400	8.880	239701	201395	1000	1080	53.50- 80.26	73.46
	8.597	9.063	462151	375848	951	1050	111.76- 167.65	141.63
	8.997	9.657	401945	295157	949	1020	97.53- 146.29	123.18
	9.207	10.500	207351	353542	967	1120	49.15- 73.73	63.54
			Average of Peak Amounts =		962	1040		

10/27/10

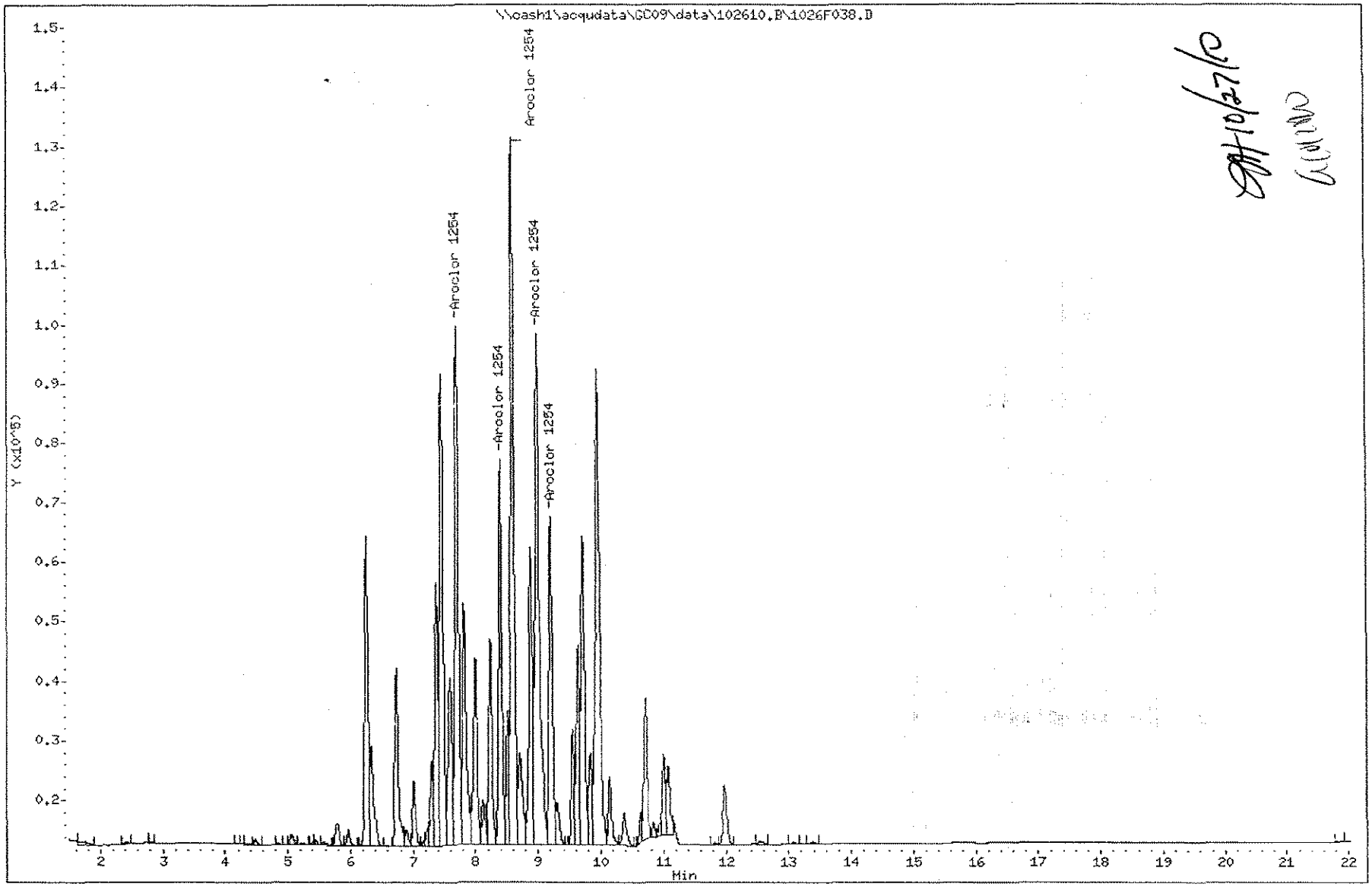
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F038.D
Date : 27-OCT-2010 15:34
Client ID:
Sample Info: 1254 @ 1000ppb | PCB5-63C

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



10/27/10

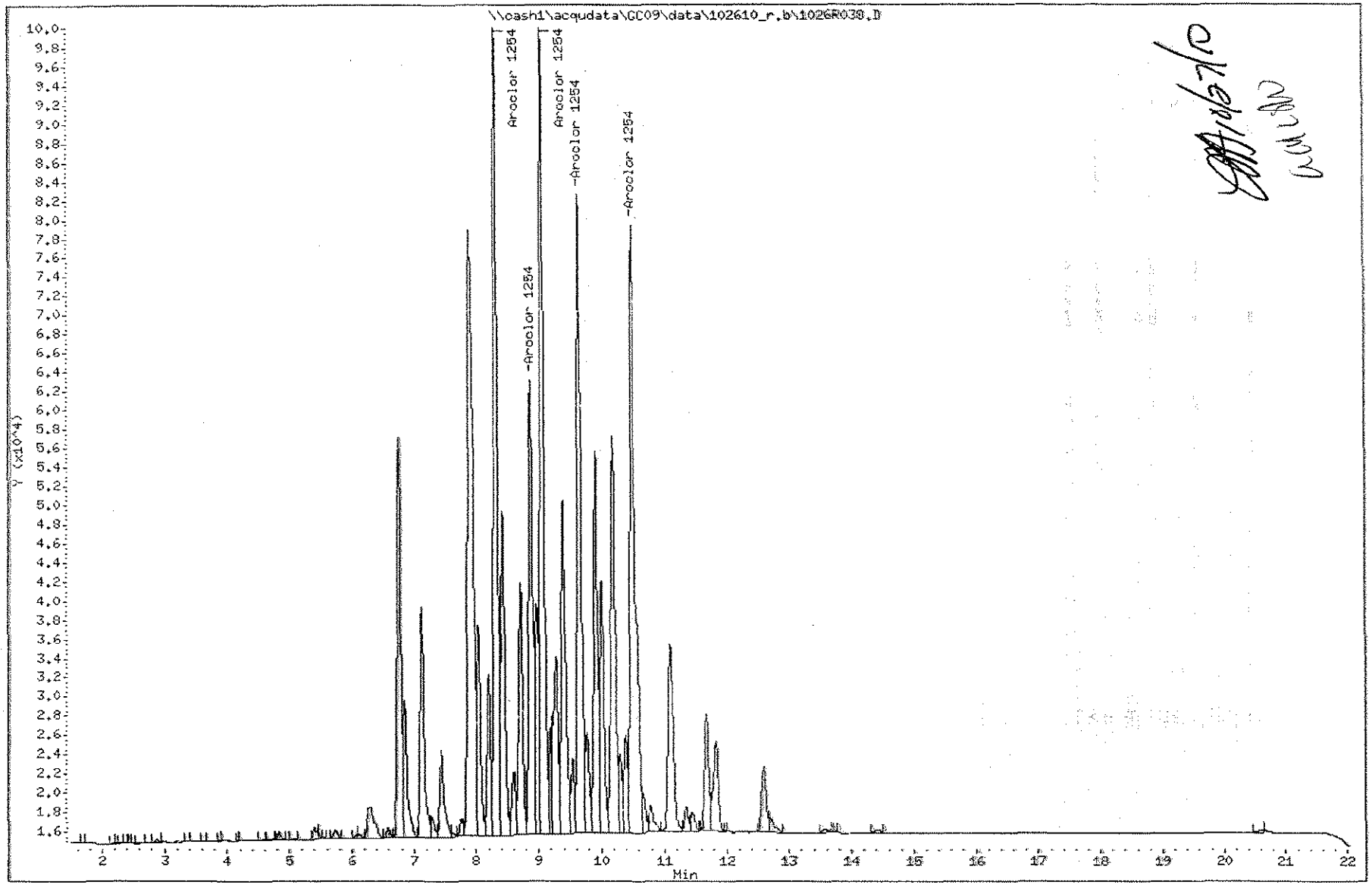
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R038.D
Date : 27-OCT-2010 15:34
Client ID:
Sample Info: 1254 @ 1000ppb ! PCB5-63C

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



Data File: \\cash1\acqudata\GC09\data\102610.B\1026F039.D
Report Date: 27-Oct-2010 18:23

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F039.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R039.D
Inj Date : 27-OCT-2010 16:01
Sample Info: 1260 @ 1000ppb | PCB5-63D
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1260.sub
Sub List #2 : AR1260.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1260	9.207	9.400	394643	296729	1010	1110	80.00- 120.00	100.00
	9.957	9.920	387591	329914	946	1090	90.96- 136.44	98.21
	10.030	10.503	303879	388702	1250	1060	53.30- 79.96	77.00
	10.637	11.147	291759	301337	1240	1240	56.86- 85.28	73.93
	11.083	11.837	608152	559591	1240	1240	119.58- 179.38	154.10
			Average of Peak Amounts =		1140	1150		

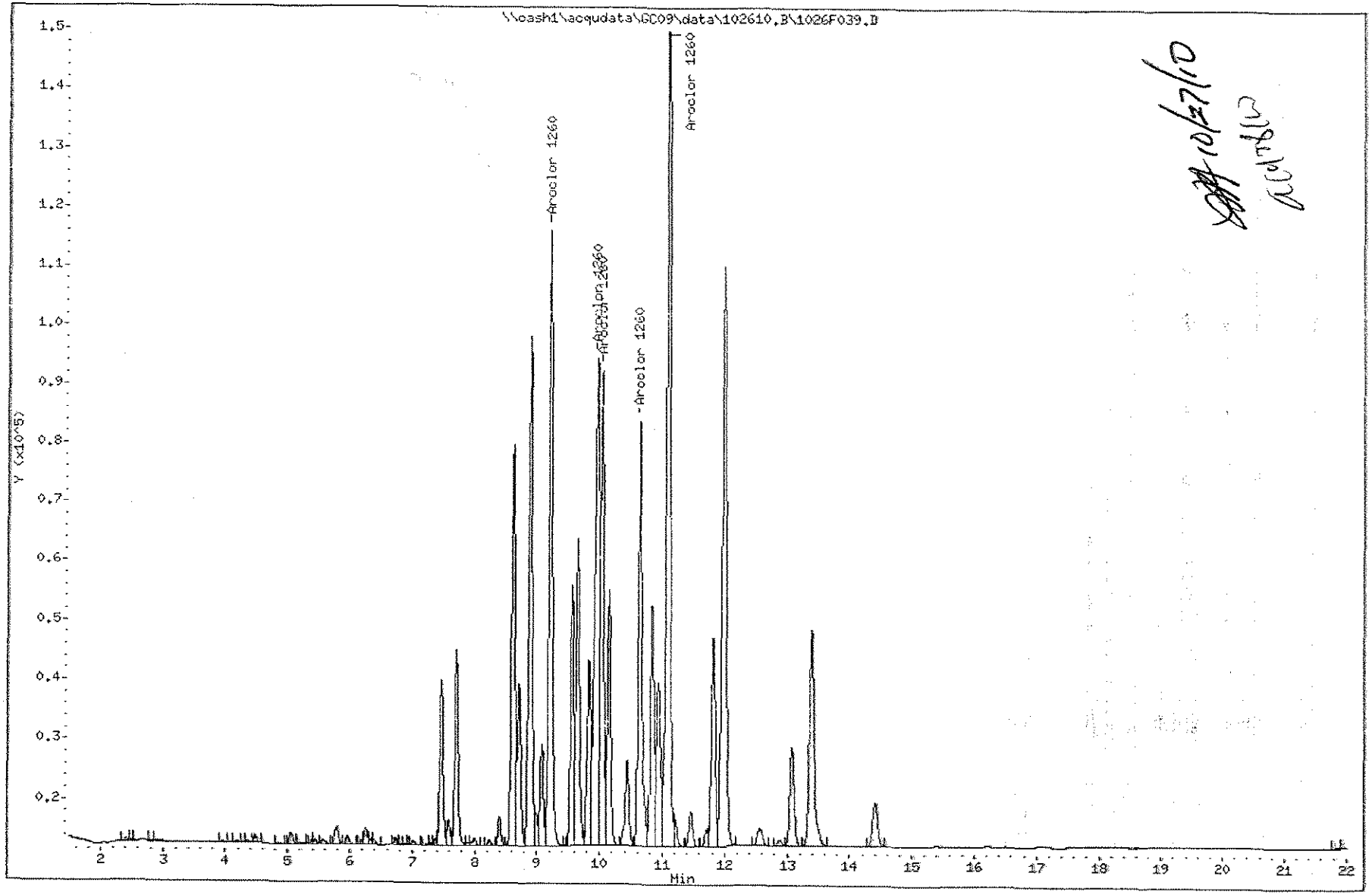
10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F039.D
Date : 27-OCT-2010 16:01
Client ID:
Sample Info: 1260 @ 1000ppb | PCB5-63D

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



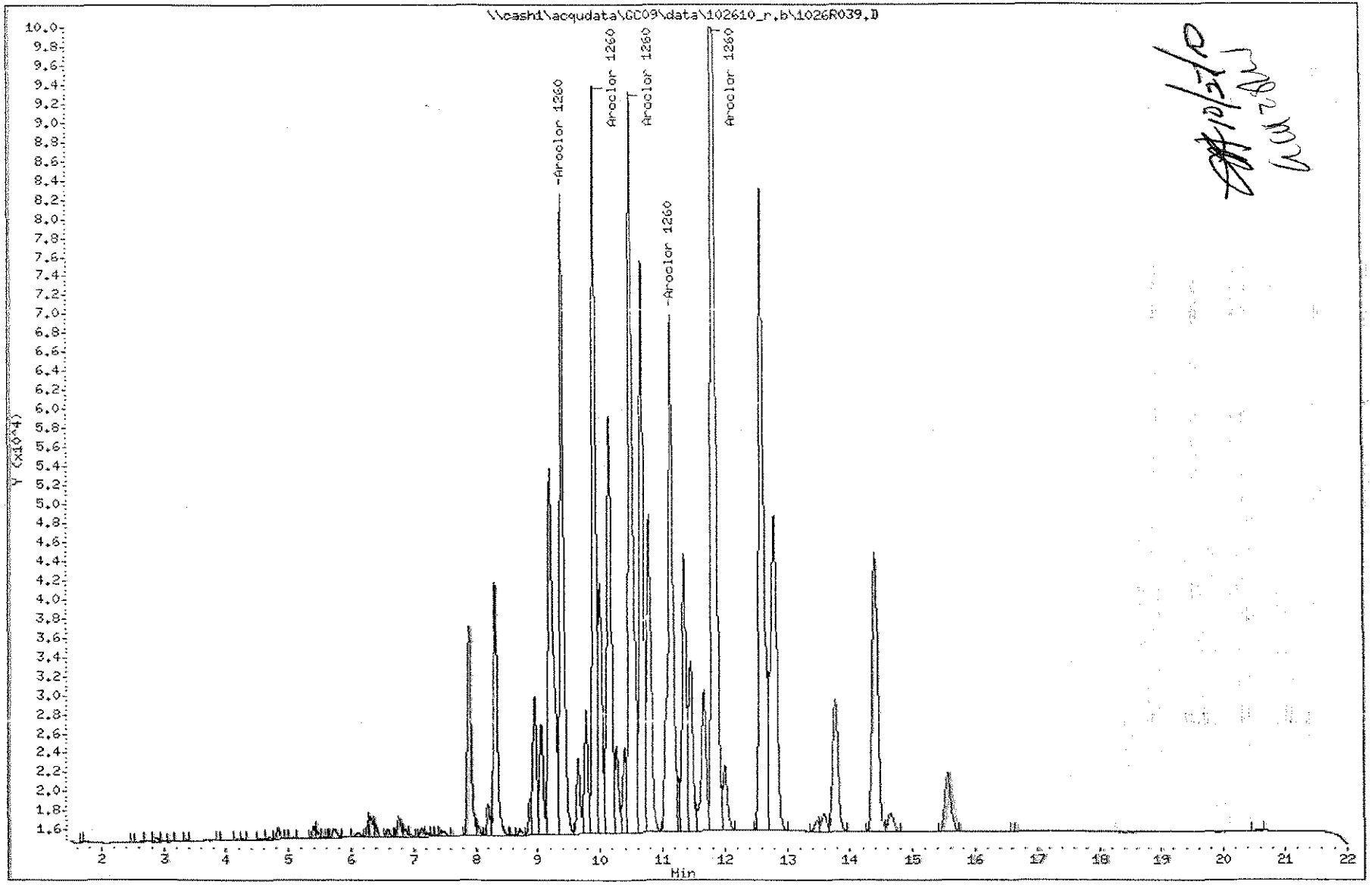
1367

Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R039.D
Date : 27-OCT-2010 16:01
Client ID:
Sample Info: 1260 @ 1000ppb + PCB5-63D

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



1368

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F040.D
Report Date: 27-Oct-2010 18:24

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F040.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R040.D
Inj Date : 27-OCT-2010 16:27
Sample Info: 1262 @ 1000ppb | PCB5-63E
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1262.SUB
Sub List #2 : AR1262.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1262	10.033	10.507	431940	249495	1050	1190	80.00- 120.00	100.00
	10.637	10.680	349744	366105	1080	1120	60.84- 91.26	80.97
	11.083	11.837	675978	622188	1160	1130	112.15- 168.23	156.50
	11.817	12.607	301555	470585	1170	1140	50.32- 75.47	69.81
	11.980	12.803	531207	356599	1150	1160	88.90- 133.35	122.98
			Average of Peak Amounts =		1120	1150		

10/27/10
10/27/10

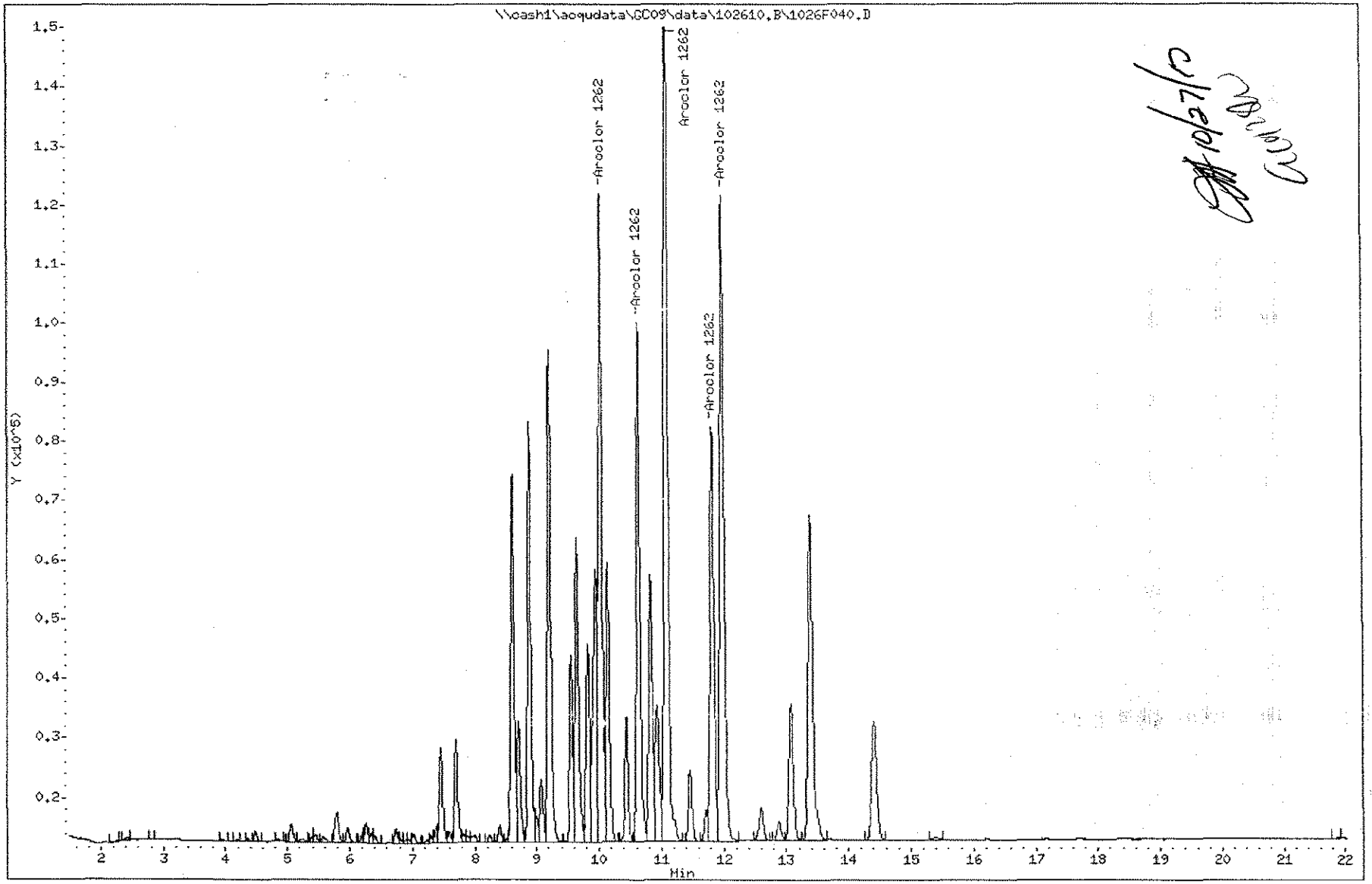
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F040.D
Date : 27-OCT-2010 16:27
Client ID:
Sample Info: 1262 @ 1000ppb | PCB5-63E

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



1370

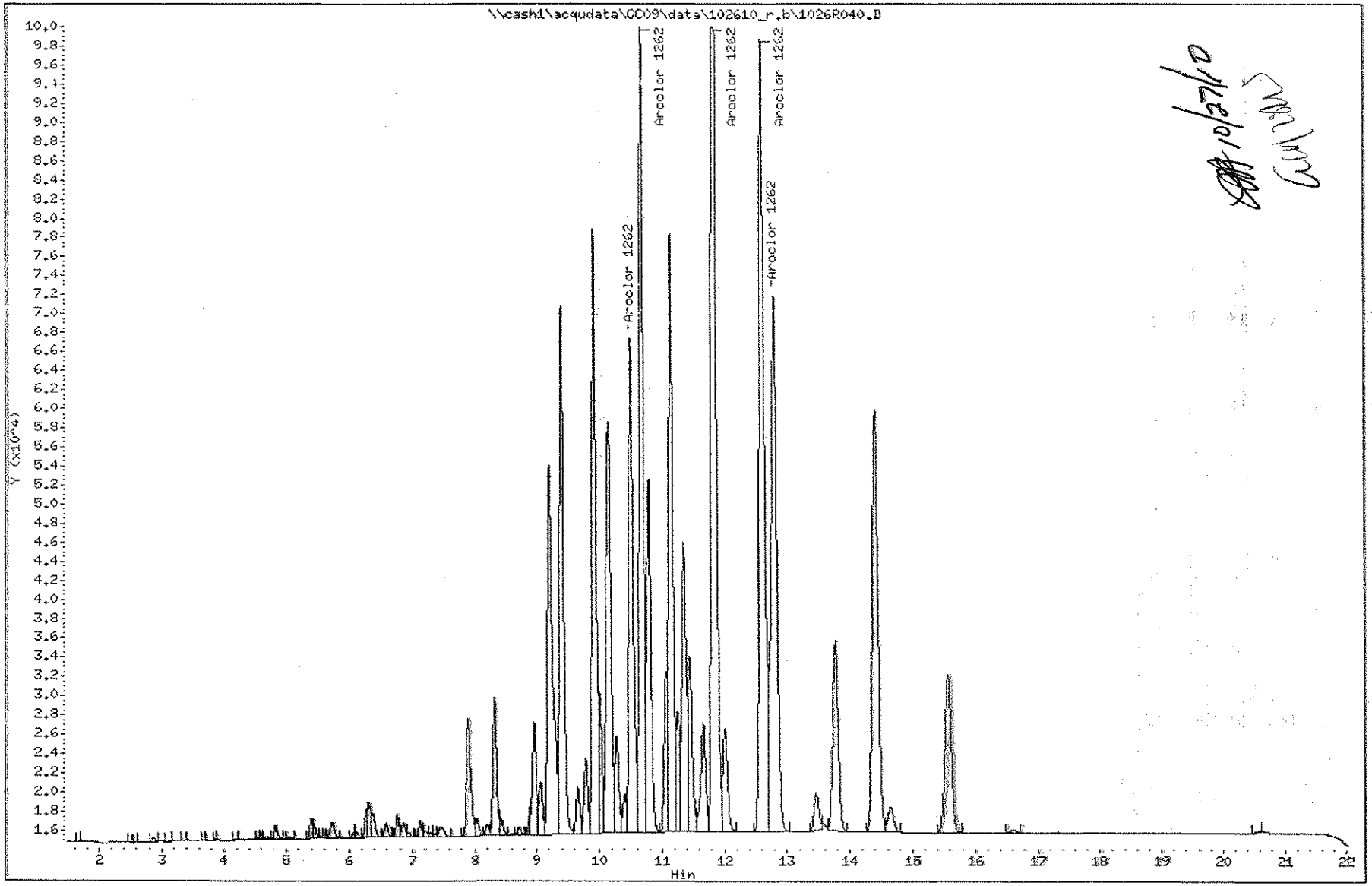
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R040.D
Date : 27-OCT-2010 16:27
Client ID:
Sample Info: 1262 @ 1000ppb I PCB5-63E

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



10/27/10

Data File: \\cash1\acqudata\GC09\data\102610.B\1026F041.D
Report Date: 27-Oct-2010 18:24

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\102610.B\1026F041.D
Sample #2 : \\cash1\acqudata\GC09\data\102610_r.b\1026R041.D
Inj Date : 27-OCT-2010 16:54
Sample Info: 1268 @ 1000ppb | PCB5-63F
Misc Info :
Cal Date : 27-OCT-2010 16:37
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\102610.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\102610_r.b\102610_r.m
Sub List #1 : AR1268.SUB
Sub List #2 : AR1268.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1268	11.817	12.610	650055	640474	744	731	80.00- 120.00	100.00
	11.967	12.810	625565	614406	813	803	72.24- 108.36	96.23
	12.597	13.467	550090	549613	885	875	58.58- 87.86	84.75
	12.877	13.733	154880	167608	1010	946	12.92- 19.23	23.83
	13.387	14.410	255494	255297	936	914	23.76- 35.64	39.30
			Average of Peak Amounts =		878	854		

10/27/10

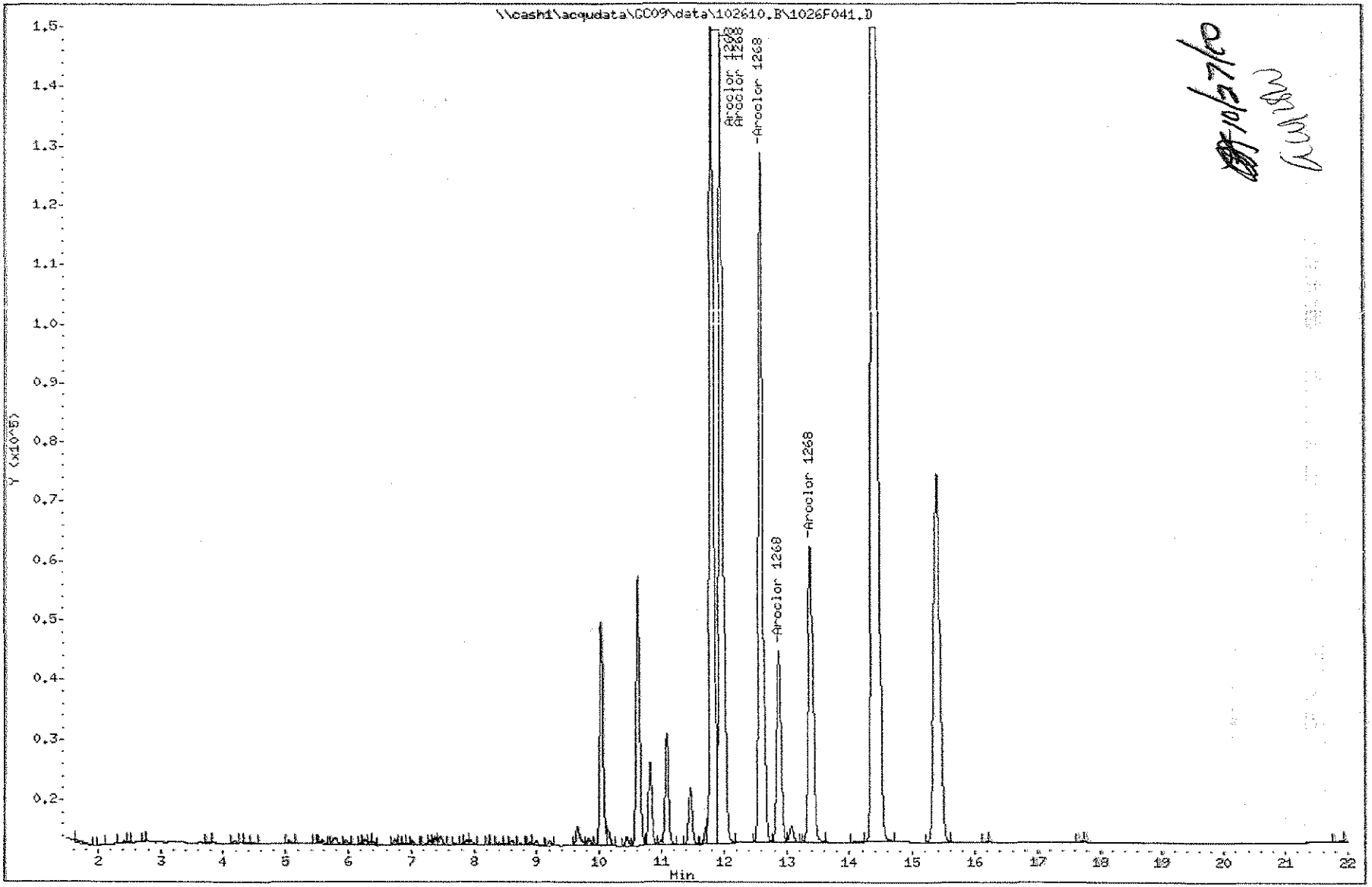
Data File: \\cash1\acqudata\GC09\data\102610.B\1026F041.D
Date : 27-OCT-2010 16:54
Client ID:
Sample Info: 1268 @ 1000ppb / PCB5-63F

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



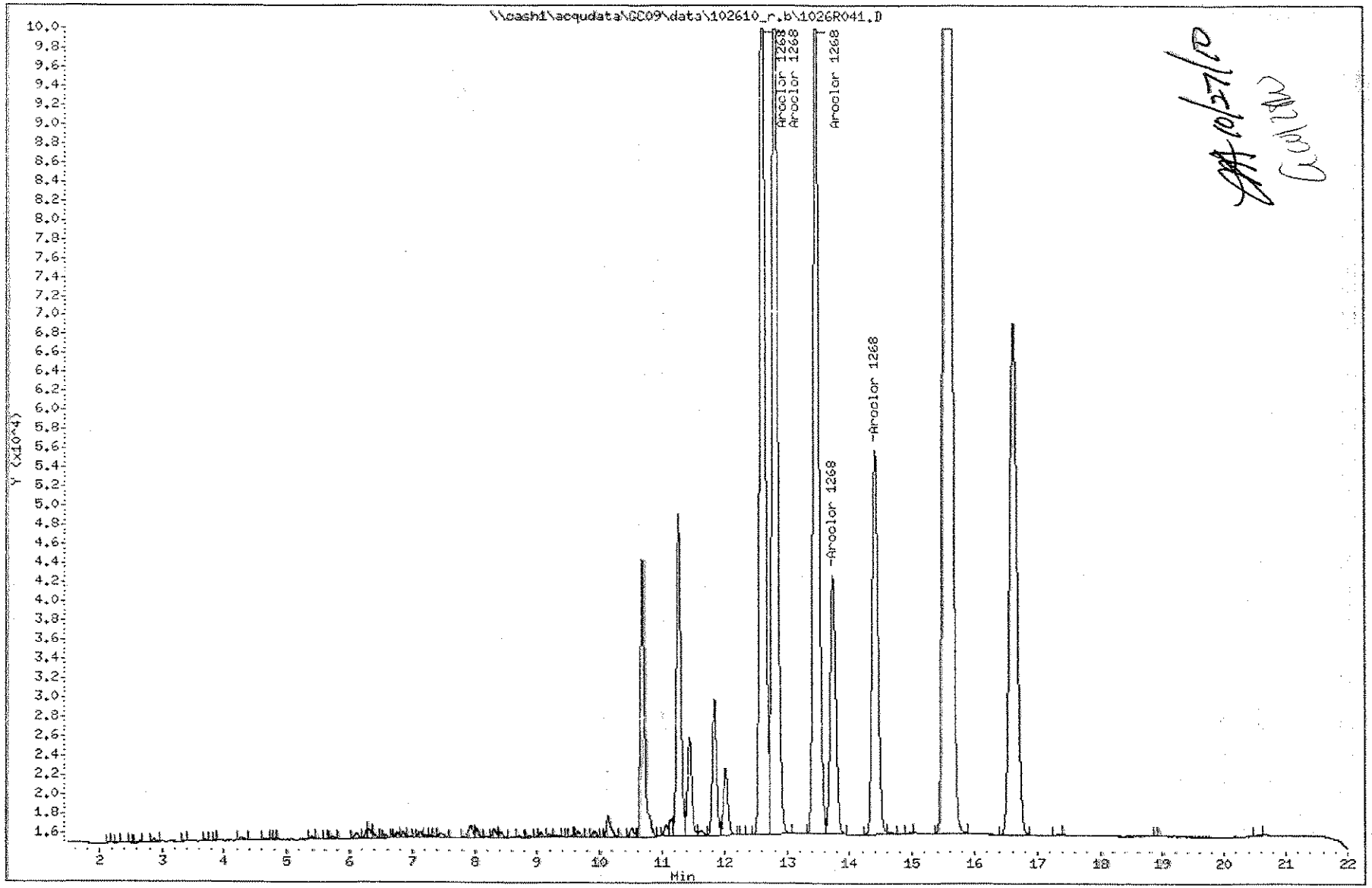
Data File: \\cash1\acqudata\GC09\data\102610_r.b\1026R041.D
Date : 27-OCT-2010 16:54
Client ID:
Sample Info: 1268 @ 1000ppb / PCB5-63F

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



10/27/10

1374

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/24/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls(PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1012978
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F012.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	54	5200	5580	7	NA	± 20 %	AverageRF
Aroclor 1016	500	560	NA	NA	NA	13	± 20 %	NA
Aroclor 1016 {1}	500	600	66.0	78.6	19	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	580	116	134	16	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	560	239	268	12	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	510	117	118	1	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	580	167	193	16	NA	± 100 %	AverageRF
Aroclor 1260	500	540	NA	NA	NA	8	± 20 %	NA
Aroclor 1260 {1}	500	530	391	414	6	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	520	410	425	4	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	560	243	272	12	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	580	235	271	15	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	530	490	516	5	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/24/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls(PCBs)

Calibration Type:	External Standard	**Calibration Date:**	10/27/2010
Analysis Method:	8082	**Calibration ID:**	CAL9990
		Analysis Lot:	KWG1012978
		Units:	ng/mL
File ID:	\\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R012.D	**Column ID:**	DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	55	5560	6140	11	NA	± 20 %	AverageRF
Aroclor 1016	500	580	NA	NA	NA	16	± 20 %	NA
Aroclor 1016 {1}	500	560	169	189	12	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	580	164	192	17	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	590	131	156	19	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	580	152	176	16	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	590	139	163	17	NA	± 100 %	AverageRF
Aroclor 1260	500	550	NA	NA	NA	11	± 20 %	NA
Aroclor 1260 {1}	500	580	267	308	15	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	550	303	331	9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	560	368	411	12	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	570	243	277	14	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	520	449	468	4	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F012.D
Lab ID: KWG1012978-2
RunType: CCV
Matrix: NOT APPLICABLE

Date Acquired: 11/24/2010 15:50
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: WMan

Exception Report

Data File: \\CASHI\ACQUDATA\GC09\DATA\112410A_R.B\1124R012.D
Lab ID: KWG1012978-2
RunType: CCV
Matrix: NOT APPLICABLE

Date Acquired: 11/24/2010 15:50
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: M Mag 11/30

Printed: 11/29/2010 10:13:30
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	NOT APPLICABL
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012978	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:			
MB Ref:		**Method ID:**	MJ346
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F012.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R012.D			**Vial:**	96
Acqu Date:	11/24/2010 15:50	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012978-2				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.75	4.31	320104	320603	55.65	56.56			NA
				%Recovery =	NA	NA	Limits =	70-130	
Decachlorobiphenyl	15.32	16.53	279185	307031	53.66	55.27			NA
				%Recovery =	NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	563.87	580.80			
Aroclor 1016 {1}	5.37	5.36	39311	94413	595.18	558.88			
Aroclor 1016 {2}	5.42	6.55	67092	95957	579.54	584.39			
Aroclor 1016 {3}	5.93	6.73	133884	77884	559.63	594.73			
Aroclor 1016 {4}	6.17	6.82	59212	88160	507.09	580.30			
Aroclor 1016 {5}	6.70	7.10	96280	81316	577.92	585.71			
Aroclor 1260			0	0	541.91	554.63			
Aroclor 1260 {1}	9.17	9.36	207075	153785	529.67	575.54			
Aroclor 1260 {2}	9.92	9.88	212669	165581	519.03	547.38			
Aroclor 1260 {3}	9.99	10.46	136066	205732	558.80	558.92			
Aroclor 1260 {4}	10.60	11.10	135294	138493	575.56	570.83			
Aroclor 1260 {5}	11.04	11.79	257949	233838	526.47	520.51			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
c: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Calibration Verification Report

Calibration ID: CAL9990
Method ID: MJ346
DataFile: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F012.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	20					563.9	500.0	12.8
Aroclor 1260		MS	NA	20					541.9	500.0	8.4
Tetrachloro-m-xylene		SURR	AverageRF	20		5.8E+3	6.4E+3	11.3			
Aroclor 1016 {1}		MULTI	AverageRF	100		6.6E+1	7.9E+1	19.0			
Aroclor 1016 {2}		MULTI	AverageRF	100		1.2E+2	1.3E+2	15.9			
Aroclor 1016 {3}		MULTI	AverageRF	100		2.4E+2	2.7E+2	11.9			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.2E+2	1.2E+2	1.4			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.7E+2	1.9E+2	15.6			
Aroclor 1260 {1}		MULTI	AverageRF	100		3.9E+2	4.1E+2	5.9			
Aroclor 1260 {2}		MULTI	AverageRF	100		4.1E+2	4.3E+2	3.8			
Aroclor 1260 {3}		MULTI	AverageRF	100		2.4E+2	2.7E+2	11.8			
Aroclor 1260 {4}		MULTI	AverageRF	100		2.4E+2	2.7E+2	15.1			
Aroclor 1260 {5}		MULTI	AverageRF	100		4.9E+2	5.2E+2	5.3			
Decachlorobiphenyl		SURR	AverageRF	20		5.2E+3	5.6E+3	7.3			

Calibration Verification Report

Calibration ID: CAL9990
Method ID: MJ346

DataFile: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R012.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	20					580.8	500.0	16.2
Aroclor 1260		MS	NA	20					554.6	500.0	10.9
Tetrachloro-m-xylene		SURR	AverageRF	20		5.7E+3	6.4E+3	13.1			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.7E+2	1.9E+2	11.8			
Aroclor 1016 {2}		MULTI	AverageRF	100		1.6E+2	1.9E+2	16.9			
Aroclor 1016 {3}		MULTI	AverageRF	100		1.3E+2	1.6E+2	18.9			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.5E+2	1.8E+2	16.1			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.4E+2	1.6E+2	17.1			
Aroclor 1260 {1}		MULTI	AverageRF	100		2.7E+2	3.1E+2	15.1			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.0E+2	3.3E+2	9.5			
Aroclor 1260 {3}		MULTI	AverageRF	100		3.7E+2	4.1E+2	11.8			
Aroclor 1260 {4}		MULTI	AverageRF	100		2.4E+2	2.8E+2	14.2			
Aroclor 1260 {5}		MULTI	AverageRF	100		4.5E+2	4.7E+2	4.1			
Decachlorobiphenyl		SURR	AverageRF	20		5.6E+3	6.1E+3	10.5			

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F012.D
Report Date: 29-Nov-2010 09:29

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F012.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R012.D
Inj Date : 24-NOV-2010 15:50
Sample Info: 1660 @ 500ppb | PCB5-55H
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.747	4.310	320104	320603	55.6	56.6		100.00
Aroclor 1016	5.370	5.363	39311	94413	595	559	80.00- 120.00	100.00
	5.420	6.553	67092	95957	580	584	146.05- 219.08	170.67
	5.933	6.727	133884	77884	560	595	286.59- 429.89	340.58
	6.167	6.823	59212	88160	507	580	129.01- 193.52	150.62
	6.703	7.097	96280	81316	578	586	205.62- 308.43	244.92
		Average of Peak Amounts =			564	581		
Aroclor 1260	9.170	9.360	207075	153785	530	576	80.00- 120.00	100.00
	9.920	9.877	212669	165581	519	547	82.23- 123.35	102.70
	9.990	10.463	136066	205732	559	559	52.09- 78.14	65.71
	10.597	11.100	135294	138493	576	571	51.96- 77.94	65.34
	11.040	11.787	257949	233838	526	520	99.50- 149.25	124.57
		Average of Peak Amounts =			542	555		
Decachlorobiphenyl	15.317	16.530	279185	307031	53.7	55.3		100.00

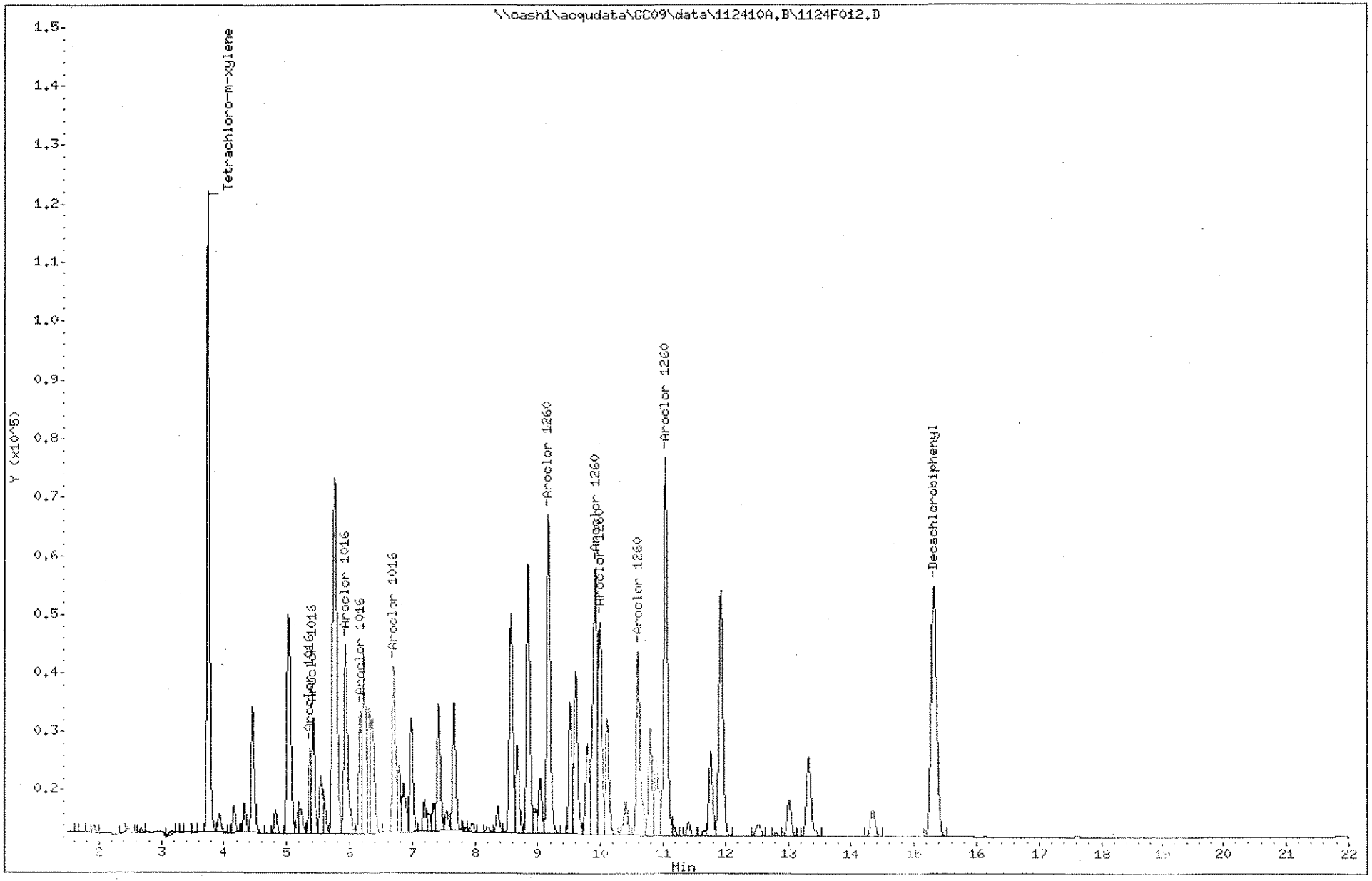
Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F012.D
Date : 24-NOV-2010 15:50
Client ID:
Sample Info: 1660 @ 500ppb | PCB5-55H

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

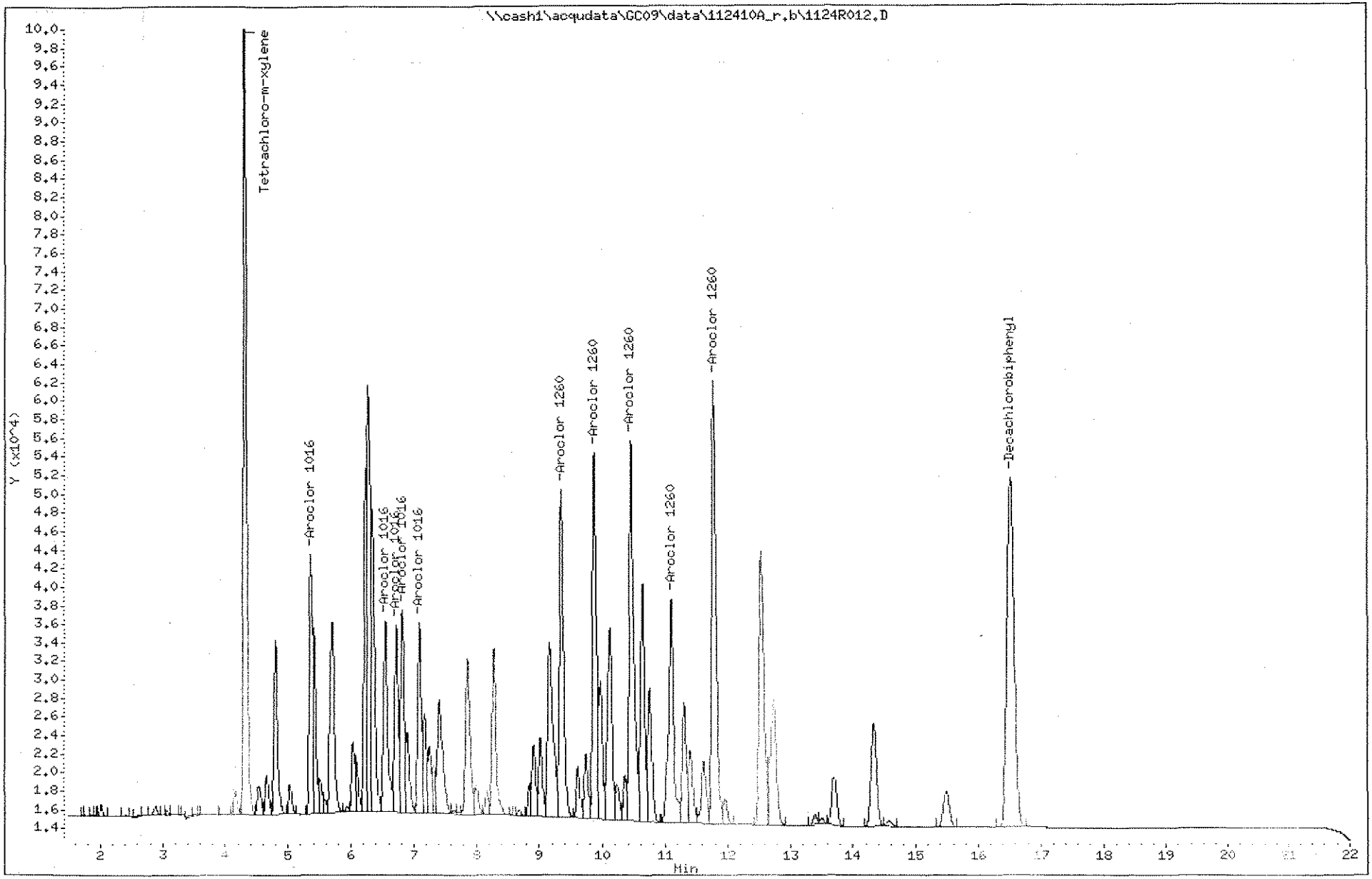


Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R012.D
Date : 24-NOV-2010 15:50
Client ID:
Sample Info: 1660 @ 500ppb | PCB5-55H

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/24/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1012978
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F028.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	53	5200	5530	6	NA	± 20 %	AverageRF
Aroclor 1016	500	550	NA	NA	NA	10	± 20 %	NA
Aroclor 1016 {1}	500	550	66.0	73.2	11	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	590	116	136	18	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	550	239	263	10	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	500	117	116	-1	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	570	167	189	13	NA	± 100 %	AverageRF
Aroclor 1260	500	530	NA	NA	NA	6	± 20 %	NA
Aroclor 1260 {1}	500	520	391	403	3	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	500	410	412	1	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	550	243	266	9	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	560	235	264	12	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	510	490	504	3	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/24/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1012978
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R028.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	55	5560	6160	11	NA	± 20 %	AverageRF
Aroclor 1016	500	580	NA	NA	NA	15	± 20 %	NA
Aroclor 1016 {1}	500	580	169	196	16	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	570	164	189	15	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	590	131	153	17	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	570	152	173	14	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	570	139	159	15	NA	± 100 %	AverageRF
Aroclor 1260	500	550	NA	NA	NA	10	± 20 %	NA
Aroclor 1260 {1}	500	570	267	306	14	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	540	303	328	8	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	560	368	409	11	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	570	243	277	14	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	520	449	466	4	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F028.D
Lab ID: KWG1012978-4
RunType: CCV
Matrix: NOT APPLICABLE

Date Acquired: 11/24/2010 22:56
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: M Ingram

Exception Report

Data File:	\\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R028.D	**Date Acquired:**	11/24/2010 22:56
Lab ID:	KWG1012978-4	**Date Quantitated:**	11/29/2010 09:30
RunType:	CCV	**Batch ID:**	KWG1012978
Matrix:	NOT APPLICABLE	**Analysis Method:**	8082
		MethodJoinID:	MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	NOT APPLICABL
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012978	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:			
MB Ref:		**Method ID:**	MJ346
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F028.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R028.D			**Vial:**	97
Acqu Date:	11/24/2010 22:56	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012978-4				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.74	4.31	318198	321000	55.32	56.63			NA
				%Recovery =	NA	NA	Limits =	70-130	
Decachlorobiphenyl	15.32	16.53	276434	307793	53.13	55.41			NA
				%Recovery =	NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	550.58	576.97			
Aroclor 1016 {1}	5.37	5.36	36583	98201	553.88	581.30			
Aroclor 1016 {2}	5.42	6.55	68045	94268	587.77	574.11			
Aroclor 1016 {3}	5.93	6.73	131369	76641	549.12	585.23			
Aroclor 1016 {4}	6.17	6.82	57820	86710	495.17	570.76			
Aroclor 1016 {5}	6.70	7.10	94451	79612	566.94	573.44			
Aroclor 1260			0	0	528.18	551.91			
Aroclor 1260 {1}	9.17	9.36	201654	152858	515.80	572.07			
Aroclor 1260 {2}	9.92	9.88	206000	164051	502.76	542.32			
Aroclor 1260 {3}	9.99	10.46	132888	204747	545.75	556.24			
Aroclor 1260 {4}	10.60	11.10	132055	138409	561.78	570.48			
Aroclor 1260 {5}	11.04	11.79	252229	232921	514.79	518.47			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Calibration Verification Report

Calibration ID: CAL9990
Method ID: MJ346
DataFile: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F028.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	20					550.6	500.0	10.1
Aroclor 1260		MS	NA	20					528.2	500.0	5.6
Tetrachloro-m-xylene		SURR	AverageRF	20		5.8E+3	6.4E+3	10.6			
Aroclor 1016 {1}		MULTI	AverageRF	100		6.6E+1	7.3E+1	10.8			
Aroclor 1016 {2}		MULTI	AverageRF	100		1.2E+2	1.4E+2	17.6			
Aroclor 1016 {3}		MULTI	AverageRF	100		2.4E+2	2.6E+2	9.8			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.2E+2	1.2E+2	-1.0			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.7E+2	1.9E+2	13.4			
Aroclor 1260 {1}		MULTI	AverageRF	100		3.9E+2	4.0E+2	3.2			
Aroclor 1260 {2}		MULTI	AverageRF	100		4.1E+2	4.1E+2	0.6			
Aroclor 1260 {3}		MULTI	AverageRF	100		2.4E+2	2.7E+2	9.1			
Aroclor 1260 {4}		MULTI	AverageRF	100		2.4E+2	2.6E+2	12.4			
Aroclor 1260 {5}		MULTI	AverageRF	100		4.9E+2	5.0E+2	3.0			
Decachlorobiphenyl		SURR	AverageRF	20		5.2E+3	5.5E+3	6.3			

Calibration Verification Report

Calibration ID: CAL9990
Method ID: MJ346
DataFile: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R028.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	20					577.0	500.0	15.4
Aroclor 1260		MS	NA	20					551.9	500.0	10.4
Tetrachloro-m-xylene		SURR	AverageRF	20		5.7E+3	6.4E+3	13.3			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.7E+2	2.0E+2	16.3			
Aroclor 1016 {2}		MULTI	AverageRF	100		1.6E+2	1.9E+2	14.8			
Aroclor 1016 {3}		MULTI	AverageRF	100		1.3E+2	1.5E+2	17.0			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.5E+2	1.7E+2	14.2			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.4E+2	1.6E+2	14.7			
Aroclor 1260 {1}		MULTI	AverageRF	100		2.7E+2	3.1E+2	14.4			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.0E+2	3.3E+2	8.5			
Aroclor 1260 {3}		MULTI	AverageRF	100		3.7E+2	4.1E+2	11.2			
Aroclor 1260 {4}		MULTI	AverageRF	100		2.4E+2	2.8E+2	14.1			
Aroclor 1260 {5}		MULTI	AverageRF	100		4.5E+2	4.7E+2	3.7			
Decachlorobiphenyl		SURR	AverageRF	20		5.6E+3	6.2E+3	10.8			

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F028.D
Report Date: 29-Nov-2010 09:30

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F028.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R028.D
Inj Date : 24-NOV-2010 22:56
Sample Info: 1660 @ 500ppb | PCB5-55H
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

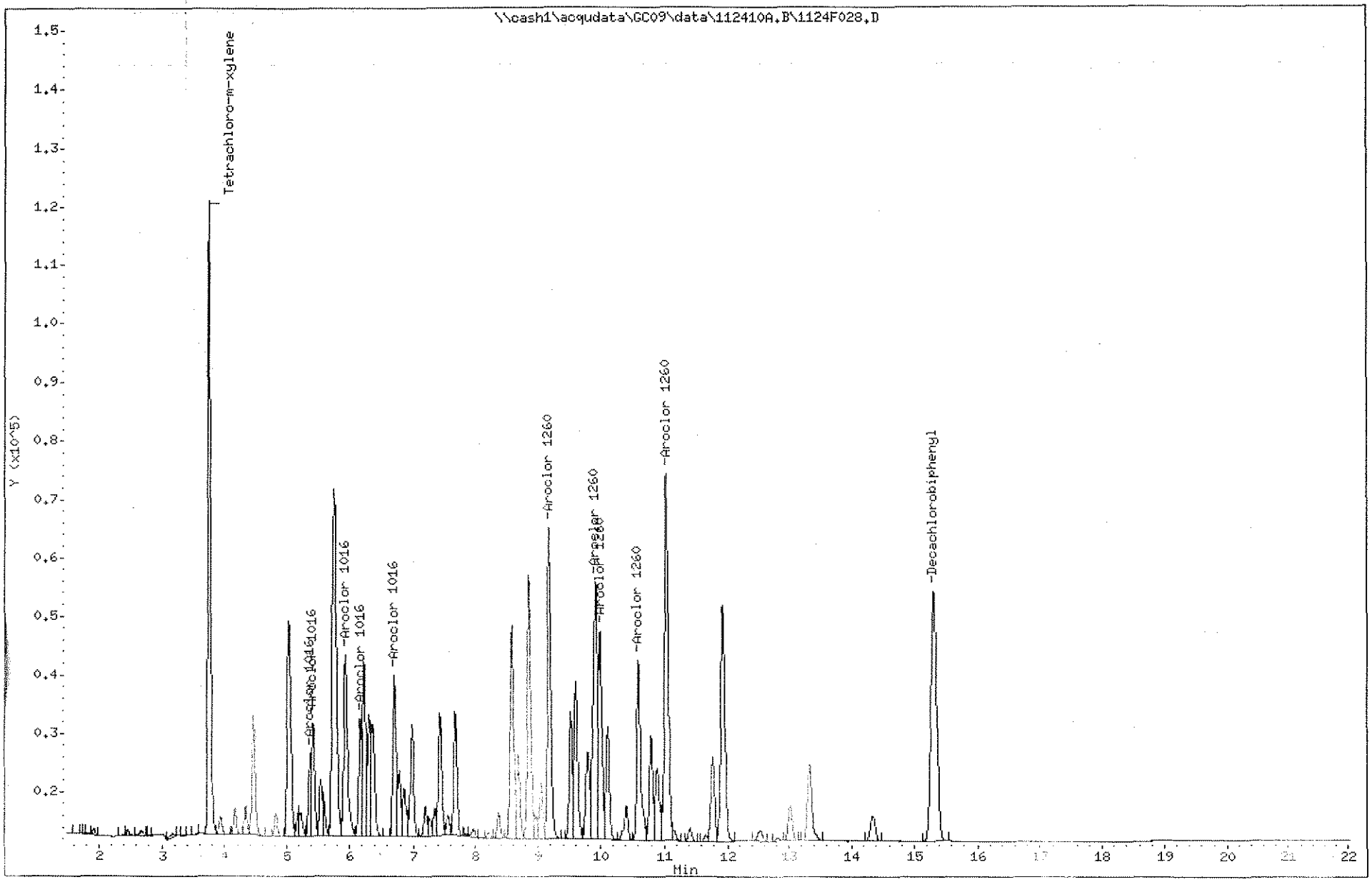
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	318198	321000	55.3	56.6		100.00
Aroclor 1016	5.370	5.363	36583	98201	554	581	80.00- 120.00	100.00
	5.420	6.553	68045	94268	588	574	146.05- 219.08	186.00
	5.933	6.727	131369	76641	549	585	286.59- 429.89	359.10
	6.167	6.823	57820	86710	495	571	129.01- 193.52	158.05
	6.703	7.097	94451	79612	567	573	205.62- 308.43	258.18
		Average of Peak Amounts =			551	577		
Aroclor 1260	9.170	9.360	201654	152858	516	572	80.00- 120.00	100.00
	9.920	9.877	206000	164051	503	542	82.23- 123.35	102.16
	9.990	10.463	132888	204747	546	556	52.09- 78.14	65.90
	10.597	11.100	132055	138409	562	570	51.96- 77.94	65.49
	11.040	11.787	252229	232921	515	518	99.50- 149.25	125.08
		Average of Peak Amounts =			528	552		
Decachlorobiphenyl	15.317	16.527	276434	307793	53.1	55.4		100.00

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F028.D
Date : 24-NOV-2010 22:56
Client ID:
Sample Info: 1660 @ 500ppb | PCB5-55H

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

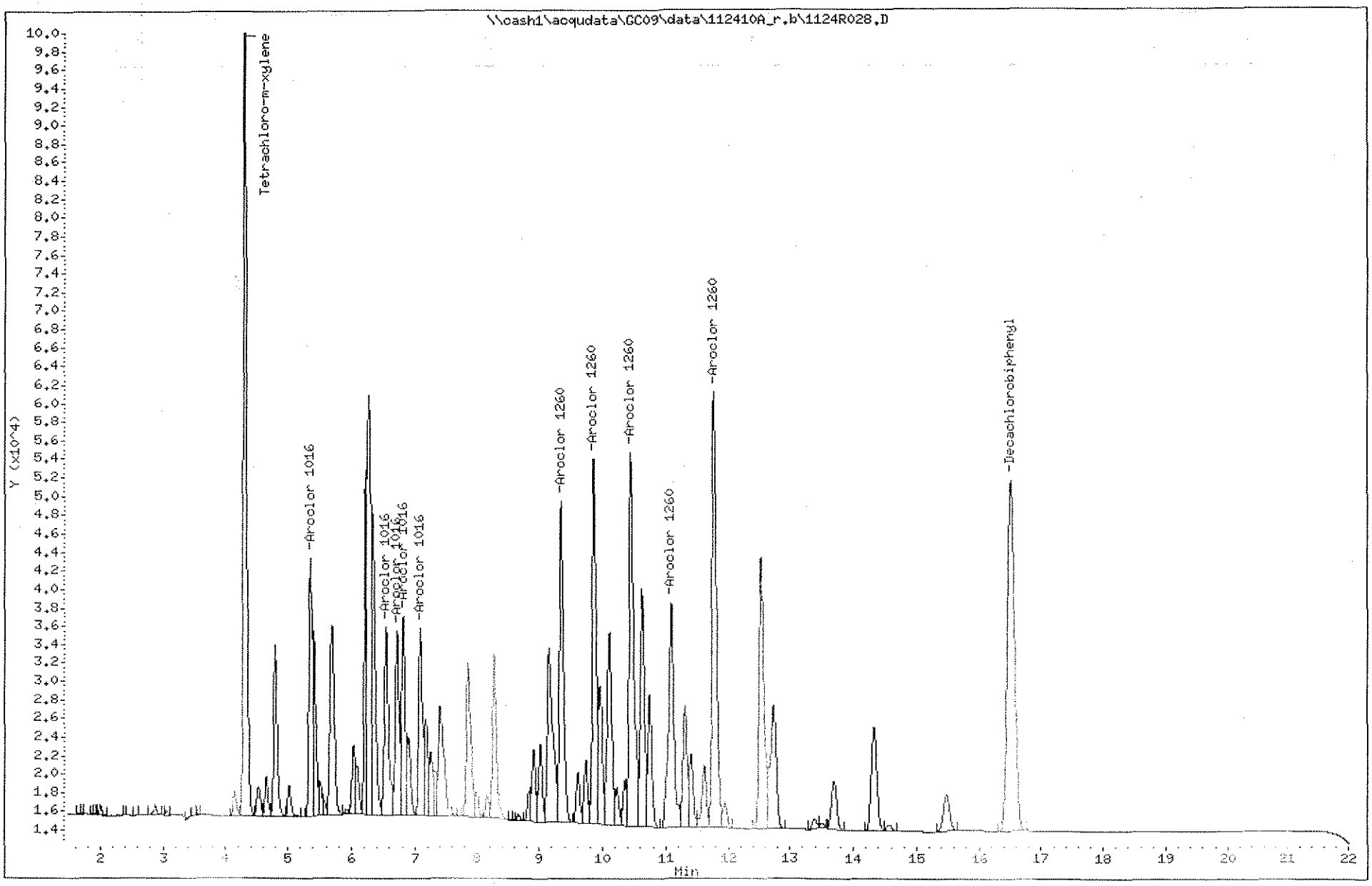


Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R028.D
Date : 24-NOV-2010 22:56
Client ID:
Sample Info: 1660 @ 500ppb | PCB5-55H

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/25/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 10/27/2010
Calibration ID: CAL9990
Analysis Lot: KWG1012978
Units: ng/mL

File ID: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F036.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	52	5200	5420	4	NA	± 20 %	AverageRF
Aroclor 1016	500	540	NA	NA	NA	9	± 20 %	NA
Aroclor 1016 {1}	500	550	66.0	72.5	10	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	570	116	132	14	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	540	239	260	9	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	500	117	117	0	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	560	167	186	12	NA	± 100 %	AverageRF
Aroclor 1260	500	510	NA	NA	NA	3	± 20 %	NA
Aroclor 1260 {1}	500	500	391	393	1	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	490	410	404	-1	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	530	243	256	5	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	540	235	255	9	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	500	490	489	0	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/25/2010

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type:	External Standard	**Calibration Date:**	10/27/2010
Analysis Method:	8082	**Calibration ID:**	CAL9990
		Analysis Lot:	KWG1012978
		Units:	ng/mL
File ID:	\\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R036.D	**Column ID:**	DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	50	55	5560	6090	10	NA	± 20 %	AverageRF
Aroclor 1016	500	560	NA	NA	NA	12	± 20 %	NA
Aroclor 1016 {1}	500	560	169	188	11	NA	± 100 %	AverageRF
Aroclor 1016 {2}	500	560	164	185	13	NA	± 100 %	AverageRF
Aroclor 1016 {3}	500	570	131	150	15	NA	± 100 %	AverageRF
Aroclor 1016 {4}	500	560	152	170	12	NA	± 100 %	AverageRF
Aroclor 1016 {5}	500	550	139	152	10	NA	± 100 %	AverageRF
Aroclor 1260	500	550	NA	NA	NA	10	± 20 %	NA
Aroclor 1260 {1}	500	560	267	301	13	NA	± 100 %	AverageRF
Aroclor 1260 {2}	500	540	303	327	8	NA	± 100 %	AverageRF
Aroclor 1260 {3}	500	550	368	406	10	NA	± 100 %	AverageRF
Aroclor 1260 {4}	500	570	243	274	13	NA	± 100 %	AverageRF
Aroclor 1260 {5}	500	520	449	463	3	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Exception Report

Data File:	\\CASHI\ACQUDATA\GC09\DATA\112410A.B\1124F036.D	**Date Acquired:**	11/25/2010 02:28
Lab ID:	KWG1012978-6	**Date Quantitated:**	11/29/2010 09:30
RunType:	CCV	**Batch ID:**	KWG1012978
Matrix:	NOT APPLICABLE	**Analysis Method:**	8082
		MethodJoinID:	MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R036.D
Lab ID: KWG1012978-6
RunType: CCV
Matrix: NOT APPLICABLE

Date Acquired: 11/25/2010 02:28
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review:

Printed: 11/29/2010 10:15:42
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	NOT APPLICABL
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012978	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:			
MB Ref:		**Method ID:**	MJ346
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F036.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R036.D			**Vial:**	97
Acqu Date:	11/25/2010 02:28	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012978-6				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	3.74	4.31	316976	316492	55.10	55.84			NA
				%Recovery =	NA	NA	Limits =	70-130	
Decachlorobiphenyl	15.32	16.53	271062	304471	52.10	54.81			NA
				%Recovery =	NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	544.95	559.97			
Aroclor 1016 {1}	5.37	5.36	36270	93814	549.14	555.33			
Aroclor 1016 {2}	5.42	6.55	66216	92408	571.97	562.78			
Aroclor 1016 {3}	5.93	6.73	129933	75188	543.12	574.14			
Aroclor 1016 {4}	6.17	6.82	58492	84879	500.92	558.71			
Aroclor 1016 {5}	6.70	7.09	93224	76208	559.58	548.92			
Aroclor 1260			0	0	512.80	547.68			
Aroclor 1260 {1}	9.17	9.36	196592	150746	502.85	564.16			
Aroclor 1260 {2}	9.92	9.88	202078	163705	493.19	541.17			
Aroclor 1260 {3}	9.99	10.46	128010	203202	525.71	552.04			
Aroclor 1260 {4}	10.60	11.10	127689	137156	543.21	565.31			
Aroclor 1260 {5}	11.04	11.79	244517	231670	499.05	515.69			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Calibration Verification Report

Calibration ID: CAL9990
Method ID: MJ346
DataFile: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F036.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	20					544.9	500.0	9.0
Aroclor 1260		MS	NA	20					512.8	500.0	2.6
Tetrachloro-m-xylene		SURR	AverageRF	20		5.8E+3	6.3E+3	10.2			
Aroclor 1016 {1}		MULTI	AverageRF	100		6.6E+1	7.3E+1	9.8			
Aroclor 1016 {2}		MULTI	AverageRF	100		1.2E+2	1.3E+2	14.4			
Aroclor 1016 {3}		MULTI	AverageRF	100		2.4E+2	2.6E+2	8.6			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.2E+2	1.2E+2	0.2			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.7E+2	1.9E+2	11.9			
Aroclor 1260 {1}		MULTI	AverageRF	100		3.9E+2	3.9E+2	0.6			
Aroclor 1260 {2}		MULTI	AverageRF	100		4.1E+2	4.0E+2	-1.4			
Aroclor 1260 {3}		MULTI	AverageRF	100		2.4E+2	2.6E+2	5.1			
Aroclor 1260 {4}		MULTI	AverageRF	100		2.4E+2	2.6E+2	8.6			
Aroclor 1260 {5}		MULTI	AverageRF	100		4.9E+2	4.9E+2	-0.2			
Decachlorobiphenyl		SURR	AverageRF	20		5.2E+3	5.4E+3	4.2			

Calibration Verification Report

Calibration ID: CAL9990
Method ID: MJ346

DataFile: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R036.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	20					560.0	500.0	12.0
Aroclor 1260		MS	NA	20					547.7	500.0	9.5
Tetrachloro-m-xylene		SURR	AverageRF	20		5.7E+3	6.3E+3	11.7			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.7E+2	1.9E+2	11.1			
Aroclor 1016 {2}		MULTI	AverageRF	100		1.6E+2	1.8E+2	12.6			
Aroclor 1016 {3}		MULTI	AverageRF	100		1.3E+2	1.5E+2	14.8			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.5E+2	1.7E+2	11.7			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.4E+2	1.5E+2	9.8			
Aroclor 1260 {1}		MULTI	AverageRF	100		2.7E+2	3.0E+2	12.8			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.0E+2	3.3E+2	8.2			
Aroclor 1260 {3}		MULTI	AverageRF	100		3.7E+2	4.1E+2	10.4			
Aroclor 1260 {4}		MULTI	AverageRF	100		2.4E+2	2.7E+2	13.1			
Aroclor 1260 {5}		MULTI	AverageRF	100		4.5E+2	4.6E+2	3.1			
Decachlorobiphenyl		SURR	AverageRF	20		5.6E+3	6.1E+3	9.6			

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F036.D
Report Date: 29-Nov-2010 09:30

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F036.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R036.D
Inj Date : 25-NOV-2010 02:28
Sample Info: 1660 @ 500ppb | PCB5-55H
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

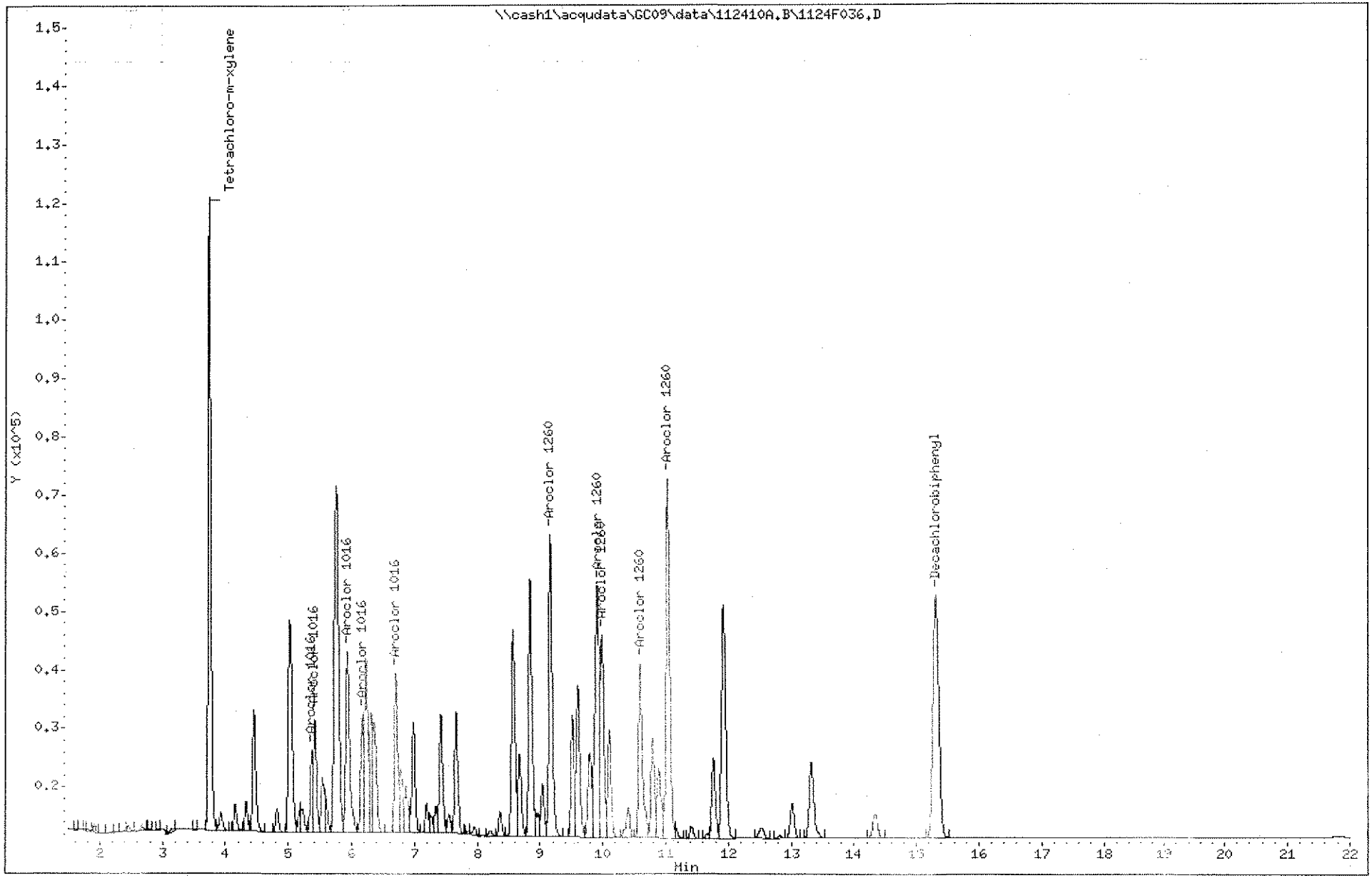
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	3.743	4.310	316976	316492	55.1	55.8		100.00
Aroclor 1016	5.367	5.363	36270	93814	549	555	80.00- 120.00	100.00
	5.420	6.550	66216	92408	572	563	146.05- 219.08	182.56
	5.930	6.727	129933	75188	543	574	286.59- 429.89	358.24
	6.167	6.823	58492	84879	501	559	129.01- 193.52	161.27
	6.703	7.093	93224	76208	560	549	205.62- 308.43	257.03
		Average of Peak Amounts =			545	560		
Aroclor 1260	9.170	9.360	196592	150746	503	564	80.00- 120.00	100.00
	9.920	9.877	202078	163705	493	541	82.23- 123.35	102.79
	9.990	10.460	128010	203202	526	552	52.09- 78.14	65.11
	10.597	11.100	127689	137156	543	565	51.96- 77.94	64.95
	11.040	11.787	244517	231670	499	516	99.50- 149.25	124.38
		Average of Peak Amounts =			513	548		
Decachlorobiphenyl	15.317	16.527	271062	304471	52.1	54.8		100.00

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F036.D
Date : 25-NOV-2010 02:28
Client ID:
Sample Info: 1660 @ 500ppb | PCB5-55H

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



1403

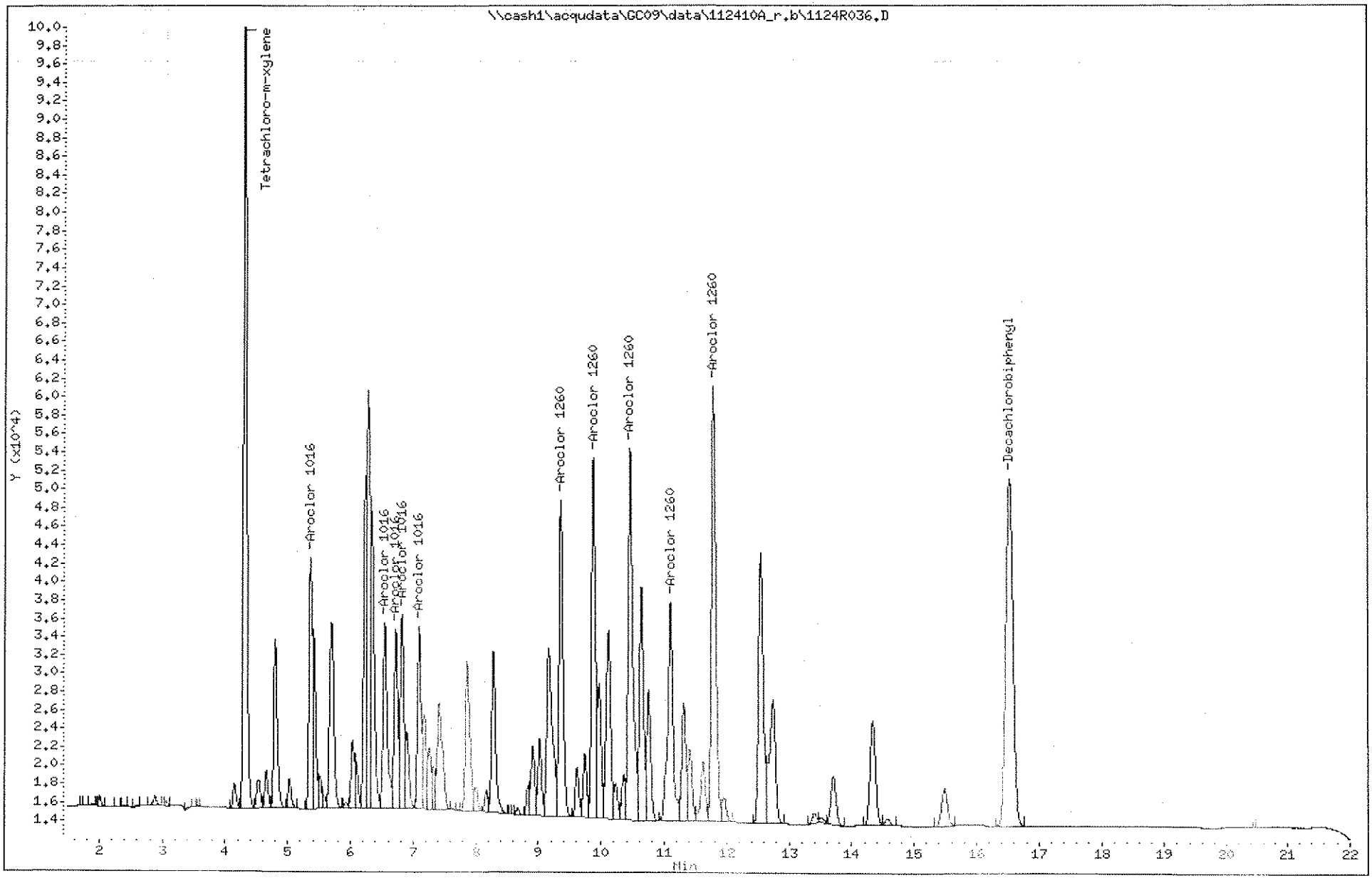
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R036.D
Date : 25-NOV-2010 02:28
Client ID:
Sample Info: 1660 @ 500ppb | PCB5-55H

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



1404

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Sample Prep and Screen Data

Preparation Information

Group ID:	KWG1012936	**Prep Method:**	EPA 3541	**Prep Date:**	11/22/10 00:00
Department:	Semivoa GC				

Lab Code	Client ID	Product	Matrix	Amt. Ext. 11/29/10	Final Vol.	Solids
K1012914-029	FW0001	8082 PCB	WIPE	1ug/ wipe	10mL	
K1012914-030	FW0002	8082 PCB	WIPE	1ug/	10mL	
K1012914-031	FW0003	8082 PCB	WIPE	1ug/	10mL	
KWG1012936-1	Method Blank	8082 PCB	WIPE	1ug/	10mL	
KWG1012936-2	Lab Control Sample	8082 PCB	WIPE	1ug/	10mL	
KWG1012936-3	Duplicate Lab Control Sampl	8082 PCB	WIPE	1ug/	10mL	

Lab Code	Parent Lab Code	Comments
KWG1012936-1		KQ1012863-04
KWG1012936-2		KQ1012863-09
KWG1012936-3		KQ1012863-10

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K1012914-029	981951					ee
K1012914-030	981952					ee
K1012914-031	981950					ee
KWG1012936-1	981947					ee
KWG1012936-2	981948					ee
KWG1012936-3	981949					ee

Comments:

Started By: dw Assisted By: Training Yes No

Completed By: km Assisted By: Yes No

Reviewed By: Date: 11/29/10 Storage:

Chain of Custody

Relinquished By: km Date: 11-24-10

Received By: Date: 11/29/10 Extracts Examined Yes No

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run:	124308	**Prep Workflow:**	OrgExtS (14)	**Status:**	Prepped	**Prep Date:**	11/22/2010 00:00
Team:	Semivoa GC	**Prep Method:**	EPA 3541	**Current Step:**	Final Volume	**Due Date:**	11/23/2010
Analyst:	dw	**Rush/NPDES:**	RUSH				

Lab Code	Client ID	Bottle #	Target Amt	Initial Amt	Final Volume	TestNo List	Comments
K1012914-029	FW0001	.02	10.00 g	1 ug/WIPE	10 mL	PCB, PEST_OC	
K1012914-030	FW0002	.03	10.00 g	1 ug/WIPE	10 mL	PCB, PEST_OC	
K1012914-031	FW0003	.06	10.00 g	1 ug/WIPE	10 mL	PCB, PEST_OC	
KQ1012863-04	Method Blank		10.00 g	1 ug/WIPE	10 mL	PCB, PEST_OC	
KQ1012863-05	Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PEST_OC	
KQ1012863-06	Duplicate Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PEST_OC	
KQ1012863-07	Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PEST_OC	
KQ1012863-08	Duplicate Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PEST_OC	
KQ1012863-09	Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PCB	
KQ1012863-10	Duplicate Lab Control Sample		10.00 g	1 ug/WIPE	10 mL	PCB	

10 Total Samples consisting of 3 Client Samples, 0 Client QC Samples, 7 Batch QC Samples associated with the current Prep Run.

Spiking Solutions **Witness:** ee

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction	22-NOV-10 00:00	22-NOV-10 00:00	dw		N	
Final Volume	24-NOV-10 00:00	24-NOV-10 00:00	km		N	

Comments

Review

Reviewed by: _____ Date: 11/29/10

Chain of Custody

Relinquished By: _____ Date: 11-24-10

Received By: _____ Date: 11/29/10

Extracts/Digestions Examined: Yes No

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124308
Team: Semivoa GC
Analyst: DWood
Prep Workflow: OrgExtS (14)
Prep Method: EPA 3541
Rush/NPDES: RUSH
Status: Draft
Current Step: Extraction
Prep Date: 11/22/2010 12:56
Due Date: 11/22/2010

Lab Code	Client ID	Bottle #	✓	Target Amt	Initial Amount	Inter. Volume	Final Volume	Surr Amt	Spike Amt	TestNo List
K1012914-029	FW0001	.02		10.00 g	1w	20 ml	10 ml	500	NA	PCB, PEST_OC
K1012914-030	FW0002	.03		10.00 g						PCB, PEST_OC
K1012914-031	FW0003	.06		10.00 g						PCB, PEST_OC
KQ1012863-04	Method Blank ~~81~~			10.00 g						PCB, PEST_OC
KQ1012863-05	Lab Control Sample 81			10.00 g					250 µl	PEST_OC
KQ1012863-06	Duplicate Lab Control Sample			10.00 g						PEST_OC
KQ1012863-07	Lab Control Sample T/C			10.00 g					1 mL	PEST_OC
KQ1012863-08	Duplicate Lab Control Sample			10.00 g						PEST_OC
KQ1012863-09	Lab Control Sample			10.00 g					250 µl	PCB
KQ1012863-10	Duplicate Lab Control Sample			10.00 g						PCB

10 Total Samples consisting of 3 Client Samples, 0 Client QC Samples, 7 Batch QC Samples associated with the current Prep Run.

Spiking Solutions **Witness**: Elissa Erickson 11-22-10

PCB5-67D 2ug/mL 500 µl exp 5-1-11 / 81) GCPS6-74D 4ppm 250 µl exp 11-24-10
+1c) GCPS6-68B 10ppm 1mL exp 2-4-11 / GCPS6-75B 10ppm 1mL exp 5-22-11
PCB5-67B 40ppm 250 µl exp 5-1-11

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction						
Final Volume		11/24	K			

Comments

GPC RUNLOG

Run Date: 11/23/2010 Calibration Date: 11/22/2010

GPC #: 5 Program Number: PEST

Lab I.D.	Position	Test	Dilution	Comments
BLANK	1	pest	8 to 10	NA
k12862 mb	2	pest	8 to 10	na
k12863 mb	3	pest	8 to 10	na
k12862 lcs 81	4	pest	8 to 10	na
k12862 dlcs 81	5	pest	8 to 10	na
k12863 lcs 81	6	pest	8 to 10	na
12863 dlcs 81	7	pest	8 to 10	na
12862 lcs tc	8	pest	8 to 10	na
12862 dlcs tc	9	pest	8 to 10	na
12863 lcs tc	10	pest	8 to 10	na
12862 lcs pcb	11	pest	8 to 10	na
12862 dlcs pcb	12	pest	8 to 10	na
12863 lcs pcb	13	pest	8 to 10	na
12914-29	14	pest	8 to 10	na
12914-30	15	pest	8 to 10	na
12914-31	16	pest	8 to 10	na
k12804 mb	17	con	na	na
k12805 mb	18	con	na	na
k12804 lcs	19	con	na	na
k12804 dlcs	20	con	na	na
k12805 lcs	21	con	na	na
11598-1	22	con	na	na
11598-3	23	con	na	na
11598-5	24	con	na	na
11598-6	25	con	na	na
11598-8	26	con	na	na
11598-3 ms	27	con	na	na
11598-3 dms	28	con	na	na
	29			
	30			
	31			
	32			
	33			
	34			
	35			
	36			
	37			

Final Volume Calculation

			Pest
Intermediate Volume before GPC:	10	mL	20
Aliquot taken from intermediate volume:	10	mL	8
Aliquot diluted up to....	10	mL	10
Volume Injected onto column:	5	mL	5
GPC'd Extract brought to the Final Volume of:	2	mL	2
Calculated True Final Volume:	4	mL	10

Operator Date and Initial: 11/23/10 dw

Service Request # K1012914 Work Group # Pest: KQ1012863

PCB:

Extraction (3541):

Sulfate Lot # BG1010/BA0921 Matrix Sand Lot # 010410

DCM Lot # DC191

Soxtherm Start (Time/Date/Initial): 2135/11-22-10/DW

Soxtherm Stop (Time/Date/Initial): 0950/11-23-10/DW

Clean-ups:

GPC Clean-up (3640): 11-23-10 DW (Initial/Date)

Solvent Exchanged To Hexane (Initial/Date): 11-24-10 KM/DW S-Evap Temp: 75°C

Hexane Lot # 50246 N-Evap Temp: 35°C

Carbon Clean-up: — 4:1 Hexane/DCM Lot #

Florisil Clean-up (3620): — Florisil Lot #

1:1 Hexane/Acetone Lot # — 9:1 Hexane/Acetone Lot #

Sulfuric Acid Clean-up (3665): 11-24-10 KM Sulfuric Acid Lot # 49296

Sulfur Clean-up (3660M): — Mercury Lot # —

Pesticide Vials: Yellow Vial Storage: Smile E1-8

PCB Vials: Green Vial Storage: Calvin F1-6

Archived Extract Storage: Archived

Comments/Observations:

Bench Sheet Review Check List

- ☐ Hold Times Met (If no, Reason:)
- ☐ Prep date, dept, method, product code correct in stealth
- ☐ Spike Information correct
- ☐ Weights/Volumes and units correct on raw and final bench sheets
- ☐ Sample IDs have been checked—Bottle numbers appended if required
- ☐ Names present for: Started by, Completed by, relinquished by, and witnessed by.
- ☐ Training has been circled
- ☐ Extract Storage recorded
- ☐ Additional Prep Sheet completely filled out (NA or line out Blanks)
- ☐ All clean-ups have been noted on additional prep sheet
- ☐ Signed service request with Form V, if applicable, has been attached

:\SVG\Additional Prep Info Sheets\2009 Revisions\Additional Prep InformationPestPCBLowLevelSoilRE.doc

Preparation Information

Group ID:	KWG1012934	**Prep Method:**	EPA 3541	**Prep Date:**	11/22/10 00:00
Department:	Semivoa GC				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K1012914-001	SL0001	8082 PCB	SEDIMENT	20.17g	10mL	
K1012914-002	SL0002	8082 PCB	SEDIMENT	20.28g	10mL	
K1012914-009	SL0009	8082 PCB	SEDIMENT	20.06g	10mL	
K1012914-010	SL0010	8082 PCB	SEDIMENT	20.33g	10mL	
K1012914-016	SL0017	8082 PCB	SEDIMENT	20.34g	10mL	
K1012914-017	SL0018	8082 PCB	SEDIMENT	20.07g	10mL	
K1012914-018	SL0019	8082 PCB	SEDIMENT	20.03g	10mL	
K1012914-019	SL0020	8082 PCB	SEDIMENT	20.29g	10mL	
KWG1012934-1	Matrix Spike	8082 PCB	SEDIMENT	20.14g	10mL	
KWG1012934-2	Duplicate Matrix Spike	8082 PCB	SEDIMENT	20.18g	10mL	
KWG1012934-3	Lab Control Sample	8082 PCB	SEDIMENT	10.00g	10mL	
KWG1012934-4	Method Blank	8082 PCB	SEDIMENT	20.34g	10mL	

Lab Code	Parent Lab Code	Comments
KWG1012934-1	K1012914-009	KQ1012862-08
KWG1012934-2	K1012914-009	KQ1012862-09
KWG1012934-3		KQ1012862-10
KWG1012934-4		KQ1012862-11

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K1012914-001	981932					ee
K1012914-002	981933					ee
K1012914-009	981934					ee
K1012914-010	981935					ee
K1012914-016	981936					ee
K1012914-017	981937					ee
K1012914-018	981938					ee
K1012914-019	981931					ee
KWG1012934-1	981927					ee
KWG1012934-2	981928					ee
KWG1012934-3	981929					ee
KWG1012934-4	981930					ee

Comments:

Started By: dw Assisted By: Training Yes No

Completed By: km Assisted By: Yes No

Reviewed By: Date: 11/29/10 Storage:

Chain of Custody

Relinquished By: Date: 11-24-10

Received By: Date: 11/29/10 Extracts Examined Yes No

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124307 **Prep Workflow**: OrgExtS (14) **Status**: Prepped **Prep Date**: 11/22/2010 00:00
Team: Semivoa GC **Prep Method**: EPA 3541 **Current Step**: Final Volume **Due Date**: 11/23/2010
Analyst: dw **Rush/NPDES**: RUSH

Lab Code	Client ID	Bottle #	Target Amt	Initial Amt	Final Volume	TestNo List	Comments
K1012914-001	SL0001	.03	11.93 g	20.17 g	10 mL	PCB, PEST_OC	
K1012914-002	SL0002	.03	11.34 g	20.28 g	10 mL	PCB, PEST_OC	
K1012914-009	SL0009	.03	11.71 g	20.06 g	10 mL	PCB, PEST_OC	
K1012914-010	SL0010	.03	11.27 g	20.33 g	10 mL	PCB, PEST_OC	
K1012914-016	SL0017	.03	12.11 g	20.34 g	10 mL	PCB, PEST_OC	
K1012914-017	SL0018	.03	12.20 g	20.07 g	10 mL	PCB, PEST_OC	
K1012914-018	SL0019	.03	11.83 g	20.03 g	10 mL	PCB, PEST_OC	
K1012914-019	SL0020	.03	11.75 g	20.29 g	10 mL	PCB, PEST_OC	
K1012914-001: KQ1012862-01	Matrix Spike	.03	10.00 g	20.13 g	10 mL	PEST_OC	
K1012914-001: KQ1012862-02	Duplicate Matrix Spike	.03	10.00 g	20.02 g	10 mL	PEST_OC	
K1012914-002: KQ1012862-04	Matrix Spike	.03	10.00 g	20.03 g	10 mL	PEST_OC	
K1012914-002: KQ1012862-05	Duplicate Matrix Spike	.03	10.00 g	20.01 g	10 mL	PEST_OC	
KQ1012862-06	Lab Control Sample		10.00 g	10.00 g	10 mL	PEST_OC	
KQ1012862-07	Lab Control Sample		10.00 g	10.00 g	10 mL	PEST_OC	
K1012914-009: KQ1012862-08	Matrix Spike	.03	10.00 g	20.14 g	10 mL	PCB	
K1012914-009: KQ1012862-09	Duplicate Matrix Spike	.03	10.00 g	20.18 g	10 mL	PCB	
KQ1012862-10	Lab Control Sample		10.00 g	10.00 g	10 mL	PCB	
KQ1012862-11	Method Blank		10.00 g	20.34 g	10 mL	PCB, PEST_OC	

18 Total Samples consisting of 8 Client Samples, 6 Client QC Samples, 4 Batch QC Samples associated with the current Prep Run.

Spiking Solutions **Witness**: ee

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction	22-NOV-10 00:00	22-NOV-10 00:00	dw		N	
Final Volume	24-NOV-10 00:00	24-NOV-10 00:00	km		N	

Comments

Review

Reviewed by: [signature] Date: 11/29/10

Chain of Custody

Relinquished By: [signature] Date: 11-24-10

Received By: [signature] Date: 11/29/10

Extracts/Digestions Examined: Yes (circled) No

Columbia Analytical Services™ **Preparation Information Benchsheet**

Prep Run: 124307 **Prep Workflow:** OrgExtS (14) **Status:** Draft **Prep Date:** 11/22/2010 12:45
Team: Semivoa GC **Prep Method:** EPA 3541 **Current Step:** Extraction **Due Date:** 11/22/2010
Analyst: DWood **Rush/NPDES:** RUSH

Lab Code	Client ID	Bottle #	✓	Target Amt	Initial Amount	Inter. Volume	Final Volume	Surr Amt	Spike Amt	TestNo List
K1012914-001	SL0001	.03	✓	10.00 g	20.17	20 ml	10 ml	500 ul		PCB, PEST_OC
K1012914-002	SL0002	.03	✓	10.00 g	20.28					PCB, PEST_OC
K1012914-009	SL0009	.03	✓	10.00 g	20.06					PCB, PEST_OC
K1012914-010	SL0010	.03	✓	10.00 g	20.33					PCB, PEST_OC
K1012914-016	SL0017	.03	✓	10.00 g	20.34					PCB, PEST_OC
K1012914-017	SL0018	.03	✓	10.00 g	20.07					PCB, PEST_OC
K1012914-018	SL0019	.03	✓	10.00 g	20.03					PCB, PEST_OC
K1012914-019	SL0020	.03	✓	10.00 g	20.29					PCB, PEST_OC
K1012914-001: KQ1012862-01	Matrix Spike 81	.03		10.00 g	20.13				250 ul	PEST_OC
K1012914-001: KQ1012862-02	Duplicate Matrix Spike	.03		10.00 g	20.02					PEST_OC
K1012914-002: KQ1012862-04	Matrix Spike T/C	.03		10.00 g	20.03				1 mL	PEST_OC
K1012914-002: KQ1012862-05	Duplicate Matrix Spike	.03		10.00 g	20.01					PEST_OC
KQ1012862-06	Lab Control Sample 81			10.00 g	10.00				250 ul	PEST_OC
KQ1012862-07	Lab Control Sample T/C			10.00 g	10.00				1 mL	PEST_OC
K1012914-009: KQ1012862-08	Matrix Spike	.03		10.00 g	20.14				250 ul	PCB
K1012914-009: KQ1012862-09	Duplicate Matrix Spike	.03		10.00 g	20.18					PCB
KQ1012862-10	Lab Control Sample			10.00 g	10.00					PCB
KQ1012862-11	Method Blank			10.00 g	20.34				NA	PCB, PEST_OC

18 Total Samples consisting of 8 Client Samples, 6 Client QC Samples, 4 Batch QC Samples associated with the current Prep Run.

Spiking Solutions **Witness:** Elissa Erickson 11-22-10

PCB5-67D 2ug/mL 500ul exp 5-1-11 / 81) GCPS6-74D 4ppm 250ul exp 11-24-10
T/C) GCPS6-68B 10ppm 1mL exp 2-4-11 / GCPS6-75B 10ppm 1mL exp 5-22-11
PCB5-67B 40ppm 250ul exp 5-1-11

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction						
Final Volume		11/24	Kn			

Comments

Final Volume Calculation

			Pest
Intermediate Volume before GPC:	10	mL	20
Aliquot taken from intermediate volume:	10	mL	8
Aliquot diluted up to....	10	mL	10
Volume Injected onto column:	5	mL	5
GPC'd Extract brought to the Final Volume of:	2	mL	2
Calculated True Final Volume:	4	mL	10

Operator Date and Initial: 11/23/10 dw

GPC RUNLOG

Run Date: 11/23/2010 Calibration Date: 11/22/2010

GPC #: 5 Program Number: PEST

Lab I.D.	Position	Test	Dilution	Comments
BLANK	1	pest	8 to 10	NA
k12862 mb	2	pest	8 to 10	na
k12863 mb	3	pest	8 to 10	na
k12862 lcs 81	4	pest	8 to 10	na
k12862 dlcs 81	5	pest	8 to 10	na
k12863 lcs 81	6	pest	8 to 10	na
12863 dlcs 81	7	pest	8 to 10	na
12862 lcs tc	8	pest	8 to 10	na
12862 dlcs tc	9	pest	8 to 10	na
12863 lcs tc	10	pest	8 to 10	na
12862 lcs pcb	11	pest	8 to 10	na
12862 dlcs pcb	12	pest	8 to 10	na
12863 lcs pcb	13	pest	8 to 10	na
12914-29	14	pest	8 to 10	na
12914-30	15	pest	8 to 10	na
12914-31	16	pest	8 to 10	na
k12804 mb	17	con	na	na
k12805 mb	18	con	na	na
k12804 lcs	19	con	na	na
k12804 dlcs	20	con	na	na
k12805 lcs	21	con	na	na
11598-1	22	con	na	na
11598-3	23	con	na	na
11598-5	24	con	na	na
11598-6	25	con	na	na
11598-8	26	con	na	na
11598-3 ms	27	con	na	na
11598-3 dms	28	con	na	na
	29			
	30			
	31			
	32			
	33			
	34			
	35			
	36			
	37			

GPC RUNLOG

Run Date: 11/23/2010 Calibration Date: 11/23/2010

GPC #: 4 Program Number: 2

Lab I.D.	Position	Test	Dilution	Comments
BLANK	1	PEST	8 to 10 ml	NA
12914-1	2	PEST	8 to 10 ml	NA
12914-2	3	PEST	8 to 10 ml	NA
12914-9	4	PEST	8 to 10 ml	NA
12914-10	5	PEST	8 to 10 ml	NA
12914-16	6	PEST	8 to 10 ml	NA
12914-17	7	PEST	8 to 10 ml	NA
12914-18	8	PEST	8 to 10 ml	NA
12914-19	9	PEST	8 to 10 ml	NA
12914-1 ms 81	10	PEST	8 to 10 ml	NA
12914-1 dms 81	11	PEST	8 to 10 ml	NA
12914-2 ms tc	12	PEST	8 to 10 ml	NA
12914-2 dms tc	13	PEST	8 to 10 ml	NA
12914-9 ms pcb	14	PEST	8 to 10 ml	NA
12914-9 dms pcb	15	PEST	8 to 10 ml	NA
	16			
	17			
	18			
	19			
	20			
	21			
	22			
	23			

Final Volume Calculation

Intermediate Volume before GPC: 20 mL

Aliquot taken from intermediate volume: 8 mL

Aliquot diluted up to.... 10 mL

Volume Injected onto column: 5 mL

GPC'd Extract brought to the Final Volume of: 2 mL

Calculated True Final Volume: 10 mL

Operator Date and Initial: 11/23/10 dw

Service Request # K1012914 Work Group # Pest: KQ1012862

PCB:

Extraction (3541):

Sulfate Lot # BA0921/BG1010 Matrix Sand Lot # 010410

DCM Lot # DC191

Soxtherm Start (Time/Date/Initial): 2135/ 11-22-10/DW

Soxtherm Stop (Time/Date/Initial): 0945/ 11-23-10/DW

Clean-ups:

GPC Clean-up (3640): 11-23-10 DW (Initial/Date)

Solvent Exchanged To Hexane (Initial/Date): 11-24-10 Km/DW S-Evap Temp: 75°C

Hexane Lot # 50246 N-Evap Temp: 35°C

Carbon Clean-up: 11-24-10 Km 4:1 Hexane/DCM Lot # Ext-002-27N

Florisil Clean-up (3620): — Florisil Lot # —

1:1 Hexane/Acetone Lot # — 9:1 Hexane/Acetone Lot # —

Sulfuric Acid Clean-up (3665) 11-24-10 Km Sulfuric Acid Lot # 49296

Sulfur Clean-up (3660M): — Mercury Lot # —

Pesticide Vials: Yellow Vial Storage: Smale, A1-B5

PCB Vials: Green Vial Storage: Calvin D1-E2

Archived Extract Storage: Archived

Comments/Observations:

Bench Sheet Review Check List

- ☐ Hold Times Met (If no, Reason:)
- ☐ Prep date, dept, method, product code correct in stealth
- ☐ Spike Information correct
- ☐ Weights/Volumes and units correct on raw and final bench sheets
- ☐ Sample IDs have been checked—Bottle numbers appended if required
- ☐ Names present for: Started by, Completed by, relinquished by, and witnessed by.
- ☐ Training has been circled
- ☐ Extract Storage recorded
- ☐ Additional Prep Sheet completely filled out (NA or line out Blanks)
- ☐ All clean-ups have been noted on additional prep sheet
- ☐ Signed service request with Form V, if applicable, has been attached

..\SVG\Additional Prep Info Sheets\2009 Revisions\Additional Prep Information\PestPCBLowLevelSoilPE.doc

Sequence Name: D:\GC09\SEQUENCE\112410A.S
Comment: PCB Aroclors by EPA 8082
Operator: LHarris
Data Path: D:\GC09\DATA\112410A.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

DAL 9990

Analysis lot KWG1012978
Run #226933

	Line	Type	Vial	DataFile	Method	Sample Name
	1	DeleteGC				
	2	MaskName -	----r---			
	3	IB	1	1124F010	PCB_REG	IB
	4	IB	2	1124F011	PCB_REG	IB | 8082 PCB
OK,OK	5	CCV	96	1124F012	PCB_REG	1660 @ 500ppb | PCB5-55H
	6	MB	3	1124F013	PCB_REG	KQ1012863-04 | MB | 8082 PCB | WIPES
	7	LCS	4	1124F014	PCB_REG	KQ1012863-09 | LCS | 8082 PCB | WIPES
	8	DLCS	5	1124F015	PCB_REG	KQ1012863-10 | DLCS | 8082 PCB | WIPE
	9	SMPL	6	1124F016	PCB_REG	K1012914-029
	10	SMPL	7	1124F017	PCB_REG	K1012914-030
	11	SMPL	8	1124F018	PCB_REG	K1012914-031
	12	MB	9	1124F019	PCB_REG	KQ1012862-11 | MB | 8082 PCB | SEDIME
	13	LCS	10	1124F020	PCB_REG	KQ1012862-10 | LCS | 8082 PCB | SEDIM
	14	SMPL	11	1124F021	PCB_REG	K1012914-001
	15	SMPL	12	1124F022	PCB_REG	K1012914-002
	16	SMPL	13	1124F023	PCB_REG	K1012914-009
	17	MS	14	1124F024	PCB_REG	K1012914-009 MS
	18	DMS	15	1124F025	PCB_REG	K1012914-009 DMS
	19	IB	1	1124F026	PCB_REG	IB
	20	IB	2	1124F027	PCB_REG	IB | 8082 PCB
K,OK	21	CCV	97	1124F028	PCB_REG	1660 @ 500ppb | PCB5-55H
	22	SMPL	16	1124F029	PCB_REG	K1012914-010
	23	SMPL	17	1124F030	PCB_REG	K1012914-016
	24	SMPL	18	1124F031	PCB_REG	K1012914-017
	25	SMPL	19	1124F032	PCB_REG	K1012914-018
	26	SMPL	20	1124F033	PCB_REG	K1012914-019
	27	IB	1	1124F034	PCB_REG	IB
	28	IB	2	1124F035	PCB_REG	IB | 8082 PCB
K,OK	29	CCV	97	1124F036	PCB_REG	1660 @ 500ppb | PCB5-55H
	30					

Exception Report

Data File: \\CASHI\ACQUDATA\GC09\DATA\112410A.B\1124F011.D
Lab ID: KWG1012978-1
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 11/24/2010 15:24
Date Quantitated: 11/29/2010 09:29
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R011.D
Lab ID: KWG1012978-1
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 11/24/2010 15:24
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	NOT APPLICABL
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012978	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:			
MB Ref:		**Method ID:**	MJ346
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F011.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R011.D			**Vial:**	2
Acqu Date:	11/24/2010 15:24	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012978-1				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	0.00		0d	0d		0.0000			NA
			%Recovery =		NA	NA	Limits =	70-130	
Decachlorobiphenyl	0.00		0	0		0.0000			NA
			%Recovery =		NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000			
Aroclor 1016 {1}			0	0	0.0000	0.0000			
Aroclor 1016 {2}			0	0	0.0000	0.0000			
Aroclor 1016 {3}			0	0	0.0000	0.0000			
Aroclor 1016 {4}			0	0	0.0000	0.0000			
Aroclor 1016 {5}			0	0	0.0000	0.0000			
Aroclor 1221			0	0	0.0000	0.0000			
Aroclor 1221 {1}			0	0	0.0000	0.0000			
Aroclor 1221 {2}			0	0	0.0000	0.0000			
Aroclor 1221 {3}			0	0	0.0000	0.0000			
Aroclor 1221 {4}			0	0	0.0000	0.0000			
Aroclor 1232			0	0	0.0000	0.0000			
Aroclor 1232 {1}			0	0	0.0000	0.0000			
Aroclor 1232 {2}			0	0	0.0000	0.0000			
Aroclor 1232 {3}			0	0	0.0000	0.0000			
Aroclor 1232 {4}			0	0	0.0000	0.0000			
Aroclor 1242			0	0	0.0000	0.0000			
Aroclor 1242 {1}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F011.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R011.D			**Vial:**	2
Acqu Date:	11/24/2010 15:24	**Quant Date:**	11/29/2010 09:29	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012978-1				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:**

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1242 {2}			0	0	0.0000	0.0000			
Aroclor 1242 {3}			0	0	0.0000	0.0000			
Aroclor 1242 {4}			0	0	0.0000	0.0000			
Aroclor 1242 {5}			0	0	0.0000	0.0000			
Aroclor 1248			0	0	0.0000	0.0000			
Aroclor 1248 {1}			0	0	0.0000	0.0000			
Aroclor 1248 {2}			0	0	0.0000	0.0000			
Aroclor 1248 {3}			0	0	0.0000	0.0000			
Aroclor 1248 {4}			0	0	0.0000	0.0000			
Aroclor 1248 {5}			0	0	0.0000	0.0000			
Aroclor 1254			0	0	0.0000	0.0000			
Aroclor 1254 {1}			0	0	0.0000	0.0000			
Aroclor 1254 {2}			0	0	0.0000	0.0000			
Aroclor 1254 {3}			0	0	0.0000	0.0000			
Aroclor 1254 {4}			0	0	0.0000	0.0000			
Aroclor 1254 {5}			0	0	0.0000	0.0000			
Aroclor 1260			0	0	0.0000	0.0000			
Aroclor 1260 {1}			0	0	0.0000	0.0000			
Aroclor 1260 {2}			0	0	0.0000	0.0000			
Aroclor 1260 {3}			0	0	0.0000	0.0000			
Aroclor 1260 {4}			0	0	0.0000	0.0000			
Aroclor 1260 {5}			0	0	0.0000	0.0000			
Aroclor 1262			0	0	0.0000	0.0000			
Aroclor 1262 {1}			0	0	0.0000	0.0000			
Aroclor 1262 {2}			0	0	0.0000	0.0000			
Aroclor 1262 {3}			0	0	0.0000	0.0000			
Aroclor 1262 {4}			0	0	0.0000	0.0000			
Aroclor 1262 {5}			0	0	0.0000	0.0000			
Aroclor 1268			0	0	0.0000	0.0000			
Aroclor 1268 {1}			0	0	0.0000	0.0000			
Aroclor 1268 {2}			0	0	0.0000	0.0000			
Aroclor 1268 {3}			0	0	0.0000	0.0000			
Aroclor 1268 {4}			0	0	0.0000	0.0000			
Aroclor 1268 {5}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F011.D
Report Date: 29-Nov-2010 09:29

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Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F011.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R011.D
Inj Date : 24-NOV-2010 15:24
Sample Info: IB | 8082 PCB
Misc Info :
Cal Date : 24-NOV-2010 20:59
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

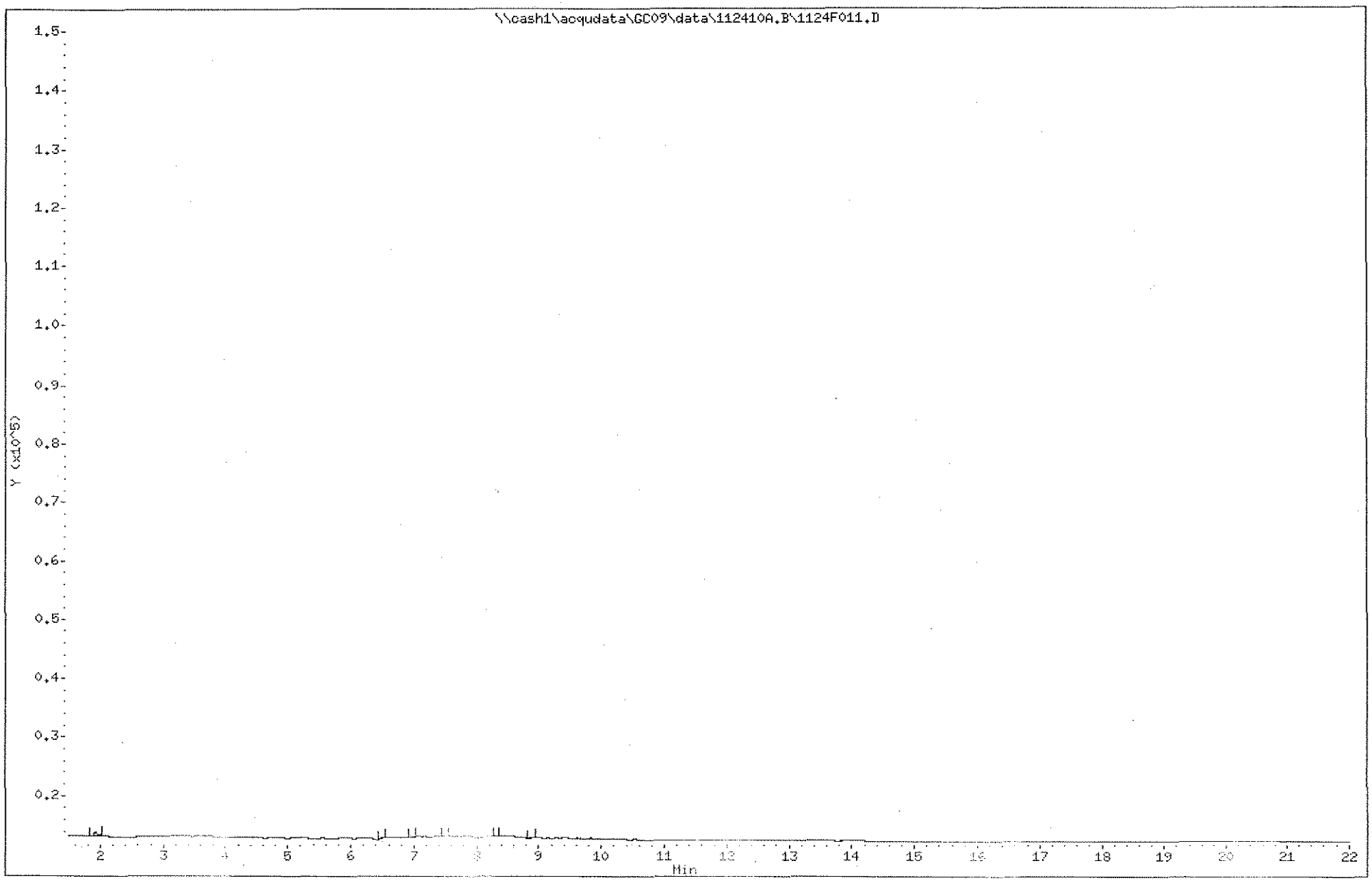
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F011.D
Date : 24-NOV-2010 15:24
Client ID:
Sample Info: IB | 8082 PCB

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

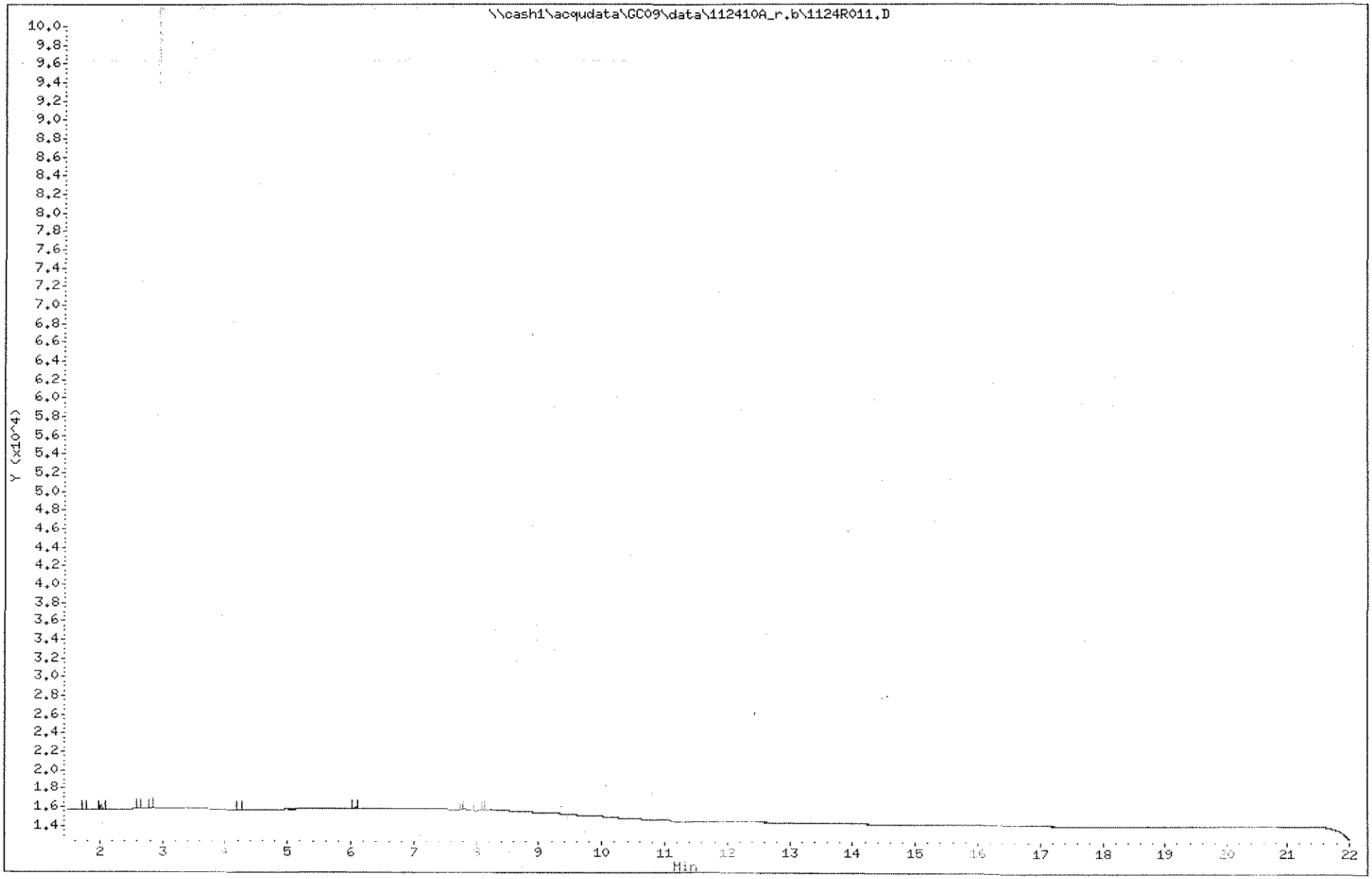


Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R011.D
Date : 24-NOV-2010 15:24
Client ID:
Sample Info: IB | 8082 PCB

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F027.D
Lab ID: KWG1012978-3
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 11/24/2010 22:29
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10
Secondary Review:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R027.D
Lab ID: KWG1012978-3
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 11/24/2010 22:29
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	NOT APPLICABL
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012978	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:			
MB Ref:		**Method ID:**	MJ346
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F027.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R027.D			**Vial:**	2
Acqu Date:	11/24/2010 22:29	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012978-3				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	0.00		0	0d		0.0000			NA
			%Recovery =		NA	NA	Limits =	70-130	
Decachlorobiphenyl	0.00		0	0		0.0000			NA
			%Recovery =		NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000			
Aroclor 1016 {1}			0	0	0.0000	0.0000			
Aroclor 1016 {2}			0	0	0.0000	0.0000			
Aroclor 1016 {3}			0	0	0.0000	0.0000			
Aroclor 1016 {4}			0	0	0.0000	0.0000			
Aroclor 1016 {5}			0	0	0.0000	0.0000			
Aroclor 1221			0	0	0.0000	0.0000			
Aroclor 1221 {1}			0	0	0.0000	0.0000			
Aroclor 1221 {2}			0	0	0.0000	0.0000			
Aroclor 1221 {3}			0	0	0.0000	0.0000			
Aroclor 1221 {4}			0	0	0.0000	0.0000			
Aroclor 1232			0	0	0.0000	0.0000			
Aroclor 1232 {1}			0	0	0.0000	0.0000			
Aroclor 1232 {2}			0	0	0.0000	0.0000			
Aroclor 1232 {3}			0	0	0.0000	0.0000			
Aroclor 1232 {4}			0	0	0.0000	0.0000			
Aroclor 1242			0	0	0.0000	0.0000			
Aroclor 1242 {1}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F027.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R027.D			**Vial:**	2
Acqu Date:	11/24/2010 22:29	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012978-3				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:**

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1242 {2}			0	0	0.0000	0.0000			
Aroclor 1242 {3}			0	0	0.0000	0.0000			
Aroclor 1242 {4}			0	0	0.0000	0.0000			
Aroclor 1242 {5}			0	0	0.0000	0.0000			
Aroclor 1248			0	0	0.0000	0.0000			
Aroclor 1248 {1}			0d	0	0.0000	0.0000			
Aroclor 1248 {2}			0d	0	0.0000	0.0000			
Aroclor 1248 {3}			0d	0	0.0000	0.0000			
Aroclor 1248 {4}			0d	0	0.0000	0.0000			
Aroclor 1248 {5}			0d	0	0.0000	0.0000			
Aroclor 1254			0	0	0.0000	0.0000			
Aroclor 1254 {1}			0	0	0.0000	0.0000			
Aroclor 1254 {2}			0	0	0.0000	0.0000			
Aroclor 1254 {3}			0	0	0.0000	0.0000			
Aroclor 1254 {4}			0	0	0.0000	0.0000			
Aroclor 1254 {5}			0	0	0.0000	0.0000			
Aroclor 1260			0	0	0.0000	0.0000			
Aroclor 1260 {1}			0	0	0.0000	0.0000			
Aroclor 1260 {2}			0	0	0.0000	0.0000			
Aroclor 1260 {3}			0	0	0.0000	0.0000			
Aroclor 1260 {4}			0	0	0.0000	0.0000			
Aroclor 1260 {5}			0	0	0.0000	0.0000			
Aroclor 1262			0	0	0.0000	0.0000			
Aroclor 1262 {1}			0	0	0.0000	0.0000			
Aroclor 1262 {2}			0	0	0.0000	0.0000			
Aroclor 1262 {3}			0	0	0.0000	0.0000			
Aroclor 1262 {4}			0	0	0.0000	0.0000			
Aroclor 1262 {5}			0	0	0.0000	0.0000			
Aroclor 1268			0	0	0.0000	0.0000			
Aroclor 1268 {1}			0	0	0.0000	0.0000			
Aroclor 1268 {2}			0	0	0.0000	0.0000			
Aroclor 1268 {3}			0	0	0.0000	0.0000			
Aroclor 1268 {4}			0	0	0.0000	0.0000			
Aroclor 1268 {5}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F027.D
Report Date: 29-Nov-2010 09:30

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F027.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R027.D
Inj Date : 24-NOV-2010 22:29
Sample Info: IB | 8082 PCB
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

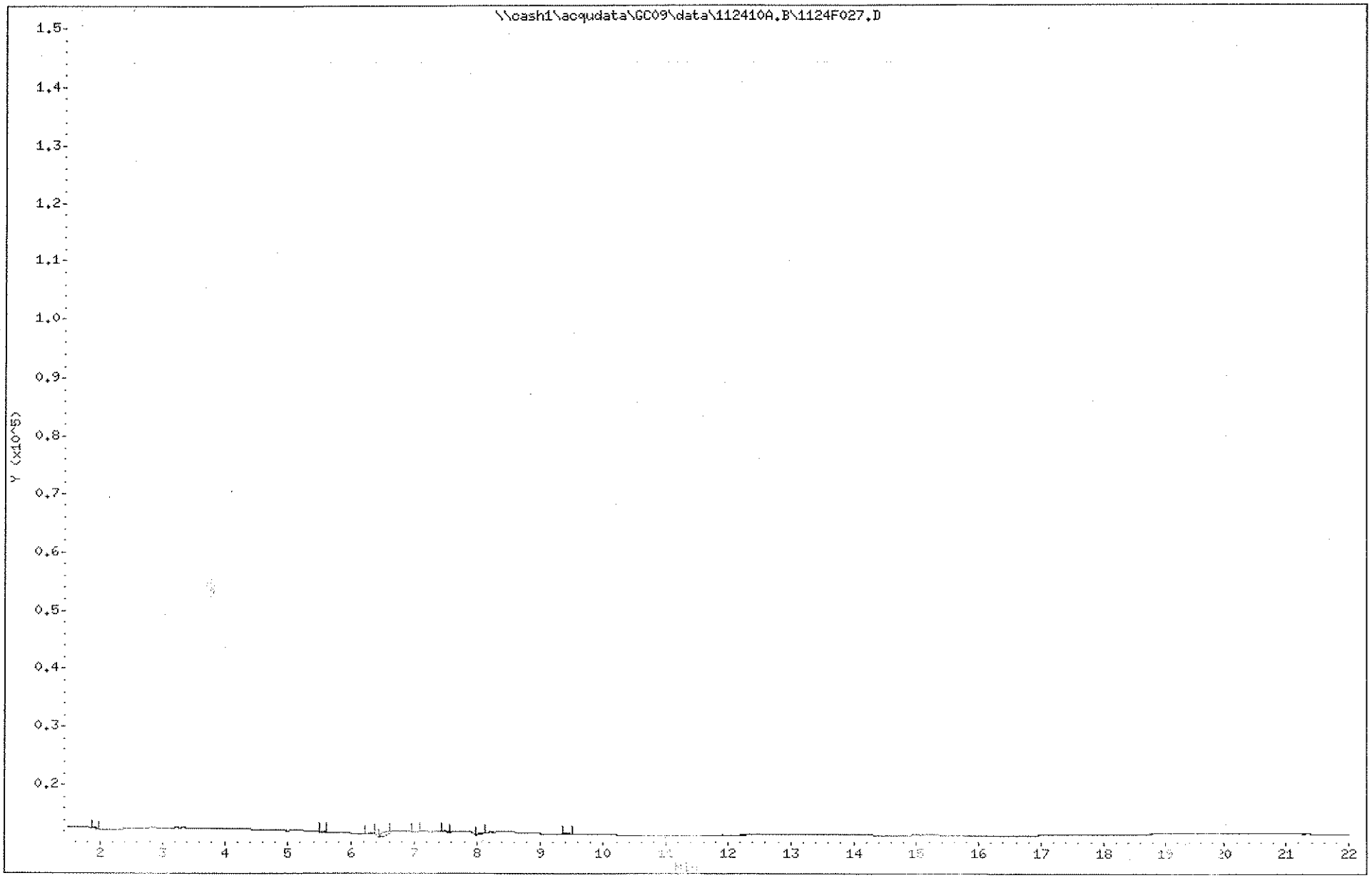
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F027.D
Date : 24-NOV-2010 22:29
Client ID:
Sample Info: IB | 8082 PCB

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

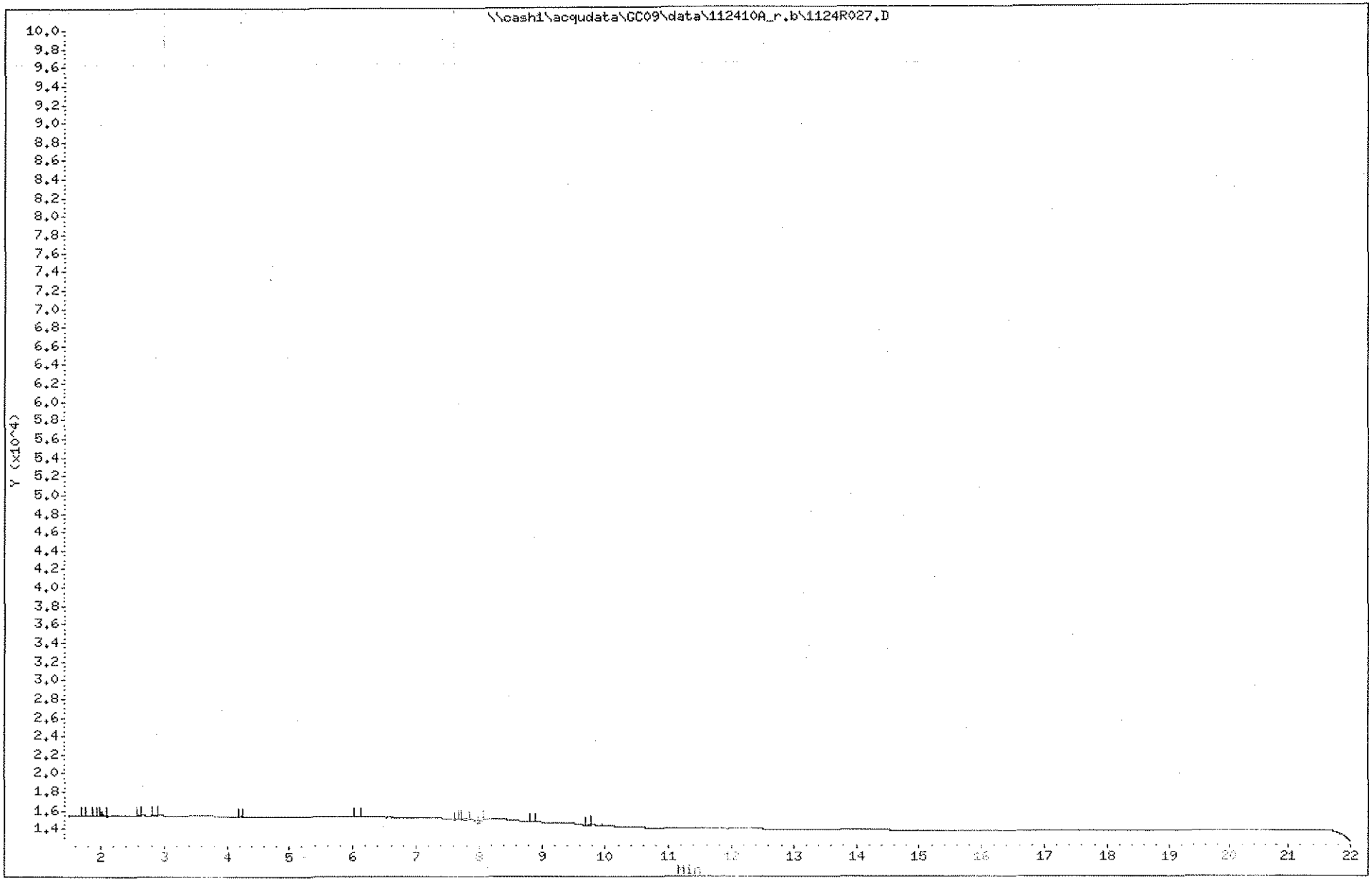


Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R027.D
Date : 24-NOV-2010 22:29
Client ID:
Sample Info: IB | 8082 PCB

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A.B\1124F035.D
Lab ID: KWG1012978-5
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 11/25/2010 02:02
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review:

Exception Report

Data File: \\CASH1\ACQUDATA\GC09\DATA\112410A_R.B\1124R035.D
Lab ID: KWG1012978-5
RunType: IB
Matrix: NOT APPLICABLE

Date Acquired: 11/25/2010 02:02
Date Quantitated: 11/29/2010 09:30
Batch ID: KWG1012978
Analysis Method: 8082
MethodJoinID: MJ346

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review:

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	NOT APPLICABL
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/29/2010

Analysis Lot:	KWG1012978	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH1\ACQUDATA\GC09\DATA\112410A.B\102610_F.M	**Calibration ID:**	CAL9990
Title:			
MB Ref:		**Method ID:**	MJ346
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112410A.B\1124F035.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R035.D			**Vial:**	2
Acqu Date:	11/25/2010 02:02	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012978-5				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	0.00		0	0d		0.0000			NA
			%Recovery =		NA	NA	Limits =	70-130	
Decachlorobiphenyl	0.00		0	0		0.0000			NA
			%Recovery =		NA	NA	Limits =	70-130	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000			
Aroclor 1016 {1}			0	0	0.0000	0.0000			
Aroclor 1016 {2}			0	0	0.0000	0.0000			
Aroclor 1016 {3}			0	0	0.0000	0.0000			
Aroclor 1016 {4}			0	0	0.0000	0.0000			
Aroclor 1016 {5}			0	0	0.0000	0.0000			
Aroclor 1221			0	0	0.0000	0.0000			
Aroclor 1221 {1}			0	0	0.0000	0.0000			
Aroclor 1221 {2}			0	0	0.0000	0.0000			
Aroclor 1221 {3}			0	0	0.0000	0.0000			
Aroclor 1221 {4}			0	0	0.0000	0.0000			
Aroclor 1232			0	0	0.0000	0.0000			
Aroclor 1232 {1}			0	0	0.0000	0.0000			
Aroclor 1232 {2}			0	0	0.0000	0.0000			
Aroclor 1232 {3}			0	0	0.0000	0.0000			
Aroclor 1232 {4}			0	0	0.0000	0.0000			
Aroclor 1242			0	0	0.0000	0.0000			
Aroclor 1242 {1}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112410A.B\1124F035.D			**Instrument:**	GC09.i
Data File #2:	\\cash1\acqudata\GC09\data\112410A_r.b\1124R035.D			**Vial:**	2
Acqu Date:	11/25/2010 02:02	**Quant Date:**	11/29/2010 09:30	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG1012978-5				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:**

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	g/WIPE #1	g/WIPE #2	Rpt
Aroclor 1242 {2}			0	0	0.0000	0.0000			
Aroclor 1242 {3}			0	0	0.0000	0.0000			
Aroclor 1242 {4}			0	0	0.0000	0.0000			
Aroclor 1242 {5}			0	0	0.0000	0.0000			
Aroclor 1248			0	0	0.0000	0.0000			
Aroclor 1248 {1}			0d	0	0.0000	0.0000			
Aroclor 1248 {2}			0d	0	0.0000	0.0000			
Aroclor 1248 {3}			0d	0	0.0000	0.0000			
Aroclor 1248 {4}			0d	0	0.0000	0.0000			
Aroclor 1248 {5}			0d	0	0.0000	0.0000			
Aroclor 1254			0	0	0.0000	0.0000			
Aroclor 1254 {1}			0	0	0.0000	0.0000			
Aroclor 1254 {2}			0	0	0.0000	0.0000			
Aroclor 1254 {3}			0	0	0.0000	0.0000			
Aroclor 1254 {4}			0	0	0.0000	0.0000			
Aroclor 1254 {5}			0	0	0.0000	0.0000			
Aroclor 1260			0	0	0.0000	0.0000			
Aroclor 1260 {1}			0	0	0.0000	0.0000			
Aroclor 1260 {2}			0	0	0.0000	0.0000			
Aroclor 1260 {3}			0	0	0.0000	0.0000			
Aroclor 1260 {4}			0	0	0.0000	0.0000			
Aroclor 1260 {5}			0	0	0.0000	0.0000			
Aroclor 1262			0	0	0.0000	0.0000			
Aroclor 1262 {1}			0	0	0.0000	0.0000			
Aroclor 1262 {2}			0	0	0.0000	0.0000			
Aroclor 1262 {3}			0	0	0.0000	0.0000			
Aroclor 1262 {4}			0	0	0.0000	0.0000			
Aroclor 1262 {5}			0	0	0.0000	0.0000			
Aroclor 1268			0	0	0.0000	0.0000			
Aroclor 1268 {1}			0	0	0.0000	0.0000			
Aroclor 1268 {2}			0	0	0.0000	0.0000			
Aroclor 1268 {3}			0	0	0.0000	0.0000			
Aroclor 1268 {4}			0	0	0.0000	0.0000			
Aroclor 1268 {5}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F035.D
Report Date: 29-Nov-2010 09:30

Columbia Analytical Services

Sample #1 : \\cash1\acqudata\GC09\data\112410A.B\1124F035.D
Sample #2 : \\cash1\acqudata\GC09\data\112410A_r.b\1124R035.D
Inj Date : 25-NOV-2010 02:02
Sample Info: IB | 8082 PCB
Misc Info :
Cal Date : 29-NOV-2010 09:01
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\cash1\acqudata\GC09\data\112410A.B\102610_f.m
Method #2 : \\cash1\acqudata\GC09\data\112410A_r.b\102610_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

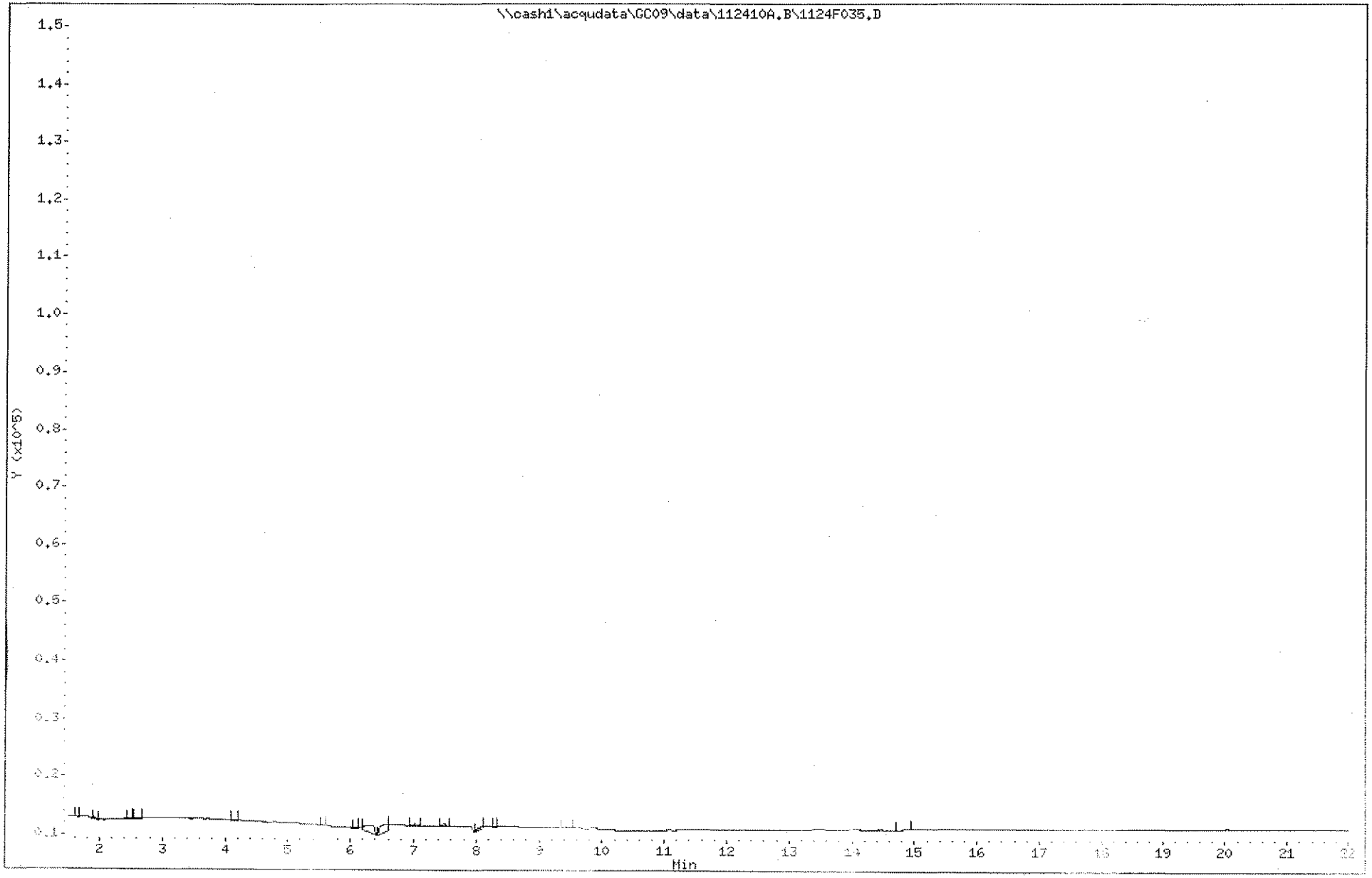
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio

Data File: \\cash1\acqudata\GC09\data\112410A.B\1124F035.D
Date : 25-NOV-2010 02:02
Client ID:
Sample Info: IB | 8082 PCB

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



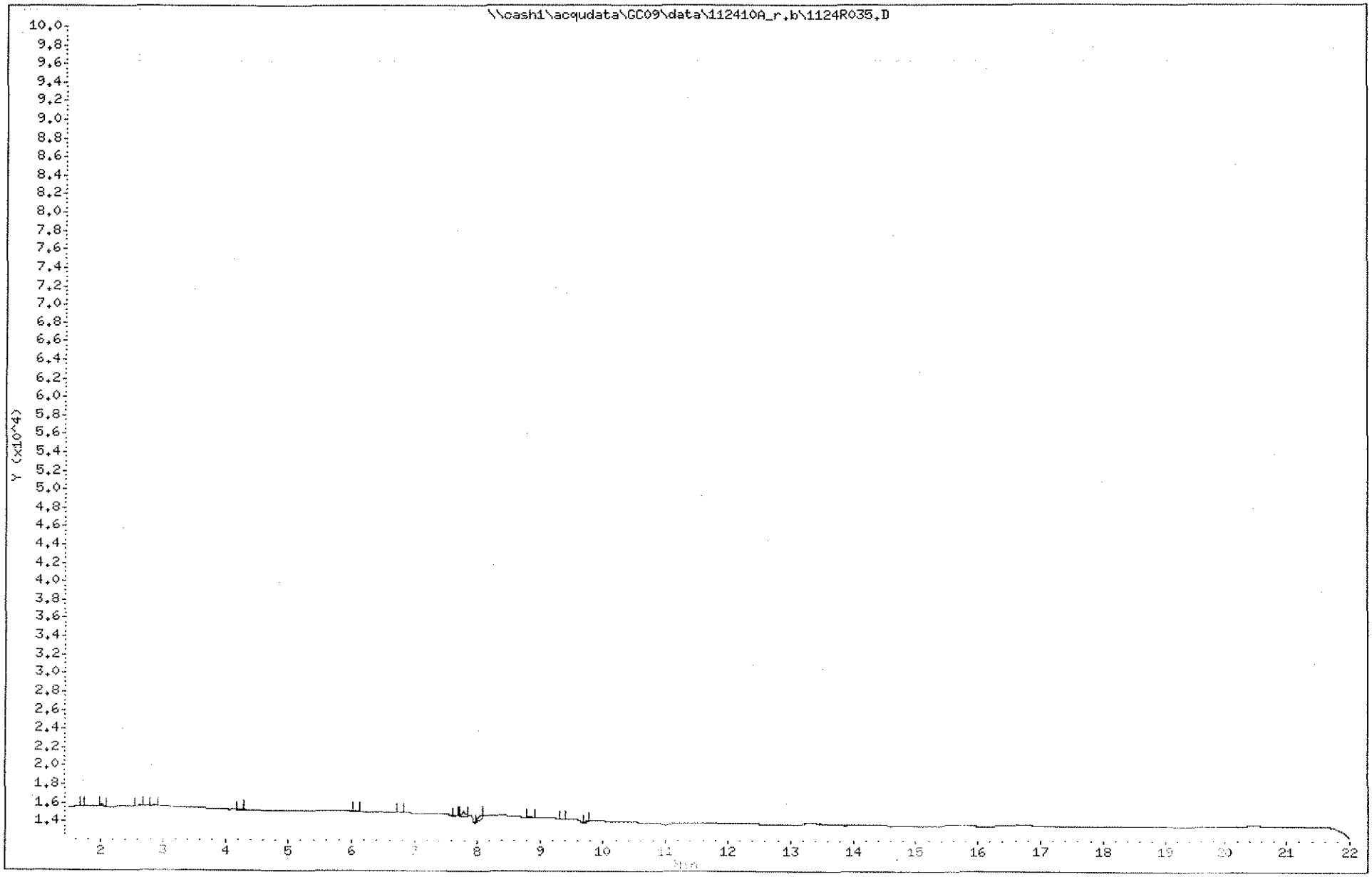
Data File: \\cash1\acqudata\GC09\data\112410A_r.b\1124R035.D
Date : 25-NOV-2010 02:02
Client ID:
Sample Info: IB | 8082 PCB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



Volatile Organic Compounds

Organic Analysis:
Volatile Organic Compounds

Summary Package

Sample and QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Cover Page - Organic Analysis Data Package
Volatile Organic Compounds

Sample Name	Lab Code	Date Collected	Date Received
SL0001	K1012914-001	11/15/2010	11/17/2010
SL0002	K1012914-002	11/15/2010	11/17/2010
SL0009	K1012914-009	11/15/2010	11/17/2010
SL0010	K1012914-010	11/15/2010	11/17/2010
SL0017	K1012914-016	11/15/2010	11/17/2010
SL0018	K1012914-017	11/15/2010	11/17/2010
SL0019	K1012914-018	11/15/2010	11/17/2010
SL0020	K1012914-019	11/15/2010	11/17/2010
SL0001MS	KWG1012941-1	11/15/2010	11/17/2010
SL0001DMS	KWG1012941-2	11/15/2010	11/17/2010

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Kleasman

Name: Kleasman

Date: 11/29/10

Title: President

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.9	0.54	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.9	0.73	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.1	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**4.6**	J	12	0.51	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.9	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.9	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.9	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.9	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.9	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.9	0.31	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.9	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.9	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.9	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	109	83-128	11/24/10	Acceptable
Toluene-d8	113	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	95	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.6	0.52	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.6	0.35	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.6	0.70	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.6	0.35	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	23	3.0	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.6	0.26	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**5.1**	J	12	0.49	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.6	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.6	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.6	0.23	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.6	0.40	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.6	0.41	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.6	0.17	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.6	0.31	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.6	0.17	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.54	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.6	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.6	0.39	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.6	0.26	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.6	0.30	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.6	0.22	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.6	0.28	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.6	0.34	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.6	0.41	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.6	0.27	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.6	0.28	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	23	0.26	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	83-128	11/24/10	Acceptable
Toluene-d8	112	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	91	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.8	0.53	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.8	0.72	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.0	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**5.3**	J	12	0.50	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.8	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.8	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.8	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.8	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.8	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.8	0.30	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.8	0.22	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.8	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.8	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0009
Lab Code: K1012914-009

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	83-128	11/24/10	Acceptable
Toluene-d8	115	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	98	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.5	0.51	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.5	0.34	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.5	0.68	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.5	0.34	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	22	2.9	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.5	0.26	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**5.1**	J	11	0.48	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.5	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.5	0.39	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.5	0.22	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.5	0.39	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.5	0.40	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.5	0.17	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.5	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.5	0.17	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	11	0.53	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.5	0.20	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.5	0.38	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.5	0.26	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.5	0.29	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.5	0.21	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.5	0.28	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.5	0.33	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.5	0.40	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.5	0.27	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.5	0.28	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	22	0.26	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0010
Lab Code: K1012914-010

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	114	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	96	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	6.0	0.55	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	6.0	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	6.0	0.74	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	6.0	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.1	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	6.0	0.28	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	9.7	J	12	0.52	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	6.0	1.5	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	6.0	0.42	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	6.0	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	6.0	0.42	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	6.0	0.43	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	6.0	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	6.0	0.33	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	6.0	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.58	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	6.0	0.22	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	6.0	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	6.0	0.28	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	6.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	6.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	6.0	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	6.0	0.36	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	6.0	0.43	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	6.0	0.29	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	6.0	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.28	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0017
Lab Code: K1012914-016

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	112	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	91	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	6.1	0.56	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	6.1	0.38	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	6.1	0.75	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	6.1	0.38	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	25	3.2	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	6.1	0.28	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**10**	J	13	0.52	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	6.1	1.5	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	6.1	0.43	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	6.1	0.25	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	6.1	0.43	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	6.1	0.44	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	6.1	0.19	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	6.1	0.33	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	6.1	0.19	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	13	0.58	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	6.1	0.22	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	6.1	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	6.1	0.28	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	6.1	0.32	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	6.1	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	6.1	0.31	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	6.1	0.37	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	6.1	0.44	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	6.1	0.29	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	6.1	0.31	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	25	0.28	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0018
Lab Code: K1012914-017

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	112	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	91	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0019	**Units:**	ug/Kg
Lab Code:	K1012914-018	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.8	0.54	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.8	0.72	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.0	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**8.1**	J	12	0.50	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.8	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.8	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.8	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.8	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.8	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.8	0.30	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.8	0.22	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.8	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.8	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0019
Lab Code: K1012914-018

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	83-128	11/24/10	Acceptable
Toluene-d8	113	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	94	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.9	0.54	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.9	0.73	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.1	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**8.1**	J	12	0.51	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.9	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.9	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.9	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.9	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.9	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.9	0.31	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.9	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.9	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.9	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	113	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	96	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012941-5	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.0	0.46	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.0	0.62	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	20	2.6	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**3.1**	J	10	0.43	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.0	1.2	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.0	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.0	0.20	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.0	0.35	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.0	0.36	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.0	0.15	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.0	0.15	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	10	0.48	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.0	0.18	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.0	0.34	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.0	0.26	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.0	0.19	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.0	0.25	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.0	0.30	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.0	0.36	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.0	0.24	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.0	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	20	0.23	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012941-5	**Basis:**	Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	83-128	11/24/10	Acceptable
Toluene-d8	115	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	97	77-124	11/24/10	Acceptable

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030A
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
SL0001	K1012914-001	109	113	95
SL0002	K1012914-002	110	112	91
SL0009	K1012914-009	110	115	98
SL0010	K1012914-010	111	114	96
SL0017	K1012914-016	111	112	91
SL0018	K1012914-017	111	112	91
SL0019	K1012914-018	112	113	94
SL0020	K1012914-019	111	113	96
Method Blank	KWG1012941-5	110	115	97
SL0001MS	KWG1012941-1	110	121	103
SL0001DMS	KWG1012941-2	109	120	104
Lab Control Sample	KWG1012941-3	111	122	107
Duplicate Lab Control Sample	KWG1012941-4	108	120	106

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	83-128
Sur2 =	Toluene-d8	90-125
Sur3 =	4-Bromofluorobenzene	77-124

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/24/2010
Time Analyzed: 14:03

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID: J:\MS24\DATA\112410\1124F010.D
Instrument ID: MS24
Analysis Method: 8260B

Lab Code: KWG1012930-2
Analysis Lot: KWG1012930

		Fluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	RT	Area	RT	Area	RT
	Results ==>	259,368	4.02	97,222	6.65	87,249	8.98
	Upper Limit ==>	518,736	4.52	194,444	7.15	174,498	9.48
	Lower Limit ==>	129,684	3.52	48,611	6.15	43,625	8.48
	ICAL Result ==>	405,028	4.02	160,172	6.65	144,719	8.98
Associated Analyses							
Method Blank	KWG1012941-5	250,681	4.02	93,021	6.65	77,482	8.98
SL0001	K1012914-001	259,018	4.02	93,036	6.65	73,666	8.98
SL0002	K1012914-002	247,684	4.02	87,640	6.65	60,529	8.98
SL0009	K1012914-009	244,834	4.02	91,074	6.65	75,015	8.98
SL0010	K1012914-010	255,440	4.02	93,903	6.65	76,641	8.98
SL0017	K1012914-016	249,038	4.02	87,938	6.65	62,222	8.98
SL0018	K1012914-017	250,850	4.02	87,482	6.65	61,522	8.98
SL0019	K1012914-018	245,587	4.02	88,377	6.65	68,491	8.98
SL0020	K1012914-019	242,625	4.02	86,081	6.65	68,280	8.98
SL0001MS	KWG1012941-1	260,663	4.02	101,407	6.65	85,933	8.98
SL0001DMS	KWG1012941-2	267,054	4.02	100,641	6.65	84,577	8.98
Lab Control Sample	KWG1012941-3	269,601	4.02	106,408	6.65	95,002	8.98
Duplicate Lab Control Sample	KWG1012941-4	282,971	4.02	108,552	6.65	97,494	8.98

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Extracted: 11/24/2010
Date Analyzed: 11/24/2010

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name: SL0001
Lab Code: K1012914-001

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 5030A
Analysis Method: 8260B

Level: Low
Extraction Lot: KWG1012941

		SL0001MS KWG1012941-1 Matrix Spike			SL0001DMS KWG1012941-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Vinyl Chloride	ND	59.5	59.7	100	58.2	59.2	98	12-160	2	40
1,1-Dichloroethene	ND	58.4	59.7	98	56.2	59.2	95	31-153	4	40
Chloroform	ND	57.0	59.7	96	54.4	59.2	92	30-138	5	40
Carbon Tetrachloride	ND	55.2	59.7	93	51.9	59.2	88	10-144	6	40
Benzene	ND	54.9	59.7	92	52.1	59.2	88	30-137	5	40
Trichloroethene (TCE)	ND	55.0	59.7	92	52.6	59.2	89	18-145	5	40
Bromodichloromethane	ND	54.4	59.7	91	50.8	59.2	86	14-146	7	40
Toluene	ND	54.8	59.7	92	51.9	59.2	88	15-135	6	40
1,1,2-Trichloroethane	ND	53.8	59.7	90	53.1	59.2	90	18-141	1	40
Chlorobenzene	ND	51.5	59.7	86	49.2	59.2	83	15-124	5	40
Ethylbenzene	ND	54.1	59.7	91	51.6	59.2	87	13-128	5	40
1,2-Dichlorobenzene	ND	42.4	59.7	71	39.5	59.2	67	10-124	7	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/24/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030A	**Units:**	ug/Kg
Analysis Method:	8260B	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1012941

	Lab Control Sample KWG1012941-3 Lab Control Spike			Duplicate Lab Control Sample KWG1012941-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Chloromethane	36.3	50.0	73	36.8	50.0	74	37-146	2	40
Vinyl Chloride	44.1	50.0	88	44.0	50.0	88	54-127	0	40
Bromomethane	40.4	50.0	81	41.4	50.0	83	22-180	3	40
Chloroethane	48.4	50.0	97	47.7	50.0	95	39-147	1	40
Acrolein	97.3	100	97	101	100	101	10-218	4	40
1,1-Dichloroethene	43.7	50.0	87	44.0	50.0	88	64-152	1	40
Methylene Chloride	44.5	50.0	89	44.4	50.0	89	56-131	0	40
Acrylonitrile	128	100	128	125	100	125	41-202	2	40
trans-1,2-Dichloroethene	44.2	50.0	88	44.2	50.0	88	77-127	0	40
1,1-Dichloroethane	44.2	50.0	88	44.2	50.0	88	59-137	0	40
Chloroform	46.5	50.0	93	46.6	50.0	93	61-137	0	40
1,1,1-Trichloroethane (TCA)	43.7	50.0	87	43.5	50.0	87	59-146	1	40
Carbon Tetrachloride	43.1	50.0	86	41.9	50.0	84	60-152	3	40
Benzene	44.3	50.0	89	44.1	50.0	88	56-148	0	40
1,2-Dichloroethane (EDC)	47.0	50.0	94	46.6	50.0	93	57-139	1	40
Trichloroethene (TCE)	45.0	50.0	90	43.3	50.0	87	76-124	4	40
1,2-Dichloropropane	44.6	50.0	89	44.3	50.0	89	58-135	1	40
Bromodichloromethane	44.5	50.0	89	44.2	50.0	88	61-143	1	40
2-Chloroethyl Vinyl Ether	44.9	50.0	90	44.4	50.0	89	39-167	1	40
cis-1,3-Dichloropropene	44.0	50.0	88	43.3	50.0	87	58-138	2	40
Toluene	45.7	50.0	91	44.5	50.0	89	75-117	3	40
trans-1,3-Dichloropropene	40.6	50.0	81	40.7	50.0	81	63-121	0	40
1,1,2-Trichloroethane	46.4	50.0	93	47.1	50.0	94	56-133	1	40
Tetrachloroethene (PCE)	43.6	50.0	87	43.8	50.0	88	66-126	1	40
Dibromochloromethane	42.8	50.0	86	44.5	50.0	89	58-140	4	40
Chlorobenzene	44.4	50.0	89	44.3	50.0	89	70-116	0	40
Ethylbenzene	45.2	50.0	90	45.3	50.0	91	70-118	0	40
Bromoform	41.9	50.0	84	43.2	50.0	86	62-134	3	40
1,1,2,2-Tetrachloroethane	41.1	50.0	82	42.3	50.0	85	53-133	3	40
1,3-Dichlorobenzene	43.5	50.0	87	42.7	50.0	85	52-131	2	40
1,4-Dichlorobenzene	42.6	50.0	85	41.6	50.0	83	52-128	2	40
1,2-Dichlorobenzene	42.7	50.0	85	41.9	50.0	84	53-128	2	40
1,2,4-Trichlorobenzene	38.1	50.0	76	36.9	50.0	74	57-136	3	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/24/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010
		Time Analyzed:	16:31

Method Blank Summary
Volatile Organic Compounds

Sample Name:	Method Blank	**File ID:**	J:\MS24\DATA\112410\1124F016.D
Lab Code:	KWG1012941-5	**Instrument ID:**	MS24
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG1012941

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
SL0019	K1012914-018	J:\MS24\DATA\112410\1124F023.D	11/24/10	19:00
SL0020	K1012914-019	J:\MS24\DATA\112410\1124F024.D	11/24/10	19:21
SL0001MS	KWG1012941-1	J:\MS24\DATA\112410\1124F025.D	11/24/10	19:42
SL0001DMS	KWG1012941-2	J:\MS24\DATA\112410\1124F026.D	11/24/10	20:04
Lab Control Sample	KWG1012941-3	J:\MS24\DATA\112410\1124F028.D	11/24/10	20:46
Duplicate Lab Control Sample	KWG1012941-4	J:\MS24\DATA\112410\1124F029.D	11/24/10	21:08
SL0001	K1012914-001	J:\MS24\DATA\112410\1124F017.D	11/24/10	16:52
SL0002	K1012914-002	J:\MS24\DATA\112410\1124F018.D	11/24/10	17:13
SL0009	K1012914-009	J:\MS24\DATA\112410\1124F019.D	11/24/10	17:35
SL0010	K1012914-010	J:\MS24\DATA\112410\1124F020.D	11/24/10	17:56
SL0017	K1012914-016	J:\MS24\DATA\112410\1124F021.D	11/24/10	18:17
SL0018	K1012914-017	J:\MS24\DATA\112410\1124F022.D	11/24/10	18:39

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/24/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010
		Time Analyzed:	20:46

Lab Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	**File ID:**	J:\MS24\DATA\112410\1124F028.D
Lab Code:	KWG1012941-3	**Instrument ID:**	MS24
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG1012941

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012941-5	J:\MS24\DATA\112410\1124F016.D	11/24/10	16:31
SL0001	K1012914-001	J:\MS24\DATA\112410\1124F017.D	11/24/10	16:52
SL0002	K1012914-002	J:\MS24\DATA\112410\1124F018.D	11/24/10	17:13
SL0009	K1012914-009	J:\MS24\DATA\112410\1124F019.D	11/24/10	17:35
SL0010	K1012914-010	J:\MS24\DATA\112410\1124F020.D	11/24/10	17:56
SL0017	K1012914-016	J:\MS24\DATA\112410\1124F021.D	11/24/10	18:17
SL0018	K1012914-017	J:\MS24\DATA\112410\1124F022.D	11/24/10	18:39
SL0019	K1012914-018	J:\MS24\DATA\112410\1124F023.D	11/24/10	19:00
SL0020	K1012914-019	J:\MS24\DATA\112410\1124F024.D	11/24/10	19:21
SL0001MS	KWG1012941-1	J:\MS24\DATA\112410\1124F025.D	11/24/10	19:42
SL0001DMS	KWG1012941-2	J:\MS24\DATA\112410\1124F026.D	11/24/10	20:04

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/24/2010
Time Analyzed: 13:31

Tune Summary
Volatile Organic Compounds

File ID: J:\MS24\DATA\112410\1124F009.D
Instrument ID: MS24
Column:

Analysis Method: 8260B
Analysis Lot: KWG1012930

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.3	1246	PASS
75	95	30	60	48.7	2853	PASS
95	95	100	100	100.0	5858	PASS
96	95	5	9	6.9	402	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	91.3	5350	PASS
175	174	5	9	7.2	383	PASS
176	174	95	101	95.3	5098	PASS
177	176	5	9	6.1	309	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1012930-2	J:\MS24\DATA\112410\1124F010.D	11/24/2010	14:03	
Method Blank	KWG1012941-5	J:\MS24\DATA\112410\1124F016.D	11/24/2010	16:31	
SL0001	K1012914-001	J:\MS24\DATA\112410\1124F017.D	11/24/2010	16:52	
SL0002	K1012914-002	J:\MS24\DATA\112410\1124F018.D	11/24/2010	17:13	
SL0009	K1012914-009	J:\MS24\DATA\112410\1124F019.D	11/24/2010	17:35	
SL0010	K1012914-010	J:\MS24\DATA\112410\1124F020.D	11/24/2010	17:56	
SL0017	K1012914-016	J:\MS24\DATA\112410\1124F021.D	11/24/2010	18:17	
SL0018	K1012914-017	J:\MS24\DATA\112410\1124F022.D	11/24/2010	18:39	
SL0019	K1012914-018	J:\MS24\DATA\112410\1124F023.D	11/24/2010	19:00	
SL0020	K1012914-019	J:\MS24\DATA\112410\1124F024.D	11/24/2010	19:21	
SL0001MS	KWG1012941-1	J:\MS24\DATA\112410\1124F025.D	11/24/2010	19:42	
SL0001DMS	KWG1012941-2	J:\MS24\DATA\112410\1124F026.D	11/24/2010	20:04	
Lab Control Sample	KWG1012941-3	J:\MS24\DATA\112410\1124F028.D	11/24/2010	20:46	
Duplicate Lab Control Sample	KWG1012941-4	J:\MS24\DATA\112410\1124F029.D	11/24/2010	21:08	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL10052
Instrument ID: MS24

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS24\DATA\111510\1115F005.D	F	J:\MS24\DATA\111510\1115F010.D
B	J:\MS24\DATA\111510\1115F006.D	G	J:\MS24\DATA\111510\1115F011.D
C	J:\MS24\DATA\111510\1115F007.D	H	J:\MS24\DATA\111510\1115F012.D
D	J:\MS24\DATA\111510\1115F008.D	I	J:\MS24\DATA\111510\1115F013.D
E	J:\MS24\DATA\111510\1115F009.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
† Chloromethane	A	1.0	0.323	B	2.0	0.302	C	5.0	0.292	D	10	0.293	E	20	0.287
†	F	50	0.279	G	100	0.272	H	200	0.274	I	300	0.260			
‡ Vinyl Chloride	A	1.0	0.252	B	2.0	0.248	C	5.0	0.245	D	10	0.272	E	20	0.265
‡	F	50	0.256	G	100	0.250	H	200	0.258	I	300	0.241			
Bromomethane	A	1.0	0.190	B	2.0	0.186	C	5.0	0.181	D	10	0.189	E	20	0.170
	F	50	0.163	G	100	0.145									
Chloroethane	A	1.0	0.156	B	2.0	0.172	C	5.0	0.173	D	10	0.185	E	20	0.167
	F	50	0.167	G	100	0.160	H	200	0.164	I	300	0.154			
Acrolein	A	5.0	0.0384	B	10	0.0452	C	25	0.0458	D	50	0.0411	E	100	0.0424
	F	250	0.0424	G	500	0.0415	H	1000	0.0448	I	1500	0.0436			
‡ 1,1-Dichloroethene	A	1.0	0.179	B	2.0	0.157	C	5.0	0.156	D	10	0.166	E	20	0.160
‡	F	50	0.159	G	100	0.160	H	200	0.163	I	300	0.156			
Methylene Chloride										D	10	0.307	E	20	0.262
	F	50	0.258	G	100	0.244	H	200	0.244	I	300	0.241			
Acrylonitrile	A	2.0	0.0720	B	4.0	0.0965	C	10	0.0935	D	20	0.0903	E	40	0.0885
	F	100	0.0918	G	200	0.0913	H	400	0.0973	I	600	0.0943			
trans-1,2-Dichloroethene	A	1.0	0.188	B	2.0	0.201	C	5.0	0.204	D	10	0.208	E	20	0.206
	F	50	0.205	G	100	0.204	H	200	0.208	I	300	0.203			
† 1,1-Dichloroethane	A	1.0	0.349	B	2.0	0.374	C	5.0	0.386	D	10	0.404	E	20	0.386
†	F	50	0.402	G	100	0.398	H	200	0.405	I	300	0.400			
‡ Chloroform	A	1.0	0.342	B	2.0	0.367	C	5.0	0.375	D	10	0.406	E	20	0.386
‡	F	50	0.396	G	100	0.392	H	200	0.398	I	300	0.390			
1,1,1-Trichloroethane (TCA)	A	1.0	0.223	B	2.0	0.254	C	5.0	0.251	D	10	0.273	E	20	0.266
	F	50	0.268	G	100	0.271	H	200	0.278	I	300	0.271			
Carbon Tetrachloride	A	1.0	0.218	B	2.0	0.239	C	5.0	0.209	D	10	0.244	E	20	0.236
	F	50	0.232	G	100	0.237	H	200	0.240	I	300	0.234			
Benzene	A	1.0	0.803	B	2.0	0.803	C	5.0	0.851	D	10	0.893	E	20	0.872
	F	50	0.880	G	100	0.885	H	200	0.889	I	300	0.873			

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL10052
Instrument ID: MS24

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,2-Dichloroethane (EDC)	A	1.0	0.279	B	2.0	0.308	C	5.0	0.339	D	10	0.330	E	20	0.324
	F	50	0.330	G	100	0.323	H	200	0.331	I	300	0.324			
Trichloroethene (TCE)	A	1.0	0.220	B	2.0	0.213	C	5.0	0.216	D	10	0.224	E	20	0.214
	F	50	0.213	G	100	0.214	H	200	0.216	I	300	0.212			
‡ 1,2-Dichloropropane	A	1.0	0.180	B	2.0	0.210	C	5.0	0.228	D	10	0.236	E	20	0.226
‡	F	50	0.233	G	100	0.237	H	200	0.242	I	300	0.240			
Bromodichloromethane	A	1.0	0.256	B	2.0	0.264	C	5.0	0.302	D	10	0.311	E	20	0.292
	F	50	0.308	G	100	0.309	H	200	0.319	I	300	0.318			
2-Chloroethyl Vinyl Ether				B	2.0	0.120	C	5.0	0.132	D	10	0.132	E	20	0.133
	F	50	0.144	G	100	0.152	H	200	0.162	I	300	0.163			
cis-1,3-Dichloropropene	A	1.0	0.258	B	2.0	0.295	C	5.0	0.321	D	10	0.328	E	20	0.332
	F	50	0.361	G	100	0.370	H	200	0.389	I	300	0.393			
‡ Toluene	A	1.0	0.421	B	2.0	0.460	C	5.0	0.472	D	10	0.520	E	20	0.512
‡	F	50	0.524	G	100	0.527	H	200	0.535	I	300	0.527			
trans-1,3-Dichloropropene	A	1.0	0.575	B	2.0	0.649	C	5.0	0.711	D	10	0.720	E	20	0.725
	F	50	0.774	G	100	0.803	H	200	0.851	I	300	0.846			
1,1,2-Trichloroethane	A	1.0	0.382	B	2.0	0.474	C	5.0	0.479	D	10	0.471	E	20	0.460
	F	50	0.469	G	100	0.471	H	200	0.476	I	300	0.462			
Tetrachloroethene (PCE)	A	1.0	0.346	B	2.0	0.374	C	5.0	0.390	D	10	0.433	E	20	0.411
	F	50	0.400	G	100	0.402	H	200	0.402	I	300	0.386			
Dibromochloromethane				B	2.0	0.552	C	5.0	0.570	D	10	0.597	E	20	0.570
	F	50	0.593	G	100	0.590	H	200	0.610	I	300	0.600			
† Chlorobenzene	A	1.0	1.23	B	2.0	1.42	C	5.0	1.51	D	10	1.58	E	20	1.51
†	F	50	1.55	G	100	1.53	H	200	1.52	I	300	1.47			
‡ Ethylbenzene	A	1.0	0.613	B	2.0	0.632	C	5.0	0.653	D	10	0.732	E	20	0.732
‡	F	50	0.746	G	100	0.754	H	200	0.755	I	300	0.724			
† Bromoform				B	2.0	0.397	C	5.0	0.377	D	10	0.390	E	20	0.375
†	F	50	0.387	G	100	0.394	H	200	0.416	I	300	0.401			
† 1,1,2,2-Tetrachloroethane	A	1.0	0.664	B	2.0	0.922	C	5.0	0.789	D	10	0.776	E	20	0.773
†	F	50	0.799	G	100	0.801	H	200	0.830	I	300	0.783			
1,3-Dichlorobenzene	A	1.0	1.02	B	2.0	1.28	C	5.0	1.26	D	10	1.32	E	20	1.31
	F	50	1.31	G	100	1.30	H	200	1.28	I	300	1.25			
1,4-Dichlorobenzene	A	1.0	1.14	B	2.0	1.36	C	5.0	1.32	D	10	1.38	E	20	1.31
	F	50	1.34	G	100	1.32	H	200	1.31	I	300	1.26			
1,2-Dichlorobenzene	A	1.0	1.08	B	2.0	1.27	C	5.0	1.22	D	10	1.30	E	20	1.28
	F	50	1.32	G	100	1.28	H	200	1.27	I	300	1.24			

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL10052
Instrument ID: MS24

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,2,4-Trichlorobenzene	A	1.0	0.709	B	2.0	0.845	C	5.0	0.800	D	10	0.851	E	20	0.823
	F	50	0.844	G	100	0.849	H	200	0.849	I	300	0.855			
Dibromofluoromethane				B	10	0.239	C	20	0.221	D	30	0.233	E	40	0.205
	F	50	0.222	G	70	0.224	H	80	0.226	I	120	0.225			
Toluene-d8				B	10	0.860	C	20	0.747	D	30	0.786	E	40	0.704
	F	50	0.781	G	70	0.806	H	80	0.799	I	120	0.791			
4-Bromofluorobenzene				B	10	0.816	C	20	0.740	D	30	0.825	E	40	0.732
	F	50	0.774	G	70	0.779	H	80	0.762	I	120	0.737			

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† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL10052
Instrument ID: MS24

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
† Chloromethane	TRG	AverageRF	% RSD	6.5		≤ 15	0.287		0.10
‡ Vinyl Chloride	MS	AverageRF	% RSD	3.8		≤ 15	0.254		0.01
Bromomethane	TRG	AverageRF	% RSD	9.5		≤ 15	0.175		0.01
Chloroethane	TRG	AverageRF	% RSD	5.7		≤ 15	0.167		0.01
Acrolein	TRG	AverageRF	% RSD	5.5		≤ 15	0.0428		0.01
‡ 1,1-Dichloroethene	MS	AverageRF	% RSD	4.4		≤ 15	0.162		0.01
Methylene Chloride	TRG	AverageRF	% RSD	9.5		≤ 15	0.259		0.01
Acrylonitrile	TRG	AverageRF	% RSD	8.3		≤ 15	0.0906		0.01
trans-1,2-Dichloroethene	TRG	AverageRF	% RSD	3.0		≤ 15	0.203		0.01
† 1,1-Dichloroethane	TRG	AverageRF	% RSD	4.7		≤ 15	0.389		0.10
‡ Chloroform	MS	AverageRF	% RSD	5.1		≤ 15	0.384		0.01
1,1,1-Trichloroethane (TCA)	TRG	AverageRF	% RSD	6.4		≤ 15	0.262		0.01
Carbon Tetrachloride	MS	AverageRF	% RSD	4.9		≤ 15	0.232		0.01
Benzene	MS	AverageRF	% RSD	4.1		≤ 15	0.861		0.01
1,2-Dichloroethane (EDC)	TRG	AverageRF	% RSD	5.5		≤ 15	0.321		0.01
Trichloroethene (TCE)	MS	AverageRF	% RSD	1.9		≤ 15	0.216		0.01
‡ 1,2-Dichloropropane	TRG	AverageRF	% RSD	8.7		≤ 15	0.226		0.01
Bromodichloromethane	MS	AverageRF	% RSD	7.7		≤ 15	0.298		0.01
2-Chloroethyl Vinyl Ether	TRG	AverageRF	% RSD	11.0		≤ 15	0.142		0.01
cis-1,3-Dichloropropene	TRG	AverageRF	% RSD	13.2		≤ 15	0.339		0.01
‡ Toluene	MS	AverageRF	% RSD	7.9		≤ 15	0.500		0.01
trans-1,3-Dichloropropene	TRG	AverageRF	% RSD	12.2		≤ 15	0.739		0.01
1,1,2-Trichloroethane	MS	AverageRF	% RSD	6.5		≤ 15	0.460		0.01
Tetrachloroethene (PCE)	TRG	AverageRF	% RSD	6.3		≤ 15	0.394		0.01
Dibromochloromethane	TRG	AverageRF	% RSD	3.3		≤ 15	0.585		0.01
† Chlorobenzene	MS	AverageRF	% RSD	7.0		≤ 15	1.48		0.30
‡ Ethylbenzene	MS	AverageRF	% RSD	7.9		≤ 15	0.704		0.01
† Bromoform	TRG	AverageRF	% RSD	3.4		≤ 15	0.392		0.10
† 1,1,2,2-Tetrachloroethane	TRG	AverageRF	% RSD	8.4		≤ 15	0.793		0.30
1,3-Dichlorobenzene	TRG	AverageRF	% RSD	7.3		≤ 15	1.26		0.01
1,4-Dichlorobenzene	TRG	AverageRF	% RSD	5.4		≤ 15	1.31		0.01
1,2-Dichlorobenzene	MS	AverageRF	% RSD	5.7		≤ 15	1.25		0.01
1,2,4-Trichlorobenzene	TRG	AverageRF	% RSD	5.7		≤ 15	0.825		0.01
Dibromofluoromethane	SURR	AverageRF	% RSD	4.4		≤ 15	0.224		0.01
Toluene-d8	SURR	AverageRF	% RSD	5.7		≤ 15	0.784		0.01
4-Bromofluorobenzene	SURR	AverageRF	% RSD	4.6		≤ 15	0.771		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010
Date Analyzed: 11/15/2010

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration ID: CAL10052
Units: PPB

File ID: J:\MS24\DATA\111510\1115F016.D
J:\MS24\DATA\111510\1115F017.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
† Chloromethane	50	49	0.287	0.280	-3	NA	± 40 %	AverageRF
‡ Vinyl Chloride	50	53	0.254	0.268	5	NA	± 20 %	AverageRF
Bromomethane	50	32	0.175	0.110	-37	NA	± 40 %	AverageRF
Chloroethane	50	49	0.167	0.164	-2	NA	± 40 %	AverageRF
Acrolein	100	100	0.0428	0.0433	1	NA	± 40 %	AverageRF
‡ 1,1-Dichloroethene	50	55	0.162	0.178	10	NA	± 20 %	AverageRF
Methylene Chloride	50	51	0.259	0.267	3	NA	± 30 %	AverageRF
Acrylonitrile	80	82	0.0906	0.0927	2	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	50	54	0.203	0.220	9	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	50	53	0.389	0.411	6	NA	± 30 %	AverageRF
‡ Chloroform	50	54	0.384	0.416	8	NA	± 20 %	AverageRF
1,1,1-Trichloroethane (TCA)	50	56	0.262	0.291	11	NA	± 30 %	AverageRF
Carbon Tetrachloride	50	54	0.232	0.249	7	NA	± 30 %	AverageRF
Benzene	50	54	0.861	0.929	8	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	50	54	0.321	0.347	8	NA	± 30 %	AverageRF
Trichloroethene (TCE)	50	53	0.216	0.228	6	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	50	54	0.226	0.243	8	NA	± 20 %	AverageRF
Bromodichloromethane	50	54	0.298	0.320	8	NA	± 30 %	AverageRF
2-Chloroethyl Vinyl Ether	50	50	0.142	0.143	1	NA	± 40 %	AverageRF
cis-1,3-Dichloropropene	50	53	0.339	0.359	6	NA	± 30 %	AverageRF
‡ Toluene	50	55	0.500	0.546	9	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	50	51	0.739	0.756	2	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	50	55	0.460	0.510	11	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	50	53	0.394	0.419	6	NA	± 30 %	AverageRF
Dibromochloromethane	50	53	0.585	0.625	7	NA	± 30 %	AverageRF
† Chlorobenzene	50	54	1.48	1.59	8	NA	± 30 %	AverageRF
‡ Ethylbenzene	50	55	0.704	0.773	10	NA	± 20 %	AverageRF
† Bromoform	50	53	0.392	0.417	6	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	50	51	0.793	0.810	2	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	50	52	1.26	1.32	5	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	50	51	1.31	1.34	2	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	50	53	1.25	1.31	5	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	50	50	0.825	0.823	0	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/24/2010

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 11/15/2010
Calibration ID: CAL10052
Analysis Lot: KWG1012930
Units: PPB

File ID: J:\MS24\DATA\112410\1124F010.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
† Chloromethane	50	47	0.10	0.287	0.270	-6	NA	± 40 %	AverageRF
‡ Vinyl Chloride	50	54	0.01	0.254	0.276	9	NA	± 20 %	AverageRF
Bromomethane	50	58	0.01	0.175	0.203	16	NA	± 40 %	AverageRF
Chloroethane	50	59	0.01	0.167	0.198	19	NA	± 40 %	AverageRF
Acrolein	250	250	0.01	0.0428	0.0426	-1	NA	± 40 %	AverageRF
‡ 1,1-Dichloroethene	50	48	0.01	0.162	0.157	-3	NA	± 20 %	AverageRF
Methylene Chloride	50	49	0.01	0.259	0.254	-2	NA	± 30 %	AverageRF
Acrylonitrile	100	87	0.01	0.0906	0.0791	-13	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	50	51	0.01	0.203	0.205	1	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	50	50	0.10	0.389	0.387	-1	NA	± 30 %	AverageRF
‡ Chloroform	50	51	0.01	0.384	0.393	2	NA	± 20 %	AverageRF
1,1,1-Trichloroethane (TCA)	50	48	0.01	0.262	0.252	-4	NA	± 30 %	AverageRF
Carbon Tetrachloride	50	48	0.01	0.232	0.223	-4	NA	± 30 %	AverageRF
Benzene	50	50	0.01	0.861	0.857	0	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	50	49	0.01	0.321	0.315	-2	NA	± 30 %	AverageRF
Trichloroethene (TCE)	50	49	0.01	0.216	0.213	-1	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	50	49	0.01	0.226	0.221	-2	NA	± 20 %	AverageRF
Bromodichloromethane	50	50	0.01	0.298	0.295	-1	NA	± 30 %	AverageRF
2-Chloroethyl Vinyl Ether	50	41	0.01	0.142	0.117	-18	NA	± 40 %	AverageRF
cis-1,3-Dichloropropene	50	49	0.01	0.339	0.330	-3	NA	± 30 %	AverageRF
‡ Toluene	50	52	0.01	0.500	0.515	3	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	50	50	0.01	0.739	0.738	0	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	50	51	0.01	0.460	0.471	2	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	50	54	0.01	0.394	0.424	8	NA	± 30 %	AverageRF
Dibromochloromethane	50	49	0.01	0.585	0.573	-2	NA	± 30 %	AverageRF
† Chlorobenzene	50	53	0.30	1.48	1.57	6	NA	± 30 %	AverageRF
‡ Ethylbenzene	50	55	0.01	0.704	0.780	11	NA	± 20 %	AverageRF
† Bromoform	50	47	0.10	0.392	0.366	-7	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	50	47	0.30	0.793	0.738	-7	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	50	54	0.01	1.26	1.36	8	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	50	53	0.01	1.31	1.38	6	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	50	52	0.01	1.25	1.30	4	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	50	52	0.01	0.825	0.857	4	NA	± 30 %	AverageRF
Dibromofluoromethane	50	54	0.01	0.224	0.243	8	NA	± 30 %	AverageRF
Toluene-d8	50	60	0.01	0.784	0.940	20	NA	± 30 %	AverageRF
4-Bromofluorobenzene	50	54	0.01	0.771	0.838	9	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Analysis Run Log
Volatile Organic Compounds

Analysis Method: 8260B

Analysis Lot: KWG1012930
Instrument ID: MS24

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1124F009.D	GC/MS Tuning - Bromofluorobenzene	KWG1012930-1	11/24/2010	13:31		11/24/2010	13:44
1124F010.D	Continuing Calibration Verification	KWG1012930-2	11/24/2010	14:03		11/24/2010	14:16
1124F016.D	Method Blank	KWG1012941-5	11/24/2010	16:31		11/24/2010	16:44
1124F017.D	SL0001	K1012914-001	11/24/2010	16:52		11/24/2010	17:05
1124F018.D	SL0002	K1012914-002	11/24/2010	17:13		11/24/2010	17:26
1124F019.D	SL0009	K1012914-009	11/24/2010	17:35		11/24/2010	17:48
1124F020.D	SL0010	K1012914-010	11/24/2010	17:56		11/24/2010	18:09
1124F021.D	SL0017	K1012914-016	11/24/2010	18:17		11/24/2010	18:30
1124F022.D	SL0018	K1012914-017	11/24/2010	18:39		11/24/2010	18:52
1124F023.D	SL0019	K1012914-018	11/24/2010	19:00		11/24/2010	19:13
1124F024.D	SL0020	K1012914-019	11/24/2010	19:21		11/24/2010	19:34
1124F025.D	SL0001MS	KWG1012941-1	11/24/2010	19:42		11/24/2010	19:55
1124F026.D	SL0001DMS	KWG1012941-2	11/24/2010	20:04		11/24/2010	20:17
1124F028.D	Lab Control Sample	KWG1012941-3	11/24/2010	20:46		11/24/2010	20:59
1124F029.D	Duplicate Lab Control Sample	KWG1012941-4	11/24/2010	21:08		11/24/2010	21:21

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Extracted: 11/24/2010

Extraction Prep Log
Volatile Organic Compounds

Extraction Method: EPA 5030A
Analysis Method: 8260B

Extraction Lot: KWG1012941
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SL0001	K1012914-001	11/15/10	11/17/10	5.13g	5.0ml	83.8	
SL0002	K1012914-002	11/15/10	11/17/10	5.07g	5.0ml	88.2	
SL0009	K1012914-009	11/15/10	11/17/10	5.09g	5.0ml	85.4	
SL0010	K1012914-010	11/15/10	11/17/10	5.14g	5.0ml	88.7	
SL0017	K1012914-016	11/15/10	11/17/10	5.08g	5.0ml	82.6	
SL0018	K1012914-017	11/15/10	11/17/10	5.07g	5.0ml	82.0	
SL0019	K1012914-018	11/15/10	11/17/10	5.13g	5.0ml	84.5	
SL0020	K1012914-019	11/15/10	11/17/10	5.04g	5.0ml	85.1	
Method Blank	KWG1012941-5	NA	NA	5.00g	5.0ml	NA	
SL0001MS	KWG1012941-1	11/15/10	11/17/10	5.00g	5.0ml	83.8	
SL0001DMS	KWG1012941-2	11/15/10	11/17/10	5.04g	5.0ml	83.8	
Lab Control Sample	KWG1012941-3	NA	NA	5.00g	5.0ml	NA	
Duplicate Lab Control Sample	KWG1012941-4	NA	NA	5.00g	5.0ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Organic Analysis:
Volatile Organic Compounds

Validation Package

Organic Analysis:
Volatile Organic Compounds

Validation Package

QC Reports

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Surrogate Recovery Summary
Volatile Organic Compounds

Extraction Method: EPA 5030A
Analysis Method: 8260B

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3
SL0001	K1012914-001	109	113	95
SL0002	K1012914-002	110	112	91
SL0009	K1012914-009	110	115	98
SL0010	K1012914-010	111	114	96
SL0017	K1012914-016	111	112	91
SL0018	K1012914-017	111	112	91
SL0019	K1012914-018	112	113	94
SL0020	K1012914-019	111	113	96
Method Blank	KWG1012941-5	110	115	97
SL0001MS	KWG1012941-1	110	121	103
SL0001DMS	KWG1012941-2	109	120	104
Lab Control Sample	KWG1012941-3	111	122	107
Duplicate Lab Control Sample	KWG1012941-4	108	120	106

Surrogate Recovery Control Limits (%)

Sur1 =	Dibromofluoromethane	83-128
Sur2 =	Toluene-d8	90-125
Sur3 =	4-Bromofluorobenzene	77-124

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/24/2010
		Time Analyzed:	14:03

Internal Standard Area and RT Summary
Volatile Organic Compounds

File ID:	J:\MS24\DATA\112410\1124F010.D	**Lab Code:**	KWG1012930-2
Instrument ID:	MS24	**Analysis Lot:**	KWG1012930
Analysis Method:	8260B		

		Fluorobenzene		Chlorobenzene-d5		1,4-Dichlorobenzene-d4	
		Area	RT	Area	RT	Area	RT
	Results ==>	259,368	4.02	97,222	6.65	87,249	8.98
	Upper Limit ==>	518,736	4.52	194,444	7.15	174,498	9.48
	Lower Limit ==>	129,684	3.52	48,611	6.15	43,625	8.48
	ICAL Result ==>	405,028	4.02	160,172	6.65	144,719	8.98
Associated Analyses							
Method Blank	KWG1012941-5	250,681	4.02	93,021	6.65	77,482	8.98
SL0001	K1012914-001	259,018	4.02	93,036	6.65	73,666	8.98
SL0002	K1012914-002	247,684	4.02	87,640	6.65	60,529	8.98
SL0009	K1012914-009	244,834	4.02	91,074	6.65	75,015	8.98
SL0010	K1012914-010	255,440	4.02	93,903	6.65	76,641	8.98
SL0017	K1012914-016	249,038	4.02	87,938	6.65	62,222	8.98
SL0018	K1012914-017	250,850	4.02	87,482	6.65	61,522	8.98
SL0019	K1012914-018	245,587	4.02	88,377	6.65	68,491	8.98
SL0020	K1012914-019	242,625	4.02	86,081	6.65	68,280	8.98
SL0001MS	KWG1012941-1	260,663	4.02	101,407	6.65	85,933	8.98
SL0001DMS	KWG1012941-2	267,054	4.02	100,641	6.65	84,577	8.98
Lab Control Sample	KWG1012941-3	269,601	4.02	106,408	6.65	95,002	8.98
Duplicate Lab Control Sample	KWG1012941-4	282,971	4.02	108,552	6.65	97,494	8.98

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/24/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010

Matrix Spike/Duplicate Matrix Spike Summary
Volatile Organic Compounds

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG1012941

		SL0001MS KWG1012941-1 Matrix Spike			SL0001DMS KWG1012941-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Vinyl Chloride	ND	59.5	59.7	100	58.2	59.2	98	12-160	2	40
1,1-Dichloroethene	ND	58.4	59.7	98	56.2	59.2	95	31-153	4	40
Chloroform	ND	57.0	59.7	96	54.4	59.2	92	30-138	5	40
Carbon Tetrachloride	ND	55.2	59.7	93	51.9	59.2	88	10-144	6	40
Benzene	ND	54.9	59.7	92	52.1	59.2	88	30-137	5	40
Trichloroethene (TCE)	ND	55.0	59.7	92	52.6	59.2	89	18-145	5	40
Bromodichloromethane	ND	54.4	59.7	91	50.8	59.2	86	14-146	7	40
Toluene	ND	54.8	59.7	92	51.9	59.2	88	15-135	6	40
1,1,2-Trichloroethane	ND	53.8	59.7	90	53.1	59.2	90	18-141	1	40
Chlorobenzene	ND	51.5	59.7	86	49.2	59.2	83	15-124	5	40
Ethylbenzene	ND	54.1	59.7	91	51.6	59.2	87	13-128	5	40
1,2-Dichlorobenzene	ND	42.4	59.7	71	39.5	59.2	67	10-124	7	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/24/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Volatile Organic Compounds

Extraction Method:	EPA 5030A	**Units:**	ug/Kg
Analysis Method:	8260B	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1012941

	Lab Control Sample KWG1012941-3 Lab Control Spike			Duplicate Lab Control Sample KWG1012941-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Chloromethane	36.3	50.0	73	36.8	50.0	74	37-146	2	40
Vinyl Chloride	44.1	50.0	88	44.0	50.0	88	54-127	0	40
Bromomethane	40.4	50.0	81	41.4	50.0	83	22-180	3	40
Chloroethane	48.4	50.0	97	47.7	50.0	95	39-147	1	40
Acrolein	97.3	100	97	101	100	101	10-218	4	40
1,1-Dichloroethene	43.7	50.0	87	44.0	50.0	88	64-152	1	40
Methylene Chloride	44.5	50.0	89	44.4	50.0	89	56-131	0	40
Acrylonitrile	128	100	128	125	100	125	41-202	2	40
trans-1,2-Dichloroethene	44.2	50.0	88	44.2	50.0	88	77-127	0	40
1,1-Dichloroethane	44.2	50.0	88	44.2	50.0	88	59-137	0	40
Chloroform	46.5	50.0	93	46.6	50.0	93	61-137	0	40
1,1,1-Trichloroethane (TCA)	43.7	50.0	87	43.5	50.0	87	59-146	1	40
Carbon Tetrachloride	43.1	50.0	86	41.9	50.0	84	60-152	3	40
Benzene	44.3	50.0	89	44.1	50.0	88	56-148	0	40
1,2-Dichloroethane (EDC)	47.0	50.0	94	46.6	50.0	93	57-139	1	40
Trichloroethene (TCE)	45.0	50.0	90	43.3	50.0	87	76-124	4	40
1,2-Dichloropropane	44.6	50.0	89	44.3	50.0	89	58-135	1	40
Bromodichloromethane	44.5	50.0	89	44.2	50.0	88	61-143	1	40
2-Chloroethyl Vinyl Ether	44.9	50.0	90	44.4	50.0	89	39-167	1	40
cis-1,3-Dichloropropene	44.0	50.0	88	43.3	50.0	87	58-138	2	40
Toluene	45.7	50.0	91	44.5	50.0	89	75-117	3	40
trans-1,3-Dichloropropene	40.6	50.0	81	40.7	50.0	81	63-121	0	40
1,1,2-Trichloroethane	46.4	50.0	93	47.1	50.0	94	56-133	1	40
Tetrachloroethene (PCE)	43.6	50.0	87	43.8	50.0	88	66-126	1	40
Dibromochloromethane	42.8	50.0	86	44.5	50.0	89	58-140	4	40
Chlorobenzene	44.4	50.0	89	44.3	50.0	89	70-116	0	40
Ethylbenzene	45.2	50.0	90	45.3	50.0	91	70-118	0	40
Bromoform	41.9	50.0	84	43.2	50.0	86	62-134	3	40
1,1,2,2-Tetrachloroethane	41.1	50.0	82	42.3	50.0	85	53-133	3	40
1,3-Dichlorobenzene	43.5	50.0	87	42.7	50.0	85	52-131	2	40
1,4-Dichlorobenzene	42.6	50.0	85	41.6	50.0	83	52-128	2	40
1,2-Dichlorobenzene	42.7	50.0	85	41.9	50.0	84	53-128	2	40
1,2,4-Trichlorobenzene	38.1	50.0	76	36.9	50.0	74	57-136	3	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/24/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010
		Time Analyzed:	16:31

Method Blank Summary
Volatile Organic Compounds

Sample Name:	Method Blank	**File ID:**	J:\MS24\DATA\112410\1124F016.D
Lab Code:	KWG1012941-5	**Instrument ID:**	MS24
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG1012941

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
SL0019	K1012914-018	J:\MS24\DATA\112410\1124F023.D	11/24/10	19:00
SL0020	K1012914-019	J:\MS24\DATA\112410\1124F024.D	11/24/10	19:21
SL0001MS	KWG1012941-1	J:\MS24\DATA\112410\1124F025.D	11/24/10	19:42
SL0001DMS	KWG1012941-2	J:\MS24\DATA\112410\1124F026.D	11/24/10	20:04
Lab Control Sample	KWG1012941-3	J:\MS24\DATA\112410\1124F028.D	11/24/10	20:46
Duplicate Lab Control Sample	KWG1012941-4	J:\MS24\DATA\112410\1124F029.D	11/24/10	21:08
SL0001	K1012914-001	J:\MS24\DATA\112410\1124F017.D	11/24/10	16:52
SL0002	K1012914-002	J:\MS24\DATA\112410\1124F018.D	11/24/10	17:13
SL0009	K1012914-009	J:\MS24\DATA\112410\1124F019.D	11/24/10	17:35
SL0010	K1012914-010	J:\MS24\DATA\112410\1124F020.D	11/24/10	17:56
SL0017	K1012914-016	J:\MS24\DATA\112410\1124F021.D	11/24/10	18:17
SL0018	K1012914-017	J:\MS24\DATA\112410\1124F022.D	11/24/10	18:39

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/24/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/24/2010
		Time Analyzed:	20:46

Lab Control Sample Summary
Volatile Organic Compounds

Sample Name:	Lab Control Sample	**File ID:**	J:\MS24\DATA\112410\1124F028.D
Lab Code:	KWG1012941-3	**Instrument ID:**	MS24
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B	**Extraction Lot:**	KWG1012941

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012941-5	J:\MS24\DATA\112410\1124F016.D	11/24/10	16:31
SL0001	K1012914-001	J:\MS24\DATA\112410\1124F017.D	11/24/10	16:52
SL0002	K1012914-002	J:\MS24\DATA\112410\1124F018.D	11/24/10	17:13
SL0009	K1012914-009	J:\MS24\DATA\112410\1124F019.D	11/24/10	17:35
SL0010	K1012914-010	J:\MS24\DATA\112410\1124F020.D	11/24/10	17:56
SL0017	K1012914-016	J:\MS24\DATA\112410\1124F021.D	11/24/10	18:17
SL0018	K1012914-017	J:\MS24\DATA\112410\1124F022.D	11/24/10	18:39
SL0019	K1012914-018	J:\MS24\DATA\112410\1124F023.D	11/24/10	19:00
SL0020	K1012914-019	J:\MS24\DATA\112410\1124F024.D	11/24/10	19:21
SL0001MS	KWG1012941-1	J:\MS24\DATA\112410\1124F025.D	11/24/10	19:42
SL0001DMS	KWG1012941-2	J:\MS24\DATA\112410\1124F026.D	11/24/10	20:04

Organic Analysis:
Volatile Organic Compounds

Validation Package

Raw Data

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.9	0.54	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.9	0.73	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.1	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**4.6**	J	12	0.51	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.9	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.9	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.9	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.9	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.9	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.9	0.31	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.9	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.9	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.9	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0001
Lab Code: K1012914-001

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	109	83-128	11/24/10	Acceptable
Toluene-d8	113	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	95	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File: J:\MS24\DATA\112410\1124F017.D
Lab ID: K1012914-001
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 16:52
Date Quantitated: 11/26/2010 08:33
Batch ID: KWG1012930
Analysis Method: 8260B
ListJoinID: LJ12113

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/26/10
Secondary Review: 11/29/10

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	K1012914
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981954	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:	Volatile Organic Compounds	**Report List ID:**	LJ12118
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Report List**	

Data File:	J:\MS24\DATA\112410\1124F017.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 16:52	**Quant Date:**	11/26/2010 08:33	**Vial:**	9
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-001			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	259018	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	93036	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	73666	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	63311	54.52	109	83-128 OK	
1	Toluene-d8	5.31	0.00	0.00	98	229365	56.45	113	90-125 OK	
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	68281	47.61	95	77-124 OK	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Chloromethane				50	0		0.54	U	
1	Vinyl Chloride				62	0		0.37	U	
1	Bromomethane				96	0		0.73	U	
1	Chloroethane				64	0		0.37	U	
1	Acrolein				56	0		3.1	U	
1	1,1-Dichloroethene				96	0		0.27	U	
1	Methylene Chloride	2.26	-0.01	0.00	84	5349	3.98	4.6	J	
1	Acrylonitrile				53	0		1.4	U	
1	trans-1,2-Dichloroethene				96	0		0.41	U	
1	1,1-Dichloroethane				63	0		0.24	U	
1	Chloroform				83	0		0.26	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.41	U	
1	Carbon Tetrachloride				117	0		0.42	U	
1	Benzene				78	0		0.26	U	
1	1,2-Dichloroethane (EDC)				62	0d		0.18	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F017.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 16:52	**Quant Date:**	11/26/2010 08:33	**Vial:**	9
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-001			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Trichloroethene (TCE)				95	0		0.32	U	
1	1,2-Dichloropropane				63	0		0.26	U	
1	Bromodichloromethane				83	0		0.18	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.56	U	
1	cis-1,3-Dichloropropene				75	0		0.26	U	
1	Toluene				92	0		0.21	U	
2	trans-1,3-Dichloropropene				75	0		0.40	U	
2	1,1,2-Trichloroethane				83	0		0.27	U	
2	Tetrachloroethene (PCE)				164	0		0.31	U	
2	Dibromochloromethane				129	0		0.23	U	
2	Chlorobenzene				112	0		0.30	U	
2	Ethylbenzene				106	0		0.26	U	
2	Bromoform				173	0		0.35	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.42	U	
3	1,3-Dichlorobenzene				146	0		0.28	U	
3	1,4-Dichlorobenzene				146	0		0.30	U	
3	1,2-Dichlorobenzene				146	0		0.26	U	
3	1,2,4-Trichlorobenzene				180	0		0.27	U	

Prep Amount:	5.13 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	83.8 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

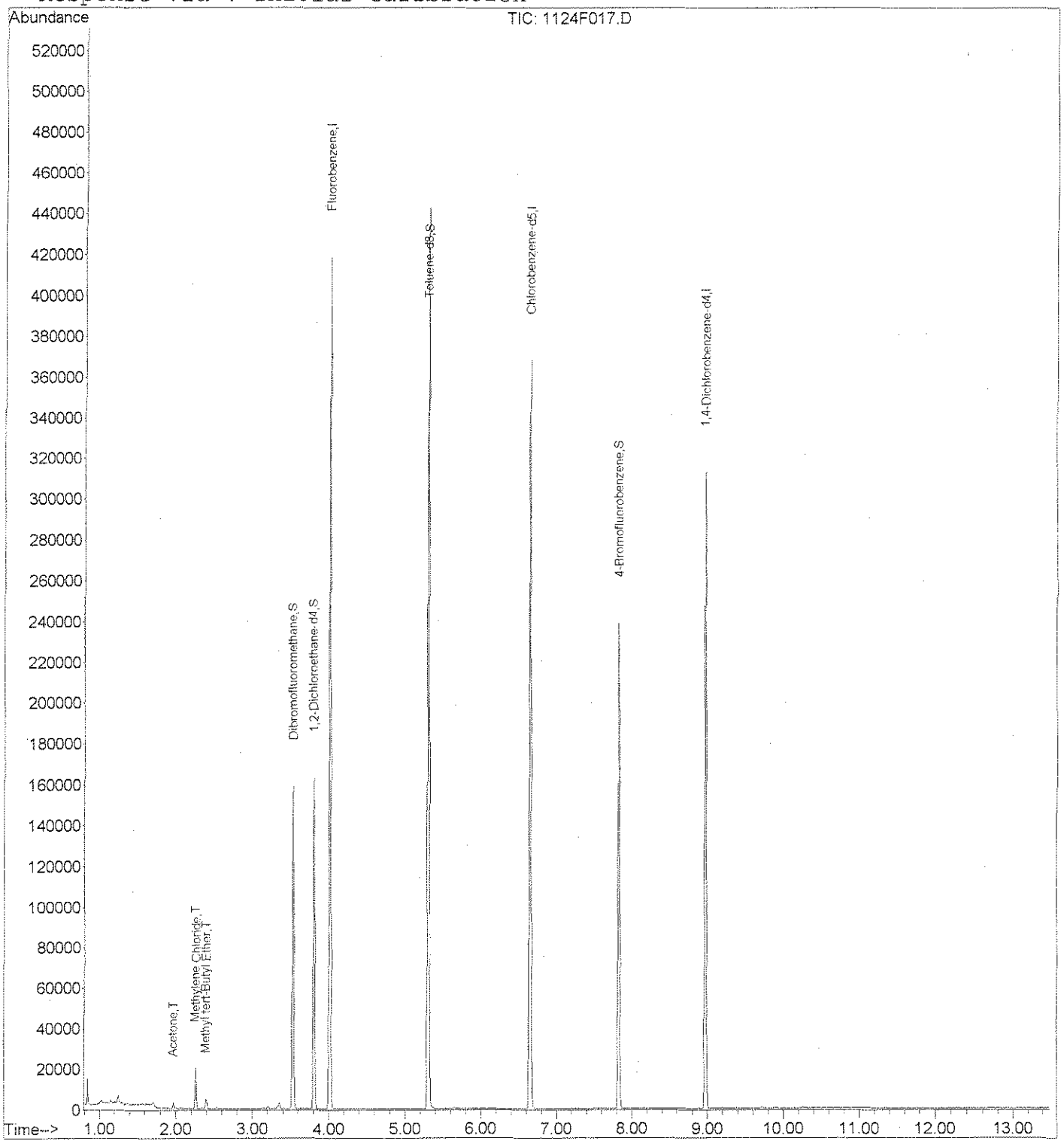
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

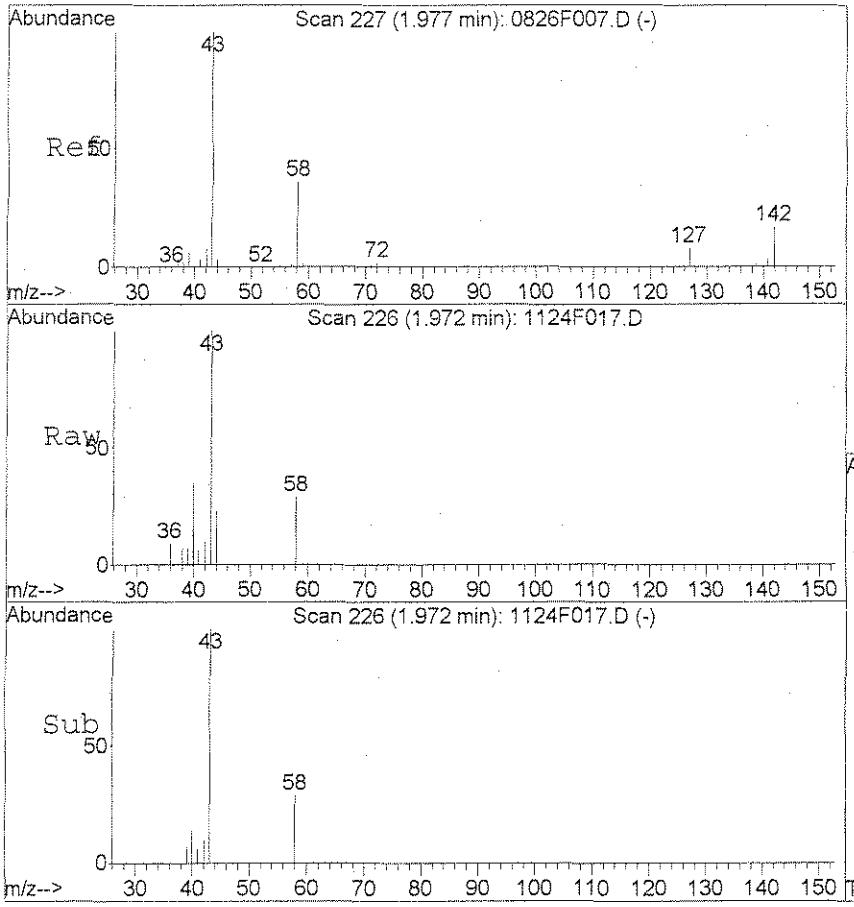
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F017.D Vial: 9
Acq On : 24 Nov 2010 4:52 pm Operator: KR
Sample : K1012914-001 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 26 8:33 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration

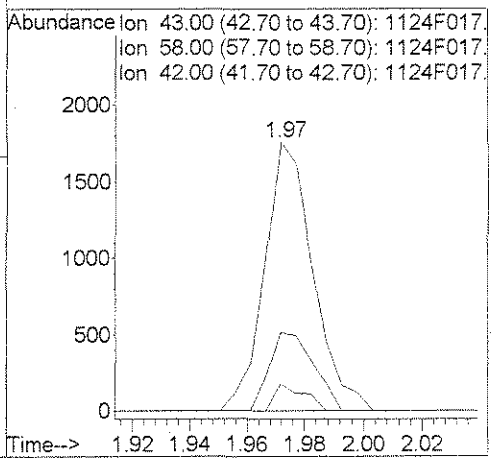


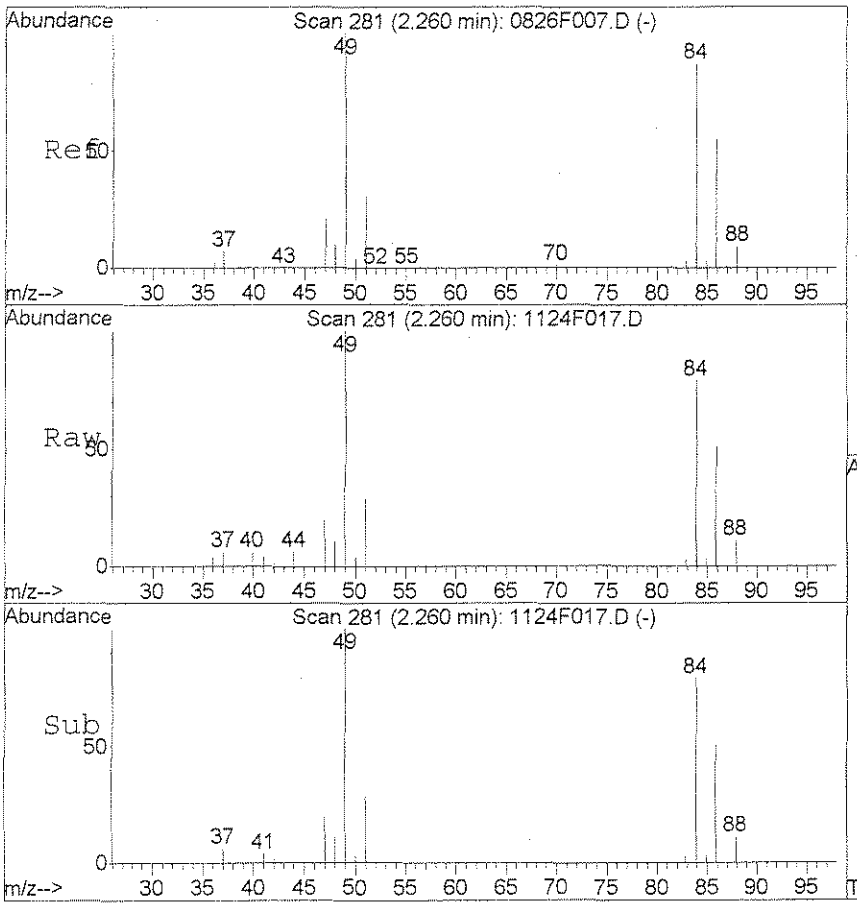


#13
Acetone
Concen: 4.47 PPB
RT: 1.97 min Scan# 226
Delta R.T. -0.01 min
Lab File: 1124F017.D
Acq: 24 Nov 2010 4:52 pm

Tgt Ion: 43 Resp: 2048

Ion	Ratio	Lower	Upper
43	100		
58	29.3	6.0	66.0
42	10.1	0.0	38.1

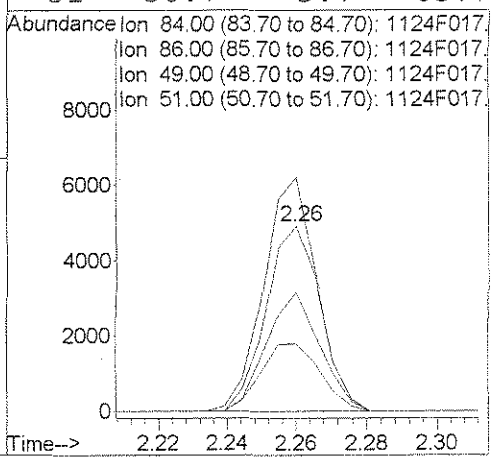


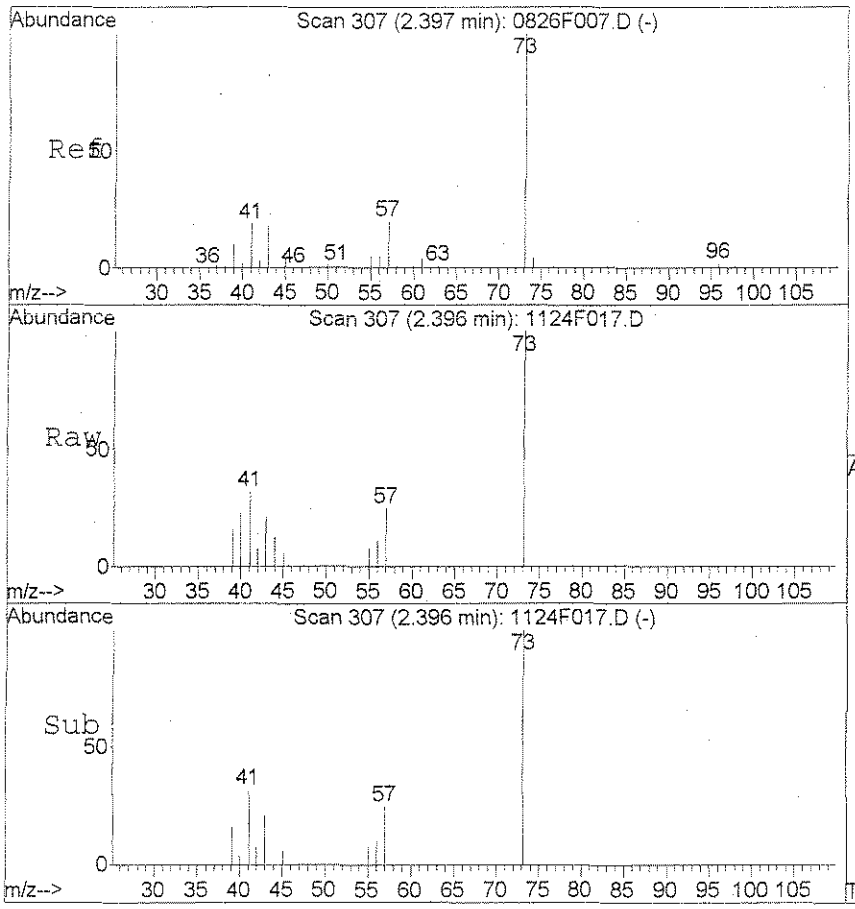


#18
Methylene Chloride
Concen: 3.98 PPB
RT: 2.26 min Scan# 281
Delta R.T. 0.00 min
Lab File: 1124F017.D
Acq: 24 Nov 2010 4:52 pm

Tgt Ion: 84 Resp: 5349

Ion	Ratio	Lower	Upper
84	100		
86	64.4	32.8	92.8
49	126.5	84.9	144.9
51	36.7	5.7	65.7

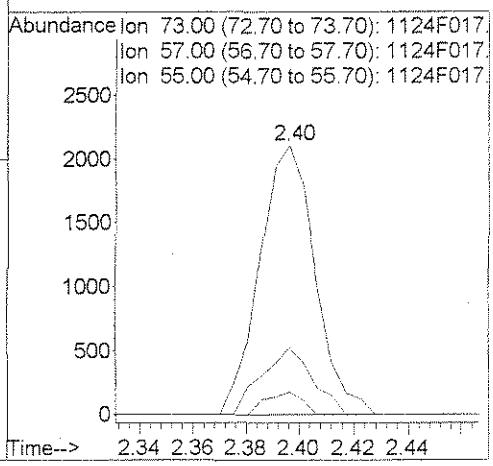




#21
Methyl tert-Butyl Ether
Concen: 0.92 PPB
RT: 2.40 min Scan# 307
Delta R.T. -0.00 min
Lab File: 1124F017.D
Acq: 24 Nov 2010 4:52 pm

Tgt Ion: 73 Resp: 3058

Ion	Ratio	Lower	Upper
73	100		
57	24.9	0.0	51.1
55	8.4	0.0	35.2



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0002
Lab Code: K1012914-002

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 5030A
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.6	0.52	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.6	0.35	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.6	0.70	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.6	0.35	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	23	3.0	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.6	0.26	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**5.1**	J	12	0.49	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.6	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.6	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.6	0.23	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.6	0.40	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.6	0.41	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.6	0.17	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.6	0.31	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.6	0.17	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.54	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.6	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.6	0.39	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.6	0.26	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.6	0.30	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.6	0.22	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.6	0.28	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.6	0.34	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.6	0.41	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.6	0.27	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.6	0.28	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	23	0.26	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0002
Lab Code: K1012914-002

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	83-128	11/24/10	Acceptable
Toluene-d8	112	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	91	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File: J:\MS24\DATA\112410\1124F018.D
Lab ID: K1012914-002
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 17:13
Date Quantitated: 11/26/2010 08:34
Batch ID: KWG1012930
Analysis Method: 8260B
ListJoinID: LJ121158

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	K1012914
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981955	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:	Volatile Organic Compounds	**Report List ID:**	LJ12118
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Report List**	

Data File:	J:\MS24\DATA\112410\1124F018.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 17:13	**Quant Date:**	11/26/2010 08:34	**Vial:**	10
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-002			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	247684	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	87640	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	60529	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	61084	55.01	110	83-128	OK
1	Toluene-d8	5.31	0.00	0.00	98	218360	56.20	112	90-125	OK
2	4-Bromofluorobenzene	7.82	-0.01	0.00	95	61767	45.72	91	77-124	OK

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Chloromethane				50	0		0.52	U	
1	Vinyl Chloride				62	0		0.35	U	
1	Bromomethane				96	0		0.70	U	
1	Chloroethane				64	0		0.35	U	
1	Acrolein				56	0		3.0	U	
1	1,1-Dichloroethene				96	0		0.26	U	
1	Methylene Chloride	2.27		0.00	84	5890	4.58	5.1	J	
1	Acrylonitrile				53	0		1.4	U	
1	trans-1,2-Dichloroethene				96	0		0.40	U	
1	1,1-Dichloroethane				63	0		0.23	U	
1	Chloroform				83	0		0.25	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.40	U	
1	Carbon Tetrachloride				117	0		0.41	U	
1	Benzene				78	0		0.25	U	
1	1,2-Dichloroethane (EDC)				62	0d		0.17	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F018.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 17:13	**Quant Date:**	11/26/2010 08:34	**Vial:**	10
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-002			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Trichloroethene (TCE)				95	0		0.31	U	
1	1,2-Dichloropropane				63	0		0.25	U	
1	Bromodichloromethane				83	0		0.17	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.54	U	
1	cis-1,3-Dichloropropene				75	0		0.25	U	
1	Toluene				92	0		0.21	U	
2	trans-1,3-Dichloropropene				75	0		0.39	U	
2	1,1,2-Trichloroethane				83	0		0.26	U	
2	Tetrachloroethene (PCE)				164	0		0.30	U	
2	Dibromochloromethane				129	0		0.22	U	
2	Chlorobenzene				112	0		0.28	U	
2	Ethylbenzene				106	0		0.25	U	
2	Bromoform				173	0		0.34	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.41	U	
3	1,3-Dichlorobenzene				146	0		0.27	U	
3	1,4-Dichlorobenzene				146	0		0.28	U	
3	1,2-Dichlorobenzene				146	0		0.25	U	
3	1,2,4-Trichlorobenzene				180	0		0.26	U	

Prep Amount:	5.07 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	88.2 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

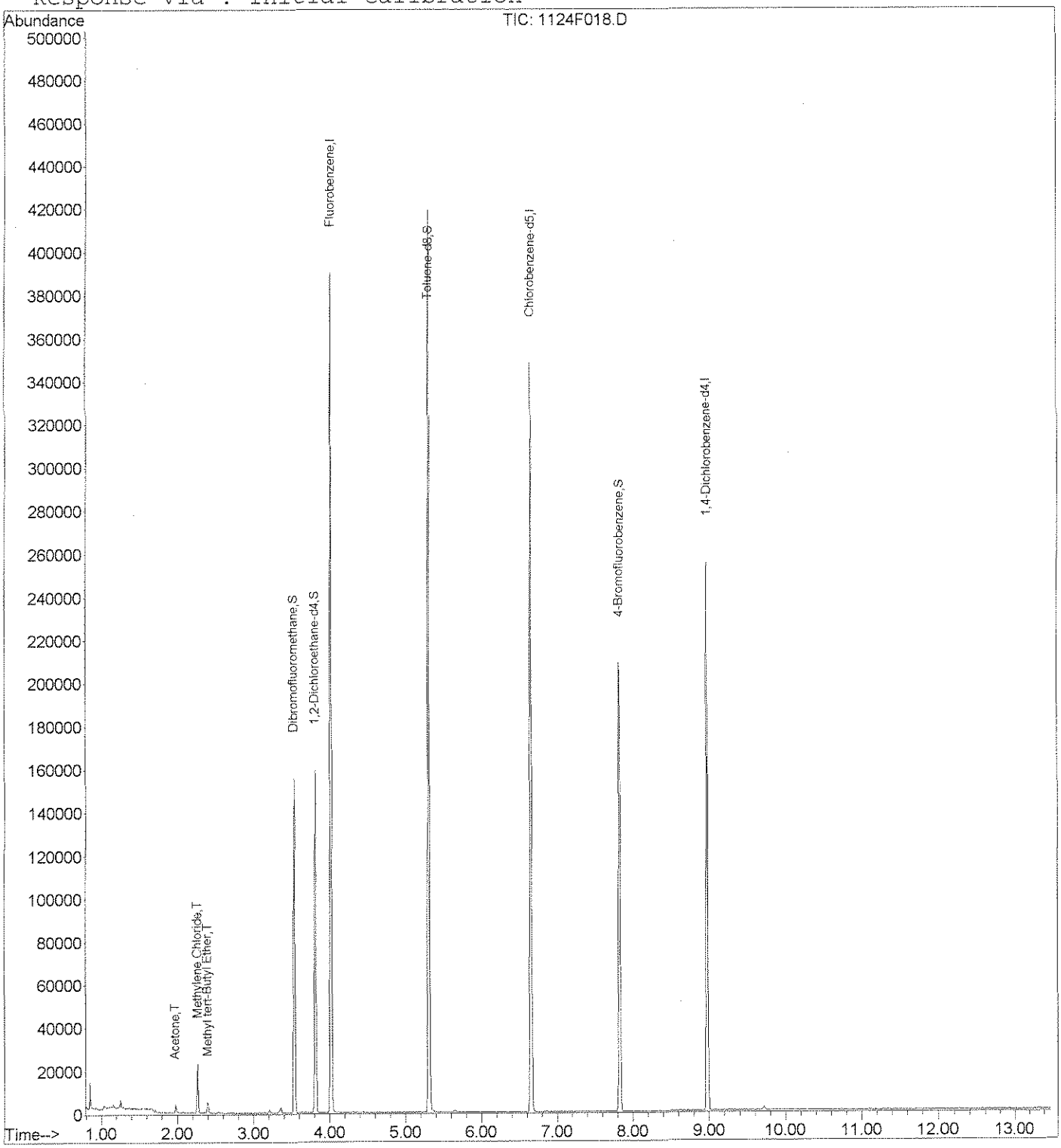
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

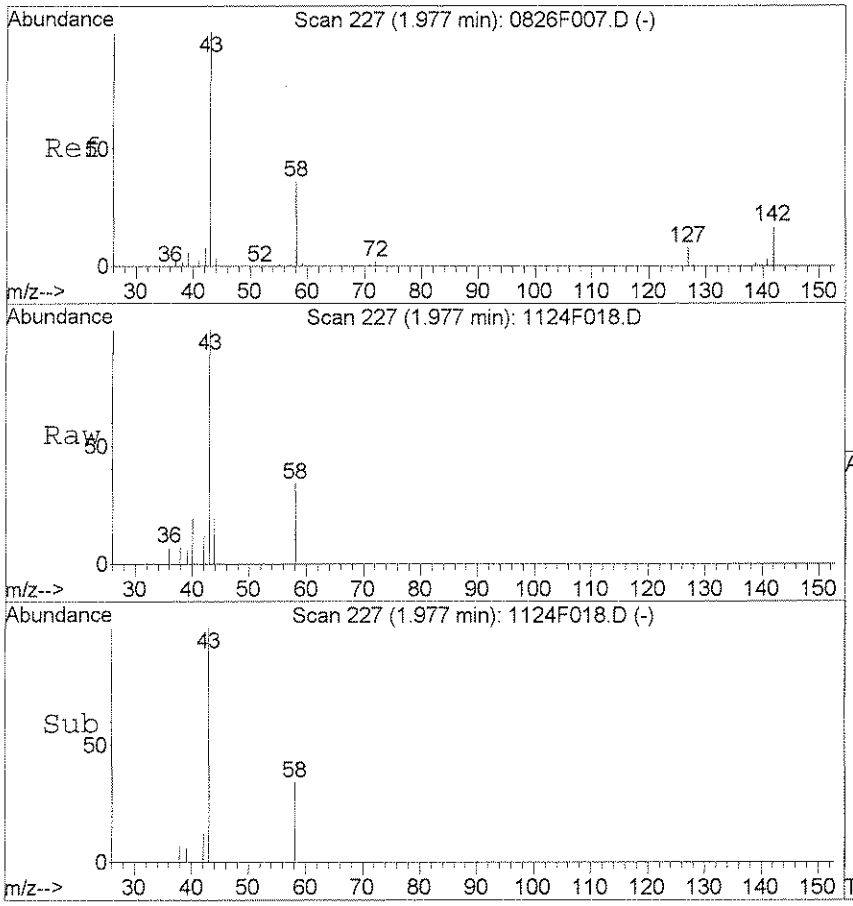
Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F018.D
Acq On : 24 Nov 2010 5:13 pm
Sample : K1012914-002
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:34 2010

Vial: 10
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration

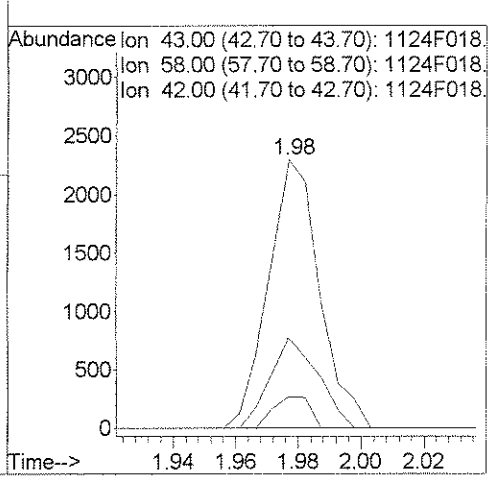


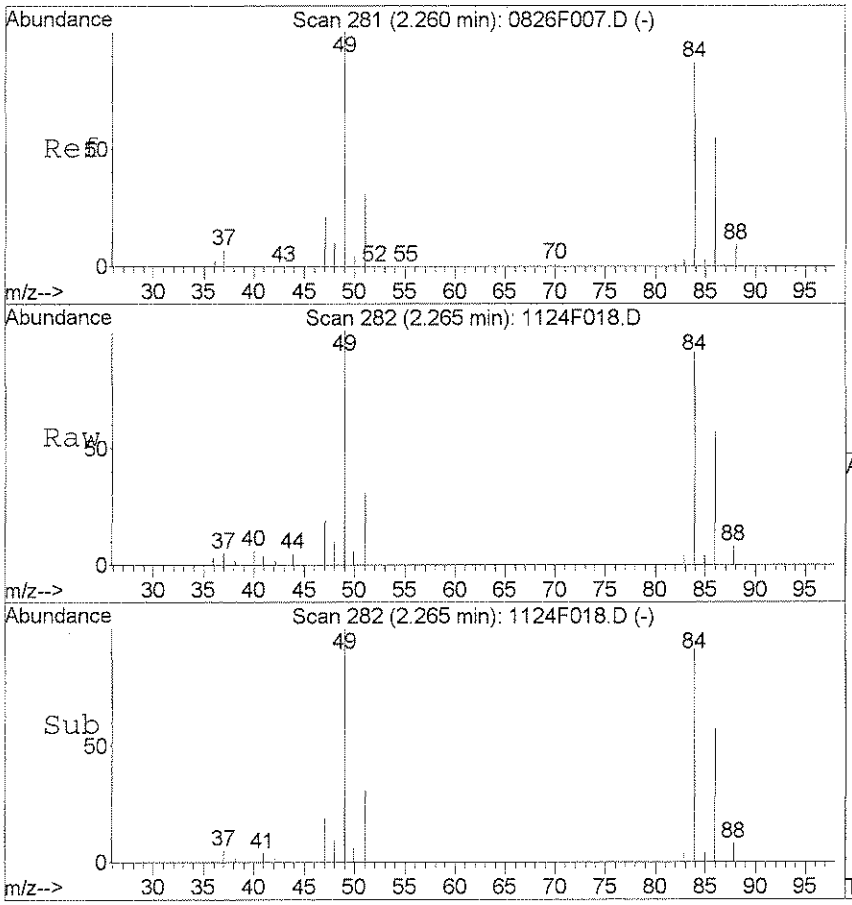


#13
Acetone
Concen: 5.96 PPB
RT: 1.98 min Scan# 227
Delta R.T. -0.00 min
Lab File: 1124F018.D
Acq: 24 Nov 2010 5:13 pm

Tgt Ion: 43 Resp: 2610

Ion	Ratio	Lower	Upper
43	100		
58	33.7	6.0	66.0
42	11.7	0.0	38.1

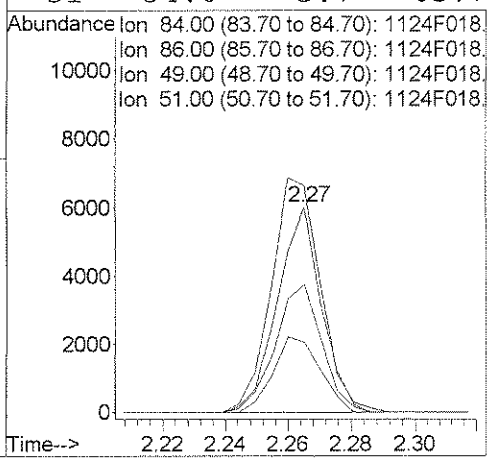


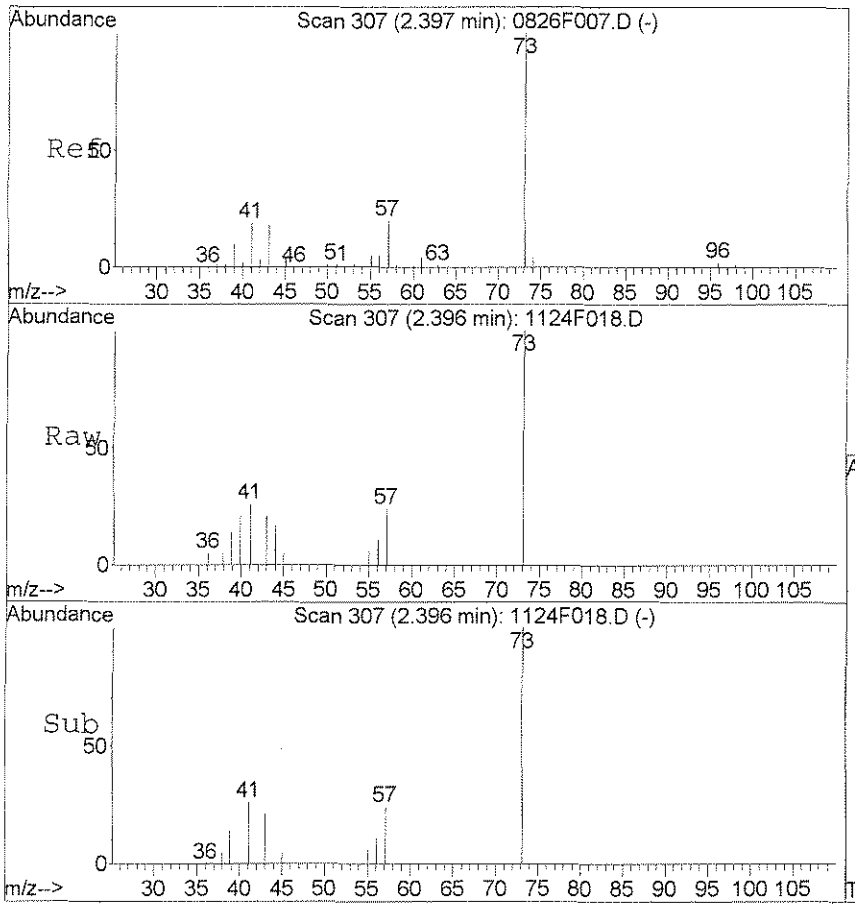


#18
Methylene Chloride
Concen: 4.58 PPB
RT: 2.27 min Scan# 282
Delta R.T. 0.01 min
Lab File: 1124F018.D
Acq: 24 Nov 2010 5:13 pm

Tgt Ion: 84 Resp: 5890

Ion	Ratio	Lower	Upper
84	100		
86	62.3	32.8	92.8
49	110.2	84.9	144.9
51	34.0	5.7	65.7

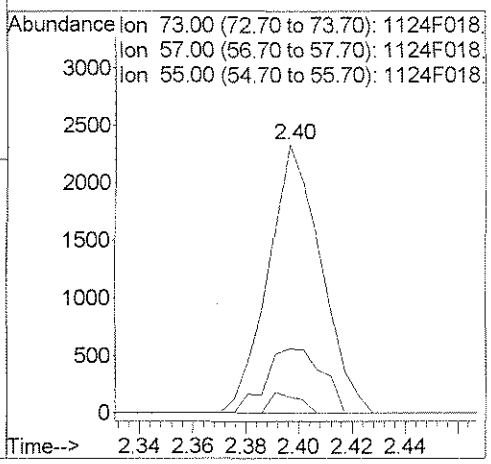




#21
Methyl tert-Butyl Ether
Concen: 1.02 PPB
RT: 2.40 min Scan# 307
Delta R.T. -0.00 min
Lab File: 1124F018.D
Acq: 24 Nov 2010 5:13 pm

Tgt Ion: 73 Resp: 3229

Ion	Ratio	Lower	Upper
73	100		
57	23.9	0.0	51.1
55	6.0	0.0	35.2



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.8	0.53	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.8	0.72	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.0	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**5.3**	J	12	0.50	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.8	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.8	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.8	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.8	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.8	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.8	0.30	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.8	0.22	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.8	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.8	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0009
Lab Code: K1012914-009

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	83-128	11/24/10	Acceptable
Toluene-d8	115	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	98	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File: J:\MS24\DATA\112410\1124F019.D
Lab ID: K1012914-009
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 17:35
Date Quantitated: 11/26/2010 08:35
Batch ID: KWG1012930
Analysis Method: 8260B
ListJoinID: LJ121138

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	K1012914
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981956	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:	Volatile Organic Compounds	**Report List ID:**	LJ12118
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Report List**	

Data File:	J:\MS24\DATA\112410\1124F019.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 17:35	**Quant Date:**	11/26/2010 08:35	**Vial:**	11
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-009			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	244834	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	91074	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	75015	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	60551	55.17	110	83-128	OK
1	Toluene-d8	5.31	0.00	0.00	98	220185	57.33	115	90-125	OK
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	68543	48.83	98	77-124	OK

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Chloromethane				50	0		0.53	U	
1	Vinyl Chloride				62	0		0.36	U	
1	Bromomethane				96	0		0.72	U	
1	Chloroethane				64	0		0.36	U	
1	Acrolein				56	0		3.0	U	
1	1,1-Dichloroethene				96	0		0.27	U	
1	Methylene Chloride	2.27		0.00	84	5810	4.57	5.3	J	
1	Acrylonitrile				53	0		1.4	U	
1	trans-1,2-Dichloroethene				96	0		0.41	U	
1	1,1-Dichloroethane				63	0		0.24	U	
1	Chloroform				83	0		0.26	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.41	U	
1	Carbon Tetrachloride				117	0		0.42	U	
1	Benzene				78	0		0.26	U	
1	1,2-Dichloroethane (EDC)				62	0d		0.18	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F019.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 17:35	**Quant Date:**	11/26/2010 08:35	**Vial:**	11
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-009			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Trichloroethene (TCE)				95	0		0.32	U	
1	1,2-Dichloropropane				63	0		0.26	U	
1	Bromodichloromethane				83	0		0.18	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.56	U	
1	cis-1,3-Dichloropropene				75	0		0.26	U	
1	Toluene				92	0		0.21	U	
2	trans-1,3-Dichloropropene				75	0		0.40	U	
2	1,1,2-Trichloroethane				83	0		0.27	U	
2	Tetrachloroethene (PCE)				164	0		0.30	U	
2	Dibromochloromethane				129	0		0.22	U	
2	Chlorobenzene				112	0		0.29	U	
2	Ethylbenzene				106	0		0.26	U	
2	Bromoform				173	0		0.35	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.42	U	
3	1,3-Dichlorobenzene				146	0		0.28	U	
3	1,4-Dichlorobenzene				146	0		0.29	U	
3	1,2-Dichlorobenzene				146	0		0.26	U	
3	1,2,4-Trichlorobenzene				180	0		0.27	U	

Prep Amount:	5.09 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	85.4 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

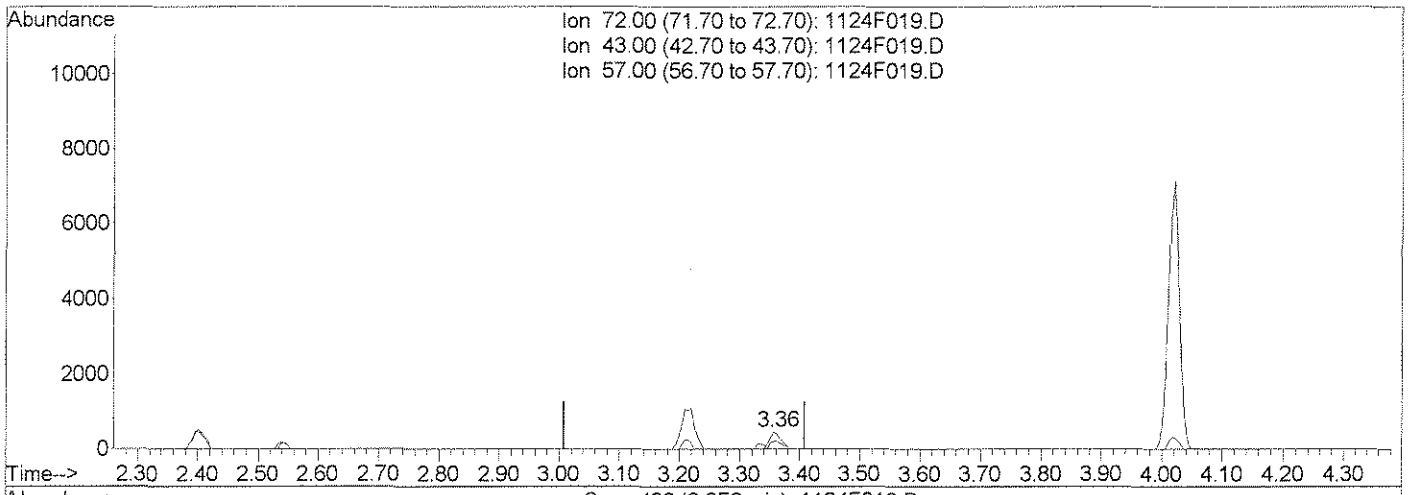
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

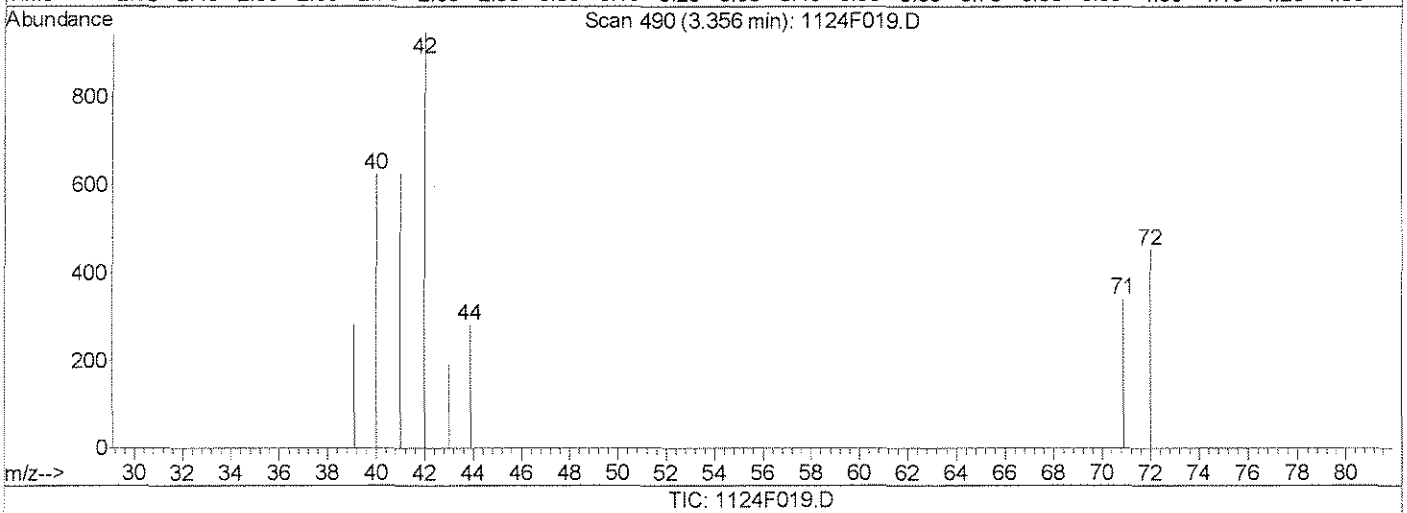
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F019.D
Acq On : 24 Nov 2010 5:35 pm
Sample : K1012914-009
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:35 2010

Vial: 11
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Single Level Calibration





TIC: 1124F019.D

(31) 2-Butanone (T)

3.36min 3.66PPB

response 580

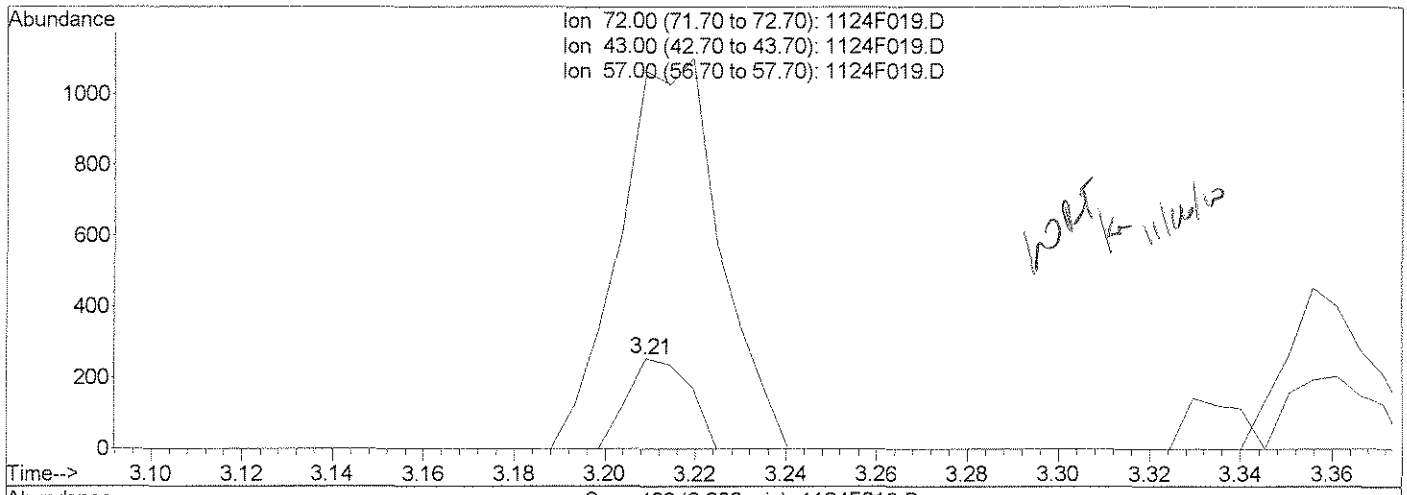
Ion	Exp%	Act%
72.00	100	100
43.00	323.10	43.05#
57.00	31.90	0.00#
0.00	0.00	0.00

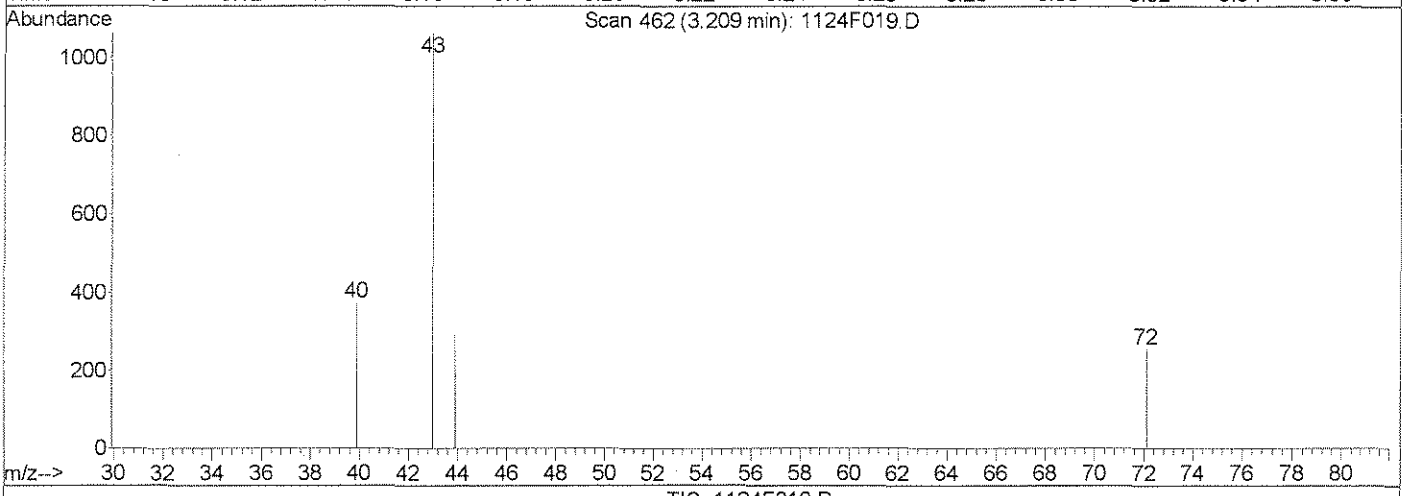
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F019.D
Acq On : 24 Nov 2010 5:35 pm
Sample : K1012914-009
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:35 2010

Vial: 11
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Single Level Calibration





TIC: 1124F019.D

(31) 2-Butanone (T)

3.21min 1.55PPB m

response 245

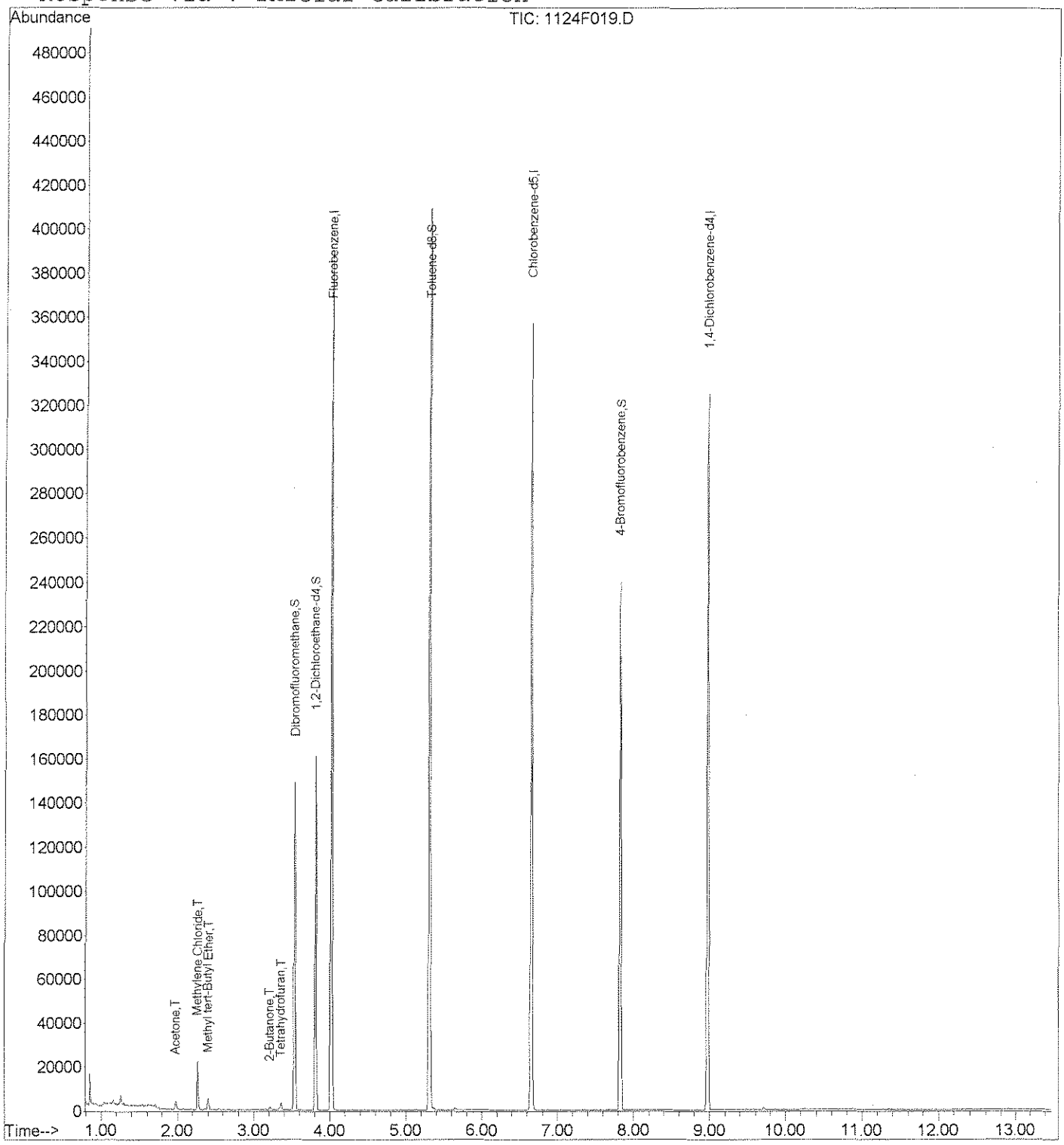
Ion	Exp%	Act%
72.00	100	100
43.00	323.10	419.29#
57.00	31.90	0.00#
0.00	0.00	0.00

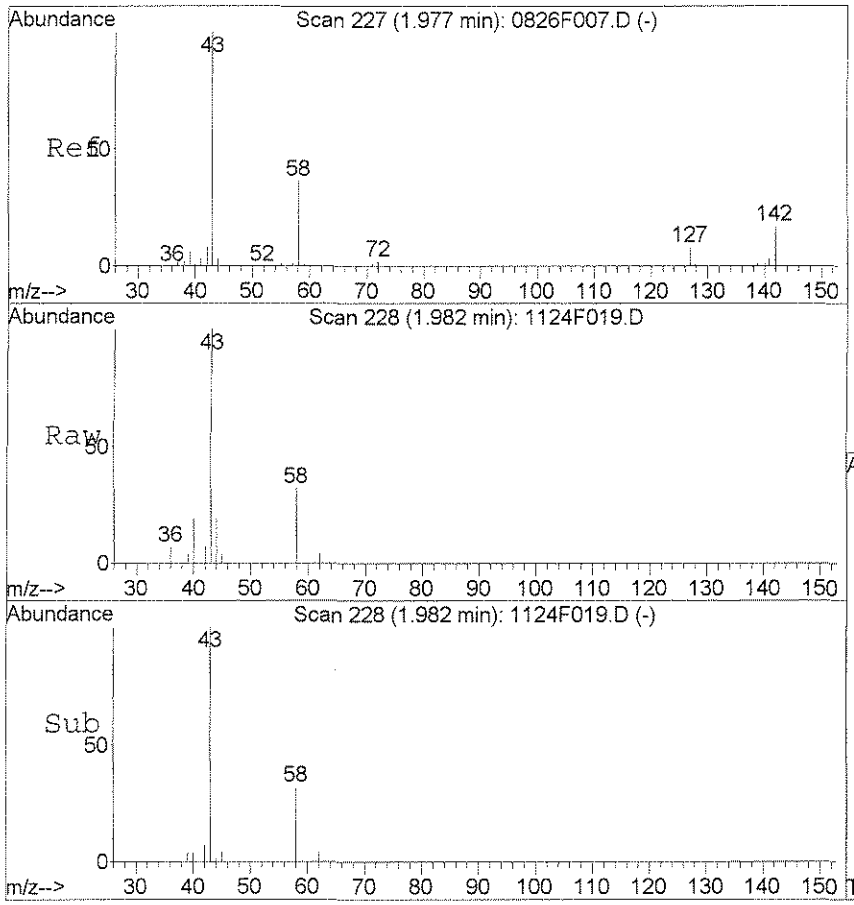
1124F019.D 111510MS24SOIL.M Fri Nov 26 08:35:31 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F019.D Vial: 11
Acq On : 24 Nov 2010 5:35 pm Operator: KR
Sample : K1012914-009 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 26 8:35 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration

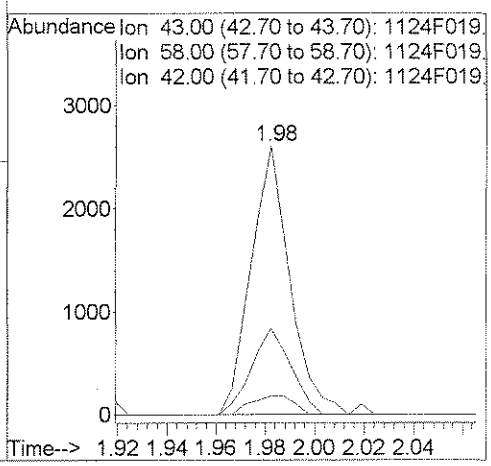


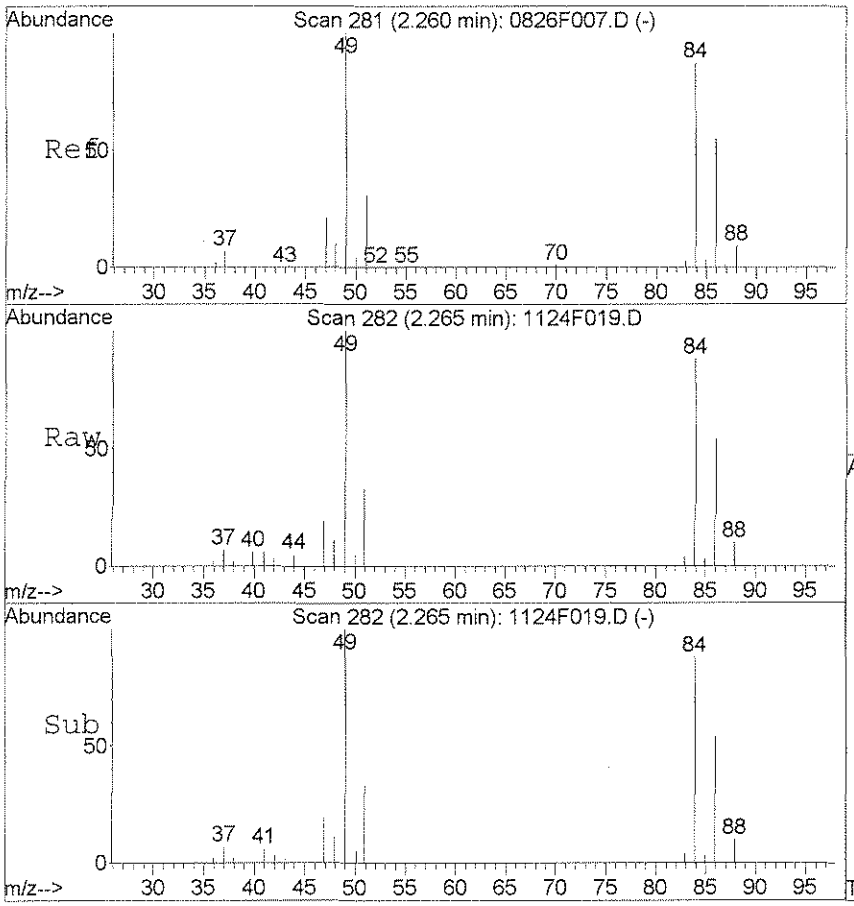


#13
Acetone
Concen: 6.66 PPB
RT: 1.98 min Scan# 228
Delta R.T. 0.01 min
Lab File: 1124F019.D
Acq: 24 Nov 2010 5:35 pm

Tgt Ion: 43 Resp: 2885

Ion	Ratio	Lower	Upper
43	100		
58	32.4	6.0	66.0
42	7.0	0.0	38.1

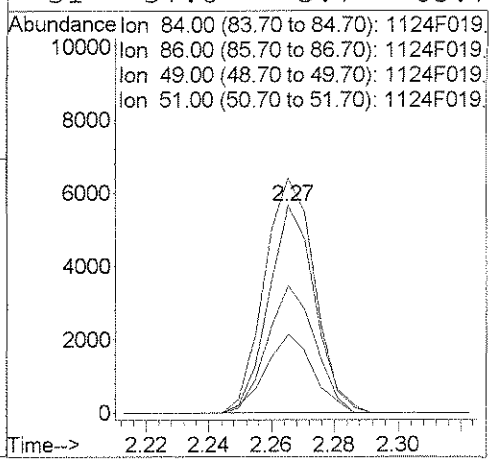


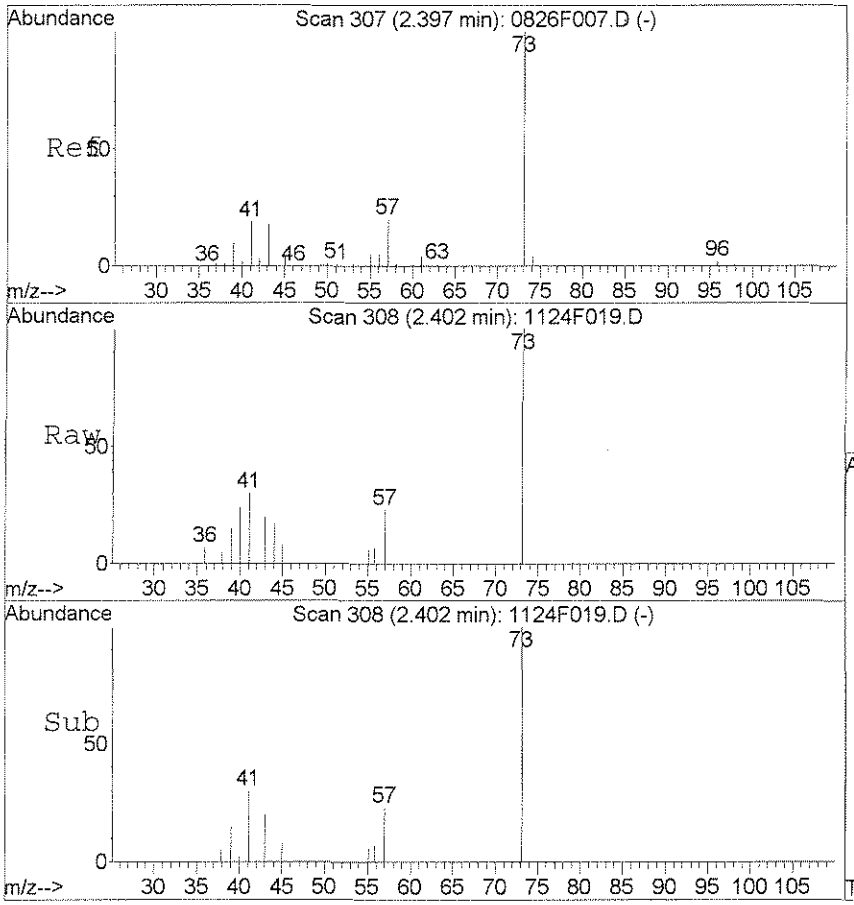


#18
Methylene Chloride
Concen: 4.57 PPB
RT: 2.27 min Scan# 282
Delta R.T. 0.01 min
Lab File: 1124F019.D
Acq: 24 Nov 2010 5:35 pm

Tgt Ion: 84 Resp: 5810

Ion	Ratio	Lower	Upper
84	100		
86	61.3	32.8	92.8
49	113.3	84.9	144.9
51	37.8	5.7	65.7

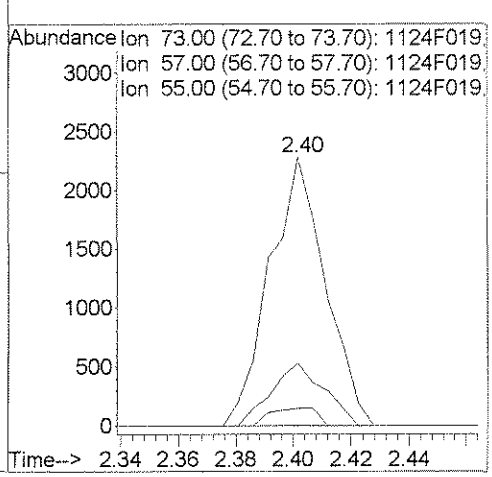


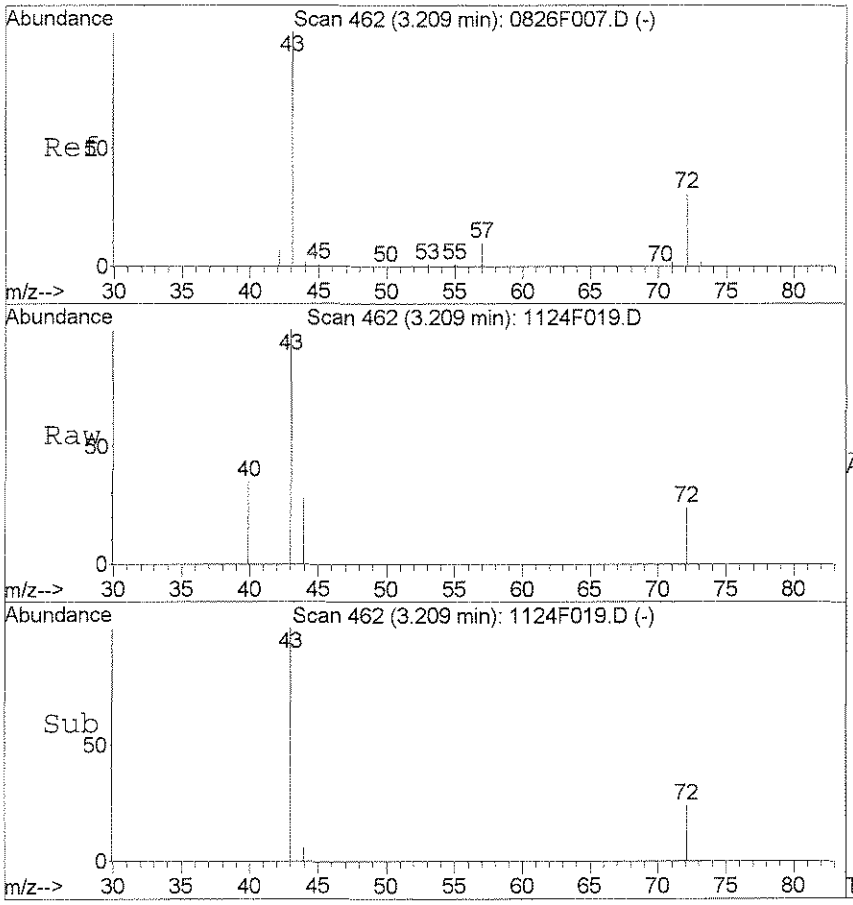


#21
Methyl tert-Butyl Ether
Concen: 0.98 PPB
RT: 2.40 min Scan# 308
Delta R.T. 0.01 min
Lab File: 1124F019.D
Acq: 24 Nov 2010 5:35 pm

Tgt Ion: 73 Resp: 3068

Ion	Ratio	Lower	Upper
73	100		
57	23.3	0.0	51.1
55	6.5	0.0	35.2

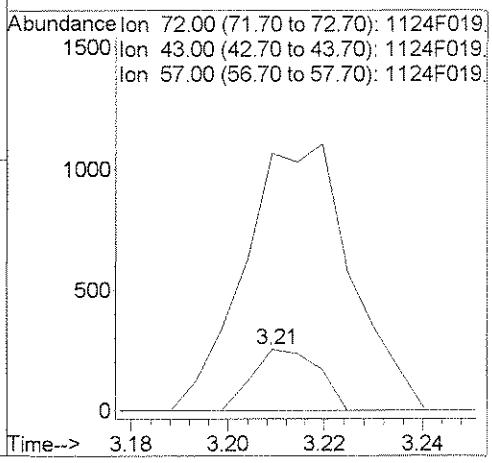


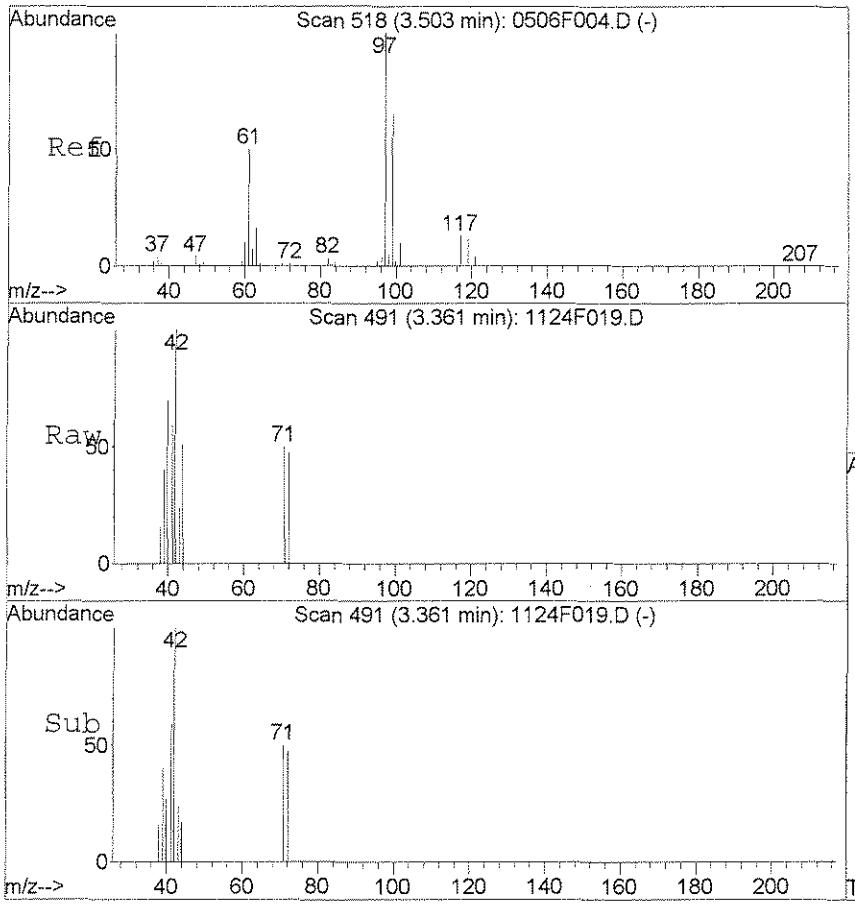


#31
2-Butanone
Concen: 1.55 PPB m
RT: 3.21 min Scan# 462
Delta R.T. 0.00 min
Lab File: 1124F019.D
Acq: 24 Nov 2010 5:35 pm

Tgt Ion: 72 Resp: 245

Ion	Ratio	Lower	Upper
72	100		
43	419.3	293.1	353.1#
57	0.0	1.9	61.9#

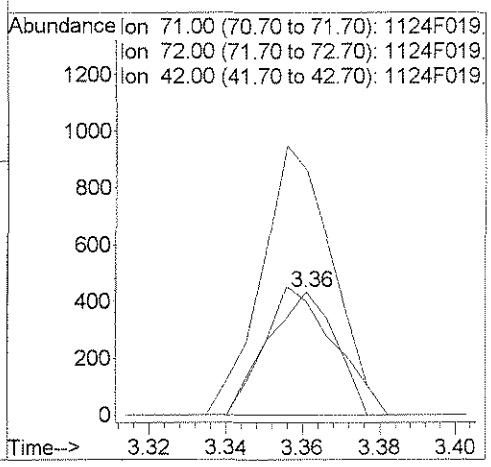




#35
Tetrahydrofuran
Concen: 3.26 PPB
RT: 3.36 min Scan# 491
Delta R.T. 0.01 min
Lab File: 1124F019.D
Acq: 24 Nov 2010 5:35 pm

Tgt Ion: 71 Resp: 530

Ion	Ratio	Lower	Upper
71	100		
72	92.6	80.5	140.5
42	198.4	171.6	231.6



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.5	0.51	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.5	0.34	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.5	0.68	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.5	0.34	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	22	2.9	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.5	0.26	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**5.1**	J	11	0.48	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.5	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.5	0.39	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.5	0.22	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.5	0.39	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.5	0.40	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.5	0.17	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.5	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.5	0.17	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	11	0.53	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.5	0.20	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.5	0.38	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.5	0.26	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.5	0.29	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.5	0.21	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.5	0.28	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.5	0.33	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.5	0.40	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.5	0.27	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.5	0.28	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	22	0.26	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0010
Lab Code: K1012914-010

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	114	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	96	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File: J:\MS24\DATA\112410\1124F020.D
Lab ID: K1012914-010
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 17:56
Date Quantitated: 11/26/2010 08:36
Batch ID: KWG1012930
Analysis Method: 8260B
ListJoinID: LJ121158

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: KR 11/30/10

Secondary Review: 12/9/10

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	K1012914
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981957	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:	Volatile Organic Compounds	**Report List ID:**	LJ12118
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Report List**	

Data File:	J:\MS24\DATA\112410\1124F020.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 17:56	**Quant Date:**	11/26/2010 08:36	**Vial:**	12
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-010			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	255440	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	93903	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	76641	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	63653	55.59	111	83-128	OK
1	Toluene-d8	5.31	0.00	0.00	98	227719	56.83	114	90-125	OK
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	69737	48.18	96	77-124	OK

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Chloromethane				50	0		0.51	U	
1	Vinyl Chloride				62	0		0.34	U	
1	Bromomethane				96	0		0.68	U	
1	Chloroethane				64	0		0.34	U	
1	Acrolein				56	0		2.9	U	
1	1,1-Dichloroethene				96	0		0.26	U	
1	Methylene Chloride	2.27		0.00	84	6121	4.62	5.1	J	
1	Acrylonitrile				53	0		1.4	U	
1	trans-1,2-Dichloroethene				96	0		0.39	U	
1	1,1-Dichloroethane				63	0		0.22	U	
1	Chloroform				83	0		0.25	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.39	U	
1	Carbon Tetrachloride				117	0		0.40	U	
1	Benzene				78	0		0.25	U	
1	1,2-Dichloroethane (EDC)				62	0d		0.17	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F020.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 17:56	**Quant Date:**	11/26/2010 08:36	**Vial:**	12
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-010			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Trichloroethene (TCE)				95	0		0.30	U	
1	1,2-Dichloropropane				63	0		0.25	U	
1	Bromodichloromethane				83	0		0.17	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.53	U	
1	cis-1,3-Dichloropropene				75	0		0.25	U	
1	Toluene				92	0		0.20	U	
2	trans-1,3-Dichloropropene				75	0		0.38	U	
2	1,1,2-Trichloroethane				83	0		0.26	U	
2	Tetrachloroethene (PCE)				164	0		0.29	U	
2	Dibromochloromethane				129	0		0.21	U	
2	Chlorobenzene				112	0		0.28	U	
2	Ethylbenzene				106	0		0.25	U	
2	Bromoform				173	0		0.33	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.40	U	
3	1,3-Dichlorobenzene				146	0		0.27	U	
3	1,4-Dichlorobenzene				146	0		0.28	U	
3	1,2-Dichlorobenzene				146	0		0.25	U	
3	1,2,4-Trichlorobenzene				180	0		0.26	U	

Prep Amount:	5.14 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	88.7 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

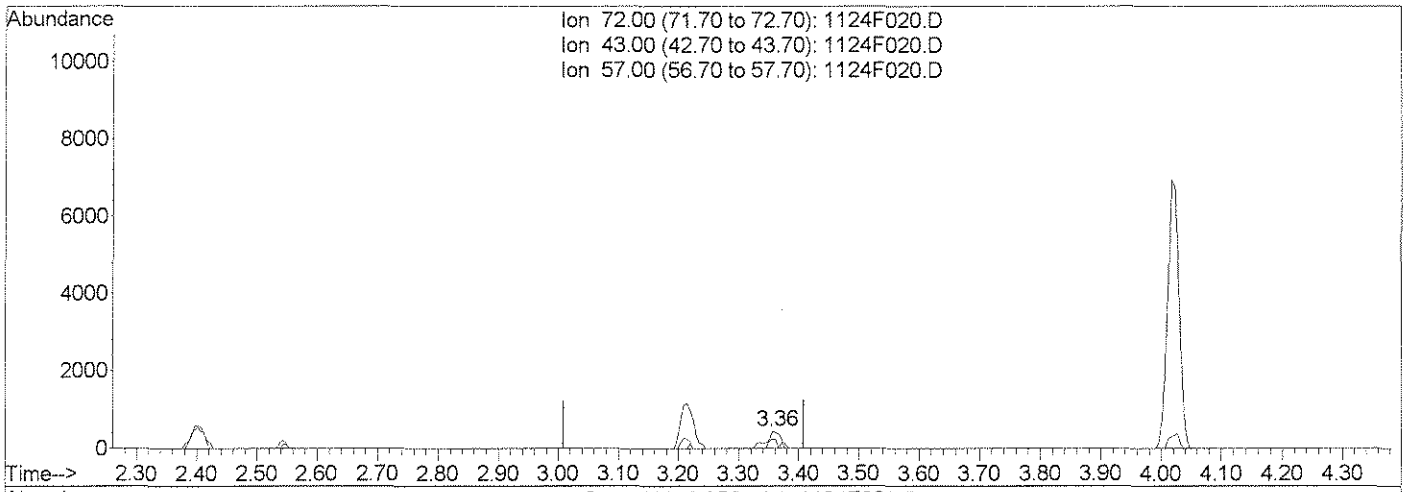
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

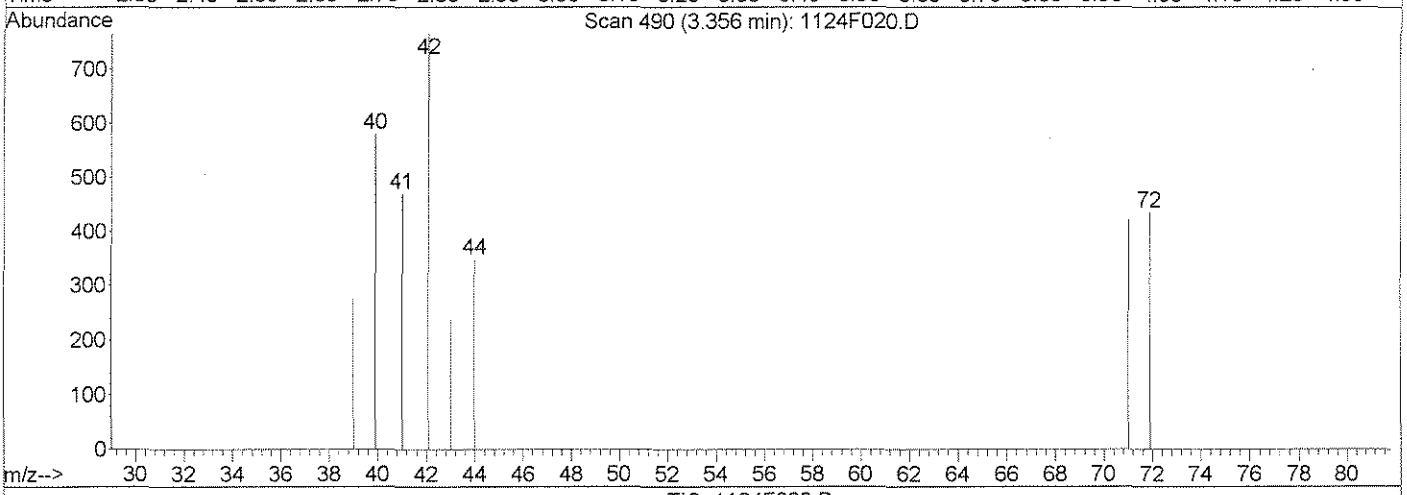
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F020.D Vial: 12
Acq On : 24 Nov 2010 5:56 pm Operator: KR
Sample : K1012914-010 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 26 8:36 2010 Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Single Level Calibration





TIC: 1124F020.D

(31) 2-Butanone (T)

3.36min 3.29PPB

response 544

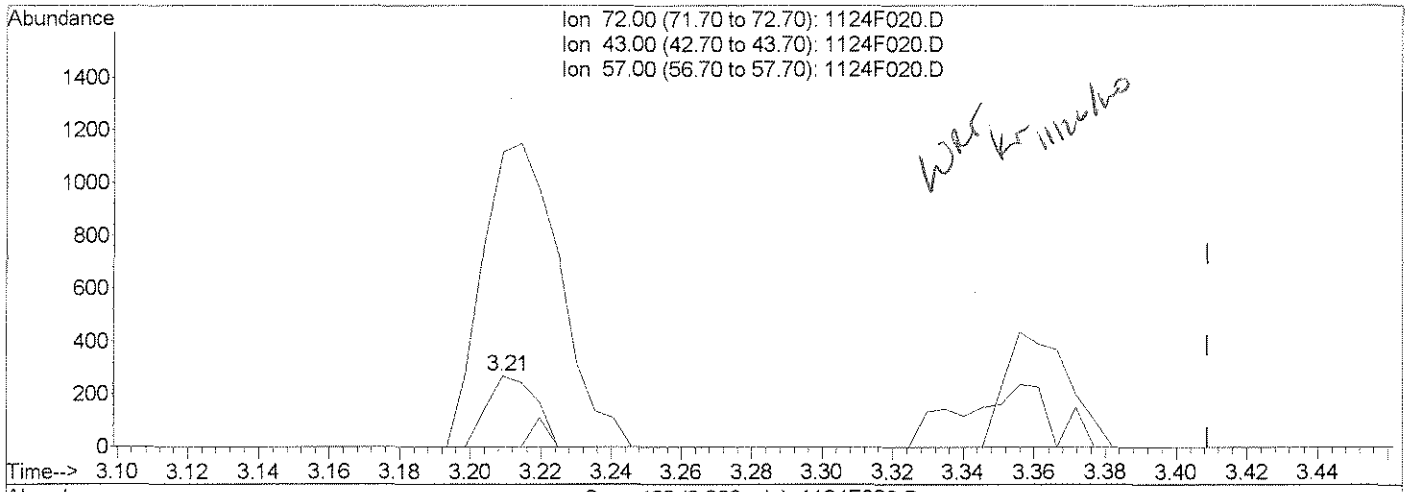
Ion	Exp%	Act%
72.00	100	100
43.00	323.10	54.46#
57.00	31.90	0.00#
0.00	0.00	0.00

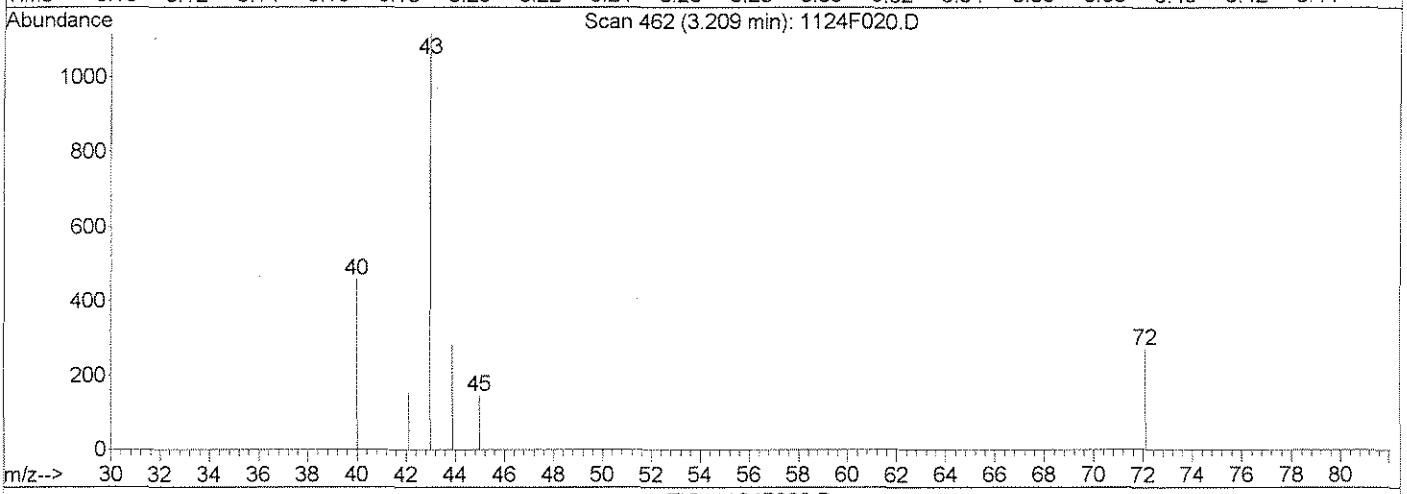
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F020.D
Acq On : 24 Nov 2010 5:56 pm
Sample : K1012914-010
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:36 2010

Vial: 12
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Single Level Calibration





TIC: 1124F020.D

(31) 2-Butanone (T)

3.21min 1.57PPB m

response 260

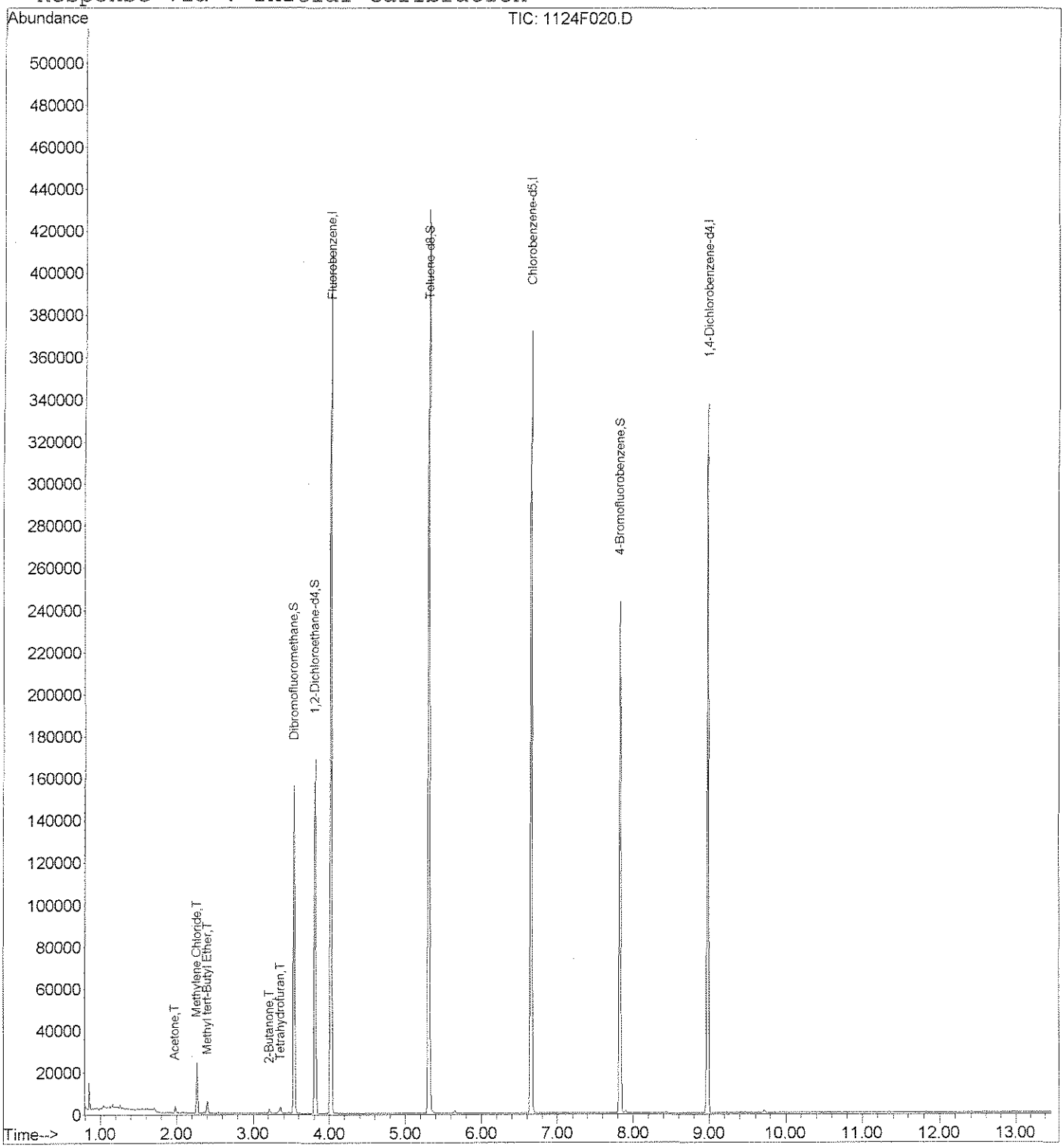
Ion	Exp%	Act%
72.00	100	100
43.00	323.10	415.24#
57.00	31.90	0.00#
0.00	0.00	0.00

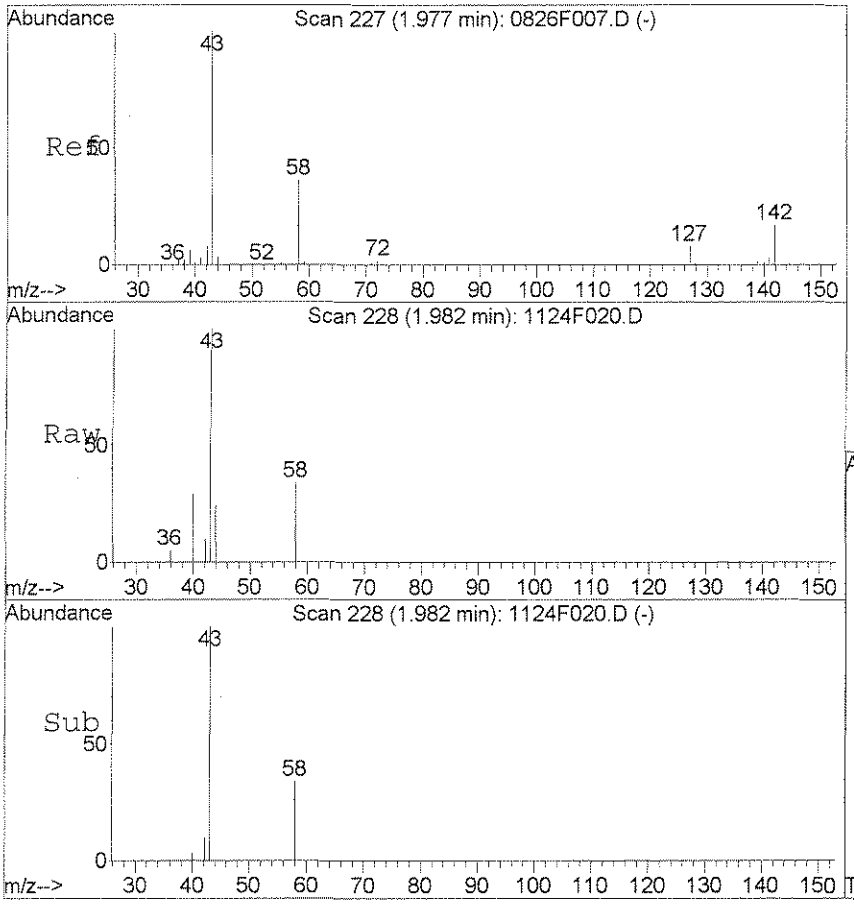
1124F020.D 111510MS24SOIL.M Fri Nov 26 08:36:35 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F020.D Vial: 12
Acq On : 24 Nov 2010 5:56 pm Operator: KR
Sample : K1012914-010 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 26 8:36 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration

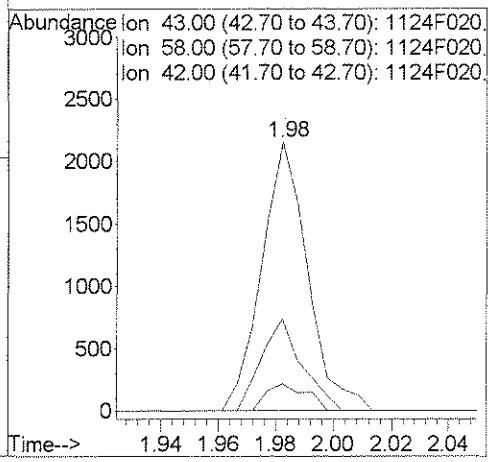


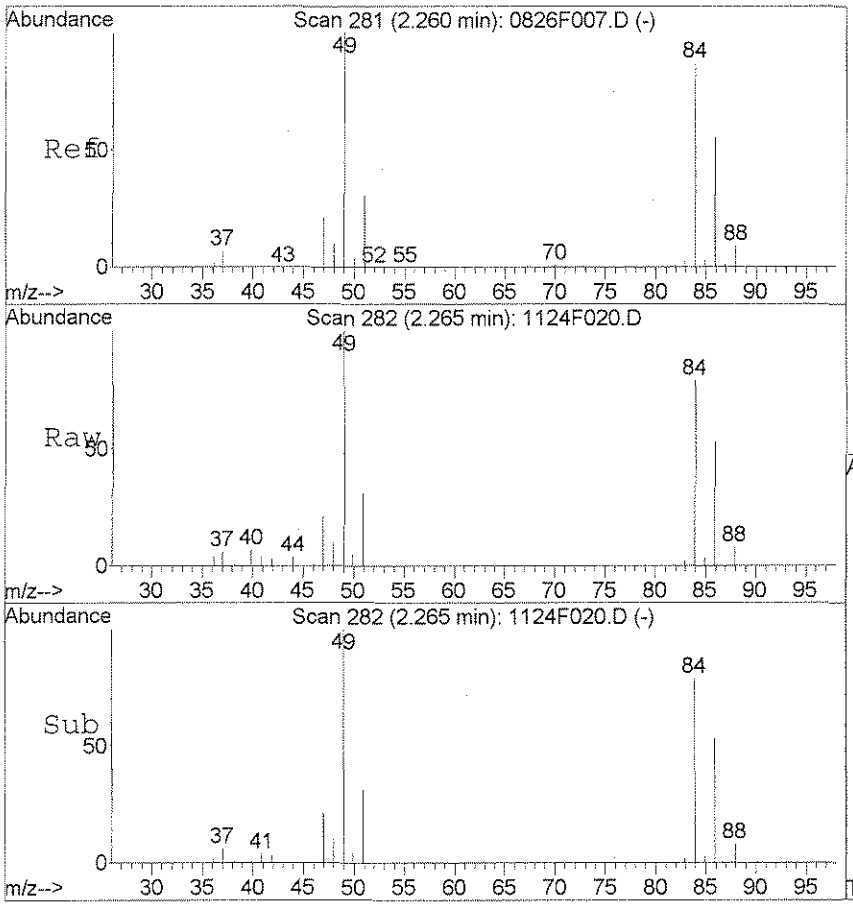


#13
Acetone
Concen: 5.33 PPB
RT: 1.98 min Scan# 228
Delta R.T. 0.01 min
Lab File: 1124F020.D
Acq: 24 Nov 2010 5:56 pm

Tgt Ion: 43 Resp: 2409

Ion	Ratio	Lower	Upper
43	100		
58	34.2	6.0	66.0
42	10.0	0.0	38.1

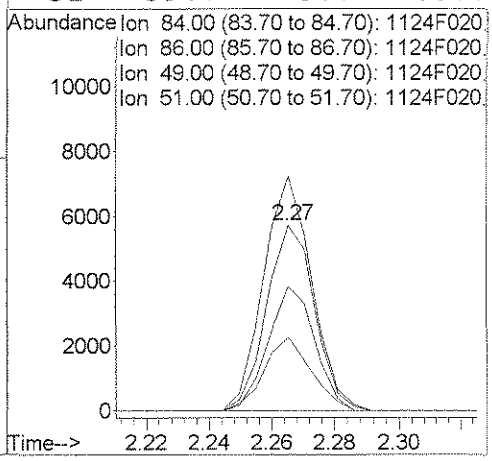


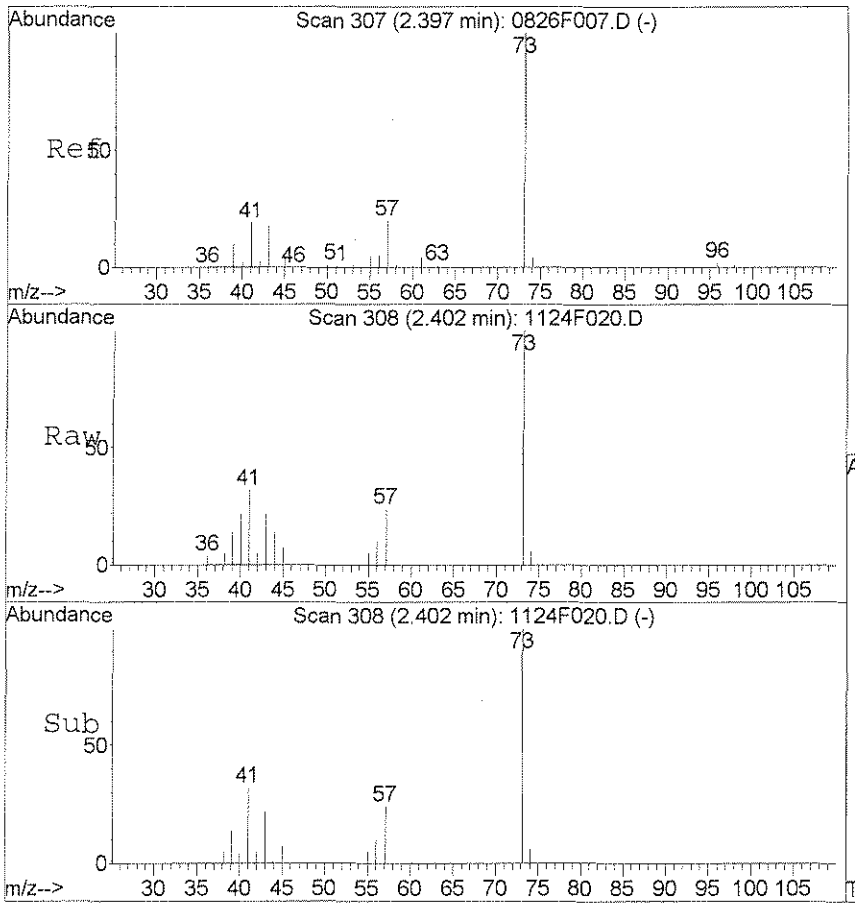


#18
Methylene Chloride
Concen: 4.62 PPB
RT: 2.27 min Scan# 282
Delta R.T. 0.01 min
Lab File: 1124F020.D
Acq: 24 Nov 2010 5:56 pm

Tgt Ion: 84 Resp: 6121

Ion	Ratio	Lower	Upper
84	100		
86	67.1	32.8	92.8
49	126.5	84.9	144.9
51	39.7	5.7	65.7

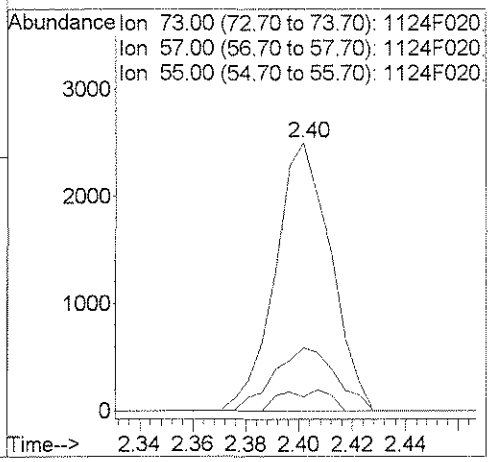


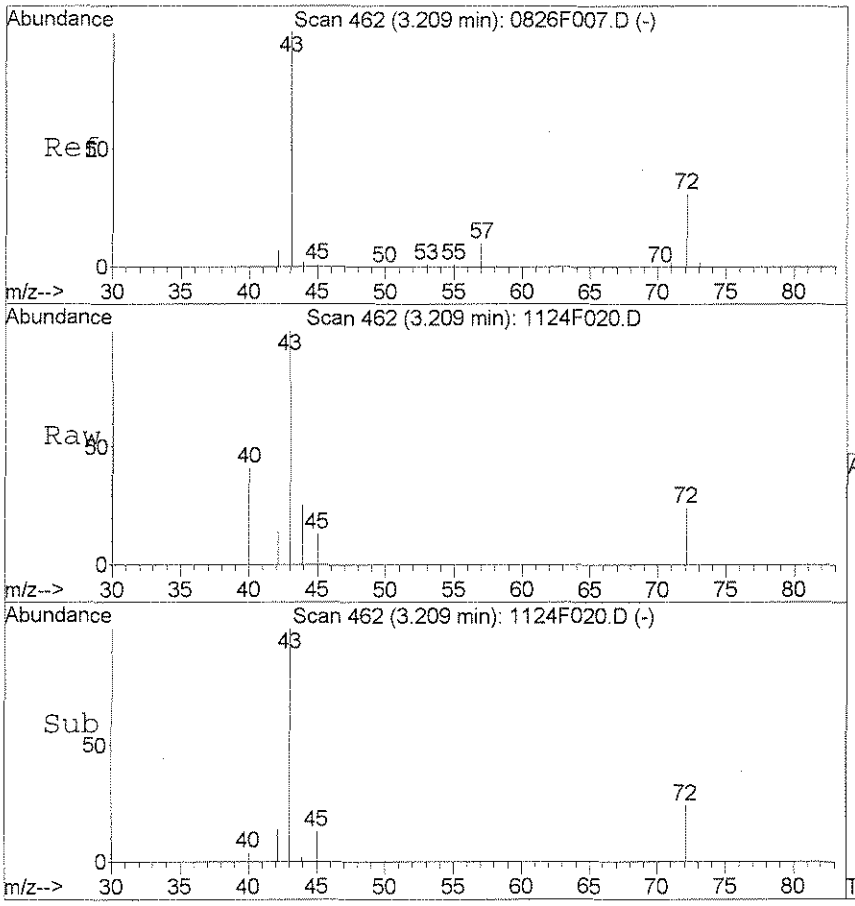


#21
Methyl tert-Butyl Ether
Concen: 1.11 PPB
RT: 2.40 min Scan# 308
Delta R.T. 0.01 min
Lab File: 1124F020.D
Acq: 24 Nov 2010 5:56 pm

Tgt Ion: 73 Resp: 3633

Ion	Ratio	Lower	Upper
73	100		
57	23.5	0.0	51.1
55	5.3	0.0	35.2

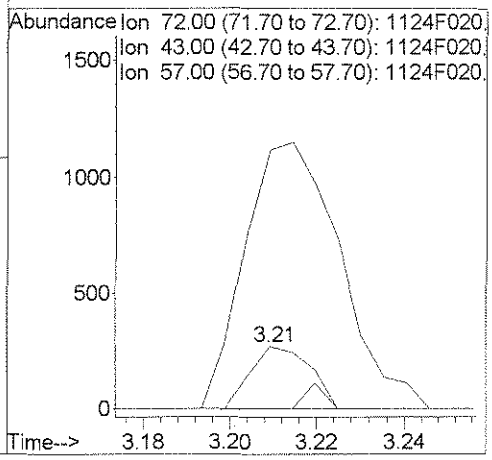


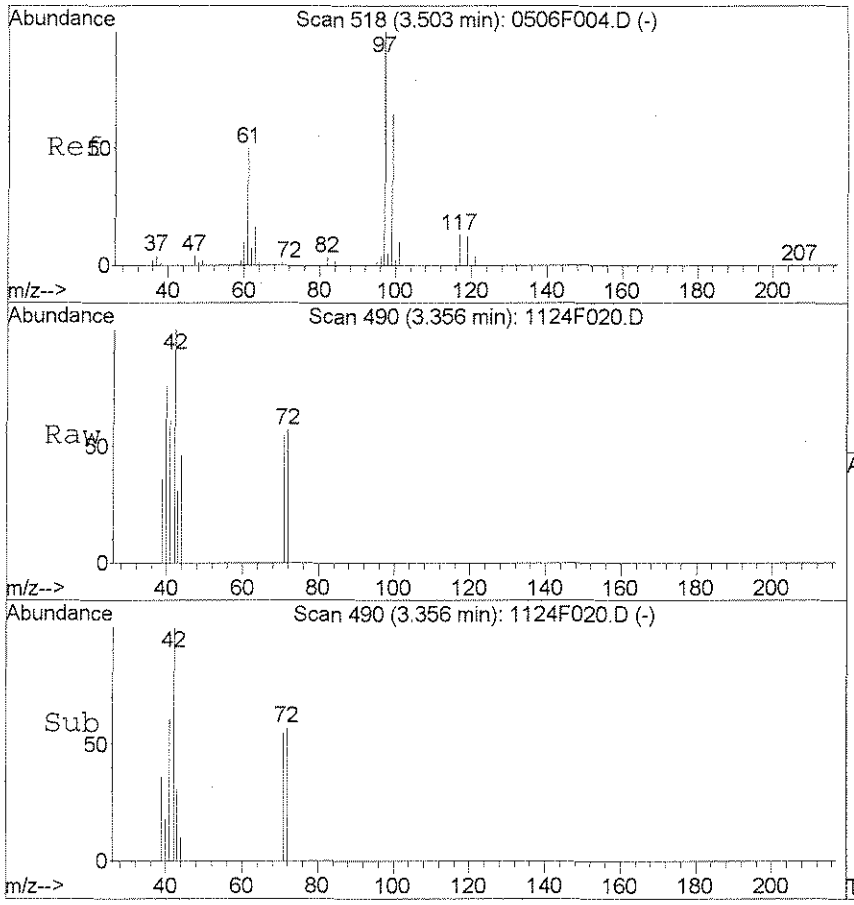


#31
2-Butanone
Concen: 1.57 PPB m
RT: 3.21 min Scan# 462
Delta R.T. 0.00 min
Lab File: 1124F020.D
Acq: 24 Nov 2010 5:56 pm

Tgt Ion: 72 Resp: 260

Ion	Ratio	Lower	Upper
72	100		
43	415.2	293.1	353.1#
57	0.0	1.9	61.9#

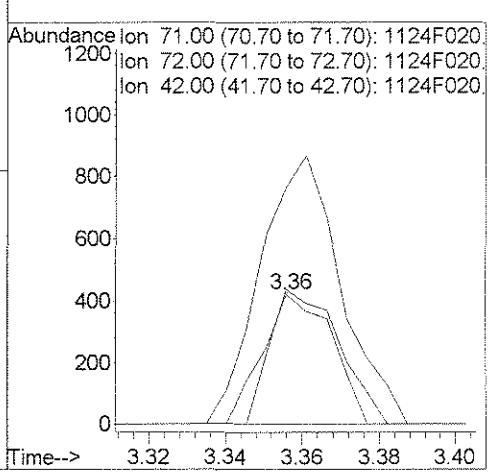




#35
Tetrahydrofuran
Concen: 3.11 PPB
RT: 3.36 min Scan# 490
Delta R.T. -0.00 min
Lab File: 1124F020.D
Acq: 24 Nov 2010 5:56 pm

Tgt Ion: 71 Resp: 528

Ion	Ratio	Lower	Upper
71	100		
72	103.6	80.5	140.5
42	181.5	171.6	231.6



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0017
Lab Code: K1012914-016

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 5030A
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	6.0	0.55	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	6.0	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	6.0	0.74	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	6.0	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.1	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	6.0	0.28	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	9.7	J	12	0.52	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	6.0	1.5	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	6.0	0.42	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	6.0	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	6.0	0.42	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	6.0	0.43	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	6.0	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	6.0	0.33	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	6.0	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.58	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	6.0	0.22	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	6.0	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	6.0	0.28	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	6.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	6.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	6.0	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	6.0	0.36	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	6.0	0.43	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	6.0	0.29	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	6.0	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.28	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0017
Lab Code: K1012914-016

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	112	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	91	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File: J:\MS24\DATA\112410\1124F021.D
Lab ID: K1012914-016
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 18:17
Date Quantitated: 11/26/2010 08:38
Batch ID: KWG1012930
Analysis Method: 8260B
ListJoinID: LJ12116

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: Ka 11/26/10

Secondary Review: 11/28/10

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	K1012914
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981958	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:	Volatile Organic Compounds	**Report List ID:**	LJ12118
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Report List**	

Data File:	J:\MS24\DATA\112410\1124F021.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 18:17	**Quant Date:**	11/26/2010 08:38	**Vial:**	13
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-016			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	249038	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	87938	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	62222	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	61759	55.32	111	83-128 OK	
1	Toluene-d8	5.31	0.00	0.00	98	218493	55.93	112	90-125 OK	
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	61410	45.31	91	77-124 OK	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Chloromethane				50	0		0.55	U	
1	Vinyl Chloride				62	0		0.37	U	
1	Bromomethane				96	0		0.74	U	
1	Chloroethane				64	0		0.37	U	
1	Acrolein				56	0		3.1	U	
1	1,1-Dichloroethene				96	0		0.28	U	
1	Methylene Chloride	2.26	-0.01	0.00	84	10502	8.13	9.7	J	
1	Acrylonitrile				53	0		1.5	U	
1	trans-1,2-Dichloroethene				96	0		0.42	U	
1	1,1-Dichloroethane				63	0		0.24	U	
1	Chloroform				83	0		0.27	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.42	U	
1	Carbon Tetrachloride				117	0		0.43	U	
1	Benzene				78	0		0.27	U	
1	1,2-Dichloroethane (EDC)				62	0d		0.18	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F021.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 18:17	**Quant Date:**	11/26/2010 08:38	**Vial:**	13
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-016			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Trichloroethene (TCE)				95	0		0.33	U	
1	1,2-Dichloropropane				63	0		0.27	U	
1	Bromodichloromethane				83	0		0.18	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.58	U	
1	cis-1,3-Dichloropropene				75	0		0.27	U	
1	Toluene				92	0		0.22	U	
2	trans-1,3-Dichloropropene				75	0		0.41	U	
2	1,1,2-Trichloroethane				83	0		0.28	U	
2	Tetrachloroethene (PCE)				164	0		0.31	U	
2	Dibromochloromethane				129	0		0.23	U	
2	Chlorobenzene				112	0		0.30	U	
2	Ethylbenzene				106	0		0.27	U	
2	Bromoform				173	0		0.36	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.43	U	
3	1,3-Dichlorobenzene				146	0		0.29	U	
3	1,4-Dichlorobenzene				146	0		0.30	U	
3	1,2-Dichlorobenzene				146	0		0.27	U	
3	1,2,4-Trichlorobenzene				180	0		0.28	U	

Prep Amount:	5.08 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	82.6 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

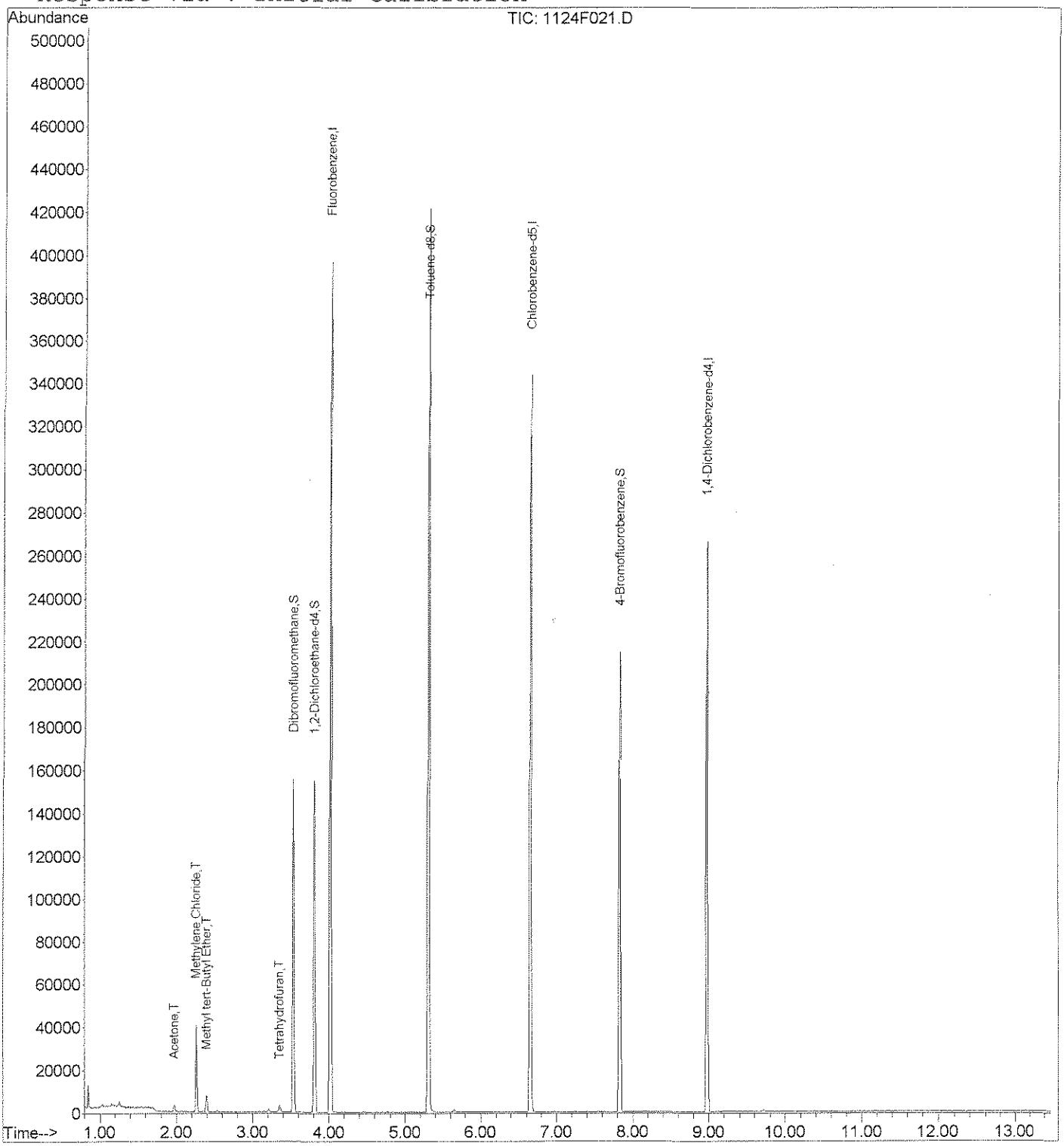
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

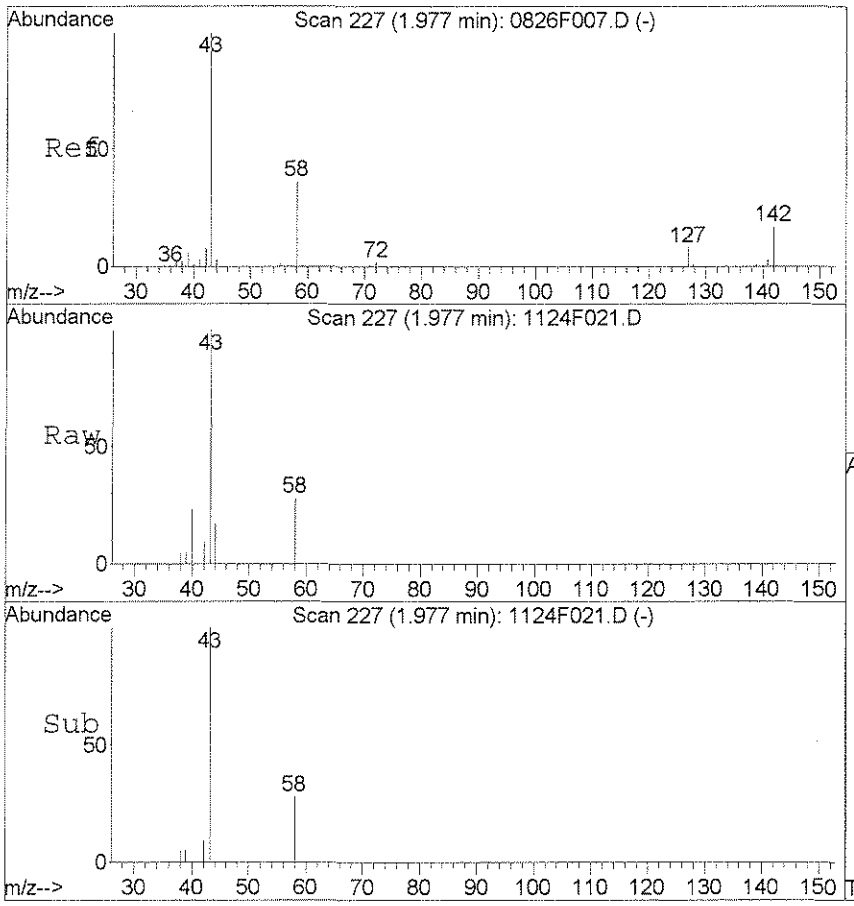
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F021.D Vial: 13
Acq On : 24 Nov 2010 6:17 pm Operator: KR
Sample : K1012914-016 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 26 8:38 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration

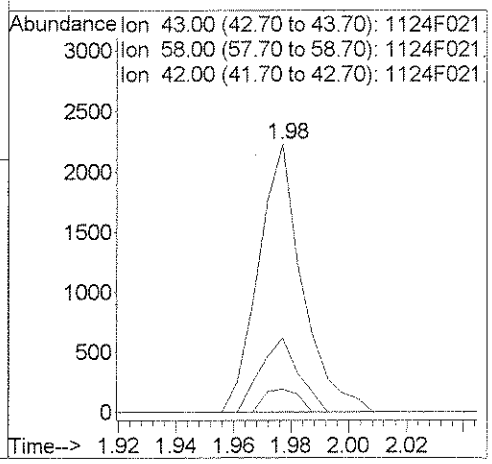


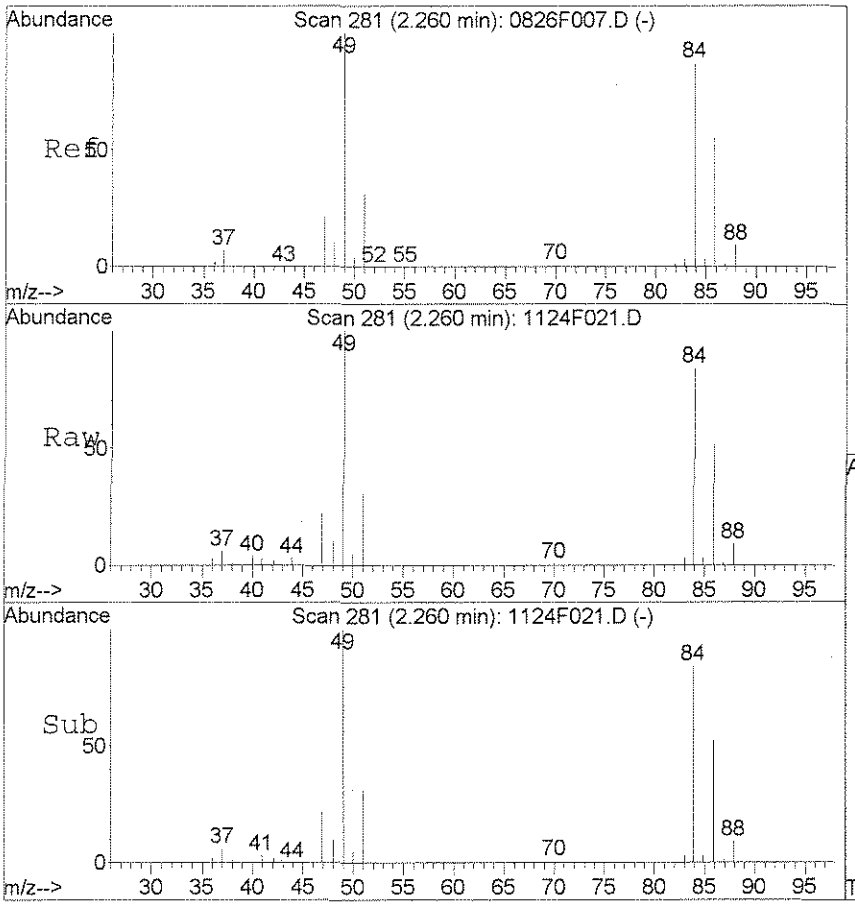


#13
Acetone
Concen: 5.41 PPB
RT: 1.98 min Scan# 227
Delta R.T. -0.00 min
Lab File: 1124F021.D
Acq: 24 Nov 2010 6:17 pm

Tgt Ion: 43 Resp: 2384

Ion	Ratio	Lower	Upper
43	100		
58	27.7	6.0	66.0
42	8.6	0.0	38.1

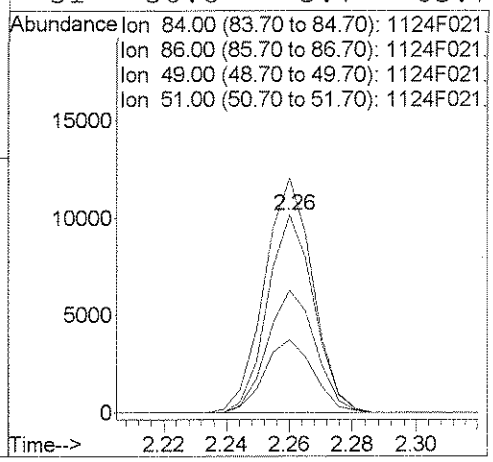


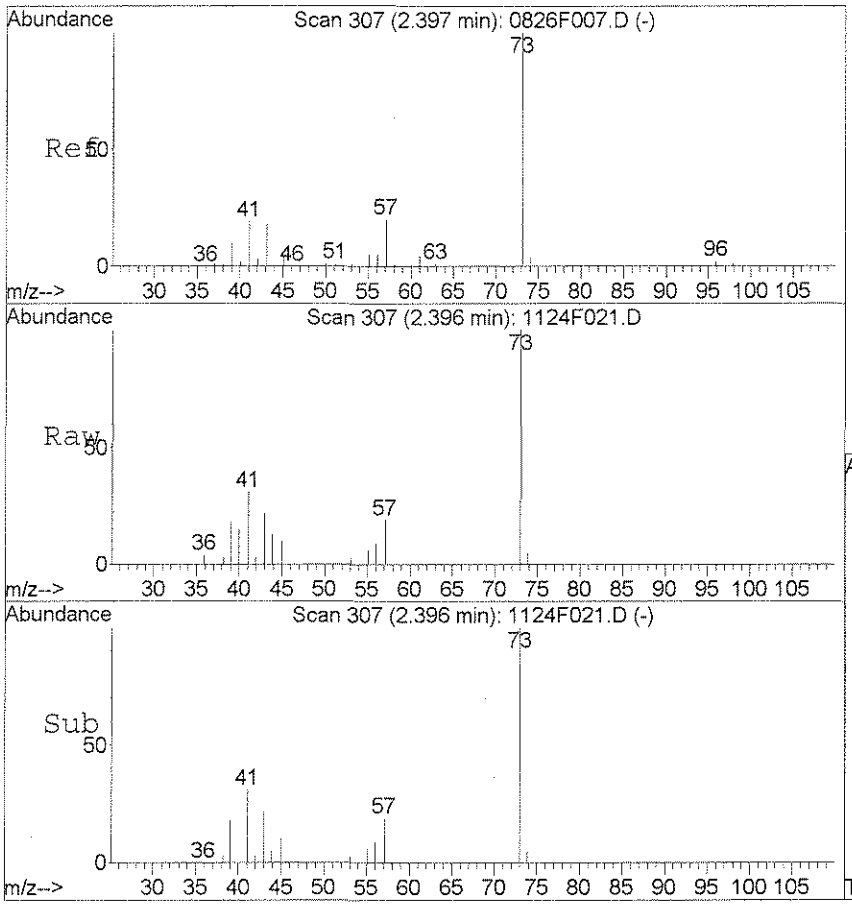


#18
Methylene Chloride
Concen: 8.13 PPB
RT: 2.26 min Scan# 281
Delta R.T. 0.00 min
Lab File: 1124F021.D
Acq: 24 Nov 2010 6:17 pm

Tgt Ion: 84 Resp: 10502

Ion	Ratio	Lower	Upper
84	100		
86	62.0	32.8	92.8
49	118.8	84.9	144.9
51	36.8	5.7	65.7

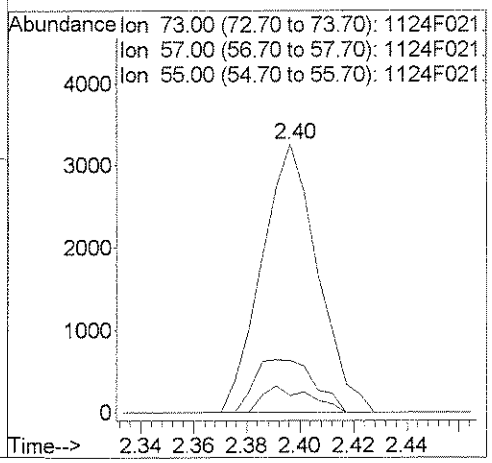


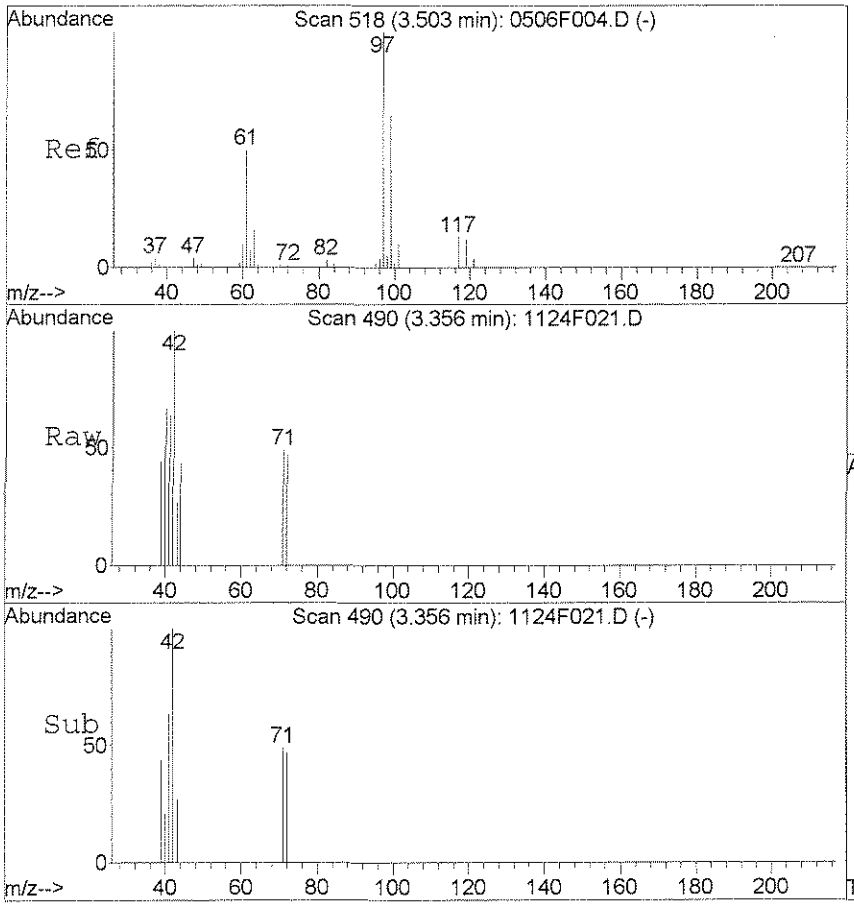


#21
Methyl tert-Butyl Ether
Concen: 1.50 PPB
RT: 2.40 min Scan# 307
Delta R.T. -0.00 min
Lab File: 1124F021.D
Acq: 24 Nov 2010 6:17 pm

Tgt Ion: 73 Resp: 4778

Ion	Ratio	Lower	Upper
73	100		
57	19.3	0.0	51.1
55	6.3	0.0	35.2

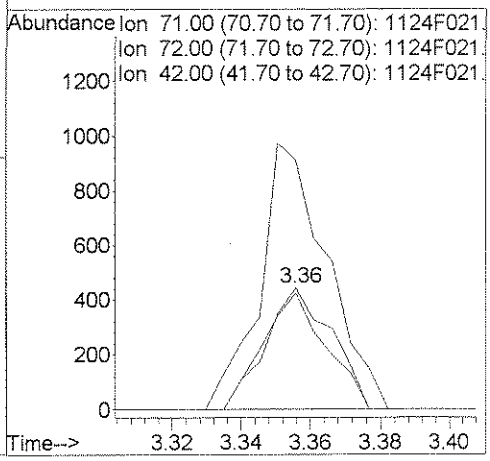




#35
Tetrahydrofuran
Concen: 3.54 PPB
RT: 3.36 min Scan# 490
Delta R.T. -0.00 min
Lab File: 1124F021.D
Acq: 24 Nov 2010 6:17 pm

Tgt Ion: 71 Resp: 585

Ion	Ratio	Lower	Upper
71	100		
72	95.7	80.5	140.5
42	205.2	171.6	231.6



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	6.1	0.56	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	6.1	0.38	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	6.1	0.75	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	6.1	0.38	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	25	3.2	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	6.1	0.28	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**10**	J	13	0.52	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	6.1	1.5	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	6.1	0.43	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	6.1	0.25	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	6.1	0.43	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	6.1	0.44	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	6.1	0.19	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	6.1	0.33	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	6.1	0.19	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	13	0.58	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	6.1	0.22	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	6.1	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	6.1	0.28	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	6.1	0.32	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	6.1	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	6.1	0.31	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	6.1	0.37	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	6.1	0.44	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	6.1	0.29	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	6.1	0.31	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	25	0.28	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0018
Lab Code: K1012914-017

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	112	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	91	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File: J:\MS24\DATA\112410\1124F022.D
Lab ID: K1012914-017
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 18:39
Date Quantitated: 11/26/2010 08:38
Batch ID: KWG1012930
Analysis Method: 8260B
ListJoinID: LJ12113

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/29/10

Secondary Review: 11/29/10

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	K1012914
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981959	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:	Volatile Organic Compounds	**Report List ID:**	LJ12118
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Report List**	

Data File:	J:\MS24\DATA\112410\1124F022.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 18:39	**Quant Date:**	11/26/2010 08:38	**Vial:**	14
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-017			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	250850	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	87482	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	61522	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	62586	55.65	111	83-128	OK
1	Toluene-d8	5.31	0.00	0.00	98	220756	56.10	112	90-125	OK
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	61491	45.60	91	77-124	OK

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Chloromethane				50	0		0.56	U	
1	Vinyl Chloride				62	0		0.38	U	
1	Bromomethane				96	0		0.75	U	
1	Chloroethane				64	0		0.38	U	
1	Acrolein				56	0		3.2	U	
1	1,1-Dichloroethene				96	0		0.28	U	
1	Methylene Chloride	2.27		0.00	84	10816	8.31	10	J	
1	Acrylonitrile				53	0		1.5	U	
1	trans-1,2-Dichloroethene				96	0		0.43	U	
1	1,1-Dichloroethane				63	0		0.25	U	
1	Chloroform				83	0		0.27	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.43	U	
1	Carbon Tetrachloride				117	0		0.44	U	
1	Benzene				78	0		0.27	U	
1	1,2-Dichloroethane (EDC)				62	0d		0.19	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F022.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 18:39	**Quant Date:**	11/26/2010 08:38	**Vial:**	14
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-017			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Trichloroethene (TCE)				95	0		0.33	U	
1	1,2-Dichloropropane				63	0		0.27	U	
1	Bromodichloromethane				83	0		0.19	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.58	U	
1	cis-1,3-Dichloropropene				75	0		0.27	U	
1	Toluene				92	0		0.22	U	
2	trans-1,3-Dichloropropene				75	0		0.41	U	
2	1,1,2-Trichloroethane				83	0		0.28	U	
2	Tetrachloroethene (PCE)				164	0		0.32	U	
2	Dibromochloromethane				129	0		0.23	U	
2	Chlorobenzene				112	0		0.31	U	
2	Ethylbenzene				106	0		0.27	U	
2	Bromoform				173	0		0.37	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.44	U	
3	1,3-Dichlorobenzene				146	0		0.29	U	
3	1,4-Dichlorobenzene				146	0		0.31	U	
3	1,2-Dichlorobenzene				146	0		0.27	U	
3	1,2,4-Trichlorobenzene				180	0		0.28	U	

Prep Amount:	5.07 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	82.0 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

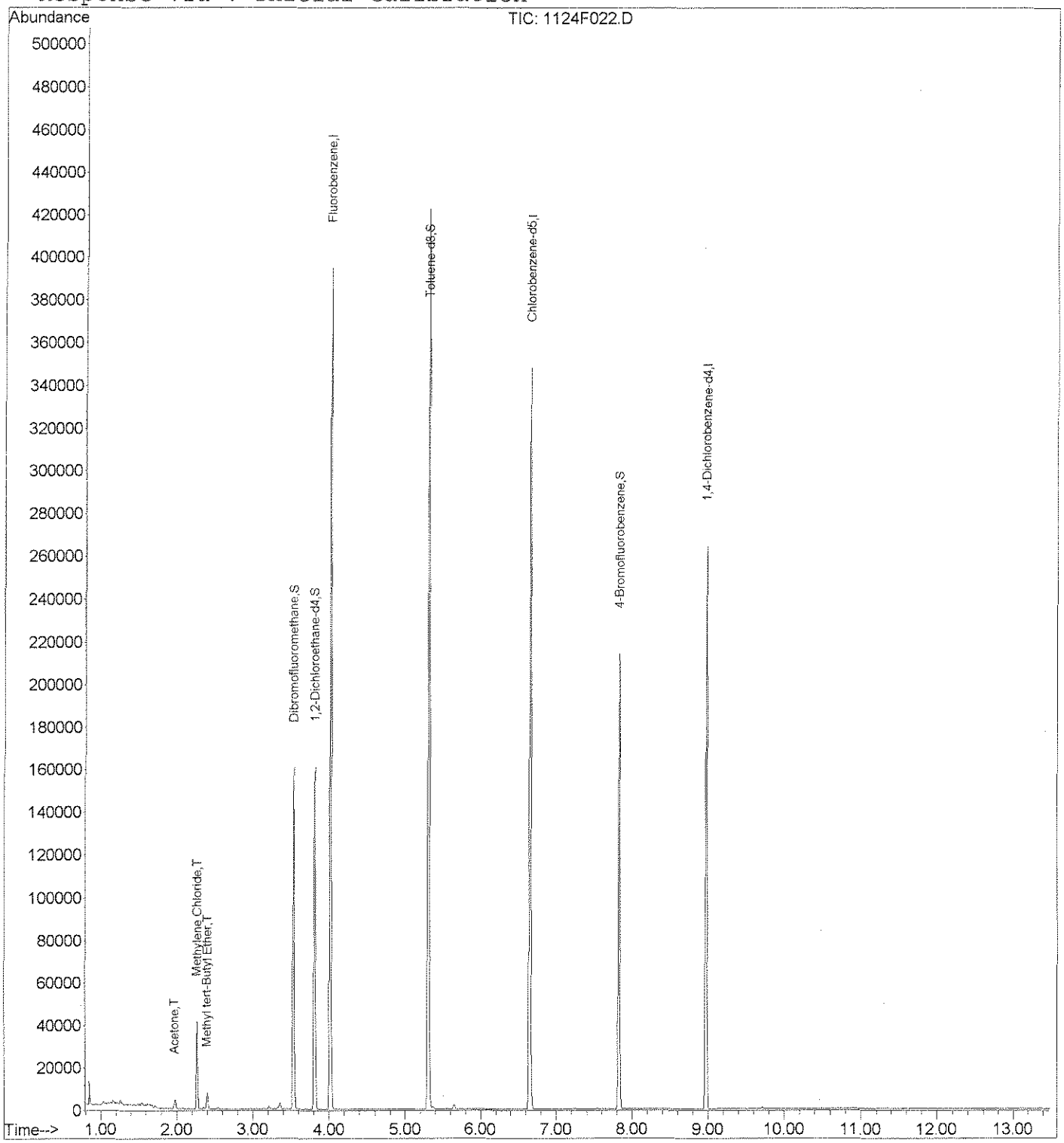
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

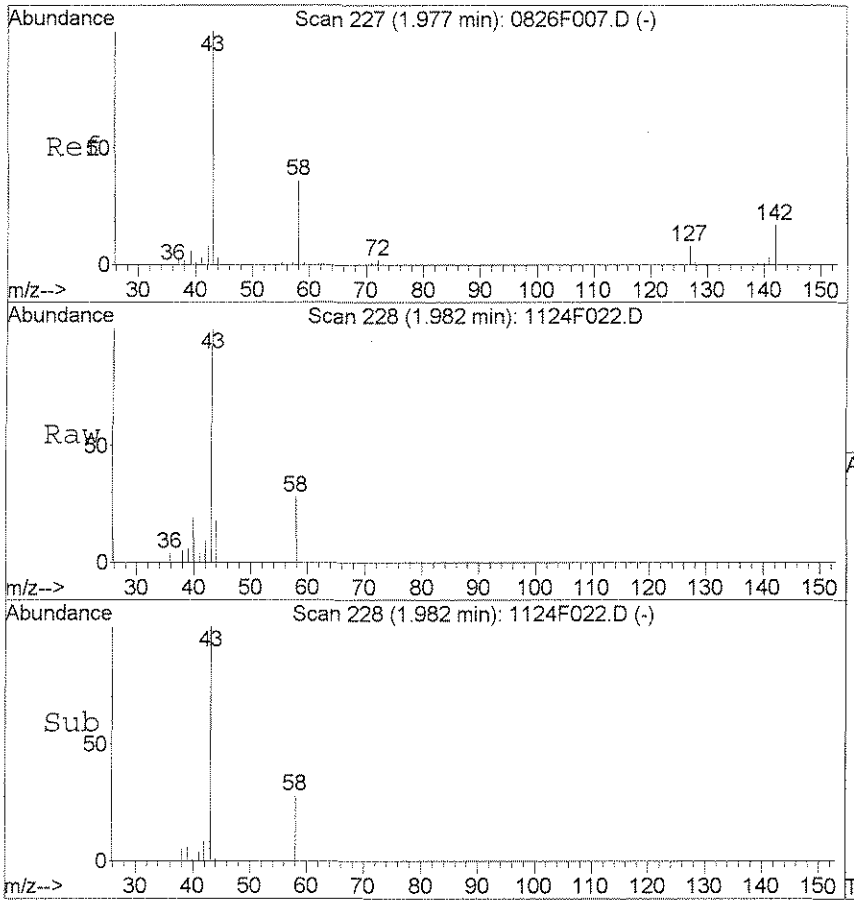
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F022.D Vial: 14
Acq On : 24 Nov 2010 6:39 pm Operator: KR
Sample : K1012914-017 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 26 8:38 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration

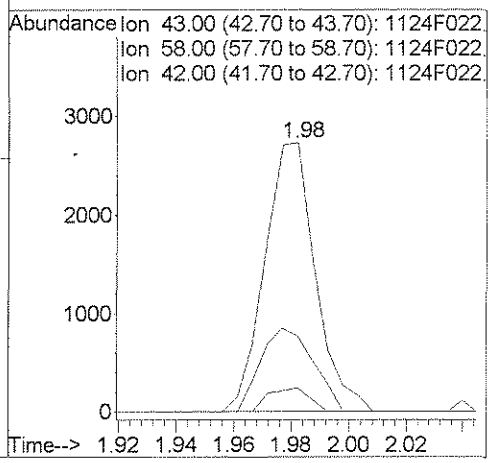


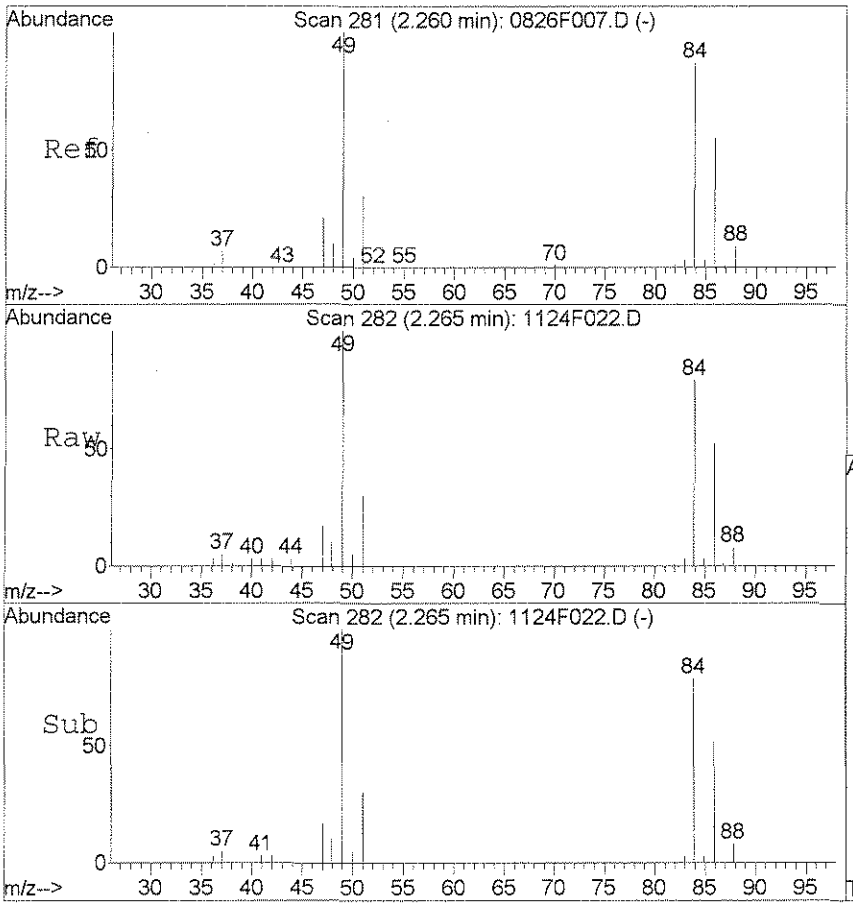


#13
Acetone
Concen: 7.58 PPB
RT: 1.98 min Scan# 228
Delta R.T. 0.01 min
Lab File: 1124F022.D
Acq: 24 Nov 2010 6:39 pm

Tgt Ion: 43 Resp: 3362

Ion	Ratio	Lower	Upper
43	100		
58	28.2	6.0	66.0
42	8.9	0.0	38.1

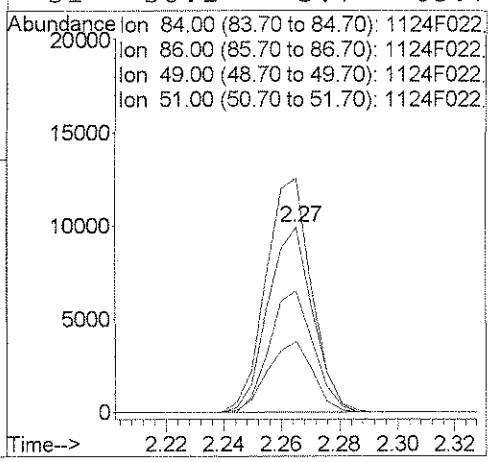


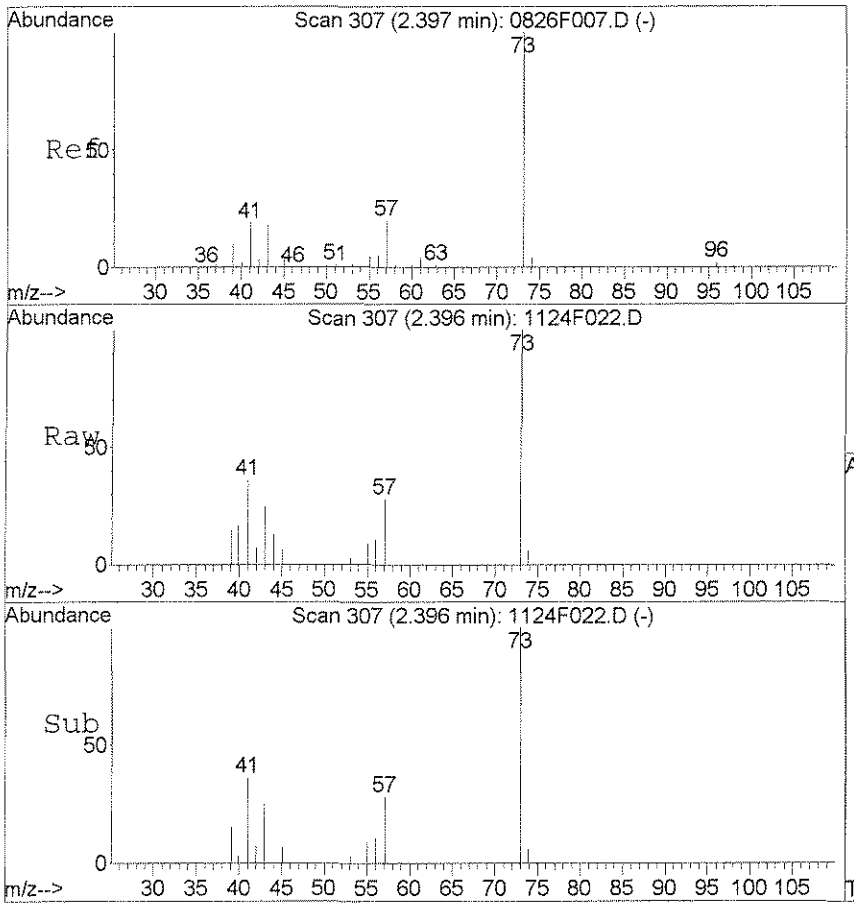


#18
Methylene Chloride
Concen: 8.31 PPB
RT: 2.27 min Scan# 282
Delta R.T. 0.01 min
Lab File: 1124F022.D
Acq: 24 Nov 2010 6:39 pm

Tgt Ion: 84 Resp: 10816

Ion	Ratio	Lower	Upper
84	100		
86	65.5	32.8	92.8
49	126.5	84.9	144.9
51	38.1	5.7	65.7

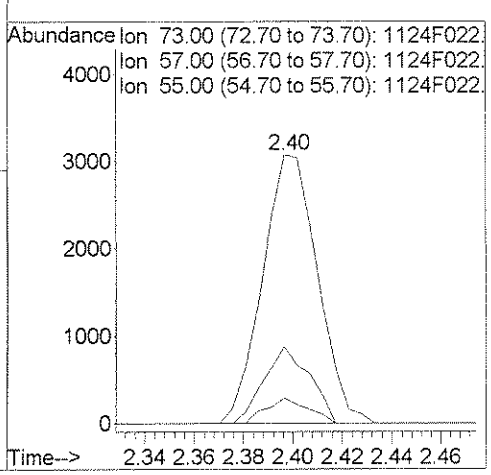




#21
Methyl tert-Butyl Ether
Concen: 1.49 PPB
RT: 2.40 min Scan# 307
Delta R.T. -0.00 min
Lab File: 1124F022.D
Acq: 24 Nov 2010 6:39 pm

Tgt Ion: 73 Resp: 4768

Ion	Ratio	Lower	Upper
73	100		
57	28.5	0.0	51.1
55	9.4	0.0	35.2



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0019	**Units:**	ug/Kg
Lab Code:	K1012914-018	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.8	0.54	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.8	0.72	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.0	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**8.1**	J	12	0.50	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.8	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.8	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.8	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.8	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.8	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.8	0.30	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.8	0.22	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.8	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.8	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0019
Lab Code: K1012914-018

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	83-128	11/24/10	Acceptable
Toluene-d8	113	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	94	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File: J:\MS24\DATA\112410\1124F023.D
Lab ID: K1012914-018
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 19:00
Date Quantitated: 11/26/2010 08:39
Batch ID: KWG1012930
Analysis Method: 8260B
ListJoinID: LJ12113

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	K1012914
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981960	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:	Volatile Organic Compounds	**Report List ID:**	LJ12118
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Report List**	

Data File:	J:\MS24\DATA\112410\1124F023.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 19:00	**Quant Date:**	11/26/2010 08:39	**Vial:**	15
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-018			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	245587	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	88377	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	68491	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	61696	56.04	112	83-128 OK	
1	Toluene-d8	5.31	0.00	0.00	98	217577	56.48	113	90-125 OK	
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	64271	47.18	94	77-124 OK	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Chloromethane				50	0		0.54	U	
1	Vinyl Chloride				62	0		0.36	U	
1	Bromomethane				96	0		0.72	U	
1	Chloroethane				64	0		0.36	U	
1	Acrolein				56	0		3.0	U	
1	1,1-Dichloroethene				96	0		0.27	U	
1	Methylene Chloride	2.27		0.00	84	8947	7.02	8.1	J	
1	Acrylonitrile				53	0		1.4	U	
1	trans-1,2-Dichloroethene				96	0		0.41	U	
1	1,1-Dichloroethane				63	0		0.24	U	
1	Chloroform				83	0		0.26	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.41	U	
1	Carbon Tetrachloride				117	0		0.42	U	
1	Benzene				78	0		0.26	U	
1	1,2-Dichloroethane (EDC)				62	0d		0.18	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F023.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 19:00	**Quant Date:**	11/26/2010 08:39	**Vial:**	15
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-018			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Trichloroethene (TCE)				95	0		0.32	U	
1	1,2-Dichloropropane				63	0		0.26	U	
1	Bromodichloromethane				83	0		0.18	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.56	U	
1	cis-1,3-Dichloropropene				75	0		0.26	U	
1	Toluene				92	0		0.21	U	
2	trans-1,3-Dichloropropene				75	0		0.40	U	
2	1,1,2-Trichloroethane				83	0		0.27	U	
2	Tetrachloroethene (PCE)				164	0		0.30	U	
2	Dibromochloromethane				129	0		0.22	U	
2	Chlorobenzene				112	0		0.29	U	
2	Ethylbenzene				106	0		0.26	U	
2	Bromoform				173	0		0.35	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.42	U	
3	1,3-Dichlorobenzene				146	0		0.28	U	
3	1,4-Dichlorobenzene				146	0		0.29	U	
3	1,2-Dichlorobenzene				146	0		0.26	U	
3	1,2,4-Trichlorobenzene				180	0		0.27	U	

Prep Amount:	5.13 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	84.5 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

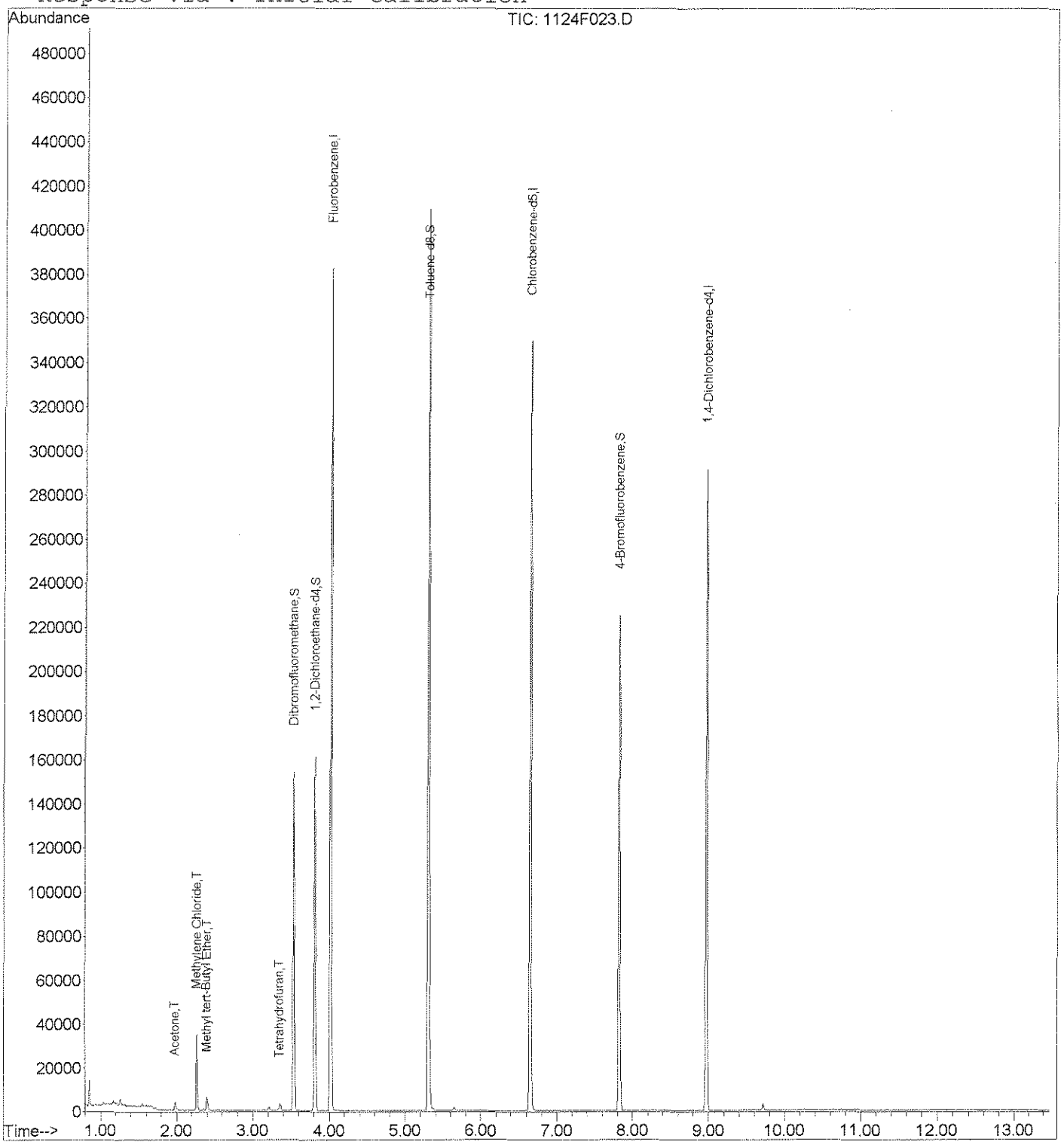
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

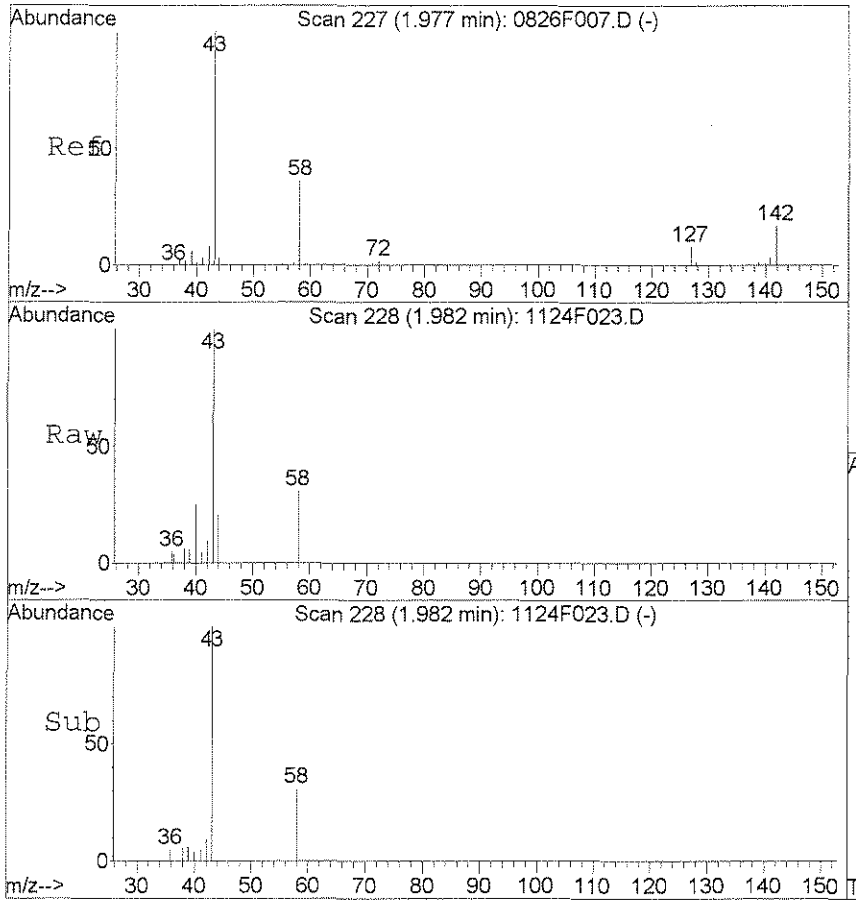
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F023.D Vial: 15
Acq On : 24 Nov 2010 7:00 pm Operator: KR
Sample : K1012914-018 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 26 8:39 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration

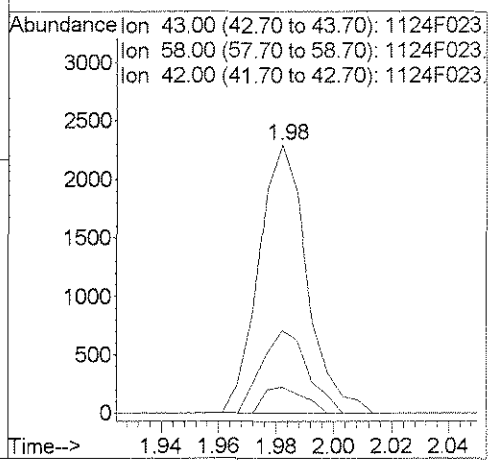


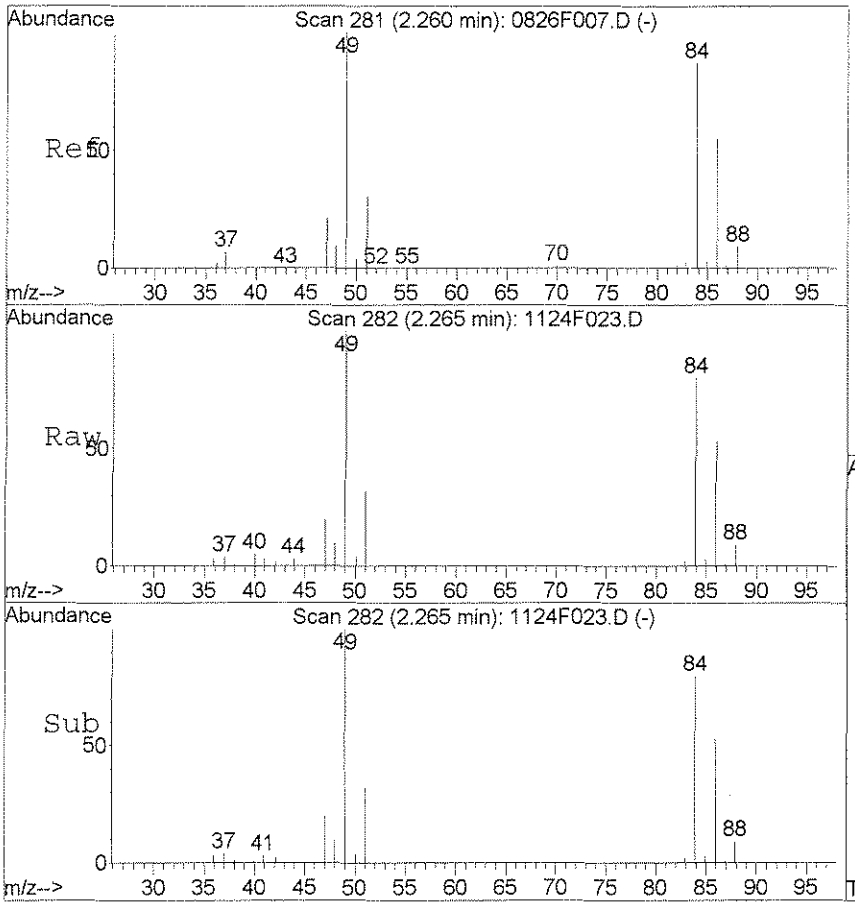


#13
Acetone
Concen: 6.22 PPB
RT: 1.98 min Scan# 228
Delta R.T. 0.01 min
Lab File: 1124F023.D
Acq: 24 Nov 2010 7:00 pm

Tgt Ion: 43 Resp: 2701

Ion	Ratio	Lower	Upper
43	100		
58	31.0	6.0	66.0
42	9.8	0.0	38.1

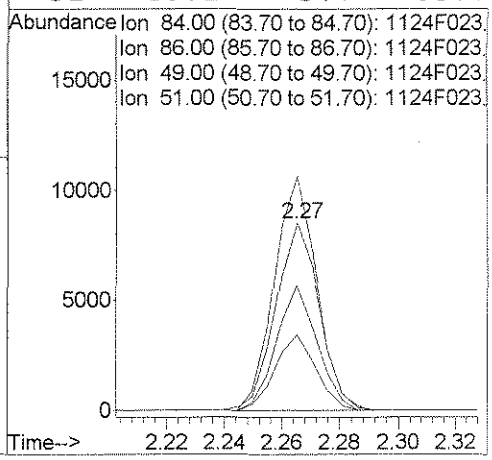


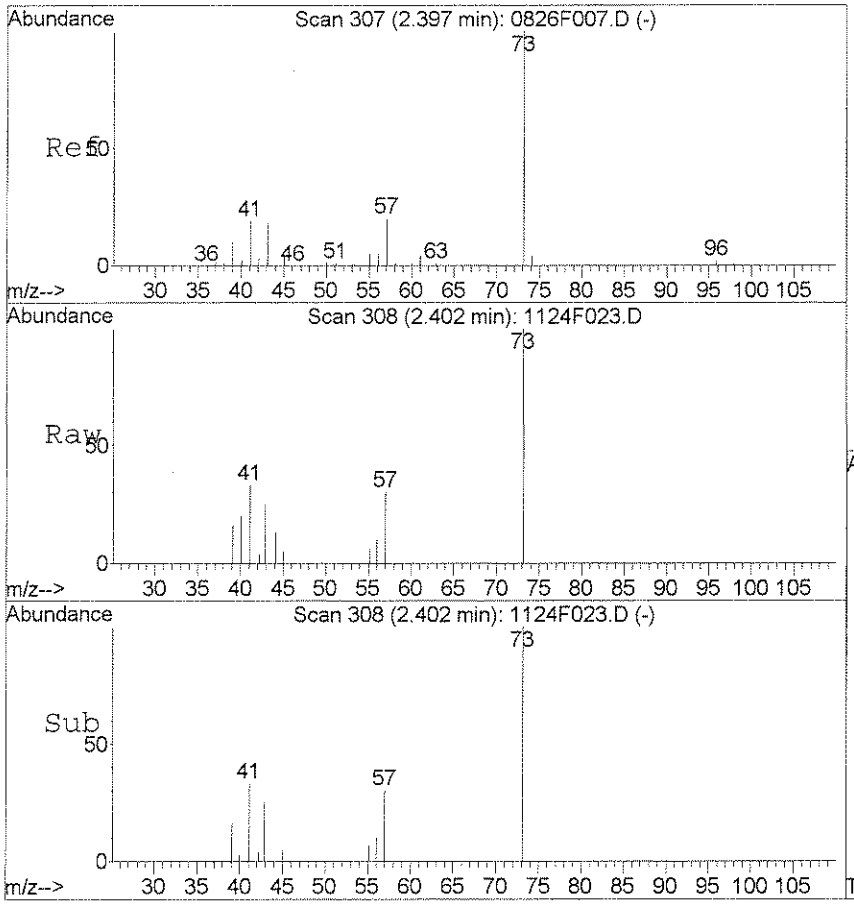


#18
Methylene Chloride
Concen: 7.02 PPB
RT: 2.27 min Scan# 282
Delta R.T. 0.01 min
Lab File: 1124F023.D
Acq: 24 Nov 2010 7:00 pm

Tgt Ion: 84 Resp: 8947

Ion	Ratio	Lower	Upper
84	100		
86	66.5	32.8	92.8
49	124.9	84.9	144.9
51	40.1	5.7	65.7

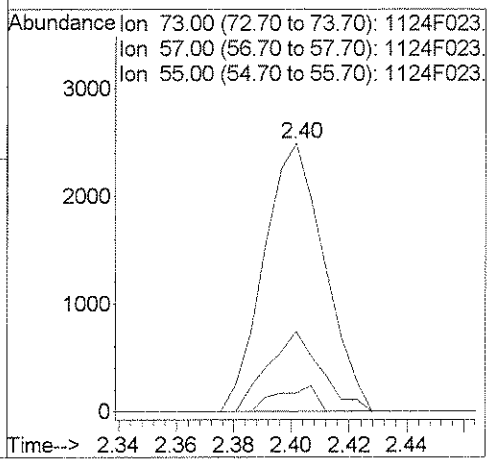


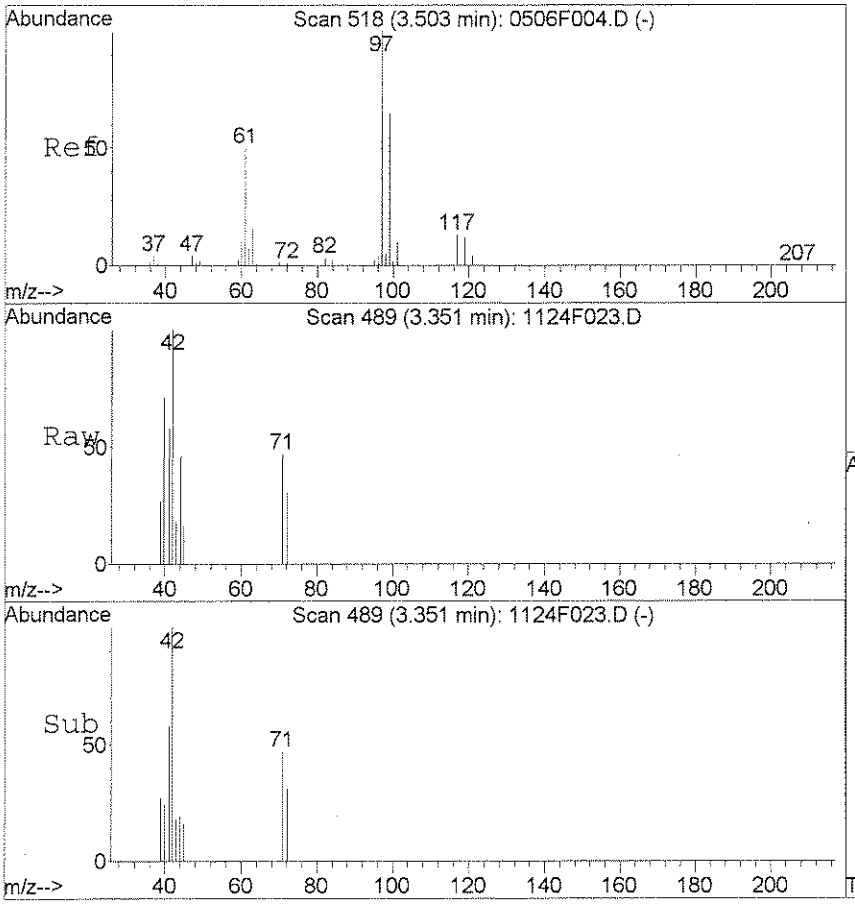


#21
Methyl tert-Butyl Ether
Concen: 1.16 PPB
RT: 2.40 min Scan# 308
Delta R.T. 0.01 min
Lab File: 1124F023.D
Acq: 24 Nov 2010 7:00 pm

Tgt Ion: 73 Resp: 3636

Ion	Ratio	Lower	Upper
73	100		
57	29.8	0.0	51.1
55	6.8	0.0	35.2

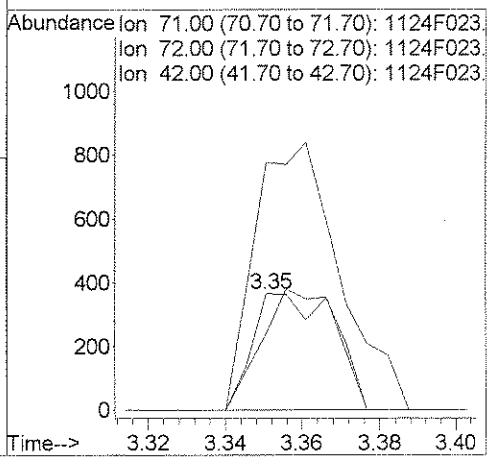




#35
Tetrahydrofuran
Concen: 3.31 PPB
RT: 3.35 min Scan# 489
Delta R.T. -0.01 min
Lab File: 1124F023.D
Acq: 24 Nov 2010 7:00 pm

Tgt Ion: 71 Resp: 539

Ion	Ratio	Lower	Upper
71	100		
72	65.8	80.5	140.5#
42	212.0	171.6	231.6



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.9	0.54	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.9	0.73	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.1	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**8.1**	J	12	0.51	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.9	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.9	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.9	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.9	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.9	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.9	0.31	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.9	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.9	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.9	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	113	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	96	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File: J:\MS24\DATA\112410\1124F024.D
Lab ID: K1012914-019
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/24/2010 19:21
Date Quantitated: 11/26/2010 08:40
Batch ID: KWG1012930
Analysis Method: 8260B
ListJoinID: LJ1211~~5~~ 8

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	K1012914
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981953	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:	Volatile Organic Compounds	**Report List ID:**	LJ12118
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Report List**	

Data File:	J:\MS24\DATA\112410\1124F024.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 19:21	**Quant Date:**	11/26/2010 08:40	**Vial:**	16
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-019			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	242625	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	86081	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	68280	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	60275	55.42	111	83-128	OK
1	Toluene-d8	5.31	0.00	0.00	98	215418	56.60	113	90-125	OK
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	63672	47.99	96	77-124	OK

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Chloromethane				50	0		0.54	U	
1	Vinyl Chloride				62	0		0.37	U	
1	Bromomethane				96	0		0.73	U	
1	Chloroethane				64	0		0.37	U	
1	Acrolein				56	0		3.1	U	
1	1,1-Dichloroethene				96	0		0.27	U	
1	Methylene Chloride	2.27		0.00	84	8783	6.98	8.1	J	
1	Acrylonitrile				53	0		1.4	U	
1	trans-1,2-Dichloroethene				96	0		0.41	U	
1	1,1-Dichloroethane				63	0		0.24	U	
1	Chloroform				83	0		0.26	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.41	U	
1	Carbon Tetrachloride				117	0		0.42	U	
1	Benzene				78	0		0.26	U	
1	1,2-Dichloroethane (EDC)				62	0d		0.18	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F024.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 19:21	**Quant Date:**	11/26/2010 08:40	**Vial:**	16
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-019			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Trichloroethene (TCE)				95	0		0.32	U	
1	1,2-Dichloropropane				63	0		0.26	U	
1	Bromodichloromethane				83	0		0.18	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.56	U	
1	cis-1,3-Dichloropropene				75	0		0.26	U	
1	Toluene				92	0		0.21	U	
2	trans-1,3-Dichloropropene				75	0		0.40	U	
2	1,1,2-Trichloroethane				83	0		0.27	U	
2	Tetrachloroethene (PCE)				164	0		0.31	U	
2	Dibromochloromethane				129	0		0.23	U	
2	Chlorobenzene				112	0		0.30	U	
2	Ethylbenzene				106	0		0.26	U	
2	Bromoform				173	0		0.35	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.42	U	
3	1,3-Dichlorobenzene				146	0		0.28	U	
3	1,4-Dichlorobenzene				146	0		0.30	U	
3	1,2-Dichlorobenzene				146	0		0.26	U	
3	1,2,4-Trichlorobenzene				180	0		0.27	U	

Prep Amount:	5.04 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	85.1 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

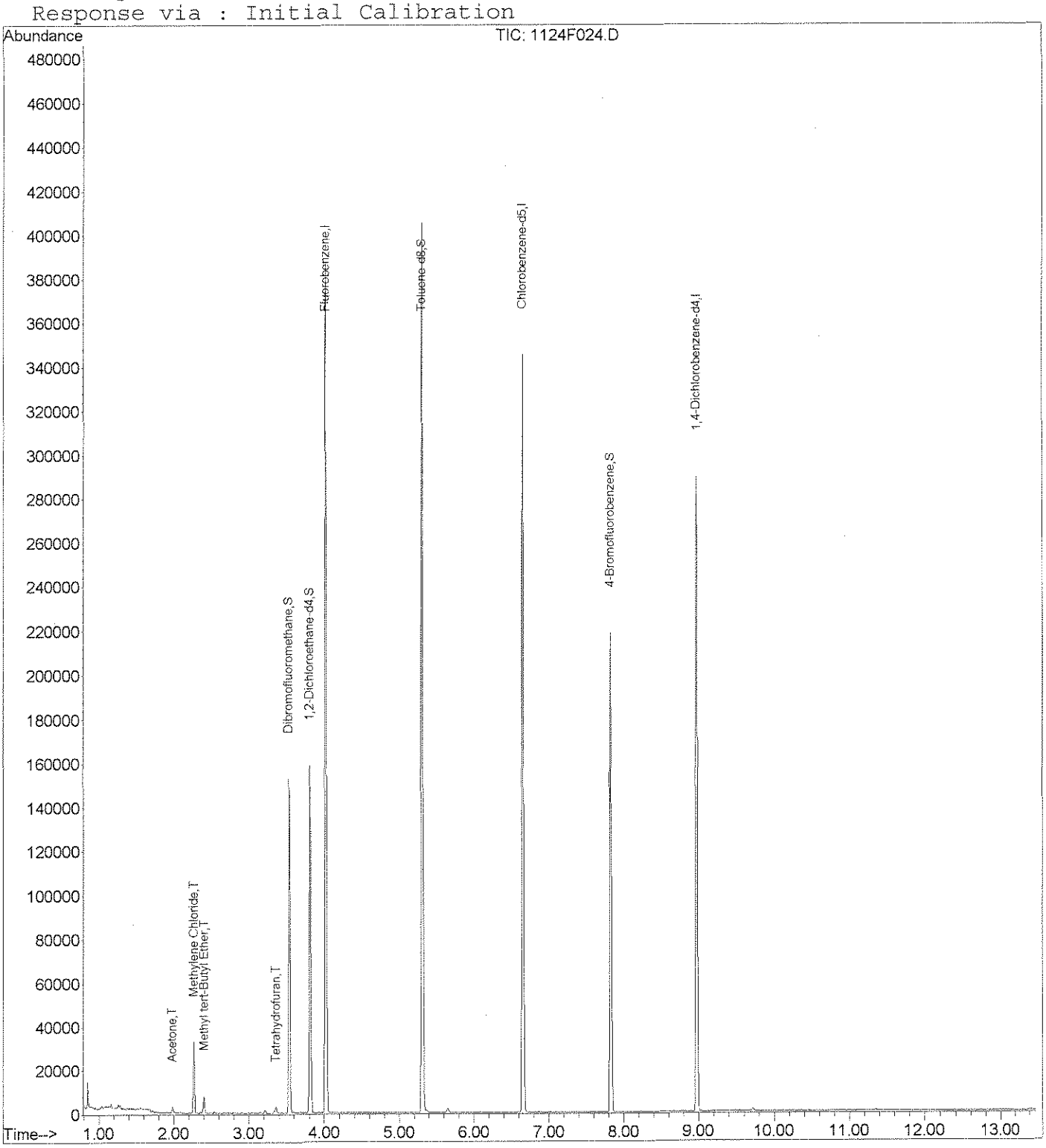
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

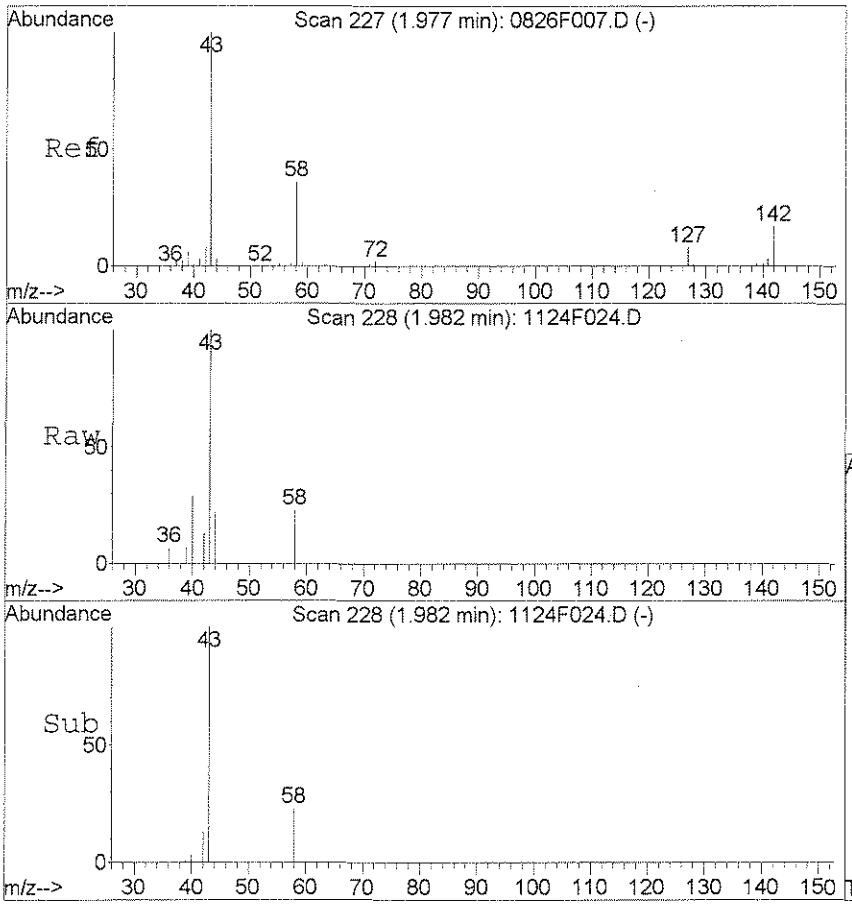
Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F024.D
Acq On : 24 Nov 2010 7:21 pm
Sample : K1012914-019
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:40 2010

Vial: 16
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration

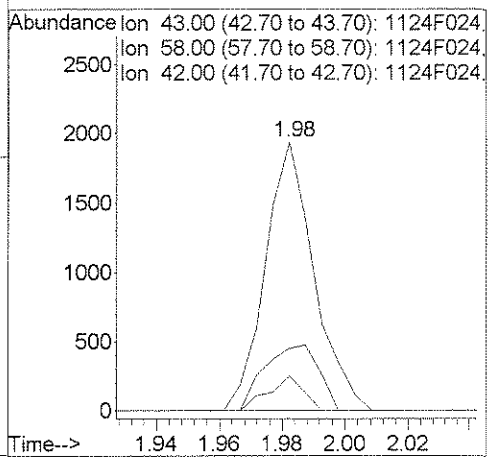


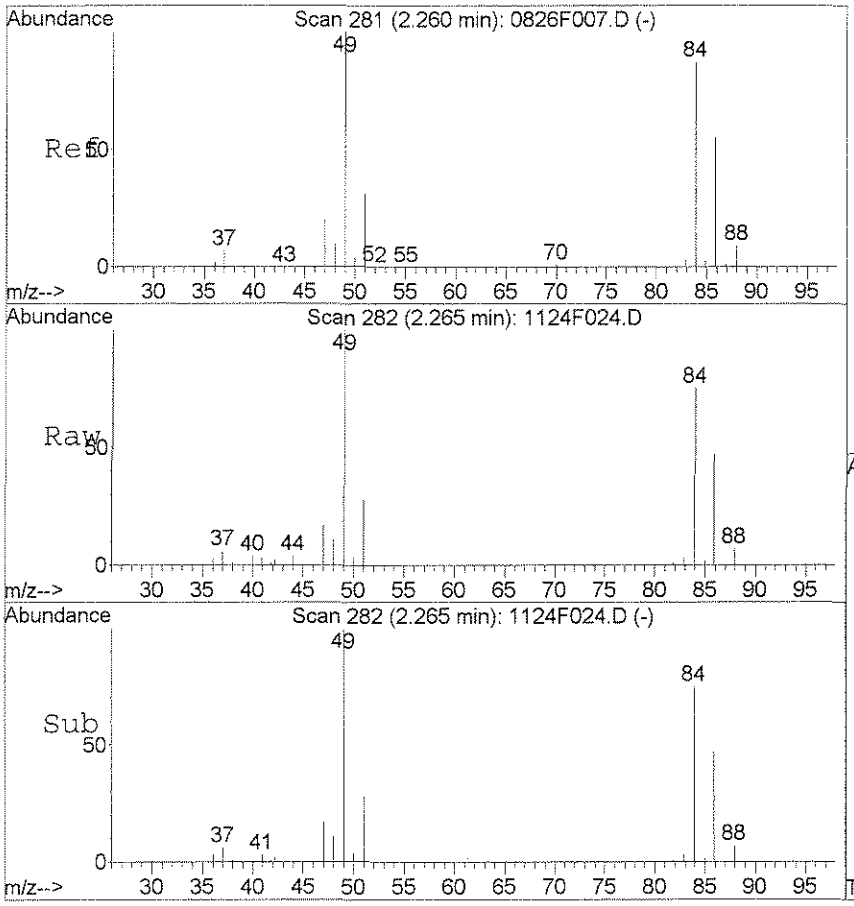


#13
Acetone
Concen: 4.89 PPB
RT: 1.98 min Scan# 228
Delta R.T. 0.01 min
Lab File: 1124F024.D
Acq: 24 Nov 2010 7:21 pm

Tgt Ion: 43 Resp: 2098

Ion	Ratio	Lower	Upper
43	100		
58	23.3	6.0	66.0
42	13.0	0.0	38.1

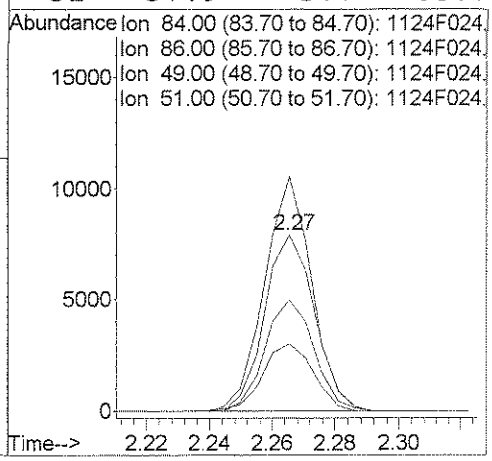


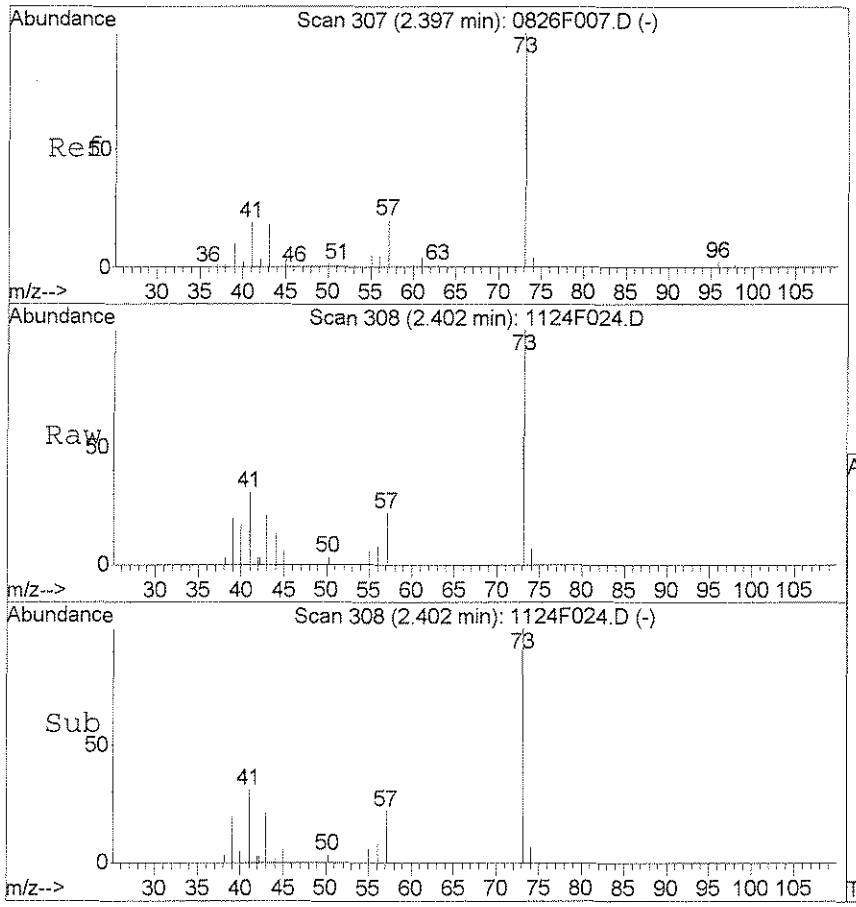


#18
Methylene Chloride
Concen: 6.98 PPB
RT: 2.27 min Scan# 282
Delta R.T. 0.01 min
Lab File: 1124F024.D
Acq: 24 Nov 2010 7:21 pm

Tgt Ion: 84 Resp: 8783

Ion	Ratio	Lower	Upper
84	100		
86	62.9	32.8	92.8
49	133.1	84.9	144.9
51	37.9	5.7	65.7

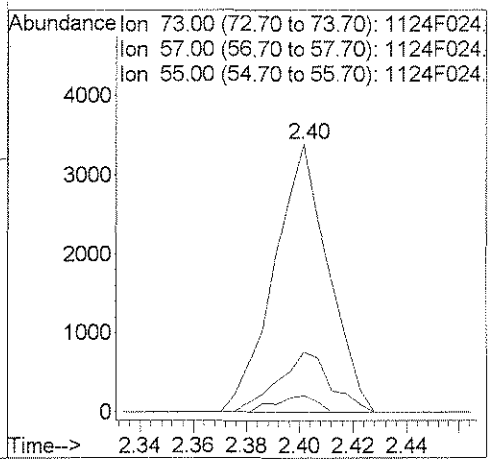


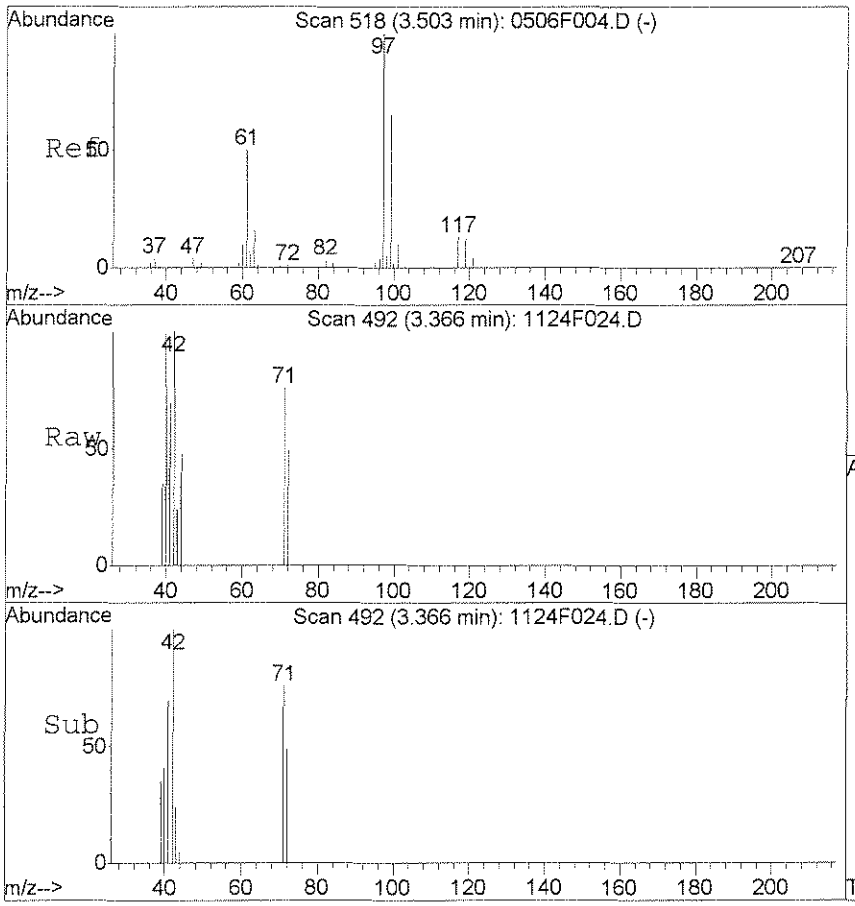


#21
Methyl tert-Butyl Ether
Concen: 1.55 PPB
RT: 2.40 min Scan# 308
Delta R.T. 0.01 min
Lab File: 1124F024.D
Acq: 24 Nov 2010 7:21 pm

Tgt Ion: 73 Resp: 4809

Ion	Ratio	Lower	Upper
73	100		
57	22.4	0.0	51.1
55	6.2	0.0	35.2

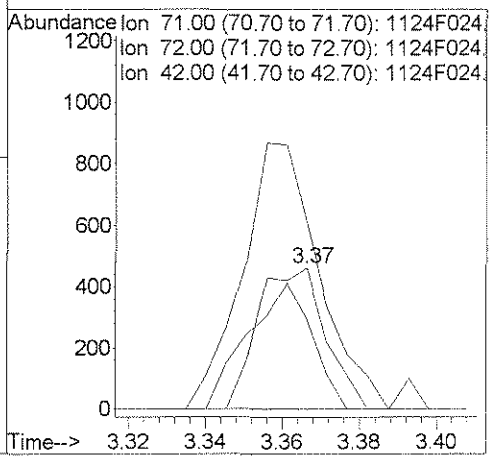




#35
Tetrahydrofuran
Concen: 3.52 PPB
RT: 3.37 min Scan# 492
Delta R.T. 0.01 min
Lab File: 1124F024.D
Acq: 24 Nov 2010 7:21 pm

Tgt Ion: 71 Resp: 566

Ion	Ratio	Lower	Upper
71	100		
72	64.7	80.5	140.5#
42	131.8	171.6	231.6#



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1012941-5

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 5030A
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.0	0.46	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.0	0.62	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	20	2.6	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**3.1**	J	10	0.43	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.0	1.2	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.0	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.0	0.20	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.0	0.35	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.0	0.36	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.0	0.15	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.0	0.15	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	10	0.48	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.0	0.18	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.0	0.34	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.0	0.26	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.0	0.19	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.0	0.25	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.0	0.30	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.0	0.36	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.0	0.24	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.0	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	20	0.23	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG1012941-5

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	83-128	11/24/10	Acceptable
Toluene-d8	115	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	97	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File: J:\MS24\DATA\112410\1124F016.D
Lab ID: KWG1012941-5
RunType: MB
Matrix: SEDIMENT

Date Acquired: 11/24/2010 16:31
Date Quantitated: 11/26/2010 08:32
Batch ID: KWG1012930
Analysis Method: 8260B
MethodJoinID: MJ120

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0033	0.01	NA	NR
Second Source ICAL Verification	trans-1,4-Dichloro-2-butene	51.7	NA	30	
Continuing Calibration Recovery	tert-Butyl Alcohol	-31.4	NA	30	
	Isobutanol	-32.4	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0027	0.01	NA	
	Isobutanol	0.0073	0.01	NA	

Primary Review: KA 11/26/10

Secondary Review: 11/29/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981965	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:			
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:		**Quant based on Method**	

Data File:	J:\MS24\DATA\112410\1124F016.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 16:31	**Quant Date:**	11/26/2010 08:32	**Vial:**	8
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG1012941-5			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	250681	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	93021	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	77482	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	61778	54.97	110	83-128	OK
1	1,2-Dichloroethane-d4	3.81	0.00	0.00	65	74426	51.51	103	64-142	OK
1	Toluene-d8	5.31	0.00	0.00	98	226436	57.58	115	90-125	OK
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	69302	48.33	97	77-124	OK

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane				85	0		0.22	U	
1	Chloromethane				50	0		0.46	U	
1	Vinyl Chloride				62	0		0.31	U	
1	Bromomethane				96	0		0.62	U	
1	Chloroethane				64	0		0.31	U	
1	Dichlorofluoromethane (CFC 21				67	0		0.35	U	
1	Trichlorofluoromethane				101	0		0.21	U	
1	Diethyl Ether				59	0		5.0	U	
1	Acrolein				56	0		2.6	U	
1	Trichlorotrifluoroethane				151	0		0.56	U	
1	1,1-Dichloroethene				96	0		0.23	U	
1	Acetone	1.98		0.00	43	5921	13.35	13.4	J	
1	Iodomethane (Methyl Iodide)				142	0		0.57	U	
1	Carbon Disulfide				76	0		0.26	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F016.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 16:31	**Quant Date:**	11/26/2010 08:32	**Vial:**	8
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG1012941-5			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene				76	0		0.32	U	
1	Acetonitrile				40	0		23	U	
1	Methylene Chloride	2.27		0.00	84	4035	3.10	3.10	J	
1	tert-Butyl Alcohol				59	0		2.8	U	
1	Acrylonitrile				53	0		1.2	U	
1	Methyl tert-Butyl Ether	2.40		0.00	73	2023	0.6300	0.630	J	
1	trans-1,2-Dichloroethene				96	0		0.35	U	
1	n-Hexane				57	0		0.22	U	
1	Diisopropyl Ether				45	0		0.16	U	
1	1,1-Dichloroethane				63	0		0.20	U	
1	Vinyl Acetate				86	0		0.92	U	
1	Chloroprene				53	0		0.76	U	
1	tert-Butyl Ethyl Ether				59	0		0.14	U	
1	2,2-Dichloropropane				77	0		0.36	U	
1	cis-1,2-Dichloroethene				96	0		0.23	U	
1	2-Butanone (MEK)				72	0		0.99	U	
1	Propionitrile				54	0		1.2	U	
1	Methacrylonitrile				67	0d		0.62	U	
1	Bromochloromethane				128	0		0.14	U	
1	Tetrahydrofuran				71	0		5.0	U	
1	Chloroform				83	0		0.22	U	
1	1,1,1-Trichloroethane (TCA)				97	0		0.35	U	
1	Carbon Tetrachloride				117	0		0.36	U	
1	1,1-Dichloropropene				75	0		0.27	U	
1	Isobutanol				43	0		12	U	
1	Benzene				78	0		0.22	U	
1	1,2-Dichloroethane (EDC)				62	0d		0.15	U	
1	tert-Amyl Methyl Ether				55	0		0.32	U	
1	Trichloroethene (TCE)				95	0		0.27	U	
1	1,2-Dichloropropane				63	0		0.22	U	
1	Dibromomethane				93	0		0.28	U	
1	Methyl Methacrylate				69	0		0.39	U	
1	1,4-Dioxane				88	0		14	U	
1	Bromodichloromethane				83	0		0.15	U	
1	2-Nitropropane				41	0d		1.1	U	
1	2-Chloroethyl Vinyl Ether				63	0		0.48	U	
1	cis-1,3-Dichloropropene				75	0		0.22	U	
1	4-Methyl-2-pentanone (MIBK)				58	0d		0.74	U	
1	Toluene				92	0		0.18	U	
2	trans-1,3-Dichloropropene				75	0		0.34	U	
2	Ethyl Methacrylate				69	0d		0.34	U	
2	1,1,2-Trichloroethane				83	0		0.23	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F016.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 16:31	**Quant Date:**	11/26/2010 08:32	**Vial:**	8
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG1012941-5			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	Tetrachloroethene (PCE)				164	0		0.26	U	
2	2-Hexanone				57	0		0.93	U	
2	1,3-Dichloropropane				76	0		0.20	U	
2	Dibromochloromethane				129	0		0.19	U	
2	1,2-Dibromoethane (EDB)				107	0		0.27	U	
2	1-Chlorohexane				91	0		0.28	U	
2	Chlorobenzene				112	0		0.25	U	
2	Ethylbenzene				106	0		0.22	U	
2	1,1,1,2-Tetrachloroethane				131	0		0.25	U	
2	m,p-Xylenes				106	0		0.37	U	
2	o-Xylene				106	0		0.13	U	
2	Styrene				103	0		0.13	U	
2	Bromoform				173	0		0.30	U	
2	Isopropylbenzene				105	0		0.13	U	
2	cis-1,4-Dichloro-2-butene				89	0		1.2	U	
3	1,1,2,2-Tetrachloroethane				83	0		0.36	U	
3	trans-1,4-Dichloro-2-butene				53	0		0.27	U	
3	Bromobenzene				156	0		0.22	U	
3	n-Propylbenzene				91	0		0.36	U	
3	1,2,3-Trichloropropane				110	0		0.38	U	
3	2-Chlorotoluene				91	0		0.29	U	
3	1,3,5-Trimethylbenzene				105	0		0.36	U	
3	4-Chlorotoluene				91	0		0.26	U	
3	tert-Butylbenzene				119	0		0.33	U	
3	1,2,4-Trimethylbenzene				105	0		0.28	U	
3	sec-Butylbenzene				105	0		0.31	U	
3	4-Isopropyltoluene				119	0		0.28	U	
3	1,3-Dichlorobenzene				146	0		0.24	U	
3	1,4-Dichlorobenzene				146	0		0.25	U	
3	n-Butylbenzene				91	0		0.32	U	
3	1,2-Dichlorobenzene				146	0		0.22	U	
3	1,2-Dibromo-3-chloropropane				155	0		0.66	U	
3	1,2,4-Trichlorobenzene				180	0		0.23	U	
3	Hexachlorobutadiene				225	0		0.21	U	
3	Naphthalene				128	0		0.36	U	
3	1,2,3-Trichlorobenzene				180	0		0.21	U	
	4-Vinyl-1-cyclohexene				0	0		5.0	U	NR
	Benzyl Chloride				0	0		5.0	U	NR
	1,3-Butadiene				0	0		1.0	U	NR
	2-Methylpentane				0	0		5.0	U	NR
	Cyclohexanone				0	0		10	U	NR
	Ethyl Acetate				0	0		20	U	NR

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*: Result fails acceptance criteria
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?: insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F016.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 16:31	**Quant Date:**	11/26/2010 08:32	**Vial:**	8
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG1012941-5			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
n-Heptane			0	0		5.0	U	NR
2,2-Dichloro-1,1,1-trifluoroetha			0	0		5.0	U	NR
1,1,2-Trifluoroethane			0	0		10	U	NR
2,2,4-Trimethylpentane			0	0		5.0	U	NR
Ethyl Alcohol			0	0		200	U	NR
2-Propanol			0	0		200	U	NR
Hexachloroethane			0	0		1.0	U	NR
n-Butyl Alcohol			0	0		250	U	NR
3-Methylpentane			0	0		5.0	U	NR
Methylcyclopentane			0	0		5.0	U	NR

Prep Amount:	5.00 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

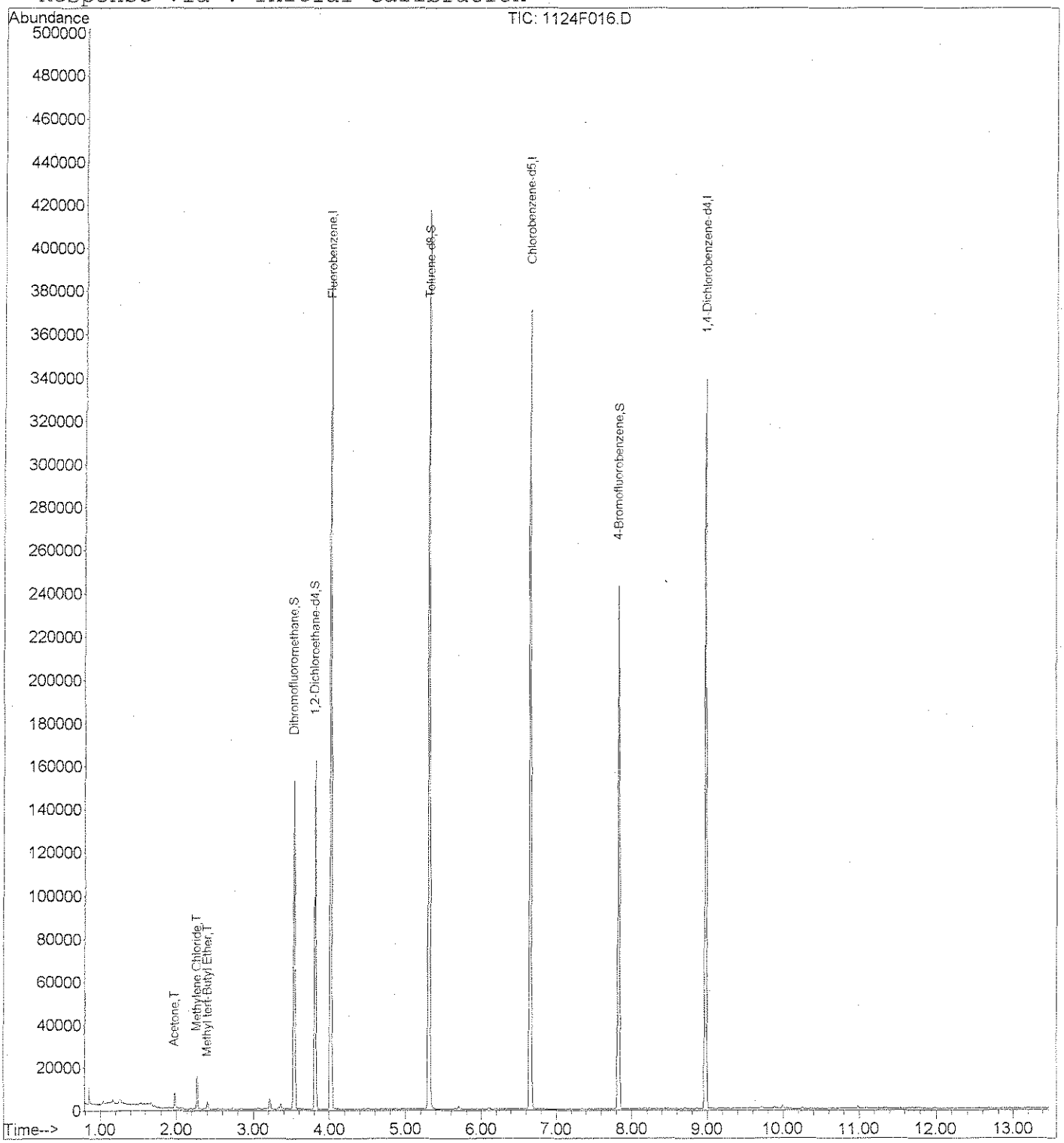
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

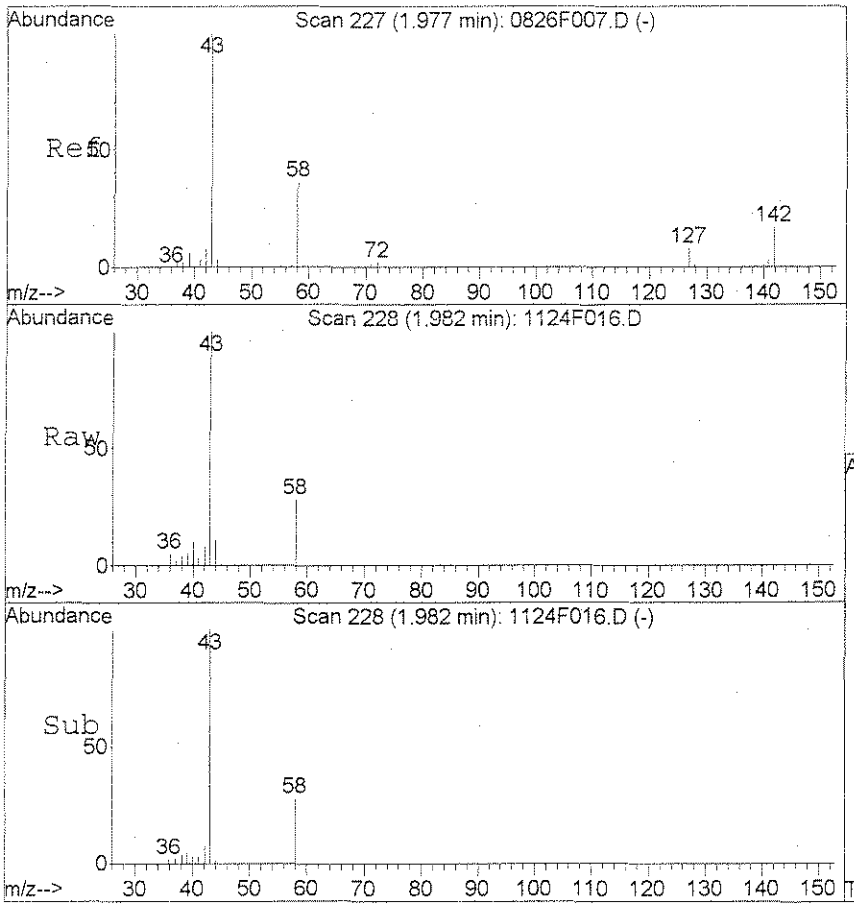
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F016.D Vial: 8
Acq On : 24 Nov 2010 4:31 pm Operator: KR
Sample : SOIL MB Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 26 8:32 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration

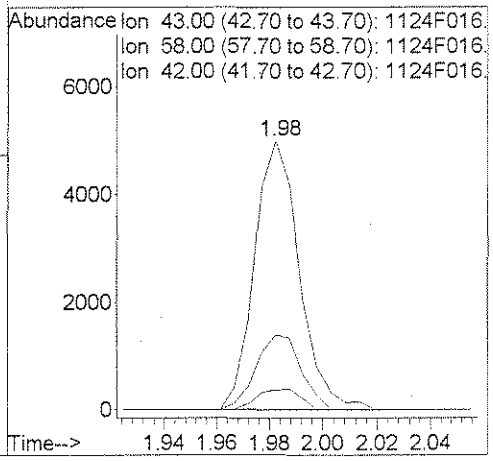


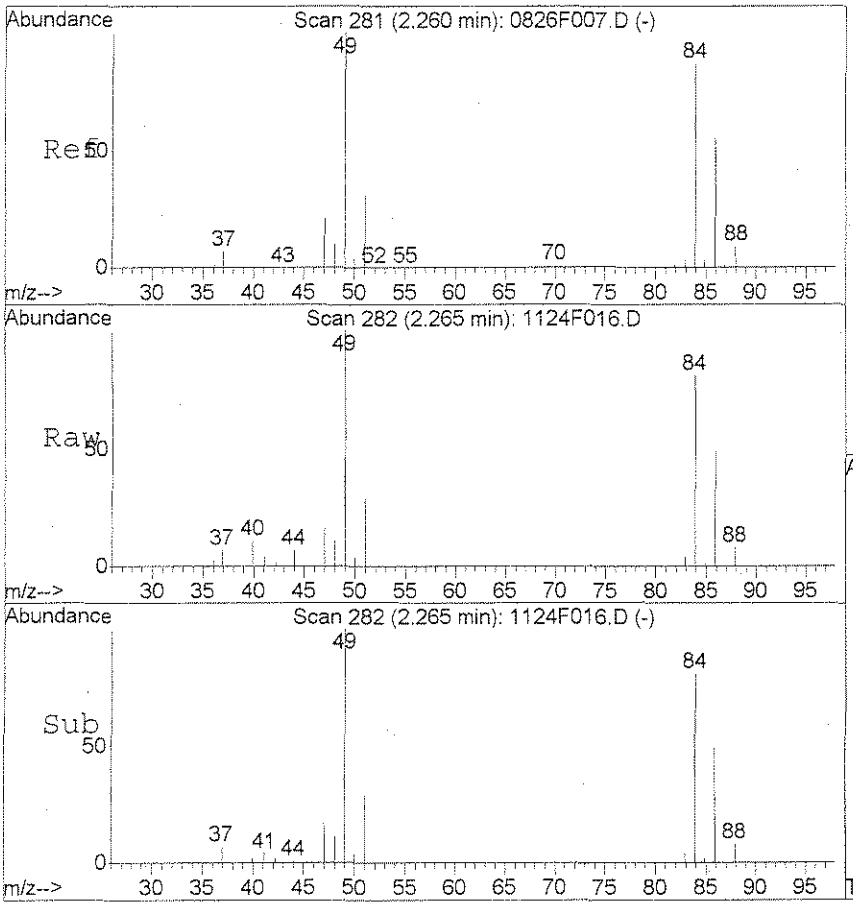


#13
Acetone
Concen: 13.35 PPB
RT: 1.98 min Scan# 228
Delta R.T. 0.01 min
Lab File: 1124F016.D
Acq: 24 Nov 2010 4:31 pm

Tgt Ion: 43 Resp: 5921

Ion	Ratio	Lower	Upper
43	100		
58	28.1	6.0	66.0
42	7.5	0.0	38.1

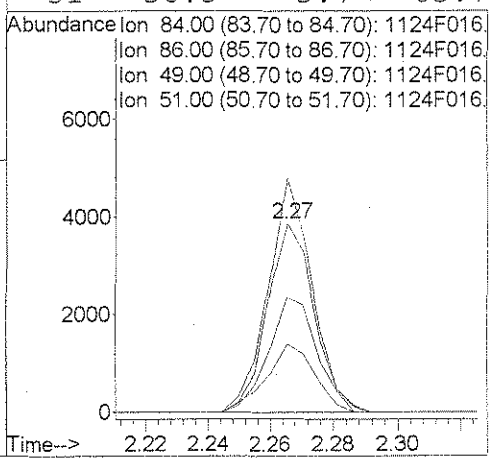


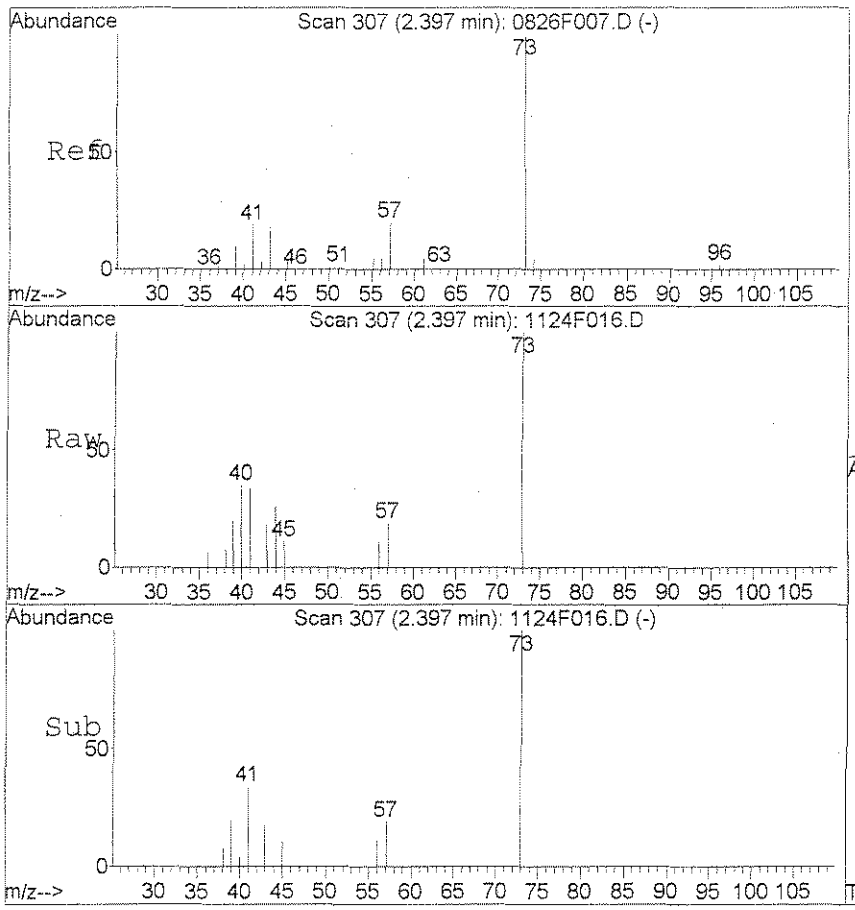


#18
Methylene Chloride
Concen: 3.10 PPB
RT: 2.27 min Scan# 282
Delta R.T. 0.01 min
Lab File: 1124F016.D
Acq: 24 Nov 2010 4:31 pm

Tgt Ion: 84 Resp: 4035

Ion	Ratio	Lower	Upper
84	100		
86	60.9	32.8	92.8
49	123.9	84.9	144.9
51	36.3	5.7	65.7

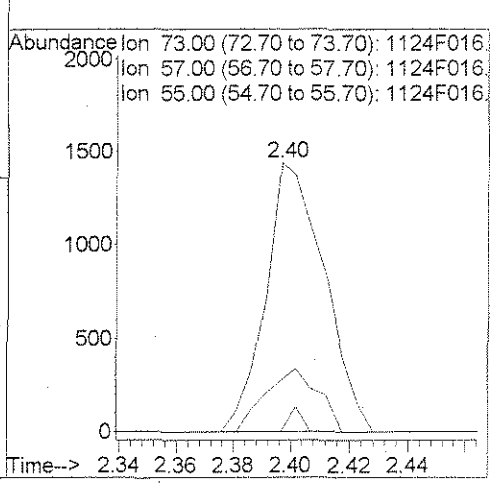




#21
Methyl tert-Butyl Ether
Concen: 0.63 PPB
RT: 2.40 min Scan# 307
Delta R.T. -0.00 min
Lab File: 1124F016.D
Acq: 24 Nov 2010 4:31 pm

Tgt Ion: 73 Resp: 2023

Ion	Ratio	Lower	Upper
73	100		
57	19.0	0.0	51.1
55	0.0	0.0	35.2



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0001MS
Lab Code: KWG1012941-1

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 5030A
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	**45.7**		6.0	0.55	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	**59.5**		6.0	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	**47.2**		6.0	0.74	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	**63.5**		6.0	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.2	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	**58.4**		6.0	0.28	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**56.4**		12	0.52	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	**94.9**		6.0	1.5	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	**55.9**		6.0	0.42	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	**56.2**		6.0	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	**57.0**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	**56.0**		6.0	0.42	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	**55.2**		6.0	0.43	1	11/24/10	11/24/10	KWG1012941	
Benzene	**54.9**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	**55.5**		6.0	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	**55.0**		6.0	0.33	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	**53.3**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	**54.4**		6.0	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	**49.0**		12	0.58	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	**47.1**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Toluene	**54.8**		6.0	0.22	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	**45.0**		6.0	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	**53.8**		6.0	0.28	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	**53.6**		6.0	0.32	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	**49.5**		6.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	**51.5**		6.0	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	**54.1**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromoform	**44.4**		6.0	0.36	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	**44.8**		6.0	0.43	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	**45.5**		6.0	0.29	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	**45.2**		6.0	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	**42.4**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	**29.8**		24	0.28	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0001MS
Lab Code: KWG1012941-1

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	83-128	11/24/10	Acceptable
Toluene-d8	121	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	103	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File:	J:\MS24\DATA\112410\1124F025.D	**Date Acquired:**	11/24/2010 19:42
Lab ID:	KWG1012941-1 -- K1012914-001MS	**Date Quantitated:**	11/26/2010 08:41
RunType:	MS	**Batch ID:**	KWG1012930
Matrix:	SEDIMENT	**Analysis Method:**	8260B
		MethodJoinID:	MJ120

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0033	0.01	NA	NT
Second Source ICAL Verification	trans-1,4-Dichloro-2-butene	51.7	NA	30	
Continuing Calibration Recovery	tert-Butyl Alcohol	-31.4	NA	30	
	Isobutanol	-32.4	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0027	0.01	NA	
	Isobutanol	0.0073	0.01	NA	

Incorrect list attached to SR - Samples spiked w/o Acrolein - Per Acrolein duplication see LCS/DUPS.

Primary Review: KA 11/26/10

Secondary Review: [illegible] 12/9/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	K1012916
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981961	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:			
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Method**	

Data File:	J:\MS24\DATA\112410\1124F025.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 19:42	**Quant Date:**	11/26/2010 08:41	**Vial:**	17
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG1012941-1 -- K1012914-001MS			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	260663	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	101407	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	85933	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	3.54	0.01	0.00	113	64071	54.83	110	83-128	OK	
1	1,2-Dichloroethane-d4	3.81	0.00	0.00	65	77769	51.76	104	64-142	OK	
1	Toluene-d8	5.31	0.00	0.00	98	247391	60.50	121	90-125	OK	
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	80780	51.68	103	77-124	OK	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	0.87	0.01	0.00	85	39427	36.67	36.7		
1	Chloromethane	0.99		0.00	50	57333	38.30	38.3		
1	Vinyl Chloride	1.06		0.00	62	66081	49.89	49.9		
1	Bromomethane	1.30		0.00	96	36011	39.54	39.5		
1	Chloroethane	1.37	0.01	0.00	64	46212	53.23	53.2		
1	Dichlorofluoromethane (CFC 21	1.52		0.00	67	116192	57.63	57.6		
1	Trichlorofluoromethane	1.51		0.00	101	78134	53.69	53.7		
1	Diethyl Ether	1.73		0.00	59	47228	41.74	41.7		
1	Acrolein				56	0		2.6	U	
1	Trichlorotrifluoroethane	1.86		0.00	151	32172	45.37	45.4		
1	1,1-Dichloroethene	1.88		0.00	96	41259	48.93	48.9		
1	Acetone	1.98		0.00	43	83283	180.63	181		
1	Iodomethane (Methyl Iodide)	2.00		0.00	142	81388	70.95	71.0		
1	Carbon Disulfide	2.01		0.00	76	228209	67.30	67.3		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F025.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 19:42	**Quant Date:**	11/26/2010 08:41	**Vial:**	17
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG1012941-1 -- K1012914-001MS			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.16		0.00	76	42517	71.22	71.2		
1	Acetonitrile	2.23		0.00	40	47053	523.79	524		
1	Methylene Chloride	2.27		0.00	84	63939	47.27	47.3		
1	tert-Butyl Alcohol	2.35		0.00	59	48615	392.46	392		
1	Acrylonitrile	2.50		0.00	53	37571	79.53	79.5		
1	Methyl tert-Butyl Ether	2.40		0.00	73	142444	42.79	42.8		
1	trans-1,2-Dichloroethene	2.42	0.01	0.00	96	49556	46.85	46.9		
1	n-Hexane	2.54		0.00	57	88055	64.49	64.5		
1	Diisopropyl Ether	2.73		0.00	45	342691	89.99	90.0		
1	1,1-Dichloroethane	2.75		0.00	63	95641	47.13	47.1		
1	Vinyl Acetate	2.74	-0.04	-0.01	86	748	3.32	3.32	J	
1	Chloroprene	2.78		0.00	53	112806	68.87	68.9		
1	tert-Butyl Ethyl Ether	2.99		0.00	59	293210	87.50	87.5		
1	2,2-Dichloropropane	3.15		0.00	77	50446	43.88	43.9		
1	cis-1,2-Dichloroethene	3.18		0.00	96	57432	46.13	46.1		
1	2-Butanone (MEK)	3.21		0.00	72	32424	192.36	192		
1	Propionitrile	3.32		0.00	54	9516	49.72	49.7		
1	Methacrylonitrile	3.40		0.00	67	24869	45.05	45.1		
1	Bromochloromethane	3.36		0.00	128	29396	45.10	45.1		
1	Tetrahydrofuran	3.36			71	1093	6.32	6.32		
1	Chloroform	3.41		0.00	83	95504	47.76	47.8		
1	1,1,1-Trichloroethane (TCA)	3.50		0.00	97	63987	46.89	46.9		
1	Carbon Tetrachloride	3.59		0.00	117	56060	46.28	46.3		
1	1,1-Dichloropropene	3.63		0.00	75	62751	46.17	46.2		
1	Isobutanol	3.78		0.00	43	25176	449.52	450		
1	Benzene	3.79		0.00	78	206329	45.97	46.0		
1	1,2-Dichloroethane (EDC)	3.88	0.01	0.00	62	77805	46.49	46.5		
1	tert-Amyl Methyl Ether	3.84		0.00	55	110111	98.16	98.2		
1	Trichloroethene (TCE)	4.29		0.00	95	51835	46.11	46.1		
1	1,2-Dichloropropane	4.53		0.00	63	52520	44.64	44.6		
1	Dibromomethane	4.62		0.00	93	35446	44.88	44.9		
1	Methyl Methacrylate	4.60		0.00	69	79271	90.76	90.8		
1	1,4-Dioxane	4.62		0.00	88	12277	719.12	719		
1	Bromodichloromethane	4.75		0.00	83	70727	45.56	45.6		
1	2-Nitropropane	5.02		0.00	41	20002	69.75	69.8		
1	2-Chloroethyl Vinyl Ether	5.02		0.00	63	30467	41.03	41.0		
1	cis-1,3-Dichloropropene	5.13		0.00	75	69605	39.43	39.4		
1	4-Methyl-2-pentanone (MIBK)	5.26		0.00	58	95874	206.79	207		
1	Toluene	5.37	0.01	0.00	92	119724	45.95	46.0		
2	trans-1,3-Dichloropropene	5.65		0.00	75	56565	37.73	37.7		
2	Ethyl Methacrylate	5.67		0.00	69	19150	13.54	13.5	J	
2	1,1,2-Trichloroethane	5.81		0.00	83	42086	45.08	45.1		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
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E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F025.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 19:42	**Quant Date:**	11/26/2010 08:41	**Vial:**	17
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG1012941-1 -- K1012914-001MS			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	Tetrachloroethene (PCE)	5.82		0.00	164	35896	44.95	45.0		
2	2-Hexanone	6.02		0.00	57	27171	177.26	177		
2	1,3-Dichloropropane	5.97		0.00	76	83744	43.79	43.8		
2	Dibromochloromethane	6.13		0.00	129	49227	41.47	41.5		
2	1,2-Dibromoethane (EDB)	6.25		0.00	107	44366	42.56	42.6		
2	1-Chlorohexane	6.64		0.00	91	48270	39.58	39.6		
2	Chlorobenzene	6.68		0.00	112	129604	43.13	43.1		
2	Ethylbenzene	6.76		0.00	106	64737	45.31	45.3		
2	1,1,1,2-Tetrachloroethane	6.77		0.00	131	44014	41.52	41.5		
2	m,p-Xylenes	6.87		0.00	106	154351	88.35	88.4		
2	o-Xylene	7.27		0.00	106	74444	43.27	43.3		
2	Styrene	7.30		0.00	103	57952m	39.79	39.8		
2	Bromoform	7.51		0.00	173	29567	37.19	37.2		
2	Isopropylbenzene	7.62		0.00	105	172666	45.10	45.1		
2	cis-1,4-Dichloro-2-butene	7.80		0.00	89	9102	47.94	47.9		
3	1,1,2,2-Tetrachloroethane	8.03		0.00	83	51170	37.54	37.5		
3	trans-1,4-Dichloro-2-butene	8.10		0.00	53	25029	92.73	92.7		
3	Bromobenzene	7.96		0.00	156	49141	41.27	41.3		
3	n-Propylbenzene	8.04		0.00	91	205121	43.29	43.3		
3	1,2,3-Trichloropropane	8.07		0.00	110	17294	43.17	43.2		
3	2-Chlorotoluene	8.15		0.00	91	130666	42.88	42.9		
3	1,3,5-Trimethylbenzene	8.23		0.00	105	139391	41.85	41.9		
3	4-Chlorotoluene	8.27		0.00	91	131667	41.71	41.7		
3	tert-Butylbenzene	8.54		0.00	119	113556	41.63	41.6		
3	1,2,4-Trimethylbenzene	8.60		0.00	105	136590	39.56	39.6		
3	sec-Butylbenzene	8.76		0.00	105	156747	38.40	38.4		
3	4-Isopropyltoluene	8.90		0.00	119	127638	36.78	36.8		
3	1,3-Dichlorobenzene	8.90		0.00	146	82533	38.14	38.1		
3	1,4-Dichlorobenzene	9.00		0.00	146	85077	37.89	37.9		
3	n-Butylbenzene	9.30	-0.01	0.00	91	107545	34.20	34.2		
3	1,2-Dichlorobenzene	9.36		0.00	146	76383	35.55	35.6		
3	1,2-Dibromo-3-chloropropane	10.14		0.00	155	6323	30.58	30.6		
3	1,2,4-Trichlorobenzene	10.85	-0.01	0.00	180	35432	24.99	25.0		
3	Hexachlorobutadiene	10.96		0.00	225	17741	24.38	24.4		
3	Naphthalene	11.09		0.00	128	75332	21.25	21.3		
3	1,2,3-Trichlorobenzene	11.32		0.00	180	31036	21.50	21.5		
	4-Vinyl-1-cyclohexene				0	0		5.0	U	NR
	Benzyl Chloride				0	0		5.0	U	NR
	1,3-Butadiene				0	0		1.0	U	NR
	2-Methylpentane				0	0		5.0	U	NR
	Cyclohexanone				0	0		10	U	NR
	Ethyl Acetate				0	0		20	U	NR

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Data File:	J:\MS24\DATA\112410\1124F025.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 19:42	**Quant Date:**	11/26/2010 08:41	**Vial:**	17
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG1012941-1 -- K1012914-001MS			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
n-Heptane			0	0		5.0	U	NR
2,2-Dichloro-1,1,1-trifluoroetha			0	0		5.0	U	NR
1,1,2-Trifluoroethane			0	0		10	U	NR
2,2,4-Trimethylpentane			0	0		5.0	U	NR
Ethyl Alcohol			0	0		200	U	NR
2-Propanol			0	0		200	U	NR
Hexachloroethane			0	0		1.0	U	NR
n-Butyl Alcohol			0	0		250	U	NR
3-Methylpentane			0	0		5.0	U	NR
Methylcyclopentane			0	0		5.0	U	NR

Prep Amount:	5.00 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

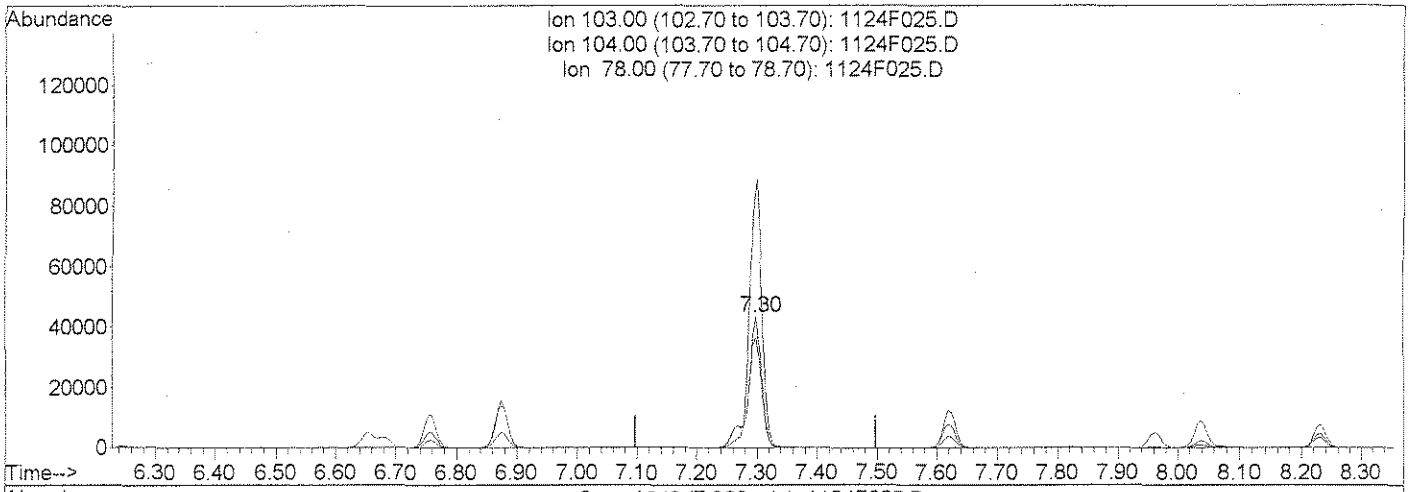
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

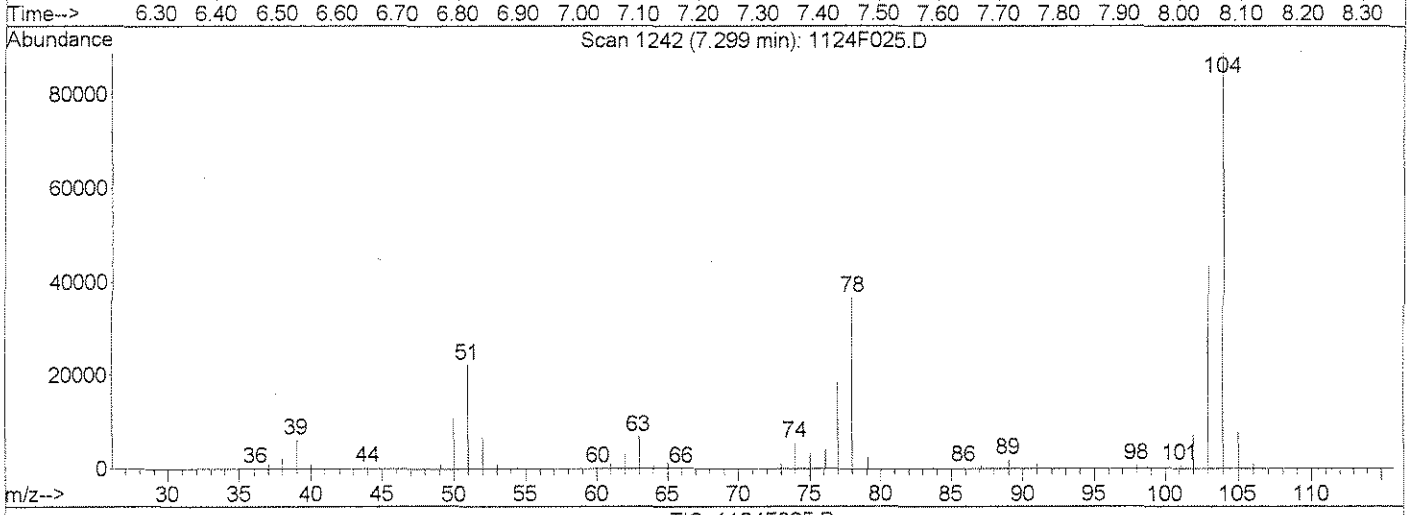
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F025.D Vial: 17
Acq On : 24 Nov 2010 7:42 pm Operator: KR
Sample : K1012914-001MS Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 26 8:41 2010 Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





TIC: 1124F025.D

(73) Styrene (T)

7.30min 47.24PPB

response 68803

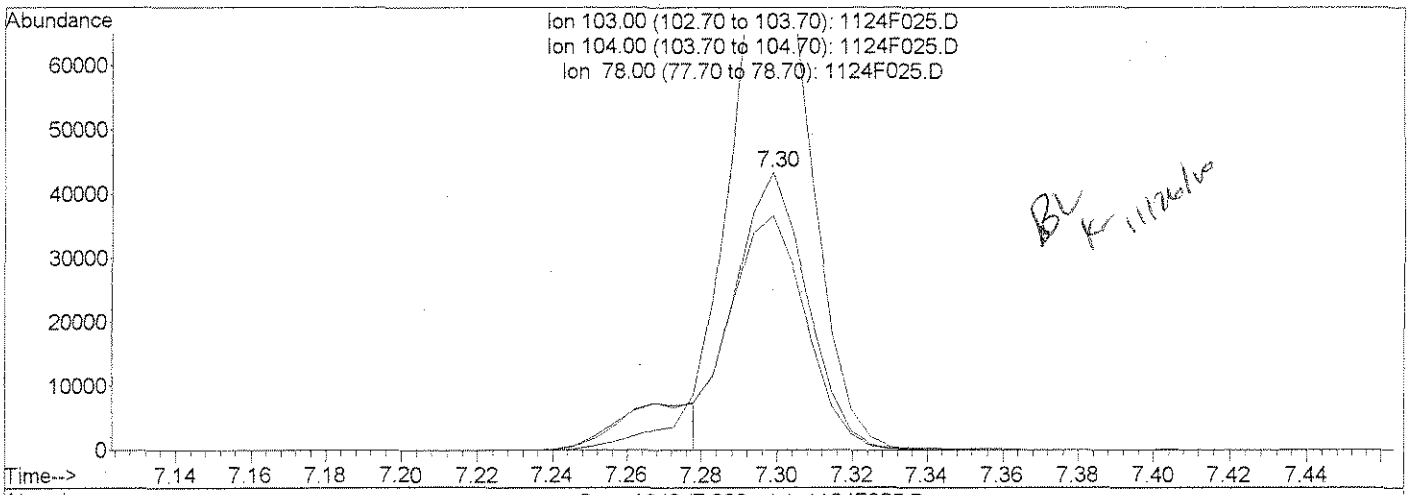
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	204.85
78.00	76.90	84.32
0.00	0.00	0.00

Quantitation Report (Qedit)

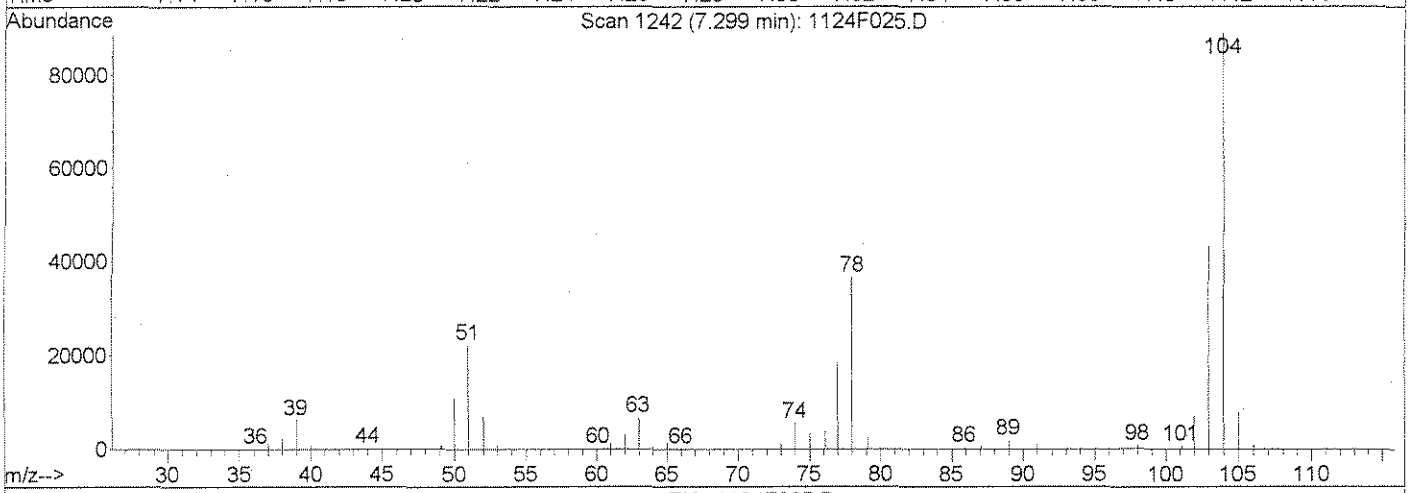
Data File : J:\MS24\DATA\112410\1124F025.D
Acq On : 24 Nov 2010 7:42 pm
Sample : K1012914-001MS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:41 2010

Vial: 17
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration



BL KR 11/24/10



TIC: 1124F025.D

(73) Styrene (T)

7.30min 39.79PPB m

response 57952

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	204.85
78.00	76.90	84.32
0.00	0.00	0.00

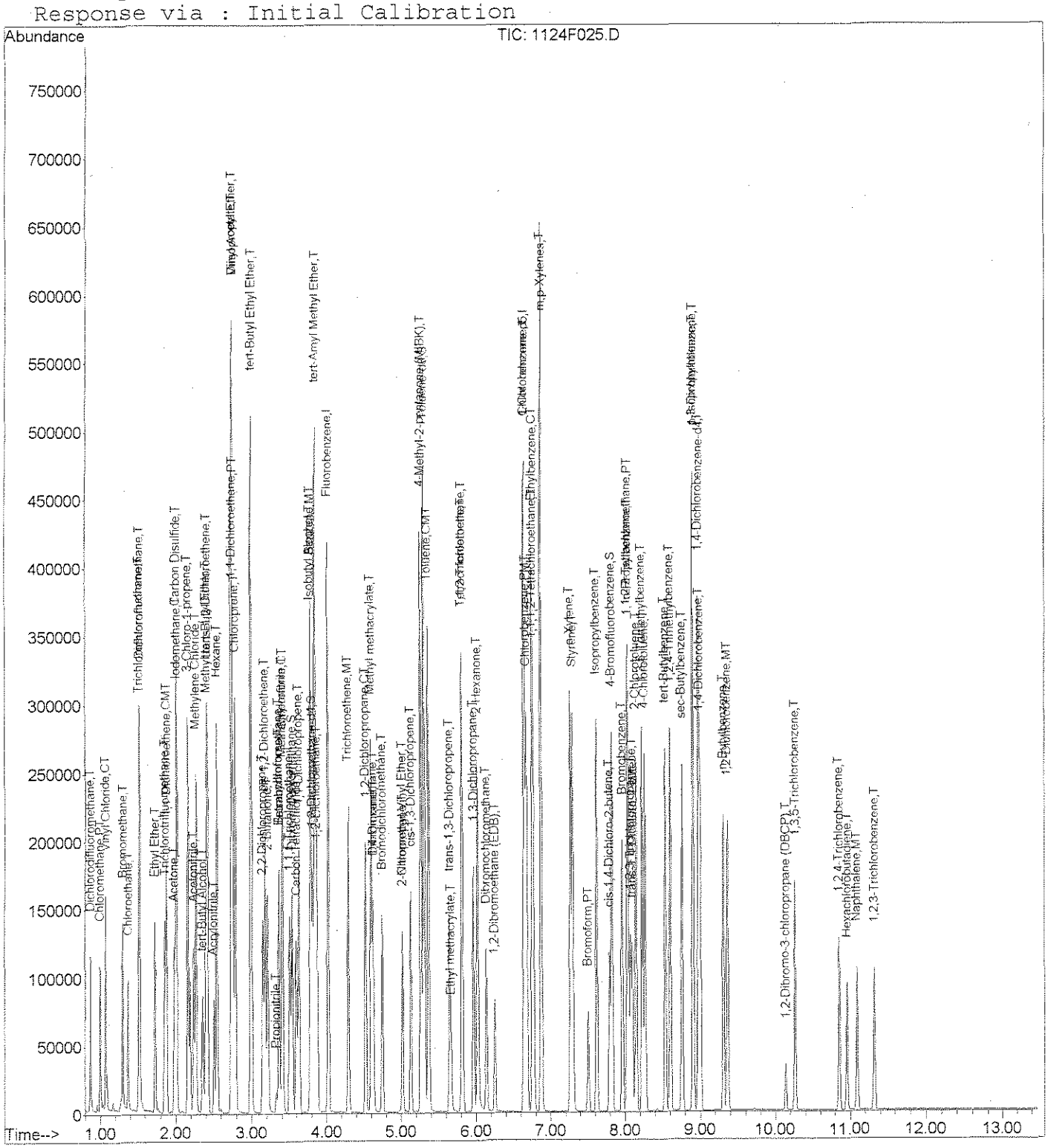
1124F025.D 111510MS24SOIL.M Fri Nov 26 08:41:55 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F025.D
Acq On : 24 Nov 2010 7:42 pm
Sample : K1012914-001MS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:41 2010

Vial: 17
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0001DMS	**Units:**	ug/Kg
Lab Code:	KWG1012941-2	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	**45.0**		6.0	0.55	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	**58.2**		6.0	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	**42.3**		6.0	0.74	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	**60.5**		6.0	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.1	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	**56.2**		6.0	0.28	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**53.9**		12	0.51	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	**95.6**		6.0	1.5	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	**54.3**		6.0	0.42	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	**54.0**		6.0	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	**54.4**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	**53.2**		6.0	0.42	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	**51.9**		6.0	0.43	1	11/24/10	11/24/10	KWG1012941	
Benzene	**52.1**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	**53.2**		6.0	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	**52.6**		6.0	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	**51.0**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	**50.8**		6.0	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	**46.5**		12	0.57	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	**44.8**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Toluene	**51.9**		6.0	0.22	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	**43.7**		6.0	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	**53.1**		6.0	0.28	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	**52.7**		6.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	**47.4**		6.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	**49.2**		6.0	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	**51.6**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromoform	**41.6**		6.0	0.36	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	**42.9**		6.0	0.43	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	**42.5**		6.0	0.29	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	**41.5**		6.0	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	**39.5**		6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	**26.7**		24	0.28	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0001DMS
Lab Code: KWG1012941-2

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	109	83-128	11/24/10	Acceptable
Toluene-d8	120	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	104	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File:	J:\MS24\DATA\112410\1124F026.D	**Date Acquired:**	11/24/2010 20:04
Lab ID:	KWG1012941-2 -- K1012914-001DMS	**Date Quantitated:**	11/26/2010 08:42
RunType:	DMS	**Batch ID:**	KWG1012930
Matrix:	SEDIMENT	**Analysis Method:**	8260B
		MethodJoinID:	MJ120

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0033	0.01	NA	NT
Second Source ICAL Verification	trans-1,4-Dichloro-2-butene	51.7	NA	30	
Continuing Calibration Recovery	tert-Butyl Alcohol	-31.4	NA	30	
	Isobutanol	-32.4	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0027	0.01	NA	
	Isobutanol	0.0073	0.01	NA	

Primary Review: Ka 11/26/10

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981962	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:			
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Method**	

Data File:	J:\MS24\DATA\112410\1124F026.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 20:04	**Quant Date:**	11/26/2010 08:42	**Vial:**	18
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG1012941-2 -- K1012914-001DMS			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	267054	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	100641	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	84577	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.54	0.01	0.00	113	65323	54.56	109	83-128 OK	
1	1,2-Dichloroethane-d4	3.81	0.00	0.00	65	78611	51.07	102	64-142 OK	
1	Toluene-d8	5.31	0.00	0.00	98	251333	59.99	120	90-125 OK	
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	80467	51.87	104	77-124 OK	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	0.87	0.01	0.00	85	39595	35.95	35.7		
1	Chloromethane	0.99		0.00	50	58298	38.01	37.7		
1	Vinyl Chloride	1.06		0.00	62	66730	49.17	48.8		
1	Bromomethane	1.29	-0.01	0.00	96	33333	35.72	35.4		
1	Chloroethane	1.36		0.00	64	45469	51.12	50.7		
1	Dichlorofluoromethane (CFC 21	1.52		0.00	67	114182	55.28	54.8		
1	Trichlorofluoromethane	1.51		0.00	101	77259	51.82	51.4		
1	Diethyl Ether	1.73		0.00	59	47093	40.62	40.3		
1	Acrolein				56	0		2.6	U	
1	Trichlorotrifluoroethane	1.86		0.00	151	31659	43.58	43.2		
1	1,1-Dichloroethene	1.88		0.00	96	41036	47.50	47.1		
1	Acetone	1.98		0.00	43	83598	176.98	176		
1	Iodomethane (Methyl Iodide)	2.00		0.00	142	83785	71.30	70.7		
1	Carbon Disulfide	2.01		0.00	76	229186	65.97	65.4		

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N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F026.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 20:04	**Quant Date:**	11/26/2010 08:42	**Vial:**	18
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG1012941-2 -- K1012914-001DMS			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.16		0.00	76	43045	70.38	69.8		
1	Acetonitrile	2.23		0.00	40	48383	525.71	522		
1	Methylene Chloride	2.27		0.00	84	63038	45.49	45.1		
1	tert-Butyl Alcohol	2.35		0.00	59	54556	429.88	426		
1	Acrylonitrile	2.50		0.00	53	39093	80.77	80.1		
1	Methyl tert-Butyl Ether	2.40		0.00	73	146783	43.04	42.7		
1	trans-1,2-Dichloroethene	2.42	0.01	0.00	96	49723	45.88	45.5		
1	n-Hexane	2.54		0.00	57	85802	61.33	60.8		
1	Diisopropyl Ether	2.73		0.00	45	342017	87.67	87.0		
1	1,1-Dichloroethane	2.75		0.00	63	94820	45.61	45.2		
1	Vinyl Acetate	2.73	-0.05	-0.01	86	639	2.77	2.75	J	
1	Chloroprene	2.78		0.00	53	111760	66.60	66.1		
1	tert-Butyl Ethyl Ether	2.99		0.00	59	295513	86.08	85.4		
1	2,2-Dichloropropane	3.15		0.00	77	49469	42.00	41.7		
1	cis-1,2-Dichloroethene	3.18		0.00	96	56325	44.16	43.8		
1	2-Butanone (MEK)	3.21		0.00	72	32840	190.16	189		
1	Propionitrile	3.32		0.00	54	9785	49.90	49.5		
1	Methacrylonitrile	3.40		0.00	67	25255	44.65	44.3		
1	Bromochloromethane	3.36		0.00	128	29005	43.44	43.1		
1	Tetrahydrofuran	3.36			71	1024	5.78	5.73		
1	Chloroform	3.41		0.00	83	94079	45.92	45.6		
1	1,1,1-Trichloroethane (TCA)	3.50		0.00	97	62862	44.96	44.6		
1	Carbon Tetrachloride	3.59		0.00	117	54410	43.84	43.5		
1	1,1-Dichloropropene	3.63		0.00	75	62431	44.83	44.5		
1	Isobutanol	3.78		0.00	43	26970	470.02	466		
1	Benzene	3.79		0.00	78	202546	44.05	43.7		
1	1,2-Dichloroethane (EDC)	3.87		0.00	62	77038	44.93	44.6		
1	tert-Amyl Methyl Ether	3.84		0.00	55	107805	93.80	93.1		
1	Trichloroethene (TCE)	4.29		0.00	95	51129	44.39	44.0		
1	1,2-Dichloropropane	4.53		0.00	63	51909	43.06	42.7		
1	Dibromomethane	4.62		0.00	93	34574	42.73	42.4		
1	Methyl Methacrylate	4.60		0.00	69	77500	86.61	85.9		
1	1,4-Dioxane	4.62		0.00	88	12499	714.60	709		
1	Bromodichloromethane	4.75		0.00	83	68272	42.93	42.6		
1	2-Nitropropane	5.02		0.00	41	19635	66.84	66.3		
1	2-Chloroethyl Vinyl Ether	5.02		0.00	63	29865	39.26	38.9		
1	cis-1,3-Dichloropropene	5.13		0.00	75	68413	37.83	37.5		
1	4-Methyl-2-pentanone (MIBK)	5.26		0.00	58	95159	200.34	199		
1	Toluene	5.36		0.00	92	116901	43.80	43.5		
2	trans-1,3-Dichloropropene	5.65		0.00	75	54877	36.88	36.6		
2	Ethyl Methacrylate	5.67		0.00	69	15840	11.29	11.2	J	
2	1,1,2-Trichloroethane	5.81		0.00	83	41564	44.86	44.5		

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Data File:	J:\MS24\DATA\112410\1124F026.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 20:04	**Quant Date:**	11/26/2010 08:42	**Vial:**	18
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG1012941-2 -- K1012914-001DMS			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	Tetrachloroethene (PCE)	5.82		0.00	164	35285	44.52	44.2		
2	2-Hexanone	6.02		0.00	57	25417	167.08	166		
2	1,3-Dichloropropane	5.97		0.00	76	81964	43.19	42.8		
2	Dibromochloromethane	6.13		0.00	129	47156	40.03	39.7		
2	1,2-Dibromoethane (EDB)	6.25		0.00	107	43084	41.65	41.3		
2	1-Chlorohexane	6.64		0.00	91	47471	39.22	38.9		
2	Chlorobenzene	6.68		0.00	112	123854	41.53	41.2		
2	Ethylbenzene	6.76		0.00	106	61753	43.55	43.2		
2	1,1,1,2-Tetrachloroethane	6.77		0.00	131	42477	40.37	40.0		
2	m,p-Xylenes	6.87		0.00	106	148624	85.72	85.0		
2	o-Xylene	7.27		0.00	106	70782	41.45	41.1		
2	Styrene	7.30		0.00	103	55000m	38.05	37.7		
2	Bromoform	7.51		0.00	173	27710	35.12	34.8		
2	Isopropylbenzene	7.62		0.00	105	166149	43.73	43.4		
2	cis-1,4-Dichloro-2-butene	7.80		0.00	89	8428	44.73	44.4		
3	1,1,2,2-Tetrachloroethane	8.03		0.00	83	48562	36.20	35.9		
3	trans-1,4-Dichloro-2-butene	8.10		0.00	53	22456	84.53	83.9		
3	Bromobenzene	7.96		0.00	156	45866	39.14	38.8		
3	n-Propylbenzene	8.04		0.00	91	195091	41.83	41.5		
3	1,2,3-Trichloropropane	8.07		0.00	110	16798	42.61	42.3		
3	2-Chlorotoluene	8.15		0.00	91	122072	40.70	40.4		
3	1,3,5-Trimethylbenzene	8.23		0.00	105	131319	40.06	39.7		
3	4-Chlorotoluene	8.27		0.00	91	123986	39.91	39.6		
3	tert-Butylbenzene	8.54		0.00	119	108457	40.40	40.1		
3	1,2,4-Trimethylbenzene	8.60		0.00	105	128962	37.95	37.6		
3	sec-Butylbenzene	8.76		0.00	105	149596	37.24	36.9		
3	4-Isopropyltoluene	8.90		0.00	119	122008	35.72	35.4		
3	1,3-Dichlorobenzene	8.90		0.00	146	76503	35.92	35.6		
3	1,4-Dichlorobenzene	9.00		0.00	146	77548	35.09	34.8		
3	n-Butylbenzene	9.30	-0.01	0.00	91	101985	32.96	32.7		
3	1,2-Dichlorobenzene	9.36		0.00	146	70520	33.35	33.1		
3	1,2-Dibromo-3-chloropropane	10.14		0.00	155	6178	30.36	30.1		
3	1,2,4-Trichlorobenzene	10.86		0.00	180	31464	22.54	22.4		
3	Hexachlorobutadiene	10.96		0.00	225	16675	23.28	23.1		
3	Naphthalene	11.09		0.00	128	66697	19.12	19.0	J	
3	1,2,3-Trichlorobenzene	11.32		0.00	180	28279	19.90	19.7	J	
	4-Vinyl-1-cyclohexene				0	0		5.0	U	NR
	Benzyl Chloride				0	0		5.0	U	NR
	1,3-Butadiene				0	0		1.0	U	NR
	2-Methylpentane				0	0		5.0	U	NR
	Cyclohexanone				0	0		9.9	U	NR
	Ethyl Acetate				0	0		20	U	NR

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Data File:	J:\MS24\DATA\112410\1124F026.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 20:04	**Quant Date:**	11/26/2010 08:42	**Vial:**	18
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG1012941-2 -- K1012914-001DMS			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
n-Heptane			0	0		5.0	U	NR
2,2-Dichloro-1,1,1-trifluoroetha			0	0		5.0	U	NR
1,1,2-Trifluoroethane			0	0		10	U	NR
2,2,4-Trimethylpentane			0	0		5.0	U	NR
Ethyl Alcohol			0	0		200	U	NR
2-Propanol			0	0		200	U	NR
Hexachloroethane			0	0		1.0	U	NR
n-Butyl Alcohol			0	0		250	U	NR
3-Methylpentane			0	0		5.0	U	NR
Methylcyclopentane			0	0		5.0	U	NR

Prep Amount:	5.04 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

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E: Analyte concentration above high point of ICAL
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m: Manual integration performed
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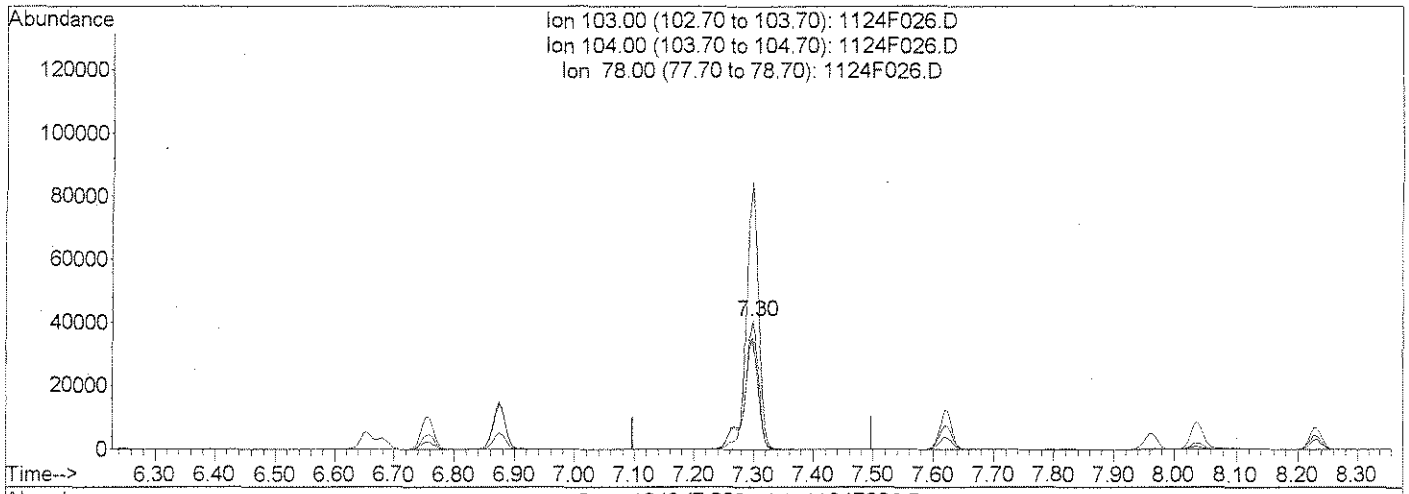
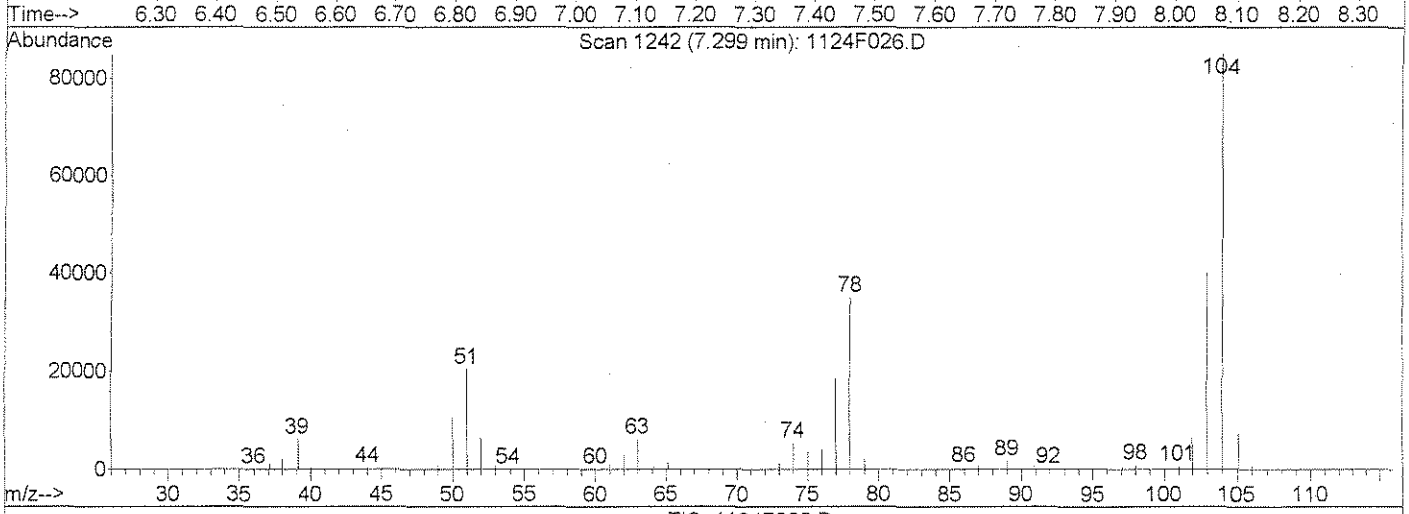
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F026.D Vial: 18
Acq On : 24 Nov 2010 8:04 pm Operator: KR
Sample : K1012914-001DMS Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 26 8:42 2010 Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





TIC: 1124F026.D

(73) Styrene (T)

7.30min 44.88PPB

response 64876

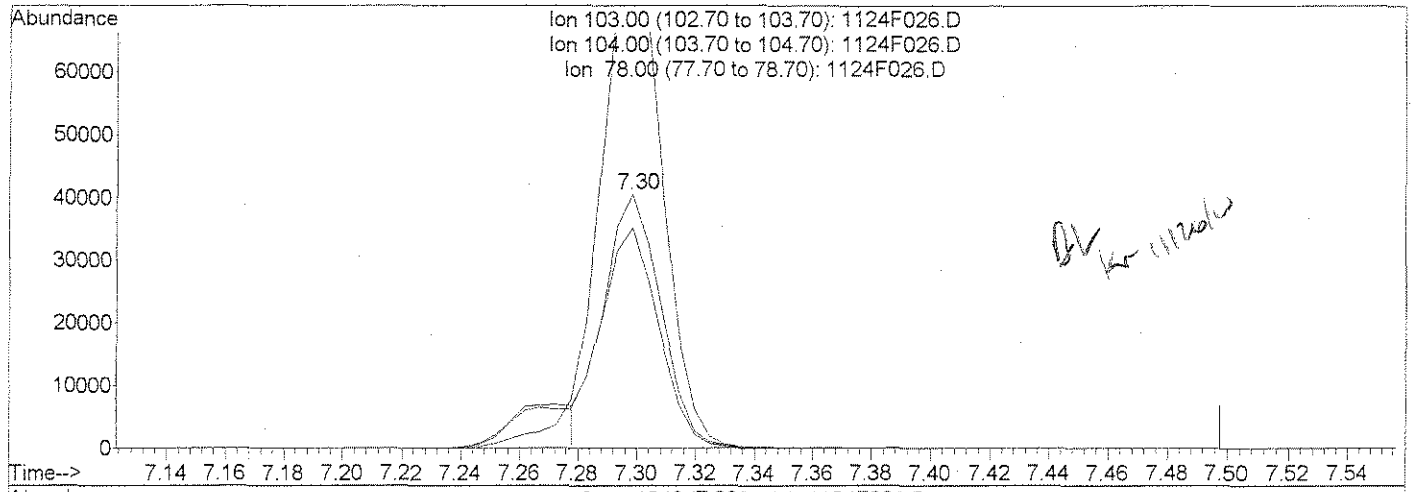
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	210.04
78.00	76.90	86.89
0.00	0.00	0.00

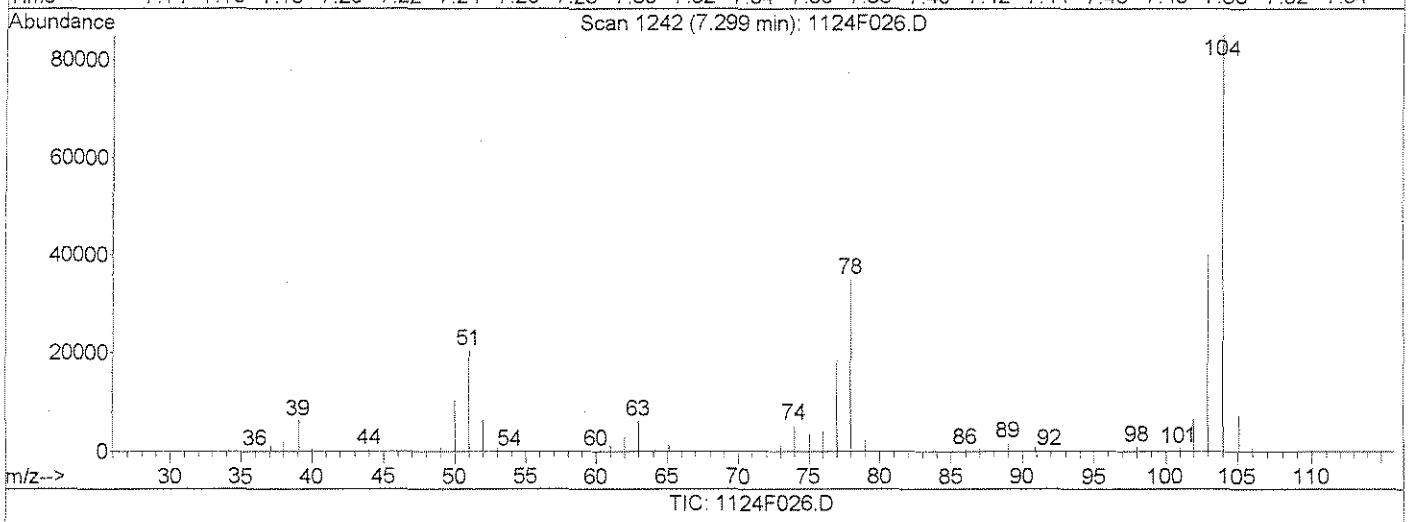
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F026.D
Acq On : 24 Nov 2010 8:04 pm
Sample : K1012914-001DMS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:42 2010

Vial: 18
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





TIC: 1124F026.D

(73) Styrene (T)

7.30min 38.05PPB m

response 55000

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	210.04
78.00	76.90	86.89
0.00	0.00	0.00

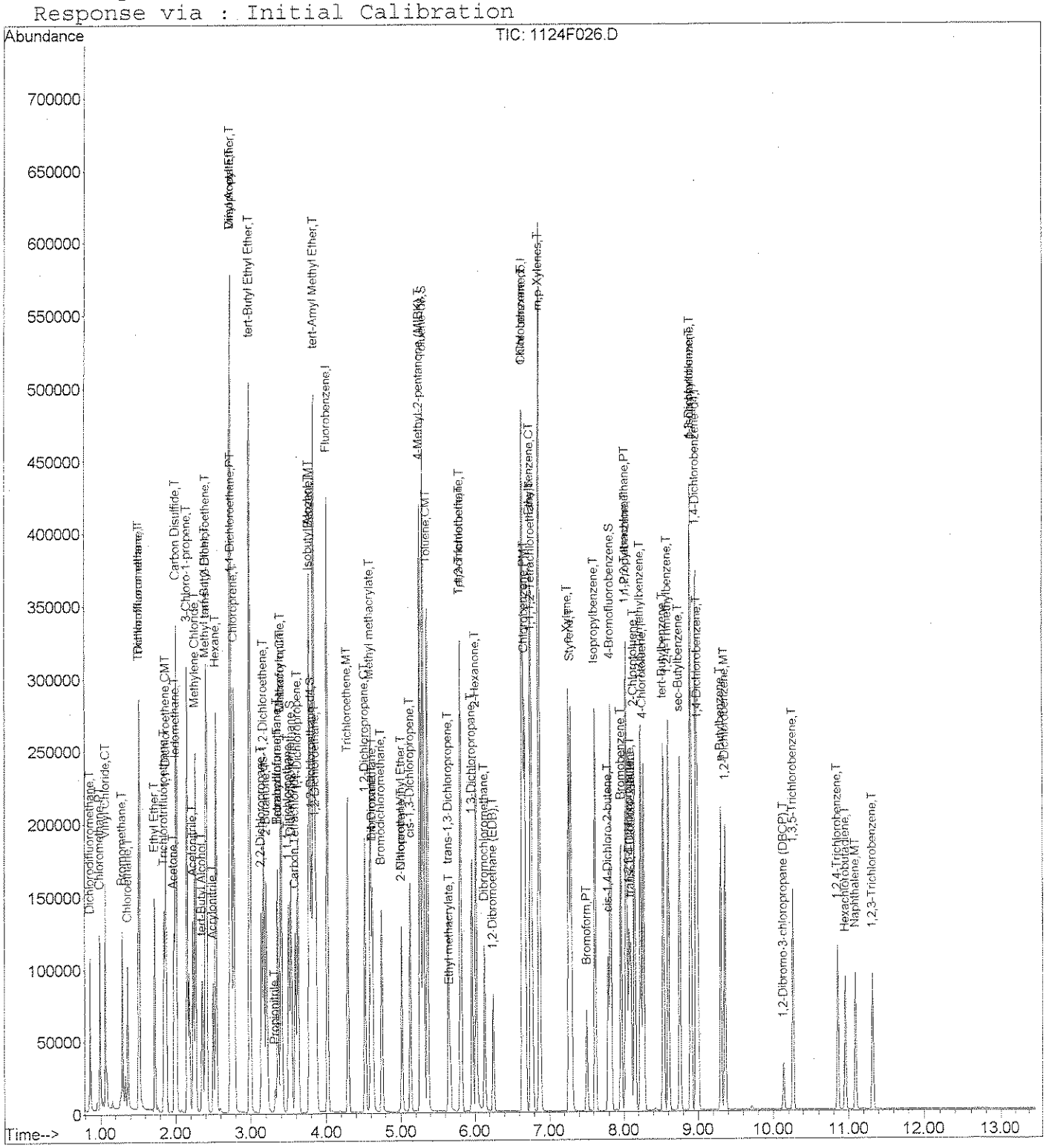
1124F026.D 111510MS24SOIL.M Fri Nov 26 08:42:39 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F026.D
Acq On : 24 Nov 2010 8:04 pm
Sample : K1012914-001DMS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:42 2010

Vial: 18
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Lab Control Sample
Lab Code: KWG1012941-3

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 5030A
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	**36.3**		5.0	0.46	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	**44.1**		5.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	**40.4**		5.0	0.62	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	**48.4**		5.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Acrolein	**97.3**		20	2.6	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	**43.7**		5.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**44.5**		10	0.43	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	**128**		5.0	1.2	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	**44.2**		5.0	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	**44.2**		5.0	0.20	1	11/24/10	11/24/10	KWG1012941	
Chloroform	**46.5**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	**43.7**		5.0	0.35	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	**43.1**		5.0	0.36	1	11/24/10	11/24/10	KWG1012941	
Benzene	**44.3**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	**47.0**		5.0	0.15	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	**45.0**		5.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	**44.6**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	**44.5**		5.0	0.15	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	**44.9**		10	0.48	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	**44.0**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Toluene	**45.7**		5.0	0.18	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	**40.6**		5.0	0.34	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	**46.4**		5.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	**43.6**		5.0	0.26	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	**42.8**		5.0	0.19	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	**44.4**		5.0	0.25	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	**45.2**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Bromoform	**41.9**		5.0	0.30	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	**41.1**		5.0	0.36	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	**43.5**		5.0	0.24	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	**42.6**		5.0	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	**42.7**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	**38.1**		20	0.23	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Lab Control Sample
Lab Code: KWG1012941-3

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	122	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	107	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File: J:\MS24\DATA\112410\1124F028.D
Lab ID: KWG1012941-3
RunType: LCS
Matrix: SEDIMENT

Date Acquired: 11/24/2010 20:46
Date Quantitated: 11/26/2010 08:43
Batch ID: KWG1012930
Analysis Method: 8260B
MethodJoinID: MJ120

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0033	0.01	NA	NC
Second Source ICAL Verification	trans-1,4-Dichloro-2-butene	51.7	NA	30	
Continuing Calibration Recovery	tert-Butyl Alcohol	-31.4	NA	30	
	Isobutanol	-32.4	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0027	0.01	NA	
	Isobutanol	0.0073	0.01	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981963	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:			
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Method**	

Data File:	J:\MS24\DATA\112410\1124F028.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 20:46	**Quant Date:**	11/26/2010 08:43	**Vial:**	20
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG1012941-3			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	269601	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	106408	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	95002	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	66805	55.27	111	83-128	OK	
1	1,2-Dichloroethane-d4	3.81	0.00	0.00	65	80424	51.75	104	64-142	OK	
1	Toluene-d8	5.31	0.00	0.00	98	258577	61.14	122	90-125	OK	
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	87385	53.28	107	77-124	OK	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	0.86		0.00	85	35281	31.73	31.7		
1	Chloromethane	0.99		0.00	50	56158	36.27	36.3		
1	Vinyl Chloride	1.06		0.00	62	60437	44.12	44.1		
1	Bromomethane	1.29	-0.01	0.00	96	38032	40.38	40.4		
1	Chloroethane	1.36		0.00	64	43431	48.37	48.4		
1	Dichlorofluoromethane (CFC 21	1.52		0.00	67	106562	51.10	51.1		
1	Trichlorofluoromethane	1.51		0.00	101	71100	47.24	47.2		
1	Diethyl Ether	1.73		0.00	59	47772	40.82	40.8		
1	Acrolein	1.87		0.00	56	22465	97.32	97.3	J	
1	Trichlorotrifluoroethane	1.86		0.00	151	29373	40.05	40.1		
1	1,1-Dichloroethene	1.88		0.00	96	38148	43.74	43.7		
1	Acetone	1.98		0.00	43	101581	213.01	213		
1	Iodomethane (Methyl Iodide)	2.00		0.00	142	114535	96.54	96.5		
1	Carbon Disulfide	2.01		0.00	76	282829	80.64	80.6		

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d: Compound manually deleted
NR: Analyte not reported from this analysis

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#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F028.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 20:46	**Quant Date:**	11/26/2010 08:43	**Vial:**	20
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG1012941-3			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.16		0.00	76	41276	66.85	66.9		
1	Acetonitrile	2.23		0.00	40	74659	803.55	804		
1	Methylene Chloride	2.27		0.00	84	62253	44.50	44.5		
1	tert-Butyl Alcohol	2.35		0.00	59	58102	453.50	454		
1	Acrylonitrile	2.50		0.00	53	62575	128.06	128		
1	Methyl tert-Butyl Ether	2.40		0.00	73	150594	43.74	43.7		
1	trans-1,2-Dichloroethene	2.42	0.01	0.00	96	48386	44.22	44.2		
1	n-Hexane	2.54		0.00	57	89036	63.04	63.0		
1	Diisopropyl Ether	2.73		0.00	45	342087	86.86	86.9		
1	1,1-Dichloroethane	2.75		0.00	63	92739	44.18	44.2		
1	Vinyl Acetate	2.78		0.00	86	34734	149.01	149		
1	Chloroprene	2.78		0.00	53	112528	66.43	66.4		
1	tert-Butyl Ethyl Ether	2.99		0.00	59	308267	88.95	89.0		
1	2,2-Dichloropropane	3.15		0.00	77	48096	40.45	40.5		
1	cis-1,2-Dichloroethene	3.18		0.00	96	56930	44.22	44.2		
1	2-Butanone (MEK)	3.21		0.00	72	40355	231.47	231		
1	Propionitrile	3.32		0.00	54	15749	79.55	79.6		
1	Methacrylonitrile	3.40		0.00	67	45020	78.84	78.8		
1	Bromochloromethane	3.36		0.00	128	30040	44.56	44.6		
1	Tetrahydrofuran	3.36			71	1068	5.97	5.97		
1	Chloroform	3.41		0.00	83	96169	46.49	46.5		
1	1,1,1-Trichloroethane (TCA)	3.50		0.00	97	61663	43.69	43.7		
1	Carbon Tetrachloride	3.59		0.00	117	54042	43.13	43.1		
1	1,1-Dichloropropene	3.63		0.00	75	61424	43.69	43.7		
1	Isobutanol	3.78		0.00	43	40259	694.99	695		
1	Benzene	3.79		0.00	78	205820	44.34	44.3		
1	1,2-Dichloroethane (EDC)	3.87		0.00	62	81356	47.00	47.0		
1	tert-Amyl Methyl Ether	3.84		0.00	55	113724	98.02	98.0		
1	Trichloroethene (TCE)	4.29		0.00	95	52261	44.95	45.0		
1	1,2-Dichloropropane	4.53		0.00	63	54254	44.58	44.6		
1	Dibromomethane	4.62		0.00	93	36943	45.23	45.2		
1	Methyl Methacrylate	4.60		0.00	69	68215	75.51	75.5		
1	1,4-Dioxane	4.62		0.00	88	14939	846.03	846		
1	Bromodichloromethane	4.75		0.00	83	71508	44.54	44.5		
1	2-Nitropropane	5.02		0.00	41	23012	77.59	77.6		
1	2-Chloroethyl Vinyl Ether	5.02		0.00	63	34517	44.94	44.9		
1	cis-1,3-Dichloropropene	5.13		0.00	75	80394	44.04	44.0		
1	4-Methyl-2-pentanone (MIBK)	5.26		0.00	58	115732	241.35	241		
1	Toluene	5.36		0.00	92	123134	45.70	45.7		
2	trans-1,3-Dichloropropene	5.65		0.00	75	63926	40.63	40.6		
2	Ethyl Methacrylate	5.67		0.00	69	121636	81.98	82.0		
2	1,1,2-Trichloroethane	5.81		0.00	83	45482	46.42	46.4		

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#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
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c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F028.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 20:46	**Quant Date:**	11/26/2010 08:43	**Vial:**	20
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG1012941-3			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	Tetrachloroethene (PCE)	5.82		0.00	164	36524	43.59	43.6		
2	2-Hexanone	6.02		0.00	57	36927	229.59	230		
2	1,3-Dichloropropane	5.97		0.00	76	90620	45.16	45.2		
2	Dibromochloromethane	6.13		0.00	129	53292	42.79	42.8		
2	1,2-Dibromoethane (EDB)	6.25		0.00	107	49707	45.44	45.4		
2	1-Chlorohexane	6.64		0.00	91	53723	41.98	42.0		
2	Chlorobenzene	6.68		0.00	112	140041	44.41	44.4		
2	Ethylbenzene	6.76		0.00	106	67815	45.24	45.2		
2	1,1,1,2-Tetrachloroethane	6.77		0.00	131	47554	42.75	42.8		
2	m,p-Xylenes	6.87		0.00	106	165450	90.25	90.3		
2	o-Xylene	7.27		0.00	106	80150	44.39	44.4		
2	Styrene	7.30		0.00	103	68422m	44.77	44.8		
2	Bromoform	7.51		0.00	173	34922	41.87	41.9		
2	Isopropylbenzene	7.62		0.00	105	189285	47.12	47.1		
2	cis-1,4-Dichloro-2-butene	7.79	-0.01	0.00	89	13446	67.49	67.5		
3	1,1,2,2-Tetrachloroethane	8.03		0.00	83	61850	41.05	41.1		
3	trans-1,4-Dichloro-2-butene	8.10		0.00	53	33358	111.79	112		
3	Bromobenzene	7.96		0.00	156	57882	43.97	44.0		
3	n-Propylbenzene	8.04		0.00	91	229575	43.83	43.8		
3	1,2,3-Trichloropropane	8.07		0.00	110	20364	45.99	46.0		
3	2-Chlorotoluene	8.15		0.00	91	150834	44.78	44.8		
3	1,3,5-Trimethylbenzene	8.23		0.00	105	162189	44.04	44.0		
3	4-Chlorotoluene	8.27		0.00	91	153762	44.06	44.1		
3	tert-Butylbenzene	8.54		0.00	119	133793	44.37	44.4		
3	1,2,4-Trimethylbenzene	8.60		0.00	105	160560	42.07	42.1		
3	sec-Butylbenzene	8.76		0.00	105	190716	42.27	42.3		
3	4-Isopropyltoluene	8.90		0.00	119	157454	41.04	41.0		
3	1,3-Dichlorobenzene	8.90		0.00	146	104093	43.51	43.5		
3	1,4-Dichlorobenzene	9.00		0.00	146	105630	42.55	42.6		
3	n-Butylbenzene	9.31		0.00	91	139138	40.03	40.0		
3	1,2-Dichlorobenzene	9.36		0.00	146	101460	42.72	42.7		
3	1,2-Dibromo-3-chloropropane	10.14		0.00	155	9002	39.38	39.4		
3	1,2,4-Trichlorobenzene	10.86		0.00	180	59708	38.09	38.1		
3	Hexachlorobutadiene	10.96		0.00	225	30043	37.34	37.3		
3	Naphthalene	11.09		0.00	128	146637	37.41	37.4		
3	1,2,3-Trichlorobenzene	11.32		0.00	180	62888	39.40	39.4		
	4-Vinyl-1-cyclohexene				0	0		5.0	U	NR
	Benzyl Chloride				0	0		5.0	U	NR
	1,3-Butadiene				0	0		1.0	U	NR
	2-Methylpentane				0	0		5.0	U	NR
	Cyclohexanone				0	0		10	U	NR
	Ethyl Acetate				0	0		20	U	NR

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Data File:	J:\MS24\DATA\112410\1124F028.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 20:46	**Quant Date:**	11/26/2010 08:43	**Vial:**	20
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG1012941-3			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
n-Heptane			0	0		5.0	U	NR
2,2-Dichloro-1,1,1-trifluoroetha			0	0		5.0	U	NR
1,1,2-Trifluoroethane			0	0		10	U	NR
2,2,4-Trimethylpentane			0	0		5.0	U	NR
Ethyl Alcohol			0	0		200	U	NR
2-Propanol			0	0		200	U	NR
Hexachloroethane			0	0		1.0	U	NR
n-Butyl Alcohol			0	0		250	U	NR
3-Methylpentane			0	0		5.0	U	NR
Methylcyclopentane			0	0		5.0	U	NR

Prep Amount:	5.00 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

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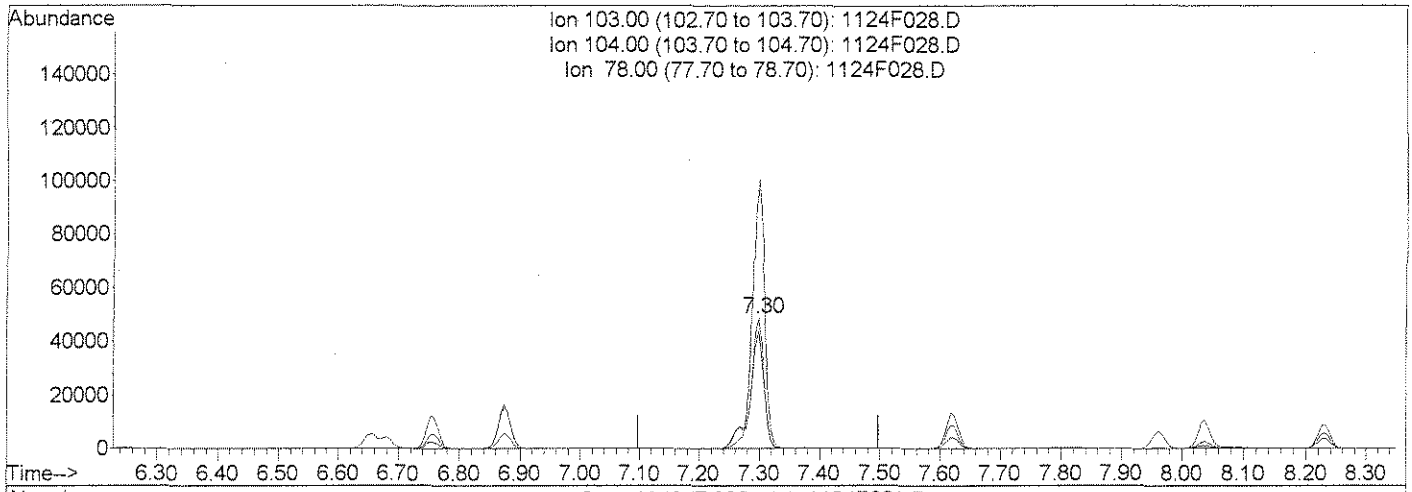
c: check for co-elution

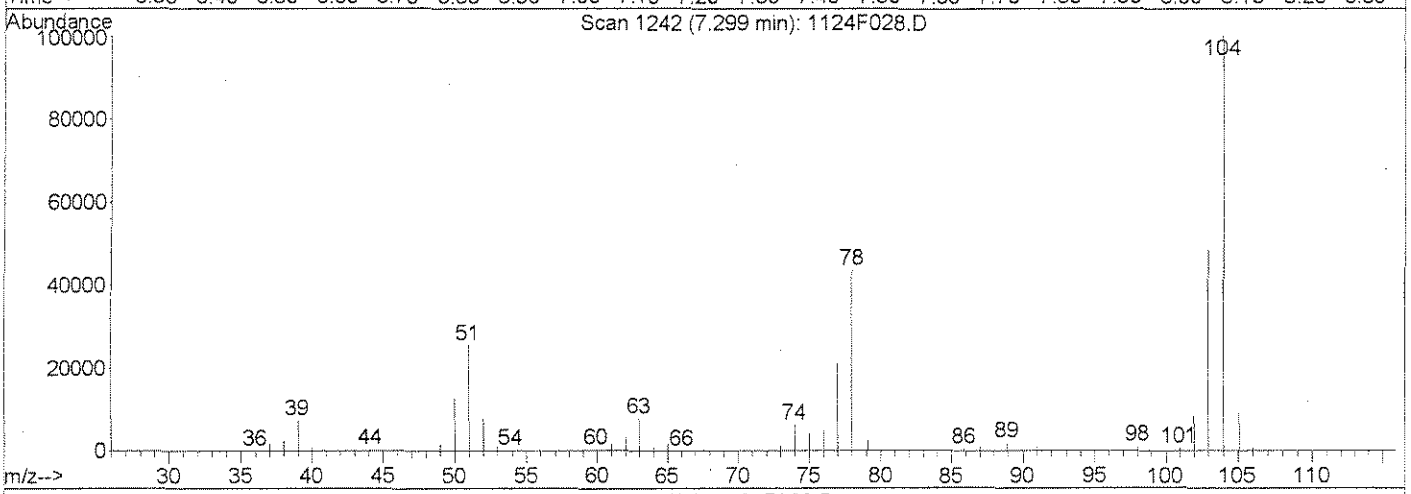
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F028.D
Acq On : 24 Nov 2010 8:46 pm
Sample : LCS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:42 2010

Vial: 20
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





TIC: 1124F028.D

(73) Styrene (T)

7.30min 50.76PPB

response 77567

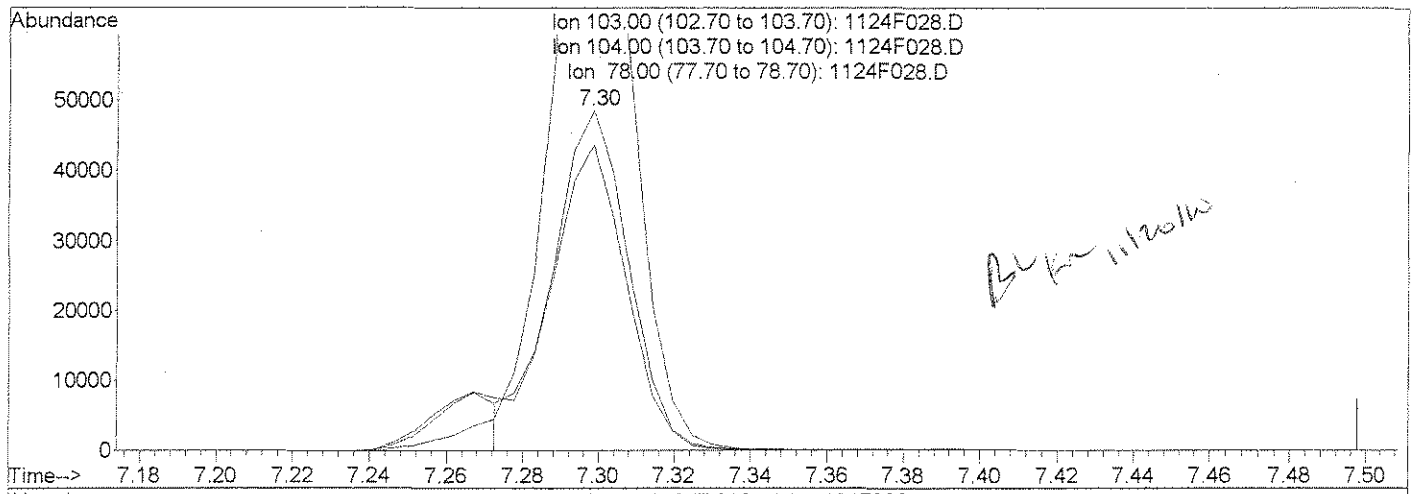
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	206.88
78.00	76.90	90.02
0.00	0.00	0.00

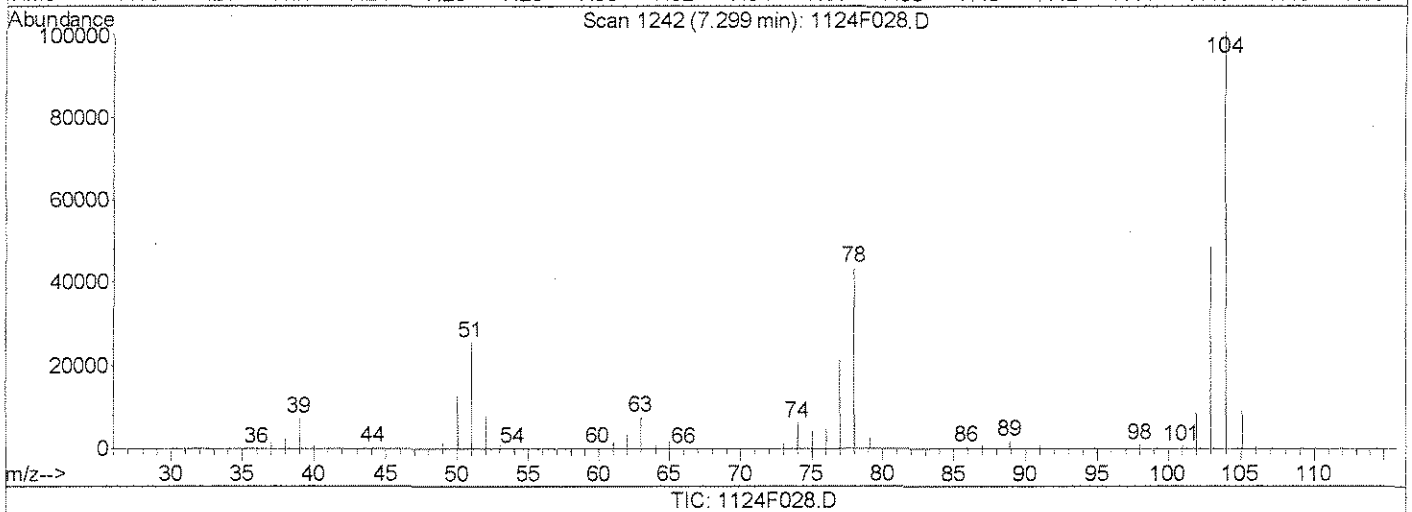
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F028.D
Acq On : 24 Nov 2010 8:46 pm
Sample : LCS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:43 2010

Vial: 20
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





TIC: 1124F028.D

(73) Styrene (T)

7.30min 44.77PPB m

response 68422

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	206.88
78.00	76.90	90.02
0.00	0.00	0.00

1124F028.D 111510MS24SOIL.M Fri Nov 26 08:43:14 2010

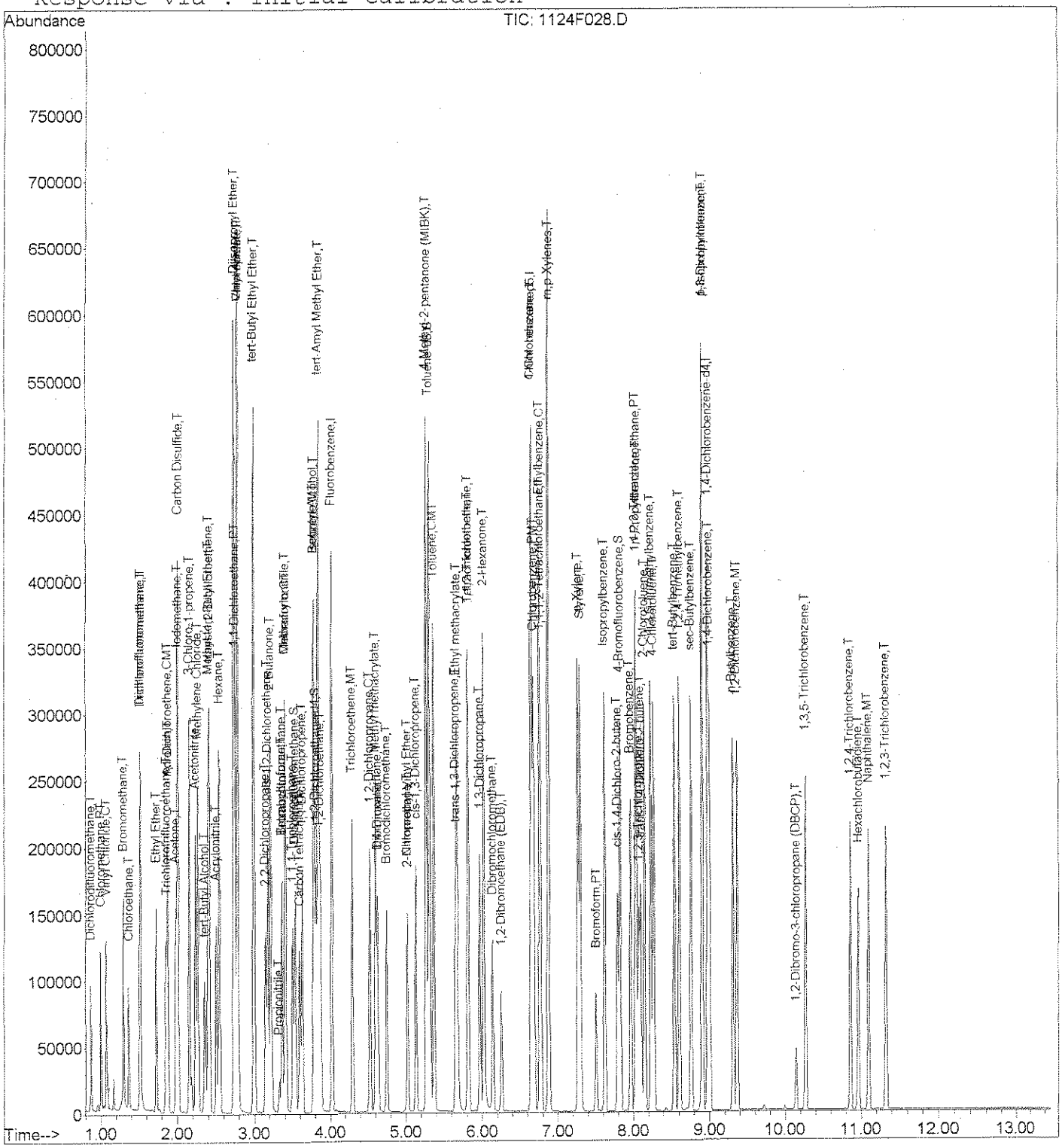
Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F028.D
Acq On : 24 Nov 2010 8:46 pm
Sample : LCS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:43 2010

Vial: 20
Operator: KR
Inst : MS24
Multiplr: 1.00

Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG1012941-4

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 5030A
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	**36.8**		5.0	0.46	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	**44.0**		5.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	**41.4**		5.0	0.62	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	**47.7**		5.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Acrolein	**101**		20	2.6	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	**44.0**		5.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**44.4**		10	0.43	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	**125**		5.0	1.2	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	**44.2**		5.0	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	**44.2**		5.0	0.20	1	11/24/10	11/24/10	KWG1012941	
Chloroform	**46.6**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	**43.5**		5.0	0.35	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	**41.9**		5.0	0.36	1	11/24/10	11/24/10	KWG1012941	
Benzene	**44.1**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	**46.6**		5.0	0.15	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	**43.3**		5.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	**44.3**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	**44.2**		5.0	0.15	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	**44.4**		10	0.48	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	**43.3**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Toluene	**44.5**		5.0	0.18	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	**40.7**		5.0	0.34	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	**47.1**		5.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	**43.8**		5.0	0.26	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	**44.5**		5.0	0.19	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	**44.3**		5.0	0.25	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	**45.3**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Bromoform	**43.2**		5.0	0.30	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	**42.3**		5.0	0.36	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	**42.7**		5.0	0.24	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	**41.6**		5.0	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	**41.9**		5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	**36.9**		20	0.23	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Volatile Organic Compounds

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG1012941-4

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	108	83-128	11/24/10	Acceptable
Toluene-d8	120	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	106	77-124	11/24/10	Acceptable

Comments:

Exception Report

Data File:	J:\MS24\DATA\112410\1124F029.D	**Date Acquired:**	11/24/2010 21:08
Lab ID:	KWG1012941-4	**Date Quantitated:**	11/26/2010 08:43
RunType:	DLCS	**Batch ID:**	KWG1012930
Matrix:	SEDIMENT	**Analysis Method:**	8260B
		MethodJoinID:	MJ120

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA		x
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0033	0.01	NA	N
Second Source ICAL Verification	trans-1,4-Dichloro-2-butene	51.7	NA	30	
Continuing Calibration Recovery	tert-Butyl Alcohol	-31.4	NA	30	
	Isobutanol	-32.4	NA	30	
Continuing Calibration Minimum RF	1,4-Dioxane	0.0027	0.01	NA	
	Isobutanol	0.0073	0.01	NA	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8260B VOC_FP	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012930	**Prep Lot:**	KWG1012941	**Report Group:**	
Analysis Method:	8260B	**Prep Method:**	EPA 5030A		
Prep Ref:	981964	**Prep Date:**	11/24/2010		

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:			
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:	J:\MS24\DATA\112410\1124F016.D	**Quant based on Method**	

Data File:	J:\MS24\DATA\112410\1124F029.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 21:08	**Quant Date:**	11/26/2010 08:43	**Vial:**	21
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG1012941-4			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	282971	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	108552	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	97494	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	Dibromofluoromethane	3.53	0.00	0.00	113	68592	54.07	108	83-128	OK	
1	1,2-Dichloroethane-d4	3.81	0.00	0.00	65	82146	50.36	101	64-142	OK	
1	Toluene-d8	5.31	0.00	0.00	98	267119	60.18	120	90-125	OK	
2	4-Bromofluorobenzene	7.83	0.00	0.00	95	89058	53.23	106	77-124	OK	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	0.86		0.00	85	36913	31.63	31.6		
1	Chloromethane	0.99		0.00	50	59835	36.82	36.8		
1	Vinyl Chloride	1.06		0.00	62	63295	44.02	44.0		
1	Bromomethane	1.29	-0.01	0.00	96	40970	41.44	41.4		
1	Chloroethane	1.36		0.00	64	44943	47.69	47.7		
1	Dichlorofluoromethane (CFC 21	1.52		0.00	67	110601	50.53	50.5		
1	Trichlorofluoromethane	1.50	-0.01	0.00	101	73302	46.40	46.4		
1	Diethyl Ether	1.73		0.00	59	52225	42.51	42.5		
1	Acrolein	1.87		0.00	56	24421	100.79	101		
1	Trichlorotrifluoroethane	1.85	-0.01	0.00	151	30515	39.64	39.6		
1	1,1-Dichloroethene	1.88		0.00	96	40276	44.00	44.0		
1	Acetone	1.98		0.00	43	103867	207.52	208		
1	Iodomethane (Methyl Iodide)	2.00		0.00	142	122521	98.39	98.4		
1	Carbon Disulfide	2.01		0.00	76	299234	81.28	81.3		

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*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F029.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 21:08	**Quant Date:**	11/26/2010 08:43	**Vial:**	21
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG1012941-4			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.16		0.00	76	43571	67.23	67.2		
1	Acetonitrile	2.23		0.00	40	75211	771.24	771		
1	Methylene Chloride	2.27		0.00	84	65258	44.44	44.4		
1	tert-Butyl Alcohol	2.35		0.00	59	61492	457.28	457		
1	Acrylonitrile	2.50		0.00	53	64287	125.35	125		
1	Methyl tert-Butyl Ether	2.40		0.00	73	159263	44.07	44.1		
1	trans-1,2-Dichloroethene	2.41		0.00	96	50789	44.23	44.2		
1	n-Hexane	2.54		0.00	57	90600	61.12	61.1		
1	Diisopropyl Ether	2.73		0.00	45	360976	87.32	87.3		
1	1,1-Dichloroethane	2.75		0.00	63	97395	44.21	44.2		
1	Vinyl Acetate	2.78		0.00	86	42889	175.31	175		
1	Chloroprene	2.78		0.00	53	118157	66.45	66.5		
1	tert-Butyl Ethyl Ether	2.99		0.00	59	325544	89.49	89.5		
1	2,2-Dichloropropane	3.15		0.00	77	52108	41.75	41.8		
1	cis-1,2-Dichloroethene	3.18		0.00	96	59554	44.07	44.1		
1	2-Butanone (MEK)	3.21		0.00	72	41751	228.17	228		
1	Propionitrile	3.32		0.00	54	16603	79.90	79.9		
1	Methacrylonitrile	3.40		0.00	67	45717	76.28	76.3		
1	Bromochloromethane	3.36		0.00	128	31672	44.77	44.8		
1	Tetrahydrofuran	3.36			71	1107	5.89	5.89		
1	Chloroform	3.41		0.00	83	101056	46.55	46.6		
1	1,1,1-Trichloroethane (TCA)	3.50		0.00	97	64390	43.46	43.5		
1	Carbon Tetrachloride	3.59		0.00	117	55038	41.85	41.9		
1	1,1-Dichloropropene	3.63		0.00	75	63276	42.88	42.9		
1	Isobutanol	3.78		0.00	43	41341	679.95	680		
1	Benzene	3.79		0.00	78	214952	44.12	44.1		
1	1,2-Dichloroethane (EDC)	3.87		0.00	62	84642	46.58	46.6		
1	tert-Amyl Methyl Ether	3.84		0.00	55	114305	93.87	93.9		
1	Trichloroethene (TCE)	4.29		0.00	95	52847	43.30	43.3		
1	1,2-Dichloropropane	4.52	-0.01	0.00	63	56562	44.28	44.3		
1	Dibromomethane	4.62		0.00	93	38616	45.04	45.0		
1	Methyl Methacrylate	4.60		0.00	69	72817	76.80	76.8		
1	1,4-Dioxane	4.62		0.00	88	14978	808.16	808		
1	Bromodichloromethane	4.75		0.00	83	74521	44.22	44.2		
1	2-Nitropropane	5.02		0.00	41	25049	80.47	80.5		
1	2-Chloroethyl Vinyl Ether	5.02		0.00	63	35763	44.37	44.4		
1	cis-1,3-Dichloropropene	5.13		0.00	75	82920	43.27	43.3		
1	4-Methyl-2-pentanone (MIBK)	5.26		0.00	58	120724	239.86	240		
1	Toluene	5.36		0.00	92	125747	44.46	44.5		
2	trans-1,3-Dichloropropene	5.65		0.00	75	65368	40.73	40.7		
2	Ethyl Methacrylate	5.67		0.00	69	127088	83.97	84.0		
2	1,1,2-Trichloroethane	5.81		0.00	83	47060	47.09	47.1		

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e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F029.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 21:08	**Quant Date:**	11/26/2010 08:43	**Vial:**	21
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG1012941-4			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	Tetrachloroethene (PCE)	5.82		0.00	164	37452	43.81	43.8		
2	2-Hexanone	6.02		0.00	57	39065	238.09	238		
2	1,3-Dichloropropane	5.97		0.00	76	94415	46.12	46.1		
2	Dibromochloromethane	6.13		0.00	129	56505	44.47	44.5		
2	1,2-Dibromoethane (EDB)	6.25		0.00	107	51911	46.52	46.5		
2	1-Chlorohexane	6.64		0.00	91	54592	41.81	41.8		
2	Chlorobenzene	6.68		0.00	112	142498	44.30	44.3		
2	Ethylbenzene	6.76		0.00	106	69215	45.26	45.3		
2	1,1,1,2-Tetrachloroethane	6.77		0.00	131	49930	44.00	44.0		
2	m,p-Xylenes	6.87		0.00	106	167946	89.80	89.8		
2	o-Xylene	7.27		0.00	106	83475	45.32	45.3		
2	Styrene	7.30		0.00	103	71177m	45.65	45.7		
2	Bromoform	7.51		0.00	173	36742	43.18	43.2		
2	Isopropylbenzene	7.62		0.00	105	193835	47.29	47.3		
2	cis-1,4-Dichloro-2-butene	7.79	-0.01	0.00	89	14343	70.57	70.6		
3	1,1,2,2-Tetrachloroethane	8.03		0.00	83	65440	42.32	42.3		
3	trans-1,4-Dichloro-2-butene	8.10		0.00	53	35242	115.09	115		
3	Bromobenzene	7.96		0.00	156	59489	44.03	44.0		
3	n-Propylbenzene	8.04		0.00	91	231286	43.02	43.0		
3	1,2,3-Trichloropropane	8.07		0.00	110	21582	47.49	47.5		
3	2-Chlorotoluene	8.15		0.00	91	152846	44.21	44.2		
3	1,3,5-Trimethylbenzene	8.23		0.00	105	162542	43.01	43.0		
3	4-Chlorotoluene	8.27		0.00	91	155363	43.38	43.4		
3	tert-Butylbenzene	8.54		0.00	119	135805	43.89	43.9		
3	1,2,4-Trimethylbenzene	8.60		0.00	105	162424	41.47	41.5		
3	sec-Butylbenzene	8.76		0.00	105	192980	41.67	41.7		
3	4-Isopropyltoluene	8.90		0.00	119	159104	40.41	40.4		
3	1,3-Dichlorobenzene	8.90		0.00	146	104795	42.68	42.7		
3	1,4-Dichlorobenzene	9.00		0.00	146	105912	41.57	41.6		
3	n-Butylbenzene	9.31		0.00	91	142215	39.87	39.9		
3	1,2-Dichlorobenzene	9.36		0.00	146	102179	41.92	41.9		
3	1,2-Dibromo-3-chloropropane	10.14		0.00	155	9066	38.65	38.7		
3	1,2,4-Trichlorobenzene	10.86		0.00	180	59315	36.87	36.9		
3	Hexachlorobutadiene	10.96		0.00	225	30461	36.89	36.9		
3	Naphthalene	11.09		0.00	128	152452	37.90	37.9		
3	1,2,3-Trichlorobenzene	11.32		0.00	180	62094	37.91	37.9		
	4-Vinyl-1-cyclohexene				0	0		5.0	U	NR
	Benzyl Chloride				0	0		5.0	U	NR
	1,3-Butadiene				0	0		1.0	U	NR
	2-Methylpentane				0	0		5.0	U	NR
	Cyclohexanone				0	0		10	U	NR
	Ethyl Acetate				0	0		20	U	NR

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Data File:	J:\MS24\DATA\112410\1124F029.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 21:08	**Quant Date:**	11/26/2010 08:43	**Vial:**	21
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG1012941-4			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
n-Heptane			0	0		5.0	U	NR
2,2-Dichloro-1,1,1-trifluoroetha			0	0		5.0	U	NR
1,1,2-Trifluoroethane			0	0		10	U	NR
2,2,4-Trimethylpentane			0	0		5.0	U	NR
Ethyl Alcohol			0	0		200	U	NR
2-Propanol			0	0		200	U	NR
Hexachloroethane			0	0		1.0	U	NR
n-Butyl Alcohol			0	0		250	U	NR
3-Methylpentane			0	0		5.0	U	NR
Methylcyclopentane			0	0		5.0	U	NR

Prep Amount:	5.00 g	**Dilution:**	1.0
Prep Final Vol:	5.0 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

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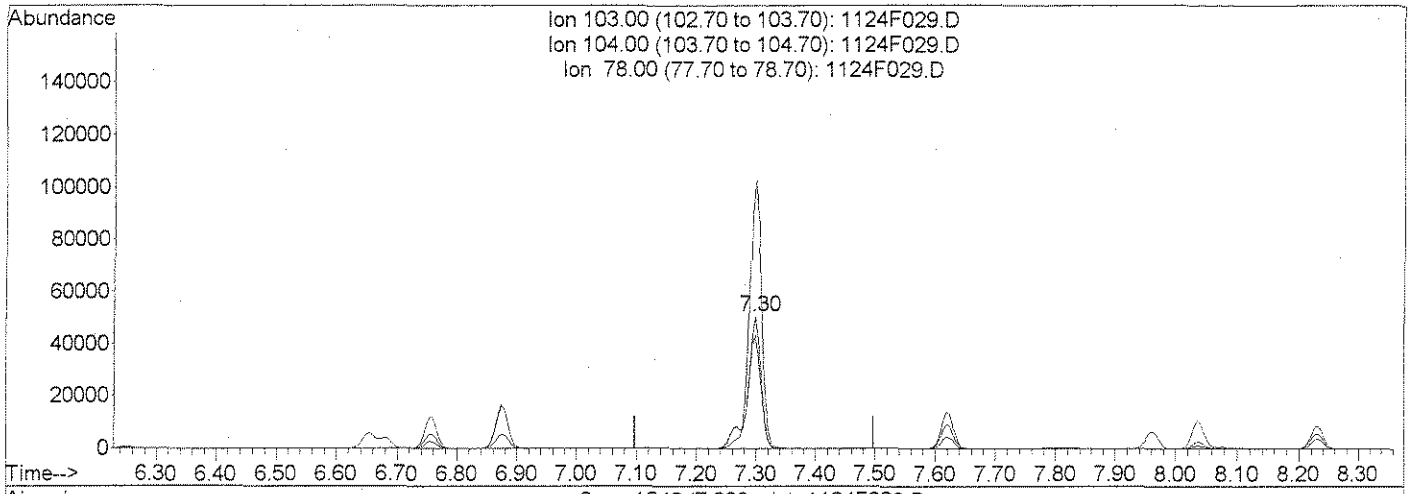
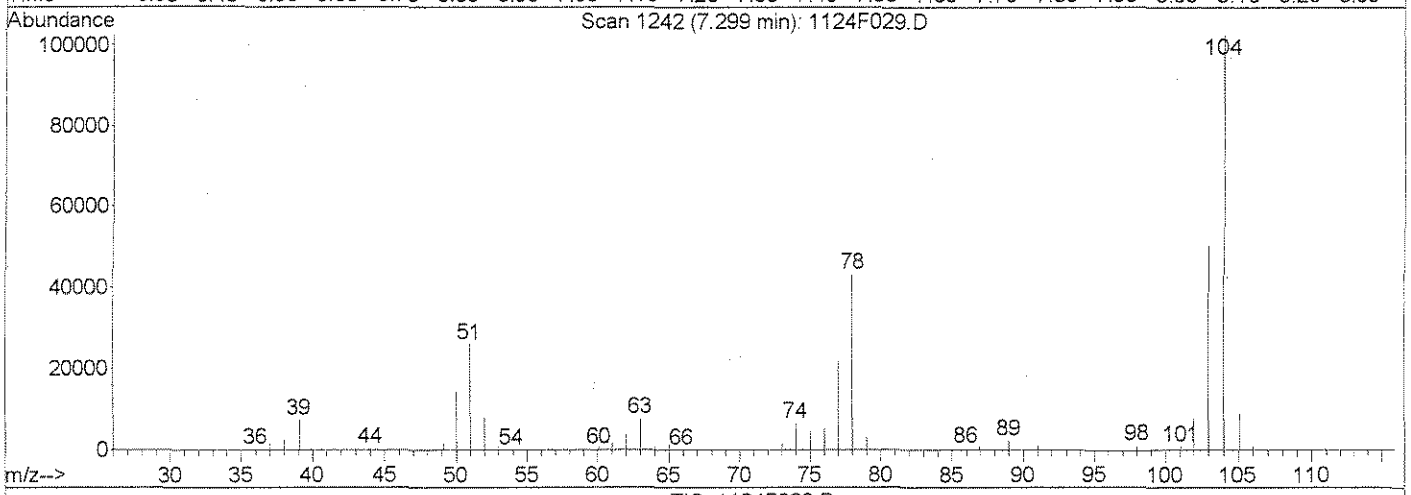
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F029.D
Acq On : 24 Nov 2010 9:08 pm
Sample : DLCS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:43 2010

Vial: 21
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





TIC: 1124F029.D

(73) Styrene (T)

7.30min 51.80PPB

response 80763

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	203.33
78.00	76.90	85.41
0.00	0.00	0.00

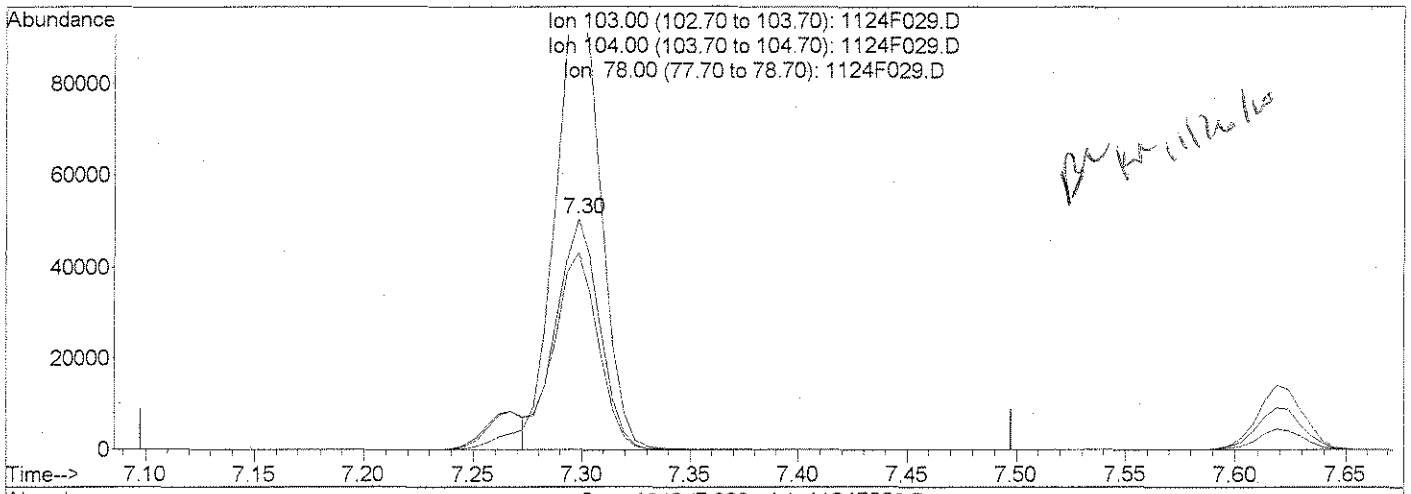
Quantitation Report (Qedit)

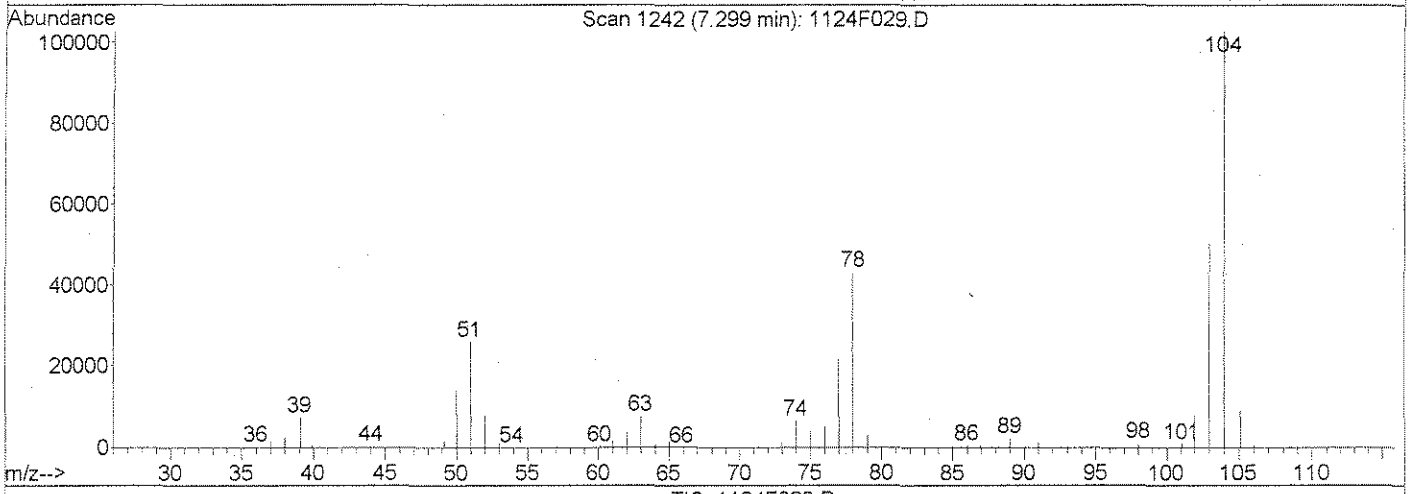
Data File : J:\MS24\DATA\112410\1124F029.D
Acq On : 24 Nov 2010 9:08 pm
Sample : DLCS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:43 2010

Vial: 21
Operator: KR
Inst : MS24
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





TIC: 1124F029.D

(73) Styrene (T)

7.30min 45.65PPB m

response 71177

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	203.33
78.00	76.90	85.41
0.00	0.00	0.00

1124F029.D 111510MS24SOIL.M Fri Nov 26 08:43:42 2010

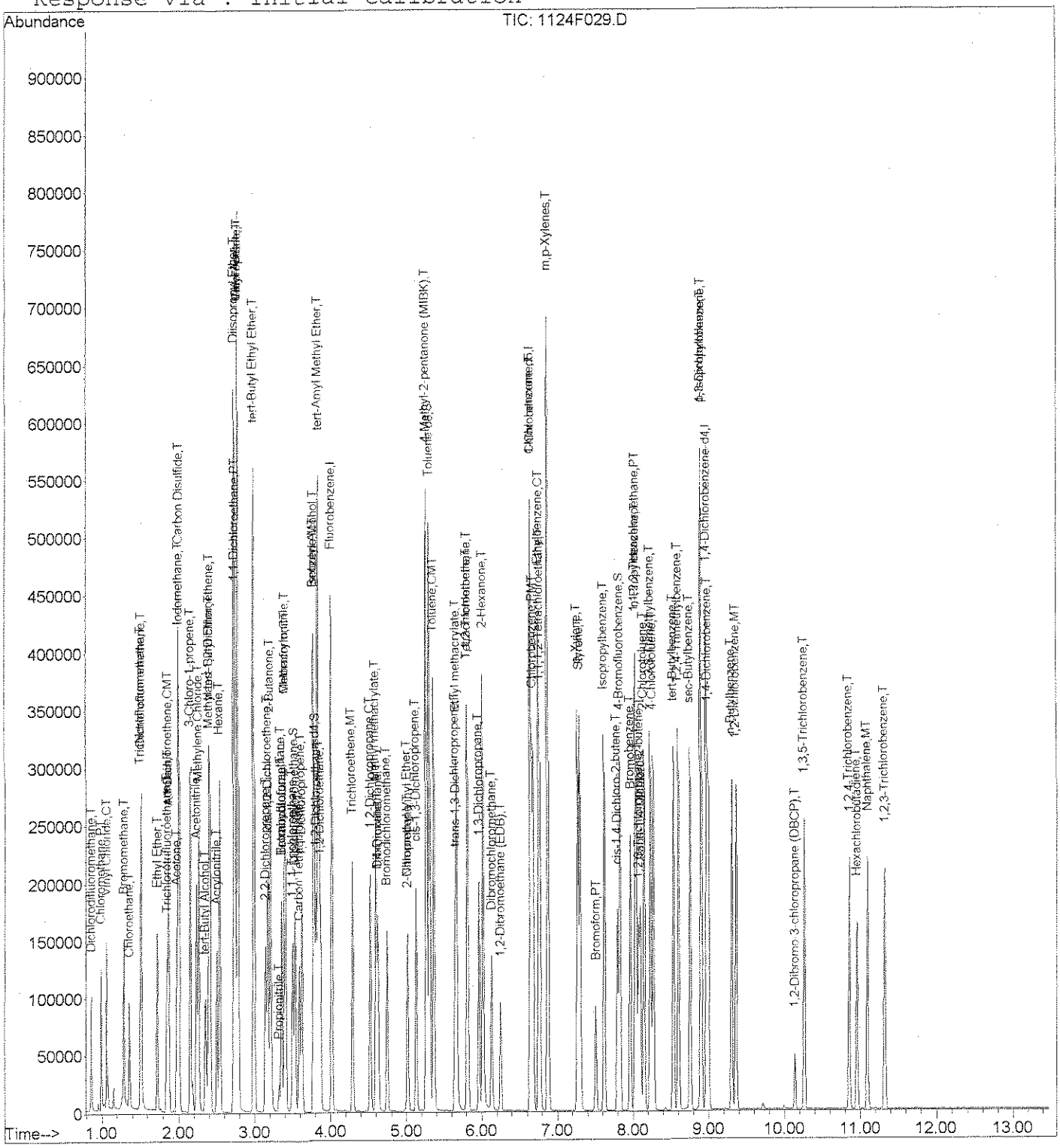
Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F029.D
Acq On : 24 Nov 2010 9:08 pm
Sample : DLCS
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 26 8:43 2010

Vial: 21
Operator: KR
Inst : MS24
Multiplr: 1.00

Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration



Organic Analysis:
Volatile Organic Compounds

Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/24/2010
Time Analyzed: 13:31

Tune Summary
Volatile Organic Compounds

File ID: J:\MS24\DATA\112410\1124F009.D
Instrument ID: MS24
Column:

Analysis Method: 8260B
Analysis Lot: KWG1012930

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.3	1246	PASS
75	95	30	60	48.7	2853	PASS
95	95	100	100	100.0	5858	PASS
96	95	5	9	6.9	402	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	91.3	5350	PASS
175	174	5	9	7.2	383	PASS
176	174	95	101	95.3	5098	PASS
177	176	5	9	6.1	309	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1012930-2	J:\MS24\DATA\112410\1124F010.D	11/24/2010	14:03	
Method Blank	KWG1012941-5	J:\MS24\DATA\112410\1124F016.D	11/24/2010	16:31	
SL0001	K1012914-001	J:\MS24\DATA\112410\1124F017.D	11/24/2010	16:52	
SL0002	K1012914-002	J:\MS24\DATA\112410\1124F018.D	11/24/2010	17:13	
SL0009	K1012914-009	J:\MS24\DATA\112410\1124F019.D	11/24/2010	17:35	
SL0010	K1012914-010	J:\MS24\DATA\112410\1124F020.D	11/24/2010	17:56	
SL0017	K1012914-016	J:\MS24\DATA\112410\1124F021.D	11/24/2010	18:17	
SL0018	K1012914-017	J:\MS24\DATA\112410\1124F022.D	11/24/2010	18:39	
SL0019	K1012914-018	J:\MS24\DATA\112410\1124F023.D	11/24/2010	19:00	
SL0020	K1012914-019	J:\MS24\DATA\112410\1124F024.D	11/24/2010	19:21	
SL0001MS	KWG1012941-1	J:\MS24\DATA\112410\1124F025.D	11/24/2010	19:42	
SL0001DMS	KWG1012941-2	J:\MS24\DATA\112410\1124F026.D	11/24/2010	20:04	
Lab Control Sample	KWG1012941-3	J:\MS24\DATA\112410\1124F028.D	11/24/2010	20:46	
Duplicate Lab Control Sample	KWG1012941-4	J:\MS24\DATA\112410\1124F029.D	11/24/2010	21:08	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Exception Report

Data File:	J:\MS24\DATA\112410\1124F009.D	**Date Acquired:**	11/24/2010 13:31
Lab ID:	KWG1012930-1	**Date Quantitated:**	
RunType:	BFB	**Batch ID:**	KWG1012930
Matrix:	SOIL	**Analysis Method:**	8260B
		MethodJoinID:	MJ120

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Ion Ratio	NA	NA	NA	x	

Primary Review: [illegible]

Secondary Review: [illegible] 25/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SOIL
Prod Code:	8260B	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012930	**Prep Lot:**		**Report Group:**	
Analysis Method:	BFB	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:	GC/MS Tuning Evaluation	**Report List ID:**	LJ774
Tune Ref:		**Method ID:**	MJ159
MB Ref:		**Quant based on Report List**	

Data File:	J:\MS24\DATA\112410\1124F009.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 13:31	**Quant Date:**		**Vial:**	1
Run Type:	BFB			**Dilution:**	1.0
Lab ID:	KWG1012930-1			**Soln Conc. Units:**	

Tune Results

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
50	95	15	40	21.3	1246	Pass
75	95	30	60	48.7	2853	Pass
95	95	100	100	100.0	5858	Pass
96	95	5	9	6.9	402	Pass
173	174	0	2	0.0	0	Pass
174	95	50	120	91.3	5350	Pass
175	174	5	9	7.2	383	Pass
176	174	95	101	95.3	5098	Pass
177	176	5	9	6.1	309	Pass

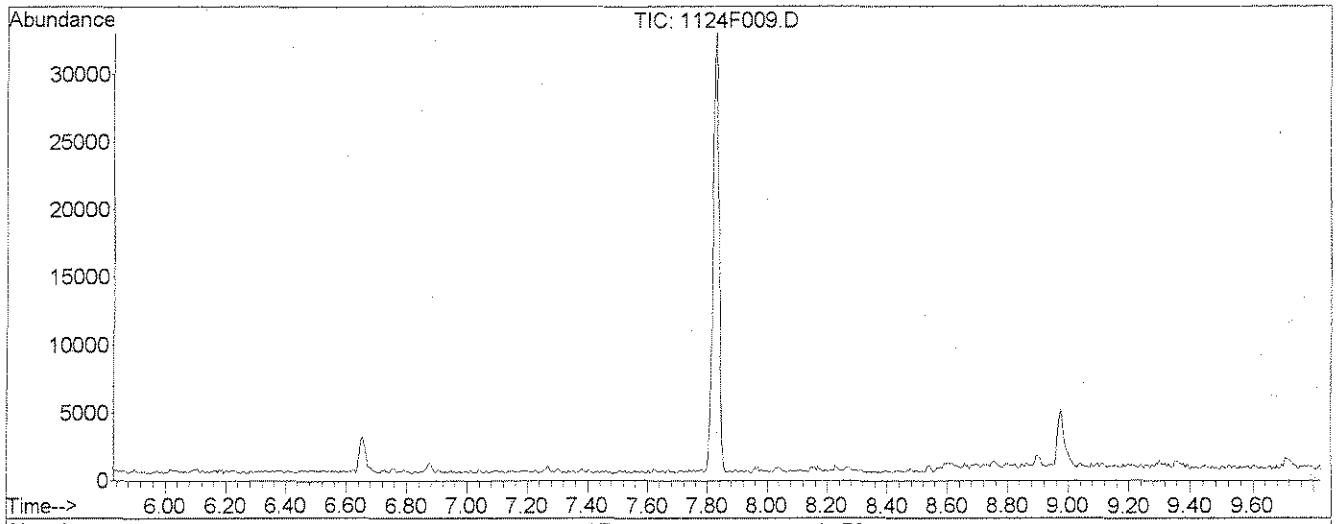
U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

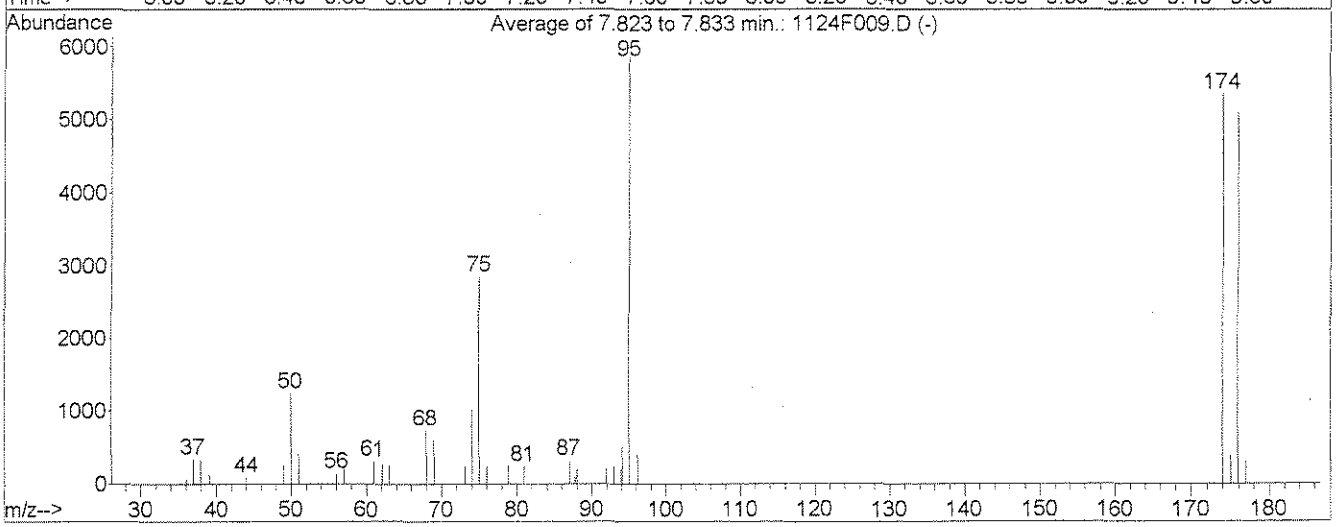
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

BFB

Data File : J:\MS24\DATA\112410\1124F009.D Vial: 1
Acq On : 24 Nov 2010 1:31 pm Operator: KR
Sample : SOIL BFB Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B





AutoFind: Scans 1342, 1343, 1344; Background Corrected with Scan 1335

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.3	1246	PASS
75	95	30	60	48.7	2853	PASS
95	95	100	100	100.0	5858	PASS
96	95	5	9	6.9	402	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	91.3	5350	PASS
175	174	5	9	7.2	383	PASS
176	174	95	101	95.3	5098	PASS
177	176	5	9	6.1	309	PASS

1124F009.D 111510MS24SOIL.M Wed Nov 24 13:48:26 2010

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL10052
Instrument ID: MS24

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS24\DATA\111510\1115F005.D	F	J:\MS24\DATA\111510\1115F010.D
B	J:\MS24\DATA\111510\1115F006.D	G	J:\MS24\DATA\111510\1115F011.D
C	J:\MS24\DATA\111510\1115F007.D	H	J:\MS24\DATA\111510\1115F012.D
D	J:\MS24\DATA\111510\1115F008.D	I	J:\MS24\DATA\111510\1115F013.D
E	J:\MS24\DATA\111510\1115F009.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
† Chloromethane	A	1.0	0.323	B	2.0	0.302	C	5.0	0.292	D	10	0.293	E	20	0.287
†	F	50	0.279	G	100	0.272	H	200	0.274	I	300	0.260			
‡ Vinyl Chloride	A	1.0	0.252	B	2.0	0.248	C	5.0	0.245	D	10	0.272	E	20	0.265
‡	F	50	0.256	G	100	0.250	H	200	0.258	I	300	0.241			
Bromomethane	A	1.0	0.190	B	2.0	0.186	C	5.0	0.181	D	10	0.189	E	20	0.170
	F	50	0.163	G	100	0.145									
Chloroethane	A	1.0	0.156	B	2.0	0.172	C	5.0	0.173	D	10	0.185	E	20	0.167
	F	50	0.167	G	100	0.160	H	200	0.164	I	300	0.154			
Acrolein	A	5.0	0.0384	B	10	0.0452	C	25	0.0458	D	50	0.0411	E	100	0.0424
	F	250	0.0424	G	500	0.0415	H	1000	0.0448	I	1500	0.0436			
‡ 1,1-Dichloroethene	A	1.0	0.179	B	2.0	0.157	C	5.0	0.156	D	10	0.166	E	20	0.160
‡	F	50	0.159	G	100	0.160	H	200	0.163	I	300	0.156			
Methylene Chloride										D	10	0.307	E	20	0.262
	F	50	0.258	G	100	0.244	H	200	0.244	I	300	0.241			
Acrylonitrile	A	2.0	0.0720	B	4.0	0.0965	C	10	0.0935	D	20	0.0903	E	40	0.0885
	F	100	0.0918	G	200	0.0913	H	400	0.0973	I	600	0.0943			
trans-1,2-Dichloroethene	A	1.0	0.188	B	2.0	0.201	C	5.0	0.204	D	10	0.208	E	20	0.206
	F	50	0.205	G	100	0.204	H	200	0.208	I	300	0.203			
† 1,1-Dichloroethane	A	1.0	0.349	B	2.0	0.374	C	5.0	0.386	D	10	0.404	E	20	0.386
†	F	50	0.402	G	100	0.398	H	200	0.405	I	300	0.400			
‡ Chloroform	A	1.0	0.342	B	2.0	0.367	C	5.0	0.375	D	10	0.406	E	20	0.386
‡	F	50	0.396	G	100	0.392	H	200	0.398	I	300	0.390			
1,1,1-Trichloroethane (TCA)	A	1.0	0.223	B	2.0	0.254	C	5.0	0.251	D	10	0.273	E	20	0.266
	F	50	0.268	G	100	0.271	H	200	0.278	I	300	0.271			
Carbon Tetrachloride	A	1.0	0.218	B	2.0	0.239	C	5.0	0.209	D	10	0.244	E	20	0.236
	F	50	0.232	G	100	0.237	H	200	0.240	I	300	0.234			
Benzene	A	1.0	0.803	B	2.0	0.803	C	5.0	0.851	D	10	0.893	E	20	0.872
	F	50	0.880	G	100	0.885	H	200	0.889	I	300	0.873			

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL10052
Instrument ID: MS24

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,2-Dichloroethane (EDC)	A	1.0	0.279	B	2.0	0.308	C	5.0	0.339	D	10	0.330	E	20	0.324
	F	50	0.330	G	100	0.323	H	200	0.331	I	300	0.324			
Trichloroethene (TCE)	A	1.0	0.220	B	2.0	0.213	C	5.0	0.216	D	10	0.224	E	20	0.214
	F	50	0.213	G	100	0.214	H	200	0.216	I	300	0.212			
‡ 1,2-Dichloropropane	A	1.0	0.180	B	2.0	0.210	C	5.0	0.228	D	10	0.236	E	20	0.226
‡	F	50	0.233	G	100	0.237	H	200	0.242	I	300	0.240			
Bromodichloromethane	A	1.0	0.256	B	2.0	0.264	C	5.0	0.302	D	10	0.311	E	20	0.292
	F	50	0.308	G	100	0.309	H	200	0.319	I	300	0.318			
2-Chloroethyl Vinyl Ether				B	2.0	0.120	C	5.0	0.132	D	10	0.132	E	20	0.133
	F	50	0.144	G	100	0.152	H	200	0.162	I	300	0.163			
cis-1,3-Dichloropropene	A	1.0	0.258	B	2.0	0.295	C	5.0	0.321	D	10	0.328	E	20	0.332
	F	50	0.361	G	100	0.370	H	200	0.389	I	300	0.393			
‡ Toluene	A	1.0	0.421	B	2.0	0.460	C	5.0	0.472	D	10	0.520	E	20	0.512
‡	F	50	0.524	G	100	0.527	H	200	0.535	I	300	0.527			
trans-1,3-Dichloropropene	A	1.0	0.575	B	2.0	0.649	C	5.0	0.711	D	10	0.720	E	20	0.725
	F	50	0.774	G	100	0.803	H	200	0.851	I	300	0.846			
1,1,2-Trichloroethane	A	1.0	0.382	B	2.0	0.474	C	5.0	0.479	D	10	0.471	E	20	0.460
	F	50	0.469	G	100	0.471	H	200	0.476	I	300	0.462			
Tetrachloroethene (PCE)	A	1.0	0.346	B	2.0	0.374	C	5.0	0.390	D	10	0.433	E	20	0.411
	F	50	0.400	G	100	0.402	H	200	0.402	I	300	0.386			
Dibromochloromethane				B	2.0	0.552	C	5.0	0.570	D	10	0.597	E	20	0.570
	F	50	0.593	G	100	0.590	H	200	0.610	I	300	0.600			
† Chlorobenzene	A	1.0	1.23	B	2.0	1.42	C	5.0	1.51	D	10	1.58	E	20	1.51
†	F	50	1.55	G	100	1.53	H	200	1.52	I	300	1.47			
‡ Ethylbenzene	A	1.0	0.613	B	2.0	0.632	C	5.0	0.653	D	10	0.732	E	20	0.732
‡	F	50	0.746	G	100	0.754	H	200	0.755	I	300	0.724			
† Bromoform				B	2.0	0.397	C	5.0	0.377	D	10	0.390	E	20	0.375
†	F	50	0.387	G	100	0.394	H	200	0.416	I	300	0.401			
† 1,1,2,2-Tetrachloroethane	A	1.0	0.664	B	2.0	0.922	C	5.0	0.789	D	10	0.776	E	20	0.773
†	F	50	0.799	G	100	0.801	H	200	0.830	I	300	0.783			
1,3-Dichlorobenzene	A	1.0	1.02	B	2.0	1.28	C	5.0	1.26	D	10	1.32	E	20	1.31
	F	50	1.31	G	100	1.30	H	200	1.28	I	300	1.25			
1,4-Dichlorobenzene	A	1.0	1.14	B	2.0	1.36	C	5.0	1.32	D	10	1.38	E	20	1.31
	F	50	1.34	G	100	1.32	H	200	1.31	I	300	1.26			
1,2-Dichlorobenzene	A	1.0	1.08	B	2.0	1.27	C	5.0	1.22	D	10	1.30	E	20	1.28
	F	50	1.32	G	100	1.28	H	200	1.27	I	300	1.24			

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL10052
Instrument ID: MS24

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
1,2,4-Trichlorobenzene	A	1.0	0.709	B	2.0	0.845	C	5.0	0.800	D	10	0.851	E	20	0.823
	F	50	0.844	G	100	0.849	H	200	0.849	I	300	0.855			
Dibromofluoromethane				B	10	0.239	C	20	0.221	D	30	0.233	E	40	0.205
	F	50	0.222	G	70	0.224	H	80	0.226	I	120	0.225			
Toluene-d8				B	10	0.860	C	20	0.747	D	30	0.786	E	40	0.704
	F	50	0.781	G	70	0.806	H	80	0.799	I	120	0.791			
4-Bromofluorobenzene				B	10	0.816	C	20	0.740	D	30	0.825	E	40	0.732
	F	50	0.774	G	70	0.779	H	80	0.762	I	120	0.737			

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Volatile Organic Compounds

Calibration ID: CAL10052
Instrument ID: MS24

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
† Chloromethane	TRG	AverageRF	% RSD	6.5		≤ 15	0.287		0.10
‡ Vinyl Chloride	MS	AverageRF	% RSD	3.8		≤ 15	0.254		0.01
Bromomethane	TRG	AverageRF	% RSD	9.5		≤ 15	0.175		0.01
Chloroethane	TRG	AverageRF	% RSD	5.7		≤ 15	0.167		0.01
Acrolein	TRG	AverageRF	% RSD	5.5		≤ 15	0.0428		0.01
‡ 1,1-Dichloroethene	MS	AverageRF	% RSD	4.4		≤ 15	0.162		0.01
Methylene Chloride	TRG	AverageRF	% RSD	9.5		≤ 15	0.259		0.01
Acrylonitrile	TRG	AverageRF	% RSD	8.3		≤ 15	0.0906		0.01
trans-1,2-Dichloroethene	TRG	AverageRF	% RSD	3.0		≤ 15	0.203		0.01
† 1,1-Dichloroethane	TRG	AverageRF	% RSD	4.7		≤ 15	0.389		0.10
‡ Chloroform	MS	AverageRF	% RSD	5.1		≤ 15	0.384		0.01
1,1,1-Trichloroethane (TCA)	TRG	AverageRF	% RSD	6.4		≤ 15	0.262		0.01
Carbon Tetrachloride	MS	AverageRF	% RSD	4.9		≤ 15	0.232		0.01
Benzene	MS	AverageRF	% RSD	4.1		≤ 15	0.861		0.01
1,2-Dichloroethane (EDC)	TRG	AverageRF	% RSD	5.5		≤ 15	0.321		0.01
Trichloroethene (TCE)	MS	AverageRF	% RSD	1.9		≤ 15	0.216		0.01
‡ 1,2-Dichloropropane	TRG	AverageRF	% RSD	8.7		≤ 15	0.226		0.01
Bromodichloromethane	MS	AverageRF	% RSD	7.7		≤ 15	0.298		0.01
2-Chloroethyl Vinyl Ether	TRG	AverageRF	% RSD	11.0		≤ 15	0.142		0.01
cis-1,3-Dichloropropene	TRG	AverageRF	% RSD	13.2		≤ 15	0.339		0.01
‡ Toluene	MS	AverageRF	% RSD	7.9		≤ 15	0.500		0.01
trans-1,3-Dichloropropene	TRG	AverageRF	% RSD	12.2		≤ 15	0.739		0.01
1,1,2-Trichloroethane	MS	AverageRF	% RSD	6.5		≤ 15	0.460		0.01
Tetrachloroethene (PCE)	TRG	AverageRF	% RSD	6.3		≤ 15	0.394		0.01
Dibromochloromethane	TRG	AverageRF	% RSD	3.3		≤ 15	0.585		0.01
† Chlorobenzene	MS	AverageRF	% RSD	7.0		≤ 15	1.48		0.30
‡ Ethylbenzene	MS	AverageRF	% RSD	7.9		≤ 15	0.704		0.01
† Bromoform	TRG	AverageRF	% RSD	3.4		≤ 15	0.392		0.10
† 1,1,2,2-Tetrachloroethane	TRG	AverageRF	% RSD	8.4		≤ 15	0.793		0.30
1,3-Dichlorobenzene	TRG	AverageRF	% RSD	7.3		≤ 15	1.26		0.01
1,4-Dichlorobenzene	TRG	AverageRF	% RSD	5.4		≤ 15	1.31		0.01
1,2-Dichlorobenzene	MS	AverageRF	% RSD	5.7		≤ 15	1.25		0.01
1,2,4-Trichlorobenzene	TRG	AverageRF	% RSD	5.7		≤ 15	0.825		0.01
Dibromofluoromethane	SURR	AverageRF	% RSD	4.4		≤ 15	0.224		0.01
Toluene-d8	SURR	AverageRF	% RSD	5.7		≤ 15	0.784		0.01
4-Bromofluorobenzene	SURR	AverageRF	% RSD	4.6		≤ 15	0.771		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010
Date Analyzed: 11/15/2010

Second Source Calibration Verification
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration ID: CAL10052
Units: PPB

File ID: J:\MS24\DATA\111510\1115F016.D
J:\MS24\DATA\111510\1115F017.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Chloromethane	50	49	0.287	0.280	-3	NA	± 40 %	AverageRF
Vinyl Chloride	50	53	0.254	0.268	5	NA	± 20 %	AverageRF
Bromomethane	50	32	0.175	0.110	-37	NA	± 40 %	AverageRF
Chloroethane	50	49	0.167	0.164	-2	NA	± 40 %	AverageRF
Acrolein	100	100	0.0428	0.0433	1	NA	± 40 %	AverageRF
1,1-Dichloroethene	50	55	0.162	0.178	10	NA	± 20 %	AverageRF
Methylene Chloride	50	51	0.259	0.267	3	NA	± 30 %	AverageRF
Acrylonitrile	80	82	0.0906	0.0927	2	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	50	54	0.203	0.220	9	NA	± 30 %	AverageRF
1,1-Dichloroethane	50	53	0.389	0.411	6	NA	± 30 %	AverageRF
Chloroform	50	54	0.384	0.416	8	NA	± 20 %	AverageRF
1,1,1-Trichloroethane (TCA)	50	56	0.262	0.291	11	NA	± 30 %	AverageRF
Carbon Tetrachloride	50	54	0.232	0.249	7	NA	± 30 %	AverageRF
Benzene	50	54	0.861	0.929	8	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	50	54	0.321	0.347	8	NA	± 30 %	AverageRF
Trichloroethene (TCE)	50	53	0.216	0.228	6	NA	± 30 %	AverageRF
1,2-Dichloropropane	50	54	0.226	0.243	8	NA	± 20 %	AverageRF
Bromodichloromethane	50	54	0.298	0.320	8	NA	± 30 %	AverageRF
2-Chloroethyl Vinyl Ether	50	50	0.142	0.143	1	NA	± 40 %	AverageRF
cis-1,3-Dichloropropene	50	53	0.339	0.359	6	NA	± 30 %	AverageRF
Toluene	50	55	0.500	0.546	9	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	50	51	0.739	0.756	2	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	50	55	0.460	0.510	11	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	50	53	0.394	0.419	6	NA	± 30 %	AverageRF
Dibromochloromethane	50	53	0.585	0.625	7	NA	± 30 %	AverageRF
Chlorobenzene	50	54	1.48	1.59	8	NA	± 30 %	AverageRF
Ethylbenzene	50	55	0.704	0.773	10	NA	± 20 %	AverageRF
Bromoform	50	53	0.392	0.417	6	NA	± 30 %	AverageRF
1,1,2,2-Tetrachloroethane	50	51	0.793	0.810	2	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	50	52	1.26	1.32	5	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	50	51	1.31	1.34	2	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	50	53	1.25	1.31	5	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	50	50	0.825	0.823	0	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Date: 11/15/10

Columbia Analytical Services, Inc.

Injection Log

MS24 - Agilent 5975

Tune File: testune

By: KR

New Tune: NO

IS/SS Std. ID: SBLK4 - 70A

CCV Std ID: See Chromatogram

ICAL Date: 11/15/10 Cal 10052

MS/DMS/LCS/ICV Std ID:

Second RV: HB11-17-10

BFB Std. ID: SBLK 41C

LIMS ID:

	Sample Name	File Name	Method	Dilution	pH	R	Comments
1	BFB	1115F002	8260.M	1µL 5 ml			
2	IB	3					
3	IB	4					
4	8260 Soil Ical 1	5					
5	2	6					
6	5	7					
7	10	8					
8	20	9					
9	50	10					
10	100	11					
11	200	12					
12	300	13					
13	IB	14					
14	IB	15					
15	ICV	16					
16	ICV App	17					
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							

R:\VOA\Injection Logs\INJLOG_MS24_Rev1

INTIAL CALIBRATION CURVE

Date 11/15/10

Prepared By KW

Analysis 8260 soil

Instrument ~~MS05~~ MS24

Stock Solution #1 58WA-70B

Stock Solution #2 + 69A

Stock Solution #3

Analytes Surrogates — Init. Concentration 100 ppm

Analytes 8260 soil CCV mix — Init. Concentration 100/500ppm

#	Aliquot of Stock Solution #1	Final Conc. of #1 (µg/L)	Aliquot of Stock Solution #2	Final Conc. of #2 (µg/L)			Final Volume (mL)	Notes
1			0.5	1			50	
2	5	10	1	2			50	
3	10	20	2.5	5			50	
4	15	30	5	10			50	
5	20	40	10	20			50	
6	25	50	25	50			50	
7	35	70	50	100			50	
8	40	80	100	200			50	
9	60	120	150	300			50	

BFB std#: 58WA 61C

ICV std#: Accustandard 58WA 68B

ICV std#: Freon 21 58WA 60E

ICV std#: Oxygenates 58WA 66A

ICV std#: Appendix 58WA 68F

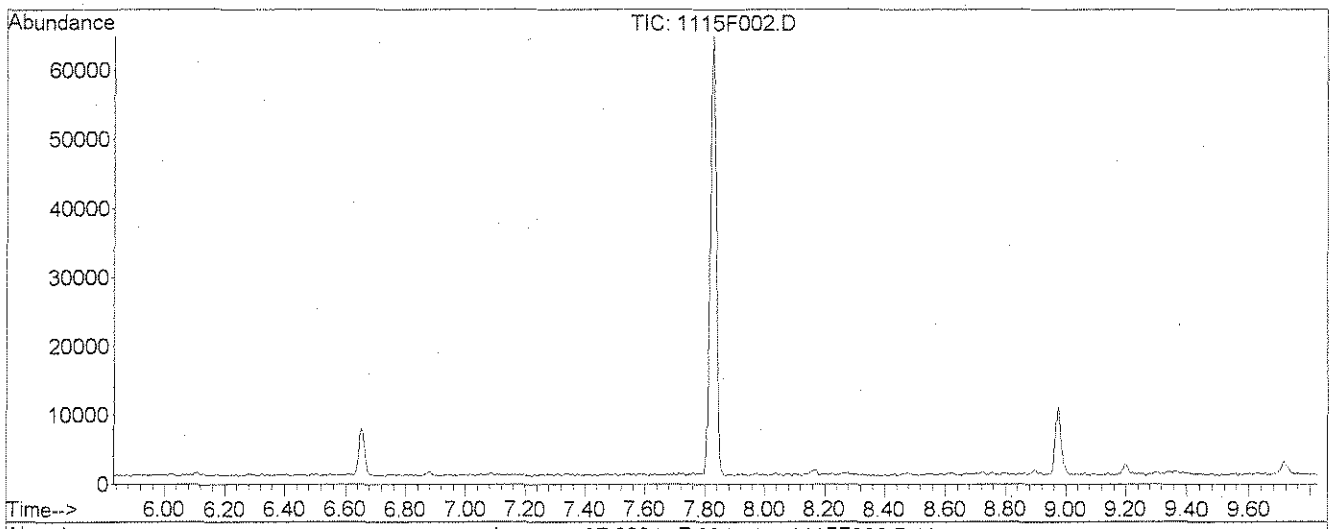
ICV std#: Acrolein 58WA-66C

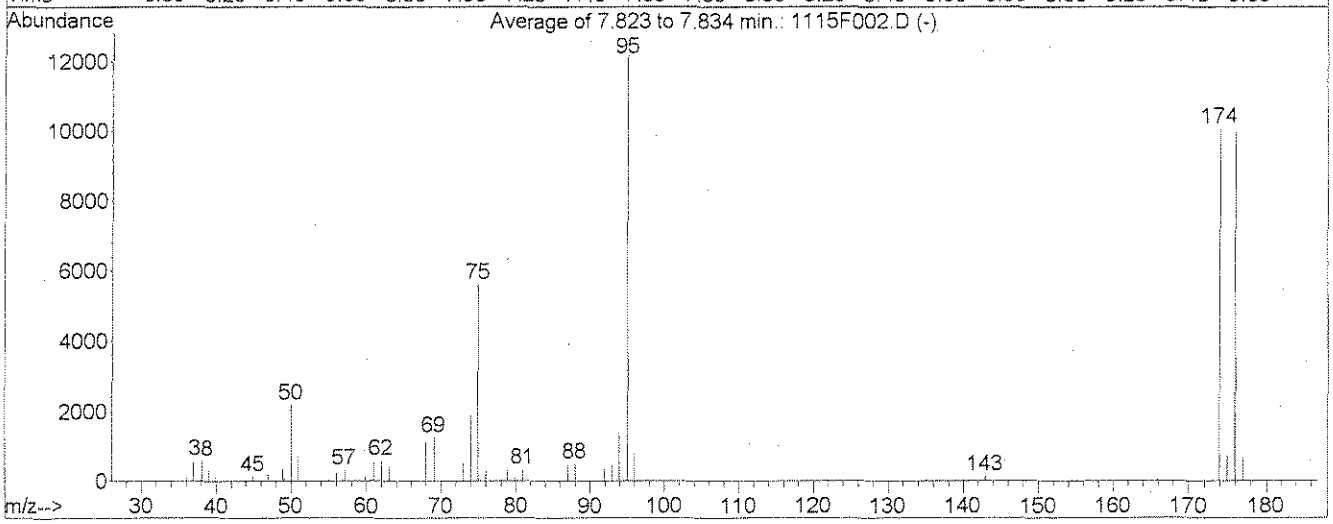
ICV 1

ICV 2

BFB

Data File : J:\MS24\DATA\111510\1115F002.D Vial: 2
Acq On : 15 Nov 2010 12:41 pm Operator: KR
Sample : BFB Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B





AutoFind: Scans 1342, 1343, 1344; Background Corrected with Scan 1334

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	2192	PASS
75	95	30	60	45.9	5600	PASS
95	95	100	100	100.0	12192	PASS
96	95	5	9	6.7	819	PASS
173	174	0.00	2	0.5	52	PASS
174	95	50	120	82.8	10089	PASS
175	174	5	9	7.7	772	PASS
176	174	95	101	99.1	9995	PASS
177	176	5	9	6.6	659	PASS

KR 11/15/10

HB 11/17/10

1115F002.D 111510MS24SOIL.M Mon Nov 15 13:40:51 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F004.D Vial: 3
Acq On : 15 Nov 2010 1:54 pm Operator: KR
Sample : IB Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:14:12 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.02	96	387791	50.00	PPB	0.00
58) Chlorobenzene-d5	6.65	82	149008	50.00	PPB	0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	127256	50.00	PPB	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	3.53	113	1565	0.81	PPB	0.00
Spiked Amount 50.000			Recovery	=	1.62%	
42) 1,2-Dichloroethane-d4	3.81	65	2064	0.83	PPB	0.00
Spiked Amount 50.000			Recovery	=	1.66%	
56) Toluene-d8	5.31	98	11117	1.74	PPB	0.00
Spiked Amount 50.000			Recovery	=	3.48%	
77) 4-Bromofluorobenzene	7.83	95	3593	1.45	PPB	0.00
Spiked Amount 50.000			Recovery	=	2.90%	
Target Compounds						Qvalue
13) Acetone	1.98	43	4081	5.34	PPB	91
15) Carbon Disulfide	2.01	76	591	0.13	PPB	78
18) Methylene Chloride	2.27	84	4892	2.27	PPB	93
21) Methyl tert-Butyl Ether	2.40	73	1025	0.17	PPB	93
67) 1-Chlorohexane	6.65	91	555	0.25	PPB #	34
99) Naphthalene	11.09	128	565	0.11	PPB	72

KR 11/15/10

HB 11-17-10

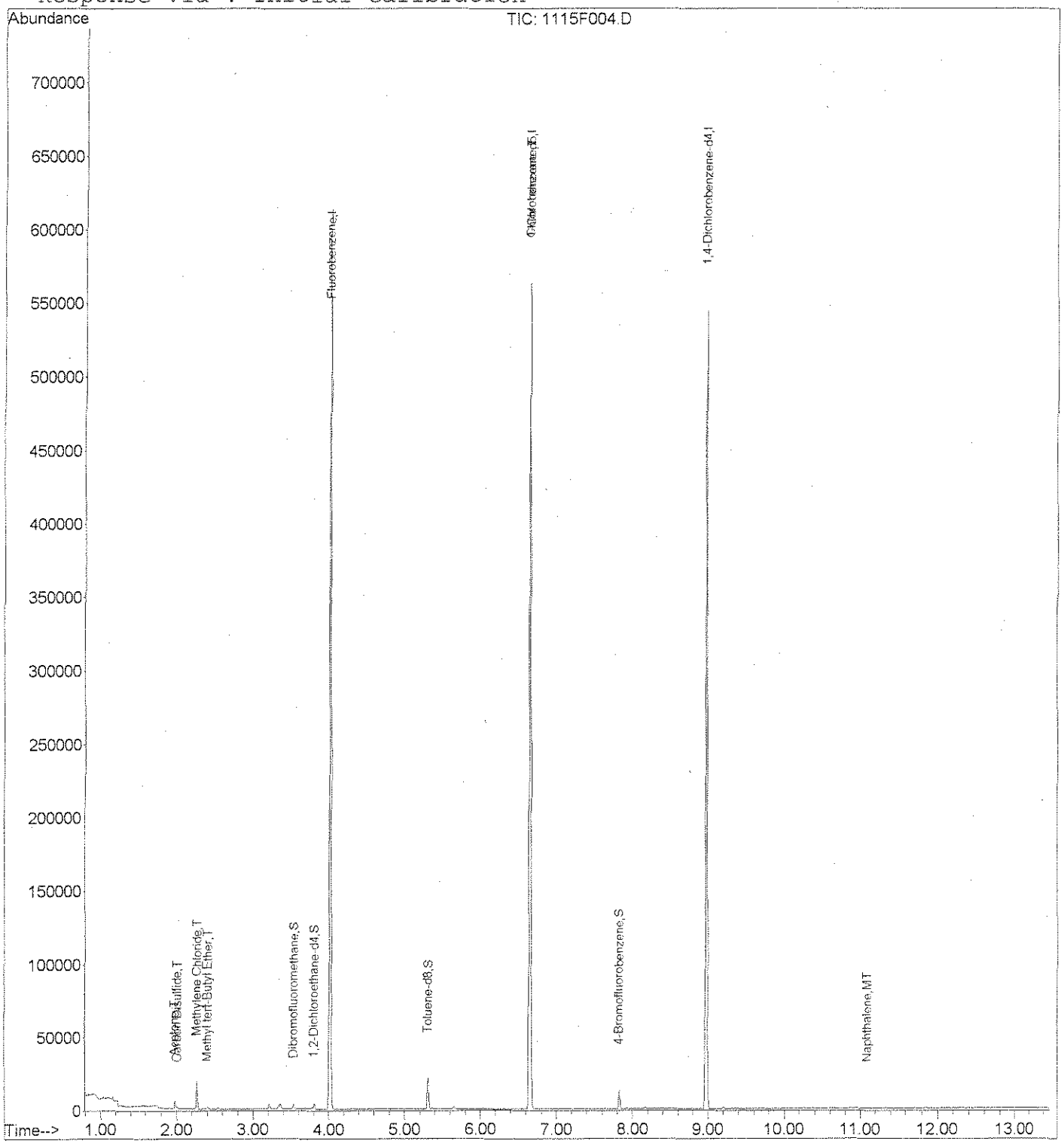
(#) = qualifier out of range (m) = manual integration
1115F004.D 111510MS24SOIL.M Mon Nov 15 15:15:22 2010 Page 1

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F004.D
Acq On : 15 Nov 2010 1:54 pm
Sample : IB
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 15 15:15 2010

Vial: 3
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F005.D Vial: 4
Acq On : 15 Nov 2010 2:15 pm Operator: KR
Sample : 8260 SOIL ICAL 1 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:15:31 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

KR 11/18/10

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.02	96	397483	50.00	PPB		0.00
58) Chlorobenzene-d5	6.65	82	152369	50.00	PPB		0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	132914	50.00	PPB		0.00
System Monitoring Compounds							
38) Dibromofluoromethane	3.53	113	1615	0.82	PPB		0.00
Spiked Amount 50.000			Recovery	=	1.64%		
42) 1,2-Dichloroethane-d4	3.81	65	2130	0.84	PPB		0.00
Spiked Amount 50.000			Recovery	=	1.68%		
56) Toluene-d8	5.31	98	10179	1.55	PPB		0.00
Spiked Amount 50.000			Recovery	=	3.10%		
77) 4-Bromofluorobenzene	7.83	95	3379	1.33	PPB		0.00
Spiked Amount 50.000			Recovery	=	2.66%		
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.86	85	1623	0.79	PPB		96
3) Chloromethane	0.99	50	2571	1.07	PPB		98
4) Vinyl Chloride	1.06	62	2007	0.80	PPB		87
5) Bromomethane	1.29	96	1508	0.98	PPB		95
6) Chloroethane	1.36	64	1244	0.79	PPB		98
7) Dichlorofluoromethane	1.52	67	2815	0.73	PPB		86
8) Trichlorofluoromethane	1.51	101	2298	0.69	PPB		85
9) Ethyl Ether	1.72	59	1627	0.86	PPB		80
10) Acrolein	1.87	56	1526	4.01	PPB		97
11) Trichlorotrifluoroethane	1.86	151	926	0.73	PPB		94
12) 1,1-Dichloroethene	1.88	96	1422	1.02	PPB		93
13) Acetone	1.98	43	4879	6.23	PPB		92
14) Iodomethane	2.00	142	3135	1.35	PPB		97
15) Carbon Disulfide	2.01	76	5114	1.07	PPB		98
16) 3-Chloro-1-propene	2.16	76	815	0.84	PPB	#	77
17) Acetonitrile	2.23	40	2820	17.67	PPB	#	87
18) Methylene Chloride	2.27	84	6142	2.78	PPB		98
19) tert-Butyl Alcohol	2.35	59	857	3.05	PPB		73
20) Acrylonitrile	2.50	53	1145	1.46	PPB		87
21) Methyl tert-Butyl Ether	2.40	73	9412	1.55	PPB		98
22) trans-1,2-Dichloroethene	2.41	96	1491	0.82	PPB		82
23) Hexane	2.54	57	1915	0.85	PPB		96
24) Diisopropyl Ether	2.73	45	4922	0.73	PPB		91
25) 1,1-Dichloroethane	2.75	63	2778	0.80	PPB		95
27) Chloroprene	2.78	53	4253	1.41	PPB		87
28) tert-Butyl Ethyl Ether	2.99	59	4097	0.66	PPB		98
29) 2,2-Dichloropropane	3.15	77	1514	0.62	PPB		91

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

HB 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F005.D Vial: 4
Acq On : 15 Nov 2010 2:15 pm Operator: KR
Sample : 8260 SOIL ICAL 1 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:15:31 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
30)	cis-1,2-Dichloroethene	3.18	96	1733	0.83 PPB		94
31)	2-Butanone	3.22	72	934	3.41 PPB	#	84
33)	Methacrylonitrile	3.40	67	1216	1.36 PPB		94
34)	Bromochloromethane	3.36	128	864	0.78 PPB		87
36)	Chloroform	3.41	83	2718	0.80 PPB		98
37)	1,1,1-Trichloroethane	3.50	97	1776	0.68 PPB		97
39)	Carbon Tetrachloride	3.59	117	1735	0.74 PPB		96
40)	1,1-Dichloropropene	3.63	75	1874	0.81 PPB		93
41)	Isobutyl Alcohol	3.78	43	1138	10.39 PPB		98
43)	Benzene	3.79	78	6383	0.89 PPB		94
44)	1,2-Dichloroethane	3.87	62	2220	0.75 PPB		90
45)	tert-Amyl Methyl Ether	3.84	55	1433	0.85 PPB	#	69
46)	Trichloroethene	4.29	95	1746	0.92 PPB		88
47)	1,2-Dichloropropane	4.53	63	1432	0.73 PPB		89
48)	Dibromomethane	4.62	93	1045	0.80 PPB		83
49)	Methyl methacrylate	4.60	69	889	0.59 PPB		95
51)	Bromodichloromethane	4.75	83	2036	0.78 PPB		84
52)	2-Nitropropane	5.02	41	1054	1.94 PPB		83
53)	2-Chloroethyl Vinyl Ether	5.02	63	834	0.60 PPB		85
54)	cis-1,3-Dichloropropene	5.13	75	2050	0.69 PPB		82
55)	4-Methyl-2-pentanone (MIBK	5.26	58	940	1.18 PPB	#	81
57)	Toluene	5.37	92	3348	0.73 PPB		91
59)	trans-1,3-Dichloropropene	5.65	75	1752	0.67 PPB		90
60)	Ethyl methacrylate	5.67	69	1347	0.57 PPB		95
61)	1,1,2-Trichloroethane	5.81	83	1163	0.80 PPB		96
62)	Tetrachloroethene	5.82	164	1053	0.70 PPB		94
64)	1,3-Dichloropropane	5.96	76	2413	0.82 PPB		92
65)	Dibromochloromethane	6.13	129	1358	0.68 PPB		87
66)	1,2-Dibromoethane (EDB)	6.25	107	1221	0.70 PPB		90
67)	1-Chlorohexane	6.64	91	1812	0.80 PPB	#	41
68)	Chlorobenzene	6.68	112	3758	0.74 PPB		92
69)	Ethylbenzene	6.75	106	1867	0.74 PPB	#	76
70)	1,1,1,2-Tetrachloroethane	6.78	131	1153	0.62 PPB		73
71)	m,p-Xylenes	6.87	106	3913	1.28 PPB		90
72)	o-Xylene	7.27	106	2020	0.66 PPB		88
73)	Styrene	7.30	103	1445	0.59 PPB		88
74)	Bromoform	7.50	173	903	0.66 PPB		70
75)	Isopropylbenzene	7.62	105	4154	0.58 PPB		95
76)	cis-1,4-Dichloro-2-butene	7.79	89	320m	1.29 PPB		
79)	1,1,2,2-Tetrachloroethane	8.03	83	1765	0.95 PPB		92
81)	Bromobenzene	7.96	156	1423	0.72 PPB		83

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F005.D Vial: 4
Acq On : 15 Nov 2010 2:15 pm Operator: KR
Sample : 8260 SOIL ICAL 1 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:15:31 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
82)	n-Propylbenzene	8.04	91	5395	0.71 PPB	93
83)	1,2,3-Trichloropropane	8.07	110	470m	0.72 PPB	
84)	2-Chlorotoluene	8.15	91	3707	0.79 PPB	92
85)	1,3,5-Trimethylbenzene	8.23	105	3498	0.64 PPB	99
86)	4-Chlorotoluene	8.27	91	3624	0.75 PPB	99
87)	tert-Butylbenzene	8.54	119	3067	0.63 PPB	93
88)	1,2,4-Trimethylbenzene	8.60	105	3386	0.61 PPB	88
89)	sec-Butylbenzene	8.76	105	4464	0.64 PPB	88
90)	p-Isopropyltoluene	8.90	119	3506	0.60 PPB	93
91)	1,3-Dichlorobenzene	8.90	146	2719	0.76 PPB	86
92)	1,4-Dichlorobenzene	9.00	146	3036	0.83 PPB	97
93)	n-Butylbenzene	9.30	91	3737	0.73 PPB	89
94)	1,2-Dichlorobenzene	9.36	146	2860	0.81 PPB	99
96)	1,3,5-Trichlorobenzene	10.26	180	2025	0.79 PPB	98
97)	1,2,4-Trichlorobenzene	10.85	180	1884	0.85 PPB	82
98)	Hexachlorobutadiene	10.95	225	834	0.68 PPB	96
99)	Naphthalene	11.09	128	3641	0.65 PPB	96
100)	1,2,3-Trichlorobenzene	11.32	180	1785	0.87 PPB	84

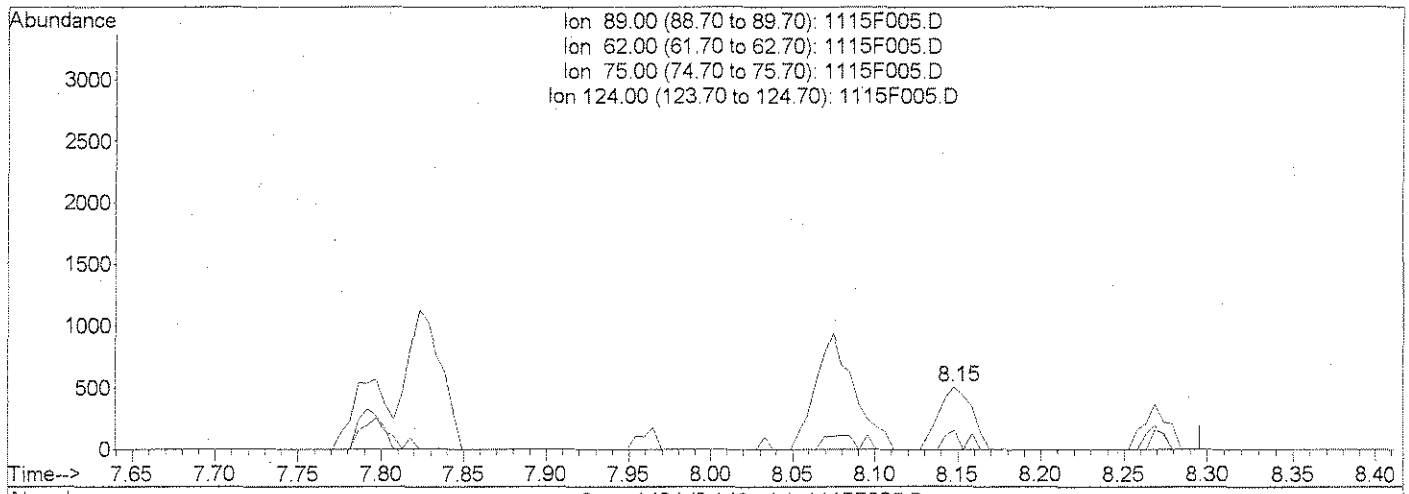
(#) = qualifier out of range (m) = manual integration

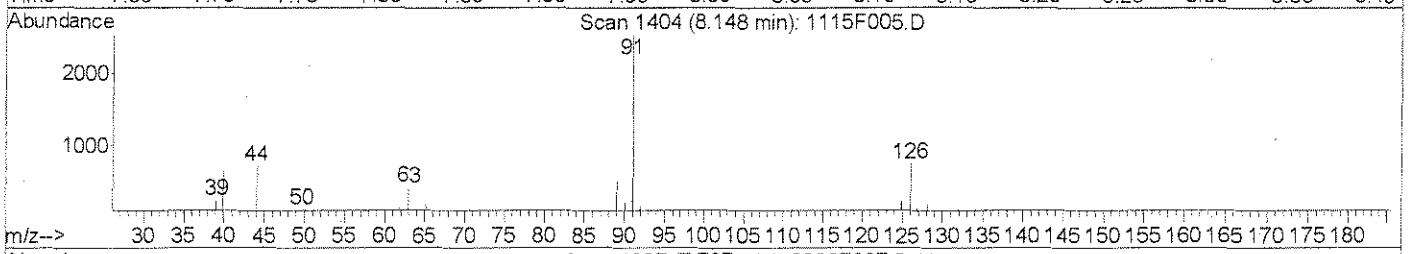
Quantitation Report (Qedit)

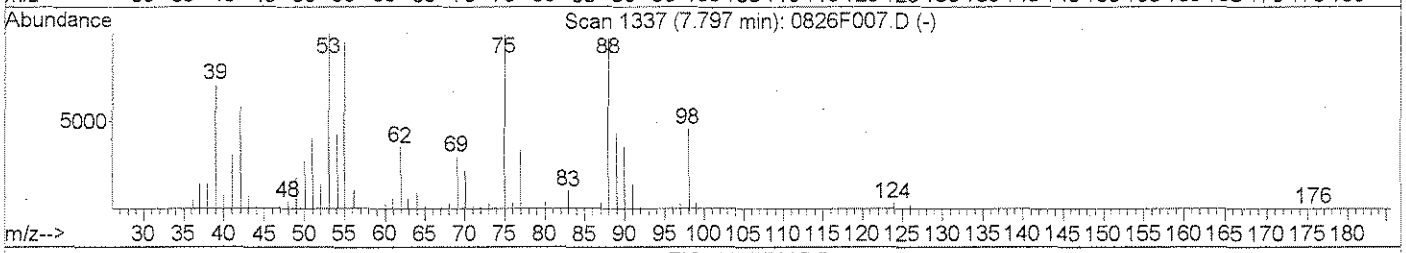
Data File : J:\MS24\DATA\111510\1115F005.D
Acq On : 15 Nov 2010 2:15 pm
Sample : 8260 SOIL ICAL 1
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 15 15:15 2010

Vial: 4
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Single Level Calibration







TIC: 1115F005.D

(76) cis-1,4-Dichloro-2-butene (T)

8.15min 2.85PPB

response 706

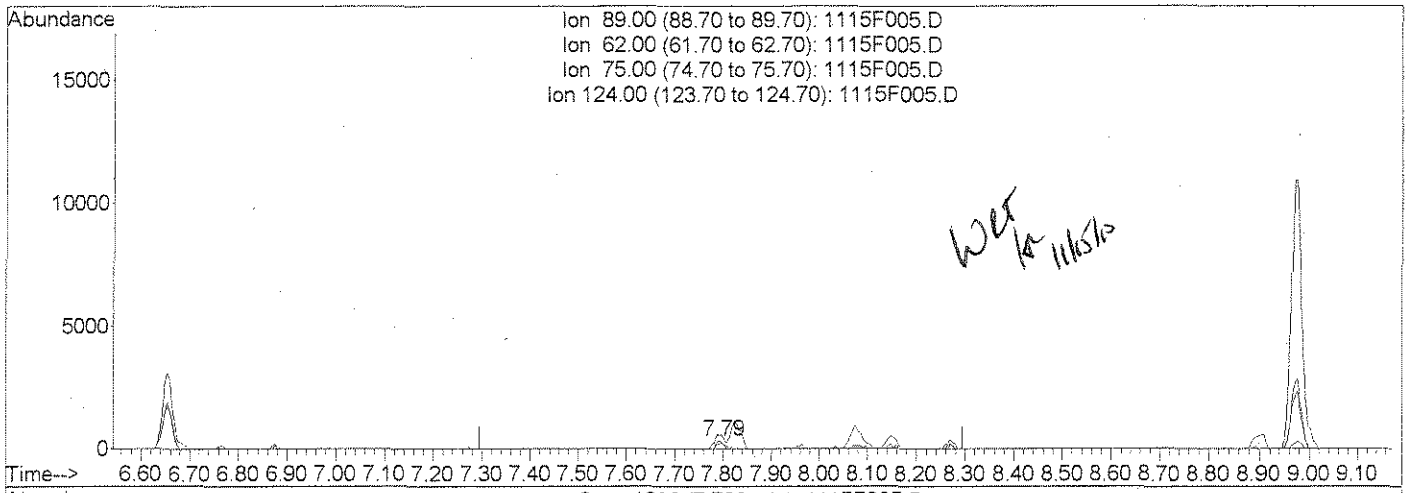
Ion	Exp%	Act%
89.00	100	100
62.00	79.60	30.72#
75.00	227.60	0.00#
124.00	7.80	0.00

Quantitation Report (Qedit)

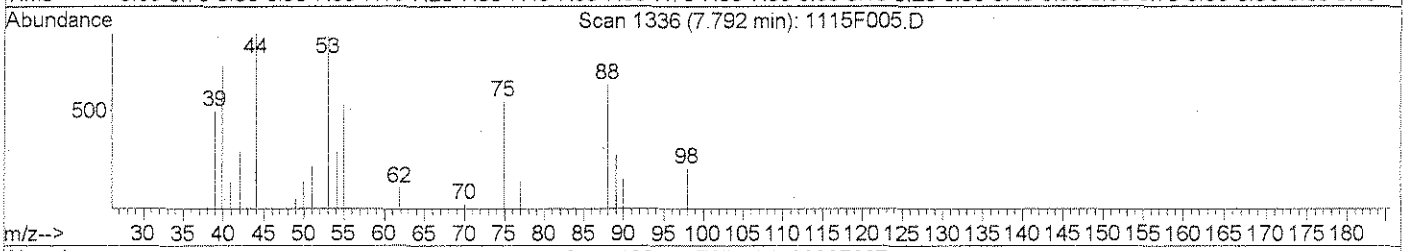
Data File : J:\MS24\DATA\111510\1115F005.D
Acq On : 15 Nov 2010 2:15 pm
Sample : 8260 SOIL ICAL 1
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 15 15:17 2010

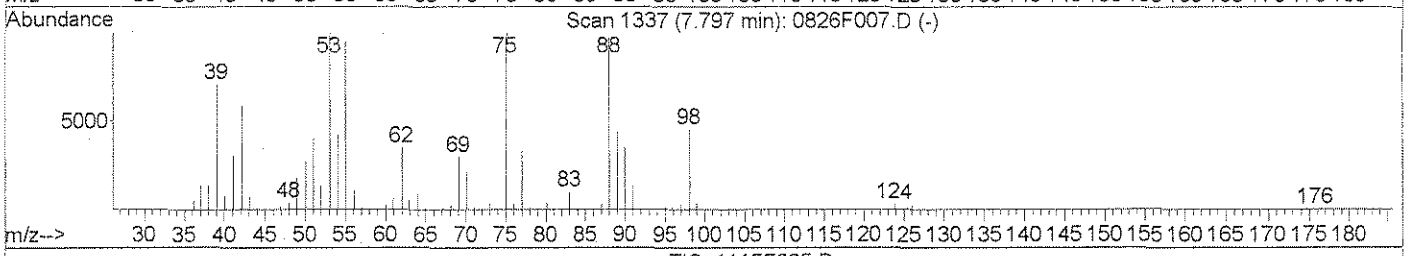
Vial: 4
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Single Level Calibration



WEF 11/15/10





TIC: 1115F005.D

(76) cis-1,4-Dichloro-2-butene (T)

7.79min 1.29PPB m

response 320

Ion	Exp%	Act%
89.00	100	100
62.00	79.60	59.63
75.00	227.60	163.61#
124.00	7.80	0.00

HB 11-17-10

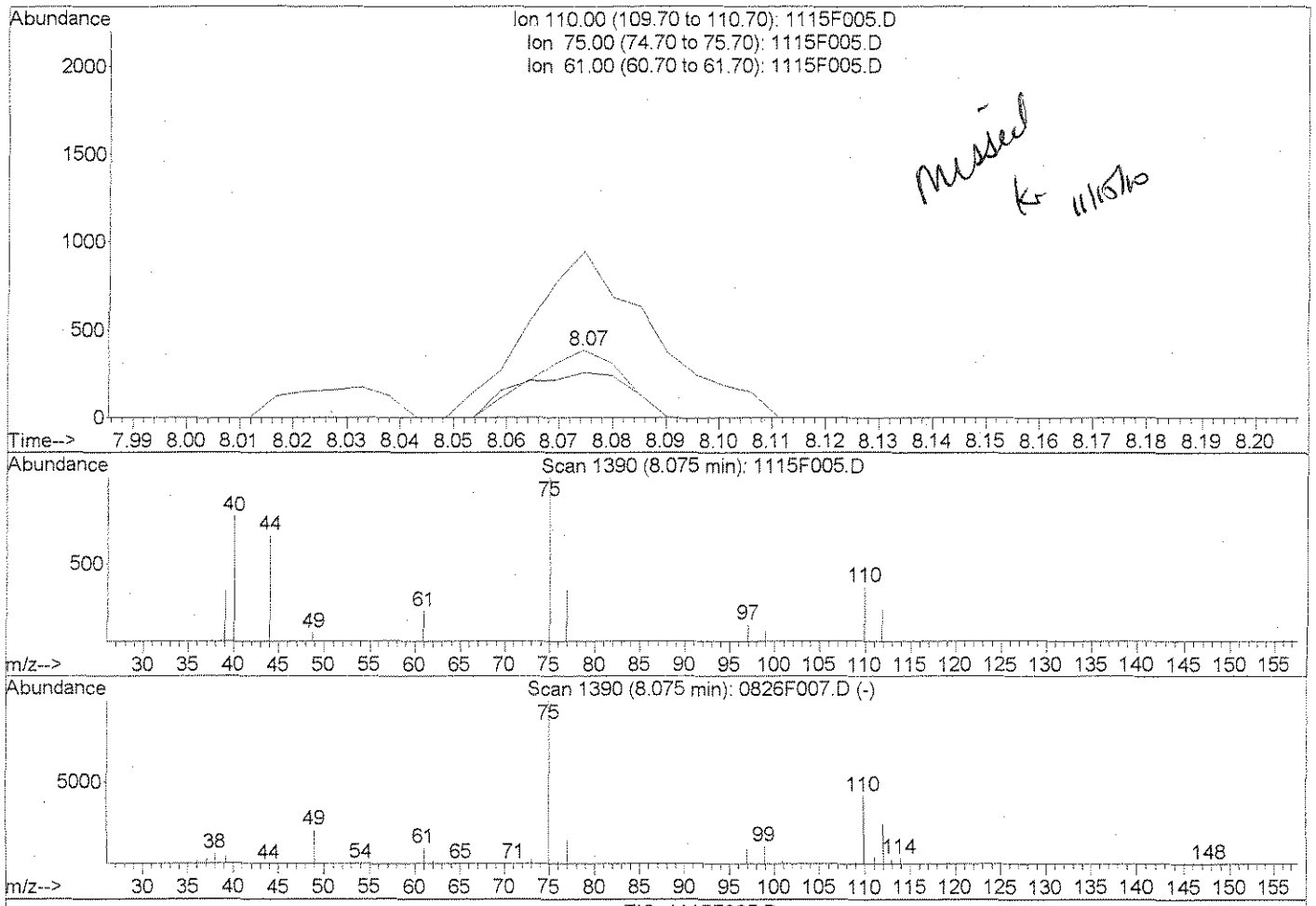
1115F005.D 111510MS24SOIL.M Mon Nov 15 15:17:14 2010

Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F005.D
Acq On : 15 Nov 2010 2:15 pm
Sample : 8260 SOIL ICAL 1
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 15 15:17 2010

Vial: 4
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration



missed
K 11/15/10

TIC: 1115F005.D

(83) 1,2,3-Trichloropropane (T)

8.07min 0.72PPB m

response 470

Ion	Exp%	Act%
110.00	100	100
75.00	240.20	245.71
61.00	58.20	67.01
0.00	0.00	0.00

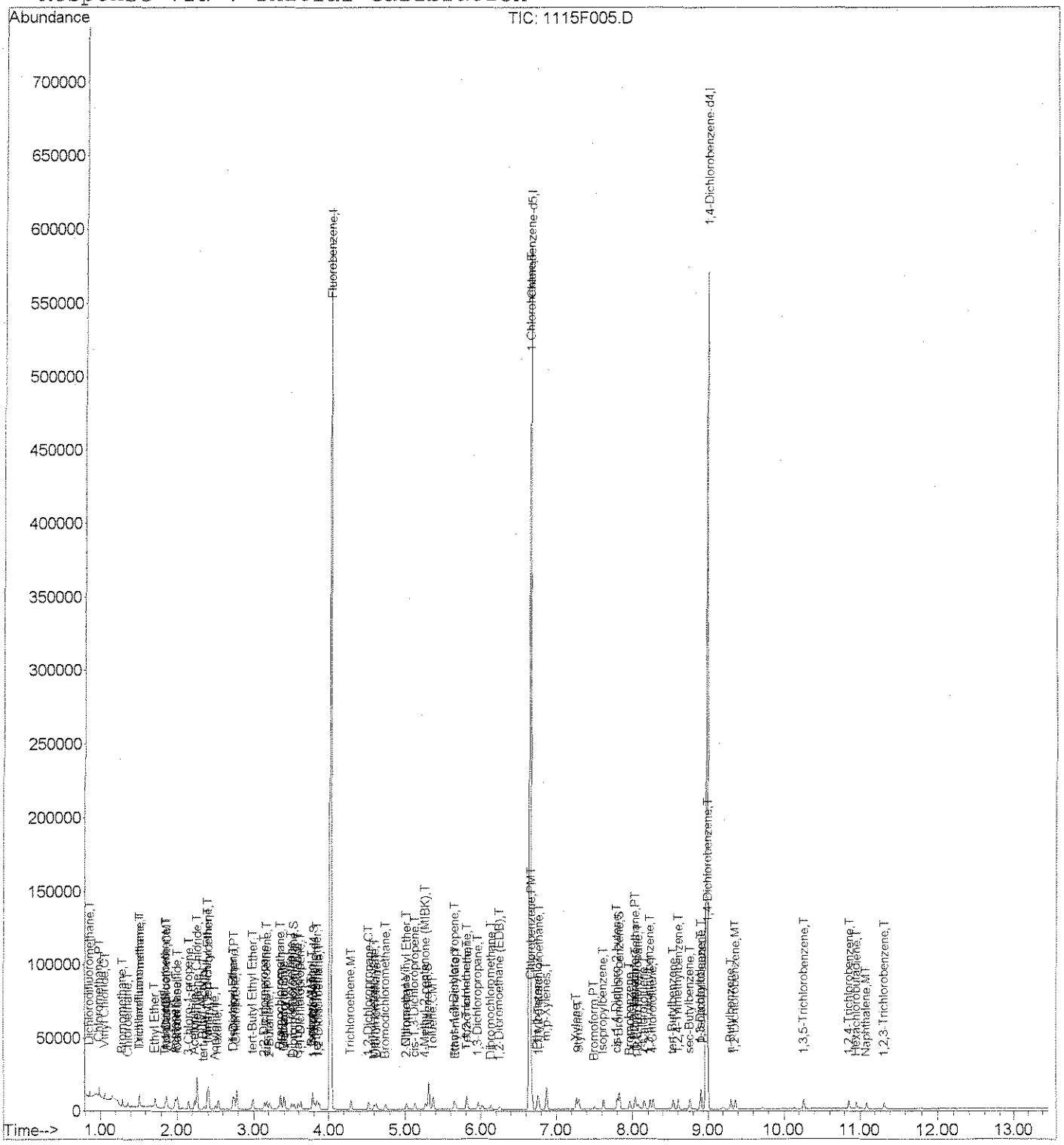
TB 11·17·10

1115F005.D 111510MS24SOIL.M Mon Nov 15 15:17:35 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F005.D Vial: 4
Acq On : 15 Nov 2010 2:15 pm Operator: KR
Sample : 8260 SOIL ICAL 1 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:17 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F006.D
Acq On : 15 Nov 2010 2:36 pm
Sample : 8260 SOIL ICAL 2
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 15 15:18:03 2010

Vial: 5
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

KR 11/15/10

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene	4.02	96	383936	50.00 PPB	0.00
58) Chlorobenzene-d5	6.65	82	151124	50.00 PPB	0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	135973	50.00 PPB	0.00
System Monitoring Compounds					
38) Dibromofluoromethane	3.54	113	18337	9.62 PPB	0.00
Spiked Amount 50.000			Recovery =	19.24%	
42) 1,2-Dichloroethane-d4	3.81	65	23890	9.73 PPB	0.00
Spiked Amount 50.000			Recovery =	19.46%	
56) Toluene-d8	5.31	98	66015	10.42 PPB	0.00
Spiked Amount 50.000			Recovery =	20.84%	
77) 4-Bromofluorobenzene	7.83	95	24671	9.80 PPB	0.00
Spiked Amount 50.000			Recovery =	19.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.86	85	3473	1.74 PPB		98
3) Chloromethane	0.99	50	4639	2.00 PPB		98
4) Vinyl Chloride	1.06	62	3803	1.58 PPB		94
5) Bromomethane	1.30	96	2852	1.91 PPB		100
6) Chloroethane	1.36	64	2634	1.74 PPB		94
7) Dichlorofluoromethane	1.52	67	5941	1.58 PPB		96
8) Trichlorofluoromethane	1.51	101	4319	1.33 PPB		86
9) Ethyl Ether	1.73	59	3304	1.82 PPB		85
10) Acrolein	1.87	56	3473	9.44 PPB		90
11) Trichlorotrifluoroethane	1.86	151	2157	1.77 PPB		91
12) 1,1-Dichloroethene	1.88	96	2416	1.80 PPB		94
13) Acetone	1.98	43	6500	8.60 PPB		92
14) Iodomethane	2.00	142	5947	2.65 PPB		98
15) Carbon Disulfide	2.01	76	10131	2.20 PPB		96
16) 3-Chloro-1-propene	2.16	76	1575	1.68 PPB	#	53
17) Acetonitrile	2.23	40	6215	40.33 PPB	#	89
18) Methylene Chloride	2.27	84	8085	3.78 PPB		93
19) tert-Butyl Alcohol	2.35	59	2397	8.84 PPB		88
20) Acrylonitrile	2.50	53	2965	3.92 PPB		96
21) Methyl tert-Butyl Ether	2.40	73	18457	3.15 PPB		97
22) trans-1,2-Dichloroethene	2.42	96	3089	1.76 PPB		92
23) Hexane	2.54	57	3965	1.81 PPB		98
24) Diisopropyl Ether	2.73	45	10371	1.60 PPB		90
25) 1,1-Dichloroethane	2.75	63	5740	1.72 PPB		97
26) Vinyl Acetate	2.78	86	562	2.28 PPB		95
27) Chloroprene	2.78	53	8840	3.03 PPB		97
28) tert-Butyl Ethyl Ether	2.99	59	8642	1.44 PPB		95

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

HB 11/17/10

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F006.D Vial: 5
Acq On : 15 Nov 2010 2:36 pm Operator: KR
Sample : 8260 SOIL ICAL 2 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:18:03 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2,2-Dichloropropane	3.15	77	3154	1.34	PPB		99
30)	cis-1,2-Dichloroethene	3.18	96	3274	1.61	PPB		92
31)	2-Butanone	3.21	72	1417	5.35	PPB	#	54
32)	Propionitrile	3.33	54	1328	4.23	PPB		93
33)	Methacrylonitrile	3.40	67	3037	3.51	PPB		85
34)	Bromochloromethane	3.36	128	1936	1.80	PPB		93
36)	Chloroform	3.41	83	5630	1.71	PPB		94
37)	1,1,1-Trichloroethane	3.50	97	3894	1.53	PPB		86
39)	Carbon Tetrachloride	3.59	117	3674	1.62	PPB		88
40)	1,1-Dichloropropene	3.63	75	3868	1.72	PPB		94
41)	Isobutyl Alcohol	3.78	43	3923	37.07	PPB		91
43)	Benzene	3.79	78	12325	1.77	PPB		94
44)	1,2-Dichloroethane	3.87	62	4734	1.66	PPB		98
45)	tert-Amyl Methyl Ether	3.84	55	3302	2.02	PPB	#	53
46)	Trichloroethene	4.29	95	3265	1.77	PPB		81
47)	1,2-Dichloropropane	4.53	63	3227	1.71	PPB		84
48)	Dibromomethane	4.62	93	2246	1.78	PPB		84
49)	Methyl methacrylate	4.60	69	2221	1.51	PPB		91
50)	1,4-Dioxane	4.62	88	1015	37.78	PPB		86
51)	Bromodichloromethane	4.75	83	4058	1.61	PPB		95
52)	2-Nitropropane	5.02	41	2616	4.98	PPB		96
53)	2-Chloroethyl Vinyl Ether	5.02	63	1847	1.37	PPB		94
54)	cis-1,3-Dichloropropene	5.13	75	4524	1.57	PPB		91
55)	4-Methyl-2-pentanone (MIBK	5.27	58	2404	3.12	PPB	#	72
57)	Toluene	5.37	92	7063	1.59	PPB		97
59)	trans-1,3-Dichloropropene	5.65	75	3923	1.51	PPB		98
60)	Ethyl methacrylate	5.67	69	3578	1.52	PPB		87
61)	1,1,2-Trichloroethane	5.81	83	2866	1.99	PPB		89
62)	Tetrachloroethene	5.82	164	2259	1.51	PPB		99
63)	2-Hexanone	6.02	57	834	3.16	PPB	#	86
64)	1,3-Dichloropropane	5.97	76	5407	1.86	PPB		98
65)	Dibromochloromethane	6.13	129	3339	1.69	PPB		94
66)	1,2-Dibromoethane (EDB)	6.25	107	2873	1.65	PPB		99
67)	1-Chlorohexane	6.64	91	3337	1.49	PPB		67
68)	Chlorobenzene	6.68	112	8606	1.72	PPB		95
69)	Ethylbenzene	6.75	106	3821	1.54	PPB		94
70)	1,1,1,2-Tetrachloroethane	6.77	131	2858	1.55	PPB		76
71)	m,p-Xylenes	6.87	106	8796	2.90	PPB		92
72)	o-Xylene	7.27	106	4187	1.39	PPB		84
73)	Styrene	7.30	103	3440	1.42	PPB		85
74)	Bromoform	7.50	173	2398	1.78	PPB		90

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F006.D Vial: 5
Acq On : 15 Nov 2010 2:36 pm Operator: KR
Sample : 8260 SOIL ICAL 2 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:18:03 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

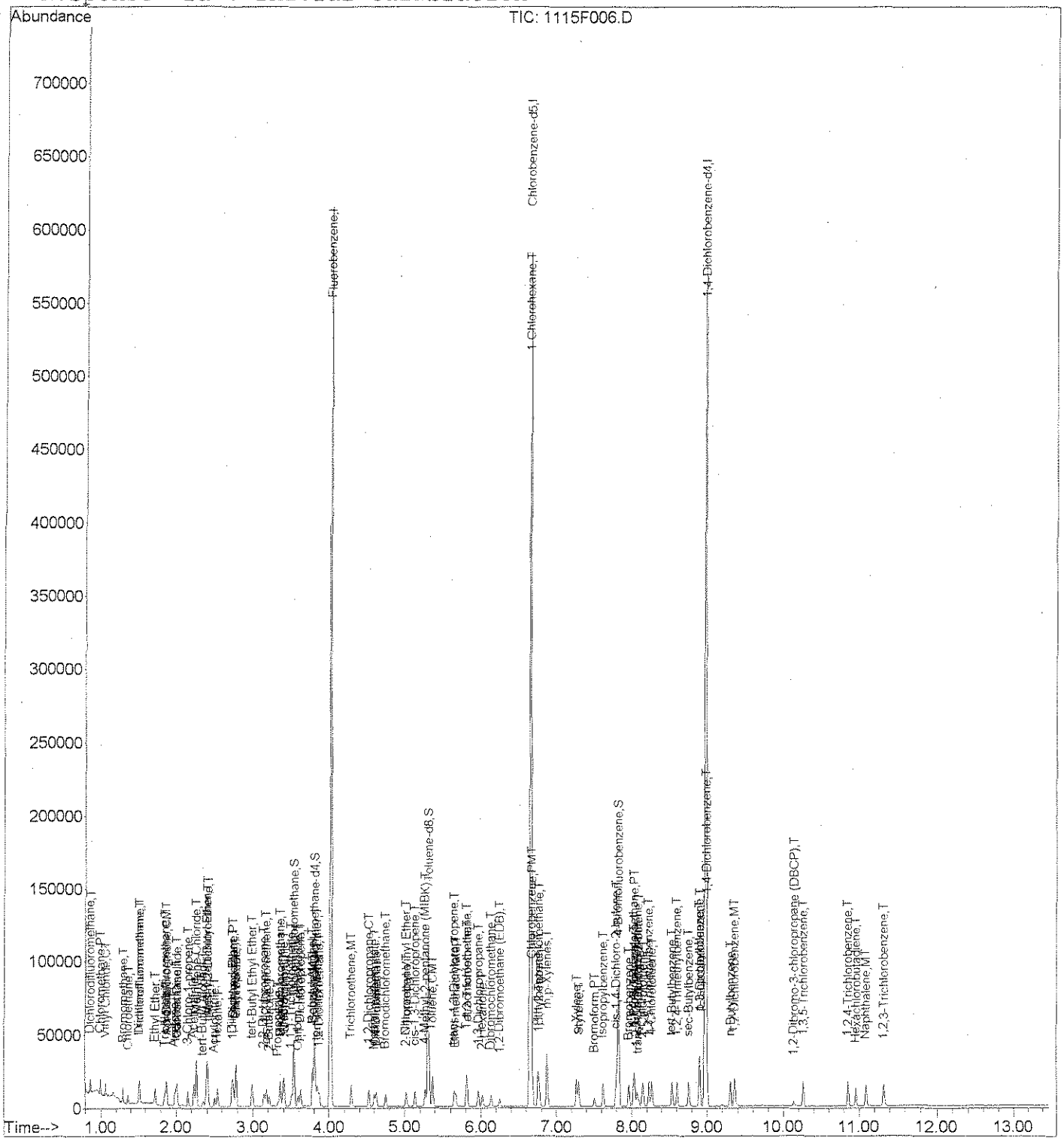
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
75)	Isopropylbenzene	7.62	105	9502	1.33	PPB		94
76)	cis-1,4-Dichloro-2-butene	7.79	89	979	3.98	PPB		91
79)	1,1,2,2-Tetrachloroethane	8.03	83	5014	2.65	PPB		92
80)	trans-1,4-Dichloro-2-buten	8.10	53	1001	2.43	PPB		65
81)	Bromobenzene	7.96	156	3462	1.71	PPB		92
82)	n-Propylbenzene	8.04	91	12609	1.63	PPB		97
83)	1,2,3-Trichloropropane	8.07	110	1376	2.07	PPB	#	70
84)	2-Chlorotoluene	8.15	91	8736	1.83	PPB		97
85)	1,3,5-Trimethylbenzene	8.23	105	8100	1.45	PPB		95
86)	4-Chlorotoluene	8.27	91	8964	1.80	PPB		96
87)	tert-Butylbenzene	8.54	119	6965	1.40	PPB		86
88)	1,2,4-Trimethylbenzene	8.60	105	8490	1.49	PPB		95
89)	sec-Butylbenzene	8.76	105	10554	1.49	PPB		97
90)	p-Isopropyltoluene	8.90	119	8343	1.39	PPB		96
91)	1,3-Dichlorobenzene	8.90	146	6956	1.90	PPB		90
92)	1,4-Dichlorobenzene	9.00	146	7399	1.98	PPB		94
93)	n-Butylbenzene	9.30	91	8283	1.59	PPB		97
94)	1,2-Dichlorobenzene	9.36	146	6885	1.91	PPB		91
95)	1,2-Dibromo-3-chloropropan	10.14	155	720	2.11	PPB	#	82
96)	1,3,5-Trichlorobenzene	10.26	180	4947	1.88	PPB		96
97)	1,2,4-Trichlorobenzene	10.86	180	4598	2.02	PPB		90
98)	Hexachlorobutadiene	10.96	225	2248	1.79	PPB		90
99)	Naphthalene	11.09	128	10385	1.81	PPB		97
100)	1,2,3-Trichlorobenzene	11.32	180	4569	2.19	PPB		90

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F006.D Vial: 5
Acq On : 15 Nov 2010 2:36 pm Operator: KR
Sample : 8260 SOIL ICAL 2 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:18 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F007.D
Acq On : 15 Nov 2010 2:57 pm
Sample : 8260 SOIL ICAL 5
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 15 15:19:23 2010

Vial: 6
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

KR 11/15/10

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	4.02	96	403050	50.00	PPB		0.00
58) Chlorobenzene-d5	6.65	82	156530	50.00	PPB		0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	140861	50.00	PPB		0.00
System Monitoring Compounds							
38) Dibromofluoromethane	3.53	113	35642	17.81	PPB		0.00
Spiked Amount 50.000			Recovery = 35.62%				
42) 1,2-Dichloroethane-d4	3.81	65	45949	17.83	PPB		0.00
Spiked Amount 50.000			Recovery = 35.66%				
56) Toluene-d8	5.31	98	120451	18.12	PPB		0.00
Spiked Amount 50.000			Recovery = 36.24%				
77) 4-Bromofluorobenzene	7.83	95	46349	17.77	PPB		0.00
Spiked Amount 50.000			Recovery = 35.54%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.86	85	8048	3.85	PPB		97
3) Chloromethane	0.99	50	11775	4.83	PPB		97
4) Vinyl Chloride	1.06	62	9871	3.90	PPB		95
5) Bromomethane	1.29	96	7284	4.64	PPB		99
6) Chloroethane	1.36	64	6983	4.39	PPB		94
7) Dichlorofluoromethane	1.52	67	15736	4.00	PPB		95
8) Trichlorofluoromethane	1.51	101	10500	3.09	PPB		99
9) Ethyl Ether	1.73	59	8876	4.65	PPB		92
10) Acrolein	1.87	56	9237	23.92	PPB		94
11) Trichlorotrifluoroethane	1.85	151	5189	4.06	PPB		93
12) 1,1-Dichloroethene	1.88	96	6286	4.46	PPB		96
13) Acetone	1.98	43	10926	13.77	PPB		92
14) Iodomethane	2.00	142	16196	6.87	PPB		99
15) Carbon Disulfide	2.01	76	25482	5.26	PPB		98
16) 3-Chloro-1-propene	2.16	76	4524	4.59	PPB	#	60
17) Acetonitrile	2.23	40	13911	85.98	PPB		99
18) Methylene Chloride	2.27	84	14181	6.32	PPB		94
19) tert-Butyl Alcohol	2.35	59	4655	16.34	PPB		93
20) Acrylonitrile	2.50	53	7535	9.49	PPB		98
21) Methyl tert-Butyl Ether	2.40	73	50402	8.21	PPB		96
22) trans-1,2-Dichloroethene	2.41	96	8210	4.47	PPB		90
23) Hexane	2.54	57	9890	4.31	PPB		96
24) Diisopropyl Ether	2.73	45	28929	4.25	PPB		91
25) 1,1-Dichloroethane	2.75	63	15562	4.43	PPB		98
26) Vinyl Acetate	2.78	86	1826	7.05	PPB	#	86
27) Chloroprene	2.78	53	23489	7.66	PPB		90
28) tert-Butyl Ethyl Ether	2.99	59	25766	4.10	PPB		90

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F007.D Vial: 6
Acq On : 15 Nov 2010 2:57 pm Operator: KR
Sample : 8260 SOIL ICAL 5 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:19:23 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	2,2-Dichloropropane	3.15	77	8172	3.30 PPB		95
30)	cis-1,2-Dichloroethene	3.18	96	9590	4.51 PPB		88
31)	2-Butanone	3.21	72	2838	10.21 PPB	#	69
32)	Propionitrile	3.32	54	2789	8.46 PPB		91
33)	Methacrylonitrile	3.40	67	8026	8.84 PPB		85
34)	Bromochloromethane	3.36	128	4990	4.42 PPB		88
36)	Chloroform	3.41	83	15126	4.37 PPB		99
37)	1,1,1-Trichloroethane	3.50	97	10129	3.80 PPB		94
39)	Carbon Tetrachloride	3.59	117	8437	3.54 PPB		98
40)	1,1-Dichloropropene	3.63	75	9920	4.21 PPB		95
41)	Isobutyl Alcohol	3.78	43	7467	67.22 PPB		86
43)	Benzene	3.79	78	34299	4.69 PPB		92
44)	1,2-Dichloroethane	3.87	62	13650	4.55 PPB		98
45)	tert-Amyl Methyl Ether	3.84	55	9259	5.39 PPB	#	53
46)	Trichloroethene	4.29	95	8700	4.50 PPB		95
47)	1,2-Dichloropropane	4.53	63	9175	4.62 PPB		90
48)	Dibromomethane	4.62	93	6184	4.67 PPB		94
49)	Methyl methacrylate	4.60	69	6209	4.03 PPB		97
50)	1,4-Dioxane	4.63	88	2253	79.88 PPB		81
51)	Bromodichloromethane	4.75	83	12186	4.60 PPB		97
52)	2-Nitropropane	5.02	41	6329	11.47 PPB		95
53)	2-Chloroethyl Vinyl Ether	5.02	63	5304	3.74 PPB		100
54)	cis-1,3-Dichloropropene	5.13	75	12925	4.27 PPB		94
55)	4-Methyl-2-pentanone (MIBK	5.27	58	6286	7.78 PPB		86
57)	Toluene	5.37	92	19005	4.08 PPB		93
59)	trans-1,3-Dichloropropene	5.65	75	11131	4.15 PPB		96
60)	Ethyl methacrylate	5.67	69	9457	3.87 PPB		88
61)	1,1,2-Trichloroethane	5.81	83	7497	5.03 PPB		95
62)	Tetrachloroethene	5.82	164	6097	3.94 PPB		95
63)	2-Hexanone	6.02	57	1958	7.16 PPB		93
64)	1,3-Dichloropropane	5.97	76	15020	5.00 PPB		97
65)	Dibromochloromethane	6.13	129	8915	4.37 PPB		97
66)	1,2-Dibromoethane (EDB)	6.25	107	8326	4.62 PPB		96
67)	1-Chlorohexane	6.64	91	8574	3.70 PPB		83
68)	Chlorobenzene	6.69	112	23682	4.56 PPB		97
69)	Ethylbenzene	6.76	106	10222	3.97 PPB		94
70)	1,1,1,2-Tetrachloroethane	6.77	131	8129	4.25 PPB		93
71)	m,p-Xylenes	6.88	106	25811	8.22 PPB		99
72)	o-Xylene	7.27	106	12202	3.90 PPB		93
73)	Styrene	7.30	103	10323m	4.12 PPB		
74)	Bromoform	7.51	173	5902	4.22 PPB		95

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F007.D Vial: 6
Acq On : 15 Nov 2010 2:57 pm Operator: KR
Sample : 8260 SOIL ICAL 5 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:19:23 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75)	Isopropylbenzene	7.62	105	27526	3.72 PPB	95
76)	cis-1,4-Dichloro-2-butene	7.79	89	2381	9.35 PPB	93
79)	1,1,2,2-Tetrachloroethane	8.03	83	11113	5.67 PPB	96
80)	trans-1,4-Dichloro-2-buten	8.10	53	2084	4.88 PPB	78
81)	Bromobenzene	7.96	156	9898	4.72 PPB	99
82)	n-Propylbenzene	8.04	91	36087	4.50 PPB	97
83)	1,2,3-Trichloropropane	8.07	110	3357	4.88 PPB	95
84)	2-Chlorotoluene	8.15	91	24213	4.88 PPB	96
85)	1,3,5-Trimethylbenzene	8.23	105	23605	4.08 PPB	98
86)	4-Chlorotoluene	8.27	91	25132	4.88 PPB	95
87)	tert-Butylbenzene	8.54	119	20887	4.06 PPB	93
88)	1,2,4-Trimethylbenzene	8.60	105	24652	4.17 PPB	96
89)	sec-Butylbenzene	8.76	105	31145	4.24 PPB	97
90)	p-Isopropyltoluene	8.90	119	24937	4.01 PPB	96
91)	1,3-Dichlorobenzene	8.90	146	17679	4.65 PPB	93
92)	1,4-Dichlorobenzene	9.00	146	18583	4.80 PPB	98
93)	n-Butylbenzene	9.31	91	24162	4.47 PPB	98
94)	1,2-Dichlorobenzene	9.36	146	17198	4.61 PPB	92
95)	1,2-Dibromo-3-chloropropan	10.14	155	1658	4.69 PPB	89
96)	1,3,5-Trichlorobenzene	10.26	180	12342	4.52 PPB	100
97)	1,2,4-Trichlorobenzene	10.85	180	11275	4.79 PPB	98
98)	Hexachlorobutadiene	10.96	225	5981	4.60 PPB	95
99)	Naphthalene	11.09	128	24745	4.16 PPB	99
100)	1,2,3-Trichlorobenzene	11.32	180	11032	5.10 PPB	96

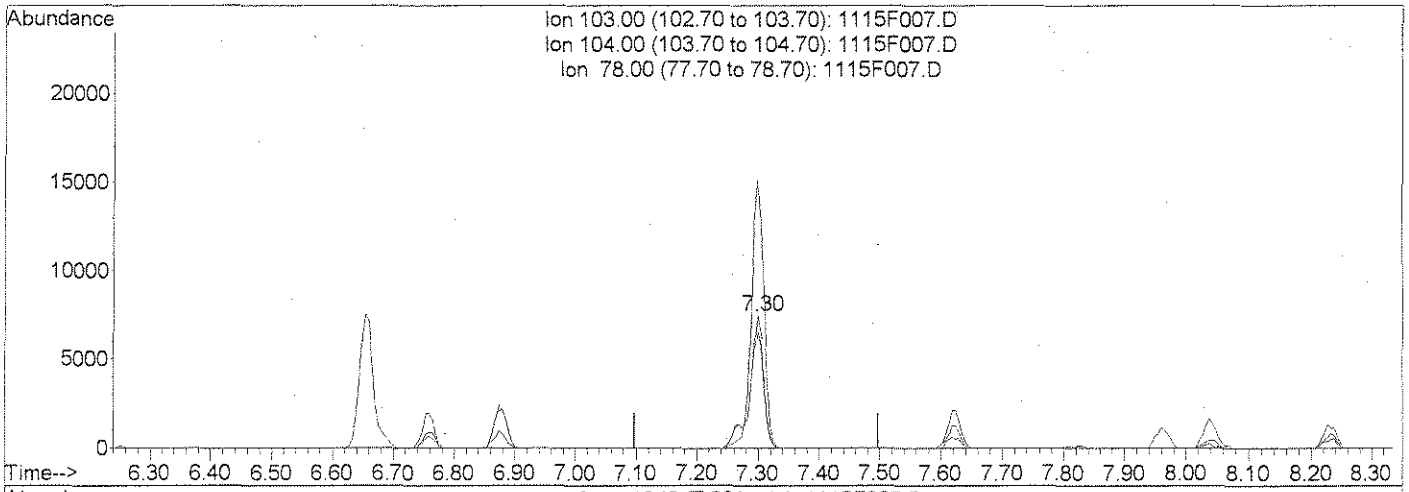
(#) = qualifier out of range (m) = manual integration

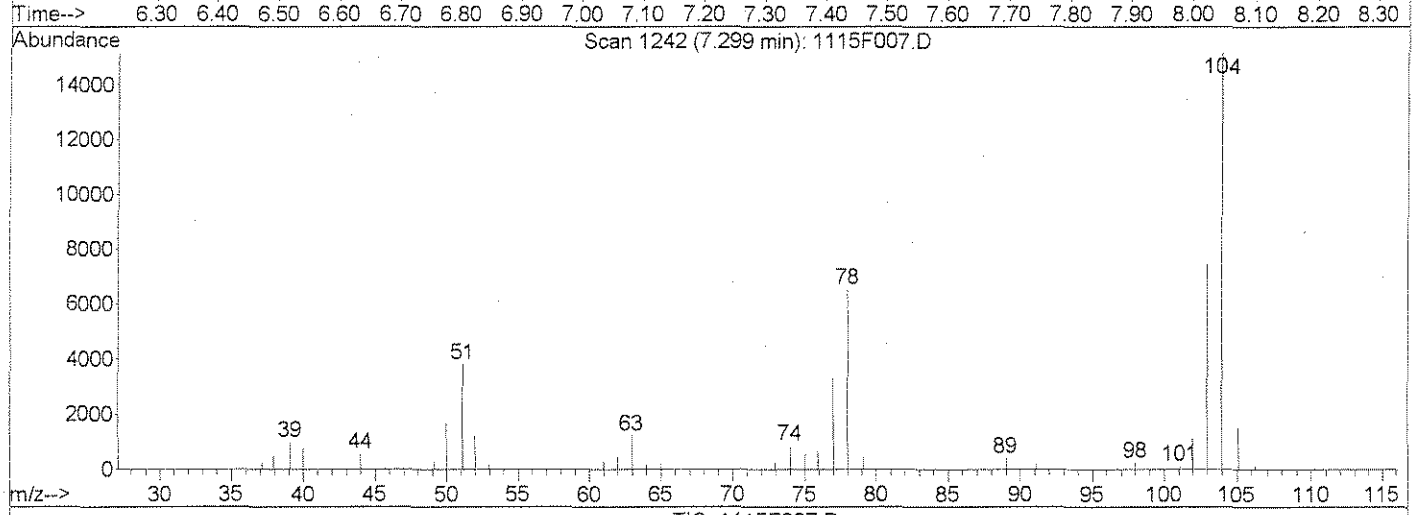
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F007.D
Acq On : 15 Nov 2010 2:57 pm
Sample : 8260 SOIL ICAL 5
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 15 15:19 2010

Vial: 6
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration





TIC: 1115F007.D

(73) Styrene (T)

7.30min 4.71PPB

response 11807

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	202.83
78.00	76.90	87.64
0.00	0.00	0.00

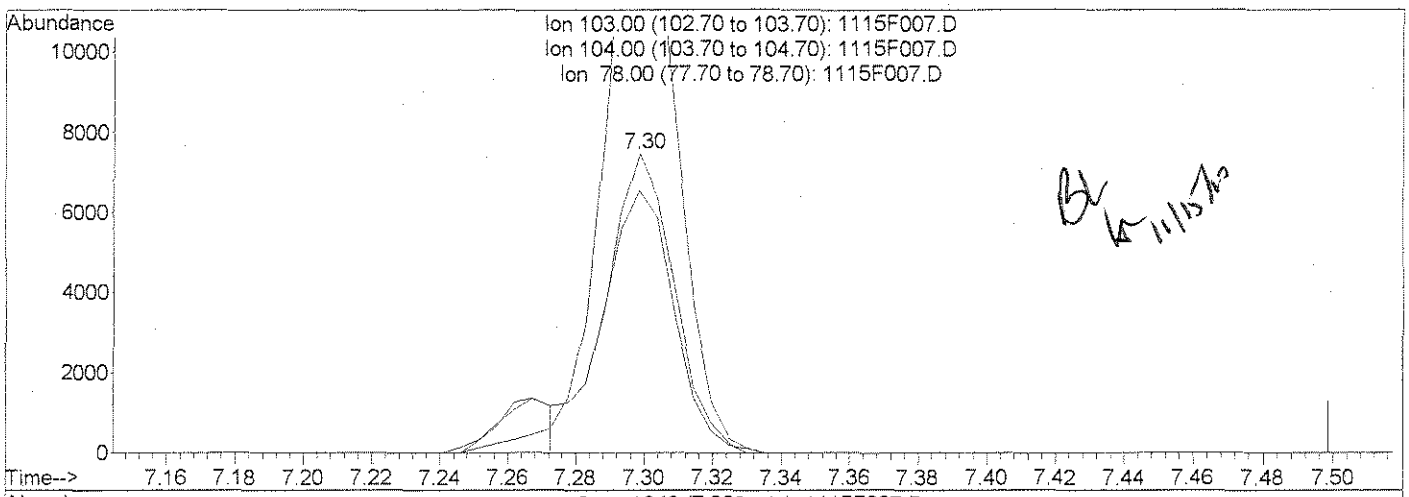
1115F007.D 111510MS24SOIL.M Mon Nov 15 15:20:03 2010

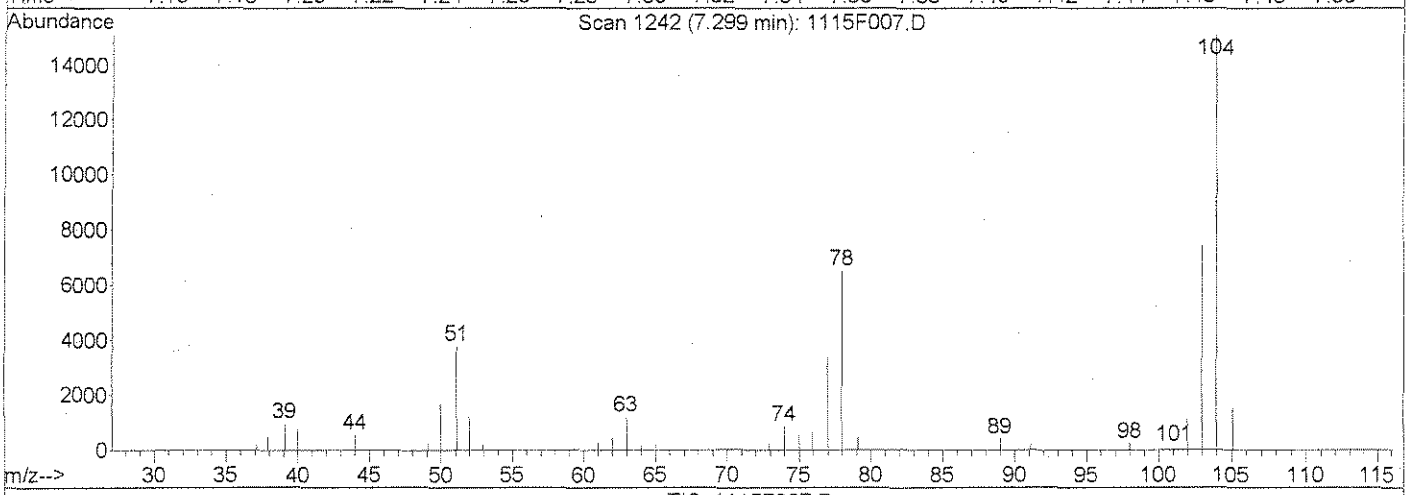
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F007.D
Acq On : 15 Nov 2010 2:57 pm
Sample : 8260 SOIL ICAL 5
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 15 15:20 2010

Vial: 6
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration





TIC: 1115F007.D

(73) Styrene (T)

7.30min 4.12PPB m

response 10323

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	202.83
78.00	76.90	87.64
0.00	0.00	0.00

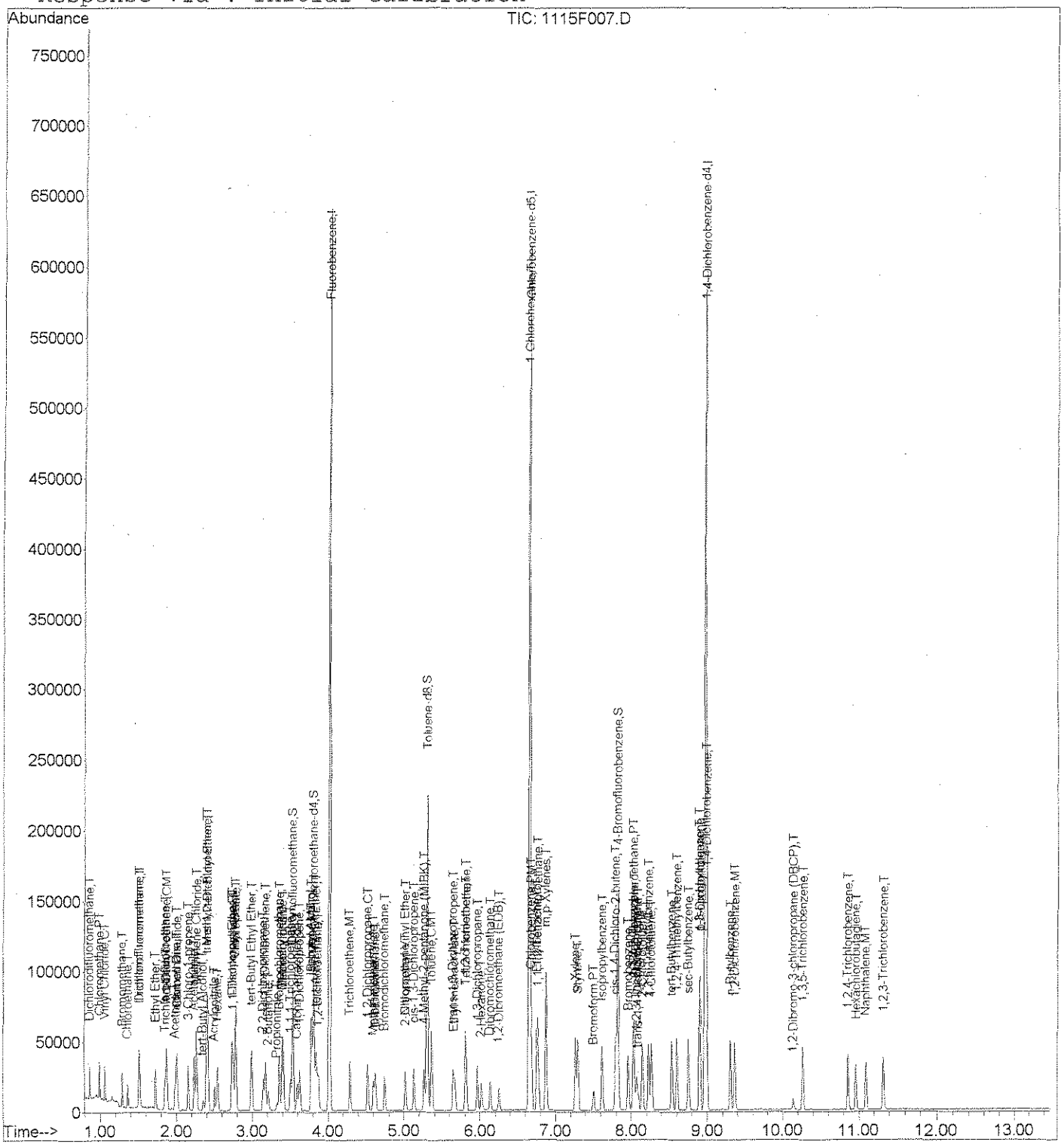
HB11-1710

1115F007.D 111510MS24SOIL.M Mon Nov 15 15:20:09 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F007.D Vial: 6
Acq On : 15 Nov 2010 2:57 pm Operator: KR
Sample : 8260 SOIL ICAL 5 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 15 15:20 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F008.D
Acq On : 15 Nov 2010 3:19 pm
Sample : 8260 SOIL ICAL 10
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 06:32:59 2010

Vial: 7
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

KR 11/16/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.02	96	399538	50.00	PPB	0.00
58) Chlorobenzene-d5	6.65	82	154018	50.00	PPB	0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	141186	50.00	PPB	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	3.54	113	55759	28.10	PPB	0.00
Spiked Amount 50.000			Recovery = 56.20%			
42) 1,2-Dichloroethane-d4	3.81	65	72842	28.52	PPB	0.00
Spiked Amount 50.000			Recovery = 57.04%			
56) Toluene-d8	5.31	98	188495	28.60	PPB	0.00
Spiked Amount 50.000			Recovery = 57.20%			
77) 4-Bromofluorobenzene	7.83	95	76251	29.72	PPB	0.00
Spiked Amount 50.000			Recovery = 59.44%			

Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.86	85	17954	8.67	PPB		98
3) Chloromethane	0.99	50	23452	9.70	PPB		100
4) Vinyl Chloride	1.06	62	21704	8.66	PPB		99
5) Bromomethane	1.30	96	15129	9.66	PPB		97
6) Chloroethane	1.36	64	14791	9.37	PPB		96
7) Dichlorofluoromethane	1.52	67	32678	8.37	PPB		95
8) Trichlorofluoromethane	1.51	101	24076	7.15	PPB		96
9) Ethyl Ether	1.73	59	18163	9.60	PPB		91
10) Acrolein	1.87	56	16440	42.95	PPB		91
11) Trichlorotrifluoroethane	1.86	151	11813	9.32	PPB		96
12) 1,1-Dichloroethene	1.88	96	13236	9.46	PPB		94
13) Acetone	1.98	43	17406	22.12	PPB		95
14) Iodomethane	2.00	142	32919	14.08	PPB		99
15) Carbon Disulfide	2.01	76	53890	11.22	PPB		99
16) 3-Chloro-1-propene	2.16	76	9227	9.44	PPB	#	66
17) Acetonitrile	2.23	40	27634	172.31	PPB		100
18) Methylene Chloride	2.27	84	24498	11.02	PPB		92
19) tert-Butyl Alcohol	2.35	59	9335	33.07	PPB		94
20) Acrylonitrile	2.50	53	14428	18.32	PPB		97
21) Methyl tert-Butyl Ether	2.40	73	100490	16.51	PPB		97
22) trans-1,2-Dichloroethene	2.42	96	16646	9.14	PPB		88
23) Hexane	2.54	57	22019	9.68	PPB		98
24) Diisopropyl Ether	2.73	45	59595	8.83	PPB		88
25) 1,1-Dichloroethane	2.75	63	32272	9.27	PPB		99
26) Vinyl Acetate	2.78	86	3194	12.43	PPB	#	47
27) Chloroprene	2.78	53	51849	17.06	PPB		94
28) tert-Butyl Ethyl Ether	2.99	59	52402	8.42	PPB		96

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

HB 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F008.D Vial: 7
Acq On : 15 Nov 2010 3:19 pm Operator: KR
Sample : 8260 SOIL ICAL 10 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:32:59 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	2,2-Dichloropropane	3.15	77	17944	7.31 PPB		97
30)	cis-1,2-Dichloroethene	3.18	96	19859	9.41 PPB		92
31)	2-Butanone	3.21	72	5033	18.26 PPB	#	77
32)	Propionitrile	3.32	54	5541	16.95 PPB		98
33)	Methacrylonitrile	3.40	67	16405	18.22 PPB	#	80
34)	Bromochloromethane	3.36	128	10510	9.38 PPB		93
36)	Chloroform	3.41	83	32439	9.45 PPB		98
37)	1,1,1-Trichloroethane	3.50	97	21796	8.24 PPB		96
39)	Carbon Tetrachloride	3.59	117	19495	8.25 PPB		96
40)	1,1-Dichloropropene	3.63	75	21597	9.26 PPB		97
41)	Isobutyl Alcohol	3.78	43	15863	144.05 PPB		96
43)	Benzene	3.79	78	71329	9.84 PPB		91
44)	1,2-Dichloroethane	3.88	62	26353	8.86 PPB		98
45)	tert-Amyl Methyl Ether	3.84	55	18482	10.85 PPB	#	63
46)	Trichloroethene	4.29	95	17912	9.35 PPB		94
47)	1,2-Dichloropropane	4.53	63	18840	9.57 PPB		90
48)	Dibromomethane	4.62	93	12407	9.46 PPB		89
49)	Methyl methacrylate	4.60	69	12544	8.21 PPB		98
50)	1,4-Dioxane	4.62	88	5932	212.17 PPB		76
51)	Bromodichloromethane	4.75	83	24836	9.46 PPB		97
52)	2-Nitropropane	5.02	41	12508	22.87 PPB		97
53)	2-Chloroethyl Vinyl Ether	5.02	63	10547	7.51 PPB		96
54)	cis-1,3-Dichloropropene	5.13	75	26249	8.74 PPB		97
55)	4-Methyl-2-pentanone (MIBK	5.27	58	11840	14.78 PPB		90
57)	Toluene	5.37	92	41521	8.99 PPB		96
59)	trans-1,3-Dichloropropene	5.65	75	22184	8.40 PPB		95
60)	Ethyl methacrylate	5.67	69	19506	8.12 PPB		91
61)	1,1,2-Trichloroethane	5.81	83	14508	9.89 PPB		89
62)	Tetrachloroethene	5.82	164	13352	8.76 PPB		94
63)	2-Hexanone	6.02	57	4200	15.61 PPB		96
64)	1,3-Dichloropropane	5.97	76	30316	10.25 PPB		96
65)	Dibromochloromethane	6.13	129	18383	9.15 PPB		100
66)	1,2-Dibromoethane (EDB)	6.25	107	16171	9.11 PPB		95
67)	1-Chlorohexane	6.64	91	18788	8.24 PPB		83
68)	Chlorobenzene	6.69	112	48803	9.55 PPB		97
69)	Ethylbenzene	6.76	106	22554	8.90 PPB		90
70)	1,1,1,2-Tetrachloroethane	6.77	131	16482	8.77 PPB		97
71)	m,p-Xylenes	6.87	106	56467	18.28 PPB		93
72)	o-Xylene	7.27	106	27758	9.01 PPB		98
73)	Styrene	7.30	103	21993m	8.92 PPB		
74)	Bromoform	7.51	173	12006	8.73 PPB		95

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F008.D Vial: 7
Acq On : 15 Nov 2010 3:19 pm Operator: KR
Sample : 8260 SOIL ICAL 10 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:32:59 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
75)	Isopropylbenzene	7.62	105	62136	8.54	PPB		99
76)	cis-1,4-Dichloro-2-butene	7.80	89	5127	20.47	PPB		84
79)	1,1,2,2-Tetrachloroethane	8.03	83	21917	11.16	PPB		98
80)	trans-1,4-Dichloro-2-buten	8.10	53	4200	9.80	PPB		81
81)	Bromobenzene	7.96	156	20431	9.73	PPB		95
82)	n-Propylbenzene	8.04	91	82665	10.29	PPB		99
83)	1,2,3-Trichloropropane	8.07	110	6479	9.40	PPB	#	81
84)	2-Chlorotoluene	8.15	91	52432	10.55	PPB		98
85)	1,3,5-Trimethylbenzene	8.23	105	55710	9.60	PPB		98
86)	4-Chlorotoluene	8.27	91	55669	10.79	PPB		94
87)	tert-Butylbenzene	8.54	119	47802	9.27	PPB		95
88)	1,2,4-Trimethylbenzene	8.60	105	57493	9.70	PPB		99
89)	sec-Butylbenzene	8.76	105	72721	9.89	PPB		98
90)	p-Isopropyltoluene	8.90	119	57899	9.29	PPB		99
91)	1,3-Dichlorobenzene	8.90	146	37227	9.77	PPB		94
92)	1,4-Dichlorobenzene	9.00	146	39041	10.06	PPB		97
93)	n-Butylbenzene	9.31	91	53641	9.91	PPB		97
94)	1,2-Dichlorobenzene	9.36	146	36809	9.85	PPB		94
95)	1,2-Dibromo-3-chloropropan	10.14	155	3182	8.99	PPB		92
96)	1,3,5-Trichlorobenzene	10.26	180	26993	9.87	PPB		95
97)	1,2,4-Trichlorobenzene	10.86	180	24041	10.18	PPB		94
98)	Hexachlorobutadiene	10.96	225	12762	9.79	PPB		95
99)	Naphthalene	11.09	128	51766	8.69	PPB		98
100)	1,2,3-Trichlorobenzene	11.32	180	23449	10.81	PPB		96

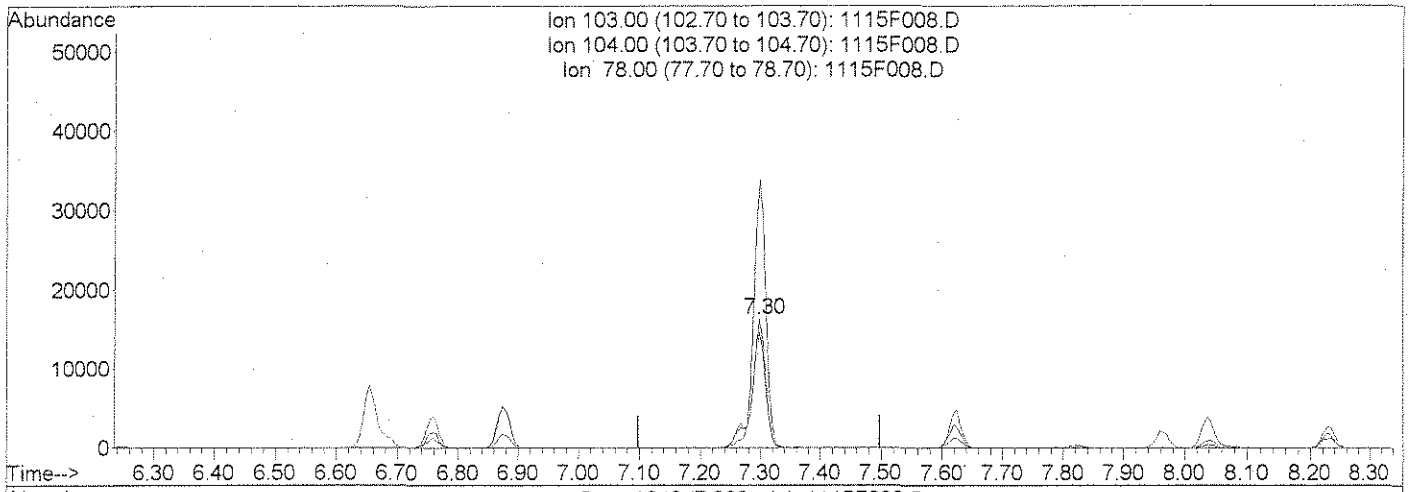
(#) = qualifier out of range (m) = manual integration

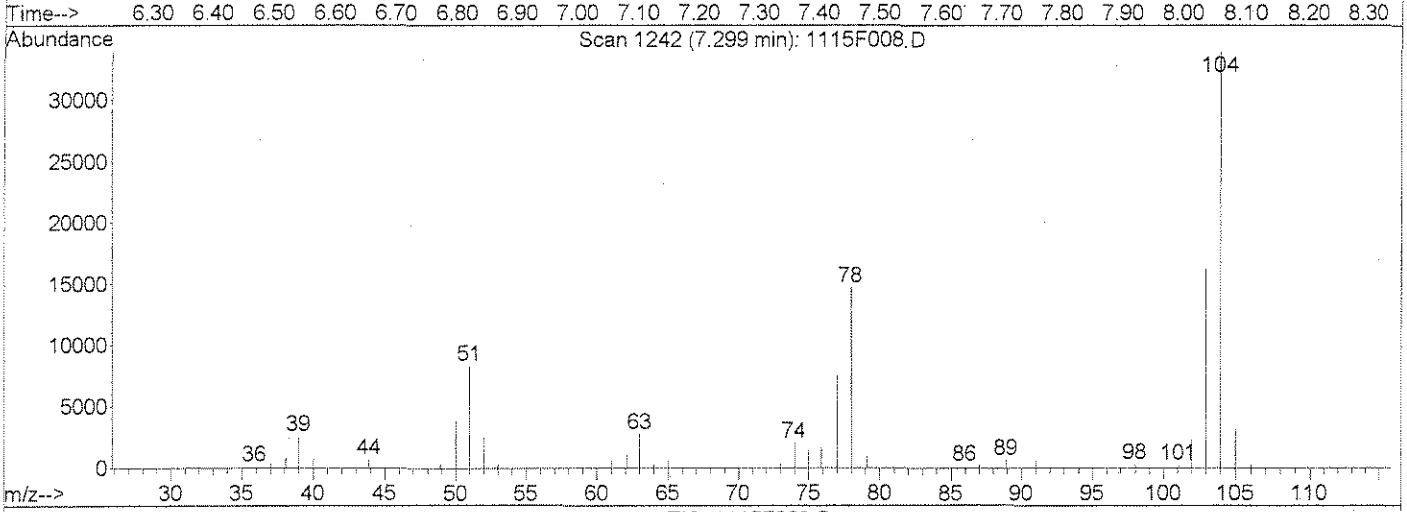
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F008.D
Acq On : 15 Nov 2010 3:19 pm
Sample : 8260 SOIL ICAL 10
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:33 2010

Vial: 7
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration





TIC: 1115F008.D

(73) Styrene (T)

7.30min 10.43PPB

response 25723

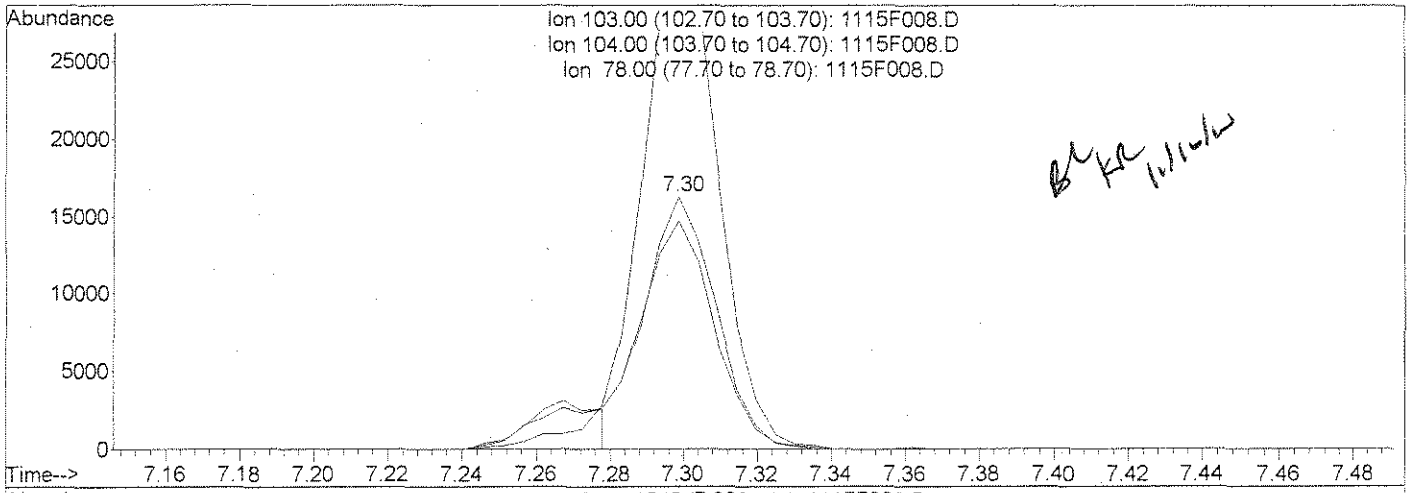
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	208.50
78.00	76.90	90.35
0.00	0.00	0.00

Quantitation Report (Qedit)

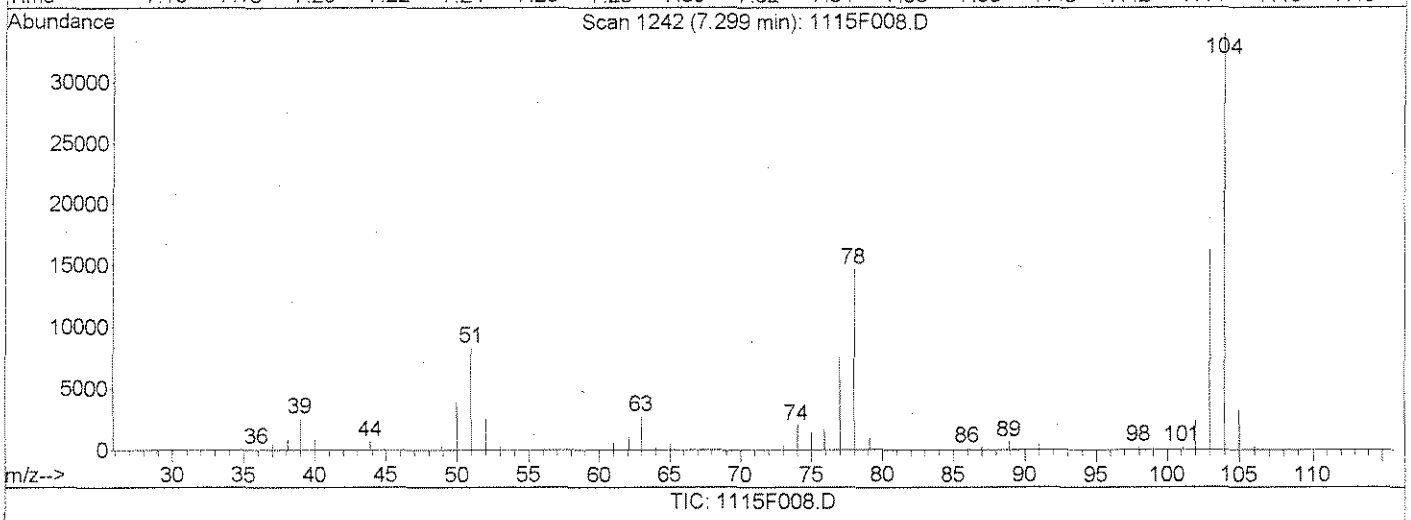
Data File : J:\MS24\DATA\111510\1115F008.D
Acq On : 15 Nov 2010 3:19 pm
Sample : 8260 SOIL ICAL 10
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:34 2010

Vial: 7
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration



BL KR 11/16/10



(73) Styrene (T)

7.30min 8.92PPB m

response 21993

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	208.50
78.00	76.90	90.35
0.00	0.00	0.00

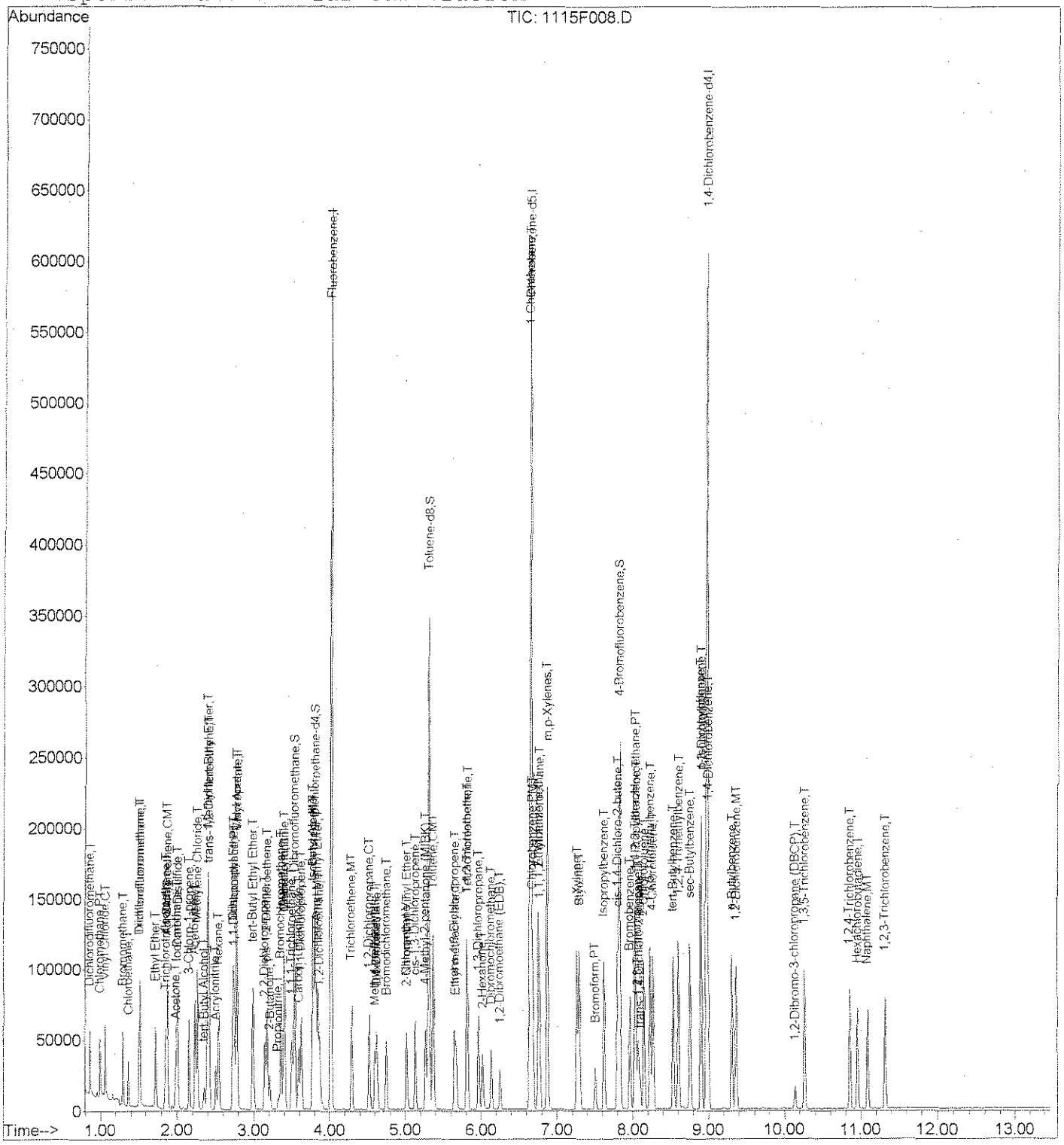
ABL 11-17-10

1115F008.D 111510MS24SOIL.M Tue Nov 16 06:35:01 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F008.D Vial: 7
Acq On : 15 Nov 2010 3:19 pm Operator: KR
Sample : 8260 SOIL ICAL 10 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 6:34 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F009.D Vial: 8
Acq On : 15 Nov 2010 3:40 pm Operator: KR
Sample : 8260 SOIL ICAL 20 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:35:43 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

kr 11/16/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.02	96	411502	50.00	PPB	0.00
58) Chlorobenzene-d5	6.65	82	160745	50.00	PPB	0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	147069	50.00	PPB	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	3.53	113	67353	32.96	PPB	0.00
Spiked Amount 50.000			Recovery = 65.92%			
42) 1,2-Dichloroethane-d4	3.81	65	88841	33.77	PPB	0.00
Spiked Amount 50.000			Recovery = 67.54%			
56) Toluene-d8	5.31	98	231860	34.16	PPB	0.00
Spiked Amount 50.000			Recovery = 68.32%			
77) 4-Bromofluorobenzene	7.83	95	94164	35.16	PPB	0.00
Spiked Amount 50.000			Recovery = 70.32%			

Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.85	85	35363	16.58	PPB		96
3) Chloromethane	0.98	50	47276	18.98	PPB		97
4) Vinyl Chloride	1.05	62	43559	16.87	PPB		98
5) Bromomethane	1.28	96	27949	17.18	PPB		98
6) Chloroethane	1.36	64	27509	16.92	PPB		96
7) Dichlorofluoromethane	1.51	67	66237	16.48	PPB		99
8) Trichlorofluoromethane	1.51	101	47475	13.68	PPB		99
9) Ethyl Ether	1.72	59	35043	17.98	PPB		92
10) Acrolein	1.87	56	34910	88.56	PPB		99
11) Trichlorotrifluoroethane	1.85	151	23975	18.37	PPB		98
12) 1,1-Dichloroethene	1.87	96	26406	18.33	PPB		87
13) Acetone	1.98	43	30830	38.04	PPB		92
14) Iodomethane	1.99	142	69887	29.02	PPB		99
15) Carbon Disulfide	2.01	76	107087	21.65	PPB		100
16) 3-Chloro-1-propene	2.15	76	18103	17.99	PPB	#	63
17) Acetonitrile	2.23	40	55153	333.90	PPB		97
18) Methylene Chloride	2.26	84	43191	18.86	PPB		88
19) tert-Butyl Alcohol	2.35	59	17654	60.71	PPB		99
20) Acrylonitrile	2.50	53	29150	35.95	PPB		95
21) Methyl tert-Butyl Ether	2.40	73	203395	32.44	PPB		95
22) trans-1,2-Dichloroethene	2.41	96	33878	18.05	PPB		90
23) Hexane	2.54	57	44602	19.05	PPB		99
24) Diisopropyl Ether	2.73	45	119797	17.24	PPB		92
25) 1,1-Dichloroethane	2.75	63	63478	17.70	PPB		98
26) Vinyl Acetate	2.78	86	6805	25.72	PPB	#	38
27) Chloroprene	2.78	53	107543	34.35	PPB		93
28) tert-Butyl Ethyl Ether	2.99	59	104446	16.29	PPB		96

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

EHB 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F009.D Vial: 8
Acq On : 15 Nov 2010 3:40 pm Operator: KR
Sample : 8260 SOIL ICAL 20 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:35:43 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	2,2-Dichloropropane	3.15	77	36414	14.40 PPB		99
30)	cis-1,2-Dichloroethene	3.17	96	39465	18.16 PPB		91
31)	2-Butanone	3.21	72	10161	35.80 PPB	#	62
32)	Propionitrile	3.32	54	11703	34.75 PPB		97
33)	Methacrylonitrile	3.40	67	33349	35.97 PPB	#	82
34)	Bromochloromethane	3.36	128	20497	17.77 PPB		91
36)	Chloroform	3.41	83	63530	17.97 PPB		99
37)	1,1,1-Trichloroethane	3.50	97	43854	16.10 PPB		97
39)	Carbon Tetrachloride	3.59	117	38909	15.99 PPB		98
40)	1,1-Dichloropropene	3.62	75	44265	18.42 PPB		96
41)	Isobutyl Alcohol	3.78	43	31393	276.79 PPB		98
43)	Benzene	3.78	78	143475	19.22 PPB		93
44)	1,2-Dichloroethane	3.87	62	53404	17.44 PPB		100
45)	tert-Amyl Methyl Ether	3.84	55	36374	20.73 PPB	#	73
46)	Trichloroethene	4.29	95	35146	17.81 PPB		96
47)	1,2-Dichloropropane	4.53	63	37252	18.37 PPB		90
48)	Dibromomethane	4.62	93	24876	18.41 PPB		91
49)	Methyl methacrylate	4.60	69	25643	16.30 PPB		98
50)	1,4-Dioxane	4.62	88	10123	351.55 PPB		77
51)	Bromodichloromethane	4.75	83	48126	17.80 PPB		98
52)	2-Nitropropane	5.02	41	26054	46.25 PPB		91
53)	2-Chloroethyl Vinyl Ether	5.02	63	21966	15.19 PPB		96
54)	cis-1,3-Dichloropropene	5.13	75	54674	17.68 PPB		92
55)	4-Methyl-2-pentanone (MIBK	5.26	58	26735	32.39 PPB		91
57)	Toluene	5.36	92	84339	17.74 PPB		97
59)	trans-1,3-Dichloropropene	5.65	75	46643	16.92 PPB		94
60)	Ethyl methacrylate	5.67	69	41878	16.69 PPB		91
61)	1,1,2-Trichloroethane	5.81	83	29573	19.32 PPB		96
62)	Tetrachloroethene	5.82	164	26456	16.64 PPB		95
63)	2-Hexanone	6.02	57	9418	33.54 PPB		97
64)	1,3-Dichloropropane	5.97	76	61500	19.93 PPB		97
65)	Dibromochloromethane	6.13	129	36645	17.48 PPB		98
66)	1,2-Dibromoethane (EDB)	6.25	107	32992	17.81 PPB		100
67)	1-Chlorohexane	6.64	91	38430	16.15 PPB		91
68)	Chlorobenzene	6.68	112	96923	18.17 PPB		95
69)	Ethylbenzene	6.76	106	47034	17.78 PPB		98
70)	1,1,1,2-Tetrachloroethane	6.77	131	32403	16.51 PPB		96
71)	m,p-Xylenes	6.87	106	117680	36.50 PPB		95
72)	o-Xylene	7.27	106	56749	17.66 PPB		95
73)	Styrene	7.30	103	45815m	17.80 PPB		
74)	Bromoform	7.51	173	24107	16.80 PPB		95

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F009.D Vial: 8
Acq On : 15 Nov 2010 3:40 pm Operator: KR
Sample : 8260 SOIL ICAL 20 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:35:43 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

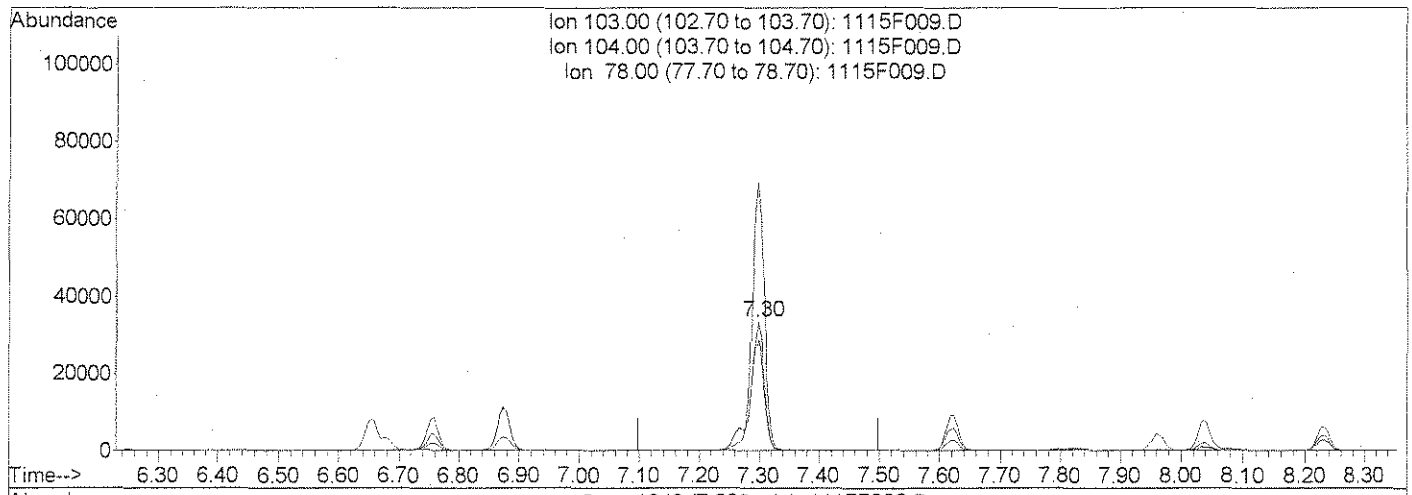
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75)	Isopropylbenzene	7.62	105	128833	16.97 PPB	98
76)	cis-1,4-Dichloro-2-butene	7.80	89	10667	40.80 PPB	98
79)	1,1,2,2-Tetrachloroethane	8.02	83	45499	22.24 PPB	95
80)	trans-1,4-Dichloro-2-buten	8.10	53	8706	19.51 PPB	83
81)	Bromobenzene	7.96	156	41167	18.82 PPB	91
82)	n-Propylbenzene	8.04	91	172745	20.64 PPB	98
83)	1,2,3-Trichloropropane	8.07	110	13888	19.34 PPB	90
84)	2-Chlorotoluene	8.15	91	108502	20.96 PPB	97
85)	1,3,5-Trimethylbenzene	8.23	105	116984	19.35 PPB	100
86)	4-Chlorotoluene	8.27	91	113684	21.16 PPB	94
87)	tert-Butylbenzene	8.54	119	99000	18.43 PPB	92
88)	1,2,4-Trimethylbenzene	8.60	105	121002	19.61 PPB	96
89)	sec-Butylbenzene	8.76	105	150906	19.70 PPB	98
90)	p-Isopropyltoluene	8.90	119	122998	18.94 PPB	98
91)	1,3-Dichlorobenzene	8.90	146	76956	19.39 PPB	98
92)	1,4-Dichlorobenzene	9.00	146	77243	19.11 PPB	97
93)	n-Butylbenzene	9.30	91	113929	20.20 PPB	97
94)	1,2-Dichlorobenzene	9.36	146	75108	19.30 PPB	96
95)	1,2-Dibromo-3-chloropropan	10.14	155	6604	17.90 PPB	98
96)	1,3,5-Trichlorobenzene	10.26	180	54487	19.12 PPB	98
97)	1,2,4-Trichlorobenzene	10.86	180	48416	19.68 PPB	95
98)	Hexachlorobutadiene	10.96	225	25262	18.61 PPB	91
99)	Naphthalene	11.09	128	113622	18.31 PPB	98
100)	1,2,3-Trichlorobenzene	11.32	180	49386	21.86 PPB	99

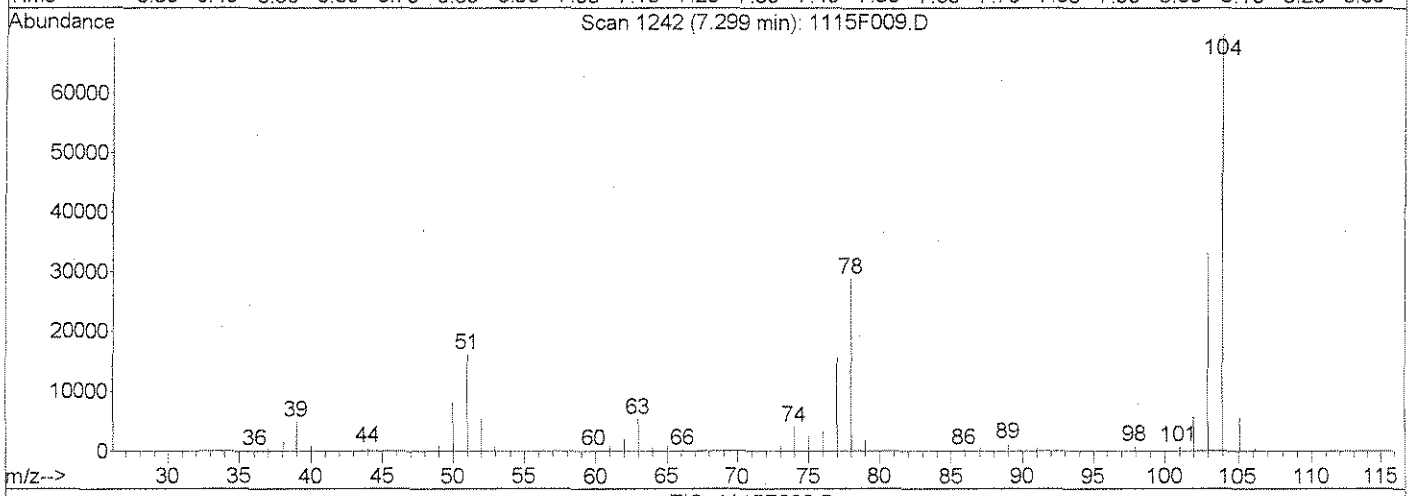
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F009.D Vial: 8
Acq On : 15 Nov 2010 3:40 pm Operator: KR
Sample : 8260 SOIL ICAL 20 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 6:35 2010 Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration





TIC: 1115F009.D

(73) Styrene (T)

7.30min 20.94PPB

response 53902

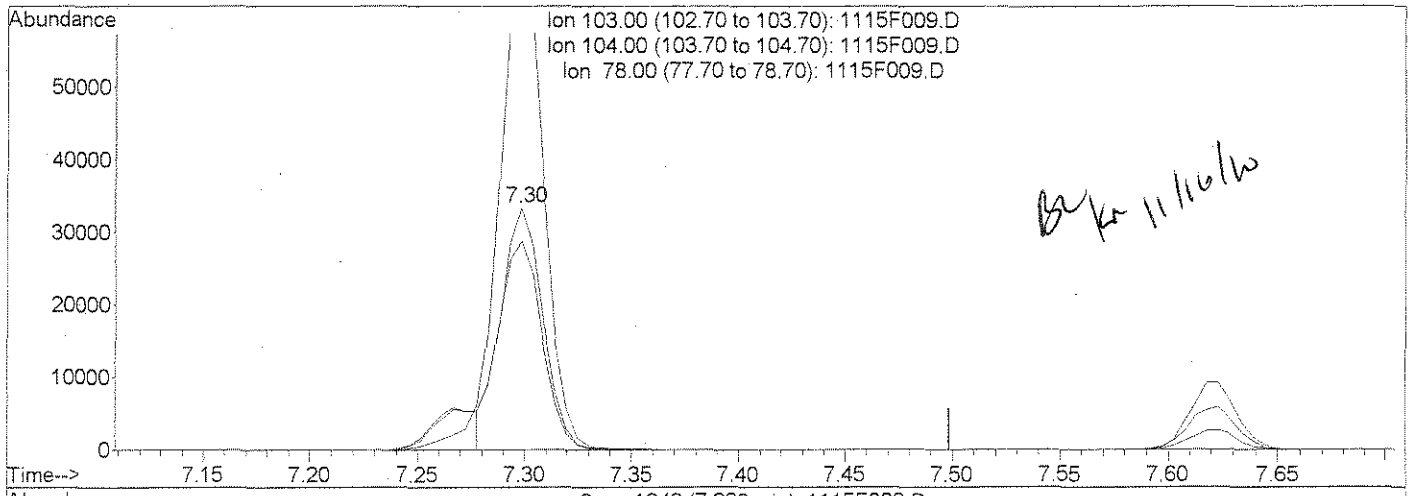
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	208.41
78.00	76.90	85.96
0.00	0.00	0.00

1115F009.D 111510MS24SOIL.M Tue Nov 16 06:36:27 2010

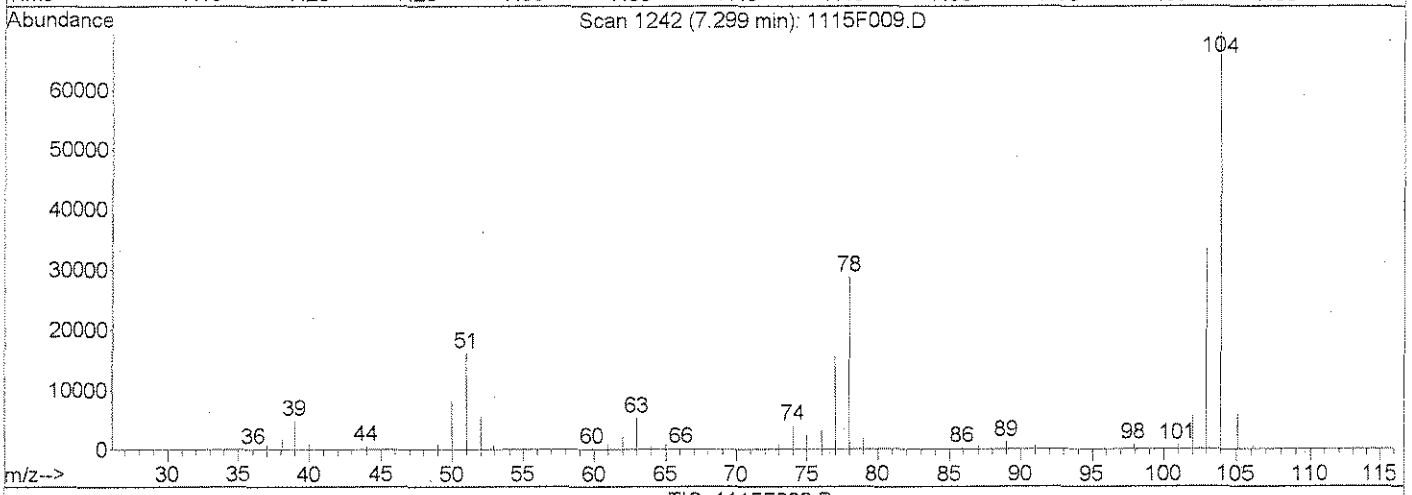
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F009.D Vial: 8
Acq On : 15 Nov 2010 3:40 pm Operator: KR
Sample : 8260 SOIL ICAL 20 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 6:36 2010 Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration



BK 11/16/10



TIC: 1115F009.D

(73) Styrene (T)

7.30min 17.80PPB m

response 45815

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	208.41
78.00	76.90	85.96
0.00	0.00	0.00

11-17-10

1115F009.D 111510MS24SOIL.M Tue Nov 16 06:36:35 2010

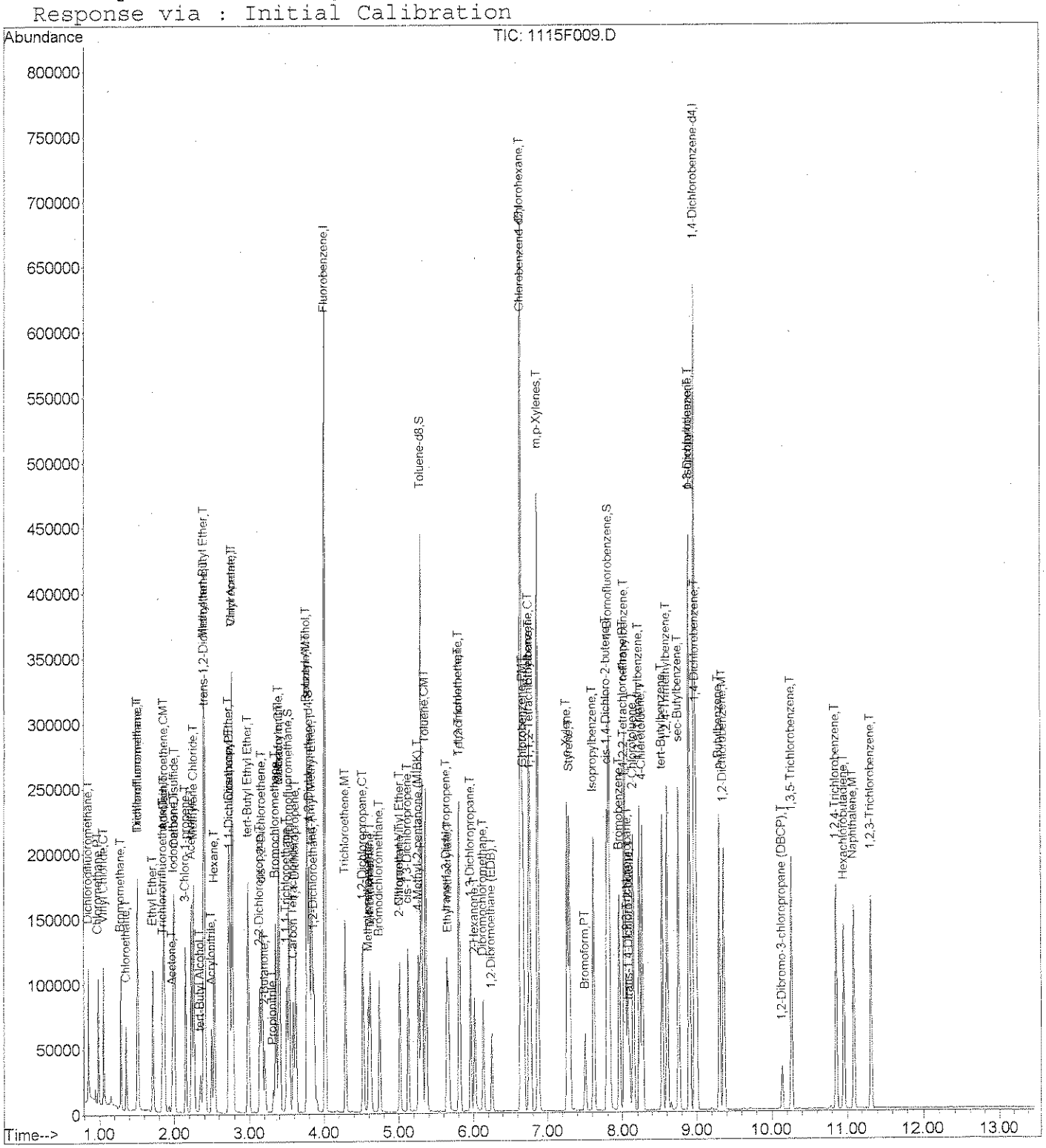
Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F009.D
Acq On : 15 Nov 2010 3:40 pm
Sample : 8260 SOIL ICAL 20
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:36 2010

Vial: 8
Operator: KR
Inst : MS24
Multiplr: 1.00

Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 4:01 pm
Sample : 8260 SOIL ICAL 50
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 06:37:04 2010

Vial: 9
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

KR 11/11/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.02	96	405028	50.00	PPB	0.00
58) Chlorobenzene-d5	6.65	82	160172	50.00	PPB	0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	144719	50.00	PPB	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	3.54	113	89882	44.69	PPB	0.00
Spiked Amount 50.000			Recovery =	89.38%		
42) 1,2-Dichloroethane-d4	3.81	65	115204	44.49	PPB	0.00
Spiked Amount 50.000			Recovery =	88.98%		
56) Toluene-d8	5.31	98	316316	47.35	PPB	0.00
Spiked Amount 50.000			Recovery =	94.70%		
77) 4-Bromofluorobenzene	7.83	95	123936	46.45	PPB	0.00
Spiked Amount 50.000			Recovery =	92.90%		

Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.86	85	82874	39.47	PPB		99
3) Chloromethane	0.99	50	113054	46.11	PPB		99
4) Vinyl Chloride	1.06	62	103709	40.80	PPB		100
5) Bromomethane	1.30	96	66035	40.17	PPB		99
6) Chloroethane	1.36	64	67831	42.40	PPB		97
7) Dichlorofluoromethane	1.52	67	161012	40.70	PPB		97
8) Trichlorofluoromethane	1.51	101	113373	33.20	PPB		99
9) Ethyl Ether	1.73	59	89761	46.80	PPB		91
10) Acrolein	1.87	56	85819	221.18	PPB		99
11) Trichlorotrifluoroethane	1.86	151	56321	43.84	PPB		96
12) 1,1-Dichloroethene	1.88	96	64459	45.46	PPB		87
13) Acetone	1.98	43	68717	86.15	PPB		94
14) Iodomethane	2.00	142	185439	78.23	PPB		99
15) Carbon Disulfide	2.01	76	262210	53.87	PPB		100
16) 3-Chloro-1-propene	2.16	76	45798	46.23	PPB	#	63
17) Acetonitrile	2.23	40	134725	828.68	PPB		98
18) Methylene Chloride	2.27	84	104599	46.40	PPB		92
19) tert-Butyl Alcohol	2.35	59	42896	149.88	PPB		97
20) Acrylonitrile	2.50	53	74396	93.21	PPB		98
21) Methyl tert-Butyl Ether	2.40	73	523922	84.89	PPB		96
22) trans-1,2-Dichloroethene	2.42	96	82835	44.85	PPB		91
23) Hexane	2.54	57	106631	46.26	PPB		97
24) Diisopropyl Ether	2.73	45	305614	44.68	PPB		91
25) 1,1-Dichloroethane	2.75	63	162755	46.12	PPB		98
26) Vinyl Acetate	2.78	86	17928	68.85	PPB	#	46
27) Chloroprene	2.78	53	265002	85.99	PPB		93
28) tert-Butyl Ethyl Ether	2.99	59	272483	43.16	PPB		96

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

HM 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F010.D Vial: 9
Acq On : 15 Nov 2010 4:01 pm Operator: KR
Sample : 8260 SOIL ICAL 50 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:37:04 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2,2-Dichloropropane	3.15	77	90471	36.36	PPB		99
30)	cis-1,2-Dichloroethene	3.18	96	100437	46.95	PPB		91
31)	2-Butanone	3.21	72	25474	91.18	PPB	#	68
32)	Propionitrile	3.32	54	28745	86.73	PPB		96
33)	Methacrylonitrile	3.40	67	87474	95.85	PPB	#	78
34)	Bromochloromethane	3.36	128	51722	45.55	PPB		94
36)	Chloroform	3.41	83	160487	46.12	PPB		98
37)	1,1,1-Trichloroethane	3.50	97	108502	40.48	PPB		98
39)	Carbon Tetrachloride	3.59	117	94076	39.29	PPB		98
40)	1,1-Dichloropropene	3.63	75	106996	45.23	PPB		99
41)	Isobutyl Alcohol	3.78	43	79842	715.22	PPB		98
43)	Benzene	3.79	78	356510	48.51	PPB		94
44)	1,2-Dichloroethane	3.88	62	133809	44.39	PPB		99
45)	tert-Amyl Methyl Ether	3.84	55	89232	51.66	PPB	#	78
46)	Trichloroethene	4.29	95	86241	44.40	PPB		93
47)	1,2-Dichloropropane	4.53	63	94379	47.29	PPB		93
48)	Dibromomethane	4.62	93	63362	47.65	PPB		94
49)	Methyl methacrylate	4.60	69	68090	43.99	PPB		96
50)	1,4-Dioxane	4.62	88	25943	915.33	PPB		86
51)	Bromodichloromethane	4.75	83	124903	46.94	PPB		96
52)	2-Nitropropane	5.02	41	66703	120.29	PPB		90
53)	2-Chloroethyl Vinyl Ether	5.02	63	58480	41.09	PPB		95
54)	cis-1,3-Dichloropropene	5.13	75	146110	48.01	PPB		96
55)	4-Methyl-2-pentanone (MIBK	5.26	58	75086	92.43	PPB		89
57)	Toluene	5.37	92	212373	45.38	PPB		95
59)	trans-1,3-Dichloropropene	5.65	75	123942	45.13	PPB		96
60)	Ethyl methacrylate	5.67	69	114802	45.93	PPB		89
61)	1,1,2-Trichloroethane	5.81	83	75055	49.21	PPB		94
62)	Tetrachloroethene	5.82	164	64024	40.41	PPB		98
63)	2-Hexanone	6.02	57	24431	87.32	PPB		98
64)	1,3-Dichloropropane	5.97	76	157217	51.13	PPB		99
65)	Dibromochloromethane	6.13	129	95002	45.49	PPB		98
66)	1,2-Dibromoethane (EDB)	6.25	107	86249	46.72	PPB		100
67)	1-Chlorohexane	6.64	91	96283	40.61	PPB		88
68)	Chlorobenzene	6.68	112	248042	46.67	PPB		96
69)	Ethylbenzene	6.76	106	119495	45.34	PPB		99
70)	1,1,1,2-Tetrachloroethane	6.77	131	86208	44.09	PPB		96
71)	m,p-Xylenes	6.87	106	299381	93.20	PPB		92
72)	o-Xylene	7.27	106	148799	46.47	PPB		93
73)	Styrene	7.30	103	123608m	48.20	PPB		
74)	Bromoform	7.51	173	61996	43.37	PPB		96

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F010.D Vial: 9
Acq On : 15 Nov 2010 4:01 pm Operator: KR
Sample : 8260 SOIL ICAL 50 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:37:04 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

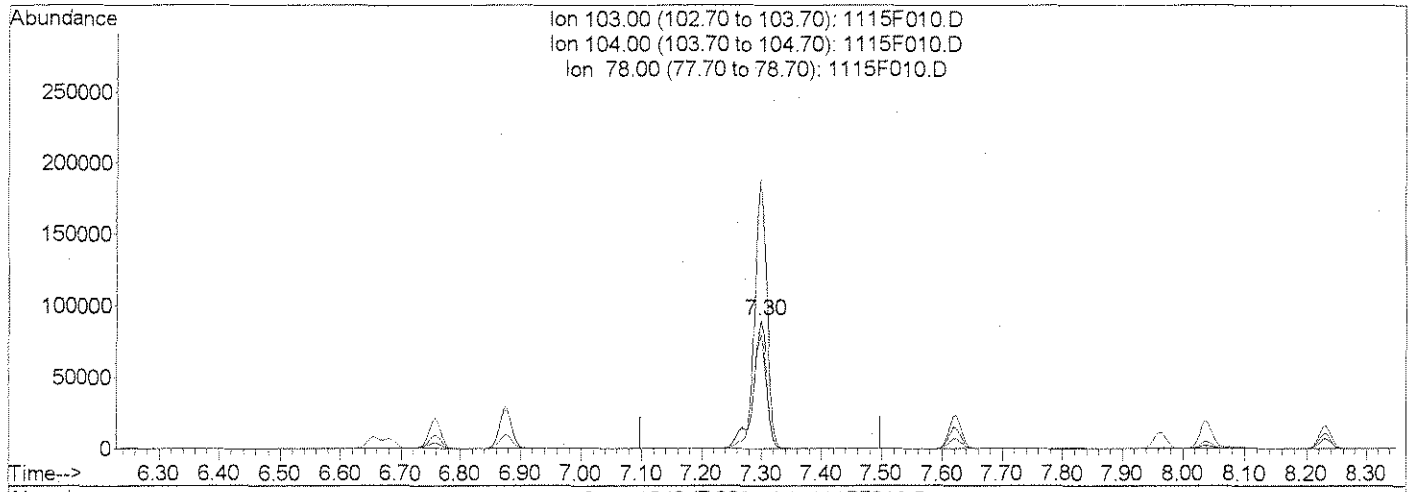
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75)	Isopropylbenzene	7.62	105	330819	43.73 PPB	99
76)	cis-1,4-Dichloro-2-butene	7.80	89	30403	116.70 PPB	97
79)	1,1,2,2-Tetrachloroethane	8.03	83	115623	57.43 PPB	96
80)	trans-1,4-Dichloro-2-buten	8.10	53	22515	51.28 PPB	87
81)	Bromobenzene	7.96	156	106482	49.46 PPB	94
82)	n-Propylbenzene	8.04	91	433449	52.63 PPB	97
83)	1,2,3-Trichloropropane	8.07	110	35031	49.58 PPB	87
84)	2-Chlorotoluene	8.15	91	274096	53.81 PPB	97
85)	1,3,5-Trimethylbenzene	8.23	105	304310	51.16 PPB	100
86)	4-Chlorotoluene	8.27	91	287333	54.34 PPB	95
87)	tert-Butylbenzene	8.54	119	253493	47.94 PPB	93
88)	1,2,4-Trimethylbenzene	8.60	105	315857	52.01 PPB	98
89)	sec-Butylbenzene	8.76	105	378775	50.24 PPB	99
90)	p-Isopropyltoluene	8.90	119	312975	48.98 PPB	98
91)	1,3-Dichlorobenzene	8.90	146	190203	48.71 PPB	99
92)	1,4-Dichlorobenzene	9.00	146	194438	48.88 PPB	98
93)	n-Butylbenzene	9.31	91	285520	51.46 PPB	99
94)	1,2-Dichlorobenzene	9.36	146	190435	49.72 PPB	95
95)	1,2-Dibromo-3-chloropropan	10.14	155	16794	46.27 PPB	95
96)	1,3,5-Trichlorobenzene	10.26	180	132741	47.33 PPB	99
97)	1,2,4-Trichlorobenzene	10.86	180	122150	50.46 PPB	98
98)	Hexachlorobutadiene	10.96	225	60548	45.33 PPB	99
99)	Naphthalene	11.09	128	309367	50.67 PPB	99
100)	1,2,3-Trichlorobenzene	11.32	180	123400	55.51 PPB	97

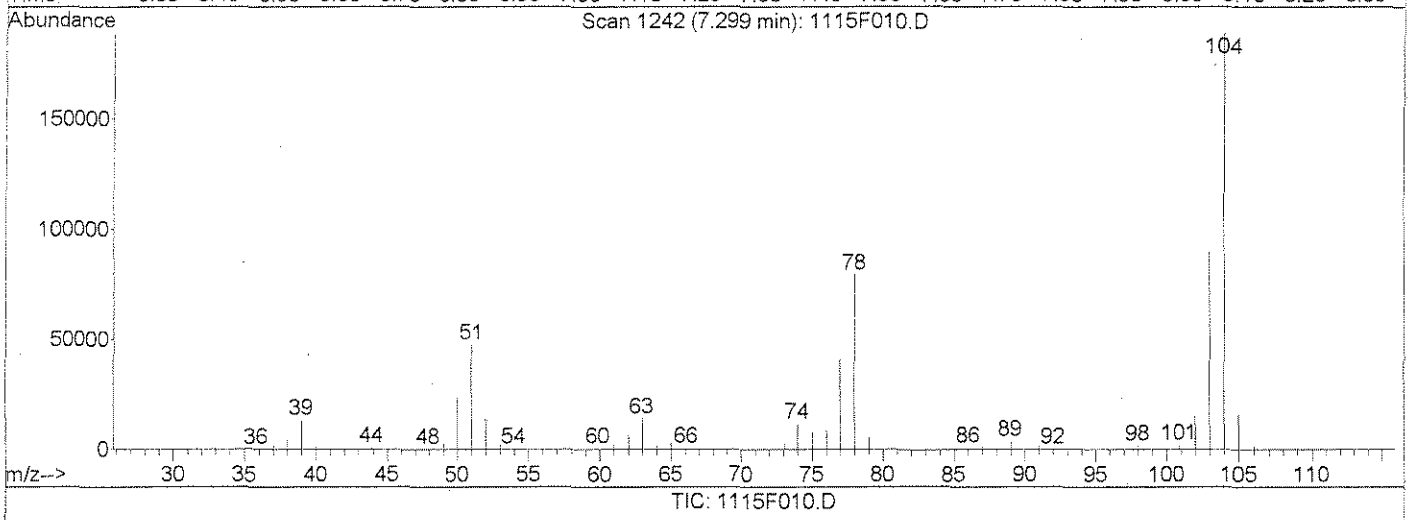
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F010.D Vial: 9
Acq On : 15 Nov 2010 4:01 pm Operator: KR
Sample : 8260 SOIL ICAL 50 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 6:37 2010 Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration





(73) Styrene (T)

7.30min 56.26PPB

response 144271

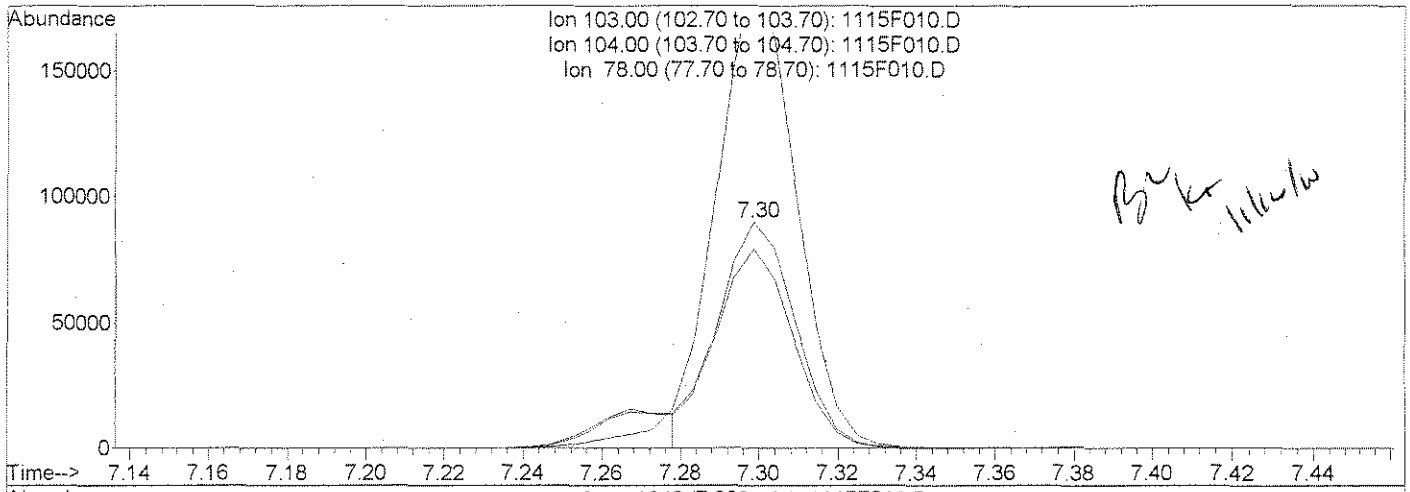
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	210.25
78.00	76.90	88.30
0.00	0.00	0.00

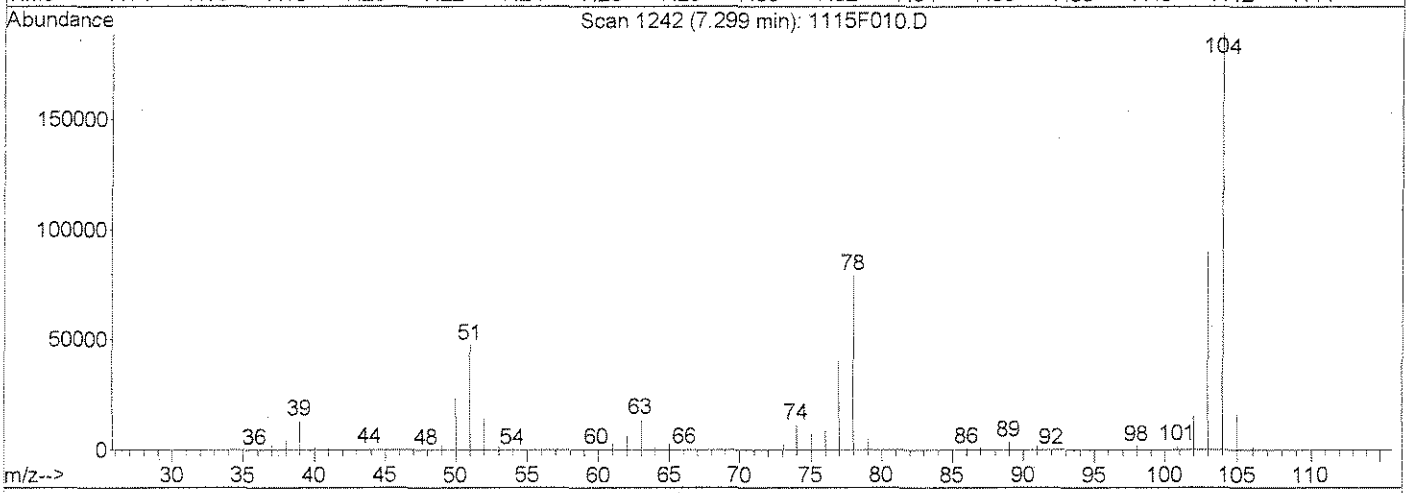
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 4:01 pm
Sample : 8260 SOIL ICAL 50
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:37 2010

Vial: 9
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration





TIC: 1115F010.D

(73) Styrene (T)

7.30min 48.20PPB m

response 123608

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	210.25
78.00	76.90	88.30
0.00	0.00	0.00

1115F010.D 111510MS24SOIL.M Tue Nov 16 06:37:45 2010

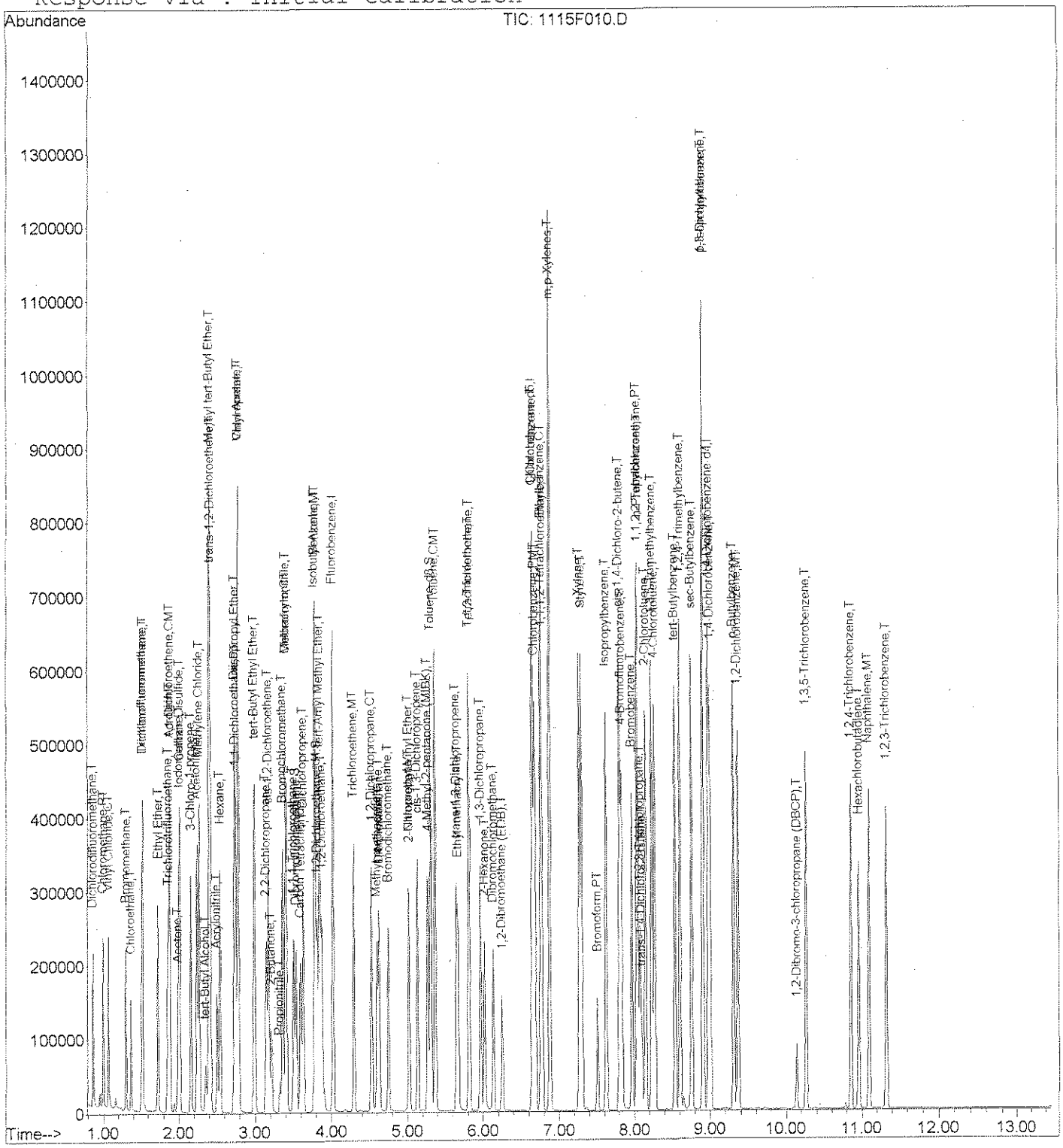
Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 4:01 pm
Sample : 8260 SOIL ICAL 50
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:37 2010

Vial: 9
Operator: KR
Inst : MS24
Multiplr: 1.00

Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F011.D Vial: 10
Acq On : 15 Nov 2010 4:22 pm Operator: KR
Sample : 8260 SOIL ICAL 100 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:38:09 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

KR 11/16/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.02	96	423811	50.00	PPB	0.00
58) Chlorobenzene-d5	6.65	82	169019	50.00	PPB	0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	151396	50.00	PPB	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	3.53	113	132615	63.01	PPB	0.00
Spiked Amount 50.000			Recovery =		126.02%	
42) 1,2-Dichloroethane-d4	3.81	65	166707	61.53	PPB	0.00
Spiked Amount 50.000			Recovery =		123.06%	
56) Toluene-d8	5.31	98	478265	68.42	PPB	0.00
Spiked Amount 50.000			Recovery =		136.84%	
77) 4-Bromofluorobenzene	7.83	95	184302	65.45	PPB	0.00
Spiked Amount 50.000			Recovery =		130.90%	

Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.85	85	170267	77.49	PPB		97
3) Chloromethane	0.99	50	230577	89.87	PPB		98
4) Vinyl Chloride	1.05	62	212209	79.78	PPB		99
5) Bromomethane	1.28	96	122532	69.03	PPB		98
6) Chloroethane	1.36	64	135500	80.94	PPB		96
7) Dichlorofluoromethane	1.52	67	320760	77.48	PPB		96
8) Trichlorofluoromethane	1.51	101	232225	64.98	PPB		98
9) Ethyl Ether	1.72	59	181177	90.28	PPB		92
10) Acrolein	1.87	56	175953	433.39	PPB		98
11) Trichlorotrifluoroethane	1.85	151	116706	86.82	PPB		95
12) 1,1-Dichloroethene	1.87	96	135678	91.45	PPB		91
13) Acetone	1.98	43	135545	162.41	PPB		93
14) Iodomethane	1.99	142	396980	160.06	PPB		100
15) Carbon Disulfide	2.01	76	548137	107.62	PPB		100
16) 3-Chloro-1-propene	2.15	76	96364	92.96	PPB	#	59
17) Acetonitrile	2.23	40	276359	1624.51	PPB		99
18) Methylene Chloride	2.26	84	206993	87.75	PPB		91
19) tert-Butyl Alcohol	2.35	59	92516	308.93	PPB		98
20) Acrylonitrile	2.50	53	154773	185.32	PPB		98
21) Methyl tert-Butyl Ether	2.40	73	1104140	170.98	PPB		97
22) trans-1,2-Dichloroethene	2.41	96	173069	89.55	PPB		90
23) Hexane	2.54	57	227236	94.22	PPB		99
24) Diisopropyl Ether	2.73	45	646431	90.32	PPB		93
25) 1,1-Dichloroethane	2.75	63	337490	91.39	PPB		98
26) Vinyl Acetate	2.78	86	37873	139.00	PPB	#	42
27) Chloroprene	2.78	53	567680	176.05	PPB		93
28) tert-Butyl Ethyl Ether	2.99	59	576060	87.21	PPB		95

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

HB 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F011.D Vial: 10
Acq On : 15 Nov 2010 4:22 pm Operator: KR
Sample : 8260 SOIL ICAL 100 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:38:09 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29) 2,2-Dichloropropane	3.15	77	195194	74.97	PPB		98
30) cis-1,2-Dichloroethene	3.17	96	208389	93.10	PPB		90
31) 2-Butanone	3.21	72	53183	181.91	PPB	#	66
32) Propionitrile	3.32	54	60427	174.24	PPB		97
33) Methacrylonitrile	3.40	67	185045	193.78	PPB	#	82
34) Bromochloromethane	3.36	128	107540	90.51	PPB		90
36) Chloroform	3.41	83	332216	91.23	PPB		99
37) 1,1,1-Trichloroethane	3.50	97	229848	81.94	PPB		99
39) Carbon Tetrachloride	3.59	117	201309	80.35	PPB		96
40) 1,1-Dichloropropene	3.62	75	230119	92.97	PPB		98
41) Isobutyl Alcohol	3.78	43	181736	1555.84	PPB		99
43) Benzene	3.79	78	750268	97.57	PPB		95
44) 1,2-Dichloroethane	3.87	62	274141	86.92	PPB		100
45) tert-Amyl Methyl Ether	3.84	55	185100	102.42	PPB	#	85
46) Trichloroethene	4.29	95	181678	89.38	PPB		98
47) 1,2-Dichloropropane	4.53	63	200828	96.17	PPB		95
48) Dibromomethane	4.62	93	130681	93.92	PPB		93
49) Methyl methacrylate	4.60	69	150456	92.89	PPB		96
50) 1,4-Dioxane	4.62	88	56577	1907.71	PPB		81
51) Bromodichloromethane	4.75	83	261977	94.10	PPB		99
52) 2-Nitropropane	5.02	41	143479	247.28	PPB		92
53) 2-Chloroethyl Vinyl Ether	5.02	63	129068	86.67	PPB		95
54) cis-1,3-Dichloropropene	5.13	75	313747	98.52	PPB		98
55) 4-Methyl-2-pentanone (MIBK	5.26	58	166772	196.20	PPB		89
57) Toluene	5.37	92	446693	91.23	PPB		98
59) trans-1,3-Dichloropropene	5.65	75	271299	93.61	PPB		97
60) Ethyl methacrylate	5.67	69	255764	96.97	PPB		90
61) 1,1,2-Trichloroethane	5.81	83	159202	98.92	PPB		97
62) Tetrachloroethene	5.82	164	135958	81.32	PPB		96
63) 2-Hexanone	6.02	57	55197	186.96	PPB		95
64) 1,3-Dichloropropane	5.97	76	330932	101.98	PPB		99
65) Dibromochloromethane	6.13	129	199565	90.55	PPB		98
66) 1,2-Dibromoethane (EDB)	6.25	107	182117	93.49	PPB		98
67) 1-Chlorohexane	6.64	91	215029	85.95	PPB		91
68) Chlorobenzene	6.68	112	517428	92.25	PPB		96
69) Ethylbenzene	6.76	106	254822	91.63	PPB		96
70) 1,1,1,2-Tetrachloroethane	6.77	131	180383	87.43	PPB		97
71) m,p-Xylenes	6.87	106	638741	188.44	PPB		92
72) o-Xylene	7.27	106	316486	93.66	PPB		91
73) Styrene	7.30	103	262176m	96.89	PPB		
74) Bromoform	7.51	173	133022	88.18	PPB		95

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F011.D Vial: 10
Acq On : 15 Nov 2010 4:22 pm Operator: KR
Sample : 8260 SOIL ICAL 100 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:38:09 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75)	Isopropylbenzene	7.62	105	712864	89.30 PPB	99
76)	cis-1,4-Dichloro-2-butene	7.80	89	67366	245.04 PPB	99
79)	1,1,2,2-Tetrachloroethane	8.03	83	242502	115.13 PPB	97
80)	trans-1,4-Dichloro-2-buten	8.10	53	47083	102.50 PPB	95
81)	Bromobenzene	7.96	156	223846	99.39 PPB	92
82)	n-Propylbenzene	8.04	91	927460	107.64 PPB	98
83)	1,2,3-Trichloropropane	8.07	110	72375	97.91 PPB	87
84)	2-Chlorotoluene	8.15	91	579804	108.81 PPB	96
85)	1,3,5-Trimethylbenzene	8.23	105	641549	103.09 PPB	100
86)	4-Chlorotoluene	8.27	91	602534	108.92 PPB	95
87)	tert-Butylbenzene	8.54	119	539696	97.57 PPB	94
88)	1,2,4-Trimethylbenzene	8.60	105	667761	105.11 PPB	98
89)	sec-Butylbenzene	8.76	105	805992	102.20 PPB	99
90)	p-Isopropyltoluene	8.90	119	667176	99.81 PPB	98
91)	1,3-Dichlorobenzene	8.90	146	394134	96.49 PPB	97
92)	1,4-Dichlorobenzene	9.00	146	400905	96.35 PPB	97
93)	n-Butylbenzene	9.31	91	617699	106.41 PPB	97
94)	1,2-Dichlorobenzene	9.36	146	388534	96.97 PPB	96
95)	1,2-Dibromo-3-chloropropan	10.14	155	36214	95.37 PPB	90
96)	1,3,5-Trichlorobenzene	10.26	180	279899	95.40 PPB	100
97)	1,2,4-Trichlorobenzene	10.86	180	257050	101.50 PPB	98
98)	Hexachlorobutadiene	10.96	225	128585	92.03 PPB	99
99)	Naphthalene	11.09	128	682391	106.83 PPB	99
100)	1,2,3-Trichlorobenzene	11.32	180	258726	111.25 PPB	97

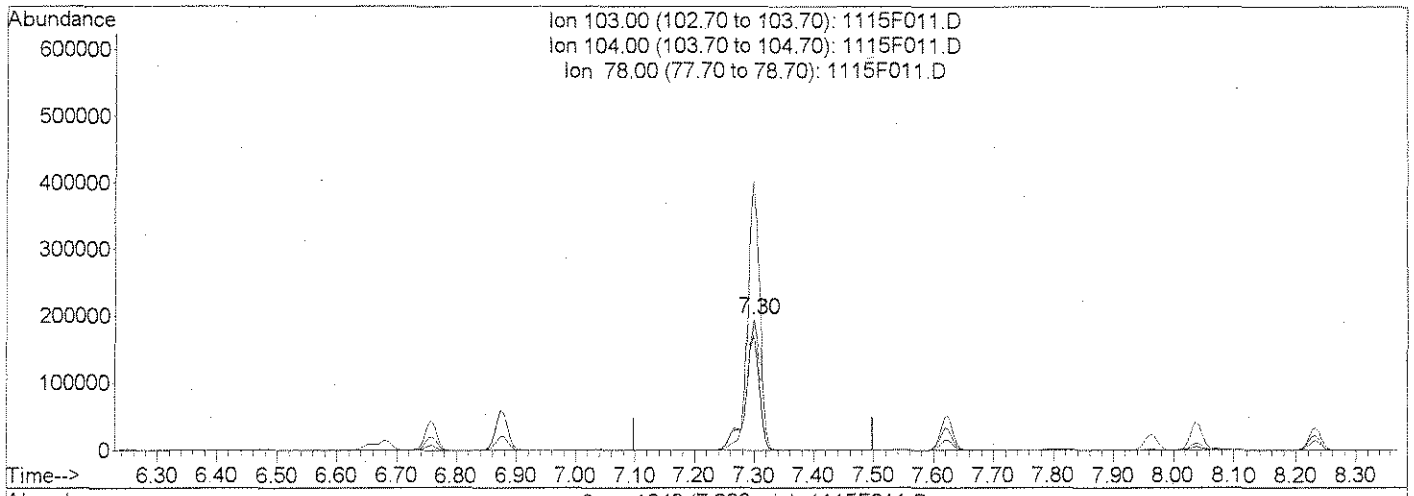
(#) = qualifier out of range (m) = manual integration

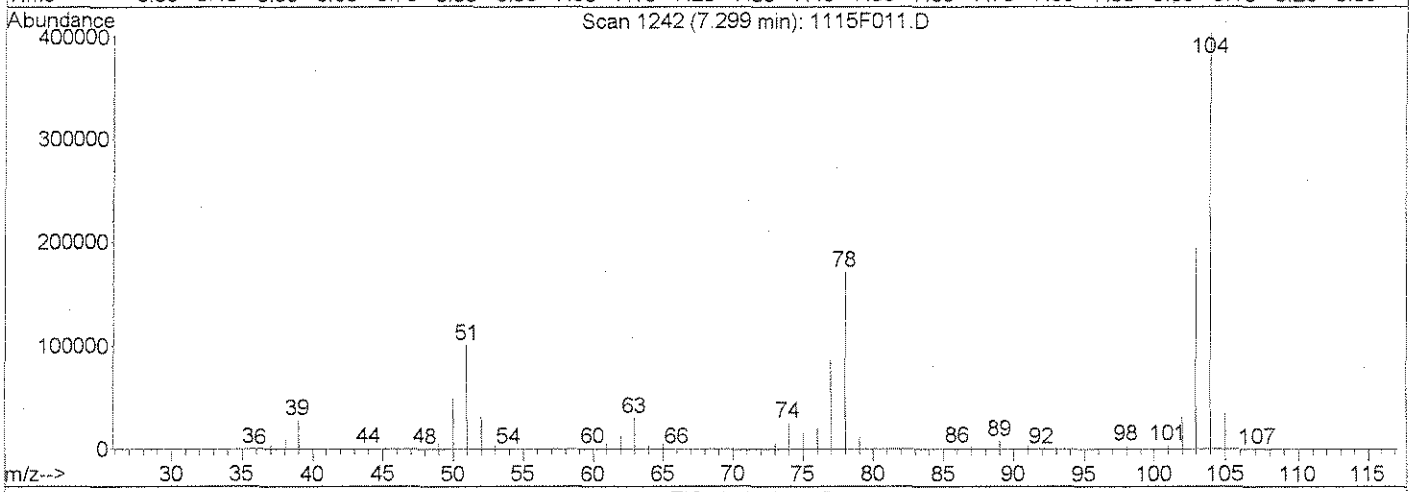
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F011.D
Acq On : 15 Nov 2010 4:22 pm
Sample : 8260 SOIL ICAL 100
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:38 2010

Vial: 10
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration





TIC: 1115F011.D

(73) Styrene (T)

7.30min 112.78PPB

response 305175

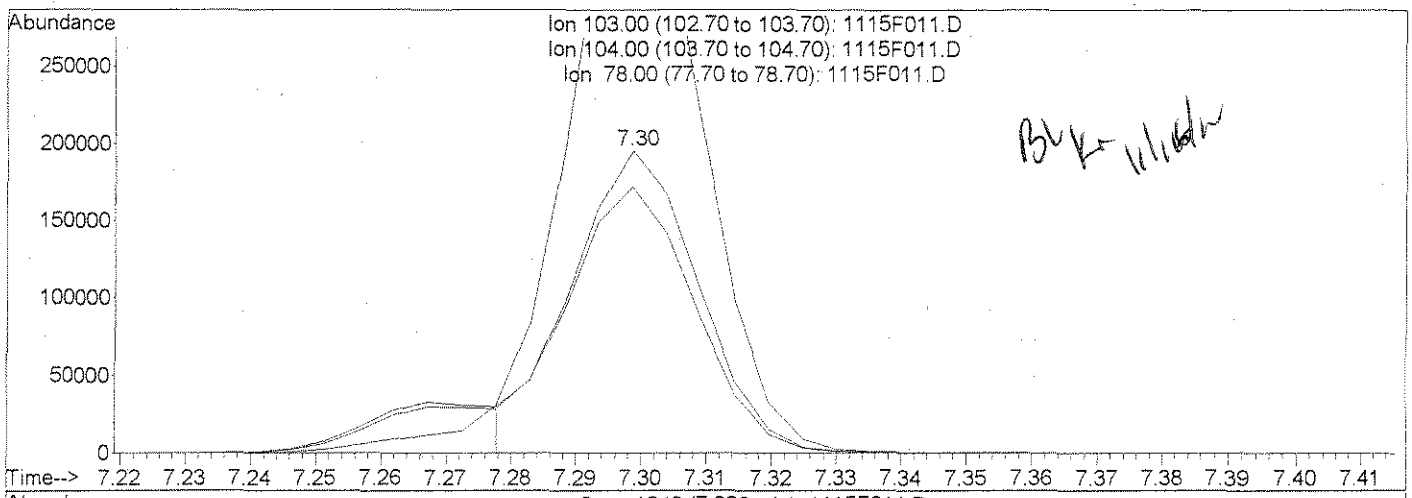
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	206.56
78.00	76.90	87.93
0.00	0.00	0.00

Quantitation Report (Qedit)

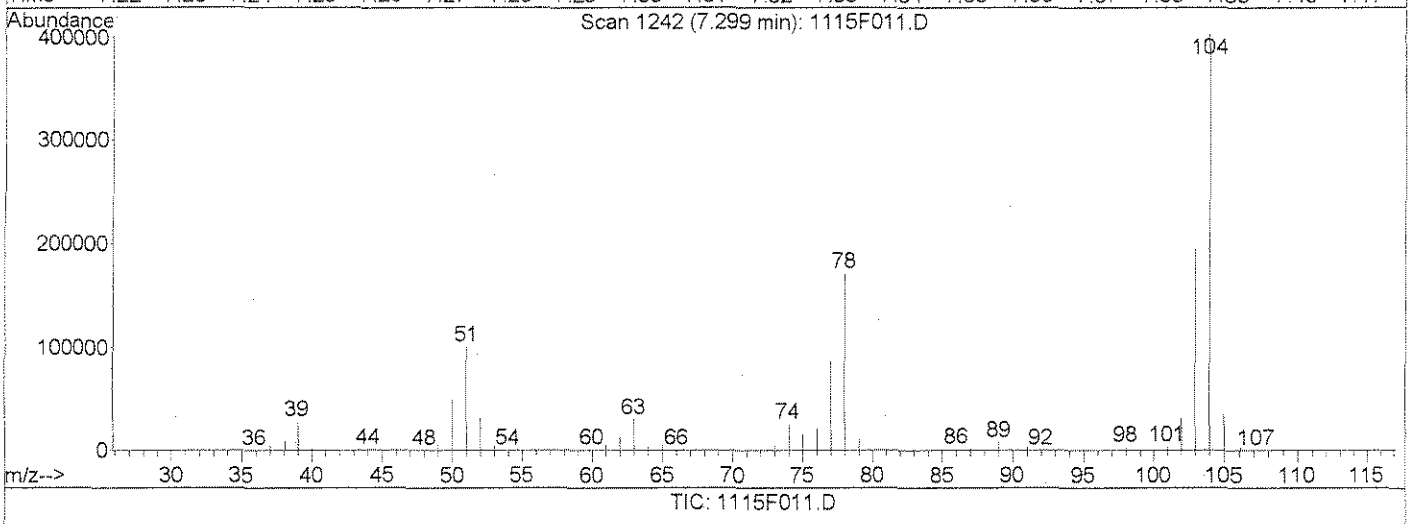
Data File : J:\MS24\DATA\111510\1115F011.D
Acq On : 15 Nov 2010 4:22 pm
Sample : 8260 SOIL ICAL 100
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:40 2010

Vial: 10
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration



BLK 11/16/10



TIC: 1115F011.D

(73) Styrene (T)

7.30min 96.89PPB m

response 262176

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	206.56
78.00	76.90	87.93
0.00	0.00	0.00

HBL 11-17-10

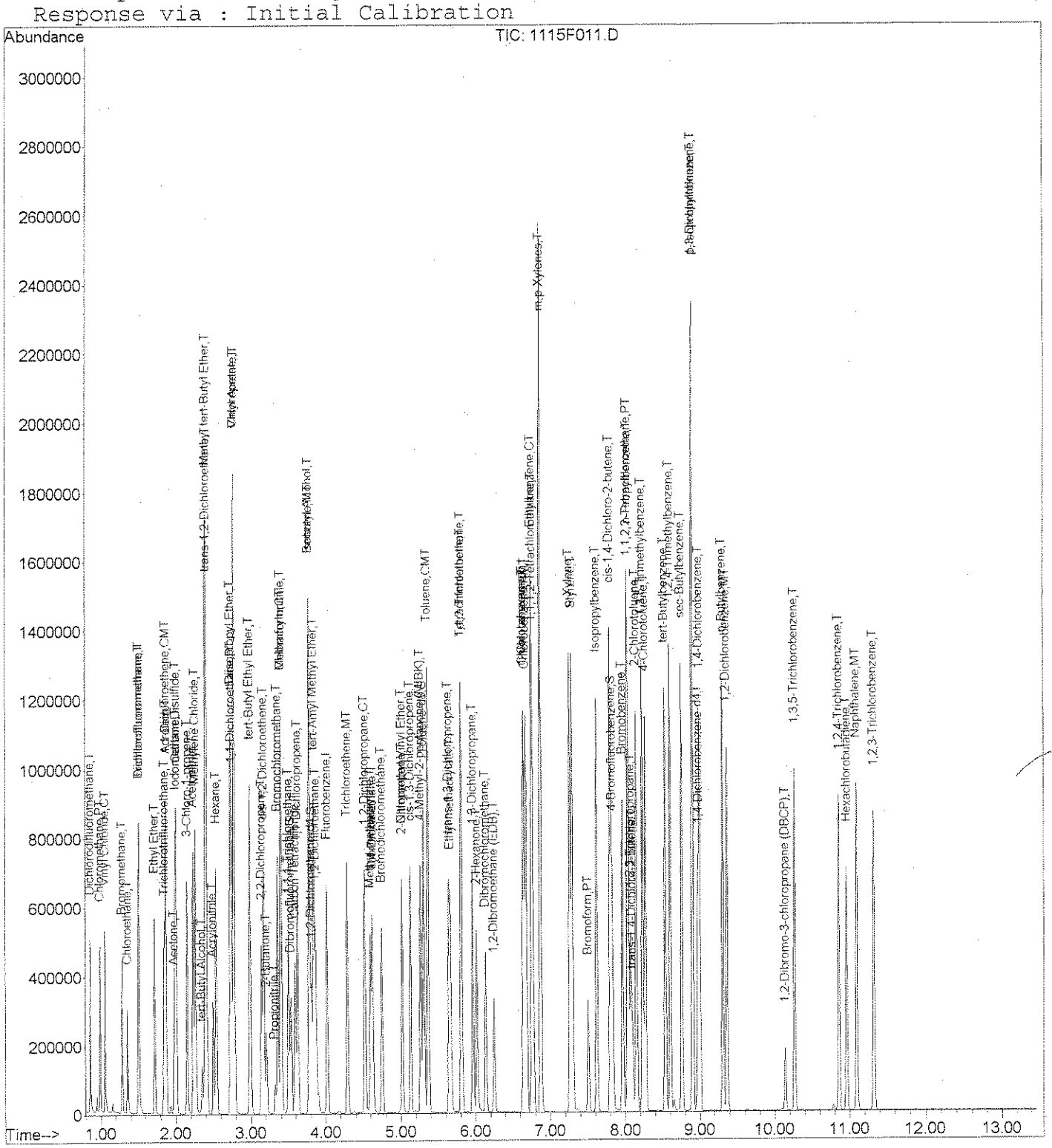
1115F011.D 111510MS24SOIL.M Tue Nov 16 06:40:10 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F011.D
Acq On : 15 Nov 2010 4:22 pm
Sample : 8260 SOIL ICAL 100
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:40 2010

Vial: 10
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F012.D Vial: 11
Acq.On : 15 Nov 2010 4:44 pm Operator: KR
Sample : 8260 SOIL ICAL 200 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:43:35 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

KR 11/16/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.02	96	423724	50.00	PPB	0.00
58) Chlorobenzene-d5	6.65	82	171127	50.00	PPB	0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	150945	50.00	PPB	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	3.54	113	152924	72.67	PPB	0.00
Spiked Amount 50.000			Recovery =	145.34%		
42) 1,2-Dichloroethane-d4	3.81	65	194988	71.98	PPB	0.00
Spiked Amount 50.000			Recovery =	143.96%		
56) Toluene-d8	5.31	98	541667	77.50	PPB	0.00
Spiked Amount 50.000			Recovery =	155.00%		
77) 4-Bromofluorobenzene	7.83	95	208572	73.16	PPB	0.00
Spiked Amount 50.000			Recovery =	146.32%		

Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.87	85	341360	155.40	PPB		97
3) Chloromethane	1.00	50	465163	181.34	PPB		99
4) Vinyl Chloride	1.06	62	437633	164.56	PPB		100
5) Bromomethane	1.30	96	196780	106.57	PPB		97
6) Chloroethane	1.37	64	277192	165.62	PPB		95
7) Dichlorofluoromethane	1.52	67	659989	159.45	PPB		99
8) Trichlorofluoromethane	1.51	101	471984	132.10	PPB		98
9) Ethyl Ether	1.73	59	374802	186.80	PPB		93
10) Acrolein	1.88	56	379920	935.97	PPB		99
11) Trichlorotrifluoroethane	1.86	151	234652	174.60	PPB		98
12) 1,1-Dichloroethene	1.88	96	275805	185.94	PPB		94
13) Acetone	1.98	43	284795	341.30	PPB		94
14) Iodomethane	2.00	142	832231	335.61	PPB		99
15) Carbon Disulfide	2.01	76	1120681	220.08	PPB		100
16) 3-Chloro-1-propene	2.16	76	202232	195.12	PPB	#	73
17) Acetonitrile	2.24	40	578691	3402.40	PPB		99
18) Methylene Chloride	2.27	84	413912	175.51	PPB		95
19) tert-Butyl Alcohol	2.35	59	207604	693.38	PPB		98
20) Acrylonitrile	2.51	53	329864	395.04	PPB		98
21) Methyl tert-Butyl Ether	2.40	73	2343561	362.98	PPB		97
22) trans-1,2-Dichloroethene	2.42	96	351808	182.08	PPB		89
23) Hexane	2.54	57	465980	193.25	PPB		98
24) Diisopropyl Ether	2.74	45	1334248	186.46	PPB		92
25) 1,1-Dichloroethane	2.75	63	686469	185.93	PPB		98
26) Vinyl Acetate	2.78	86	80401	295.15	PPB	#	42
27) Chloroprene	2.78	53	1147702	356.00	PPB		92
28) tert-Butyl Ethyl Ether	2.99	59	1203532	182.24	PPB		95

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

AB 11/19/10

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F012.D Vial: 11
Acq On : 15 Nov 2010 4:44 pm Operator: KR
Sample : 8260 SOIL ICAL 200 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:43:35 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
29)	2,2-Dichloropropane	3.15	77	413926	159.00	PPB		99
30)	cis-1,2-Dichloroethene	3.18	96	424351	189.63	PPB		91
31)	2-Butanone	3.21	72	114387	391.34	PPB	#	70
32)	Propionitrile	3.32	54	128402	370.32	PPB		96
33)	Methacrylonitrile	3.40	67	390411	408.93	PPB		83
34)	Bromochloromethane	3.36	128	218113	183.61	PPB		90
36)	Chloroform	3.41	83	674657	185.31	PPB		99
37)	1,1,1-Trichloroethane	3.51	97	471559	168.15	PPB		97
39)	Carbon Tetrachloride	3.60	117	407200	162.55	PPB		99
40)	1,1-Dichloropropene	3.63	75	463877	187.45	PPB		99
41)	Isobutyl Alcohol	3.78	43	413559	3541.19	PPB		97
43)	Benzene	3.79	78	1506052	195.89	PPB		93
44)	1,2-Dichloroethane	3.87	62	561623	178.10	PPB		100
45)	tert-Amyl Methyl Ether	3.85	55	363590	201.22	PPB		95
46)	Trichloroethene	4.29	95	366253	180.22	PPB		97
47)	1,2-Dichloropropane	4.53	63	409340	196.07	PPB		94
48)	Dibromomethane	4.63	93	268817	193.25	PPB		88
49)	Methyl methacrylate	4.60	69	324867	200.60	PPB		97
50)	1,4-Dioxane	4.62	88	119799	4040.31	PPB		79
51)	Bromodichloromethane	4.75	83	540555	194.20	PPB		96
52)	2-Nitropropane	5.02	41	322583	556.07	PPB		88
53)	2-Chloroethyl Vinyl Ether	5.02	63	275210	184.83	PPB		96
54)	cis-1,3-Dichloropropene	5.13	75	660055	207.31	PPB		97
55)	4-Methyl-2-pentanone (MIBK	5.27	58	357643	420.85	PPB		92
57)	Toluene	5.37	92	906524	185.18	PPB		95
59)	trans-1,3-Dichloropropene	5.65	75	582247	198.42	PPB		96
60)	Ethyl methacrylate	5.67	69	560929	210.05	PPB		92
61)	1,1,2-Trichloroethane	5.81	83	325798	199.95	PPB		97
62)	Tetrachloroethene	5.82	164	275317	162.65	PPB		95
63)	2-Hexanone	6.02	57	121968	408.02	PPB		93
64)	1,3-Dichloropropane	5.97	76	675926	205.74	PPB		99
65)	Dibromochloromethane	6.13	129	417885	187.27	PPB		98
66)	1,2-Dibromoethane (EDB)	6.25	107	383282	194.34	PPB		99
67)	1-Chlorohexane	6.64	91	443488	175.08	PPB		91
68)	Chlorobenzene	6.69	112	1041742	183.45	PPB		97
69)	Ethylbenzene	6.76	106	516468	183.43	PPB		95
70)	1,1,1,2-Tetrachloroethane	6.77	131	372935	178.53	PPB		97
71)	m,p-Xylenes	6.88	106	1290776	376.11	PPB		95
72)	o-Xylene	7.27	106	643587	188.11	PPB		94
73)	Styrene	7.30	103	537403m	196.15	PPB		
74)	Bromoform	7.51	173	284628	186.35	PPB		94

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F012.D Vial: 11
Acq On : 15 Nov 2010 4:44 pm Operator: KR
Sample : 8260 SOIL ICAL 200 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:43:35 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75)	Isopropylbenzene	7.62	105	1431492	177.11 PPB	99
76)	cis-1,4-Dichloro-2-butene	7.80	89	151861	545.58 PPB	97
79)	1,1,2,2-Tetrachloroethane	8.03	83	501208	238.67 PPB	96
80)	trans-1,4-Dichloro-2-buten	8.10	53	98550	215.19 PPB	96
81)	Bromobenzene	7.96	156	447836	199.44 PPB	92
82)	n-Propylbenzene	8.04	91	1846311	214.92 PPB	98
83)	1,2,3-Trichloropropane	8.07	110	149911	203.41 PPB	89
84)	2-Chlorotoluene	8.15	91	1148052	216.09 PPB	97
85)	1,3,5-Trimethylbenzene	8.23	105	1281559	206.55 PPB	98
86)	4-Chlorotoluene	8.27	91	1184498	214.77 PPB	96
87)	tert-Butylbenzene	8.54	119	1066897	193.46 PPB	93
88)	1,2,4-Trimethylbenzene	8.60	105	1307887	206.49 PPB	99
89)	sec-Butylbenzene	8.76	105	1584428	201.50 PPB	99
90)	p-Isopropyltoluene	8.91	119	1331108	199.72 PPB	99
91)	1,3-Dichlorobenzene	8.90	146	774770	190.24 PPB	99
92)	1,4-Dichlorobenzene	9.00	146	791307	190.74 PPB	97
93)	n-Butylbenzene	9.31	91	1221751	211.11 PPB	98
94)	1,2-Dichlorobenzene	9.36	146	767533	192.13 PPB	97
95)	1,2-Dibromo-3-chloropropan	10.14	155	76954	203.26 PPB	91
96)	1,3,5-Trichlorobenzene	10.26	180	551600	188.57 PPB	99
97)	1,2,4-Trichlorobenzene	10.86	180	512444	202.95 PPB	97
98)	Hexachlorobutadiene	10.96	225	249990	179.45 PPB	98
99)	Naphthalene	11.09	128	1423201	223.47 PPB	99
100)	1,2,3-Trichlorobenzene	11.32	180	518215	223.49 PPB	97

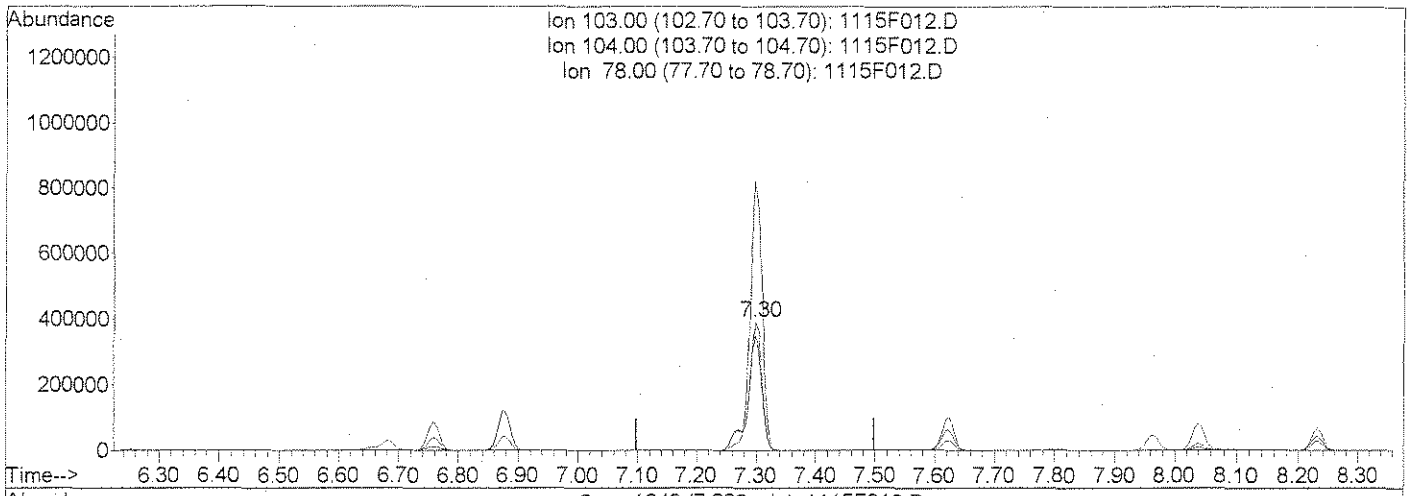
(#) = qualifier out of range (m) = manual integration

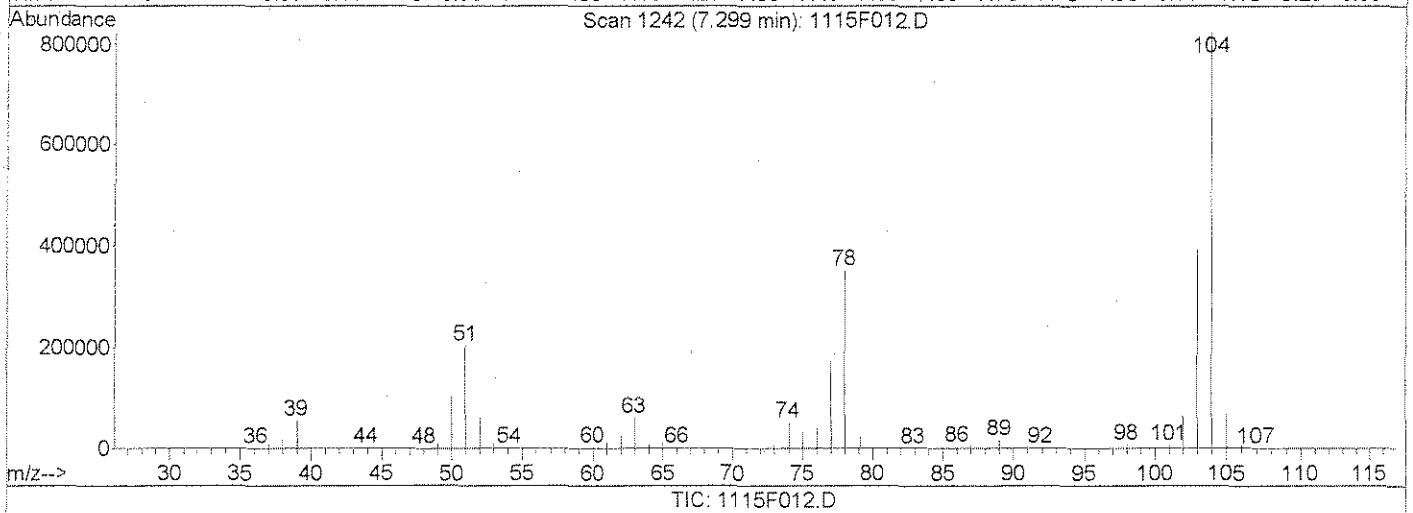
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 4:44 pm
Sample : 8260 SOIL ICAL 200
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:43 2010

Vial: 11
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration





TIC: 1115F012.D

(73) Styrene (T)

7.30min 227.18PPB

response 622430

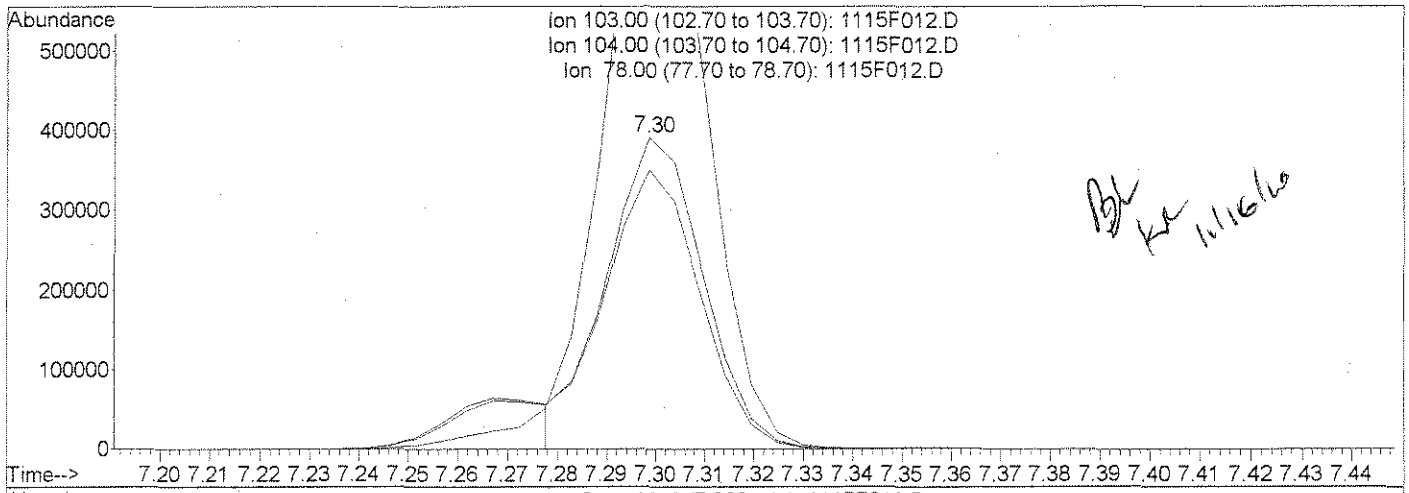
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	210.04
78.00	76.90	89.62
0.00	0.00	0.00

Quantitation Report (Qedit)

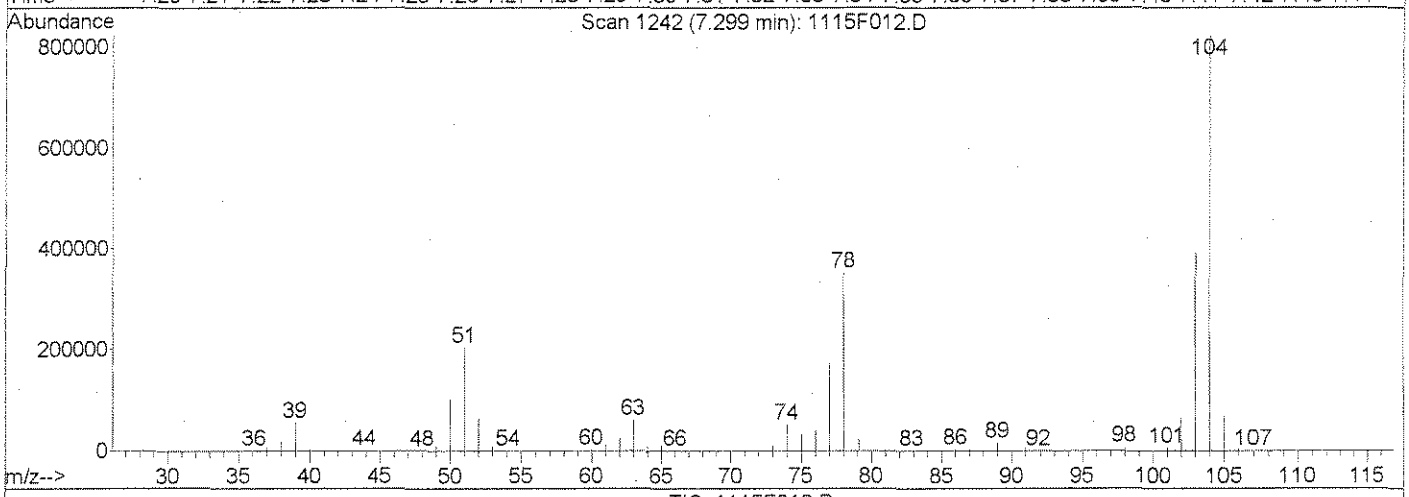
Data File : J:\MS24\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 4:44 pm
Sample : 8260 SOIL ICAL 200
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:44 2010

Vial: 11
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration



BK KR 11/16/10



TIC: 1115F012.D

(73) Styrene (T)

7.30min 196.15PPB m

response 537403

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	210.04
78.00	76.90	89.62
0.00	0.00	0.00

HB 11-17-10

1115F012.D 111510MS24SOIL.M Tue Nov 16 06:44:36 2010

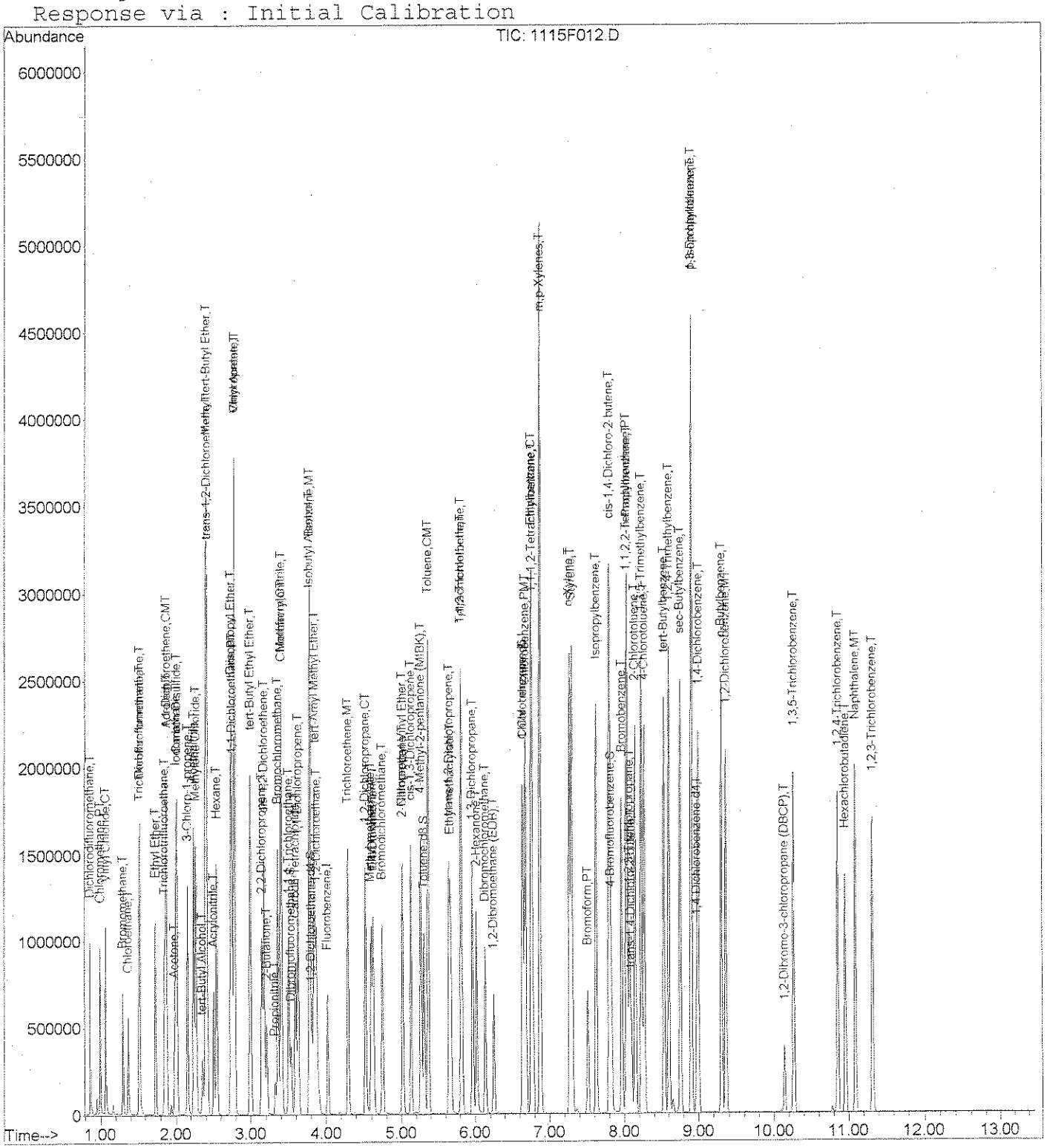
Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 4:44 pm
Sample : 8260 SOIL ICAL 200
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:44 2010

Vial: 11
Operator: KR
Inst : MS24
Multiplr: 1.00

Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F013.D Vial: 12
Acq On : 15 Nov 2010 5:05 pm Operator: KR
Sample : 8260 SOIL ICAL 300 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:45:18 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

Kr 11/16/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.02	96	419292	50.00	PPB	0.00
58) Chlorobenzene-d5	6.65	82	173186	50.00	PPB	0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	152532	50.00	PPB	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	3.54	113	226518	108.79	PPB	0.00
Spiked Amount 50.000			Recovery	=	217.58%	
42) 1,2-Dichloroethane-d4	3.81	65	284638	106.18	PPB	0.00
Spiked Amount 50.000			Recovery	=	212.36%	
56) Toluene-d8	5.31	98	796279	115.14	PPB	0.00
Spiked Amount 50.000			Recovery	=	230.28%	
77) 4-Bromofluorobenzene	7.83	95	306436	106.21	PPB	0.00
Spiked Amount 50.000			Recovery	=	212.42%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.87	85	452044	207.96	PPB	96
3) Chloromethane	0.99	50	654952	258.02	PPB	98
4) Vinyl Chloride	1.06	62	605720	230.17	PPB	99
5) Bromomethane	1.29	96	260557	138.09	PPB	100
6) Chloroethane	1.36	64	388347	234.49	PPB	97
7) Dichlorofluoromethane	1.52	67	936915	228.75	PPB	97
8) Trichlorofluoromethane	1.51	101	652756	184.63	PPB	98
9) Ethyl Ether	1.73	59	545324	274.66	PPB	91
10) Acrolein	1.87	56	547902	1364.08	PPB	98
11) Trichlorotrifluoroethane	1.86	151	326331	245.39	PPB	98
12) 1,1-Dichloroethene	1.88	96	391311	266.60	PPB	87
13) Acetone	1.98	43	398907	483.11	PPB	94
14) Iodomethane	2.00	142	1201521	489.66	PPB	100
15) Carbon Disulfide	2.01	76	1607351	318.99	PPB	99
16) 3-Chloro-1-propene	2.16	76	296421	289.02	PPB #	63
17) Acetonitrile	2.24	40	820583	4875.59	PPB	99
18) Methylene Chloride	2.27	84	606571	259.93	PPB	92
19) tert-Butyl Alcohol	2.35	59	294945	995.51	PPB	98
20) Acrylonitrile	2.50	53	474443	574.20	PPB	98
21) Methyl tert-Butyl Ether	2.40	73	3482710	545.12	PPB	98
22) trans-1,2-Dichloroethene	2.42	96	511774	267.67	PPB	90
23) Hexane	2.54	57	654285	274.21	PPB	97
24) Diisopropyl Ether	2.74	45	1971683	278.45	PPB	93
25) 1,1-Dichloroethane	2.75	63	1005198	275.13	PPB	99
26) Vinyl Acetate	2.78	86	116326	431.54	PPB #	45
27) Chloroprene	2.78	53	1656147	519.14	PPB	93
28) tert-Butyl Ethyl Ether	2.99	59	1797793	275.10	PPB	96

(#) = qualifier out of range (m) = manual integration HB11-1710

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F013.D Vial: 12
Acq On : 15 Nov 2010 5:05 pm Operator: KR
Sample : 8260 SOIL ICAL 300 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:45:18 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
29)	2,2-Dichloropropane	3.15	77	610070	236.83 PPB		99
30)	cis-1,2-Dichloroethene	3.18	96	622651	281.18 PPB		92
31)	2-Butanone	3.21	72	162022	560.17 PPB	#	69
32)	Propionitrile	3.32	54	184451	537.59 PPB		97
33)	Methacrylonitrile	3.40	67	565950	599.06 PPB		84
34)	Bromochloromethane	3.36	128	320188	272.39 PPB		92
36)	Chloroform	3.41	83	982348	272.68 PPB		100
37)	1,1,1-Trichloroethane	3.51	97	682179	245.82 PPB		96
39)	Carbon Tetrachloride	3.60	117	588910	237.58 PPB		99
40)	1,1-Dichloropropene	3.63	75	664942	271.54 PPB		99
41)	Isobutyl Alcohol	3.78	43	587223	5081.38 PPB		96
43)	Benzene	3.79	78	2197279	288.82 PPB		93
44)	1,2-Dichloroethane	3.88	62	814865	261.14 PPB		99
45)	tert-Amyl Methyl Ether	3.84	55	518447	289.96 PPB		99
46)	Trichloroethene	4.29	95	532495	264.79 PPB		95
47)	1,2-Dichloropropane	4.53	63	603029	291.89 PPB		95
48)	Dibromomethane	4.62	93	393955	286.20 PPB		94
49)	Methyl methacrylate	4.60	69	482052	300.81 PPB		97
50)	1,4-Dioxane	4.62	88	162910	5552.33 PPB		79
51)	Bromodichloromethane	4.75	83	799443	290.24 PPB		96
52)	2-Nitropropane	5.02	41	468084	815.41 PPB		88
53)	2-Chloroethyl Vinyl Ether	5.02	63	410368	278.52 PPB		96
54)	cis-1,3-Dichloropropene	5.13	75	989038	313.92 PPB		97
55)	4-Methyl-2-pentanone (MIBK	5.27	58	519911	618.26 PPB		94
57)	Toluene	5.37	92	1325809	273.69 PPB		96
59)	trans-1,3-Dichloropropene	5.65	75	879176	296.04 PPB		97
60)	Ethyl methacrylate	5.67	69	835180	309.03 PPB		92
61)	1,1,2-Trichloroethane	5.81	83	480054	291.11 PPB		97
62)	Tetrachloroethene	5.82	164	401050	234.11 PPB		97
63)	2-Hexanone	6.02	57	175971	581.68 PPB		99
64)	1,3-Dichloropropane	5.97	76	988474	297.29 PPB		99
65)	Dibromochloromethane	6.13	129	623115	275.92 PPB		98
66)	1,2-Dibromoethane (EDB)	6.25	107	563955	282.56 PPB		99
67)	1-Chlorohexane	6.64	91	649686	253.44 PPB		94
68)	Chlorobenzene	6.68	112	1530384	266.29 PPB		95
69)	Ethylbenzene	6.76	106	752258	264.00 PPB		95
70)	1,1,1,2-Tetrachloroethane	6.77	131	554858	262.46 PPB		98
71)	m,p-Xylenes	6.88	106	1880847	541.54 PPB		95
72)	o-Xylene	7.27	106	946442	273.34 PPB		94
73)	Styrene	7.30	103	786941m	283.81 PPB		
74)	Bromoform	7.51	173	416497	269.44 PPB		94

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F013.D Vial: 12
Acq On : 15 Nov 2010 5:05 pm Operator: KR
Sample : 8260 SOIL ICAL 300 Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 16 06:45:18 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75)	Isopropylbenzene	7.62	105	2088712	255.35 PPB	99
76)	cis-1,4-Dichloro-2-butene	7.80	89	223641	793.90 PPB	98
79)	1,1,2,2-Tetrachloroethane	8.03	83	716743	337.75 PPB	96
80)	trans-1,4-Dichloro-2-buten	8.10	53	140345	303.26 PPB	92
81)	Bromobenzene	7.96	156	659784	290.78 PPB	95
82)	n-Propylbenzene	8.04	91	2674792	308.12 PPB	97
83)	1,2,3-Trichloropropane	8.07	110	214699	288.28 PPB	86
84)	2-Chlorotoluene	8.15	91	1670356	311.12 PPB	96
85)	1,3,5-Trimethylbenzene	8.23	105	1861706	296.93 PPB	98
86)	4-Chlorotoluene	8.27	91	1731832	310.74 PPB	96
87)	tert-Butylbenzene	8.54	119	1546199	277.46 PPB	94
88)	1,2,4-Trimethylbenzene	8.60	105	1933721	302.12 PPB	98
89)	sec-Butylbenzene	8.76	105	2286868	287.81 PPB	99
90)	p-Isopropyltoluene	8.90	119	1956319	290.48 PPB	98
91)	1,3-Dichlorobenzene	8.90	146	1144418	278.09 PPB	98
92)	1,4-Dichlorobenzene	9.00	146	1156219	275.80 PPB	98
93)	n-Butylbenzene	9.31	91	1783082	304.89 PPB	98
94)	1,2-Dichlorobenzene	9.36	146	1131862	280.39 PPB	96
95)	1,2-Dibromo-3-chloropropan	10.14	155	113716	297.24 PPB	91
96)	1,3,5-Trichlorobenzene	10.26	180	830071	280.81 PPB	100
97)	1,2,4-Trichlorobenzene	10.86	180	782746	306.78 PPB	97
98)	Hexachlorobutadiene	10.96	225	376423	267.40 PPB	99
99)	Naphthalene	11.09	128	2125745	330.30 PPB	100
100)	1,2,3-Trichlorobenzene	11.32	180	788338	336.44 PPB	97

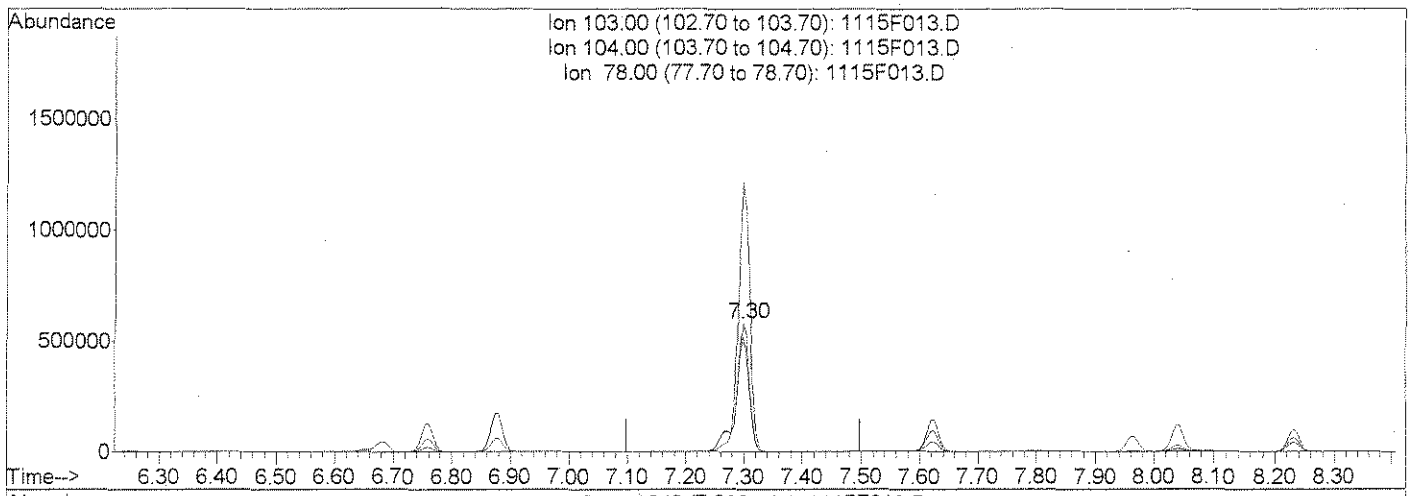
(#) = qualifier out of range (m) = manual integration

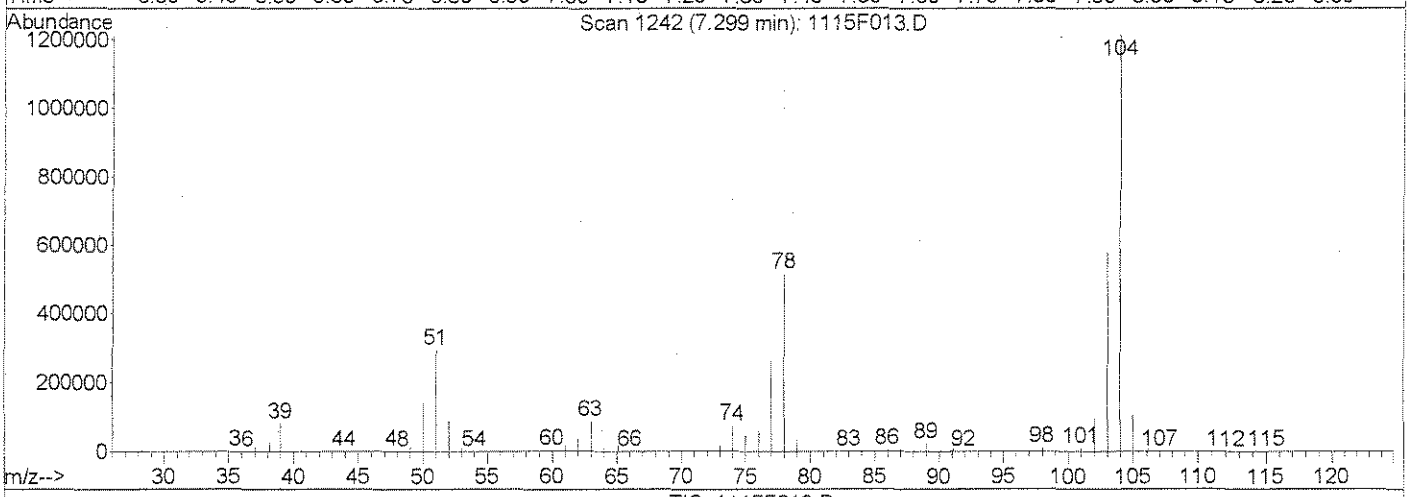
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 5:05 pm
Sample : 8260 SOIL ICAL 300
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:45 2010

Vial: 12
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration





TIC: 1115F013.D

(73) Styrene (T)

7.30min 329.13PPB

response 912586

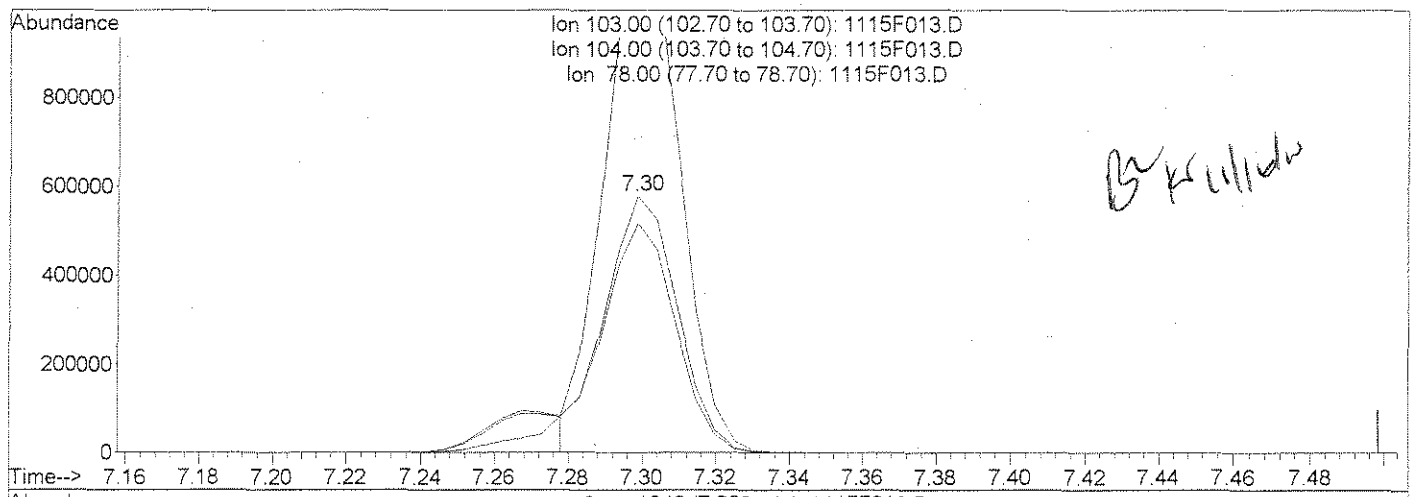
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	209.66
78.00	76.90	89.52
0.00	0.00	0.00

Quantitation Report (Qedit)

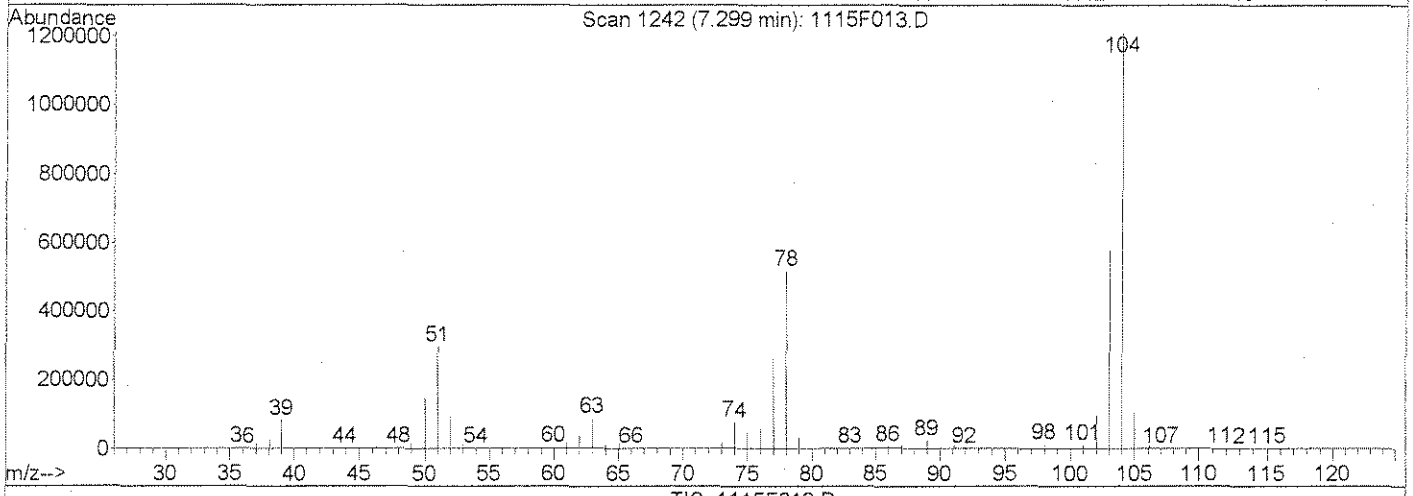
Data File : J:\MS24\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 5:05 pm
Sample : 8260 SOIL ICAL 300
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:46 2010

Vial: 12
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Multiple Level Calibration



BK 11/16/10



TIC: 1115F013.D

(73) Styrene (T)

7.30min 283.81PPB m

response 786941

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	209.66
78.00	76.90	89.52
0.00	0.00	0.00

HPCL-1760

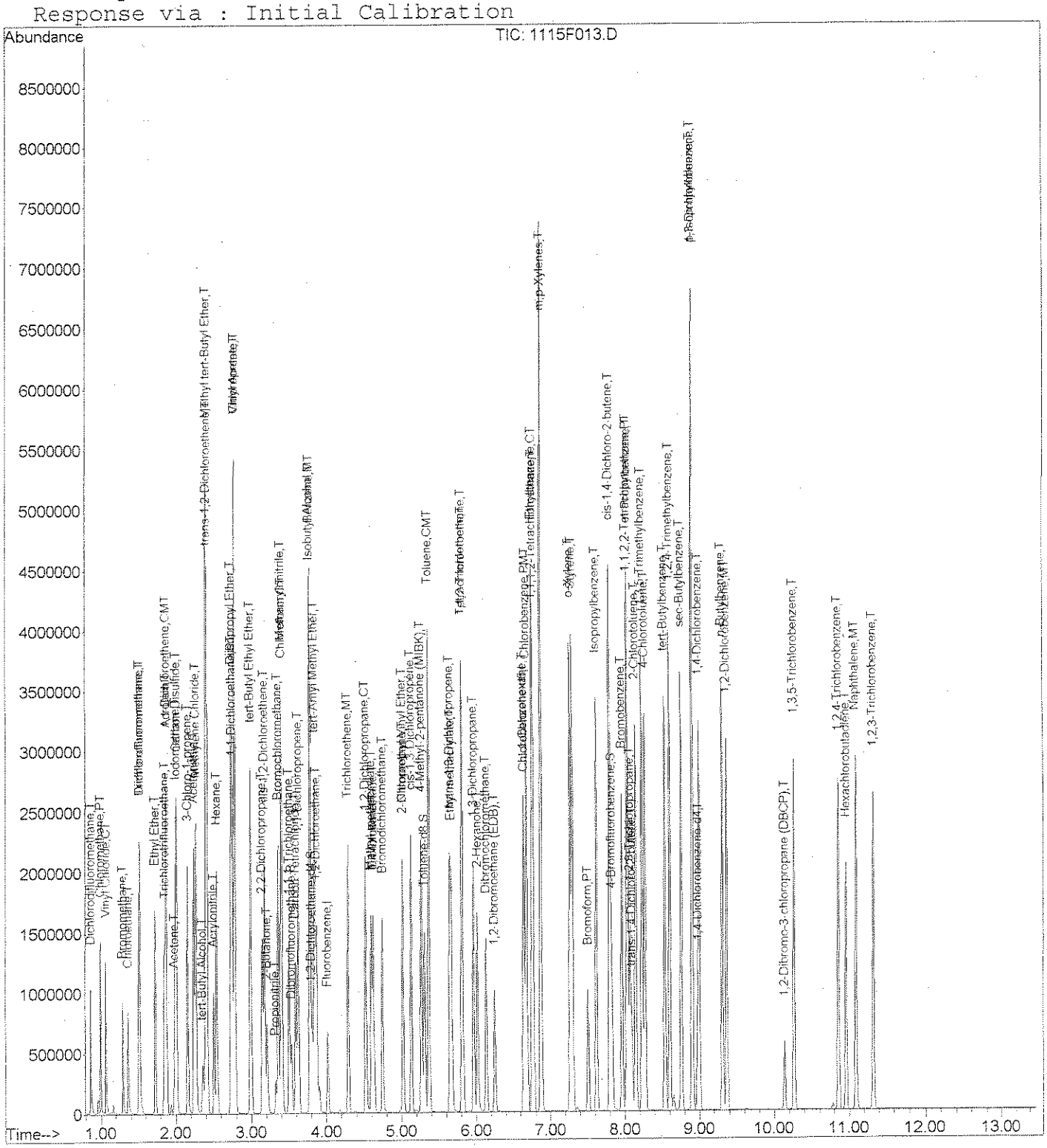
1115F013.D 111510MS24SOIL.M Tue Nov 16 06:46:28 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 5:05 pm
Sample : 8260 SOIL ICAL 300
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 6:46 2010

Vial: 12
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Aug 31 10:55:48 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F016.D Vial: 15
Acq On : 15 Nov 2010 6:09 pm Operator: KR
Sample : ICV Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 11:12:51 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration
DataAcq Meth : 8260

KR 11/17/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.02	96	427854	50.00	PPB	0.00
58) Chlorobenzene-d5	6.65	82	167143	50.00	PPB	0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	152338	50.00	PPB	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	3.53	113	91245	47.57	PPB	0.00
Spiked Amount 50.000			Recovery =	95.14%		
42) 1,2-Dichloroethane-d4	3.81	65	118351	47.99	PPB	0.00
Spiked Amount 50.000			Recovery =	95.98%		
56) Toluene-d8	5.31	98	317456	47.30	PPB	0.00
Spiked Amount 50.000			Recovery =	94.60%		
77) 4-Bromofluorobenzene	7.83	95	118089	45.84	PPB	0.00
Spiked Amount 50.000			Recovery =	91.68%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.86	85	90485	51.27	PPB	97
3) Chloromethane	0.99	50	119651	48.70	PPB	99
4) Vinyl Chloride	1.06	62	114562	52.69	PPB	98
5) Bromomethane	1.29	96	47188	31.57	PPB	97
6) Chloroethane	1.36	64	70061	49.17	PPB	95
8) Trichlorofluoromethane	1.51	101	108769	45.53	PPB	96
9) Ethyl Ether	1.73	59	93021	50.08	PPB	94
11) Trichlorotrifluoroethane	1.85	151	56378	48.44	PPB	98
12) 1,1-Dichloroethene	1.88	96	76092	54.98	PPB	95
13) Acetone	1.98	43	159501	210.76	PPB	94
15) Carbon Disulfide	2.01	76	576128	103.50	PPB	99
18) Methylene Chloride	2.27	84	114247	51.46	PPB	94
19) tert-Butyl Alcohol	2.35	59	99491	489.32	PPB	96
20) Acrylonitrile	2.50	53	40219	51.86	PPB	96
21) Methyl tert-Butyl Ether	2.40	73	283310	51.85	PPB	96
22) trans-1,2-Dichloroethene	2.41	96	94333	54.33	PPB	88
24) Diisopropyl Ether	2.73	45	659230	105.47	PPB	93
25) 1,1-Dichloroethane	2.75	63	175894	52.81	PPB	99
26) Vinyl Acetate	2.78	86	35221	95.21	PPB #	40
28) tert-Butyl Ethyl Ether	2.99	59	597979	108.72	PPB	94
29) 2,2-Dichloropropane	3.15	77	101703	53.89	PPB	98
30) cis-1,2-Dichloroethene	3.18	96	108632	53.16	PPB	94
31) 2-Butanone	3.21	72	65144	235.45	PPB #	64
34) Bromochloromethane	3.36	128	57319	53.58	PPB	94
36) Chloroform	3.41	83	178050	54.24	PPB	99
37) 1,1,1-Trichloroethane	3.50	97	124506	55.58	PPB	98
39) Carbon Tetrachloride	3.59	117	106730	53.68	PPB	98

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

HB 11·17·10

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F016.D
Acq On : 15 Nov 2010 6:09 pm
Sample : ICV
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 17 11:12:51 2010

Vial: 15
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
40)	1,1-Dichloropropene	3.63	75	120987	54.23	PPB		99
43)	Benzene	3.79	78	397368	53.94	PPB		94
44)	1,2-Dichloroethane	3.87	62	148319	53.99	PPB		99
45)	tert-Amyl Methyl Ether	3.84	55	192900	104.77	PPB	#	84
46)	Trichloroethene	4.29	95	97345	52.75	PPB		95
47)	1,2-Dichloropropane	4.53	63	104041	53.87	PPB		95
48)	Dibromomethane	4.62	93	67021	51.70	PPB		94
51)	Bromodichloromethane	4.75	83	137060	53.79	PPB		96
53)	2-Chloroethyl Vinyl Ether	5.02	63	61276	50.28	PPB		96
54)	cis-1,3-Dichloropropene	5.13	75	153629	53.03	PPB		97
55)	4-Methyl-2-pentanone (MIBK	5.26	58	212321	279.00	PPB		91
57)	Toluene	5.37	92	233562	54.62	PPB		97
59)	trans-1,3-Dichloropropene	5.65	75	126412	51.15	PPB		96
61)	1,1,2-Trichloroethane	5.81	83	85258	55.40	PPB		94
62)	Tetrachloroethene	5.82	164	69961	53.15	PPB		95
63)	2-Hexanone	6.02	57	68573	271.42	PPB		93
64)	1,3-Dichloropropane	5.97	76	169166	53.67	PPB		99
65)	Dibromochloromethane	6.13	129	104543	53.43	PPB		98
66)	1,2-Dibromoethane (EDB)	6.25	107	93618	54.49	PPB		99
67)	1-Chlorohexane	6.64	91	106299	52.88	PPB		86
68)	Chlorobenzene	6.68	112	266376	53.78	PPB		95
69)	Ethylbenzene	6.76	106	129238	54.88	PPB		95
70)	1,1,1,2-Tetrachloroethane	6.77	131	93088	53.27	PPB		96
71)	m,p-Xylenes	6.87	106	317536	110.27	PPB		91
72)	o-Xylene	7.27	106	155871	54.96	PPB		94
73)	Styrene	7.30	103	131438m	54.75	PPB		
74)	Bromoform	7.51	173	69664	53.17	PPB		96
75)	Isopropylbenzene	7.62	105	376093	59.60	PPB		100
79)	1,1,2,2-Tetrachloroethane	8.03	83	123377	51.06	PPB		95
81)	Bromobenzene	7.96	156	112008	53.06	PPB		93
82)	n-Propylbenzene	8.04	91	456421	54.34	PPB		98
83)	1,2,3-Trichloropropane	8.07	110	38263	53.88	PPB		94
84)	2-Chlorotoluene	8.15	91	293086	54.26	PPB		97
85)	1,3,5-Trimethylbenzene	8.23	105	319736	54.15	PPB		98
86)	4-Chlorotoluene	8.27	91	299899	53.60	PPB		94
87)	tert-Butylbenzene	8.54	119	271925	56.24	PPB		94
88)	1,2,4-Trimethylbenzene	8.60	105	321449	52.52	PPB		99
89)	sec-Butylbenzene	8.76	105	390230	53.93	PPB		98
90)	p-Isopropyltoluene	8.90	119	327031	53.16	PPB		98
91)	1,3-Dichlorobenzene	8.90	146	201238	52.45	PPB		98
92)	1,4-Dichlorobenzene	9.00	146	203585	51.14	PPB		98

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

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F016.D Vial: 15
Acq On : 15 Nov 2010 6:09 pm Operator: KR
Sample : ICV Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 17 11:12:51 2010 Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration
DataAcq Meth : 8260

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
93)	n-Butylbenzene	9.31	91	303456	54.44 PPB	97
94)	1,2-Dichlorobenzene	9.36	146	200050	52.53 PPB	96
95)	1,2-Dibromo-3-chloropropan	10.14	155	18386	50.16 PPB	92
96)	1,3,5-Trichlorobenzene	10.26	180	138210	50.45 PPB	97
97)	1,2,4-Trichlorobenzene	10.86	180	125442	49.90 PPB	98
98)	Hexachlorobutadiene	10.96	225	64335	49.86 PPB	96
99)	Naphthalene	11.09	128	330445	52.58 PPB	99
100)	1,2,3-Trichlorobenzene	11.32	180	128969	50.39 PPB	98

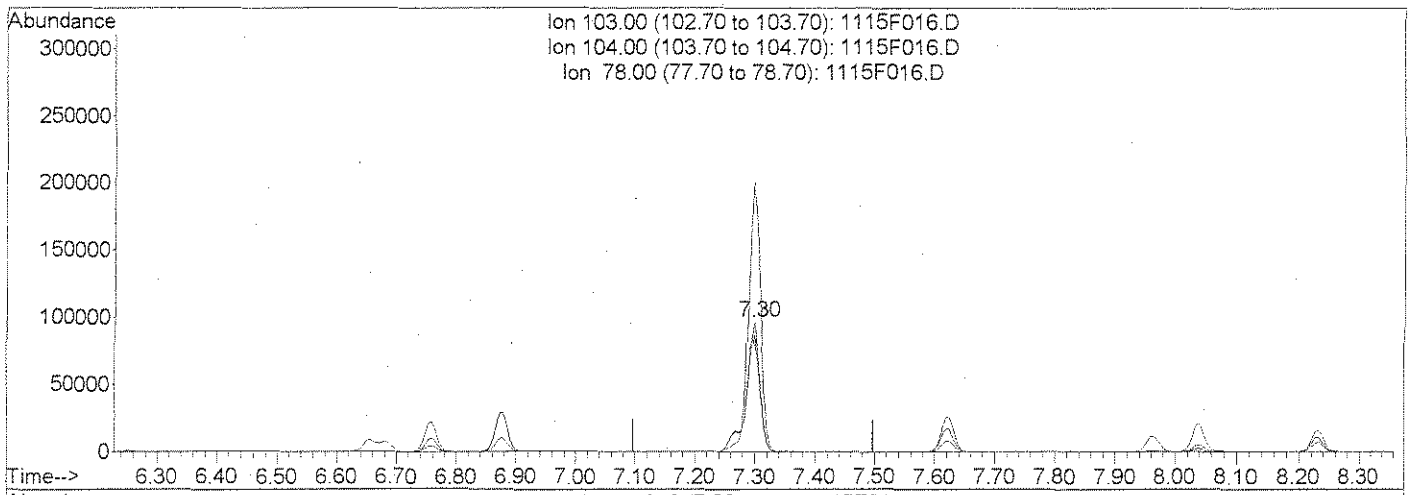
(#) = qualifier out of range (m) = manual integration

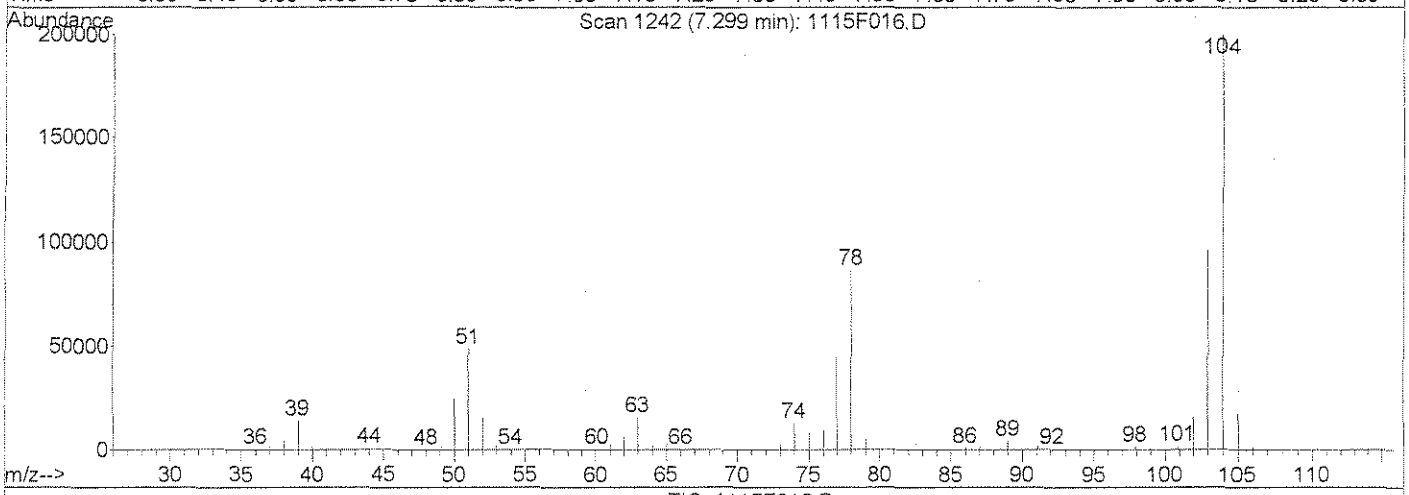
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F016.D
Acq On : 15 Nov 2010 6:09 pm
Sample : ICV
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 17 11:14 2010

Vial: 15
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





TIC: 1115F016.D

(73) Styrene (T)

7.30min 63.80PPB

response 153160

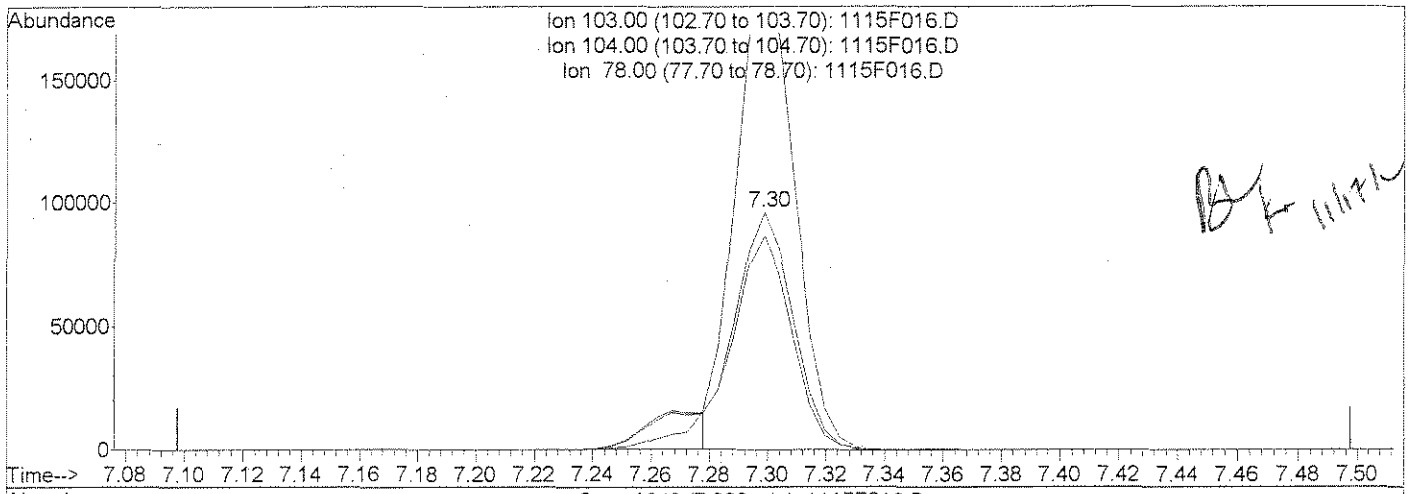
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	208.58
78.00	76.90	90.05
0.00	0.00	0.00

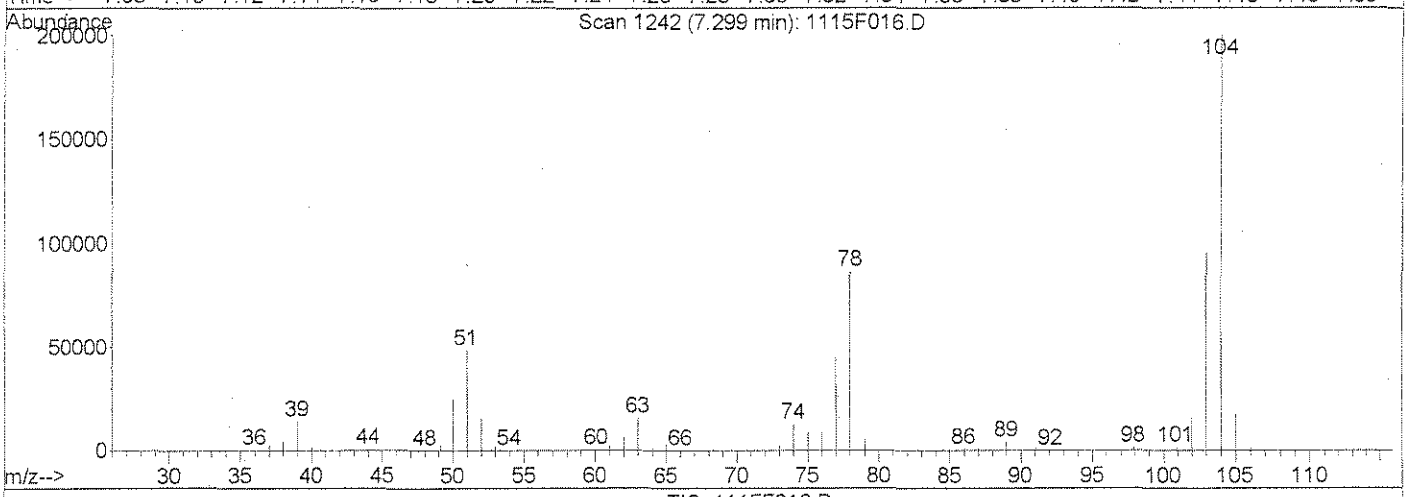
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\111510\1115F016.D
Acq On : 15 Nov 2010 6:09 pm
Sample : ICV
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 17 11:14 2010

Vial: 15
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





TIC: 1115F016.D

(73) Styrene (T)

7.30min 54.75PPB m

response 131438

Ion	Exp%	Act%
103.00	100	100
104.00	198.60	208.58
78.00	76.90	90.05
0.00	0.00	0.00

11.17.10

1115F016.D 111510MS24SOIL.M Wed Nov 17 11:14:48 2010

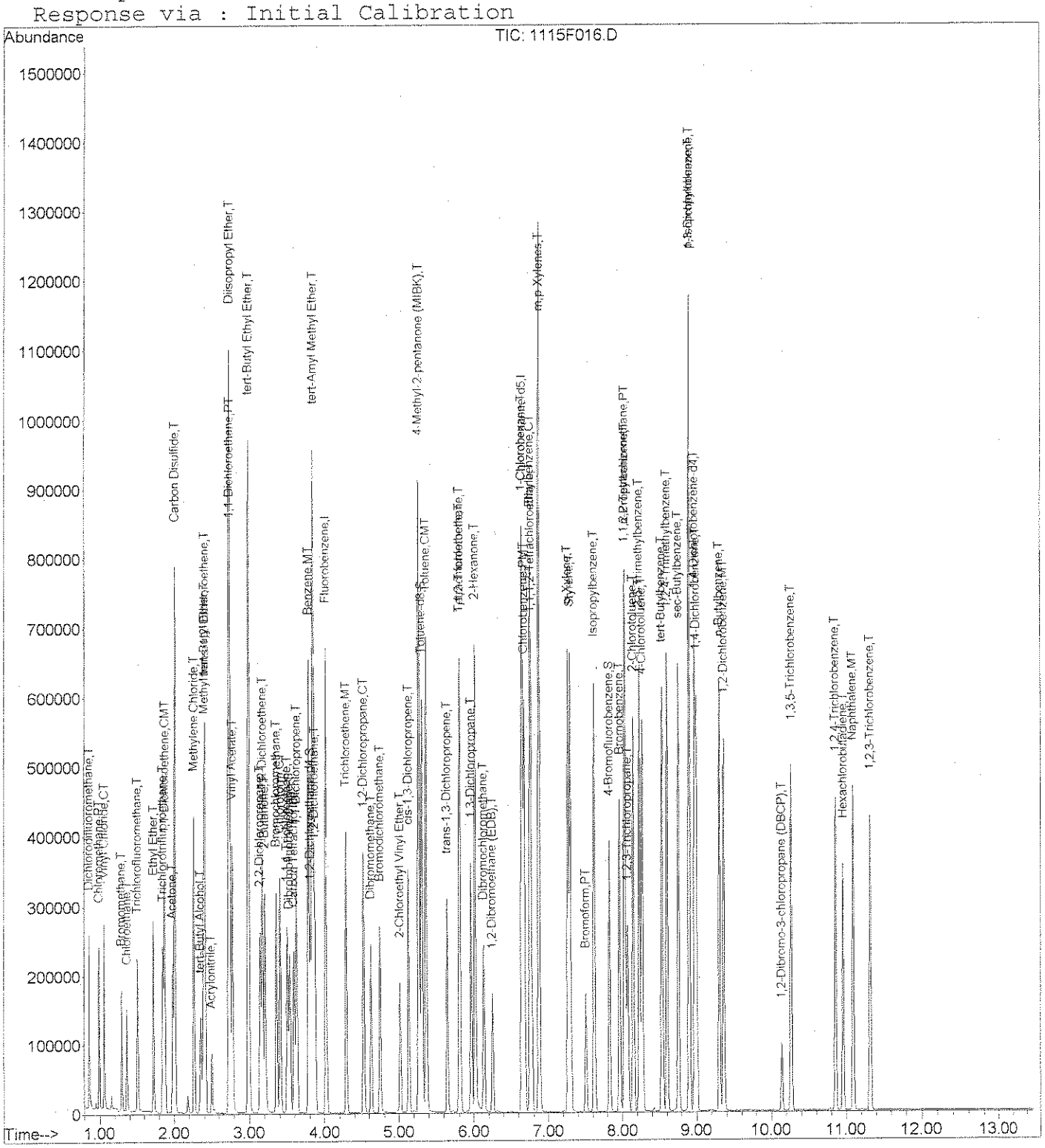
Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F016.D
Acq On : 15 Nov 2010 6:09 pm
Sample : ICV
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 17 11:14 2010

Vial: 15
Operator: KR
Inst : MS24
Multiplr: 1.00

Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 6:30 pm
Sample : ICV APP
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 07:02:25 2010

Vial: 16
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SOIL.

Quant Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Nov 16 06:59:35 2010
Response via : Initial Calibration
DataAcq Meth : 8260

KR 11/16/10

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	4.02	96	423439	50.00	PPB	0.00
58) Chlorobenzene-d5	6.65	82	162431	50.00	PPB	0.00
78) 1,4-Dichlorobenzene-d4	8.98	152	143112	50.00	PPB	0.00
System Monitoring Compounds						
38) Dibromofluoromethane	3.54	113	90656	47.76	PPB	0.00
Spiked Amount 50.000			Recovery =	95.52%		
42) 1,2-Dichloroethane-d4	3.81	65	119995	49.16	PPB	0.00
Spiked Amount 50.000			Recovery =	98.32%		
56) Toluene-d8	5.31	98	303388	45.67	PPB	0.00
Spiked Amount 50.000			Recovery =	91.34%		
77) 4-Bromofluorobenzene	7.83	95	120093	47.97	PPB	0.00
Spiked Amount 50.000			Recovery =	95.94%		

Target Compounds							Qvalue
7) Dichlorofluoromethane	1.52	67	159335	48.65	PPB		96
10) Acrolein	1.88	56	36659	101.11	PPB		99
14) Iodomethane	2.00	142	140458	75.38	PPB		98
16) 3-Chloro-1-propene	2.16	76	80881	83.40	PPB	#	61
17) Acetonitrile	2.24	40	116031	795.12	PPB		97
20) Acrylonitrile	2.51	53	62789	81.81	PPB		98
23) Hexane	2.54	57	183120	82.55	PPB		99
26) Vinyl Acetate	2.78	86	27025	73.82	PPB	#	44
27) Chloroprene	2.78	53	222317	83.56	PPB		92
32) Propionitrile	3.32	54	24231	77.93	PPB		96
33) Methacrylonitrile	3.40	67	72141	80.44	PPB		83
36) Chloroform	3.41	83	1968	0.61	PPB		96
41) Isobutyl Alcohol	3.78	43	69042	758.86	PPB		98
49) Methyl methacrylate	4.60	69	115204	81.19	PPB		99
50) 1,4-Dioxane	4.62	88	20820	750.72	PPB		72
52) 2-Nitropropane	5.02	41	34720	74.54	PPB	#	77
60) Ethyl methacrylate	5.67	69	200499	88.53	PPB		92
76) cis-1,4-Dichloro-2-butene	7.80	89	22084	72.62	PPB		90
80) trans-1,4-Dichloro-2-buten	8.10	53	54548	121.35	PPB		91

HB 11-17-10

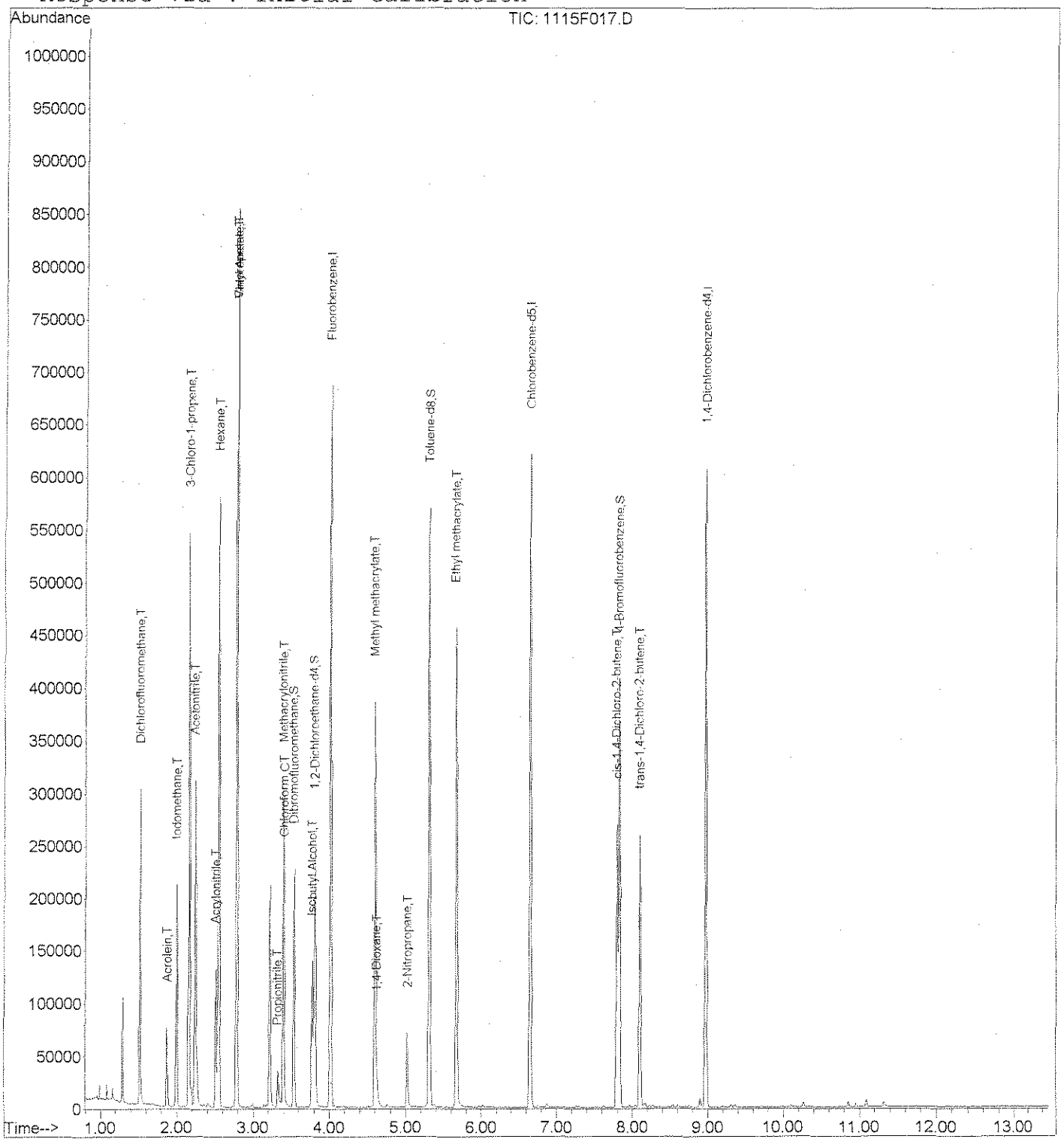
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 6:30 pm
Sample : ICV APP
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 16 7:04 2010

Vial: 16
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Tue Nov 16 06:59:35 2010
Response via : Initial Calibration



COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/24/2010

Continuing Calibration Verification Summary
Volatile Organic Compounds

Calibration Type: Internal Standard
Analysis Method: 8260B

Calibration Date: 11/15/2010
Calibration ID: CAL10052
Analysis Lot: KWG1012930
Units: PPB

File ID: J:\MS24\DATA\112410\1124F010.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
† Chloromethane	50	47	0.10	0.287	0.270	-6	NA	± 40 %	AverageRF
‡ Vinyl Chloride	50	54	0.01	0.254	0.276	9	NA	± 20 %	AverageRF
Bromomethane	50	58	0.01	0.175	0.203	16	NA	± 40 %	AverageRF
Chloroethane	50	59	0.01	0.167	0.198	19	NA	± 40 %	AverageRF
Acrolein	250	250	0.01	0.0428	0.0426	-1	NA	± 40 %	AverageRF
‡ 1,1-Dichloroethene	50	48	0.01	0.162	0.157	-3	NA	± 20 %	AverageRF
Methylene Chloride	50	49	0.01	0.259	0.254	-2	NA	± 30 %	AverageRF
Acrylonitrile	100	87	0.01	0.0906	0.0791	-13	NA	± 30 %	AverageRF
trans-1,2-Dichloroethene	50	51	0.01	0.203	0.205	1	NA	± 30 %	AverageRF
† 1,1-Dichloroethane	50	50	0.10	0.389	0.387	-1	NA	± 30 %	AverageRF
‡ Chloroform	50	51	0.01	0.384	0.393	2	NA	± 20 %	AverageRF
1,1,1-Trichloroethane (TCA)	50	48	0.01	0.262	0.252	-4	NA	± 30 %	AverageRF
Carbon Tetrachloride	50	48	0.01	0.232	0.223	-4	NA	± 30 %	AverageRF
Benzene	50	50	0.01	0.861	0.857	0	NA	± 30 %	AverageRF
1,2-Dichloroethane (EDC)	50	49	0.01	0.321	0.315	-2	NA	± 30 %	AverageRF
Trichloroethene (TCE)	50	49	0.01	0.216	0.213	-1	NA	± 30 %	AverageRF
‡ 1,2-Dichloropropane	50	49	0.01	0.226	0.221	-2	NA	± 20 %	AverageRF
Bromodichloromethane	50	50	0.01	0.298	0.295	-1	NA	± 30 %	AverageRF
2-Chloroethyl Vinyl Ether	50	41	0.01	0.142	0.117	-18	NA	± 40 %	AverageRF
cis-1,3-Dichloropropene	50	49	0.01	0.339	0.330	-3	NA	± 30 %	AverageRF
‡ Toluene	50	52	0.01	0.500	0.515	3	NA	± 20 %	AverageRF
trans-1,3-Dichloropropene	50	50	0.01	0.739	0.738	0	NA	± 30 %	AverageRF
1,1,2-Trichloroethane	50	51	0.01	0.460	0.471	2	NA	± 30 %	AverageRF
Tetrachloroethene (PCE)	50	54	0.01	0.394	0.424	8	NA	± 30 %	AverageRF
Dibromochloromethane	50	49	0.01	0.585	0.573	-2	NA	± 30 %	AverageRF
† Chlorobenzene	50	53	0.30	1.48	1.57	6	NA	± 30 %	AverageRF
‡ Ethylbenzene	50	55	0.01	0.704	0.780	11	NA	± 20 %	AverageRF
† Bromoform	50	47	0.10	0.392	0.366	-7	NA	± 30 %	AverageRF
† 1,1,2,2-Tetrachloroethane	50	47	0.30	0.793	0.738	-7	NA	± 30 %	AverageRF
1,3-Dichlorobenzene	50	54	0.01	1.26	1.36	8	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	50	53	0.01	1.31	1.38	6	NA	± 30 %	AverageRF
1,2-Dichlorobenzene	50	52	0.01	1.25	1.30	4	NA	± 30 %	AverageRF
1,2,4-Trichlorobenzene	50	52	0.01	0.825	0.857	4	NA	± 30 %	AverageRF
Dibromofluoromethane	50	54	0.01	0.224	0.243	8	NA	± 30 %	AverageRF
Toluene-d8	50	60	0.01	0.784	0.940	20	NA	± 30 %	AverageRF
4-Bromofluorobenzene	50	54	0.01	0.771	0.838	9	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

Exception Report

Data File:	J:\MS24\DATA\112410\1124F010.D	**Date Acquired:**	11/24/2010 14:03
Lab ID:	KWG1012930-2	**Date Quantitated:**	11/24/2010 14:17
RunType:	CCV	**Batch ID:**	KWG1012930
Matrix:	SOIL	**Analysis Method:**	8260B
		MethodJoinID:	MJ120

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA		x
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Initial Calibration Minimum RF	1,4-Dioxane	0.0033	0.01	NA	NT
Second Source ICAL Verification	trans-1,4-Dichloro-2-butene	51.7	NA	30	

Primary Review: Ka 11/24/10

Secondary Review: [illegible] 11/29/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SOIL
Prod Code:	8260B	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012930	**Prep Lot:**		**Report Group:**	
Analysis Method:	8260B	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS24\METHODS\111510MS24SO	**Calibration ID:**	CAL10052
Title:			
Tune Ref:	J:\MS24\DATA\112410\1124F009.D	**Method ID:**	MJ120
MB Ref:		**Quant based on Method**	

Data File:	J:\MS24\DATA\112410\1124F010.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 14:03	**Quant Date:**	11/24/2010 14:17	**Vial:**	2
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG1012930-2			**Soln Conc. Units:**	PPB

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	Fluorobenzene	4.02	0.00	96	259368	50.00	OK
2	Chlorobenzene-d5	6.65	0.00	82	97222	50.00	OK
3	1,4-Dichlorobenzene-d4	8.98	0.00	152	87249	50.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	Dibromofluoromethane	3.53			113	63072	54.25		83-128	NA
1	1,2-Dichloroethane-d4	3.81			65	72559	48.53		64-142	NA
1	Toluene-d8	5.31			98	243845	59.93		90-125	NA
2	4-Bromofluorobenzene	7.83			95	81478	54.37		77-124	NA

Target Compounds

Final Conc. Units:

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Dichlorodifluoromethane	0.86			85	54910	51.33			
1	Chloromethane	0.99			50	70041	47.02			
1	Vinyl Chloride	1.06			62	71517	54.26			
1	Bromomethane	1.30			96	52536	57.97			
1	Chloroethane	1.36			64	51369	59.47			
1	Dichlorofluoromethane (CFC 21	1.52			67	121120	60.38			
1	Trichlorofluoromethane	1.51			101	84338	58.24			
1	Diethyl Ether	1.73			59	59601	52.93			
1	Acrolein	1.87			56	55184	248.49			
1	Trichlorotrifluoroethane	1.86			151	34826	49.36			
1	1,1-Dichloroethene	1.88			96	40639	48.44			
1	Acetone	1.98			43	39453	86.00			
1	Iodomethane (Methyl Iodide)	2.00			142	126380	110.73			
1	Carbon Disulfide	2.01			76	157164	46.58			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F010.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 14:03	**Quant Date:**	11/24/2010 14:17	**Vial:**	2
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG1012930-2			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:**

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	3-Chloro-1-propene	2.16			76	26960	45.39			
1	Acetonitrile	2.23			40	73723	824.78			
1	Methylene Chloride	2.27			84	65768	48.87			
1	tert-Butyl Alcohol	2.35			59	21134	171.46			
1	Acrylonitrile	2.50			53	41045	87.31			
1	Methyl tert-Butyl Ether	2.40			73	289184	87.31			
1	trans-1,2-Dichloroethene	2.41			96	53179	50.52			
1	n-Hexane	2.54			57	64285	47.31			
1	Diisopropyl Ether	2.73			45	175552	46.33			
1	1,1-Dichloroethane	2.75			63	100392	49.72			
1	Vinyl Acetate	2.78			86	10815	48.23			
1	Chloroprene	2.78			53	160183	98.29			
1	tert-Butyl Ethyl Ether	2.99			59	147188	44.15			
1	2,2-Dichloropropane	3.15			77	53294	46.59			
1	cis-1,2-Dichloroethene	3.18			96	62725	50.64			
1	2-Butanone (MEK)	3.21			72	13710	81.74			
1	Propionitrile	3.32			54	15502	81.39			
1	Methacrylonitrile	3.40			67	48843	88.91			
1	Bromochloromethane	3.36			128	32046	49.42			
1	Tetrahydrofuran	3.36			71	6861	39.86			
1	Chloroform	3.41			83	101809	51.16			
1	1,1,1-Trichloroethane (TCA)	3.50			97	65444	48.20			
1	Carbon Tetrachloride	3.59			117	57874	48.01			
1	1,1-Dichloropropene	3.63			75	66311	49.03			
1	Isobutanol	3.78			43	37657	675.72			
1	Benzene	3.79			78	222370	49.79			
1	1,2-Dichloroethane (EDC)	3.87			62	81819	49.13			
1	tert-Amyl Methyl Ether	3.84			55	53830	48.23			
1	Trichloroethene (TCE)	4.29			95	55337	49.47			
1	1,2-Dichloropropane	4.53			63	57419	49.05			
1	Dibromomethane	4.62			93	38227	48.65			
1	Methyl Methacrylate	4.60			69	37055	42.64			
1	1,4-Dioxane	4.62			88	14164	833.79			
1	Bromodichloromethane	4.75			83	76588	49.58			
1	2-Nitropropane	5.02			41	37238	130.51			
1	2-Chloroethyl Vinyl Ether	5.02			63	30300	41.01			
1	cis-1,3-Dichloropropene	5.13			75	85515	48.69			
1	4-Methyl-2-pentanone (MIBK)	5.26			58	39364	85.33			
1	Toluene	5.36			92	133551	51.52			
2	trans-1,3-Dichloropropene	5.65			75	71732	49.90			
2	Ethyl Methacrylate	5.67			69	60656	44.75			
2	1,1,2-Trichloroethane	5.81			83	45817	51.19			

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N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS24\DATA\112410\1124F010.D			**Instrument:**	MS24
Acqu Date:	11/24/2010 14:03	**Quant Date:**	11/24/2010 14:17	**Vial:**	2
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG1012930-2			**Soln Conc. Units:**	PPB

Target Compounds **Final Conc. Units:**

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	Tetrachloroethene (PCE)	5.82			164	41232	53.85			
2	2-Hexanone	6.02			57	12353	84.06			
2	1,3-Dichloropropane	5.97			76	92050	50.21			
2	Dibromochloromethane	6.13			129	55748	48.99			
2	1,2-Dibromoethane (EDB)	6.25			107	50377	50.41			
2	1-Chlorohexane	6.64			91	57853	49.48			
2	Chlorobenzene	6.68			112	152882	53.06			
2	Ethylbenzene	6.76			106	75815	55.35			
2	1,1,1,2-Tetrachloroethane	6.77			131	51646	50.81			
2	m,p-Xylenes	6.87			106	191840	114.53			
2	o-Xylene	7.27			106	91208	55.29			
2	Styrene	7.30			103	74721m	53.51			
2	Bromoform	7.51			173	35572	46.67			
2	Isopropylbenzene	7.62			105	204885	55.82			
2	cis-1,4-Dichloro-2-butene	7.80			89	15679	86.13			
3	1,1,2,2-Tetrachloroethane	8.03			83	64415	46.55			
3	trans-1,4-Dichloro-2-butene	8.10			53	12552	45.80			
3	Bromobenzene	7.96			156	65296	54.01			
3	n-Propylbenzene	8.04			91	271567	56.45			
3	1,2,3-Trichloropropane	8.07			110	19914	48.96			
3	2-Chlorotoluene	8.15			91	170347	55.06			
3	1,3,5-Trimethylbenzene	8.23			105	187593	55.47			
3	4-Chlorotoluene	8.27			91	179304	55.95			
3	tert-Butylbenzene	8.54			119	154330	55.73			
3	1,2,4-Trimethylbenzene	8.60			105	192071	54.79			
3	sec-Butylbenzene	8.76			105	233328	56.30			
3	4-Isopropyltoluene	8.90			119	191685	54.40			
3	1,3-Dichlorobenzene	8.90			146	118676	54.01			
3	1,4-Dichlorobenzene	9.00			146	120655	52.92			
3	n-Butylbenzene	9.31			91	174309	54.60			
3	1,2-Dichlorobenzene	9.36			146	113572	52.07			
3	1,2-Dibromo-3-chloropropane	10.14			155	8463	40.32			
3	1,2,4-Trichlorobenzene	10.86			180	74782	51.94			
3	Hexachlorobutadiene	10.96			225	38340	51.89			
3	Naphthalene	11.09			128	154726	42.99			
3	1,2,3-Trichlorobenzene	11.32			180	72545	49.49			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

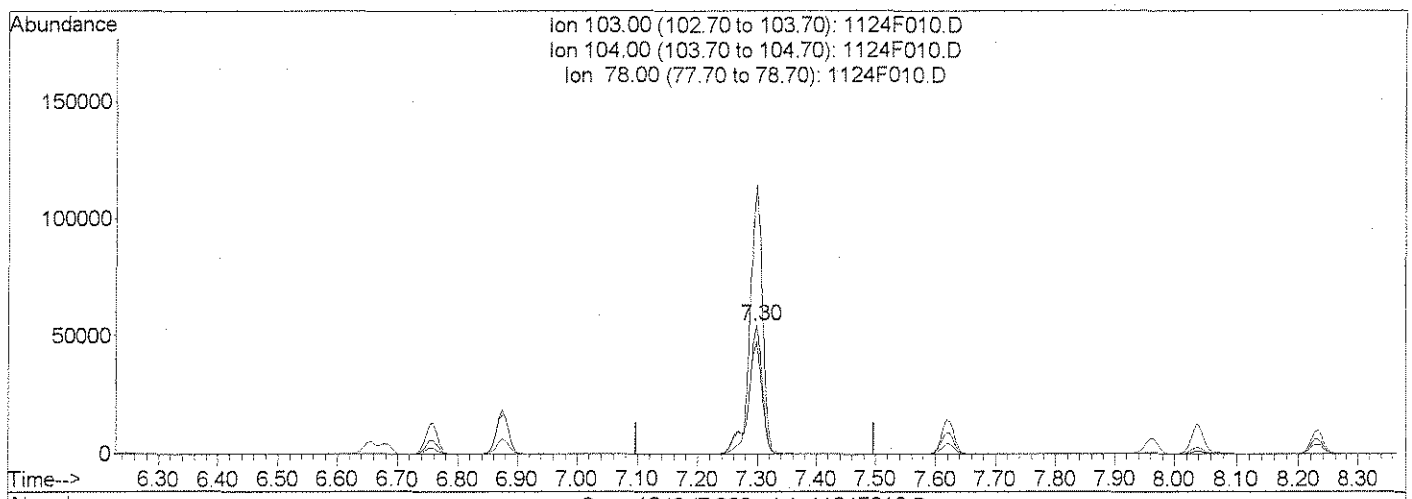
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
c: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

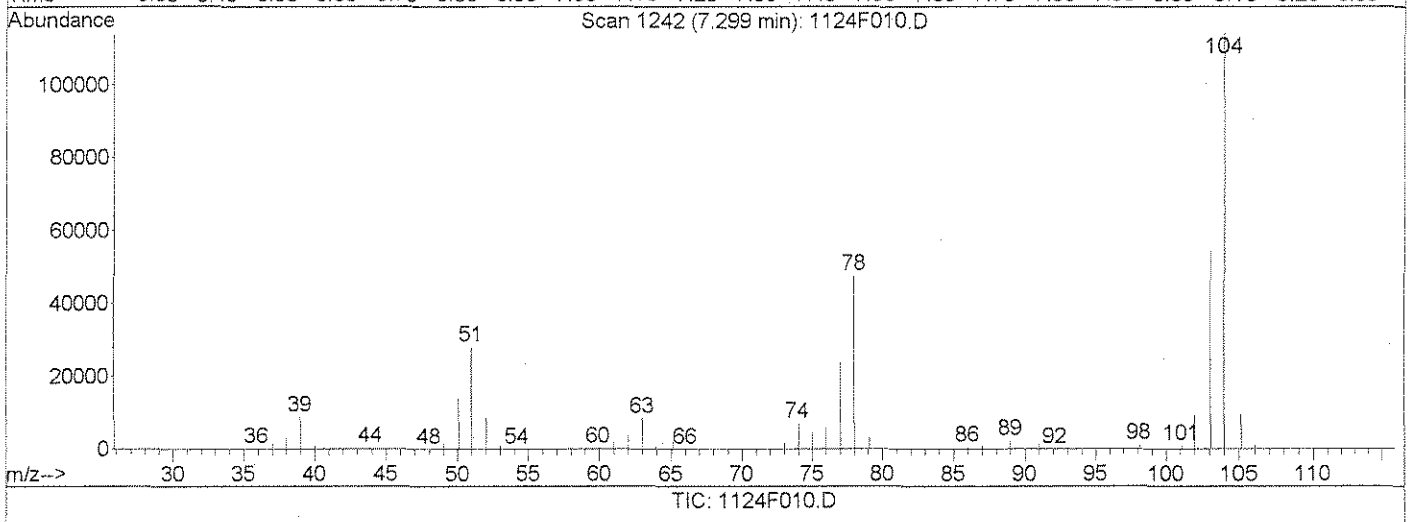
Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F010.D
Acq On : 24 Nov 2010 2:03 pm
Sample : SOIL CCV
Misc :
MS Integration Params: rteint.p
Quant Time: Nov 24 14:17 2010

Vial: 2
Operator: KR
Inst : MS24
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





(73) Styrene (T)

7.30min 62.96PPB

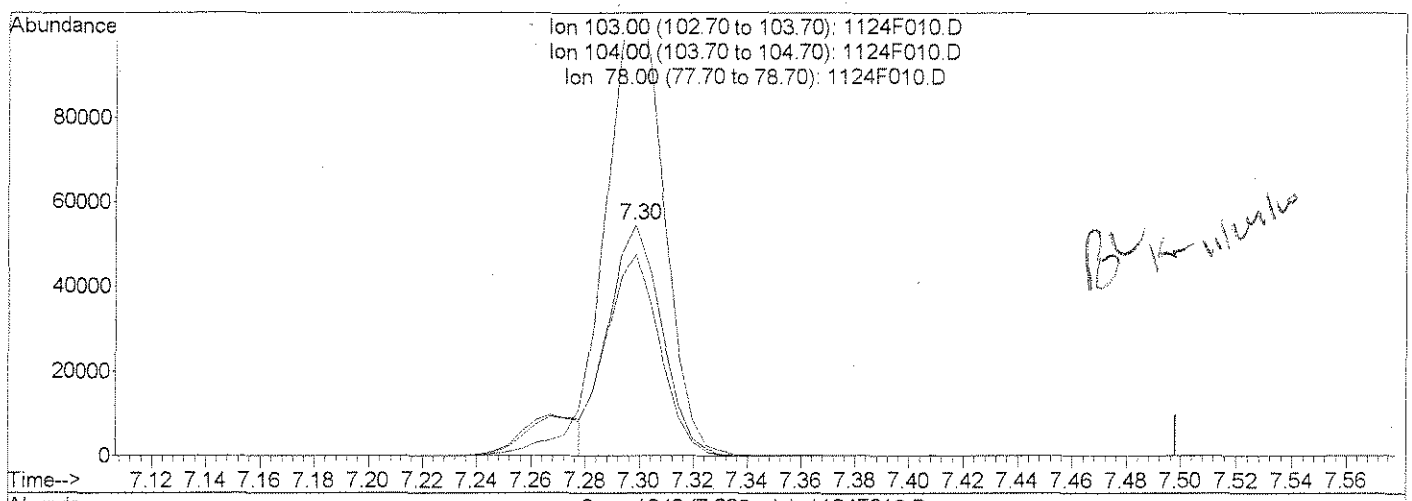
response 87916

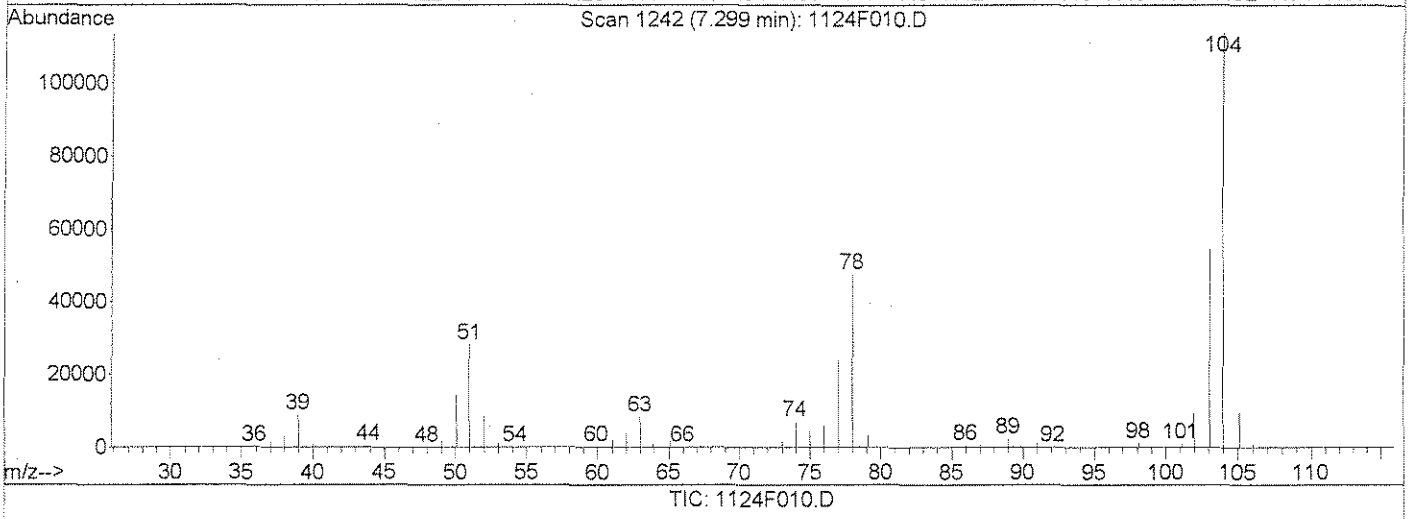
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	209.70
78.00	76.90	87.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS24\DATA\112410\1124F010.D Vial: 2
Acq On : 24 Nov 2010 2:03 pm Operator: KR
Sample : SOIL CCV Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 24 14:17 2010 Quant Results File: temp.res

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Multiple Level Calibration





TIC: 1124F010.D

(73) Styrene (T)

7.30min 53.51PPB m

response 74721

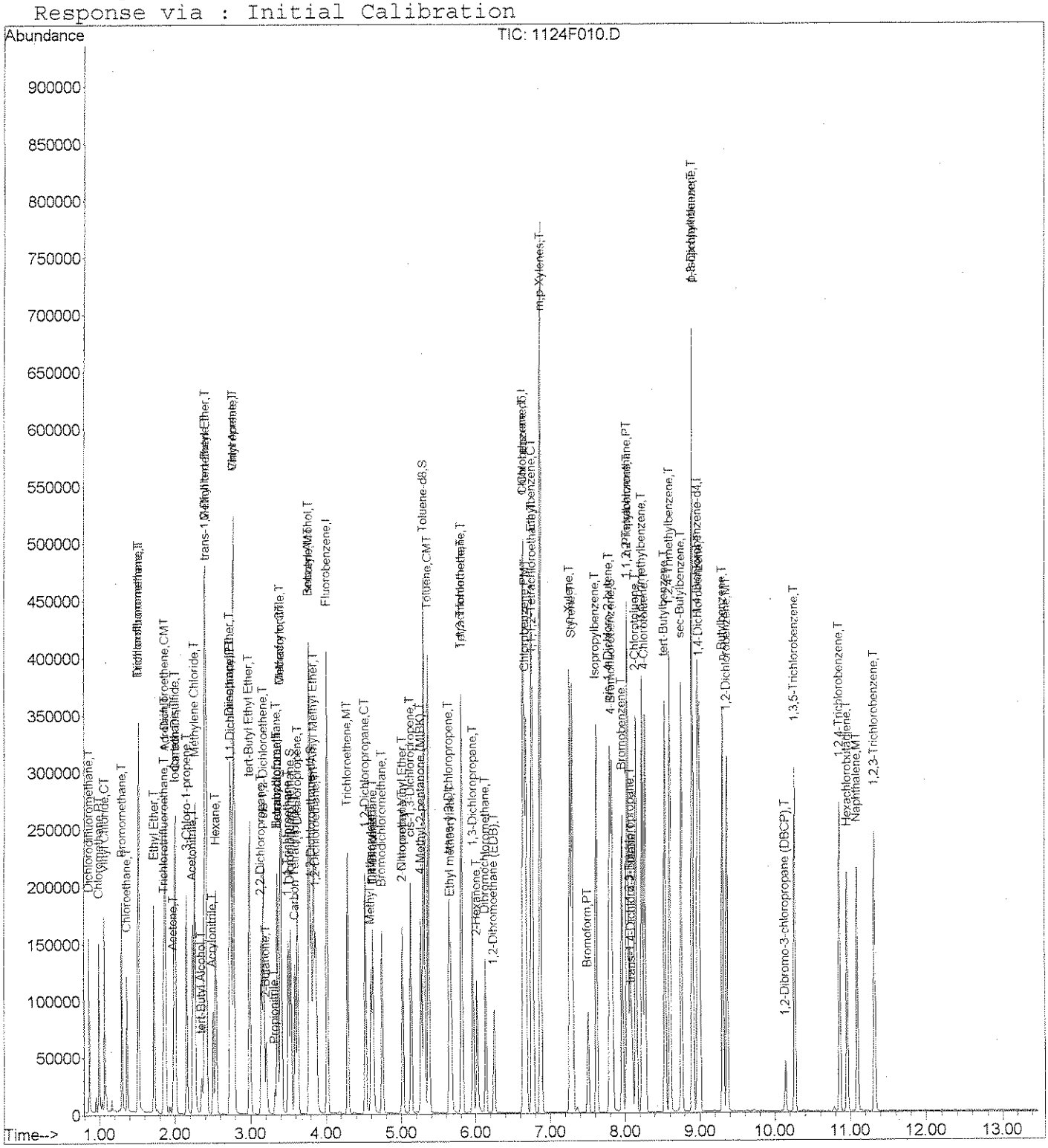
Ion	Exp%	Act%
103.00	100	100
104.00	198.60	209.70
78.00	76.90	87.16
0.00	0.00	0.00

1124F010.D 111510MS24SOIL.M Wed Nov 24 14:17:54 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS24\DATA\112410\1124F010.D Vial: 2
Acq On : 24 Nov 2010 2:03 pm Operator: KR
Sample : SOIL CCV Inst : MS24
Misc : Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Nov 24 14:17 2010 Quant Results File: 111510MS24SO

Method : J:\MS24\METHODS\111510MS24SOIL.M (RTE Integrator)
Title : VOA MS24 EPA Method 8260B
Last Update : Wed Nov 17 10:39:03 2010
Response via : Initial Calibration



Organic Analysis:
Volatile Organic Compounds

Validation Package

Sample Prep and Screen Data

Date: 11/24/10

Columbia Analytical Services, Inc.

Injection Log

MS24 - Agilent 5975

Tune File: BFB instrument

New Tune: yes

By: KA

IS/SS Std. ID: 5ml/A - 79E

CCV Std ID: 5ml/A - 79C

ICAL Date: 11/15/10 Cal 100052

MS/DMS/LCS/ICV Std ID: 5ml/A - 79C / 77A / 78D / 79D / 79E

Second RV: 11/29/10

BFB Std. ID: 5ml/A - 61C

LIMS ID: KW0012930 / 125941

	Sample Name	File Name	Method	Dilution	pH	R	Comments
1	BFB	112409	8260.M	1µl + 50ml			
2	Soil CCV	10		25µl + 50ml			
3	LCS	11		50/50/25/25/10µl + 50ml			(NR)
4	DMS	12					
5	IB	13					
6	MRL	14		1µl + 50ml			
7	MB	15					
8	MB	16					
9	K12914 - 1	17					
10	2	18					
11	9	19					
12	10	20					
13	16	21					
14	17	22					
15	18	23					
16	19	24					
17	1MS	25		50/50/25/25/10µl + 50ml			
18	1DMS	26					
19	IB	27					
20	LCS (R)	28		50/50/25/25/10µl + 50ml			
21	DMS (R)	29					
22	IB	30					
23							
24							
25							
26							
27							

R:\VOA\Injection Logs\INJLOG_MS24_Rev1

Columbia Analytical Services, Inc.

Service Request No.: K1012914 Analysis: 8260LL

Analyst: KL Date: 1/24/10

Sample Number	Weight (g)	Tare Weight (g)	Weight Sample + Vial (g)	Volume of P&T MeOH / Water Added (mL)	% Moisture	Final Volume MeOH and Water (mL)
K1012914- 1	5.13			5mL		
2	5.07					
9	5.09					
10	5.14					
16	5.08					
17	5.07					
18	5.13					
19	5.04					
1 MS	5.00					
1 DMS	5.04					
LCS	5.00					
DLCS	5.00					
MB	5.00					

Start Time: 3:09 Stop Time: 3:35 Surrogate: _____ Spike: _____

P&T MeOH Lot No.: _____ Prep Group No.: _____ Storage Location: _____

Comments: _____

Final Volume MeOH and Water = mL of solvent + ((%Moisture x Sample Wt.(g)) / 100)

Semi-Volatile Organic Compounds

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Summary Package

Sample and QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Cover Page - Organic Analysis Data Package
Semi-Volatile Organic Compounds by GC/MS

Sample Name	Lab Code	Date Collected	Date Received
SL0001	K1012914-001	11/15/2010	11/17/2010
SL0002	K1012914-002	11/15/2010	11/17/2010
SL0009	K1012914-009	11/15/2010	11/17/2010
SL0010	K1012914-010	11/15/2010	11/17/2010
SL0017	K1012914-016	11/15/2010	11/17/2010
SL0018	K1012914-017	11/15/2010	11/17/2010
SL0019	K1012914-018	11/15/2010	11/17/2010
SL0020	K1012914-019	11/15/2010	11/17/2010
SL0010MS	KWG1012700-1	11/15/2010	11/17/2010
SL0010DMS	KWG1012700-2	11/15/2010	11/17/2010

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Carl Digan

Date: 11/24/10 Title: GVM Supervisor

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0001
Lab Code: K1012914-001

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	30	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	6.0	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	18	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	6.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	6.0	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	6.0	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	6.0	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	6.0	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	6.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	30	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	6.0	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	6.0	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	6.0	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	30	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**2.1**	J	6.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**38**		6.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	6.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**2.8**	J	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	60	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**2.3**	J	6.0	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	**3.4**	J	6.0	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	60	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	6.0	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0001
Lab Code: K1012914-001

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	6.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	60	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**26**		6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**6.4**		6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**51**		6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**41**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	6.0	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	60	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**26**		6.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**28**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	60	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	6.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**38**		6.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**14**		6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**30**		6.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**21**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**5.1**	J	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**24**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	51	11-80	11/23/10	Acceptable
Phenol-d6	70	20-86	11/23/10	Acceptable
Nitrobenzene-d5	86	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	83	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	64	10-119	11/23/10	Acceptable
Terphenyl-d14	106	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry

† Analyte Comments

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0002
Lab Code: K1012914-002

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	290	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	57	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	170	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	57	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	57	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	57	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	57	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	57	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	57	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	290	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	57	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	57	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	57	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	290	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	57	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**25**	JD	57	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	57	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	570	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	57	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	57	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	570	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	57	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0002
Lab Code: K1012914-002

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	57	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	570	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**29**	JD	57	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**33**	JD	57	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	57	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	570	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**18**	JD	57	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	570	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	57	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**30**	JD	57	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**28**	JD	57	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	64	11-80	11/23/10	Acceptable
Phenol-d6	70	20-86	11/23/10	Acceptable
Nitrobenzene-d5	82	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	77	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	65	10-119	11/23/10	Acceptable
Terphenyl-d14	99	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry

Analyte Comments

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	30	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	5.9	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	18	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	5.9	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	5.9	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	5.9	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	5.9	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	5.9	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	5.9	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	30	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	5.9	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	5.9	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	5.9	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	30	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**2.2**	J	5.9	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**75**		5.9	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	5.9	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**2.1**	J	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	59	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**1.8**	J	5.9	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	5.9	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	59	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	5.9	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0009
Lab Code: K1012914-009

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	5.9	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	59	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**25**		5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**6.5**		5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**72**		5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**62**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	5.9	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	59	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**40**		5.9	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**42**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	**7.4**	J	59	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	5.9	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**56**		5.9	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**21**		5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**44**		5.9	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**32**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**6.7**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**34**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	36	11-80	11/23/10	Acceptable
Phenol-d6	54	20-86	11/23/10	Acceptable
Nitrobenzene-d5	73	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	70	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	51	10-119	11/23/10	Acceptable
Terphenyl-d14	101	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0010
Lab Code: K1012914-010

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	28	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	5.6	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	17	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	5.6	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	5.6	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	5.6	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	5.6	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	5.6	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	5.6	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	28	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	5.6	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	5.6	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	5.6	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	29	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**2.3**	J	5.6	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**22**		5.6	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	5.6	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**3.4**	J	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	56	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**2.8**	J	5.6	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	5.6	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	56	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	5.6	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	5.6	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	56	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**38**		5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**9.4**		5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**110**		5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**100**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	5.6	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	56	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**65**		5.6	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**71**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	56	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	5.6	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**92**		5.6	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**33**		5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**75**		5.6	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**55**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**11**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**56**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	27	11-80	11/23/10	Acceptable
Phenol-d6	46	20-86	11/23/10	Acceptable
Nitrobenzene-d5	65	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	68	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	43	10-119	11/23/10	Acceptable
Terphenyl-d14	95	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	300	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	60	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	180	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	60	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	60	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	60	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	60	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	60	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	60	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	300	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	60	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	60	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	60	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	300	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	60	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**30**	JD	60	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	60	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	600	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	60	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	60	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	600	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	60	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0017
Lab Code: K1012914-016

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	60	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	600	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**45**	JD	60	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**88**	D	60	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**100**	D	60	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	60	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	600	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**58**	JD	60	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**48**	JD	60	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	600	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	**1700**	D	60	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**74**	D	60	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**35**	JD	60	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**66**	D	60	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**70**	D	60	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**93**	D	60	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	36	11-80	11/23/10	Acceptable
Phenol-d6	51	20-86	11/23/10	Acceptable
Nitrobenzene-d5	79	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	72	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	45	10-119	11/23/10	Acceptable
Terphenyl-d14	96	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry

† Analyte Comments

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1300	1300	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	310	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	61	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	190	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	61	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	61	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	61	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	61	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	61	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	61	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	310	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	61	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	61	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	61	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	310	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	61	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**21**	JD	61	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**52**	JD	61	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	61	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1300	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	610	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	61	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	61	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	610	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	61	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	61	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	61	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	61	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	610	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**54**	JD	61	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	**23**	JD	61	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	130	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**81**	D	61	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**81**	D	61	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	61	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	610	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**48**	JD	61	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**63**	D	61	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	**120**	JD	610	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	61	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**76**	D	61	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**22**	JD	61	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**69**	D	61	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**67**	D	61	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**90**	D	61	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	51	11-80	11/23/10	Acceptable
Phenol-d6	59	20-86	11/23/10	Acceptable
Nitrobenzene-d5	70	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	73	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	60	10-119	11/23/10	Acceptable
Terphenyl-d14	91	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0019
Lab Code: K1012914-018

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	300	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	59	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	180	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	59	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	59	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	59	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	59	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	300	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	59	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	59	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	300	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**22**	JD	59	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	590	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	59	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	590	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0019
Lab Code: K1012914-018

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	590	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**56**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**130**	D	59	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**120**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	59	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	590	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**70**	D	59	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**92**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	590	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	59	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**97**	D	59	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**38**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**78**	D	59	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**83**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**88**	D	59	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	40	11-80	11/23/10	Acceptable
Phenol-d6	53	20-86	11/23/10	Acceptable
Nitrobenzene-d5	72	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	73	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	55	10-119	11/23/10	Acceptable
Terphenyl-d14	102	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0019	**Units:**	ug/Kg
Lab Code:	K1012914-018	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0020
Lab Code: K1012914-019

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	300	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	59	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	180	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	59	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	59	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	59	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	59	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	300	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	59	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	59	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	300	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**54**	JD	59	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	590	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	59	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	590	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0020
Lab Code: K1012914-019

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	590	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**30**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**70**	D	59	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**65**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	59	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	590	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**39**	JD	59	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**51**	JD	59	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	590	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	59	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**63**	D	59	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**19**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**51**	JD	59	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**60**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**67**	D	59	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	56	11-80	11/23/10	Acceptable
Phenol-d6	61	20-86	11/23/10	Acceptable
Nitrobenzene-d5	66	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	69	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	70	10-119	11/23/10	Acceptable
Terphenyl-d14	97	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012700-5	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	99	99	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	25	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	5.0	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	**2.1**	J	15	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	5.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	5.0	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	5.0	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	5.0	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	5.0	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	5.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	25	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	5.0	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	5.0	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	5.0	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	29	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	5.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	ND	U	5.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	5.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	99	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	50	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	5.0	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	5.0	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	50	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	5.0	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1012700-5

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	5.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	50	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	9.9	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	5.0	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	50	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	ND	U	5.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	50	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	5.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	ND	U	5.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	ND	U	5.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	59	11-80	11/23/10	Acceptable
Phenol-d6	77	20-86	11/23/10	Acceptable
Nitrobenzene-d5	71	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	71	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	76	10-119	11/23/10	Acceptable
Terphenyl-d14	103	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012700-5	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Surrogate Recovery Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4	Sur5	Sur6
SL0001	K1012914-001	51	70	86	83	64	106
SL0002	K1012914-002	64 D	70 D	82 D	77 D	65 D	99 D
SL0009	K1012914-009	36	54	73	70	51	101
SL0010	K1012914-010	27	46	65	68	43	95
SL0017	K1012914-016	36 D	51 D	79 D	72 D	45 D	96 D
SL0018	K1012914-017	51 D	59 D	70 D	73 D	60 D	91 D
SL0019	K1012914-018	40 D	53 D	72 D	73 D	55 D	102 D
SL0020	K1012914-019	56 D	61 D	66 D	69 D	70 D	97 D
Method Blank	KWG1012700-5	59	77	71	71	76	103
SL0010MS	KWG1012700-1	54	63	70	72	63	87
SL0010DMS	KWG1012700-2	52	62	74	64	66	93
Lab Control Sample	KWG1012700-3	50	60	62	56	69	86
Duplicate Lab Control Sample	KWG1012700-4	48	59	61	58	65	90

Surrogate Recovery Control Limits (%)

Sur1 = 2-Fluorophenol	11-80	Sur5 = 2,4,6-Tribromophenol	10-119
Sur2 = Phenol-d6	20-86	Sur6 = Terphenyl-d14	33-129
Sur3 = Nitrobenzene-d5	27-91		
Sur4 = 2-Fluorobiphenyl	25-97		

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/23/2010
Time Analyzed: 13:31

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS06\DATA\112310\1123F002.D
Instrument ID: MS06
Analysis Method: 8270C

Lab Code: KWG1012886-2
Analysis Lot: KWG1012886

		1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	80,553	8.19	255,440	10.07	135,347	12.87
	Upper Limit ==>	161,106	8.69	510,880	10.57	270,694	13.37
	Lower Limit ==>	40,277	7.69	127,720	9.57	67,674	12.37
	ICAL Result ==>	71,417	8.28	219,693	10.15	114,890	12.95
Associated Analyses							
Method Blank	KWG1012700-5	80,110	8.19	255,624	10.07	128,629	12.87
Lab Control Sample	KWG1012700-3	84,460	8.20	264,239	10.07	138,370	12.87
Duplicate Lab Control Sample	KWG1012700-4	89,206	8.20	275,304	10.07	139,987	12.88
SL0001	K1012914-001	79,728	8.20	249,444	10.07	124,799	12.87
SL0009	K1012914-009	87,841	8.21	271,983	10.08	139,681	12.89
SL0010	K1012914-010	84,560	8.20	263,444	10.08	131,331	12.89
SL0010MS	KWG1012700-1	87,679	8.21	271,209	10.09	135,885	12.90
SL0010DMS	KWG1012700-2	84,176	8.23	268,583	10.10	141,203	12.91
SL0002	K1012914-002	79,506	8.22	245,731	10.10	128,669	12.90
SL0017	K1012914-016	74,618	8.22	222,289	10.10	118,822	12.90
SL0018	K1012914-017	69,652	8.22	204,881	10.10	110,215	12.90
SL0019	K1012914-018	60,174	8.23	180,165	10.10	100,032	12.90
SL0020	K1012914-019	55,023	8.23	162,288	10.10	92,444	12.90

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/23/2010
Time Analyzed: 13:31

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS06\DATA\112310\1123F002.D
Instrument ID: MS06
Analysis Method: 8270C

Lab Code: KWG1012886-2
Analysis Lot: KWG1012886

		Phenanthrene-d10		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT	Area	RT
	Results ==>	261,614	15.28	304,465	19.62	263,419	23.00
	Upper Limit ==>	523,228	15.78	608,930	20.12	526,838	23.50
	Lower Limit ==>	130,807	14.78	152,233	19.12	131,710	22.50
	ICAL Result ==>	223,682	15.36	270,570	19.72	233,962	23.14
Associated Analyses							
Method Blank	KWG1012700-5	244,044	15.28	275,069	19.61	245,532	23.00
Lab Control Sample	KWG1012700-3	264,138	15.28	303,589	19.62	264,212	23.00
Duplicate Lab Control Sample	KWG1012700-4	273,905	15.28	308,701	19.62	275,462	23.00
SL0001	K1012914-001	239,124	15.27	282,864	19.62	251,222	23.02
SL0009	K1012914-009	259,904	15.29	297,401	19.64	268,696	23.07
SL0010	K1012914-010	259,367	15.29	289,377	19.66	263,863	23.10
SL0010MS	KWG1012700-1	262,541	15.31	298,980	19.68	268,053	23.16
SL0010DMS	KWG1012700-2	262,202	15.32	297,622	19.71	275,462	23.20
SL0002	K1012914-002	251,095	15.31	281,495	19.68	255,806	23.17
SL0017	K1012914-016	244,185	15.31	264,832	19.69	244,145	23.19
SL0018	K1012914-017	233,946	15.32	256,859	19.69	239,923	23.19
SL0019	K1012914-018	205,298	15.32	239,565	19.70	228,076	23.21
SL0020	K1012914-019	188,621	15.32	228,088	19.69	214,695	23.19

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/19/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/23/2010

Matrix Spike/Duplicate Matrix Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	KWG1012700

		SL0010MS KWG1012700-1 Matrix Spike			SL0010DMS KWG1012700-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Phenol	ND	86.6	140	62	86.0	140	61	15-98	1	40
2-Chlorophenol	ND	89.7	140	64	91.9	140	66	19-92	2	40
N-Nitrosodi-n-propylamine	ND	103	140	74	103	140	73	14-104	1	40
4-Chloro-3-methylphenol	ND	78.4	140	56	72.4	140	52	12-106	8	40
Acenaphthene	3.4	115	140	79	103	140	71	21-104	11	40
4-Nitrophenol	ND	75.1	140	54	65.5	140	47	11-131	14	40
2,4-Dinitrotoluene	ND	111	140	79	96.0	140	68	25-114	14	40
Pentachlorophenol	ND	40.9	140	29	54.5	140	39	10-123	28	40
Pyrene	100	257	140	111	226	140	89	17-129	13	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Extracted: 11/19/2010
Date Analyzed: 11/23/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG1012700

	Lab Control Sample KWG1012700-3 Lab Control Spike			Duplicate Lab Control Sample KWG1012700-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
N-Nitrosodimethylamine	165	250	66	169	250	68	18-91	2	40
Bis(2-chloroethyl) Ether	156	250	62	166	250	66	29-86	6	40
Phenol	161	250	64	160	250	64	28-91	1	40
2-Chlorophenol	151	250	60	155	250	62	31-83	2	40
Bis(2-chloroisopropyl) Ether	159	250	64	161	250	64	23-88	1	40
Hexachloroethane	154	250	62	150	250	60	25-84	2	40
N-Nitrosodi-n-propylamine	166	250	67	170	250	68	24-89	2	40
Nitrobenzene	152	250	61	155	250	62	29-87	2	40
Isophorone	161	250	64	166	250	66	33-83	3	40
2-Nitrophenol	157	250	63	165	250	66	33-89	5	40
2,4-Dimethylphenol	71.6	250	29	73.9	250	30	10-63	3	40
Bis(2-chloroethoxy)methane	158	250	63	169	250	68	33-85	6	40
2,4-Dichlorophenol	154	250	62	152	250	61	33-83	2	40
Naphthalene	150	250	60	157	250	63	32-84	4	40
Hexachlorobutadiene	137	250	55	140	250	56	28-87	3	40
4-Chloro-3-methylphenol	158	250	63	159	250	63	28-87	1	40
Hexachlorocyclopentadiene	88.4	250	35	91.2	250	36	10-66	3	40
2,4,6-Trichlorophenol	149	250	60	151	250	61	31-86	2	40
2-Chloronaphthalene	150	250	60	161	250	64	31-86	7	40
Acenaphthylene	161	250	65	167	250	67	33-87	4	40
Dimethyl Phthalate	179	250	72	180	250	72	38-91	1	40
2,6-Dinitrotoluene	180	250	72	180	250	72	36-94	0	40
Acenaphthene	158	250	63	163	250	65	35-83	3	40
2,4-Dinitrophenol	72.3	250	29	45.1	250	18	10-100	46 *	40
4-Nitrophenol	153	250	61	164	250	66	32-110	7	40
2,4-Dinitrotoluene	186	250	74	195	250	78	40-98	5	40
Fluorene	162	250	65	164	250	66	36-87	1	40
4-Chlorophenyl Phenyl Ether	160	250	64	158	250	63	34-87	1	40
Diethyl Phthalate	179	250	71	188	250	75	39-98	5	40
2-Methyl-4,6-dinitrophenol	148	250	59	145	250	58	27-102	2	40
N-Nitrosodiphenylamine	168	250	67	171	250	68	29-92	2	40
Azobenzene	174	250	70	172	250	69	32-89	1	40
4-Bromophenyl Phenyl Ether	174	250	70	166	250	66	38-90	5	40
Hexachlorobenzene	178	250	71	172	250	69	39-90	3	40
Pentachlorophenol	134	250	53	134	250	54	21-97	0	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Extracted: 11/19/2010
Date Analyzed: 11/23/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG1012700

	Lab Control Sample KWG1012700-3 Lab Control Spike			Duplicate Lab Control Sample KWG1012700-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Phenanthrene	184	250	74	183	250	73	41-90	0	40
Anthracene	184	250	74	186	250	74	35-93	1	40
Di-n-butyl Phthalate	198	250	79	215	250	86	40-116	8	40
Fluoranthene	196	250	78	210	250	84	42-103	7	40
Pyrene	199	250	80	215	250	86	42-105	8	40
Butyl Benzyl Phthalate	202	250	81	224	250	90	41-114	11	40
3,3'-Dichlorobenzidine	132	250	53	149	250	60	13-98	12	40
Benz(a)anthracene	197	250	79	220	250	88	43-104	11	40
Chrysene	196	250	78	215	250	86	47-104	9	40
Bis(2-ethylhexyl) Phthalate	212	250	85	235	250	94	40-122	10	40
Di-n-octyl Phthalate	215	250	86	232	250	93	43-119	8	40
Benzo(b)fluoranthene	198	250	79	212	250	85	45-106	7	40
Benzo(k)fluoranthene	199	250	80	214	250	86	47-105	7	40
Benzo(a)pyrene	198	250	79	215	250	86	35-109	9	40
Indeno(1,2,3-cd)pyrene	201	250	80	218	250	87	43-111	8	40
Dibenz(a,h)anthracene	199	250	80	217	250	87	44-110	8	40
Benzo(g,h,i)perylene	198	250	79	213	250	85	38-108	7	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/19/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/23/2010
		Time Analyzed:	14:23

Method Blank Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**File ID:**	J:\MS06\DATA\112310\1123F003.D
Lab Code:	KWG1012700-5	**Instrument ID:**	MS06
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	KWG1012700

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012700-3	J:\MS06\DATA\112310\1123F004.D	11/23/10	15:01
Duplicate Lab Control Sample	KWG1012700-4	J:\MS06\DATA\112310\1123F005.D	11/23/10	15:39
SL0001	K1012914-001	J:\MS06\DATA\112310\1123F006.D	11/23/10	16:17
SL0009	K1012914-009	J:\MS06\DATA\112310\1123F007.D	11/23/10	16:55
SL0010	K1012914-010	J:\MS06\DATA\112310\1123F008.D	11/23/10	17:32
SL0010MS	KWG1012700-1	J:\MS06\DATA\112310\1123F009.D	11/23/10	18:10
SL0010DMS	KWG1012700-2	J:\MS06\DATA\112310\1123F010.D	11/23/10	18:48
SL0002	K1012914-002	J:\MS06\DATA\112310\1123F011.D	11/23/10	19:25
SL0017	K1012914-016	J:\MS06\DATA\112310\1123F012.D	11/23/10	20:03
SL0018	K1012914-017	J:\MS06\DATA\112310\1123F013.D	11/23/10	20:40
SL0019	K1012914-018	J:\MS06\DATA\112310\1123F014.D	11/23/10	21:18
SL0020	K1012914-019	J:\MS06\DATA\112310\1123F015.D	11/23/10	21:55

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/19/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/23/2010
		Time Analyzed:	15:01

Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**File ID:**	J:\MS06\DATA\112310\1123F004.D
Lab Code:	KWG1012700-3	**Instrument ID:**	MS06
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	KWG1012700

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012700-5	J:\MS06\DATA\112310\1123F003.D	11/23/10	14:23
SL0001	K1012914-001	J:\MS06\DATA\112310\1123F006.D	11/23/10	16:17
SL0009	K1012914-009	J:\MS06\DATA\112310\1123F007.D	11/23/10	16:55
SL0010	K1012914-010	J:\MS06\DATA\112310\1123F008.D	11/23/10	17:32
SL0010MS	KWG1012700-1	J:\MS06\DATA\112310\1123F009.D	11/23/10	18:10
SL0010DMS	KWG1012700-2	J:\MS06\DATA\112310\1123F010.D	11/23/10	18:48
SL0002	K1012914-002	J:\MS06\DATA\112310\1123F011.D	11/23/10	19:25
SL0017	K1012914-016	J:\MS06\DATA\112310\1123F012.D	11/23/10	20:03
SL0018	K1012914-017	J:\MS06\DATA\112310\1123F013.D	11/23/10	20:40
SL0019	K1012914-018	J:\MS06\DATA\112310\1123F014.D	11/23/10	21:18
SL0020	K1012914-019	J:\MS06\DATA\112310\1123F015.D	11/23/10	21:55

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/23/2010
Time Analyzed: 12:53

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS06\DATA\112310\1123F001.D
Instrument ID: MS06
Column:

Analysis Method: 8270C
Analysis Lot: KWG1012886

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	80	64.5	57549	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	58.3	52042	PASS
70	69	0	2	0.0	0	PASS
127	198	25	75	41.9	37330	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	89194	PASS
199	198	5	9	7.6	6735	PASS
275	198	10	30	25.3	22589	PASS
365	198	1	100	3.1	2740	PASS
441	443	0	100	66.7	6716	PASS
442	198	40	110	56.8	50621	PASS
443	442	15	24	19.9	10065	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1012886-2	J:\MS06\DATA\112310\1123F002.D	11/23/2010	13:31	
Method Blank	KWG1012700-5	J:\MS06\DATA\112310\1123F003.D	11/23/2010	14:23	
Lab Control Sample	KWG1012700-3	J:\MS06\DATA\112310\1123F004.D	11/23/2010	15:01	
Duplicate Lab Control Sample	KWG1012700-4	J:\MS06\DATA\112310\1123F005.D	11/23/2010	15:39	
SL0001	K1012914-001	J:\MS06\DATA\112310\1123F006.D	11/23/2010	16:17	
SL0009	K1012914-009	J:\MS06\DATA\112310\1123F007.D	11/23/2010	16:55	
SL0010	K1012914-010	J:\MS06\DATA\112310\1123F008.D	11/23/2010	17:32	
SL0010MS	KWG1012700-1	J:\MS06\DATA\112310\1123F009.D	11/23/2010	18:10	
SL0010DMS	KWG1012700-2	J:\MS06\DATA\112310\1123F010.D	11/23/2010	18:48	
SL0002	K1012914-002	J:\MS06\DATA\112310\1123F011.D	11/23/2010	19:25	
SL0017	K1012914-016	J:\MS06\DATA\112310\1123F012.D	11/23/2010	20:03	
SL0018	K1012914-017	J:\MS06\DATA\112310\1123F013.D	11/23/2010	20:40	
SL0019	K1012914-018	J:\MS06\DATA\112310\1123F014.D	11/23/2010	21:18	
SL0020	K1012914-019	J:\MS06\DATA\112310\1123F015.D	11/23/2010	21:55	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS06\DATA\111510\1115F009.D	G	J:\MS06\DATA\111510\1115F015.D
B	J:\MS06\DATA\111510\1115F010.D	H	J:\MS06\DATA\111510\1115F016.D
C	J:\MS06\DATA\111510\1115F011.D	I	J:\MS06\DATA\111510\1115F017.D
D	J:\MS06\DATA\111510\1115F012.D	J	J:\MS06\DATA\111510\1115F018.D
E	J:\MS06\DATA\111510\1115F013.D		
F	J:\MS06\DATA\111510\1115F014.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
N-Nitrosodimethylamine										D	500	1.35	E	1000	1.41
	F	2000	1.47	G	3000	1.57	H	5000	1.67	I	7000	1.64	J	10000	1.70
Bis(2-chloroethyl) Ether				B	100	0.805	C	200	1.01	D	500	0.830	E	1000	0.940
	F	2000	1.01	G	3000	0.984	H	5000	0.979	I	7000	0.915	J	10000	0.908
‡ Phenol	A	50	1.18	B	100	1.12	C	200	1.26	D	500	1.26	E	1000	1.31
‡	F	2000	1.42	G	3000	1.40	H	5000	1.37	I	7000	1.25	J	10000	1.22
2-Chlorophenol	A	50	0.959	B	100	1.02	C	200	1.08	D	500	1.15	E	1000	1.20
	F	2000	1.27	G	3000	1.27	H	5000	1.26	I	7000	1.21	J	10000	1.21
Bis(2-chloroisopropyl) Ether	A	50	1.95	B	100	1.93	C	200	1.99	D	500	1.93	E	1000	2.03
	F	2000	2.09	G	3000	2.09	H	5000	2.04	I	7000	1.88	J	10000	1.81
Hexachloroethane				B	100	0.436	C	200	0.492	D	500	0.569	E	1000	0.610
	F	2000	0.650	G	3000	0.637	H	5000	0.638	I	7000	0.623	J	10000	0.617
† N-Nitrosodi-n-propylamine	A	50	0.800	B	100	0.826	C	200	0.776	D	500	0.799	E	1000	0.876
†	F	2000	0.910	G	3000	0.898	H	5000	0.881	I	7000	0.828	J	10000	0.823
Nitrobenzene	A	50	1.31	B	100	1.24	C	200	1.20	D	500	1.30	E	1000	1.32
	F	2000	1.37	G	3000	1.36	H	5000	1.38	I	7000	1.32	J	10000	1.32
Isophorone	A	50	0.683	B	100	0.655	C	200	0.628	D	500	0.664	E	1000	0.708
	F	2000	0.737	G	3000	0.749	H	5000	0.729	I	7000	0.704	J	10000	0.723
‡ 2-Nitrophenol	A	50	0.196	B	100	0.178	C	200	0.186	D	500	0.203	E	1000	0.225
‡	F	2000	0.233	G	3000	0.231	H	5000	0.227	I	7000	0.218	J	10000	0.225
2,4-Dimethylphenol										D	500	0.273	E	1000	0.294
	F	2000	0.312	G	3000	0.309	H	5000	0.303	I	7000	0.289	J	10000	0.289
Bis(2-chloroethoxy)methane	A	50	0.291	B	100	0.304	C	200	0.334	D	500	0.337	E	1000	0.352
	F	2000	0.364	G	3000	0.364	H	5000	0.349	I	7000	0.329	J	10000	0.333
‡ 2,4-Dichlorophenol	A	50	0.273	B	100	0.271	C	200	0.285	D	500	0.302	E	1000	0.322
‡	F	2000	0.350	G	3000	0.348	H	5000	0.338	I	7000	0.330	J	10000	0.338
Naphthalene	A	50	0.988	B	100	0.974	C	200	0.971	D	500	0.971	E	1000	1.02
	F	2000	1.07	G	3000	1.04	H	5000	1.00	I	7000	0.948	J	10000	0.980

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
‡ Hexachlorobutadiene	A	50	0.288	B	100	0.336	C	200	0.314	D	500	0.331	E	1000	0.336
‡	F	2000	0.357	G	3000	0.348	H	5000	0.344	I	7000	0.334	J	10000	0.349
‡ 4-Chloro-3-methylphenol	A	50	0.250	B	100	0.288	C	200	0.309	D	500	0.306	E	1000	0.324
‡	F	2000	0.356	G	3000	0.349	H	5000	0.348	I	7000	0.337	J	10000	0.342
† Hexachlorocyclopentadiene										D	500	0.433	E	1000	0.574
†	F	2000	0.690	G	3000	0.709	H	5000	0.733	I	7000	0.741	J	10000	0.742
‡ 2,4,6-Trichlorophenol	A	50	0.420	B	100	0.461	C	200	0.504	D	500	0.516	E	1000	0.531
‡	F	2000	0.555	G	3000	0.560	H	5000	0.563	I	7000	0.564	J	10000	0.553
2-Chloronaphthalene	A	50	0.457	B	100	0.497	C	200	0.565	D	500	0.564	E	1000	0.544
	F	2000	0.572	G	3000	0.572	H	5000	0.570	I	7000	0.559	J	10000	0.551
Acenaphthylene	A	50	1.61	B	100	1.83	C	200	1.89	D	500	1.96	E	1000	1.98
	F	2000	2.09	G	3000	2.07	H	5000	2.06						
Dimethyl Phthalate	A	50	1.44	B	100	1.58	C	200	1.48	D	500	1.54	E	1000	1.54
	F	2000	1.60	G	3000	1.61	H	5000	1.60	I	7000	1.58	J	10000	1.56
2,6-Dinitrotoluene	A	50	0.284	B	100	0.299	C	200	0.324	D	500	0.370	E	1000	0.368
	F	2000	0.394	G	3000	0.406	H	5000	0.403	I	7000	0.400	J	10000	0.391
‡ Acenaphthene	A	50	1.09	B	100	1.09	C	200	1.03	D	500	1.10	E	1000	1.09
‡	F	2000	1.15	G	3000	1.16	H	5000	1.14	I	7000	1.12	J	10000	1.08
† 2,4-Dinitrophenol										D	500	0.0828	E	1000	0.130
†	F	2000	0.194	G	3000	0.222	H	5000	0.251	I	7000	0.259	J	10000	0.275
† 4-Nitrophenol													E	1000	0.284
†	F	2000	0.305	G	3000	0.336	H	5000	0.339	I	7000	0.347	J	10000	0.352
2,4-Dinitrotoluene				B	100	0.404	C	200	0.444	D	500	0.500	E	1000	0.514
	F	2000	0.570	G	3000	0.559	H	5000	0.568	I	7000	0.560	J	10000	0.559
Fluorene	A	50	1.32	B	100	1.28	C	200	1.37	D	500	1.39	E	1000	1.43
	F	2000	1.50	G	3000	1.49	H	5000	1.50	I	7000	1.46	J	10000	1.45
4-Chlorophenyl Phenyl Ether	A	50	0.772	B	100	0.808	C	200	0.836	D	500	0.874	E	1000	0.879
	F	2000	0.910	G	3000	0.900	H	5000	0.912	I	7000	0.885	J	10000	0.886
Diethyl Phthalate	A	50	1.72	B	100	1.72	C	200	1.60	D	500	1.58	E	1000	1.59
	F	2000	1.66	G	3000	1.66	H	5000	1.69	I	7000	1.63	J	10000	1.62
2-Methyl-4,6-dinitrophenol													E	1000	0.273
	F	2000	0.345	G	3000	0.360	H	5000	0.391	I	7000	0.387	J	10000	0.396
‡ N-Nitrosodiphenylamine	A	50	0.919	B	100	0.842	C	200	0.940	D	500	1.05	E	1000	1.03
‡	F	2000	1.09	G	3000	1.10	H	5000	1.11	I	7000	1.08	J	10000	1.08
Azobenzene	A	50	1.45	B	100	1.51	C	200	1.48	D	500	1.56	E	1000	1.59
	F	2000	1.65	G	3000	1.66	H	5000	1.67	I	7000	1.62	J	10000	1.58

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
4-Bromophenyl Phenyl Ether	A	50	0.265	B	100	0.262	C	200	0.288	D	500	0.285	E	1000	0.291
	F	2000	0.312	G	3000	0.309	H	5000	0.310	I	7000	0.298	J	10000	0.298
Hexachlorobenzene	A	50	0.274	B	100	0.303	C	200	0.327	D	500	0.315	E	1000	0.314
	F	2000	0.340	G	3000	0.335	H	5000	0.335	I	7000	0.327	J	10000	0.321
‡ Pentachlorophenol										D	500	0.131	E	1000	0.166
‡	F	2000	0.199	G	3000	0.211	H	5000	0.219	I	7000	0.218	J	10000	0.220
Phenanthrene	A	50	0.934	B	100	0.949	C	200	0.998	D	500	0.995	E	1000	0.997
	F	2000	1.07	G	3000	1.04	H	5000	1.04	I	7000	1.00	J	10000	0.993
Anthracene	A	50	0.972	B	100	0.974	C	200	0.984	D	500	1.00	E	1000	1.04
	F	2000	1.12	G	3000	1.11	H	5000	1.10	I	7000	1.06	J	10000	1.05
Di-n-butyl Phthalate	A	50	1.27	B	100	1.20	C	200	1.16	D	500	1.25	E	1000	1.26
	F	2000	1.36	G	3000	1.34	H	5000	1.34	I	7000	1.28	J	10000	1.26
‡ Fluoranthene	A	50	1.07	B	100	1.12	C	200	1.18	D	500	1.22	E	1000	1.26
‡	F	2000	1.35	G	3000	1.34	H	5000	1.35	I	7000	1.30	J	10000	1.29
Pyrene	A	50	0.976	B	100	0.997	C	200	1.04	D	500	1.08	E	1000	1.11
	F	2000	1.19	G	3000	1.12	H	5000	1.10	I	7000	1.08	J	10000	1.08
Butyl Benzyl Phthalate	A	50	0.479	B	100	0.419	C	200	0.451	D	500	0.466	E	1000	0.477
	F	2000	0.518	G	3000	0.492	H	5000	0.476	I	7000	0.470	J	10000	0.460
3,3'-Dichlorobenzidine	A	50	0.341	B	100	0.346	C	200	0.374	D	500	0.414	E	1000	0.438
	F	2000	0.484	G	3000	0.474	H	5000	0.471	I	7000	0.467	J	10000	0.460
Benz(a)anthracene	A	50	0.978	B	100	0.931	C	200	0.984	D	500	1.01	E	1000	1.02
	F	2000	1.12	G	3000	1.09	H	5000	1.08	I	7000	1.07	J	10000	1.06
Chrysene	A	50	0.992	B	100	0.957	C	200	1.04	D	500	0.989	E	1000	1.06
	F	2000	1.12	G	3000	1.07	H	5000	1.04	I	7000	1.04	J	10000	1.02
Bis(2-ethylhexyl) Phthalate	A	50	0.627	B	100	0.555	C	200	0.584	D	500	0.605	E	1000	0.631
	F	2000	0.676	G	3000	0.658	H	5000	0.643	I	7000	0.640	J	10000	0.624
‡ Di-n-octyl Phthalate	A	50	0.910	B	100	0.908	C	200	0.952	D	500	1.07	E	1000	1.15
‡	F	2000	1.26	G	3000	1.25	H	5000	1.27	I	7000	1.26	J	10000	1.27
Benzo(b)fluoranthene	A	50	0.931	B	100	0.885	C	200	0.951	D	500	0.998	E	1000	1.08
	F	2000	1.15	G	3000	1.15	H	5000	1.17	I	7000	1.17	J	10000	1.25
Benzo(k)fluoranthene	A	50	0.953	B	100	1.06	C	200	1.04	D	500	1.15	E	1000	1.19
	F	2000	1.24	G	3000	1.23	H	5000	1.22	I	7000	1.21	J	10000	1.10
‡ Benzo(a)pyrene	A	50	0.786	B	100	0.735	C	200	0.796	D	500	0.842	E	1000	0.893
‡	F	2000	0.981	G	3000	0.987	H	5000	0.993	I	7000	0.992	J	10000	0.982
Indeno(1,2,3-cd)pyrene	A	50	0.663	B	100	0.707	C	200	0.697	D	500	0.748	E	1000	0.814
	F	2000	0.870	G	3000	0.872	H	5000	0.898	I	7000	0.908	J	10000	0.922

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dibenz(a,h)anthracene	A	50	0.668	B	100	0.714	C	200	0.748	D	500	0.818	E	1000	0.846
	F	2000	0.921	G	3000	0.929	H	5000	0.933	I	7000	0.966	J	10000	0.963
Benzo(g,h,i)perylene	A	50	0.743	B	100	0.831	C	200	0.793	D	500	0.856	E	1000	0.908
	F	2000	0.963	G	3000	0.960	H	5000	0.958	I	7000	0.965	J	10000	0.944
2-Fluorophenol	A	50	0.748	B	100	0.803	C	200	0.896	D	500	0.950	E	1000	1.01
	F	2000	1.09	G	3000	1.11	H	5000	1.12	I	7000	1.08	J	10000	1.08
Phenol-d6	A	50	0.975	B	100	1.08	C	200	1.05	D	500	1.14	E	1000	1.18
	F	2000	1.29	G	3000	1.31	H	5000	1.26	I	7000	1.17	J	10000	1.15
Nitrobenzene-d5	A	50	1.10	B	100	1.24	C	200	1.21	D	500	1.26	E	1000	1.35
	F	2000	1.43	G	3000	1.42	H	5000	1.41	I	7000	1.36	J	10000	1.38
2-Fluorobiphenyl	A	50	1.43	B	100	1.60	C	200	1.61	D	500	1.67	E	1000	1.65
	F	2000	1.74	G	3000	1.70	H	5000	1.69	I	7000	1.69	J	10000	1.66
2,4,6-Tribromophenol				B	100	0.136	C	200	0.158	D	500	0.163	E	1000	0.174
	F	2000	0.189	G	3000	0.188	H	5000	0.189	I	7000	0.187	J	10000	0.186
Terphenyl-d14	A	50	0.684	B	100	0.754	C	200	0.763	D	500	0.773	E	1000	0.802
	F	2000	0.870	G	3000	0.823	H	5000	0.820	I	7000	0.795	J	10000	0.805
‡ 1,4-Dichlorobenzene	A	50	1.48	B	100	1.34	C	200	1.48	D	500	1.48	E	1000	1.50
‡	F	2000	1.59	G	3000	1.51	H	5000	1.54	I	7000	1.46	J	10000	1.48

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
N-Nitrosodimethylamine	TRG	AverageRF	% RSD	8.7		≤ 15	1.54		0.01
Bis(2-chloroethyl) Ether	TRG	AverageRF	% RSD	8.1		≤ 15	0.932		0.01
‡ Phenol	MS	AverageRF	% RSD	7.6		≤ 15	1.28		0.01
2-Chlorophenol	MS	AverageRF	% RSD	9.5		≤ 15	1.16		0.01
Bis(2-chloroisopropyl) Ether	TRG	AverageRF	% RSD	4.6		≤ 15	1.97		0.01
Hexachloroethane	TRG	AverageRF	% RSD	12.6		≤ 15	0.586		0.01
† N-Nitrosodi-n-propylamine	MS	AverageRF	% RSD	5.5		≤ 15	0.842		0.05
Nitrobenzene	TRG	AverageRF	% RSD	4.2		≤ 15	1.31		0.01
Isophorone	TRG	AverageRF	% RSD	5.6		≤ 15	0.698		0.01
‡ 2-Nitrophenol	TRG	AverageRF	% RSD	9.4		≤ 15	0.212		0.01
2,4-Dimethylphenol	TRG	AverageRF	% RSD	4.6		≤ 15	0.296		0.01
Bis(2-chloroethoxy)methane	TRG	AverageRF	% RSD	7.1		≤ 15	0.336		0.01
‡ 2,4-Dichlorophenol	TRG	AverageRF	% RSD	9.7		≤ 15	0.316		0.01
Naphthalene	TRG	AverageRF	% RSD	3.6		≤ 15	0.996		0.01
‡ Hexachlorobutadiene	TRG	AverageRF	% RSD	6.0		≤ 15	0.334		0.01
‡ 4-Chloro-3-methylphenol	MS	AverageRF	% RSD	10.4		≤ 15	0.321		0.01
† Hexachlorocyclopentadiene	TRG	Quadratic(0,0)	COD	0.999		≥ 0.990	0.660		0.05
‡ 2,4,6-Trichlorophenol	TRG	AverageRF	% RSD	9.3		≤ 15	0.523		0.01
2-Chloronaphthalene	TRG	AverageRF	% RSD	7.0		≤ 15	0.545		0.01
Acenaphthylene	TRG	AverageRF	% RSD	8.3		≤ 15	1.94		0.01
Dimethyl Phthalate	TRG	AverageRF	% RSD	3.5		≤ 15	1.55		0.01
2,6-Dinitrotoluene	TRG	AverageRF	% RSD	12.5		≤ 15	0.364		0.01
‡ Acenaphthene	MS	AverageRF	% RSD	3.4		≤ 15	1.11		0.01
† 2,4-Dinitrophenol	TRG	Quadratic(0,0)	COD	0.997		≥ 0.990	0.202		0.05
† 4-Nitrophenol	MS	AverageRF	% RSD	8.2		≤ 15	0.327		0.05
2,4-Dinitrotoluene	MS	AverageRF	% RSD	11.6		≤ 15	0.520		0.01
Fluorene	TRG	AverageRF	% RSD	5.5		≤ 15	1.42		0.01
4-Chlorophenyl Phenyl Ether	TRG	AverageRF	% RSD	5.4		≤ 15	0.866		0.01
Diethyl Phthalate	TRG	AverageRF	% RSD	3.0		≤ 15	1.65		0.01
2-Methyl-4,6-dinitrophenol	TRG	AverageRF	% RSD	12.9		≤ 15	0.358		0.01
‡ N-Nitrosodiphenylamine	TRG	AverageRF	% RSD	9.0		≤ 15	1.02		0.01
Azobenzene	TRG	AverageRF	% RSD	4.9		≤ 15	1.58		0.01
4-Bromophenyl Phenyl Ether	TRG	AverageRF	% RSD	6.0		≤ 15	0.292		0.01
Hexachlorobenzene	TRG	AverageRF	% RSD	6.1		≤ 15	0.319		0.01
‡ Pentachlorophenol	MS	Quadratic(0,0)	COD	0.999		≥ 0.990	0.195		0.01
Phenanthrene	TRG	AverageRF	% RSD	4.1		≤ 15	1.00		0.01
Anthracene	TRG	AverageRF	% RSD	5.4		≤ 15	1.04		0.01
Di-n-butyl Phthalate	TRG	AverageRF	% RSD	5.0		≤ 15	1.27		0.01
‡ Fluoranthene	TRG	AverageRF	% RSD	8.0		≤ 15	1.25		0.01
Pyrene	MS	AverageRF	% RSD	5.7		≤ 15	1.08		0.01
Butyl Benzyl Phthalate	TRG	AverageRF	% RSD	5.5		≤ 15	0.471		0.01
3,3'-Dichlorobenzidine	TRG	AverageRF	% RSD	12.9		≤ 15	0.427		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Benz(a)anthracene	TRG	AverageRF	% RSD	5.8		≤ 15	1.03		0.01
Chrysene	TRG	AverageRF	% RSD	4.4		≤ 15	1.03		0.01
Bis(2-ethylhexyl) Phthalate	TRG	AverageRF	% RSD	5.7		≤ 15	0.624		0.01
‡ Di-n-octyl Phthalate	TRG	AverageRF	% RSD	13.8		≤ 15	1.13		0.01
Benzo(b)fluoranthene	TRG	AverageRF	% RSD	11.5		≤ 15	1.07		0.01
Benzo(k)fluoranthene	TRG	AverageRF	% RSD	8.6		≤ 15	1.14		0.01
‡ Benzo(a)pyrene	TRG	AverageRF	% RSD	11.3		≤ 15	0.899		0.01
Indeno(1,2,3-cd)pyrene	TRG	AverageRF	% RSD	12.1		≤ 15	0.810		0.01
Dibenz(a,h)anthracene	TRG	AverageRF	% RSD	12.8		≤ 15	0.851		0.01
Benzo(g,h,i)perylene	TRG	AverageRF	% RSD	9.1		≤ 15	0.892		0.01
2-Fluorophenol	SURR	AverageRF	% RSD	13.6		≤ 15	0.989		0.01
Phenol-d6	SURR	AverageRF	% RSD	9.2		≤ 15	1.16		0.01
Nitrobenzene-d5	SURR	AverageRF	% RSD	8.4		≤ 15	1.32		0.01
2-Fluorobiphenyl	SURR	AverageRF	% RSD	5.2		≤ 15	1.64		0.01
2,4,6-Tribromophenol	SURR	AverageRF	% RSD	10.7		≤ 15	0.175		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	6.3		≤ 15	0.789		0.01
‡ 1,4-Dichlorobenzene	MS	AverageRF	% RSD	4.4		≤ 15	1.49		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010
Date Analyzed: 11/15/2010 - 11/16/2010

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration ID: CAL10053
Units: ng/ml

File ID: J:\MS06\DATA\111510\1115F019.D
J:\MS06\DATA\111510\1115F021.D
J:\MS06\DATA\111510\1115F022.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
N-Nitrosodimethylamine	3000	3000	1.54	1.54	0	NA	± 30 %	AverageRF
Bis(2-chloroethyl) Ether	3000	2900	0.932	0.899	-4	NA	± 30 %	AverageRF
‡ Phenol	3000	3200	1.28	1.34	5	NA	± 20 %	AverageRF
2-Chlorophenol	3000	3200	1.16	1.23	6	NA	± 30 %	AverageRF
Bis(2-chloroisopropyl) Ether	3000	2800	1.97	1.86	-6	NA	± 30 %	AverageRF
Hexachloroethane	3000	3100	0.586	0.601	3	NA	± 30 %	AverageRF
† N-Nitrosodi-n-propylamine	3000	2800	0.842	0.788	-6	NA	± 30 %	AverageRF
Nitrobenzene	3000	2900	1.31	1.28	-2	NA	± 30 %	AverageRF
Isophorone	3000	2900	0.698	0.664	-5	NA	± 30 %	AverageRF
‡ 2-Nitrophenol	3000	3200	0.212	0.228	7	NA	± 20 %	AverageRF
2,4-Dimethylphenol	3000	2800	0.296	0.278	-6	NA	± 30 %	AverageRF
Bis(2-chloroethoxy)methane	3000	3000	0.336	0.334	0	NA	± 30 %	AverageRF
‡ 2,4-Dichlorophenol	3000	3300	0.316	0.346	10	NA	± 20 %	AverageRF
Naphthalene	3000	2900	0.996	0.962	-3	NA	± 30 %	AverageRF
‡ Hexachlorobutadiene	3000	2900	0.334	0.321	-4	NA	± 20 %	AverageRF
‡ 4-Chloro-3-methylphenol	3000	3300	0.321	0.352	10	NA	± 20 %	AverageRF
† Hexachlorocyclopentadiene	5000	5000	0.660	0.719	NA	0	± 30 %	Quadratic(
‡ 2,4,6-Trichlorophenol	3000	3200	0.523	0.556	6	NA	± 20 %	AverageRF
2-Chloronaphthalene	3000	2900	0.545	0.529	-3	NA	± 30 %	AverageRF
Acenaphthylene	3000	2400	1.94	1.55	-20	NA	± 30 %	AverageRF
Dimethyl Phthalate	3000	3000	1.55	1.54	-1	NA	± 30 %	AverageRF
2,6-Dinitrotoluene	3000	3200	0.364	0.392	8	NA	± 30 %	AverageRF
‡ Acenaphthene	3000	3000	1.11	1.09	-2	NA	± 20 %	AverageRF
† 2,4-Dinitrophenol	3000	3100	0.202	0.230	NA	2	± 30 %	Quadratic(
† 4-Nitrophenol	3000	3200	0.327	0.347	6	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	3000	3000	0.520	0.516	-1	NA	± 30 %	AverageRF
Fluorene	3000	3000	1.42	1.43	1	NA	± 30 %	AverageRF
4-Chlorophenyl Phenyl Ether	3000	2900	0.866	0.844	-3	NA	± 30 %	AverageRF
Diethyl Phthalate	3000	2800	1.65	1.55	-6	NA	± 30 %	AverageRF
2-Methyl-4,6-dinitrophenol	3000	3200	0.358	0.380	6	NA	± 30 %	AverageRF
‡ N-Nitrosodiphenylamine	3000	2800	1.02	0.968	-5	NA	± 20 %	AverageRF
Azobenzene	3000	2900	1.58	1.55	-2	NA	± 30 %	AverageRF
4-Bromophenyl Phenyl Ether	3000	3000	0.292	0.293	0	NA	± 30 %	AverageRF
Hexachlorobenzene	3000	3000	0.319	0.315	-1	NA	± 30 %	AverageRF
‡ Pentachlorophenol	3000	3100	0.195	0.215	NA	2	± 20 %	Quadratic(
Phenanthrene	3000	3000	1.00	1.00	0	NA	± 30 %	AverageRF
Anthracene	3000	3000	1.04	1.04	-1	NA	± 30 %	AverageRF
Di-n-butyl Phthalate	3000	2900	1.27	1.23	-3	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010
Date Analyzed: 11/15/2010 - 11/16/2010

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration ID: CAL10053
Units: ng/ml

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
‡ Fluoranthene	3000	3000	1.25	1.25	0	NA	± 30 %	AverageRF
Pyrene	3000	3000	1.08	1.08	0	NA	± 30 %	AverageRF
Butyl Benzyl Phthalate	3000	2900	0.471	0.462	-2	NA	± 30 %	AverageRF
3,3'-Dichlorobenzidine	3000	3200	0.427	0.455	7	NA	± 30 %	AverageRF
Benz(a)anthracene	3000	2900	1.03	1.00	-3	NA	± 30 %	AverageRF
Chrysene	3000	3000	1.03	1.02	-1	NA	± 30 %	AverageRF
Bis(2-ethylhexyl) Phthalate	3000	3000	0.624	0.619	-1	NA	± 30 %	AverageRF
‡ Di-n-octyl Phthalate	3000	3200	1.13	1.19	6	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	3000	2900	1.07	1.03	-4	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	3000	3000	1.14	1.13	-1	NA	± 30 %	AverageRF
‡ Benzo(a)pyrene	3000	3500	0.899	1.04	16	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	3000	3100	0.810	0.838	3	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	3000	3100	0.851	0.885	4	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	3000	3000	0.892	0.892	0	NA	± 30 %	AverageRF
‡ 1,4-Dichlorobenzene	3000	2800	1.49	1.40	-6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/23/2010

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration Date: 11/15/2010
Calibration ID: CAL10053
Analysis Lot: KWG1012886
Units: ng/ml

File ID: J:\MS06\DATA\112310\1123F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzidine	3000	2500	0.01	0.549	0.452	-18	NA	± 30 %	AverageRF
N-Nitrosodimethylamine	3000	3200	0.01	1.54	1.66	8	NA	± 30 %	AverageRF
Bis(2-chloroethyl) Ether	3000	3100	0.01	0.932	0.967	4	NA	± 30 %	AverageRF
‡ Phenol	3000	3200	0.01	1.28	1.35	6	NA	± 20 %	AverageRF
2-Chlorophenol	3000	3200	0.01	1.16	1.26	8	NA	± 30 %	AverageRF
Bis(2-chloroisopropyl) Ether	3000	3100	0.01	1.97	2.06	4	NA	± 30 %	AverageRF
Hexachloroethane	3000	3300	0.01	0.586	0.637	9	NA	± 30 %	AverageRF
† N-Nitrosodi-n-propylamine	3000	3200	0.05	0.842	0.898	7	NA	± 30 %	AverageRF
Nitrobenzene	3000	3100	0.01	1.31	1.36	4	NA	± 30 %	AverageRF
Isophorone	3000	3000	0.01	0.698	0.690	-1	NA	± 30 %	AverageRF
‡ 2-Nitrophenol	3000	3200	0.01	0.212	0.223	5	NA	± 20 %	AverageRF
2,4-Dimethylphenol	3000	3000	0.01	0.296	0.293	-1	NA	± 30 %	AverageRF
Bis(2-chloroethoxy)methane	3000	3100	0.01	0.336	0.345	3	NA	± 30 %	AverageRF
‡ 2,4-Dichlorophenol	3000	3100	0.01	0.316	0.331	5	NA	± 20 %	AverageRF
Naphthalene	3000	2900	0.01	0.996	0.975	-2	NA	± 30 %	AverageRF
‡ Hexachlorobutadiene	3000	2900	0.01	0.334	0.326	-2	NA	± 20 %	AverageRF
‡ 4-Chloro-3-methylphenol	3000	3100	0.01	0.321	0.334	4	NA	± 20 %	AverageRF
† Hexachlorocyclopentadiene	3000	2500	0.05	0.660	0.583	NA	-18	± 30 %	Quadratic(0,
‡ 2,4,6-Trichlorophenol	3000	3000	0.01	0.523	0.521	0	NA	± 20 %	AverageRF
2-Chloronaphthalene	3000	2900	0.01	0.545	0.535	-2	NA	± 30 %	AverageRF
Acenaphthylene	3000	3100	0.01	1.94	1.98	2	NA	± 30 %	AverageRF
Dimethyl Phthalate	3000	2900	0.01	1.55	1.51	-3	NA	± 30 %	AverageRF
2,6-Dinitrotoluene	3000	3100	0.01	0.364	0.378	4	NA	± 30 %	AverageRF
‡ Acenaphthene	3000	3000	0.01	1.11	1.10	-1	NA	± 30 %	AverageRF
† 2,4-Dinitrophenol	3000	2400	0.05	0.202	0.179	NA	-19	± 30 %	Quadratic(0,
† 4-Nitrophenol	3000	2700	0.05	0.327	0.290	-11	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	3000	3100	0.01	0.520	0.533	2	NA	± 30 %	AverageRF
Fluorene	3000	3000	0.01	1.42	1.41	0	NA	± 30 %	AverageRF
4-Chlorophenyl Phenyl Ether	3000	3000	0.01	0.866	0.858	-1	NA	± 30 %	AverageRF
Diethyl Phthalate	3000	2900	0.01	1.65	1.57	-5	NA	± 30 %	AverageRF
2-Methyl-4,6-dinitrophenol	3000	2800	0.01	0.358	0.329	-8	NA	± 30 %	AverageRF
‡ N-Nitrosodiphenylamine	3000	3000	0.01	1.02	1.03	1	NA	± 20 %	AverageRF
Azobenzene	3000	3000	0.01	1.58	1.57	0	NA	± 30 %	AverageRF
4-Bromophenyl Phenyl Ether	3000	3000	0.01	0.292	0.290	-1	NA	± 30 %	AverageRF
Hexachlorobenzene	3000	3000	0.01	0.319	0.316	-1	NA	± 30 %	AverageRF
‡ Pentachlorophenol	3000	2500	0.01	0.195	0.172	NA	-18	± 20 %	Quadratic(0,
Phenanthrene	3000	3000	0.01	1.00	1.01	0	NA	± 30 %	AverageRF
Anthracene	3000	3000	0.01	1.04	1.04	0	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/23/2010

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration Date: 11/15/2010
Calibration ID: CAL10053
Analysis Lot: KWG1012886
Units: ng/ml

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Di-n-butyl Phthalate	3000	3000	0.01	1.27	1.26	-1	NA	± 30 %	AverageRF
‡ Fluoranthene	3000	3000	0.01	1.25	1.26	1	NA	± 20 %	AverageRF
Pyrene	3000	3000	0.01	1.08	1.07	0	NA	± 30 %	AverageRF
Butyl Benzyl Phthalate	3000	3000	0.01	0.471	0.474	1	NA	± 30 %	AverageRF
3,3'-Dichlorobenzidine	3000	3100	0.01	0.427	0.442	4	NA	± 30 %	AverageRF
Benz(a)anthracene	3000	3100	0.01	1.03	1.05	2	NA	± 30 %	AverageRF
Chrysene	3000	3000	0.01	1.03	1.03	0	NA	± 30 %	AverageRF
Bis(2-ethylhexyl) Phthalate	3000	3100	0.01	0.624	0.638	2	NA	± 30 %	AverageRF
‡ Di-n-octyl Phthalate	3000	3200	0.01	1.13	1.21	7	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	3000	3100	0.01	1.07	1.11	3	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	3000	3100	0.01	1.14	1.17	3	NA	± 30 %	AverageRF
‡ Benzo(a)pyrene	3000	3100	0.01	0.899	0.938	4	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	3000	3200	0.01	0.810	0.857	6	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	3000	3100	0.01	0.851	0.879	3	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	3000	3100	0.01	0.892	0.923	3	NA	± 30 %	AverageRF
2-Fluorophenol	3000	3100	0.01	0.989	1.02	4	NA	± 30 %	AverageRF
Phenol-d6	3000	3200	0.01	1.16	1.24	7	NA	± 30 %	AverageRF
Nitrobenzene-d5	3000	3200	0.01	1.32	1.39	6	NA	± 30 %	AverageRF
2-Fluorobiphenyl	3000	2900	0.01	1.64	1.61	-2	NA	± 30 %	AverageRF
2,4,6-Tribromophenol	3000	3000	0.01	0.175	0.176	1	NA	± 30 %	AverageRF
Terphenyl-d14	3000	3000	0.01	0.789	0.800	1	NA	± 30 %	AverageRF
‡ 1,4-Dichlorobenzene	3000	3000	0.01	1.49	1.48	0	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Analysis Run Log
Semi-Volatile Organic Compounds by GC/MS

Analysis Method: 8270C

Analysis Lot: KWG1012886
Instrument ID: MS06

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1123F001.D	GC/MS Tuning - Generic	KWG1012886-1	11/23/2010	12:53		11/23/2010	13:21
1123F002.D	Continuing Calibration Verification	KWG1012886-2	11/23/2010	13:31		11/23/2010	13:59
1123F003.D	Method Blank	KWG1012700-5	11/23/2010	14:23		11/23/2010	14:51
1123F004.D	Lab Control Sample	KWG1012700-3	11/23/2010	15:01		11/23/2010	15:29
1123F005.D	Duplicate Lab Control Sample	KWG1012700-4	11/23/2010	15:39		11/23/2010	16:07
1123F006.D	SL0001	K1012914-001	11/23/2010	16:17		11/23/2010	16:45
1123F007.D	SL0009	K1012914-009	11/23/2010	16:55		11/23/2010	17:23
1123F008.D	SL0010	K1012914-010	11/23/2010	17:32		11/23/2010	18:01
1123F009.D	SL0010MS	KWG1012700-1	11/23/2010	18:10		11/23/2010	18:39
1123F010.D	SL0010DMS	KWG1012700-2	11/23/2010	18:48		11/23/2010	19:16
1123F011.D	SL0002	K1012914-002	11/23/2010	19:25		11/23/2010	19:53
1123F012.D	SL0017	K1012914-016	11/23/2010	20:03		11/23/2010	20:31
1123F013.D	SL0018	K1012914-017	11/23/2010	20:40		11/23/2010	21:08
1123F014.D	SL0019	K1012914-018	11/23/2010	21:18		11/23/2010	21:46
1123F015.D	SL0020	K1012914-019	11/23/2010	21:55		11/23/2010	22:24
1123F016.D	ZZZZZZ	ZZZZZZ	11/23/2010	22:33		11/23/2010	23:01
1123F017.D	ZZZZZZ	ZZZZZZ	11/23/2010	23:10		11/23/2010	23:38
1123F018.D	ZZZZZZ	ZZZZZZ	11/23/2010	23:48		11/24/2010	00:16
1123F019.D	ZZZZZZ	ZZZZZZ	11/24/2010	00:25		11/24/2010	00:54

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Extracted: 11/19/2010

Extraction Prep Log
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Extraction Lot: KWG1012700
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SL0001	K1012914-001	11/15/10	11/17/10	40.377g	2ml	83.8	
SL0002	K1012914-002	11/15/10	11/17/10	40.278g	2ml	88.2	
SL0009	K1012914-009	11/15/10	11/17/10	40.281g	2ml	85.4	
SL0010	K1012914-010	11/15/10	11/17/10	40.282g	2ml	88.7	
SL0017	K1012914-016	11/15/10	11/17/10	40.684g	2ml	82.6	
SL0018	K1012914-017	11/15/10	11/17/10	40.316g	2ml	82.0	
SL0019	K1012914-018	11/15/10	11/17/10	40.447g	2ml	84.5	
SL0020	K1012914-019	11/15/10	11/17/10	40.196g	2ml	85.1	
Method Blank	KWG1012700-5	NA	NA	40.684g	2ml	NA	
SL0010MS	KWG1012700-1	11/15/10	11/17/10	40.222g	2ml	88.7	
SL0010DMS	KWG1012700-2	11/15/10	11/17/10	40.217g	2ml	88.7	
Lab Control Sample	KWG1012700-3	NA	NA	20.000g	2ml	NA	
Duplicate Lab Control Sample	KWG1012700-4	NA	NA	20.000g	2ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

QC Reports

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Surrogate Recovery Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4	Sur5	Sur6
SL0001	K1012914-001	51	70	86	83	64	106
SL0002	K1012914-002	64 D	70 D	82 D	77 D	65 D	99 D
SL0009	K1012914-009	36	54	73	70	51	101
SL0010	K1012914-010	27	46	65	68	43	95
SL0017	K1012914-016	36 D	51 D	79 D	72 D	45 D	96 D
SL0018	K1012914-017	51 D	59 D	70 D	73 D	60 D	91 D
SL0019	K1012914-018	40 D	53 D	72 D	73 D	55 D	102 D
SL0020	K1012914-019	56 D	61 D	66 D	69 D	70 D	97 D
Method Blank	KWG1012700-5	59	77	71	71	76	103
SL0010MS	KWG1012700-1	54	63	70	72	63	87
SL0010DMS	KWG1012700-2	52	62	74	64	66	93
Lab Control Sample	KWG1012700-3	50	60	62	56	69	86
Duplicate Lab Control Sample	KWG1012700-4	48	59	61	58	65	90

Surrogate Recovery Control Limits (%)

Sur1 = 2-Fluorophenol	11-80	Sur5 = 2,4,6-Tribromophenol	10-119
Sur2 = Phenol-d6	20-86	Sur6 = Terphenyl-d14	33-129
Sur3 = Nitrobenzene-d5	27-91		
Sur4 = 2-Fluorobiphenyl	25-97		

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/23/2010
		Time Analyzed:	13:31

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID:	J:\MS06\DATA\112310\1123F002.D	**Lab Code:**	KWG1012886-2
Instrument ID:	MS06	**Analysis Lot:**	KWG1012886
Analysis Method:	8270C		

		1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
		Area	RT	Area	RT	Area	RT
	Results ==>	80,553	8.19	255,440	10.07	135,347	12.87
	Upper Limit ==>	161,106	8.69	510,880	10.57	270,694	13.37
	Lower Limit ==>	40,277	7.69	127,720	9.57	67,674	12.37
	ICAL Result ==>	71,417	8.28	219,693	10.15	114,890	12.95
Associated Analyses							
Method Blank	KWG1012700-5	80,110	8.19	255,624	10.07	128,629	12.87
Lab Control Sample	KWG1012700-3	84,460	8.20	264,239	10.07	138,370	12.87
Duplicate Lab Control Sample	KWG1012700-4	89,206	8.20	275,304	10.07	139,987	12.88
SL0001	K1012914-001	79,728	8.20	249,444	10.07	124,799	12.87
SL0009	K1012914-009	87,841	8.21	271,983	10.08	139,681	12.89
SL0010	K1012914-010	84,560	8.20	263,444	10.08	131,331	12.89
SL0010MS	KWG1012700-1	87,679	8.21	271,209	10.09	135,885	12.90
SL0010DMS	KWG1012700-2	84,176	8.23	268,583	10.10	141,203	12.91
SL0002	K1012914-002	79,506	8.22	245,731	10.10	128,669	12.90
SL0017	K1012914-016	74,618	8.22	222,289	10.10	118,822	12.90
SL0018	K1012914-017	69,652	8.22	204,881	10.10	110,215	12.90
SL0019	K1012914-018	60,174	8.23	180,165	10.10	100,032	12.90
SL0020	K1012914-019	55,023	8.23	162,288	10.10	92,444	12.90

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/23/2010
Time Analyzed: 13:31

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS06\DATA\112310\1123F002.D
Instrument ID: MS06
Analysis Method: 8270C

Lab Code: KWG1012886-2
Analysis Lot: KWG1012886

		Phenanthrene-d10		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT	Area	RT
	Results ==>	261,614	15.28	304,465	19.62	263,419	23.00
	Upper Limit ==>	523,228	15.78	608,930	20.12	526,838	23.50
	Lower Limit ==>	130,807	14.78	152,233	19.12	131,710	22.50
	ICAL Result ==>	223,682	15.36	270,570	19.72	233,962	23.14
Associated Analyses							
Method Blank	KWG1012700-5	244,044	15.28	275,069	19.61	245,532	23.00
Lab Control Sample	KWG1012700-3	264,138	15.28	303,589	19.62	264,212	23.00
Duplicate Lab Control Sample	KWG1012700-4	273,905	15.28	308,701	19.62	275,462	23.00
SL0001	K1012914-001	239,124	15.27	282,864	19.62	251,222	23.02
SL0009	K1012914-009	259,904	15.29	297,401	19.64	268,696	23.07
SL0010	K1012914-010	259,367	15.29	289,377	19.66	263,863	23.10
SL0010MS	KWG1012700-1	262,541	15.31	298,980	19.68	268,053	23.16
SL0010DMS	KWG1012700-2	262,202	15.32	297,622	19.71	275,462	23.20
SL0002	K1012914-002	251,095	15.31	281,495	19.68	255,806	23.17
SL0017	K1012914-016	244,185	15.31	264,832	19.69	244,145	23.19
SL0018	K1012914-017	233,946	15.32	256,859	19.69	239,923	23.19
SL0019	K1012914-018	205,298	15.32	239,565	19.70	228,076	23.21
SL0020	K1012914-019	188,621	15.32	228,088	19.69	214,695	23.19

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Extracted: 11/19/2010
Date Analyzed: 11/23/2010

Matrix Spike/Duplicate Matrix Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0010
Lab Code: K1012914-010

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low
Extraction Lot: KWG1012700

Analyte Name	Sample Result	SL0010MS KWG1012700-1 Matrix Spike			SL0010DMS KWG1012700-2 Duplicate Matrix Spike			%Rec Limits	RPD	RPD Limit
		Result	Expected	%Rec	Result	Expected	%Rec			
Phenol	ND	86.6	140	62	86.0	140	61	15-98	1	40
2-Chlorophenol	ND	89.7	140	64	91.9	140	66	19-92	2	40
N-Nitrosodi-n-propylamine	ND	103	140	74	103	140	73	14-104	1	40
4-Chloro-3-methylphenol	ND	78.4	140	56	72.4	140	52	12-106	8	40
Acenaphthene	3.4	115	140	79	103	140	71	21-104	11	40
4-Nitrophenol	ND	75.1	140	54	65.5	140	47	11-131	14	40
2,4-Dinitrotoluene	ND	111	140	79	96.0	140	68	25-114	14	40
Pentachlorophenol	ND	40.9	140	29	54.5	140	39	10-123	28	40
Pyrene	100	257	140	111	226	140	89	17-129	13	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/19/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/23/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method:	EPA 3541	**Units:**	ug/Kg
Analysis Method:	8270C	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG1012700

	Lab Control Sample KWG1012700-3 Lab Control Spike			Duplicate Lab Control Sample KWG1012700-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
N-Nitrosodimethylamine	165	250	66	169	250	68	18-91	2	40
Bis(2-chloroethyl) Ether	156	250	62	166	250	66	29-86	6	40
Phenol	161	250	64	160	250	64	28-91	1	40
2-Chlorophenol	151	250	60	155	250	62	31-83	2	40
Bis(2-chloroisopropyl) Ether	159	250	64	161	250	64	23-88	1	40
Hexachloroethane	154	250	62	150	250	60	25-84	2	40
N-Nitrosodi-n-propylamine	166	250	67	170	250	68	24-89	2	40
Nitrobenzene	152	250	61	155	250	62	29-87	2	40
Isophorone	161	250	64	166	250	66	33-83	3	40
2-Nitrophenol	157	250	63	165	250	66	33-89	5	40
2,4-Dimethylphenol	71.6	250	29	73.9	250	30	10-63	3	40
Bis(2-chloroethoxy)methane	158	250	63	169	250	68	33-85	6	40
2,4-Dichlorophenol	154	250	62	152	250	61	33-83	2	40
Naphthalene	150	250	60	157	250	63	32-84	4	40
Hexachlorobutadiene	137	250	55	140	250	56	28-87	3	40
4-Chloro-3-methylphenol	158	250	63	159	250	63	28-87	1	40
Hexachlorocyclopentadiene	88.4	250	35	91.2	250	36	10-66	3	40
2,4,6-Trichlorophenol	149	250	60	151	250	61	31-86	2	40
2-Chloronaphthalene	150	250	60	161	250	64	31-86	7	40
Acenaphthylene	161	250	65	167	250	67	33-87	4	40
Dimethyl Phthalate	179	250	72	180	250	72	38-91	1	40
2,6-Dinitrotoluene	180	250	72	180	250	72	36-94	0	40
Acenaphthene	158	250	63	163	250	65	35-83	3	40
2,4-Dinitrophenol	72.3	250	29	45.1	250	18	10-100	46 *	40
4-Nitrophenol	153	250	61	164	250	66	32-110	7	40
2,4-Dinitrotoluene	186	250	74	195	250	78	40-98	5	40
Fluorene	162	250	65	164	250	66	36-87	1	40
4-Chlorophenyl Phenyl Ether	160	250	64	158	250	63	34-87	1	40
Diethyl Phthalate	179	250	71	188	250	75	39-98	5	40
2-Methyl-4,6-dinitrophenol	148	250	59	145	250	58	27-102	2	40
N-Nitrosodiphenylamine	168	250	67	171	250	68	29-92	2	40
Azobenzene	174	250	70	172	250	69	32-89	1	40
4-Bromophenyl Phenyl Ether	174	250	70	166	250	66	38-90	5	40
Hexachlorobenzene	178	250	71	172	250	69	39-90	3	40
Pentachlorophenol	134	250	53	134	250	54	21-97	0	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Extracted: 11/19/2010
Date Analyzed: 11/23/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG1012700

	Lab Control Sample KWG1012700-3 Lab Control Spike			Duplicate Lab Control Sample KWG1012700-4 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Phenanthrene	184	250	74	183	250	73	41-90	0	40
Anthracene	184	250	74	186	250	74	35-93	1	40
Di-n-butyl Phthalate	198	250	79	215	250	86	40-116	8	40
Fluoranthene	196	250	78	210	250	84	42-103	7	40
Pyrene	199	250	80	215	250	86	42-105	8	40
Butyl Benzyl Phthalate	202	250	81	224	250	90	41-114	11	40
3,3'-Dichlorobenzidine	132	250	53	149	250	60	13-98	12	40
Benz(a)anthracene	197	250	79	220	250	88	43-104	11	40
Chrysene	196	250	78	215	250	86	47-104	9	40
Bis(2-ethylhexyl) Phthalate	212	250	85	235	250	94	40-122	10	40
Di-n-octyl Phthalate	215	250	86	232	250	93	43-119	8	40
Benzo(b)fluoranthene	198	250	79	212	250	85	45-106	7	40
Benzo(k)fluoranthene	199	250	80	214	250	86	47-105	7	40
Benzo(a)pyrene	198	250	79	215	250	86	35-109	9	40
Indeno(1,2,3-cd)pyrene	201	250	80	218	250	87	43-111	8	40
Dibenz(a,h)anthracene	199	250	80	217	250	87	44-110	8	40
Benzo(g,h,i)perylene	198	250	79	213	250	85	38-108	7	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/19/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/23/2010
		Time Analyzed:	14:23

Method Blank Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**File ID:**	J:\MS06\DATA\112310\1123F003.D
Lab Code:	KWG1012700-5	**Instrument ID:**	MS06
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	KWG1012700

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012700-3	J:\MS06\DATA\112310\1123F004.D	11/23/10	15:01
Duplicate Lab Control Sample	KWG1012700-4	J:\MS06\DATA\112310\1123F005.D	11/23/10	15:39
SL0001	K1012914-001	J:\MS06\DATA\112310\1123F006.D	11/23/10	16:17
SL0009	K1012914-009	J:\MS06\DATA\112310\1123F007.D	11/23/10	16:55
SL0010	K1012914-010	J:\MS06\DATA\112310\1123F008.D	11/23/10	17:32
SL0010MS	KWG1012700-1	J:\MS06\DATA\112310\1123F009.D	11/23/10	18:10
SL0010DMS	KWG1012700-2	J:\MS06\DATA\112310\1123F010.D	11/23/10	18:48
SL0002	K1012914-002	J:\MS06\DATA\112310\1123F011.D	11/23/10	19:25
SL0017	K1012914-016	J:\MS06\DATA\112310\1123F012.D	11/23/10	20:03
SL0018	K1012914-017	J:\MS06\DATA\112310\1123F013.D	11/23/10	20:40
SL0019	K1012914-018	J:\MS06\DATA\112310\1123F014.D	11/23/10	21:18
SL0020	K1012914-019	J:\MS06\DATA\112310\1123F015.D	11/23/10	21:55

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/19/2010
Sample Matrix:	Sediment	**Date Analyzed:**	11/23/2010
		Time Analyzed:	15:01

Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**File ID:**	J:\MS06\DATA\112310\1123F004.D
Lab Code:	KWG1012700-3	**Instrument ID:**	MS06
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	KWG1012700

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012700-5	J:\MS06\DATA\112310\1123F003.D	11/23/10	14:23
SL0001	K1012914-001	J:\MS06\DATA\112310\1123F006.D	11/23/10	16:17
SL0009	K1012914-009	J:\MS06\DATA\112310\1123F007.D	11/23/10	16:55
SL0010	K1012914-010	J:\MS06\DATA\112310\1123F008.D	11/23/10	17:32
SL0010MS	KWG1012700-1	J:\MS06\DATA\112310\1123F009.D	11/23/10	18:10
SL0010DMS	KWG1012700-2	J:\MS06\DATA\112310\1123F010.D	11/23/10	18:48
SL0002	K1012914-002	J:\MS06\DATA\112310\1123F011.D	11/23/10	19:25
SL0017	K1012914-016	J:\MS06\DATA\112310\1123F012.D	11/23/10	20:03
SL0018	K1012914-017	J:\MS06\DATA\112310\1123F013.D	11/23/10	20:40
SL0019	K1012914-018	J:\MS06\DATA\112310\1123F014.D	11/23/10	21:18
SL0020	K1012914-019	J:\MS06\DATA\112310\1123F015.D	11/23/10	21:55

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

Raw Data

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	30	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	6.0	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	18	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	6.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	6.0	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	6.0	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	6.0	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	6.0	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	6.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	30	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	6.0	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	6.0	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	6.0	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	30	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**2.1**	J	6.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**38**		6.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	6.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**2.8**	J	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	60	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**2.3**	J	6.0	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	**3.4**	J	6.0	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	60	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	6.0	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	6.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	60	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**26**		6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**6.4**		6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**51**		6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**41**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	6.0	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	60	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**26**		6.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**28**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	60	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	6.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**38**		6.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**14**		6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**30**		6.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**21**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**5.1**	J	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**24**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	51	11-80	11/23/10	Acceptable
Phenol-d6	70	20-86	11/23/10	Acceptable
Nitrobenzene-d5	86	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	83	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	64	10-119	11/23/10	Acceptable
Terphenyl-d14	106	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F006.D
Lab ID: K1012914-001
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/23/2010 16:17
Date Quantitated: 11/24/2010 08:31
Batch ID: KWG1012886
Analysis Method: 8270C
ListJoinID: LJ12105

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: LB 11/24/10

Secondary Review: CO 11/24/10

Quantitation Report

Bottle ID:	03	**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979834	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12105
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112310\1123F006.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 16:17	**Quant Date:**	11/24/2010 08:31	**Vial:**	6
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-001			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.20	0.01	152	79728	1,000.00	OK
2	Naphthalene-d8	10.07	0.00	136	249444	1,000.00	OK
3	Acenaphthene-d10	12.87	0.00	164	124799	1,000.00	OK
4	Phenanthrene-d10	15.27	-0.01	188	239124	1,000.00	OK
5	Chrysene-d12	19.62	0.00	240	282864	1,000.00	OK
6	Perylene-d12	23.02	0.02	264	251222	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.57	0.01	0.00	112	151503	1,922	51	11-80	OK
1	Phenol-d6	7.76	0.01	0.00	99	241748	2,613	70	20-86	OK
1	Nitrobenzene-d5	9.00	0.00	0.00	82	226543	2,157	86	27-91	OK
3	2-Fluorobiphenyl	11.82	-0.01	0.00	172	424007	2,067	83	25-97	OK
4	2,4,6-Tribromophenol	14.17	0.00	0.00	330	100828	2,414	64	10-119	OK
5	Terphenyl-d14	17.93	0.00	0.00	244	588760	2,638	106	33-129	OK

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		6.1	U	
1	Bis(2-chloroethyl) Ether				93	0		1.9	U	
1	Phenol				94	0d		2.0	U	
1	2-Chlorophenol				128	0		2.0	U	
1	Bis(2-chloroisopropyl) Ether				45	0d		2.6	U	
1	Hexachloroethane				117	0		3.1	U	
1	N-Nitrosodi-n-propylamine				70	0d		2.4	U	
1	Nitrobenzene				77	0d		2.2	U	
2	Isophorone				82	0d		1.0	U	
2	2-Nitrophenol				139	0d		1.5	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F006.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 16:17	**Quant Date:**	11/24/2010 08:31	**Vial:**	6
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-001			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0**d**		5.5	U	
2	Bis(2-chloroethoxy)methane				93	0**d**		1.5	U	
2	2,4-Dichlorophenol				162	0		1.0	U	
2	Naphthalene	10.10	-0.01	0.00	128	8710	35.06	2.3	U	
2	Hexachlorobutadiene				225	0		2.5	U	
2	4-Chloro-3-methylphenol				107	0**d**		1.4	U	
3	Hexachlorocyclopentadiene				237	0		29	U	
3	2,4,6-Trichlorophenol				196	0		1.4	U	
3	2-Chloronaphthalene				127	0**d**		1.6	U	
3	Acenaphthylene	12.64		0.00	152	8511	35.22	2.1	J	
3	Dimethyl Phthalate	12.52	-0.01	0.00	163	124637	642.97	38		
3	2,6-Dinitrotoluene				165	0**d**		2.0	U	
3	Acenaphthene	12.93		0.00	154	6637**m**	48.09	2.8	J	
3	2,4-Dinitrophenol				184	0		17	U	
3	4-Nitrophenol				109	0**d**		18	U	
3	2,4-Dinitrotoluene				165	0**d**		1.5	U	
3	Fluorene	13.76	-0.01	0.00	166	6823	38.56	2.3	J	
3	4-Chlorophenyl Phenyl Ether				204	0**d**		1.4	U	
3	Diethyl Phthalate	13.67	-0.02	0.00	149	11973	58.23	3.4	J	
3	2-Methyl-4,6-dinitrophenol				198	0		1.4	U	
3	N-Nitrosodiphenylamine				169	0**d**		1.6	U	
3	Azobenzene				77	0**d**		1.1	U	
4	4-Bromophenyl Phenyl Ether				248	0		1.6	U	
4	Hexachlorobenzene				284	0		1.2	U	
4	Pentachlorophenol				266	0**d**		20	U	
4	Phenanthrene	15.31	-0.01	0.00	178	105353	439.54	26		
4	Anthracene	15.40		0.00	178	26878	107.92	6.4		
4	Di-n-butyl Phthalate	16.36		0.00	149	10601**m**	34.86	7.9	U	
4	Fluoranthene	17.25		0.00	202	257239	861.18	51		
5	Benzidine				184	0**d**		120	U	
5	Pyrene	17.60	-0.01	0.00	202	213117	699.15	41		
5	Butyl Benzyl Phthalate				149	0**d**		3.2	U	
5	3,3'-Dichlorobenzidine				252	0**d**		3.7	U	
5	Benz(a)anthracene	19.60	-0.01	0.00	228	127048	434.26	26		
5	Chrysene	19.66	-0.01	0.00	228	136521	468.00	28		
5	Bis(2-ethylhexyl) Phthalate	19.83		0.00	149	17914**m**	101.44	7.0	U	
6	Di-n-octyl Phthalate				149	0**d**		1.7	U	
6	Benzo(b)fluoranthene	22.02	0.01	0.00	252	174397	646.68	38		
6	Benzo(k)fluoranthene	22.09	-0.01	0.00	252	69057	241.38	14		
6	Benzo(a)pyrene	22.87	0.01	0.00	252	113529	502.80	30		
6	Indeno(1,2,3-cd)pyrene	25.46	0.03	0.00	276	72504	356.34	21		
6	Dibenz(a,h)anthracene	25.53	0.03	0.00	278	18449	86.34	5.1	J	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F006.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 16:17	**Quant Date:**	11/24/2010 08:31	**Vial:**	6
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-001			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene	25.96	0.04	0.00	276	89722	400.35	24		

Prep Amount:	40.377 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	83.8 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F006.D Vial: 6
Acq On : 23 Nov 2010 4:17 pm Operator: KBailey
Sample : K1012914-001 Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:13 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	79728	1000.00 ng/ml	-0.08
22) Naphthalene-d8	10.07	136	249444	1000.00 ng/ml	-0.08
36) Acenaphthene-d10	12.87	164	124799	1000.00 ng/ml	-0.08
60) Phenanthrene-d10	15.27	188	239124	1000.00 ng/ml	-0.08
70) Chrysene-d12	19.62	240	282864	1000.00 ng/ml	-0.10
79) Perylene-d12	23.02	264	251222	1000.00 ng/ml	-0.12
System Monitoring Compounds					
4) 2-Fluorophenol	6.57	112	151503	1921.56 ng/ml	-0.07
Spiked Amount 3750.000	Range 38 - 110		Recovery = 51.24%		
6) Phenol-d6	7.76	99	241748	2612.59 ng/ml	-0.06
Spiked Amount 3750.000	Range 43 - 128		Recovery = 69.67%		
20) Nitrobenzene-d5	9.00	82	226543	2157.38 ng/ml	-0.08
Spiked Amount 2500.000	Range 30 - 139		Recovery = 86.30%		
40) 2-Fluorobiphenyl	11.82	172	424007	2066.53 ng/ml	-0.08
Spiked Amount 2500.000	Range 37 - 126		Recovery = 82.66%		
61) 2,4,6-Tribromophenol	14.17	330	100828	2414.43 ng/ml	-0.08
Spiked Amount 3750.000	Range 38 - 157		Recovery = 64.38%		
73) Terphenyl-d14	17.93	244	588760	2638.05 ng/ml	-0.08
Spiked Amount 2500.000	Range 54 - 158		Recovery = 105.52%		

Target Compounds					Qvalue
13) Benzyl Alcohol	8.43	108	3045	64.59 ng/ml#	65
16) Acetophenone	8.80	105	9278m	83.14 ng/ml	
28) Benzoic Acid	9.80	122	6743m	517.56 ng/ml	
30) Naphthalene	10.10	128	8710	35.06 ng/ml	96
34) 2-Methylnaphthalene	11.21	141	2601	18.46 ng/ml	77
35) 1-Methylnaphthalene	11.36	141	2161	14.86 ng/ml	80
43) Acenaphthylene	12.64	152	8511	35.22 ng/ml	92
44) Dimethyl Phthalate	12.52	163	124637	642.97 ng/ml	99
46) Acenaphthene	12.93	154	6637m	48.09 ng/ml	
49) Dibenzofuran	13.21	168	5242m	23.12 ng/ml	
53) Fluorene	13.76	166	6823	38.56 ng/ml	88
55) Diethyl Phthalate	13.67	149	11973	58.23 ng/ml	96
65) Phenanthrene	15.31	178	105353	439.54 ng/ml	98
66) Anthracene	15.40	178	26878	107.92 ng/ml	99
67) Carbazole	15.70	167	18524	85.09 ng/ml	99
68) Di-n-butyl Phthalate	16.36	149	10601m	34.86 ng/ml	
69) Fluoranthene	17.25	202	257239	861.18 ng/ml	97
72) Pyrene	17.60	202	213117	699.15 ng/ml	95
76) Benz(a)anthracene	19.60	228	127048	434.26 ng/ml	98
77) Chrysene	19.66	228	136521	468.00 ng/ml	95

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F006.D Vial: 6
Acq On : 23 Nov 2010 4:17 pm Operator: KBailey
Sample : K1012914-001 Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:13 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
78)	Bis(2-ethylhexyl) Phthalat	19.83	149	17914m	101.44 ng/ml	
81)	Benzo(b)fluoranthene	22.02	252	174397	646.68 ng/ml	99
82)	Benzo(k)fluoranthene	22.09	252	69057	241.38 ng/ml	99
83)	Benzo(a)pyrene	22.87	252	113529	502.80 ng/ml	95
84)	Indeno(1,2,3-cd)pyrene	25.46	276	72504	356.34 ng/ml	98
85)	Dibenz(a,h)anthracene	25.53	278	18449	86.34 ng/ml	90
86)	Benzo(g,h,i)perylene	25.96	276	89722	400.35 ng/ml	95

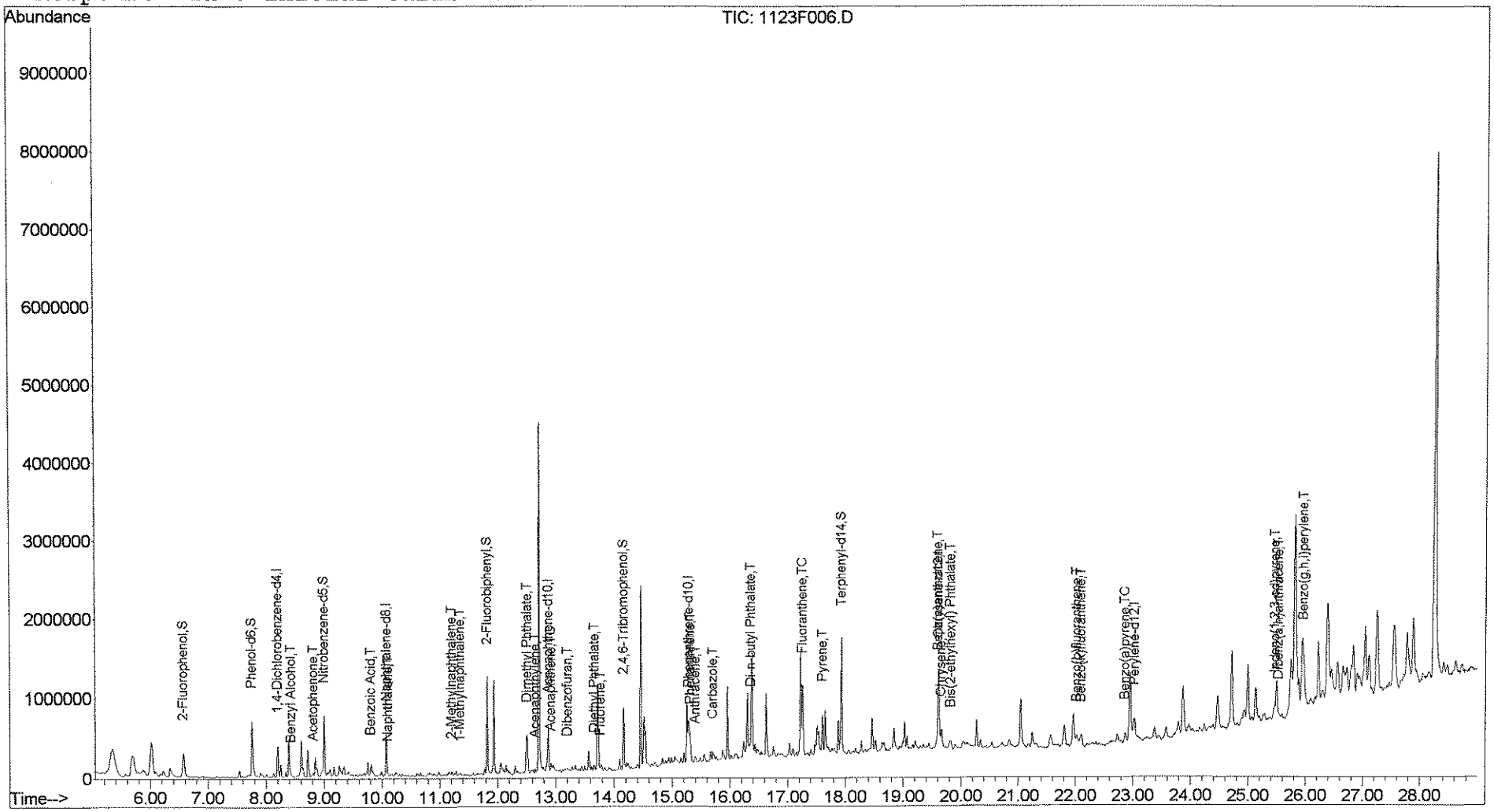
(#) = qualifier out of range (m) = manual integration

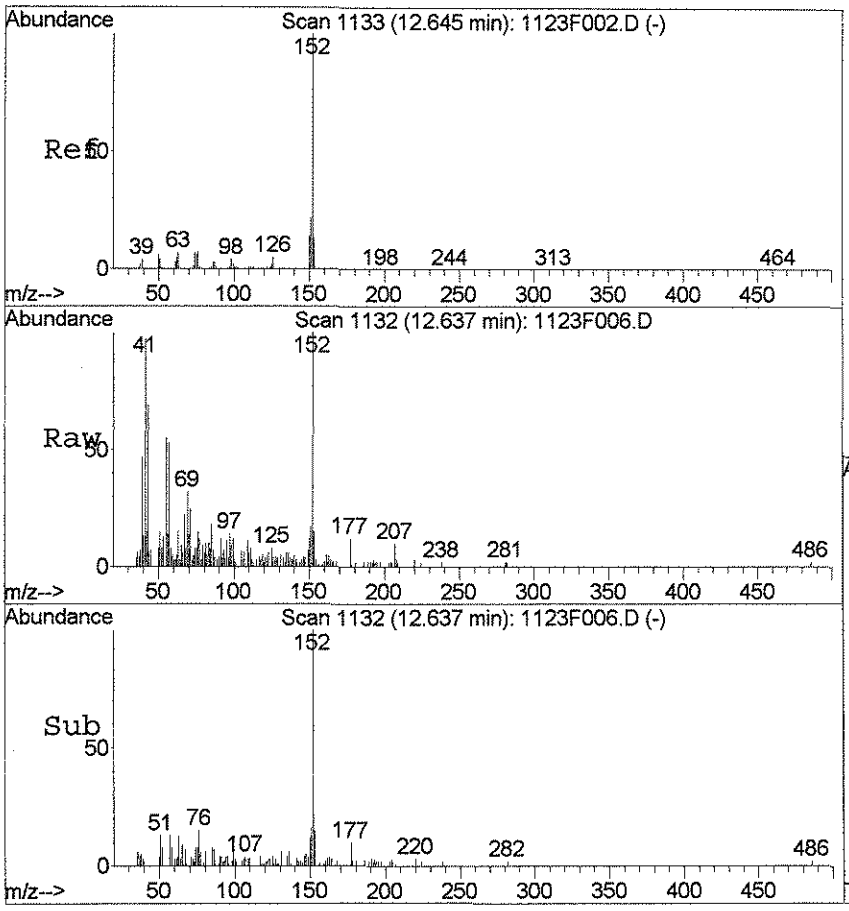
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F006.D
Acq On : 23 Nov 2010 4:17 pm
Sample : K1012914-001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:31 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration

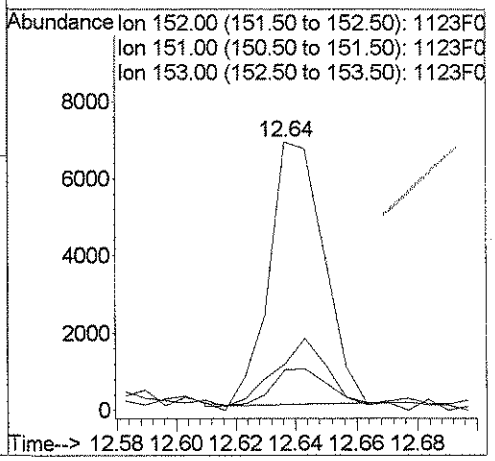


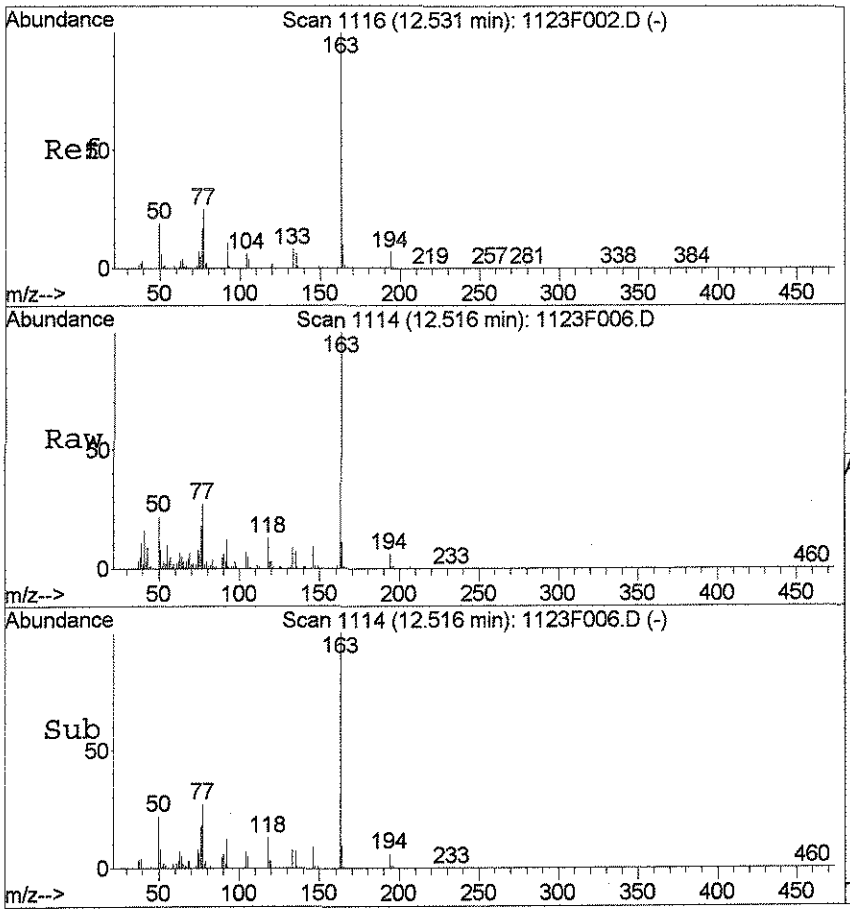


#43
Acenaphthylene
Concen: 35.22 ng/ml
RT: 12.64 min Scan# 1132
Delta R.T. -0.08 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:152 Resp: 8511

Ion	Ratio	Lower	Upper
152	100		
151	14.8	0.0	50.8
153	12.7	0.0	42.8

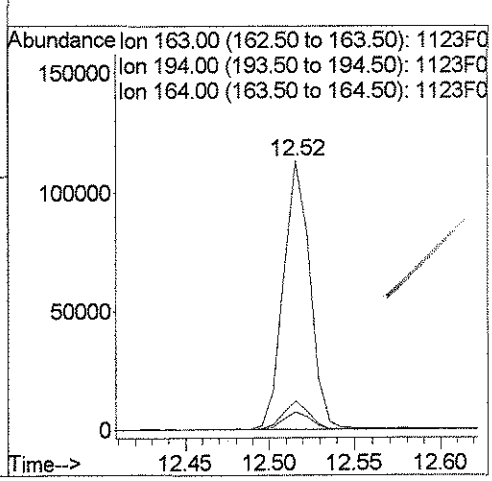


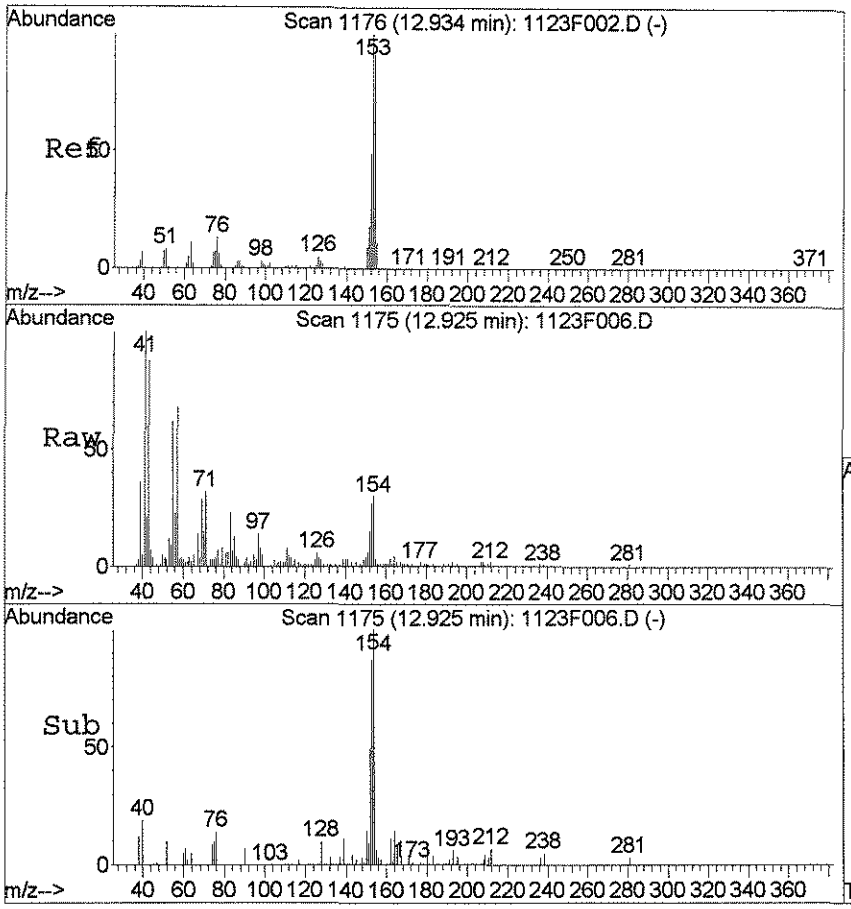


#44
Dimethyl Phthalate
Concen: 642.97 ng/ml
RT: 12.52 min Scan# 1114
Delta R.T. -0.08 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:163 Resp: 124637

Ion	Ratio	Lower	Upper
163	100		
194	6.5	0.0	37.0
164	10.4	0.0	40.1

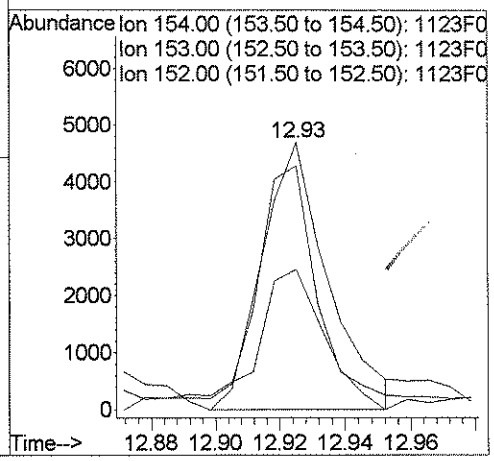


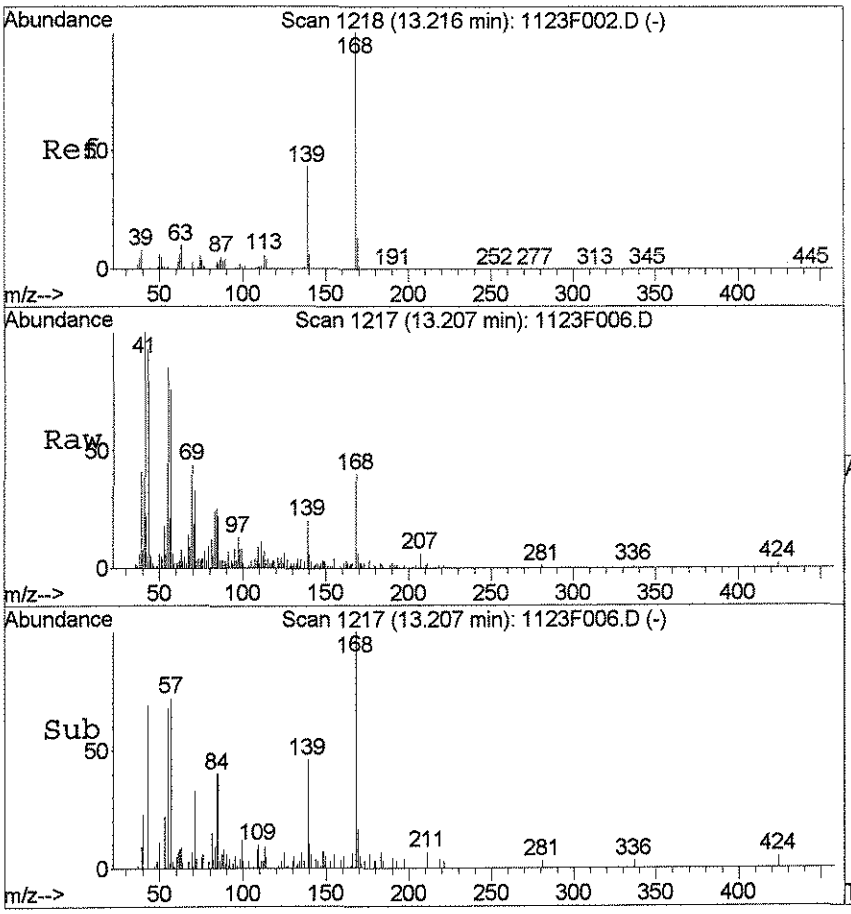


#46
Acenaphthene
Concen: 48.09 ng/ml m
RT: 12.93 min Scan# 1175
Delta R.T. -0.08 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:154 Resp: 6637

Ion	Ratio	Lower	Upper
154	100		
153	91.3	79.9	139.9
152	52.3	23.4	83.4

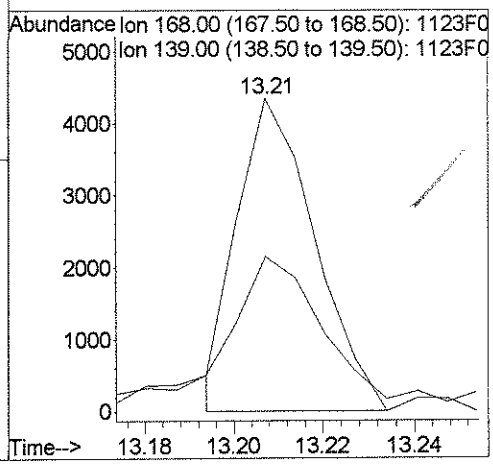


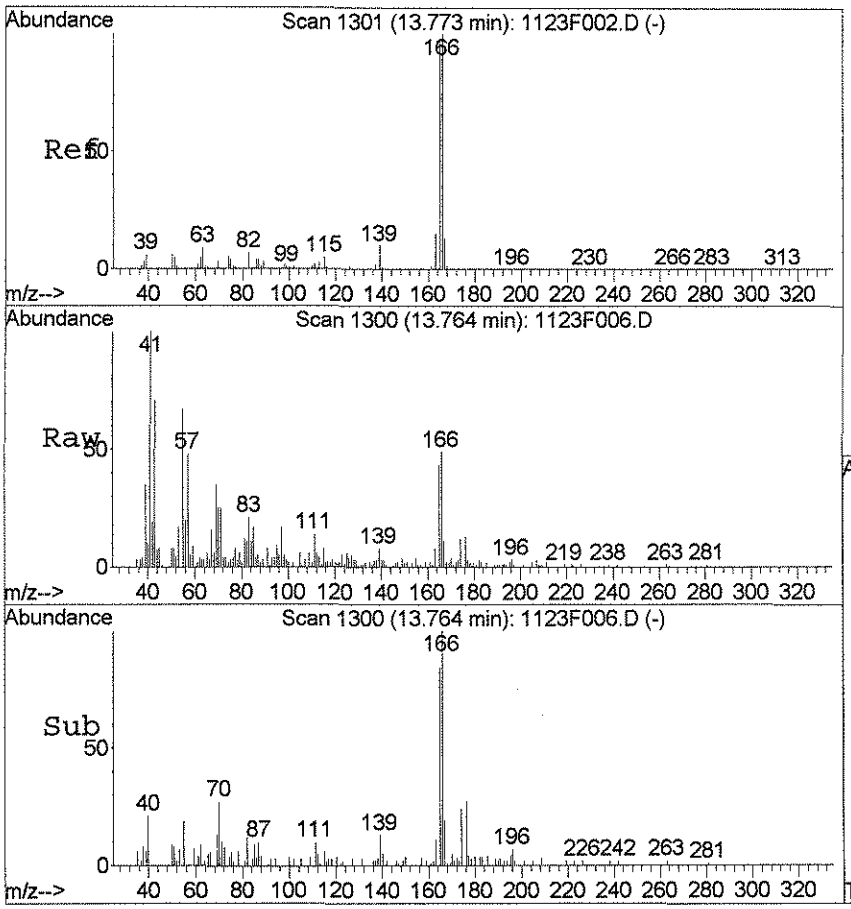


#49
Dibenzofuran
Concen: 23.12 ng/ml m
RT: 13.21 min Scan# 1217
Delta R.T. -0.08 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:168 Resp: 5242

Ion	Ratio	Lower	Upper
168	100		
139	49.5	16.6	76.6

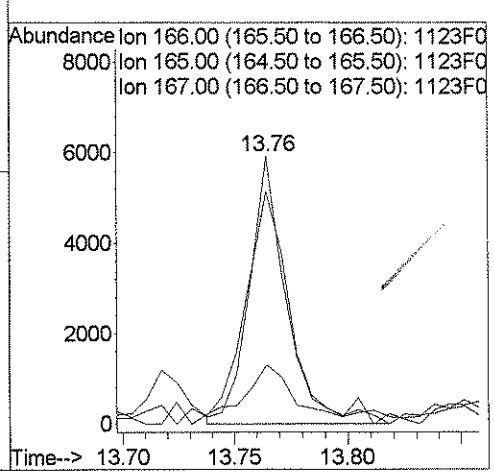


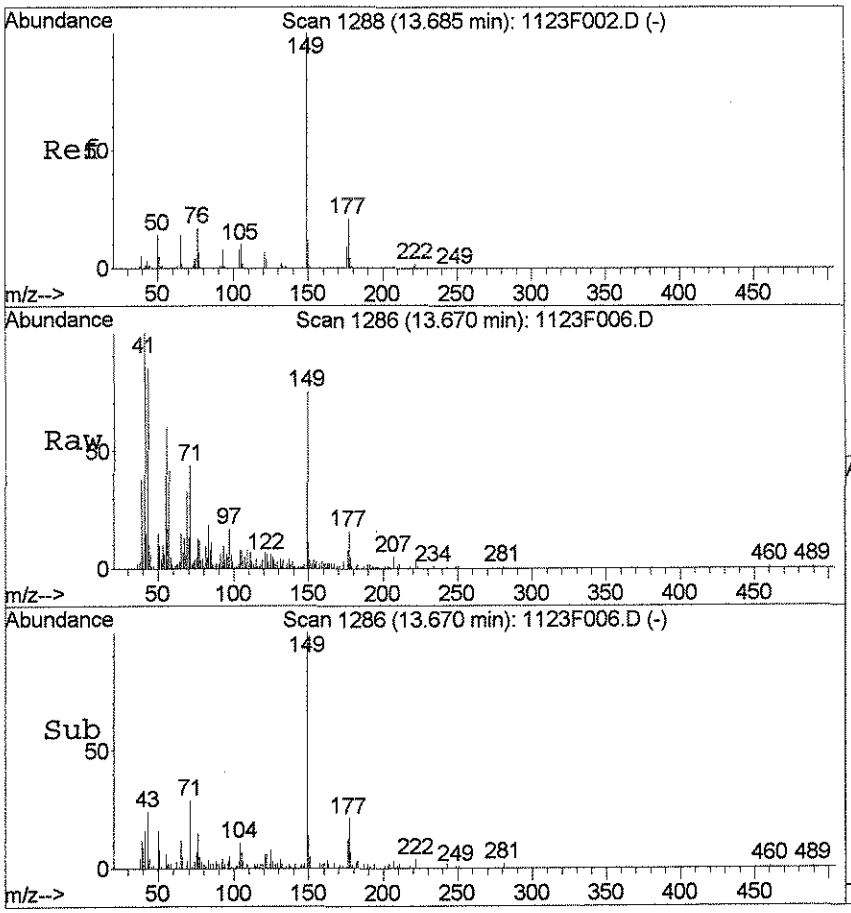


#53
Fluorene
Concen: 38.56 ng/ml
RT: 13.76 min Scan# 1300
Delta R.T. -0.08 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:166 Resp: 6823

Ion	Ratio	Lower	Upper
166	100		
165	84.3	66.5	126.5
167	18.3	0.0	43.3

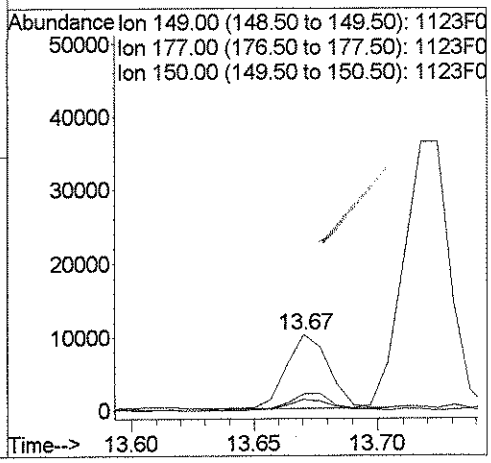


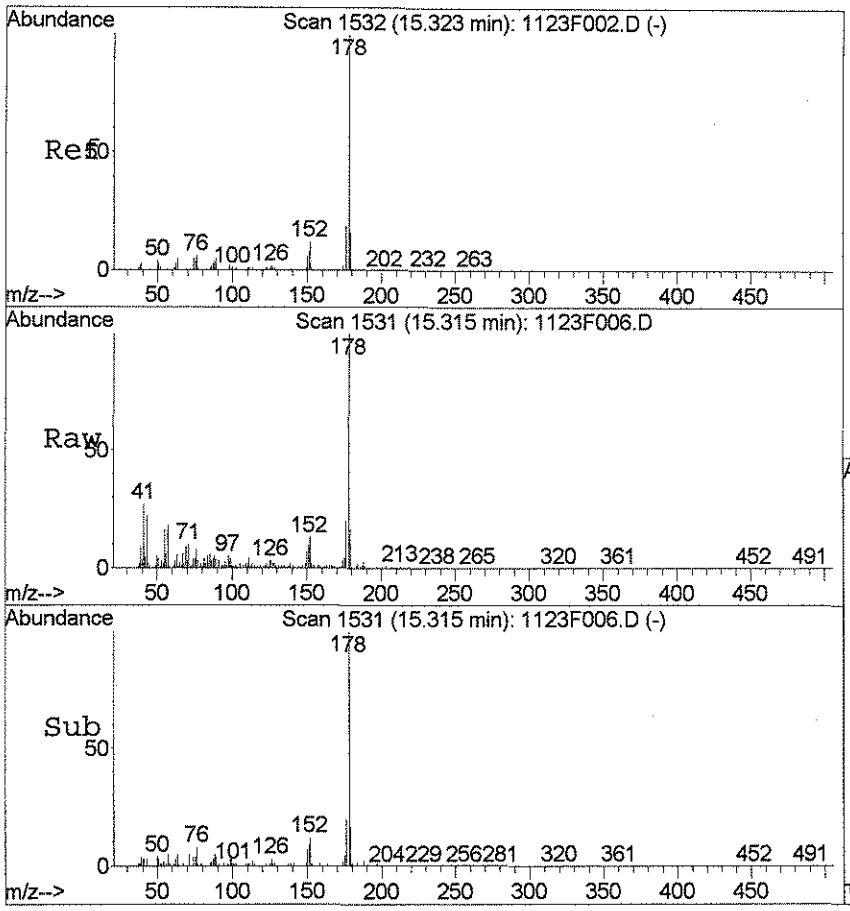


#55
Diethyl Phthalate
Concen: 58.23 ng/ml
RT: 13.67 min Scan# 1286
Delta R.T. -0.09 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:149 Resp: 11973

Ion	Ratio	Lower	Upper
149	100		
177	21.3	0.0	51.7
150	15.0	0.0	41.7

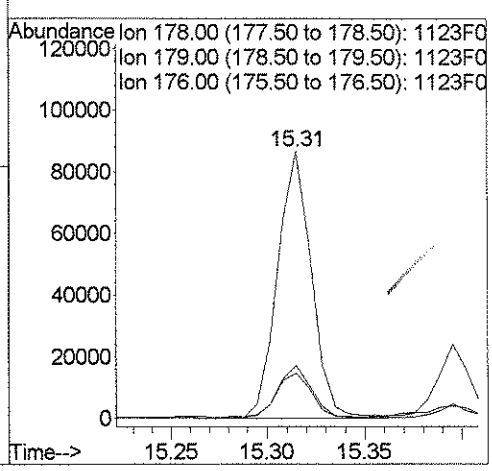


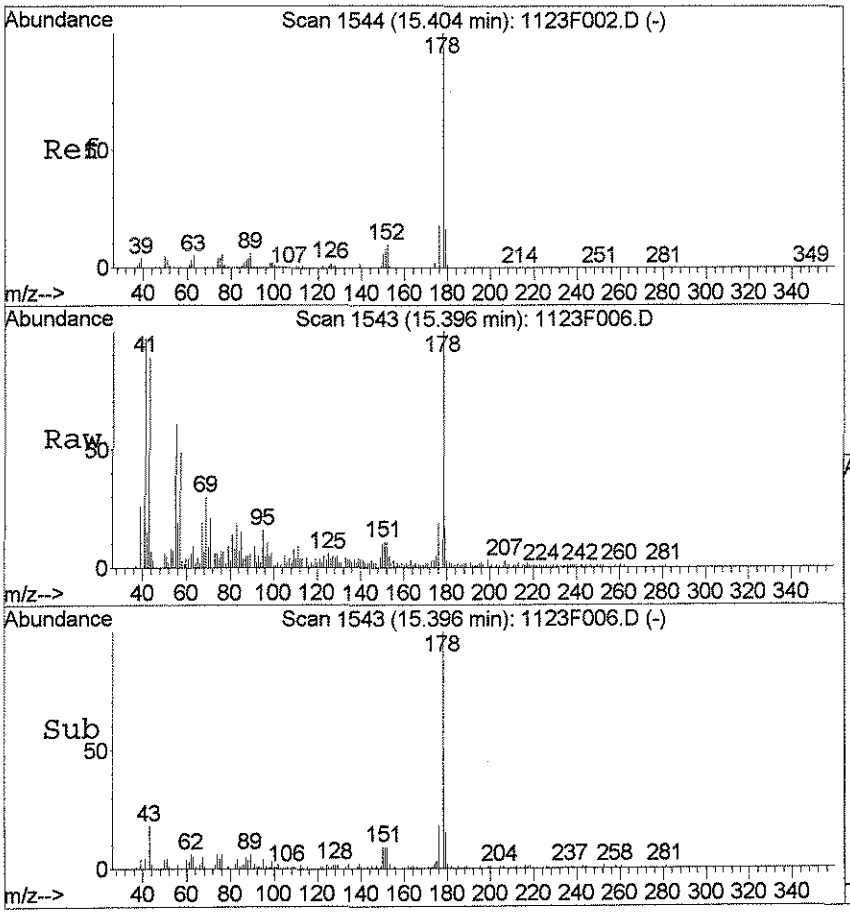


#65
Phenanthrene
Concen: 439.54 ng/ml
RT: 15.31 min Scan# 1531
Delta R.T. -0.08 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:178 Resp: 105353

Ion	Ratio	Lower	Upper
178	100		
179	16.3	0.0	45.6
176	19.9	0.0	49.0

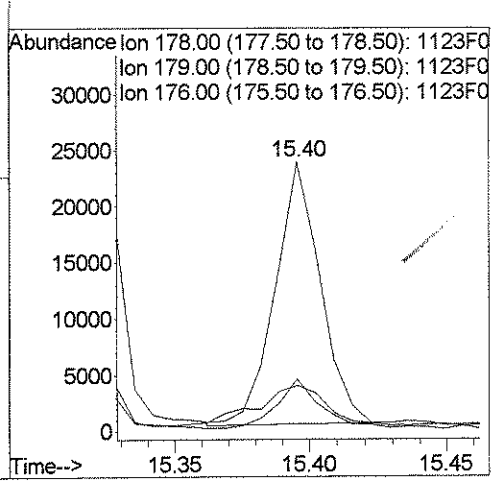


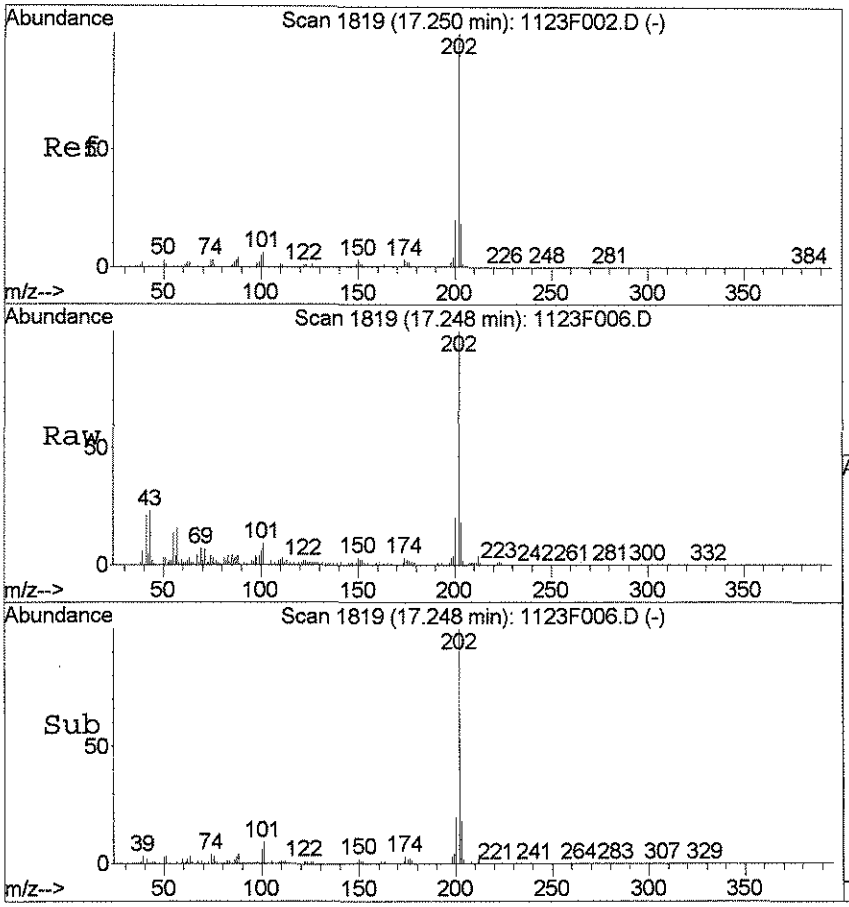


#66
Anthracene
Concen: 107.92 ng/ml
RT: 15.40 min Scan# 1543
Delta R.T. -0.09 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:178 Resp: 26878

Ion	Ratio	Lower	Upper
178	100		
179	15.2	0.0	45.9
176	18.8	0.0	48.4

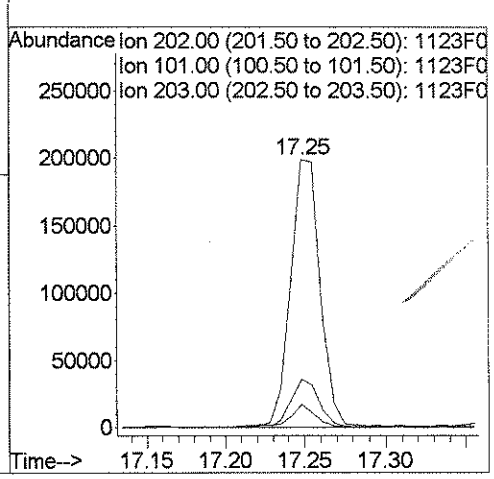


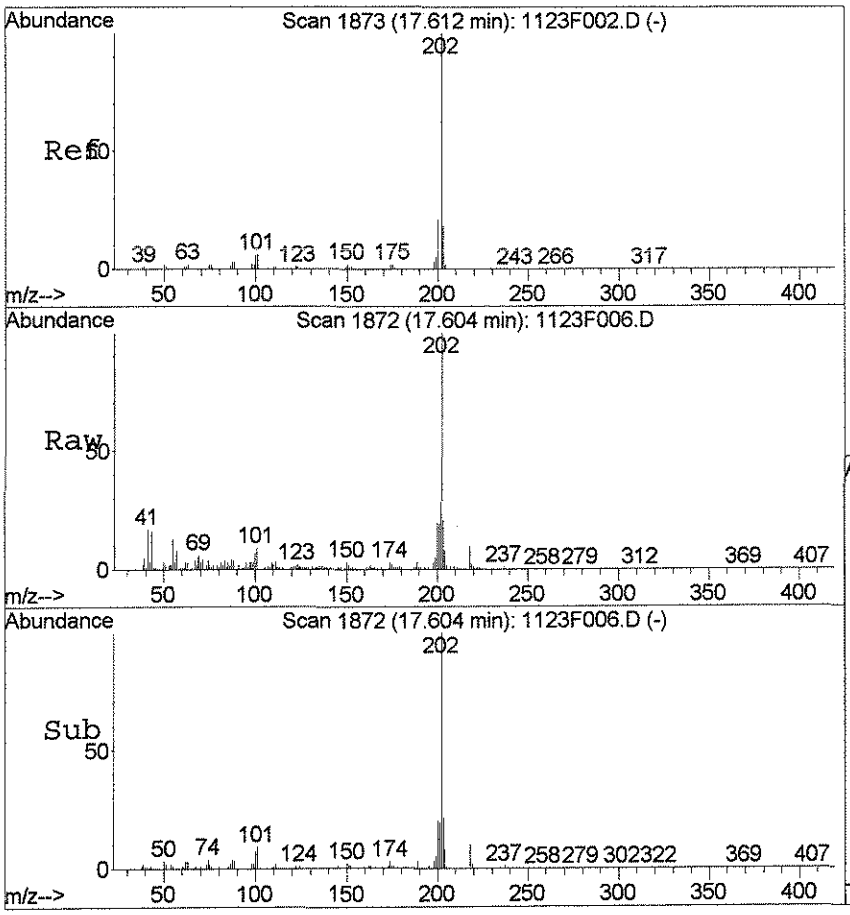


#69
Fluoranthene
Concen: 861.18 ng/ml
RT: 17.25 min Scan# 1819
Delta R.T. -0.08 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:202 Resp: 257239

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	36.1
203	18.0	0.0	47.2

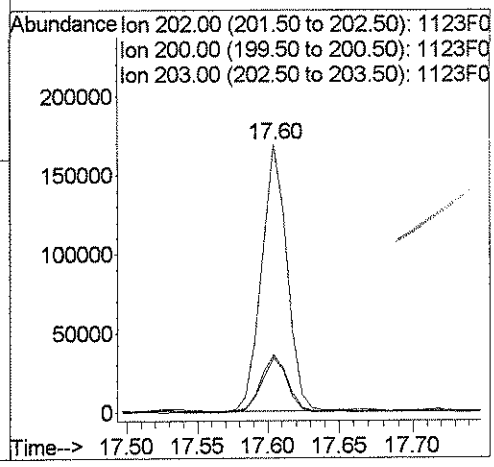


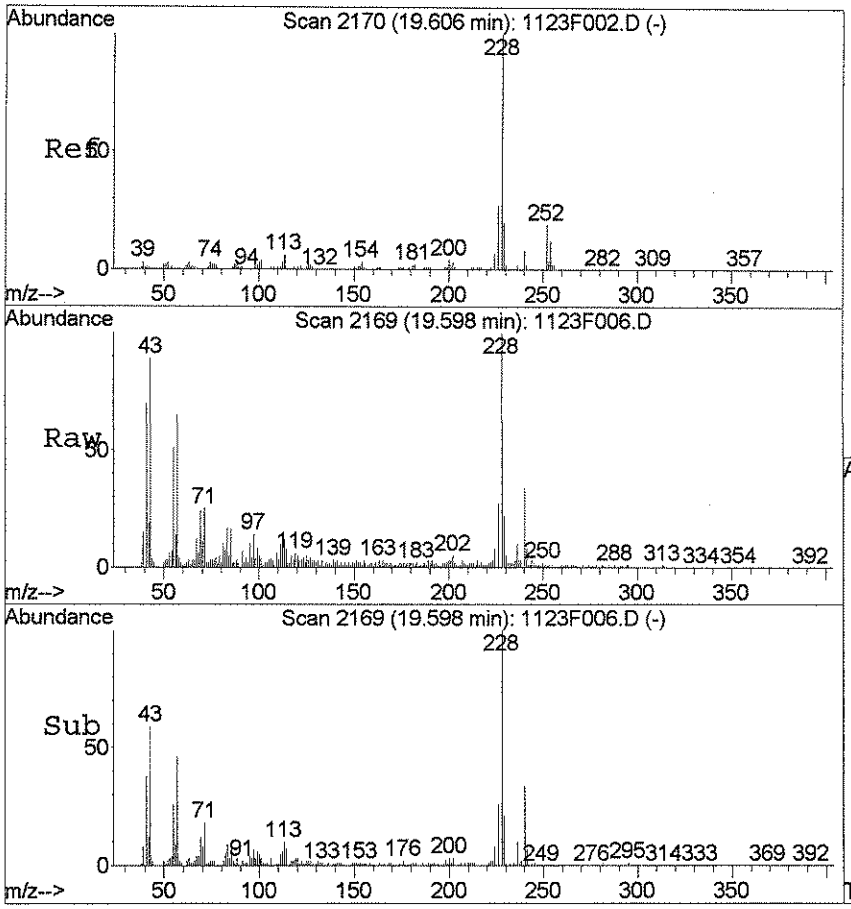


#72
Pyrene
Concen: 699.15 ng/ml
RT: 17.60 min Scan# 1872
Delta R.T. -0.09 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:202 Resp: 213117

Ion	Ratio	Lower	Upper
202	100		
200	20.3	0.0	51.0
203	20.8	0.0	47.0

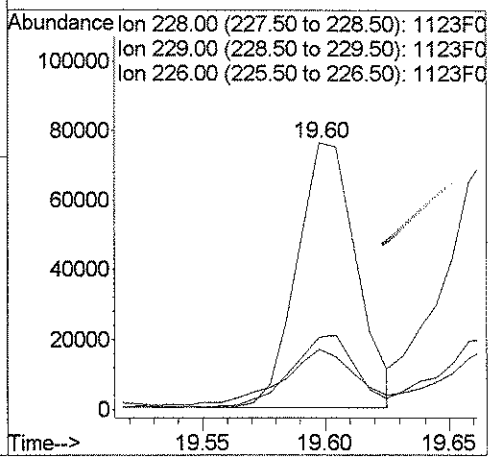


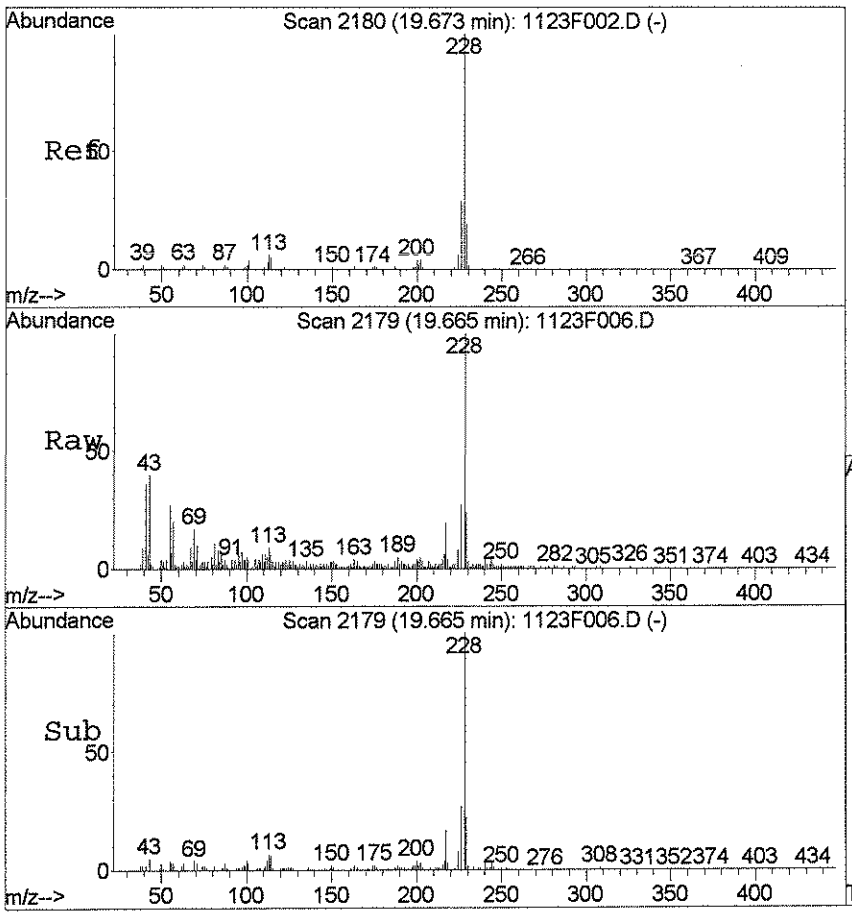


#76
Benz(a)anthracene
Concen: 434.26 ng/ml
RT: 19.60 min Scan# 2169
Delta R.T. -0.10 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:228 Resp: 127048

Ion	Ratio	Lower	Upper
228	100		
229	19.8	0.0	49.4
226	26.2	0.0	57.7

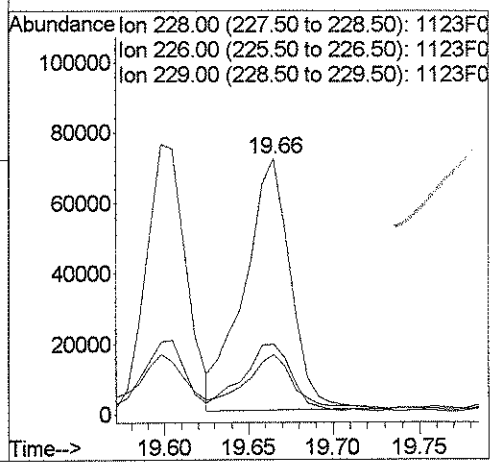


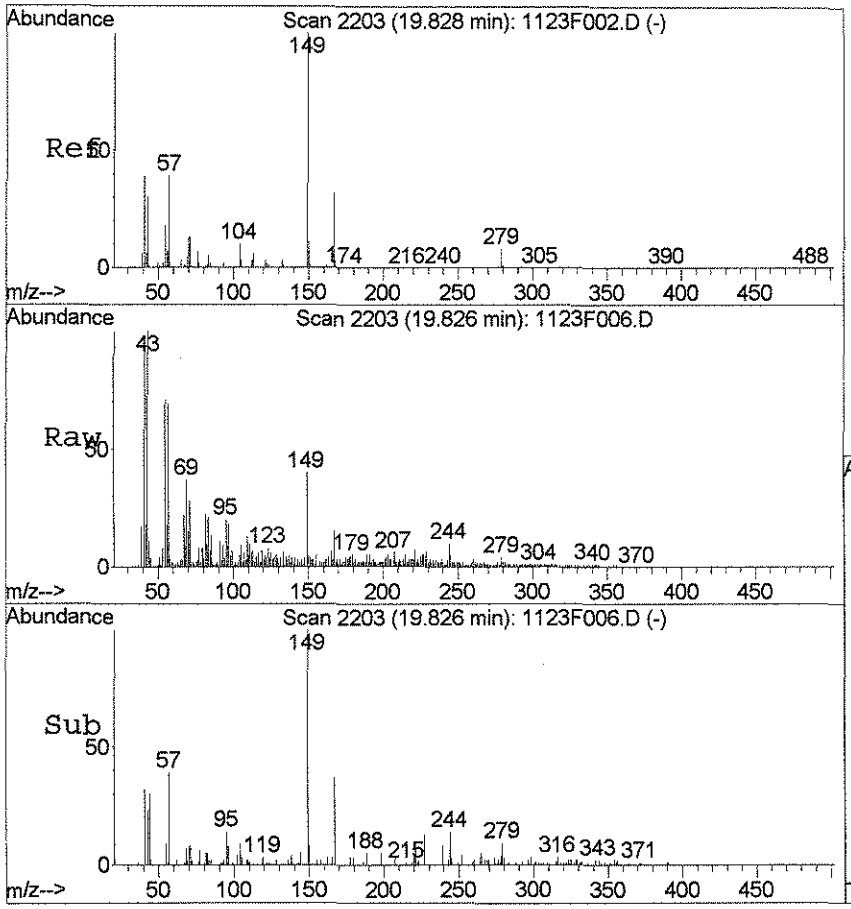


#77
Chrysene
Concen: 468.00 ng/ml
RT: 19.66 min Scan# 2179
Delta R.T. -0.11 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:228 Resp: 136521

Ion	Ratio	Lower	Upper
228	100		
226	26.4	0.0	58.9
229	21.9	0.0	49.4

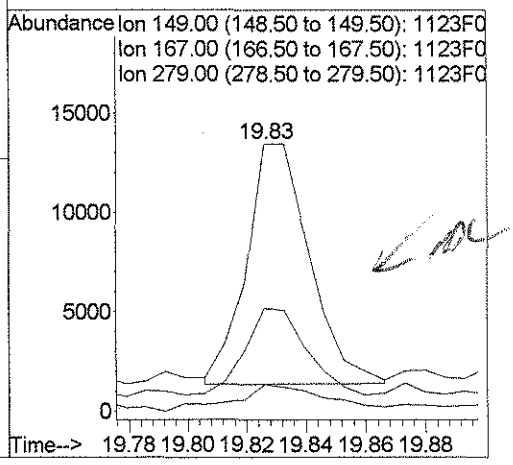


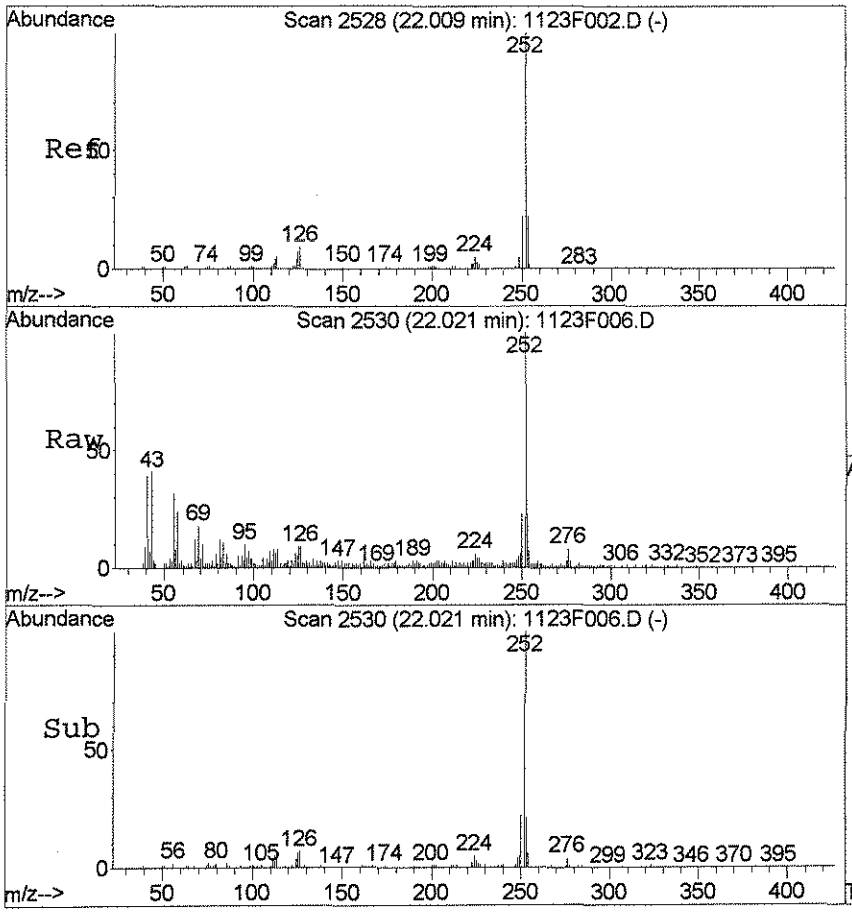


#78
Bis(2-ethylhexyl) Phthalate
Concen: 101.44 ng/ml m
RT: 19.83 min Scan# 2203
Delta R.T. -0.11 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:149 Resp: 17914

Ion	Ratio	Lower	Upper
149	100		
167	38.4	2.1	62.1
279	10.1	0.0	39.6

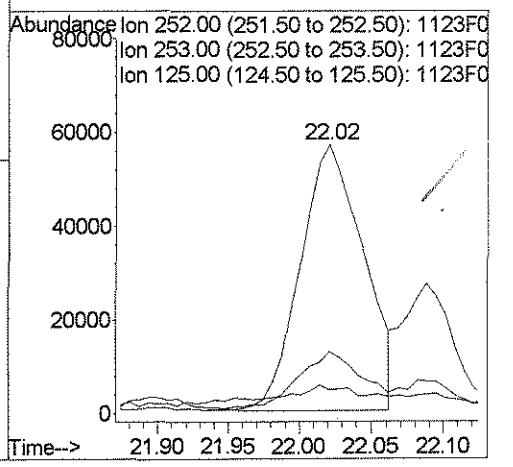


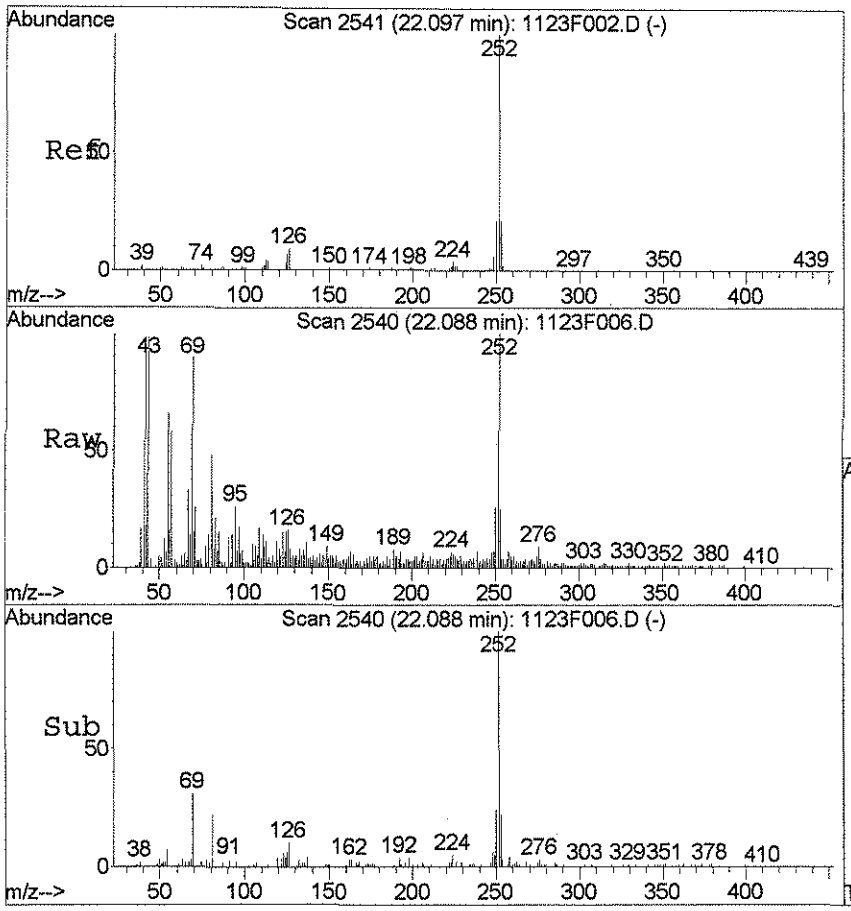


#81
Benzo(b)fluoranthene
Concen: 646.68 ng/ml
RT: 22.02 min Scan# 2530
Delta R.T. -0.14 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:252 Resp: 174397

Ion	Ratio	Lower	Upper
252	100		
253	21.2	0.0	51.0
125	5.1	0.0	36.4

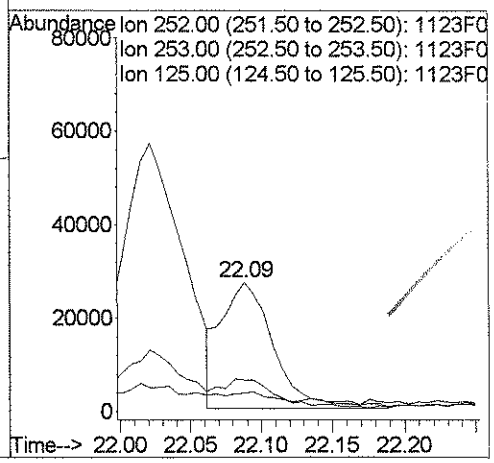


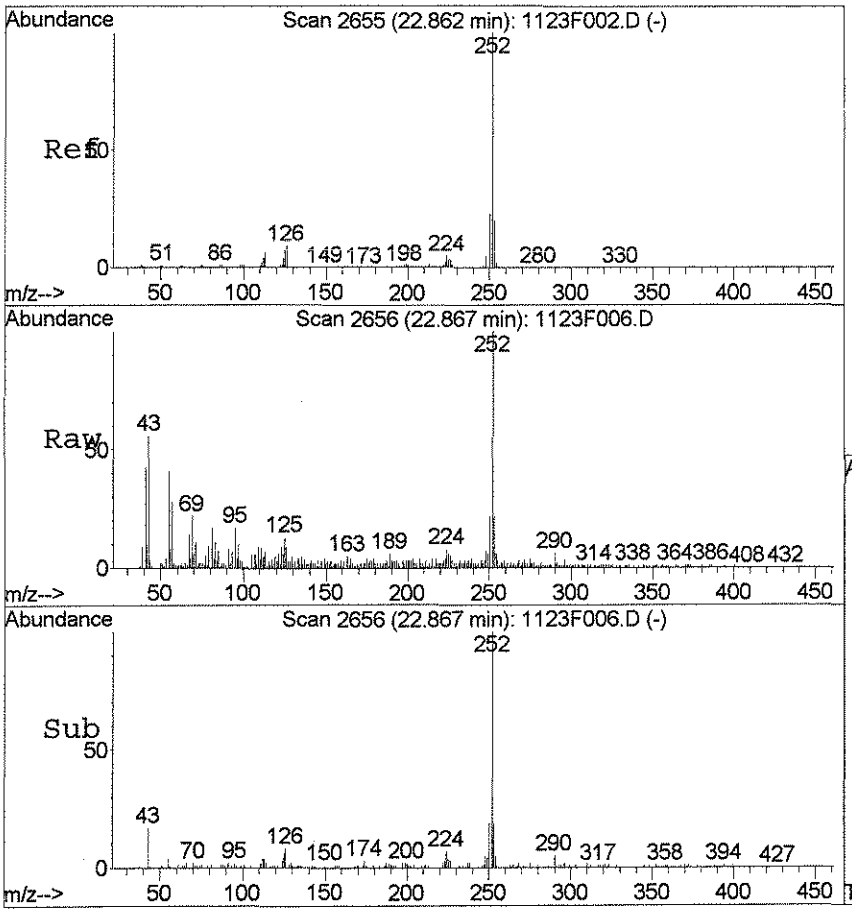


#82
Benzo(k)fluoranthene
Concen: 241.38 ng/ml
RT: 22.09 min Scan# 2540
Delta R.T. -0.16 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:252 Resp: 69057

Ion	Ratio	Lower	Upper
252	100		
253	21.3	0.0	51.3
125	7.9	0.0	36.2

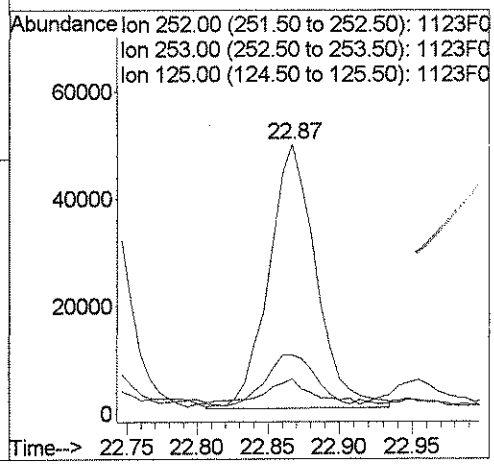


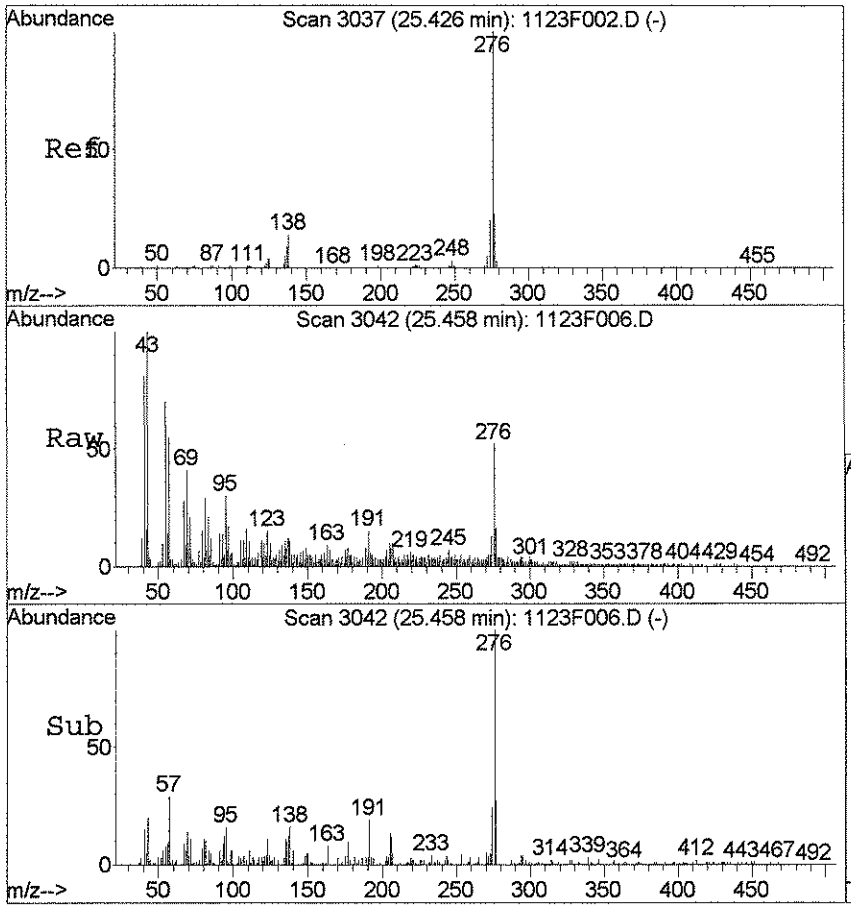


#83
Benzo(a)pyrene
Concen: 502.80 ng/ml
RT: 22.87 min Scan# 2656
Delta R.T. -0.14 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:252 Resp: 113529

Ion	Ratio	Lower	Upper
252	100		
253	18.2	0.0	50.3
125	8.9	0.0	37.0

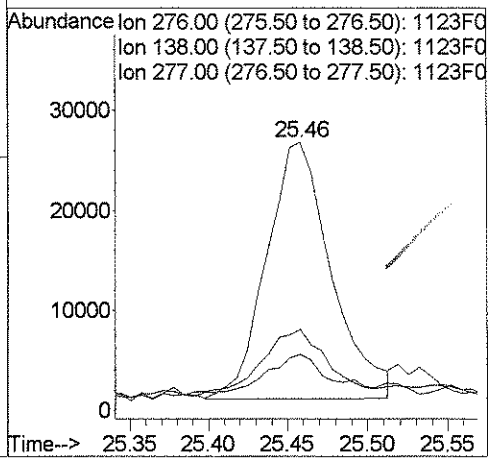


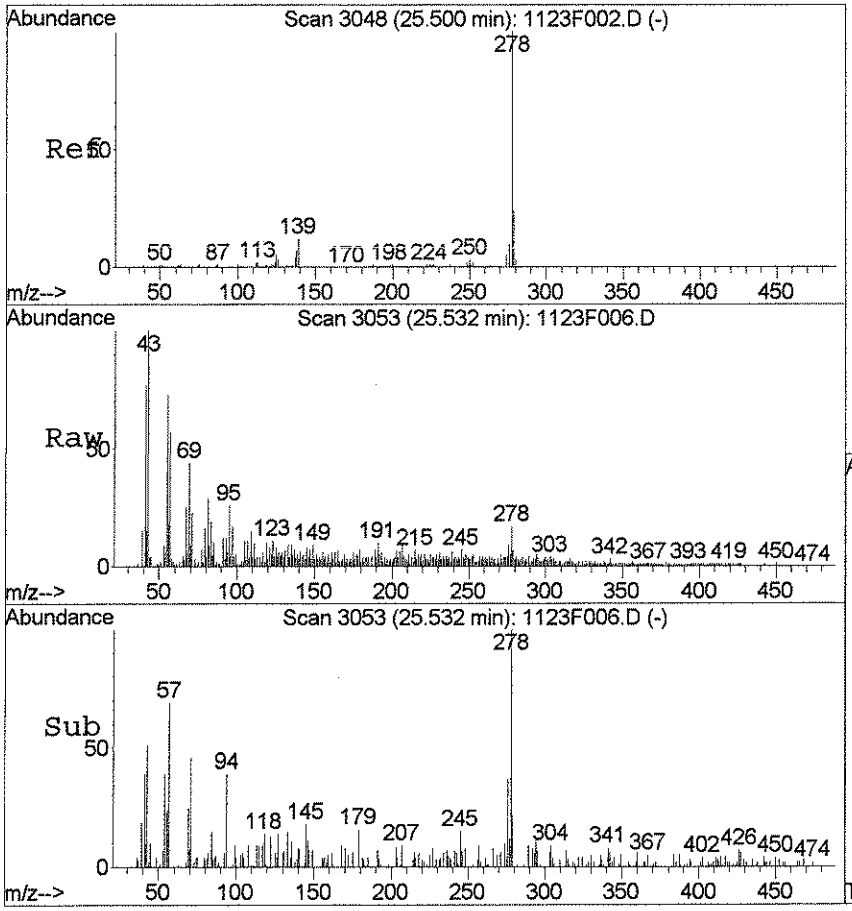


#84
Indeno(1,2,3-cd)pyrene
Concen: 356.34 ng/ml
RT: 25.46 min Scan# 3042
Delta R.T. -0.09 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:276 Resp: 72504

Ion	Ratio	Lower	Upper
276	100		
138	14.6	0.0	44.3
277	24.2	0.0	53.0

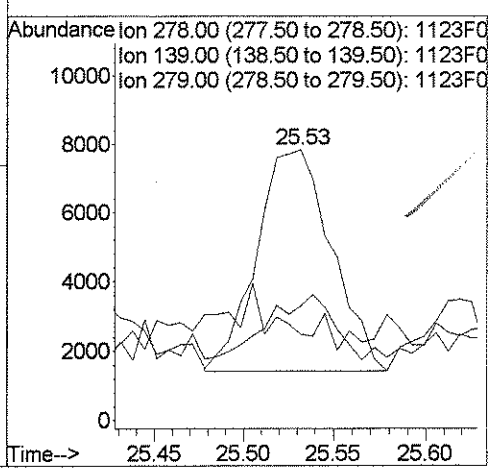


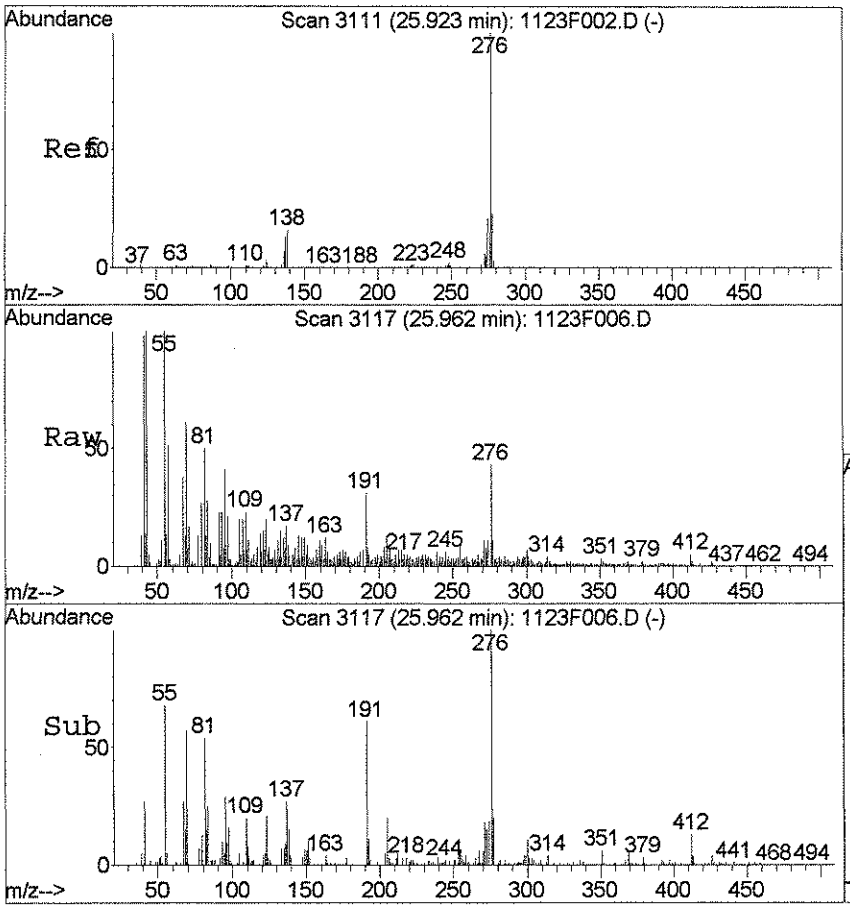


#85
Dibenz(a,h)anthracene
Concen: 86.34 ng/ml
RT: 25.53 min Scan# 3053
Delta R.T. -0.10 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:278 Resp: 18449

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	41.6
279	23.6	0.0	54.0

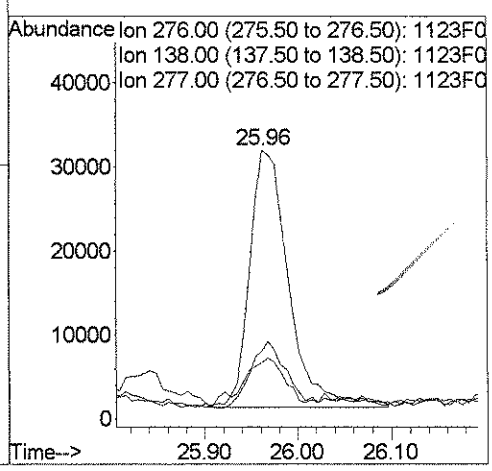




#86
Benzo(g,h,i)perylene
Concen: 400.35 ng/ml
RT: 25.96 min Scan# 3117
Delta R.T. -0.09 min
Lab File: 1123F006.D
Acq: 23 Nov 2010 4:17 pm

Tgt Ion:276 Resp: 89722

Ion	Ratio	Lower	Upper
276	100		
138	16.2	0.0	44.2
277	20.4	0.0	52.7

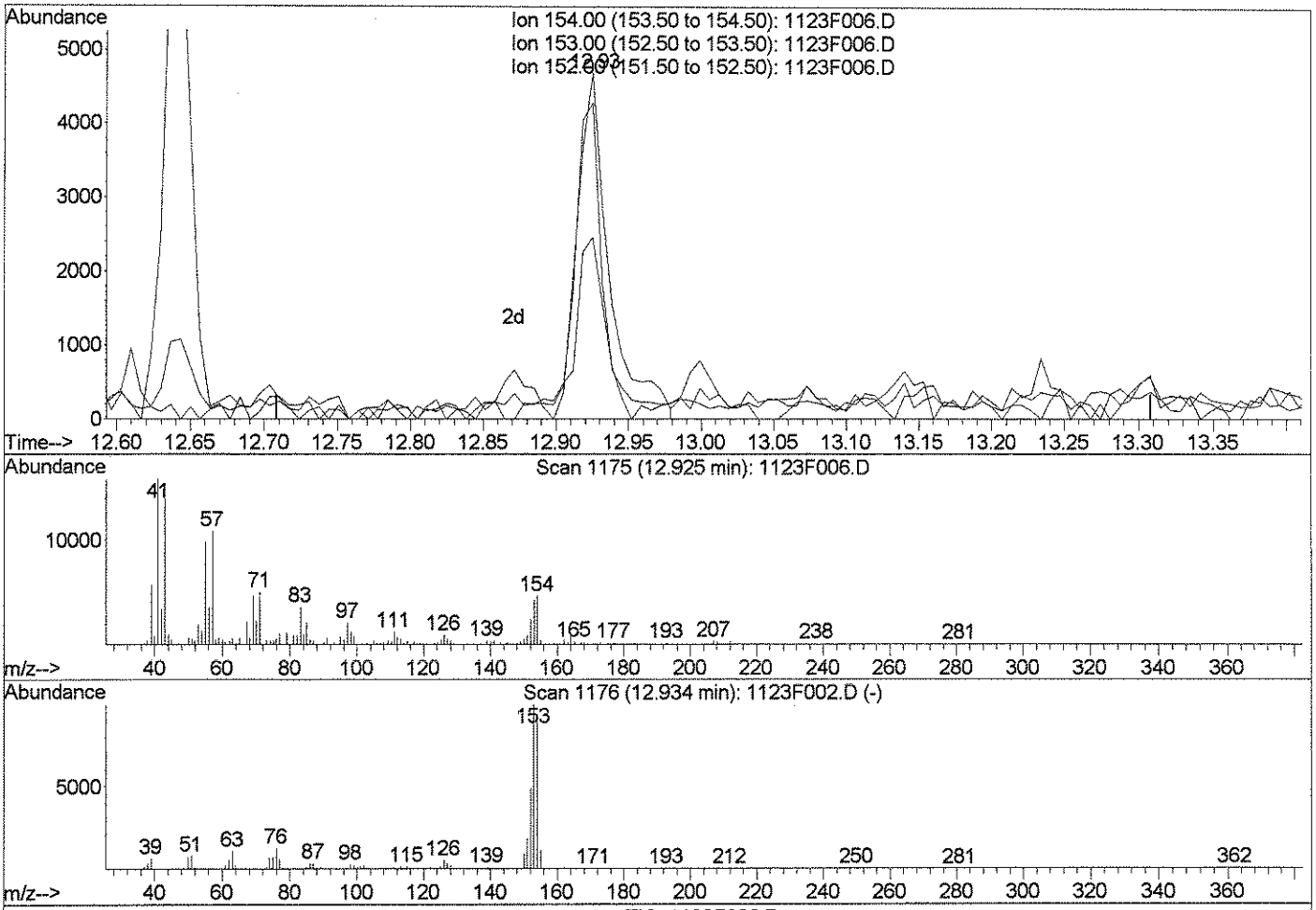


Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F006.D
Acq On : 23 Nov 2010 4:17 pm
Sample : K1012914-001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:30 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



TIC: 1123F006.D

(46) Acenaphthene (TC)

12.93min 52.63ng/ml

response 7264

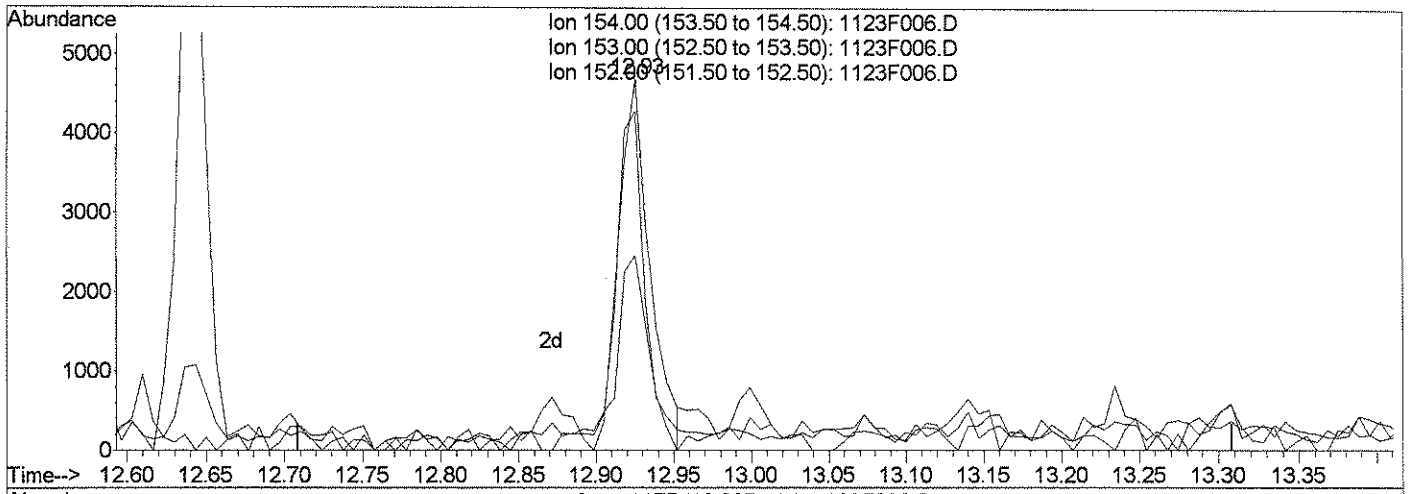
Ion	Exp%	Act%
154.00	100	100
153.00	109.90	87.13
152.00	53.40	47.71
0.00	0.00	0.00

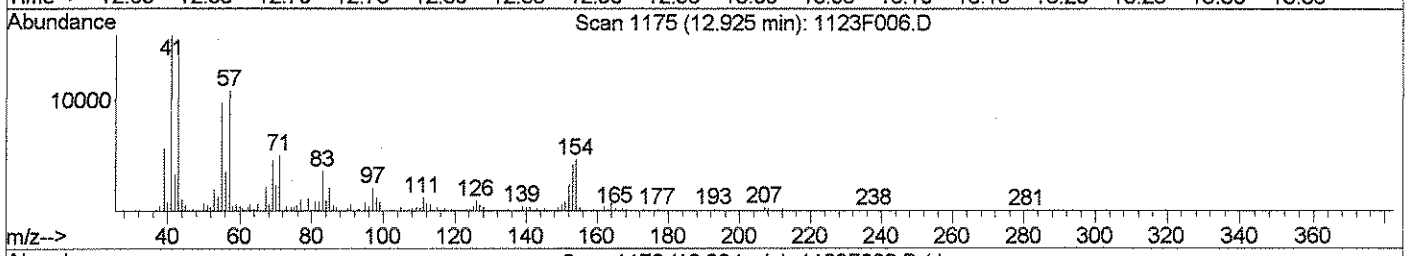
Quantitation Report (Qedit)

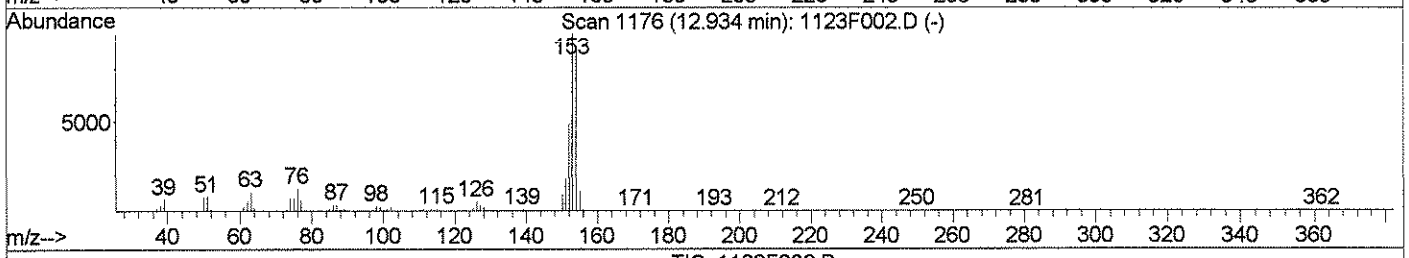
Data File : J:\MS06\DATA\112310\1123F006.D
Acq On : 23 Nov 2010 4:17 pm
Sample : K1012914-001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:30 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F006.D

(46) Acenaphthene (TC)

12.93min 48.09ng/ml m

response 6637

Ion	Exp%	Act%
154.00	100	100
153.00	109.90	91.28
152.00	53.40	52.29
0.00	0.00	0.00

01

LB 11/24/10

1123F006.D 111510_BNLL.M Wed Nov 24 08:30:41 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0002
Lab Code: K1012914-002

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	290	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	57	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	170	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	57	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	57	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	57	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	57	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	57	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	57	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	290	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	57	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	57	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	57	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	290	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	57	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**25**	JD	57	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	57	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	570	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	57	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	57	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	570	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	57	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	57	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	570	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**29**	JD	57	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**33**	JD	57	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	57	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	570	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**18**	JD	57	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	570	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	57	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**30**	JD	57	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**28**	JD	57	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	64	11-80	11/23/10	Acceptable
Phenol-d6	70	20-86	11/23/10	Acceptable
Nitrobenzene-d5	82	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	77	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	65	10-119	11/23/10	Acceptable
Terphenyl-d14	99	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F011.D
Lab ID: K1012914-002
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/23/2010 19:25
Date Quantitated: 11/24/2010 08:42
Batch ID: KWG1012886
Analysis Method: 8270C
ListJoinID: LJ12105

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x

Base run due to matrix (dark extract).

Primary Review: KB 11/24/10

Secondary Review: [illegible] 11/24/10

Quantitation Report

Bottle ID:	03	**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979835	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12105
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112310\1123F011.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 19:25	**Quant Date:**	11/24/2010 08:42	**Vial:**	11
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-002			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.22	0.03	152	79506	1,000.00	OK
2	Naphthalene-d8	10.10	0.03	136	245731	1,000.00	OK
3	Acenaphthene-d10	12.90	0.03	164	128669	1,000.00	OK
4	Phenanthrene-d10	15.31	0.03	188	251095	1,000.00	OK
5	Chrysene-d12	19.68	0.06	240	281495	1,000.00	OK
6	Perylene-d12	23.17	0.17	264	255806	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.61	0.05	0.00	112	18746	238.43	64	11-80 OK	
1	Phenol-d6	7.80	0.05	0.00	99	24142	261.63	70	20-86 OK	
1	Nitrobenzene-d5	9.02	0.02	0.00	82	21477	205.10	82	27-91 OK	
3	2-Fluorobiphenyl	11.84	0.01	0.00	172	40831	193.02	77	25-97 OK	
4	2,4,6-Tribromophenol	14.20	0.03	0.00	330	10638	242.59	65	10-119 OK	
5	Terphenyl-d14	17.97	0.04	0.00	244	55230	248.67	99	33-129 OK	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		61	U	
1	Bis(2-chloroethyl) Ether				93	0		19	U	
1	Phenol				94	0		20	U	
1	2-Chlorophenol				128	0		20	U	
1	Bis(2-chloroisopropyl) Ether				45	0d		26	U	
1	Hexachloroethane				117	0		31	U	
1	N-Nitrosodi-n-propylamine				70	0d		24	U	
1	Nitrobenzene				77	0d		22	U	
2	Isophorone				82	0		10	U	
2	2-Nitrophenol				139	0		15	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F011.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 19:25	**Quant Date:**	11/24/2010 08:42	**Vial:**	11
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-002			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0d		55	U	
2	Bis(2-chloroethoxy)methane				93	0		15	U	
2	2,4-Dichlorophenol				162	0		10	U	
2	Naphthalene				128	0d		23	U	
2	Hexachlorobutadiene				225	0		25	U	
2	4-Chloro-3-methylphenol				107	0d		14	U	
3	Hexachlorocyclopentadiene				237	0		290	U	
3	2,4,6-Trichlorophenol				196	0		14	U	
3	2-Chloronaphthalene				127	0		16	U	
3	Acenaphthylene	12.68	0.04	0.00	152	1367	5.49	12	U	
3	Dimethyl Phthalate	12.54	0.01	0.00	163	8776	43.91	25	JD	
3	2,6-Dinitrotoluene				165	0d		20	U	
3	Acenaphthene				154	0		14	U	
3	2,4-Dinitrophenol				184	0		170	U	
3	4-Nitrophenol				109	0d		180	U	
3	2,4-Dinitrotoluene				165	0		15	U	
3	Fluorene				166	0d		11	U	
3	4-Chlorophenyl Phenyl Ether				204	0		14	U	
3	Diethyl Phthalate	13.70	0.01	0.00	149	1755m	8.28	13	U	
3	2-Methyl-4,6-dinitrophenol				198	0		14	U	
3	N-Nitrosodiphenylamine				169	0d		16	U	
3	Azobenzene				77	0d		11	U	
4	4-Bromophenyl Phenyl Ether				248	0		16	U	
4	Hexachlorobenzene				284	0		12	U	
4	Pentachlorophenol				266	0		200	U	
4	Phenanthrene	15.35	0.03	0.00	178	5132	20.39	14	U	
4	Anthracene	15.43	0.03	0.00	178	2126m	8.13	16	U	
4	Di-n-butyl Phthalate	16.38	0.02	0.00	149	2487m	7.79	79	U	
4	Fluoranthene	17.29	0.04	0.00	202	16080	51.27	29	JD	
5	Benzidine				184	0d		1200	U	
5	Pyrene	17.65	0.04	0.00	202	17662	58.22	33	JD	
5	Butyl Benzyl Phthalate				149	0d		32	U	
5	3,3'-Dichlorobenzidine				252	0d		37	U	
5	Benz(a)anthracene	19.66	0.05	0.00	228	9311	31.98	18	JD	
5	Chrysene	19.73	0.06	0.00	228	6684m	23.02	15	U	
5	Bis(2-ethylhexyl) Phthalate				149	0d		70	U	
6	Di-n-octyl Phthalate				149	0d		17	U	
6	Benzo(b)fluoranthene	22.16	0.15	0.00	252	14749	53.71	30	JD	
6	Benzo(k)fluoranthene				252	0d		14	U	
6	Benzo(a)pyrene	23.01	0.15	0.00	252	11503	50.03	28	JD	
6	Indeno(1,2,3-cd)pyrene				276	0d		15	U	
6	Dibenz(a,h)anthracene				278	0d		15	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F011.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 19:25	**Quant Date:**	11/24/2010 08:42	**Vial:**	11
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-002			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene				276	0d		15	U	

Prep Amount:	40.278 g	**Dilution:**	10.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	88.2 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F011.D Vial: 11
Acq On : 23 Nov 2010 7:25 pm Operator: KBailey
Sample : K1012914-002 10X Inst : MS06
Misc : Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:19 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	79506	1000.00 ng/ml	-0.05
22) Naphthalene-d8	10.10	136	245731	1000.00 ng/ml	-0.05
36) Acenaphthene-d10	12.90	164	128669	1000.00 ng/ml	-0.04
60) Phenanthrene-d10	15.31	188	251095	1000.00 ng/ml	-0.04
70) Chrysene-d12	19.68	240	281495	1000.00 ng/ml	-0.04
79) Perylene-d12	23.17	264	255806	1000.00 ng/ml	0.02

System Monitoring Compounds					
4) 2-Fluorophenol	6.61	112	18746	238.43 ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 110		Recovery = 6.36%#		
6) Phenol-d6	7.80	99	24142	261.63 ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 6.98%#		
20) Nitrobenzene-d5	9.02	82	21477	205.10 ng/ml	-0.05
Spiked Amount 2500.000	Range 30 - 139		Recovery = 8.20%#		
40) 2-Fluorobiphenyl	11.84	172	40831	193.02 ng/ml	-0.06
Spiked Amount 2500.000	Range 37 - 126		Recovery = 7.72%#		
61) 2,4,6-Tribromophenol	14.20	330	10638	242.59 ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 157		Recovery = 6.47%#		
73) Terphenyl-d14	17.97	244	55230	248.67 ng/ml	-0.05
Spiked Amount 2500.000	Range 54 - 158		Recovery = 9.95%#		

Target Compounds					Qvalue
28) Benzoic Acid	9.83	122	4810	469.37 ng/ml	94
43) Acenaphthylene	12.68	152	1367	5.49 ng/ml	75
44) Dimethyl Phthalate	12.54	163	8776	43.91 ng/ml	95
55) Diethyl Phthalate	13.70	149	1755m	8.28 ng/ml	
65) Phenanthrene	15.35	178	5132	20.39 ng/ml	91
66) Anthracene	15.43	178	2126m	8.13 ng/ml	
68) Di-n-butyl Phthalate	16.38	149	2487m	7.79 ng/ml	
69) Fluoranthene	17.29	202	16080	51.27 ng/ml	89
72) Pyrene	17.65	202	17662	58.22 ng/ml	82
76) Benz(a)anthracene	19.66	228	9311	31.98 ng/ml	93
77) Chrysene	19.73	228	6684m	23.02 ng/ml	
81) Benzo(b)fluoranthene	22.16	252	14749	53.71 ng/ml	89
83) Benzo(a)pyrene	23.01	252	11503	50.03 ng/ml	72

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

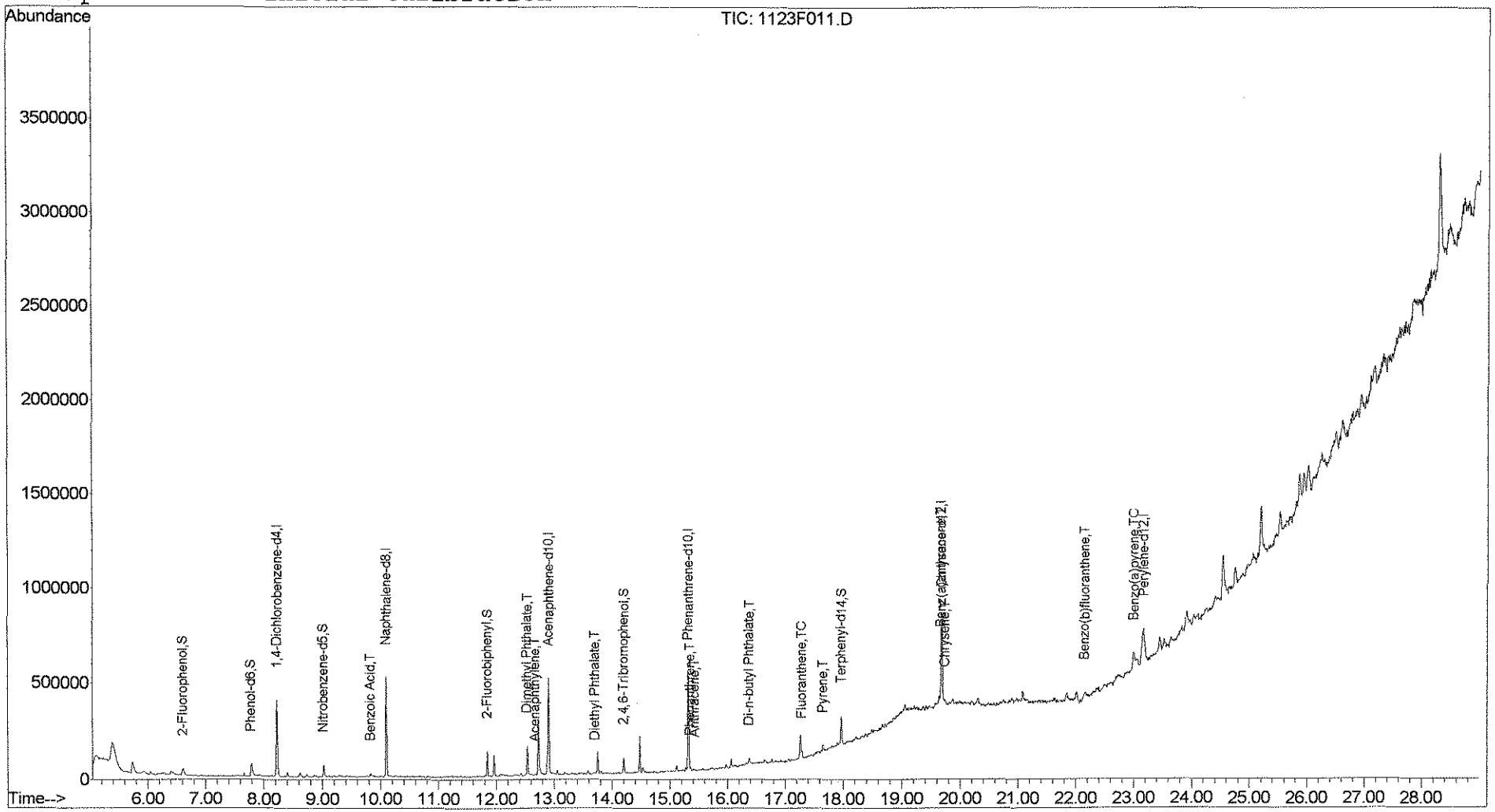
Quantitation Report (QT Reviewed)

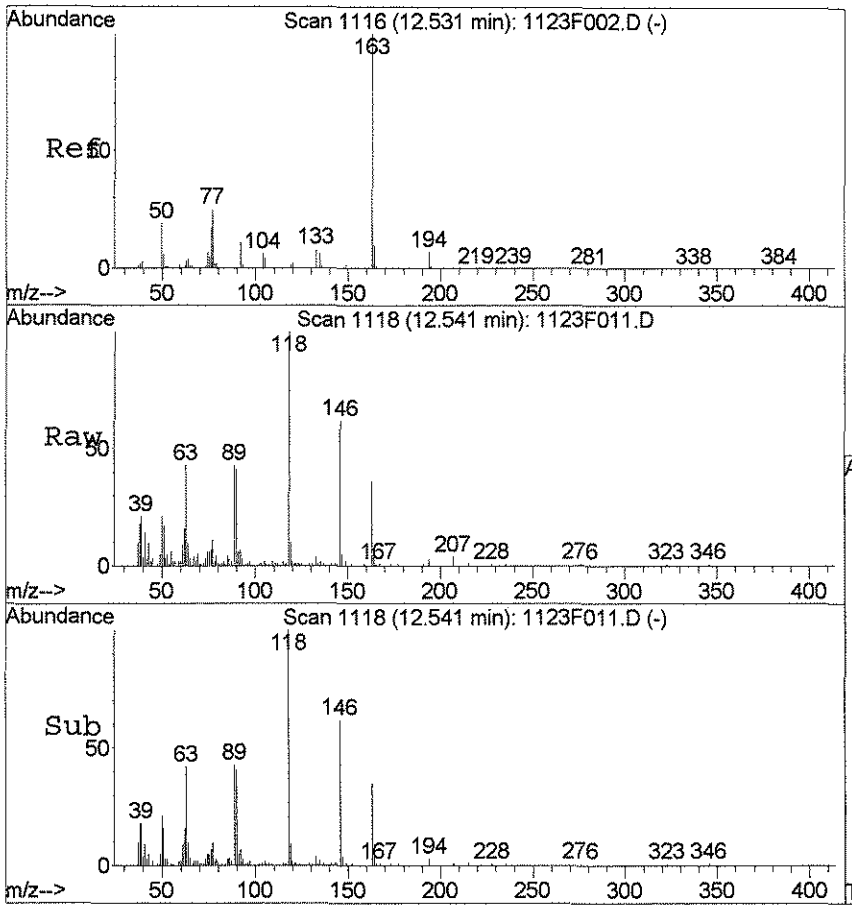
Data File : J:\MS06\DATA\112310\1123F011.D
Acq On : 23 Nov 2010 7:25 pm
Sample : K1012914-002 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:42 2010

Vial: 11
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration

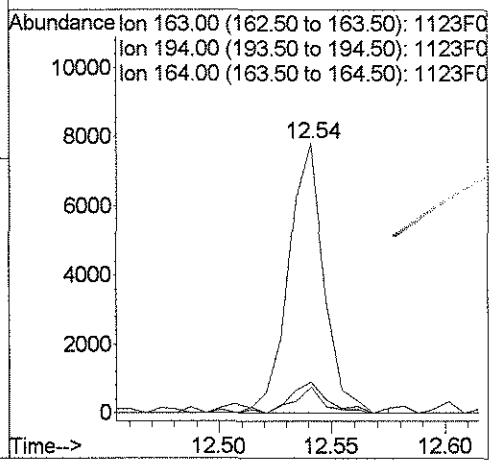


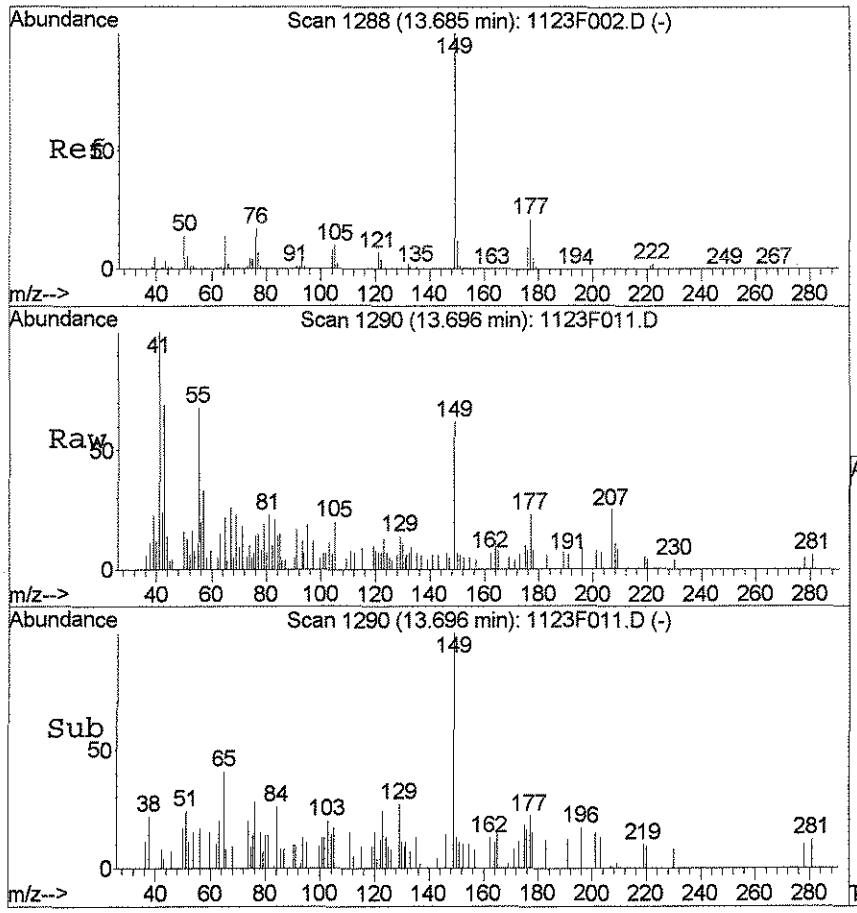


#44
Dimethyl Phthalate
Concen: 43.91 ng/ml
RT: 12.54 min Scan# 1118
Delta R.T. -0.06 min
Lab File: 1123F011.D
Acq: 23 Nov 2010 7:25 pm

Tgt Ion:163 Resp: 8776

Ion	Ratio	Lower	Upper
163	100		
194	9.7	0.0	37.0
164	11.5	0.0	40.1

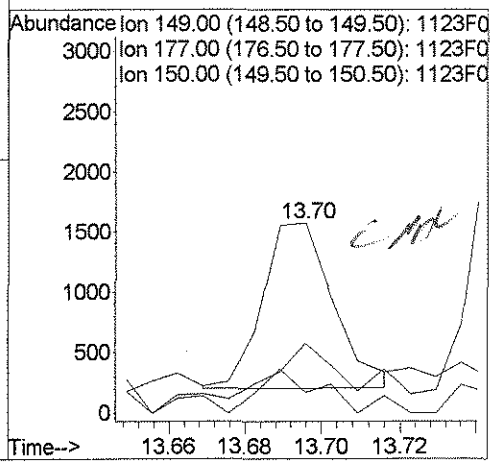


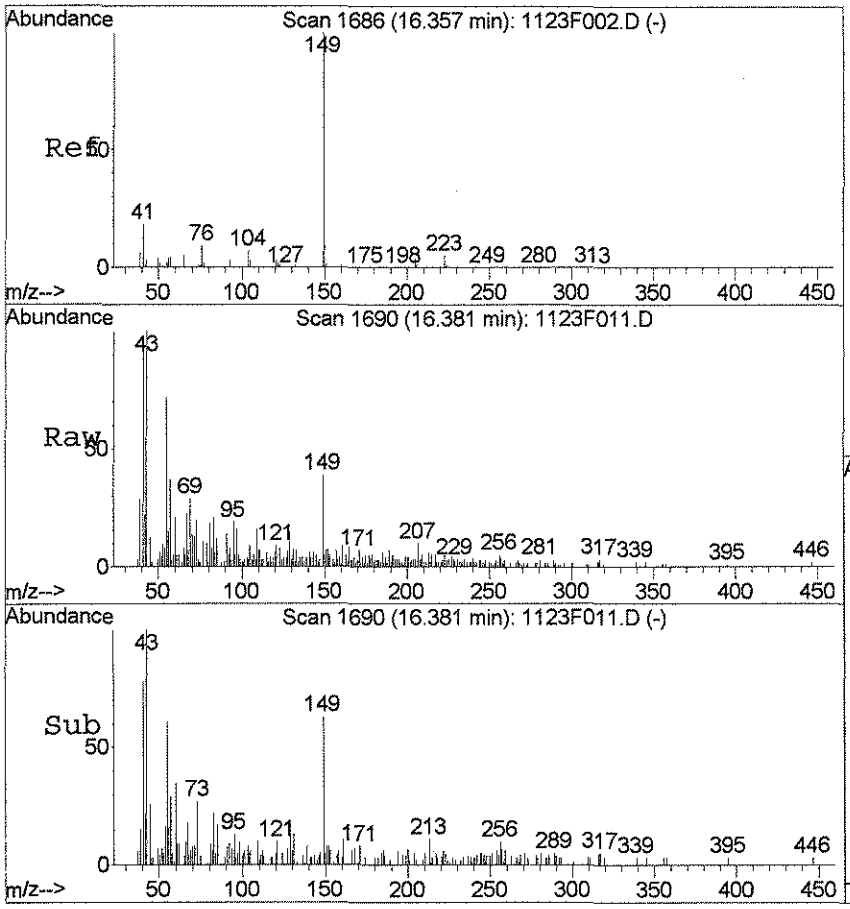


#55
Diethyl Phthalate
Concen: 8.28 ng/ml m
RT: 13.70 min Scan# 1290
Delta R.T. -0.06 min
Lab File: 1123F011.D
Acq: 23 Nov 2010 7:25 pm

Tgt Ion:149 Resp: 1755

Ion	Ratio	Lower	Upper
149	100		
177	36.7	0.0	51.7
150	10.8	0.0	41.7

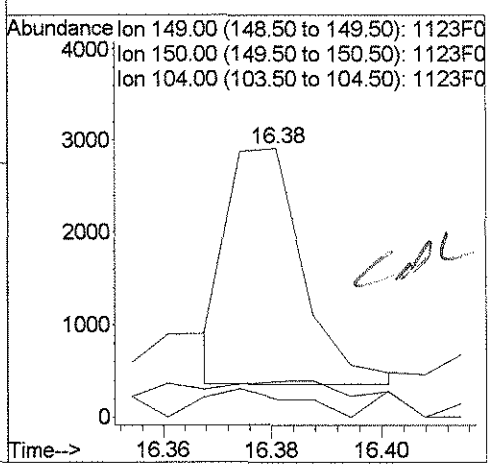


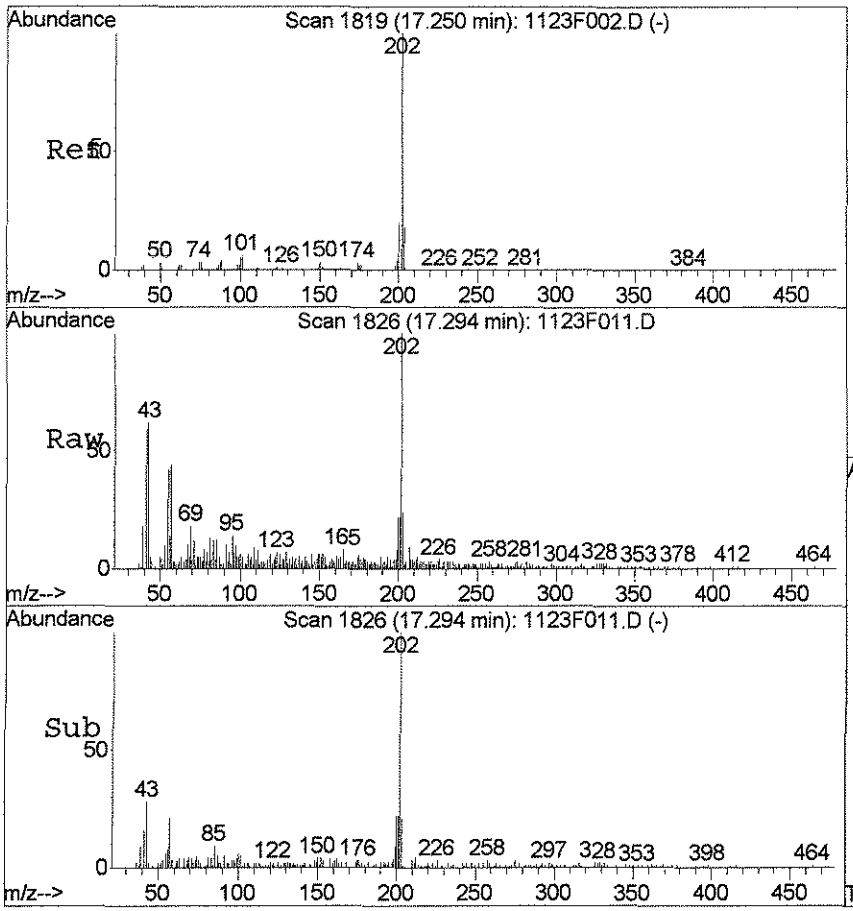


#68
Di-n-butyl Phthalate
Concen: 7.79 ng/ml m
RT: 16.38 min Scan# 1690
Delta R.T. -0.06 min
Lab File: 1123F011.D
Acq: 23 Nov 2010 7:25 pm

Tgt Ion:149 Resp: 2487

Ion	Ratio	Lower	Upper
149	100		
150	13.3	0.0	38.8
104	6.7	0.0	36.3

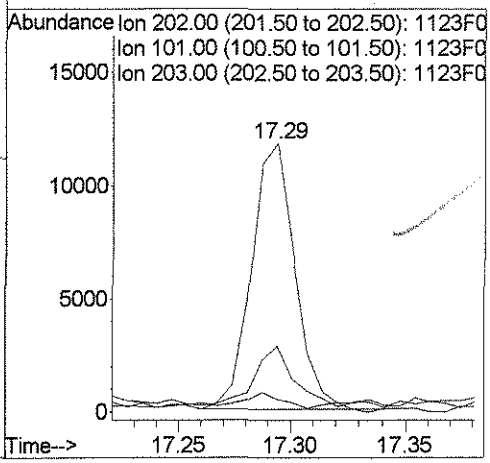


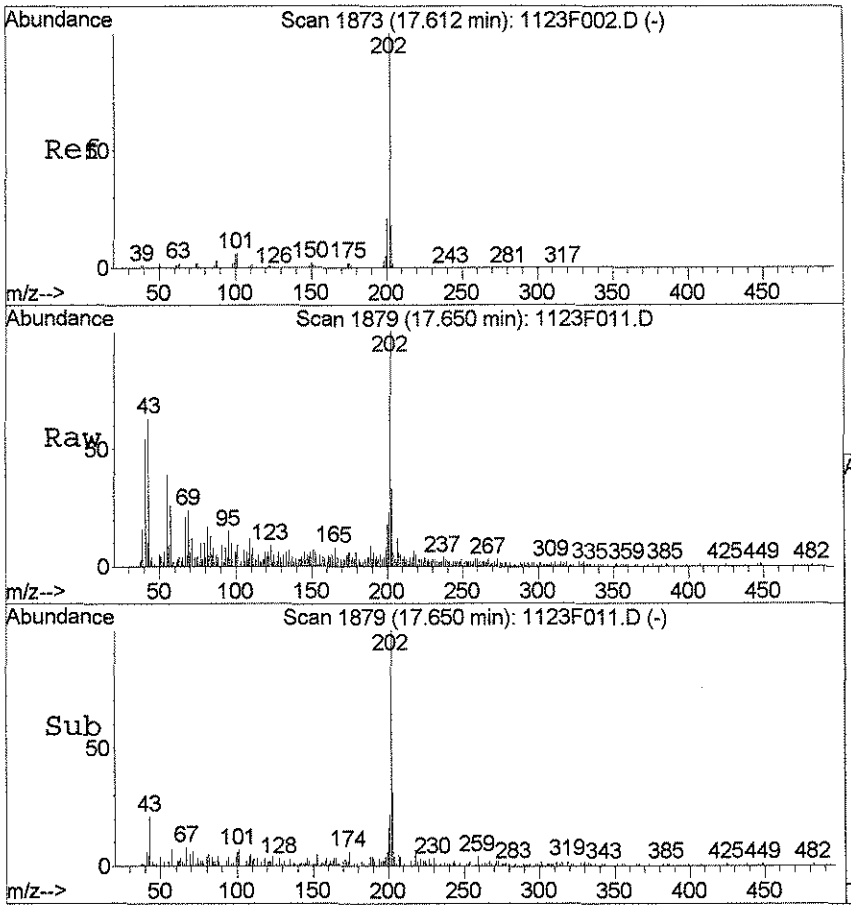


#69
Fluoranthene
Concen: 51.27 ng/ml
RT: 17.29 min Scan# 1826
Delta R.T. -0.04 min
Lab File: 1123F011.D
Acq: 23 Nov 2010 7:25 pm

Tgt Ion:202 Resp: 16080

Ion	Ratio	Lower	Upper
202	100		
101	3.3	0.0	36.1
203	22.2	0.0	47.2

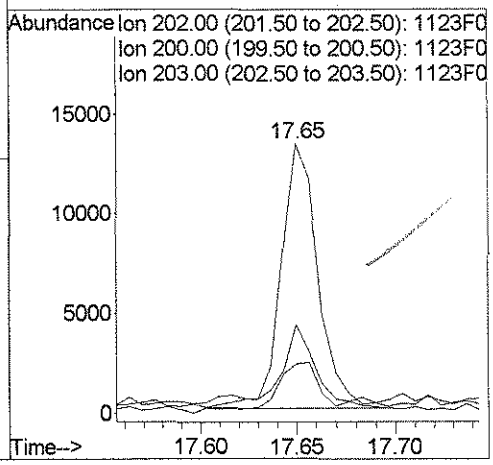


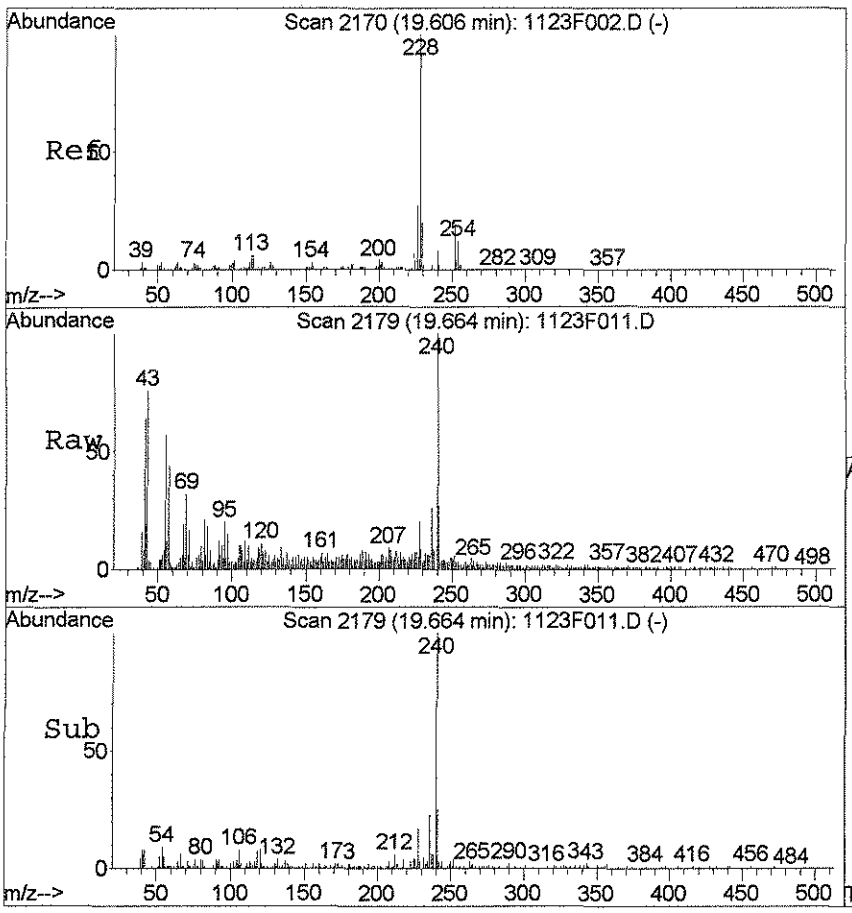


#72
Pyrene
Concen: 58.22 ng/ml
RT: 17.65 min Scan# 1879
Delta R.T. -0.04 min
Lab File: 1123F011.D
Acq: 23 Nov 2010 7:25 pm

Tgt Ion:202 Resp: 17662

Ion	Ratio	Lower	Upper
202	100		
200	16.8	0.0	51.0
203	29.6	0.0	47.0

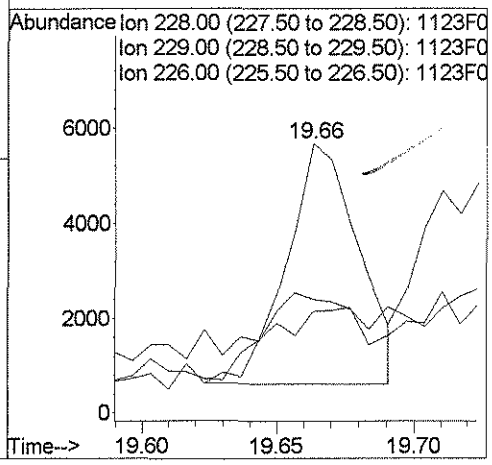


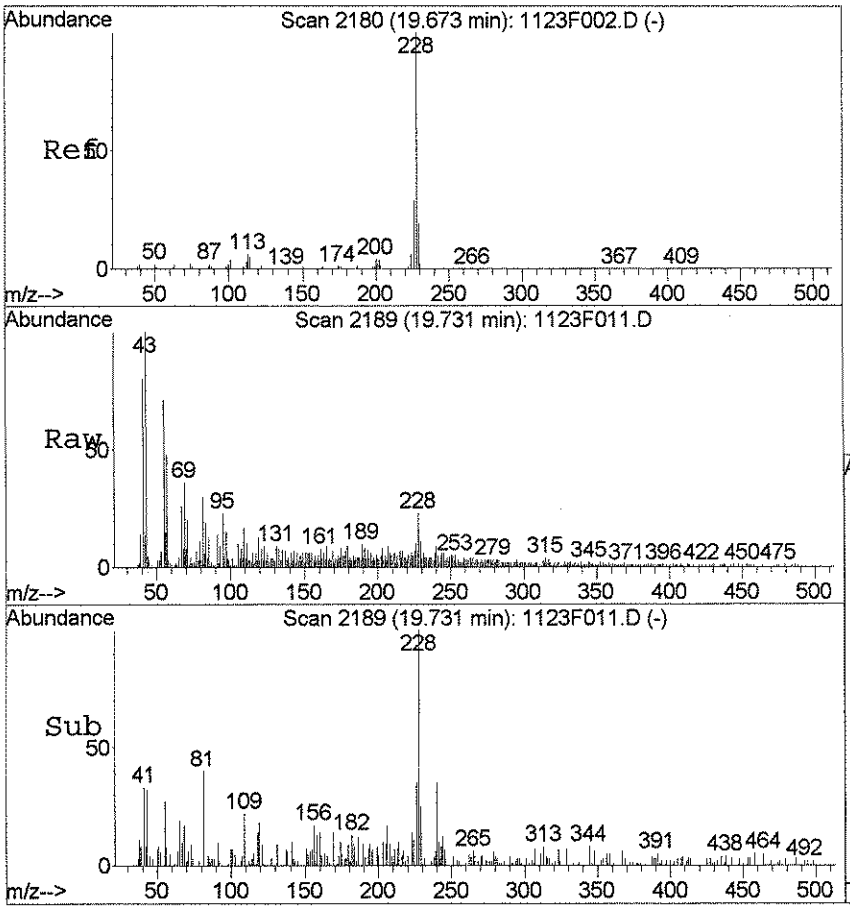


#76
Benz(a)anthracene
Concen: 31.98 ng/ml
RT: 19.66 min Scan# 2179
Delta R.T. -0.04 min
Lab File: 1123F011.D
Acq: 23 Nov 2010 7:25 pm

Tgt Ion:228 Resp: 9311

Ion	Ratio	Lower	Upper
228	100		
229	12.7	0.0	49.4
226	28.1	0.0	57.7

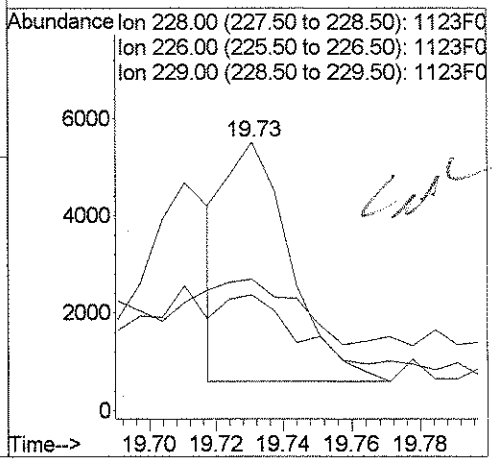


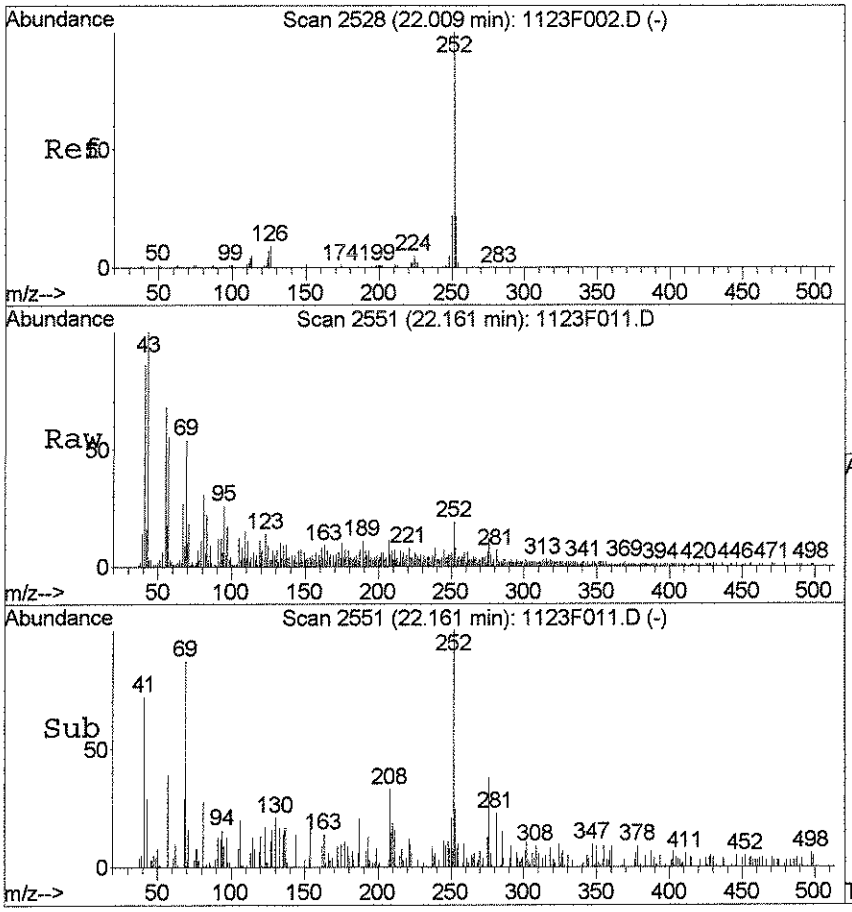


#77
Chrysene
Concen: 23.02 ng/ml m
RT: 19.73 min Scan# 2189
Delta R.T. -0.04 min
Lab File: 1123F011.D
Acq: 23 Nov 2010 7:25 pm

Tgt Ion:228 Resp: 6684

Ion	Ratio	Lower	Upper
228	100		
226	42.8	0.0	58.9
229	48.7	0.0	49.4

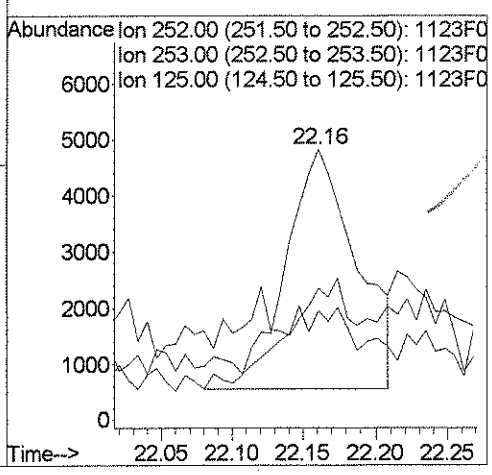


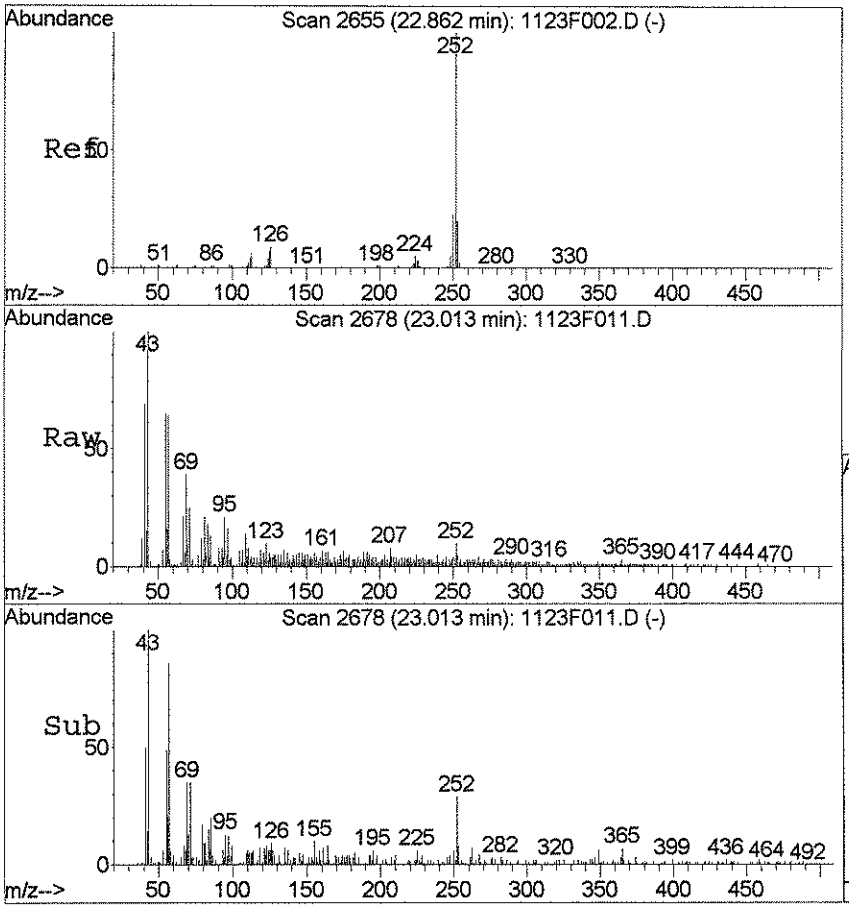


#81
Benzo(b)fluoranthene
Concen: 53.71 ng/ml
RT: 22.16 min Scan# 2551
Delta R.T. -0.00 min
Lab File: 1123F011.D
Acq: 23 Nov 2010 7:25 pm

Tgt Ion:252 Resp: 14749

Ion	Ratio	Lower	Upper
252	100		
253	23.1	0.0	51.0
125	17.6	0.0	36.4

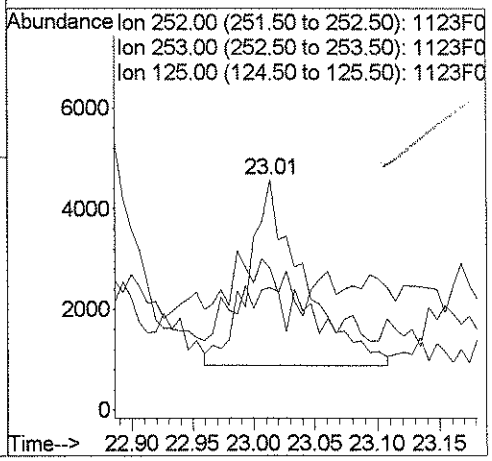




#83
Benzo(a)pyrene
Concen: 50.03 ng/ml
RT: 23.01 min Scan# 2678
Delta R.T. 0.00 min
Lab File: 1123F011.D
Acq: 23 Nov 2010 7:25 pm

Tgt Ion:252 Resp: 11503

Ion	Ratio	Lower	Upper
252	100		
253	29.9	0.0	50.3
125	23.3	0.0	37.0



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	30	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	5.9	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	18	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	5.9	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	5.9	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	5.9	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	5.9	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	5.9	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	5.9	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	30	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	5.9	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	5.9	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	5.9	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	30	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**2.2**	J	5.9	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**75**		5.9	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	5.9	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**2.1**	J	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	59	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**1.8**	J	5.9	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	5.9	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	59	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	5.9	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0009
Lab Code: K1012914-009

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	5.9	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	59	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**25**		5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**6.5**		5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**72**		5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**62**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	5.9	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	59	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**40**		5.9	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**42**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	**7.4**	J	59	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	5.9	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**56**		5.9	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**21**		5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**44**		5.9	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**32**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**6.7**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**34**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	36	11-80	11/23/10	Acceptable
Phenol-d6	54	20-86	11/23/10	Acceptable
Nitrobenzene-d5	73	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	70	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	51	10-119	11/23/10	Acceptable
Terphenyl-d14	101	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry

Analyte Comments

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F007.D
Lab ID: K1012914-009
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/23/2010 16:55
Date Quantitated: 11/24/2010 08:34
Batch ID: KWG1012886
Analysis Method: 8270C
ListJoinID: LJ12105

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: LB 11/24/10

Secondary Review: CO 11/24/10

Quantitation Report

Bottle ID:	03	**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979836	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12105
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112310\1123F007.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 16:55	**Quant Date:**	11/24/2010 08:34	**Vial:**	7
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-009			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.21	0.02	152	87841	1,000.00	OK
2	Naphthalene-d8	10.08	0.01	136	271983	1,000.00	OK
3	Acenaphthene-d10	12.89	0.02	164	139681	1,000.00	OK
4	Phenanthrene-d10	15.29	0.01	188	259904	1,000.00	OK
5	Chrysene-d12	19.64	0.02	240	297401	1,000.00	OK
6	Perylene-d12	23.07	0.07	264	268696	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.58	0.02	0.00	112	118258	1,361	36	11-80	OK
1	Phenol-d6	7.77	0.02	0.00	99	206449	2,025	54	20-86	OK
1	Nitrobenzene-d5	9.01	0.01	0.00	82	212512	1,837	73	27-91	OK
3	2-Fluorobiphenyl	11.83	0.00	0.00	172	399867	1,741	70	25-97	OK
4	2,4,6-Tribromophenol	14.18	0.01	0.00	330	87640	1,931	51	10-119	OK
5	Terphenyl-d14	17.95	0.02	0.00	244	593367	2,529	101	33-129	OK

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0**d**		6.1	U	
1	Bis(2-chloroethyl) Ether				93	0**d**		1.9	U	
1	Phenol				94	0**d**		2.0	U	
1	2-Chlorophenol				128	0		2.0	U	
1	Bis(2-chloroisopropyl) Ether				45	0**d**		2.6	U	
1	Hexachloroethane				117	0**d**		3.1	U	
1	N-Nitrosodi-n-propylamine				70	0**d**		2.4	U	
1	Nitrobenzene				77	0**d**		2.2	U	
2	Isophorone				82	0**d**		1.0	U	
2	2-Nitrophenol				139	0		1.5	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F007.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 16:55	**Quant Date:**	11/24/2010 08:34	**Vial:**	7
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-009			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0**d**		5.5	U	
2	Bis(2-chloroethoxy)methane				93	0		1.5	U	
2	2,4-Dichlorophenol				162	0		1.0	U	
2	Naphthalene	10.11		0.00	128	9366**m**	34.58	2.3	U	
2	Hexachlorobutadiene				225	0		2.5	U	
2	4-Chloro-3-methylphenol				107	0**d**		1.4	U	
3	Hexachlorocyclopentadiene				237	0		29	U	
3	2,4,6-Trichlorophenol				196	0		1.4	U	
3	2-Chloronaphthalene				127	0**d**		1.6	U	
3	Acenaphthylene	12.65	0.01	0.00	152	10220	37.79	2.2	J	
3	Dimethyl Phthalate	12.52	-0.01	0.00	163	279376	1,288	75		
3	2,6-Dinitrotoluene				165	0**d**		2.0	U	
3	Acenaphthene	12.93		0.00	154	5492	35.55	2.1	J	
3	2,4-Dinitrophenol				184	0		17	U	
3	4-Nitrophenol				109	0**d**		18	U	
3	2,4-Dinitrotoluene				165	0**d**		1.5	U	
3	Fluorene	13.78	0.01	0.00	166	6208	31.35	1.8	J	
3	4-Chlorophenyl Phenyl Ether				204	0		1.4	U	
3	Diethyl Phthalate	13.68	-0.01	0.00	149	5006**m**	21.75	1.3	U	
3	2-Methyl-4,6-dinitrophenol				198	0		1.4	U	
3	N-Nitrosodiphenylamine				169	0**d**		1.6	U	
3	Azobenzene				77	0**d**		1.1	U	
4	4-Bromophenyl Phenyl Ether				248	0		1.6	U	
4	Hexachlorobenzene				284	0		1.2	U	
4	Pentachlorophenol				266	0**d**		20	U	
4	Phenanthrene	15.33	0.01	0.00	178	110868	425.57	25		
4	Anthracene	15.41	0.01	0.00	178	30115	111.25	6.5		
4	Di-n-butyl Phthalate	16.36		0.00	149	12233	37.01	7.9	U	
4	Fluoranthene	17.27	0.02	0.00	202	401225	1,236	72		
5	Benzidine				184	0		120	U	
5	Pyrene	17.62	0.01	0.00	202	342614	1,069	62		
5	Butyl Benzyl Phthalate				149	0**d**		3.2	U	
5	3,3'-Dichlorobenzidine				252	0**d**		3.7	U	
5	Benz(a)anthracene	19.63	0.02	0.00	228	211412	687.29	40		
5	Chrysene	19.69	0.02	0.00	228	219091	714.34	42		
5	Bis(2-ethylhexyl) Phthalate	19.84	0.01	0.00	149	23683**m**	127.55	7.4	J	
6	Di-n-octyl Phthalate				149	0**d**		1.7	U	
6	Benzo(b)fluoranthene	22.06	0.05	0.00	252	277851	963.29	56		
6	Benzo(k)fluoranthene	22.13	0.03	0.00	252	110033	359.60	21		
6	Benzo(a)pyrene	22.91	0.05	0.00	252	184678	764.72	44		
6	Indeno(1,2,3-cd)pyrene	25.51	0.08	0.00	276	121359**m**	557.67	32		
6	Dibenz(a,h)anthracene	25.57	0.07	0.00	278	26144	114.40	6.7		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F007.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 16:55	**Quant Date:**	11/24/2010 08:34	**Vial:**	7
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-009			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene	26.01	0.09	0.00	276	141564	590.59	34		

Prep Amount:	40.281 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	85.4 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F007.D Vial: 7
Acq On : 23 Nov 2010 4:55 pm Operator: KBailey
Sample : K1012914-009 Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:14 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	87841	1000.00	ng/ml	-0.07
22) Naphthalene-d8	10.08	136	271983	1000.00	ng/ml	-0.07
36) Acenaphthene-d10	12.89	164	139681	1000.00	ng/ml	-0.06
60) Phenanthrene-d10	15.29	188	259904	1000.00	ng/ml	-0.07
70) Chrysene-d12	19.64	240	297401	1000.00	ng/ml	-0.08
79) Perylene-d12	23.07	264	268696	1000.00	ng/ml	-0.08
System Monitoring Compounds						
4) 2-Fluorophenol	6.58	112	118258	1361.37	ng/ml	-0.06
Spiked Amount 3750.000	Range 38 - 110		Recovery = 36.30%#			
6) Phenol-d6	7.77	99	206449	2025.05	ng/ml	-0.04
Spiked Amount 3750.000	Range 43 - 128		Recovery = 54.00%			
20) Nitrobenzene-d5	9.01	82	212512	1836.84	ng/ml	-0.07
Spiked Amount 2500.000	Range 30 - 139		Recovery = 73.47%			
40) 2-Fluorobiphenyl	11.83	172	399867	1741.24	ng/ml	-0.07
Spiked Amount 2500.000	Range 37 - 126		Recovery = 69.65%			
61) 2,4,6-Tribromophenol	14.18	330	87640	1930.84	ng/ml	-0.06
Spiked Amount 3750.000	Range 38 - 157		Recovery = 51.49%			
73) Terphenyl-d14	17.95	244	593367	2528.74	ng/ml	-0.07
Spiked Amount 2500.000	Range 54 - 158		Recovery = 101.15%			

Target Compounds						Qvalue
13) Benzyl Alcohol	8.43	108	1795	34.56	ng/ml#	78
16) Acetophenone	8.81	105	3900	31.72	ng/ml	93
30) Naphthalene	10.11	128	9366m	34.58	ng/ml	
34) 2-Methylnaphthalene	11.21	141	3487	22.70	ng/ml	88
35) 1-Methylnaphthalene	11.37	141	1541m	9.72	ng/ml	
43) Acenaphthylene	12.65	152	10220	37.79	ng/ml	97
44) Dimethyl Phthalate	12.52	163	279376	1287.67	ng/ml	99
46) Acenaphthene	12.93	154	5492	35.55	ng/ml	87
49) Dibenzofuran	13.22	168	3420	13.48	ng/ml	93
53) Fluorene	13.78	166	6208	31.35	ng/ml	89
55) Diethyl Phthalate	13.68	149	5006m	21.75	ng/ml	
65) Phenanthrene	15.33	178	110868	425.57	ng/ml	97
66) Anthracene	15.41	178	30115	111.25	ng/ml	99
67) Carbazole	15.71	167	15955m	67.43	ng/ml	
68) Di-n-butyl Phthalate	16.36	149	12233	37.01	ng/ml	96
69) Fluoranthene	17.27	202	401225	1235.82	ng/ml	99
72) Pyrene	17.62	202	342614	1069.03	ng/ml	94
76) Benz(a)anthracene	19.63	228	211412	687.29	ng/ml	99
77) Chrysene	19.69	228	219091	714.34	ng/ml	98
78) Bis(2-ethylhexyl) Phthalat	19.84	149	23683m	127.55	ng/ml	

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F007.D
Acq On : 23 Nov 2010 4:55 pm
Sample : K1012914-009
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:14 2010

Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
81)	Benzo(b)fluoranthene	22.06	252	277851	963.29 ng/ml	97
82)	Benzo(k)fluoranthene	22.13	252	110033	359.60 ng/ml	100
83)	Benzo(a)pyrene	22.91	252	184678	764.72 ng/ml	94
84)	Indeno(1,2,3-cd)pyrene	25.51	276	121359m	557.67 ng/ml	
85)	Dibenz(a,h)anthracene	25.57	278	26144	114.40 ng/ml	88
86)	Benzo(g,h,i)perylene	26.01	276	141564	590.59 ng/ml	96

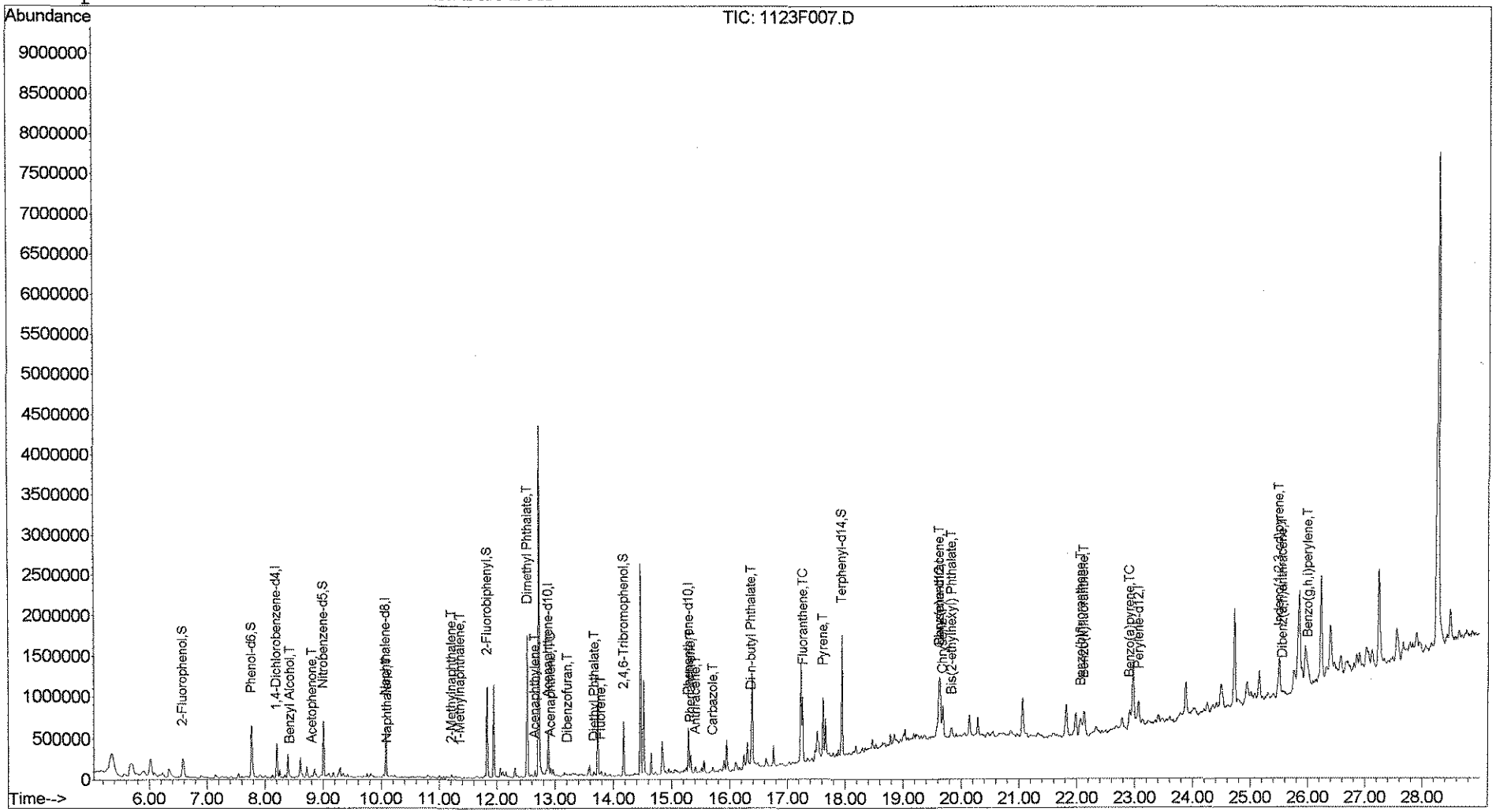
(#) = qualifier out of range (m) = manual integration

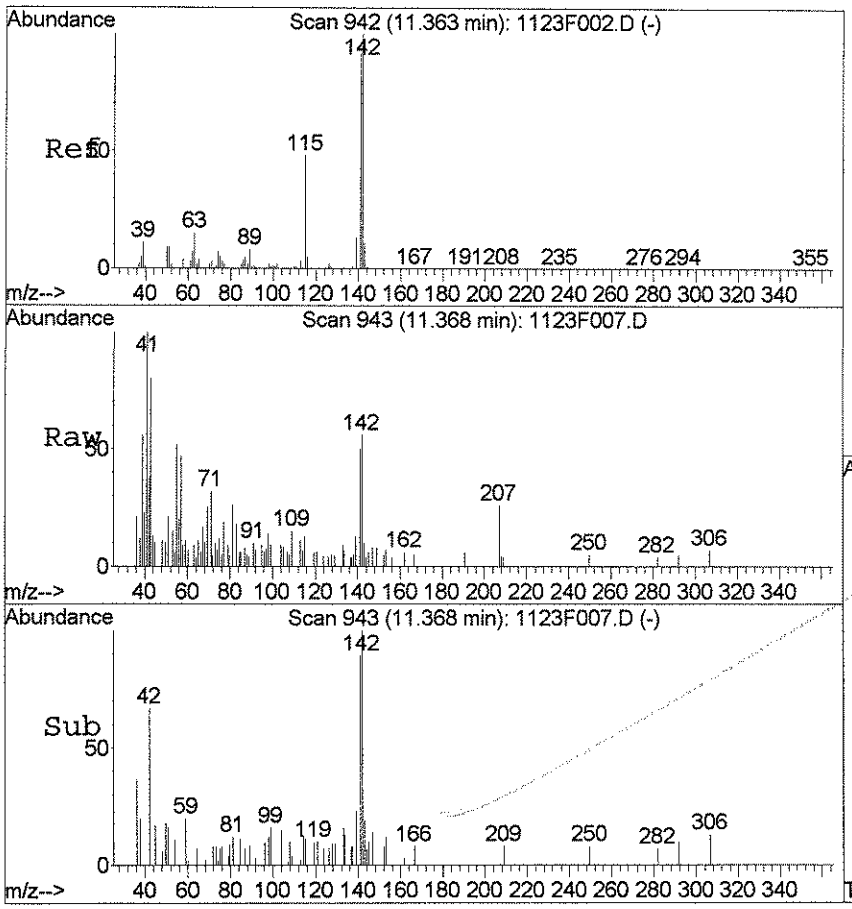
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F007.D
Acq On : 23 Nov 2010 4:55 pm
Sample : K1012914-009
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:34 2010

Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration

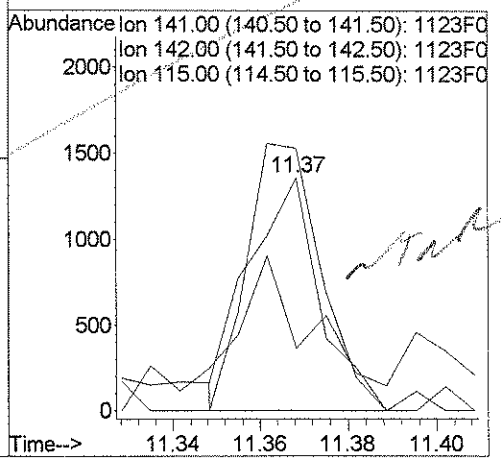


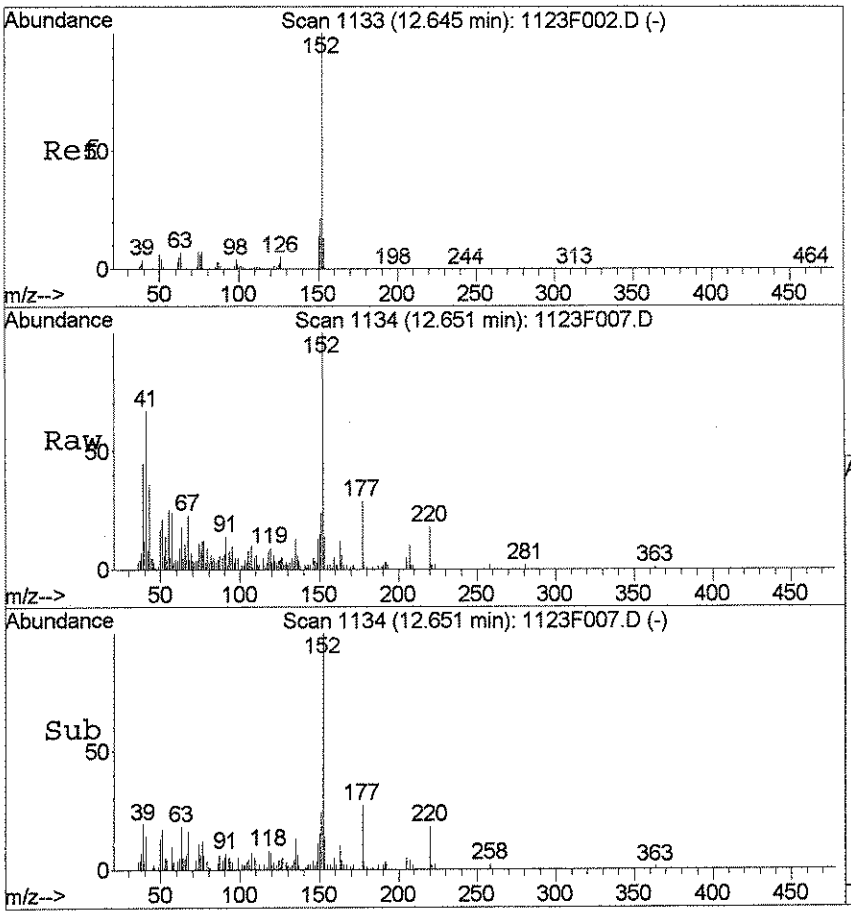


#35
1-Methylnaphthalene
Concen: 9.72 ng/ml m
RT: 11.37 min Scan# 943
Delta R.T. -0.07 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:141 Resp: 1541

Ion	Ratio	Lower	Upper
141	100		
142	112.4	76.4	142.0
115	26.9	38.3	71.1#

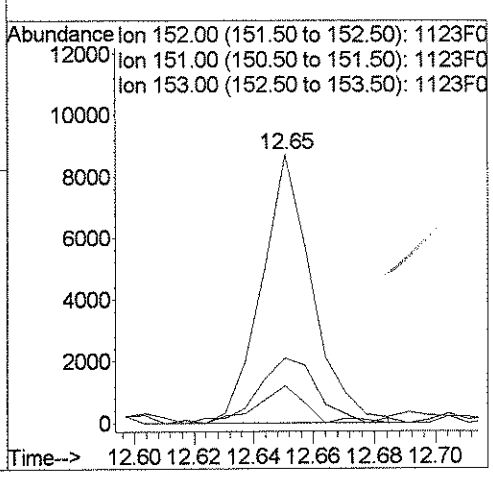


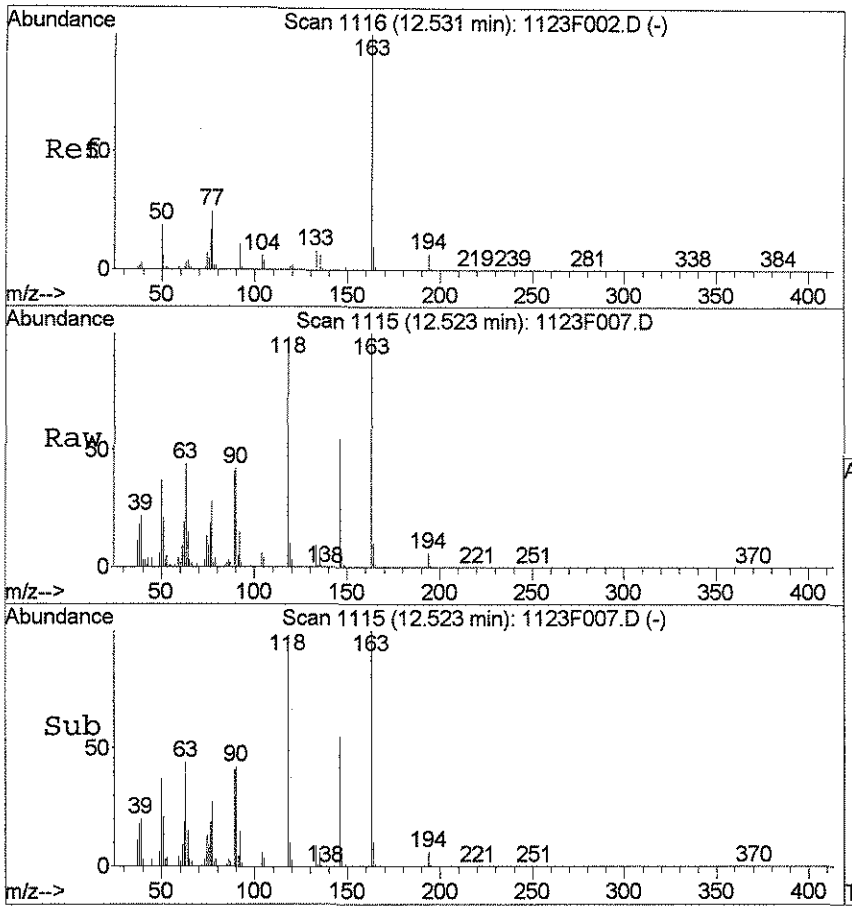


#43
Acenaphthylene
Concen: 37.79 ng/ml
RT: 12.65 min Scan# 1134
Delta R.T. -0.07 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:152 Resp: 10220

Ion	Ratio	Lower	Upper
152	100		
151	22.2	0.0	50.8
153	13.8	0.0	42.8

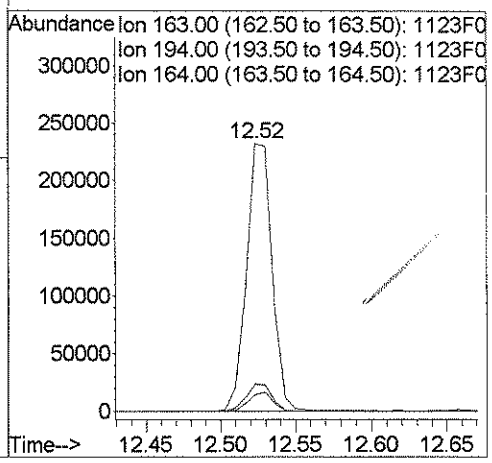


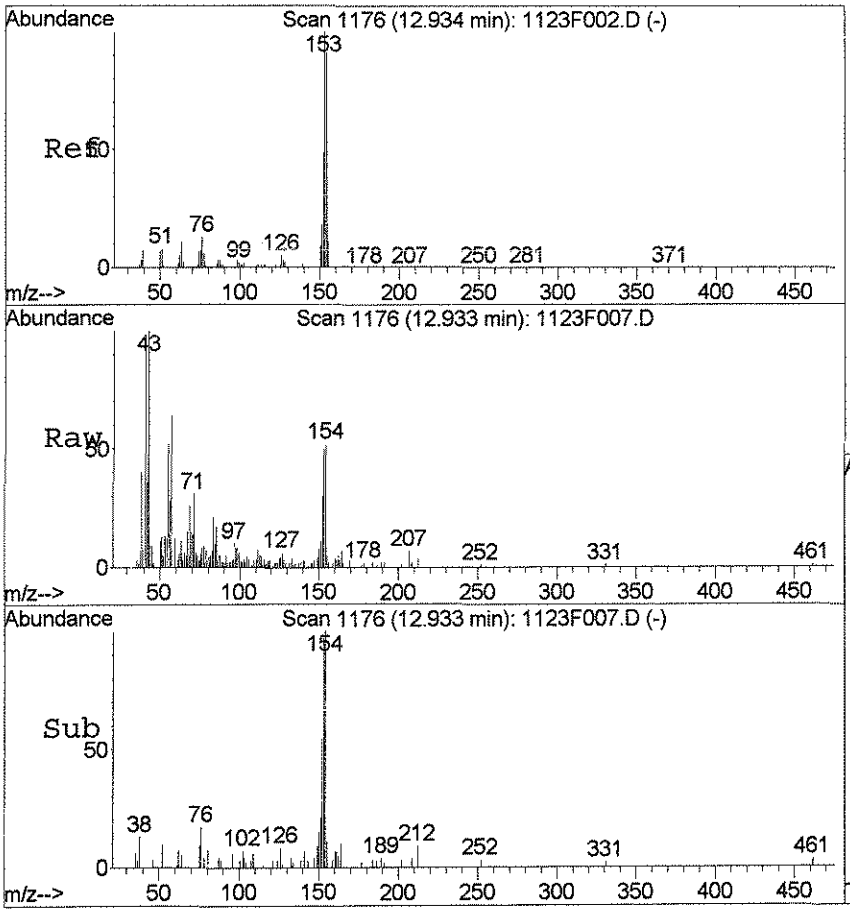


#44
Dimethyl Phthalate
Concen: 1287.67 ng/ml
RT: 12.52 min Scan# 1115
Delta R.T. -0.08 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:163 Resp: 279376

Ion	Ratio	Lower	Upper
163	100		
194	6.3	0.0	37.0
164	10.1	0.0	40.1

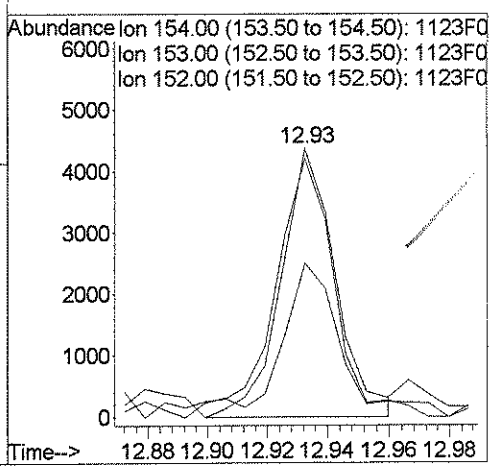


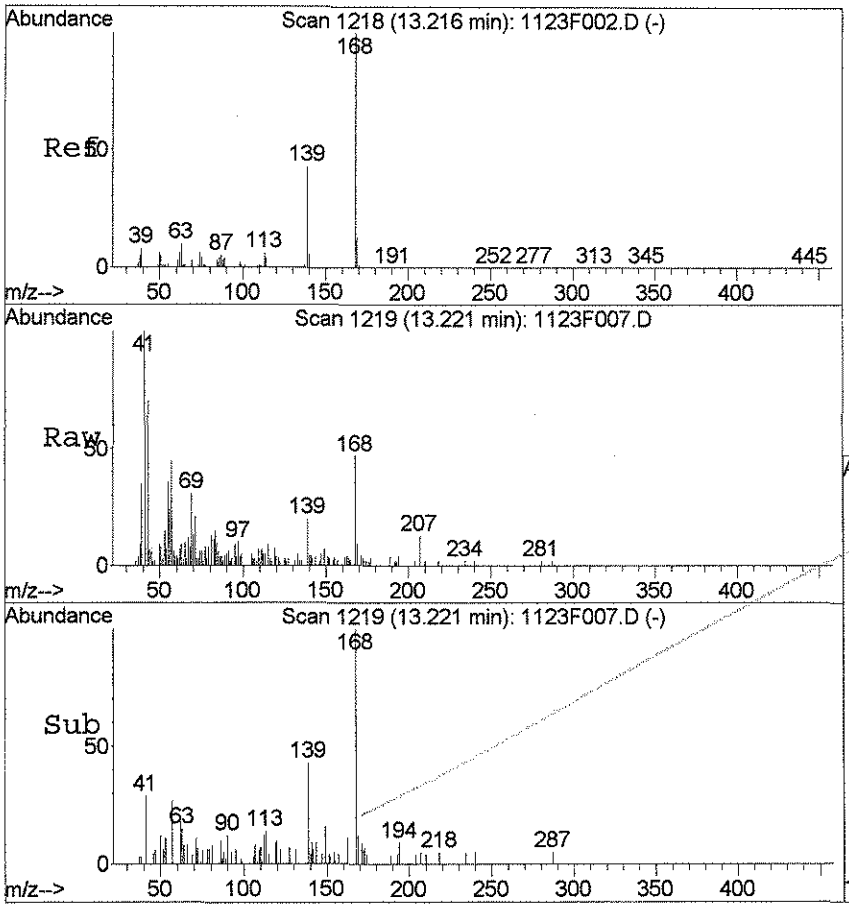


#46
Acenaphthene
Concen: 35.55 ng/ml
RT: 12.93 min Scan# 1176
Delta R.T. -0.08 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:154 Resp: 5492

Ion	Ratio	Lower	Upper
154	100		
153	90.3	79.9	139.9
152	51.9	23.4	83.4

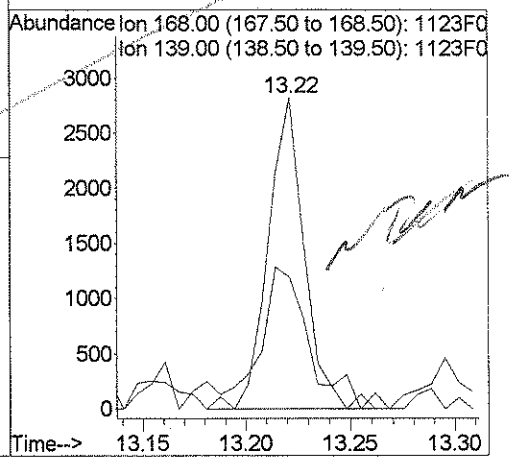


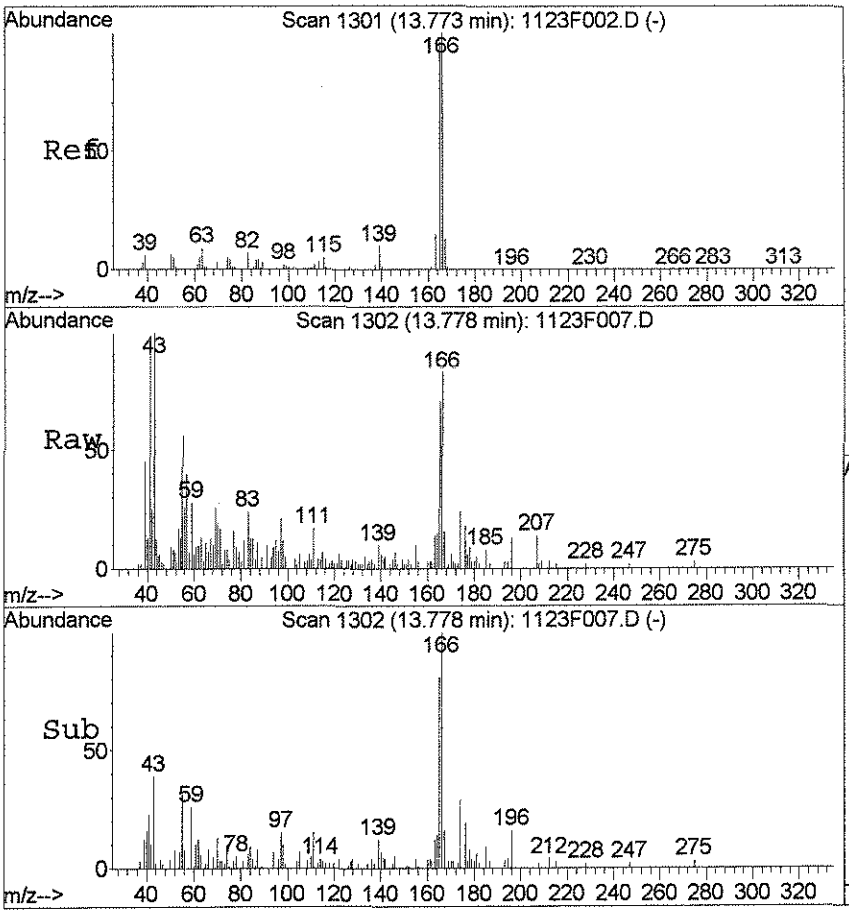


#49
Dibenzofuran
Concen: 13.48 ng/ml
RT: 13.22 min Scan# 1219
Delta R.T. -0.07 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:168 Resp: 3420

Ion	Ratio	Lower	Upper
168	100		
139	42.2	16.6	76.6

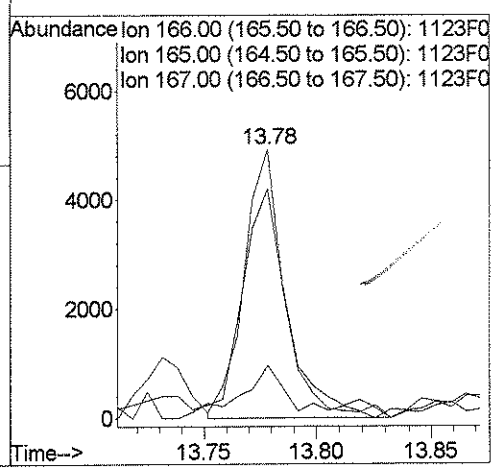


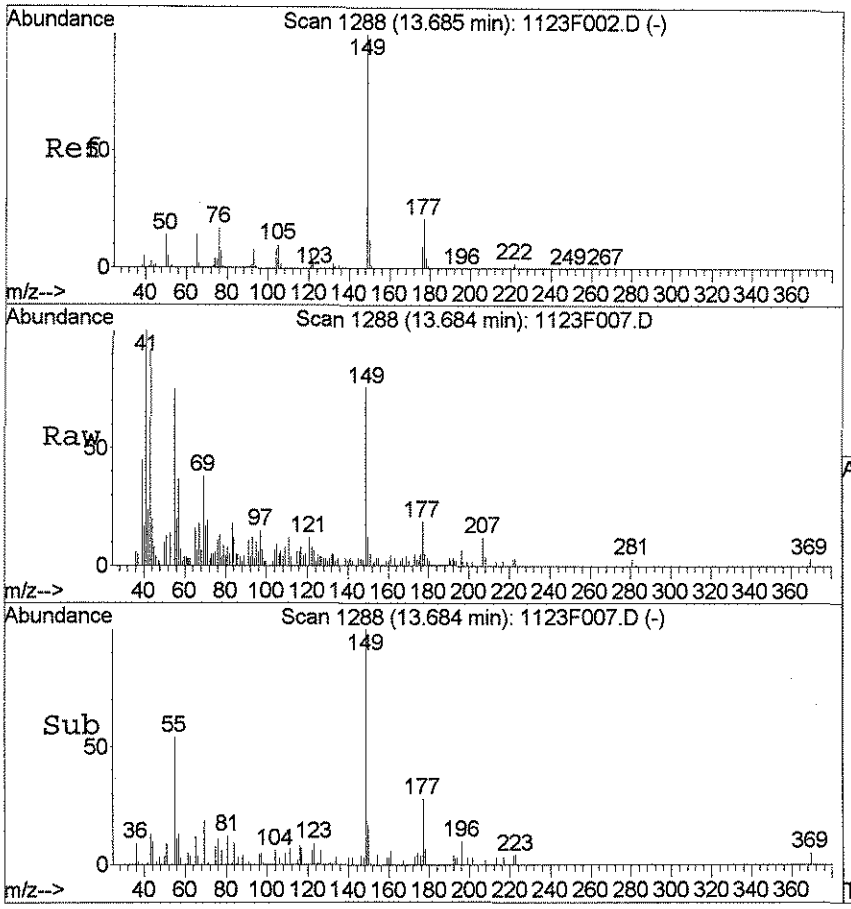


#53
Fluorene
Concen: 31.35 ng/ml
RT: 13.78 min Scan# 1302
Delta R.T. -0.07 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:166 Resp: 6208

Ion	Ratio	Lower	Upper
166	100		
165	85.2	66.5	126.5
167	16.2	0.0	43.3

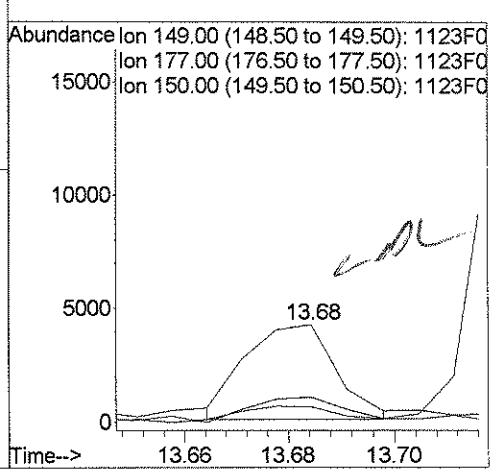


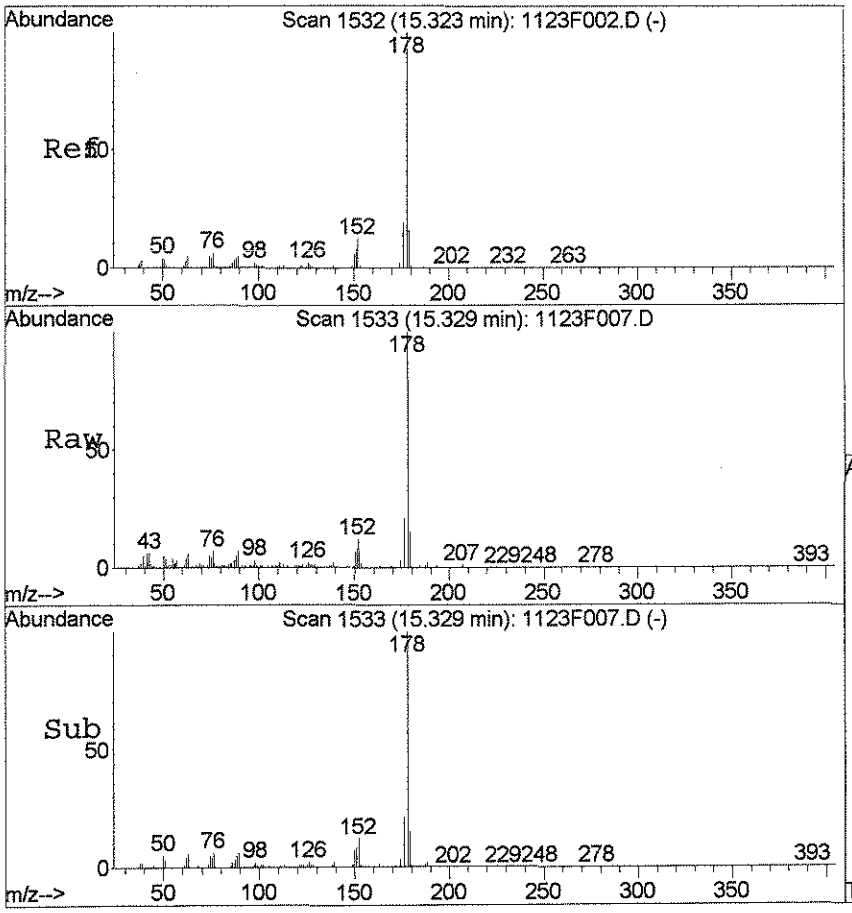


#55
Diethyl Phthalate
Concen: 21.75 ng/ml m
RT: 13.68 min Scan# 1288
Delta R.T. -0.08 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:149 Resp: 5006

Ion	Ratio	Lower	Upper
149	100		
177	25.4	0.0	51.7
150	15.8	0.0	41.7

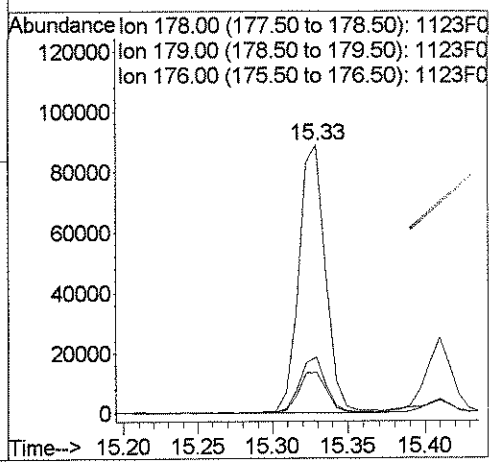


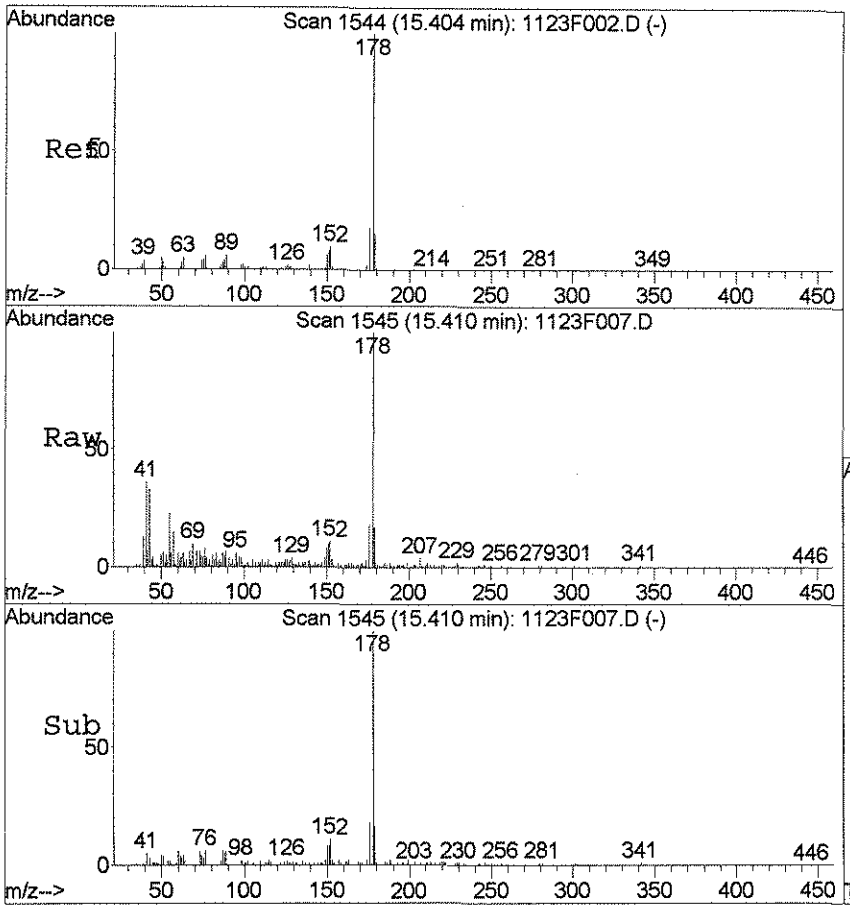


#65
Phenanthrene
Concen: 425.57 ng/ml
RT: 15.33 min Scan# 1533
Delta R.T. -0.07 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:178 Resp: 110868

Ion	Ratio	Lower	Upper
178	100		
179	14.9	0.0	45.6
176	20.8	0.0	49.0

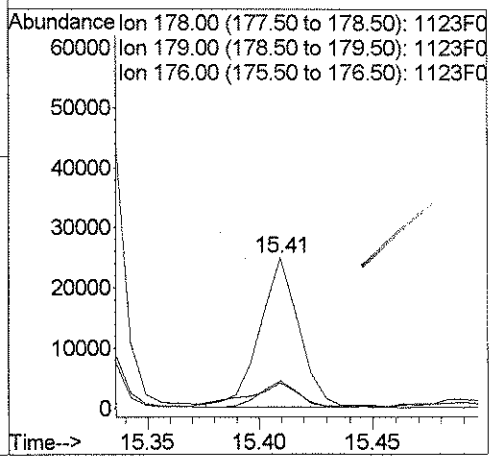


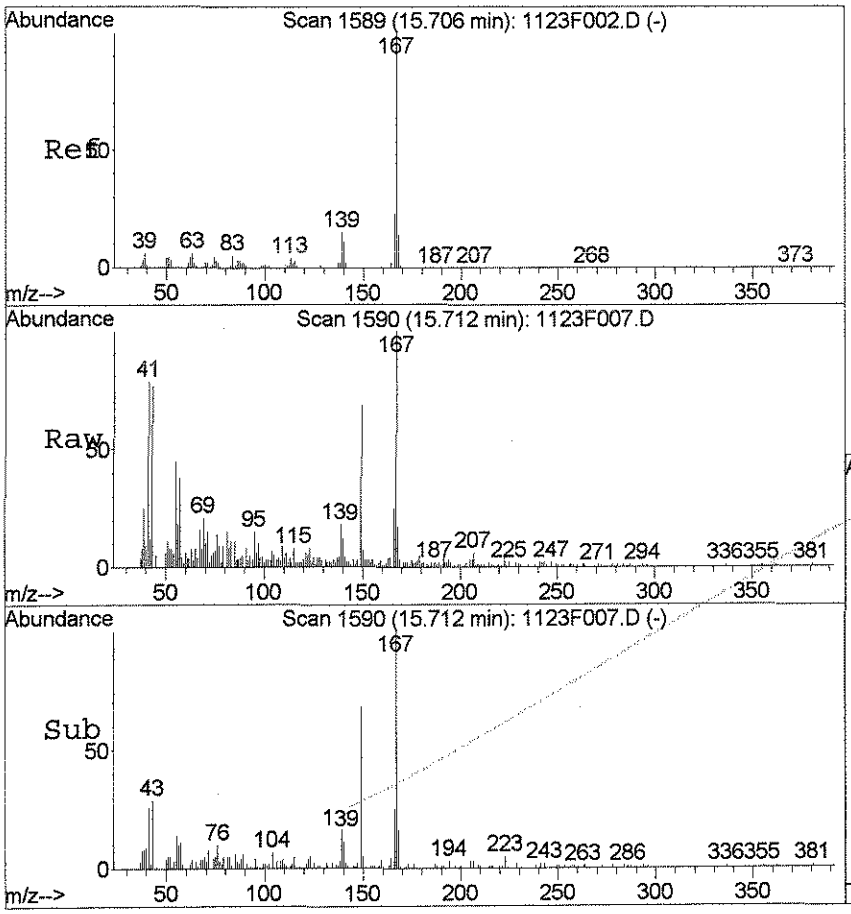


#66
Anthracene
Concen: 111.25 ng/ml
RT: 15.41 min Scan# 1545
Delta R.T. -0.08 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:178 Resp: 30115

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	45.9
176	17.5	0.0	48.4

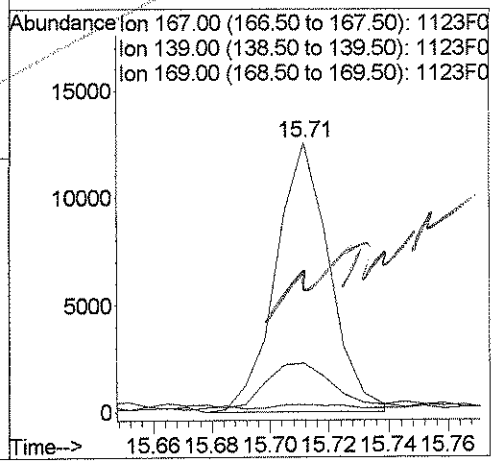


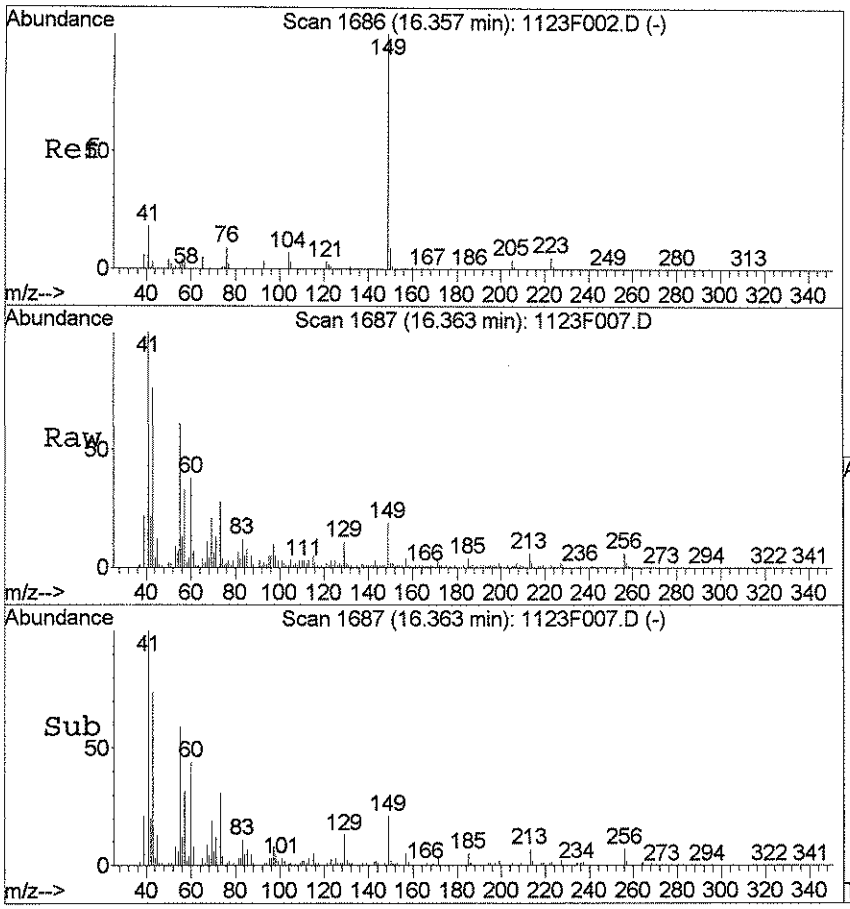


#67
Carbazole
Concen: 67.43 ng/ml m
RT: 15.71 min Scan# 1590
Delta R.T. -0.07 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:167 Resp: 15955

Ion	Ratio	Lower	Upper
167	100		
139	18.2	0.0	44.6
169	2.8	0.0	30.9

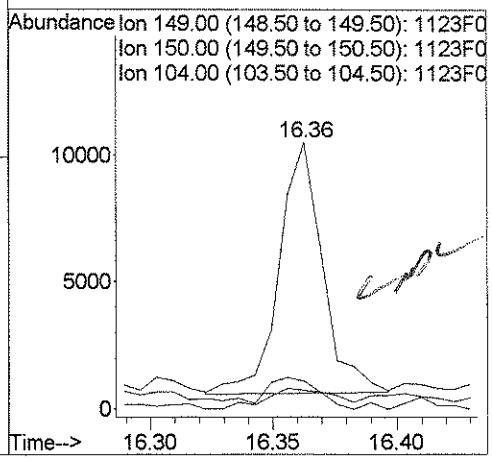


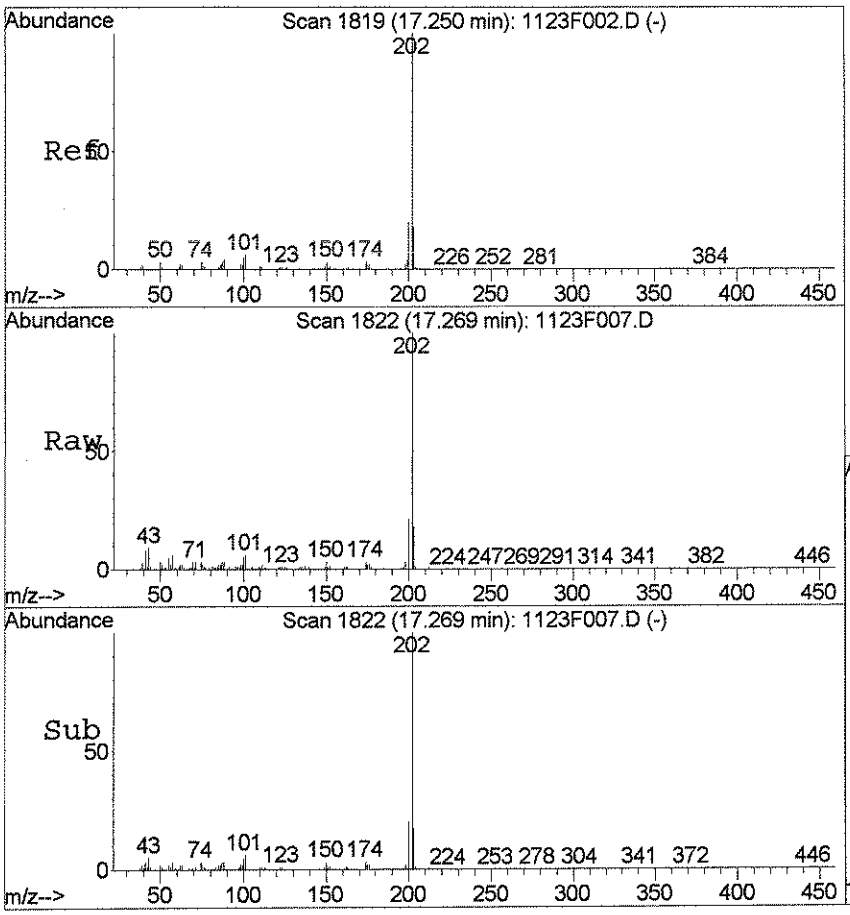


#68
Di-n-butyl Phthalate
Concen: 37.01 ng/ml
RT: 16.36 min Scan# 1687
Delta R.T. -0.08 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:149 Resp: 12233

Ion	Ratio	Lower	Upper
149	100		
150	6.9	0.0	38.8
104	7.5	0.0	36.3

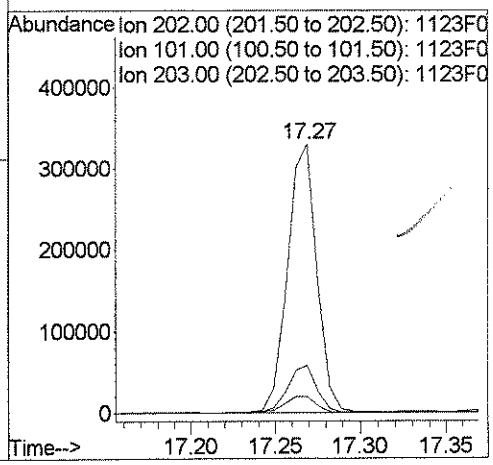


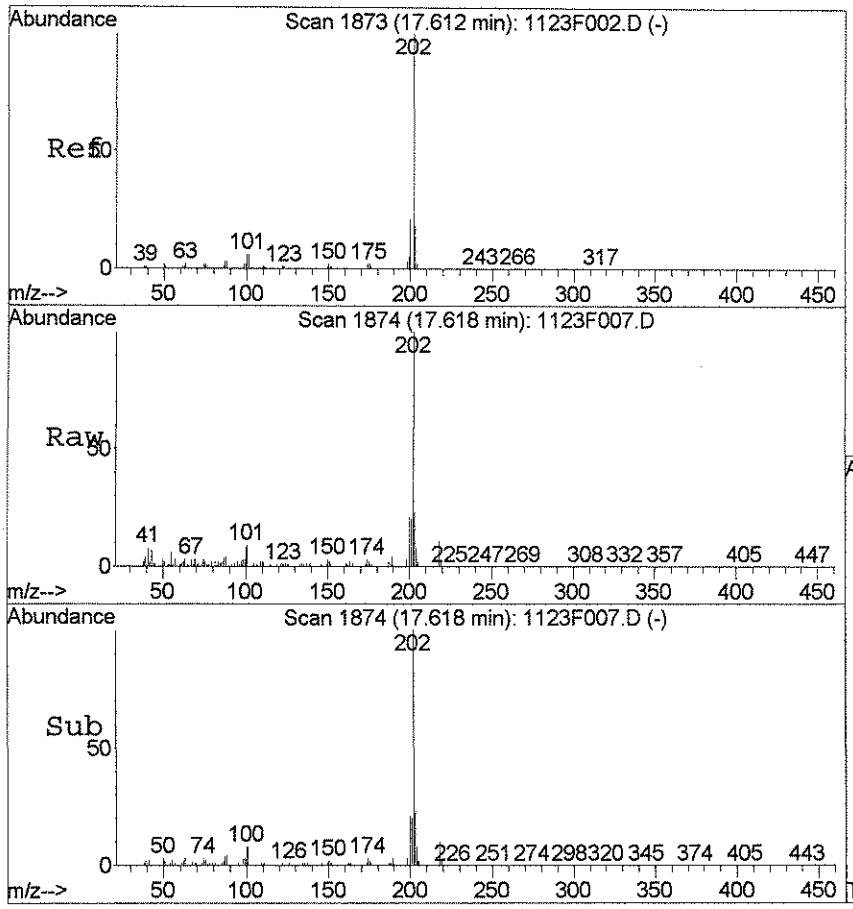


#69
Fluoranthene
Concen: 1235.82 ng/ml
RT: 17.27 min Scan# 1822
Delta R.T. -0.06 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:202 Resp: 401225

Ion	Ratio	Lower	Upper
202	100		
101	6.1	0.0	36.1
203	17.5	0.0	47.2

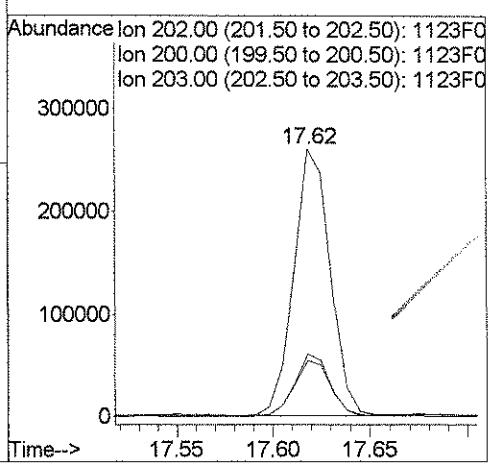


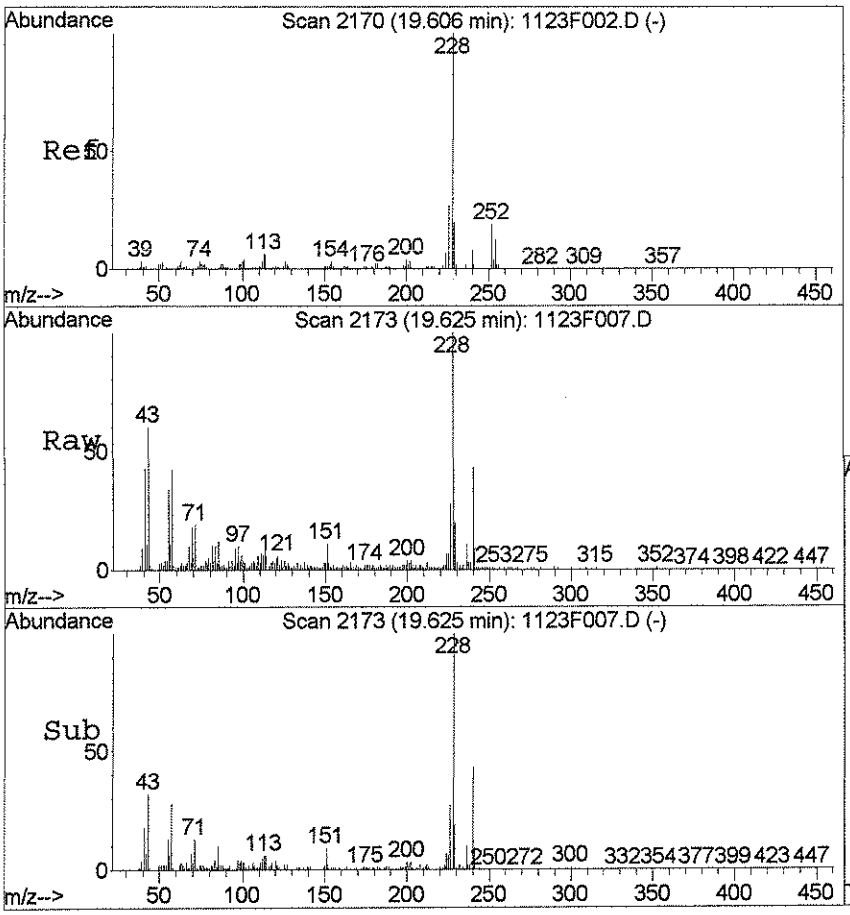


#72
Pyrene
Concen: 1069.03 ng/ml
RT: 17.62 min Scan# 1874
Delta R.T. -0.08 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:202 Resp: 342614

Ion	Ratio	Lower	Upper
202	100		
200	20.9	0.0	51.0
203	23.0	0.0	47.0

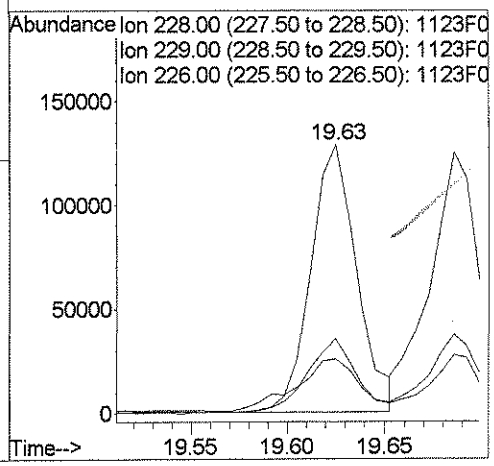


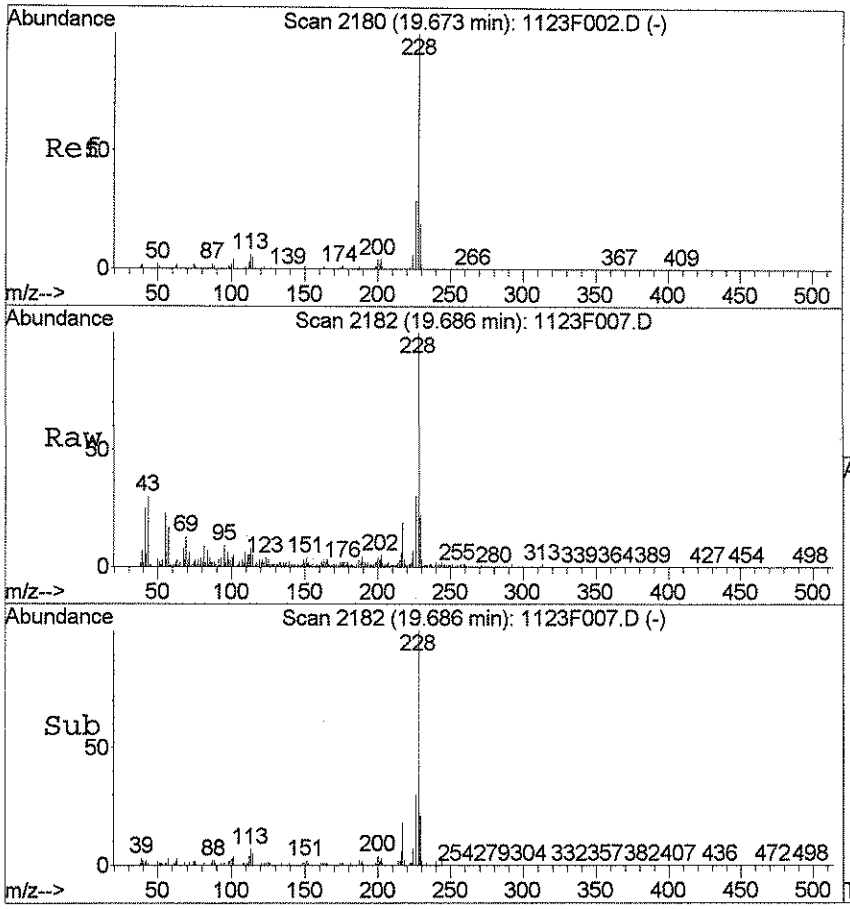


#76
Benz(a)anthracene
Concen: 687.29 ng/ml
RT: 19.63 min Scan# 2173
Delta R.T. -0.08 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:228 Resp: 211412

Ion	Ratio	Lower	Upper
228	100		
229	19.2	0.0	49.4
226	27.2	0.0	57.7

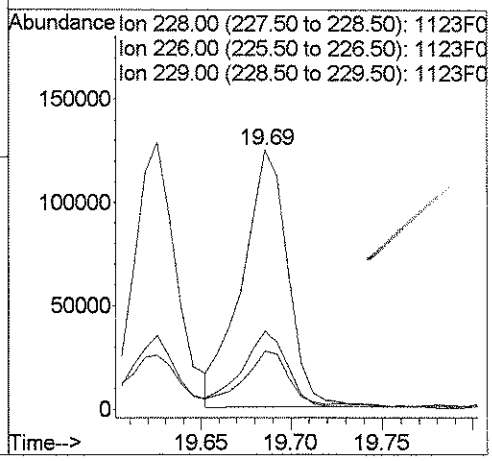


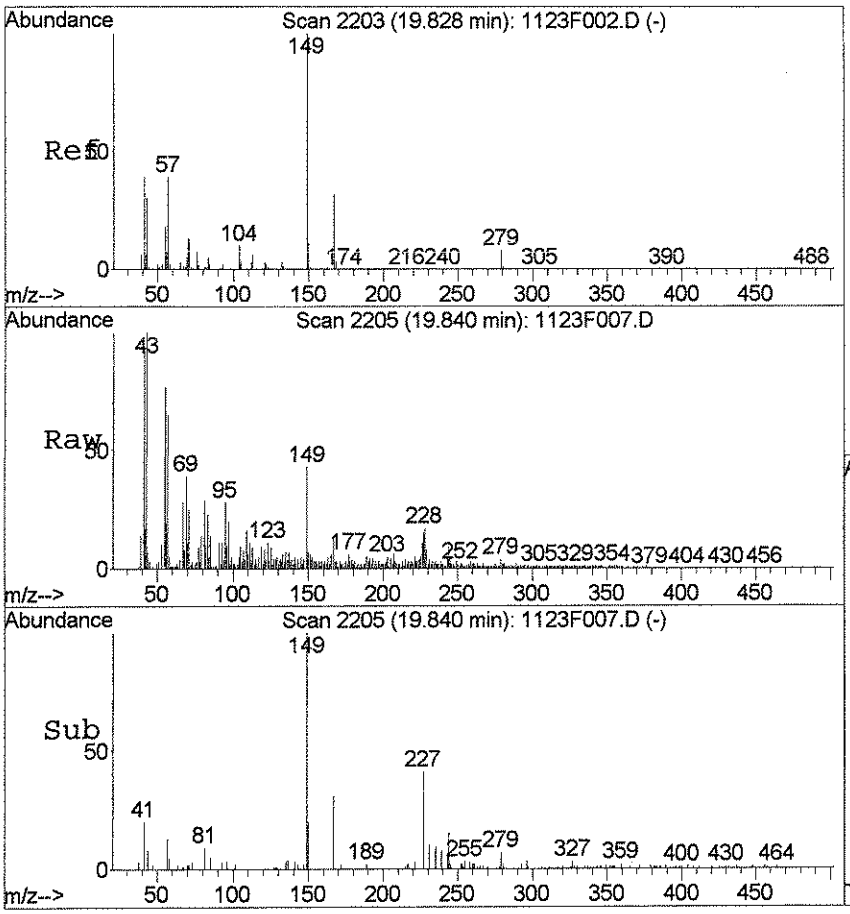


#77
Chrysene
Concen: 714.34 ng/ml
RT: 19.69 min Scan# 2182
Delta R.T. -0.09 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:228 Resp: 219091

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	58.9
229	21.3	0.0	49.4

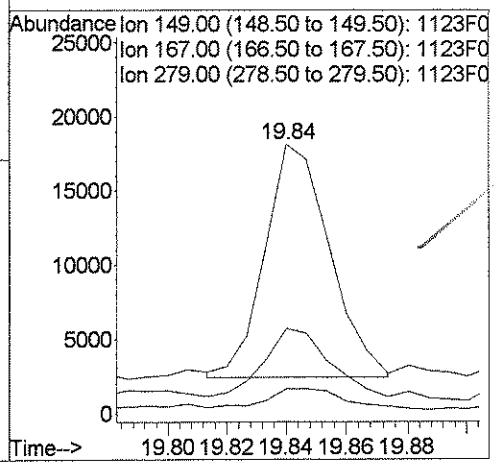


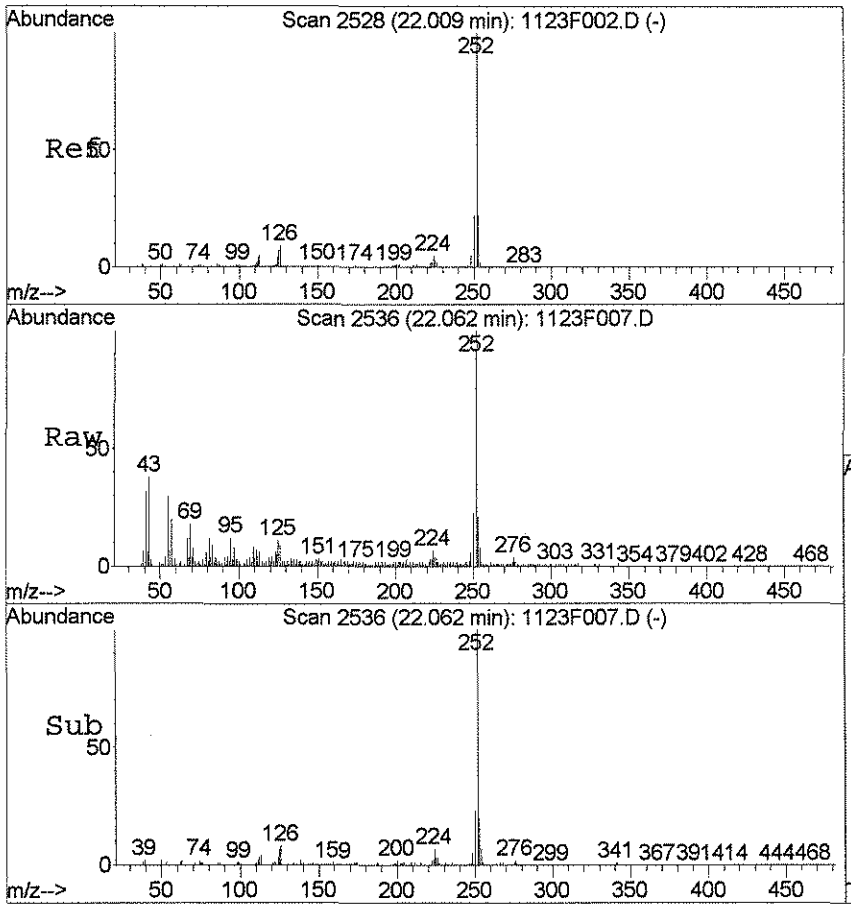


#78
Bis(2-ethylhexyl) Phthalate
Concen: 127.55 ng/ml m
RT: 19.84 min Scan# 2205
Delta R.T. -0.10 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:149 Resp: 23683

Ion	Ratio	Lower	Upper
149	100		
167	31.4	2.1	62.1
279	9.2	0.0	39.6

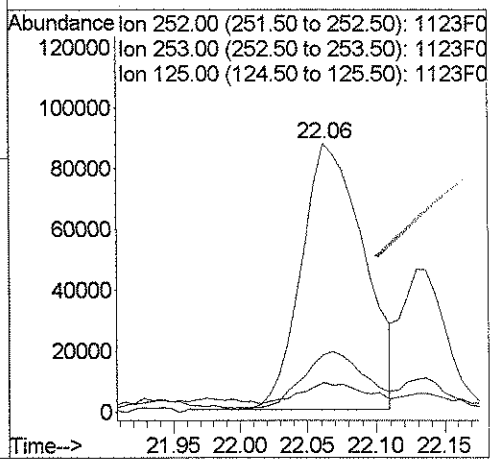


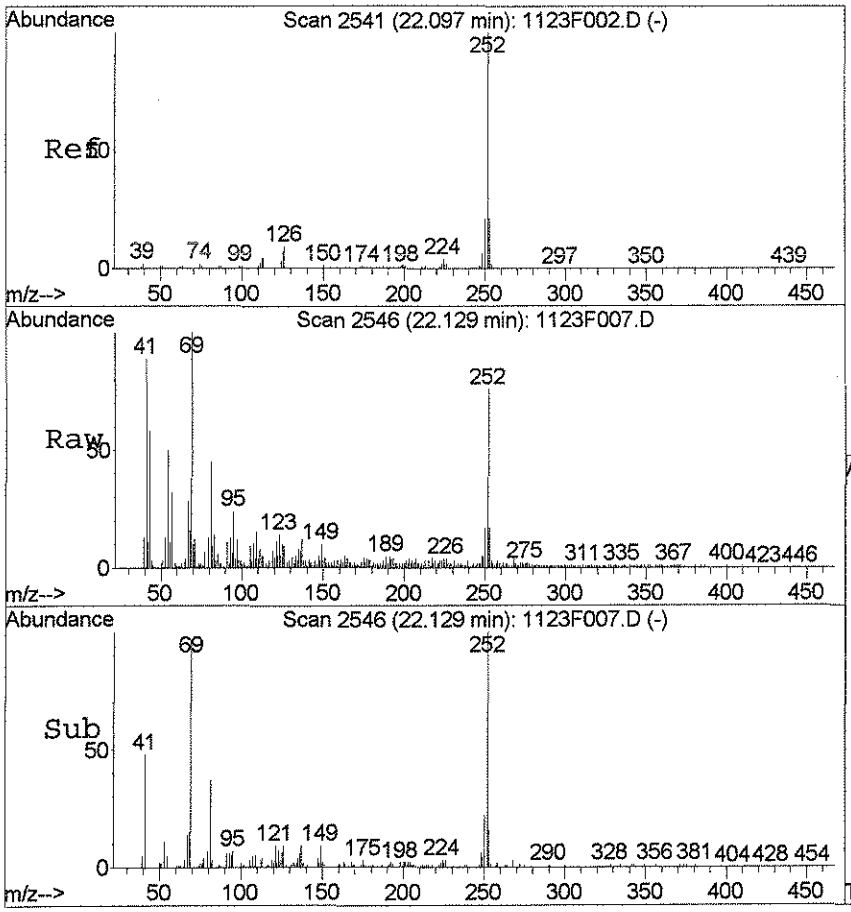


#81
Benzo(b)fluoranthene
Concen: 963.29 ng/ml
RT: 22.06 min Scan# 2536
Delta R.T. -0.10 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:252 Resp: 277851

Ion	Ratio	Lower	Upper
252	100		
253	19.4	0.0	51.0
125	6.1	0.0	36.4

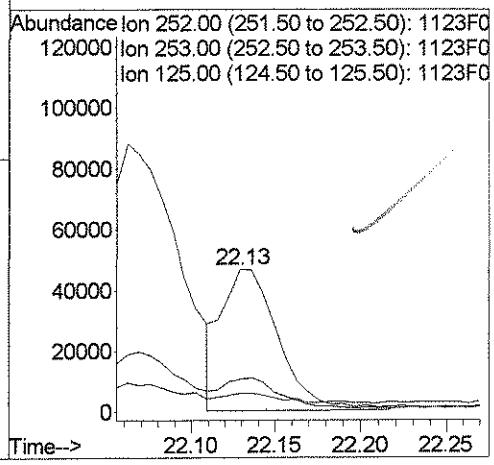


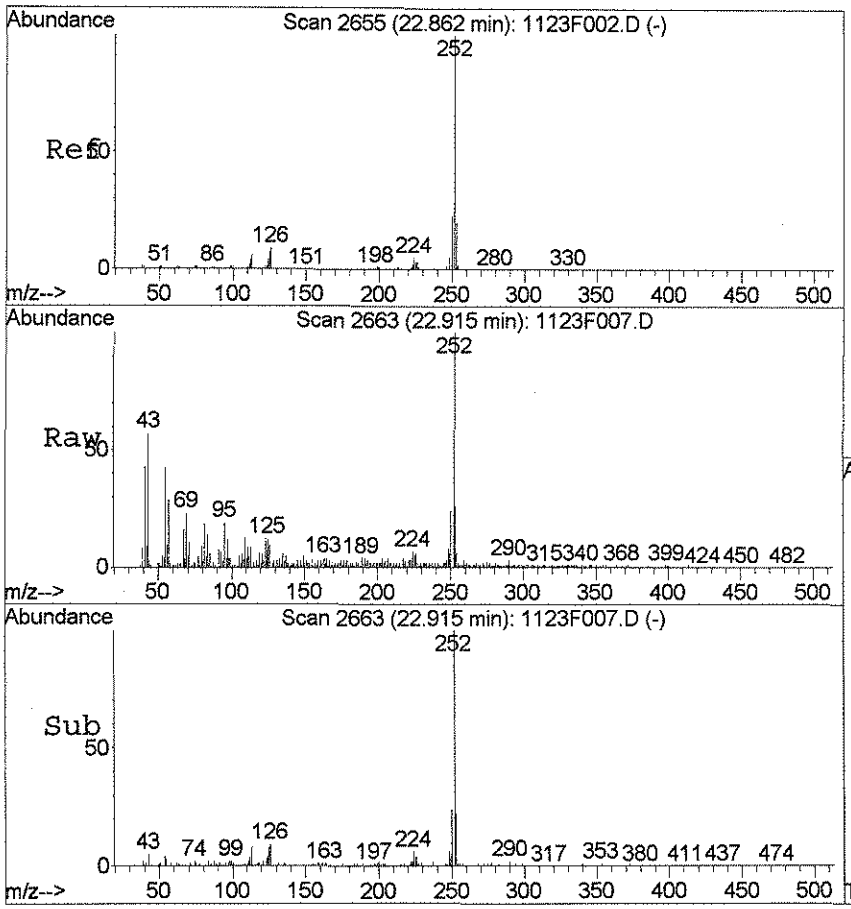


#82
Benzo(k)fluoranthene
Concen: 359.60 ng/ml
RT: 22.13 min Scan# 2546
Delta R.T. -0.12 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:252 Resp: 110033

Ion	Ratio	Lower	Upper
252	100		
253	21.1	0.0	51.3
125	6.3	0.0	36.2

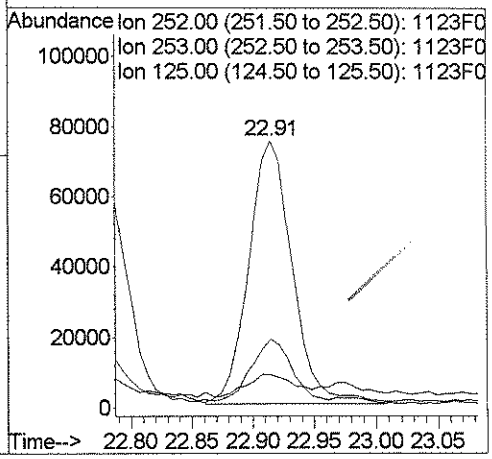


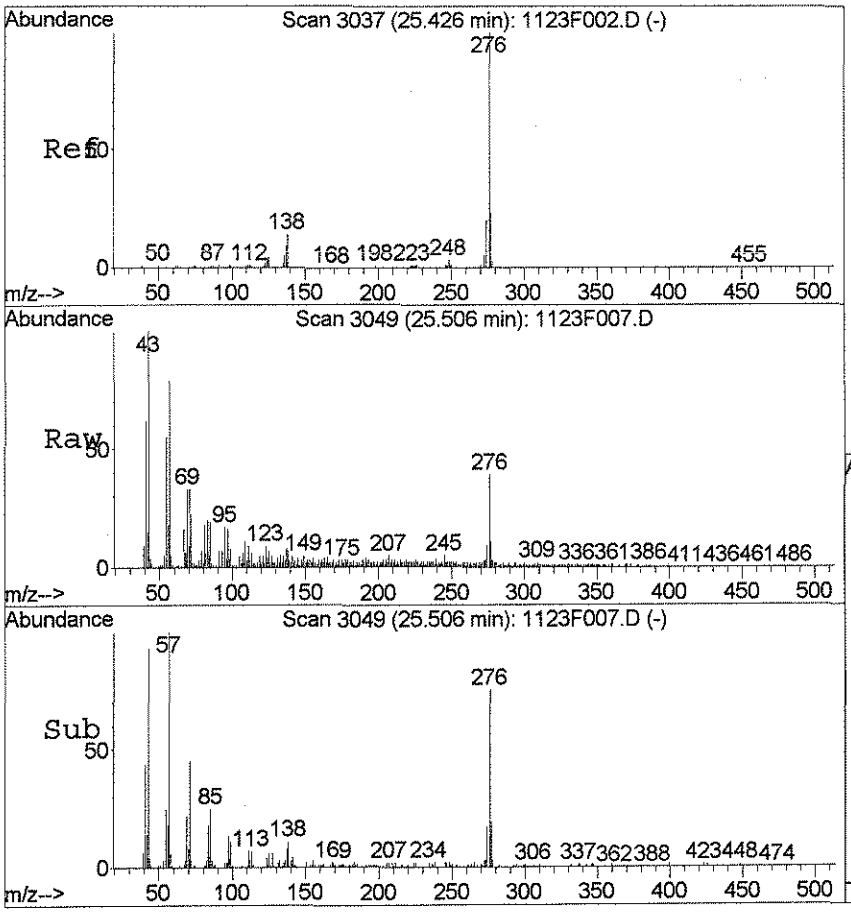


#83
Benzo(a)pyrene
Concen: 764.72 ng/ml
RT: 22.91 min Scan# 2663
Delta R.T. -0.10 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:252 Resp: 184678

Ion	Ratio	Lower	Upper
252	100		
253	24.0	0.0	50.3
125	7.1	0.0	37.0

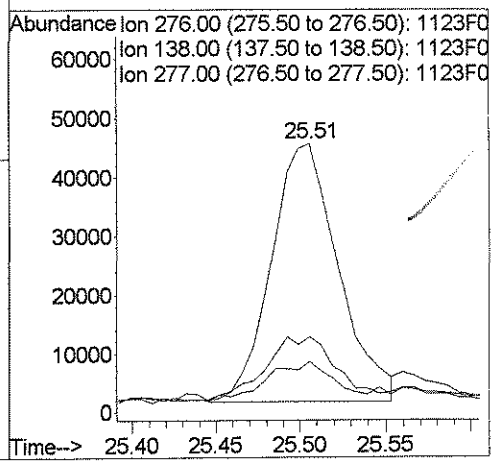


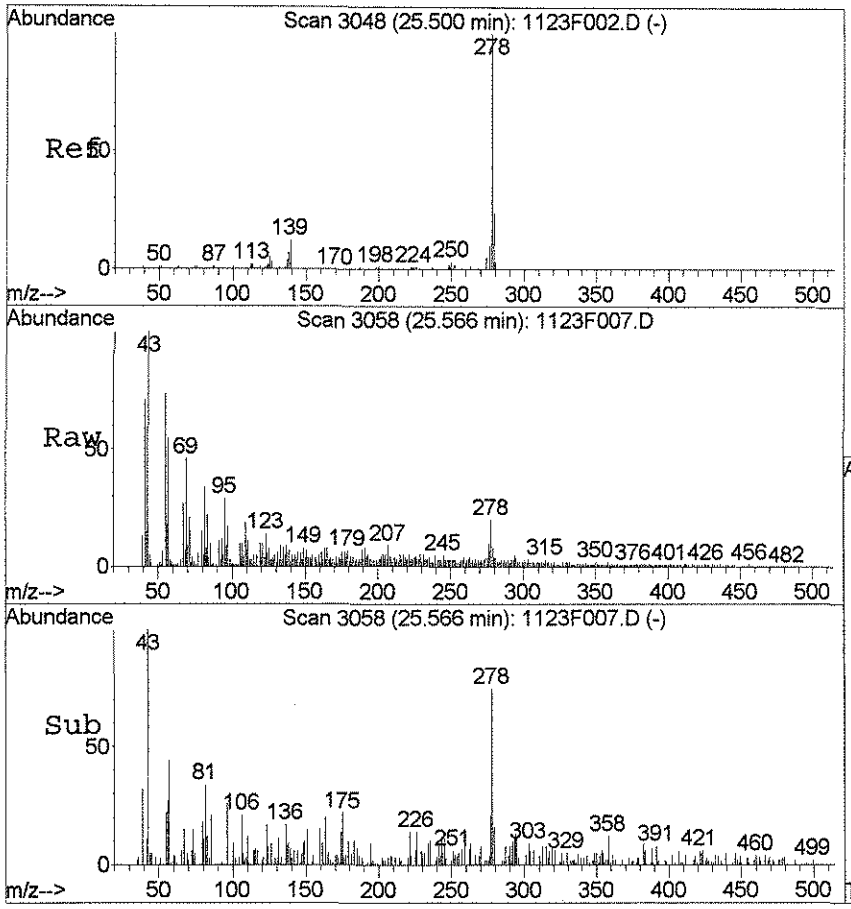


#84
Indeno(1,2,3-cd)pyrene
Concen: 557.67 ng/ml m
RT: 25.51 min Scan# 3049
Delta R.T. -0.04 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:276 Resp: 121359

Ion	Ratio	Lower	Upper
276	100		
138	18.9	0.0	44.3
277	28.1	0.0	53.0

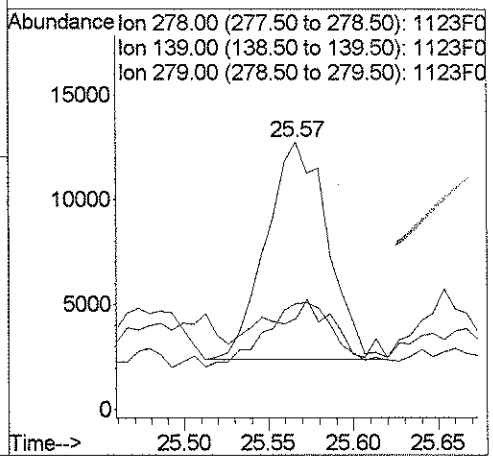


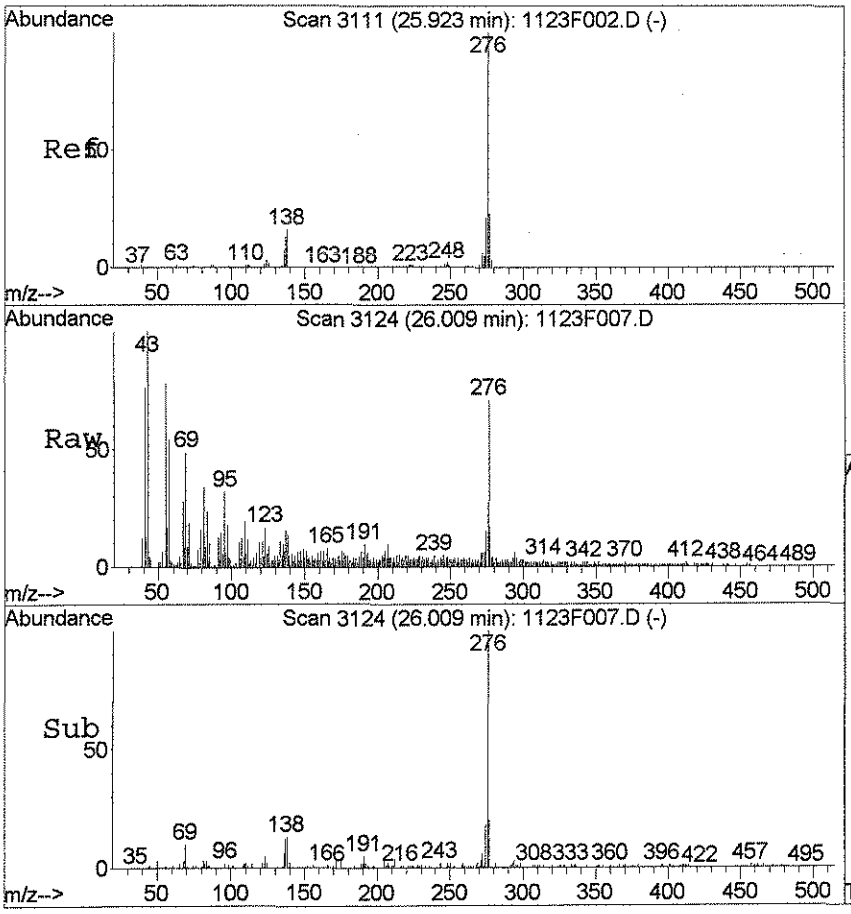


#85
Dibenz(a,h)anthracene
Concen: 114.40 ng/ml
RT: 25.57 min Scan# 3058
Delta R.T. -0.06 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:278 Resp: 26144

Ion	Ratio	Lower	Upper
278	100		
139	17.8	0.0	41.6
279	28.9	0.0	54.0

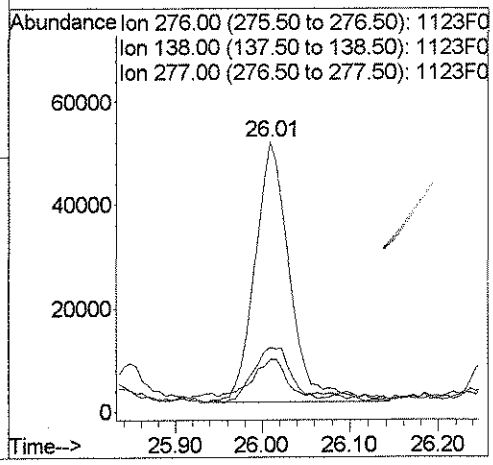




#86
Benzo(g,h,i)perylene
Concen: 590.59 ng/ml
RT: 26.01 min Scan# 3124
Delta R.T. -0.04 min
Lab File: 1123F007.D
Acq: 23 Nov 2010 4:55 pm

Tgt Ion:276 Resp: 141564

Ion	Ratio	Lower	Upper
276	100		
138	15.4	0.0	44.2
277	20.7	0.0	52.7



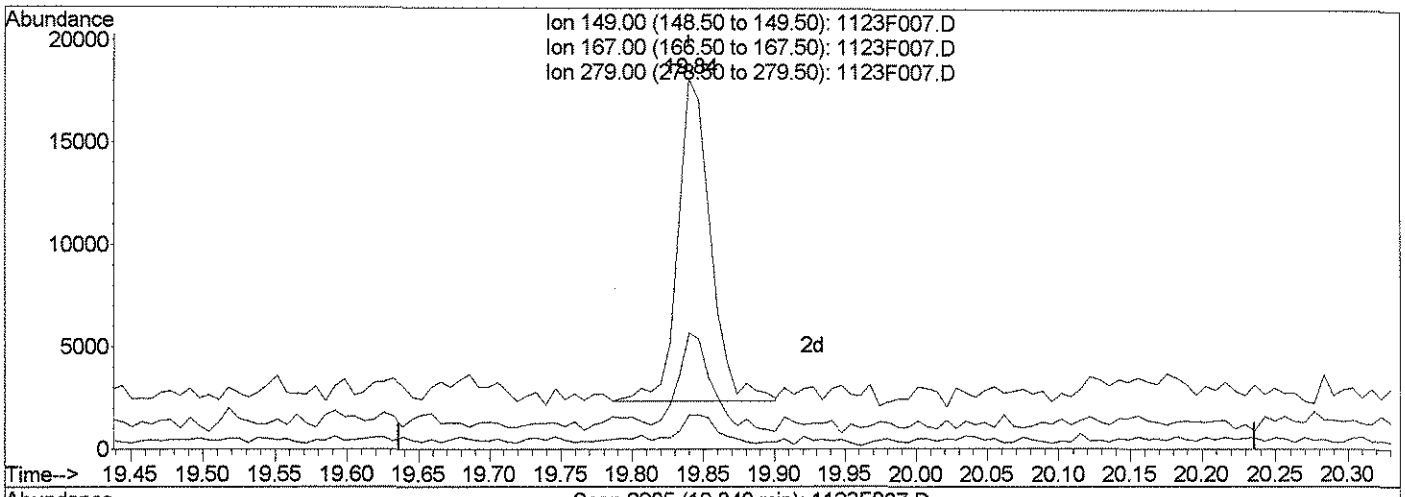
Quantitation Report (Qedit)

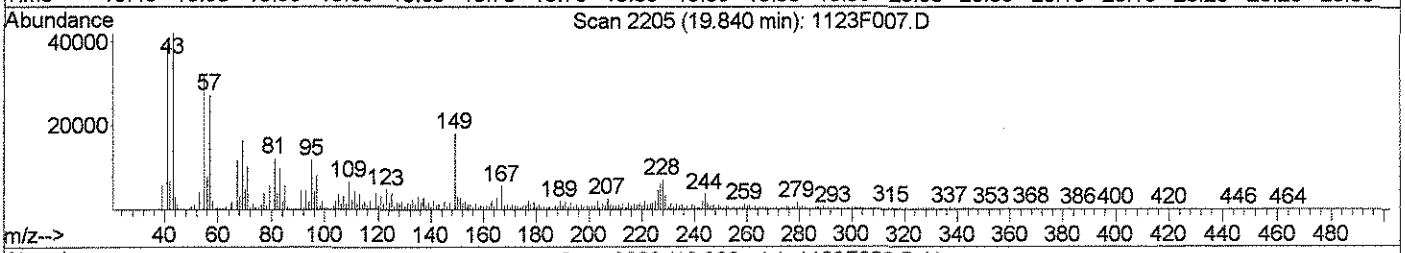
Data File : J:\MS06\DATA\112310\1123F007.D
Acq On : 23 Nov 2010 4:55 pm
Sample : K1012914-009
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:33 2010

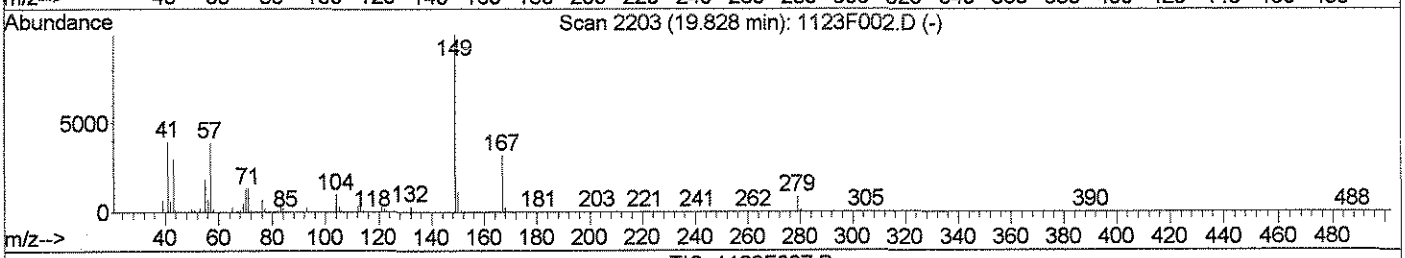
Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F007.D

(78) Bis(2-ethylhexyl) Phthalate (T)

19.84min 136.94ng/ml

response 25426

Ion	Exp%	Act%
149.00	100	100
167.00	32.10	30.56
279.00	9.60	8.51
0.00	0.00	0.00

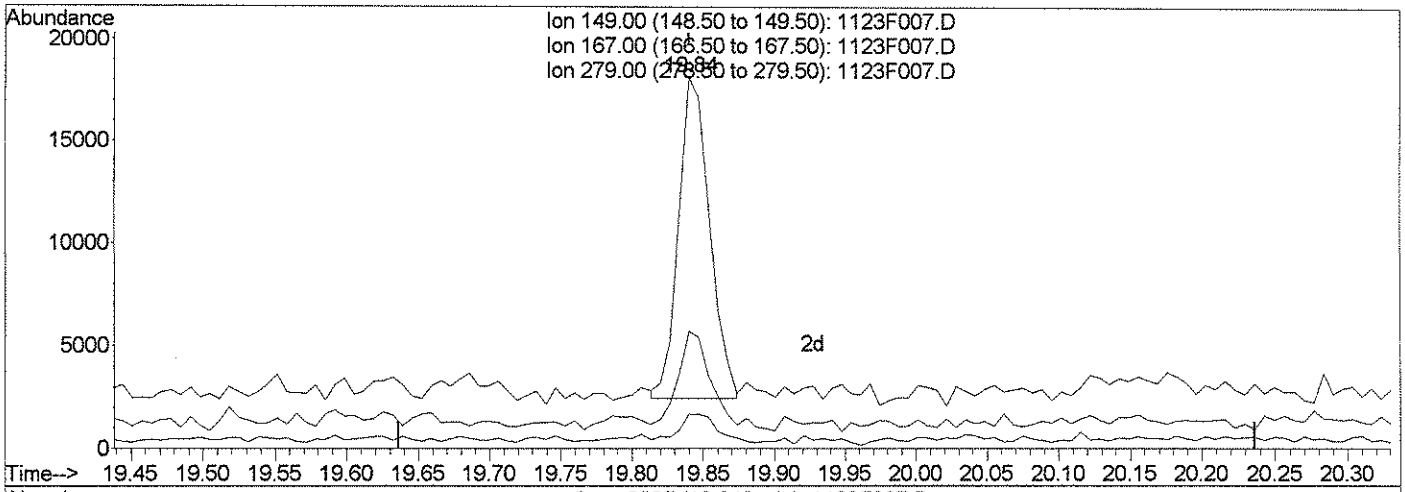
Quantitation Report (Qedit)

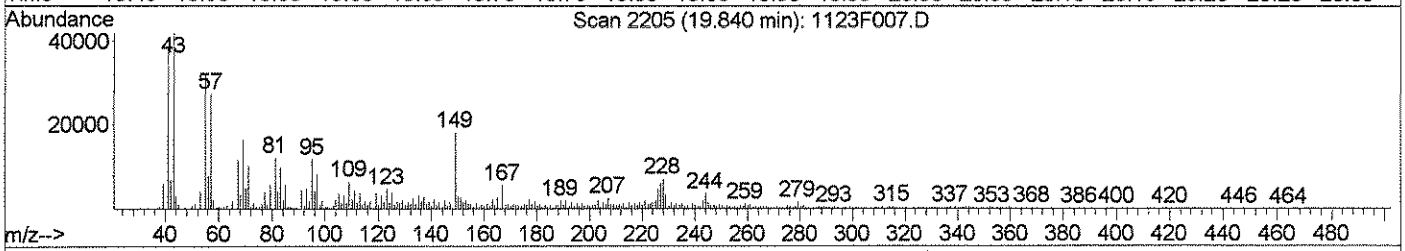
Data File : J:\MS06\DATA\112310\1123F007.D
Acq On : 23 Nov 2010 4:55 pm
Sample : K1012914-009
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:34 2010

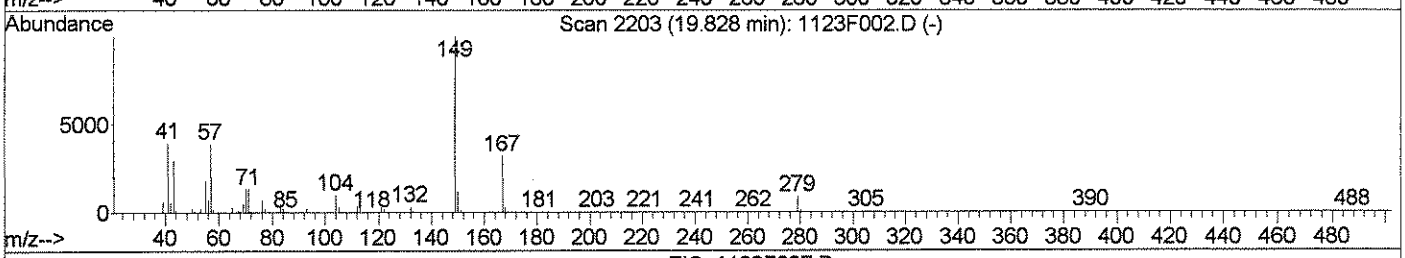
Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F007.D

(78) Bis(2-ethylhexyl) Phthalate (T)

19.84min 127.55ng/ml m

response 23683

Ion	Exp%	Act%
149.00	100	100
167.00	32.10	31.37
279.00	9.60	9.22
0.00	0.00	0.00

01

LB 11/24/10

00

1123F007.D 111510_BNLL.M Wed Nov 24 08:34:05 2010

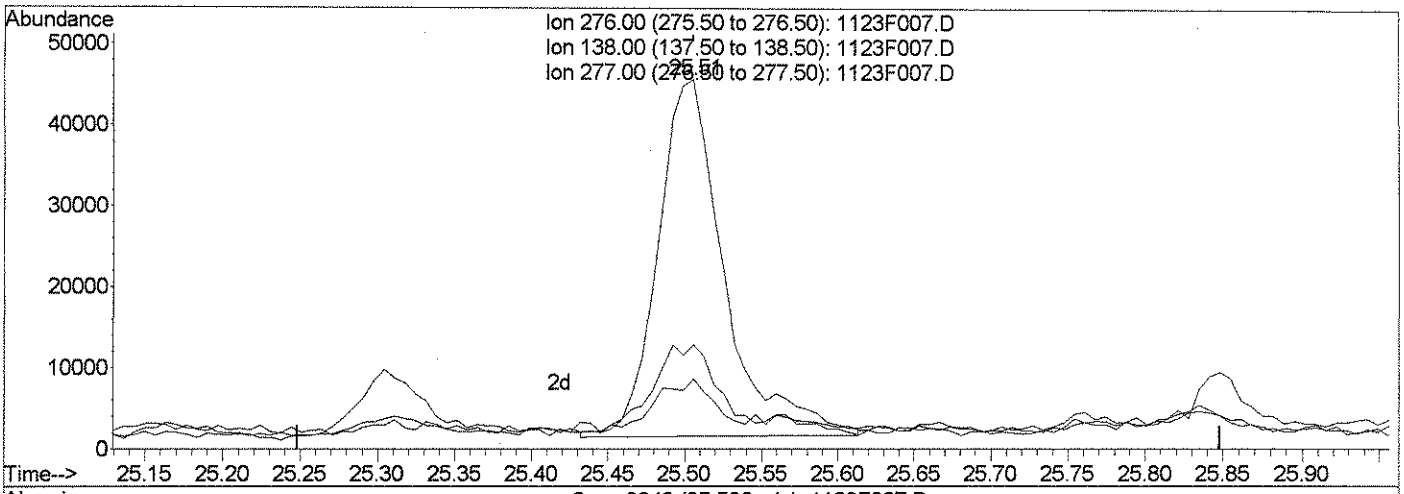
Quantitation Report (Qedit)

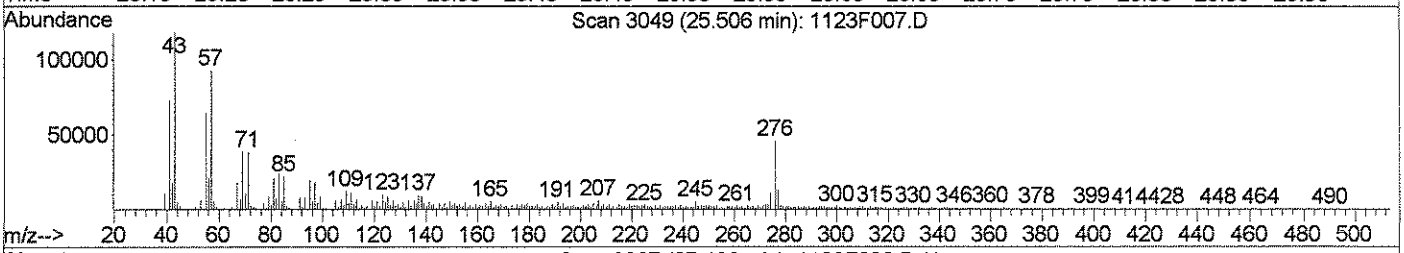
Data File : J:\MS06\DATA\112310\1123F007.D
Acq On : 23 Nov 2010 4:55 pm
Sample : K1012914-009
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:34 2010

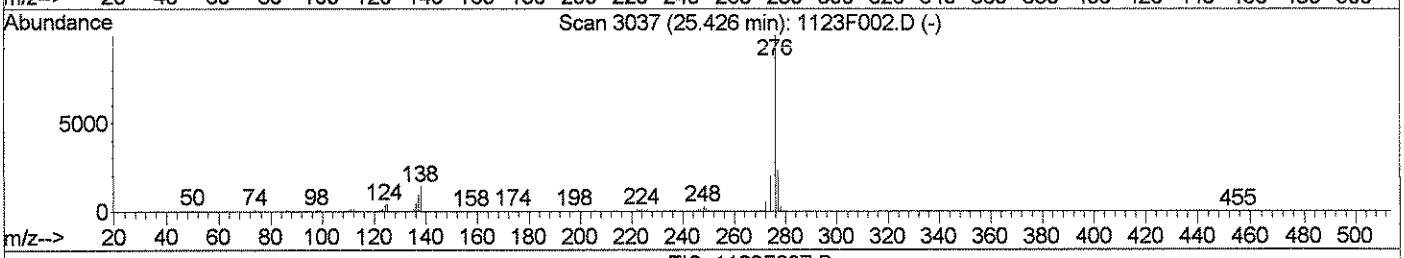
Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F007.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.51min 610.35ng/ml

response 132824

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	14.46
277.00	23.00	25.48
0.00	0.00	0.00

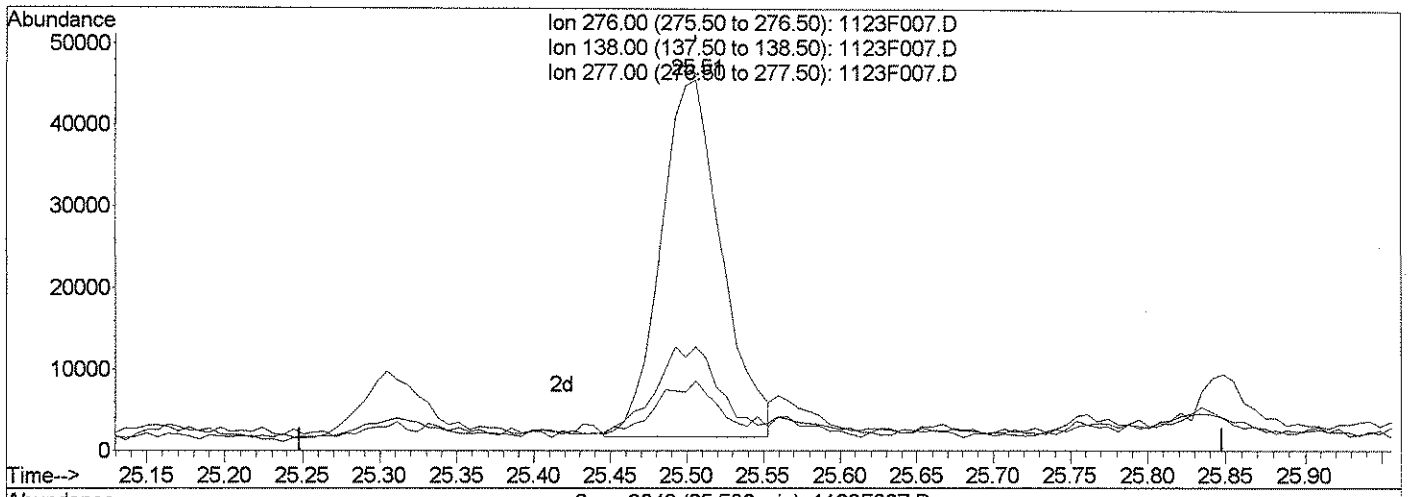
Quantitation Report (Qedit)

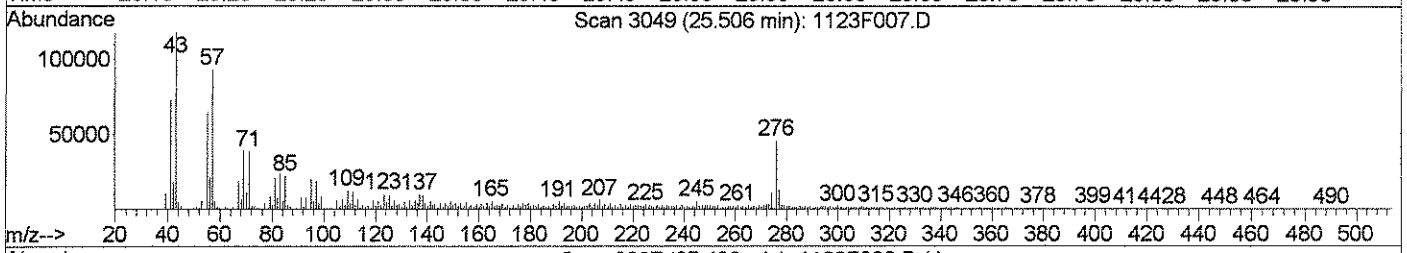
Data File : J:\MS06\DATA\112310\1123F007.D
Acq On : 23 Nov 2010 4:55 pm
Sample : K1012914-009
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:34 2010

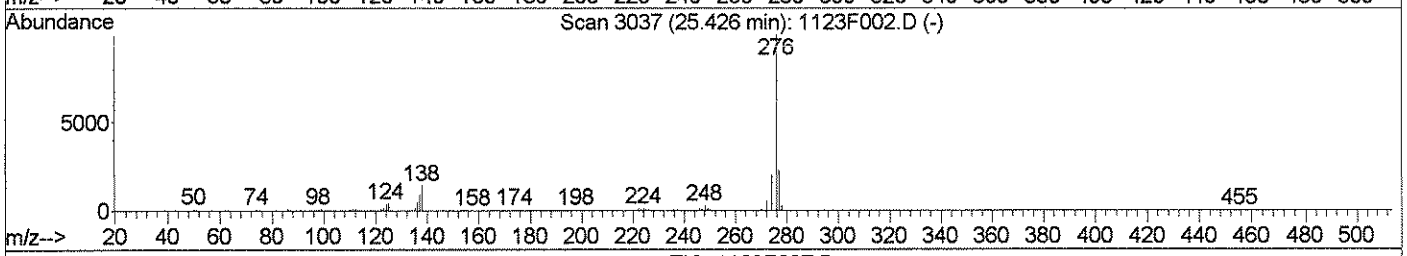
Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F007.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.51min 557.67ng/ml m

response 121359

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	18.86
277.00	23.00	28.08
0.00	0.00	0.00

D1
LB 11/24/10

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	28	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	5.6	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	17	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	5.6	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	5.6	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	5.6	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	5.6	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	5.6	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	5.6	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	28	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	5.6	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	5.6	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	5.6	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	29	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**2.3**	J	5.6	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**22**		5.6	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	5.6	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**3.4**	J	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	56	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**2.8**	J	5.6	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	5.6	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	56	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	5.6	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	5.6	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	56	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**38**		5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**9.4**		5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**110**		5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**100**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	5.6	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	56	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**65**		5.6	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**71**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	56	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	5.6	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**92**		5.6	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**33**		5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**75**		5.6	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**55**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**11**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**56**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	27	11-80	11/23/10	Acceptable
Phenol-d6	46	20-86	11/23/10	Acceptable
Nitrobenzene-d5	65	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	68	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	43	10-119	11/23/10	Acceptable
Terphenyl-d14	95	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F008.D
Lab ID: K1012914-010
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/23/2010 17:32
Date Quantitated: 11/24/2010 08:36
Batch ID: KWG1012886
Analysis Method: 8270C
ListJoinID: LJ12105

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: LB 11/24/10

Secondary Review: on 11/27/10

Quantitation Report

Bottle ID:	03	**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979837	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12105
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112310\1123F008.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 17:32	**Quant Date:**	11/24/2010 08:36	**Vial:**	8
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-010			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.20	0.01	152	84560	1,000.00	OK
2	Naphthalene-d8	10.08	0.01	136	263444	1,000.00	OK
3	Acenaphthene-d10	12.89	0.02	164	131331	1,000.00	OK
4	Phenanthrene-d10	15.29	0.01	188	259367	1,000.00	OK
5	Chrysene-d12	19.66	0.04	240	289377	1,000.00	OK
6	Perylene-d12	23.10	0.10	264	263863	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.59	0.03	0.00	112	84331	1,008	27	11-80 OK	
1	Phenol-d6	7.77	0.02	0.00	99	169976	1,732	46	20-86 OK	
1	Nitrobenzene-d5	9.01	0.01	0.00	82	180635	1,622	65	27-91 OK	
3	2-Fluorobiphenyl	11.84	0.01	0.00	172	367183	1,701	68	25-97 OK	
4	2,4,6-Tribromophenol	14.18	0.01	0.00	330	72917	1,610	43	10-119 OK	
5	Terphenyl-d14	17.95	0.02	0.00	244	542850	2,378	95	33-129 OK	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		6.1	U	
1	Bis(2-chloroethyl) Ether				93	0d		1.9	U	
1	Phenol				94	0d		2.0	U	
1	2-Chlorophenol				128	0		2.0	U	
1	Bis(2-chloroisopropyl) Ether				45	0d		2.6	U	
1	Hexachloroethane				117	0d		3.1	U	
1	N-Nitrosodi-n-propylamine				70	0d		2.4	U	
1	Nitrobenzene				77	0d		2.2	U	
2	Isophorone				82	0d		1.0	U	
2	2-Nitrophenol				139	0		1.5	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F008.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 17:32	**Quant Date:**	11/24/2010 08:36	**Vial:**	8
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-010			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0**d**		5.5	U	
2	Bis(2-chloroethoxy)methane				93	0**d**		1.5	U	
2	2,4-Dichlorophenol				162	0		1.0	U	
2	Naphthalene	10.11		0.00	128	8032**m**	30.61	2.3	U	
2	Hexachlorobutadiene				225	0		2.5	U	
2	4-Chloro-3-methylphenol				107	0**d**		1.4	U	
3	Hexachlorocyclopentadiene				237	0		29	U	
3	2,4,6-Trichlorophenol				196	0		1.4	U	
3	2-Chloronaphthalene				127	0**d**		1.6	U	
3	Acenaphthylene	12.65	0.01	0.00	152	10501	41.30	2.3	J	
3	Dimethyl Phthalate	12.53		0.00	163	81224	398.17	22		
3	2,6-Dinitrotoluene				165	0**d**		2.0	U	
3	Acenaphthene	12.94	0.01	0.00	154	8940**m**	61.55	3.4	J	
3	2,4-Dinitrophenol				184	0		17	U	
3	4-Nitrophenol				109	0**d**		18	U	
3	2,4-Dinitrotoluene				165	0**d**		1.5	U	
3	Fluorene	13.78	0.01	0.00	166	9230	49.57	2.8	J	
3	4-Chlorophenyl Phenyl Ether				204	0		1.4	U	
3	Diethyl Phthalate	13.68	-0.01	0.00	149	4892	22.61	1.3	U	
3	2-Methyl-4,6-dinitrophenol				198	0		1.4	U	
3	N-Nitrosodiphenylamine				169	0**d**		1.6	U	
3	Azobenzene				77	0**d**		1.1	U	
4	4-Bromophenyl Phenyl Ether				248	0		1.6	U	
4	Hexachlorobenzene				284	0		1.2	U	
4	Pentachlorophenol				266	0**d**		20	U	
4	Phenanthrene	15.33	0.01	0.00	178	177865	684.15	38		
4	Anthracene	15.41	0.01	0.00	178	45461	168.28	9.4		
4	Di-n-butyl Phthalate	16.37	0.01	0.00	149	14459	43.84	7.9	U	
4	Fluoranthene	17.28	0.03	0.00	202	633080	1,954	110		
5	Benzidine				184	0**d**		120	U	
5	Pyrene	17.63	0.02	0.00	202	564306	1,810	100		
5	Butyl Benzyl Phthalate				149	0**d**		3.2	U	
5	3,3'-Dichlorobenzidine				252	0**d**		3.7	U	
5	Benz(a)anthracene	19.64	0.03	0.00	228	347258	1,160	65		
5	Chrysene	19.70	0.03	0.00	228	379469	1,272	71		
5	Bis(2-ethylhexyl) Phthalate	19.85	0.02	0.00	149	21633	119.74	7.0	U	
6	Di-n-octyl Phthalate				149	0**d**		1.7	U	
6	Benzo(b)fluoranthene	22.10	0.09	0.00	252	464006	1,638	92		
6	Benzo(k)fluoranthene	22.17	0.07	0.00	252	179410	597.07	33		
6	Benzo(a)pyrene	22.95	0.09	0.00	252	319143	1,346	75		
6	Indeno(1,2,3-cd)pyrene	25.54	0.11	0.00	276	209784**m**	981.65	55		
6	Dibenz(a,h)anthracene	25.60	0.10	0.00	278	46008	205.01	11		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F008.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 17:32	**Quant Date:**	11/24/2010 08:36	**Vial:**	8
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-010			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene	26.06	0.14	0.00	276	236596	1,005	56		

Prep Amount:	40.282 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	88.7 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F008.D Vial: 8
Acq On : 23 Nov 2010 5:32 pm Operator: KBailey
Sample : K1012914-010 Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:15 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	84560	1000.00	ng/ml	-0.07
22) Naphthalene-d8	10.08	136	263444	1000.00	ng/ml	-0.07
36) Acenaphthene-d10	12.89	164	131331	1000.00	ng/ml	-0.06
60) Phenanthrene-d10	15.29	188	259367	1000.00	ng/ml	-0.07
70) Chrysene-d12	19.66	240	289377	1000.00	ng/ml	-0.07
79) Perylene-d12	23.10	264	263863	1000.00	ng/ml	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	6.59	112	84331	1008.48	ng/ml	-0.06
Spiked Amount 3750.000	Range 38 - 110		Recovery =	26.89%#		
6) Phenol-d6	7.77	99	169976	1731.98	ng/ml	-0.04
Spiked Amount 3750.000	Range 43 - 128		Recovery =	46.19%		
20) Nitrobenzene-d5	9.01	82	180635	1621.90	ng/ml	-0.07
Spiked Amount 2500.000	Range 30 - 139		Recovery =	64.88%		
40) 2-Fluorobiphenyl	11.84	172	367183	1700.57	ng/ml	-0.07
Spiked Amount 2500.000	Range 37 - 126		Recovery =	68.02%		
61) 2,4,6-Tribromophenol	14.18	330	72917	1609.79	ng/ml	-0.06
Spiked Amount 3750.000	Range 38 - 157		Recovery =	42.93%		
73) Terphenyl-d14	17.95	244	542850	2377.60	ng/ml	-0.07
Spiked Amount 2500.000	Range 54 - 158		Recovery =	95.10%		

Target Compounds						Qvalue
30) Naphthalene	10.11	128	8032m	30.61	ng/ml	
34) 2-Methylnaphthalene	11.22	141	3302	22.19	ng/ml	91
35) 1-Methylnaphthalene	11.37	141	1628m	10.60	ng/ml	
43) Acenaphthylene	12.65	152	10501	41.30	ng/ml	94
44) Dimethyl Phthalate	12.53	163	81224	398.17	ng/ml	100
46) Acenaphthene	12.94	154	8940m	61.55	ng/ml	
49) Dibenzofuran	13.23	168	4634m	19.42	ng/ml	
53) Fluorene	13.78	166	9230	49.57	ng/ml	95
55) Diethyl Phthalate	13.68	149	4892	22.61	ng/ml	88
65) Phenanthrene	15.33	178	177865	684.15	ng/ml	98
66) Anthracene	15.41	178	45461	168.28	ng/ml	99
67) Carbazole	15.72	167	29612	125.40	ng/ml	100
68) Di-n-butyl Phthalate	16.37	149	14459	43.84	ng/ml	92
69) Fluoranthene	17.28	202	633080	1953.99	ng/ml	99
72) Pyrene	17.63	202	564306	1809.58	ng/ml	93
76) Benz(a)anthracene	19.64	228	347258	1160.23	ng/ml	97
77) Chrysene	19.70	228	379469	1271.56	ng/ml	98
78) Bis(2-ethylhexyl) Phthalat	19.85	149	21633	119.74	ng/ml	83
81) Benzo(b)fluoranthene	22.10	252	464006	1638.14	ng/ml	98
82) Benzo(k)fluoranthene	22.17	252	179410	597.07	ng/ml	98

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F008.D
Acq On : 23 Nov 2010 5:32 pm
Sample : K1012914-010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:15 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83)	Benzo(a)pyrene	22.95	252	319143	1345.72 ng/ml	97
84)	Indeno(1,2,3-cd)pyrene	25.54	276	209784m	981.65 ng/ml	
85)	Dibenz(a,h)anthracene	25.60	278	46008	205.01 ng/ml	96
86)	Benzo(g,h,i)perylene	26.06	276	236596	1005.14 ng/ml	98

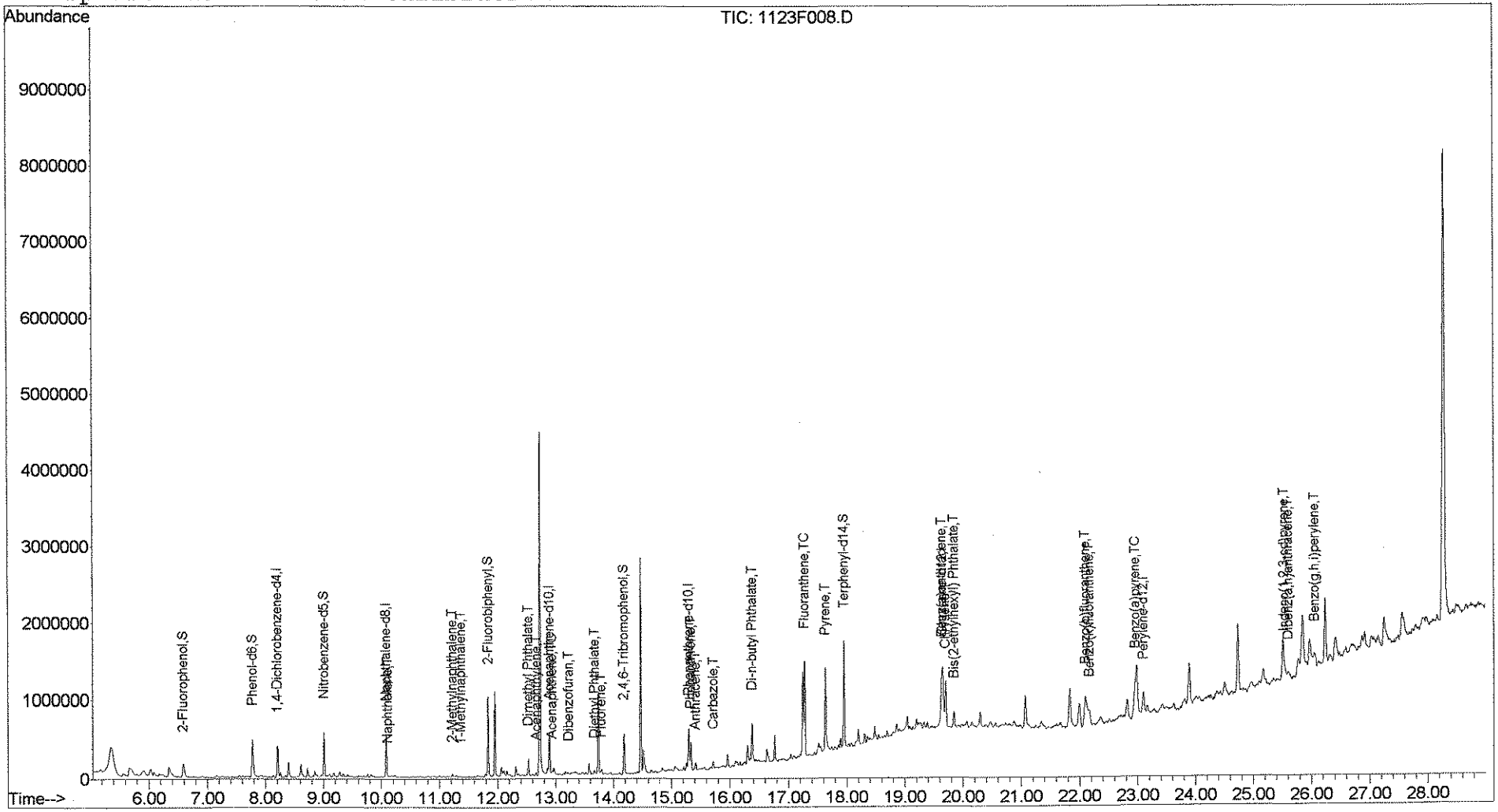
(#) = qualifier out of range (m) = manual integration

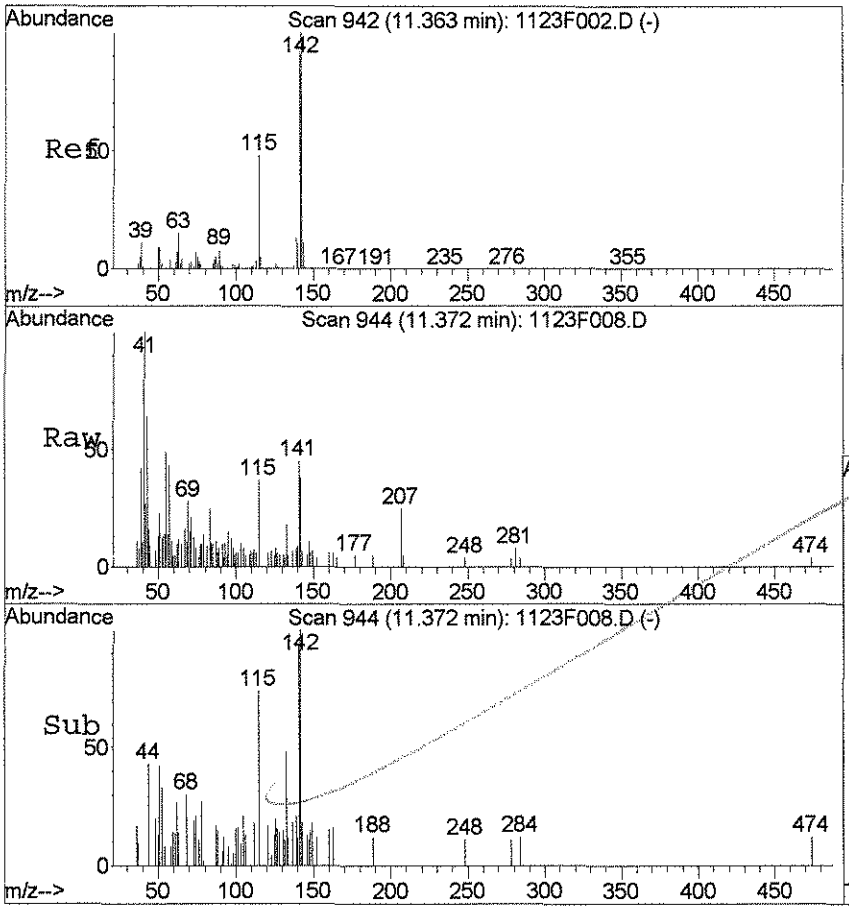
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F008.D
Acq On : 23 Nov 2010 5:32 pm
Sample : K1012914-010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:36 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration

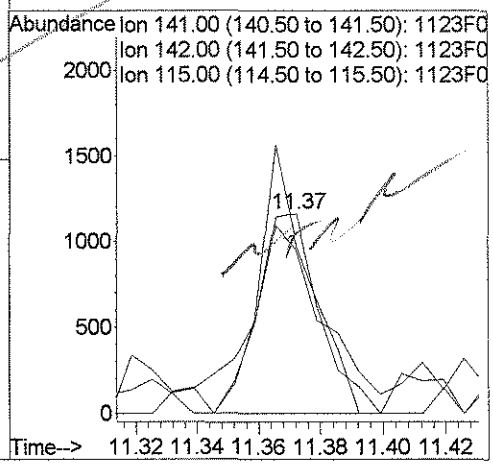


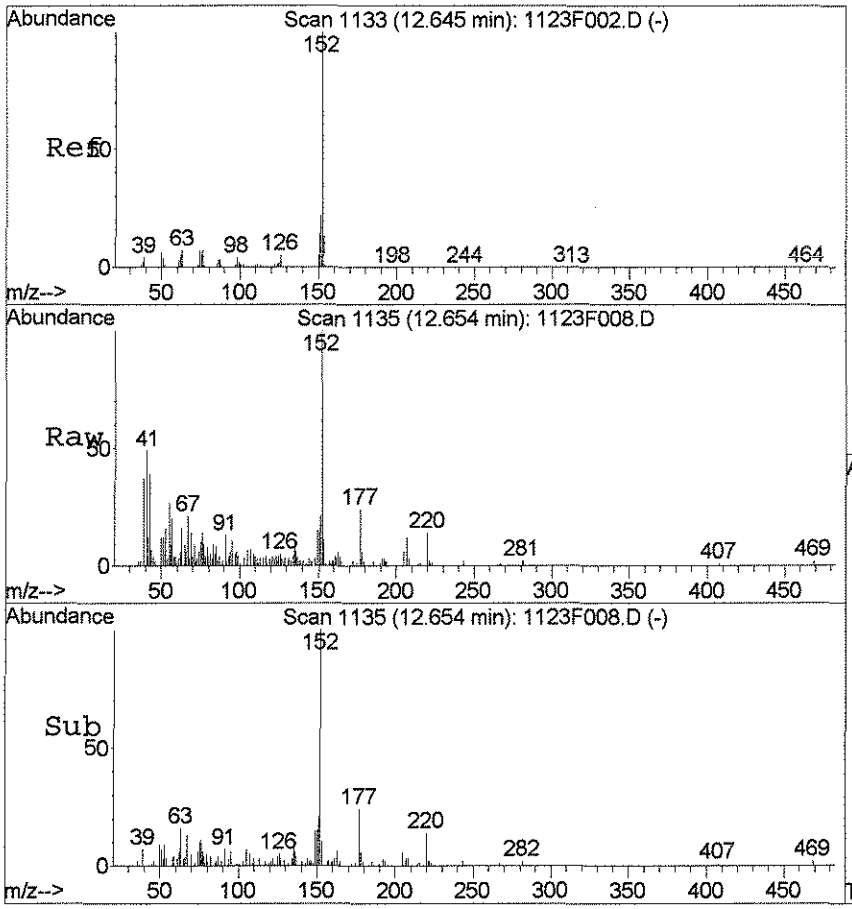


#35
1-Methylnaphthalene
Concen: 10.60 ng/ml m
RT: 11.37 min Scan# 944
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:141 Resp: 1628

Ion	Ratio	Lower	Upper
141	100		
142	84.2	76.4	142.0
115	81.9	38.3	71.1#

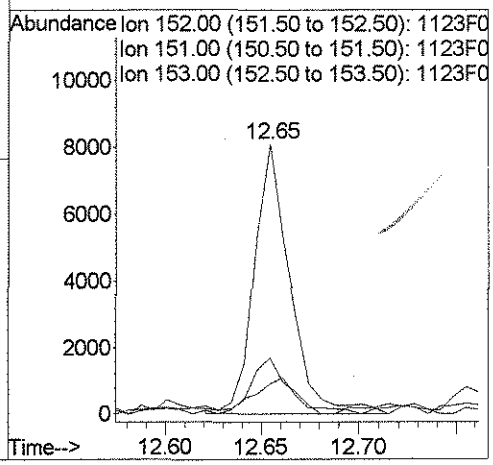


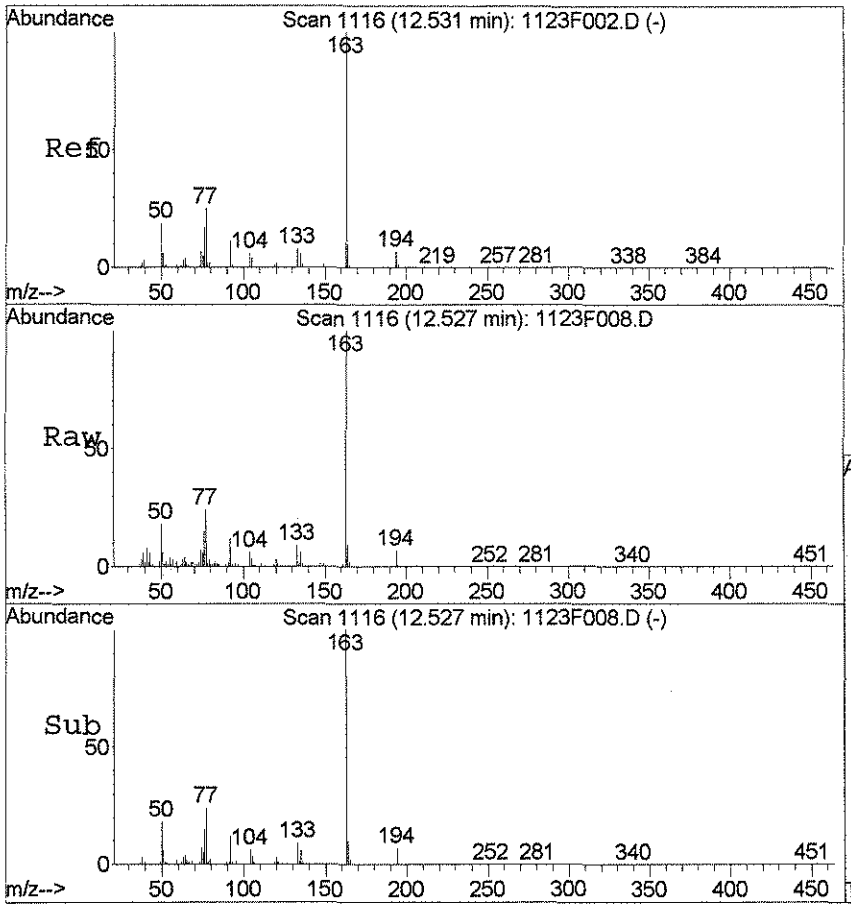


#43
Acenaphthylene
Concen: 41.30 ng/ml
RT: 12.65 min Scan# 1135
Delta R.T. -0.06 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:152 Resp: 10501

Ion	Ratio	Lower	Upper
152	100		
151	18.0	0.0	50.8
153	10.0	0.0	42.8

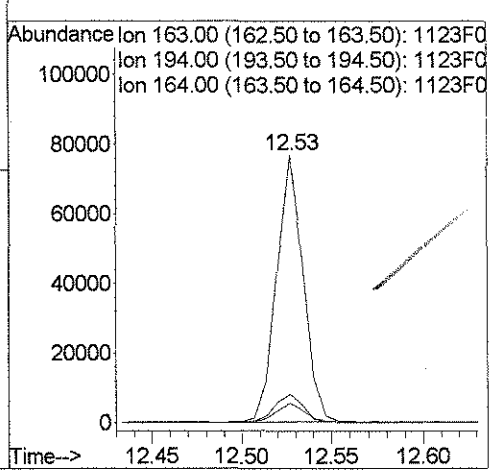


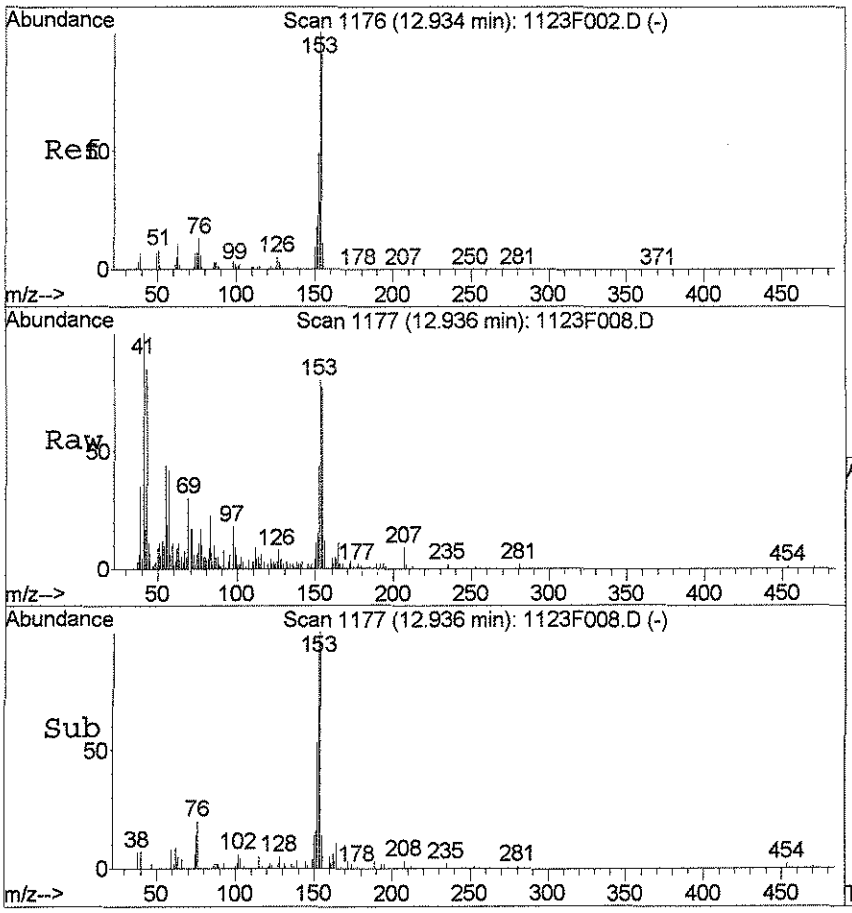


#44
Dimethyl Phthalate
Concen: 398.17 ng/ml
RT: 12.53 min Scan# 1116
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:163 Resp: 81224

Ion	Ratio	Lower	Upper
163	100		
194	7.0	0.0	37.0
164	10.1	0.0	40.1

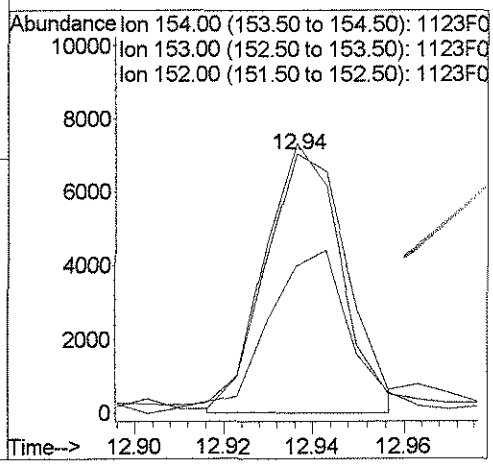


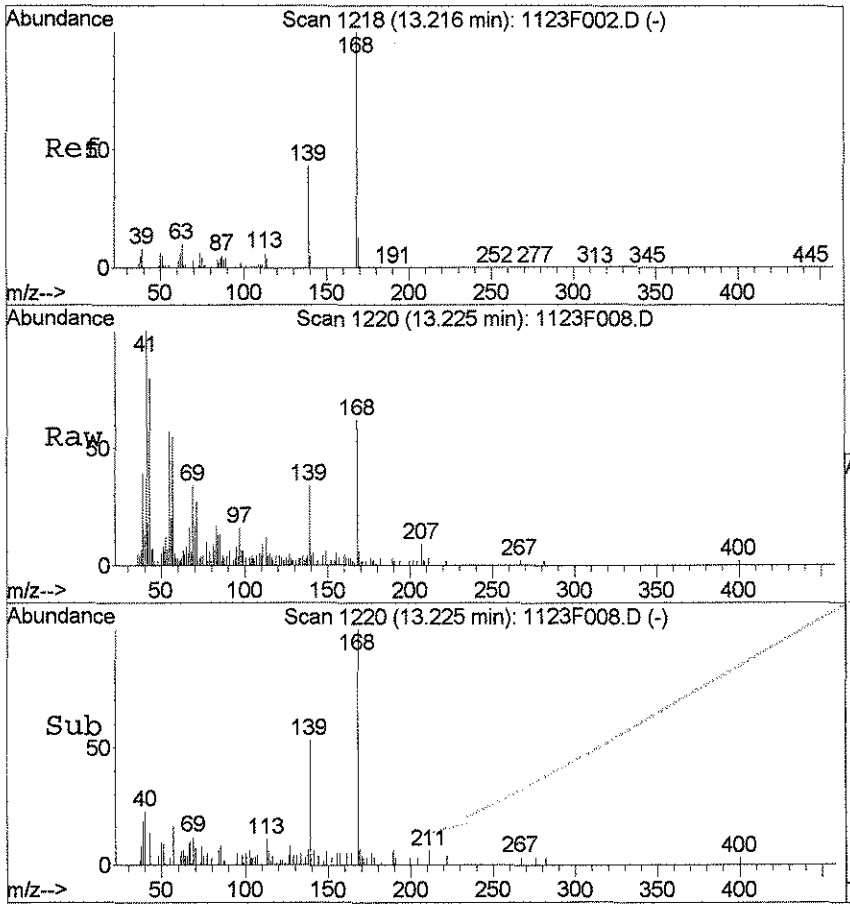


#46
Acenaphthene
Concen: 61.55 ng/ml m
RT: 12.94 min Scan# 1177
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:154 Resp: 8940

Ion	Ratio	Lower	Upper
154	100		
153	104.0	79.9	139.9
152	56.5	23.4	83.4

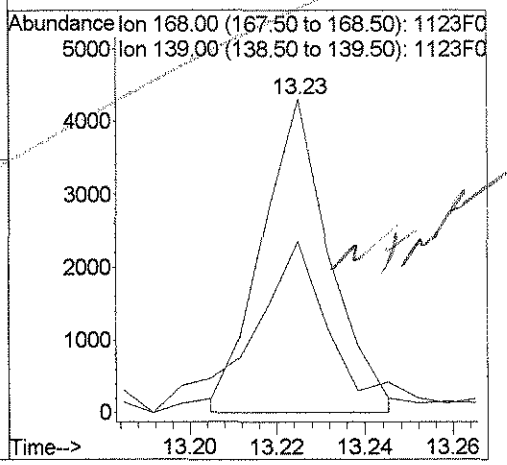


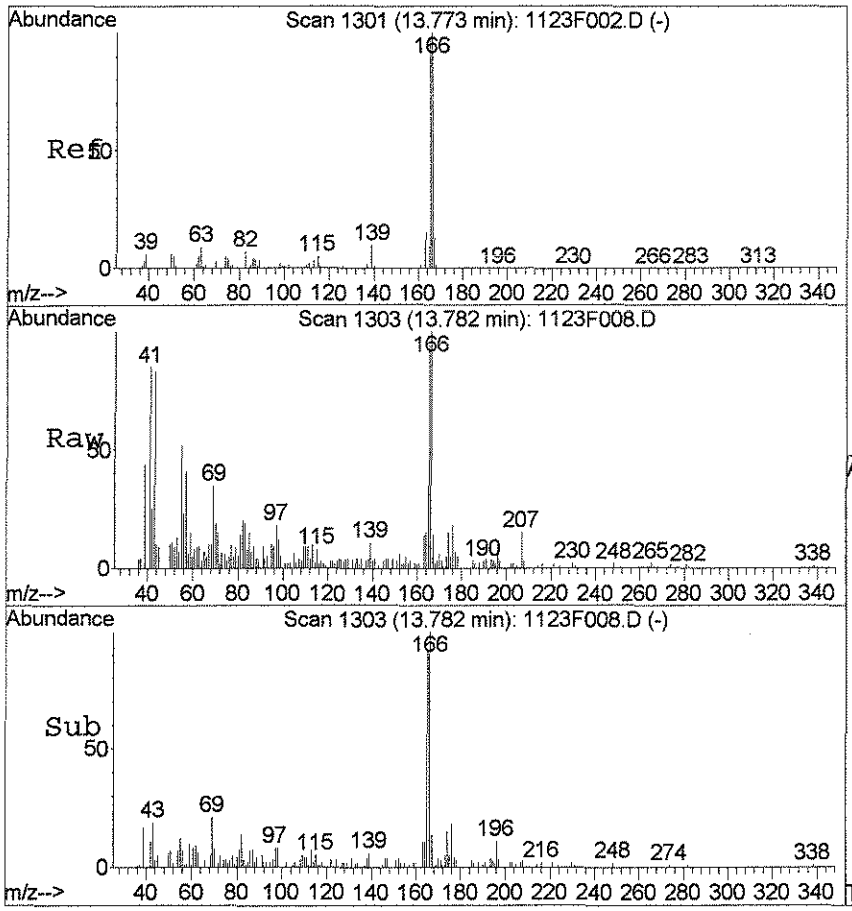


#49
Dibenzofuran
Concen: 19.42 ng/ml m
RT: 13.23 min Scan# 1220
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:168 Resp: 4634

Ion	Ratio	Lower	Upper
168	100		
139	54.7	16.6	76.6

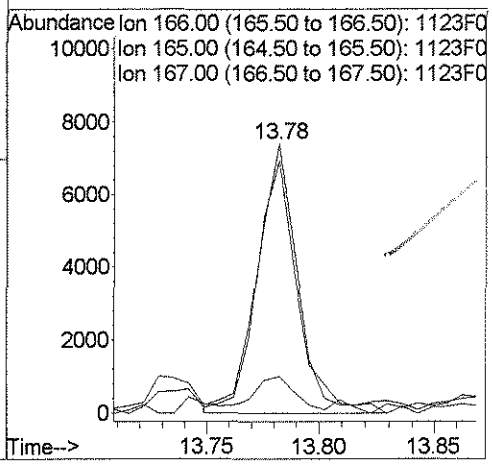


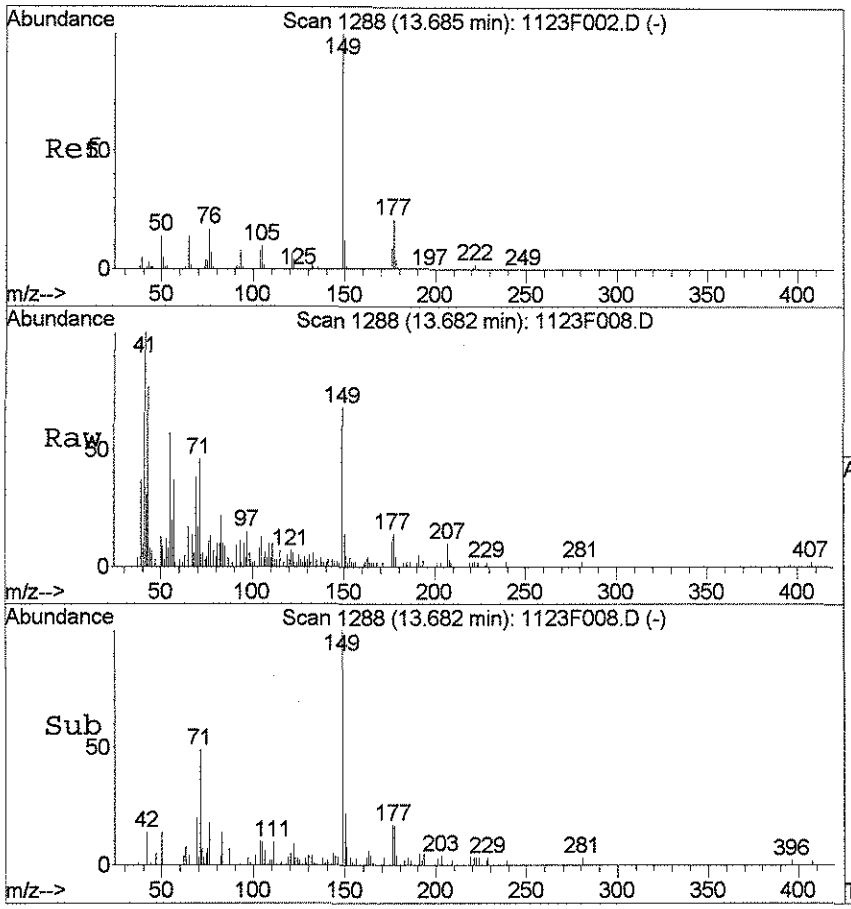


#53
Fluorene
Concen: 49.57 ng/ml
RT: 13.78 min Scan# 1303
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:166 Resp: 9230

Ion	Ratio	Lower	Upper
166	100		
165	91.7	66.5	126.5
167	10.1	0.0	43.3

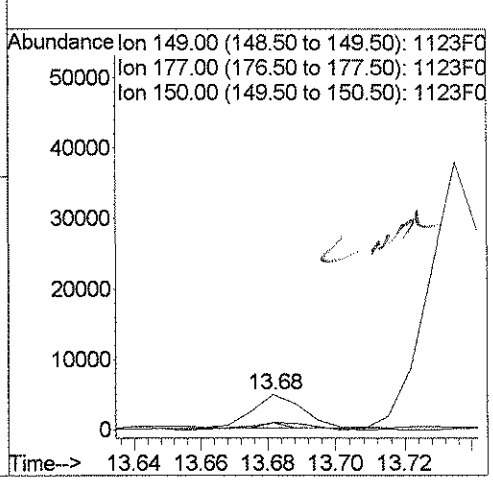


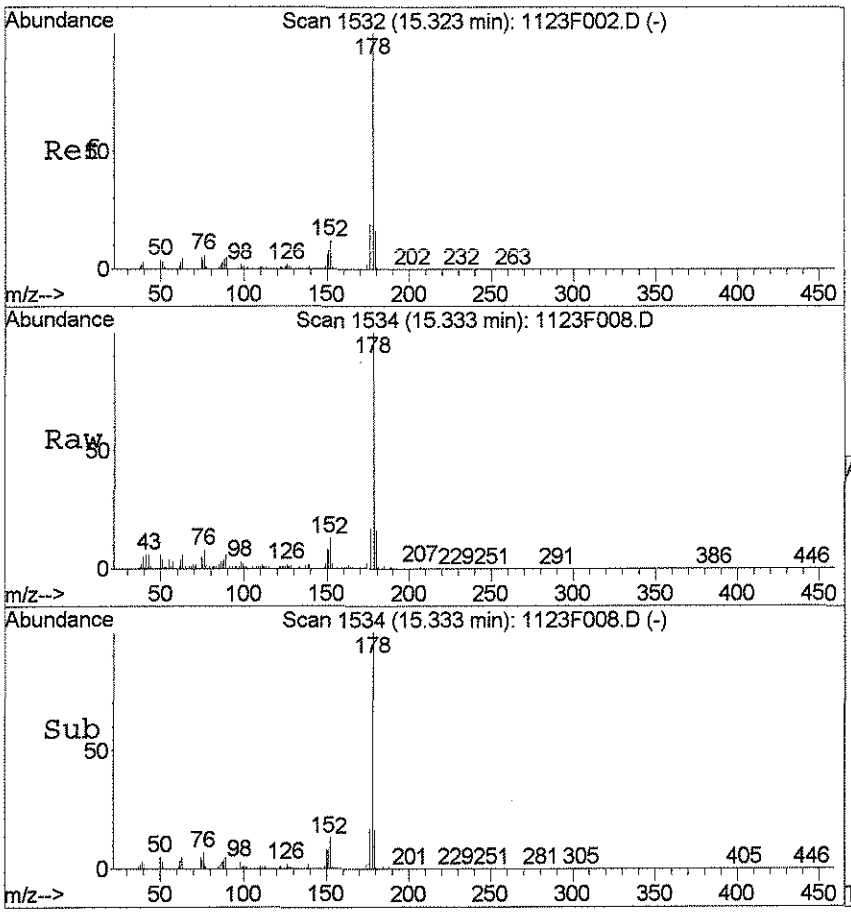


#55
Diethyl Phthalate
Concen: 22.61 ng/ml
RT: 13.68 min Scan# 1288
Delta R.T. -0.08 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:149 Resp: 4892

Ion	Ratio	Lower	Upper
149	100		
177	17.5	0.0	51.7
150	18.9	0.0	41.7

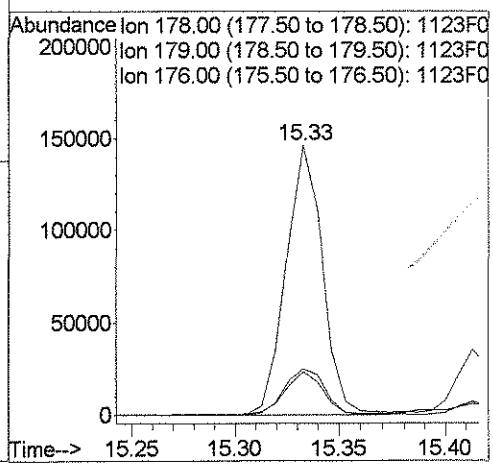


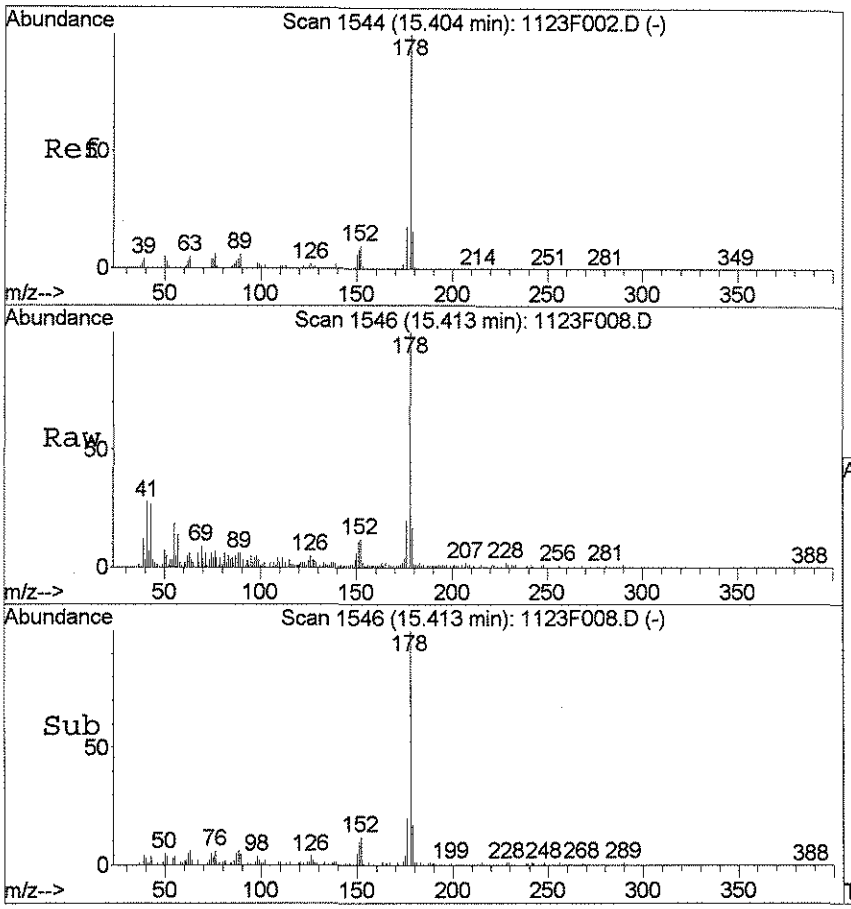


#65
Phenanthrene
Concen: 684.15 ng/ml
RT: 15.33 min Scan# 1534
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:178 Resp: 177865

Ion	Ratio	Lower	Upper
178	100		
179	15.8	0.0	45.6
176	17.2	0.0	49.0

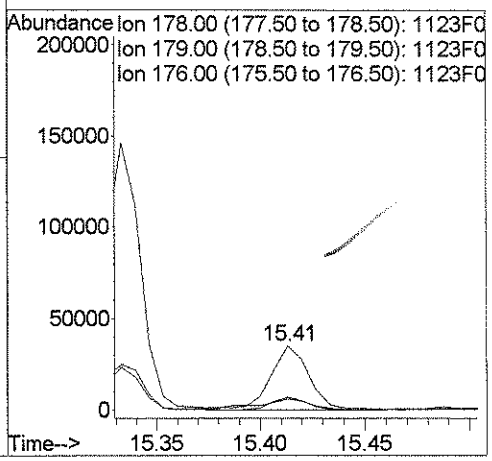


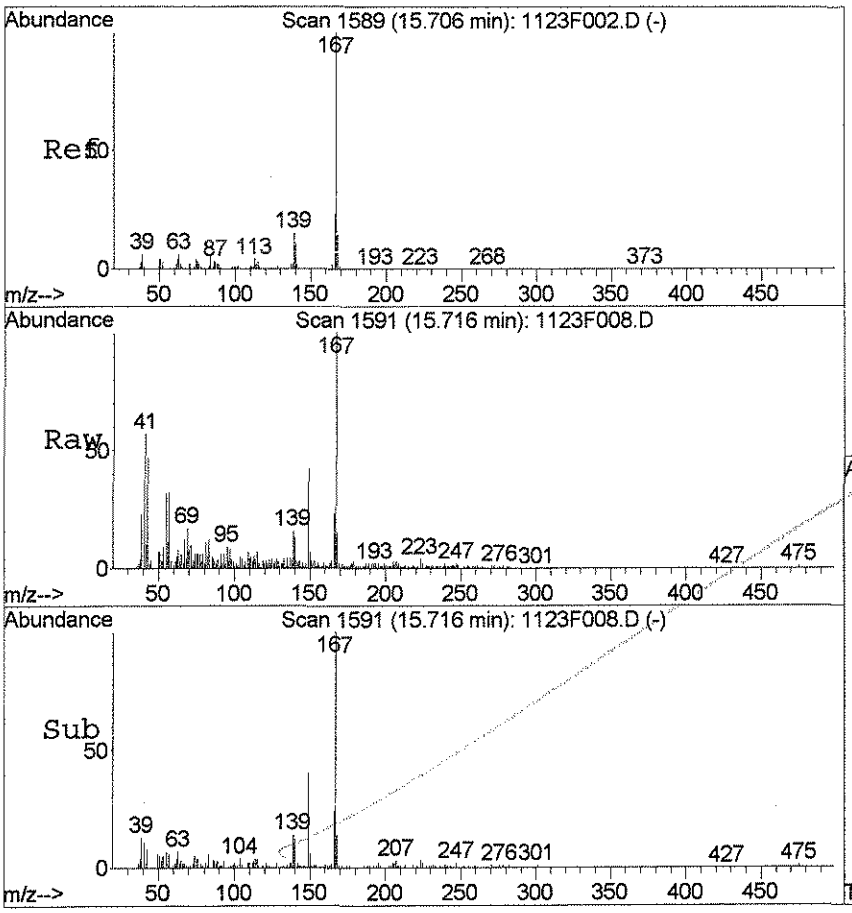


#66
Anthracene
Concen: 168.28 ng/ml
RT: 15.41 min Scan# 1546
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:178 Resp: 45461

Ion	Ratio	Lower	Upper
178	100		
179	16.0	0.0	45.9
176	19.5	0.0	48.4

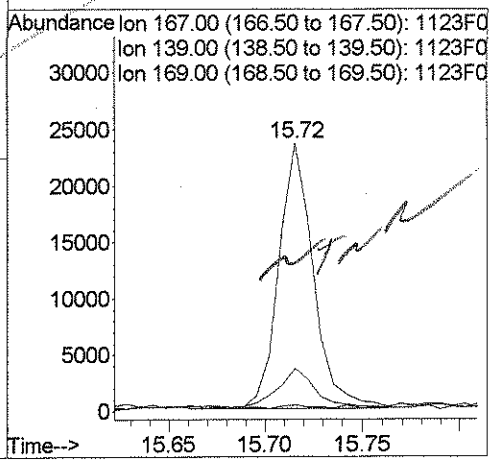


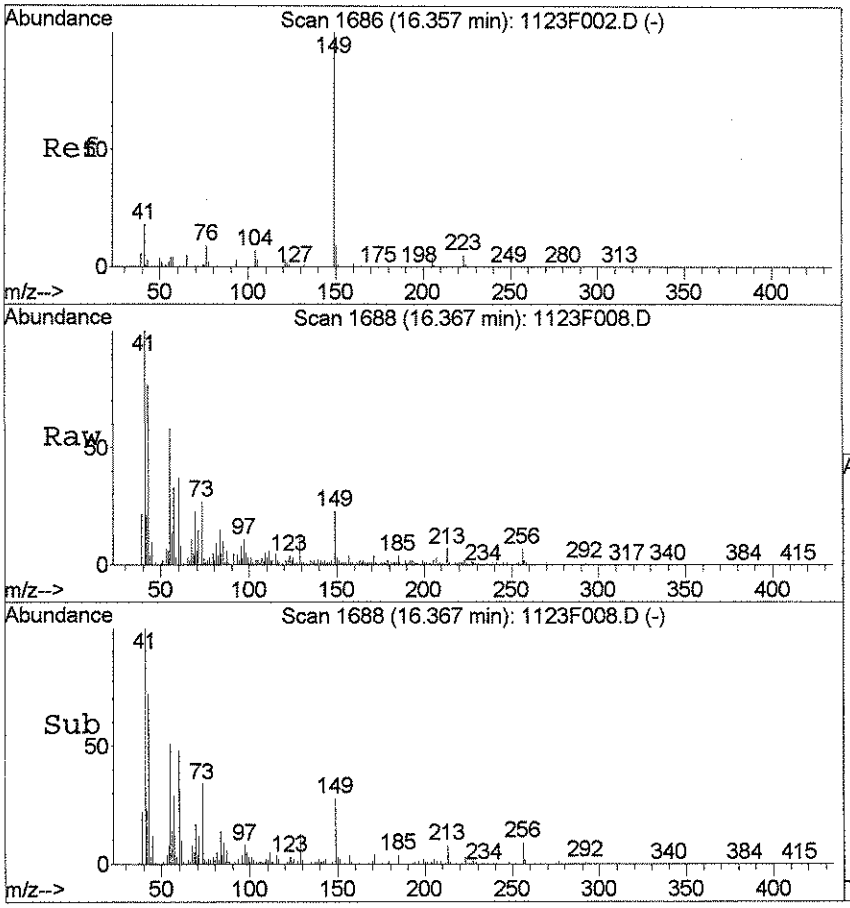


#67
Carbazole
Concen: 125.40 ng/ml
RT: 15.72 min Scan# 1591
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:167 Resp: 29612

Ion	Ratio	Lower	Upper
167	100		
139	14.8	0.0	44.6
169	1.1	0.0	30.9

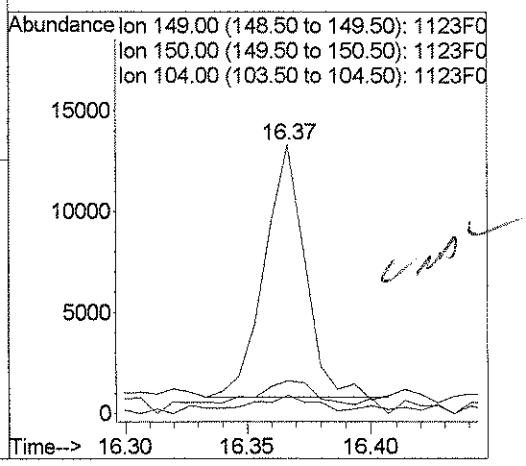


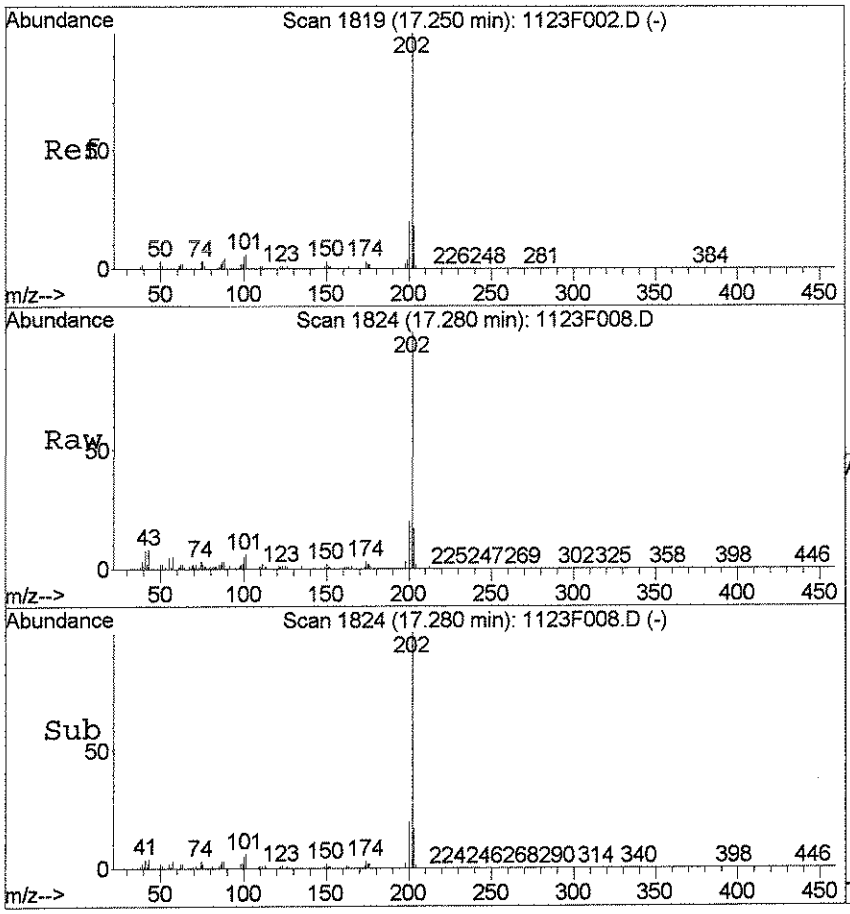


#68
Di-n-butyl Phthalate
Concen: 43.84 ng/ml
RT: 16.37 min Scan# 1688
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:149 Resp: 14459

Ion	Ratio	Lower	Upper
149	100		
150	12.9	0.0	38.8
104	5.5	0.0	36.3

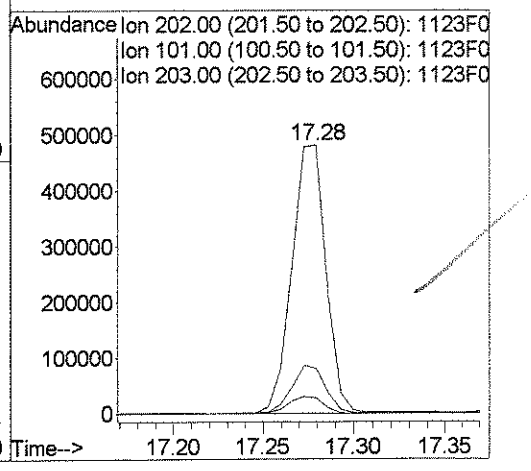


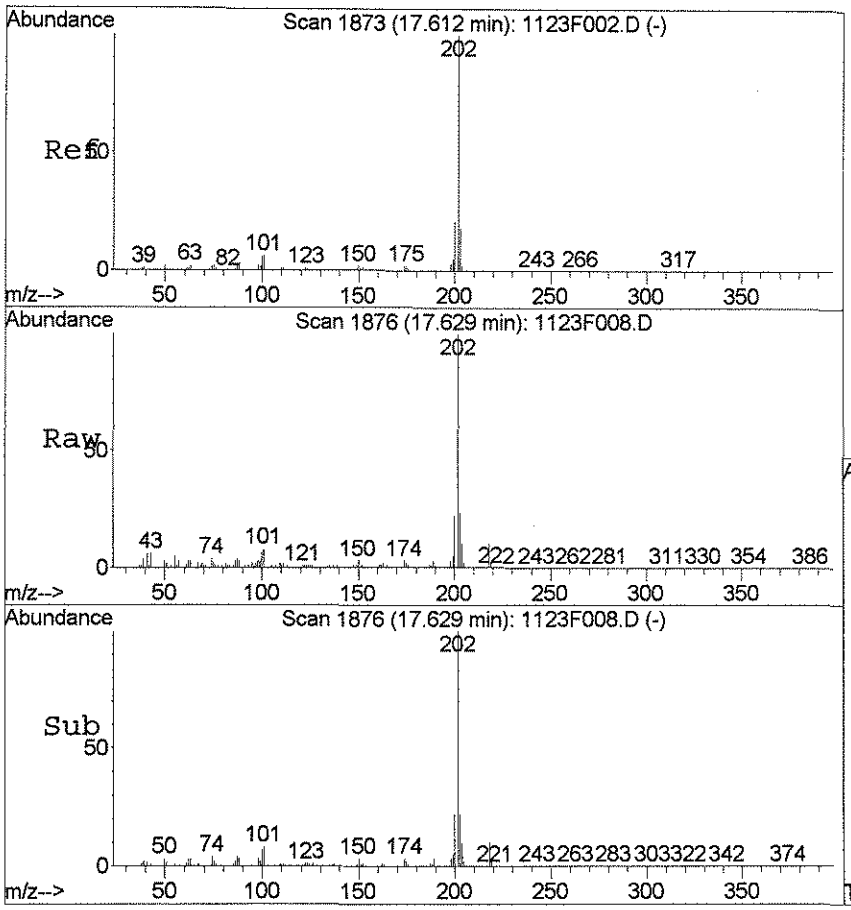


#69
Fluoranthene
Concen: 1953.99 ng/ml
RT: 17.28 min Scan# 1824
Delta R.T. -0.05 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:202 Resp: 633080

Ion	Ratio	Lower	Upper
202	100		
101	5.7	0.0	36.1
203	16.7	0.0	47.2

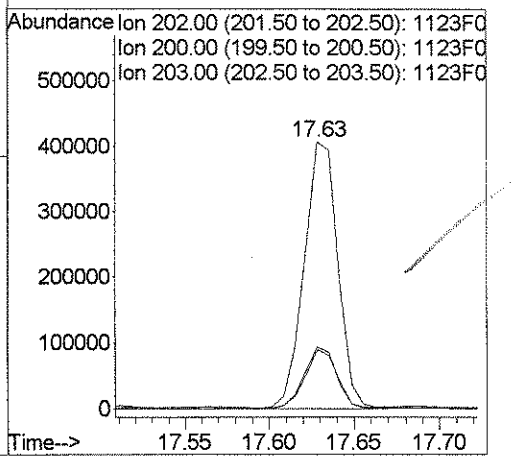


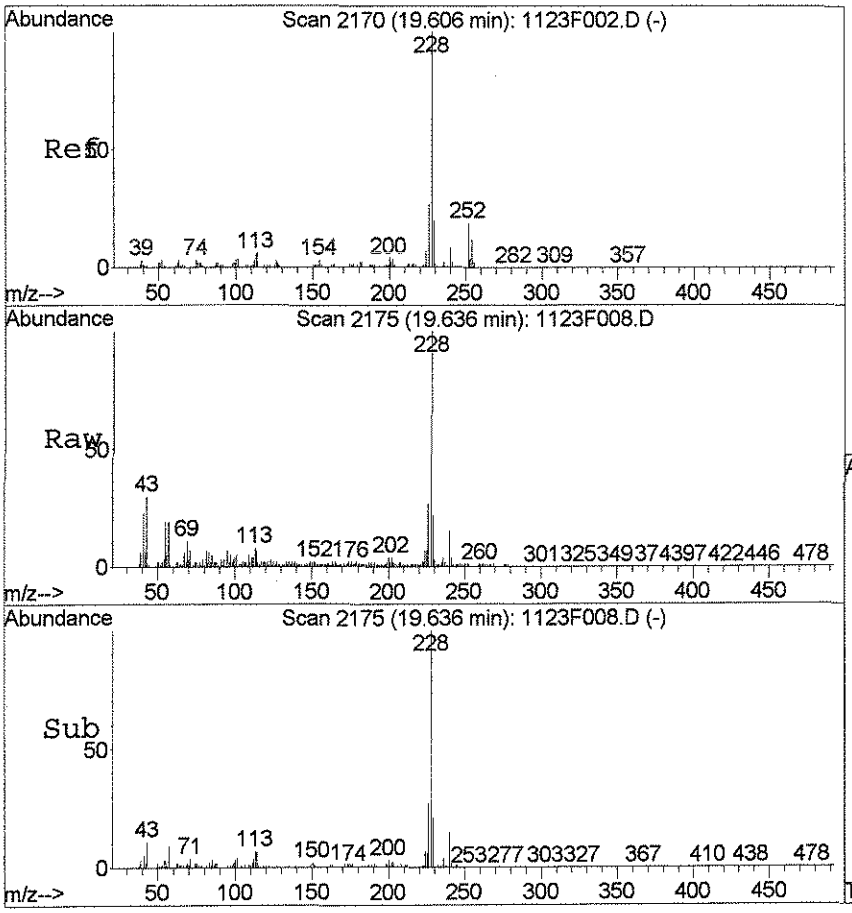


#72
Pyrene
Concen: 1809.58 ng/ml
RT: 17.63 min Scan# 1876
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:202 Resp: 564306

Ion	Ratio	Lower	Upper
202	100		
200	21.8	0.0	51.0
203	22.5	0.0	47.0

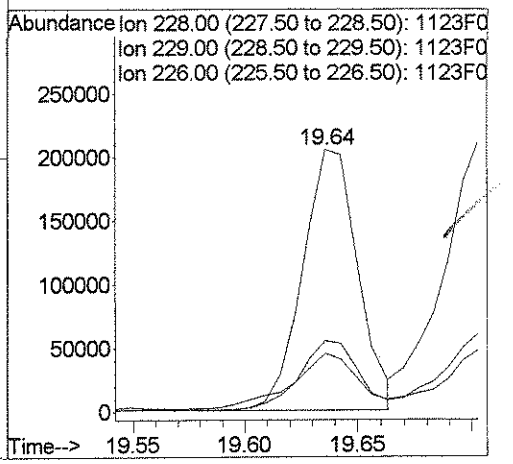


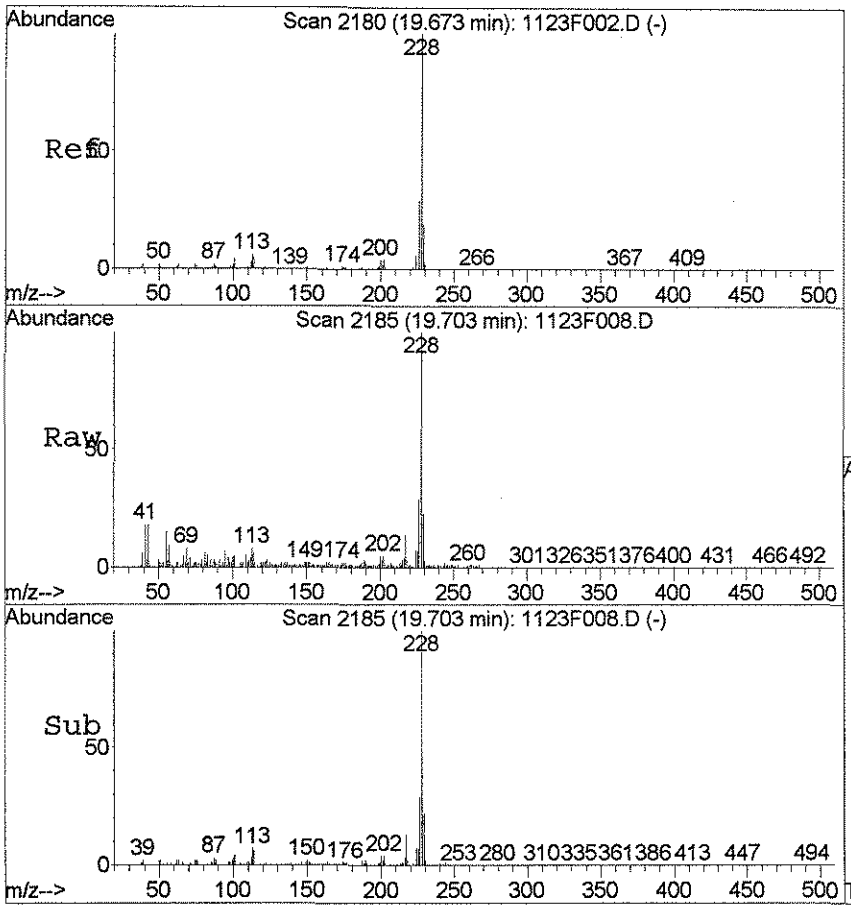


#76
Benz(a)anthracene
Concen: 1160.23 ng/ml
RT: 19.64 min Scan# 2175
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:228 Resp: 347258

Ion	Ratio	Lower	Upper
228	100		
229	21.1	0.0	49.4
226	26.6	0.0	57.7

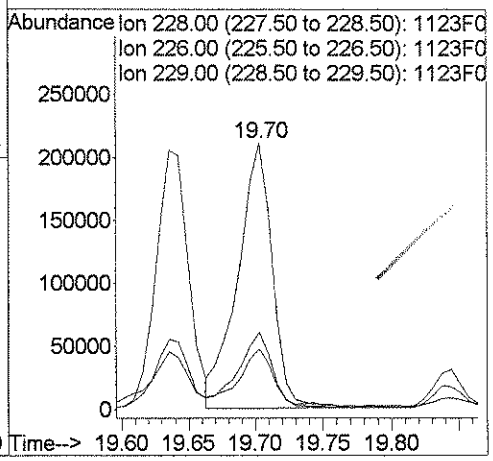


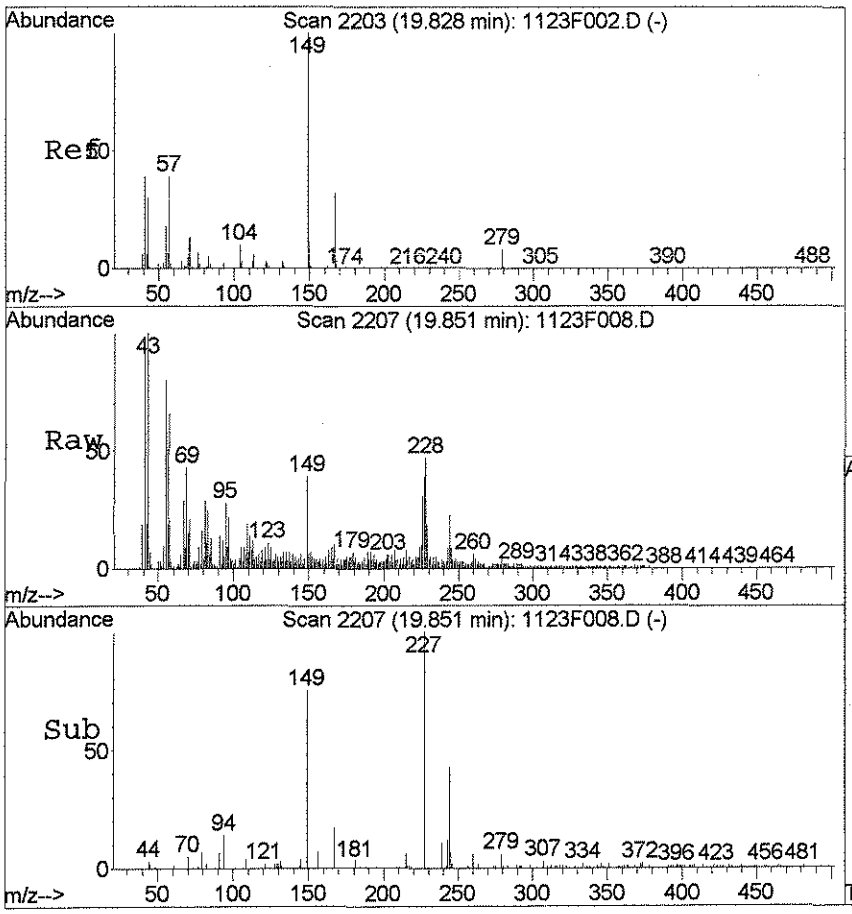


#77
Chrysene
Concen: 1271.56 ng/ml
RT: 19.70 min Scan# 2185
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:228 Resp: 379469

Ion	Ratio	Lower	Upper
228	100		
226	28.5	0.0	58.9
229	21.6	0.0	49.4

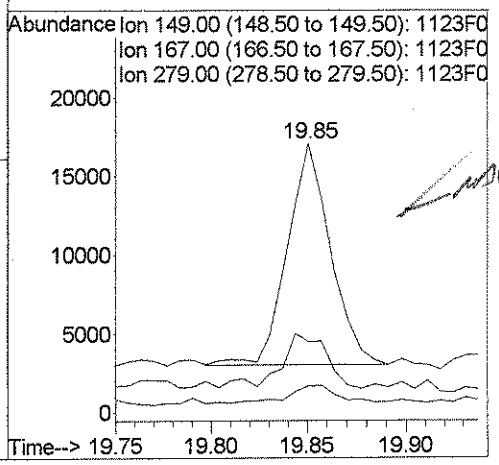


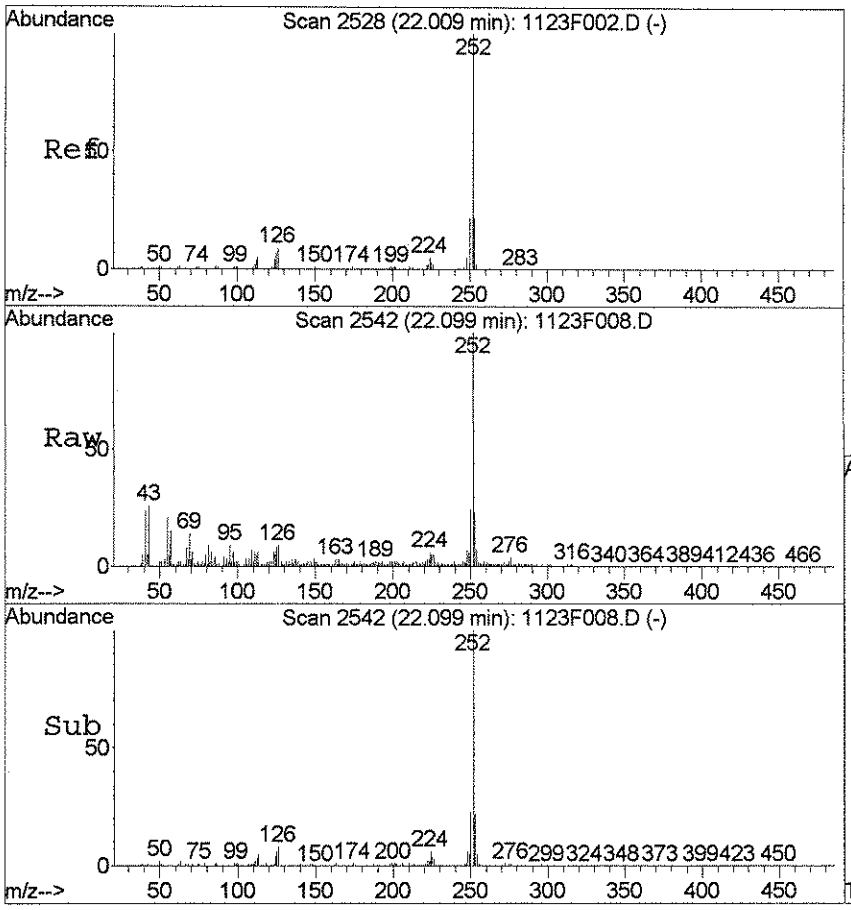


#78
Bis(2-ethylhexyl) Phthalate
Concen: 119.74 ng/ml
RT: 19.85 min Scan# 2207
Delta R.T. -0.09 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:149 Resp: 21633

Ion	Ratio	Lower	Upper
149	100		
167	20.6	2.1	62.1
279	7.7	0.0	39.6

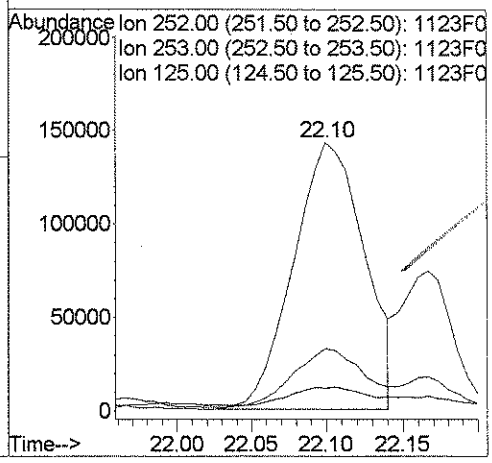


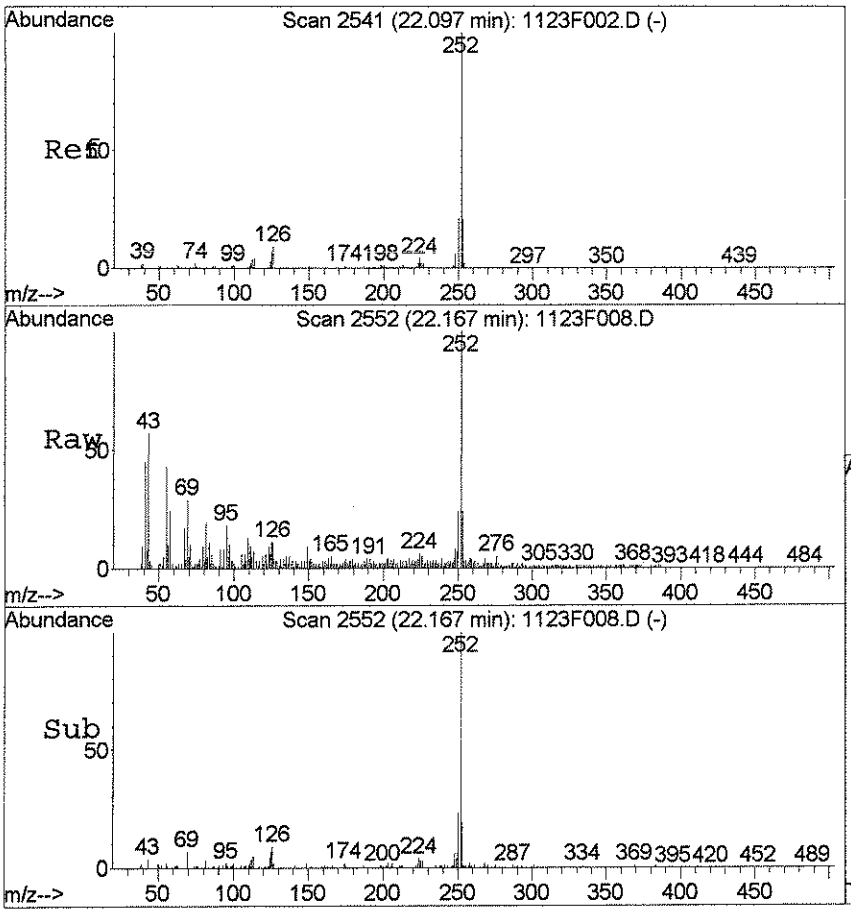


#81
Benzo(b)fluoranthene
Concen: 1638.14 ng/ml
RT: 22.10 min Scan# 2542
Delta R.T. -0.07 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:252 Resp: 464006

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	51.0
125	6.3	0.0	36.4

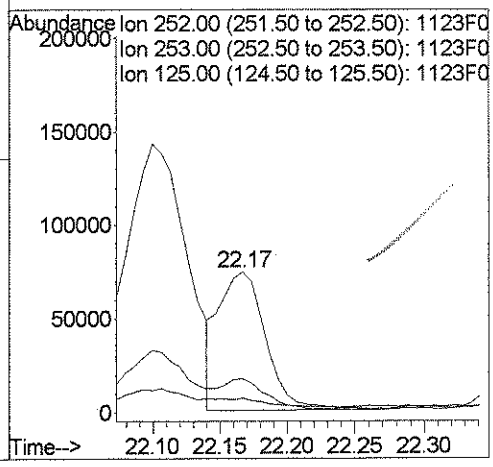


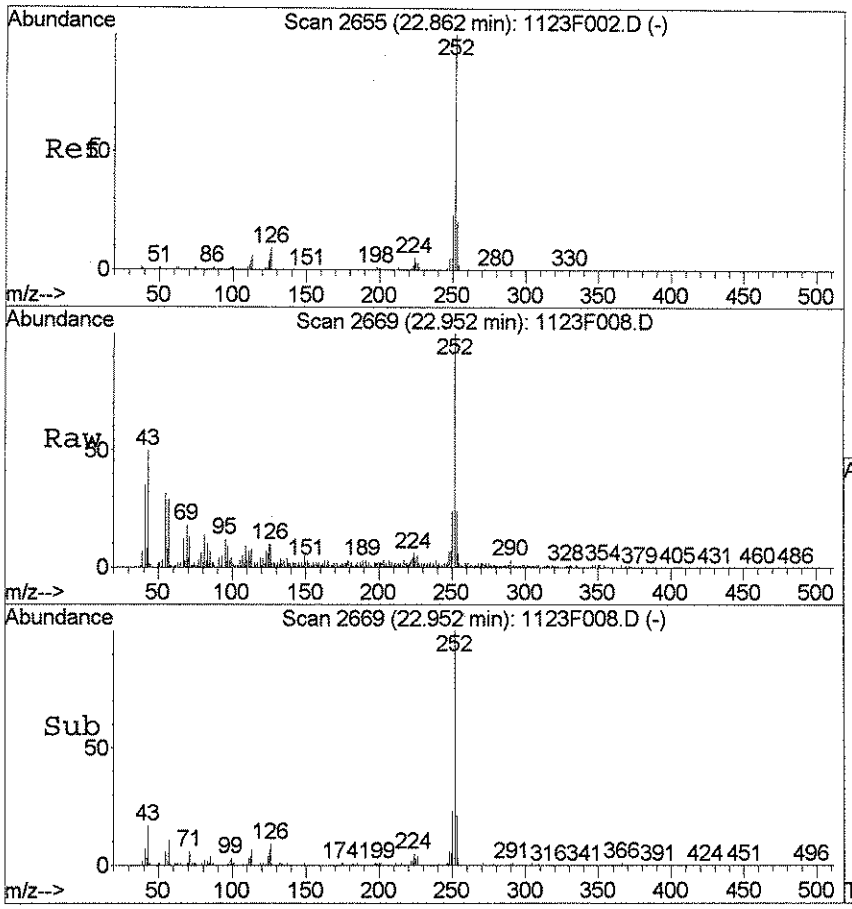


#82
Benzo(k)fluoranthene
Concen: 597.07 ng/ml
RT: 22.17 min Scan# 2552
Delta R.T. -0.08 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:252 Resp: 179410

Ion	Ratio	Lower	Upper
252	100		
253	22.1	0.0	51.3
125	5.9	0.0	36.2

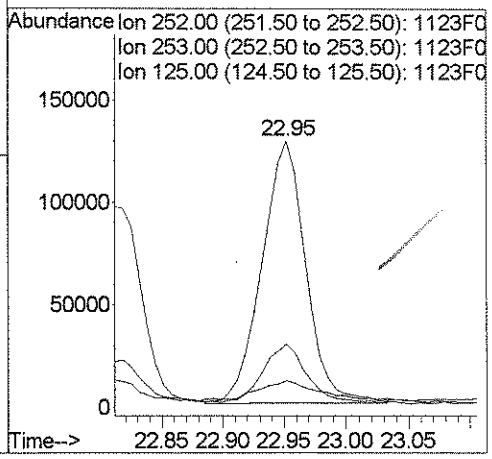


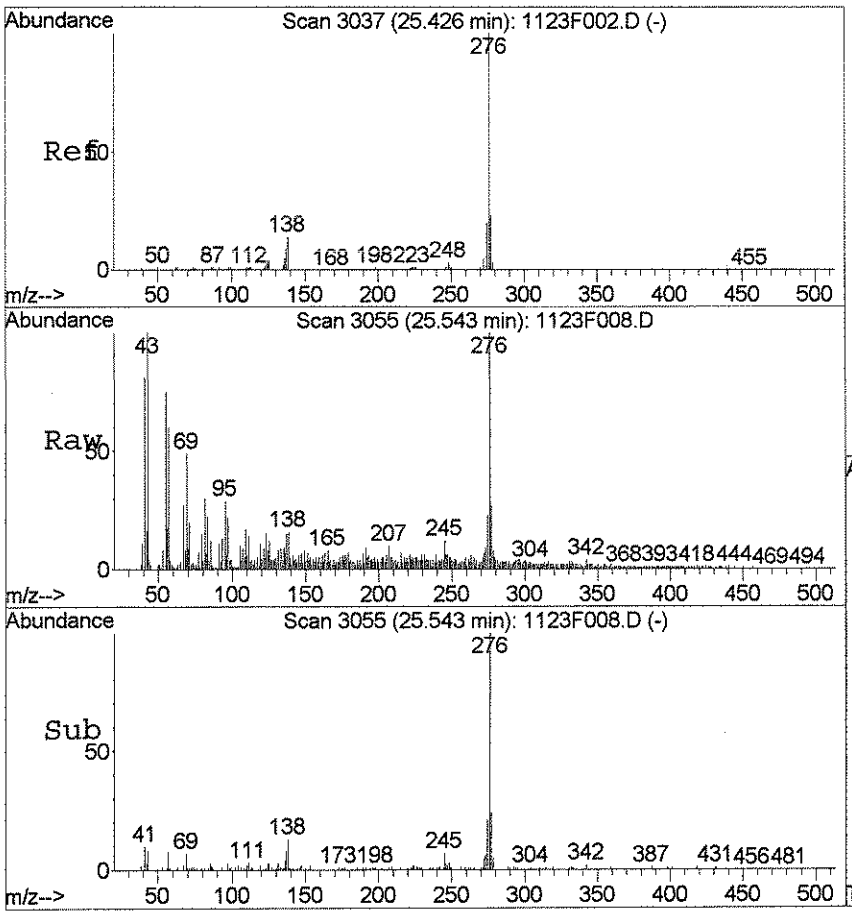


#83
Benzo(a)pyrene
Concen: 1345.72 ng/ml
RT: 22.95 min Scan# 2669
Delta R.T. -0.06 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:252 Resp: 319143

Ion	Ratio	Lower	Upper
252	100		
253	22.0	0.0	50.3
125	7.1	0.0	37.0

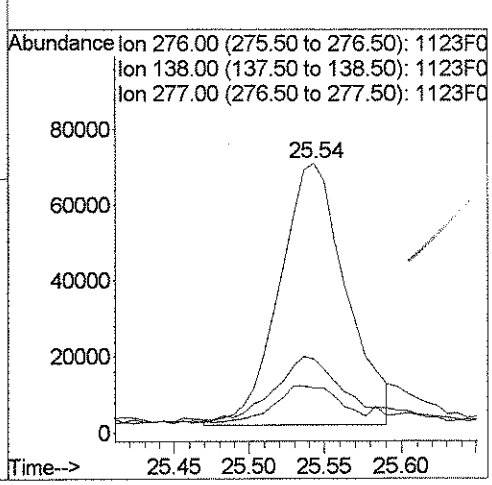


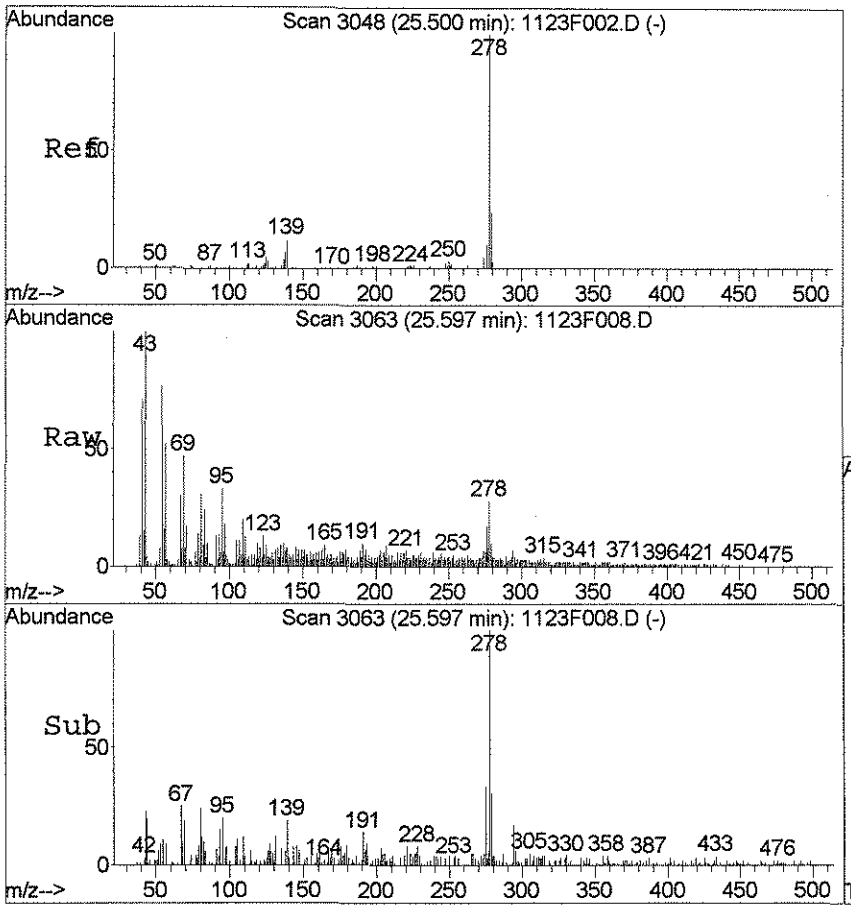


#84
Indeno(1,2,3-cd)pyrene
Concen: 981.65 ng/ml m
RT: 25.54 min Scan# 3055
Delta R.T. -0.00 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:276 Resp: 209784

Ion	Ratio	Lower	Upper
276	100		
138	16.5	0.0	44.3
277	27.1	0.0	53.0

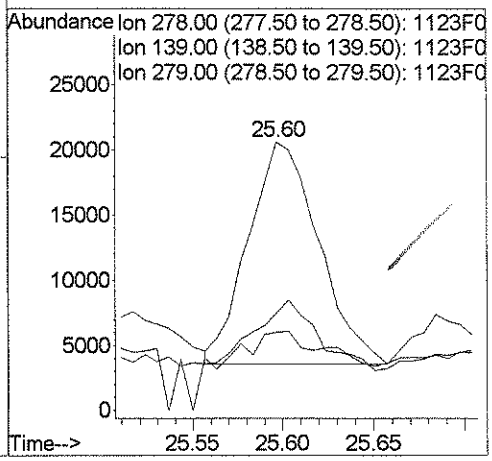


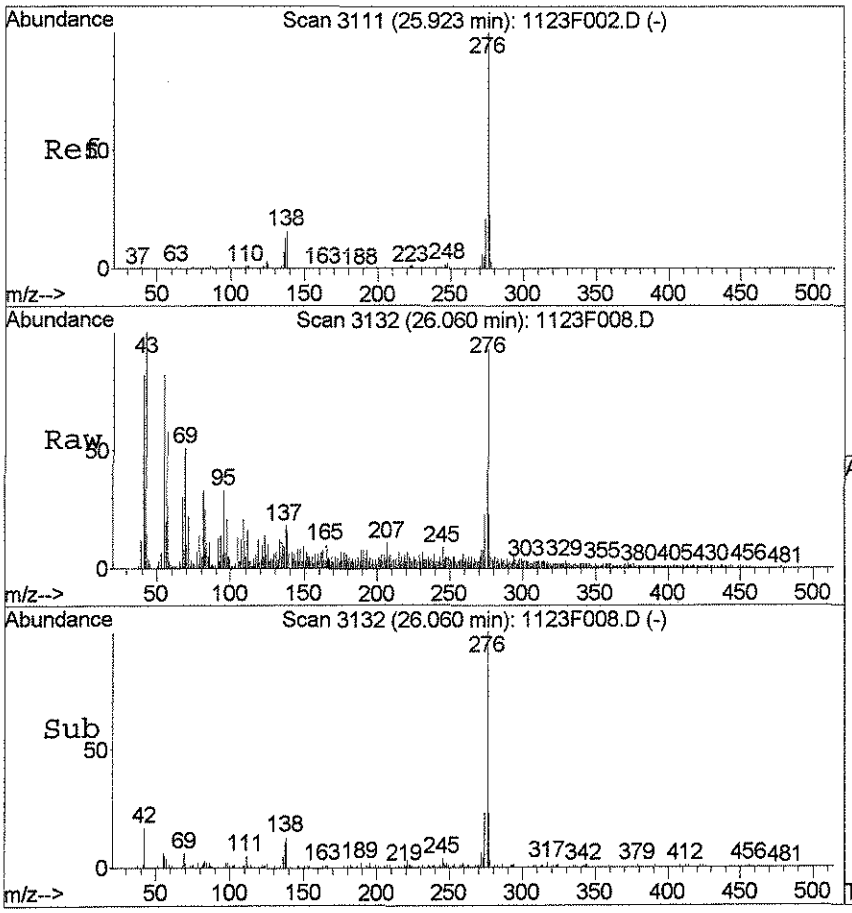


#85
Dibenz(a,h)anthracene
Concen: 205.01 ng/ml
RT: 25.60 min Scan# 3063
Delta R.T. -0.03 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:278 Resp: 46008

Ion	Ratio	Lower	Upper
278	100		
139	13.8	0.0	41.6
279	25.2	0.0	54.0

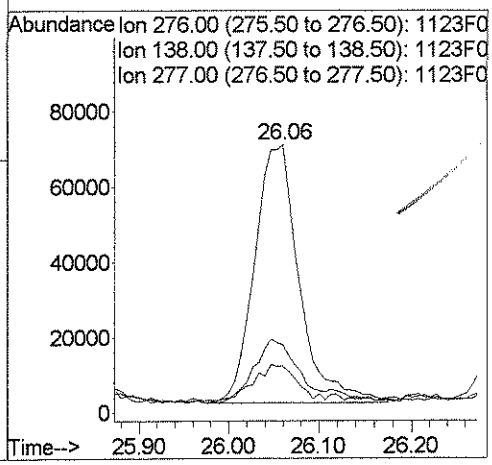




#86
Benzo(g,h,i)perylene
Concen: 1005.14 ng/ml
RT: 26.06 min Scan# 3132
Delta R.T. 0.01 min
Lab File: 1123F008.D
Acq: 23 Nov 2010 5:32 pm

Tgt Ion:276 Resp: 236596

Ion	Ratio	Lower	Upper
276	100		
138	13.0	0.0	44.2
277	21.9	0.0	52.7



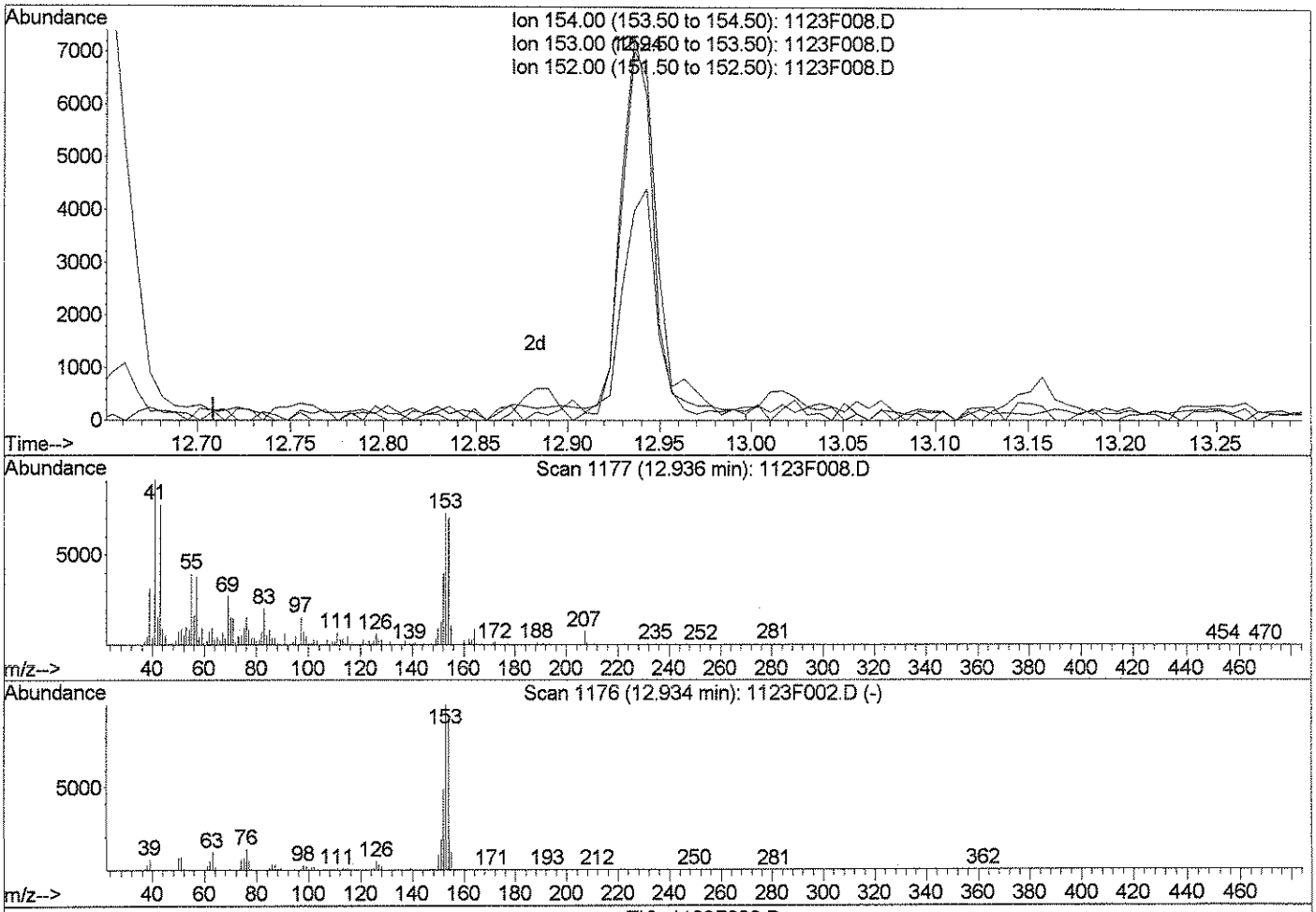
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F008.D
Acq On : 23 Nov 2010 5:32 pm
Sample : K1012914-010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:35 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



TIC: 1123F008.D

(46) Acenaphthene (TC)

12.94min 68.02ng/ml

response 9880

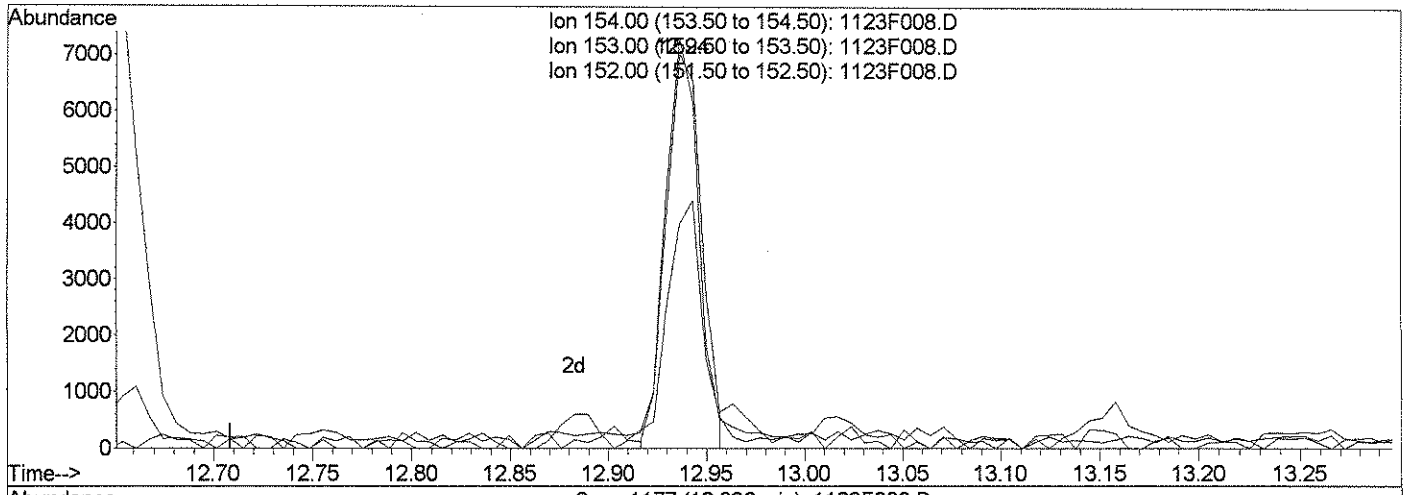
Ion	Exp%	Act%
154.00	100	100
153.00	109.90	100.45
152.00	53.40	54.17
0.00	0.00	0.00

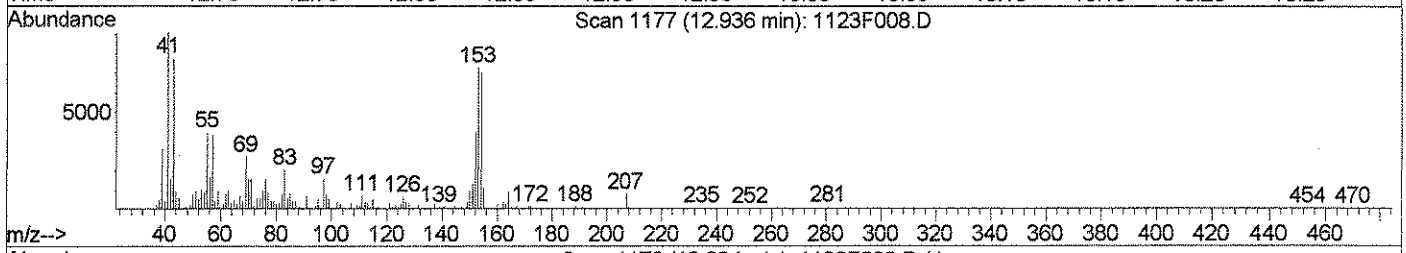
Quantitation Report (Qedit)

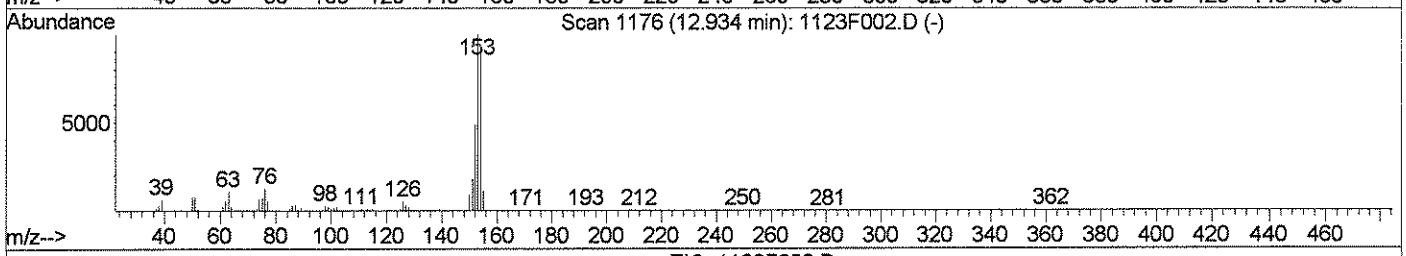
Data File : J:\MS06\DATA\112310\1123F008.D
Acq On : 23 Nov 2010 5:32 pm
Sample : K1012914-010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:35 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F008.D

(46) Acenaphthene (TC)

12.94min 61.55ng/ml m

response 8940

Ion	Exp%	Act%
154.00	100	100
153.00	109.90	104.01
152.00	53.40	56.54
0.00	0.00	0.00

01
LB 11/24/10

1123F008.D 111510_BNLL.M Wed Nov 24 08:35:34 2010

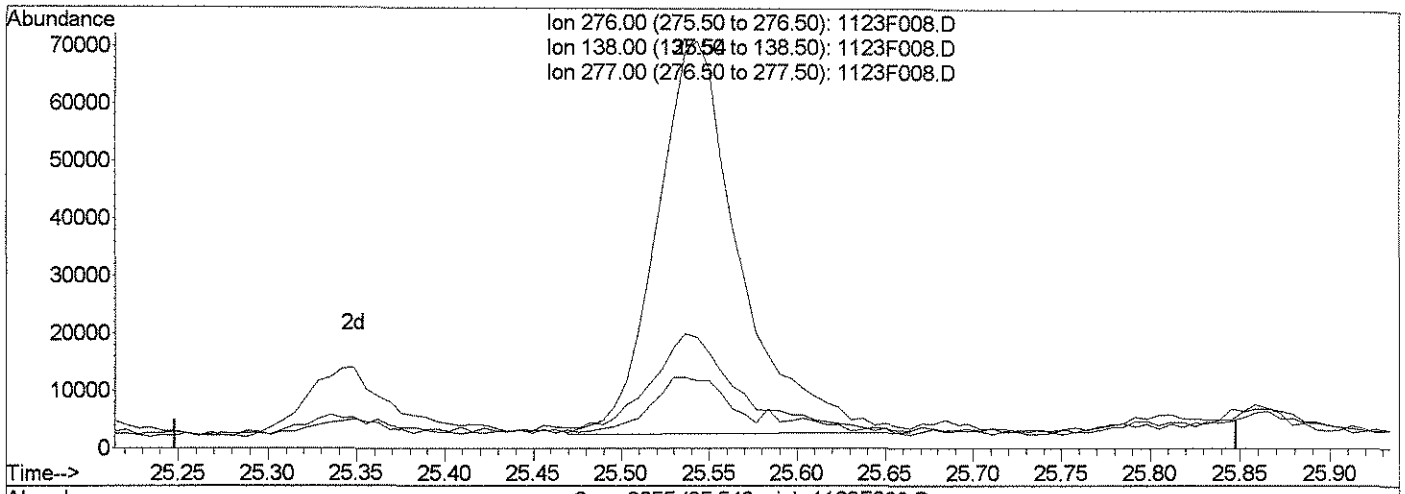
Quantitation Report (Qedit)

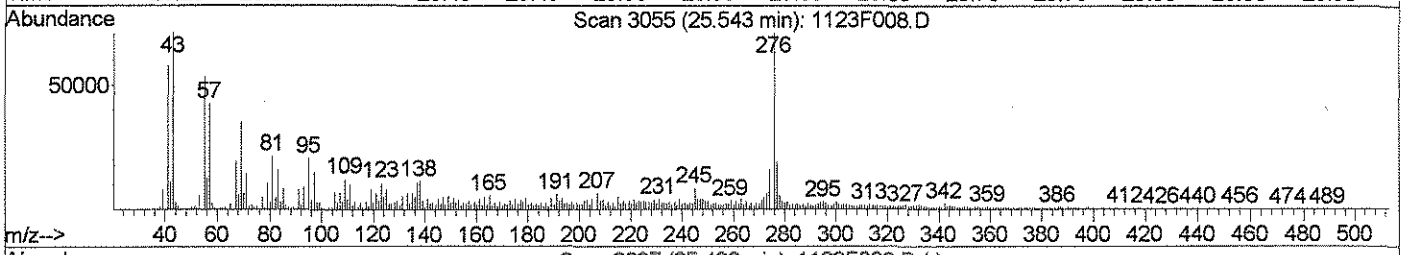
Data File : J:\MS06\DATA\112310\1123F008.D
Acq On : 23 Nov 2010 5:32 pm
Sample : K1012914-010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:36 2010

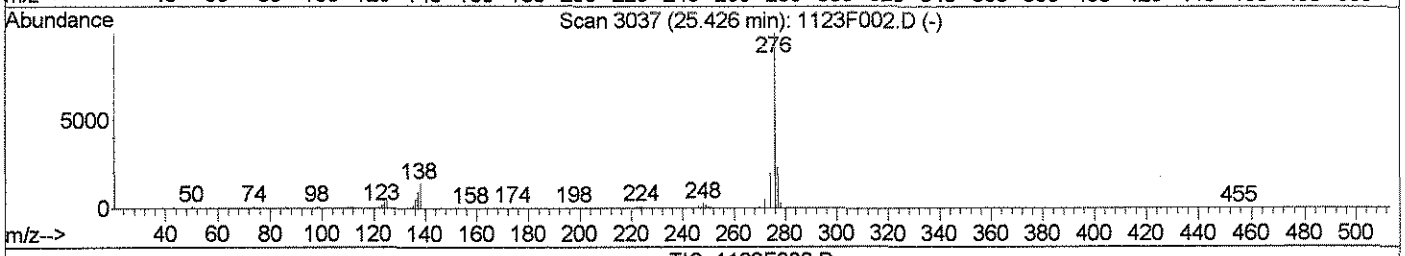
Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F008.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.54min 1050.07ng/ml

response 224405

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	13.75
277.00	23.00	23.81
0.00	0.00	0.00

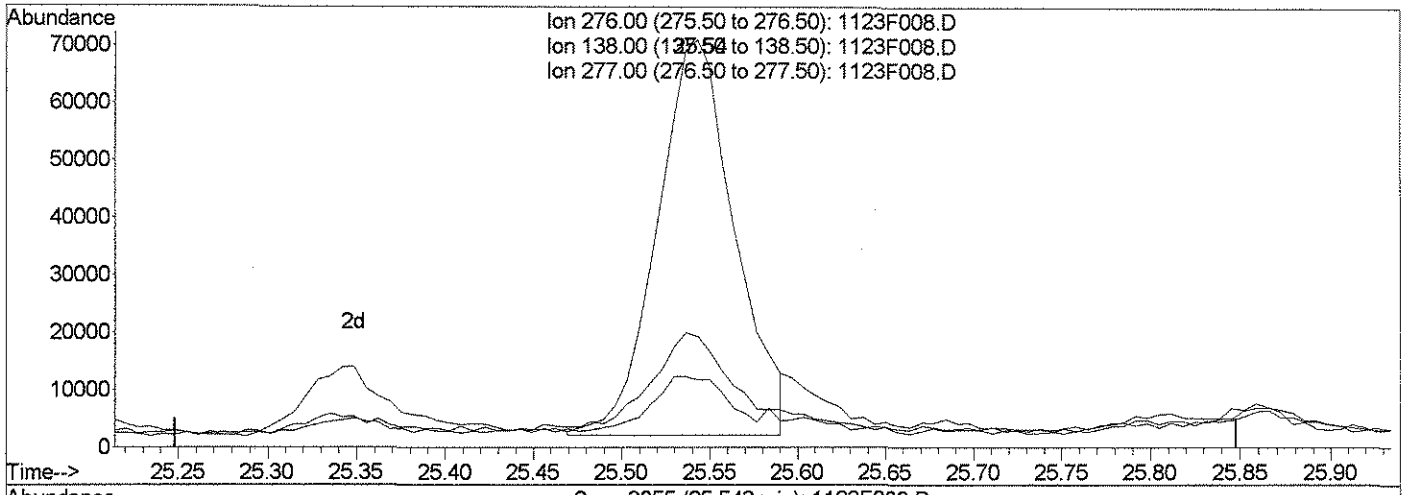
Quantitation Report (Qedit)

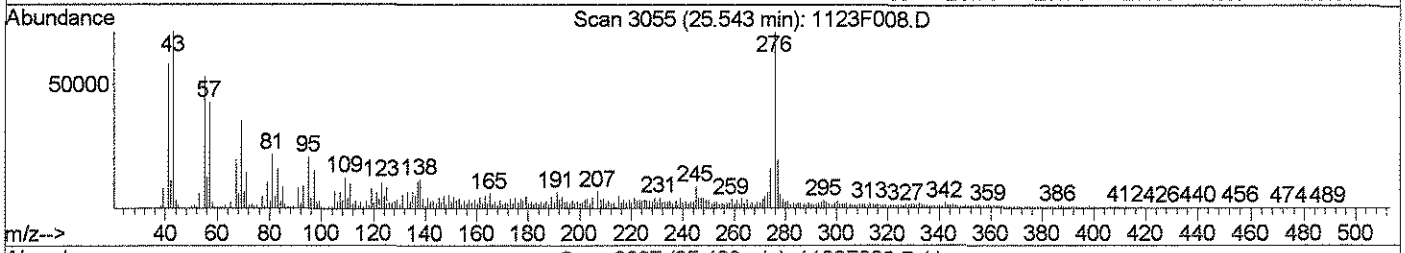
Data File : J:\MS06\DATA\112310\1123F008.D
Acq On : 23 Nov 2010 5:32 pm
Sample : K1012914-010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:36 2010

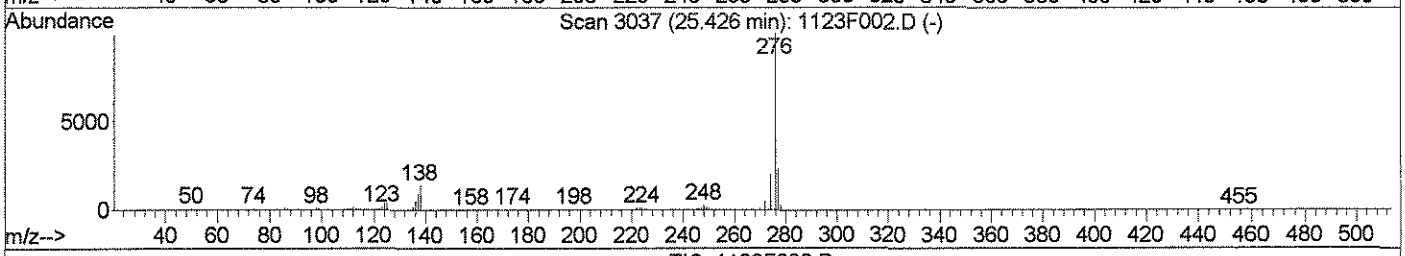
Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F008.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.54min 981.65ng/ml m

response 209784

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	16.50
277.00	23.00	27.13
0.00	0.00	0.00

01

LB 11/24/10

P

1123F008.D 111510_BNLL.M Wed Nov 24 08:36:37 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	300	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	60	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	180	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	60	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	60	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	60	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	60	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	60	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	60	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	300	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	60	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	60	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	60	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	300	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	60	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**30**	JD	60	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	60	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	600	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	60	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	60	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	600	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	60	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	60	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	600	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**45**	JD	60	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**88**	D	60	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**100**	D	60	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	60	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	600	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**58**	JD	60	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**48**	JD	60	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	600	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	**1700**	D	60	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**74**	D	60	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**35**	JD	60	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**66**	D	60	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**70**	D	60	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**93**	D	60	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	36	11-80	11/23/10	Acceptable
Phenol-d6	51	20-86	11/23/10	Acceptable
Nitrobenzene-d5	79	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	72	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	45	10-119	11/23/10	Acceptable
Terphenyl-d14	96	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F012.D
Lab ID: K1012914-016
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/23/2010 20:03
Date Quantitated: 11/24/2010 08:46
Batch ID: KWG1012886
Analysis Method: 8270C
ListJoinID: LJ12105

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x — Base run due to matrix (dark extract)

Primary Review: LB 11/24/10

Secondary Review: [illegible] 11/24/10

Quantitation Report

Bottle ID:	03	**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979838	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12105
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112310\1123F012.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 20:03	**Quant Date:**	11/24/2010 08:46	**Vial:**	12
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-016			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.22	0.03	152	74618	1,000.00	OK
2	Naphthalene-d8	10.10	0.03	136	222289	1,000.00	OK
3	Acenaphthene-d10	12.90	0.03	164	118822	1,000.00	OK
4	Phenanthrene-d10	15.31	0.03	188	244185	1,000.00	OK
5	Chrysene-d12	19.69	0.07	240	264832	1,000.00	OK
6	Perylene-d12	23.19	0.19	264	244145	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.62	0.06	0.00	112	9938	134.68	36	11-80 OK	
1	Phenol-d6	7.79	0.04	0.00	99	16472	190.21	51	20-86 OK	
1	Nitrobenzene-d5	9.02	0.02	0.00	82	19442	197.83	79	27-91 OK	
3	2-Fluorobiphenyl	11.84	0.01	0.00	172	35264	180.52	72	25-97 OK	
4	2,4,6-Tribromophenol	14.20	0.03	0.00	330	7235	169.66	45	10-119 OK	
5	Terphenyl-d14	17.97	0.04	0.00	244	50061	239.58	96	33-129 OK	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		61	U	
1	Bis(2-chloroethyl) Ether				93	0		19	U	
1	Phenol				94	0		20	U	
1	2-Chlorophenol				128	0		20	U	
1	Bis(2-chloroisopropyl) Ether				45	0d		26	U	
1	Hexachloroethane				117	0		31	U	
1	N-Nitrosodi-n-propylamine				70	0d		24	U	
1	Nitrobenzene				77	0d		22	U	
2	Isophorone				82	0		10	U	
2	2-Nitrophenol				139	0		15	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F012.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 20:03	**Quant Date:**	11/24/2010 08:46	**Vial:**	12
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-016			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0		55	U	
2	Bis(2-chloroethoxy)methane				93	0**d**		15	U	
2	2,4-Dichlorophenol				162	0		10	U	
2	Naphthalene	10.13	0.02	0.00	128	2426**m**	10.96	23	U	
2	Hexachlorobutadiene				225	0		25	U	
2	4-Chloro-3-methylphenol				107	0		14	U	
3	Hexachlorocyclopentadiene				237	0		290	U	
3	2,4,6-Trichlorophenol				196	0		14	U	
3	2-Chloronaphthalene				127	0		16	U	
3	Acenaphthylene	12.67	0.03	0.00	152	4126	17.93	12	U	
3	Dimethyl Phthalate	12.54	0.01	0.00	163	9154**m**	49.60	30	JD	
3	2,6-Dinitrotoluene				165	0**d**		20	U	
3	Acenaphthene	12.95	0.02	0.00	154	1145	8.71	14	U	
3	2,4-Dinitrophenol				184	0		170	U	
3	4-Nitrophenol				109	0		180	U	
3	2,4-Dinitrotoluene				165	0		15	U	
3	Fluorene	13.80	0.03	0.00	166	1637	9.72	11	U	
3	4-Chlorophenyl Phenyl Ether				204	0		14	U	
3	Diethyl Phthalate	13.69		0.00	149	2413	12.33	13	U	
3	2-Methyl-4,6-dinitrophenol				198	0		14	U	
3	N-Nitrosodiphenylamine				169	0**d**		16	U	
3	Azobenzene				77	0**d**		11	U	
4	4-Bromophenyl Phenyl Ether				248	0		16	U	
4	Hexachlorobenzene				284	0		12	U	
4	Pentachlorophenol				266	0		200	U	
4	Phenanthrene	15.35	0.03	0.00	178	18594	75.97	45	JD	
4	Anthracene	15.43	0.03	0.00	178	6059	23.82	16	U	
4	Di-n-butyl Phthalate	16.38	0.02	0.00	149	3260	10.50	79	U	
4	Fluoranthene	17.29	0.04	0.00	202	45118	147.91	88	D	
5	Benzidine				184	0**d**		1200	U	
5	Pyrene	17.66	0.05	0.00	202	47788	167.45	100	D	
5	Butyl Benzyl Phthalate				149	0**d**		32	U	
5	3,3'-Dichlorobenzidine				252	0**d**		37	U	
5	Benz(a)anthracene	19.68	0.07	0.00	228	26643	97.27	58	JD	
5	Chrysene	19.74	0.07	0.00	228	22190**m**	81.25	48	JD	
5	Bis(2-ethylhexyl) Phthalate				149	0**d**		70	U	
6	Di-n-octyl Phthalate	21.37	0.07	0.00	149	781317**m**	2,833	1700	D	
6	Benzo(b)fluoranthene	22.17	0.16	0.00	252	32601**m**	124.39	74	D	
6	Benzo(k)fluoranthene	22.22	0.12	0.00	252	16345**m**	58.79	35	JD	
6	Benzo(a)pyrene	23.05	0.19	0.00	252	24367	111.05	66	D	
6	Indeno(1,2,3-cd)pyrene	25.65	0.22	0.00	276	23116**m**	116.90	70	D	
6	Dibenz(a,h)anthracene				278	0**d**		15	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F012.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 20:03	**Quant Date:**	11/24/2010 08:46	**Vial:**	12
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-016			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene	26.19	0.27	0.00	276	33875**m**	155.54	93	D	

Prep Amount:	40.684 g	**Dilution:**	10.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	82.6 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F012.D Vial: 12
Acq On : 23 Nov 2010 8:03 pm Operator: KBailey
Sample : K1012914-016 10X Inst : MS06
Misc : Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:20 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	74618	1000.00	ng/ml	-0.05
22) Naphthalene-d8	10.10	136	222289	1000.00	ng/ml	-0.05
36) Acenaphthene-d10	12.90	164	118822	1000.00	ng/ml	-0.05
60) Phenanthrene-d10	15.31	188	244185	1000.00	ng/ml	-0.05
70) Chrysene-d12	19.69	240	264832	1000.00	ng/ml	-0.03
79) Perylene-d12	23.19	264	244145	1000.00	ng/ml	0.04

System Monitoring Compounds						
4) 2-Fluorophenol	6.62	112	9938	134.68	ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 110		Recovery = 3.59%#			
6) Phenol-d6	7.79	99	16472	190.21	ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 5.07%#			
20) Nitrobenzene-d5	9.02	82	19442	197.83	ng/ml	-0.05
Spiked Amount 2500.000	Range 30 - 139		Recovery = 7.91%#			
40) 2-Fluorobiphenyl	11.84	172	35264	180.52	ng/ml	-0.06
Spiked Amount 2500.000	Range 37 - 126		Recovery = 7.22%#			
61) 2,4,6-Tribromophenol	14.20	330	7235	169.66	ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 157		Recovery = 4.52%#			
73) Terphenyl-d14	17.97	244	50061	239.58	ng/ml	-0.05
Spiked Amount 2500.000	Range 54 - 158		Recovery = 9.58%#			

Target Compounds						Qvalue
30) Naphthalene	10.13	128	2426m	10.96	ng/ml	
43) Acenaphthylene	12.67	152	4126	17.93	ng/ml	92
44) Dimethyl Phthalate	12.54	163	9154m	49.60	ng/ml	
46) Acenaphthene	12.95	154	1145	8.71	ng/ml	100
53) Fluorene	13.80	166	1637	9.72	ng/ml#	57
55) Diethyl Phthalate	13.69	149	2413	12.33	ng/ml	78
65) Phenanthrene	15.35	178	18594	75.97	ng/ml	93
66) Anthracene	15.43	178	6059	23.82	ng/ml	94
67) Carbazole	15.74	167	4413	19.85	ng/ml	94
68) Di-n-butyl Phthalate	16.38	149	3260	10.50	ng/ml	89
69) Fluoranthene	17.29	202	45118	147.91	ng/ml	97
72) Pyrene	17.66	202	47788	167.45	ng/ml	95
76) Benz(a)anthracene	19.68	228	26643	97.27	ng/ml	98
77) Chrysene	19.74	228	22190m	81.25	ng/ml	
80) Di-n-octyl Phthalate	21.37	149	781317m	2832.52	ng/ml	
81) Benzo(b)fluoranthene	22.17	252	32601m	124.39	ng/ml	
82) Benzo(k)fluoranthene	22.22	252	16345m	58.79	ng/ml	
83) Benzo(a)pyrene	23.05	252	24367	111.05	ng/ml	66
84) Indeno(1,2,3-cd)pyrene	25.65	276	23116m	116.90	ng/ml	
86) Benzo(g,h,i)perylene	26.19	276	33875m	155.54	ng/ml	

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

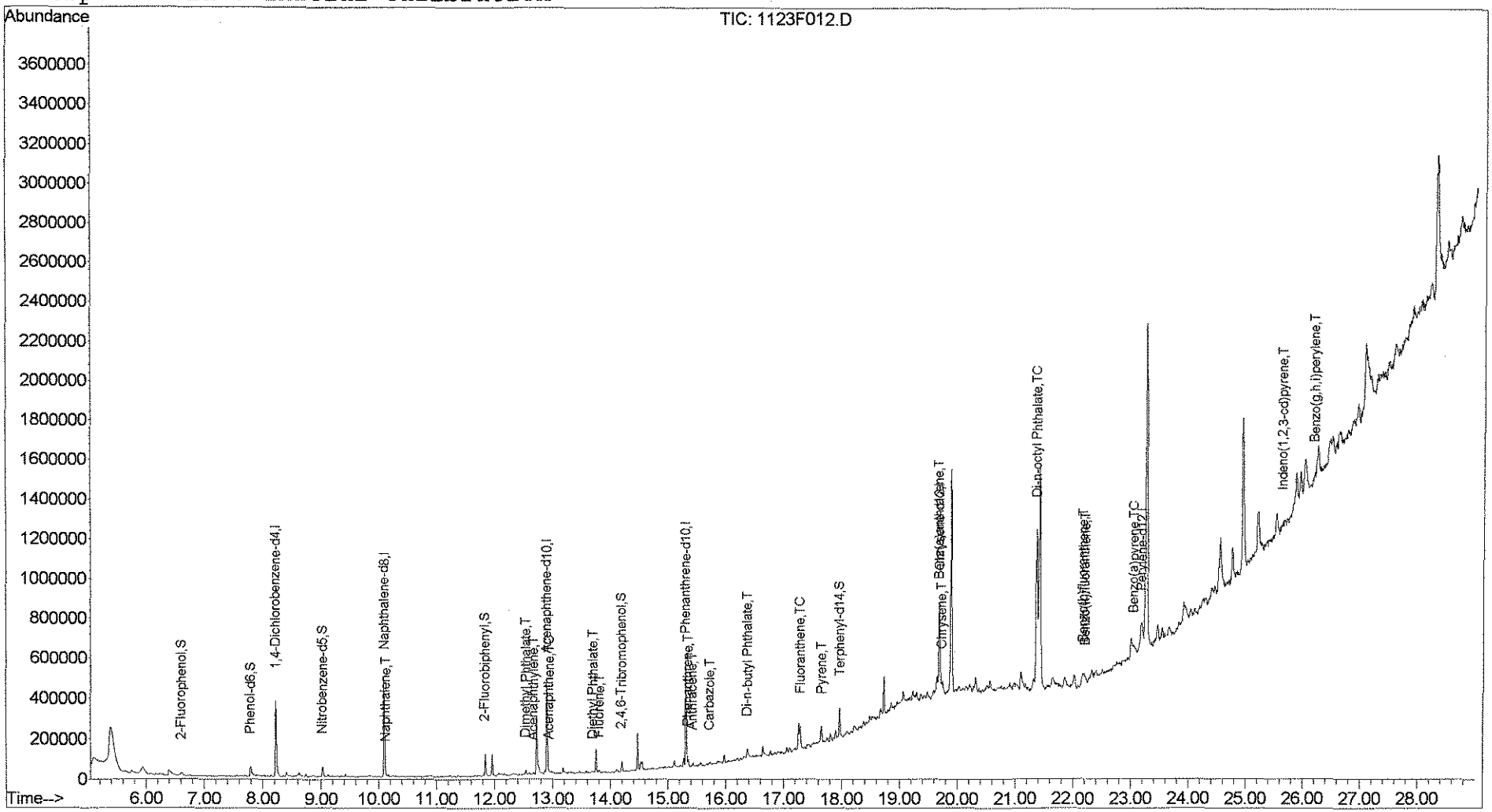
Quantitation Report (QT Reviewed)

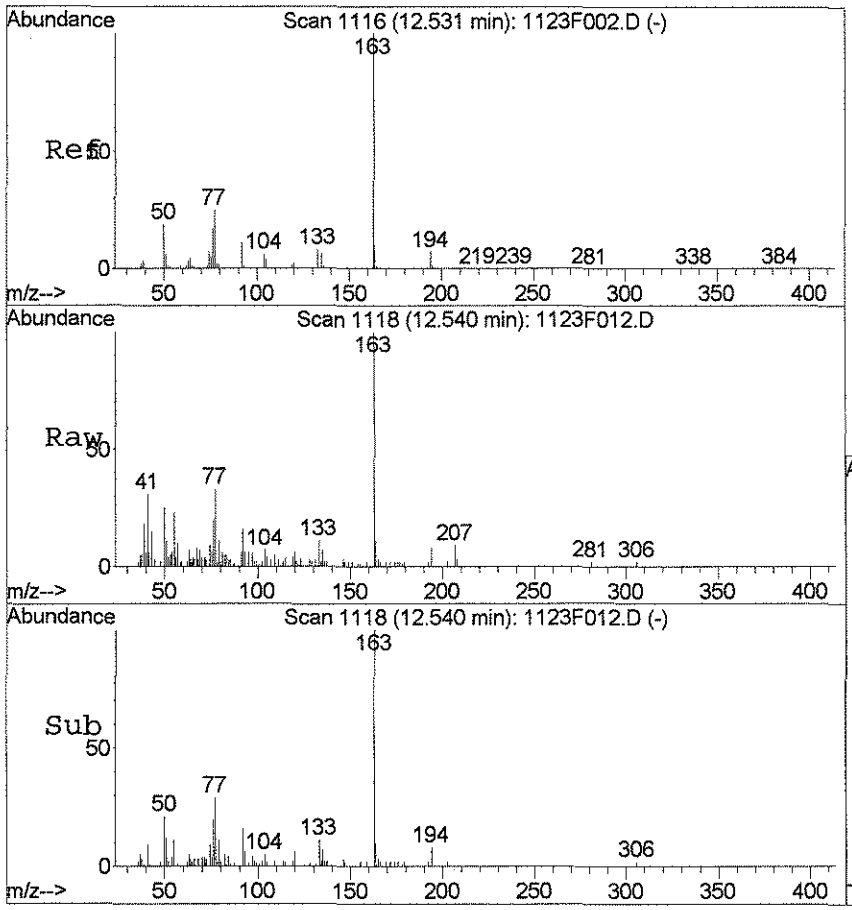
Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:46 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration

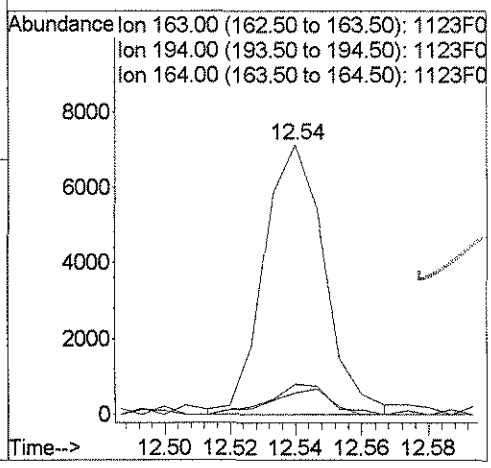


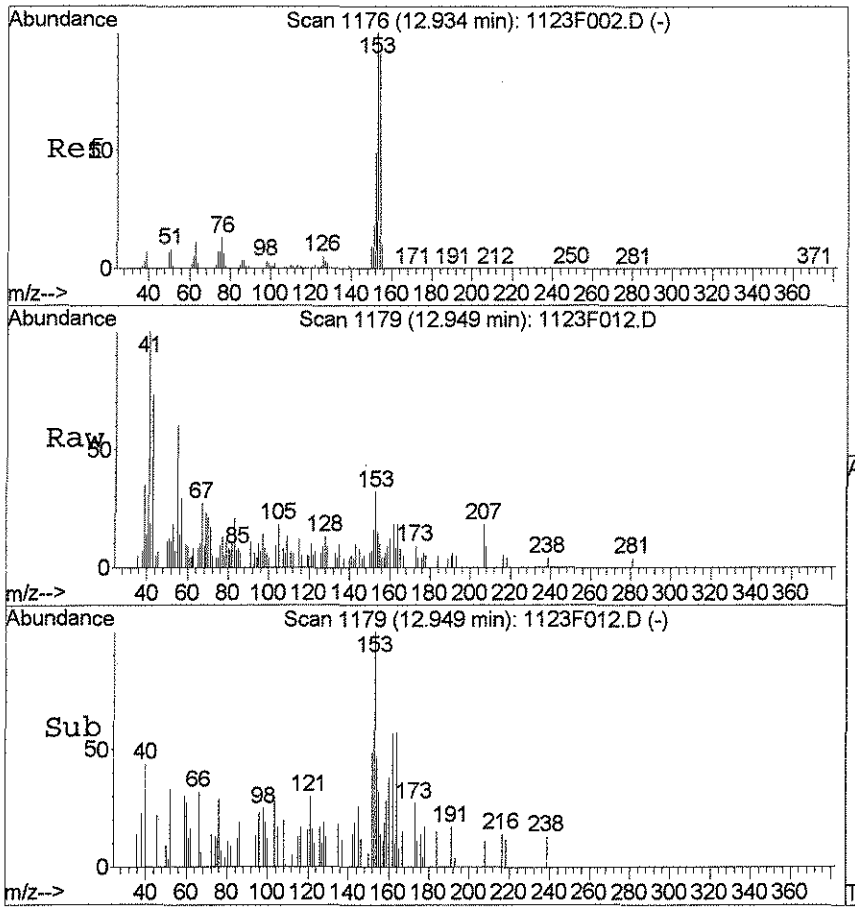


#44
Dimethyl Phthalate
Concen: 49.60 ng/ml m
RT: 12.54 min Scan# 1118
Delta R.T. -0.06 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:163 Resp: 9154

Ion	Ratio	Lower	Upper
163	100		
194	8.0	0.0	37.0
164	11.2	0.0	40.1

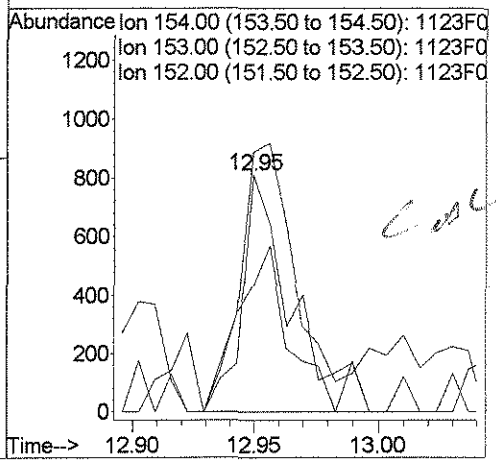


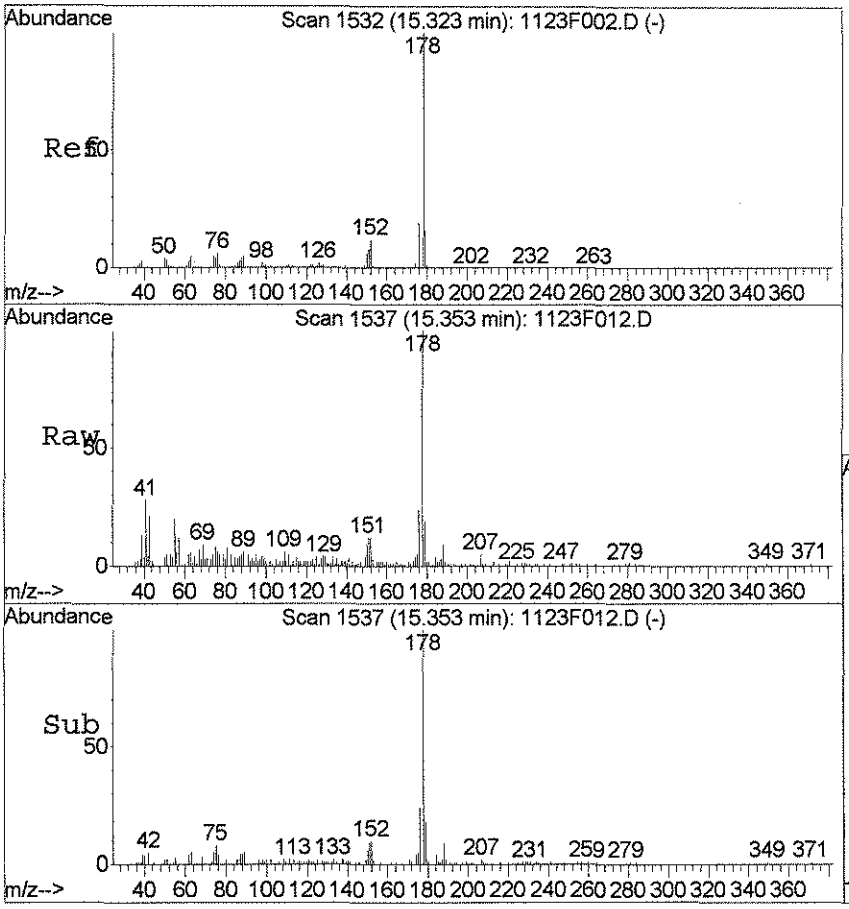


#46
Acenaphthene
Concen: 8.71 ng/ml
RT: 12.95 min Scan# 1179
Delta R.T. -0.06 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:154 Resp: 1145

Ion	Ratio	Lower	Upper
154	100		
153	109.8	79.9	139.9
152	53.8	23.4	83.4

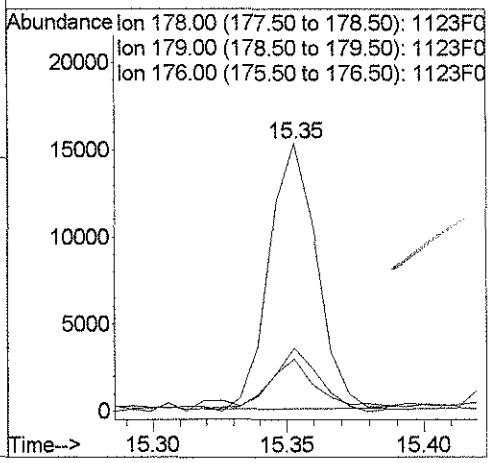


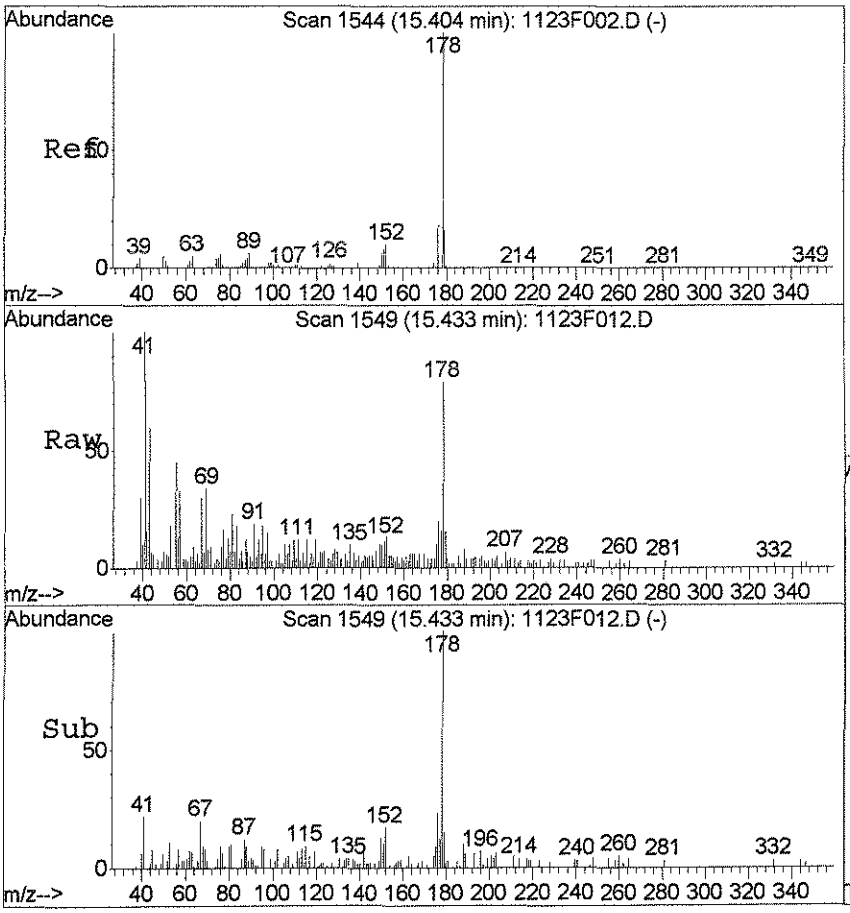


#65
Phenanthrene
Concen: 75.97 ng/ml
RT: 15.35 min Scan# 1537
Delta R.T. -0.05 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:178 Resp: 18594

Ion	Ratio	Lower	Upper
178	100		
179	17.6	0.0	45.6
176	23.2	0.0	49.0

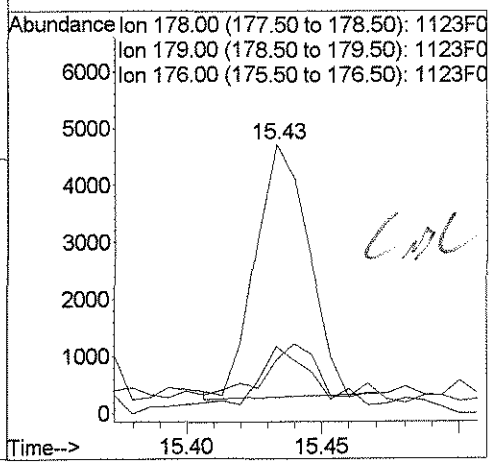


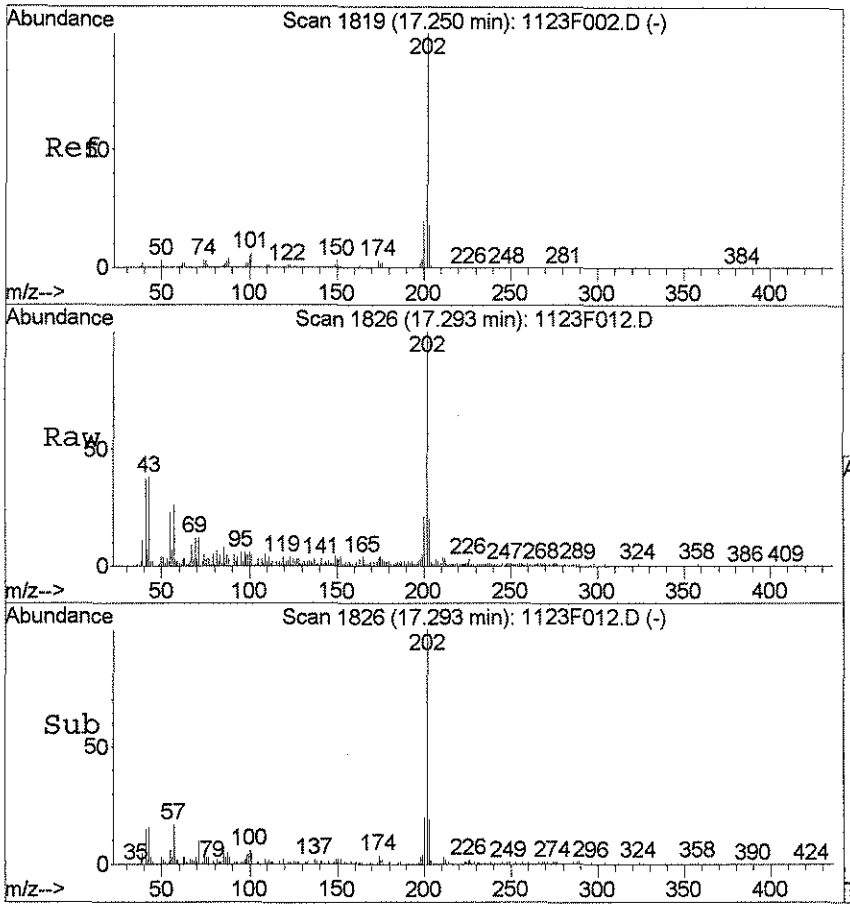


#66
Anthracene
Concen: 23.82 ng/ml
RT: 15.43 min Scan# 1549
Delta R.T. -0.05 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:178 Resp: 6059

Ion	Ratio	Lower	Upper
178	100		
179	15.6	0.0	45.9
176	23.0	0.0	48.4

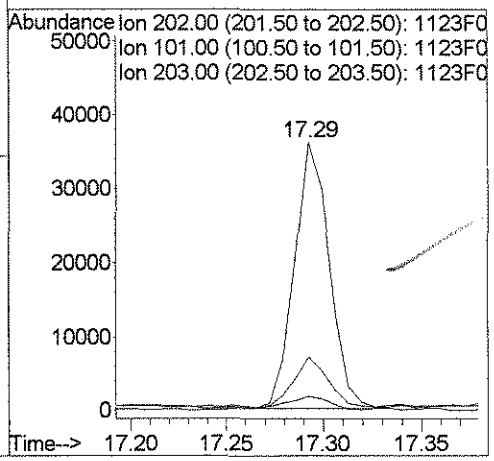


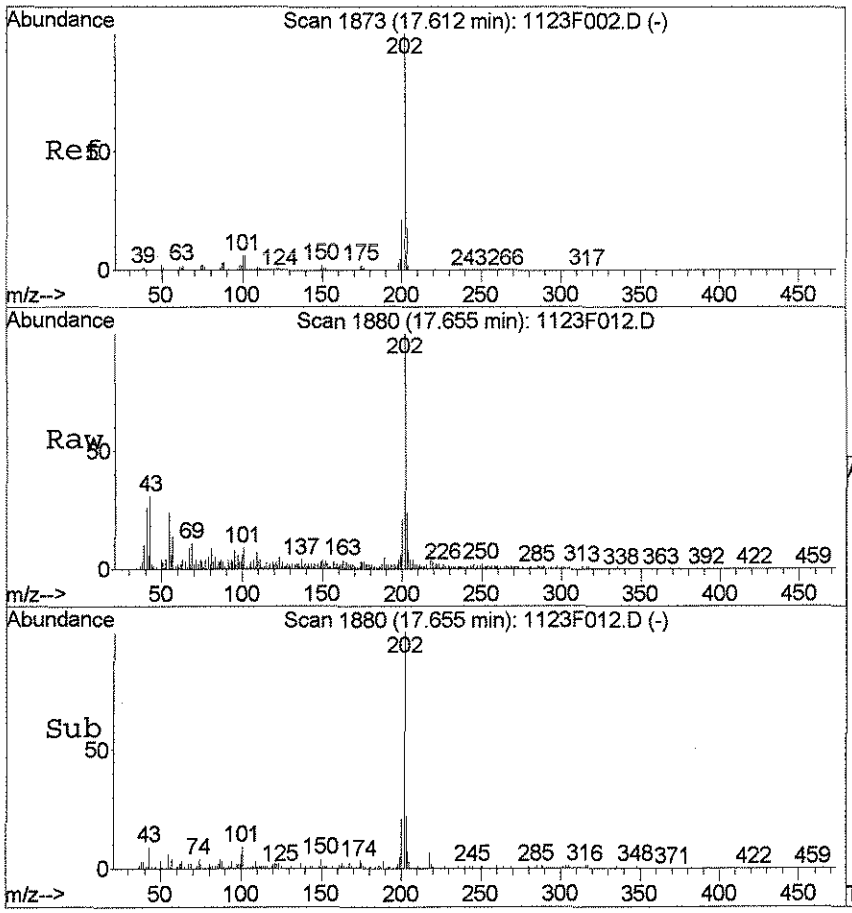


#69
Fluoranthene
Concen: 147.91 ng/ml
RT: 17.29 min Scan# 1826
Delta R.T. -0.04 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:202 Resp: 45118

Ion	Ratio	Lower	Upper
202	100		
101	5.0	0.0	36.1
203	18.5	0.0	47.2

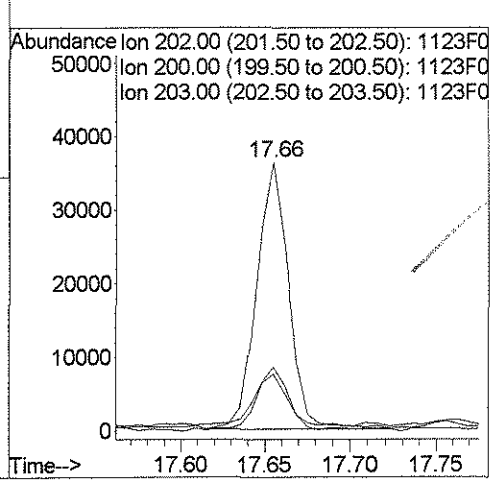


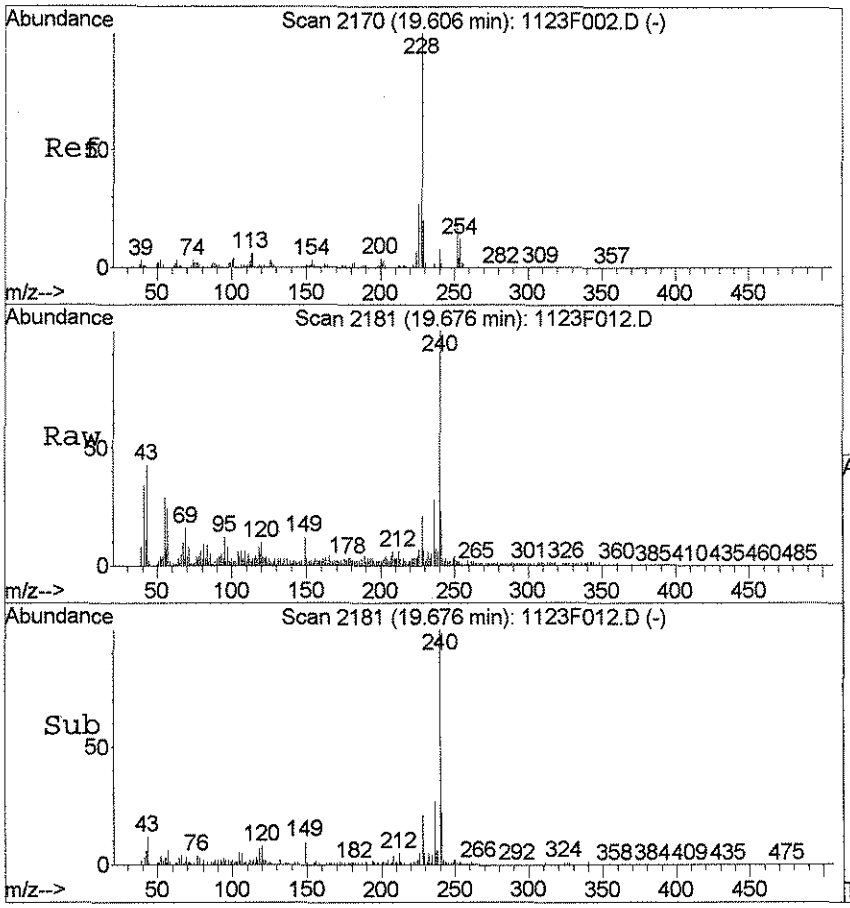


#72
Pyrene
Concen: 167.45 ng/ml
RT: 17.66 min Scan# 1880
Delta R.T. -0.04 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:202 Resp: 47788

Ion	Ratio	Lower	Upper
202	100		
200	20.8	0.0	51.0
203	22.0	0.0	47.0

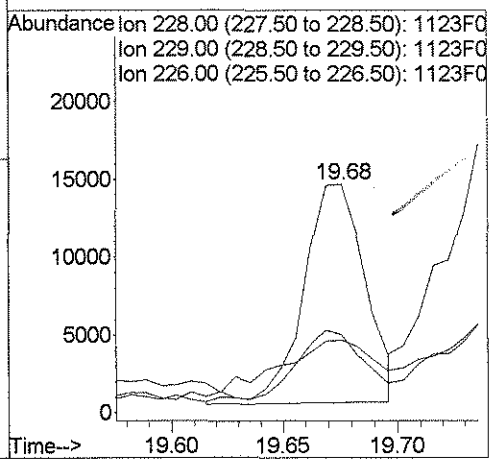


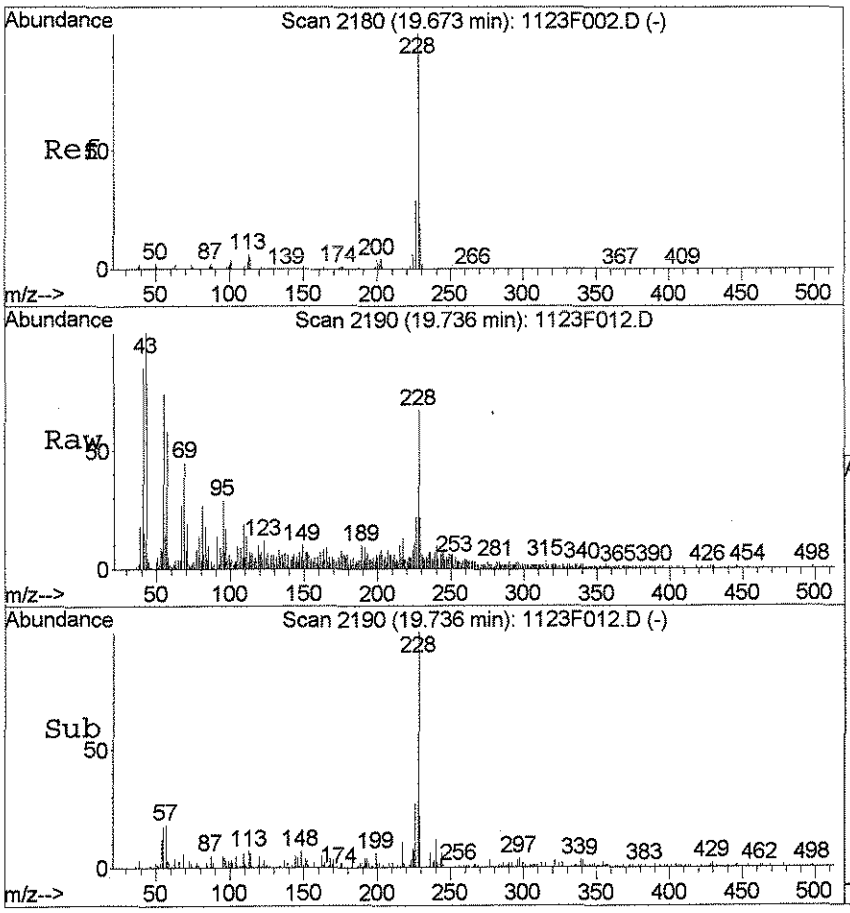


#76
Benz(a)anthracene
Concen: 97.27 ng/ml
RT: 19.68 min Scan# 2181
Delta R.T. -0.03 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:228 Resp: 26643

Ion	Ratio	Lower	Upper
228	100		
229	20.0	0.0	49.4
226	28.6	0.0	57.7

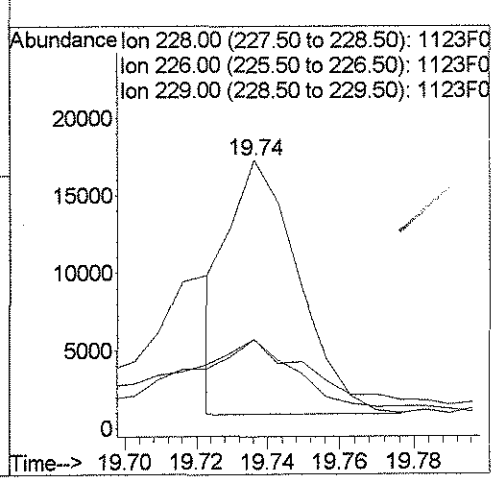


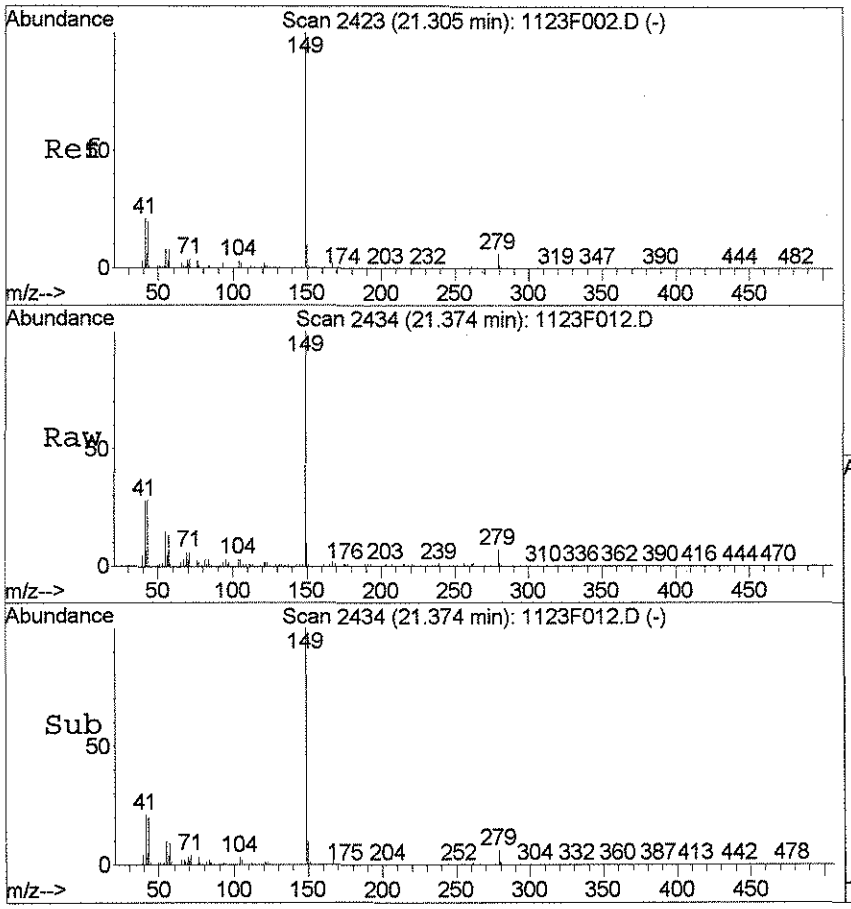


#77
Chrysene
Concen: 81.25 ng/ml m
RT: 19.74 min Scan# 2190
Delta R.T. -0.04 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:228 Resp: 22190

Ion	Ratio	Lower	Upper
228	100		
226	33.0	0.0	58.9
229	33.1	0.0	49.4

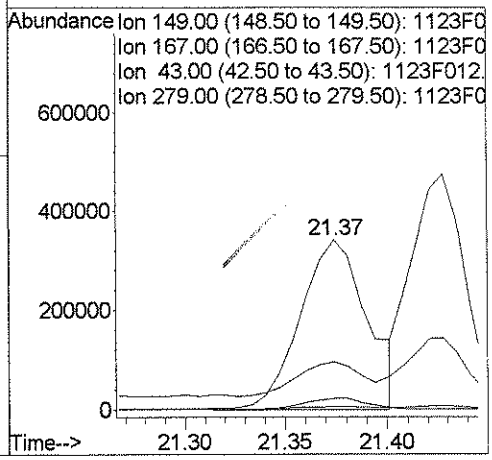


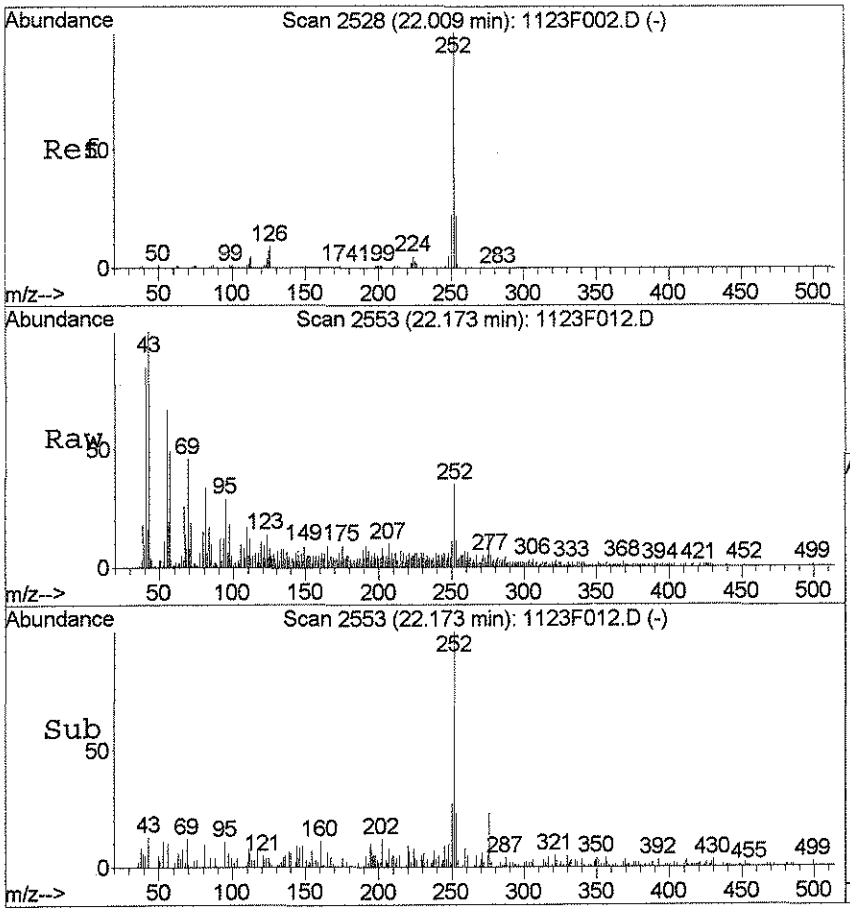


#80
Di-n-octyl Phthalate
Concen: 2832.52 ng/ml m
RT: 21.37 min Scan# 2434
Delta R.T. -0.07 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:149 Resp: 781317

Ion	Ratio	Lower	Upper
149	100		
167	1.9	0.0	31.6
43	28.0	0.0	50.4
279	6.6	0.0	37.2

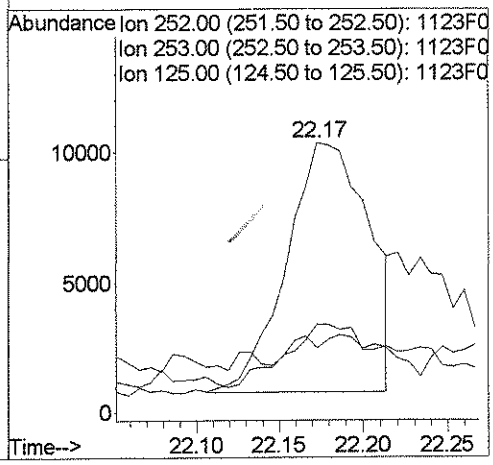


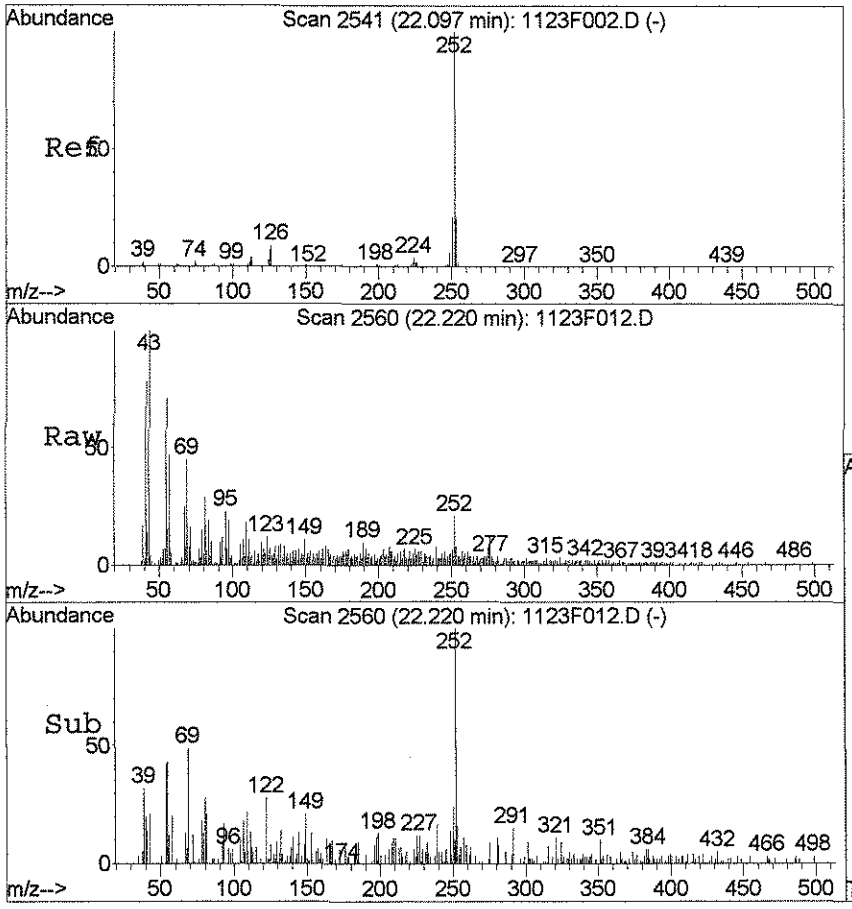


#81
Benzo(b)fluoranthene
Concen: 124.39 ng/ml m
RT: 22.17 min Scan# 2553
Delta R.T. 0.01 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:252 Resp: 32601

Ion	Ratio	Lower	Upper
252	100		
253	32.7	0.0	51.0
125	23.9	0.0	36.4

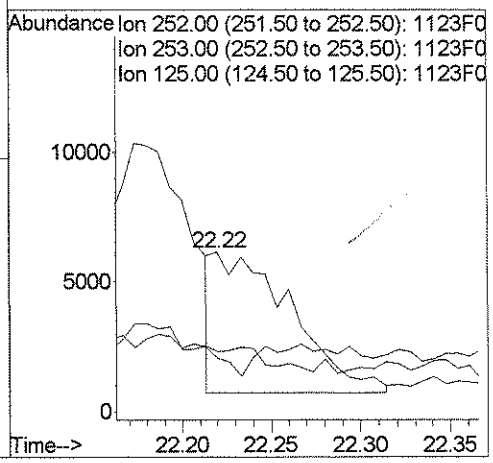


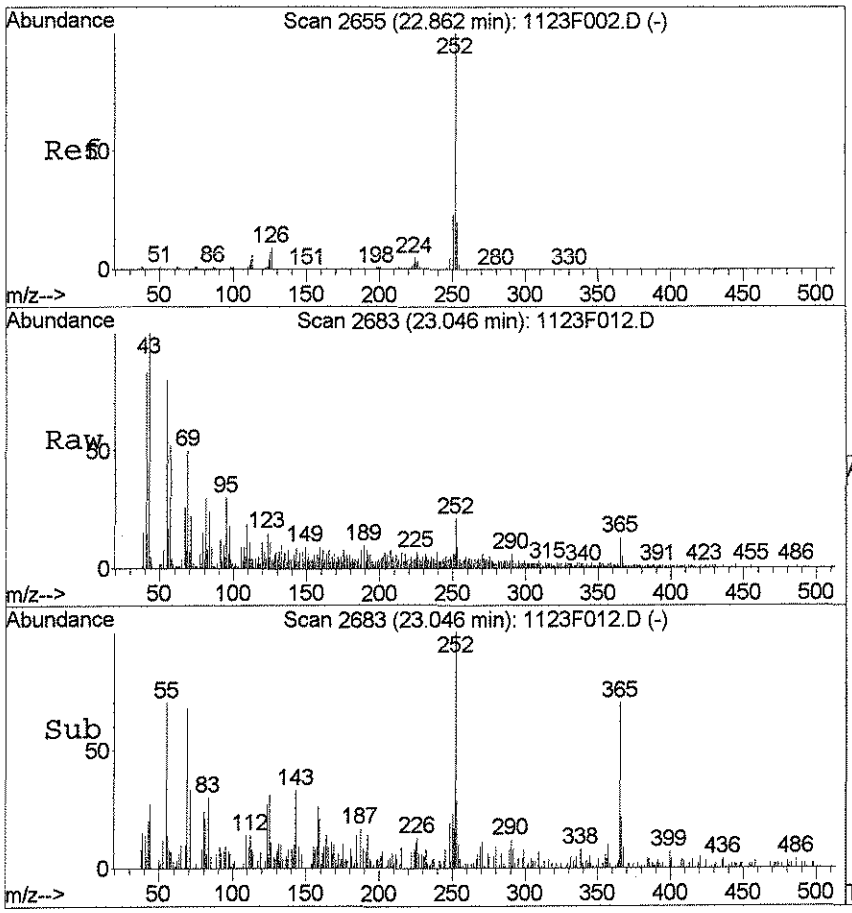


#82
Benzo(k)fluoranthene
Concen: 58.79 ng/ml m
RT: 22.22 min Scan# 2560
Delta R.T. -0.03 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:252 Resp: 16345

Ion	Ratio	Lower	Upper
252	100		
253	37.9	0.0	51.3
125	33.8	0.0	36.2

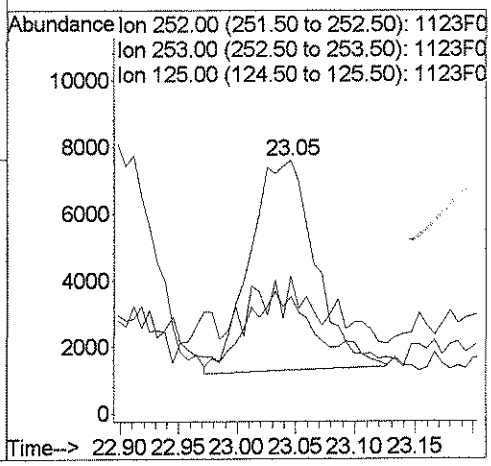


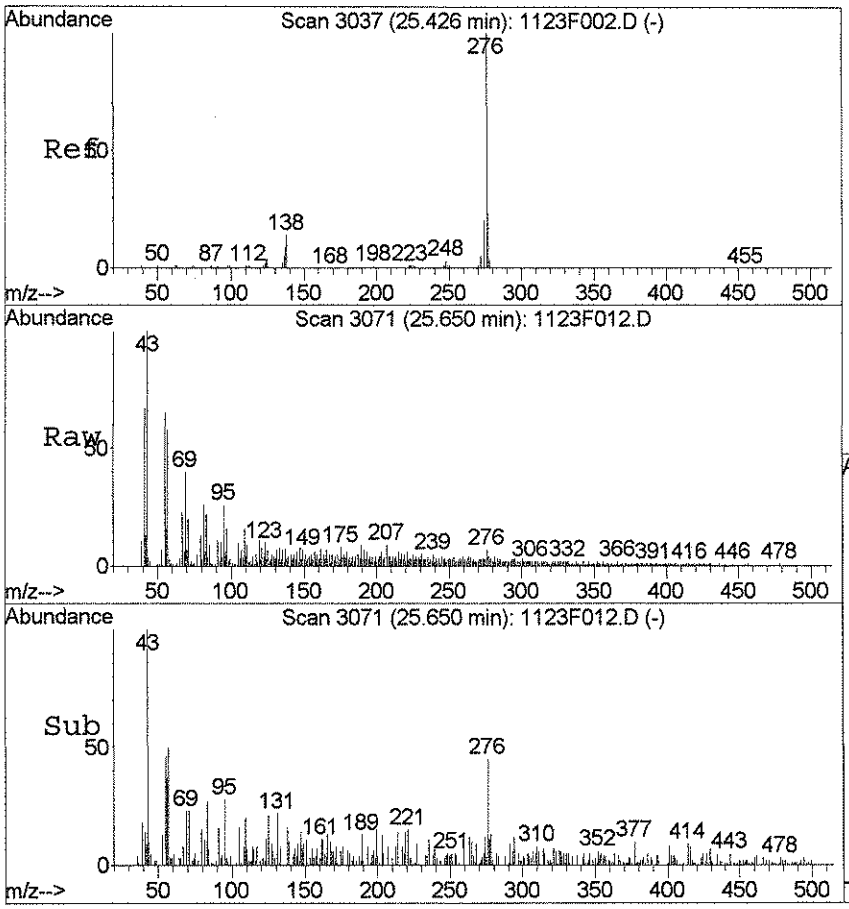


#83
Benzo(a)pyrene
Concen: 111.05 ng/ml
RT: 23.05 min Scan# 2683
Delta R.T. 0.03 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:252 Resp: 24367

Ion	Ratio	Lower	Upper
252	100		
253	29.3	0.0	50.3
125	32.7	0.0	37.0

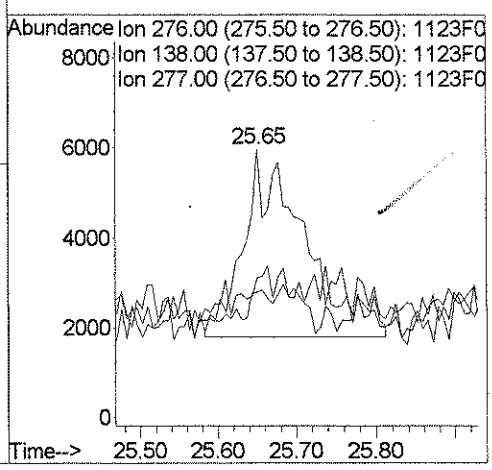


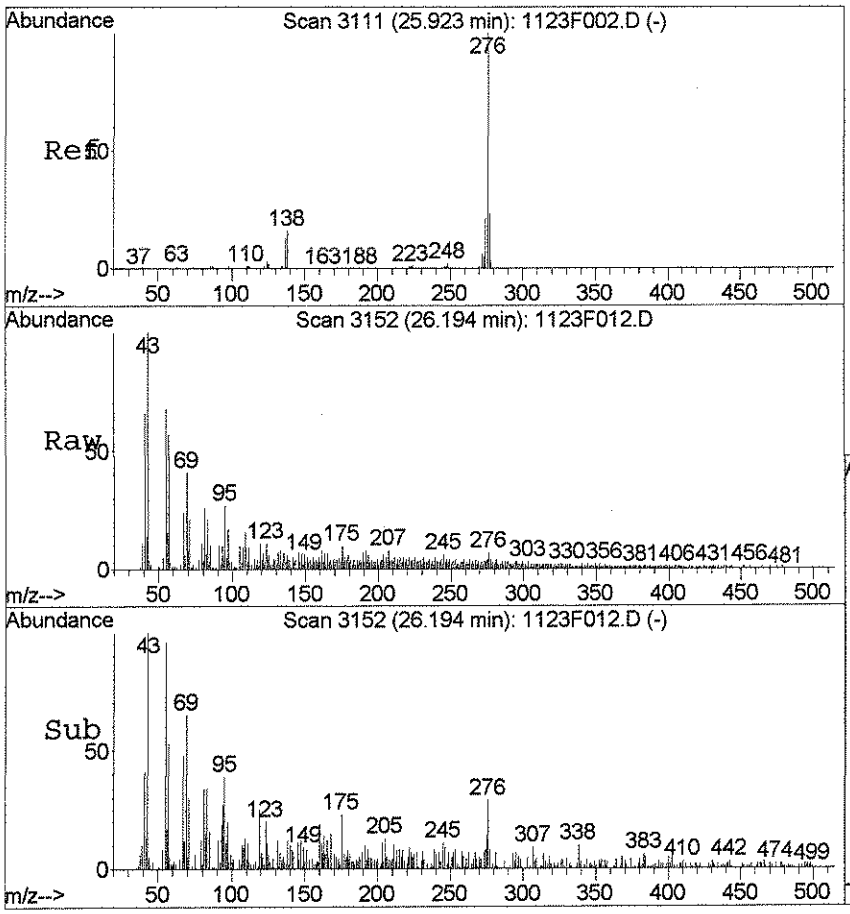


#84
Indeno(1,2,3-cd)pyrene
Concen: 116.90 ng/ml m
RT: 25.65 min Scan# 3071
Delta R.T. 0.10 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:276 Resp: 23116

Ion	Ratio	Lower	Upper
276	100		
138	46.9	0.0	44.3#
277	52.1	0.0	53.0

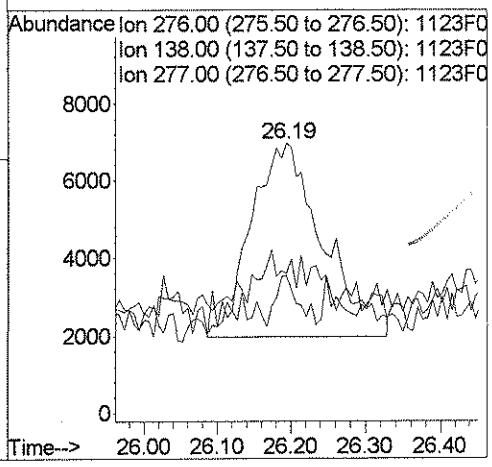




#86
Benzo(g,h,i)perylene
Concen: 155.54 ng/ml m
RT: 26.19 min Scan# 3152
Delta R.T. 0.14 min
Lab File: 1123F012.D
Acq: 23 Nov 2010 8:03 pm

Tgt Ion:276 Resp: 33875

Ion	Ratio	Lower	Upper
276	100		
138	51.2	0.0	44.2#
277	51.8	0.0	52.7



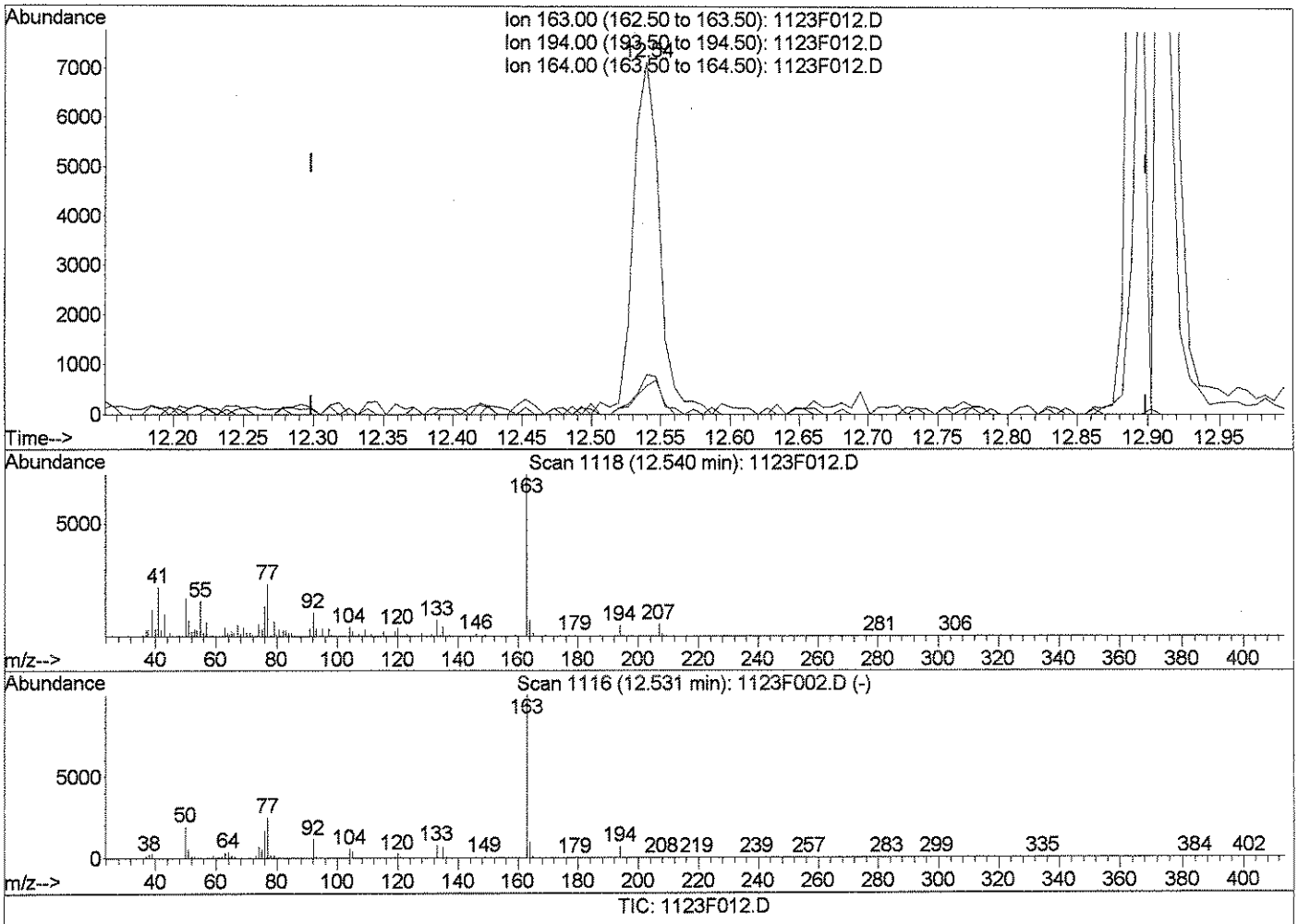
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:42 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(44) Dimethyl Phthalate (T)

12.54min 51.82ng/ml

response 9564

Ion	Exp%	Act%
163.00	100	100
194.00	7.00	7.99
164.00	10.10	11.22
0.00	0.00	0.00

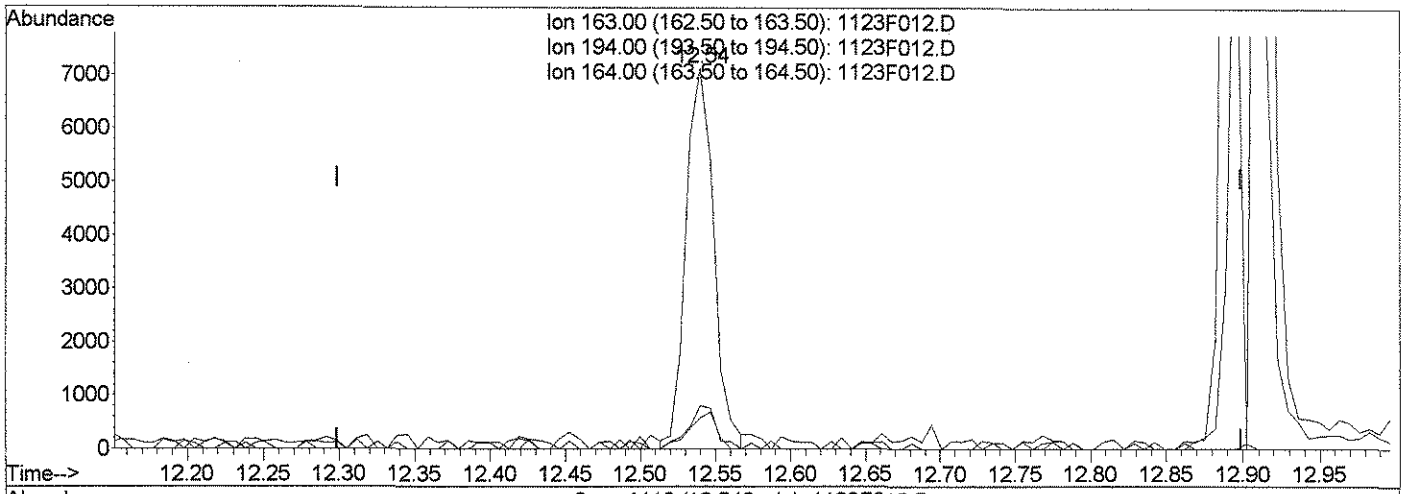
Quantitation Report (Qedit)

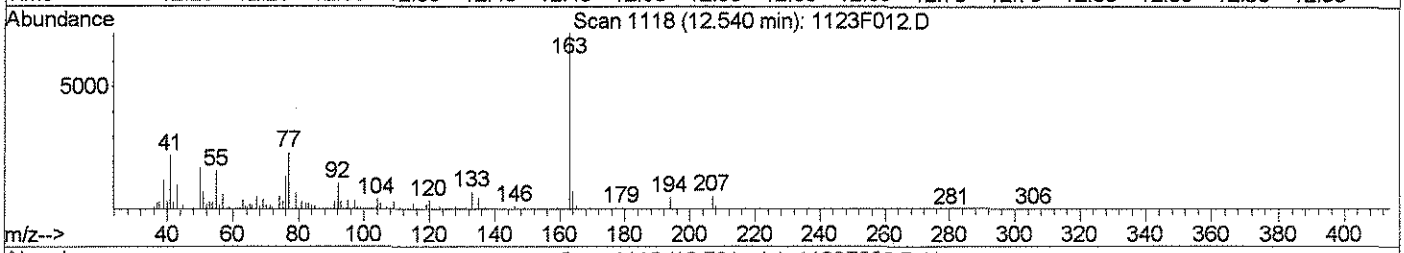
Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:43 2010

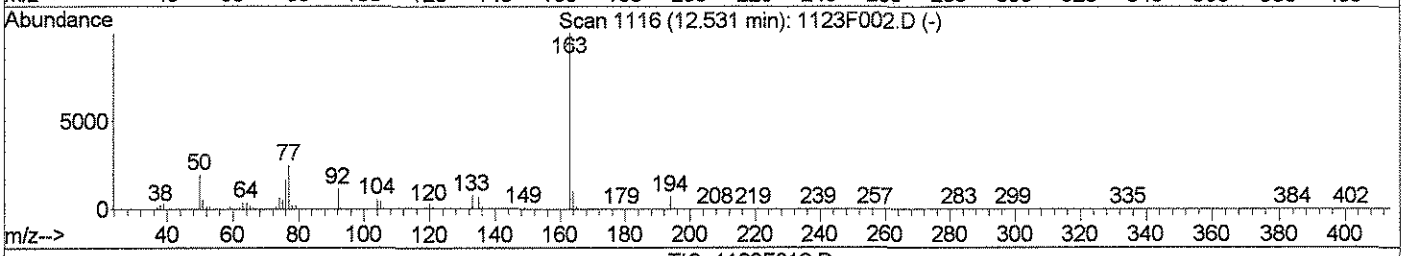
Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F012.D

(44) Dimethyl Phthalate (T)

12.54min 49.60ng/ml m

response 9154

Ion	Exp%	Act%
163.00	100	100
194.00	7.00	7.99
164.00	10.10	11.22
0.00	0.00	0.00

01

LB 11/24/10

1123F012.D 111510_BNLL.M Wed Nov 24 08:43:08 2010

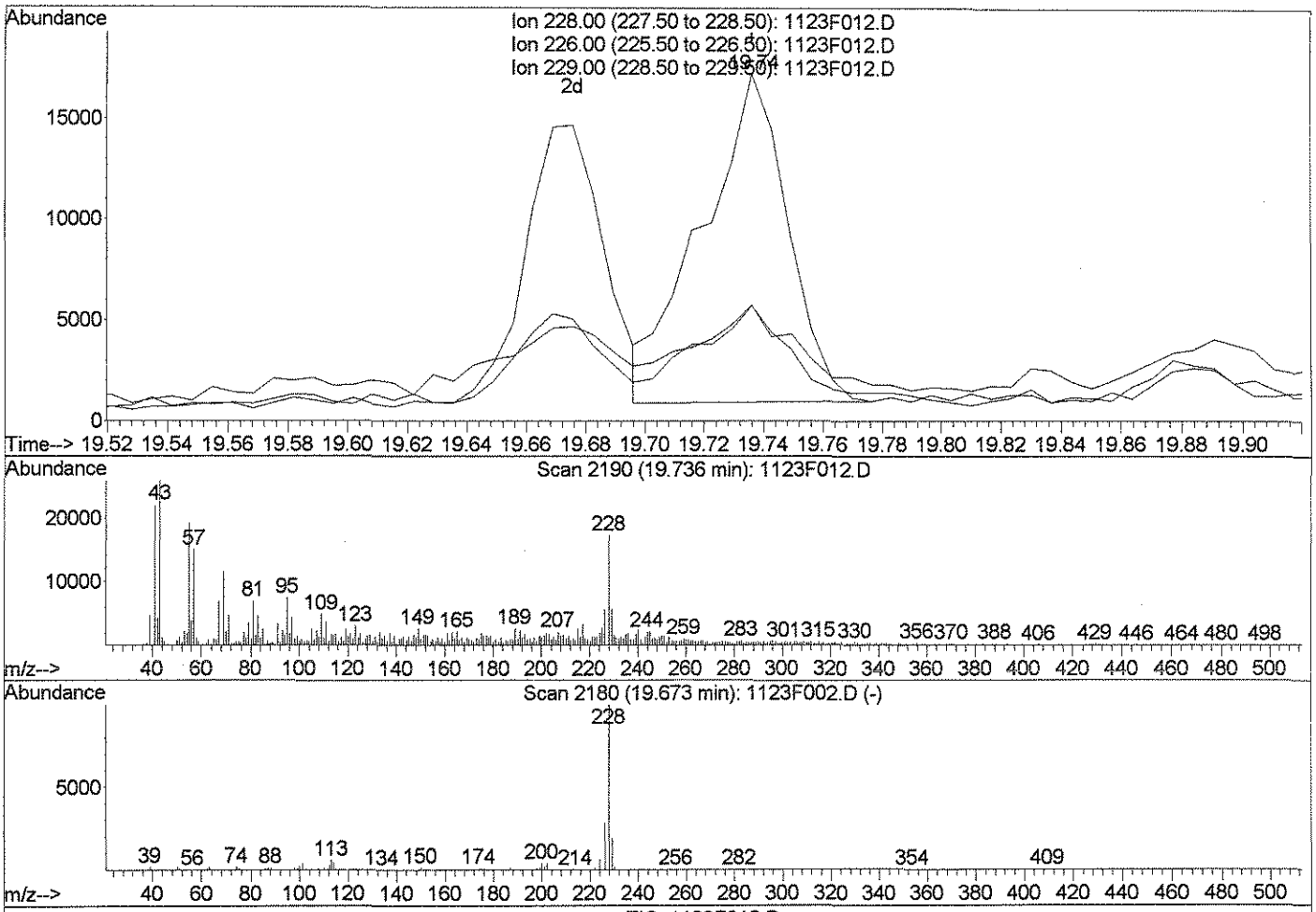
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:43 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(77) Chrysene (T)

19.74min 119.32ng/ml

response 32589

Ion	Exp%	Act%
228.00	100	100
226.00	28.90	26.36
229.00	19.40	23.94
0.00	0.00	0.00

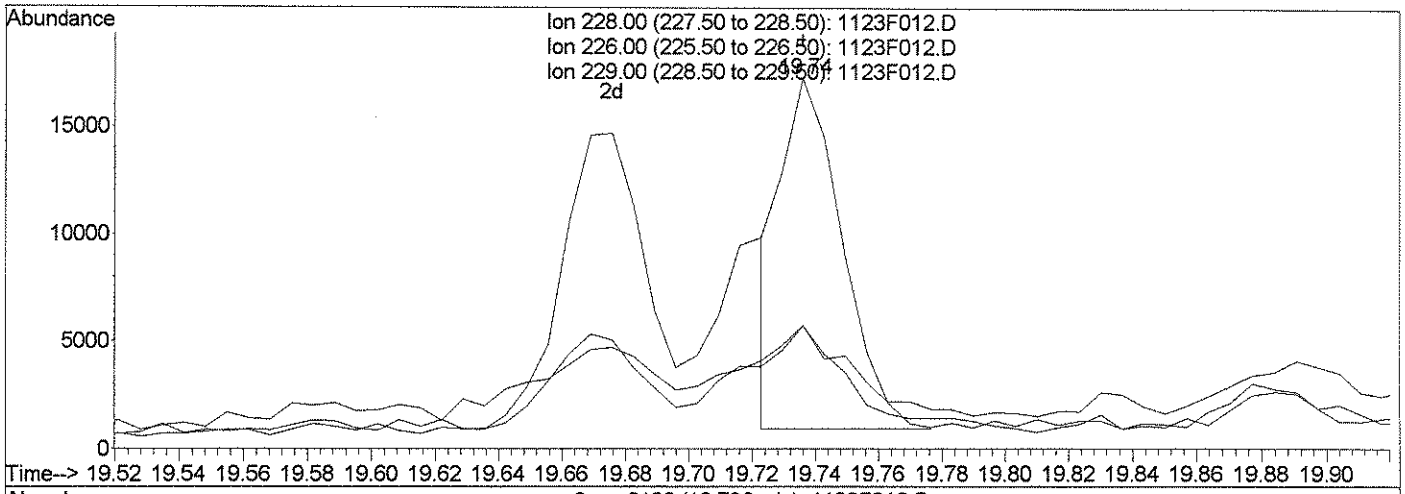
Quantitation Report (Qedit)

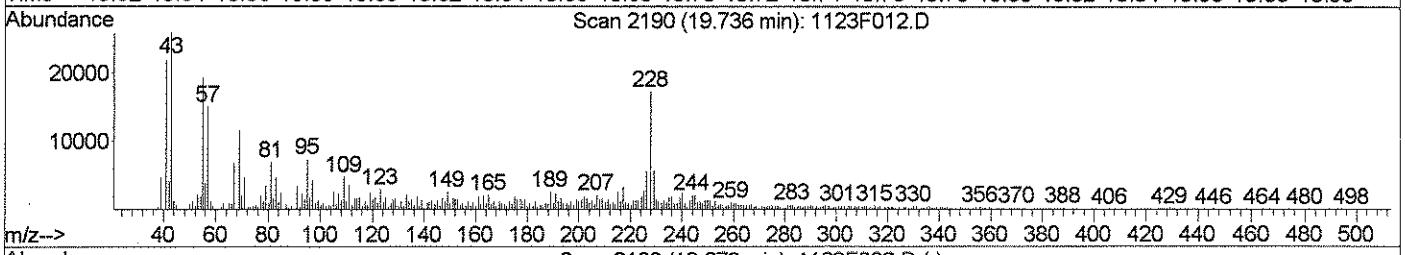
Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:43 2010

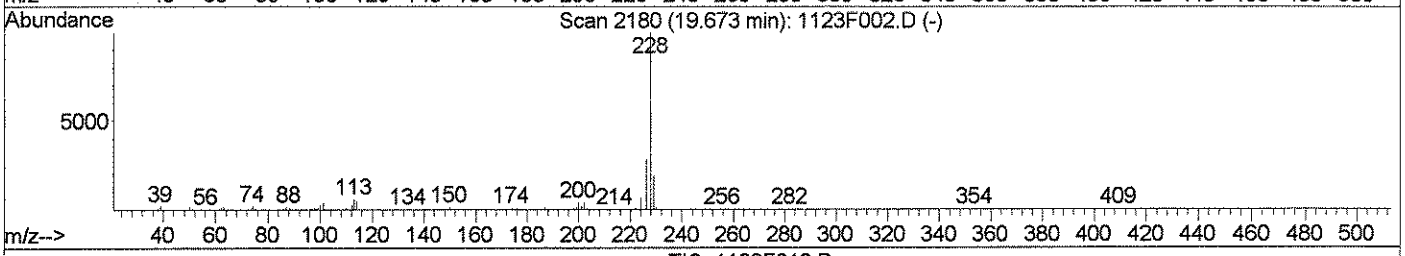
Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F012.D

(77) Chrysene (T)

19.74min 81.25ng/ml m

response 22190

Ion	Exp%	Act%
228.00	100	100
226.00	28.90	33.01
229.00	19.40	33.15
0.00	0.00	0.00

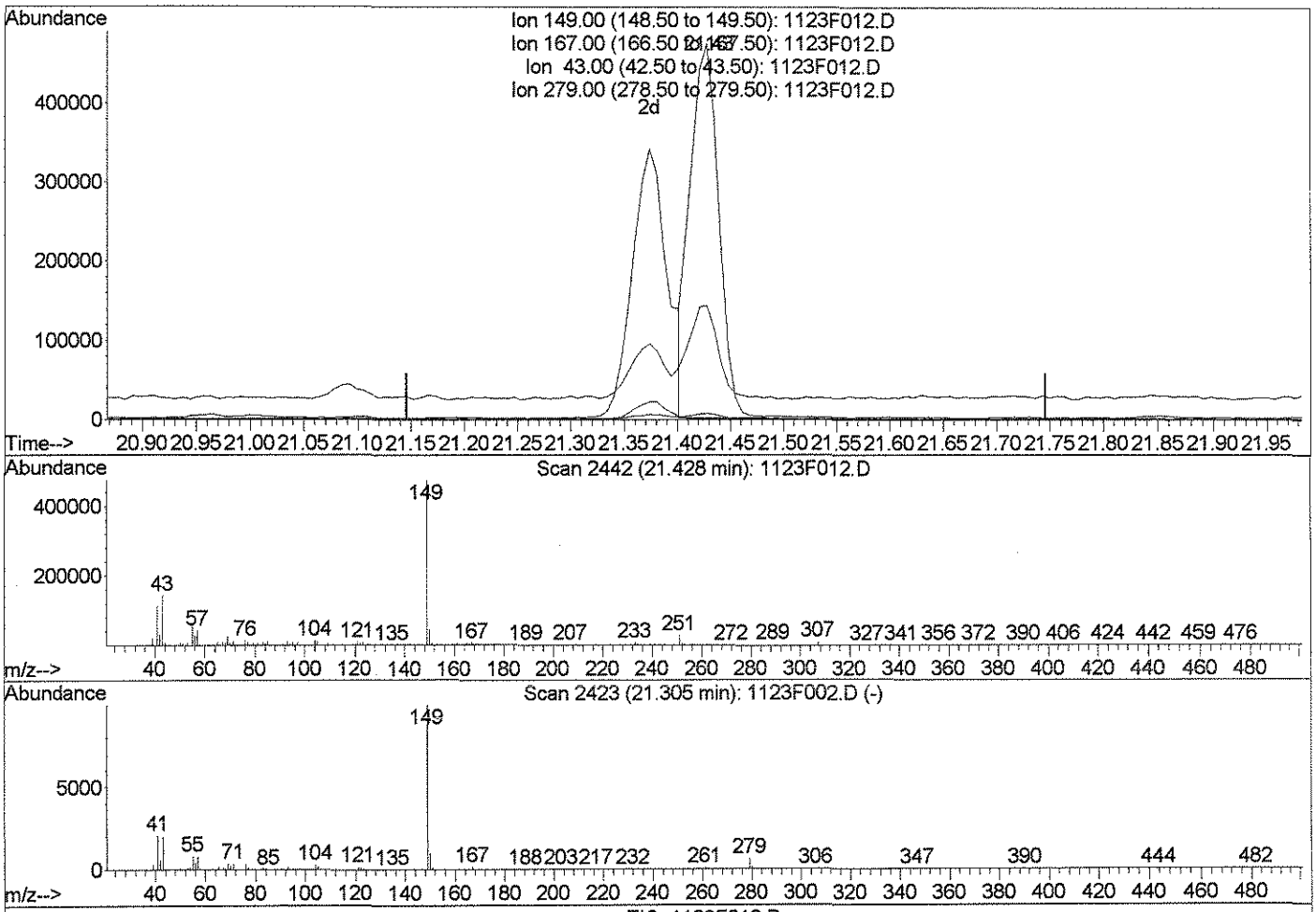
01
LB 11/24/10

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:44 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(80) Di-n-octyl Phthalate (TC)

21.43min 3207.98ng/ml

response 884885

Ion	Exp%	Act%
149.00	100	100
167.00	1.60	1.29
43.00	20.40	24.76
279.00	7.20	0.00

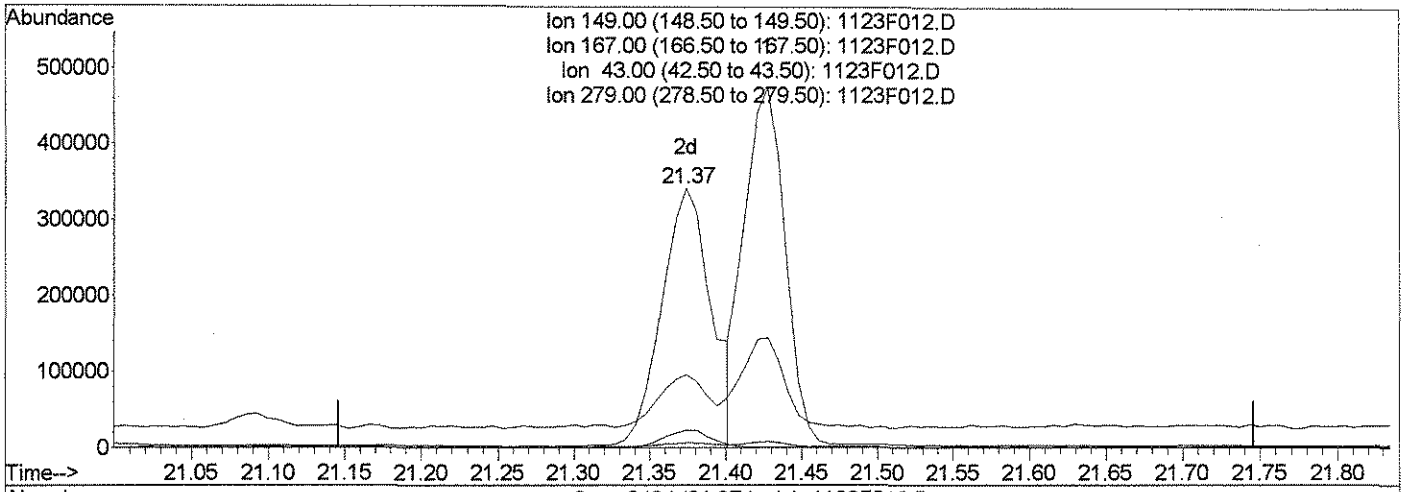
Quantitation Report (Qedit)

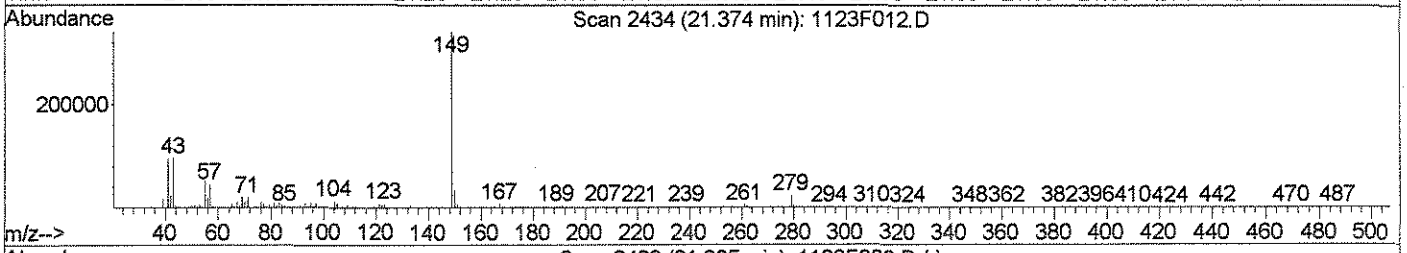
Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:46 2010

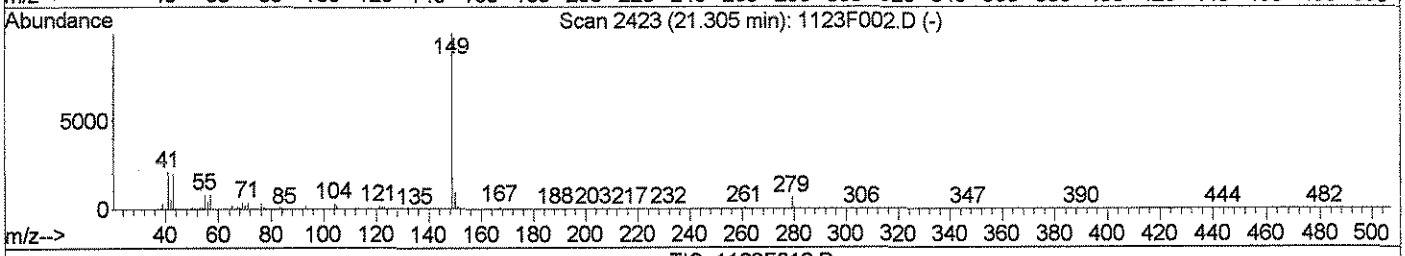
Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F012.D

(80) Di-n-octyl Phthalate (TC)

21.37min 2832.52ng/ml m

response 781317

Ion	Exp%	Act%
149.00	100	100
167.00	1.60	1.89
43.00	20.40	28.02
279.00	7.20	6.61

WP
LB 11/24/10
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1123F012.D 111510_BNLL.M Wed Nov 24 08:46:09 2010

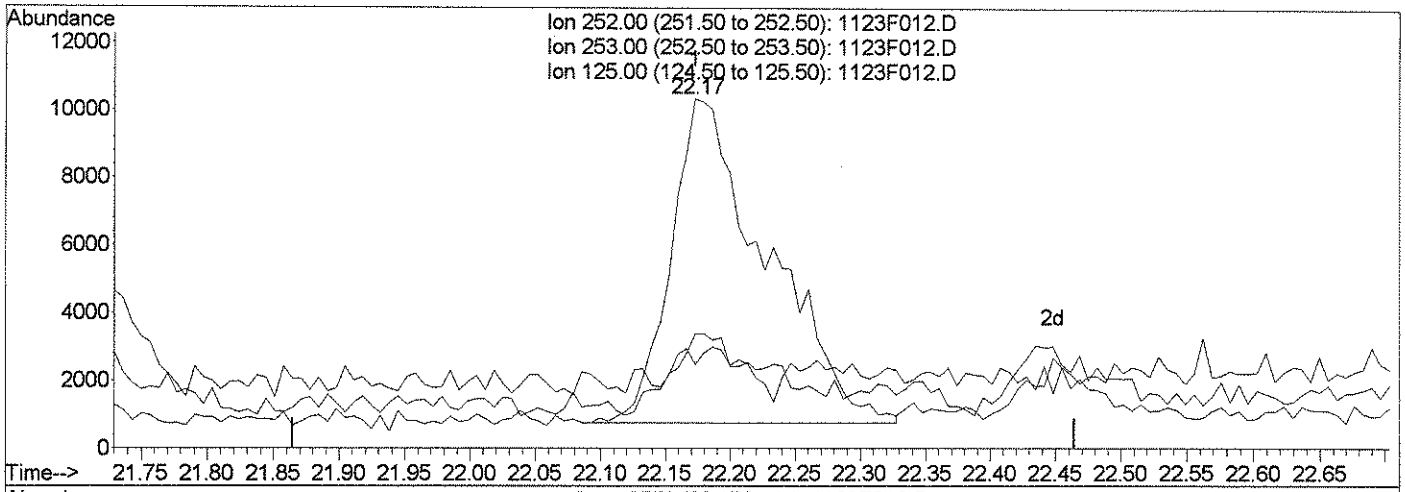
Quantitation Report (Qedit)

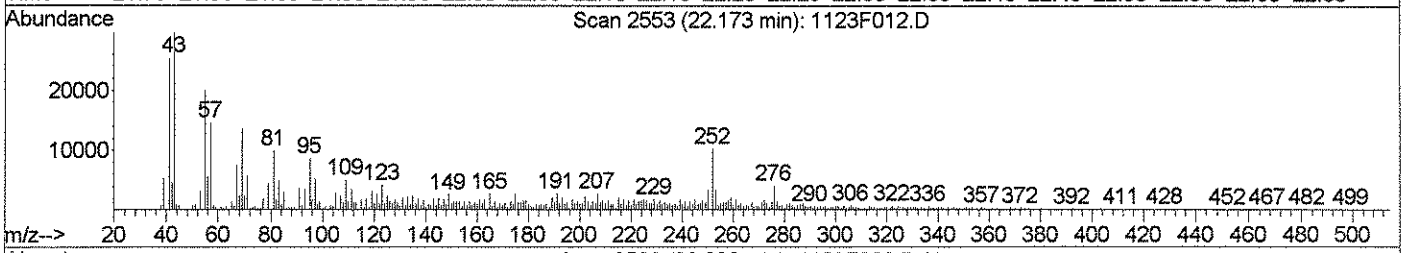
Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:46 2010

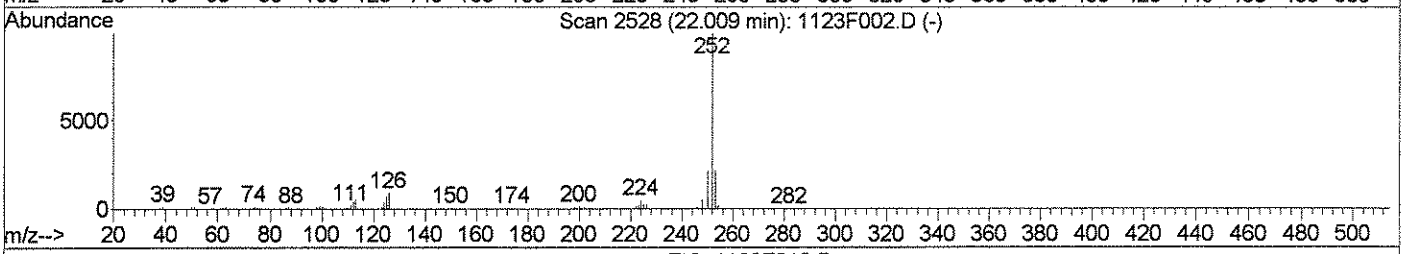
Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F012.D

(81) Benzo(b)fluoranthene (T)

22.17min 188.30ng/ml

response 49350

Ion	Exp%	Act%
252.00	100	100
253.00	21.00	22.25
125.00	6.40	3.03
0.00	0.00	0.00

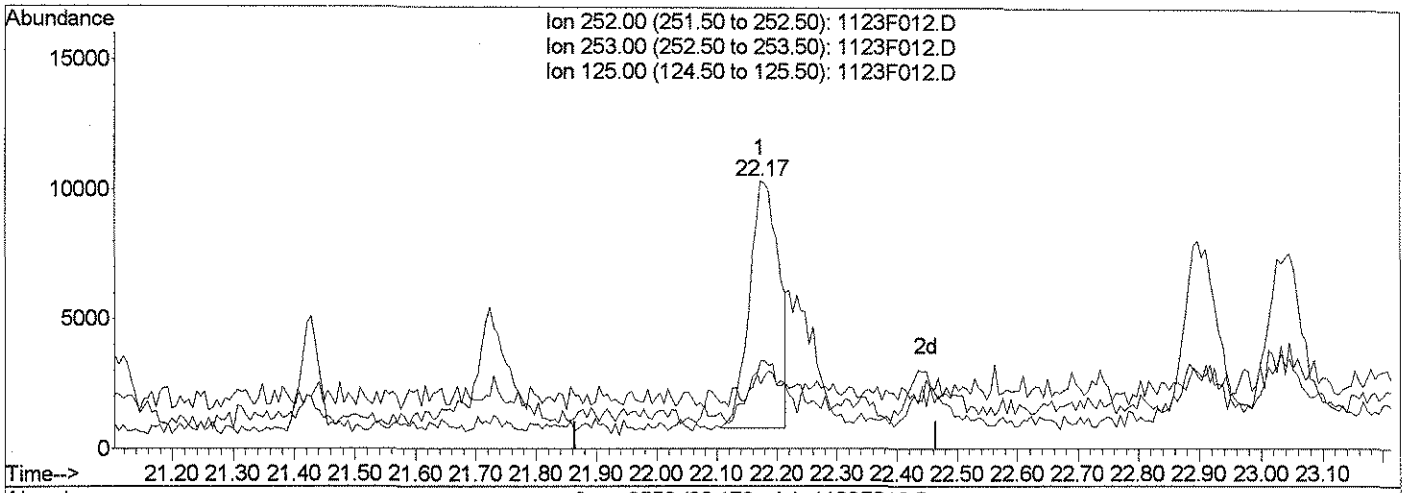
Quantitation Report (Qedit)

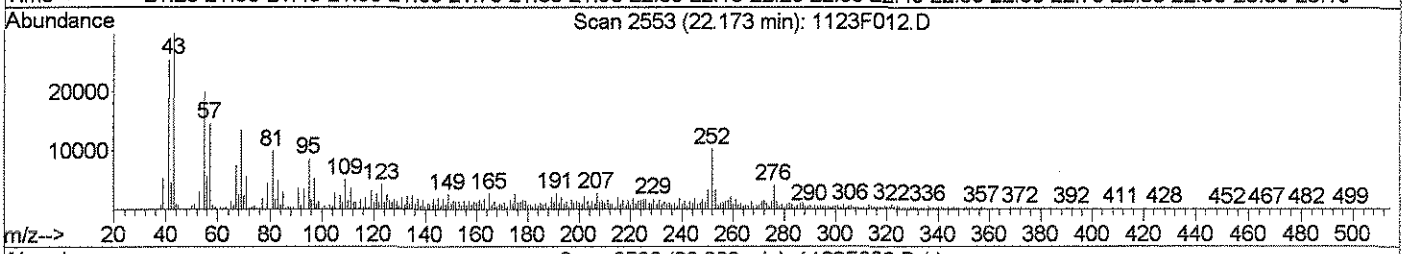
Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:46 2010

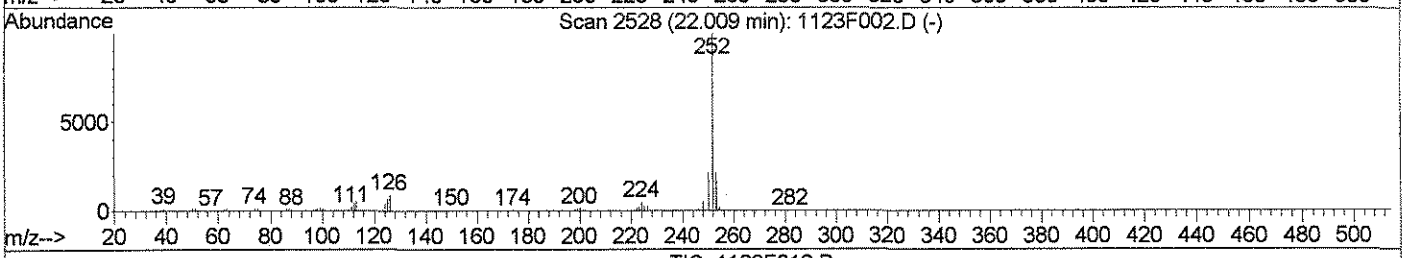
Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F012.D

(81) Benzo(b)fluoranthene (T)

22.17min 124.39ng/ml m

response 32601

Ion	Exp%	Act%
252.00	100	100
253.00	21.00	32.75
125.00	6.40	23.94
0.00	0.00	0.00

01
LB 11/24/10

1123F012.D 111510_BNLL.M Wed Nov 24 08:46:23 2010

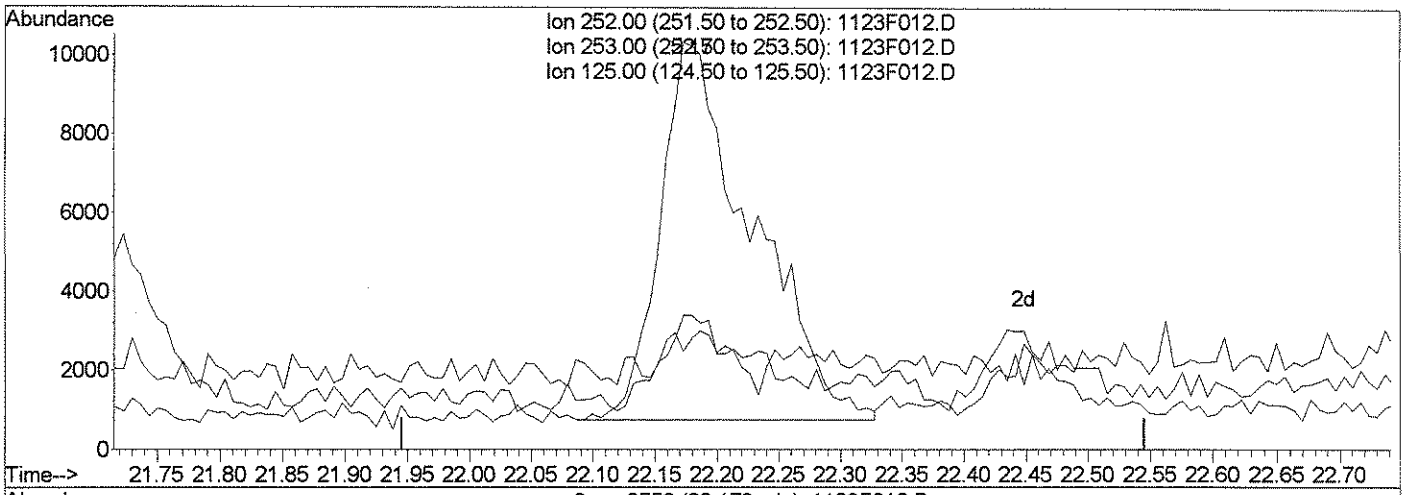
Quantitation Report (Qedit)

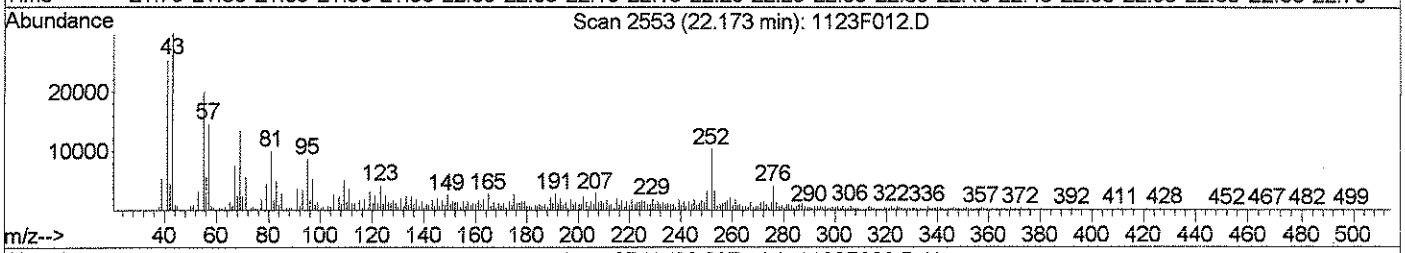
Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:46 2010

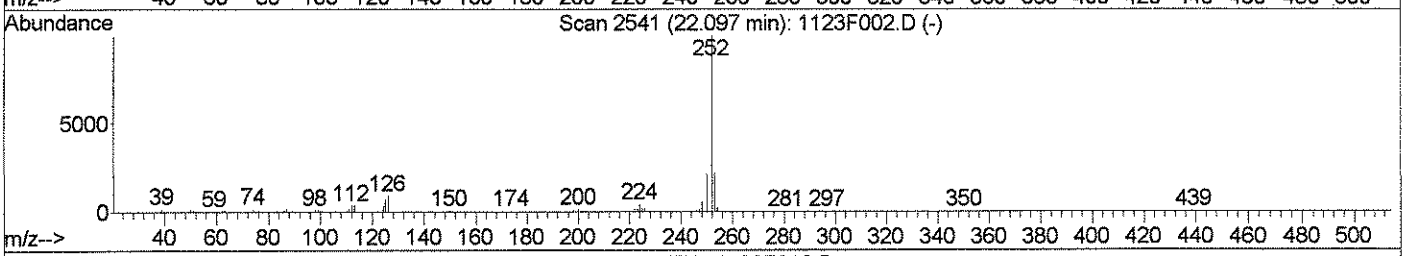
Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F012.D

(82) Benzo(k)fluoranthene (T)

22.17min 177.50ng/ml

response 49350

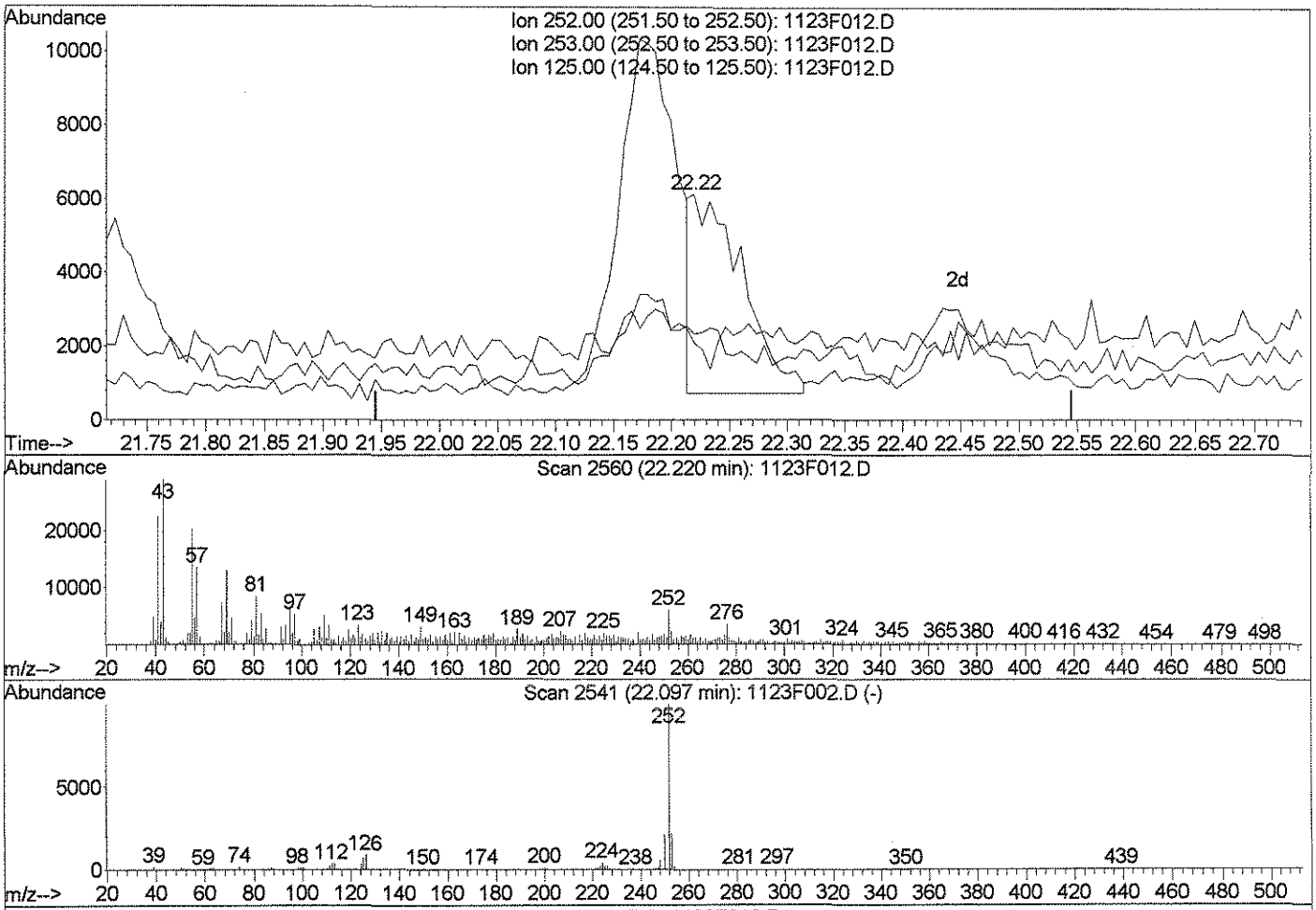
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	22.25
125.00	6.20	3.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:46 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(82) Benzo(k)fluoranthene (T)

22.22min 58.79ng/ml m

response 16345

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	37.86
125.00	6.20	33.77
0.00	0.00	0.00

01

LB 11/24/10

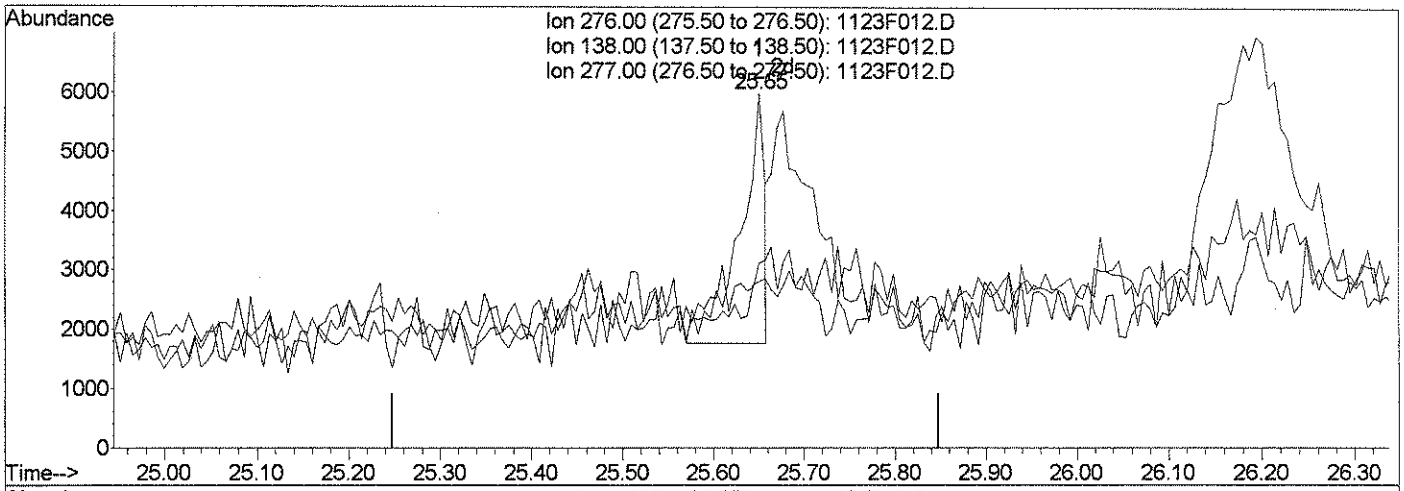
1123F012.D 111510_BNLL.M Wed Nov 24 08:46:35 2010

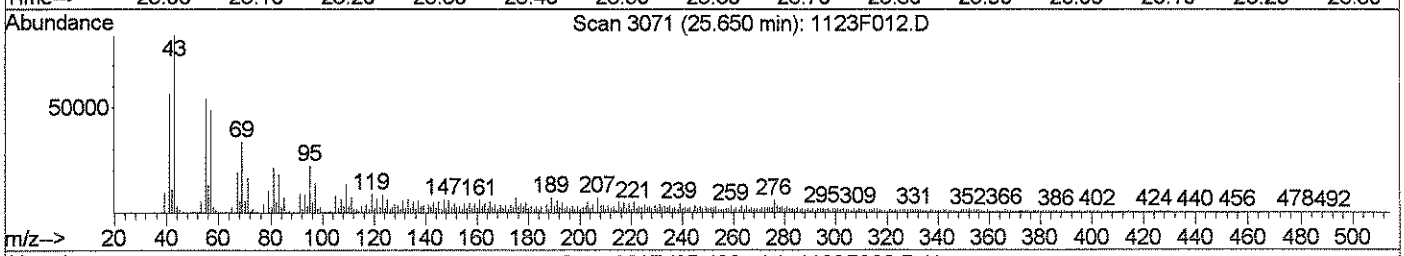
Quantitation Report (Qedit)

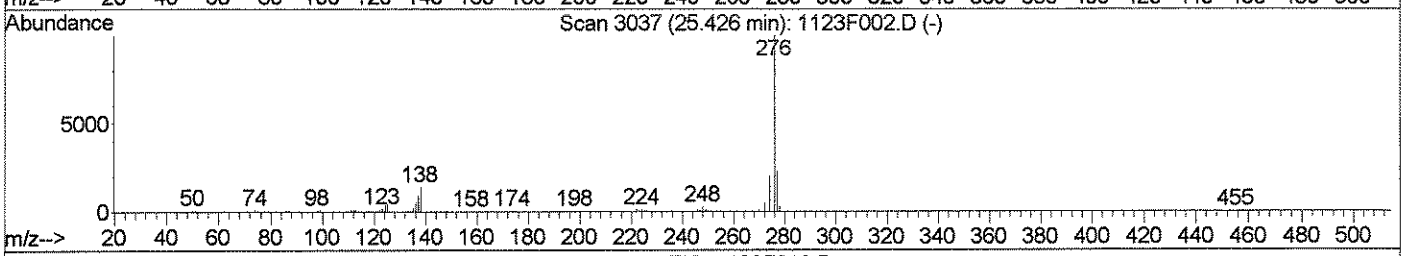
Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:46 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F012.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.65min 39.96ng/ml

response 7902

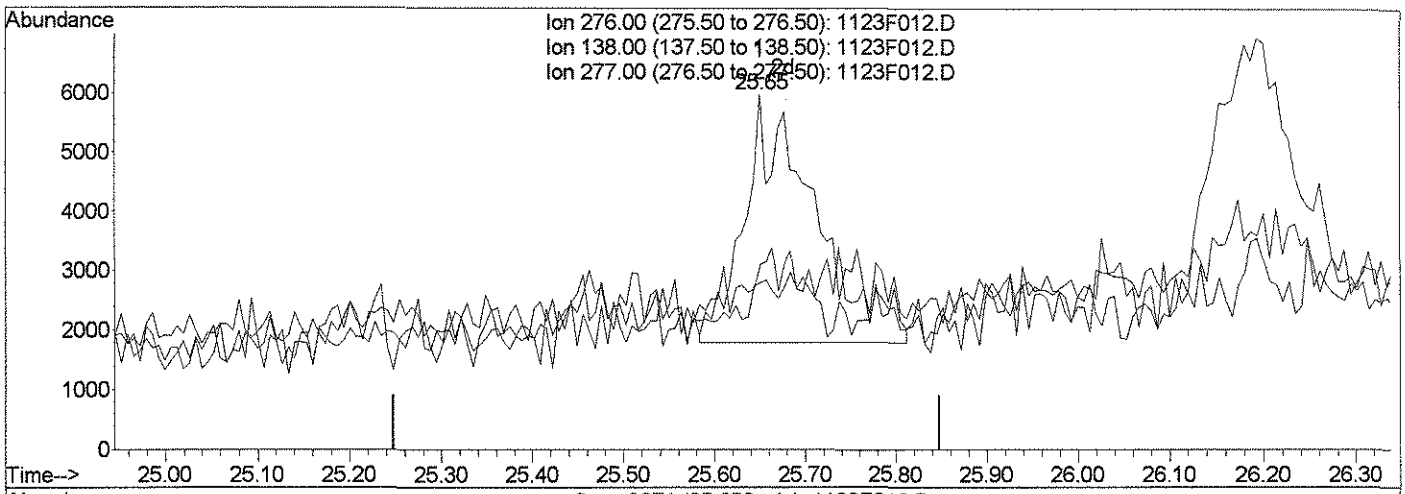
Ion	Exp%	Act%
276.00	100	100
138.00	14.30	22.98
277.00	23.00	17.30
0.00	0.00	0.00

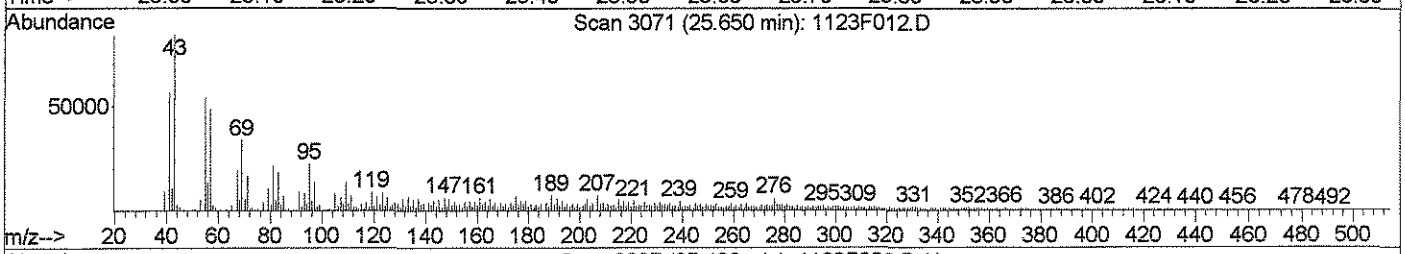
Quantitation Report (Qedit)

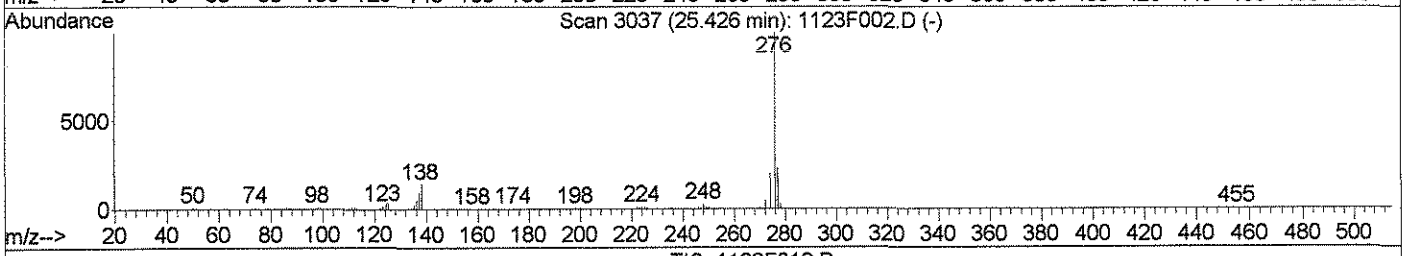
Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:46 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F012.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.65min 116.90ng/ml m

response 23116

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	46.95#
277.00	23.00	52.08
0.00	0.00	0.00

1c
B 11/24/10

1123F012.D 111510_BNLL.M Wed Nov 24 08:46:47 2010

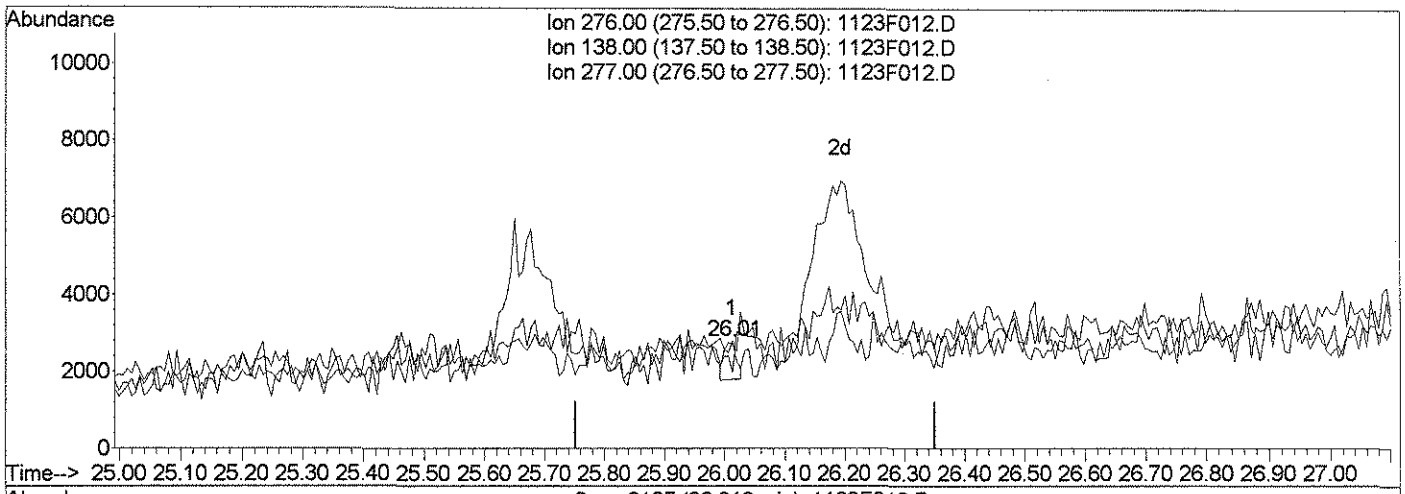
Quantitation Report (Qedit)

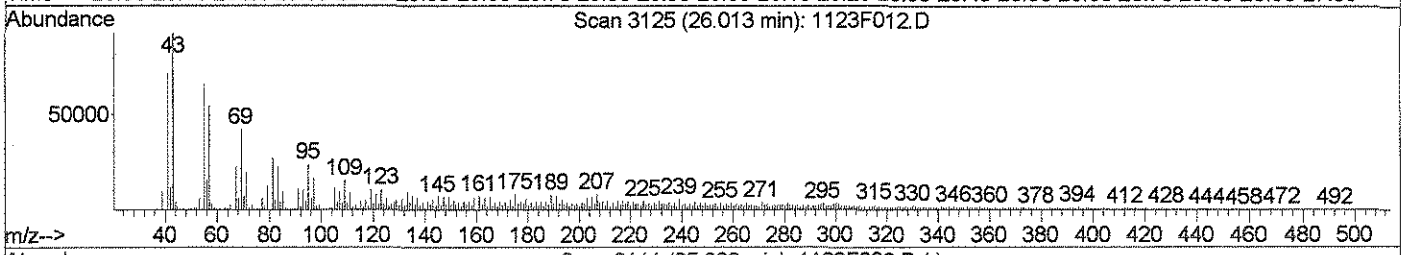
Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:46 2010

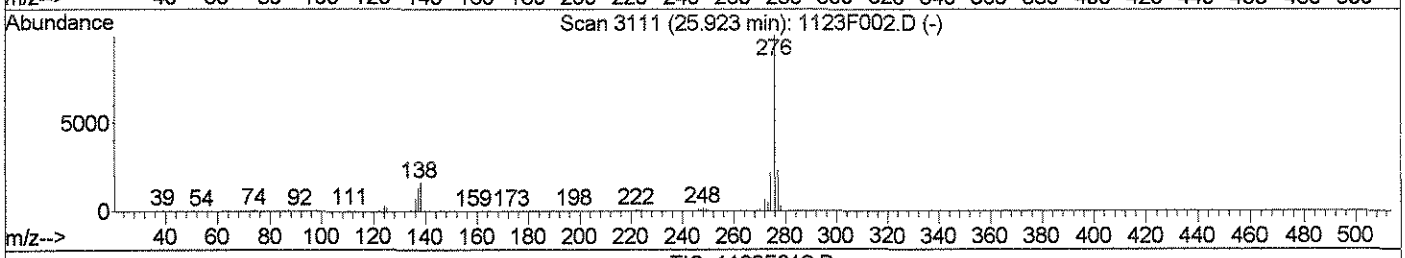
Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F012.D

(86) Benzo(g,h,i)perylene (T)

26.01min 6.05ng/ml

response 1317

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	0.00
277.00	22.70	0.00
0.00	0.00	0.00

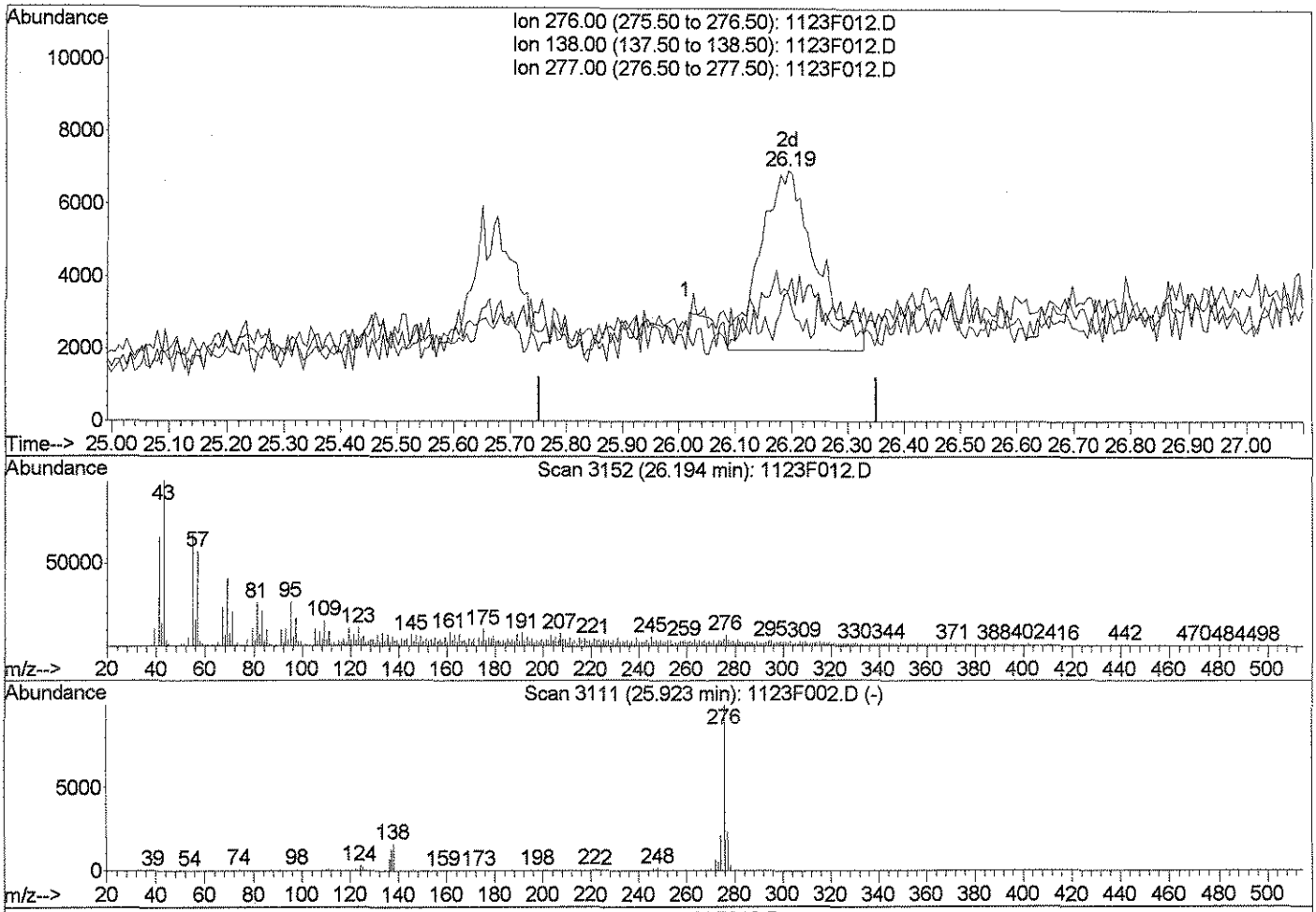
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F012.D
Acq On : 23 Nov 2010 8:03 pm
Sample : K1012914-016 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:46 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(86) Benzo(g,h,i)perylene (T)

26.19min 155.54ng/ml m

response 33875

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	51.15#
277.00	22.70	51.80
0.00	0.00	0.00

WP
LB 11/24/10

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1300	1300	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	310	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	61	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	190	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	61	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	61	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	61	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	61	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	61	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	61	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	310	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	61	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	61	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	61	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	310	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	61	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**21**	JD	61	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**52**	JD	61	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	61	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1300	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	610	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	61	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	61	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	610	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	61	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	61	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	61	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	61	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	610	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**54**	JD	61	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	**23**	JD	61	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	130	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**81**	D	61	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**81**	D	61	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	61	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	610	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**48**	JD	61	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**63**	D	61	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	**120**	JD	610	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	61	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**76**	D	61	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**22**	JD	61	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**69**	D	61	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**67**	D	61	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**90**	D	61	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	51	11-80	11/23/10	Acceptable
Phenol-d6	59	20-86	11/23/10	Acceptable
Nitrobenzene-d5	70	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	73	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	60	10-119	11/23/10	Acceptable
Terphenyl-d14	91	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F013.D
Lab ID: K1012914-017
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/23/2010 20:40
Date Quantitated: 11/24/2010 08:49
Batch ID: KWG1012886
Analysis Method: 8270C
ListJoinID: LJ12105

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x

→ Base run due to matrix (dark extract).

Primary Review: LB 11/24/10

Secondary Review: 11/24/10

Quantitation Report

Bottle ID:	03	**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979839	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12105
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112310\1123F013.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 20:40	**Quant Date:**	11/24/2010 08:49	**Vial:**	13
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-017			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.22	0.03	152	69652	1,000.00	OK
2	Naphthalene-d8	10.10	0.03	136	204881	1,000.00	OK
3	Acenaphthene-d10	12.90	0.03	164	110215	1,000.00	OK
4	Phenanthrene-d10	15.32	0.04	188	233946	1,000.00	OK
5	Chrysene-d12	19.69	0.07	240	256859	1,000.00	OK
6	Perylene-d12	23.19	0.19	264	239923m	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.61	0.05	0.00	112	13178	191.32	51	11-80	OK
1	Phenol-d6	7.79	0.04	0.00	99	17753	219.61	59	20-86	OK
1	Nitrobenzene-d5	9.03	0.03	0.00	82	16103	175.53	70	27-91	OK
3	2-Fluorobiphenyl	11.84	0.01	0.00	172	32914	181.64	73	25-97	OK
4	2,4,6-Tribromophenol	14.20	0.03	0.00	330	9248	226.35	60	10-119	OK
5	Terphenyl-d14	17.97	0.04	0.00	244	46241	228.17	91	33-129	OK

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		61	U	
1	Bis(2-chloroethyl) Ether				93	0d		19	U	
1	Phenol				94	0d		20	U	
1	2-Chlorophenol				128	0		20	U	
1	Bis(2-chloroisopropyl) Ether				45	0		26	U	
1	Hexachloroethane				117	0		31	U	
1	N-Nitrosodi-n-propylamine				70	0d		24	U	
1	Nitrobenzene				77	0d		22	U	
2	Isophorone				82	0		10	U	
2	2-Nitrophenol				139	0		15	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F013.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 20:40	**Quant Date:**	11/24/2010 08:49	**Vial:**	13
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-017			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0**d**		55	U	
2	Bis(2-chloroethoxy)methane				93	0		15	U	
2	2,4-Dichlorophenol				162	0		10	U	
2	Naphthalene	10.13	0.02	0.00	128	7175	35.17	23	U	
2	Hexachlorobutadiene				225	0		25	U	
2	4-Chloro-3-methylphenol				107	0		14	U	
3	Hexachlorocyclopentadiene				237	0		290	U	
3	2,4,6-Trichlorophenol				196	0		14	U	
3	2-Chloronaphthalene				127	0		16	U	
3	Acenaphthylene	12.67	0.03	0.00	152	7403**m**	34.69	21	JD	
3	Dimethyl Phthalate	12.54	0.01	0.00	163	14835	86.66	52	JD	
3	2,6-Dinitrotoluene				165	0**d**		20	U	
3	Acenaphthene				154	0**d**		14	U	
3	2,4-Dinitrophenol				184	0		170	U	
3	4-Nitrophenol				109	0**d**		180	U	
3	2,4-Dinitrotoluene				165	0		15	U	
3	Fluorene	13.80	0.03	0.00	166	2777**m**	17.77	11	U	
3	4-Chlorophenyl Phenyl Ether				204	0		14	U	
3	Diethyl Phthalate	13.69		0.00	149	1689	9.30	13	U	
3	2-Methyl-4,6-dinitrophenol				198	0		14	U	
3	N-Nitrosodiphenylamine				169	0**d**		16	U	
3	Azobenzene				77	0**d**		11	U	
4	4-Bromophenyl Phenyl Ether				248	0		16	U	
4	Hexachlorobenzene				284	0		12	U	
4	Pentachlorophenol				266	0		200	U	
4	Phenanthrene	15.35	0.03	0.00	178	20891	89.09	54	JD	
4	Anthracene	15.44	0.04	0.00	178	9324	38.27	23	JD	
4	Di-n-butyl Phthalate	16.38	0.02	0.00	149	3080**m**	10.35	79	U	
4	Fluoranthene	17.29	0.04	0.00	202	38939	133.24	81	D	
5	Benzidine				184	0**d**		1300	U	
5	Pyrene	17.66	0.05	0.00	202	37177	134.31	81	D	
5	Butyl Benzyl Phthalate	18.81	0.03	0.00	149	6203	51.30	32	U	
5	3,3'-Dichlorobenzidine				252	0**d**		37	U	
5	Benz(a)anthracene	19.67	0.06	0.00	228	21168	79.68	48	JD	
5	Chrysene	19.74	0.07	0.00	228	27747	104.75	63	D	
5	Bis(2-ethylhexyl) Phthalate	19.87	0.04	0.00	149	31256	194.91	120	JD	
6	Di-n-octyl Phthalate				149	0**d**		17	U	
6	Benzo(b)fluoranthene	22.17	0.16	0.00	252	32298	125.40	76	D	
6	Benzo(k)fluoranthene	22.23	0.13	0.00	252	9863**m**	36.10	22	JD	
6	Benzo(a)pyrene	23.05	0.19	0.00	252	24548**m**	113.84	69	D	
6	Indeno(1,2,3-cd)pyrene	25.69	0.26	0.00	276	21597**m**	111.14	67	D	
6	Dibenz(a,h)anthracene				278	0**d**		15	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F013.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 20:40	**Quant Date:**	11/24/2010 08:49	**Vial:**	13
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-017			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene	26.19	0.27	0.00	276	31695**m**	148.09	90	D	

Prep Amount:	40.316 g	**Dilution:**	10.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	82.0 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F013.D Vial: 13
Acq On : 23 Nov 2010 8:40 pm Operator: KBailey
Sample : K1012914-017 10X Inst : MS06
Misc : Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:21 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	69652	1000.00	ng/ml	-0.05
22) Naphthalene-d8	10.10	136	204881	1000.00	ng/ml	-0.05
36) Acenaphthene-d10	12.90	164	110215	1000.00	ng/ml	-0.05
60) Phenanthrene-d10	15.32	188	233946	1000.00	ng/ml	-0.04
70) Chrysene-d12	19.69	240	256859	1000.00	ng/ml	-0.03
79) Perylene-d12	23.19	264	239923m	1000.00	ng/ml	0.04
System Monitoring Compounds						
4) 2-Fluorophenol	6.61	112	13178	191.32	ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 5.10%#			
6) Phenol-d6	7.79	99	17753	219.61	ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 5.86%#			
20) Nitrobenzene-d5	9.03	82	16103	175.53	ng/ml	-0.05
Spiked Amount 2500.000	Range 30 - 139		Recovery = 7.02%#			
40) 2-Fluorobiphenyl	11.84	172	32914	181.64	ng/ml	-0.06
Spiked Amount 2500.000	Range 37 - 126		Recovery = 7.27%#			
61) 2,4,6-Tribromophenol	14.20	330	9248	226.35	ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 157		Recovery = 6.04%#			
73) Terphenyl-d14	17.97	244	46241	228.17	ng/ml	-0.05
Spiked Amount 2500.000	Range 54 - 158		Recovery = 9.13%#			

Target Compounds						Qvalue
30) Naphthalene	10.13	128	7175	35.17	ng/ml	98
34) 2-Methylnaphthalene	11.24	141	2020	17.46	ng/ml	72
35) 1-Methylnaphthalene	11.39	141	1219	10.21	ng/ml	86
43) Acenaphthylene	12.67	152	7403m	34.69	ng/ml	
44) Dimethyl Phthalate	12.54	163	14835	86.66	ng/ml	97
49) Dibenzofuran	13.24	168	2255	11.26	ng/ml	91
53) Fluorene	13.80	166	2777m	17.77	ng/ml	
55) Diethyl Phthalate	13.69	149	1689	9.30	ng/ml	92
65) Phenanthrene	15.35	178	20891	89.09	ng/ml	97
66) Anthracene	15.44	178	9324	38.27	ng/ml	93
67) Carbazole	15.74	167	4223m	19.83	ng/ml	
68) Di-n-butyl Phthalate	16.38	149	3080m	10.35	ng/ml	
69) Fluoranthene	17.29	202	38939	133.24	ng/ml	96
72) Pyrene	17.66	202	37177	134.31	ng/ml	93
74) Butyl Benzyl Phthalate	18.81	149	6203	51.30	ng/ml	91
76) Benz(a)anthracene	19.67	228	21168	79.68	ng/ml	95
77) Chrysene	19.74	228	27747	104.75	ng/ml	95
78) Bis(2-ethylhexyl) Phthalat	19.87	149	31256	194.91	ng/ml	94
81) Benzo(b)fluoranthene	22.17	252	32298	125.40	ng/ml	97
82) Benzo(k)fluoranthene	22.23	252	9863m	36.10	ng/ml	

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F013.D Vial: 13
Acq On : 23 Nov 2010 8:40 pm Operator: KBailey
Sample : K1012914-017 10X Inst : MS06
Misc : Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:21 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
83)	Benzo(a)pyrene	23.05	252	24548m	113.84 ng/ml	
84)	Indeno(1,2,3-cd)pyrene	25.69	276	21597m	111.14 ng/ml	
86)	Benzo(g,h,i)perylene	26.19	276	31695m	148.09 ng/ml	

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

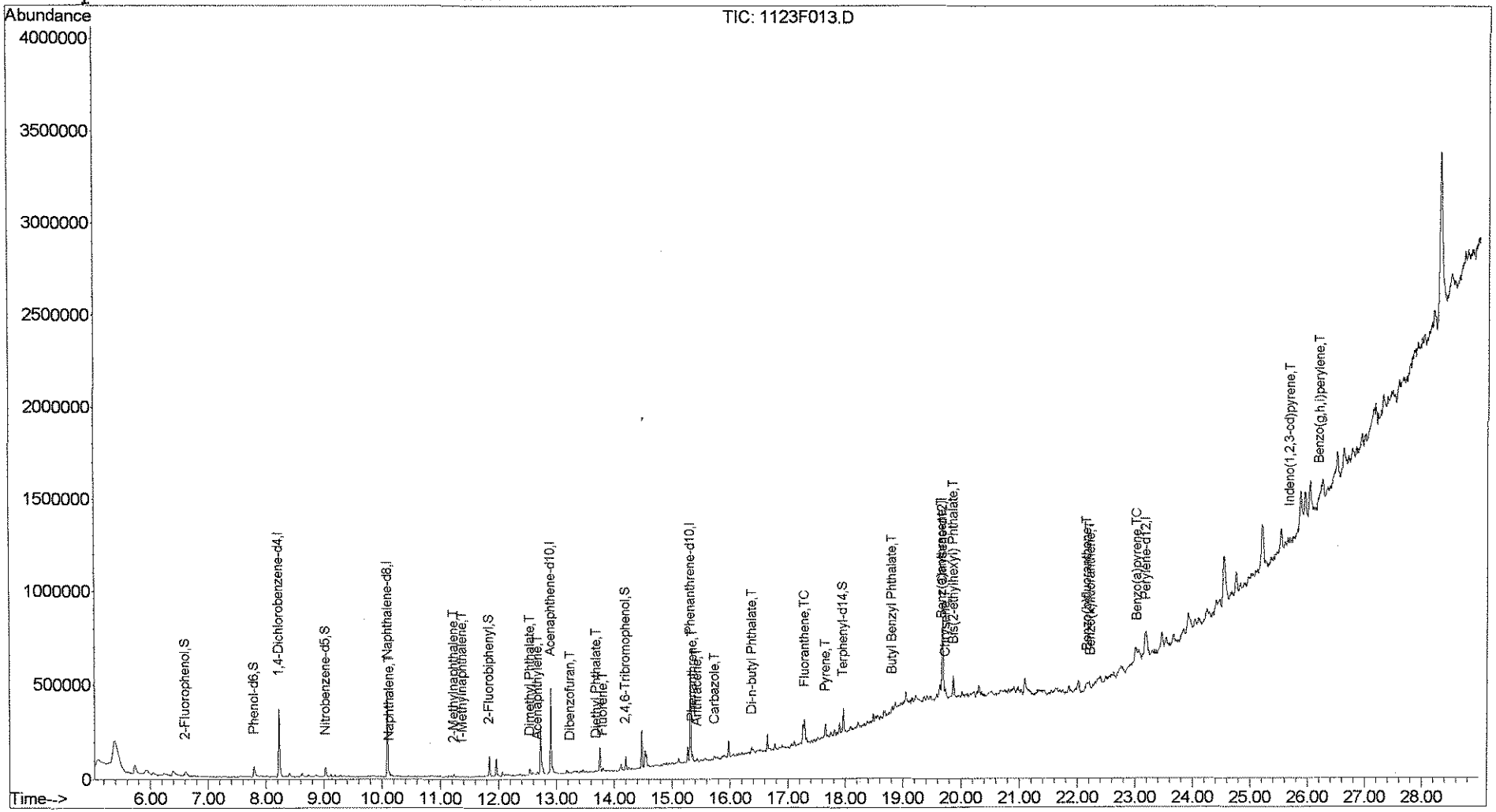
Quantitation Report (QT Reviewed)

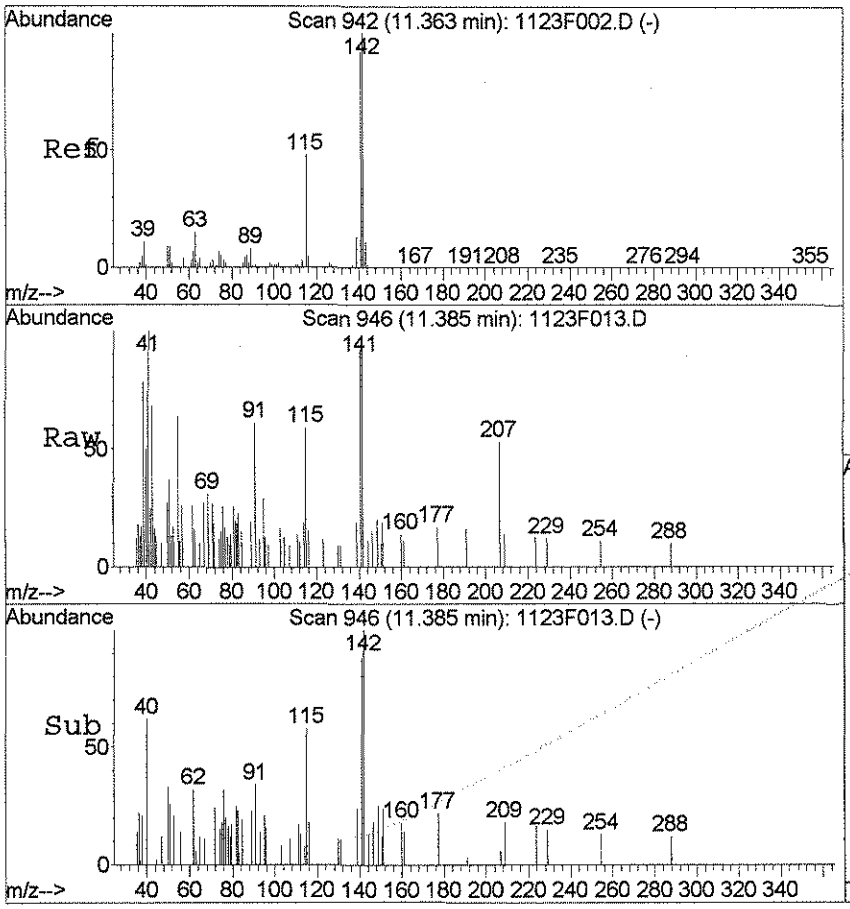
Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:49 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration

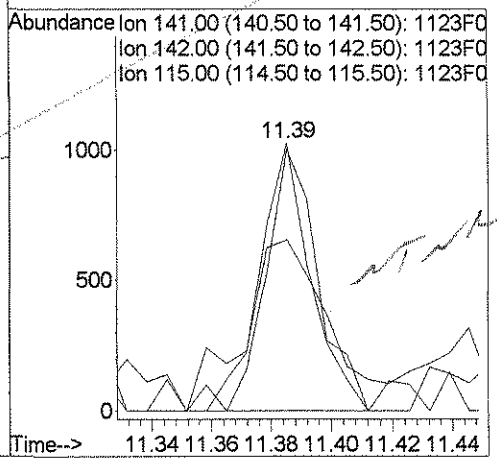


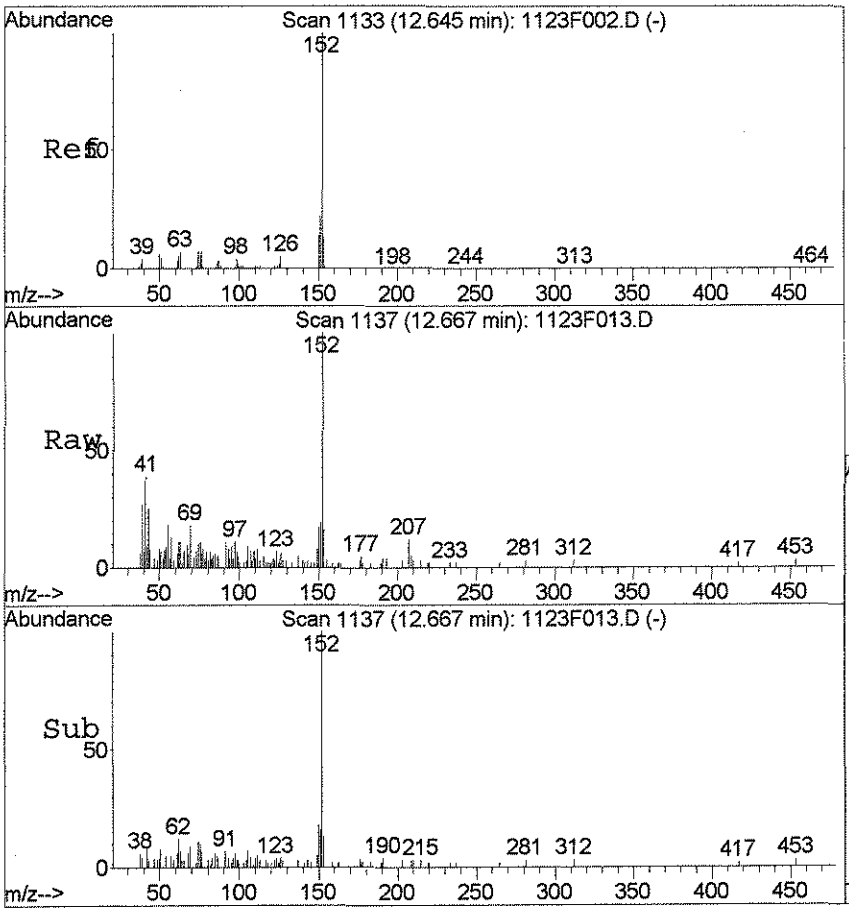


#35
1-Methylnaphthalene
Concen: 10.21 ng/ml
RT: 11.39 min Scan# 946
Delta R.T. -0.05 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:141 Resp: 1219

Ion	Ratio	Lower	Upper
141	100		
142	87.9	76.4	142.0
115	53.5	38.3	71.1

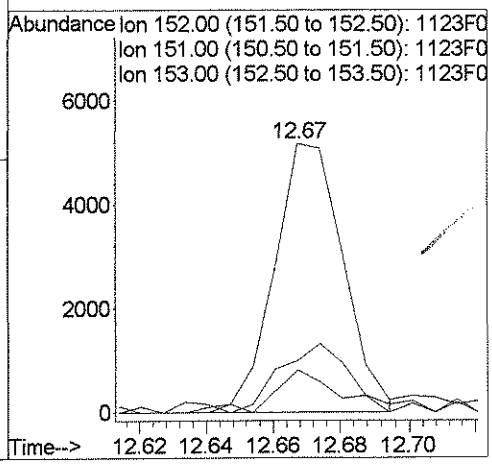


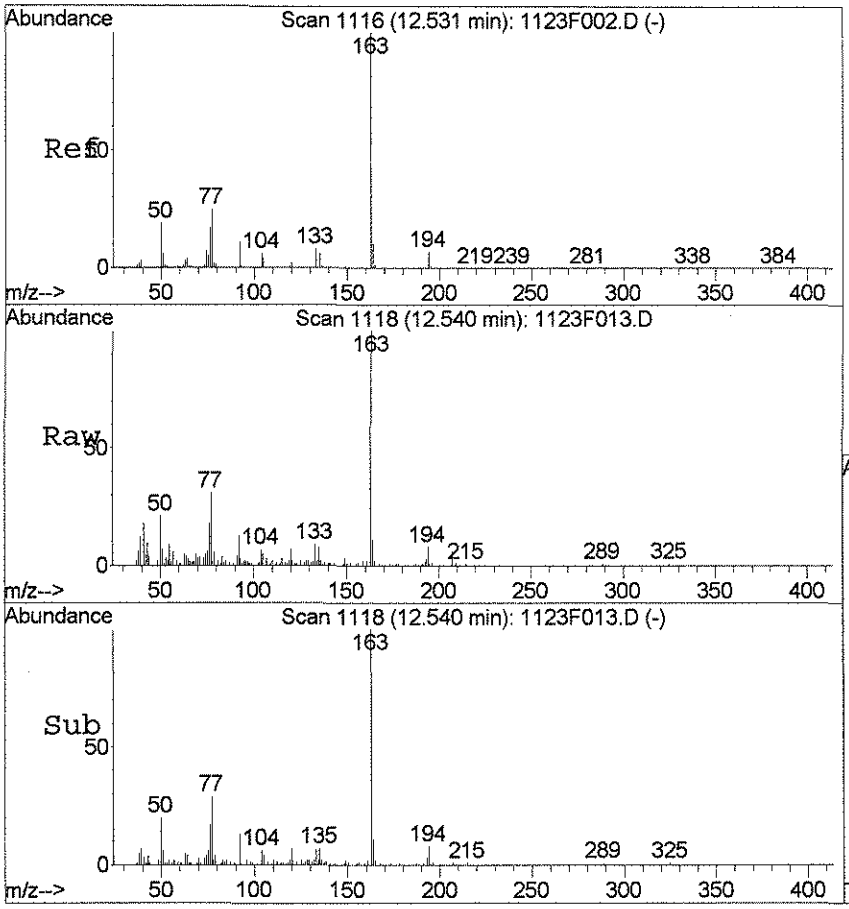


#43
Acenaphthylene
Concen: 34.69 ng/ml m
RT: 12.67 min Scan# 1137
Delta R.T. -0.05 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:152 Resp: 7403

Ion	Ratio	Lower	Upper
152	100		
151	19.3	0.0	50.8
153	15.7	0.0	42.8

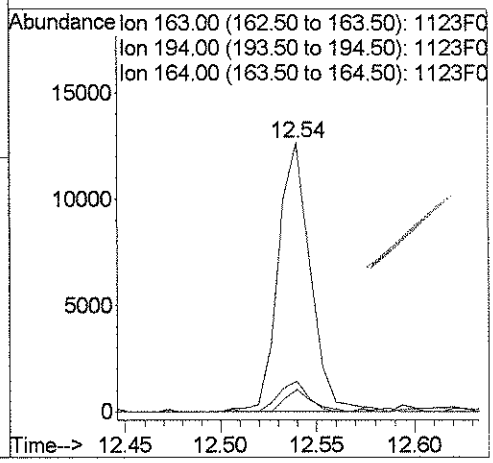


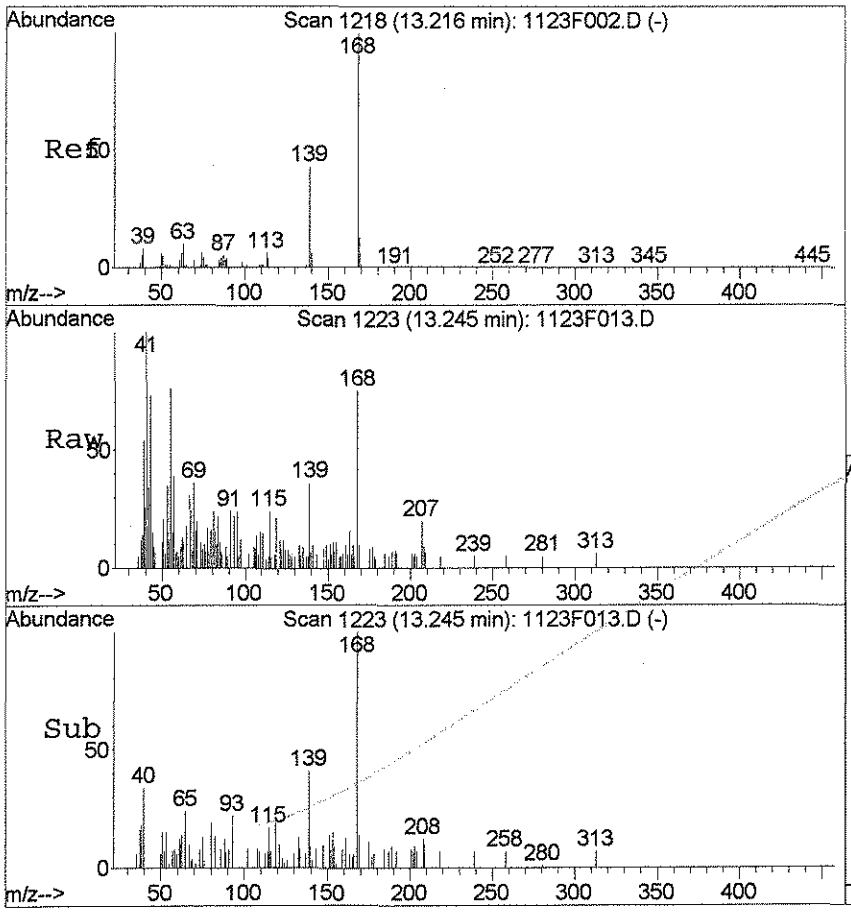


#44
Dimethyl Phthalate
Concen: 86.66 ng/ml
RT: 12.54 min Scan# 1118
Delta R.T. -0.06 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:163 Resp: 14835

Ion	Ratio	Lower	Upper
163	100		
194	8.2	0.0	37.0
164	11.3	0.0	40.1

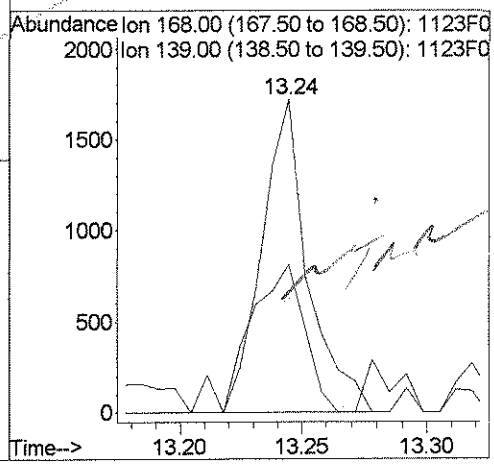


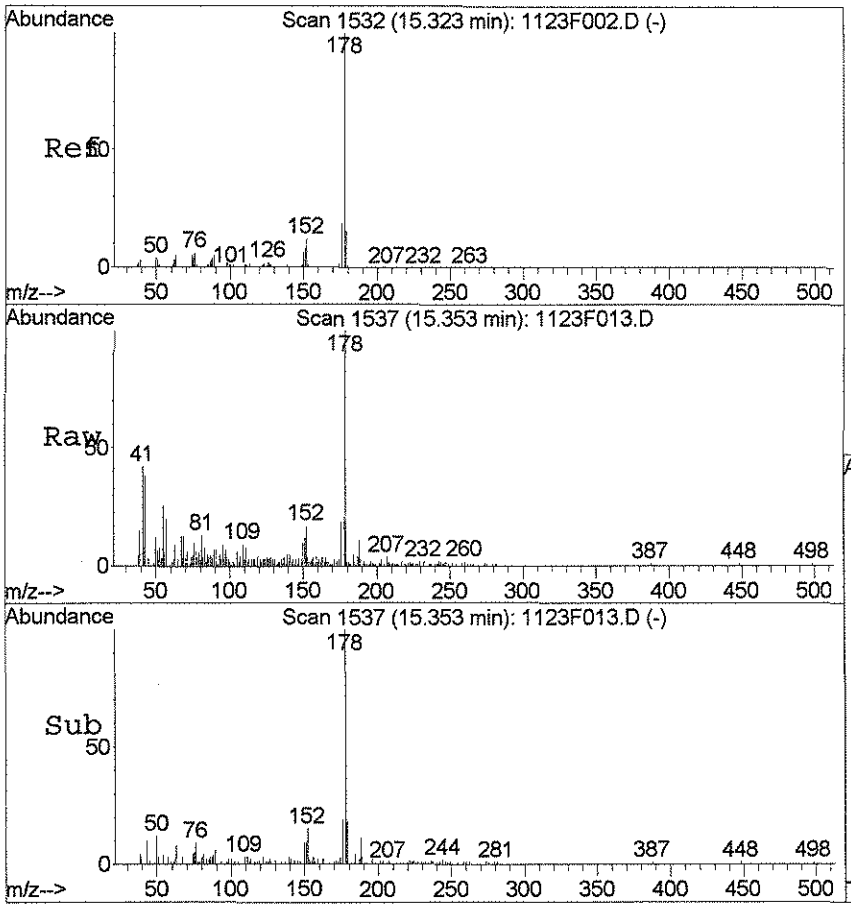


#49
Dibenzofuran
Concen: 11.26 ng/ml
RT: 13.24 min Scan# 1223
Delta R.T. -0.05 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:168 Resp: 2255

Ion	Ratio	Lower	Upper
168	100		
139	40.8	16.6	76.6

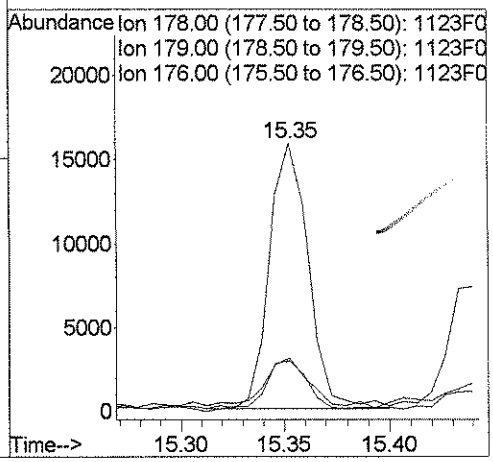


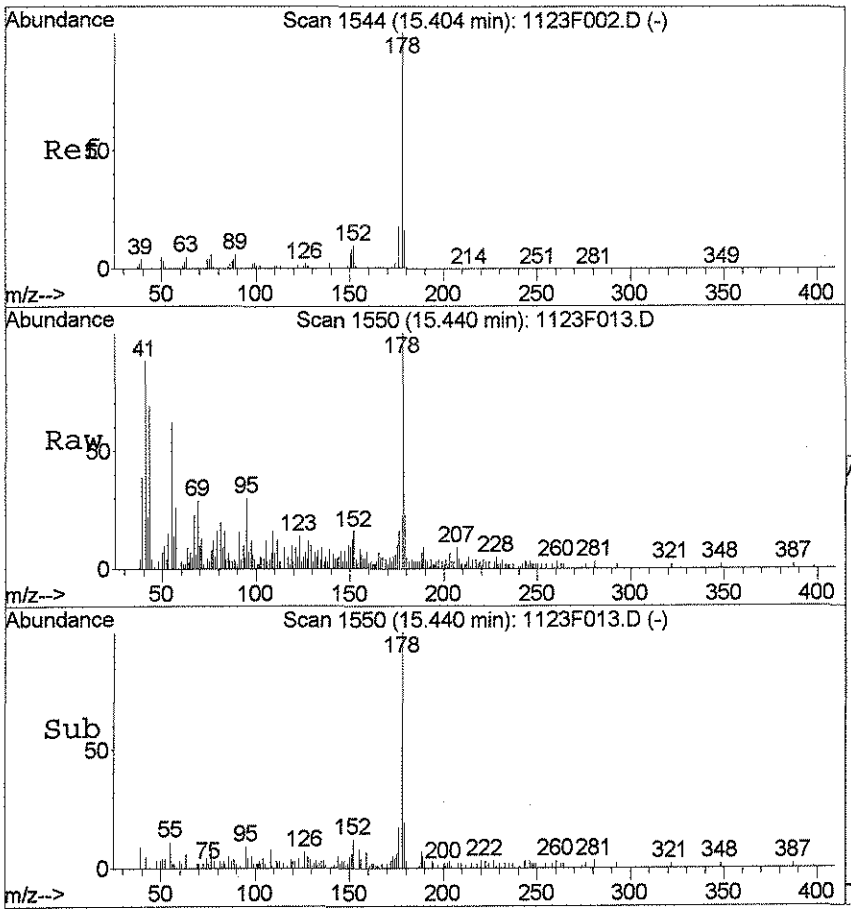


#65
Phenanthrene
Concen: 89.09 ng/ml
RT: 15.35 min Scan# 1537
Delta R.T. -0.05 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:178 Resp: 20891

Ion	Ratio	Lower	Upper
178	100		
179	18.0	0.0	45.6
176	19.2	0.0	49.0

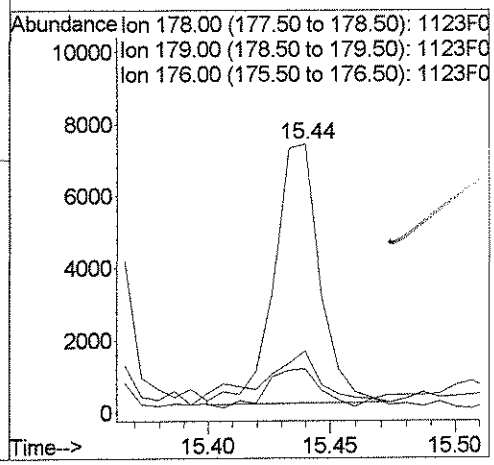


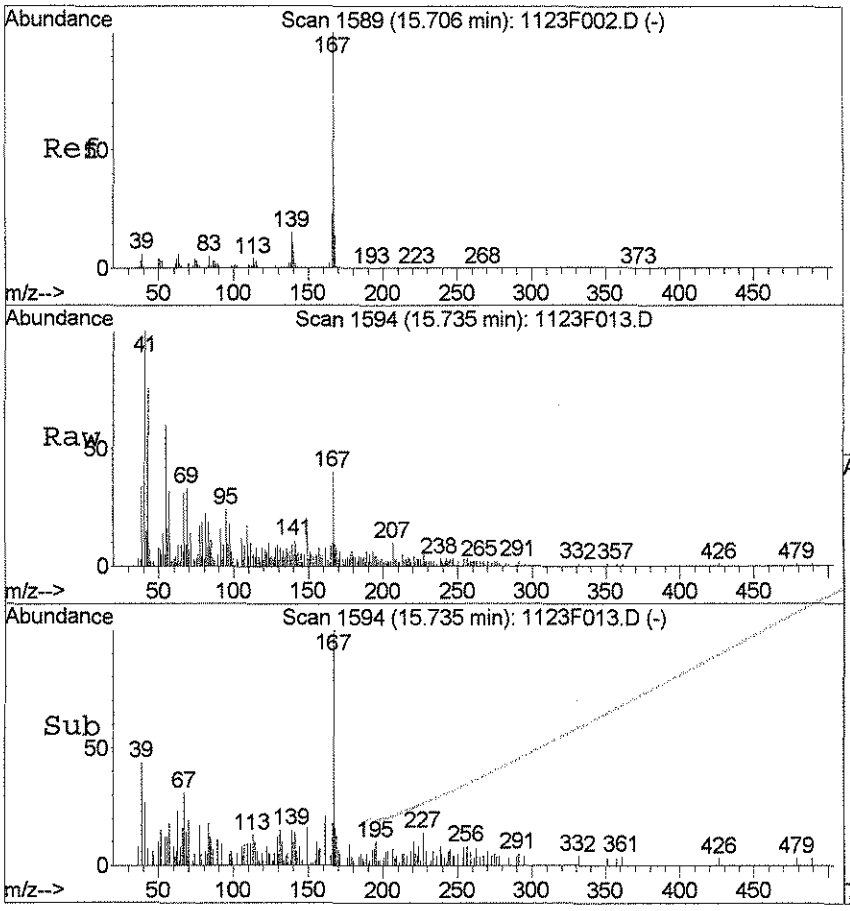


#66
Anthracene
Concen: 38.27 ng/ml
RT: 15.44 min Scan# 1550
Delta R.T. -0.05 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:178 Resp: 9324

Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	45.9
176	13.7	0.0	48.4

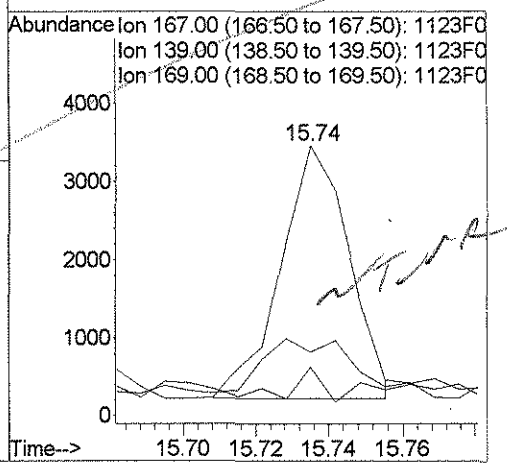


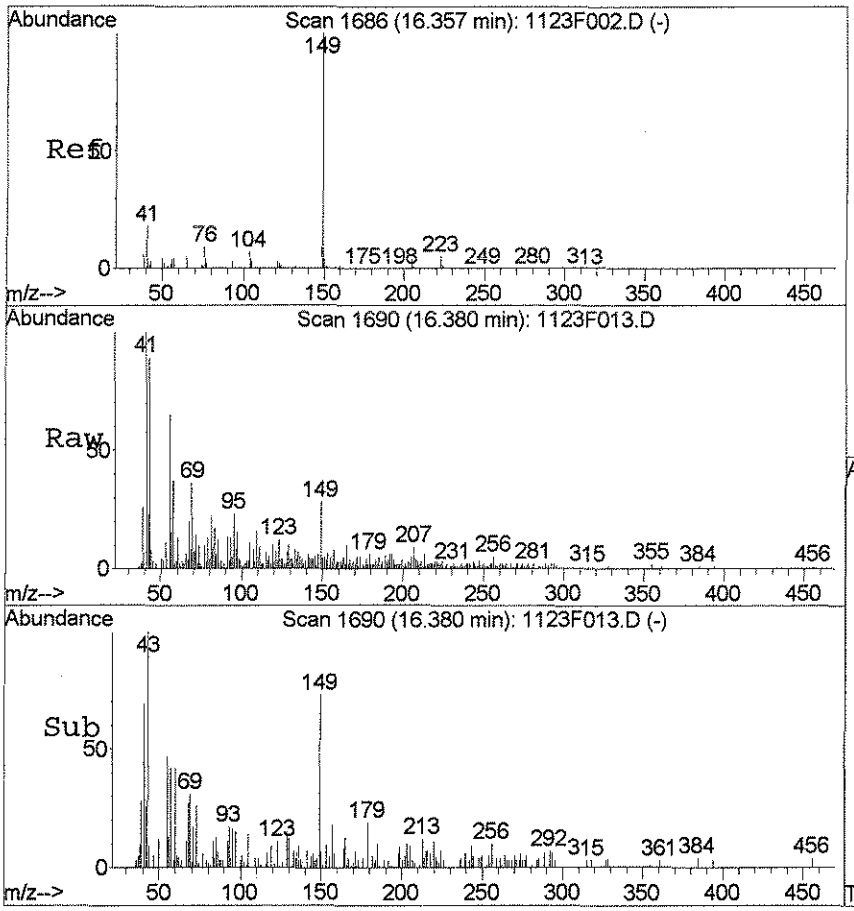


#67
Carbazole
Concen: 19.83 ng/ml m
RT: 15.74 min Scan# 1594
Delta R.T. -0.05 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:167 Resp: 4223

Ion	Ratio	Lower	Upper
167	100		
139	23.7	0.0	44.6
169	18.0	0.0	30.9

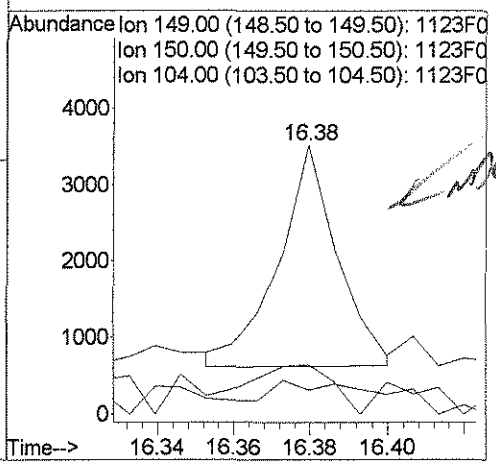


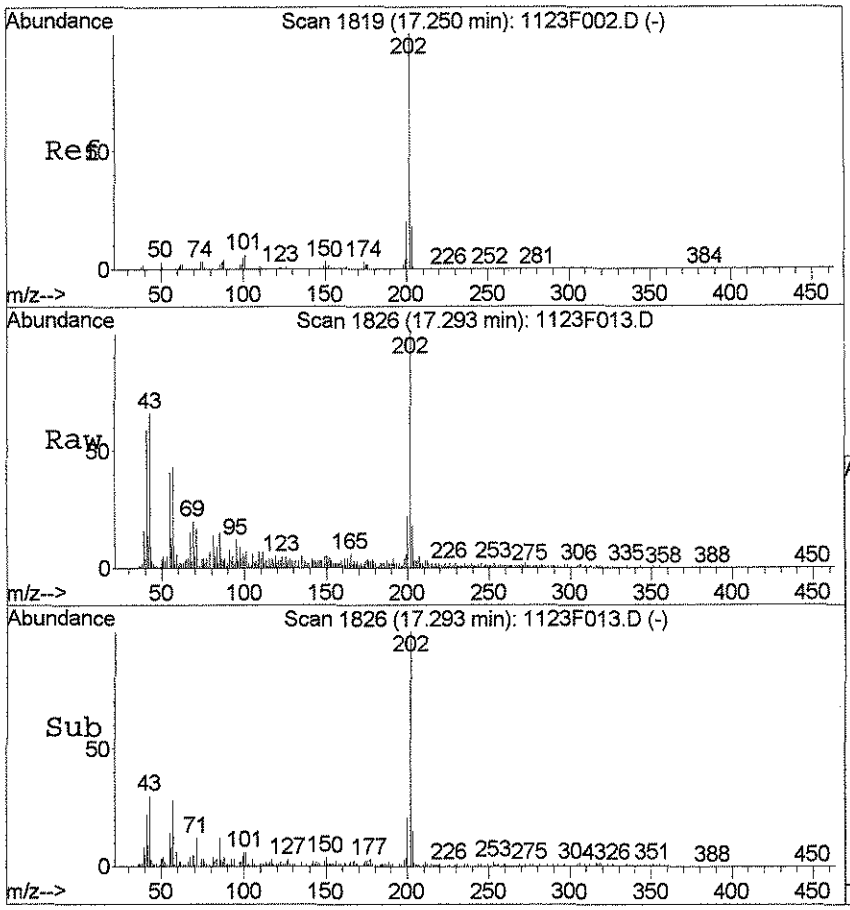


#68
Di-n-butyl Phthalate
Concen: 10.35 ng/ml m
RT: 16.38 min Scan# 1690
Delta R.T. -0.06 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:149 Resp: 3080

Ion	Ratio	Lower	Upper
149	100		
150	18.3	0.0	38.8
104	9.0	0.0	36.3

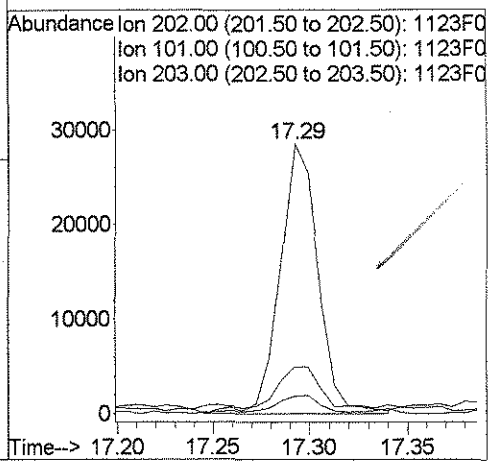


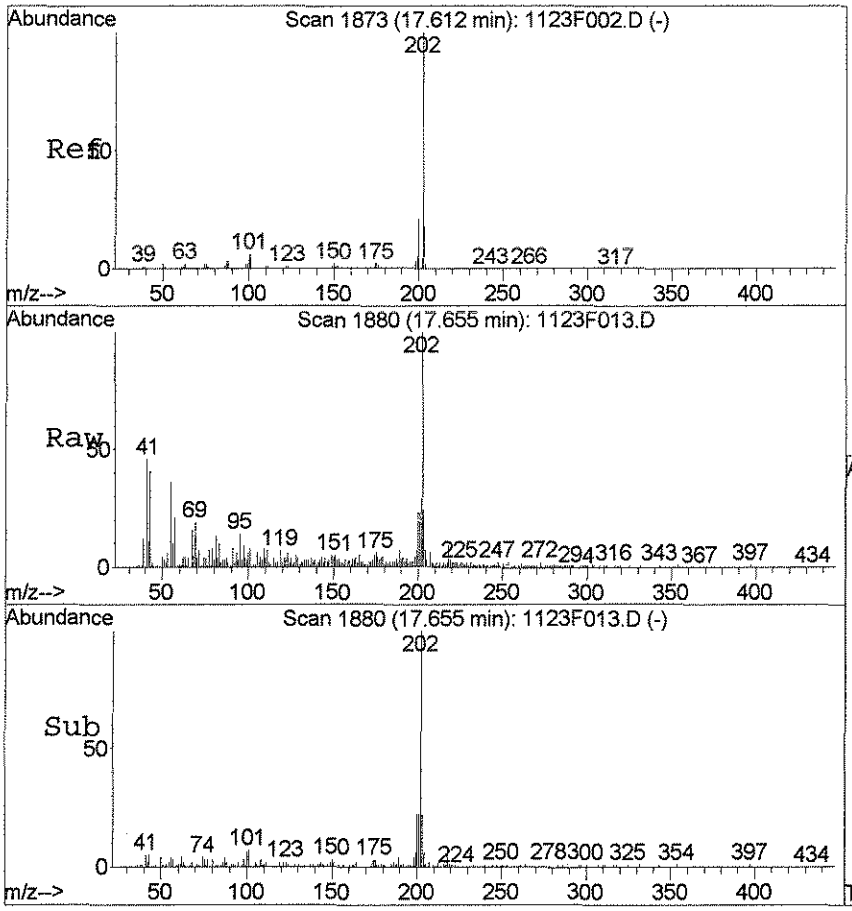


#69
Fluoranthene
Concen: 133.24 ng/ml
RT: 17.29 min Scan# 1826
Delta R.T. -0.04 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:202 Resp: 38939

Ion	Ratio	Lower	Upper
202	100		
101	6.0	0.0	36.1
203	14.7	0.0	47.2

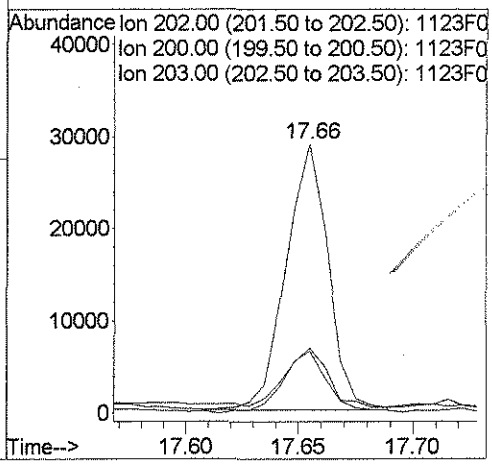


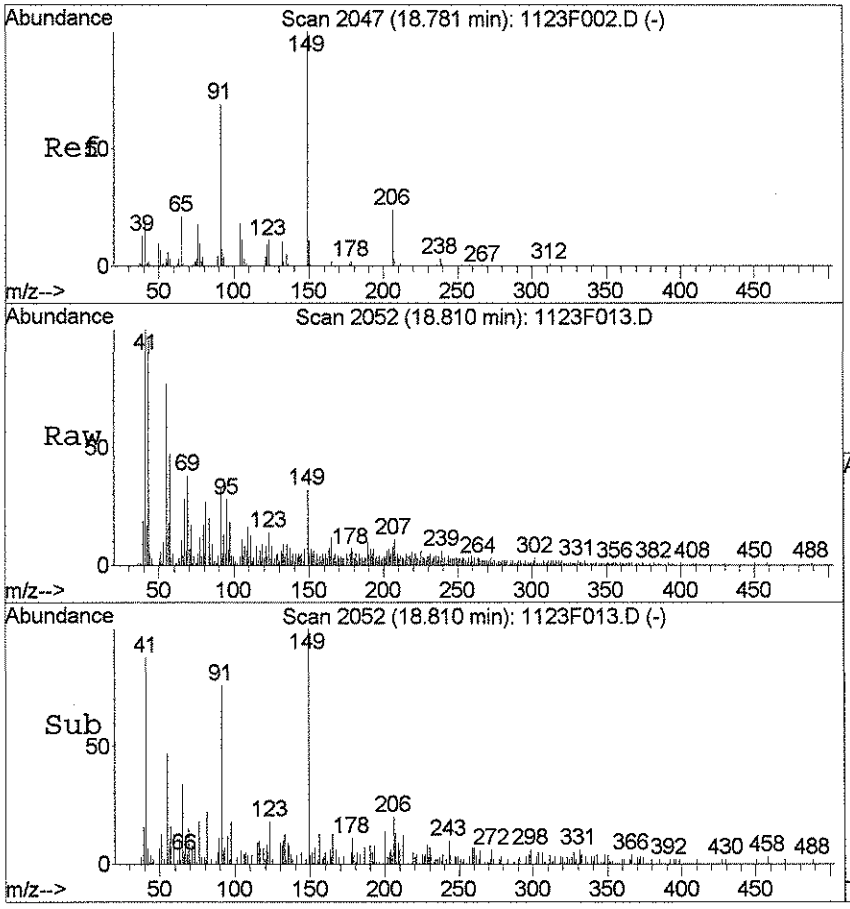


#72
Pyrene
Concen: 134.31 ng/ml
RT: 17.66 min Scan# 1880
Delta R.T. -0.04 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:202 Resp: 37177

Ion	Ratio	Lower	Upper
202	100		
200	22.2	0.0	51.0
203	22.0	0.0	47.0

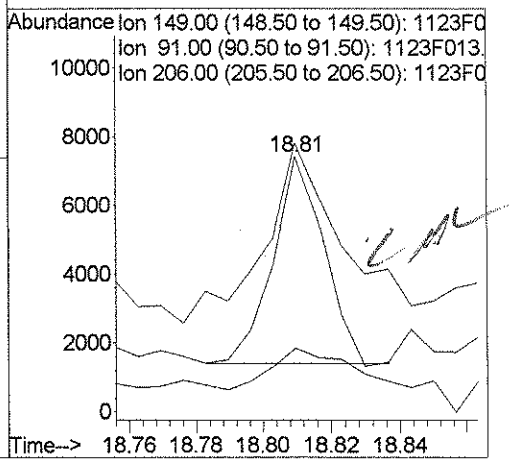


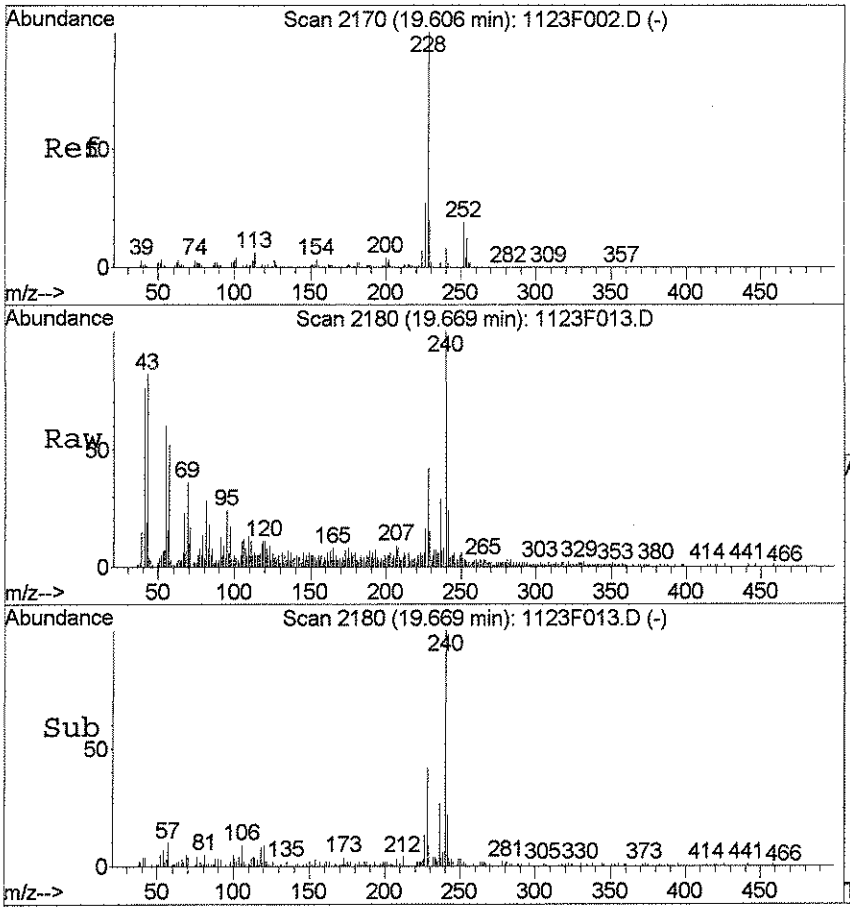


#74
Butyl Benzyl Phthalate
Concen: 51.30 ng/ml
RT: 18.81 min Scan# 2052
Delta R.T. -0.06 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:149 Resp: 6203

Ion	Ratio	Lower	Upper
149	100		
91	71.9	38.1	98.1
206	17.7	0.0	57.6

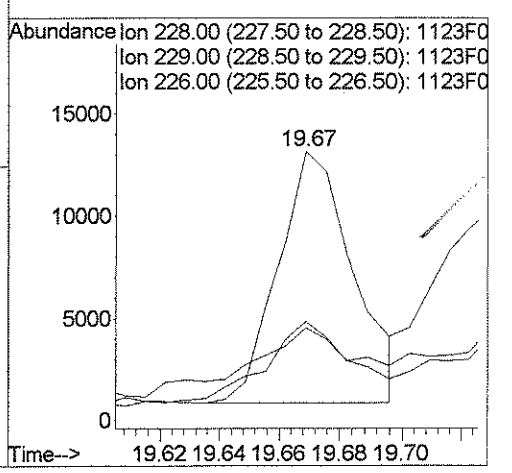


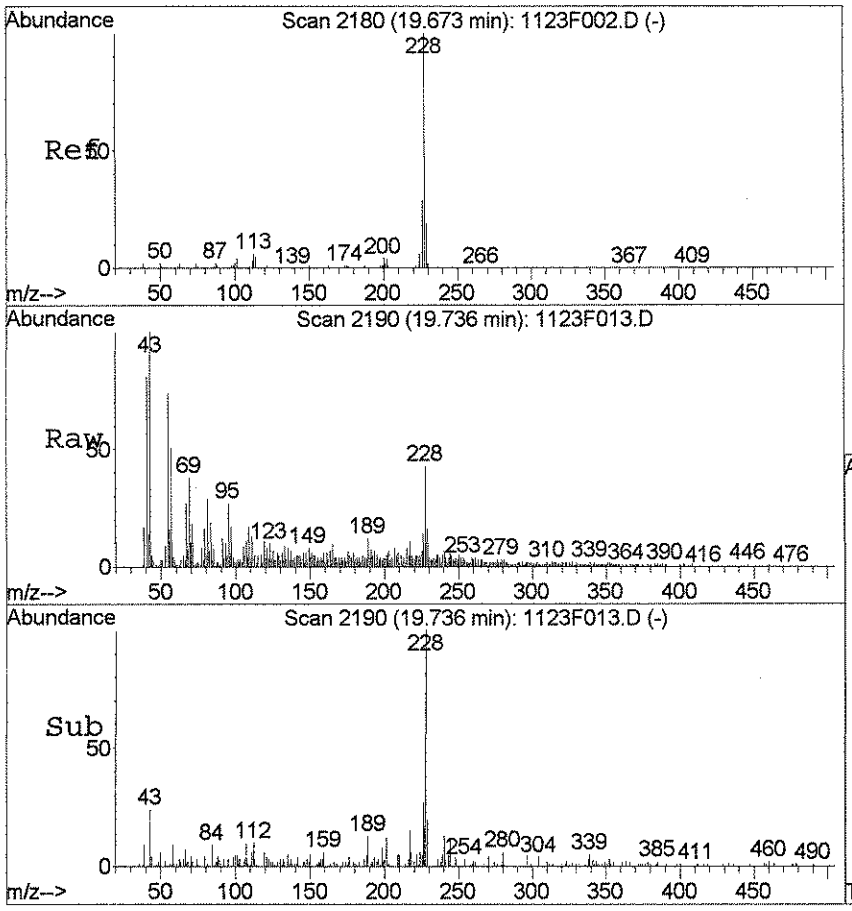


#76
Benz(a)anthracene
Concen: 79.68 ng/ml
RT: 19.67 min Scan# 2180
Delta R.T. -0.03 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:228 Resp: 21168

Ion	Ratio	Lower	Upper
228	100		
229	21.2	0.0	49.4
226	30.7	0.0	57.7

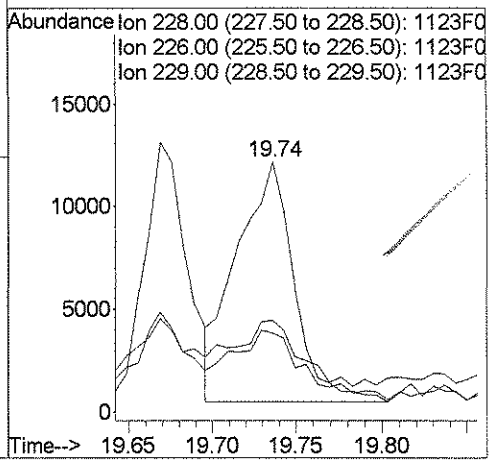


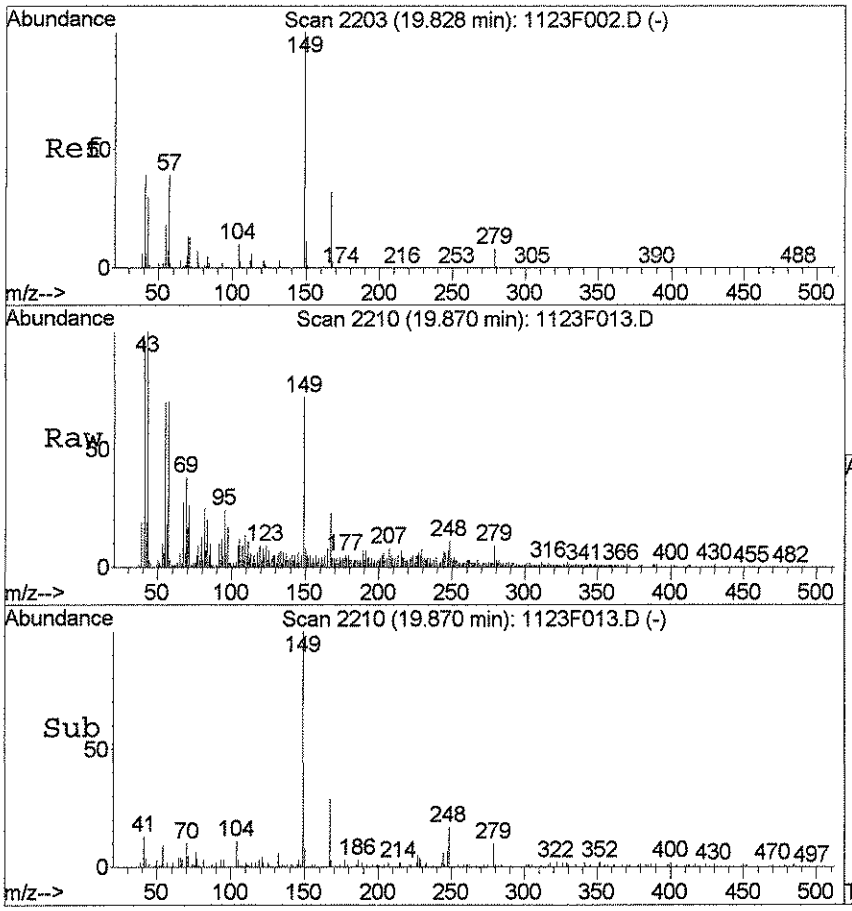


#77
Chrysene
Concen: 104.75 ng/ml
RT: 19.74 min Scan# 2190
Delta R.T. -0.04 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:228 Resp: 27747

Ion	Ratio	Lower	Upper
228	100		
226	27.8	0.0	58.9
229	23.8	0.0	49.4

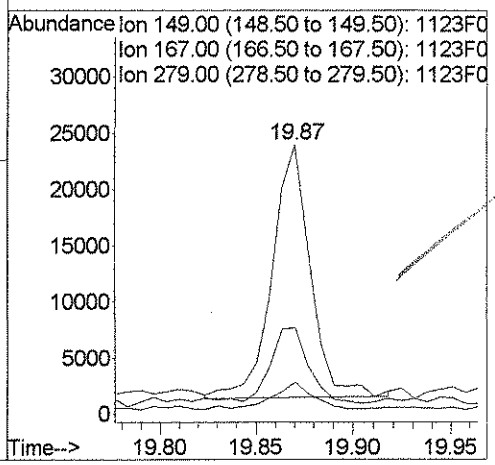


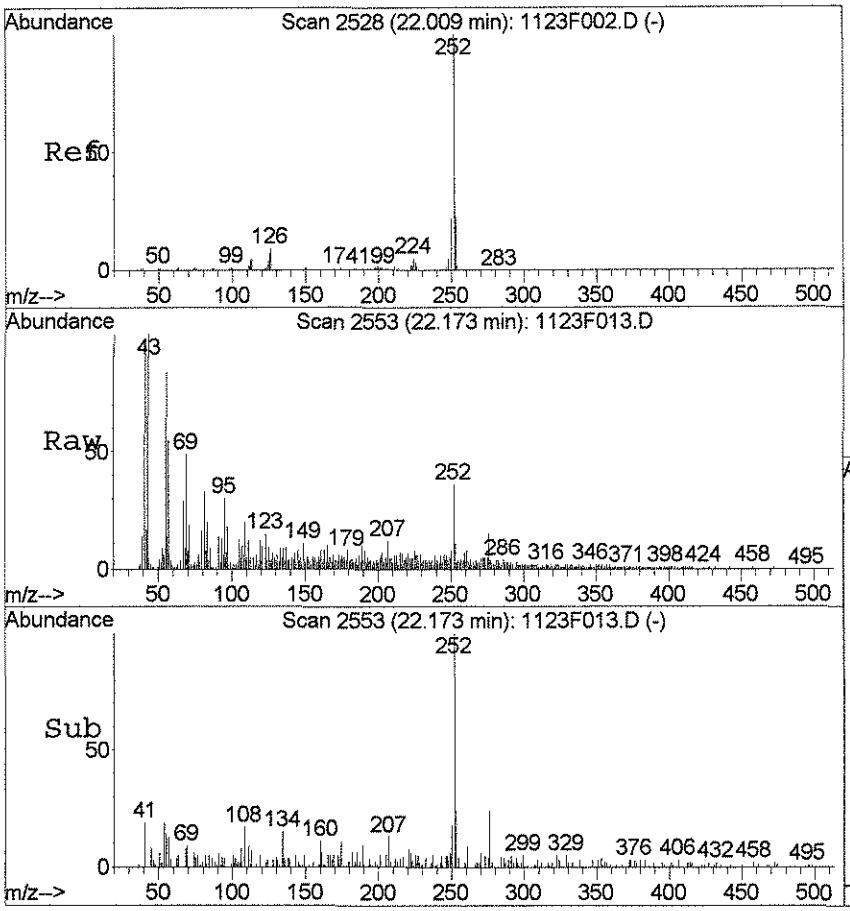


#78
Bis(2-ethylhexyl) Phthalate
Concen: 194.91 ng/ml
RT: 19.87 min Scan# 2210
Delta R.T. -0.07 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:149 Resp: 31256

Ion	Ratio	Lower	Upper
149	100		
167	28.4	2.1	62.1
279	11.0	0.0	39.6

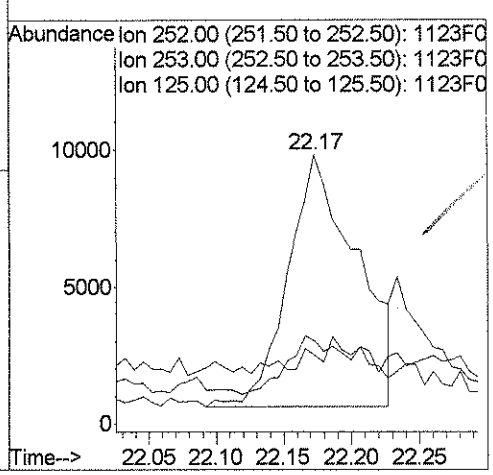


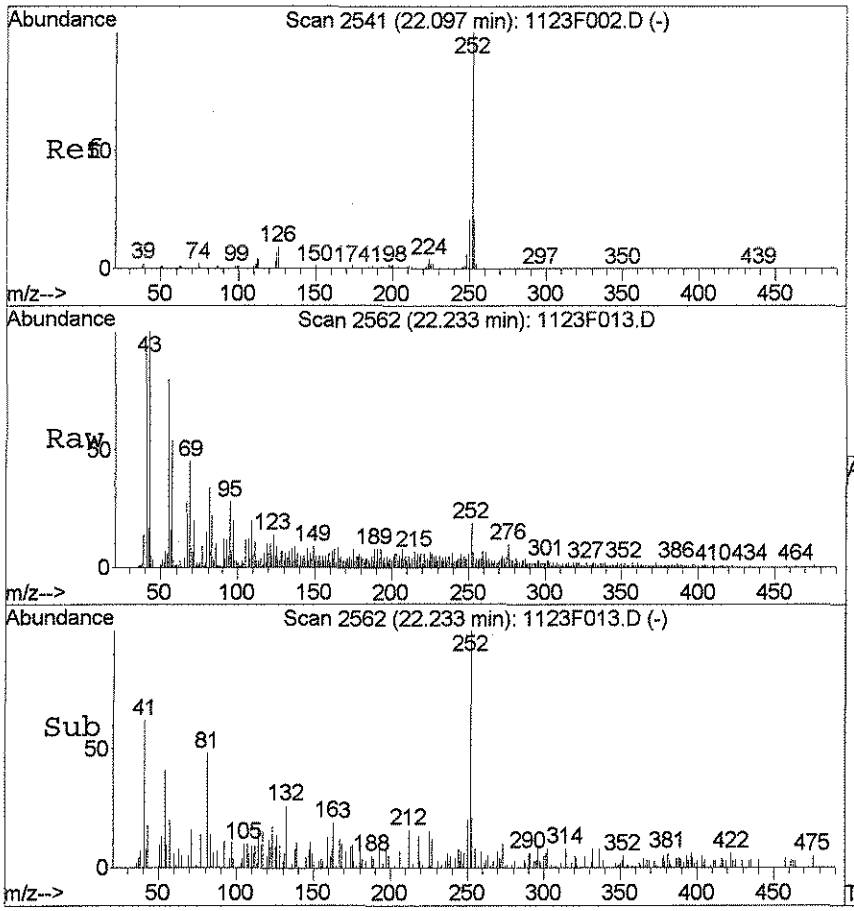


#81
Benzo(b)fluoranthene
Concen: 125.40 ng/ml
RT: 22.17 min Scan# 2553
Delta R.T. 0.01 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:252 Resp: 32298

Ion	Ratio	Lower	Upper
252	100		
253	19.5	0.0	51.0
125	5.1	0.0	36.4

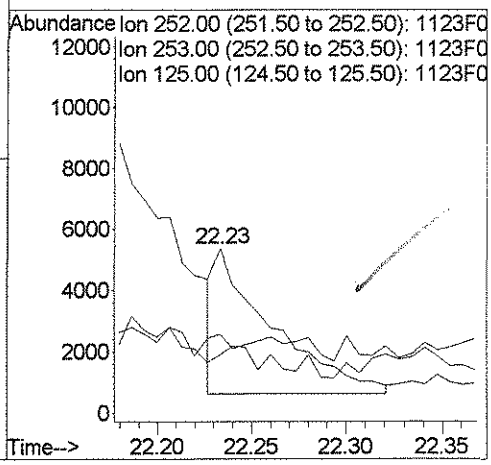


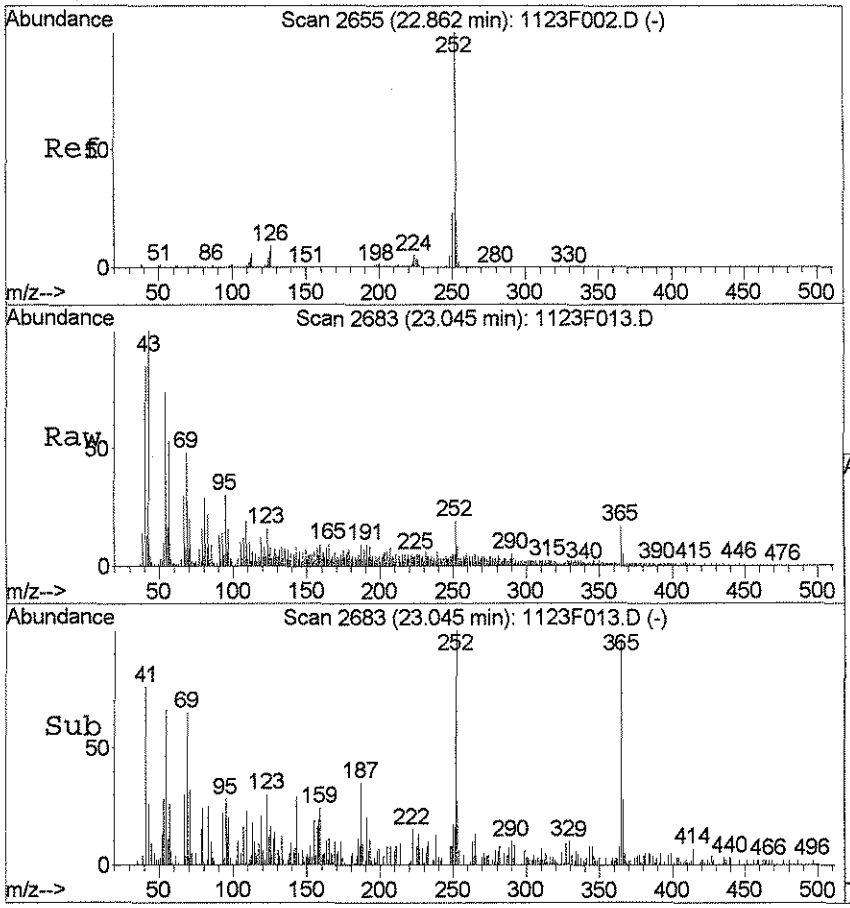


#82
Benzo(k)fluoranthene
Concen: 36.10 ng/ml m
RT: 22.23 min Scan# 2562
Delta R.T. -0.01 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:252 Resp: 9863

Ion	Ratio	Lower	Upper
252	100		
253	35.6	0.0	51.3
125	48.2	0.0	36.2#

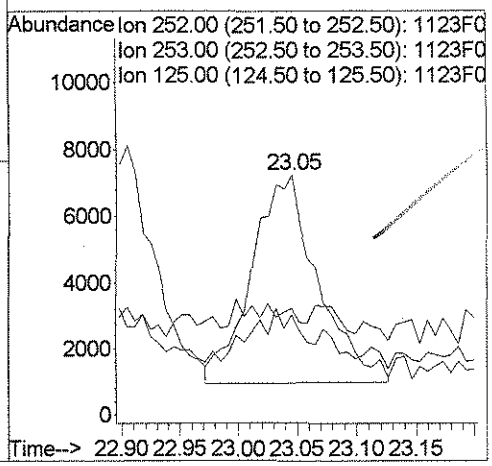


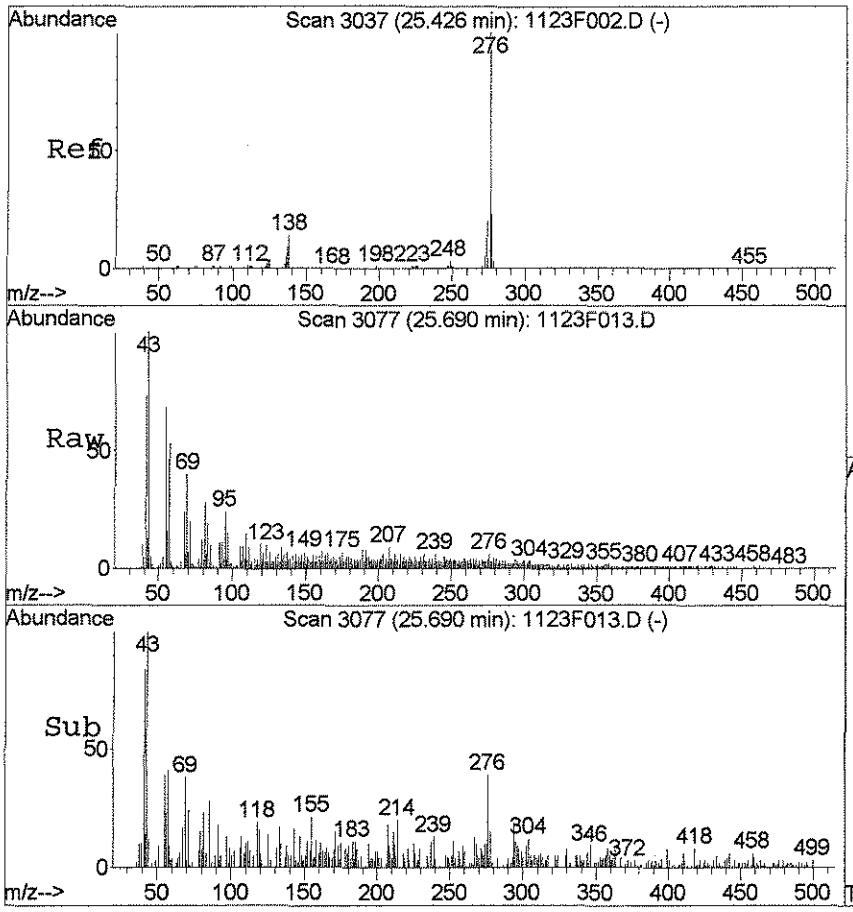


#83
Benzo(a)pyrene
Concen: 113.84 ng/ml m
RT: 23.05 min Scan# 2683
Delta R.T. 0.03 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:252 Resp: 24548

Ion	Ratio	Lower	Upper
252	100		
253	42.0	0.0	50.3
125	44.6	0.0	37.0#

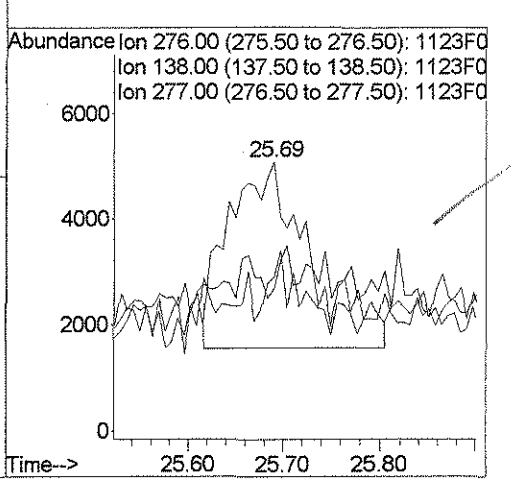


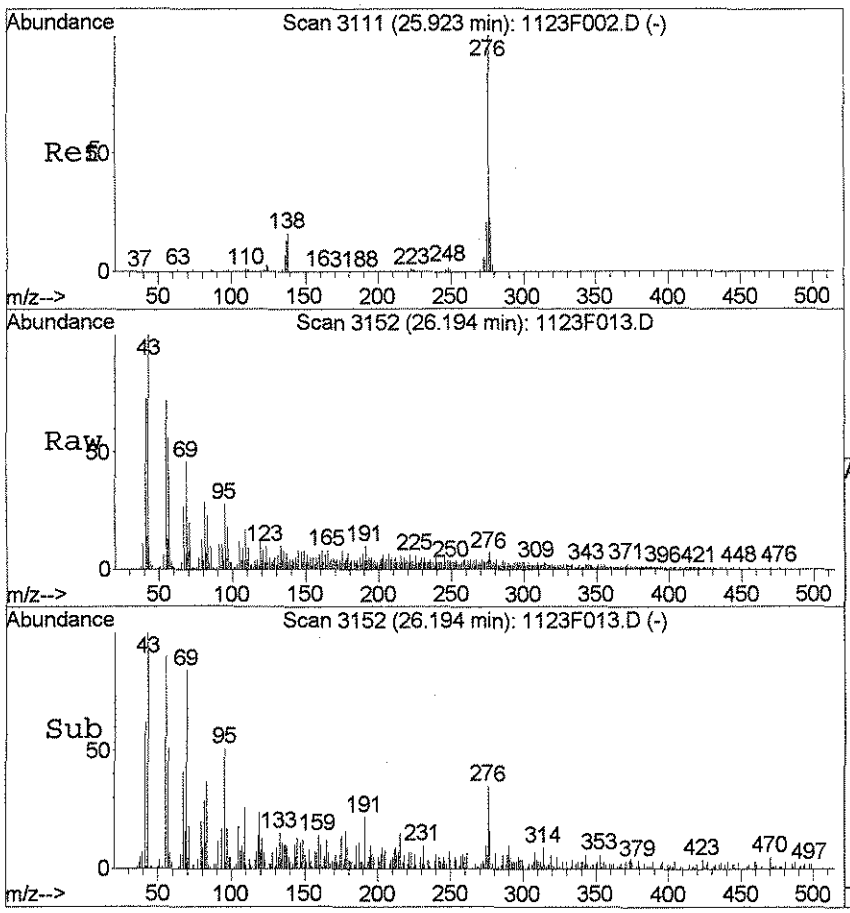


#84
Indeno(1,2,3-cd)pyrene
Concen: 111.14 ng/ml m
RT: 25.69 min Scan# 3077
Delta R.T. 0.14 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:276 Resp: 21597

Ion	Ratio	Lower	Upper
276	100		
138	57.2	0.0	44.3#
277	52.9	0.0	53.0

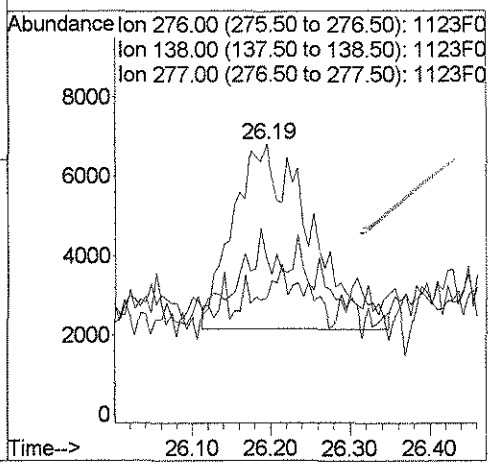




#86
Benzo(g,h,i)perylene
Concen: 148.09 ng/ml m
RT: 26.19 min Scan# 3152
Delta R.T. 0.14 min
Lab File: 1123F013.D
Acq: 23 Nov 2010 8:40 pm

Tgt Ion:276 Resp: 31695

Ion	Ratio	Lower	Upper
276	100		
138	43.0	0.0	44.2
277	58.2	0.0	52.7#



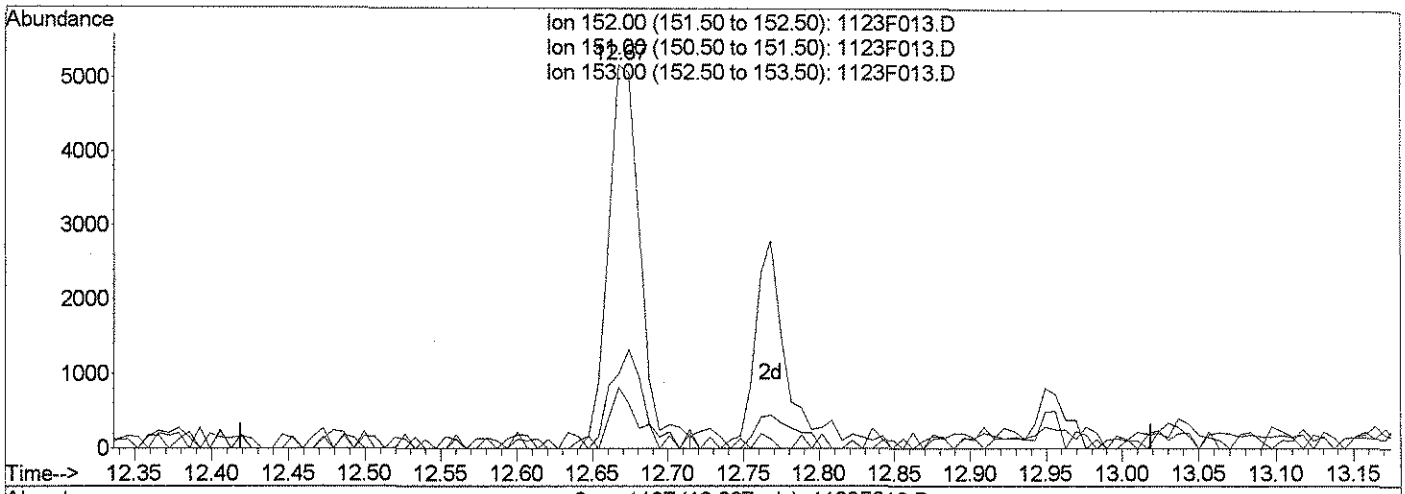
Quantitation Report (Qedit)

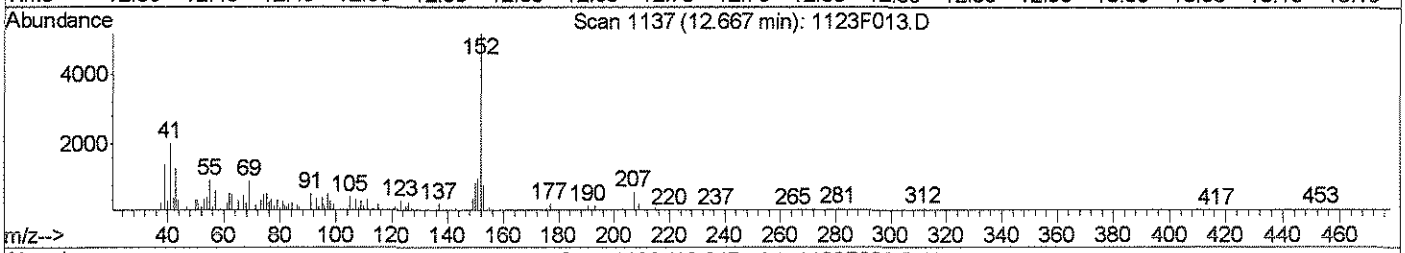
Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:47 2010

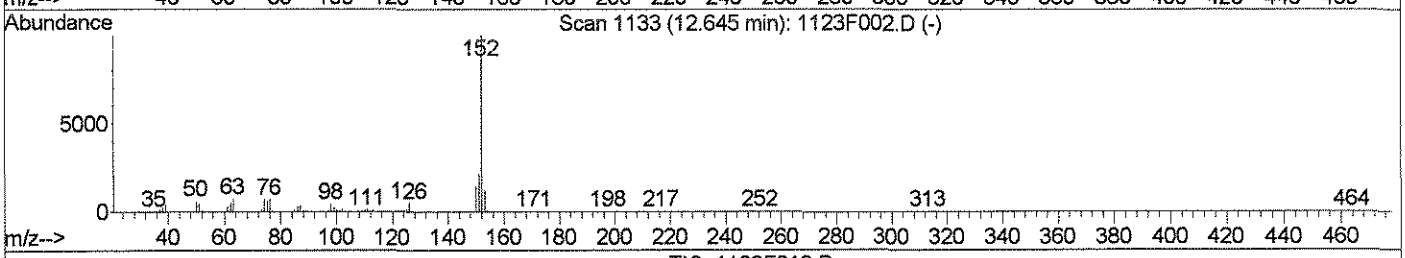
Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F013.D

(43) Acenaphthylene (T)

12.67min 36.12ng/ml

response 7707

Ion	Exp%	Act%
152.00	100	100
151.00	20.80	15.20
153.00	12.80	15.74
0.00	0.00	0.00

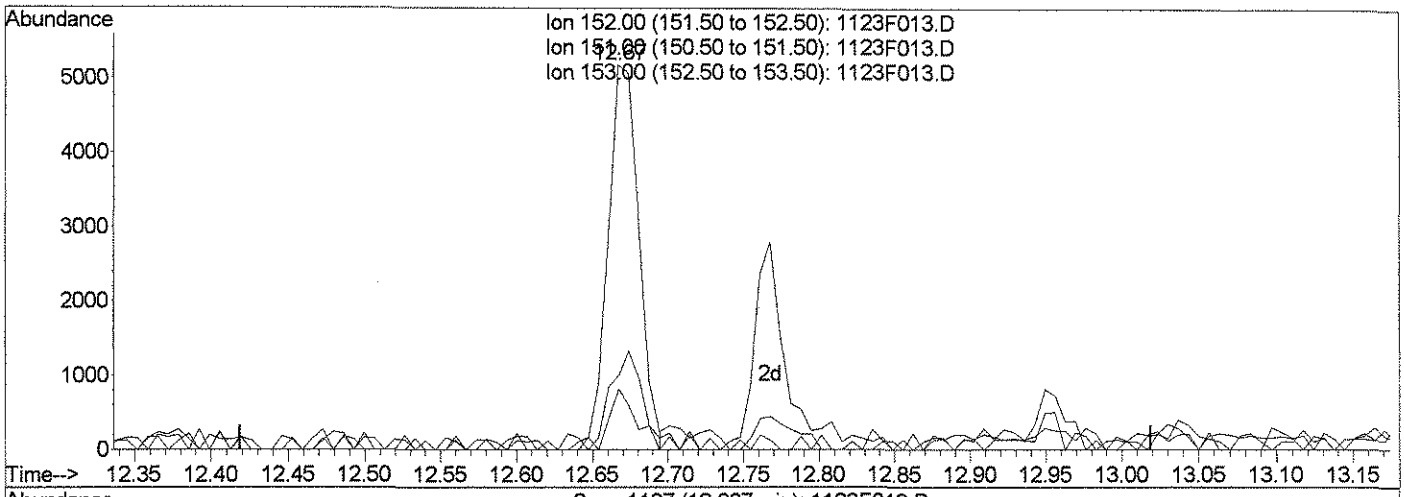
Quantitation Report (Qedit)

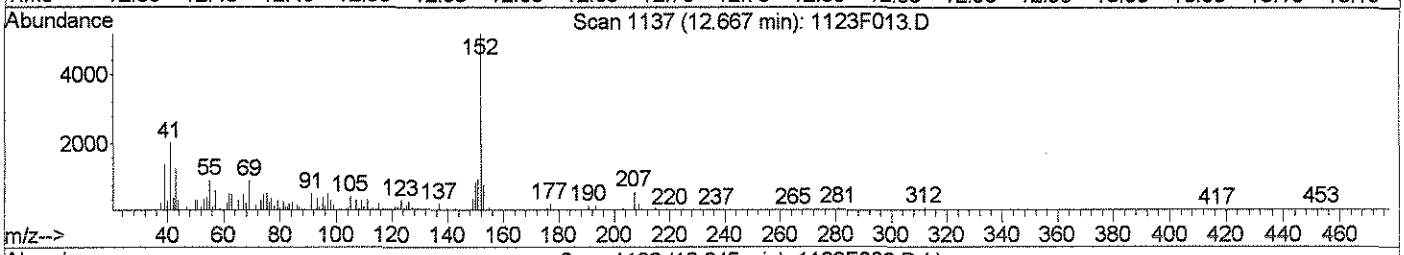
Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:47 2010

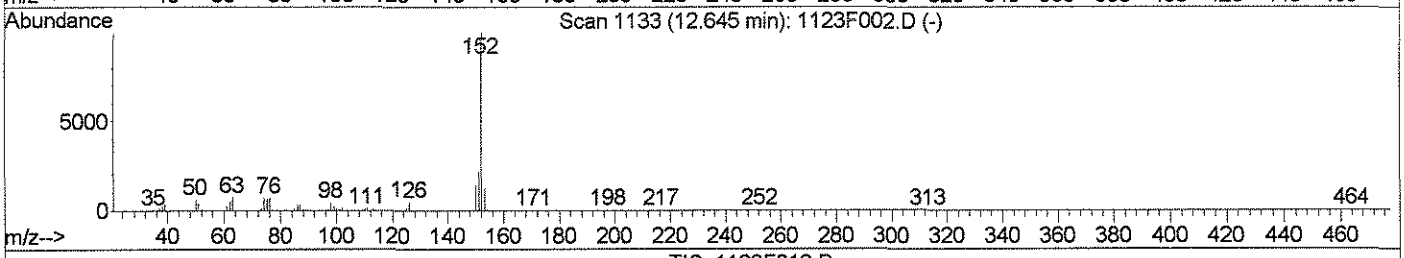
Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F013.D

(43) Acenaphthylene (T)

12.67min 34.69ng/ml m

response 7403

Ion	Exp%	Act%
152.00	100	100
151.00	20.80	19.27
153.00	12.80	15.74
0.00	0.00	0.00

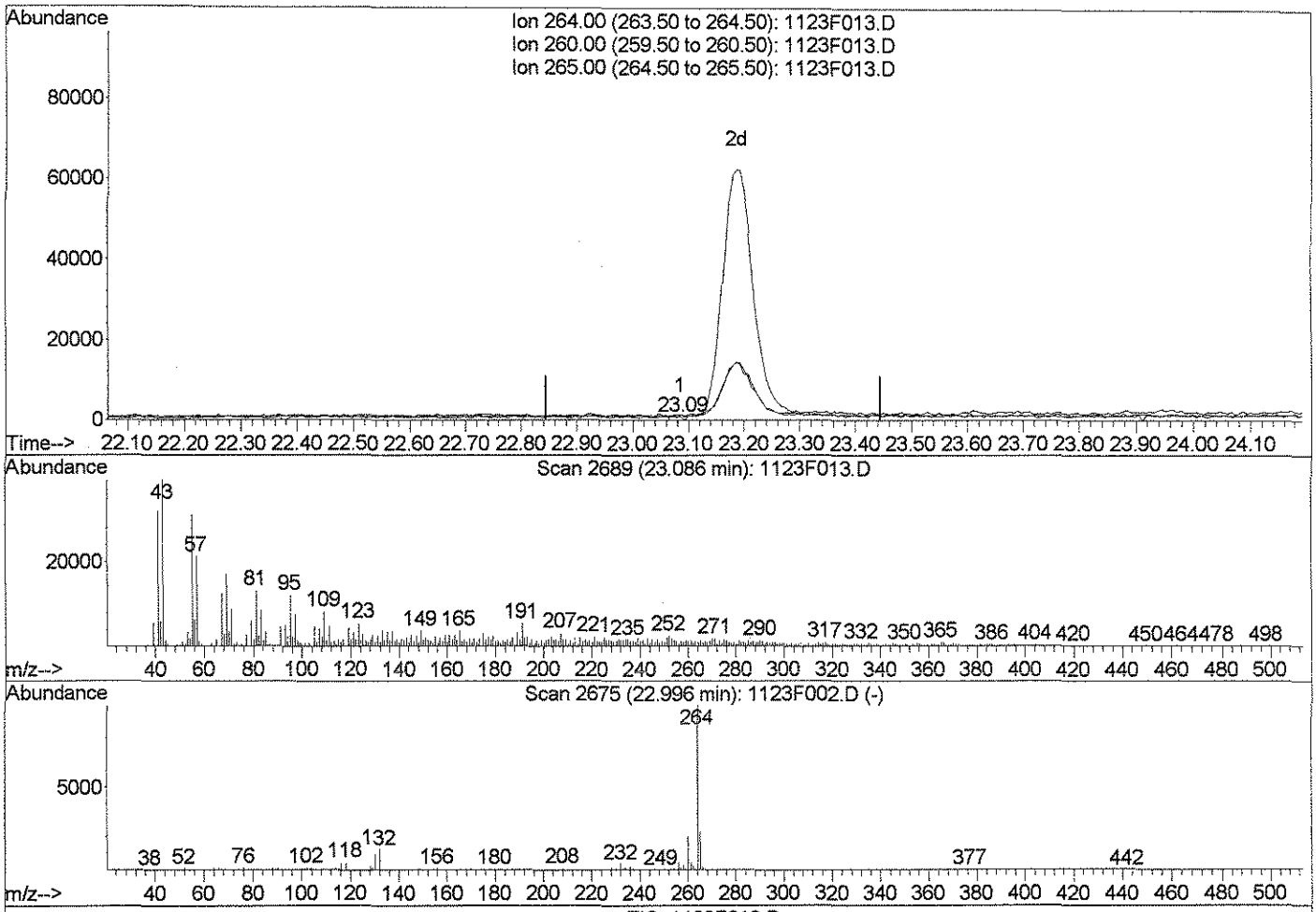
01
LB 11/24/10

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:48 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(79) Perylene-d12 (I)

23.09min 1000.00ng/ml

response 1038

Ion	Exp%	Act%
264.00	100	100
260.00	20.70	41.63
265.00	21.10	38.77
0.00	0.00	0.00

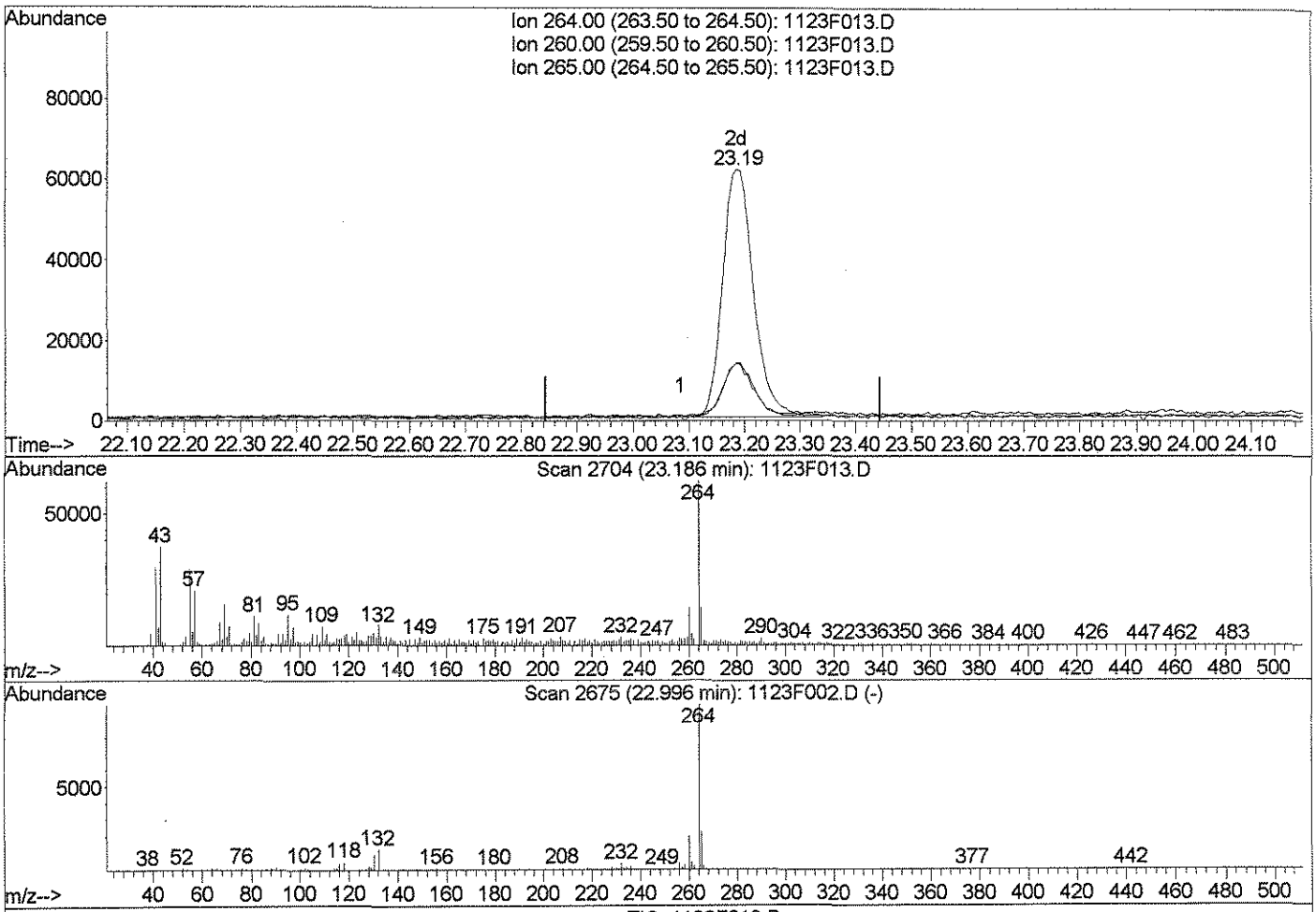
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:49 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



TIC: 1123F013.D

(79) Perylene-d12 (I)

23.19min 1000.00ng/ml m

response 239923

Ion	Exp%	Act%
264.00	100	100
260.00	20.70	23.04
265.00	21.10	23.07
0.00	0.00	0.00

WP
LB 11/24/10

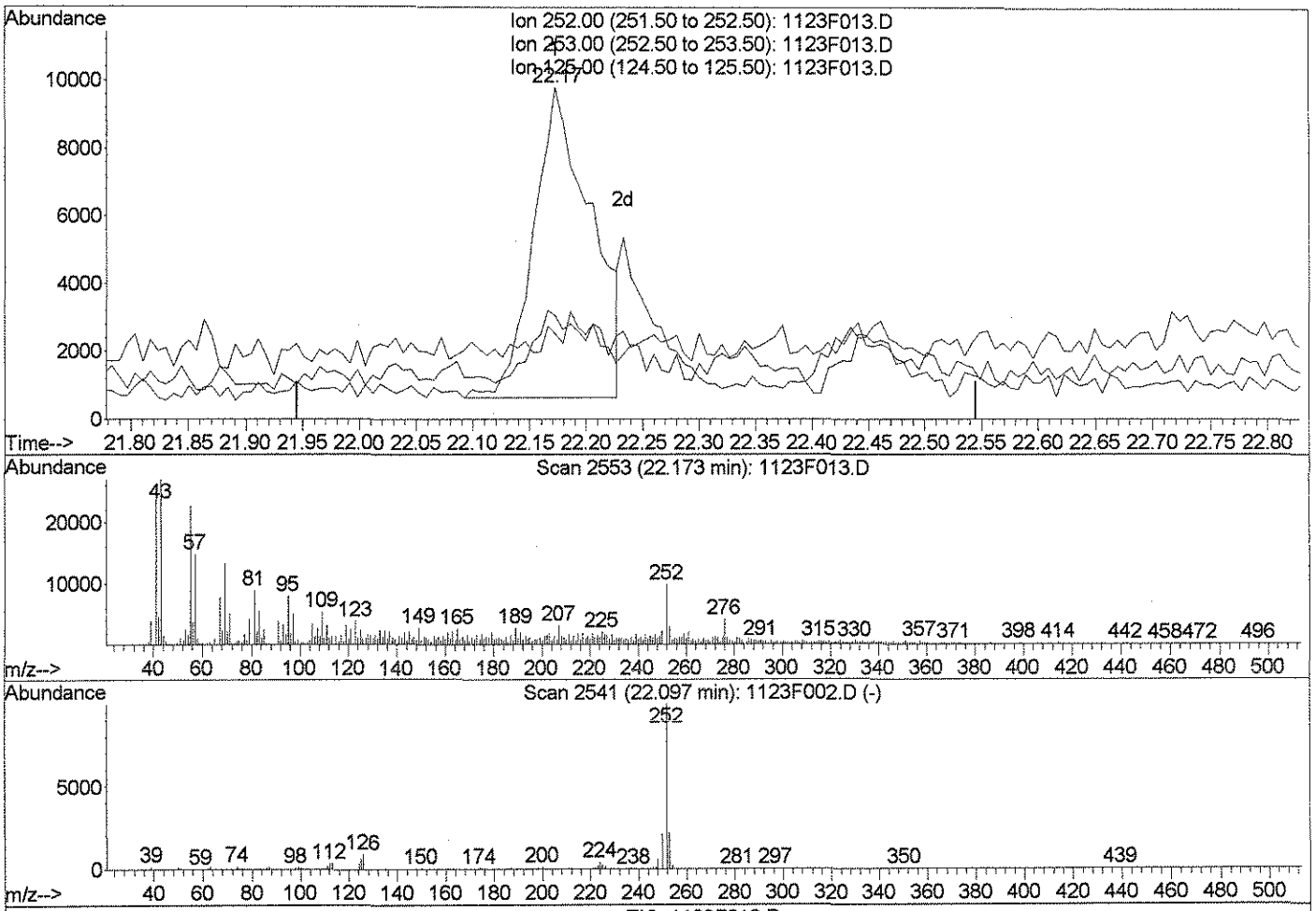
1123F013.D 111510_BNLL.M Wed Nov 24 08:49:16 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:49 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(82) Benzo(k)fluoranthene (T)

22.17min 118.21ng/ml

response 32298

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	19.54
125.00	6.20	5.06
0.00	0.00	0.00

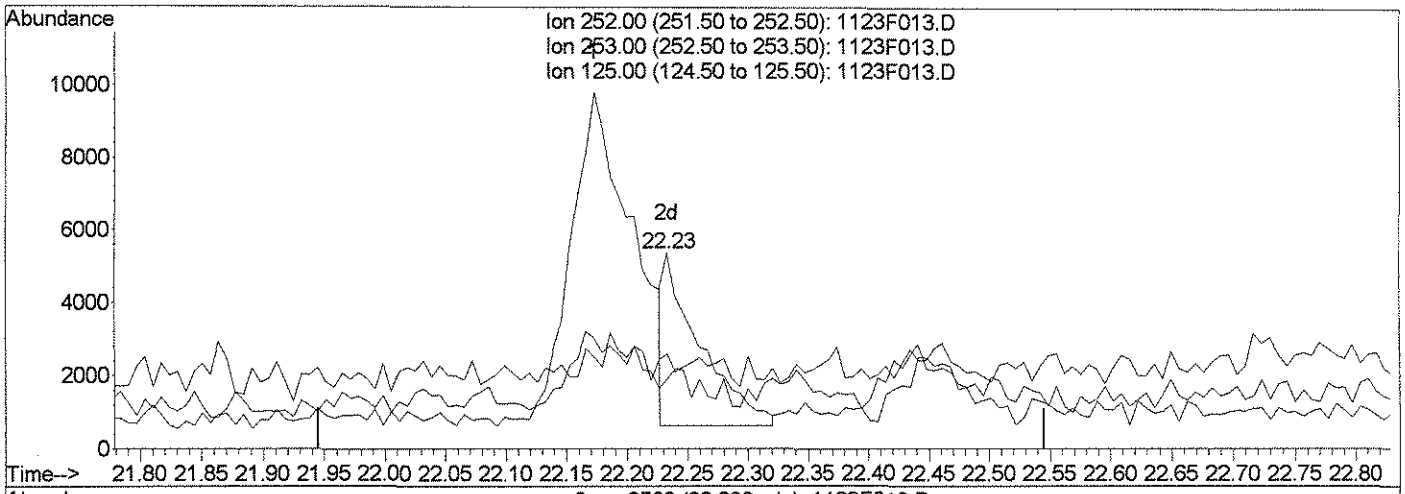
Quantitation Report (Qedit)

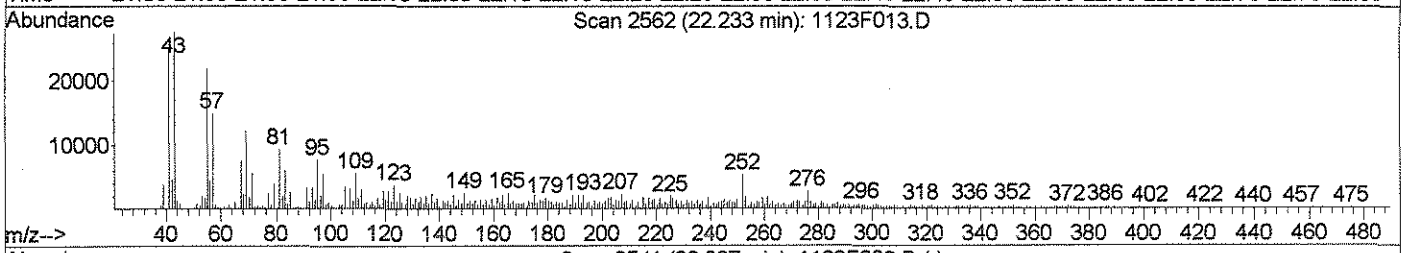
Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:49 2010

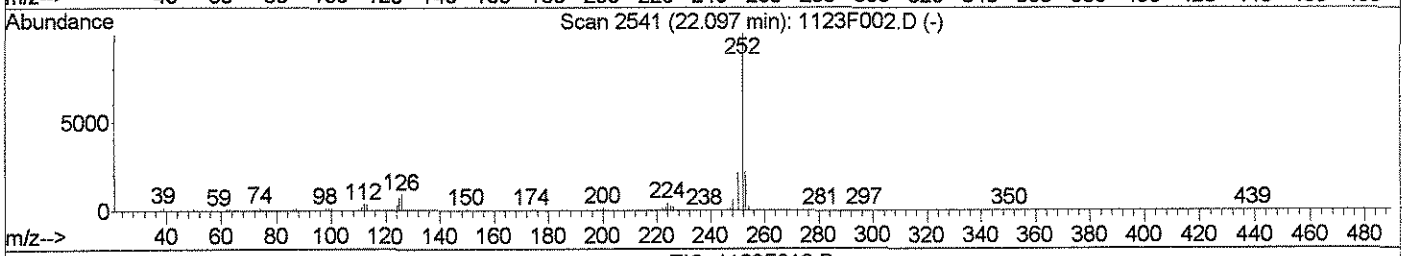
Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F013.D

(82) Benzo(k)fluoranthene (T)

22.23min 36.10ng/ml m

response 9863

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	35.57
125.00	6.20	48.22#
0.00	0.00	0.00

WP
LB 11/24/10

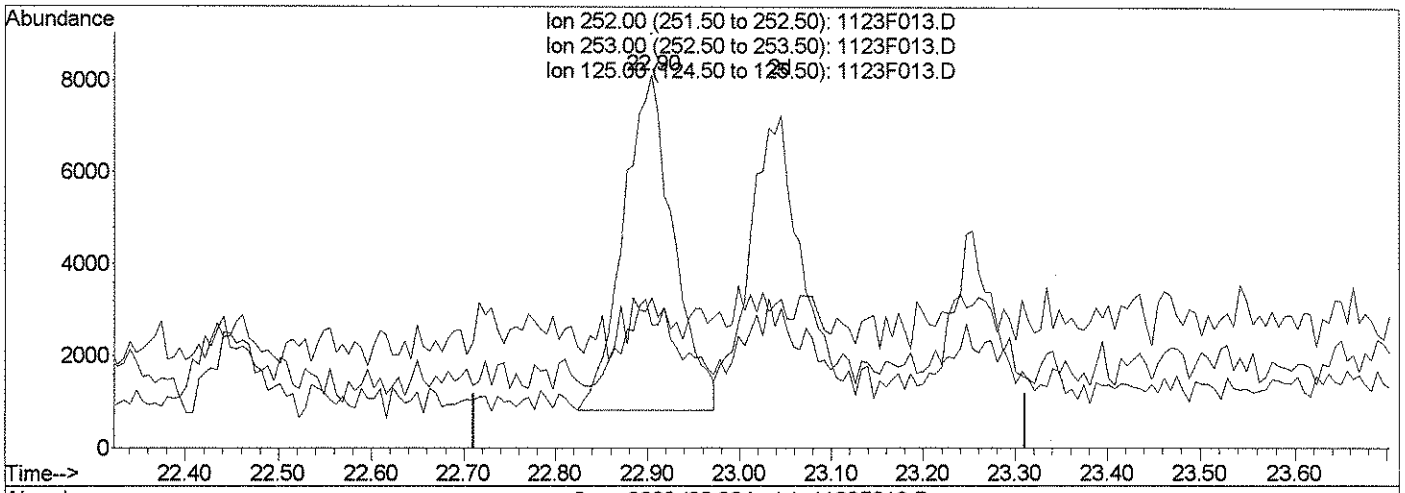
Quantitation Report (Qedit)

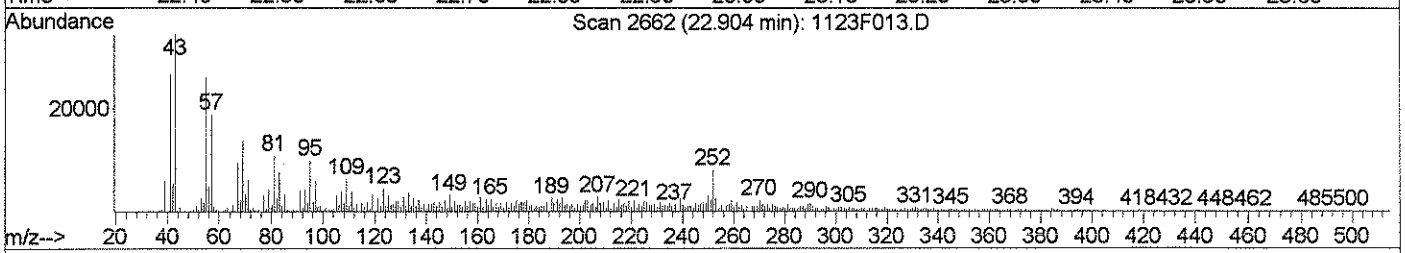
Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:49 2010

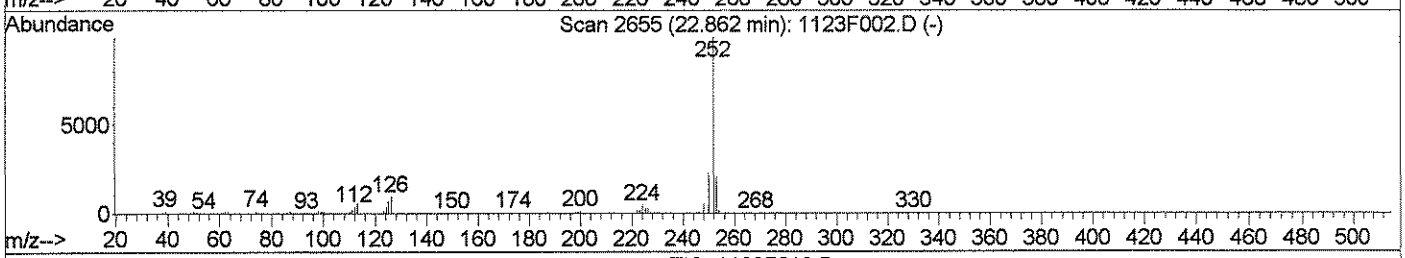
Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F013.D

(83) Benzo(a)pyrene (TC)

22.90min 127.84ng/ml

response 27567

Ion	Exp%	Act%
252.00	100	100
253.00	20.30	16.74
125.00	7.00	14.64
0.00	0.00	0.00

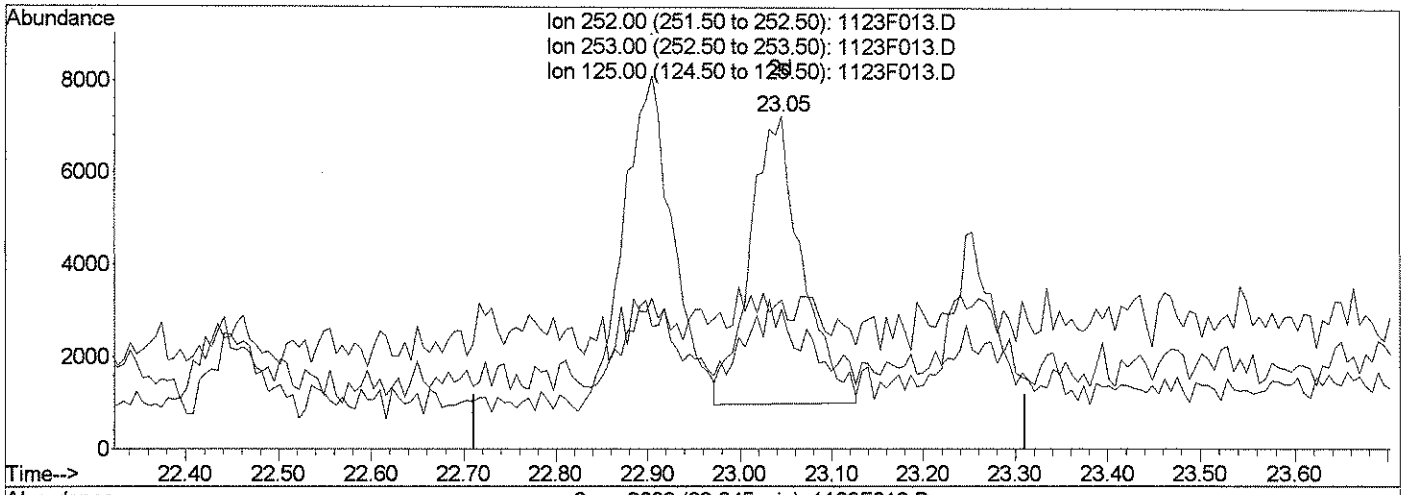
Quantitation Report (Qedit)

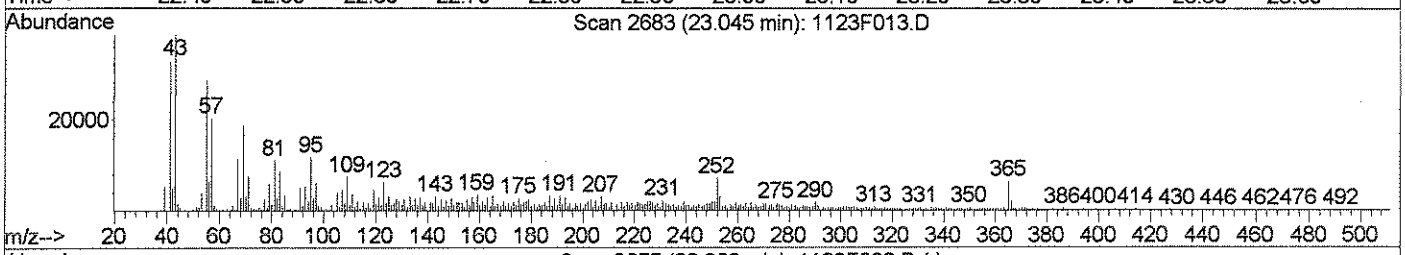
Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:49 2010

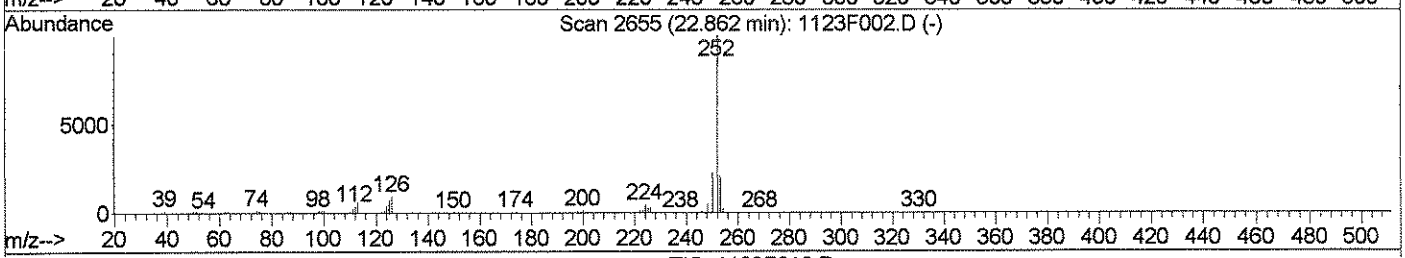
Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F013.D

(83) Benzo(a)pyrene (TC)

23.05min 113.84ng/ml m

response 24548

Ion	Exp%	Act%
252.00	100	100
253.00	20.30	41.95
125.00	7.00	44.64#
0.00	0.00	0.00

WP
LB 11/24/10

1123F013.D 111510_BNLL.M Wed Nov 24 08:49:37 2010

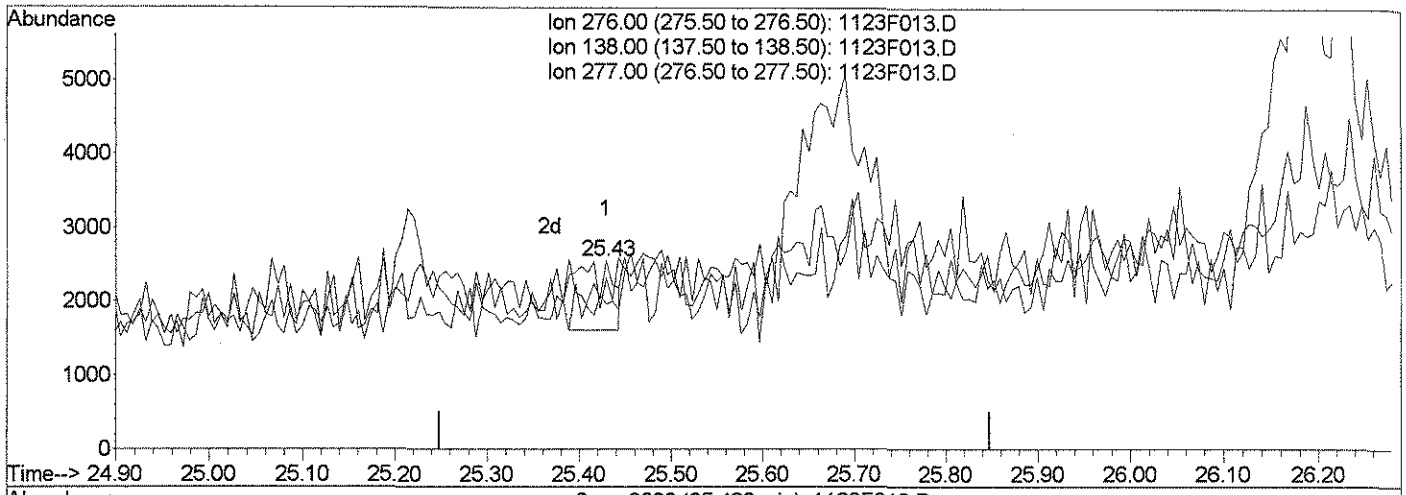
Quantitation Report (Qedit)

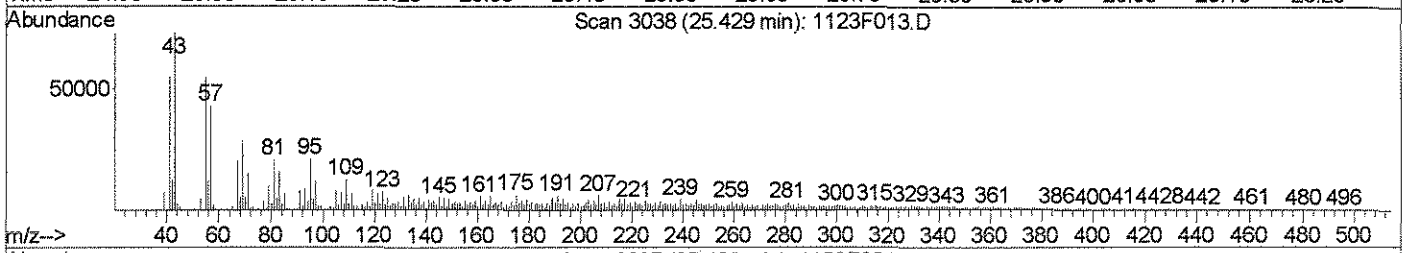
Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:49 2010

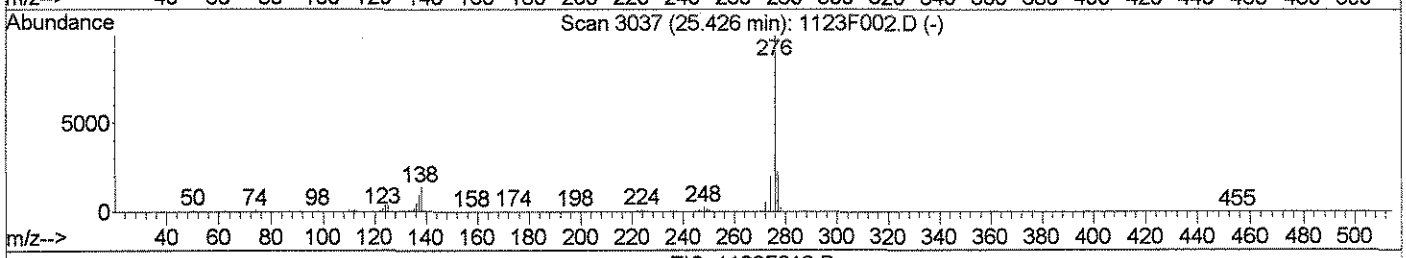
Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F013.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.43min 9.12ng/ml

response 1772

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	7.94
277.00	23.00	0.00
0.00	0.00	0.00

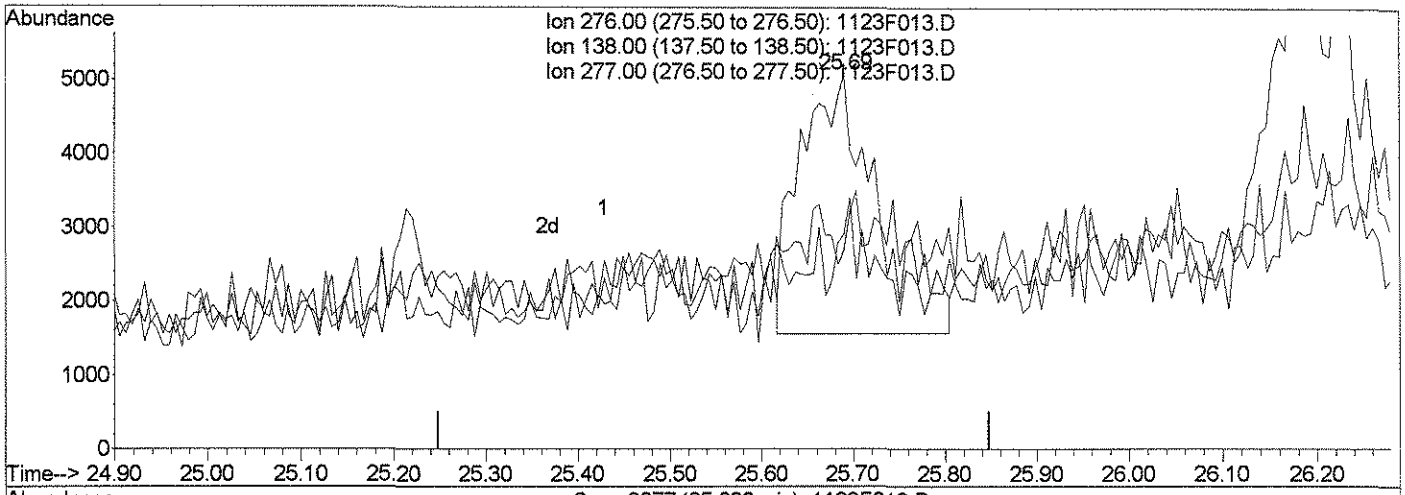
Quantitation Report (Qedit)

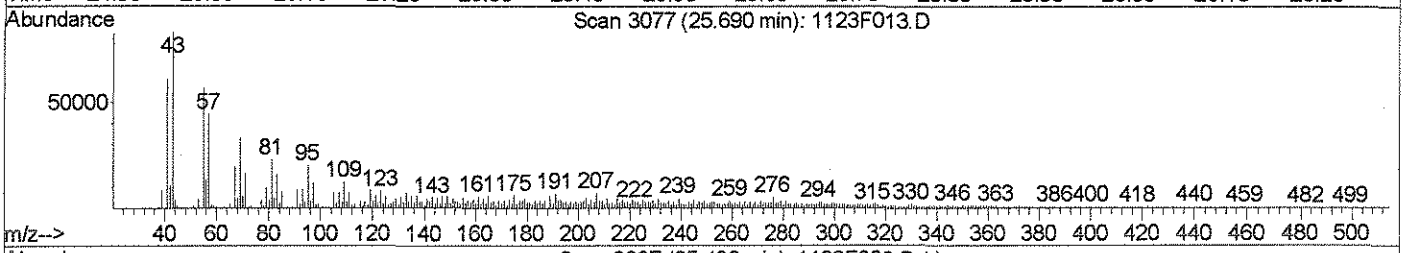
Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:49 2010

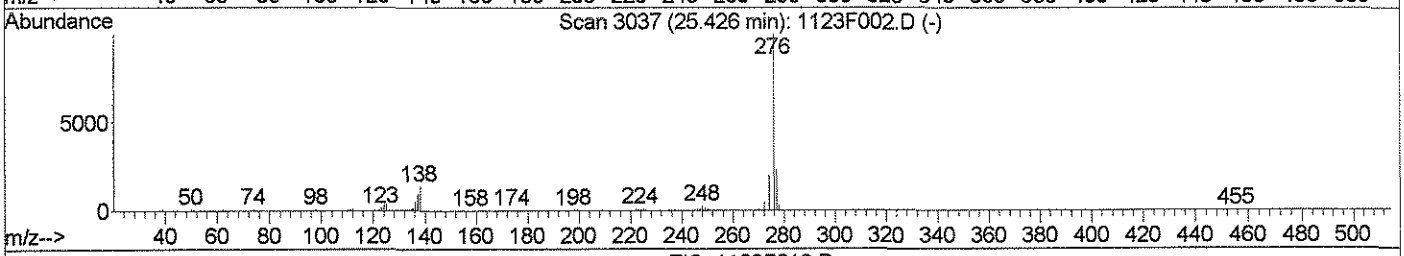
Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F013.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.69min 111.14ng/ml m

response 21597

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	57.22#
277.00	23.00	52.94
0.00	0.00	0.00

WP
LB 11/24/10

1123F013.D 111510_BNLL.M Wed Nov 24 08:49:49 2010

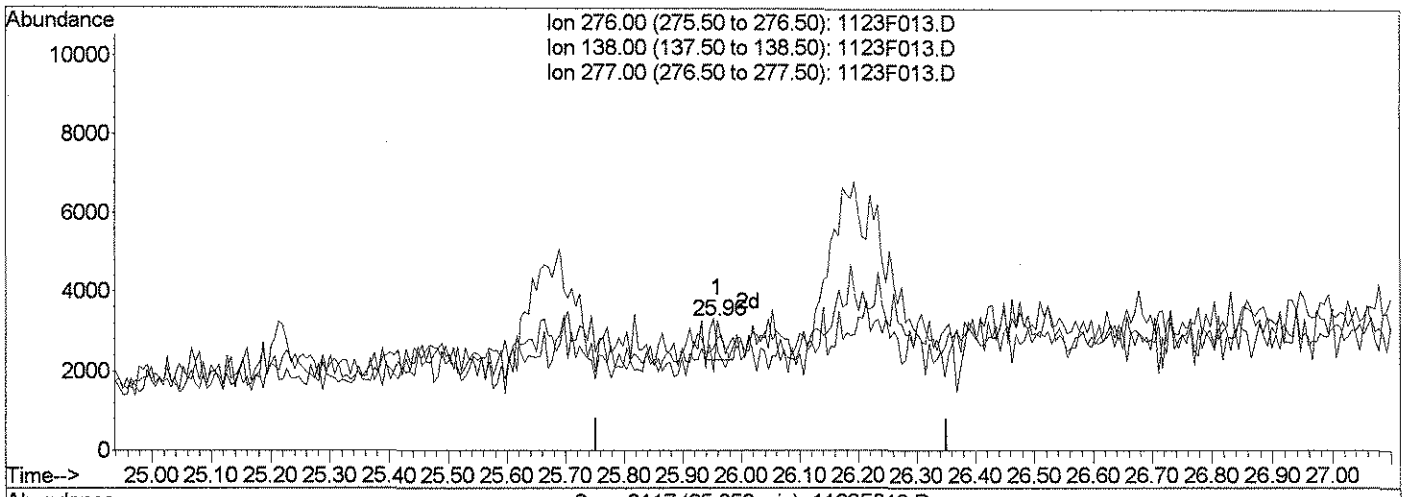
Quantitation Report (Qedit)

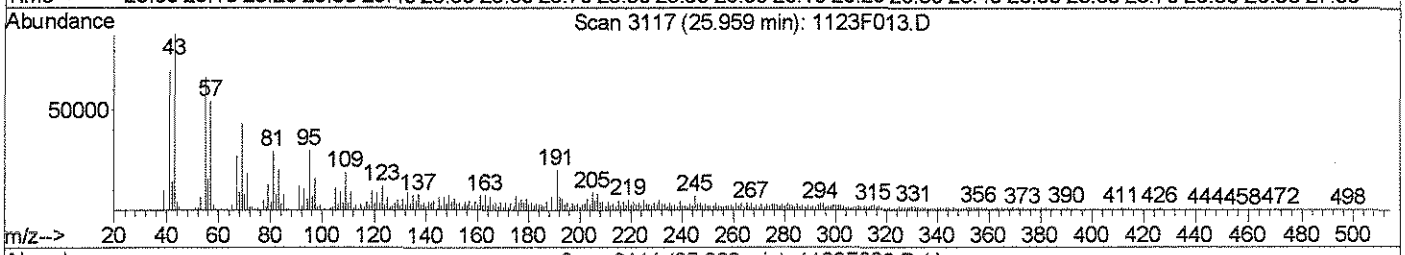
Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:49 2010

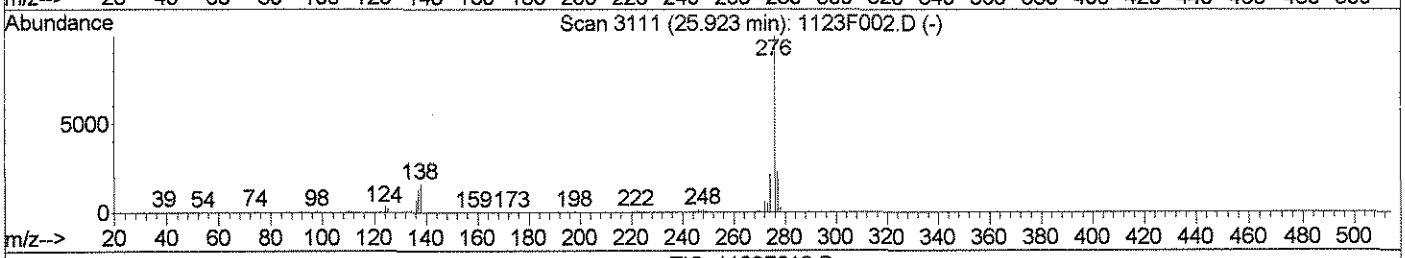
Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F013.D

(86) Benzo(g,h,i)perylene (T)

25.96min 3.64ng/ml

response 778

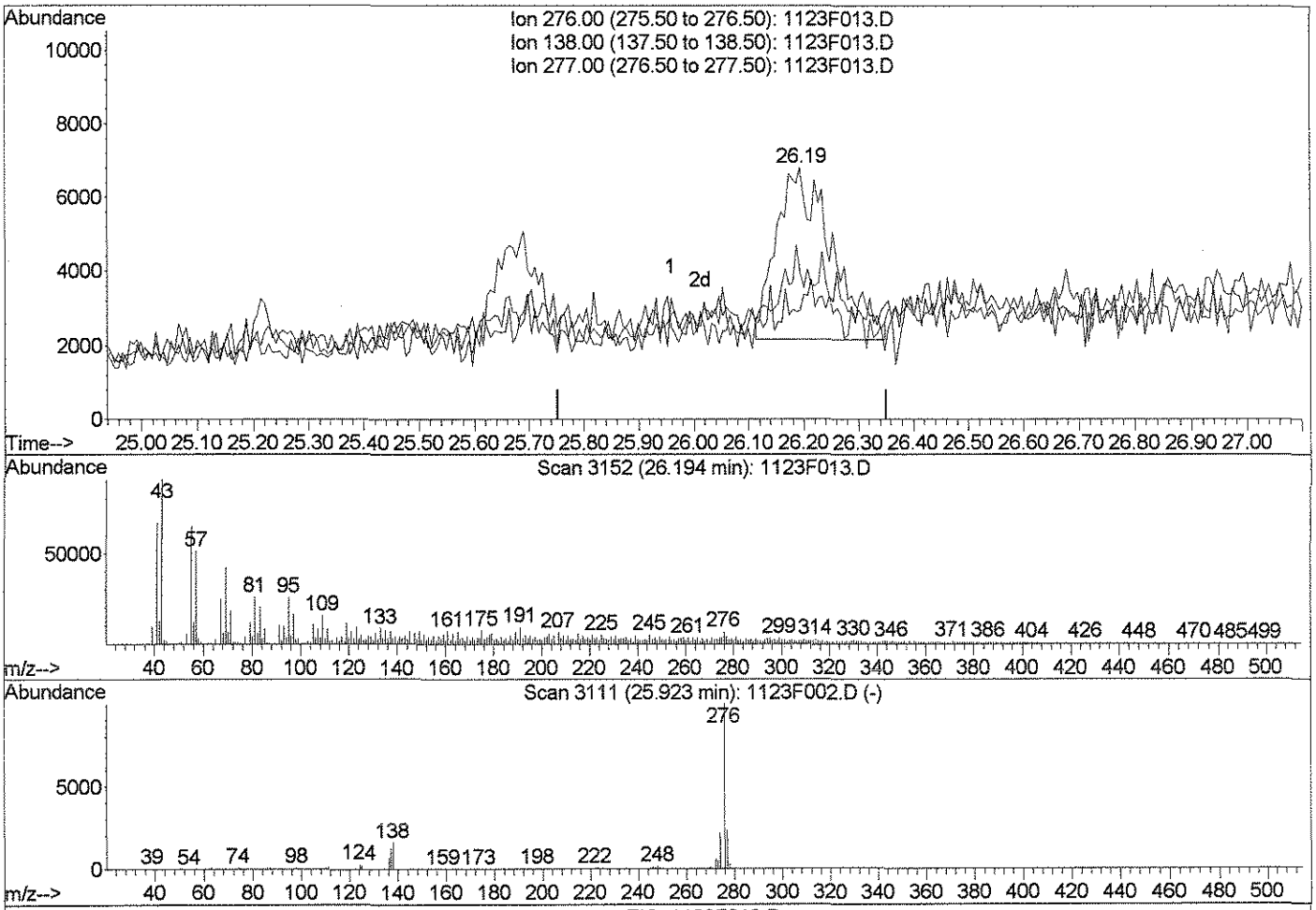
Ion	Exp%	Act%
276.00	100	100
138.00	14.20	43.81
277.00	22.70	40.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F013.D
Acq On : 23 Nov 2010 8:40 pm
Sample : K1012914-017 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:49 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(86) Benzo(g,h,i)perylene (T)

26.19min 148.09ng/ml m

response 31695

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	43.02
277.00	22.70	58.16#
0.00	0.00	0.00

WP
LB 11/24/10

1123F013.D 111510_BNLL.M Wed Nov 24 08:49:59 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0019
Lab Code: K1012914-018

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	300	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	59	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	180	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	59	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	59	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	59	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	59	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	300	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	59	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	59	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	300	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**22**	JD	59	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	590	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	59	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	590	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0019
Lab Code: K1012914-018

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	590	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**56**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**130**	D	59	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**120**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	59	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	590	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**70**	D	59	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**92**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	590	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	59	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**97**	D	59	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**38**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**78**	D	59	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**83**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**88**	D	59	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	40	11-80	11/23/10	Acceptable
Phenol-d6	53	20-86	11/23/10	Acceptable
Nitrobenzene-d5	72	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	73	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	55	10-119	11/23/10	Acceptable
Terphenyl-d14	102	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0019	**Units:**	ug/Kg
Lab Code:	K1012914-018	**Basis:**	Dry

† Analyte Comments

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F014.D
Lab ID: K1012914-018
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/23/2010 21:18
Date Quantitated: 11/24/2010 08:54
Batch ID: KWG1012886
Analysis Method: 8270C
ListJoinID: LJ12105

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x

Base run due to matrix (dark extract)

Primary Review: LB 11/24/10

Secondary Review: 11/24/10

Quantitation Report

Bottle ID:	03	**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979840	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12105
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112310\1123F014.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 21:18	**Quant Date:**	11/24/2010 08:54	**Vial:**	14
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-018			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.23	0.04	152	60174	1,000.00	OK
2	Naphthalene-d8	10.10	0.03	136	180165	1,000.00	OK
3	Acenaphthene-d10	12.90	0.03	164	100032	1,000.00	OK
4	Phenanthrene-d10	15.32	0.04	188	205298	1,000.00	OK
5	Chrysene-d12	19.70	0.08	240	239565	1,000.00	OK
6	Perylene-d12	23.21	0.21	264	228076**m**	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	2-Fluorophenol	6.62	0.06	0.00	112	8940	150.24	40	11-80	OK	
1	Phenol-d6	7.80	0.05	0.00	99	13985	200.25	53	20-86	OK	
1	Nitrobenzene-d5	9.03	0.03	0.00	82	14194	179.09	72	27-91	OK	
3	2-Fluorobiphenyl	11.84	0.01	0.00	172	30017	182.52	73	25-97	OK	
4	2,4,6-Tribromophenol	14.21	0.04	0.00	330	7414	206.79	55	10-119	OK	
5	Terphenyl-d14	17.97	0.04	0.00	244	48010	254.00	102	33-129	OK	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0**d**		61	U	
1	Bis(2-chloroethyl) Ether				93	0**d**		19	U	
1	Phenol				94	0		20	U	
1	2-Chlorophenol				128	0		20	U	
1	Bis(2-chloroisopropyl) Ether				45	0**d**		26	U	
1	Hexachloroethane				117	0		31	U	
1	N-Nitrosodi-n-propylamine				70	0**d**		24	U	
1	Nitrobenzene				77	0**d**		22	U	
2	Isophorone				82	0**d**		10	U	
2	2-Nitrophenol				139	0		15	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F014.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 21:18	**Quant Date:**	11/24/2010 08:54	**Vial:**	14
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-018			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0**d**		55	U	
2	Bis(2-chloroethoxy)methane				93	0		15	U	
2	2,4-Dichlorophenol				162	0		10	U	
2	Naphthalene	10.13	0.02	0.00	128	1515	8.44	23	U	
2	Hexachlorobutadiene				225	0		25	U	
2	4-Chloro-3-methylphenol				107	0		14	U	
3	Hexachlorocyclopentadiene				237	0		290	U	
3	2,4,6-Trichlorophenol				196	0		14	U	
3	2-Chloronaphthalene				127	0		16	U	
3	Acenaphthylene	12.67	0.03	0.00	152	1661	8.58	12	U	
3	Dimethyl Phthalate	12.54	0.01	0.00	163	5723	36.83	22	JD	
3	2,6-Dinitrotoluene				165	0		20	U	
3	Acenaphthene				154	0**d**		14	U	
3	2,4-Dinitrophenol				184	0		170	U	
3	4-Nitrophenol				109	0**d**		180	U	
3	2,4-Dinitrotoluene				165	0		15	U	
3	Fluorene	13.80	0.03	0.00	166	1360	9.59	11	U	
3	4-Chlorophenyl Phenyl Ether				204	0		14	U	
3	Diethyl Phthalate	13.70	0.01	0.00	149	1429**m**	8.67	13	U	
3	2-Methyl-4,6-dinitrophenol				198	0		14	U	
3	N-Nitrosodiphenylamine				169	0**d**		16	U	
3	Azobenzene				77	0**d**		11	U	
4	4-Bromophenyl Phenyl Ether				248	0		16	U	
4	Hexachlorobenzene				284	0		12	U	
4	Pentachlorophenol				266	0		200	U	
4	Phenanthrene	15.35	0.03	0.00	178	19548	94.99	56	JD	
4	Anthracene	15.44	0.04	0.00	178	5674	26.54	16	U	
4	Di-n-butyl Phthalate	16.38	0.02	0.00	149	5260**m**	20.15	79	U	
4	Fluoranthene	17.30	0.05	0.00	202	58939	229.82	130	D	
5	Benzidine				184	0		1200	U	
5	Pyrene	17.66	0.05	0.00	202	54382	210.65	120	D	
5	Butyl Benzyl Phthalate				149	0**d**		32	U	
5	3,3'-Dichlorobenzidine				252	0**d**		37	U	
5	Benz(a)anthracene	19.68	0.07	0.00	228	29675**m**	119.76	70	D	
5	Chrysene	19.74	0.07	0.00	228	38893**m**	157.42	92	D	
5	Bis(2-ethylhexyl) Phthalate	19.87	0.04	0.00	149	6667**m**	44.58	70	U	
6	Di-n-octyl Phthalate				149	0**d**		17	U	
6	Benzo(b)fluoranthene	22.20	0.19	0.00	252	40698**m**	166.23	97	D	
6	Benzo(k)fluoranthene	22.24	0.14	0.00	252	16967**m**	65.33	38	JD	
6	Benzo(a)pyrene	23.05	0.19	0.00	252	27410**m**	133.71	78	D	
6	Indeno(1,2,3-cd)pyrene	25.69	0.26	0.00	276	26133**m**	141.47	83	D	
6	Dibenz(a,h)anthracene				278	0**d**		15	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F014.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 21:18	**Quant Date:**	11/24/2010 08:54	**Vial:**	14
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-018			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene	26.20	0.28	0.00	276	30592**m**	150.36	88	D	

Prep Amount:	40.447 g	**Dilution:**	10.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	84.5 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F014.D Vial: 14
Acq On : 23 Nov 2010 9:18 pm Operator: KBailey
Sample : K1012914-018 10X Inst : MS06
Misc : Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:22 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	60174	1000.00	ng/ml	-0.05
22) Naphthalene-d8	10.10	136	180165	1000.00	ng/ml	-0.05
36) Acenaphthene-d10	12.90	164	100032	1000.00	ng/ml	-0.04
60) Phenanthrene-d10	15.32	188	205298	1000.00	ng/ml	-0.04
70) Chrysene-d12	19.70	240	239565	1000.00	ng/ml	-0.02
79) Perylene-d12	23.21	264	228076m	1000.00	ng/ml	0.06
System Monitoring Compounds						
4) 2-Fluorophenol	6.62	112	8940	150.24	ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 110		Recovery = 4.01%#			
6) Phenol-d6	7.80	99	13985	200.25	ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 5.34%#			
20) Nitrobenzene-d5	9.03	82	14194	179.09	ng/ml	-0.04
Spiked Amount 2500.000	Range 30 - 139		Recovery = 7.16%#			
40) 2-Fluorobiphenyl	11.84	172	30017	182.52	ng/ml	-0.06
Spiked Amount 2500.000	Range 37 - 126		Recovery = 7.30%#			
61) 2,4,6-Tribromophenol	14.21	330	7414	206.79	ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 157		Recovery = 5.51%#			
73) Terphenyl-d14	17.97	244	48010	254.00	ng/ml	-0.04
Spiked Amount 2500.000	Range 54 - 158		Recovery = 10.16%#			

Target Compounds						Qvalue
30) Naphthalene	10.13	128	1515	8.44	ng/ml	89
43) Acenaphthylene	12.67	152	1661	8.58	ng/ml	84
44) Dimethyl Phthalate	12.54	163	5723	36.83	ng/ml	93
53) Fluorene	13.80	166	1360	9.59	ng/ml#	56
55) Diethyl Phthalate	13.70	149	1429m	8.67	ng/ml	
65) Phenanthrene	15.35	178	19548	94.99	ng/ml	91
66) Anthracene	15.44	178	5674	26.54	ng/ml	97
67) Carbazole	15.74	167	3494	18.69	ng/ml	93
68) Di-n-butyl Phthalate	16.38	149	5260m	20.15	ng/ml	
69) Fluoranthene	17.30	202	58939	229.82	ng/ml	99
72) Pyrene	17.66	202	54382	210.65	ng/ml	97
76) Benz(a)anthracene	19.68	228	29675m	119.76	ng/ml	
77) Chrysene	19.74	228	38893m	157.42	ng/ml	
78) Bis(2-ethylhexyl) Phthalat	19.87	149	6667m	44.58	ng/ml	
81) Benzo(b)fluoranthene	22.20	252	40698m	166.23	ng/ml	
82) Benzo(k)fluoranthene	22.24	252	16967m	65.33	ng/ml	
83) Benzo(a)pyrene	23.05	252	27410m	133.71	ng/ml	
84) Indeno(1,2,3-cd)pyrene	25.69	276	26133m	141.47	ng/ml	
86) Benzo(g,h,i)perylene	26.20	276	30592m	150.36	ng/ml	

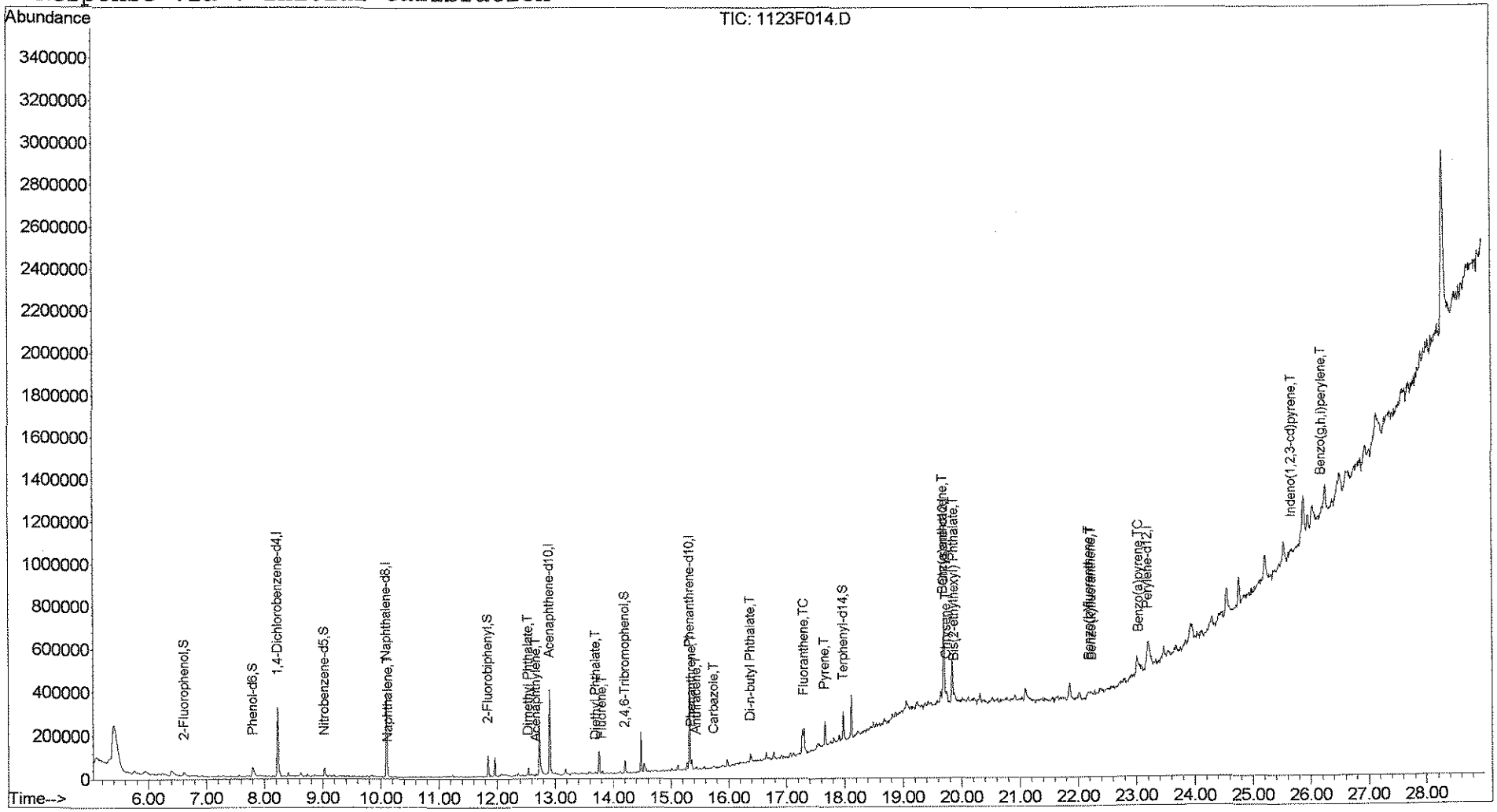
(#) = qualifier out of range (m) = manual integration

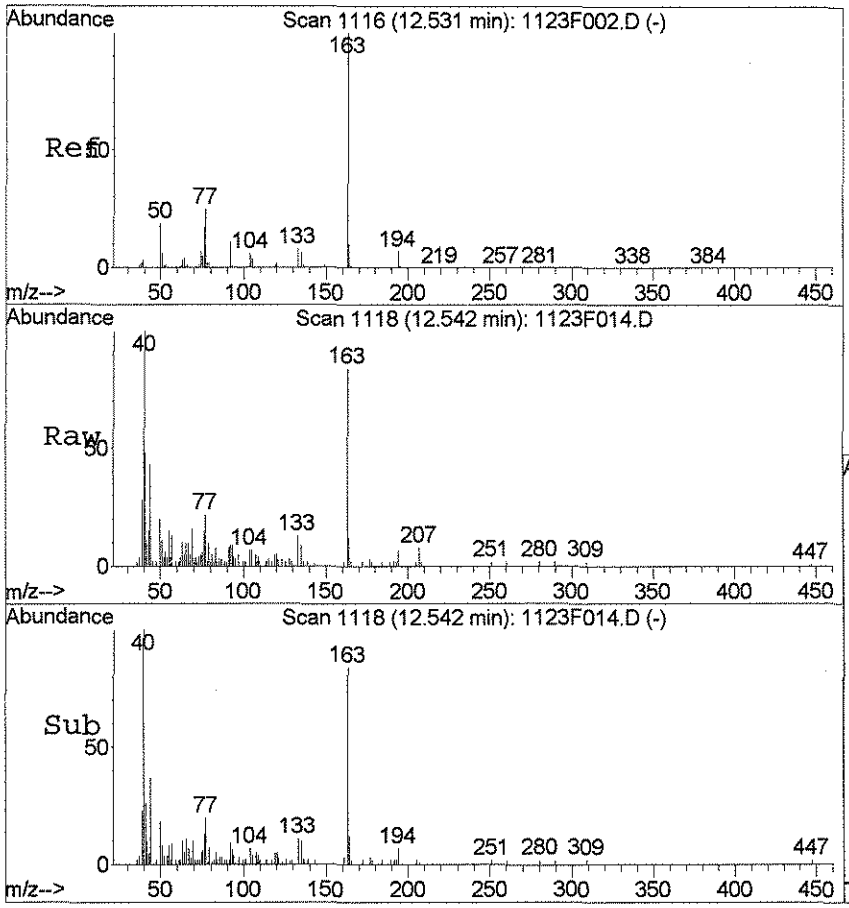
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:54 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration

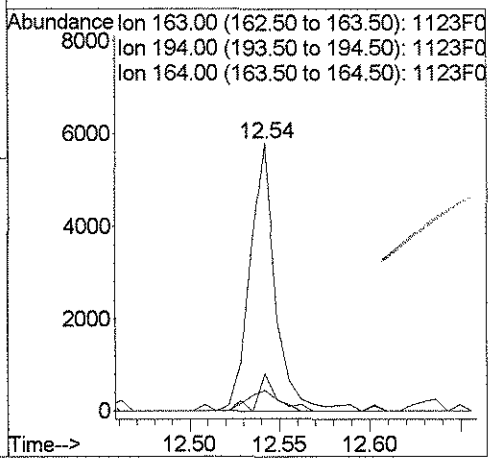


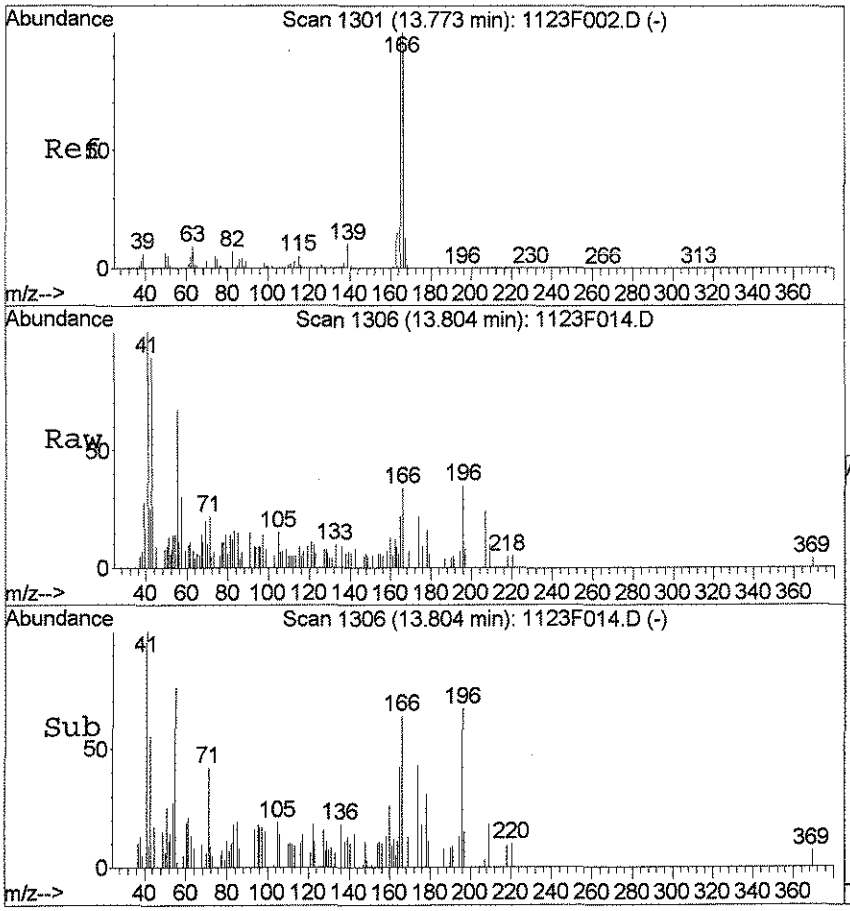


#44
Dimethyl Phthalate
Concen: 36.83 ng/ml
RT: 12.54 min Scan# 1118
Delta R.T. -0.06 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:163 Resp: 5723

Ion	Ratio	Lower	Upper
163	100		
194	7.8	0.0	37.0
164	14.0	0.0	40.1

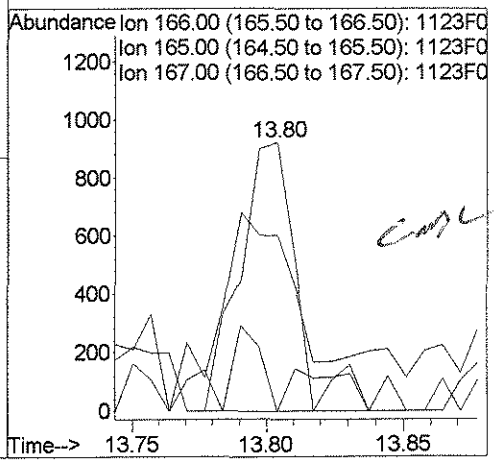


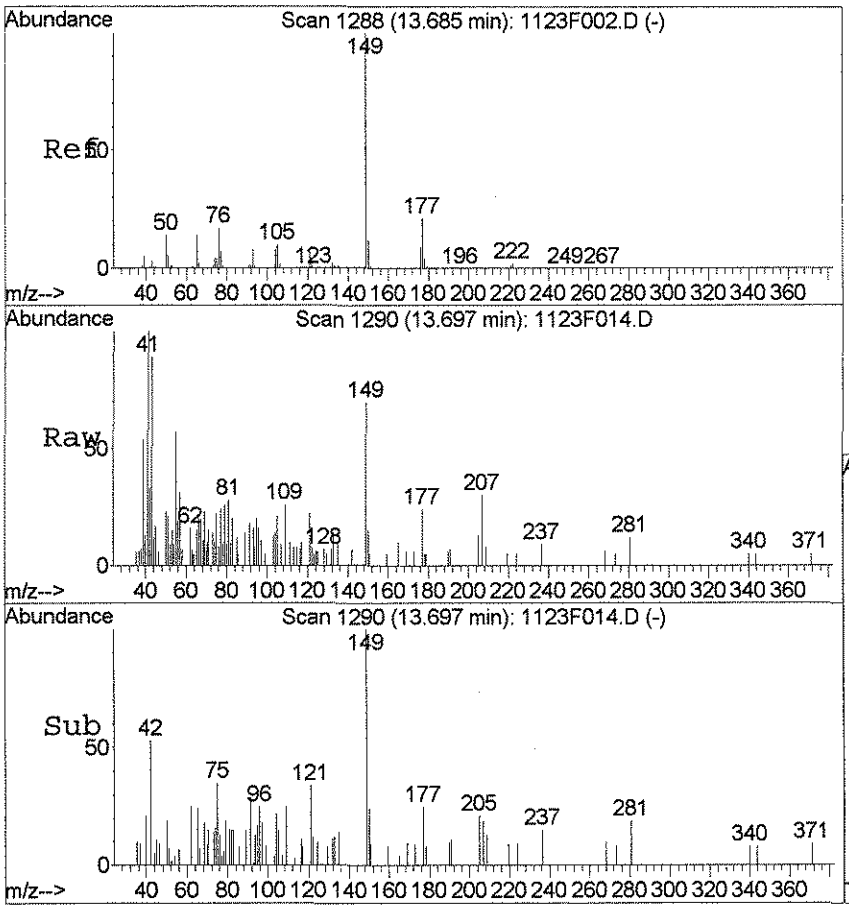


#53
Fluorene
Concen: 9.59 ng/ml
RT: 13.80 min Scan# 1306
Delta R.T. -0.04 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:166 Resp: 1360

Ion	Ratio	Lower	Upper
166	100		
165	52.4	66.5	126.5#
167	0.0	0.0	43.3

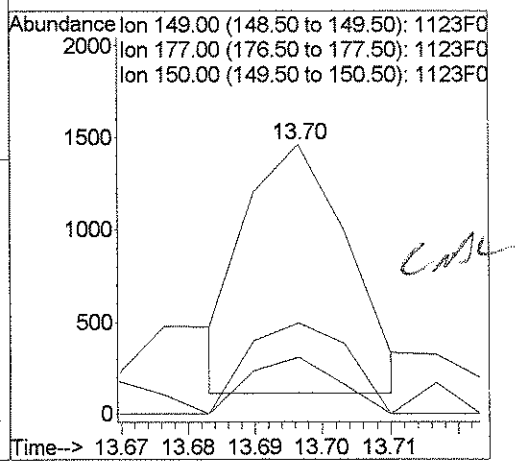


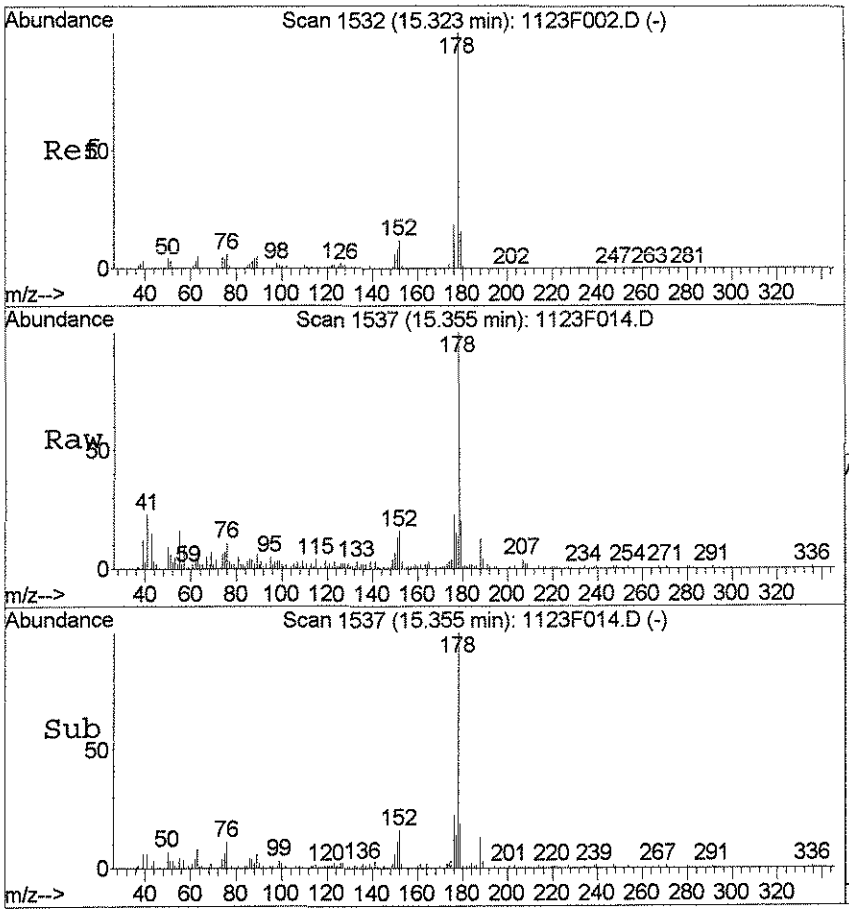


#55
Diethyl Phthalate
Concen: 8.67 ng/ml m
RT: 13.70 min Scan# 1290
Delta R.T. -0.06 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:149 Resp: 1429

Ion	Ratio	Lower	Upper
149	100		
177	33.9	0.0	51.7
150	21.1	0.0	41.7

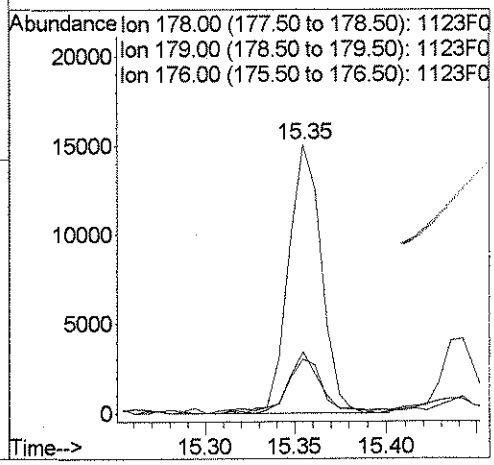


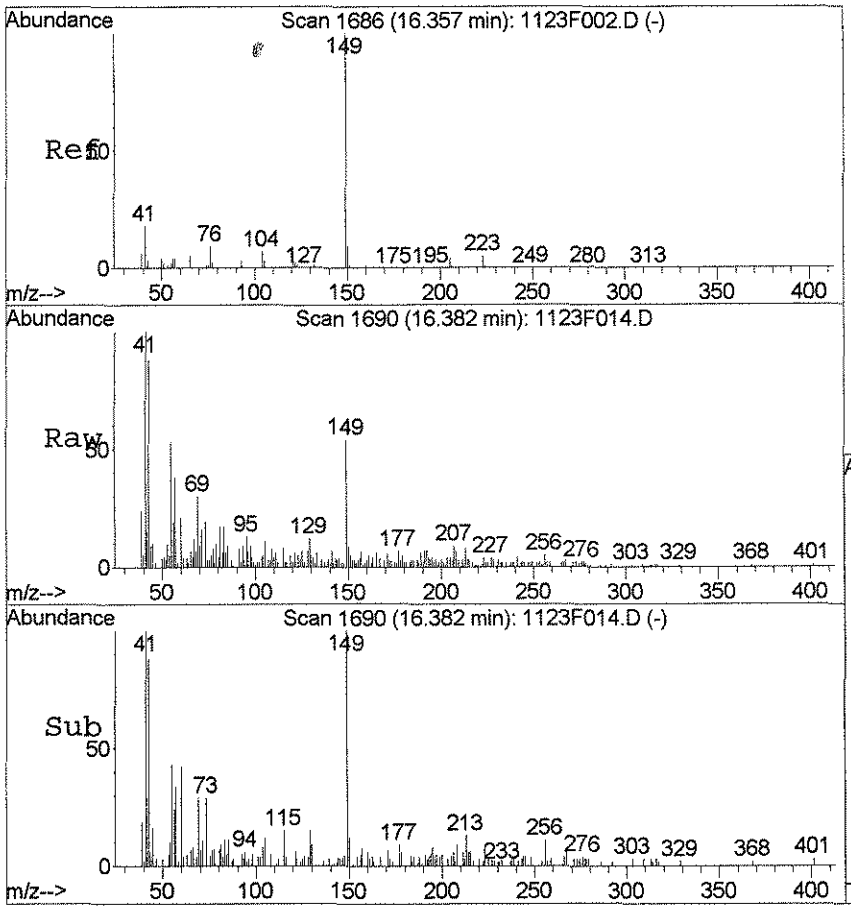


#65
Phenanthrene
Concen: 94.99 ng/ml
RT: 15.35 min Scan# 1537
Delta R.T. -0.04 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:178 Resp: 19548

Ion	Ratio	Lower	Upper
178	100		
179	19.9	0.0	45.6
176	22.6	0.0	49.0

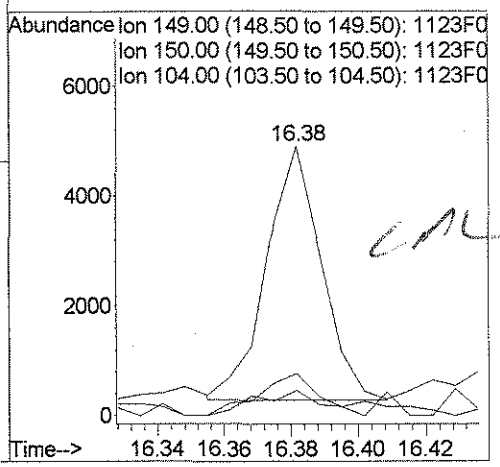


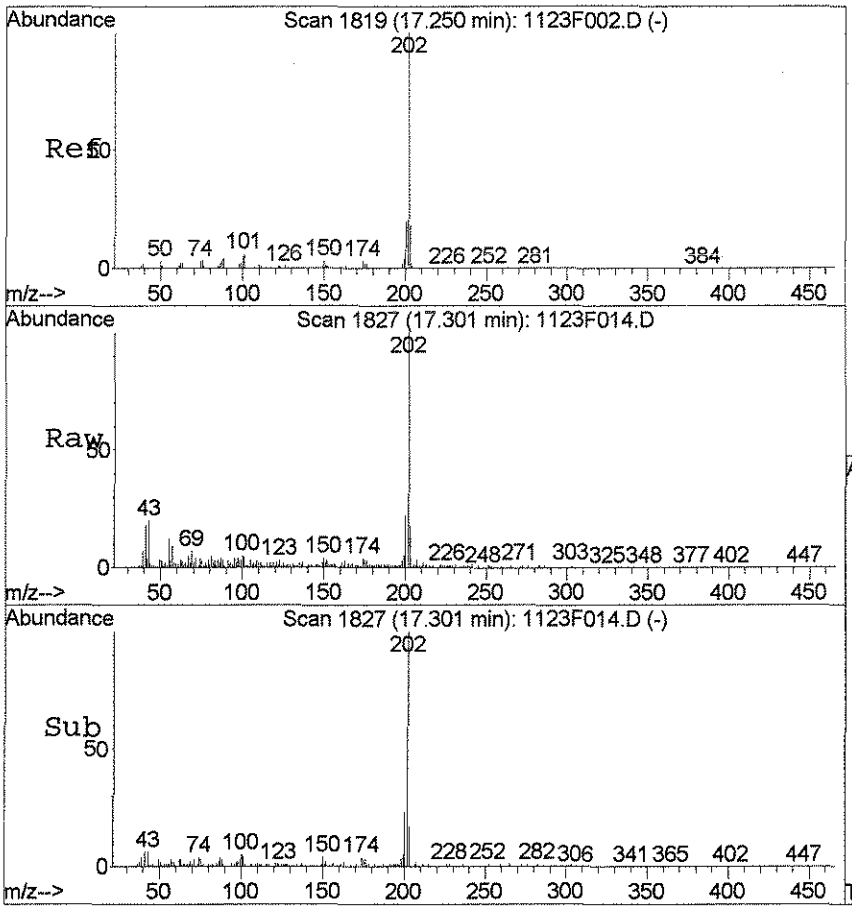


#68
Di-n-butyl Phthalate
Concen: 20.15 ng/ml m
RT: 16.38 min Scan# 1690
Delta R.T. -0.06 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:149 Resp: 5260

Ion	Ratio	Lower	Upper
149	100		
150	15.7	0.0	38.8
104	9.4	0.0	36.3

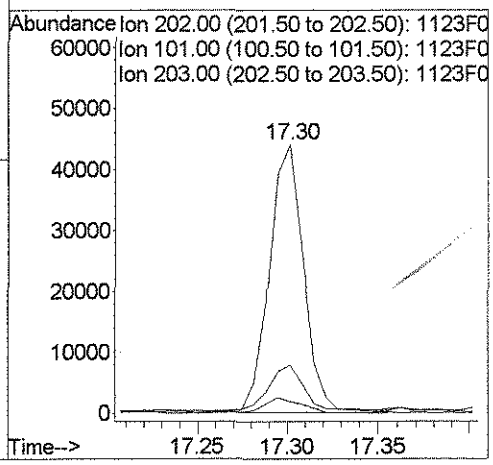


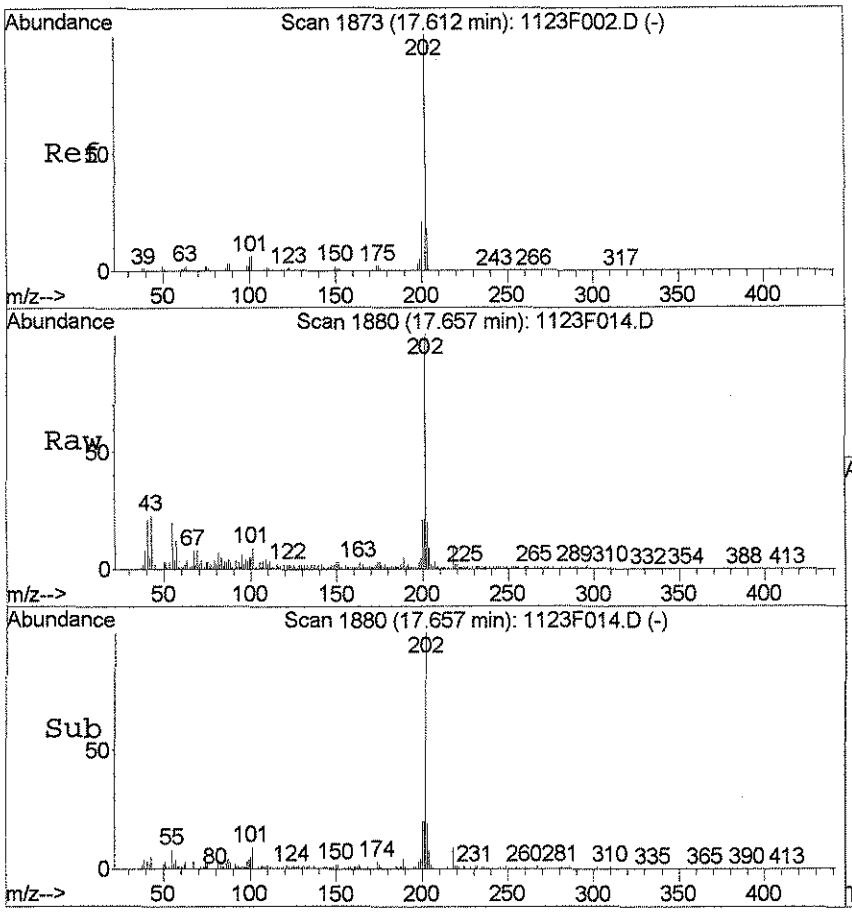


#69
Fluoranthene
Concen: 229.82 ng/ml
RT: 17.30 min Scan# 1827
Delta R.T. -0.03 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:202 Resp: 58939

Ion	Ratio	Lower	Upper
202	100		
101	4.4	0.0	36.1
203	17.2	0.0	47.2

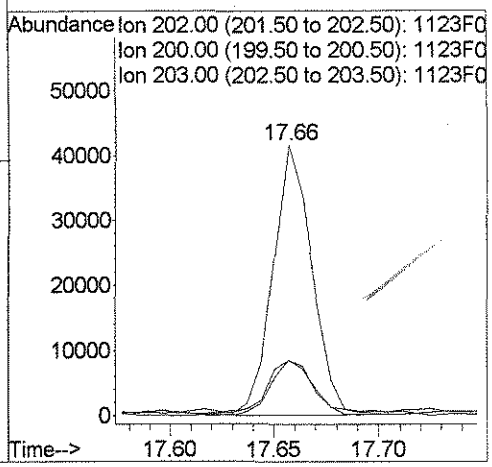


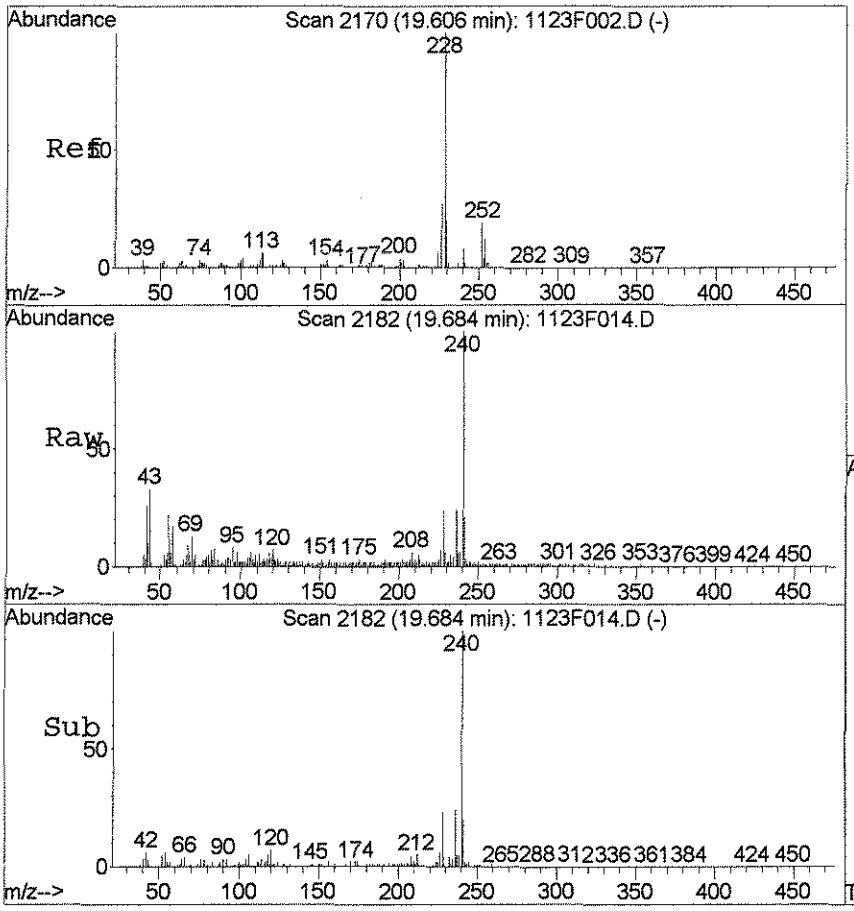


#72
Pyrene
Concen: 210.65 ng/ml
RT: 17.66 min Scan# 1880
Delta R.T. -0.04 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:202 Resp: 54382

Ion	Ratio	Lower	Upper
202	100		
200	20.1	0.0	51.0
203	19.0	0.0	47.0

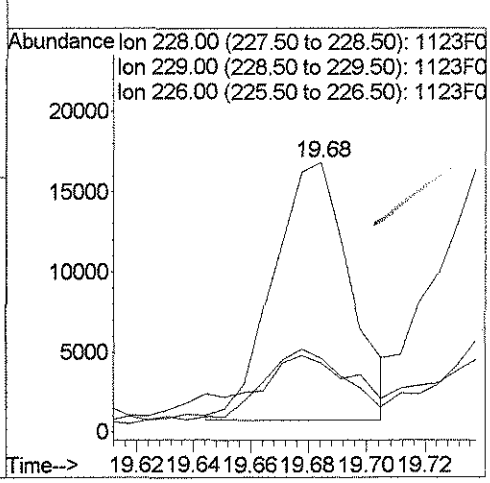


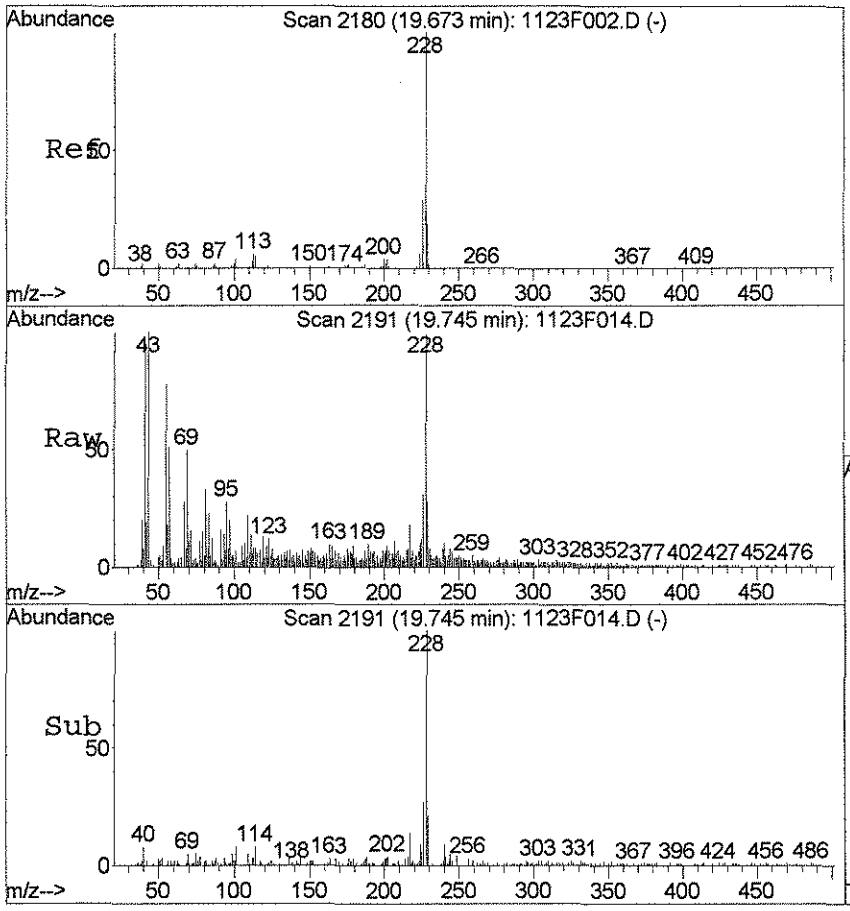


#76
Benz(a)anthracene
Concen: 119.76 ng/ml m
RT: 19.68 min Scan# 2182
Delta R.T. -0.02 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:228 Resp: 29675

Ion	Ratio	Lower	Upper
228	100		
229	25.7	0.0	49.4
226	27.4	0.0	57.7

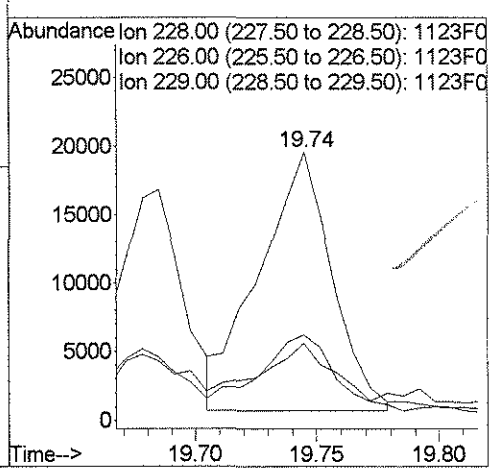


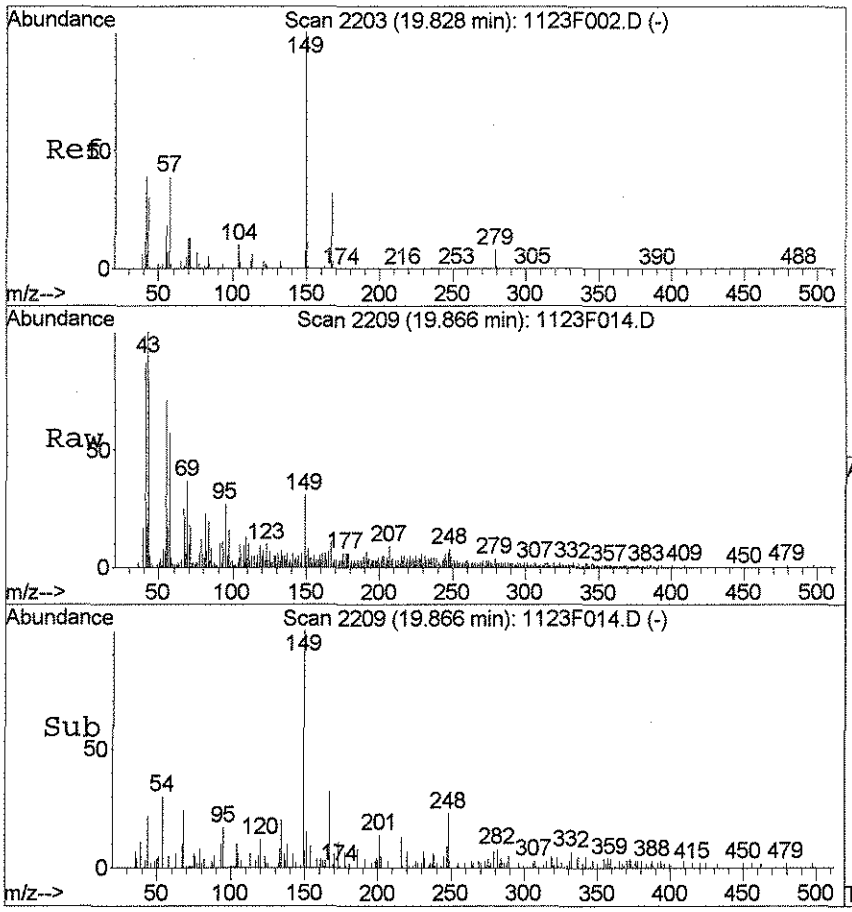


#77
Chrysene
Concen: 157.42 ng/ml m
RT: 19.74 min Scan# 2191
Delta R.T. -0.03 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:228 Resp: 38893

Ion	Ratio	Lower	Upper
228	100		
226	31.7	0.0	58.9
229	28.6	0.0	49.4

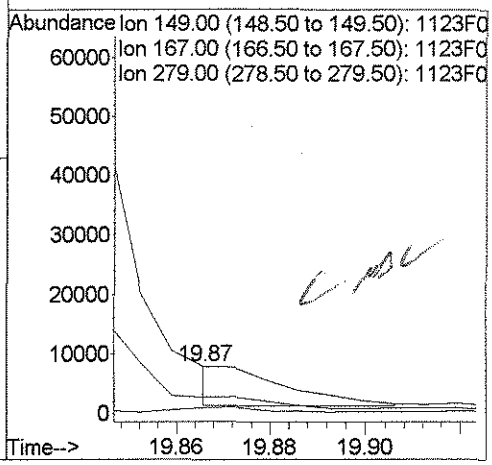


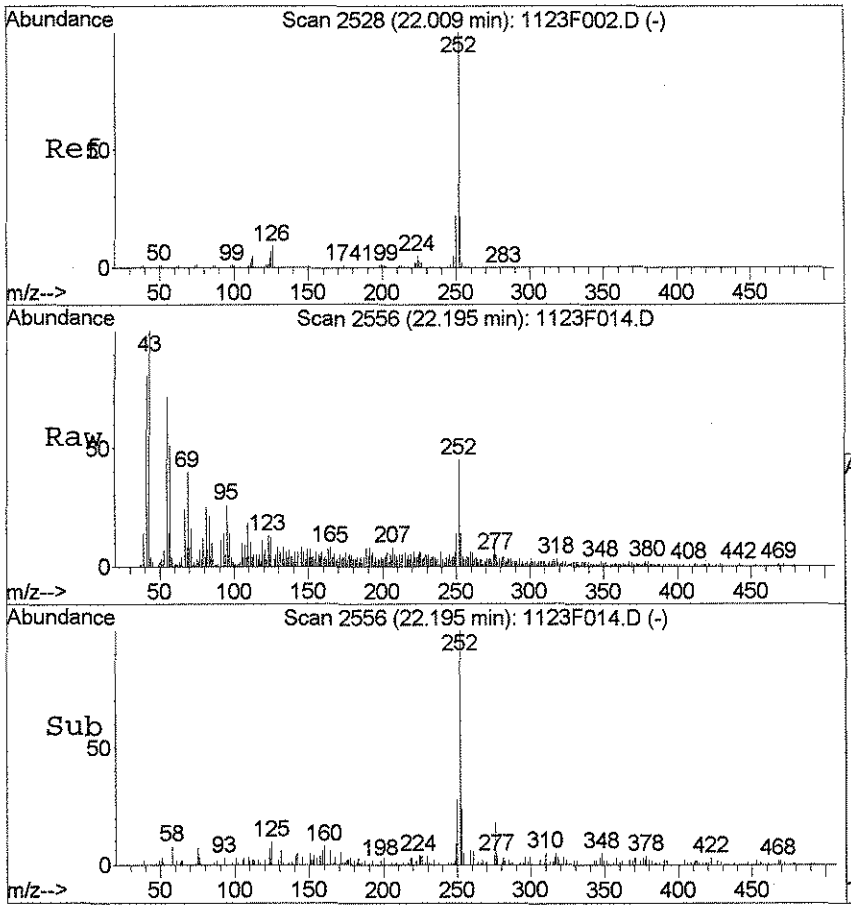


#78
Bis(2-ethylhexyl) Phthalate
Concen: 44.58 ng/ml m
RT: 19.87 min Scan# 2209
Delta R.T. -0.07 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:149 Resp: 6667

Ion	Ratio	Lower	Upper
149	100		
167	34.2	2.1	62.1
279	12.0	0.0	39.6

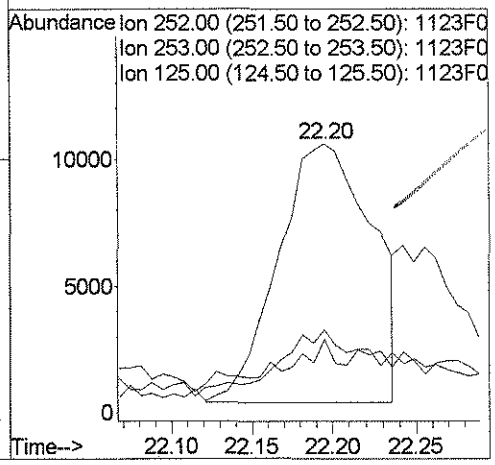


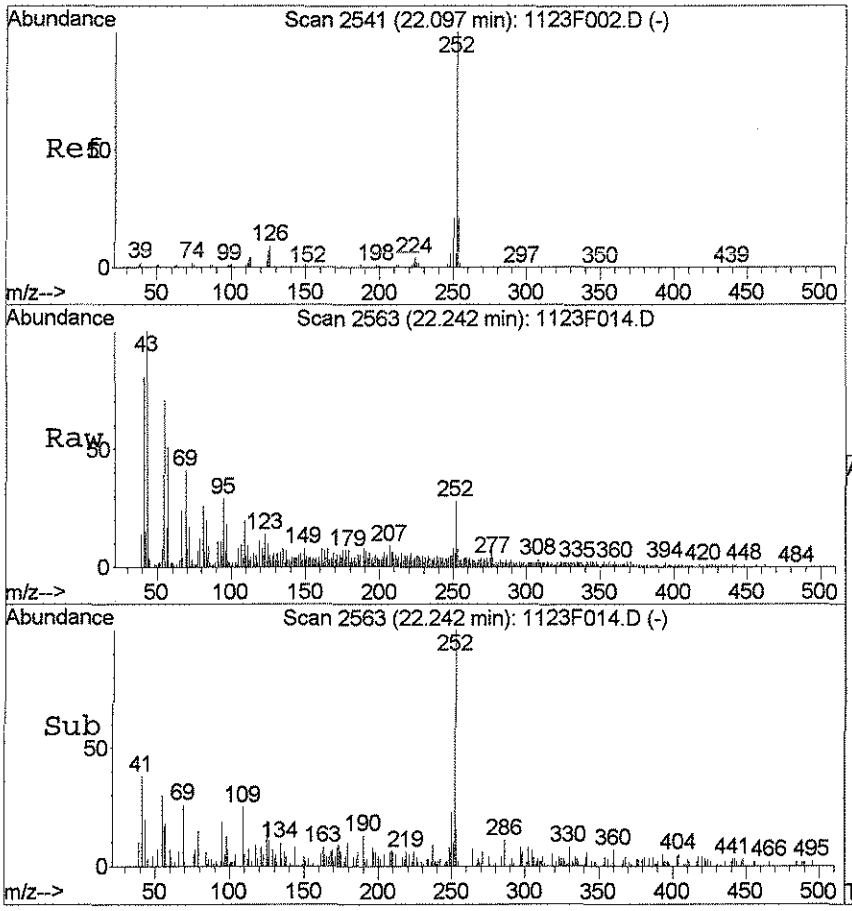


#81
Benzo(b)fluoranthene
Concen: 166.23 ng/ml m
RT: 22.20 min Scan# 2556
Delta R.T. 0.03 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:252 Resp: 40698

Ion	Ratio	Lower	Upper
252	100		
253	30.9	0.0	51.0
125	27.4	0.0	36.4

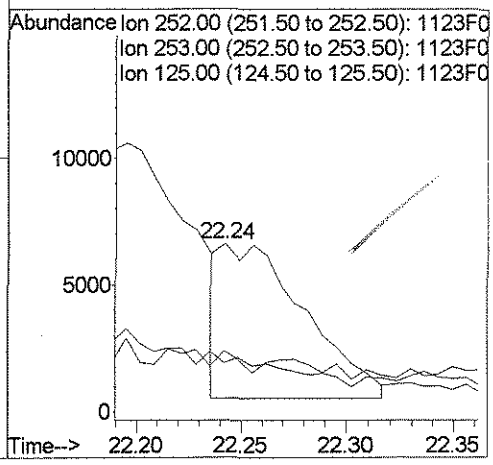


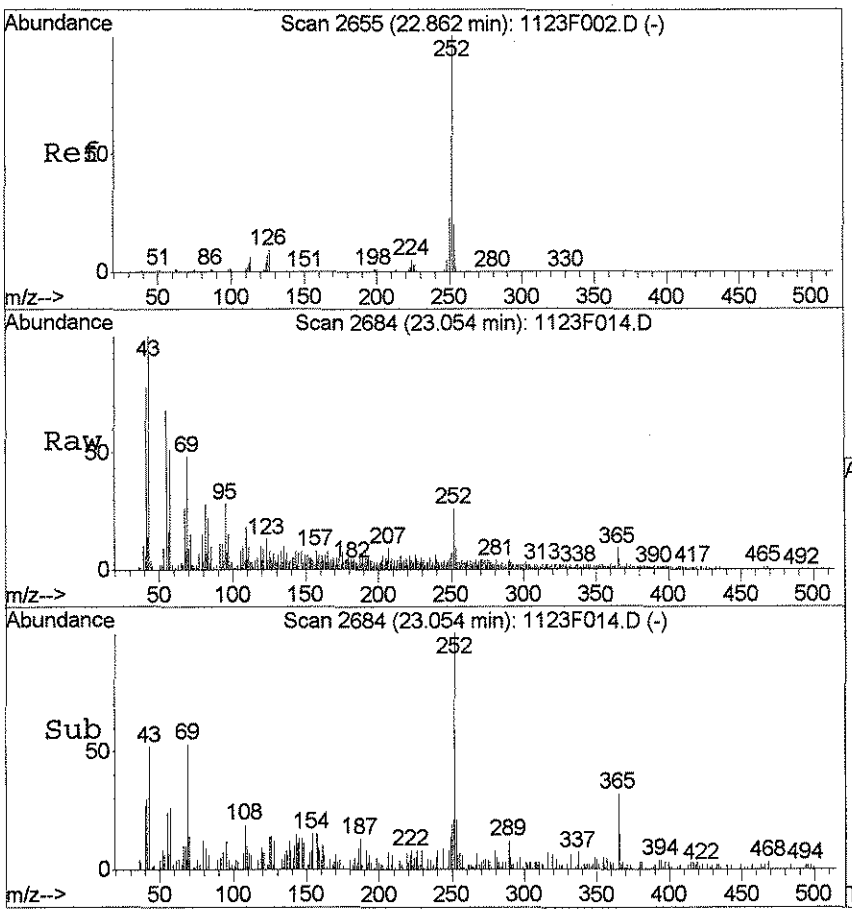


#82
Benzo(k)fluoranthene
Concen: 65.33 ng/ml m
RT: 22.24 min Scan# 2563
Delta R.T. -0.00 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:252 Resp: 16967

Ion	Ratio	Lower	Upper
252	100		
253	29.3	0.0	51.3
125	36.3	0.0	36.2#

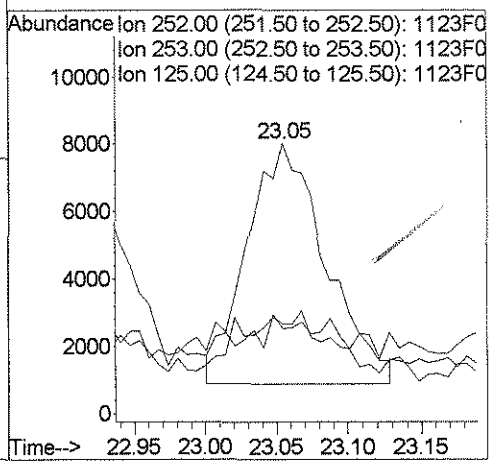


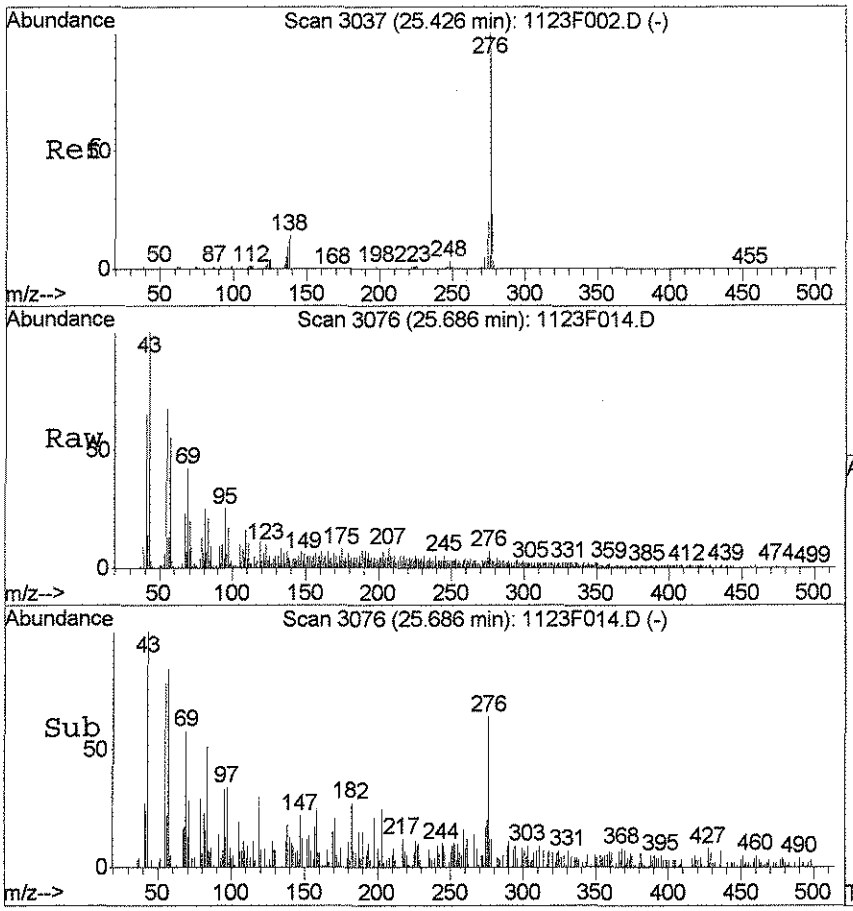


#83
Benzo(a)pyrene
Concen: 133.71 ng/ml m
RT: 23.05 min Scan# 2684
Delta R.T. 0.04 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:252 Resp: 27410

Ion	Ratio	Lower	Upper
252	100		
253	33.2	0.0	50.3
125	31.6	0.0	37.0

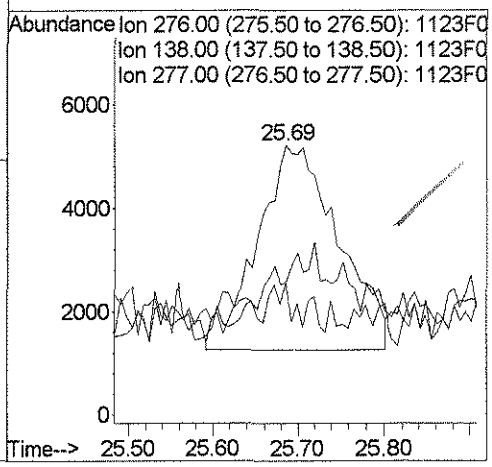


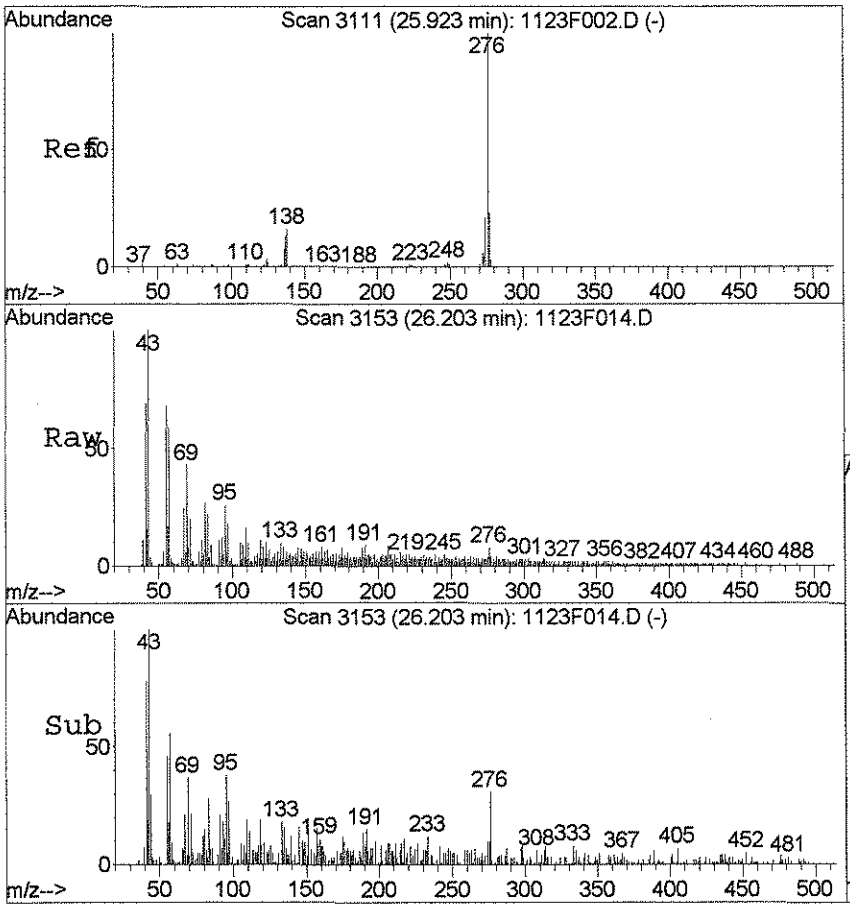


#84
Indeno(1,2,3-cd)pyrene
Concen: 141.47 ng/ml m
RT: 25.69 min Scan# 3076
Delta R.T. 0.14 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:276 Resp: 26133

Ion	Ratio	Lower	Upper
276	100		
138	48.9	0.0	44.3#
277	49.7	0.0	53.0

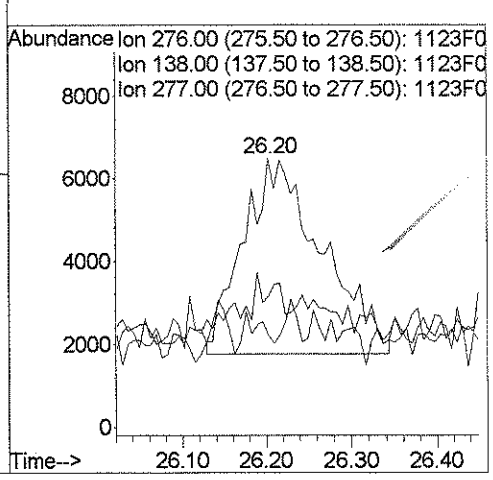




#86
Benzo(g,h,i)perylene
Concen: 150.36 ng/ml m
RT: 26.20 min Scan# 3153
Delta R.T. 0.15 min
Lab File: 1123F014.D
Acq: 23 Nov 2010 9:18 pm

Tgt Ion:276 Resp: 30592

Ion	Ratio	Lower	Upper
276	100		
138	34.1	0.0	44.2
277	48.6	0.0	52.7



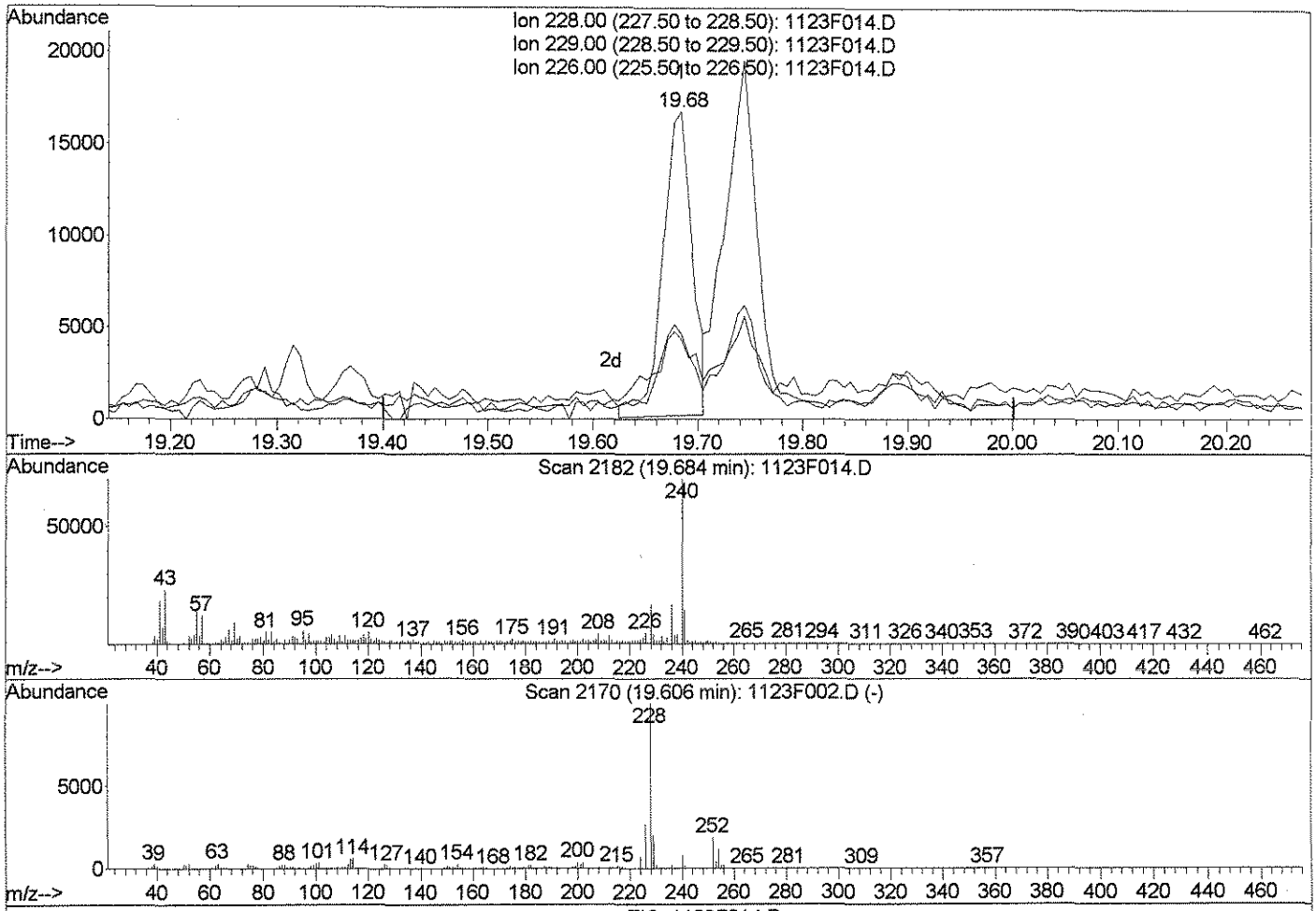
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:52 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



TIC: 1123F014.D

(76) Benz(a)anthracene (T)

19.68min 131.77ng/ml

response 32651

Ion	Exp%	Act%
228.00	100	100
229.00	19.40	20.52
226.00	27.70	23.98
0.00	0.00	0.00

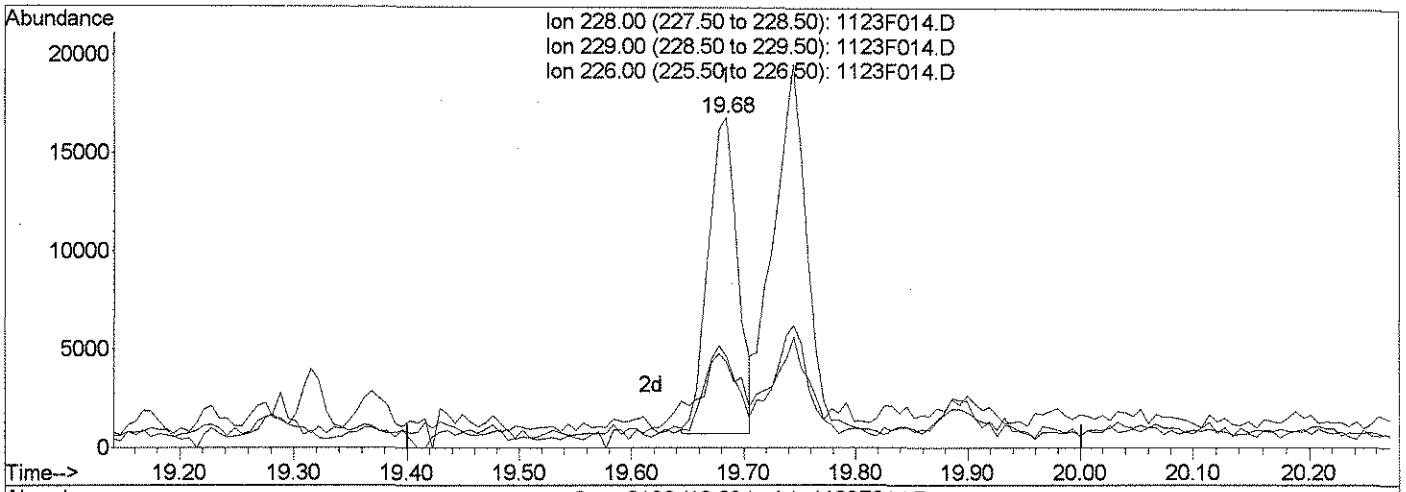
Quantitation Report (Qedit)

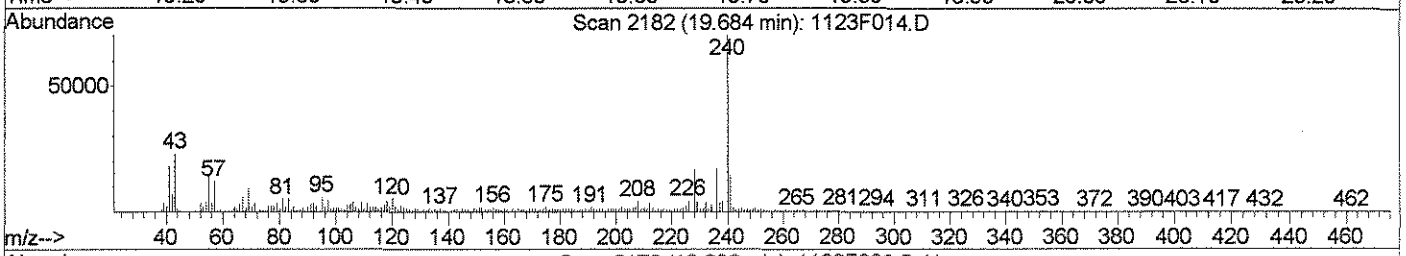
Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:52 2010

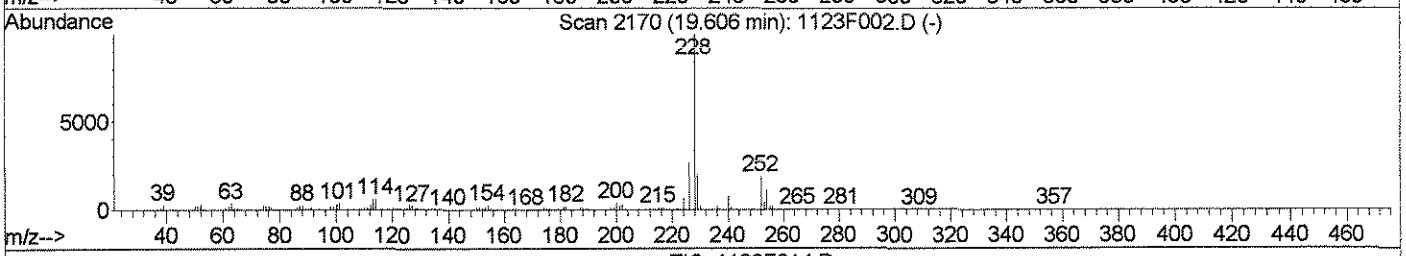
Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F014.D

(76) Benz(a)anthracene (T)

19.68min 119.76ng/ml m

response 29675

Ion	Exp%	Act%
228.00	100	100
229.00	19.40	25.68
226.00	27.70	27.42
0.00	0.00	0.00

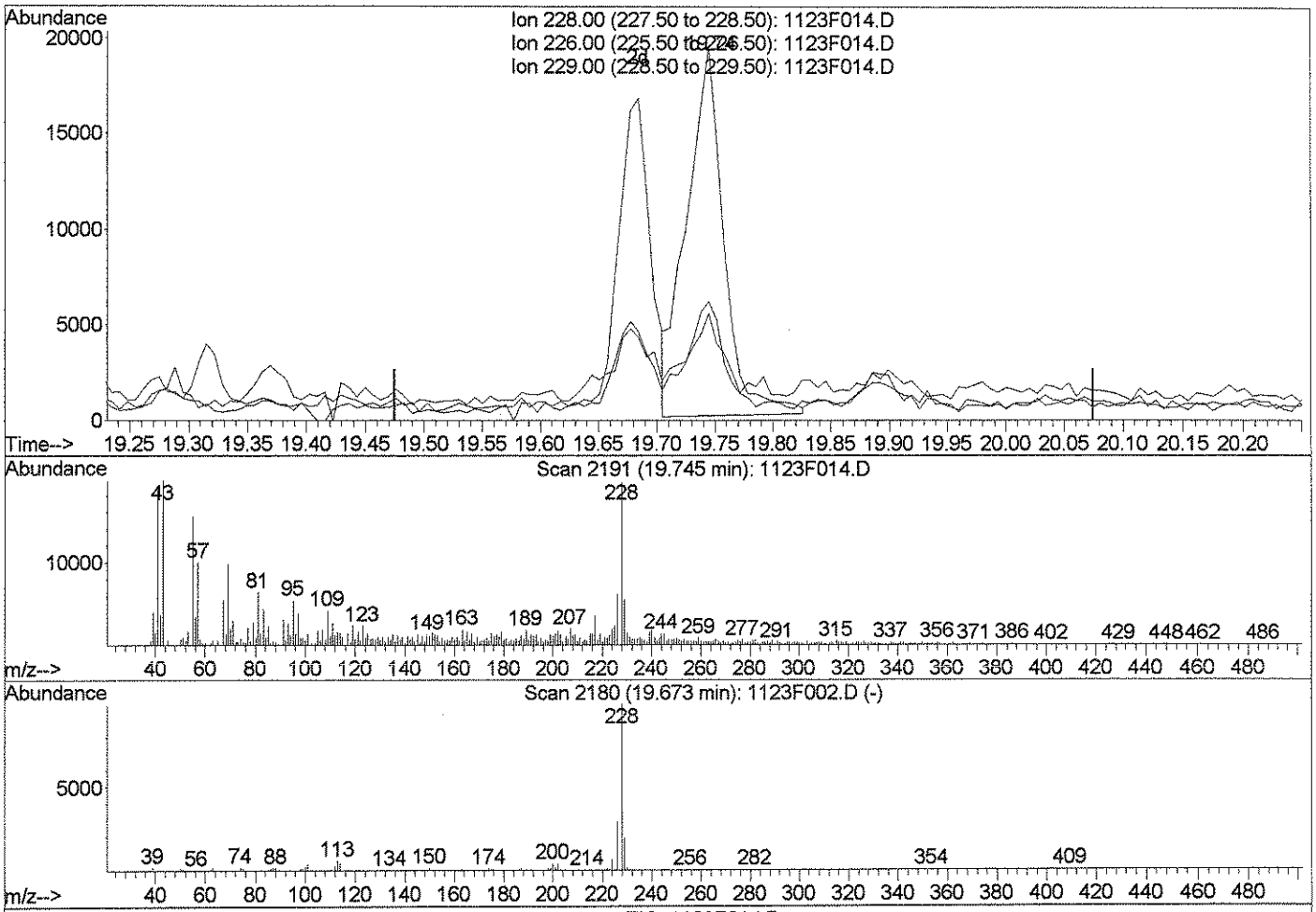
LB 11/24/10

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:52 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(77) Chrysene (T)

19.74min 173.34ng/ml

response 42825

Ion	Exp%	Act%
228.00	100	100
226.00	28.90	27.46
229.00	19.40	18.54
0.00	0.00	0.00

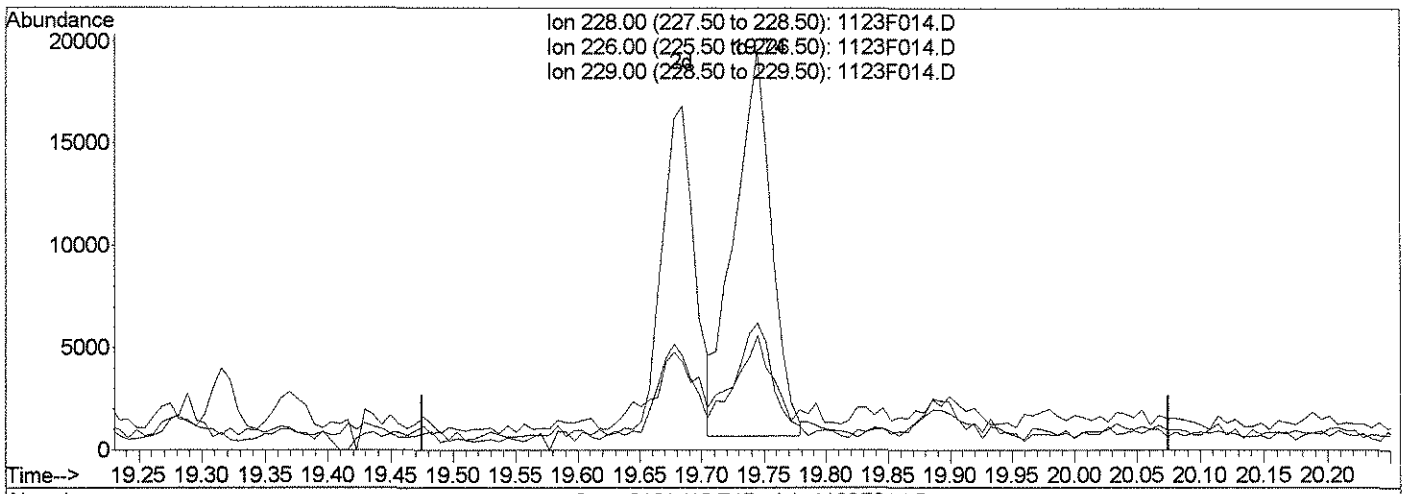
Quantitation Report (Qedit)

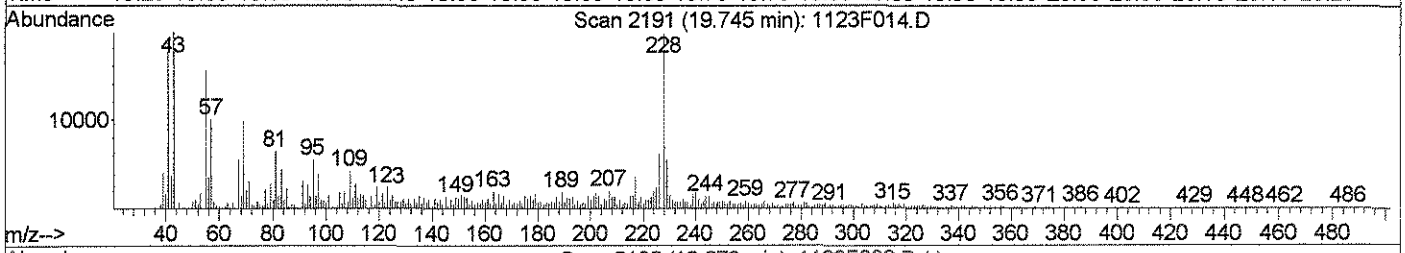
Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:52 2010

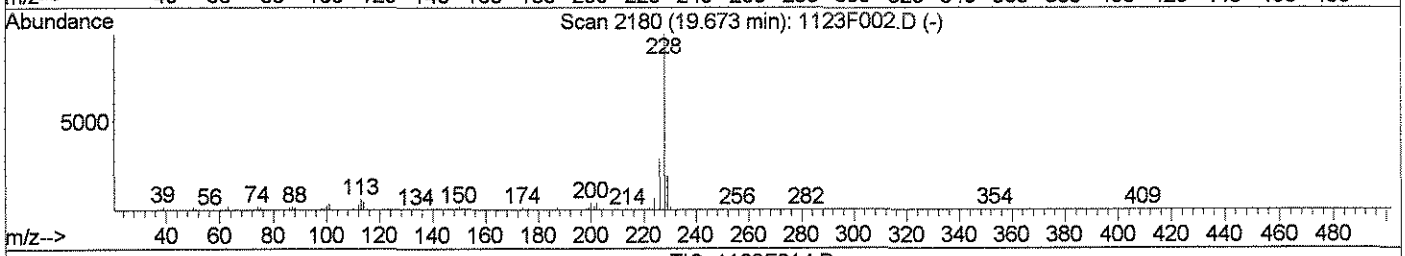
Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F014.D

(77) Chrysene (T)

19.74min 157.42ng/ml m

response 38893

Ion	Exp%	Act%
228.00	100	100
226.00	28.90	31.73
229.00	19.40	28.59
0.00	0.00	0.00

DI
LB 11/24/10

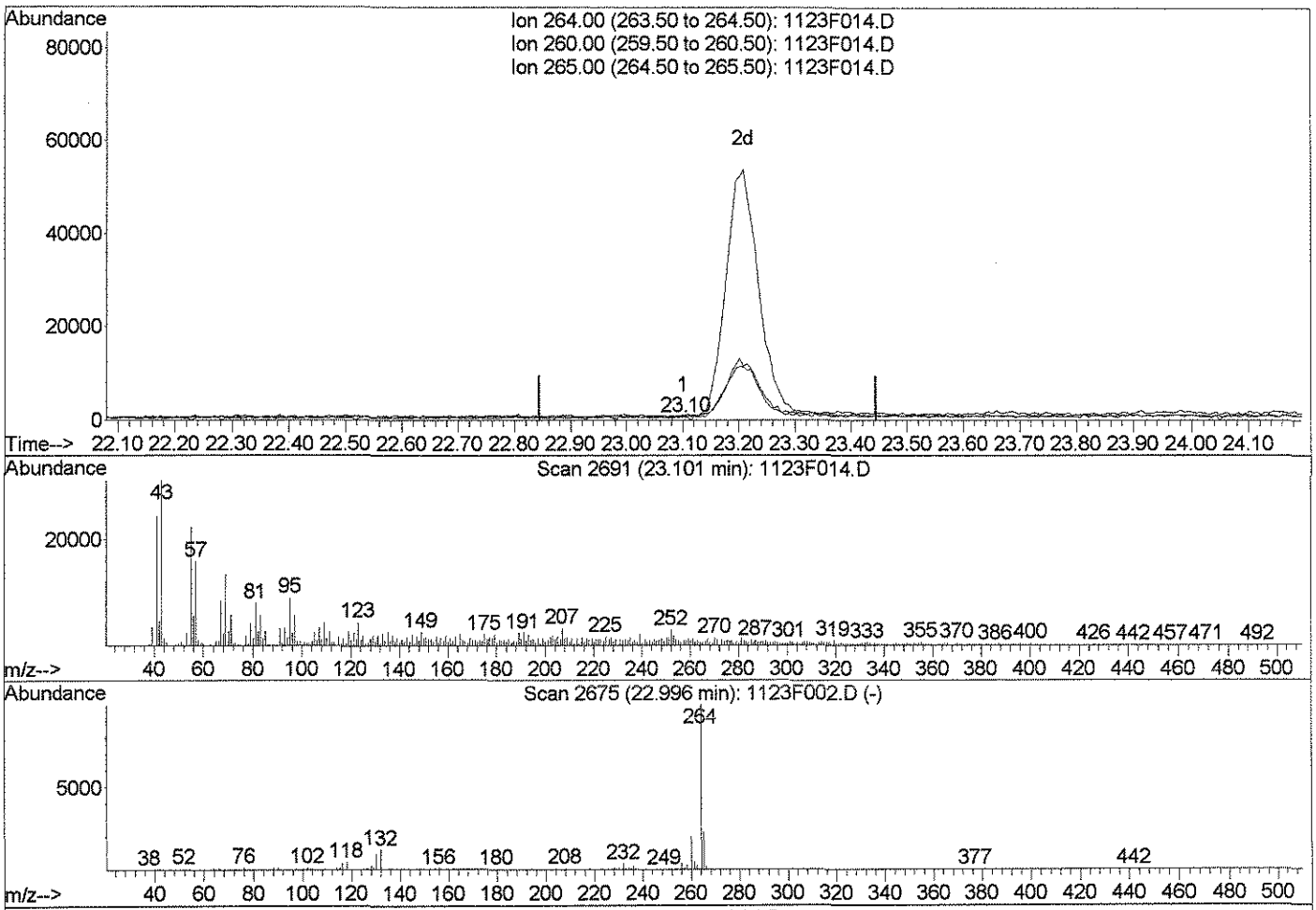
1123F014.D 111510_BNLL.M Wed Nov 24 08:52:25 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:53 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(79) Perylene-d12 (I)

23.10min 1000.00ng/ml

response 1025

Ion	Exp%	Act%
264.00	100	100
260.00	20.70	32.68
265.00	21.10	0.00
0.00	0.00	0.00

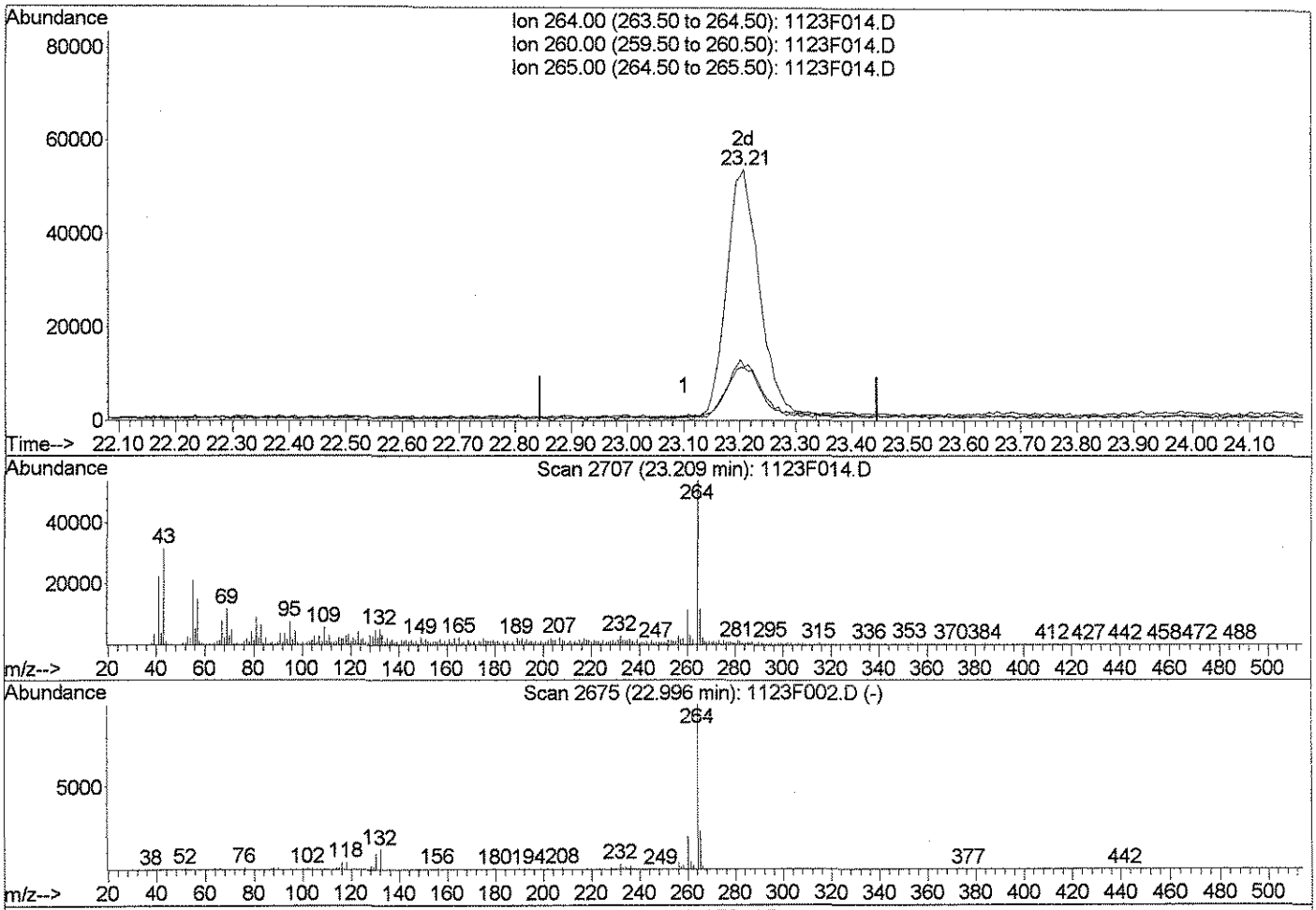
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:53 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(79) Perylene-d12 (I)

23.21min 1000.00ng/ml m

response 228076

Ion	Exp%	Act%
264.00	100	100
260.00	20.70	21.06
265.00	21.10	21.49
0.00	0.00	0.00

WP
LB 11/24/10

1123F014.D 111510_BNLL.M Wed Nov 24 08:53:25 2010

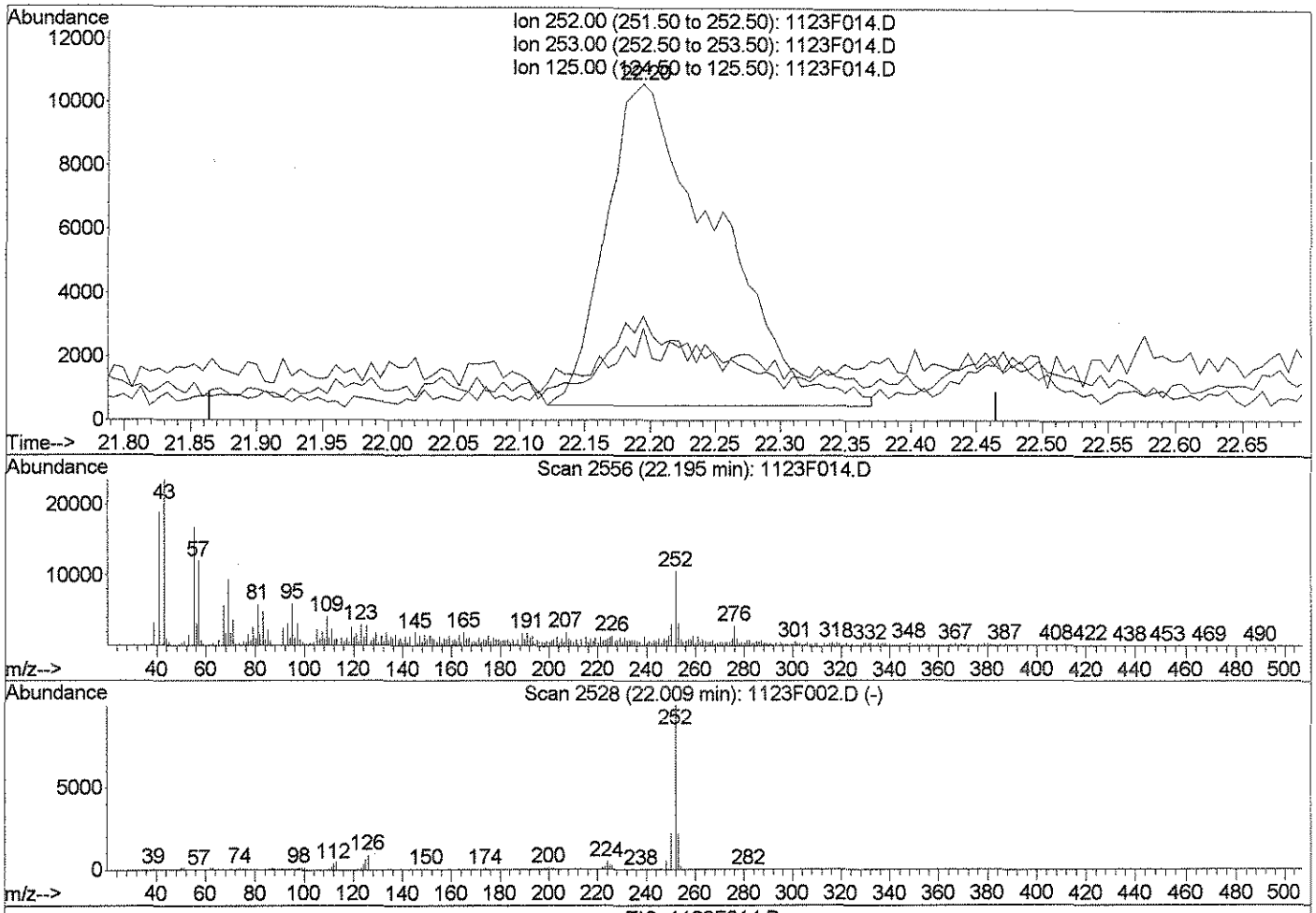
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:53 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



TIC: 1123F014.D

(81) Benzo(b)fluoranthene (T)

22.20min 242.10ng/ml

response 59275

Ion	Exp%	Act%
252.00	100	100
253.00	21.00	22.57
125.00	6.40	17.45
0.00	0.00	0.00

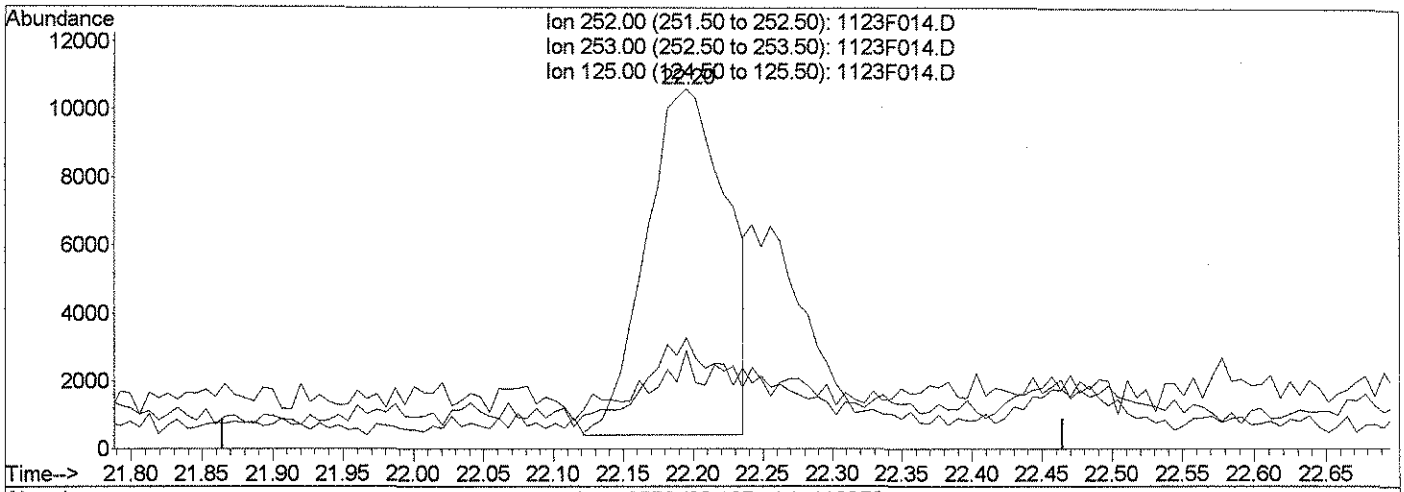
Quantitation Report (Qedit)

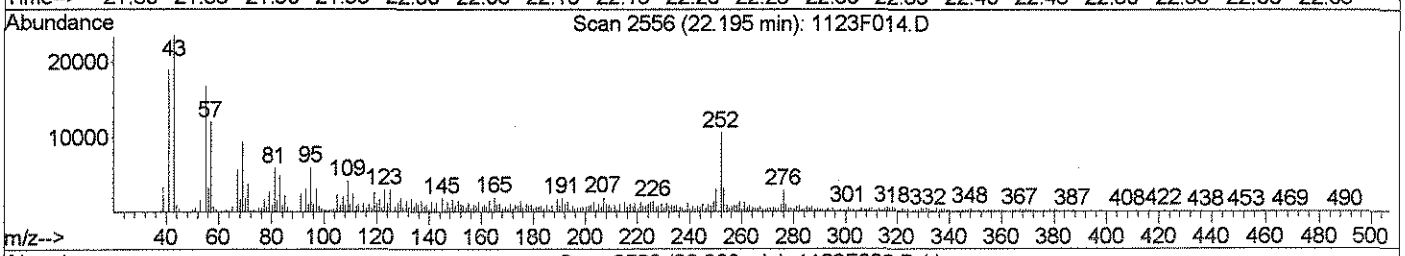
Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:53 2010

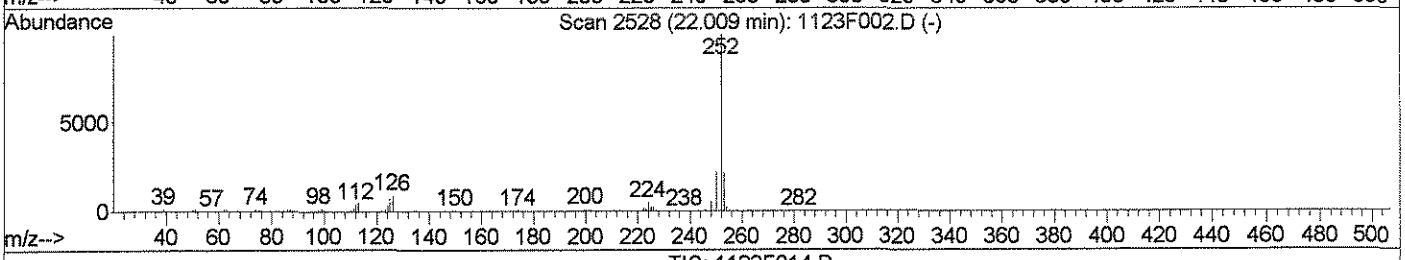
Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F014.D

(81) Benzo(b)fluoranthene (T)

22.20min 166.23ng/ml m

response 40698

Ion	Exp%	Act%
252.00	100	100
253.00	21.00	30.93
125.00	6.40	27.37
0.00	0.00	0.00

01
LB 11/24/10

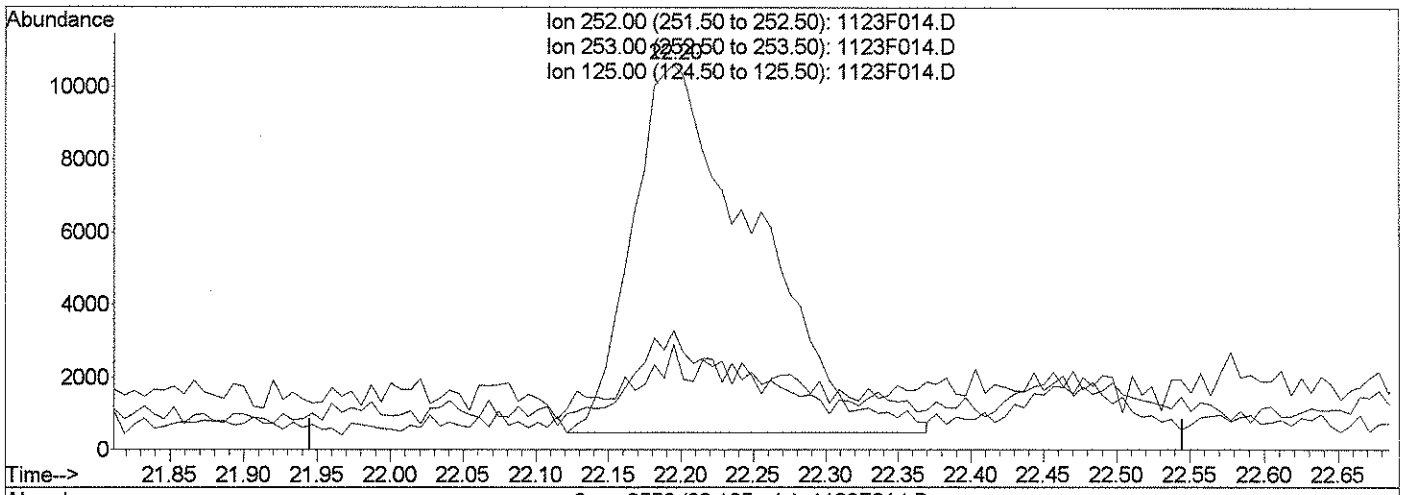
1123F014.D 111510_BNLL.M Wed Nov 24 08:53:51 2010

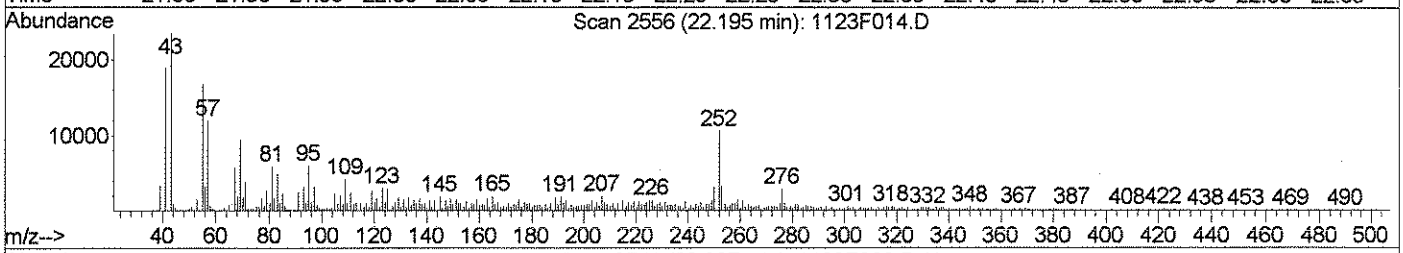
Quantitation Report (Qedit)

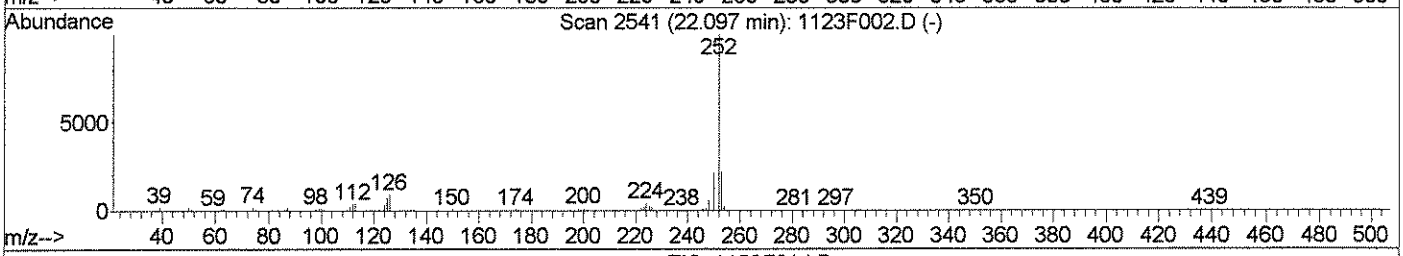
Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:53 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F014.D

(82) Benzo(k)fluoranthene (T)

22.20min 228.22ng/ml

response 59275

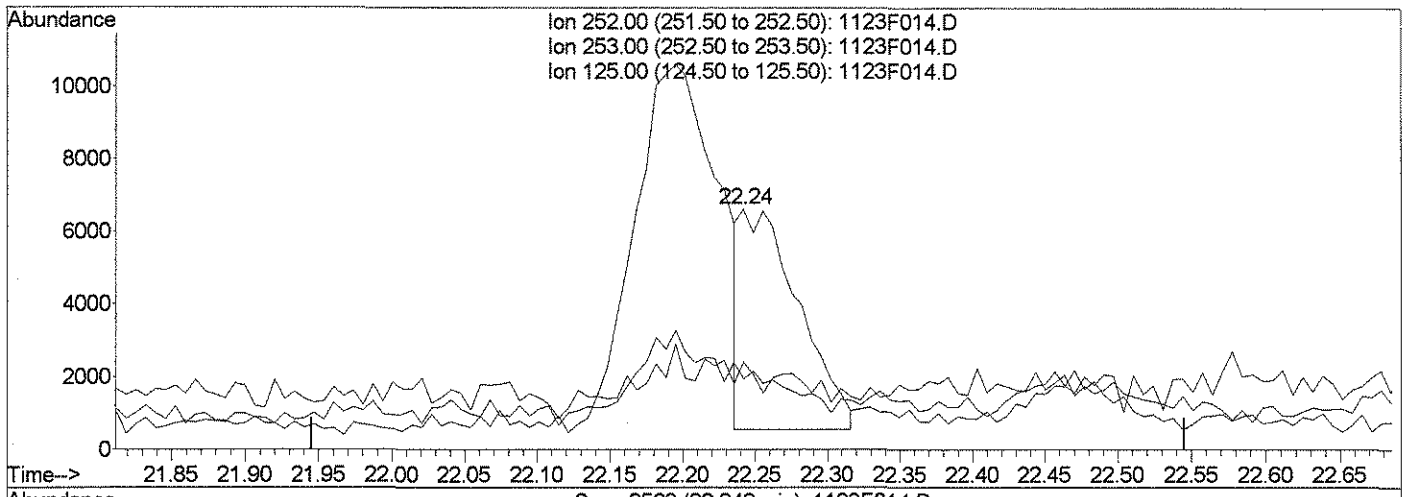
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	22.57
125.00	6.20	17.45
0.00	0.00	0.00

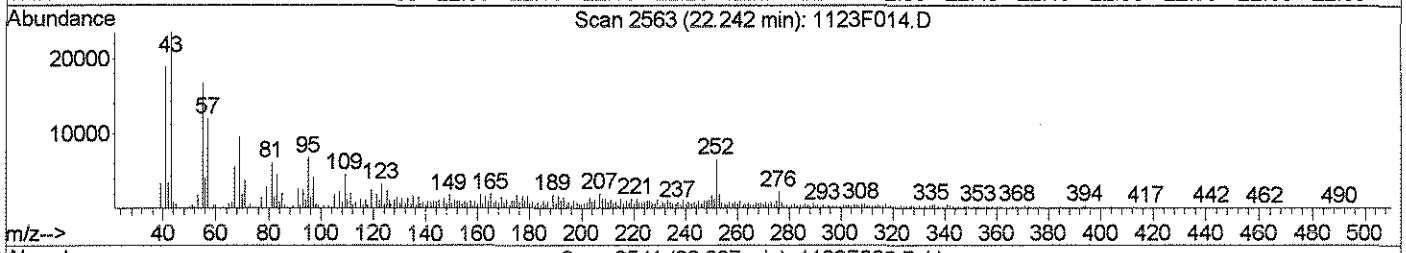
Quantitation Report (Qedit)

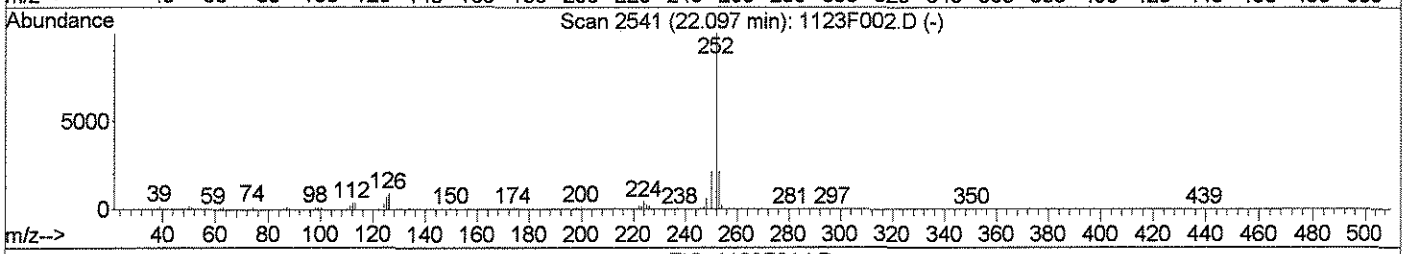
Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:53 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F014.D

(82) Benzo(k)fluoranthene (T)

22.24min 65.33ng/ml m

response 16967

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	29.33
125.00	6.20	36.29#
0.00	0.00	0.00

01
LB 11/24/10
a

1123F014.D 111510_BNLL.M Wed Nov 24 08:54:02 2010

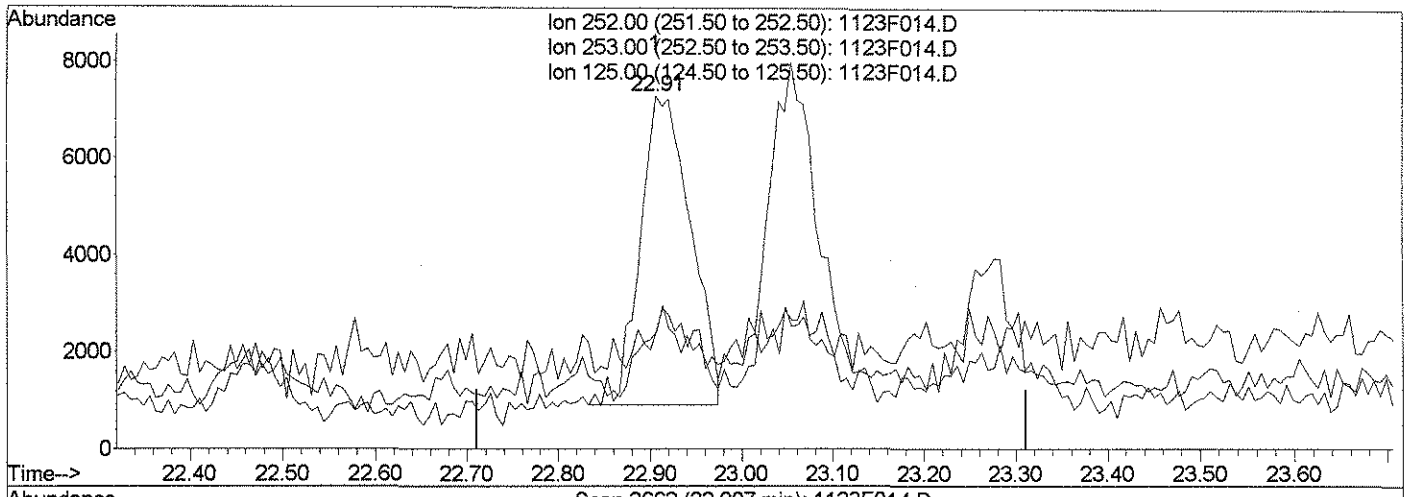
Quantitation Report (Qedit)

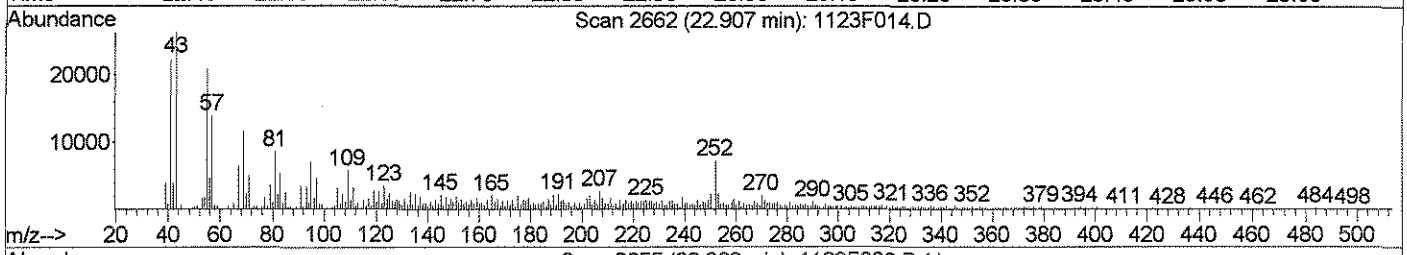
Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:53 2010

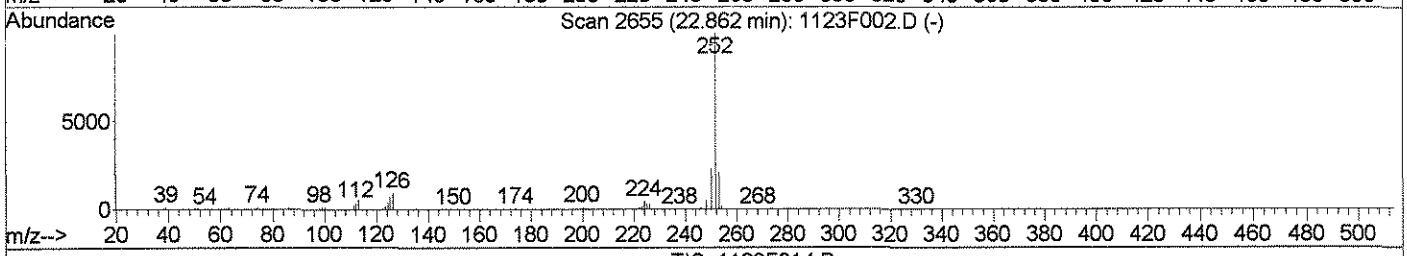
Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F014.D

(83) Benzo(a)pyrene (TC)

22.91min 119.76ng/ml

response 24550

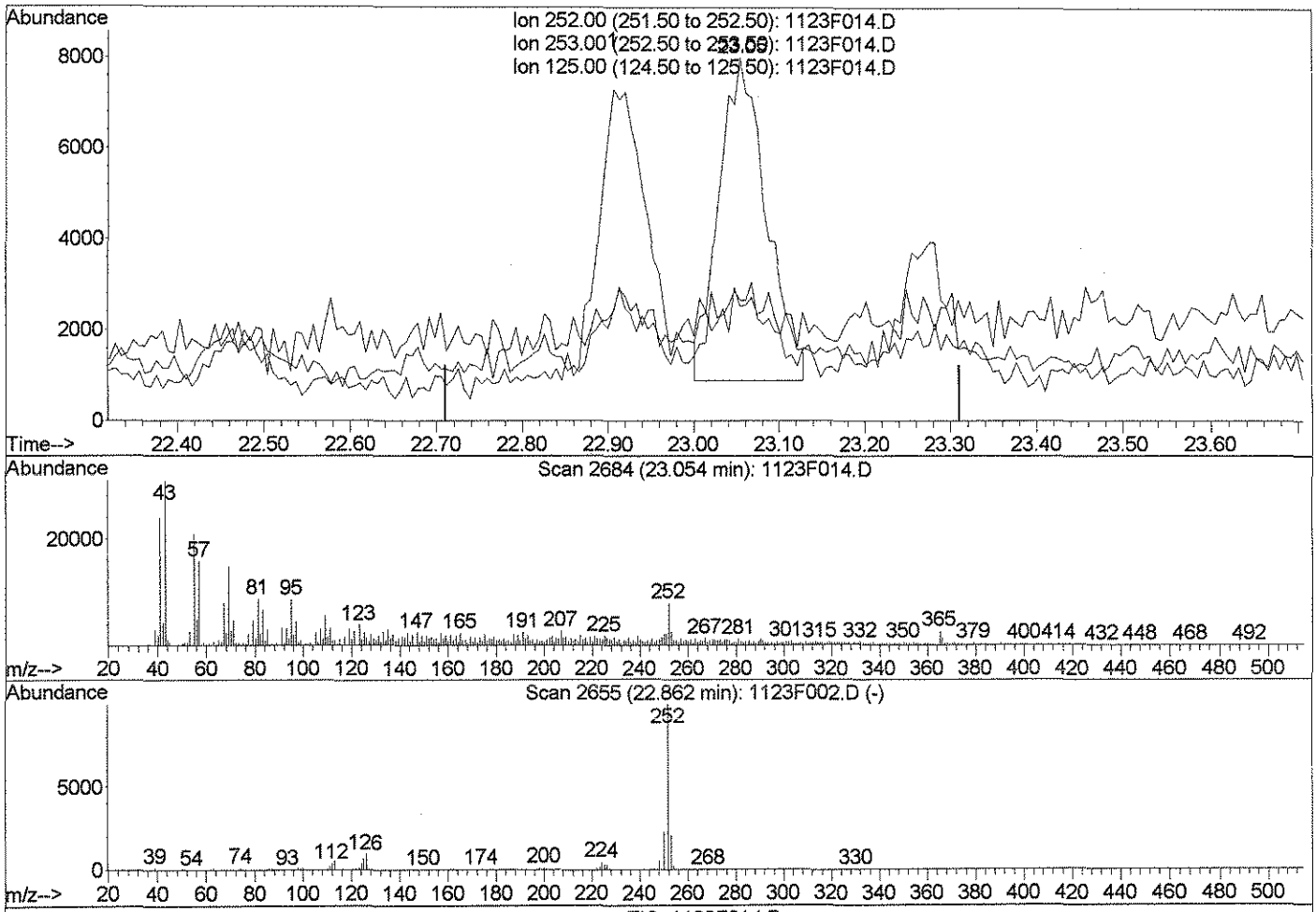
Ion	Exp%	Act%
252.00	100	100
253.00	20.30	18.28
125.00	7.00	10.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:54 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(83) Benzo(a)pyrene (TC)

23.05min 133.71ng/ml m

response 27410

Ion	Exp%	Act%
252.00	100	100
253.00	20.30	33.22
125.00	7.00	31.59
0.00	0.00	0.00

WP
LB 11/24/10

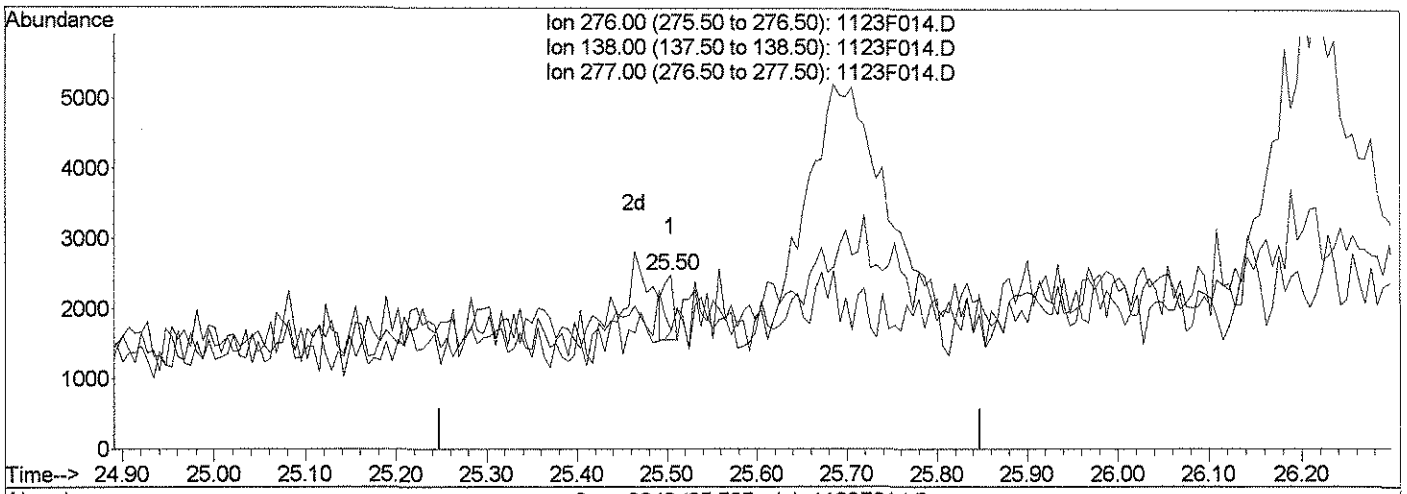
1123F014.D 111510_BNLL.M Wed Nov 24 08:54:14 2010

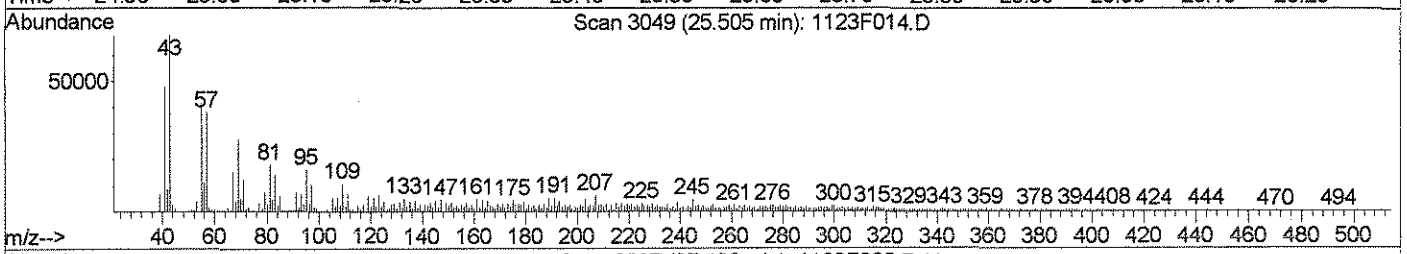
Quantitation Report (Qedit)

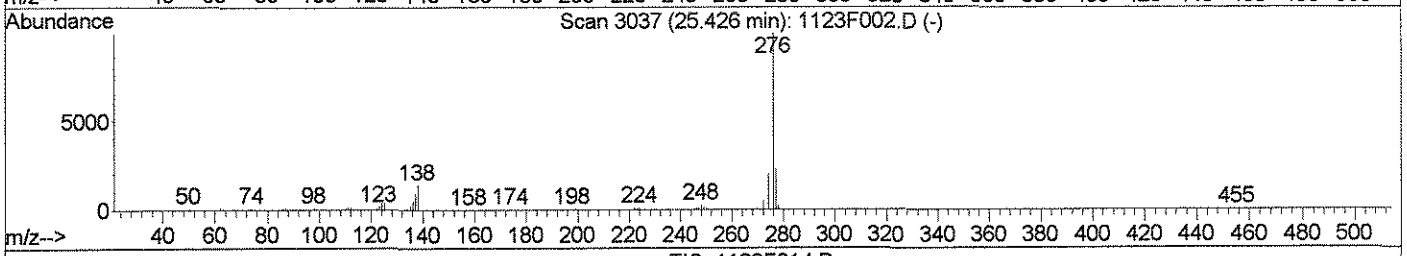
Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:54 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F014.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.50min 3.76ng/ml

response 695

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	14.50
277.00	23.00	0.00
0.00	0.00	0.00

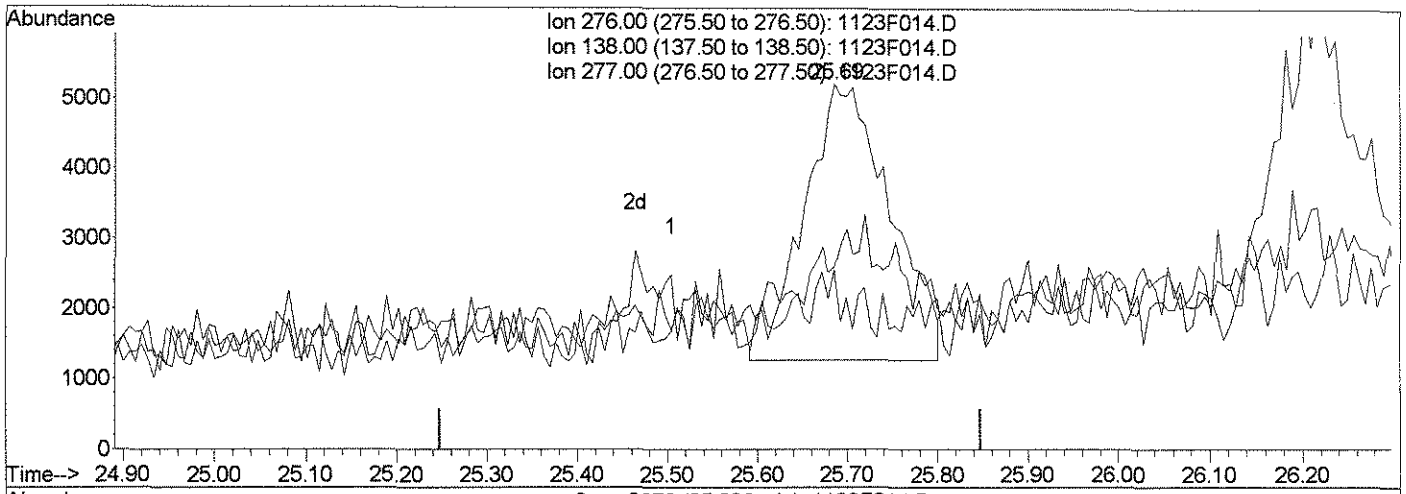
Quantitation Report (Qedit)

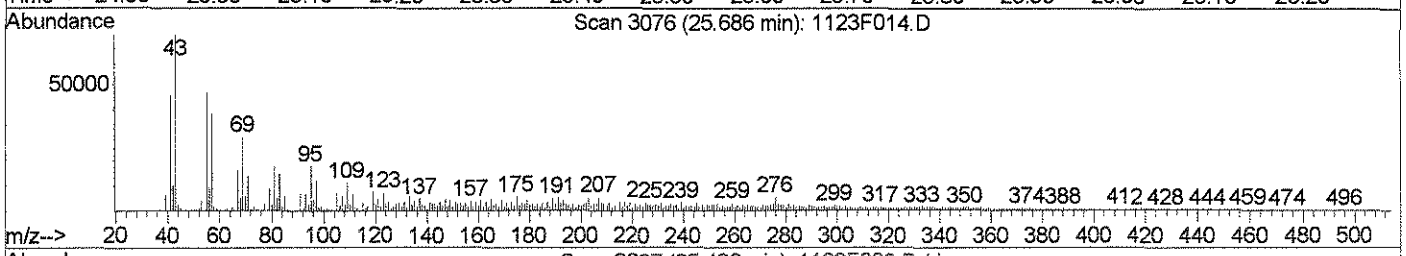
Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:54 2010

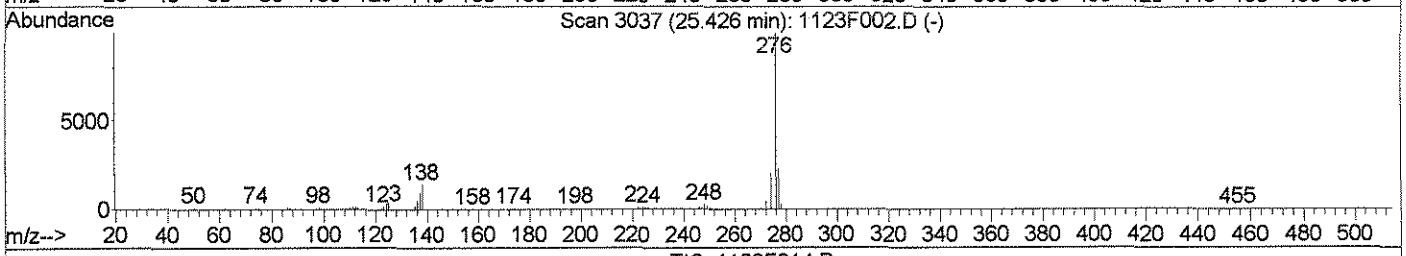
Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F014.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.69min 141.47ng/ml m

response 26133

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	48.91#
277.00	23.00	49.73
0.00	0.00	0.00

WP
LB 11/24/10

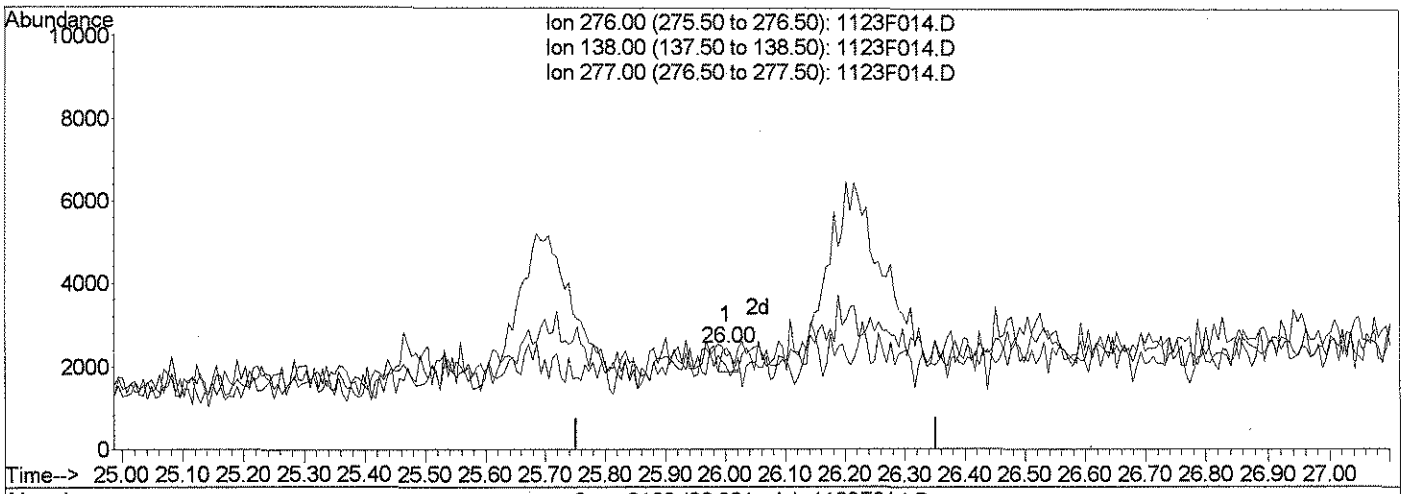
1123F014.D 111510_BNLL.M Wed Nov 24 08:54:22 2010

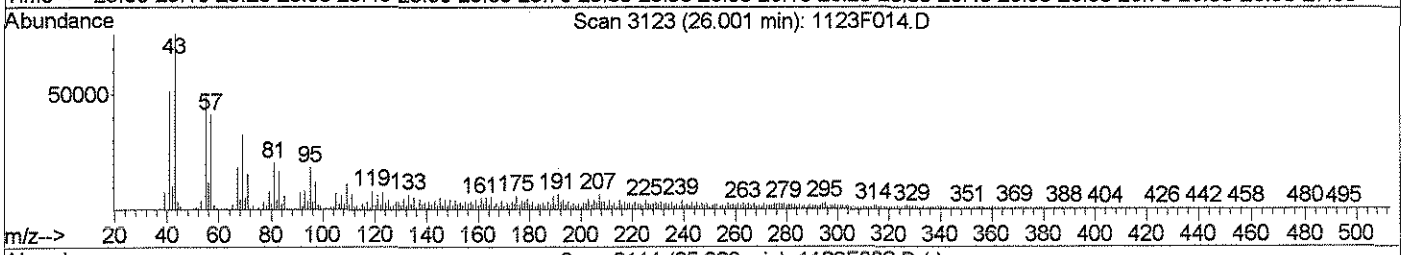
Quantitation Report (Qedit)

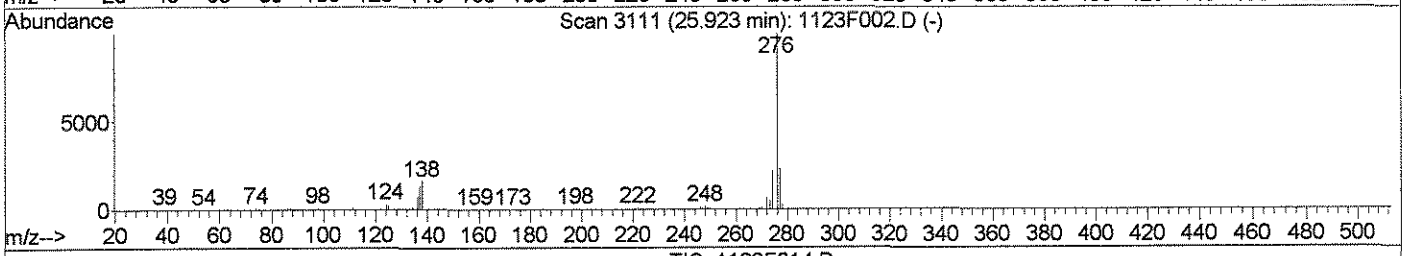
Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:54 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F014.D

(86) Benzo(g,h,i)perylene (T)

26.00min 3.14ng/ml

response 638

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	0.00
277.00	22.70	0.00
0.00	0.00	0.00

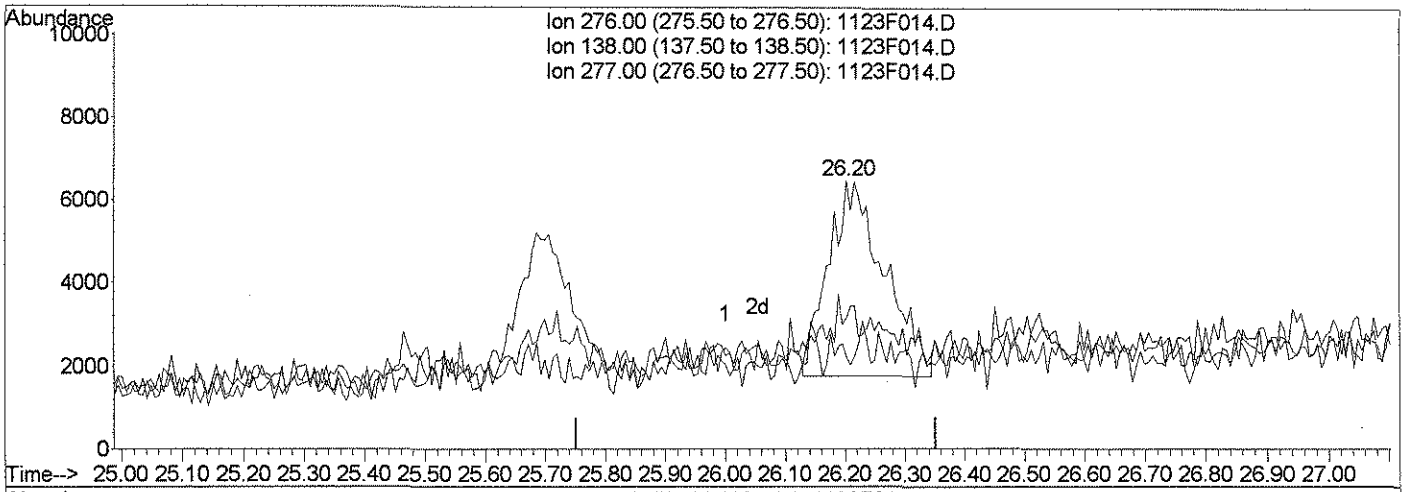
Quantitation Report (Qedit)

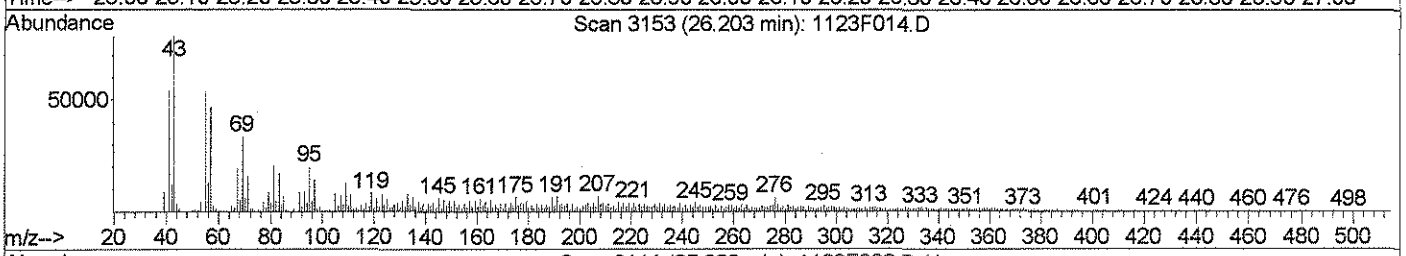
Data File : J:\MS06\DATA\112310\1123F014.D
Acq On : 23 Nov 2010 9:18 pm
Sample : K1012914-018 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:54 2010

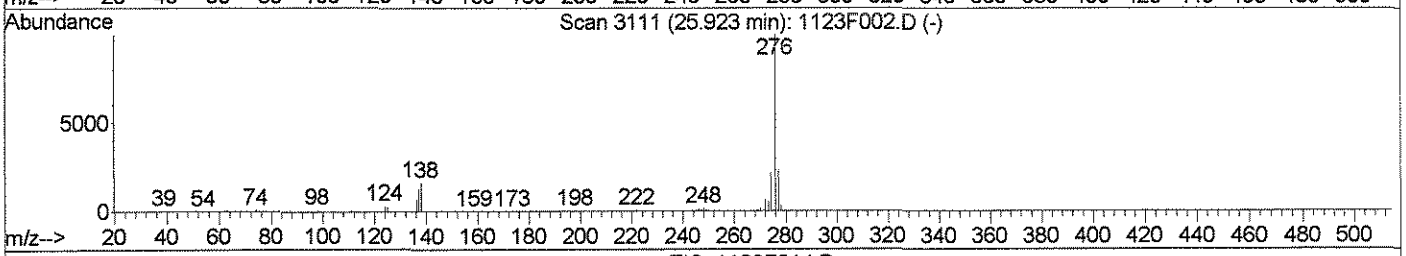
Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F014.D

(86) Benzo(g,h,i)perylene (T)

26.20min 150.36ng/ml m

response 30592

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	34.05
277.00	22.70	48.55
0.00	0.00	0.00

WP
LB 11/24/10

1123F014.D 111510_BNLL.M Wed Nov 24 08:54:32 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0020
Lab Code: K1012914-019

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	300	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	59	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	180	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	59	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	59	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	59	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	59	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	300	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	59	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	59	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	300	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**54**	JD	59	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	590	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	59	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	590	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	590	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**30**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**70**	D	59	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**65**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	59	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	590	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**39**	JD	59	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**51**	JD	59	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	590	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	59	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**63**	D	59	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**19**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**51**	JD	59	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**60**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**67**	D	59	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	56	11-80	11/23/10	Acceptable
Phenol-d6	61	20-86	11/23/10	Acceptable
Nitrobenzene-d5	66	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	69	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	70	10-119	11/23/10	Acceptable
Terphenyl-d14	97	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F015.D
Lab ID: K1012914-019
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 11/23/2010 21:55
Date Quantitated: 11/24/2010 08:57
Batch ID: KWG1012886
Analysis Method: 8270C
ListJoinID: LJ12105

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	*	NA	NA		x

Base run due to matrix (dark extract).

Primary Review: LB 11/24/10

Secondary Review: 11/24/10

Quantitation Report

Bottle ID:	03	**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979841	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12105
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112310\1123F015.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 21:55	**Quant Date:**	11/24/2010 08:57	**Vial:**	15
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-019			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.23	0.04	152	55023	1,000.00	OK
2	Naphthalene-d8	10.10	0.03	136	162288	1,000.00	OK
3	Acenaphthene-d10	12.90	0.03	164	92444	1,000.00	OK
4	Phenanthrene-d10	15.32	0.04	188	188621	1,000.00	OK
5	Chrysene-d12	19.69	0.07	240	228088	1,000.00	OK
6	Perylene-d12	23.19	0.19	264	214695	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.61	0.05	0.00	112	11470	210.80	56	11-80 OK	
1	Phenol-d6	7.79	0.04	0.00	99	14573	228.20	61	20-86 OK	
1	Nitrobenzene-d5	9.03	0.03	0.00	82	12005	165.65	66	27-91 OK	
3	2-Fluorobiphenyl	11.85	0.02	0.00	172	26064	171.49	69	25-97 OK	
4	2,4,6-Tribromophenol	14.20	0.03	0.00	330	8607	261.29	70	10-119 OK	
5	Terphenyl-d14	17.97	0.04	0.00	244	43505	241.75	97	33-129 OK	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		61	U	
1	Bis(2-chloroethyl) Ether				93	0		19	U	
1	Phenol				94	0		20	U	
1	2-Chlorophenol				128	0		20	U	
1	Bis(2-chloroisopropyl) Ether				45	0d		26	U	
1	Hexachloroethane				117	0		31	U	
1	N-Nitrosodi-n-propylamine				70	0d		24	U	
1	Nitrobenzene				77	0d		22	U	
2	Isophorone				82	0		10	U	
2	2-Nitrophenol				139	0		15	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F015.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 21:55	**Quant Date:**	11/24/2010 08:57	**Vial:**	15
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-019			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0		55	U	
2	Bis(2-chloroethoxy)methane				93	0		15	U	
2	2,4-Dichlorophenol				162	0		10	U	
2	Naphthalene				128	0**d**		23	U	
2	Hexachlorobutadiene				225	0		25	U	
2	4-Chloro-3-methylphenol				107	0		14	U	
3	Hexachlorocyclopentadiene				237	0		290	U	
3	2,4,6-Trichlorophenol				196	0		14	U	
3	2-Chloronaphthalene				127	0		16	U	
3	Acenaphthylene	12.67	0.03	0.00	152	1904	10.64	12	U	
3	Dimethyl Phthalate	12.54	0.01	0.00	163	13179	91.78	54	JD	
3	2,6-Dinitrotoluene				165	0		20	U	
3	Acenaphthene				154	0		14	U	
3	2,4-Dinitrophenol				184	0		170	U	
3	4-Nitrophenol				109	0**d**		180	U	
3	2,4-Dinitrotoluene				165	0		15	U	
3	Fluorene				166	0**d**		11	U	
3	4-Chlorophenyl Phenyl Ether				204	0		14	U	
3	Diethyl Phthalate				149	0**d**		13	U	
3	2-Methyl-4,6-dinitrophenol				198	0		14	U	
3	N-Nitrosodiphenylamine				169	0		16	U	
3	Azobenzene				77	0**d**		11	U	
4	4-Bromophenyl Phenyl Ether				248	0		16	U	
4	Hexachlorobenzene				284	0		12	U	
4	Pentachlorophenol				266	0		200	U	
4	Phenanthrene	15.35	0.03	0.00	178	9636	50.97	30	JD	
4	Anthracene	15.43	0.03	0.00	178	4250**m**	21.63	16	U	
4	Di-n-butyl Phthalate	16.38	0.02	0.00	149	2165	9.03	79	U	
4	Fluoranthene	17.29	0.04	0.00	202	28177	119.59	70	D	
5	Benzidine				184	0**d**		1200	U	
5	Pyrene	17.66	0.05	0.00	202	27457	111.71	65	D	
5	Butyl Benzyl Phthalate				149	0**d**		32	U	
5	3,3'-Dichlorobenzidine				252	0**d**		37	U	
5	Benz(a)anthracene	19.67	0.06	0.00	228	15885	67.33	39	JD	
5	Chrysene	19.74	0.07	0.00	228	20455	86.96	51	JD	
5	Bis(2-ethylhexyl) Phthalate	19.87	0.04	0.00	149	11006	77.29	70	U	
6	Di-n-octyl Phthalate				149	0**d**		17	U	
6	Benzo(b)fluoranthene	22.19	0.18	0.00	252	24767**m**	107.46	63	D	
6	Benzo(k)fluoranthene	22.25	0.15	0.00	252	8110**m**	33.17	19	JD	
6	Benzo(a)pyrene	23.05	0.19	0.00	252	16699	86.54	51	JD	
6	Indeno(1,2,3-cd)pyrene	25.68	0.25	0.00	276	17838**m**	102.59	60	D	
6	Dibenz(a,h)anthracene				278	0**d**		15	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F015.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 21:55	**Quant Date:**	11/24/2010 08:57	**Vial:**	15
Run Type:	SMPL			**Dilution:**	10.0
Lab ID:	K1012914-019			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene	26.19	0.27	0.00	276	21894**m**	114.31	67	D	

Prep Amount:	40.196 g	**Dilution:**	10.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	85.1 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F015.D Vial: 15
Acq On : 23 Nov 2010 9:55 pm Operator: KBailey
Sample : K1012914-019 10X Inst : MS06
Misc : Multiplr: 10.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:24 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	55023	1000.00 ng/ml	-0.05
22) Naphthalene-d8	10.10	136	162288	1000.00 ng/ml	-0.05
36) Acenaphthene-d10	12.90	164	92444	1000.00 ng/ml	-0.05
60) Phenanthrene-d10	15.32	188	188621	1000.00 ng/ml	-0.04
70) Chrysene-d12	19.69	240	228088	1000.00 ng/ml	-0.03
79) Perylene-d12	23.19	264	214695	1000.00 ng/ml	0.05

System Monitoring Compounds					
4) 2-Fluorophenol	6.61	112	11470	210.80 ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 110		Recovery = 5.62%#		
6) Phenol-d6	7.79	99	14573	228.20 ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 6.09%#		
20) Nitrobenzene-d5	9.03	82	12005	165.65 ng/ml	-0.05
Spiked Amount 2500.000	Range 30 - 139		Recovery = 6.63%#		
40) 2-Fluorobiphenyl	11.85	172	26064	171.49 ng/ml	-0.05
Spiked Amount 2500.000	Range 37 - 126		Recovery = 6.86%#		
61) 2,4,6-Tribromophenol	14.20	330	8607	261.29 ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 157		Recovery = 6.97%#		
73) Terphenyl-d14	17.97	244	43505	241.75 ng/ml	-0.05
Spiked Amount 2500.000	Range 54 - 158		Recovery = 9.67%#		

Target Compounds					Qvalue
43) Acenaphthylene	12.67	152	1904	10.64 ng/ml	92
44) Dimethyl Phthalate	12.54	163	13179	91.78 ng/ml	94
65) Phenanthrene	15.35	178	9636	50.97 ng/ml	97
66) Anthracene	15.43	178	4250m	21.63 ng/ml	
67) Carbazole	15.74	167	2315	13.48 ng/ml	70
68) Di-n-butyl Phthalate	16.38	149	2165	9.03 ng/ml	63
69) Fluoranthene	17.29	202	28177	119.59 ng/ml	98
72) Pyrene	17.66	202	27457	111.71 ng/ml	95
76) Benz(a)anthracene	19.67	228	15885	67.33 ng/ml	96
77) Chrysene	19.74	228	20455	86.96 ng/ml	97
78) Bis(2-ethylhexyl) Phthalat	19.87	149	11006	77.29 ng/ml	95
81) Benzo(b)fluoranthene	22.19	252	24767m	107.46 ng/ml	
82) Benzo(k)fluoranthene	22.25	252	8110m	33.17 ng/ml	
83) Benzo(a)pyrene	23.05	252	16699	86.54 ng/ml	91
84) Indeno(1,2,3-cd)pyrene	25.68	276	17838m	102.59 ng/ml	
86) Benzo(g,h,i)perylene	26.19	276	21894m	114.31 ng/ml	

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

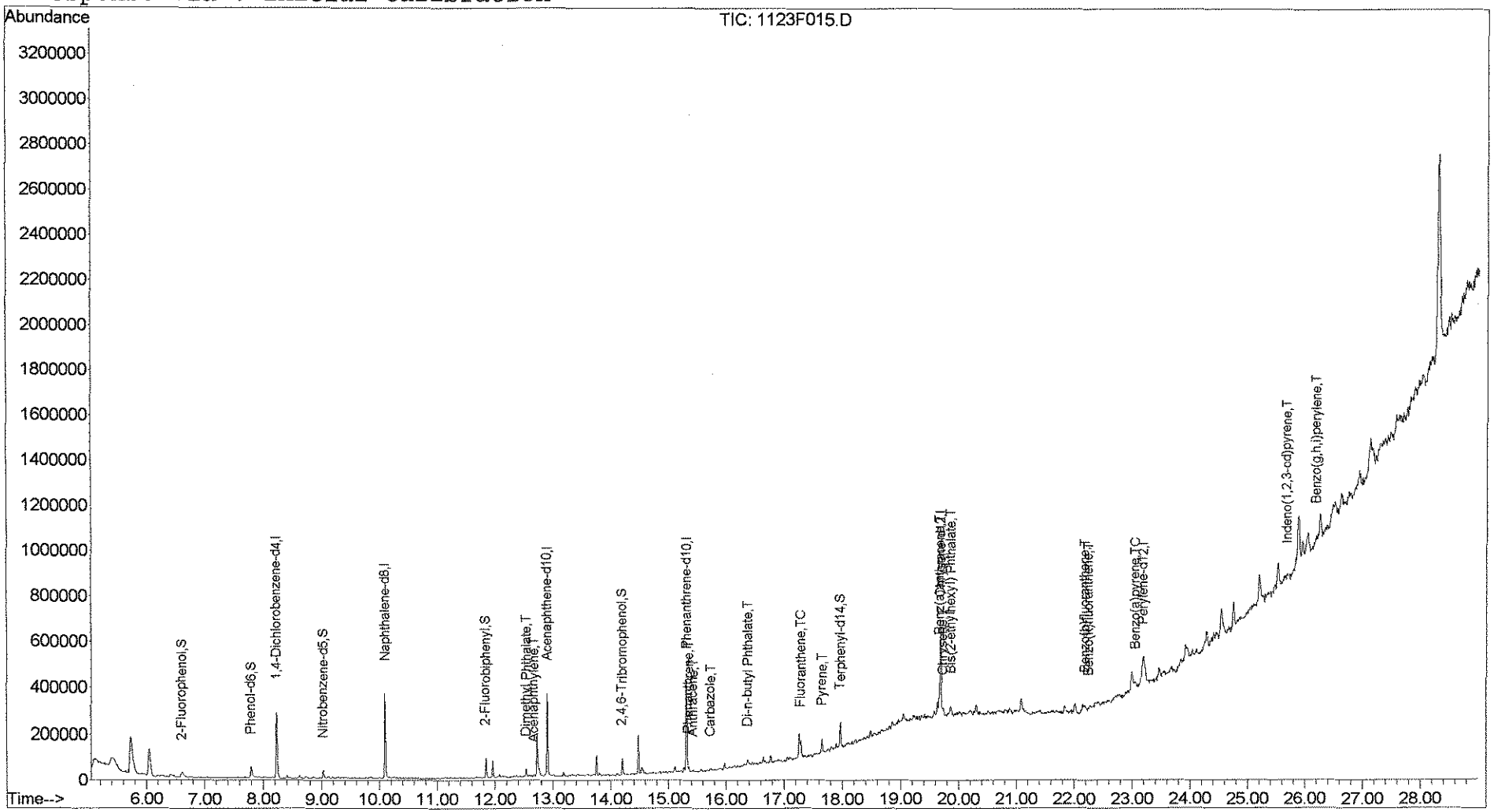
Quantitation Report (QT Reviewed)

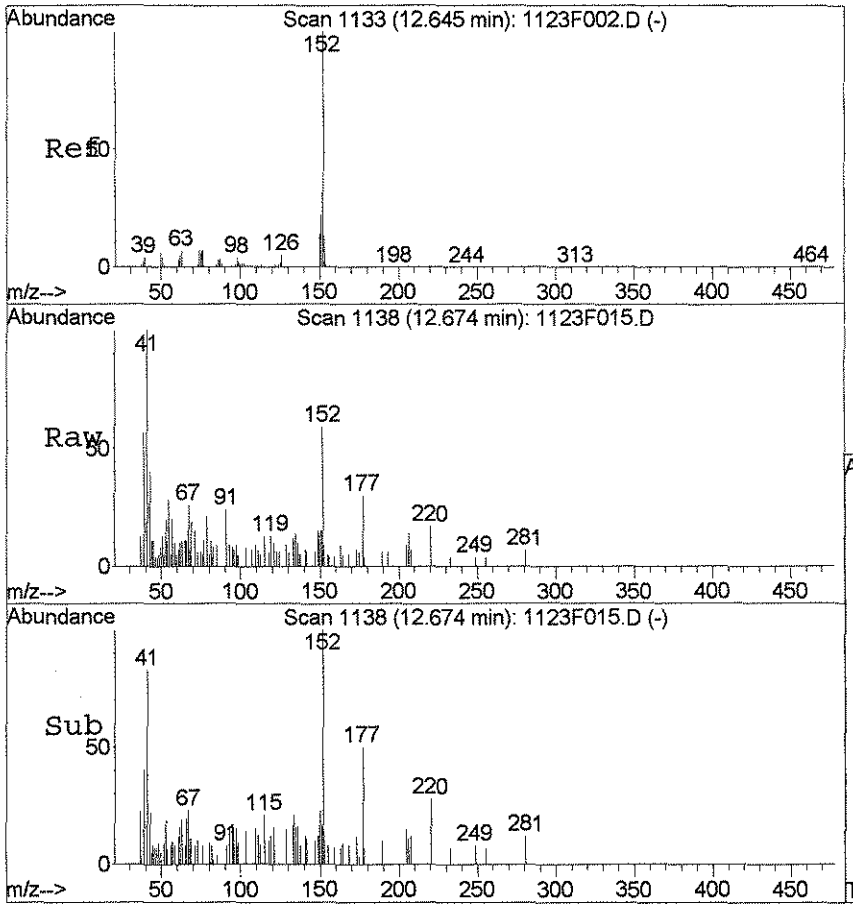
Data File : J:\MS06\DATA\112310\1123F015.D
Acq On : 23 Nov 2010 9:55 pm
Sample : K1012914-019 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:57 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration

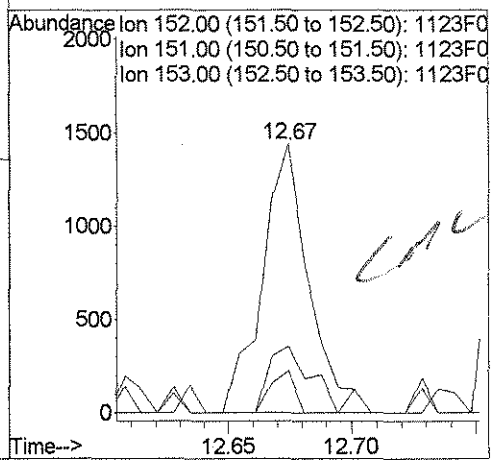


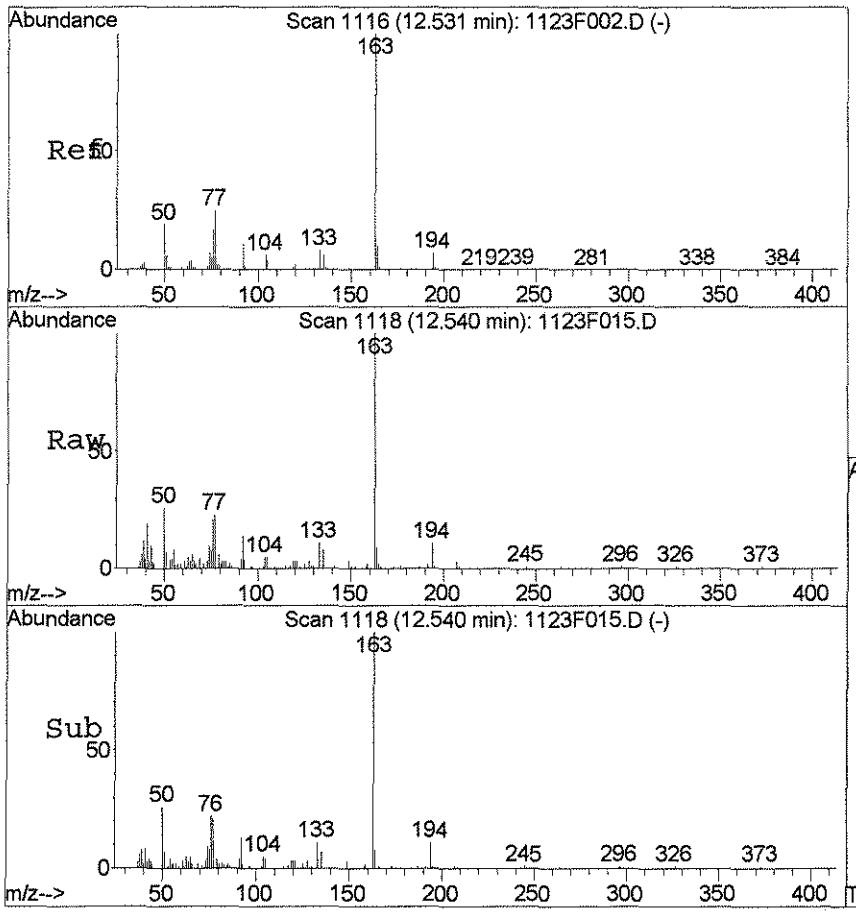


#43
Acenaphthylene
Concen: 10.64 ng/ml
RT: 12.67 min Scan# 1138
Delta R.T. -0.04 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:152 Resp: 1904

Ion	Ratio	Lower	Upper
152	100		
151	24.6	0.0	50.8
153	15.4	0.0	42.8

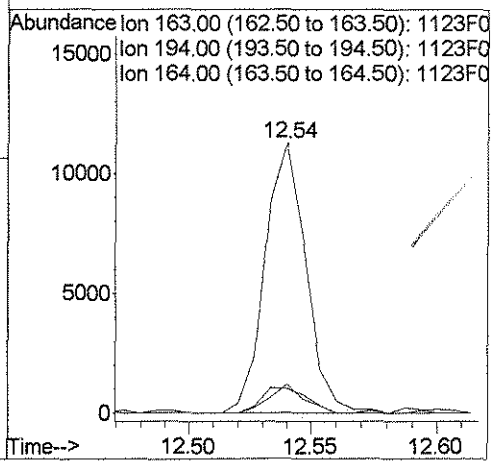


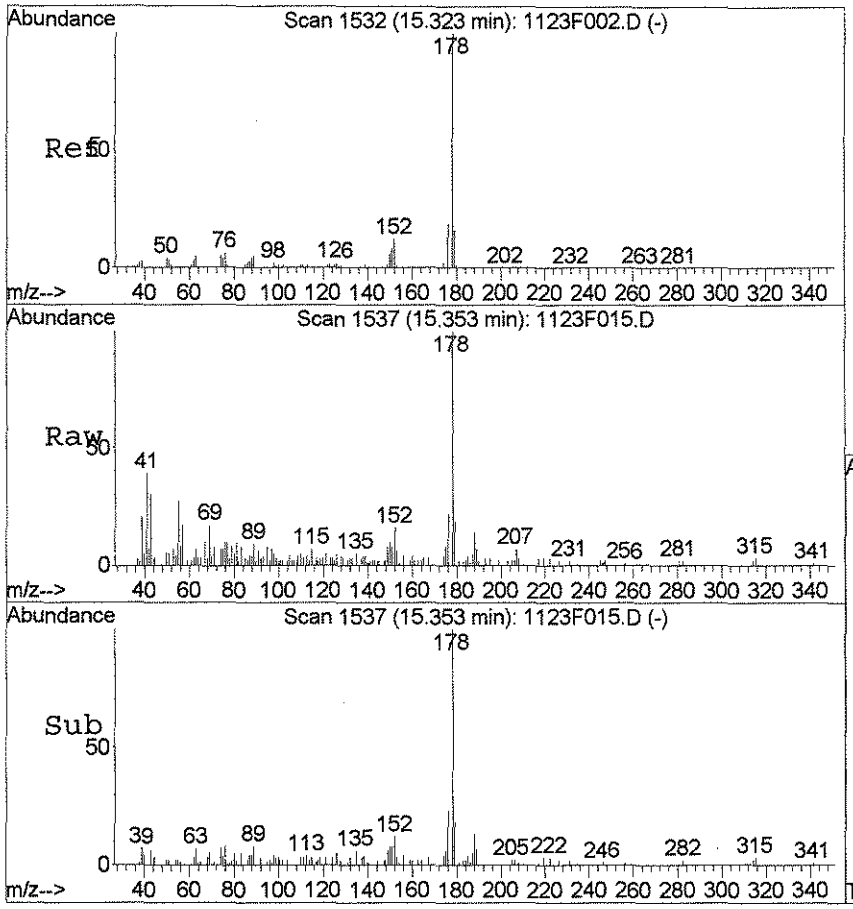


#44
Dimethyl Phthalate
Concen: 91.78 ng/ml
RT: 12.54 min Scan# 1118
Delta R.T. -0.06 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:163 Resp: 13179

Ion	Ratio	Lower	Upper
163	100		
194	10.6	0.0	37.0
164	9.0	0.0	40.1

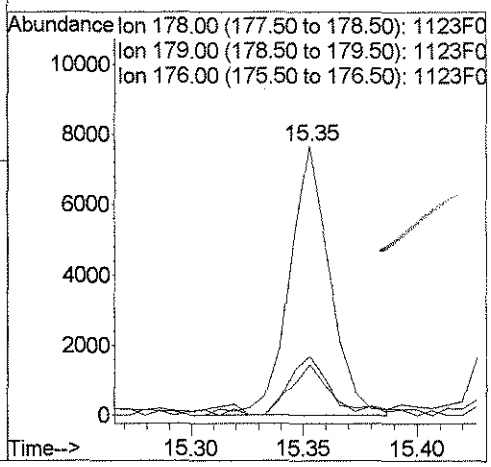


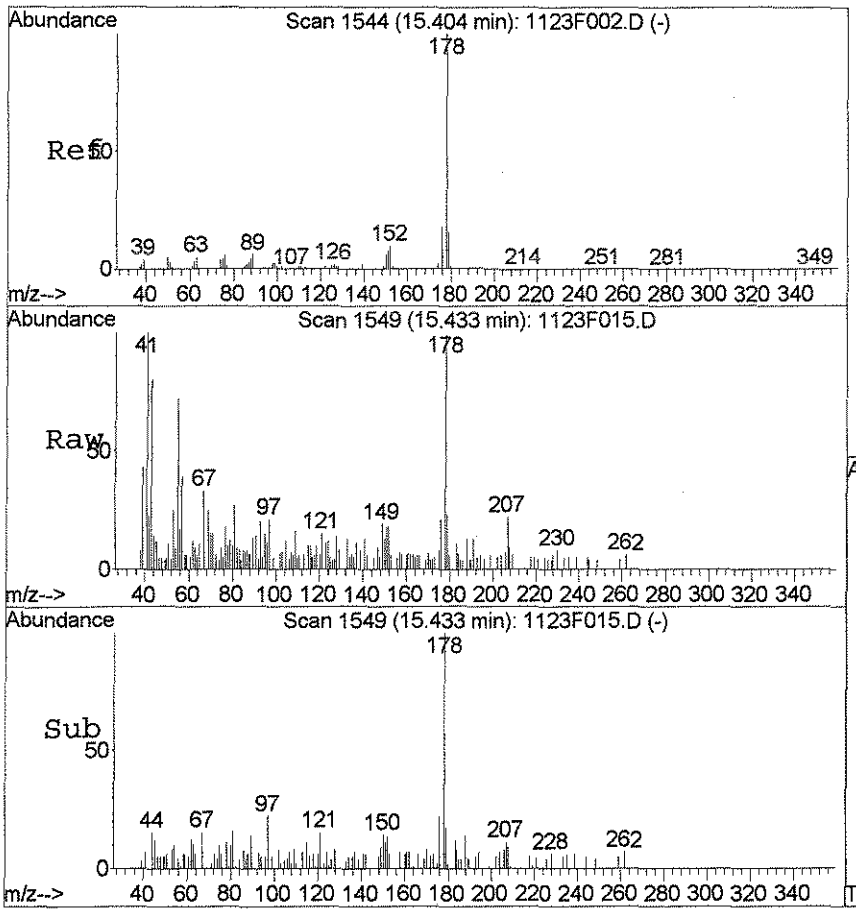


#65
Phenanthrene
Concen: 50.97 ng/ml
RT: 15.35 min Scan# 1537
Delta R.T. -0.05 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:178 Resp: 9636

Ion	Ratio	Lower	Upper
178	100		
179	16.8	0.0	45.6
176	20.7	0.0	49.0

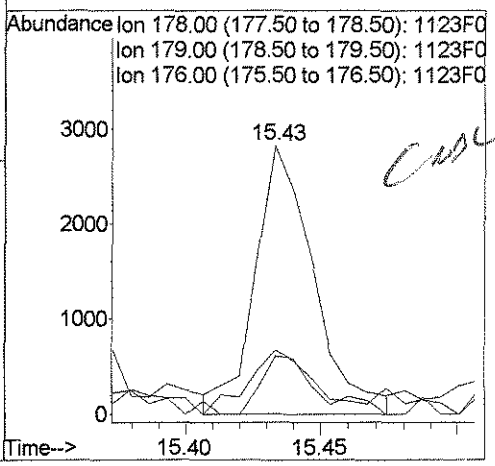


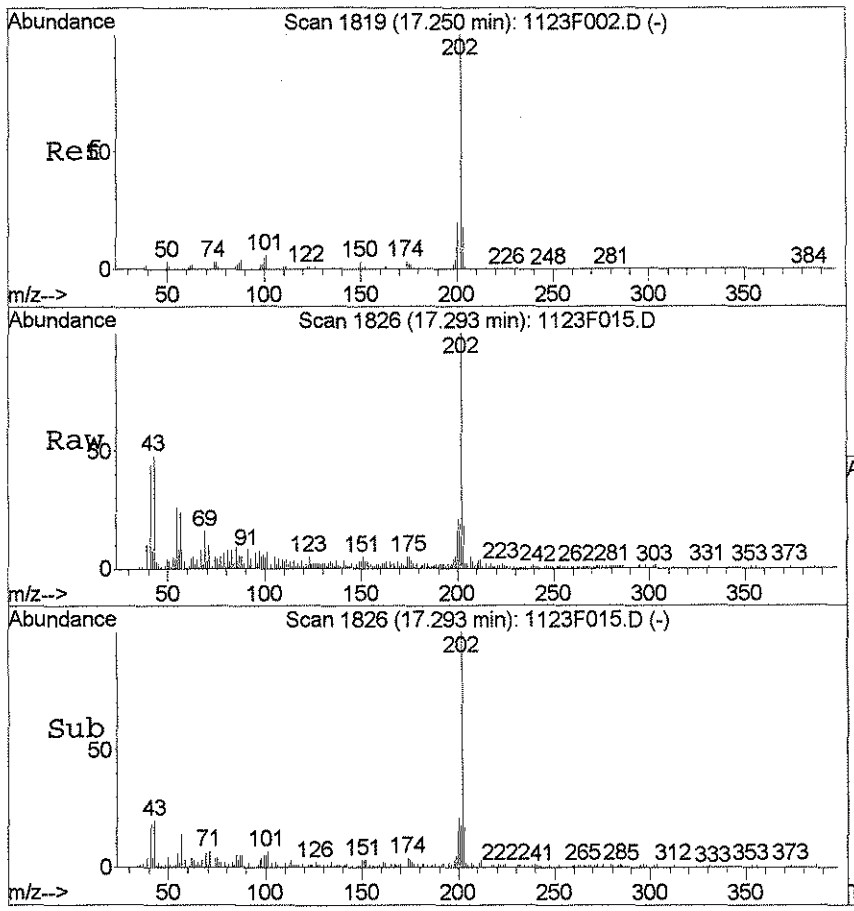


#66
Anthracene
Concen: 21.63 ng/ml m
RT: 15.43 min Scan# 1549
Delta R.T. -0.05 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:178 Resp: 4250

Ion	Ratio	Lower	Upper
178	100		
179	23.5	0.0	45.9
176	21.3	0.0	48.4

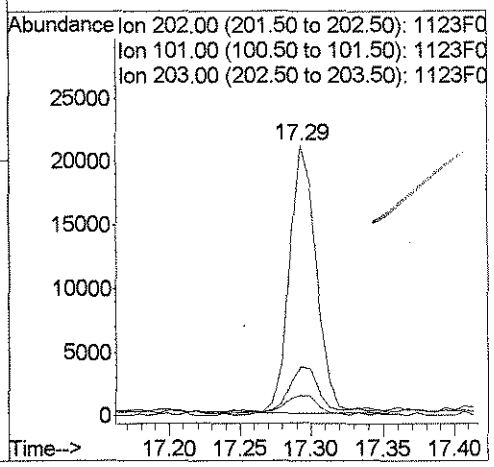


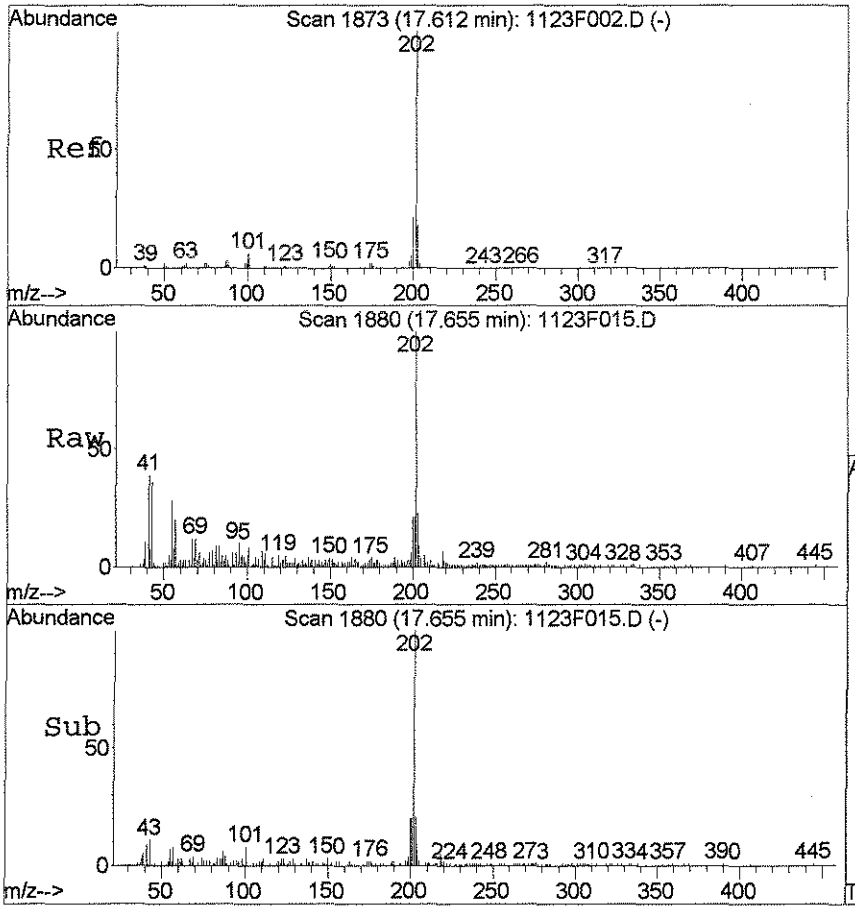


#69
Fluoranthene
Concen: 119.59 ng/ml
RT: 17.29 min Scan# 1826
Delta R.T. -0.04 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:202 Resp: 28177

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	36.1
203	16.9	0.0	47.2

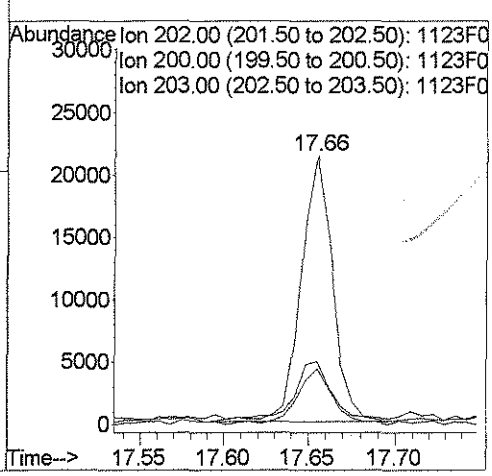


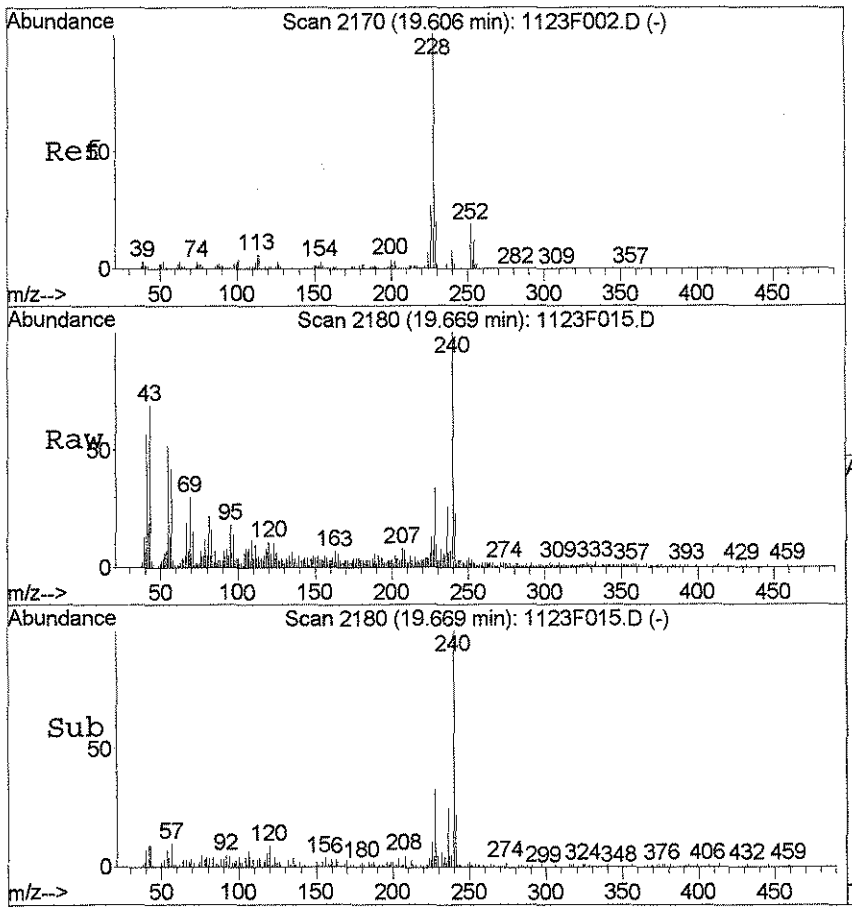


#72
Pyrene
Concen: 111.71 ng/ml
RT: 17.66 min Scan# 1880
Delta R.T. -0.04 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:202 Resp: 27457

Ion	Ratio	Lower	Upper
202	100		
200	20.8	0.0	51.0
203	21.4	0.0	47.0

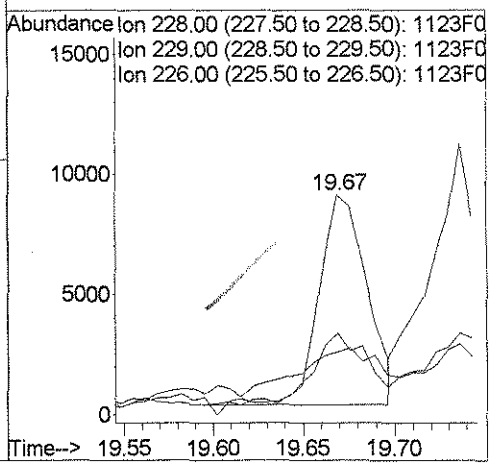


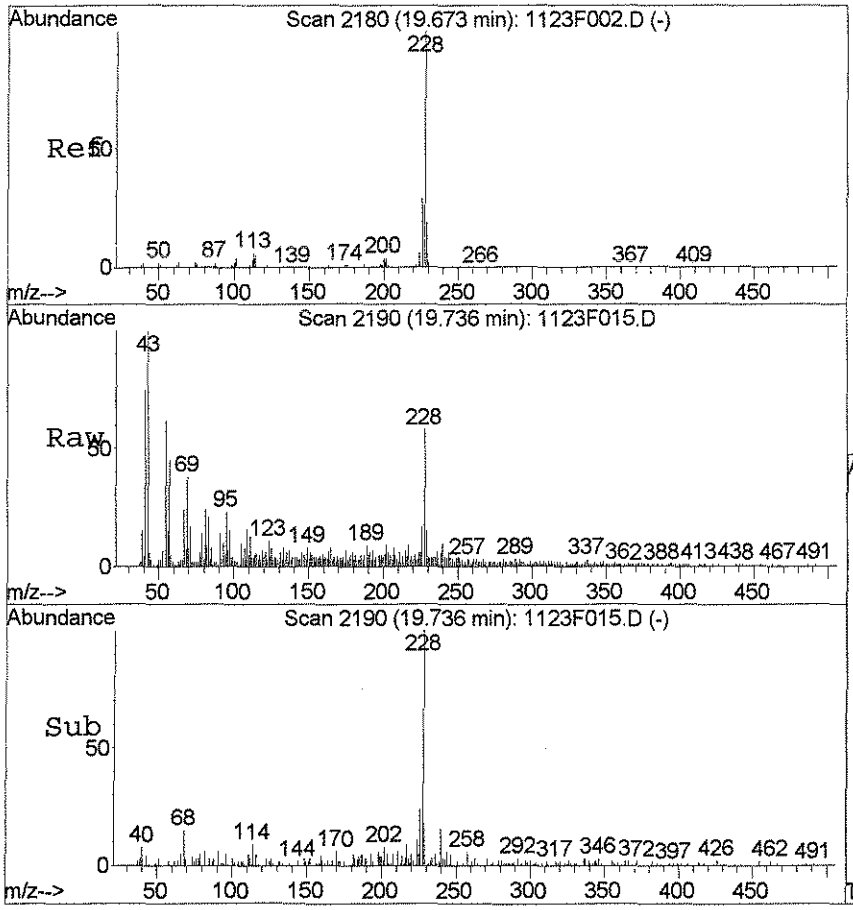


#76
Benz(a)anthracene
Concen: 67.33 ng/ml
RT: 19.67 min Scan# 2180
Delta R.T. -0.03 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:228 Resp: 15885

Ion	Ratio	Lower	Upper
228	100		
229	19.9	0.0	49.4
226	30.5	0.0	57.7

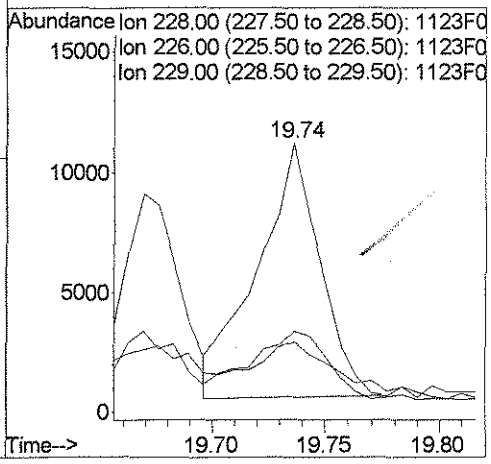


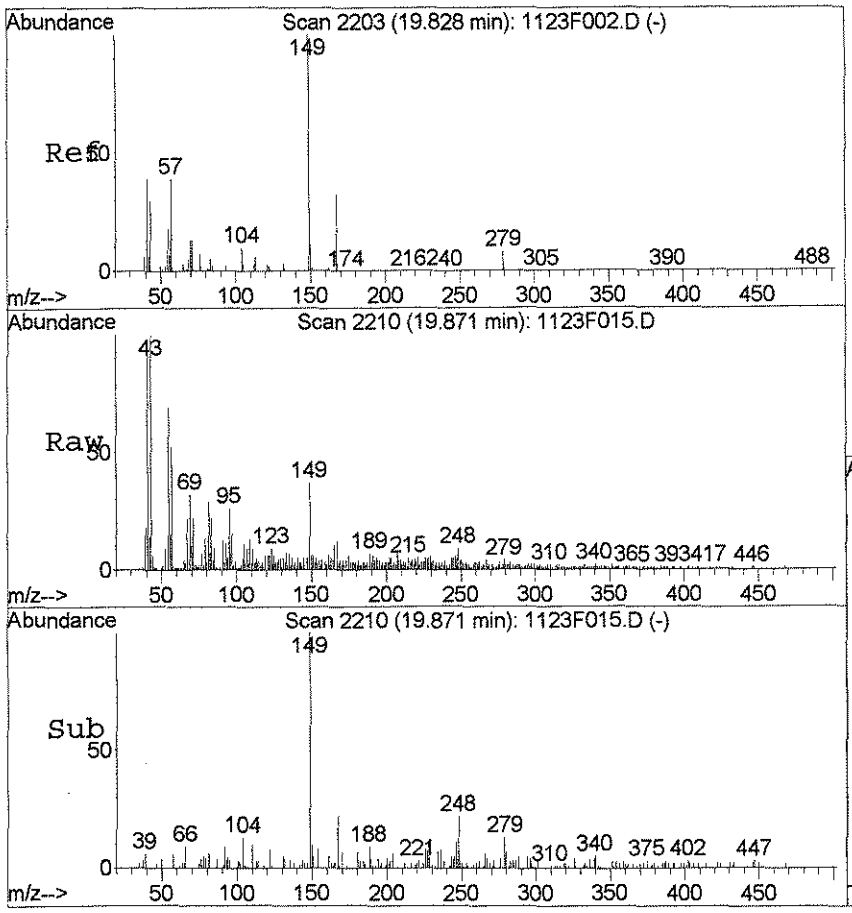


#77
Chrysene
Concen: 86.96 ng/ml
RT: 19.74 min Scan# 2190
Delta R.T. -0.04 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:228 Resp: 20455

Ion	Ratio	Lower	Upper
228	100		
226	26.0	0.0	58.9
229	19.5	0.0	49.4

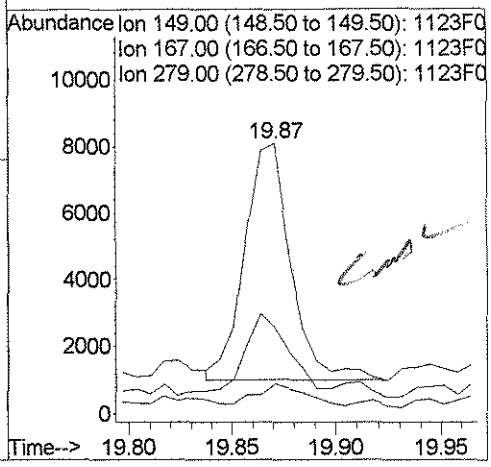


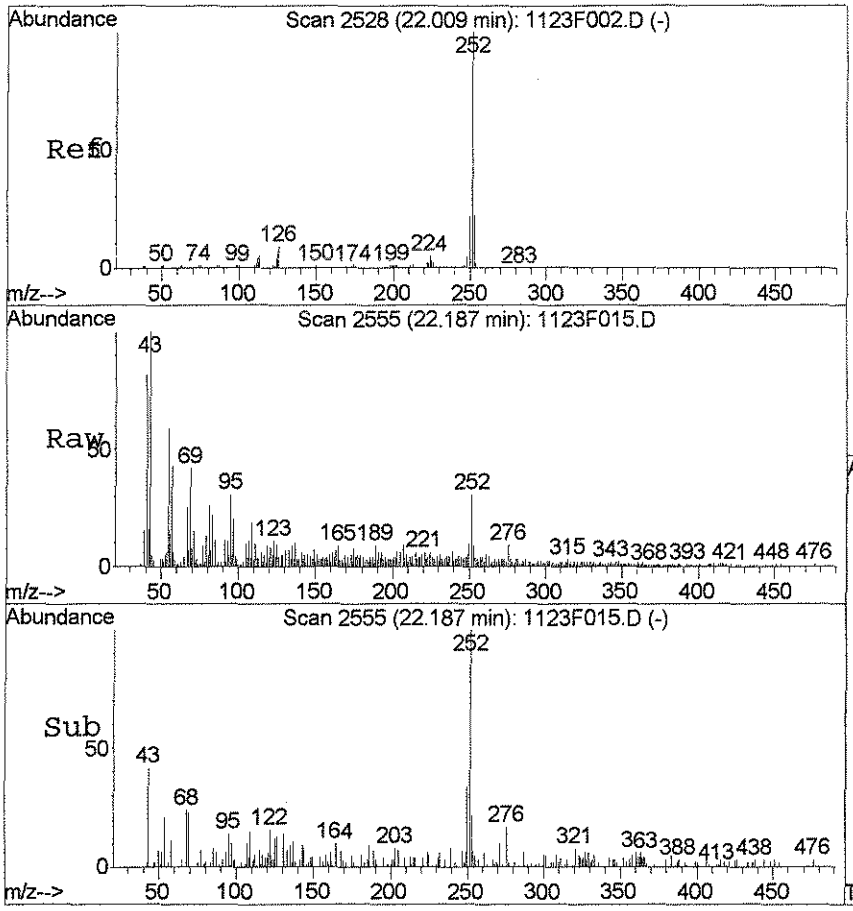


#78
Bis(2-ethylhexyl) Phthalate
Concen: 77.29 ng/ml
RT: 19.87 min Scan# 2210
Delta R.T. -0.07 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:149 Resp: 11006

Ion	Ratio	Lower	Upper
149	100		
167	28.9	2.1	62.1
279	9.2	0.0	39.6

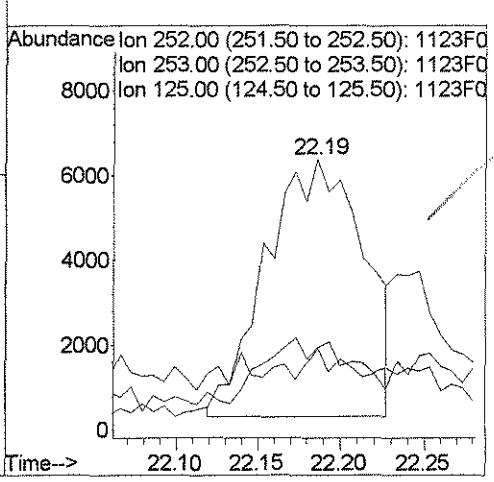


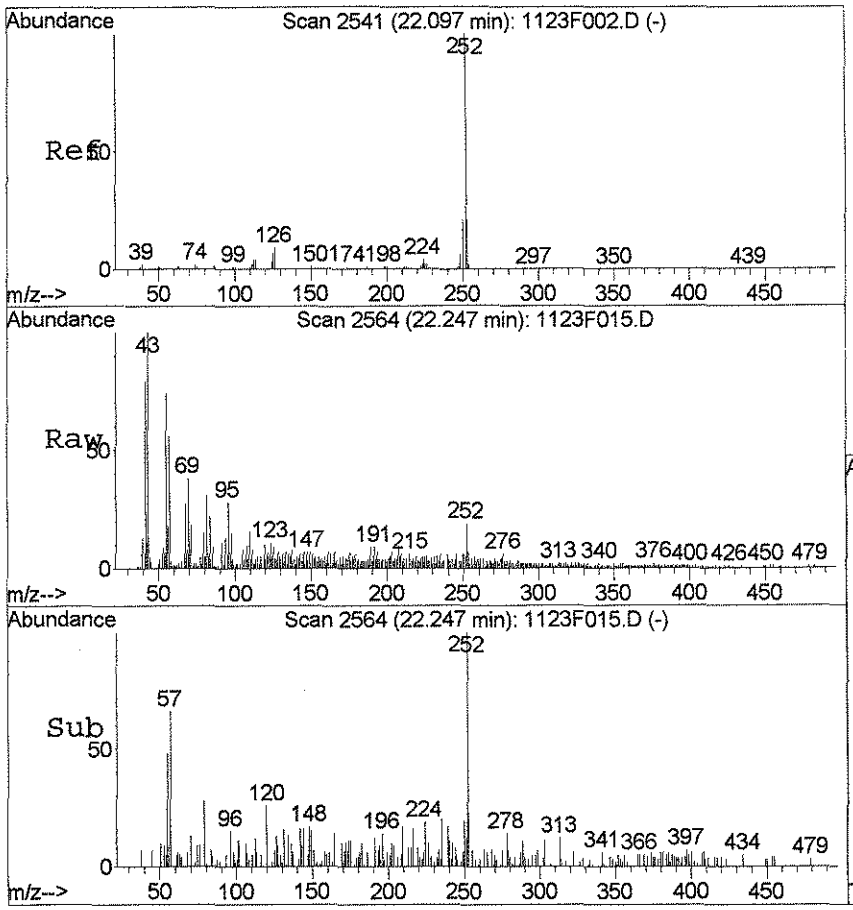


#81
Benzo(b)fluoranthene
Concen: 107.46 ng/ml m
RT: 22.19 min Scan# 2555
Delta R.T. 0.02 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:252 Resp: 24767

Ion	Ratio	Lower	Upper
252	100		
253	30.6	0.0	51.0
125	30.1	0.0	36.4

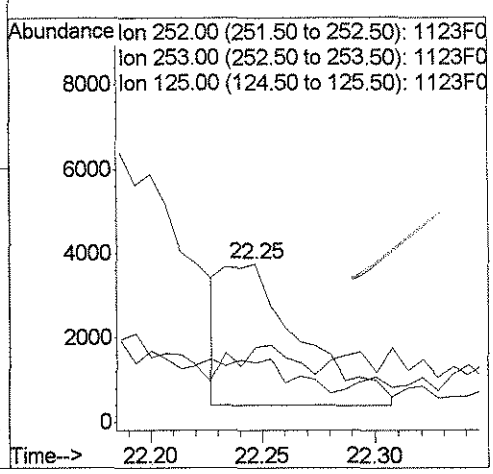


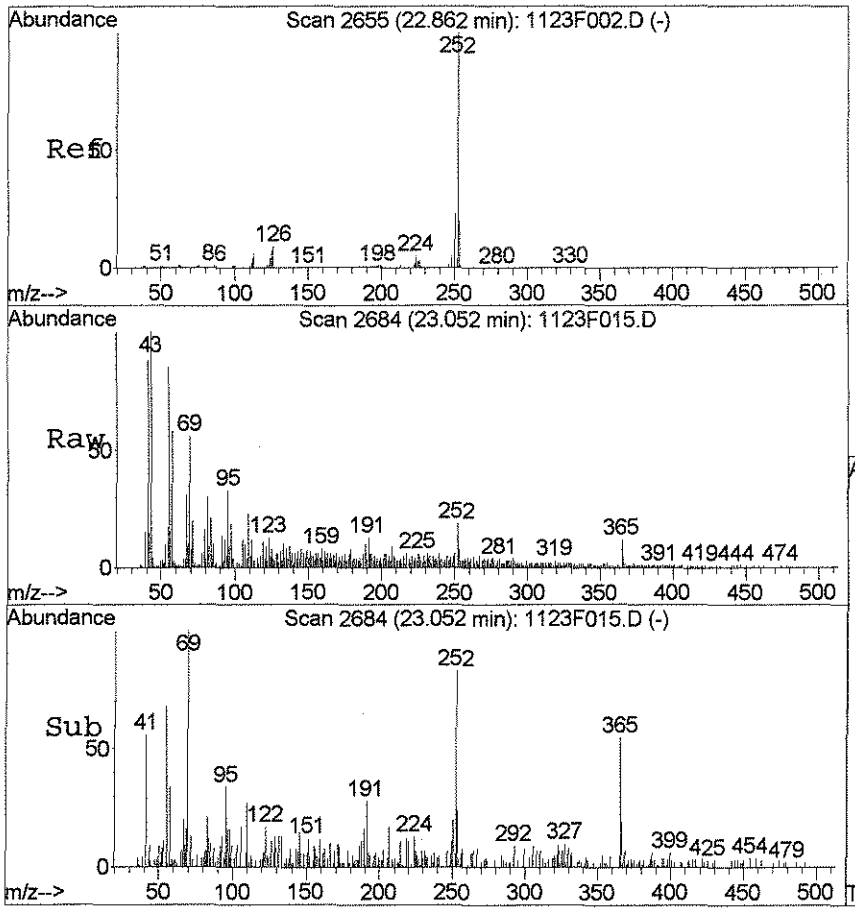


#82
Benzo(k)fluoranthene
Concen: 33.17 ng/ml m
RT: 22.25 min Scan# 2564
Delta R.T. 0.00 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:252 Resp: 8110

Ion	Ratio	Lower	Upper
252	100		
253	37.4	0.0	51.3
125	47.1	0.0	36.2#

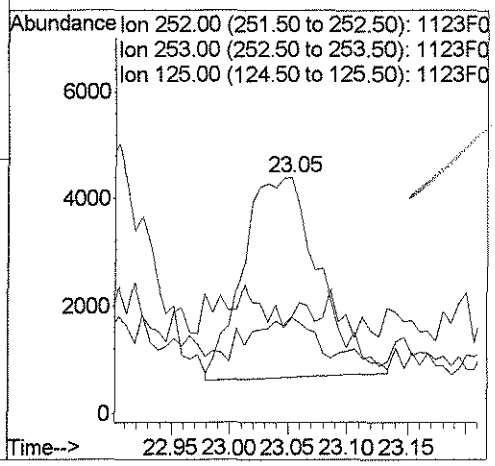


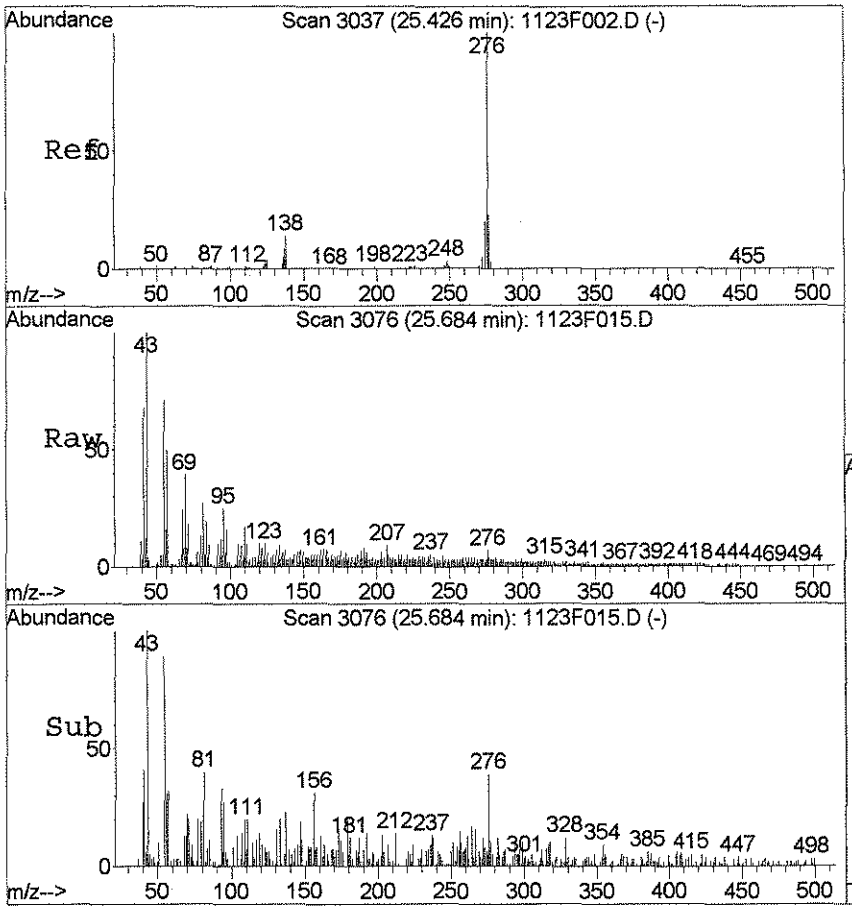


#83
Benzo(a)pyrene
Concen: 86.54 ng/ml
RT: 23.05 min Scan# 2684
Delta R.T. 0.04 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:252 Resp: 16699

Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	50.3
125	0.0	0.0	37.0

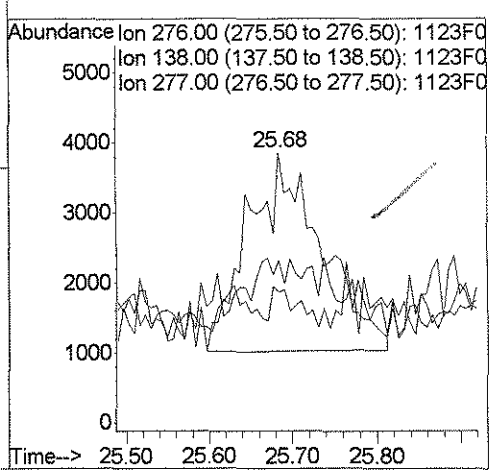


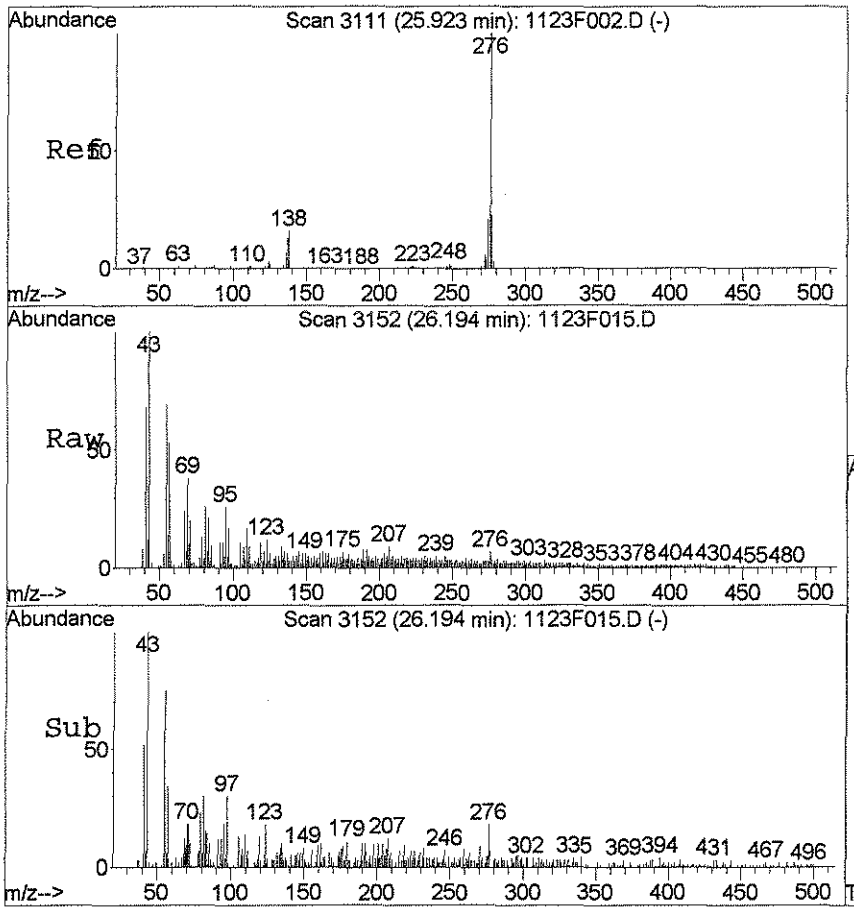


#84
Indeno(1,2,3-cd)pyrene
Concen: 102.59 ng/ml m
RT: 25.68 min Scan# 3076
Delta R.T. 0.14 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:276 Resp: 17838

Ion	Ratio	Lower	Upper
276	100		
138	48.4	0.0	44.3#
277	60.0	0.0	53.0#

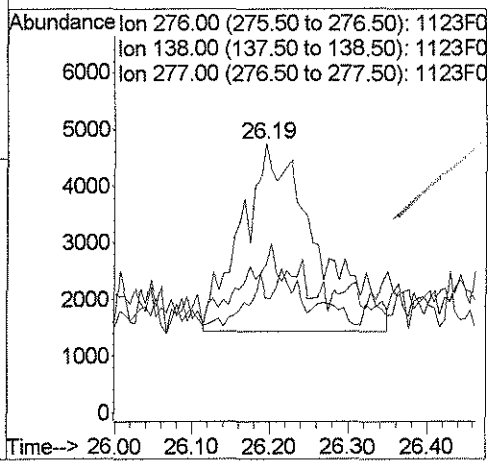




#86
Benzo(g,h,i)perylene
Concen: 114.31 ng/ml m
RT: 26.19 min Scan# 3152
Delta R.T. 0.14 min
Lab File: 1123F015.D
Acq: 23 Nov 2010 9:55 pm

Tgt Ion:276 Resp: 21894

Ion	Ratio	Lower	Upper
276	100		
138	42.7	0.0	44.2
277	55.2	0.0	52.7#

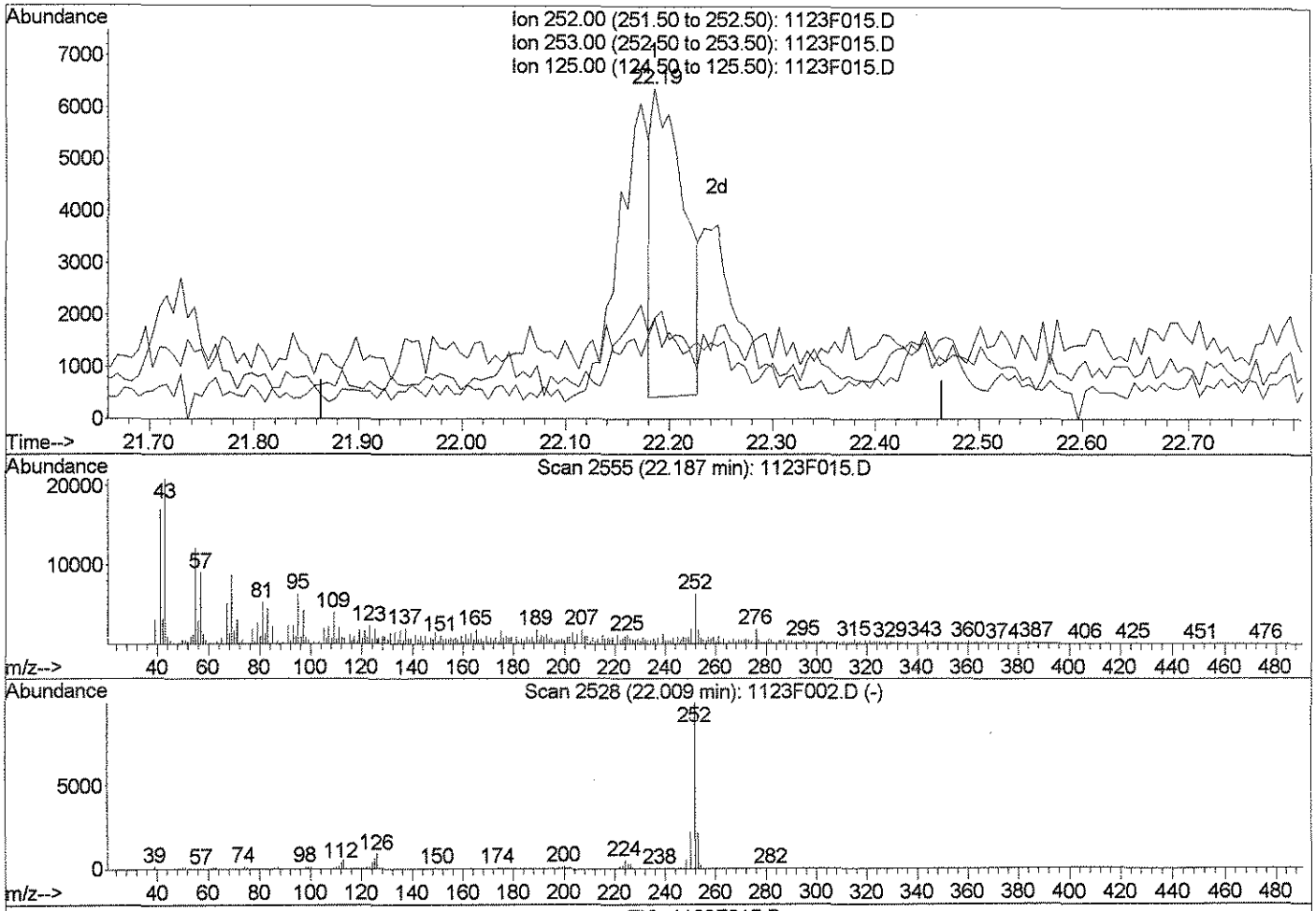


Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F015.D
Acq On : 23 Nov 2010 9:55 pm
Sample : K1012914-019 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(81) Benzo(b)fluoranthene (T)

22.19min 54.44ng/ml

response 12547

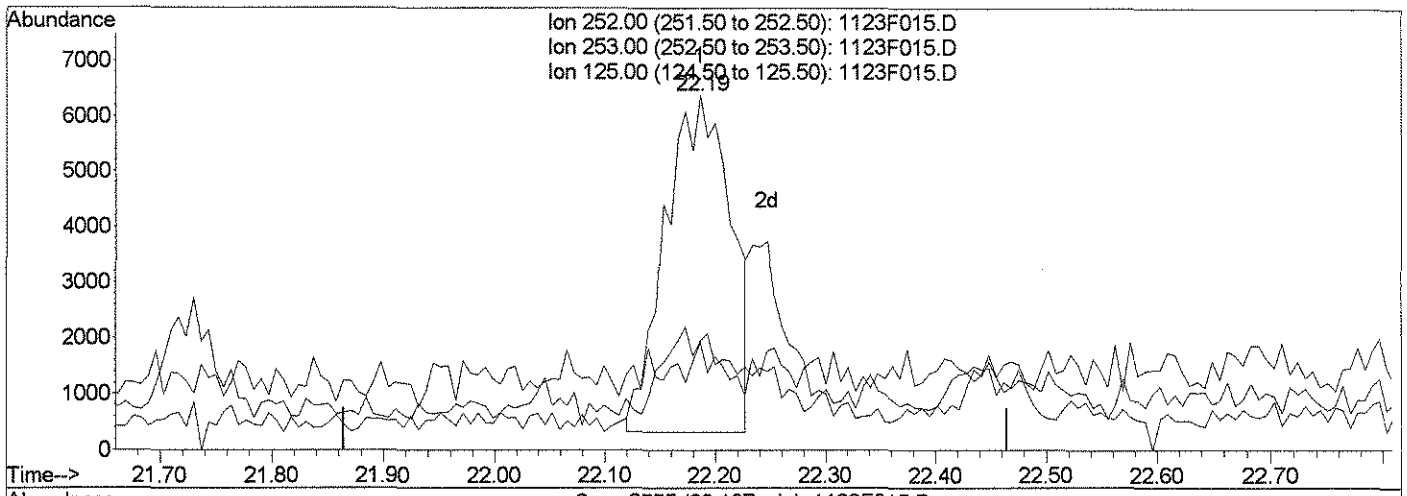
Ion	Exp%	Act%
252.00	100	100
253.00	21.00	15.71
125.00	6.40	31.85
0.00	0.00	0.00

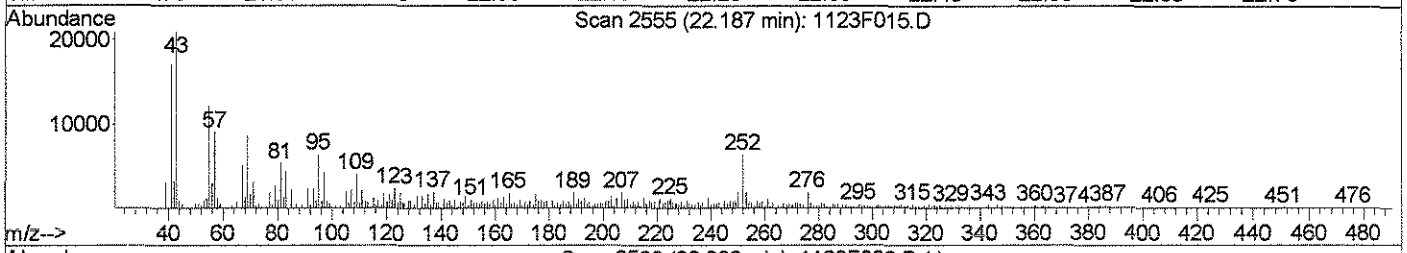
Quantitation Report (Qedit)

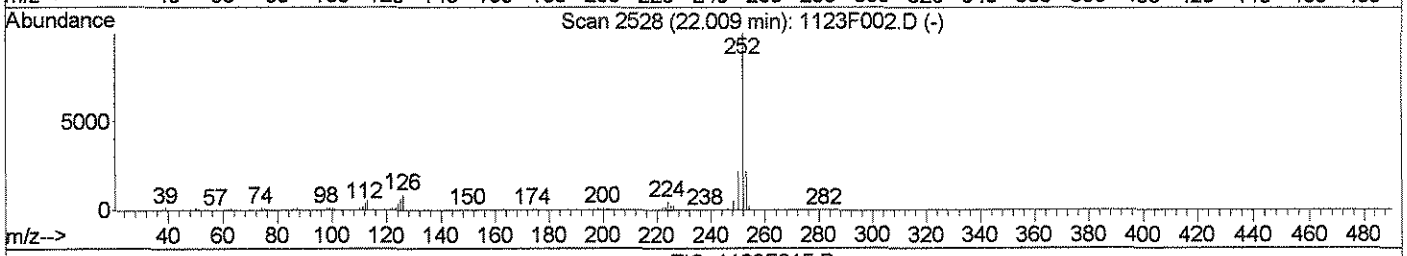
Data File : J:\MS06\DATA\112310\1123F015.D
Acq On : 23 Nov 2010 9:55 pm
Sample : K1012914-019 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F015.D

(81) Benzo(b)fluoranthene (T)

22.19min 107.46ng/ml m

response 24767

Ion	Exp%	Act%
252.00	100	100
253.00	21.00	30.58
125.00	6.40	30.13
0.00	0.00	0.00

1c
LB 11/24/10

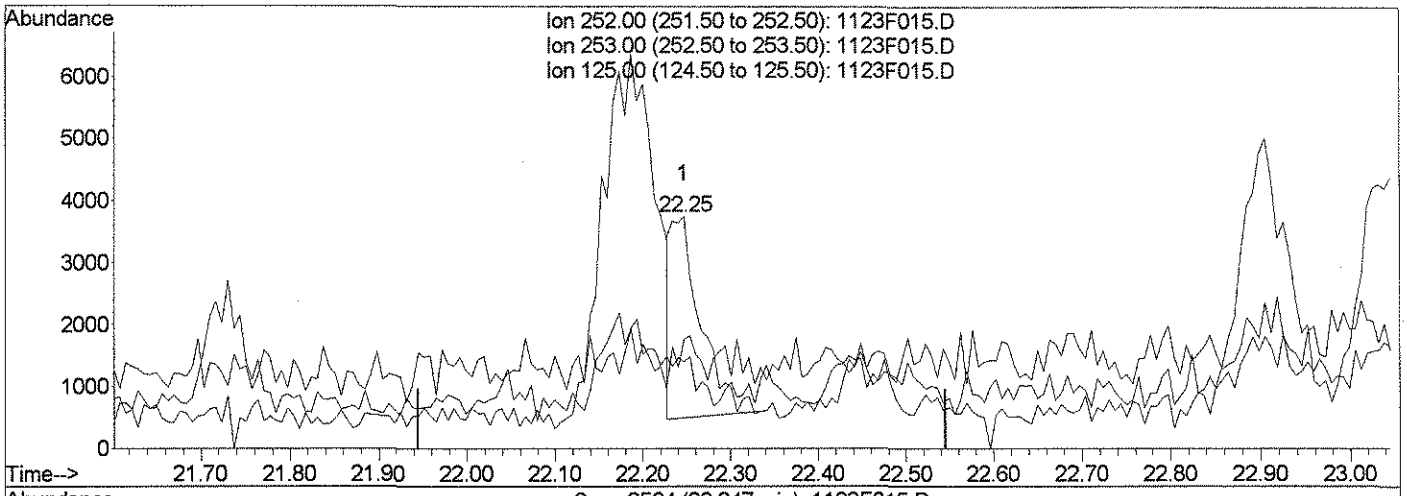
1123F015.D 111510_BNLL.M Wed Nov 24 08:56:43 2010

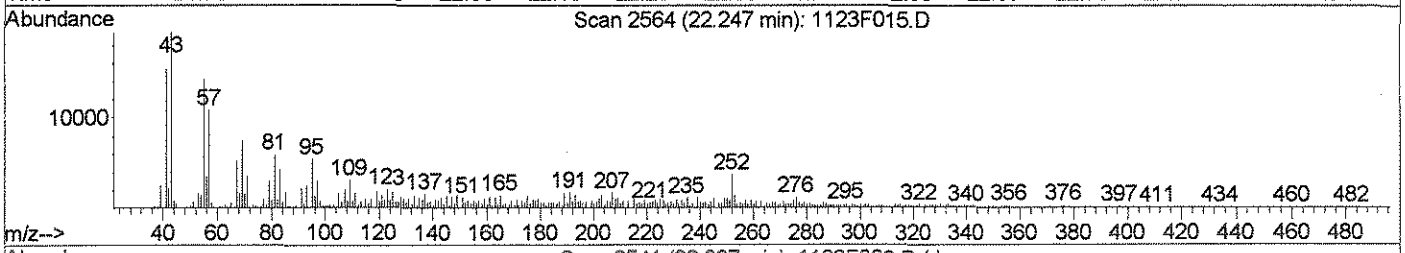
Quantitation Report (Qedit)

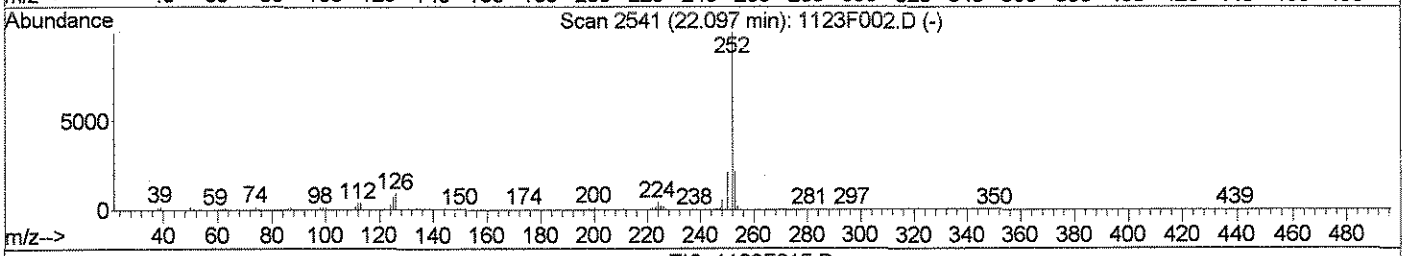
Data File : J:\MS06\DATA\112310\1123F015.D
Acq On : 23 Nov 2010 9:55 pm
Sample : K1012914-019 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F015.D

(82) Benzo(k)fluoranthene (T)

22.25min 31.55ng/ml

response 7713

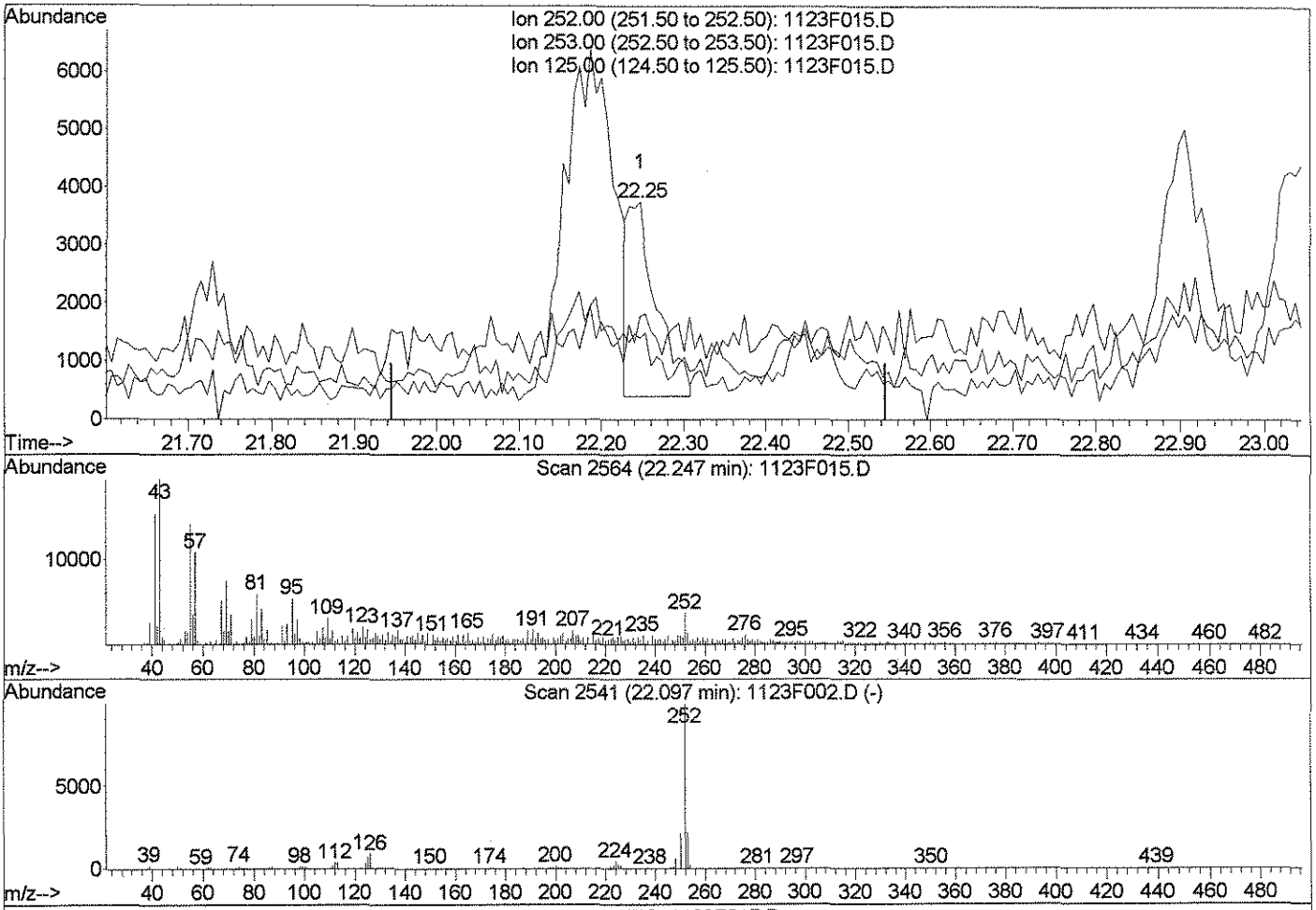
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	8.96
125.00	6.20	25.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F015.D
Acq On : 23 Nov 2010 9:55 pm
Sample : K1012914-019 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(82) Benzo(k)fluoranthene (T)

22.25min 33.17ng/ml m

response 8110

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	37.41
125.00	6.20	47.12#
0.00	0.00	0.00

BL
LB 11/24/10

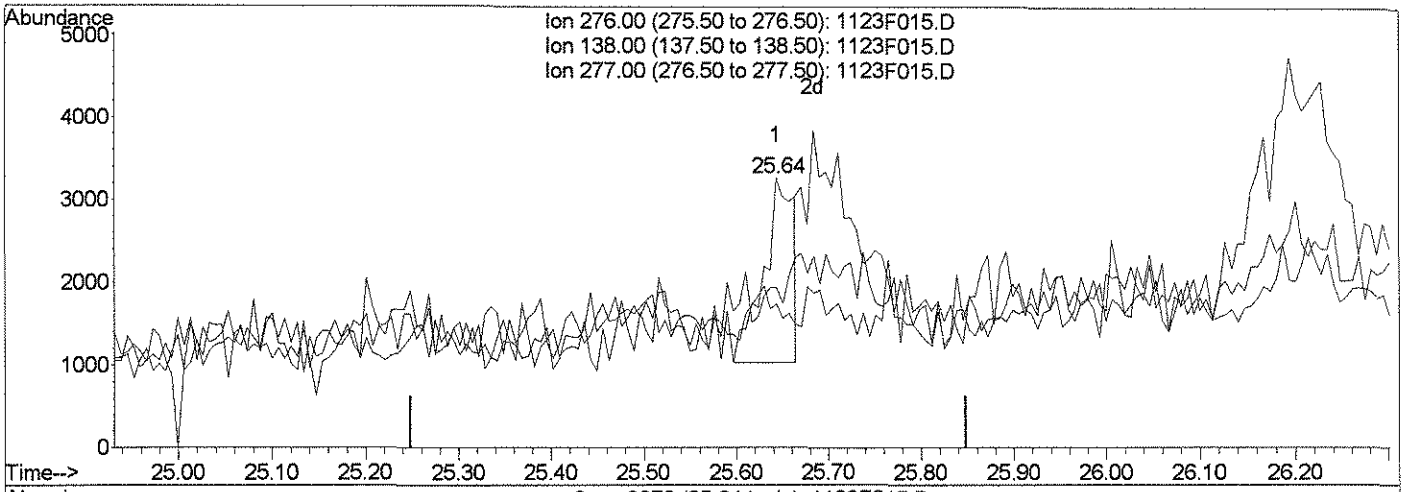
Quantitation Report (Qedit)

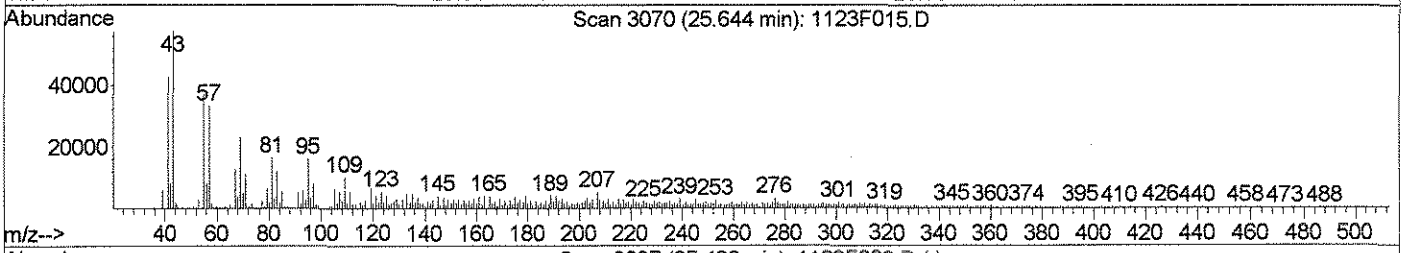
Data File : J:\MS06\DATA\112310\1123F015.D
Acq On : 23 Nov 2010 9:55 pm
Sample : K1012914-019 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:56 2010

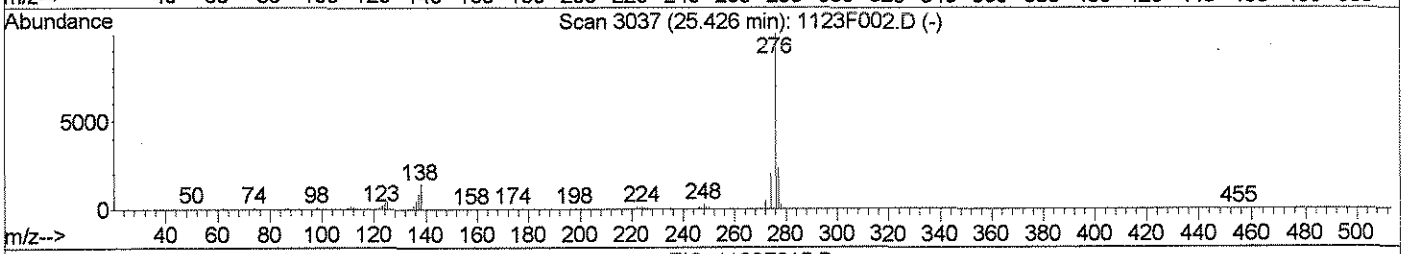
Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F015.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.64min 29.28ng/ml

response 5092

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	16.52
277.00	23.00	12.62
0.00	0.00	0.00

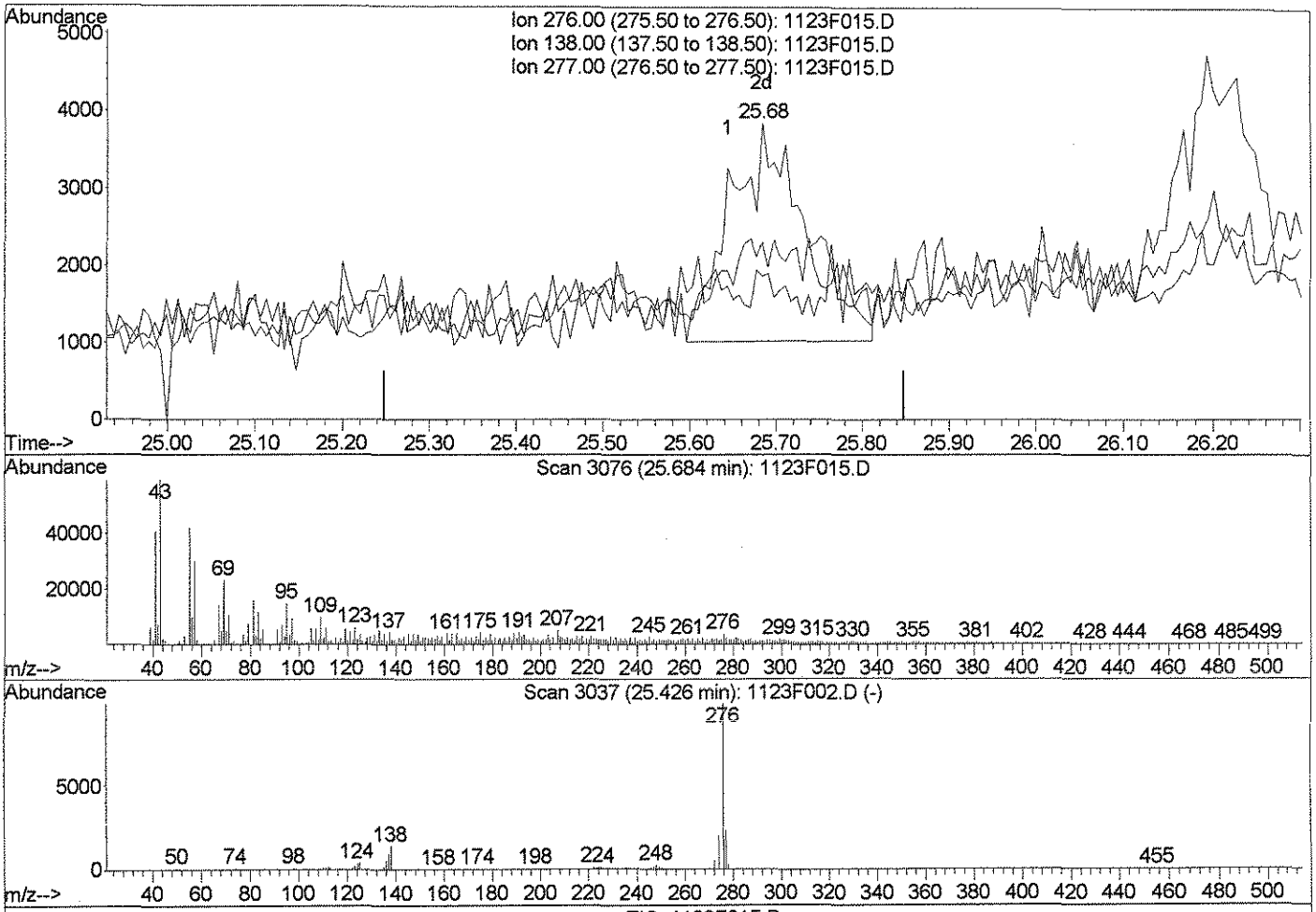
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F015.D
Acq On : 23 Nov 2010 9:55 pm
Sample : K1012914-019 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:57 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 10.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(84) Indeno(1,2,3-cd)pyrene (T)

25.68min 102.59ng/ml m

response 17838

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	48.39#
277.00	23.00	59.99#
0.00	0.00	0.00

1c
LB 11/24/10
a

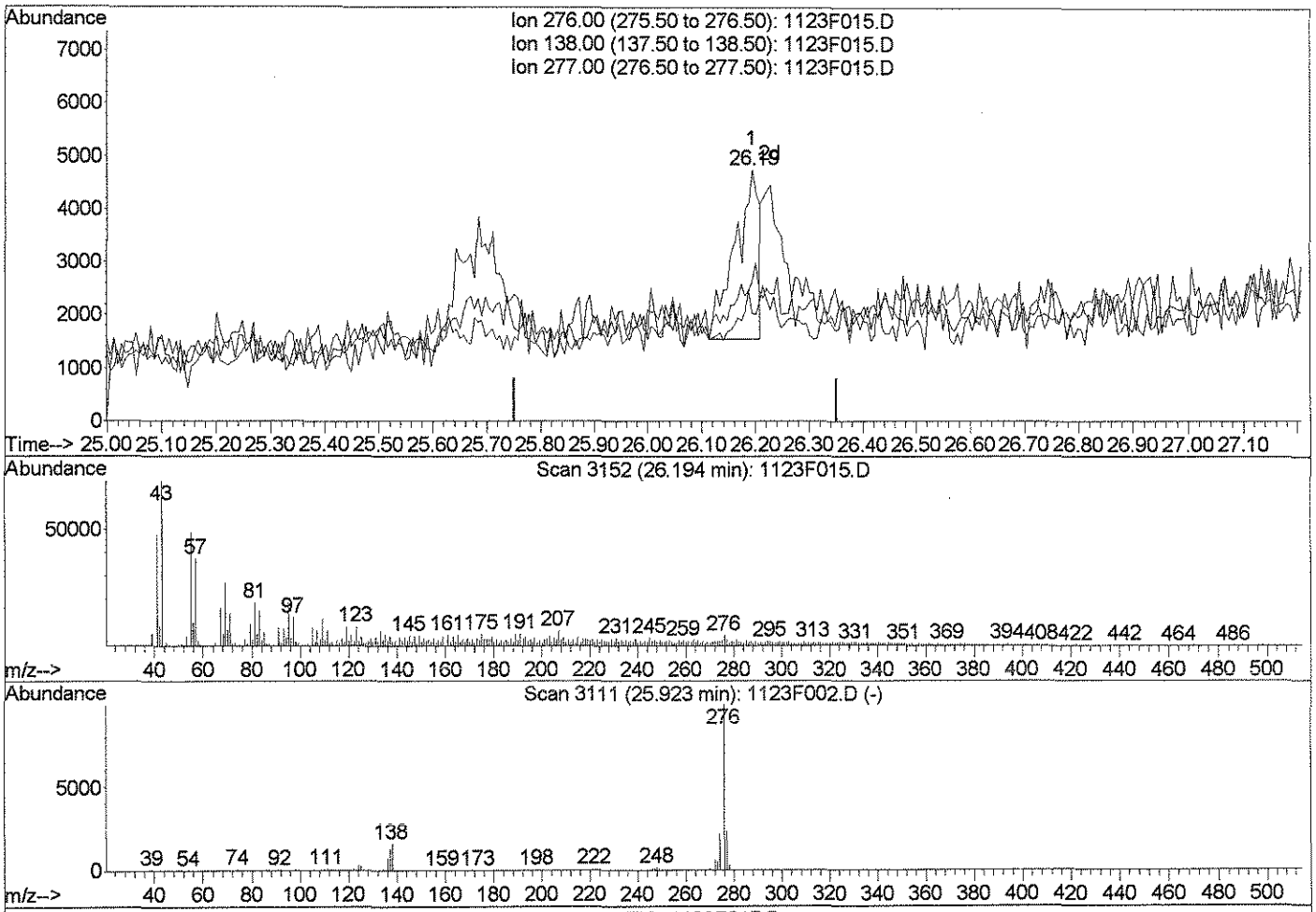
1123F015.D 111510_BNLL.M Wed Nov 24 08:57:08 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F015.D
Acq On : 23 Nov 2010 9:55 pm
Sample : K1012914-019 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:57 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(86) Benzo(g,h,i)perylene (T)

26.19min 51.17ng/ml

response 9800

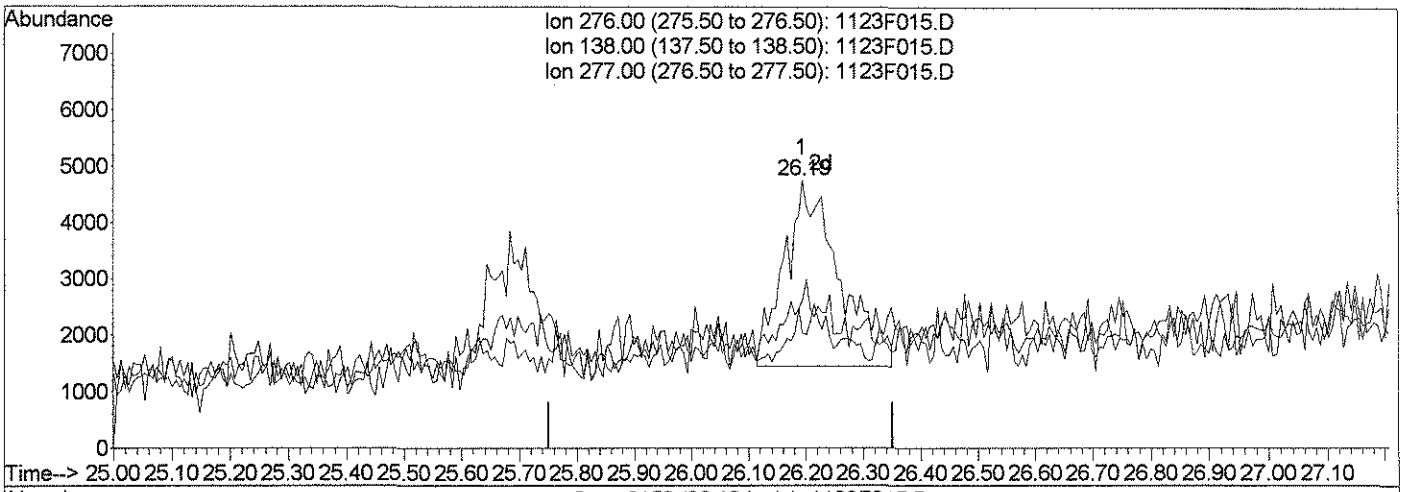
Ion	Exp%	Act%
276.00	100	100
138.00	14.20	15.27
277.00	22.70	32.59
0.00	0.00	0.00

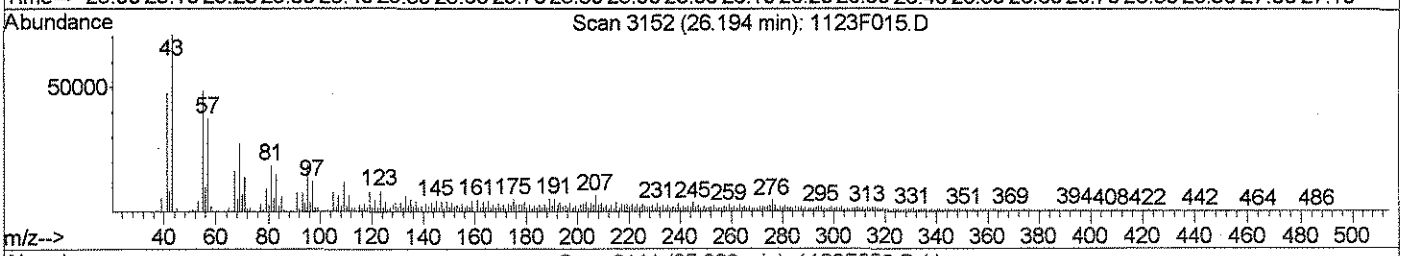
Quantitation Report (Qedit)

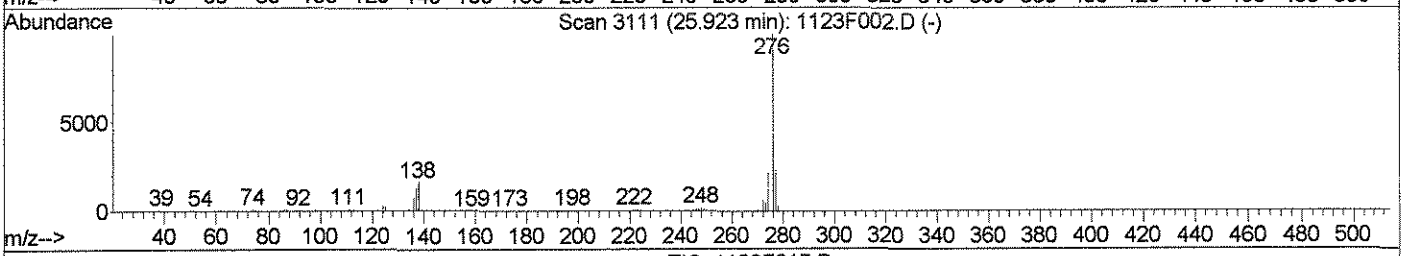
Data File : J:\MS06\DATA\112310\1123F015.D
Acq On : 23 Nov 2010 9:55 pm
Sample : K1012914-019 10X
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:57 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 10.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F015.D

(86) Benzo(g,h,i)perylene (T)

26.19min 114.31ng/ml m

response 21894

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	42.71
277.00	22.70	55.21#
0.00	0.00	0.00

1c
LB 11/24/10

1123F015.D 111510_BNLL.M Wed Nov 24 08:57:17 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1012700-5

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	99	99	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	25	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	5.0	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	**2.1**	J	15	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	5.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	5.0	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	5.0	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	5.0	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	5.0	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	5.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	25	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	5.0	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	5.0	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	5.0	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	29	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	5.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	ND	U	5.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	5.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	99	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	50	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	5.0	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	5.0	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	50	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	5.0	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1012700-5

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	5.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	50	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	9.9	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	5.0	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	50	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	ND	U	5.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	50	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	5.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	ND	U	5.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	ND	U	5.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	59	11-80	11/23/10	Acceptable
Phenol-d6	77	20-86	11/23/10	Acceptable
Nitrobenzene-d5	71	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	71	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	76	10-119	11/23/10	Acceptable
Terphenyl-d14	103	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012700-5	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F003.D
Lab ID: KWG1012700-5
RunType: MB
Matrix: SEDIMENT

Date Acquired: 11/23/2010 14:23
Date Quantitated: 11/24/2010 08:27
Batch ID: KWG1012886
Analysis Method: 8270C
MethodJoinID: MJ142

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

K12914

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Std MRL Unsupported by ICAL	2,3,4,6-Tetrachlorophenol	25	5.0	NA	NT

Primary Review: LB 11/24/10

Secondary Review: 11/24/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/23/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979846	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:			
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:		**Quant based on Method**	

Data File:	J:\MS06\DATA\112310\1123F003.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 14:23	**Quant Date:**	11/24/2010 08:27	**Vial:**	3
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG1012700-5			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.19	0.00	152	80110	1,000.00	OK
2	Naphthalene-d8	10.07	0.00	136	255624	1,000.00	OK
3	Acenaphthene-d10	12.87	0.00	164	128629	1,000.00	OK
4	Phenanthrene-d10	15.28	0.00	188	244044	1,000.00	OK
5	Chrysene-d12	19.61	-0.01	240	275069	1,000.00	OK
6	Perylene-d12	23.00	0.00	264	245532	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	2-Fluorophenol	6.57	0.01	0.00	112	175780	2,219	59	11-80	OK	
1	Phenol-d6	7.76	0.01	0.00	99	269376	2,897	77	20-86	OK	
1	Nitrobenzene-d5	9.00	0.00	0.00	82	186185	1,765	71	27-91	OK	
3	2-Fluorobiphenyl	11.83	0.00	0.00	172	375695	1,777	71	25-97	OK	
4	2,4,6-Tribromophenol	14.17	0.00	0.00	330	121833	2,859	76	10-119	OK	
5	Terphenyl-d14	17.94	0.01	0.00	244	559699	2,579	103	33-129	OK	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		6.1	U	
1	Pyridine				79	0d		50	U	
1	Bis(2-chloroethyl) Ether				93	0d		1.9	U	
1	Phenol	7.77		0.00	94	4284	41.82	2.06	J	
1	Aniline				93	0d		1.5	U	
1	2-Chlorophenol				128	0		2.0	U	
1	1,3-Dichlorobenzene				146	0		3.0	U	
1	1,4-Dichlorobenzene				146	0		2.9	U	
1	1,2-Dichlorobenzene				146	0		2.9	U	
1	Benzyl Alcohol	8.45	0.02	0.00	108	2106	44.46	2.19	J	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F003.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 14:23	**Quant Date:**	11/24/2010 08:27	**Vial:**	3
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG1012700-5			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bis(2-chloroisopropyl) Ether				45	0**d**		2.6	U	
1	2-Methylphenol				107	0**d**		1.5	U	
1	Acetophenone	8.81	0.02	0.00	105	6464**m**	57.65	12	U	
1	Hexachloroethane				117	0		3.1	U	
1	N-Nitrosodi-n-propylamine				70	0**d**		2.4	U	
1	4-Methylphenol				107	0		1.5	U	
1	Nitrobenzene				77	0**d**		2.2	U	
2	Isophorone				82	0**d**		1.0	U	
2	2-Nitrophenol				139	0		1.5	U	
2	2,4-Dimethylphenol				122	0		5.5	U	
2	Bis(2-chloroethoxy)methane				93	0**d**		1.5	U	
2	2,4-Dichlorophenol				162	0		1.0	U	
2	Benzoic Acid				122	0		96	U	
2	1,2,4-Trichlorobenzene				180	0		2.6	U	
2	Naphthalene	10.10	-0.01	0.00	128	1770	6.95	2.3	U	
2	4-Chloroaniline				127	0		1.9	U	
2	Hexachlorobutadiene				225	0		2.5	U	
2	4-Chloro-3-methylphenol				107	0**d**		1.4	U	
2	2-Methylnaphthalene				141	0		2.2	U	
2	1-Methylnaphthalene				141	0		2.2	U	
3	Hexachlorocyclopentadiene				237	0		29	U	
3	2,4,6-Trichlorophenol				196	0		1.4	U	
3	2,4,5-Trichlorophenol				196	0		1.5	U	
3	2-Chloronaphthalene				127	0**d**		1.6	U	
3	2-Nitroaniline				65	0**d**		3.2	U	
3	Acenaphthylene				152	0**d**		1.2	U	
3	Dimethyl Phthalate	12.52	-0.01	0.00	163	2575	12.89	1.0	U	
3	2,6-Dinitrotoluene				165	0**d**		2.0	U	
3	Acenaphthene				154	0**d**		1.4	U	
3	3-Nitroaniline				138	0		2.5	U	
3	2,4-Dinitrophenol				184	0		17	U	
3	Dibenzofuran	13.21	-0.01	0.00	168	1156	4.95	1.2	U	
3	4-Nitrophenol				109	0		18	U	
3	2,4-Dinitrotoluene				165	0		1.5	U	
3	2,3,4,6-Tetrachlorophenol				232	0		1.7	U	
3	Fluorene	13.77		0.00	166	1168	6.40	1.1	U	
3	4-Chlorophenyl Phenyl Ether				204	0		1.4	U	
3	Diethyl Phthalate	13.68	-0.01	0.00	149	4724	22.29	1.3	U	
3	4-Nitroaniline				138	0		1.8	U	
3	2-Methyl-4,6-dinitrophenol				198	0		1.4	U	
3	N-Nitrosodiphenylamine	14.02	0.01	0.00	169	879	6.68	1.6	U	
3	Azobenzene				77	0**d**		1.1	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F003.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 14:23	**Quant Date:**	11/24/2010 08:27	**Vial:**	3
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG1012700-5			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
4	4-Bromophenyl Phenyl Ether				248	0		1.6	U	
4	Hexachlorobenzene				284	0		1.2	U	
4	Pentachlorophenol				266	0		20	U	
4	Phenanthrene	15.32		0.00	178	2106**m**	8.61	1.4	U	
4	Anthracene	15.40		0.00	178	1742	6.85	1.6	U	
4	Carbazole	15.70	-0.01	0.00	167	1606	7.23	1.3	U	
4	Di-n-butyl Phthalate	16.36		0.00	149	8472	27.30	7.9	U	
4	Fluoranthene	17.25		0.00	202	1780**m**	5.84	1.6	U	
5	Benzidine				184	0		99	U	
5	Pyrene	17.60	-0.01	0.00	202	1670	5.63	1.5	U	
5	Butyl Benzyl Phthalate	18.78		0.00	149	2661	20.55	3.2	U	
5	3,3'-Dichlorobenzidine				252	0**d**		3.7	U	
5	Benz(a)anthracene				228	0**d**		1.7	U	
5	Chrysene				228	0**d**		1.5	U	
5	Bis(2-ethylhexyl) Phthalate	19.83		0.00	149	6207	36.14	7.0	U	
6	Di-n-octyl Phthalate				149	0**d**		1.7	U	
6	Benzo(b)fluoranthene				252	0**d**		1.2	U	
6	Benzo(k)fluoranthene				252	0**d**		1.4	U	
6	Benzo(a)pyrene				252	0**d**		1.7	U	
6	Indeno(1,2,3-cd)pyrene				276	0		1.5	U	
6	Dibenz(a,h)anthracene				278	0		1.5	U	
6	Benzo(g,h,i)perylene				276	0**d**		1.5	U	
	Thiophenol				0	0		15	U	NR

Prep Amount:	40.684 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F003.D
Acq On : 23 Nov 2010 2:23 pm
Sample : KWG1012700-05 | MB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:10 2010

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	80110	1000.00	ng/ml	-0.08
22) Naphthalene-d8	10.07	136	255624	1000.00	ng/ml	-0.07
36) Acenaphthene-d10	12.87	164	128629	1000.00	ng/ml	-0.07
60) Phenanthrene-d10	15.28	188	244044	1000.00	ng/ml	-0.08
70) Chrysene-d12	19.61	240	275069	1000.00	ng/ml	-0.11
79) Perylene-d12	23.00	264	245532	1000.00	ng/ml	-0.15
System Monitoring Compounds						
4) 2-Fluorophenol	6.57	112	175780	2218.84	ng/ml	-0.07
Spiked Amount 3750.000	Range 38 - 110		Recovery = 59.17%			
6) Phenol-d6	7.76	99	269376	2897.29	ng/ml	-0.05
Spiked Amount 3750.000	Range 43 - 128		Recovery = 77.26%			
20) Nitrobenzene-d5	9.00	82	186185	1764.59	ng/ml	-0.07
Spiked Amount 2500.000	Range 30 - 139		Recovery = 70.58%			
40) 2-Fluorobiphenyl	11.83	172	375695	1776.55	ng/ml	-0.07
Spiked Amount 2500.000	Range 37 - 126		Recovery = 71.06%			
61) 2,4,6-Tribromophenol	14.17	330	121833	2858.60	ng/ml	-0.07
Spiked Amount 3750.000	Range 38 - 157		Recovery = 76.23%			
73) Terphenyl-d14	17.94	244	559699	2578.91	ng/ml	-0.08
Spiked Amount 2500.000	Range 54 - 158		Recovery = 103.16%			

Target Compounds						Qvalue
7) Phenol	7.77	94	4284	41.82	ng/ml#	1
13) Benzyl Alcohol	8.45	108	2106	44.46	ng/ml#	75
16) Acetophenone	8.81	105	6464m	57.65	ng/ml	
30) Naphthalene	10.10	128	1770	6.95	ng/ml	91
44) Dimethyl Phthalate	12.52	163	2575	12.89	ng/ml	80
49) Dibenzofuran	13.21	168	1156	4.95	ng/ml	96
53) Fluorene	13.77	166	1168	6.40	ng/ml	78
55) Diethyl Phthalate	13.68	149	4724	22.29	ng/ml	97
58) N-Nitrosodiphenylamine	14.02	169	879	6.68	ng/ml	75
65) Phenanthrene	15.32	178	2106m	8.61	ng/ml	
66) Anthracene	15.40	178	1742	6.85	ng/ml	79
67) Carbazole	15.70	167	1606	7.23	ng/ml	84
68) Di-n-butyl Phthalate	16.36	149	8472	27.30	ng/ml	94
69) Fluoranthene	17.25	202	1780m	5.84	ng/ml	
72) Pyrene	17.60	202	1670	5.63	ng/ml	83
74) Butyl Benzyl Phthalate	18.78	149	2661	20.55	ng/ml	83
78) Bis(2-ethylhexyl) Phthalat	19.83	149	6207	36.14	ng/ml	94

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

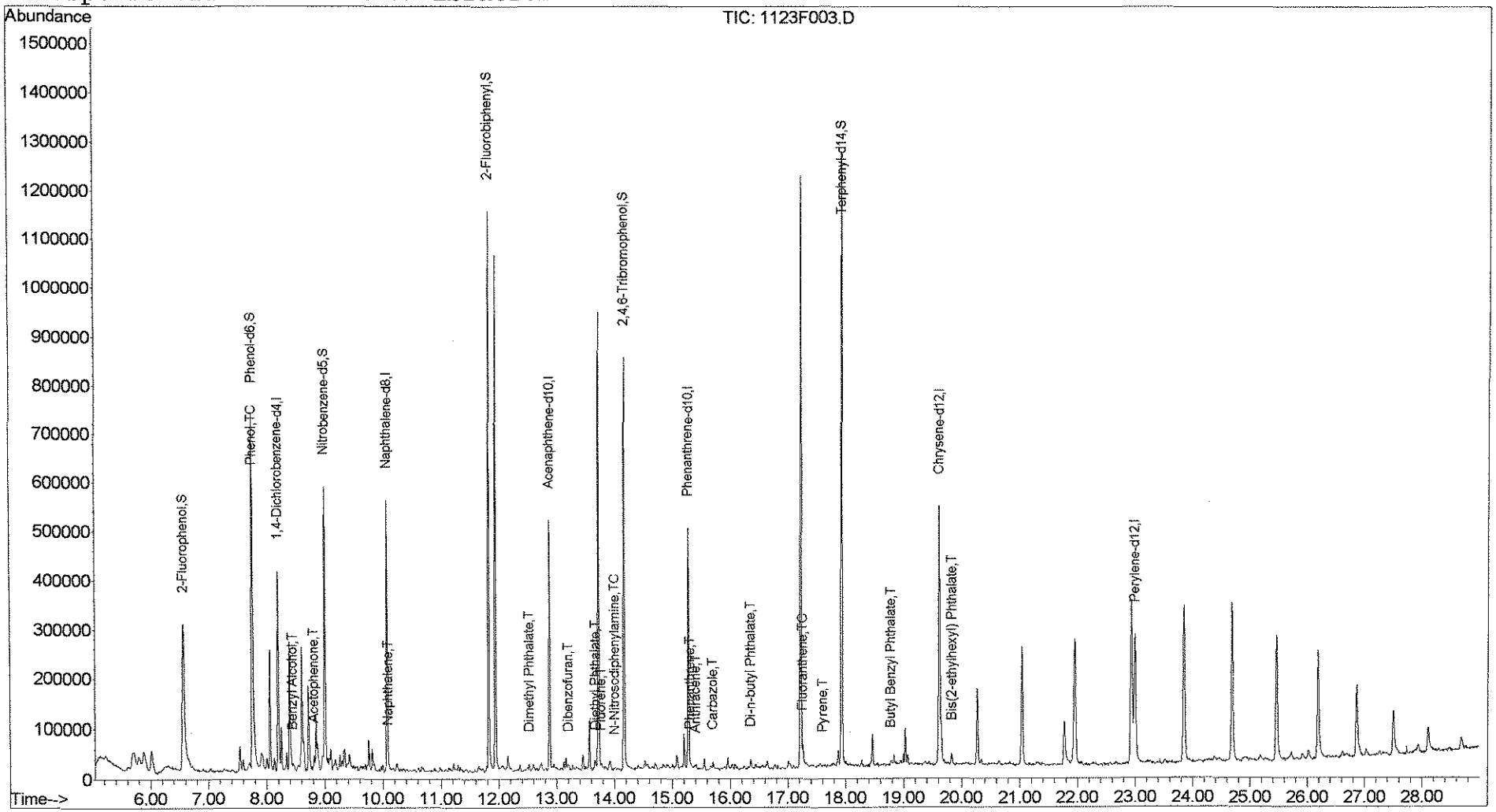
Quantitation Report (QT Reviewed)

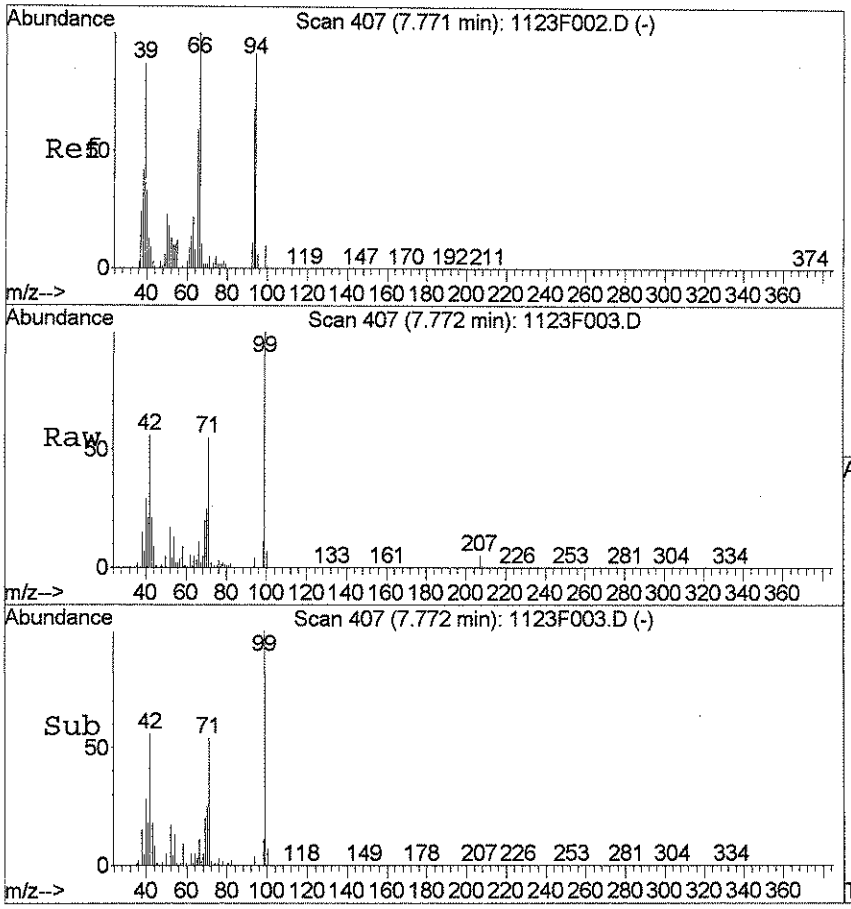
Data File : J:\MS06\DATA\112310\1123F003.D
Acq On : 23 Nov 2010 2:23 pm
Sample : KWG1012700-05 | MB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:27 2010

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration

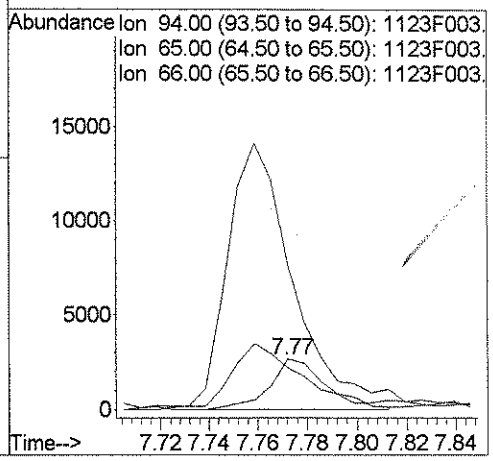


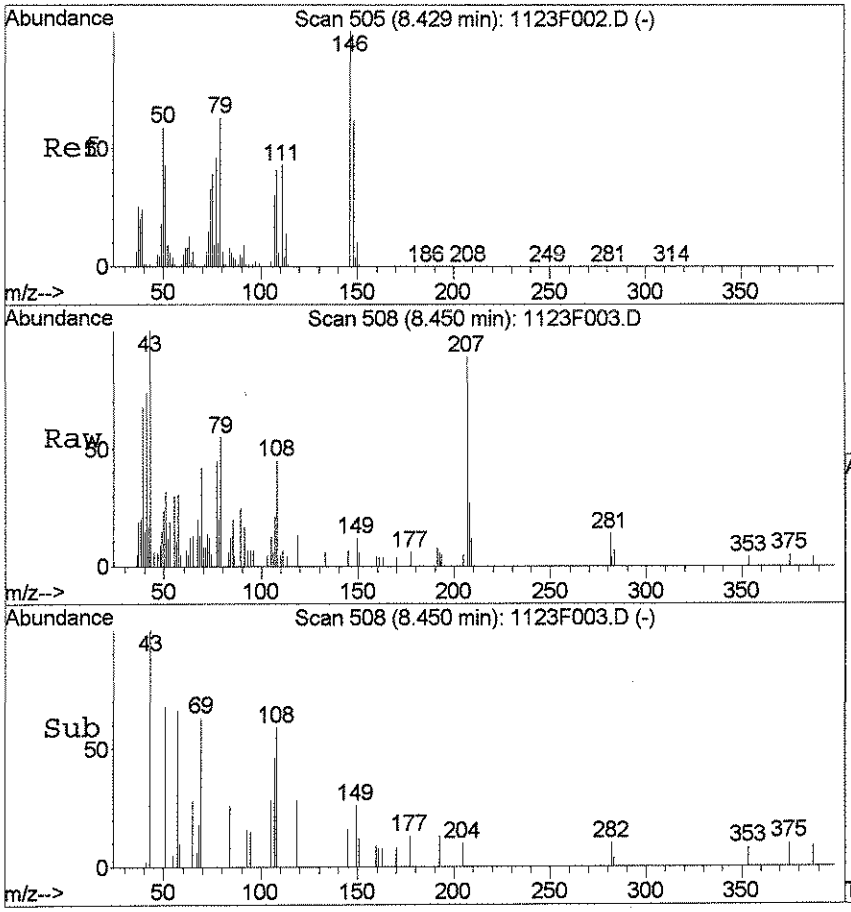


#7
Phenol
Concen: 41.82 ng/ml
RT: 7.77 min Scan# 407
Delta R.T. -0.05 min
Lab File: 1123F003.D
Acq: 23 Nov 2010 2:23 pm

Tgt Ion: 94 Resp: 4284

Ion	Ratio	Lower	Upper
94	100		
65	75.5	22.9	82.9
66	248.0	53.8	113.8#

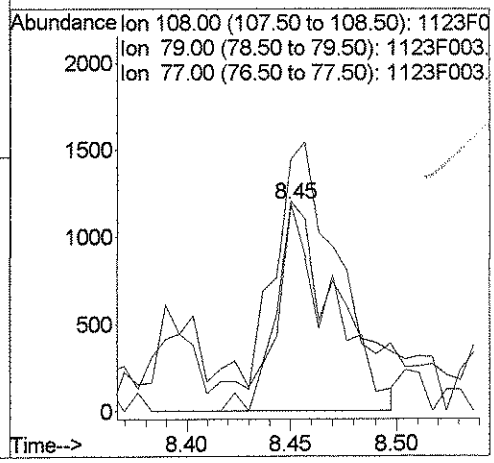




#13
Benzyl Alcohol
Concen: 44.46 ng/ml
RT: 8.45 min Scan# 508
Delta R.T. -0.05 min
Lab File: 1123F003.D
Acq: 23 Nov 2010 2:23 pm

Tgt Ion:108 Resp: 2106

Ion	Ratio	Lower	Upper
108	100		
79	113.0	121.8	181.8#
77	86.9	75.0	135.0



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010MS	**Units:**	ug/Kg
Lab Code:	KWG1012700-1	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	**139**		29	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	**106**		5.7	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	**86.6**		17	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	**89.7**		5.7	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	**97.1**		5.7	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	**98.8**		5.7	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	**103**		5.7	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	**98.8**		5.7	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	**102**		5.7	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	**102**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	**14.1**	J	29	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	**100**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	**93.7**		5.7	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	**99.7**		5.7	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	**92.2**		5.7	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	**78.4**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	**15.8**	J	29	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	**94.0**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	**110**		5.7	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**111**		5.7	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**138**		5.7	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	**117**		5.7	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**115**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	**17.7**	J	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	**75.1**		57	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	**111**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**116**		5.7	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	**110**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	**111**		5.7	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	**47.6**	J	57	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	**105**		5.7	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	**114**		5.7	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010MS	**Units:**	ug/Kg
Lab Code:	KWG1012700-1	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	**111**		5.7	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	**110**		5.7	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	**40.9**	J	57	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**168**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**126**		5.7	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	**118**		12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**268**		5.7	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**257**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	**122**		5.7	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	**36.4**	J	57	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**207**		5.7	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**208**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	**128**		57	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	**130**		5.7	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**239**		5.7	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**143**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**214**		5.7	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**226**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**143**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**184**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	54	11-80	11/23/10	Acceptable
Phenol-d6	63	20-86	11/23/10	Acceptable
Nitrobenzene-d5	70	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	72	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	63	10-119	11/23/10	Acceptable
Terphenyl-d14	87	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010MS	**Units:**	ug/Kg
Lab Code:	KWG1012700-1	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F009.D
Lab ID: KWG1012700-1 -- K1012914-010MS
RunType: MS
Matrix: SEDIMENT

Date Acquired: 11/23/2010 18:10
Date Quantitated: 11/24/2010 08:38
Batch ID: KWG1012886
Analysis Method: 8270C
MethodJoinID: MJ142

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Std MRL Unsupported by ICAL	2,3,4,6-Tetrachlorophenol	29	5.7	NA	NT

Primary Review: LB 11/24/10

Secondary Review: CA 11/29/10

Quantitation Report

Bottle ID:	03	**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/23/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979842	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:			
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Method**	

Data File:	J:\MS06\DATA\112310\1123F009.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 18:10	**Quant Date:**	11/24/2010 08:38	**Vial:**	9
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG1012700-1 -- K1012914-010MS			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.21	0.02	152	87679	1,000.00	OK
2	Naphthalene-d8	10.09	0.02	136	271209	1,000.00	OK
3	Acenaphthene-d10	12.90	0.03	164	135885	1,000.00	OK
4	Phenanthrene-d10	15.31	0.03	188	262541	1,000.00	OK
5	Chrysene-d12	19.68	0.06	240	298980	1,000.00	OK
6	Perylene-d12	23.16	0.16	264	268053	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	2-Fluorophenol	6.59	0.03	0.00	112	175183	2,020	54	11-80	OK	
1	Phenol-d6	7.79	0.04	0.00	99	239088	2,350	63	20-86	OK	
1	Nitrobenzene-d5	9.02	0.02	0.00	82	202646	1,755	70	27-91	OK	
3	2-Fluorobiphenyl	11.84	0.01	0.00	172	401095	1,795	72	25-97	OK	
4	2,4,6-Tribromophenol	14.19	0.02	0.00	330	109146	2,380	63	10-119	OK	
5	Terphenyl-d14	17.96	0.03	0.00	244	513556	2,177	87	33-129	OK	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine	5.33	0.02	0.00	42	336230	2,483	139		
1	Pyridine	5.33		0.00	79	253281m	2,748	154		
1	Bis(2-chloroethyl) Ether	7.87	0.01	0.00	93	154603	1,892	106		
1	Phenol	7.80	0.03	0.00	94	173169	1,545	86.6		
1	Aniline				93	0d		1.5	U	
1	2-Chlorophenol	7.94	0.02	0.00	128	163187	1,600	89.7		
1	1,3-Dichlorobenzene	8.13	0.02	0.00	146	204695	1,594	89.4		
1	1,4-Dichlorobenzene	8.24	0.02	0.00	146	213524	1,639	91.9		
1	1,2-Dichlorobenzene	8.45	0.02	0.00	146	199098	1,658	93.0		
1	Benzyl Alcohol	8.44	0.01	0.00	108	96867	1,869	105		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F009.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 18:10	**Quant Date:**	11/24/2010 08:38	**Vial:**	9
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG1012700-1 -- K1012914-010MS			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bis(2-chloroisopropyl) Ether	8.63	0.01	0.00	45	299912	1,732	97.1		
1	2-Methylphenol	8.63	0.02	0.00	107	44437**m**	594.31	33.3		
1	Acetophenone				105	0**d**		12	U	
1	Hexachloroethane	8.92	0.01	0.00	117	90545	1,763	98.8		
1	N-Nitrosodi-n-propylamine	8.81		0.00	70	136148	1,845	103		
1	4-Methylphenol	8.87	0.03	0.00	107	72006	738.55	41.4		
1	Nitrobenzene	9.04	0.01	0.00	77	202776	1,762	98.8		
2	Isophorone	9.41	0.01	0.00	82	343131	1,812	102		
2	2-Nitrophenol	9.52	0.02	0.00	139	104229	1,812	102		
2	2,4-Dimethylphenol	9.65	0.02	0.00	122	20159	251.45	14.1	J	
2	Bis(2-chloroethoxy)methane	9.77		0.00	93	162717	1,787	100		
2	2,4-Dichlorophenol	9.92	0.03	0.00	162	143117	1,672	93.7		
2	Benzoic Acid				122	0**d**		96	U	
2	1,2,4-Trichlorobenzene	10.01	0.01	0.00	180	191889	1,673	93.8		
2	Naphthalene	10.12	0.01	0.00	128	480574	1,779	99.7		
2	4-Chloroaniline	10.26	0.03	0.00	127	56940	503.11	28.2		
2	Hexachlorobutadiene	10.33	0.01	0.00	225	149031	1,645	92.2		
2	4-Chloro-3-methylphenol	11.10	0.05	0.00	107	121756	1,399	78.4		
2	2-Methylnaphthalene	11.22	0.01	0.00	141	283272	1,850	104		
2	1-Methylnaphthalene	11.38	0.02	0.00	141	289316	1,830	103		
3	Hexachlorocyclopentadiene	11.47	0.01	0.00	237	26762	281.24	15.8	J	
3	2,4,6-Trichlorophenol	11.71	0.02	0.00	196	119127	1,677	94.0		
3	2,4,5-Trichlorophenol	11.80	0.04	0.00	196	130806	1,708	95.8		
3	2-Chloronaphthalene	12.00	0.02	0.00	127	144759	1,954	110		
3	2-Nitroaniline	12.21	0.01	0.00	65	132160	2,055	115		
3	Acenaphthylene	12.66	0.02	0.00	152	522320	1,985	111		
3	Dimethyl Phthalate	12.54	0.01	0.00	163	519467	2,461	138		
3	2,6-Dinitrotoluene	12.63	0.02	0.00	165	103170	2,087	117		
3	Acenaphthene	12.95	0.02	0.00	154	307213	2,044	115		
3	3-Nitroaniline	12.89	0.02	0.00	138	53257	1,106	62.0		
3	2,4-Dinitrophenol	13.08	0.03	0.00	184	8795	315.70	17.7	J	
3	Dibenzofuran	13.23	0.01	0.00	168	486268	1,970	110		
3	4-Nitrophenol	13.29	0.05	0.00	109	59494**m**	1,339	75.1		
3	2,4-Dinitrotoluene	13.29	0.03	0.00	165	139574	1,976	111		
3	2,3,4,6-Tetrachlorophenol	13.47	0.02	0.00	232	115201	1,588	89.0		
3	Fluorene	13.79	0.02	0.00	166	397512	2,063	116		
3	4-Chlorophenyl Phenyl Ether	13.82	0.01	0.00	204	230450	1,958	110		
3	Diethyl Phthalate	13.69		0.00	149	441892	1,974	111		
3	4-Nitroaniline	13.88	0.01	0.00	138	66219	1,357	76.1		
3	2-Methyl-4,6-dinitrophenol	13.95	0.04	0.00	198	41382	849.60	47.6	J	
3	N-Nitrosodiphenylamine	14.03	0.02	0.00	169	261524	1,880	105		
3	Azobenzene	14.08	0.02	0.00	77	436090	2,037	114		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F009.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 18:10	**Quant Date:**	11/24/2010 08:38	**Vial:**	9
Run Type:	MS			**Dilution:**	1.0
Lab ID:	KWG1012700-1 -- K1012914-010MS			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
4	4-Bromophenyl Phenyl Ether	14.61	0.01	0.00	248	152031	1,985	111		
4	Hexachlorobenzene	14.69	0.03	0.00	284	163896	1,957	110		
4	Pentachlorophenol	15.04	0.03	0.00	266	39830	730.44	40.9	J	
4	Phenanthrene	15.35	0.03	0.00	178	787665	2,993	168		
4	Anthracene	15.43	0.03	0.00	178	614828	2,248	126		
4	Carbazole	15.73	0.02	0.00	167	523368	2,190	123		
4	Di-n-butyl Phthalate	16.37	0.01	0.00	149	701460	2,101	118		
4	Fluoranthene	17.29	0.04	0.00	202	1566517	4,777	268		
5	Benzidine				184	0**d**		120	U	
5	Pyrene	17.65	0.04	0.00	202	1475794	4,580	257		
5	Butyl Benzyl Phthalate	18.81	0.03	0.00	149	306007	2,174	122		
5	3,3'-Dichlorobenzidine	19.66	0.04	0.00	252	82912	649.60	36.4	J	
5	Benz(a)anthracene	19.66	0.05	0.00	228	1139809**m**	3,686	207		
5	Chrysene	19.73	0.06	0.00	228	1145709**m**	3,716	208		
5	Bis(2-ethylhexyl) Phthalate	19.86	0.03	0.00	149	426679	2,286	128		
6	Di-n-octyl Phthalate	21.36	0.06	0.00	149	703926**m**	2,324	130		
6	Benzo(b)fluoranthene	22.17	0.16	0.00	252	1228293	4,269	239		
6	Benzo(k)fluoranthene	22.23	0.13	0.00	252	777701	2,548	143		
6	Benzo(a)pyrene	23.03	0.17	0.00	252	921422	3,825	214		
6	Indeno(1,2,3-cd)pyrene	25.66	0.23	0.00	276	876414	4,037	226		
6	Dibenz(a,h)anthracene	25.72	0.22	0.00	278	582226	2,554	143		
6	Benzo(g,h,i)perylene	26.19	0.27	0.00	276	786194**m**	3,288	184		
	Thiophenol				0	0		17	U	NR

Prep Amount:	40.222 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	88.7 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F009.D Vial: 9
Acq On : 23 Nov 2010 6:10 pm Operator: KBailey
Sample : K1012914-010MS Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:16 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	87679	1000.00	ng/ml	-0.07
22) Naphthalene-d8	10.09	136	271209	1000.00	ng/ml	-0.06
36) Acenaphthene-d10	12.90	164	135885	1000.00	ng/ml	-0.05
60) Phenanthrene-d10	15.31	188	262541	1000.00	ng/ml	-0.05
70) Chrysene-d12	19.68	240	298980	1000.00	ng/ml	-0.05
79) Perylene-d12	23.16	264	268053	1000.00	ng/ml	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	6.59	112	175183	2020.41	ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 110		Recovery = 53.88%			
6) Phenol-d6	7.79	99	239088	2349.53	ng/ml	-0.03
Spiked Amount 3750.000	Range 43 - 128		Recovery = 62.65%			
20) Nitrobenzene-d5	9.02	82	202646	1754.80	ng/ml	-0.06
Spiked Amount 2500.000	Range 30 - 139		Recovery = 70.19%			
40) 2-Fluorobiphenyl	11.84	172	401095	1795.38	ng/ml	-0.07
Spiked Amount 2500.000	Range 37 - 126		Recovery = 71.82%			
61) 2,4,6-Tribromophenol	14.19	330	109146	2380.49	ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 157		Recovery = 63.48%			
73) Terphenyl-d14	17.96	244	513556	2177.05	ng/ml	-0.06
Spiked Amount 2500.000	Range 54 - 158		Recovery = 87.08%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.33	42	336230	2482.64	ng/ml	68
3) Pyridine	5.33	79	253281m	2747.71	ng/ml	
5) Bis(2-chloroethyl) Ether	7.87	93	154603	1891.73	ng/ml	95
7) Phenol	7.80	94	173169	1544.51	ng/ml	94
9) 2-Chlorophenol	7.94	128	163187	1599.89	ng/ml	98
10) 1,3-Dichlorobenzene	8.13	146	204695	1593.92	ng/ml	99
11) 1,4-Dichlorobenzene	8.24	146	213524	1638.57	ng/ml	98
12) 1,2-Dichlorobenzene	8.45	146	199098	1658.31	ng/ml	98
13) Benzyl Alcohol	8.44	108	96867	1868.53	ng/ml	96
14) Bis(2-chloroisopropyl) Eth	8.63	45	299912	1732.47	ng/ml	92
15) 2-Methylphenol	8.63	107	44437m	594.31	ng/ml	
17) Hexachloroethane	8.92	117	90545	1762.83	ng/ml	86
18) N-Nitrosodi-n-propylamine	8.81	70	136148	1844.86	ng/ml	99
19) 4-Methylphenol	8.87	107	72006	738.55	ng/ml	99
21) Nitrobenzene	9.04	77	202776	1762.29	ng/ml	99
23) Isophorone	9.41	82	343131	1812.05	ng/ml	99
24) 2-Nitrophenol	9.52	139	104229	1811.51	ng/ml	94
25) 2,4-Dimethylphenol	9.65	122	20159	251.45	ng/ml	93
26) Bis(2-chloroethoxy)methane	9.77	93	162717	1787.31	ng/ml	97
27) 2,4-Dichlorophenol	9.92	162	143117	1672.27	ng/ml	100

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:16 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	1,2,4-Trichlorobenzene	10.01	180	191889	1672.54 ng/ml	99
30)	Naphthalene	10.12	128	480574	1779.30 ng/ml	100
31)	4-Chloroaniline	10.26	127	56940	503.11 ng/ml	94
32)	Hexachlorobutadiene	10.33	225	149031	1645.47 ng/ml	98
33)	4-Chloro-3-methylphenol	11.10	107	121756	1399.00 ng/ml	93
34)	2-Methylnaphthalene	11.22	141	283272	1849.52 ng/ml	98
35)	1-Methylnaphthalene	11.38	141	289316	1830.21 ng/ml	98
37)	Hexachlorocyclopentadiene	11.47	237	26762	281.24 ng/ml	95
38)	2,4,6-Trichlorophenol	11.71	196	119127	1676.97 ng/ml	99
39)	2,4,5-Trichlorophenol	11.80	196	130806	1708.14 ng/ml	97
41)	2-Chloronaphthalene	12.00	127	144759	1954.15 ng/ml	100
42)	2-Nitroaniline	12.21	65	132160	2055.18 ng/ml	92
43)	Acenaphthylene	12.66	152	522320	1985.28 ng/ml	98
44)	Dimethyl Phthalate	12.54	163	519467	2461.16 ng/ml	99
45)	2,6-Dinitrotoluene	12.63	165	103170	2086.85 ng/ml	96
46)	Acenaphthene	12.95	154	307213	2044.21 ng/ml	99
47)	3-Nitroaniline	12.89	138	53257	1106.42 ng/ml	96
48)	2,4-Dinitrophenol	13.08	184	8795	315.70 ng/ml	85
49)	Dibenzofuran	13.23	168	486268	1969.57 ng/ml	98
50)	4-Nitrophenol	13.29	109	59494m	1339.30 ng/ml	
51)	2,4-Dinitrotoluene	13.29	165	139574	1975.66 ng/ml	85
52)	2,3,4,6-Tetrachlorophenol	13.47	232	115201	1588.05 ng/ml	95
53)	Fluorene	13.79	166	397512	2063.37 ng/ml	100
54)	4-Chlorophenyl Phenyl Ethe	13.82	204	230450	1958.15 ng/ml	94
55)	Diethyl Phthalate	13.69	149	441892	1973.85 ng/ml	99
56)	4-Nitroaniline	13.88	138	66219	1357.24 ng/ml	99
57)	2-Methyl-4,6-dinitrophenol	13.95	198	41382	849.60 ng/ml	92
58)	N-Nitrosodiphenylamine	14.03	169	261524	1879.97 ng/ml	100
59)	Azobenzene	14.08	77	436090	2036.99 ng/ml	95
62)	4-Bromophenyl Phenyl Ether	14.61	248	152031	1984.91 ng/ml	95
63)	Hexachlorobenzene	14.69	284	163896	1956.80 ng/ml	97
64)	Pentachlorophenol	15.04	266	39830	730.44 ng/ml	94
65)	Phenanthrene	15.35	178	787665	2993.09 ng/ml	99
66)	Anthracene	15.43	178	614828	2248.41 ng/ml	100
67)	Carbazole	15.73	167	523368	2189.61 ng/ml	99
68)	Di-n-butyl Phthalate	16.37	149	701460	2101.07 ng/ml	99
69)	Fluoranthene	17.29	202	1566517	4776.57 ng/ml	99
72)	Pyrene	17.65	202	1475794	4580.48 ng/ml	97
74)	Butyl Benzyl Phthalate	18.81	149	306007	2174.17 ng/ml	97
75)	3,3'-Dichlorobenzidine	19.66	252	82912	649.60 ng/ml	97
76)	Benz(a)anthracene	19.66	228	1139809m	3685.91 ng/ml	

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F009.D Vial: 9
Acq On : 23 Nov 2010 6:10 pm Operator: KBailey
Sample : K1012914-010MS Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:16 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Chrysene	19.73	228	1145709m	3715.84 ng/ml	
78)	Bis(2-ethylhexyl) Phthalat	19.86	149	426679	2285.87 ng/ml	99
80)	Di-n-octyl Phthalate	21.36	149	703926m	2324.34 ng/ml	
81)	Benzo(b)fluoranthene	22.17	252	1228293	4268.61 ng/ml	98
82)	Benzo(k)fluoranthene	22.23	252	777701	2547.69 ng/ml	99
83)	Benzo(a)pyrene	23.03	252	921422	3824.60 ng/ml	97
84)	Indeno(1,2,3-cd)pyrene	25.66	276	876414	4036.93 ng/ml	97
85)	Dibenz(a,h)anthracene	25.72	278	582226	2553.83 ng/ml	96
86)	Benzo(g,h,i)perylene	26.19	276	786194m	3287.81 ng/ml	

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

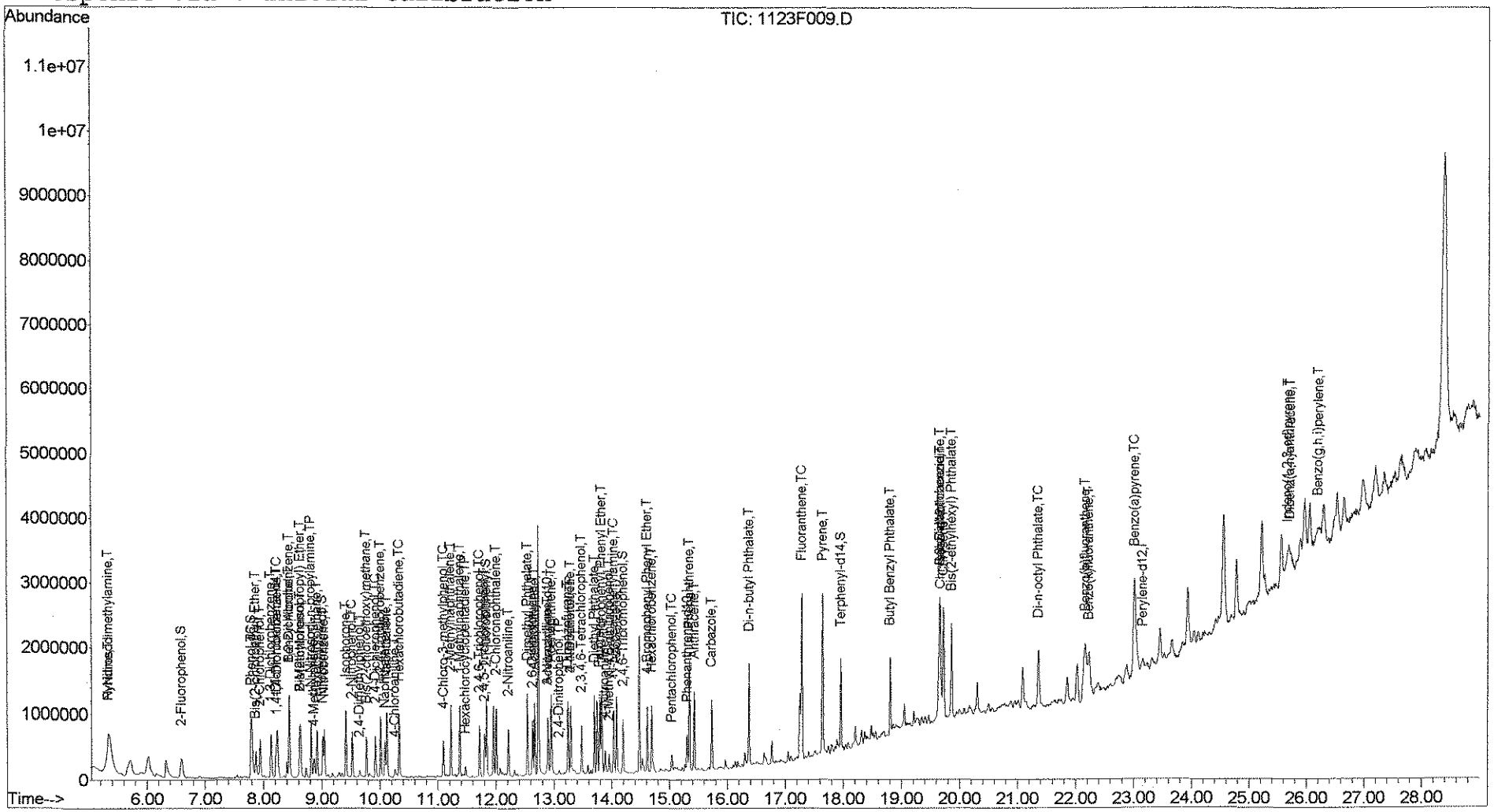
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:38 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration

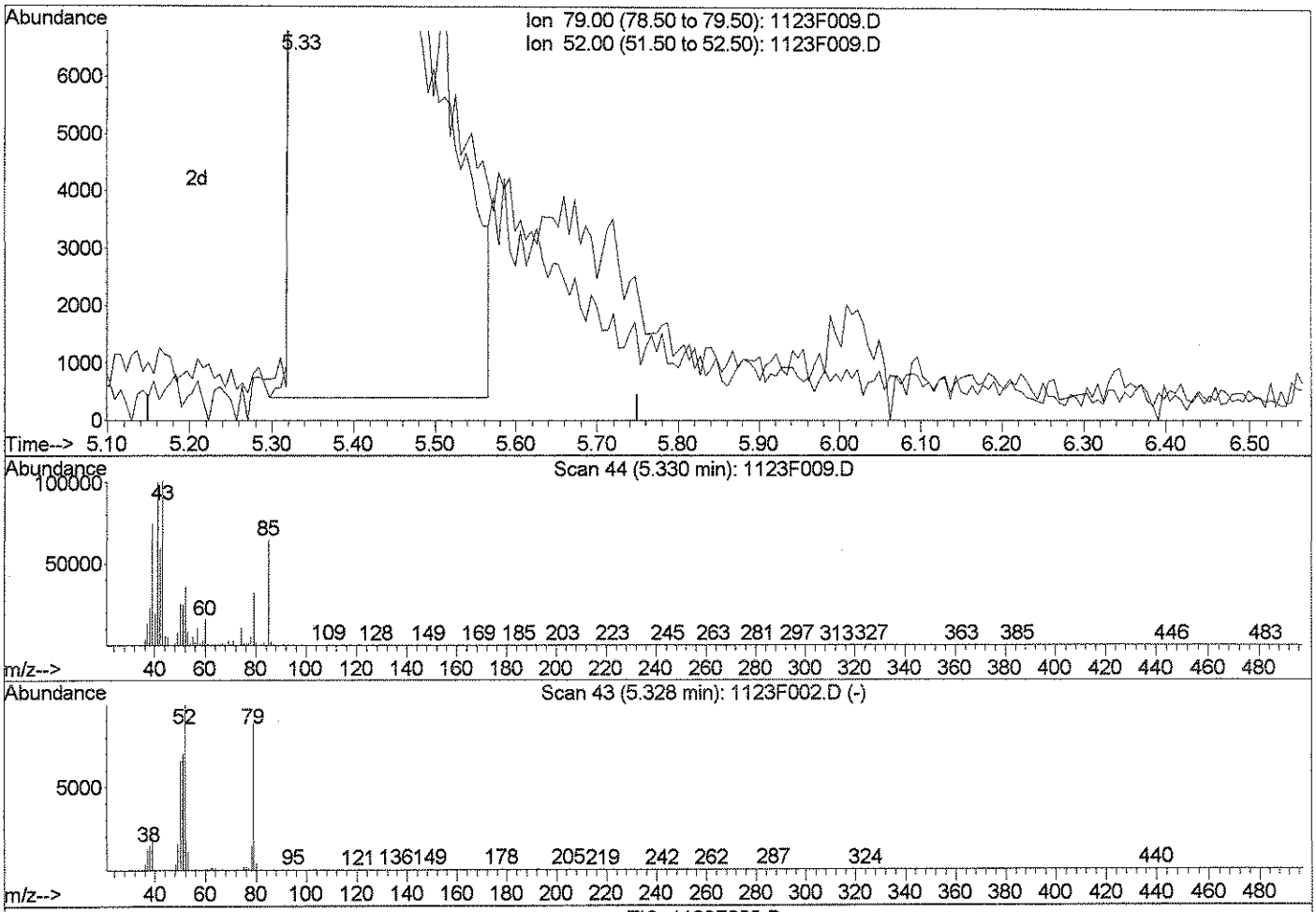


Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:24 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration



TIC: 1123F009.D

(3) Pyridine (T)

5.33min 2067.00ng/ml

response 190534

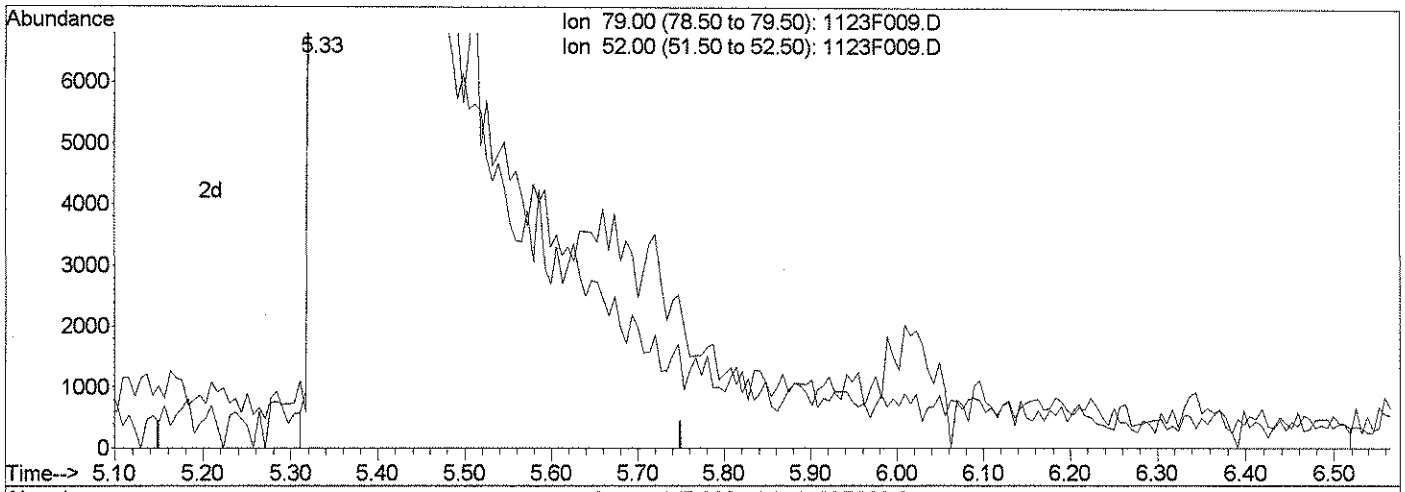
Ion	Exp%	Act%
79.00	100	100
52.00	97.10	109.94
0.00	0.00	0.00
0.00	0.00	0.00

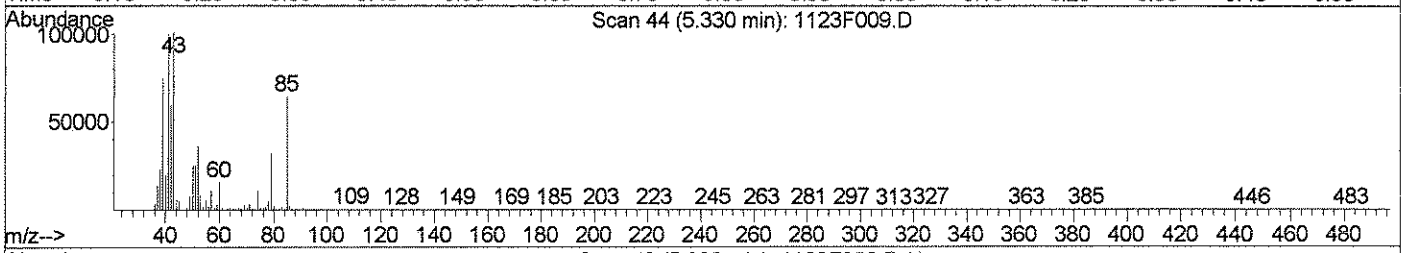
Quantitation Report (Qedit)

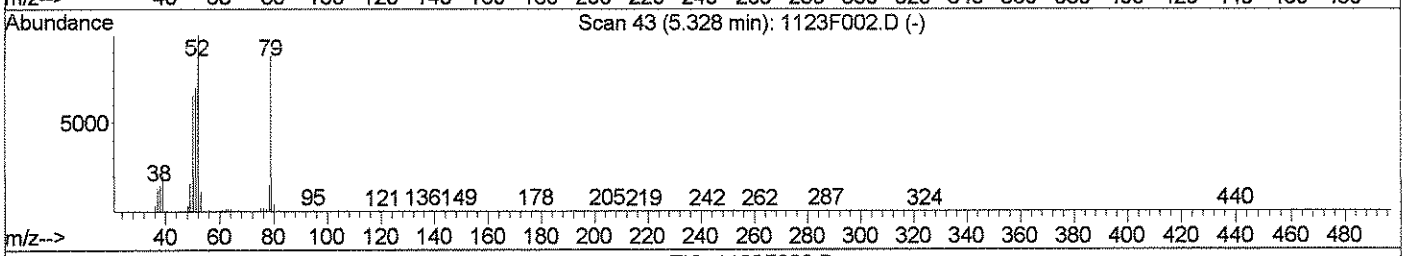
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:37 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F009.D

(3) Pyridine (T)

5.33min 2747.71ng/ml m

response 253281

Ion	Exp%	Act%
79.00	100	100
52.00	97.10	110.82
0.00	0.00	0.00
0.00	0.00	0.00

1c
LB 11/24/10

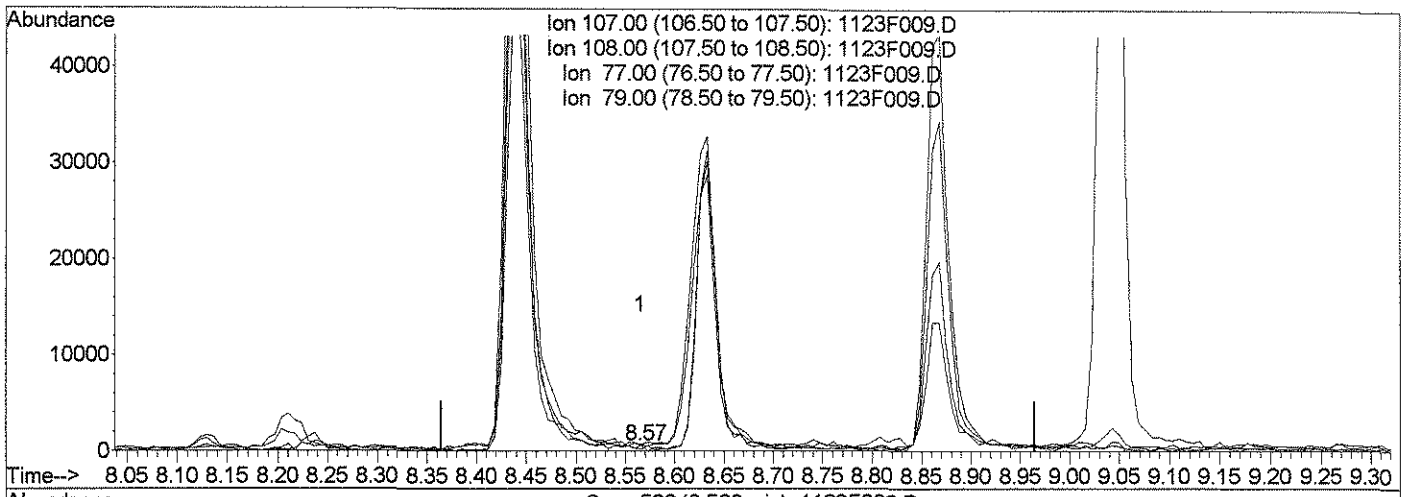
Quantitation Report (Qedit)

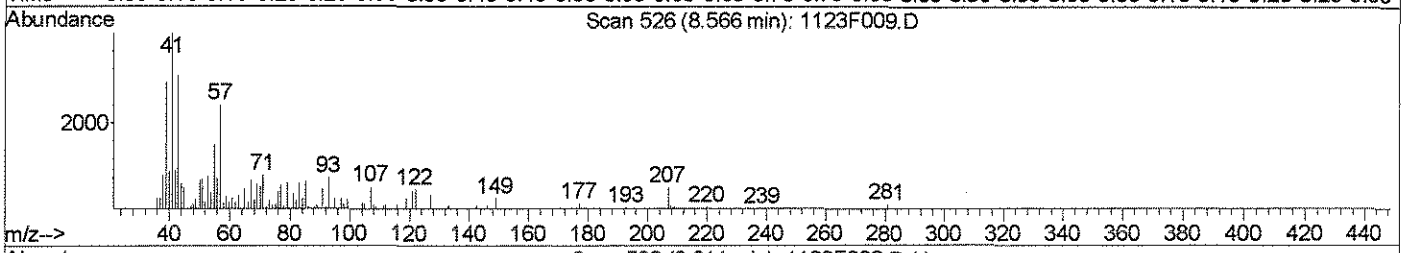
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:37 2010

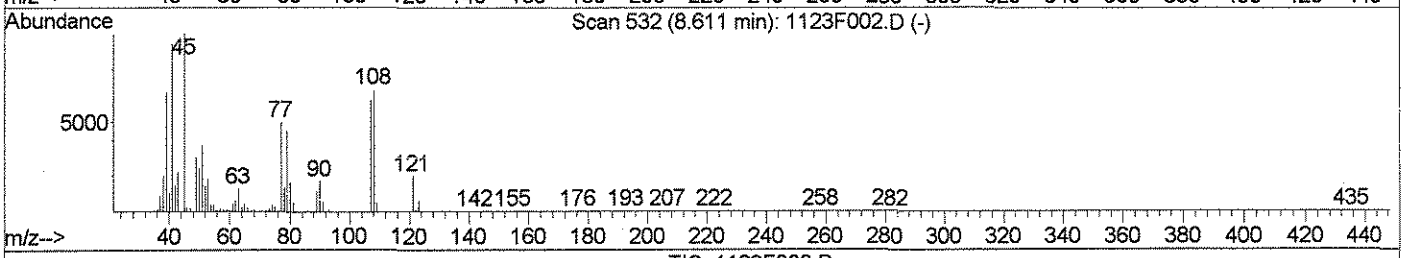
Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F009.D

(15) 2-Methylphenol (T)

8.57min 12.81ng/ml

response 958

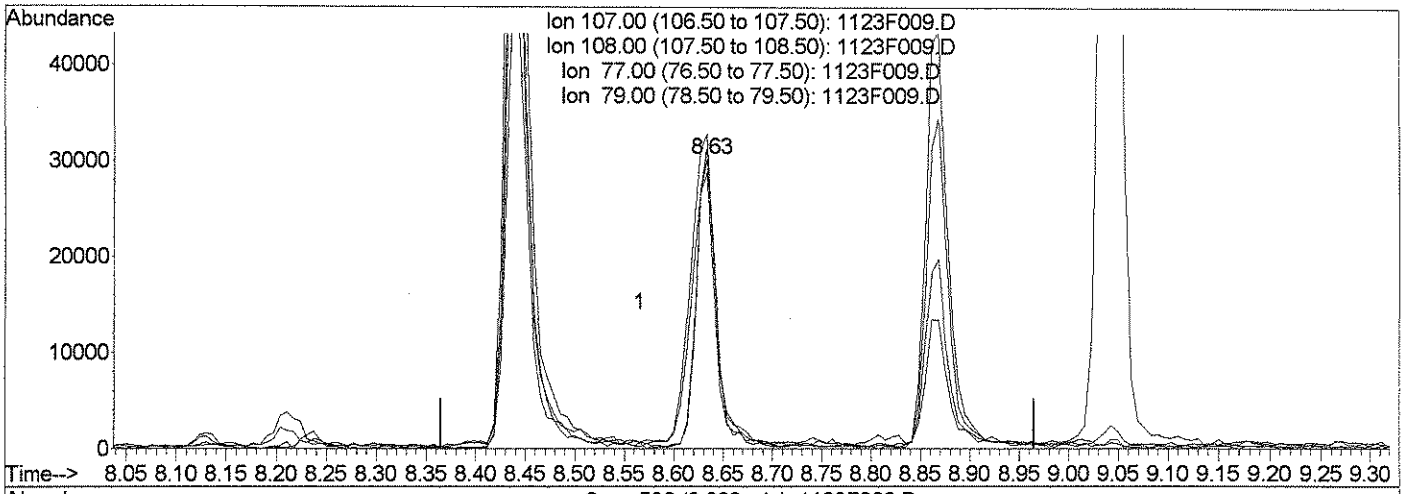
Ion	Exp%	Act%
107.00	100	100
108.00	108.30	0.00#
77.00	63.50	22.77#
79.00	60.90	0.00#

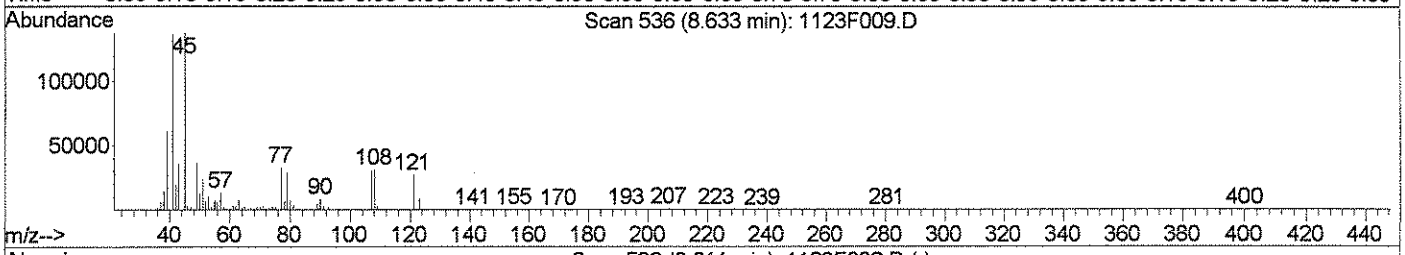
Quantitation Report (Qedit)

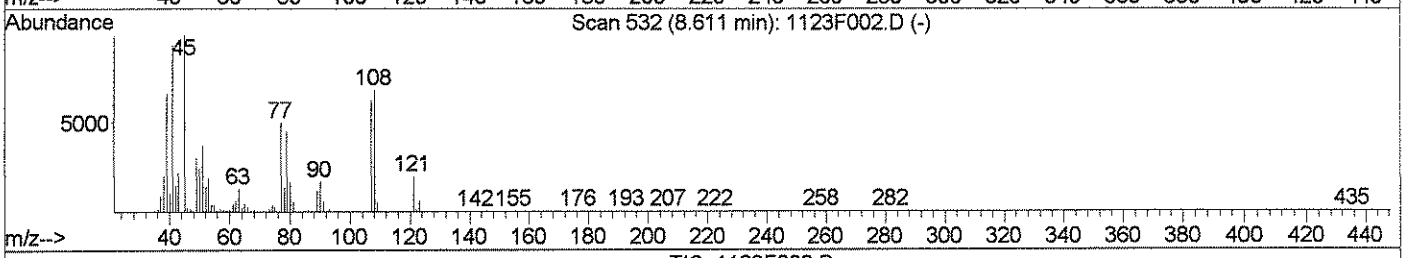
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:37 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F009.D

(15) 2-Methylphenol (T)

8.63min 594.31ng/ml m

response 44437

Ion	Exp%	Act%
107.00	100	100
108.00	108.30	103.73
77.00	63.50	108.62#
79.00	60.90	95.11#

WP
LB 11/24/10

1123F009.D 111510_BNLL.M Wed Nov 24 08:37:27 2010

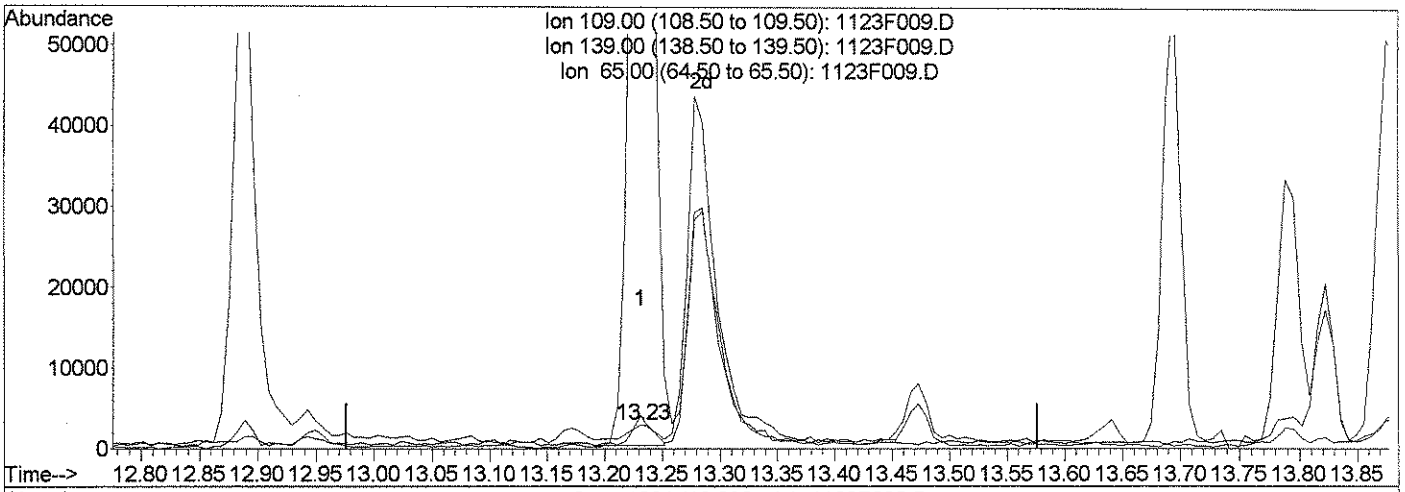
Quantitation Report (Qedit)

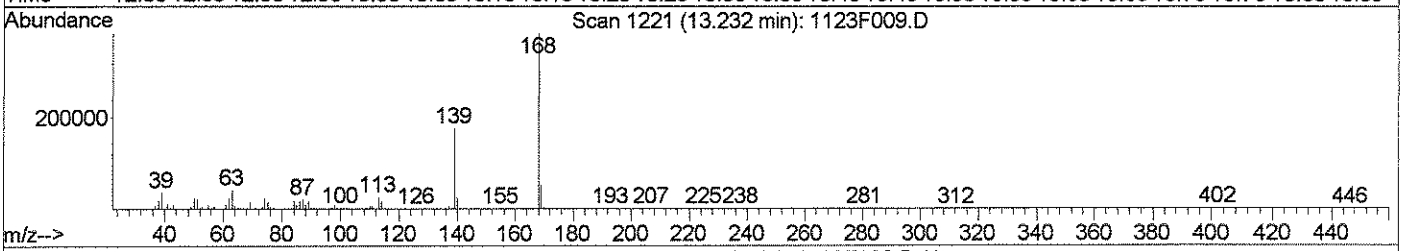
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:37 2010

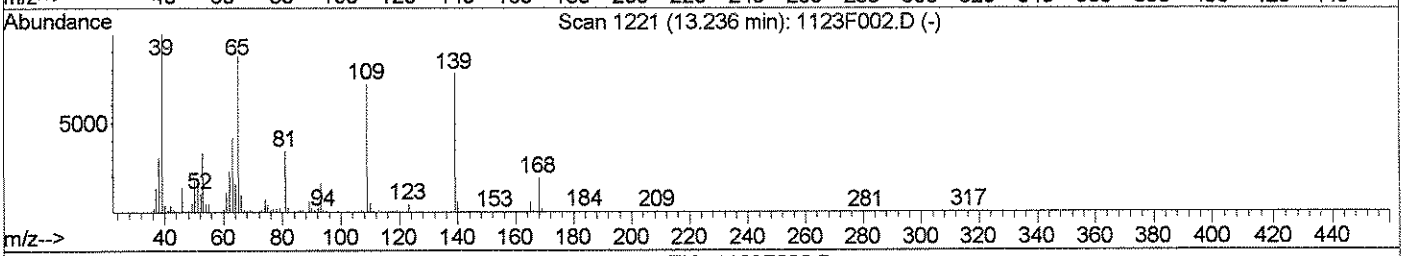
Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F009.D

(50) 4-Nitrophenol (TP)

13.23min 90.00ng/ml

response 3998

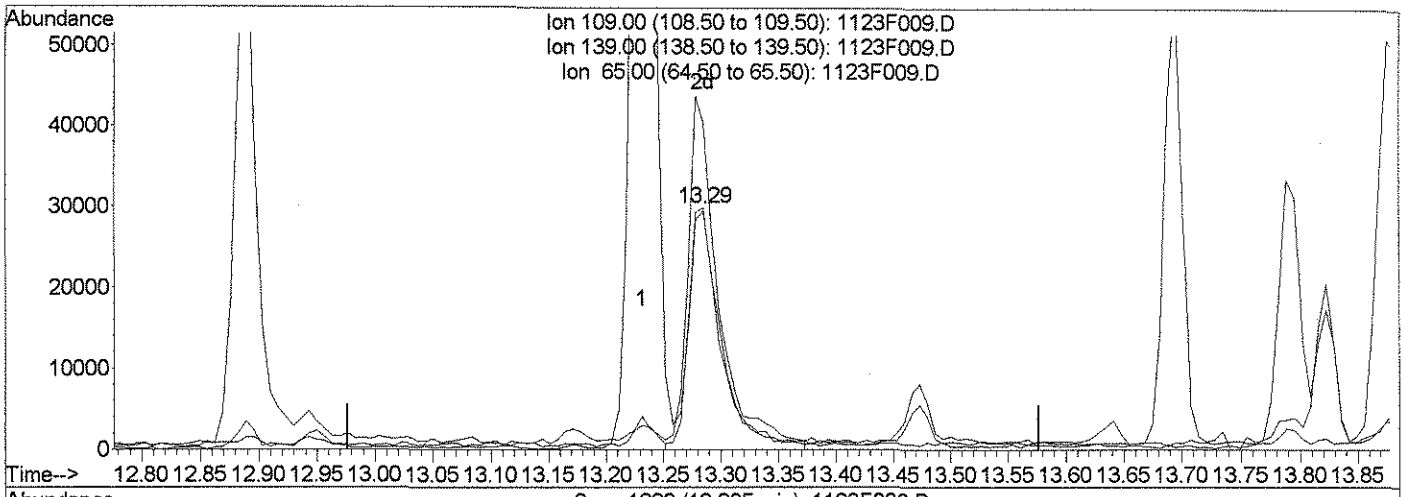
Ion	Exp%	Act%
109.00	100	100
139.00	157.20	6818.59#
65.00	115.40	116.27
0.00	0.00	0.00

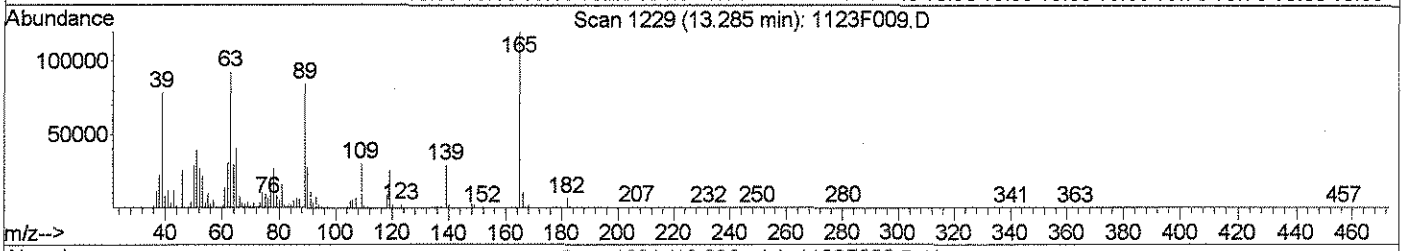
Quantitation Report (Qedit)

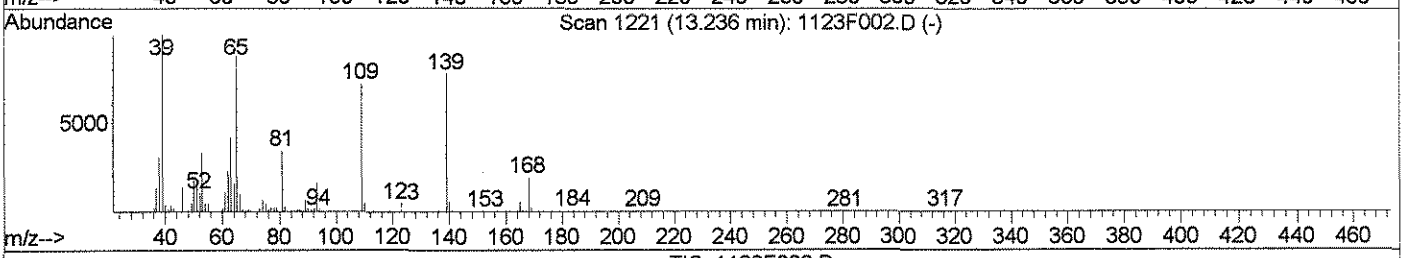
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:37 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F009.D

(50) 4-Nitrophenol (TP)

13.29min 1339.30ng/ml m

response 59494

Ion	Exp%	Act%
109.00	100	100
139.00	157.20	98.58#
65.00	115.40	135.32
0.00	0.00	0.00

WP
LB 11/24/10

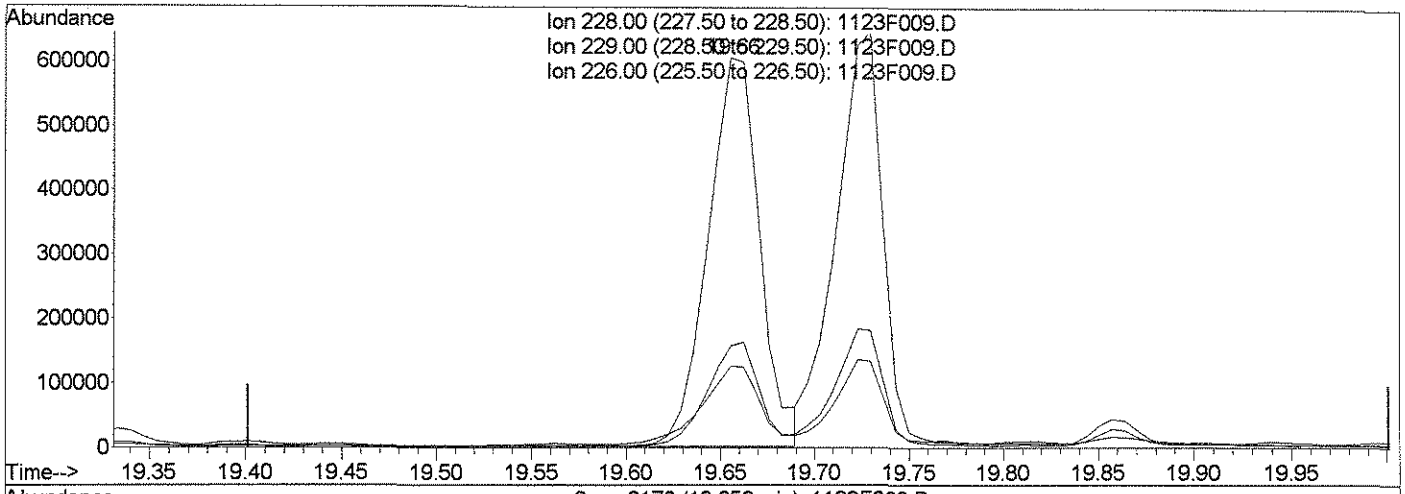
Quantitation Report (Qedit)

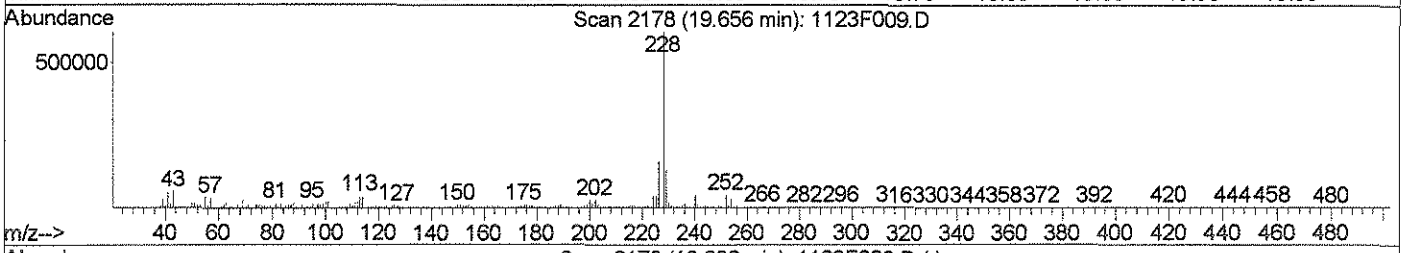
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:38 2010

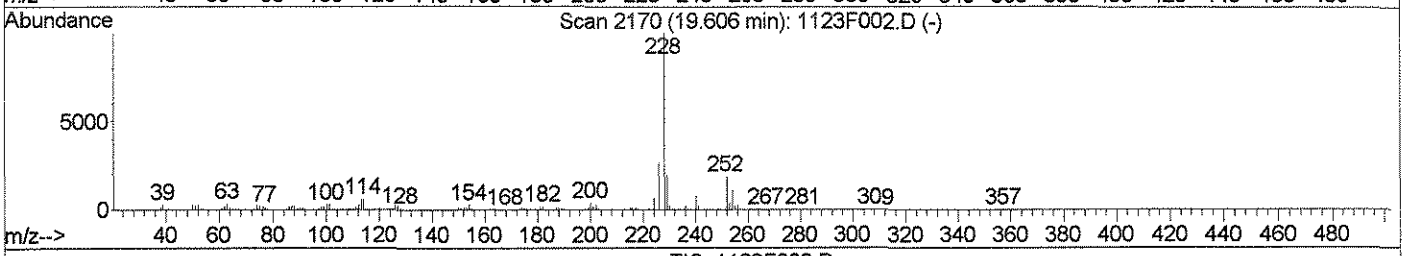
Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F009.D

(76) Benz(a)anthracene (T)

19.66min 3730.16ng/ml

response 1153492

Ion	Exp%	Act%
228.00	100	100
229.00	19.40	19.99
226.00	27.70	25.55
0.00	0.00	0.00

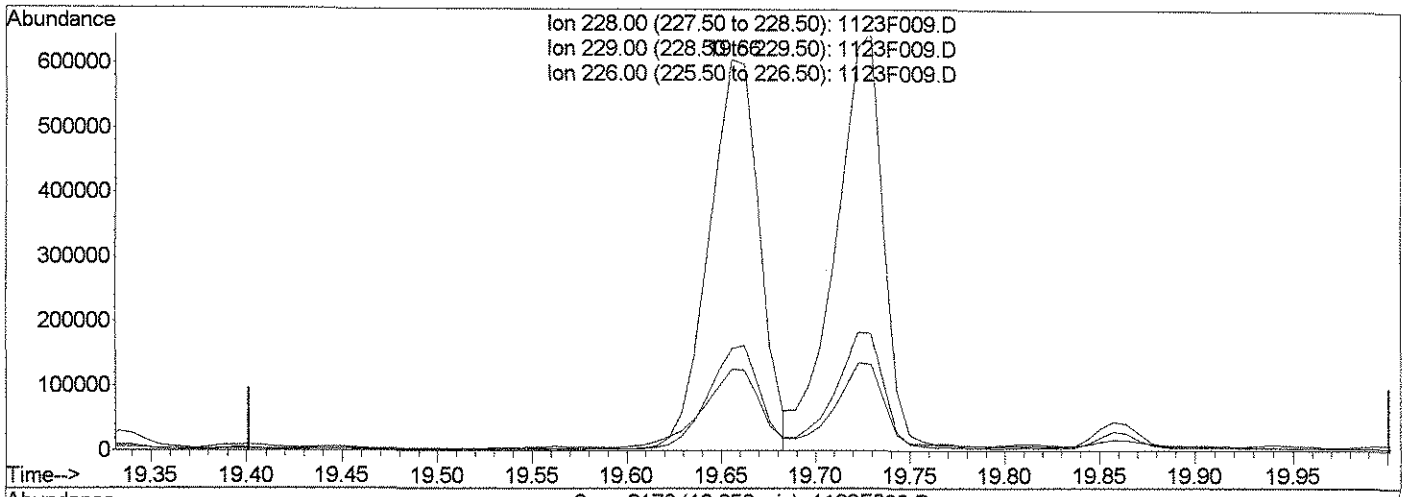
Quantitation Report (Qedit)

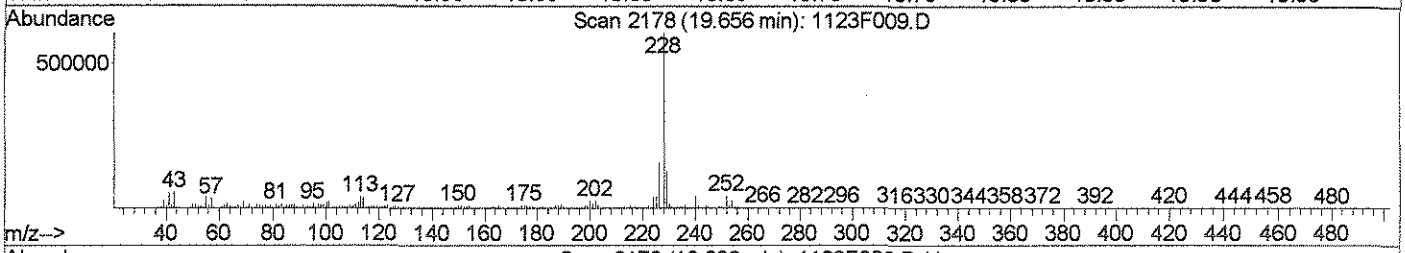
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:38 2010

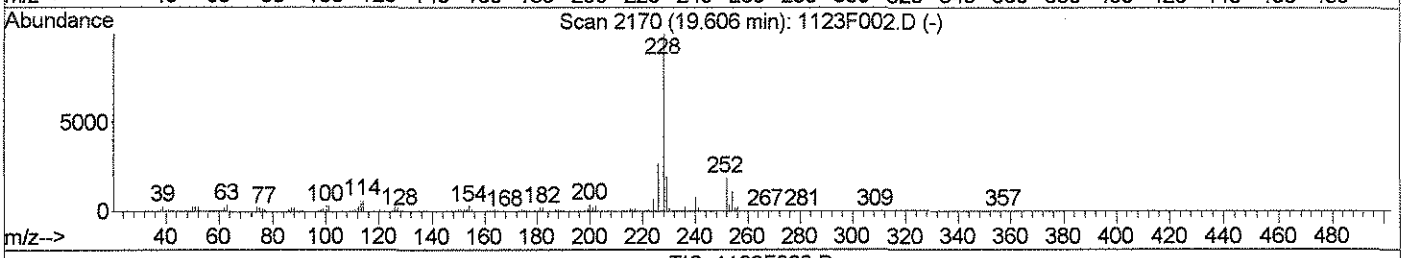
Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F009.D

(76) Benz(a)anthracene (T)

19.66min 3685.91ng/ml m

response 1139809

Ion	Exp%	Act%
228.00	100	100
229.00	19.40	20.81
226.00	27.70	25.98
0.00	0.00	0.00

01
KB 11/24/10

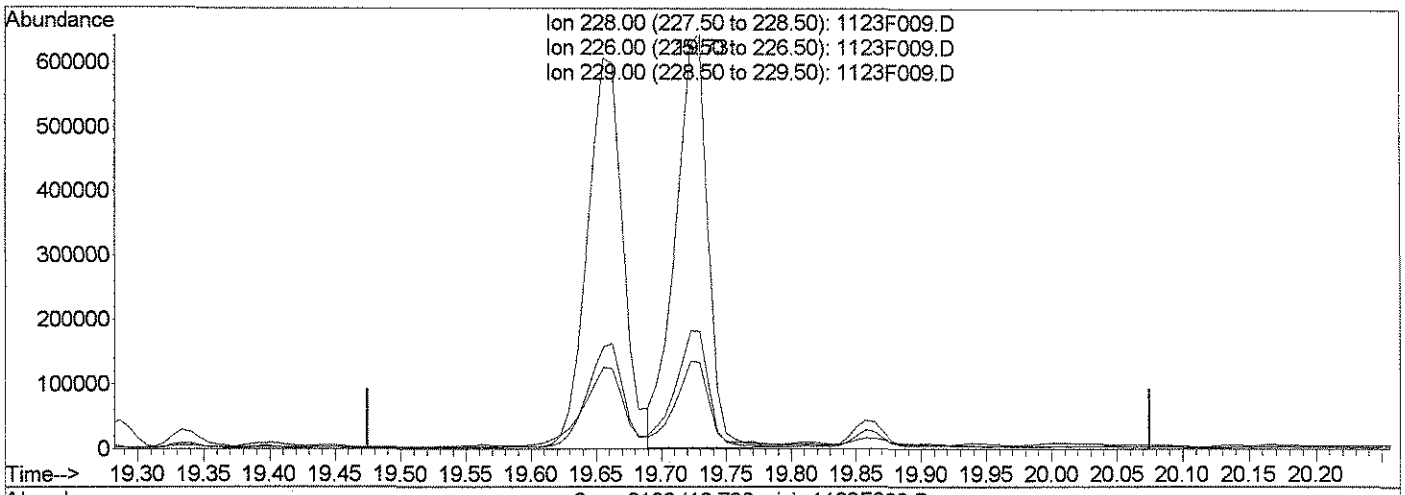
Quantitation Report (Qedit)

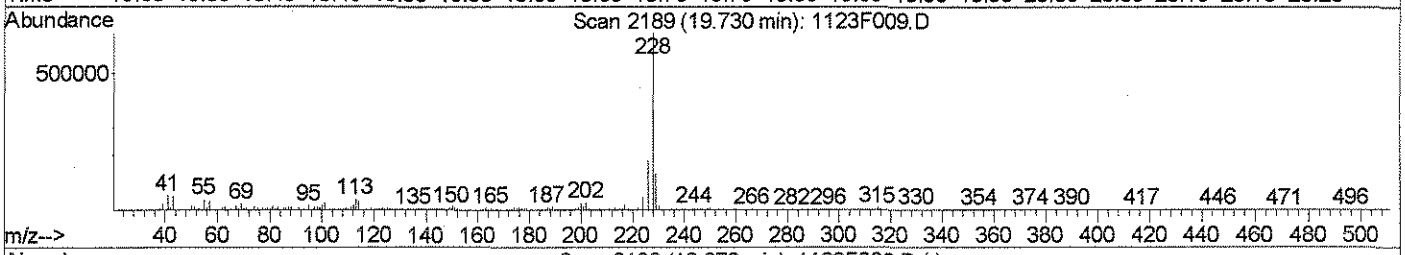
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:38 2010

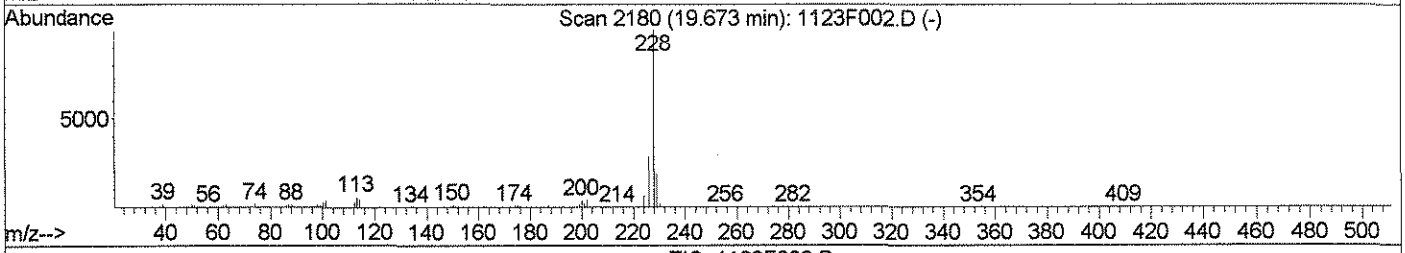
Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F009.D

(77) Chrysene (T)

19.73min 3609.83ng/ml

response 1113023

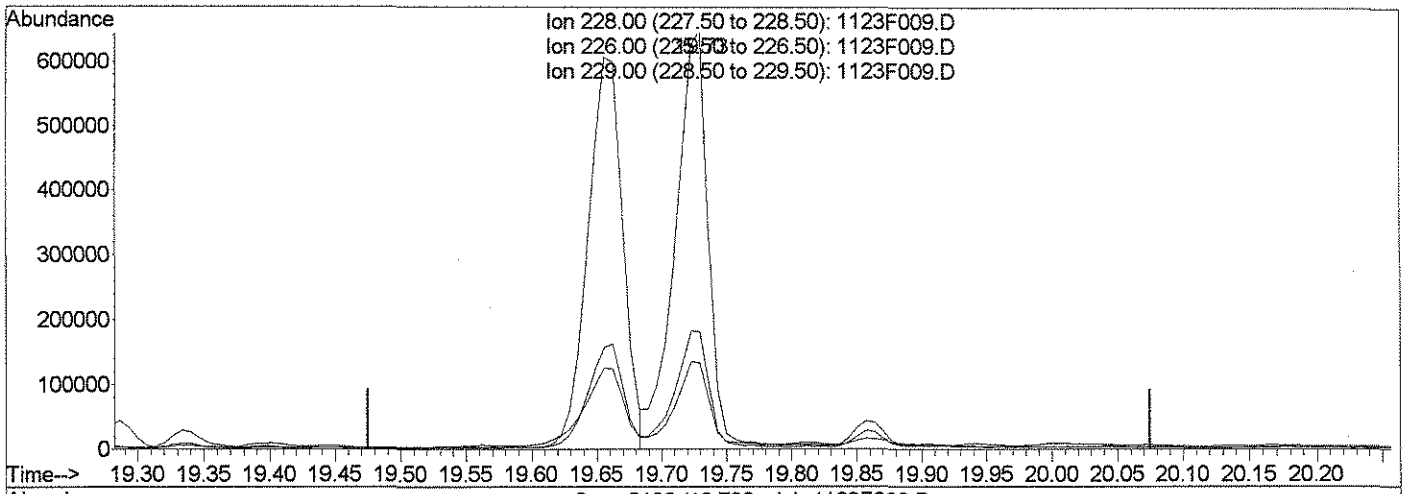
Ion	Exp%	Act%
228.00	100	100
226.00	28.90	27.81
229.00	19.40	19.60
0.00	0.00	0.00

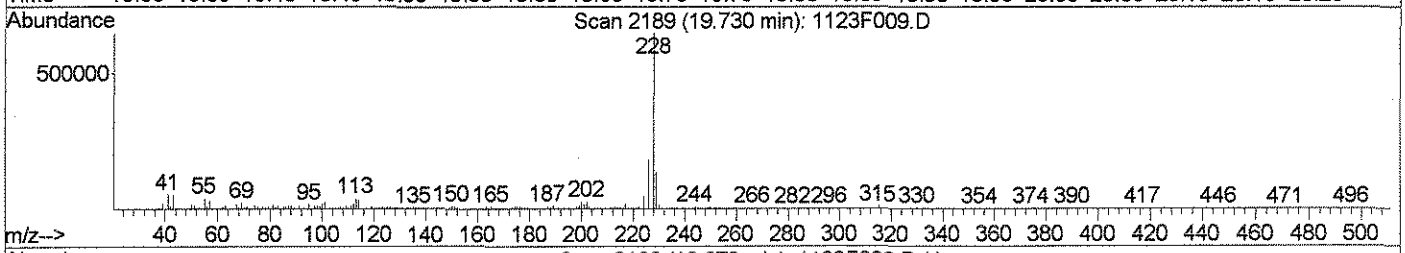
Quantitation Report (Qedit)

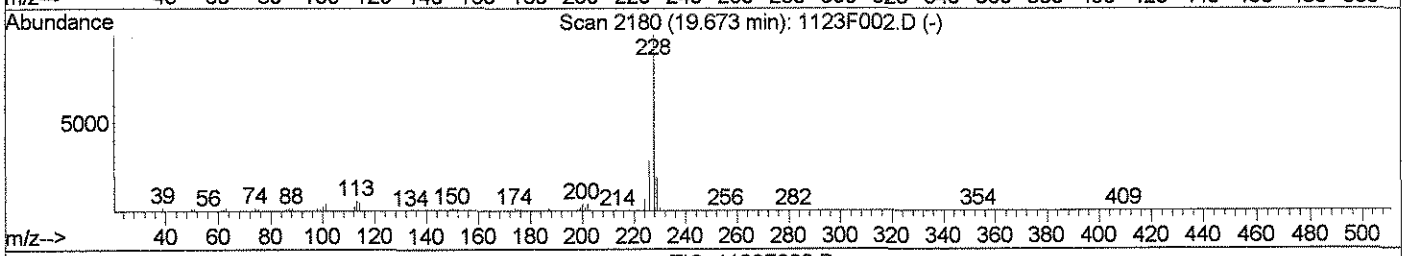
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:38 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F009.D

(77) Chrysene (T)

19.73min 3715.84ng/ml m

response 1145709

Ion	Exp%	Act%
228.00	100	100
226.00	28.90	28.02
229.00	19.40	20.59
0.00	0.00	0.00

1c
LB 11/24/10

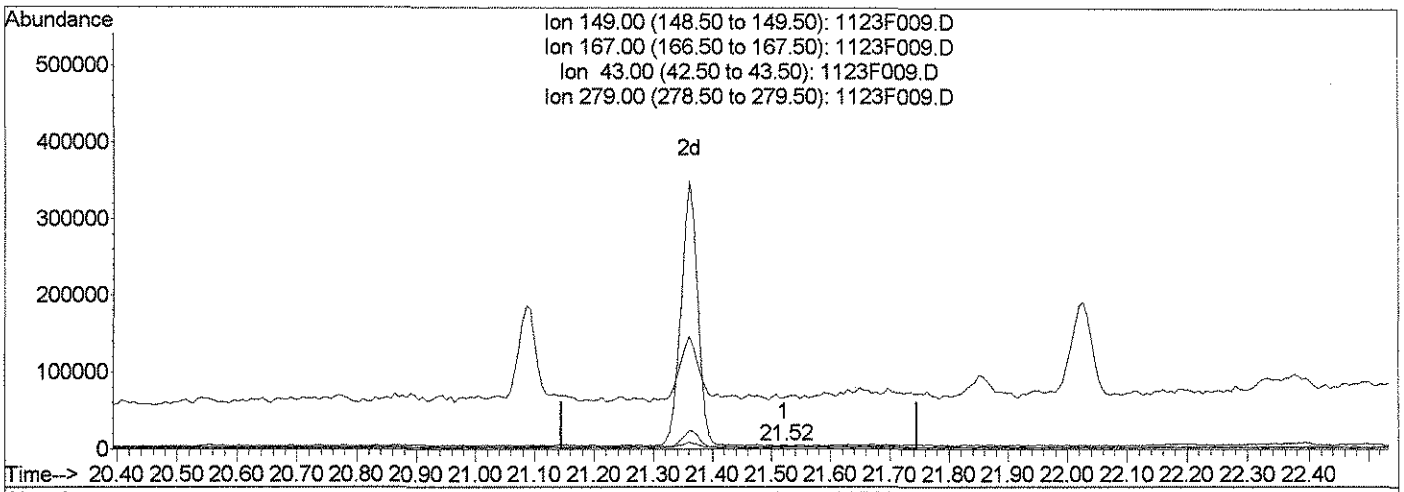
1123F009.D 111510_BNLL.M Wed Nov 24 08:38:24 2010

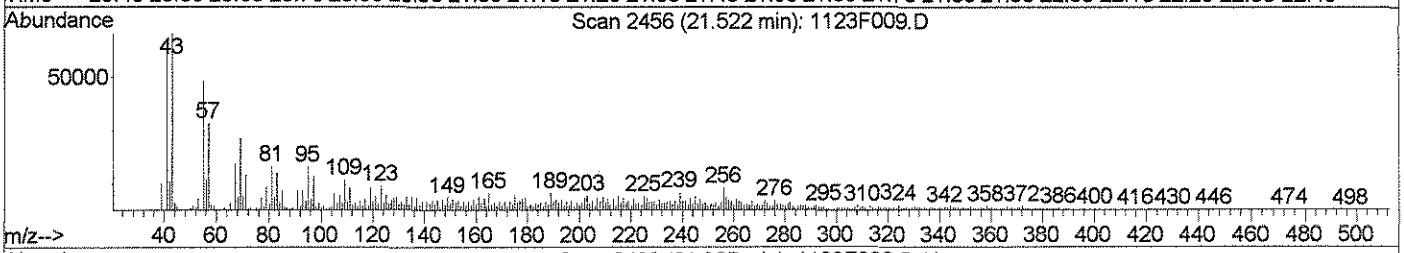
Quantitation Report (Qedit)

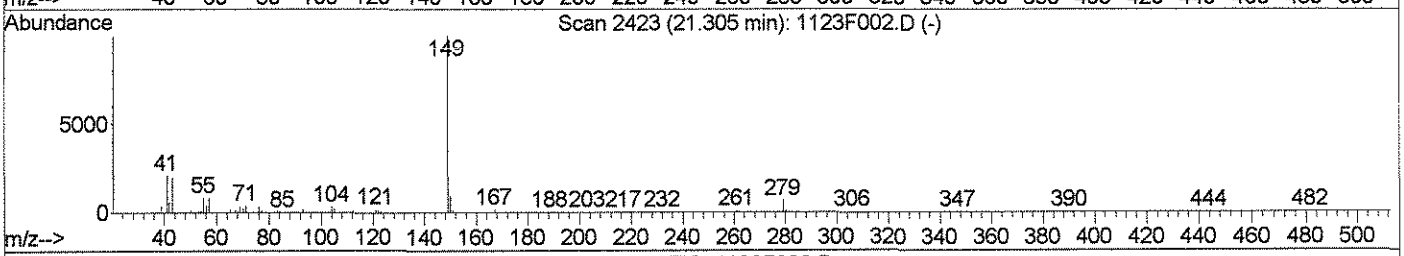
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:38 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F009.D

(80) Di-n-octyl Phthalate (TC)

21.52min 3.98ng/ml

response 1205

Ion	Exp%	Act%
149.00	100	100
167.00	1.60	12.90
43.00	20.40	0.00
279.00	7.20	0.00

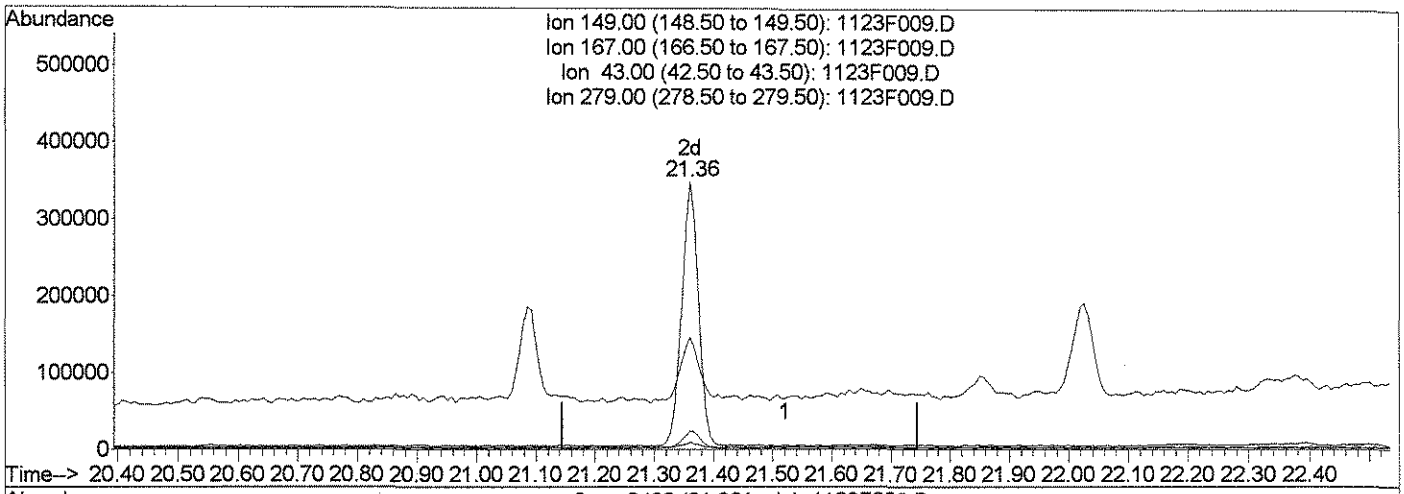
Quantitation Report (Qedit)

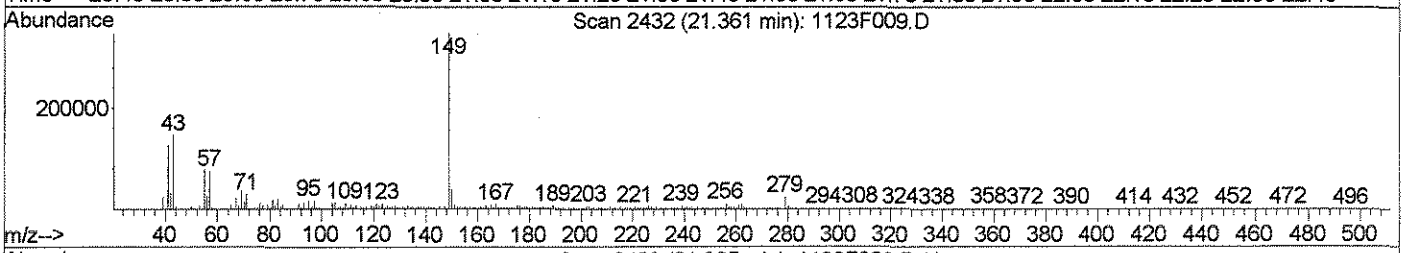
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:38 2010

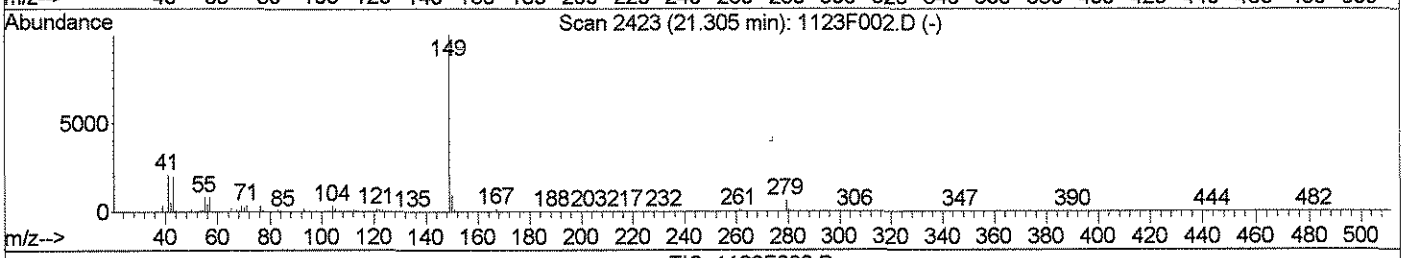
Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F009.D

(80) Di-n-octyl Phthalate (TC)

21.36min 2324.34ng/ml m

response 703926

Ion	Exp%	Act%
149.00	100	100
167.00	1.60	2.62
43.00	20.40	41.79
279.00	7.20	6.87

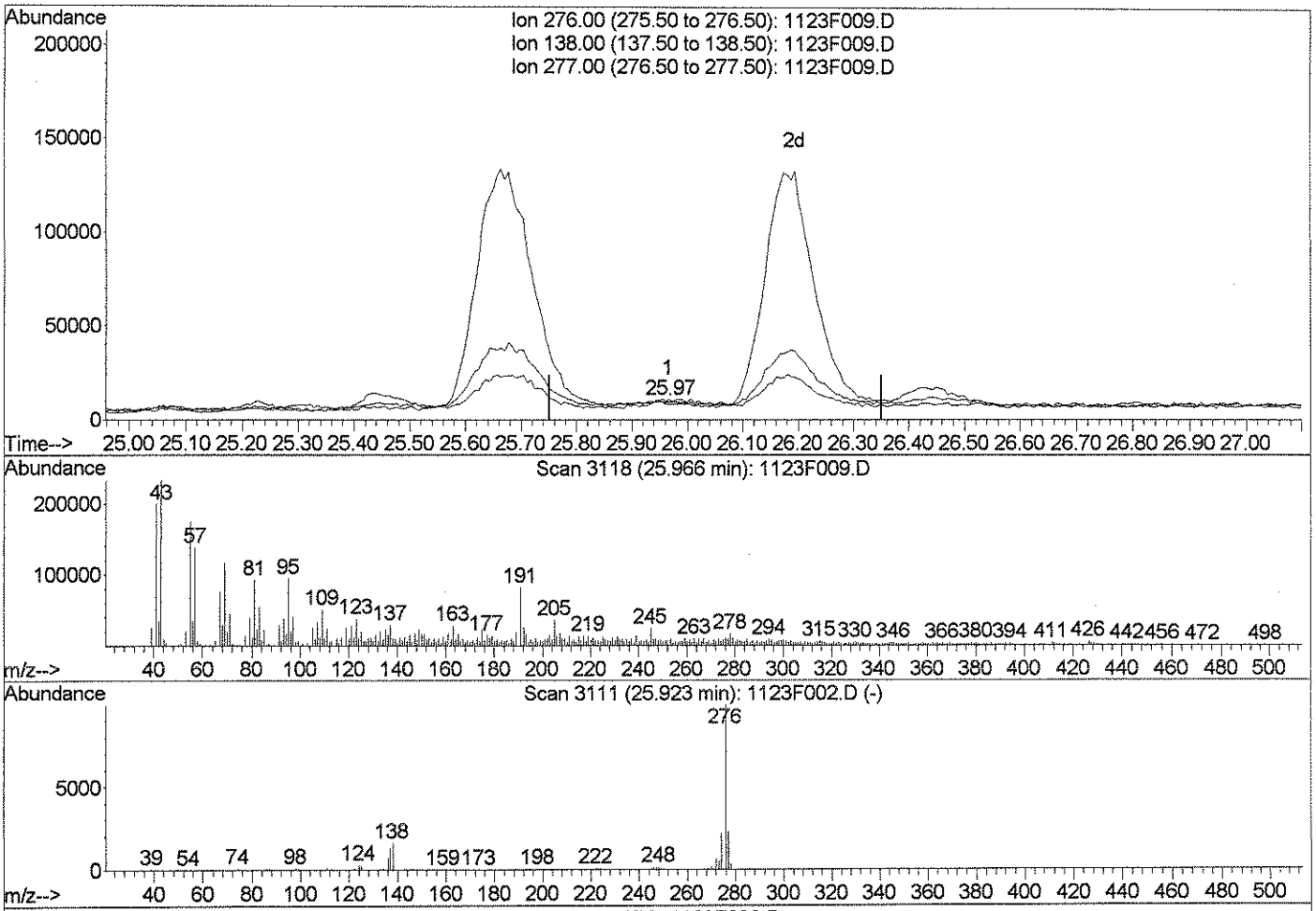
WP
KB 11/24/10

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:38 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(86) Benzo(g,h,i)perylene (T)

25.97min 12.04ng/ml

response 2879

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	17.10
277.00	22.70	7.87
0.00	0.00	0.00

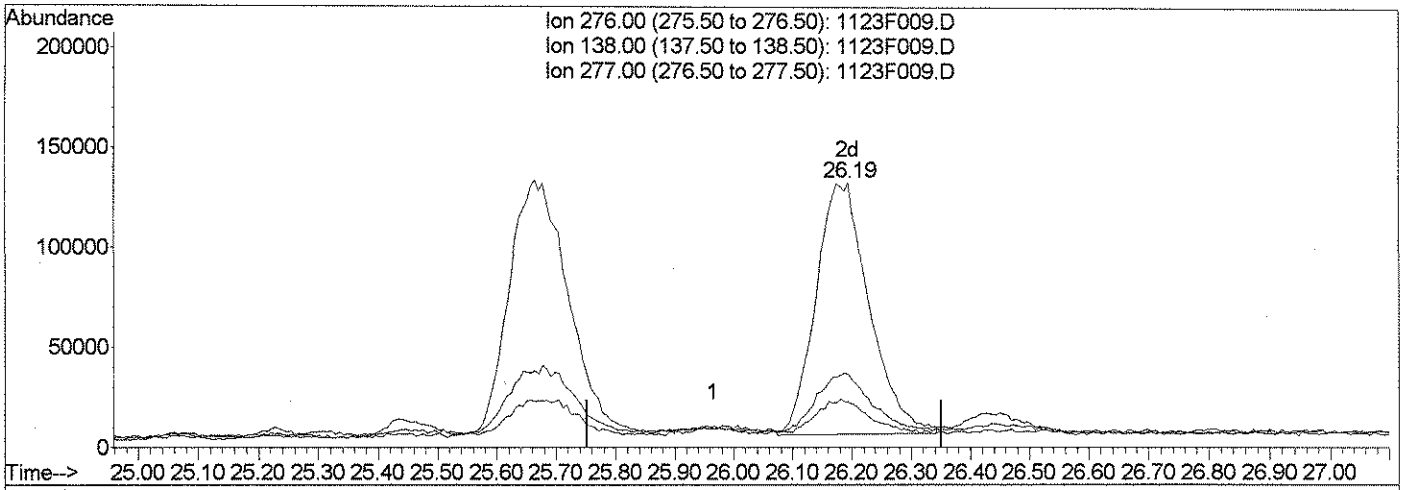
Quantitation Report (Qedit)

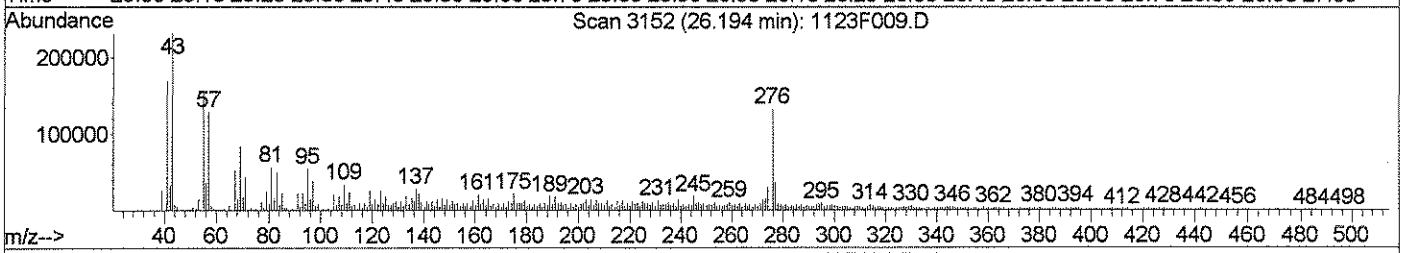
Data File : J:\MS06\DATA\112310\1123F009.D
Acq On : 23 Nov 2010 6:10 pm
Sample : K1012914-010MS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:38 2010

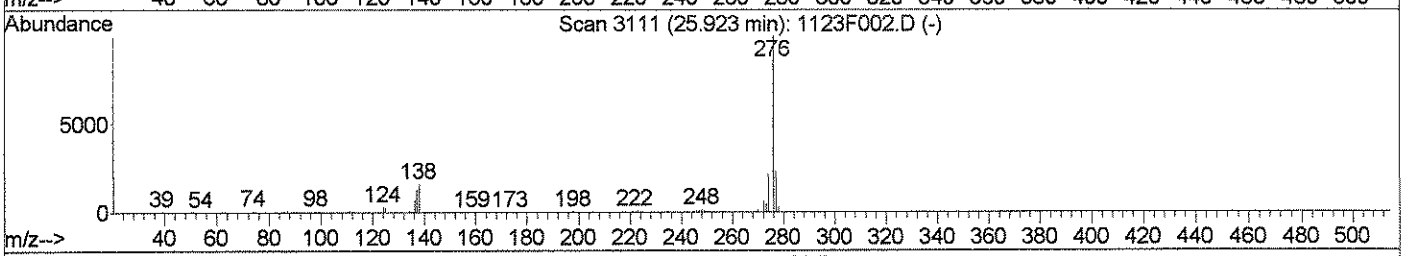
Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F009.D

(86) Benzo(g,h,i)perylene (T)

26.19min 3287.81ng/ml m

response 786194

Ion	Exp%	Act%
276.00	100	100
138.00	14.20	16.97
277.00	22.70	27.54
0.00	0.00	0.00

WP
LB 11/24/10

1123F009.D 111510_BNLL.M Wed Nov 24 08:38:52 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0010DMS
Lab Code: KWG1012700-2

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	**137**		29	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	**108**		5.7	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	**86.0**		17	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	**91.9**		5.7	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	**98.5**		5.7	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	**101**		5.7	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	**103**		5.7	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	**97.9**		5.7	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	**90.4**		5.7	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	**99.0**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	**9.16**	J	29	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	**101**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	**85.2**		5.7	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	**95.8**		5.7	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	**88.4**		5.7	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	**72.4**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	**14.8**	J	29	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	**75.8**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	**94.2**		5.7	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**102**		5.7	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**123**		5.7	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	**113**		5.7	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**103**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	**4.65**	J	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	**65.5**		57	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	**96.0**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**108**		5.7	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	**103**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	**90.3**		5.7	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	**19.9**	J	57	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	**93.6**		5.7	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	**109**		5.7	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0010DMS
Lab Code: KWG1012700-2

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	**112**		5.7	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	**110**		5.7	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	**54.5**	J	57	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**164**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**124**		5.7	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	**117**		12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**238**		5.7	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**226**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	**121**		5.7	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	**54.0**	J	57	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**188**		5.7	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**184**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	**141**		57	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	**132**		5.7	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**202**		5.7	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**138**		5.7	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**183**		5.7	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**211**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**137**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**167**		5.7	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	52	11-80	11/23/10	Acceptable
Phenol-d6	62	20-86	11/23/10	Acceptable
Nitrobenzene-d5	74	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	64	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	66	10-119	11/23/10	Acceptable
Terphenyl-d14	93	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010DMS	**Units:**	ug/Kg
Lab Code:	KWG1012700-2	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File:	J:\MS06\DATA\112310\1123F010.D	**Date Acquired:**	11/23/2010 18:48
Lab ID:	KWG1012700-2 -- K1012914-010DMS	**Date Quantitated:**	11/24/2010 08:40
RunType:	DMS	**Batch ID:**	KWG1012886
Matrix:	SEDIMENT	**Analysis Method:**	8270C
		MethodJoinID:	MJ142

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Std MRL Unsupported by ICAL	2,3,4,6-Tetrachlorophenol	29	5.7	NA	NT

Primary Review: LB 11/24/10

Secondary Review: CO 11/24/10

Quantitation Report

Bottle ID:	03	**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/23/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979843	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:			
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Method**	

Data File:	J:\MS06\DATA\112310\1123F010.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 18:48	**Quant Date:**	11/24/2010 08:40	**Vial:**	10
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG1012700-2 -- K1012914-010DMS			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.23	0.04	152	84176	1,000.00	OK
2	Naphthalene-d8	10.10	0.03	136	268583	1,000.00	OK
3	Acenaphthene-d10	12.91	0.04	164	141203	1,000.00	OK
4	Phenanthrene-d10	15.32	0.04	188	262202	1,000.00	OK
5	Chrysene-d12	19.71	0.09	240	297622	1,000.00	OK
6	Perylene-d12	23.20	0.20	264	275462	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.60	0.04	0.00	112	163430	1,963	52	11-80 OK	
1	Phenol-d6	7.79	0.04	0.00	99	226975	2,323	62	20-86 OK	
1	Nitrobenzene-d5	9.03	0.03	0.00	82	205583	1,854	74	27-91 OK	
3	2-Fluorobiphenyl	11.85	0.02	0.00	172	368749	1,588	64	25-97 OK	
4	2,4,6-Tribromophenol	14.21	0.04	0.00	330	113183	2,472	66	10-119 OK	
5	Terphenyl-d14	17.98	0.05	0.00	244	545697	2,324	93	33-129 OK	

Target Compounds

Final Conc. Units: ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine	5.39	0.08	0.01	42	316787	2,436	137		
1	Pyridine	5.43	0.10	0.01	79	74554m	842.46	47.2	J	
1	Bis(2-chloroethyl) Ether	7.88	0.02	0.00	93	150558	1,919	108		
1	Phenol	7.81	0.04	0.00	94	165090	1,534	86.0		
1	Aniline				93	0d		1.5	U	
1	2-Chlorophenol	7.95	0.03	0.00	128	160500	1,639	91.9		
1	1,3-Dichlorobenzene	8.15	0.04	0.00	146	200409	1,625	91.1		
1	1,4-Dichlorobenzene	8.25	0.03	0.00	146	206163	1,648	92.4		
1	1,2-Dichlorobenzene	8.46	0.03	0.00	146	194061	1,684	94.4		
1	Benzyl Alcohol	8.45	0.02	0.00	108	91593	1,840	103		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F010.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 18:48	**Quant Date:**	11/24/2010 08:40	**Vial:**	10
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG1012700-2 -- K1012914-010DMS			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bis(2-chloroisopropyl) Ether	8.64	0.02	0.00	45	291978	1,757	98.5		
1	2-Methylphenol	8.64	0.03	0.00	107	18893	263.19	14.8		
1	Acetophenone				105	0**d**		12	U	
1	Hexachloroethane	8.93	0.02	0.00	117	89242	1,810	101		
1	N-Nitrosodi-n-propylamine	8.83	0.02	0.00	70	130022	1,835	103		
1	4-Methylphenol	8.88	0.04	0.00	107	32412	346.28	19.4		
1	Nitrobenzene	9.06	0.03	0.00	77	192910	1,746	97.9		
2	Isophorone	9.42	0.02	0.00	82	302472	1,613	90.4		
2	2-Nitrophenol	9.54	0.04	0.00	139	100578	1,765	99.0		
2	2,4-Dimethylphenol	9.66	0.03	0.00	122	12969	163.35	9.16	J	
2	Bis(2-chloroethoxy)methane	9.78	0.01	0.00	93	163126	1,809	101		
2	2,4-Dichlorophenol	9.94	0.05	0.00	162	128831	1,520	85.2		
2	Benzoic Acid				122	0**d**		96	U	
2	1,2,4-Trichlorobenzene	10.03	0.03	0.00	180	184776	1,626	91.2		
2	Naphthalene	10.13	0.02	0.00	128	457155	1,709	95.8		
2	4-Chloroaniline	10.26	0.03	0.00	127	87582	781.43	43.8		
2	Hexachlorobutadiene	10.34	0.02	0.00	225	141385	1,576	88.4		
2	4-Chloro-3-methylphenol	11.11	0.06	0.00	107	111358	1,292	72.4		
2	2-Methylnaphthalene	11.24	0.03	0.00	141	260241	1,716	96.2		
2	1-Methylnaphthalene	11.40	0.04	0.00	141	274618	1,754	98.4		
3	Hexachlorocyclopentadiene	11.49	0.03	0.00	237	26157	264.56	14.8	J	
3	2,4,6-Trichlorophenol	11.73	0.04	0.00	196	99784	1,352	75.8		
3	2,4,5-Trichlorophenol	11.83	0.07	0.00	196	133798	1,681	94.3		
3	2-Chloronaphthalene	12.02	0.04	0.00	127	129386	1,681	94.2		
3	2-Nitroaniline	12.23	0.03	0.00	65	127610	1,910	107		
3	Acenaphthylene	12.68	0.04	0.00	152	499671	1,828	102		
3	Dimethyl Phthalate	12.55	0.02	0.00	163	482074	2,198	123		
3	2,6-Dinitrotoluene	12.65	0.04	0.00	165	103886	2,022	113		
3	Acenaphthene	12.97	0.04	0.00	154	287295	1,840	103		
3	3-Nitroaniline	12.91	0.04	0.00	138	69607	1,392	78.0		
3	2,4-Dinitrophenol	13.11	0.06	0.00	184	2383	83.02	4.65	J	
3	Dibenzofuran	13.25	0.03	0.00	168	464424	1,810	101		
3	4-Nitrophenol	13.30	0.06	0.00	109	53966**m**	1,169	65.5		
3	2,4-Dinitrotoluene	13.31	0.05	0.00	165	125684	1,712	96.0		
3	2,3,4,6-Tetrachlorophenol	13.49	0.04	0.00	232	112465	1,492	83.6		
3	Fluorene	13.81	0.04	0.00	166	386129	1,929	108		
3	4-Chlorophenyl Phenyl Ether	13.84	0.03	0.00	204	224634	1,837	103		
3	Diethyl Phthalate	13.71	0.02	0.00	149	374612	1,610	90.3		
3	4-Nitroaniline	13.89	0.02	0.00	138	77479	1,528	85.7		
3	2-Methyl-4,6-dinitrophenol	13.98	0.07	0.00	198	17984	355.32	19.9	J	
3	N-Nitrosodiphenylamine	14.04	0.03	0.00	169	241240	1,669	93.6		
3	Azobenzene	14.09	0.03	0.00	77	431094	1,938	109		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F010.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 18:48	**Quant Date:**	11/24/2010 08:40	**Vial:**	10
Run Type:	DMS			**Dilution:**	1.0
Lab ID:	KWG1012700-2 -- K1012914-010DMS			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Dry Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
4	4-Bromophenyl Phenyl Ether	14.63	0.03	0.00	248	153425	2,006	112		
4	Hexachlorobenzene	14.71	0.05	0.00	284	163994	1,961	110		
4	Pentachlorophenol	15.07	0.06	0.00	266	53033	972.19	54.5	J	
4	Phenanthrene	15.36	0.04	0.00	178	766748	2,917	164		
4	Anthracene	15.45	0.05	0.00	178	604462	2,213	124		
4	Carbazole	15.75	0.04	0.00	167	529953	2,220	124		
4	Di-n-butyl Phthalate	16.38	0.02	0.00	149	697913	2,093	117		
4	Fluoranthene	17.32	0.07	0.00	202	1393127	4,253	238		
5	Benzidine				184	0**d**		120	U	
5	Pyrene	17.67	0.06	0.00	202	1293755	4,034	226		
5	Butyl Benzyl Phthalate	18.82	0.04	0.00	149	303048	2,163	121		
5	3,3'-Dichlorobenzidine	19.69	0.07	0.00	252	122364	963.08	54.0	J	
5	Benz(a)anthracene	19.69	0.08	0.00	228	1032861	3,355	188		
5	Chrysene	19.76	0.09	0.00	228	1008833	3,287	184		
5	Bis(2-ethylhexyl) Phthalate	19.88	0.05	0.00	149	468695**m**	2,522	141		
6	Di-n-octyl Phthalate	21.38	0.08	0.00	149	734895**m**	2,361	132		
6	Benzo(b)fluoranthene	22.21	0.20	0.00	252	1067771	3,611	202		
6	Benzo(k)fluoranthene	22.28	0.18	0.00	252	770091	2,455	138		
6	Benzo(a)pyrene	23.06	0.20	0.00	252	810016	3,272	183		
6	Indeno(1,2,3-cd)pyrene	25.70	0.27	0.00	276	838920**m**	3,760	211		
6	Dibenz(a,h)anthracene	25.74	0.24	0.00	278	571027	2,437	137		
6	Benzo(g,h,i)perylene	26.20	0.28	0.00	276	732967	2,983	167		
	Thiophenol				0	0		17	U	NR

Prep Amount:	40.217 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	88.7 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:18 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	84176	1000.00 ng/ml	-0.05
22) Naphthalene-d8	10.10	136	268583	1000.00 ng/ml	-0.05
36) Acenaphthene-d10	12.91	164	141203	1000.00 ng/ml	-0.03
60) Phenanthrene-d10	15.32	188	262202	1000.00 ng/ml	-0.03
70) Chrysene-d12	19.71	240	297622	1000.00 ng/ml	-0.01
79) Perylene-d12	23.20	264	275462	1000.00 ng/ml	0.06
System Monitoring Compounds					
4) 2-Fluorophenol	6.60	112	163430	1963.30 ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 52.35%		
6) Phenol-d6	7.79	99	226975	2323.32 ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 61.96%		
20) Nitrobenzene-d5	9.03	82	205583	1854.32 ng/ml	-0.05
Spiked Amount 2500.000	Range 30 - 139		Recovery = 74.17%		
40) 2-Fluorobiphenyl	11.85	172	368749	1588.43 ng/ml	-0.05
Spiked Amount 2500.000	Range 37 - 126		Recovery = 63.54%		
61) 2,4,6-Tribromophenol	14.21	330	113183	2471.73 ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 157		Recovery = 65.91%		
73) Terphenyl-d14	17.98	244	545697	2323.86 ng/ml	-0.03
Spiked Amount 2500.000	Range 54 - 158		Recovery = 92.95%		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.39	42	316787	2436.42 ng/ml	59
3) Pyridine	5.43	79	74554m	842.46 ng/ml	
5) Bis(2-chloroethyl) Ether	7.88	93	150558	1918.90 ng/ml	95
7) Phenol	7.81	94	165090	1533.73 ng/ml	91
9) 2-Chlorophenol	7.95	128	160500	1639.03 ng/ml	99
10) 1,3-Dichlorobenzene	8.15	146	200409	1625.49 ng/ml	95
11) 1,4-Dichlorobenzene	8.25	146	206163	1647.92 ng/ml	97
12) 1,2-Dichlorobenzene	8.46	146	194061	1683.62 ng/ml	97
13) Benzyl Alcohol	8.45	108	91593	1840.32 ng/ml	96
14) Bis(2-chloroisopropyl) Eth	8.64	45	291978	1756.83 ng/ml	96
15) 2-Methylphenol	8.64	107	18893	263.19 ng/ml#	30
17) Hexachloroethane	8.93	117	89242	1809.76 ng/ml	88
18) N-Nitrosodi-n-propylamine	8.83	70	130022	1835.17 ng/ml	95
19) 4-Methylphenol	8.88	107	32412	346.28 ng/ml	95
21) Nitrobenzene	9.06	77	192910	1746.32 ng/ml	100
23) Isophorone	9.42	82	302472	1612.95 ng/ml	98
24) 2-Nitrophenol	9.54	139	100578	1765.15 ng/ml	99
25) 2,4-Dimethylphenol	9.66	122	12969	163.35 ng/ml	91
26) Bis(2-chloroethoxy)methane	9.78	93	163126	1809.33 ng/ml	97
27) 2,4-Dichlorophenol	9.94	162	128831	1520.06 ng/ml	99

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:18 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	1,2,4-Trichlorobenzene	10.03	180	184776	1626.29 ng/ml	98
30)	Naphthalene	10.13	128	457155	1709.14 ng/ml	99
31)	4-Chloroaniline	10.26	127	87582	781.43 ng/ml	96
32)	Hexachlorobutadiene	10.34	225	141385	1576.31 ng/ml	97
33)	4-Chloro-3-methylphenol	11.11	107	111358	1292.04 ng/ml	99
34)	2-Methylnaphthalene	11.24	141	260241	1715.76 ng/ml	98
35)	1-Methylnaphthalene	11.40	141	274618	1754.21 ng/ml	97
37)	Hexachlorocyclopentadiene	11.49	237	26157	264.56 ng/ml	97
38)	2,4,6-Trichlorophenol	11.73	196	99784	1351.77 ng/ml	94
39)	2,4,5-Trichlorophenol	11.83	196	133798	1681.41 ng/ml	96
41)	2-Chloronaphthalene	12.02	127	129386	1680.84 ng/ml	97
42)	2-Nitroaniline	12.23	65	127610	1909.69 ng/ml	94
43)	Acenaphthylene	12.68	152	499671	1827.67 ng/ml	99
44)	Dimethyl Phthalate	12.55	163	482074	2197.98 ng/ml	99
45)	2,6-Dinitrotoluene	12.65	165	103886	2022.19 ng/ml	97
46)	Acenaphthene	12.97	154	287295	1839.68 ng/ml	100
47)	3-Nitroaniline	12.91	138	69607	1391.63 ng/ml	96
48)	2,4-Dinitrophenol	13.11	184	2383	83.02 ng/ml#	69
49)	Dibenzofuran	13.25	168	464424	1810.25 ng/ml	95
50)	4-Nitrophenol	13.30	109	53966m	1169.10 ng/ml	
51)	2,4-Dinitrotoluene	13.31	165	125684	1712.05 ng/ml	85
52)	2,3,4,6-Tetrachlorophenol	13.49	232	112465	1491.95 ng/ml	92
53)	Fluorene	13.81	166	386129	1928.80 ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.84	204	224634	1836.84 ng/ml	99
55)	Diethyl Phthalate	13.71	149	374612	1610.30 ng/ml	99
56)	4-Nitroaniline	13.89	138	77479	1528.22 ng/ml	95
57)	2-Methyl-4,6-dinitrophenol	13.98	198	17984	355.32 ng/ml	90
58)	N-Nitrosodiphenylamine	14.04	169	241240	1668.85 ng/ml	99
59)	Azobenzene	14.09	77	431094	1937.81 ng/ml	98
62)	4-Bromophenyl Phenyl Ether	14.63	248	153425	2005.70 ng/ml	94
63)	Hexachlorobenzene	14.71	284	163994	1960.50 ng/ml	96
64)	Pentachlorophenol	15.07	266	53033	972.19 ng/ml	99
65)	Phenanthrene	15.36	178	766748	2917.37 ng/ml	99
66)	Anthracene	15.45	178	604462	2213.36 ng/ml	99
67)	Carbazole	15.75	167	529953	2220.02 ng/ml	99
68)	Di-n-butyl Phthalate	16.38	149	697913	2093.15 ng/ml	98
69)	Fluoranthene	17.32	202	1393127	4253.37 ng/ml	99
72)	Pyrene	17.67	202	1293755	4033.80 ng/ml	97
74)	Butyl Benzyl Phthalate	18.82	149	303048	2162.97 ng/ml	95
75)	3,3'-Dichlorobenzidine	19.69	252	122364	963.08 ng/ml	92
76)	Benz(a)anthracene	19.69	228	1032861	3355.30 ng/ml	98

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:18 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
77)	Chrysene	19.76	228	1008833	3286.84	ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.88	149	468695m	2522.42	ng/ml	
80)	Di-n-octyl Phthalate	21.38	149	734895m	2361.33	ng/ml	
81)	Benzo(b)fluoranthene	22.21	252	1067771	3610.95	ng/ml	100
82)	Benzo(k)fluoranthene	22.28	252	770091	2454.90	ng/ml	97
83)	Benzo(a)pyrene	23.06	252	810016	3271.75	ng/ml	97
84)	Indeno(1,2,3-cd)pyrene	25.70	276	838920m	3760.29	ng/ml	
85)	Dibenz(a,h)anthracene	25.74	278	571027	2437.34	ng/ml	98
86)	Benzo(g,h,i)perylene	26.20	276	732967	2982.77	ng/ml	99

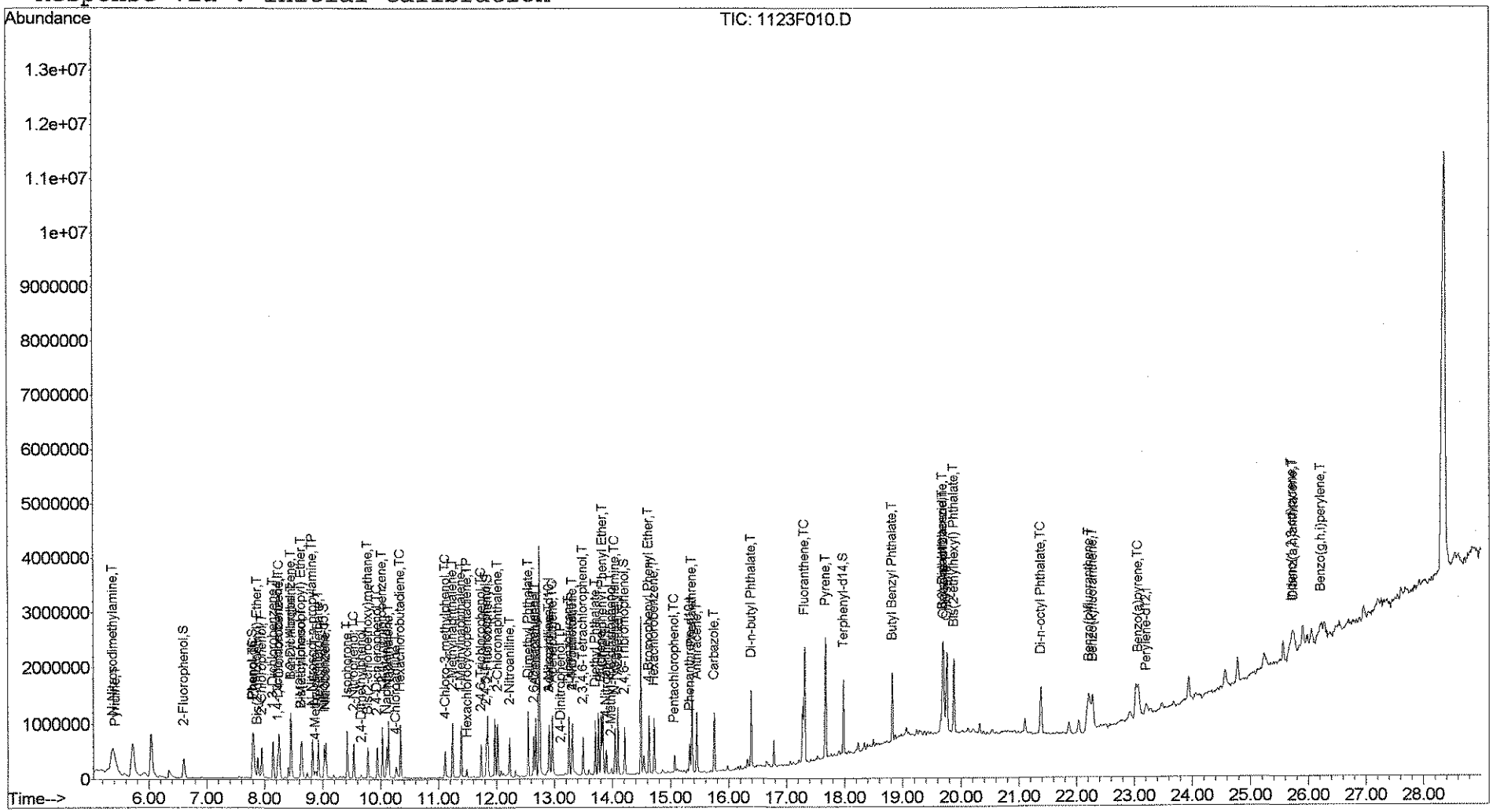
(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:40 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration



2007

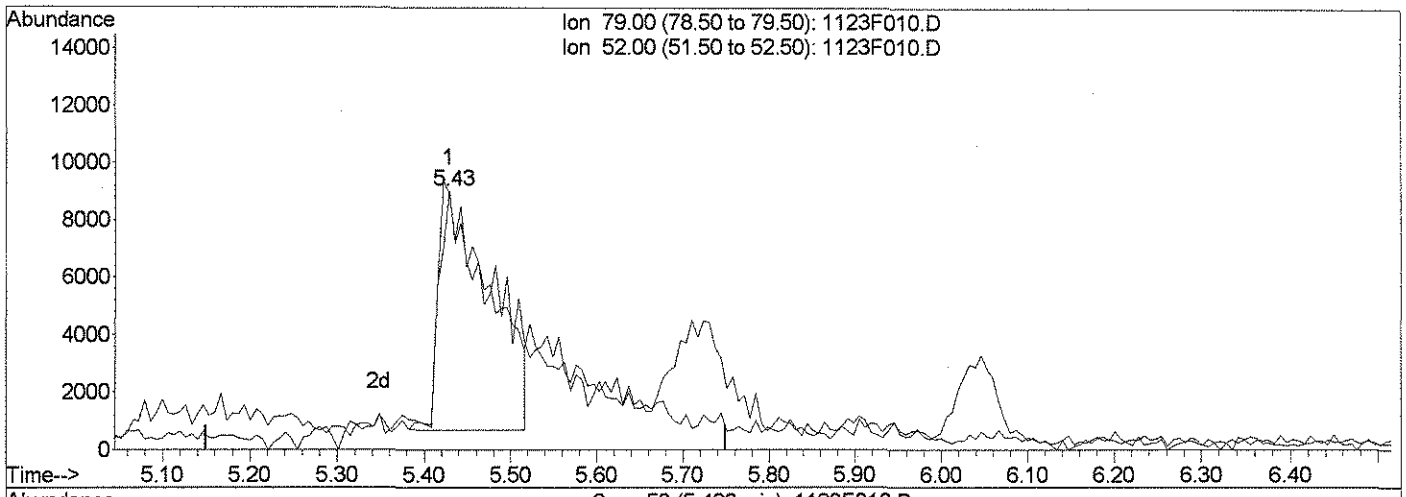
Quantitation Report (Qedit)

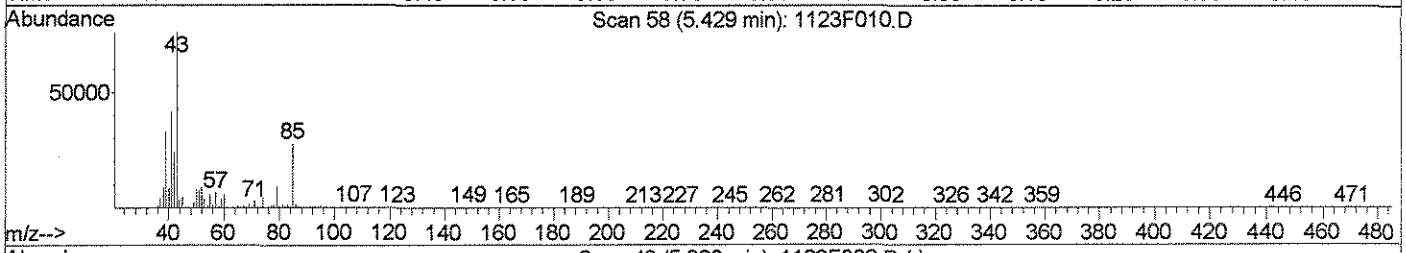
Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:24 2010

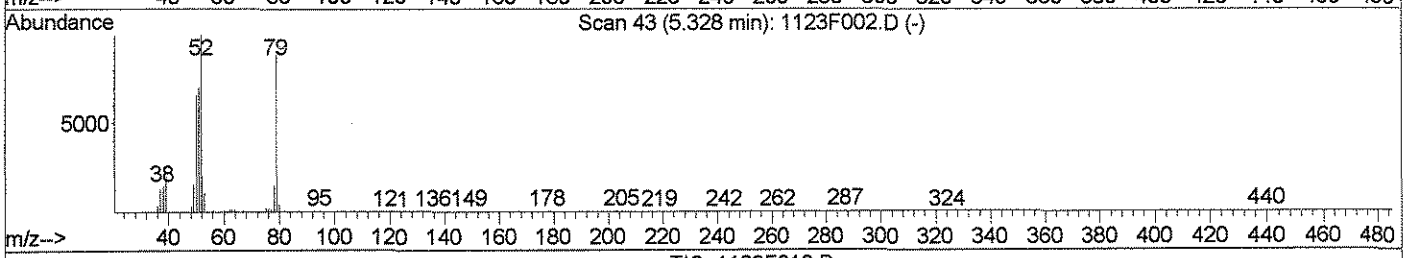
Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F010.D

(3) Pyridine (T)

5.43min 381.36ng/ml

response 33749

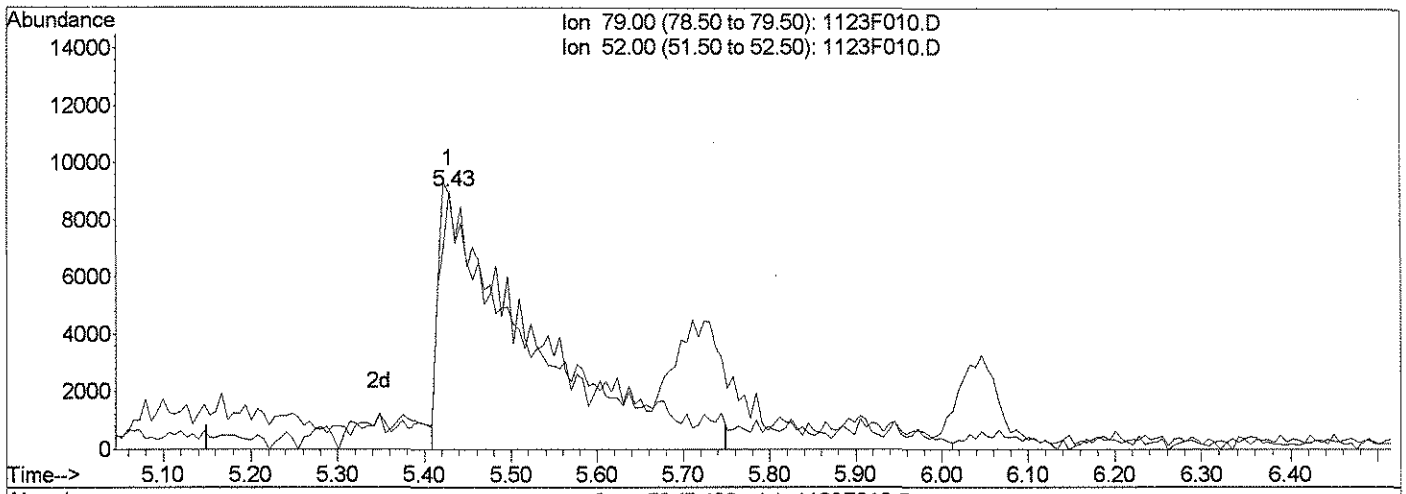
Ion	Exp%	Act%
79.00	100	100
52.00	97.10	94.59
0.00	0.00	0.00
0.00	0.00	0.00

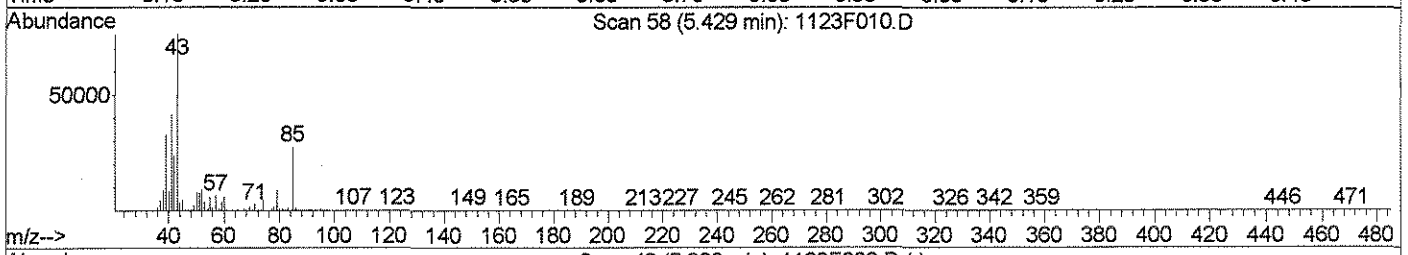
Quantitation Report (Qedit)

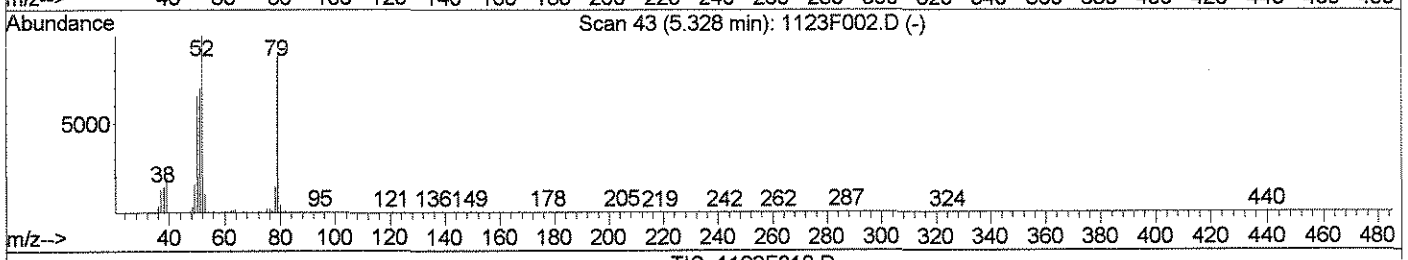
Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:39 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F010.D

(3) Pyridine (T)

5.43min 842.46ng/ml m

response 74554

Ion	Exp%	Act%
79.00	100	100
52.00	97.10	98.80
0.00	0.00	0.00
0.00	0.00	0.00

1c
LB 11/24/10

1123F010.D 111510_BNLL.M Wed Nov 24 08:39:05 2010

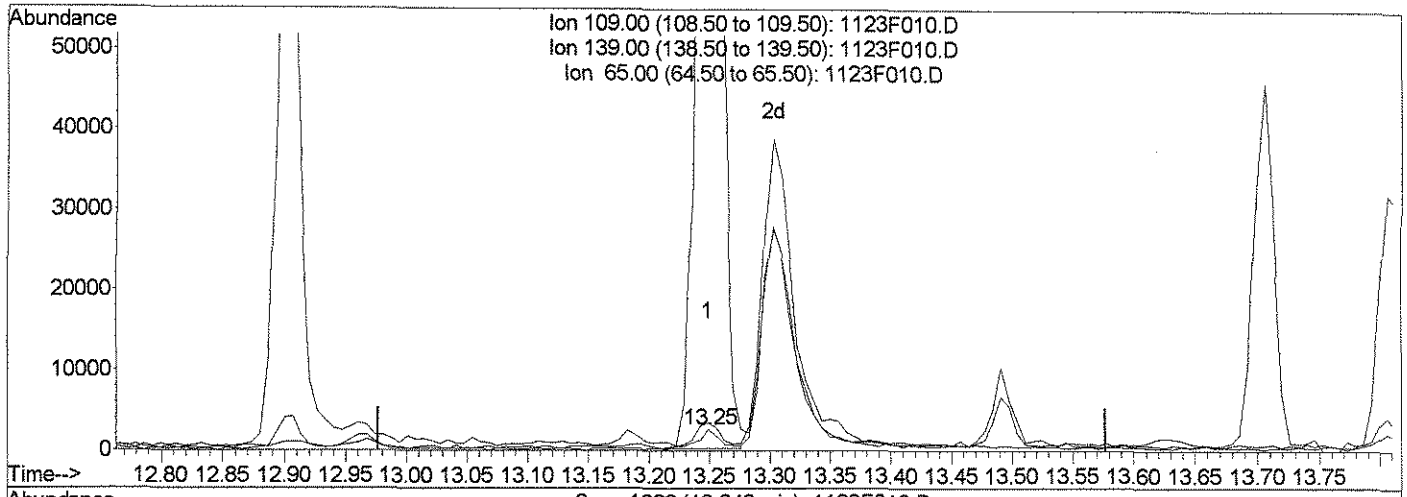
Quantitation Report (Qedit)

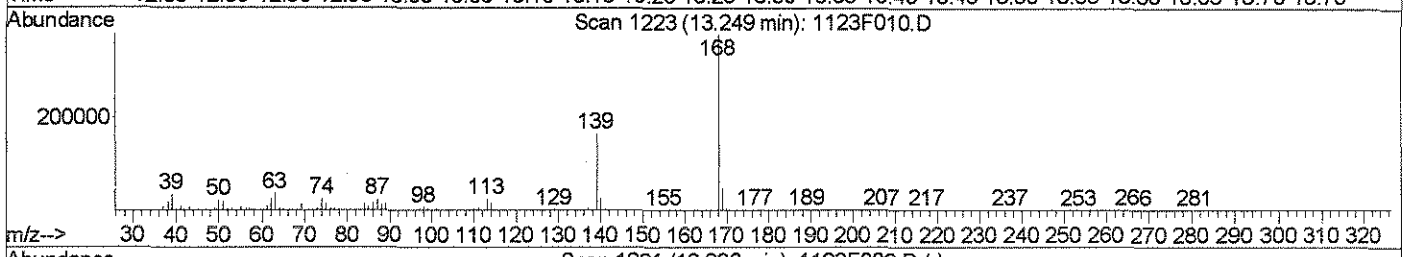
Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:39 2010

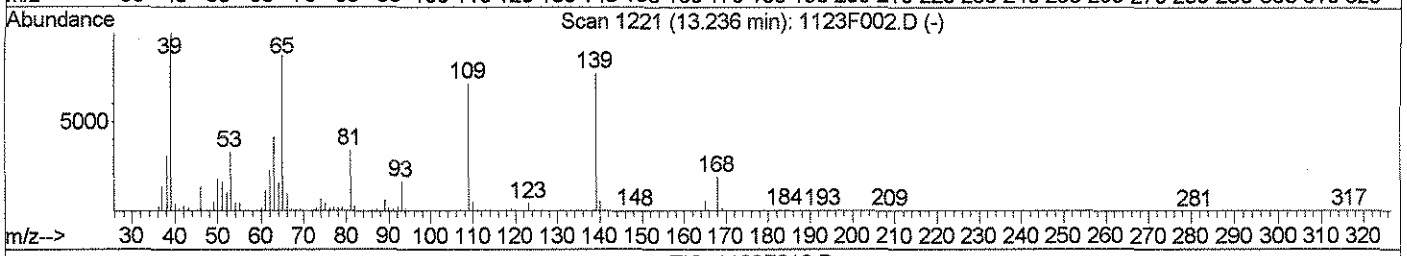
Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F010.D

(50) 4-Nitrophenol (TP)

13.25min 63.00ng/ml

response 2908

Ion	Exp%	Act%
109.00	100	100
139.00	157.20	7080.37#
65.00	115.40	111.54
0.00	0.00	0.00

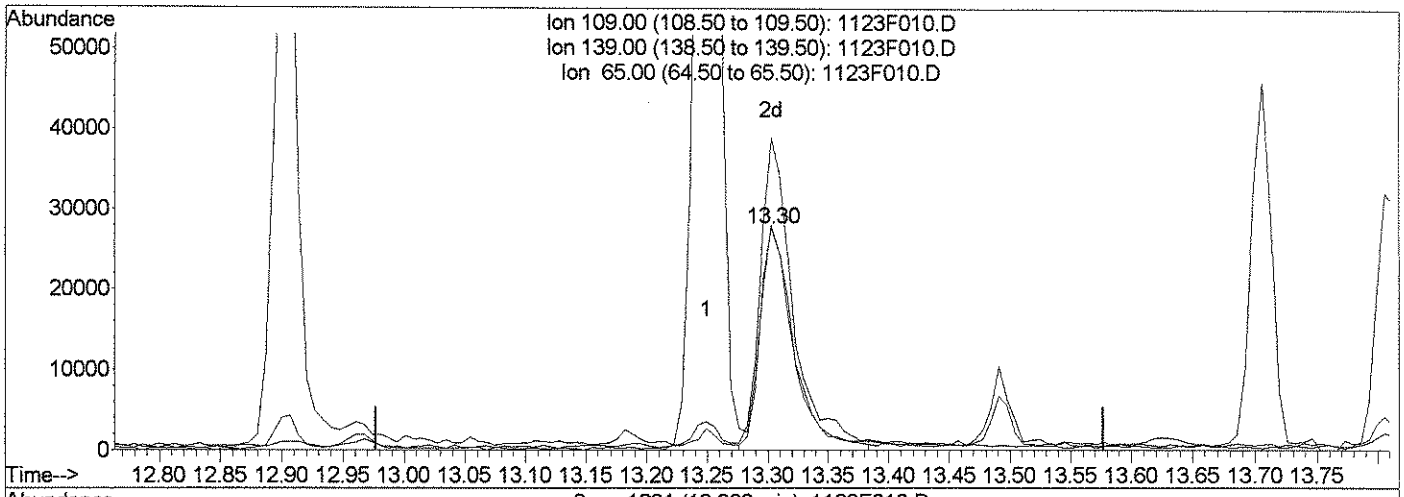
Quantitation Report (Qedit)

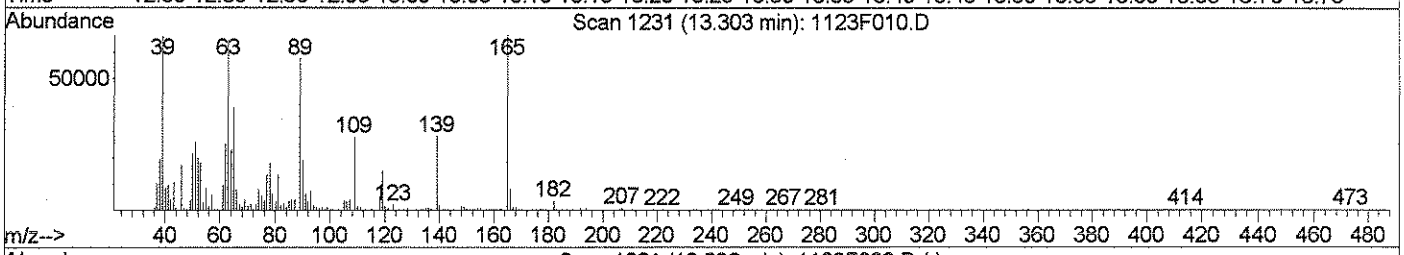
Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:39 2010

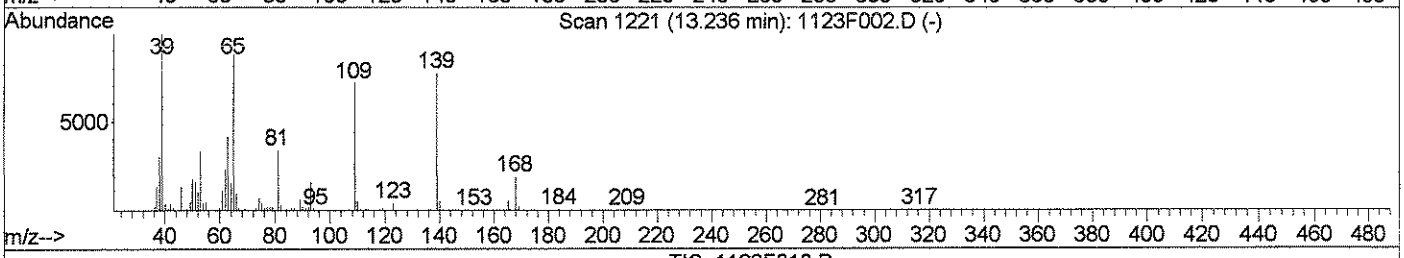
Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F010.D

(50) 4-Nitrophenol (TP)

13.30min 1169.10ng/ml m

response 53966

Ion	Exp%	Act%
109.00	100	100
139.00	157.20	101.16#
65.00	115.40	140.66
0.00	0.00	0.00

WP
LB 11/24/10

1123F010.D 111510_BNLL.M Wed Nov 24 08:39:41 2010

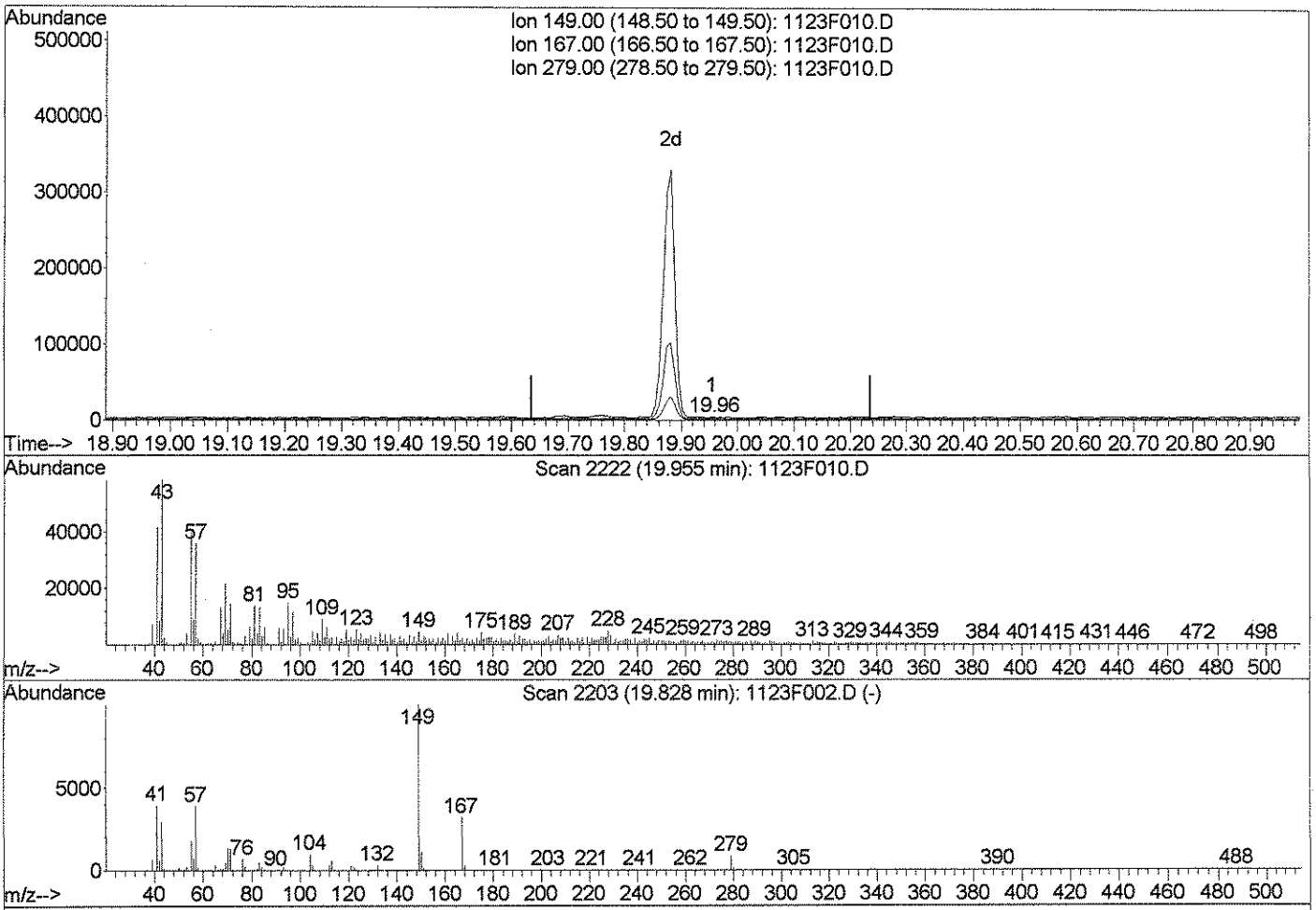
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:39 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(78) Bis(2-ethylhexyl) Phthalate (T)

19.96min 3.79ng/ml

response 705

Ion	Exp%	Act%
149.00	100	100
167.00	32.10	23.71
279.00	9.60	22.36
0.00	0.00	0.00

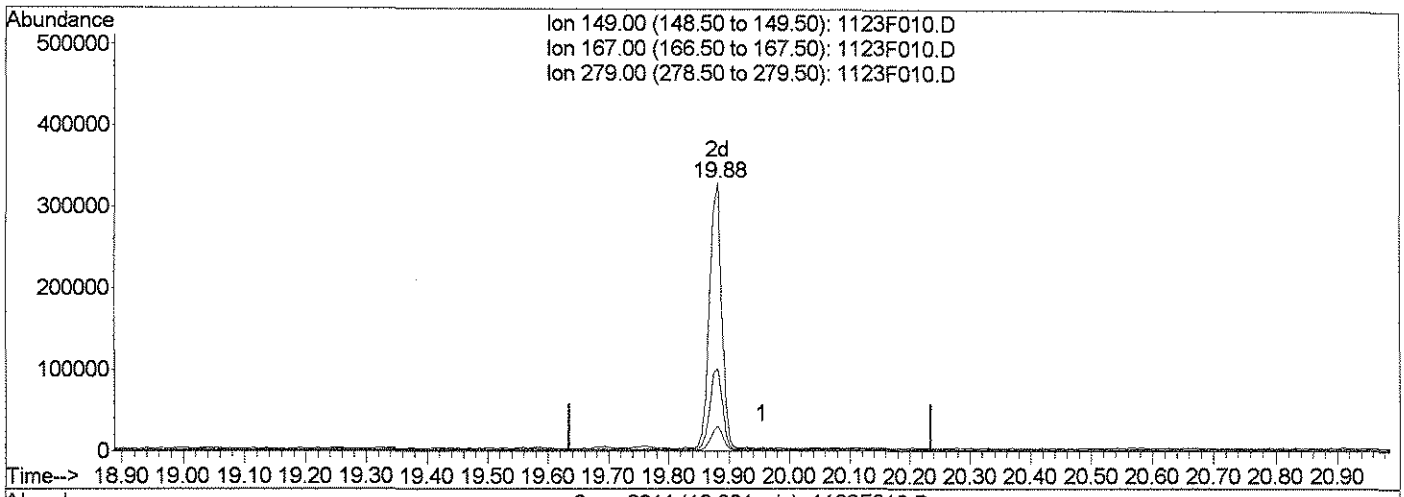
Quantitation Report (Qedit)

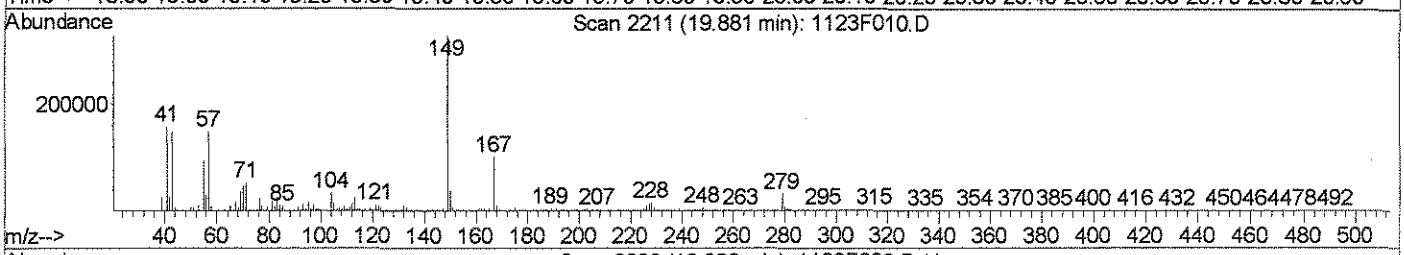
Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:39 2010

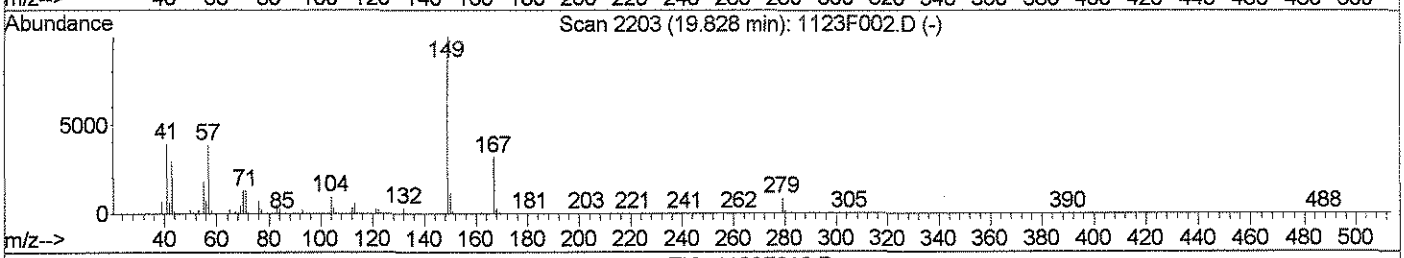
Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F010.D

(78) Bis(2-ethylhexyl) Phthalate (T)

19.88min 2522.42ng/ml m

response 468695

Ion	Exp%	Act%
149.00	100	100
167.00	32.10	30.78
279.00	9.60	9.39
0.00	0.00	0.00

WP
LB 11/24/10

1123F010.D 111510_BNLL.M Wed Nov 24 08:39:59 2010

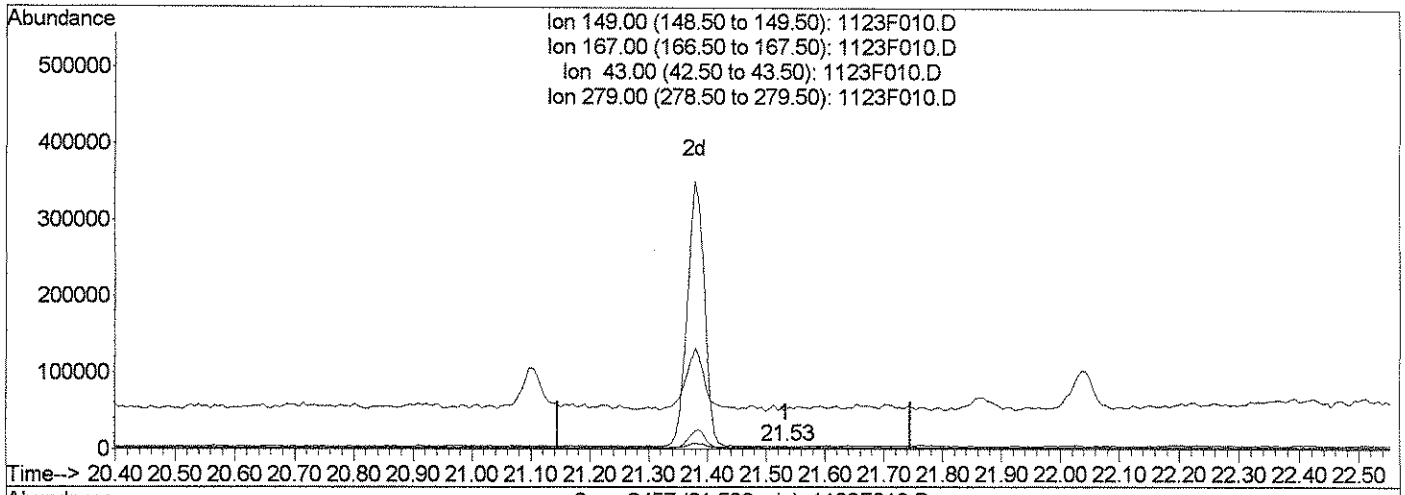
Quantitation Report (Qedit)

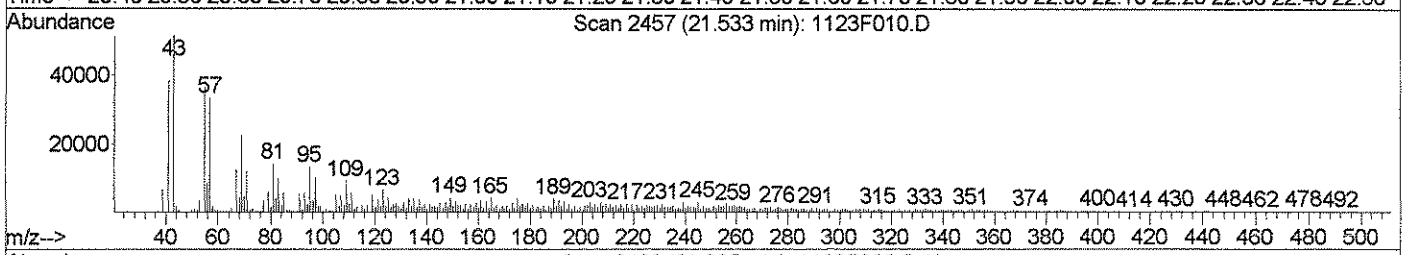
Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:39 2010

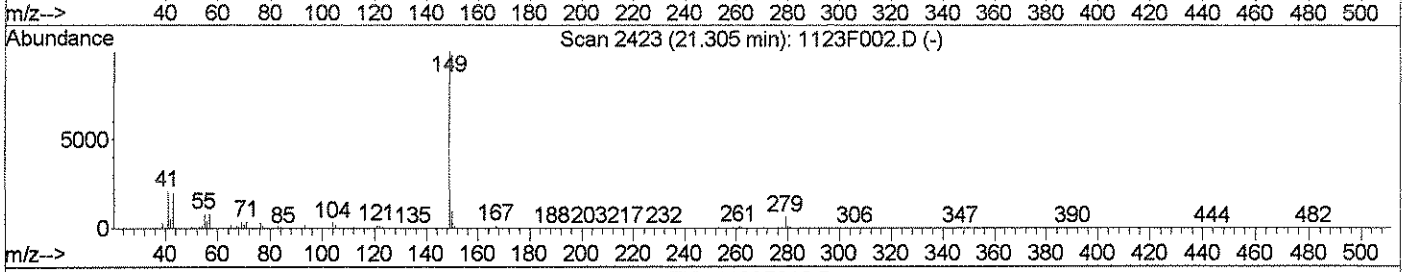
Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F010.D

(80) Di-n-octyl Phthalate (TC)

21.53min 4.20ng/ml

response 1307

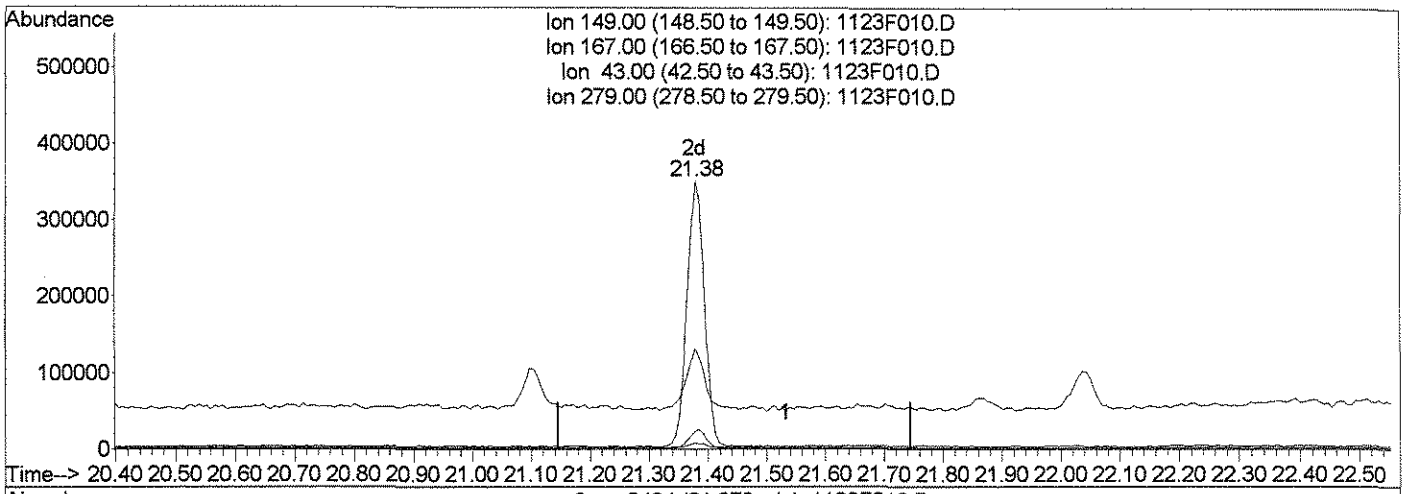
Ion	Exp%	Act%
149.00	100	100
167.00	1.60	9.91
43.00	20.40	0.00
279.00	7.20	11.94

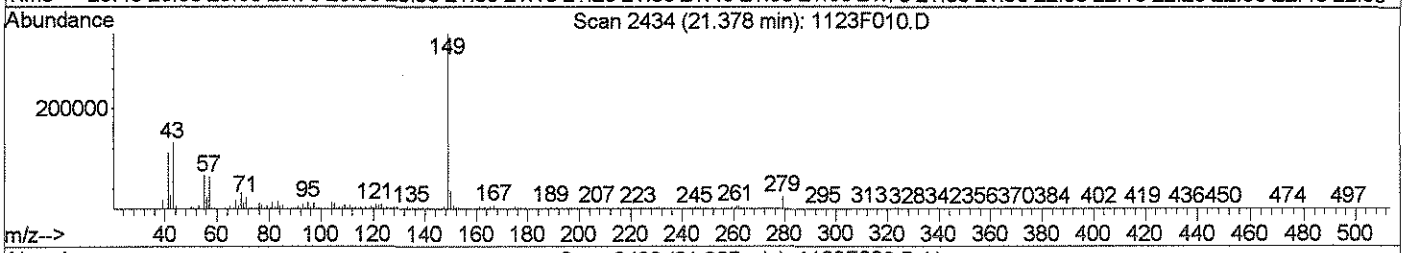
Quantitation Report (Qedit)

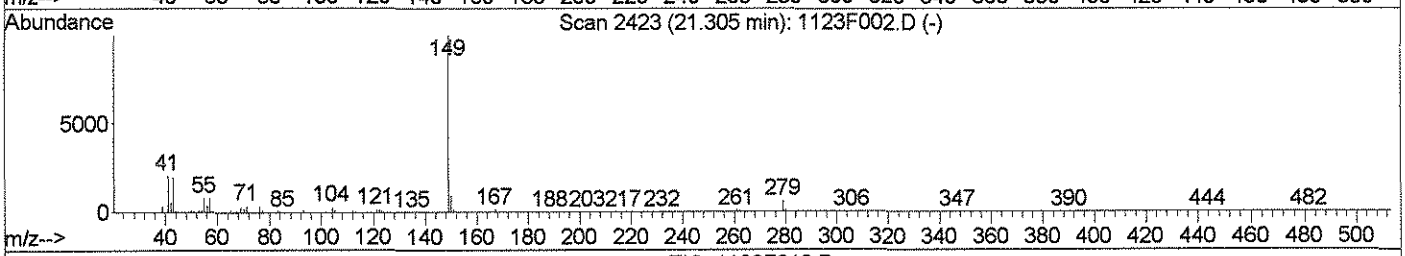
Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:40 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F010.D

(80) Di-n-octyl Phthalate (TC)

21.38min 2361.33ng/ml m

response 734895

Ion	Exp%	Act%
149.00	100	100
167.00	1.60	2.16
43.00	20.40	37.46
279.00	7.20	6.79

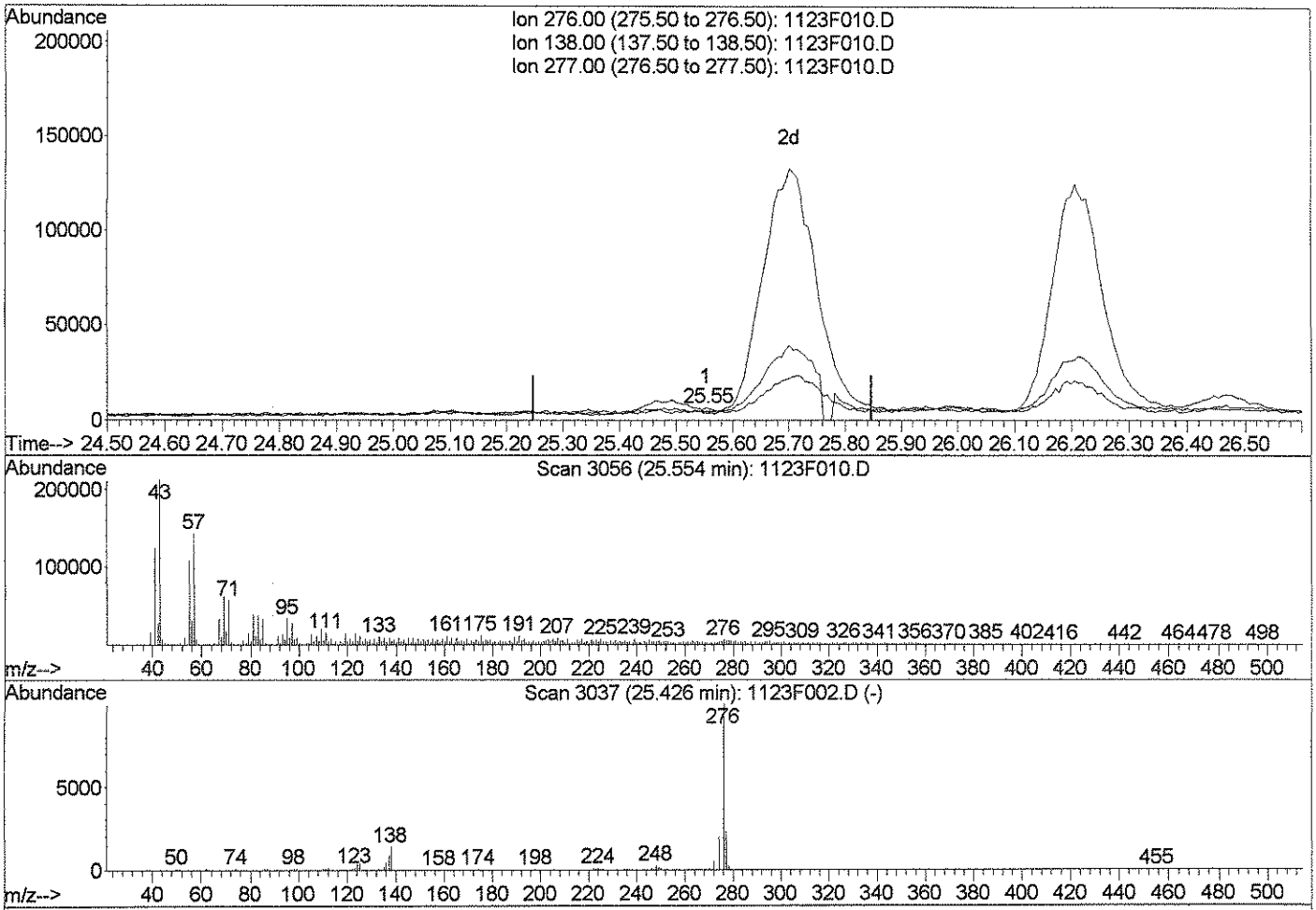
WP
LB 11/24/10

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:40 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration



(84) Indeno(1,2,3-cd)pyrene (T)

25.55min 12.00ng/ml

response 2678

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	20.83
277.00	23.00	6.48
0.00	0.00	0.00

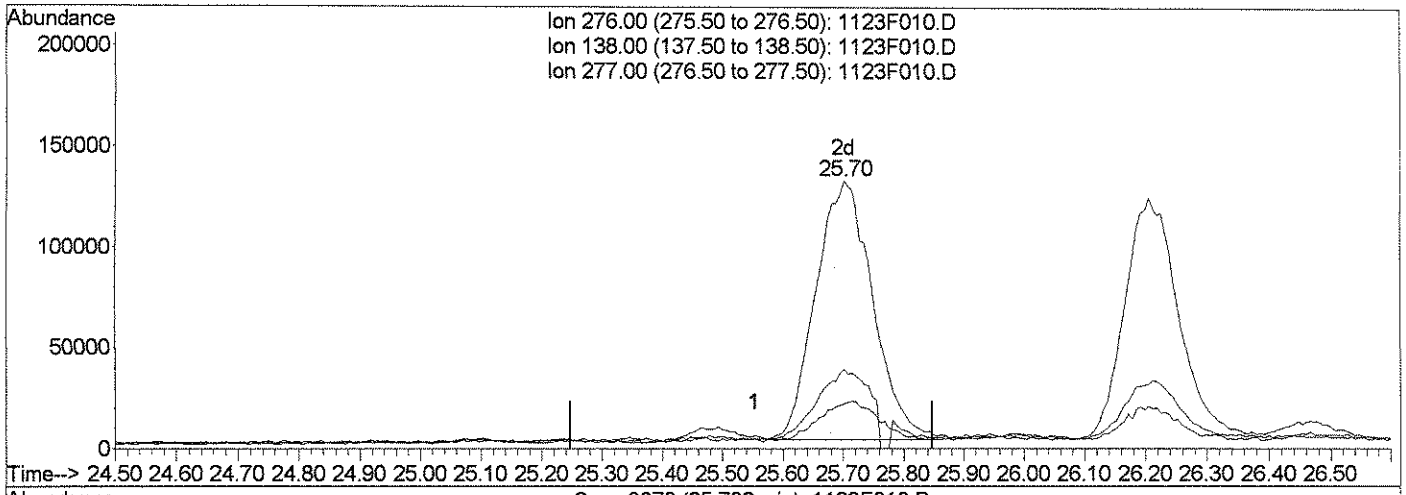
Quantitation Report (Qedit)

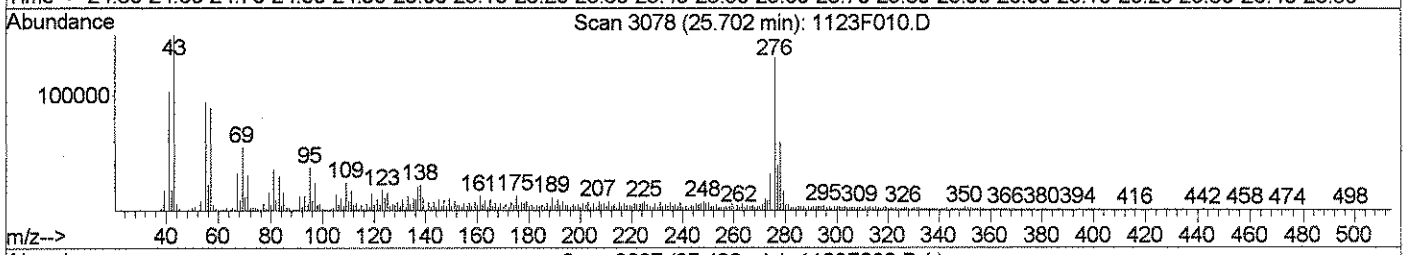
Data File : J:\MS06\DATA\112310\1123F010.D
Acq On : 23 Nov 2010 6:48 pm
Sample : K1012914-010DMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:40 2010

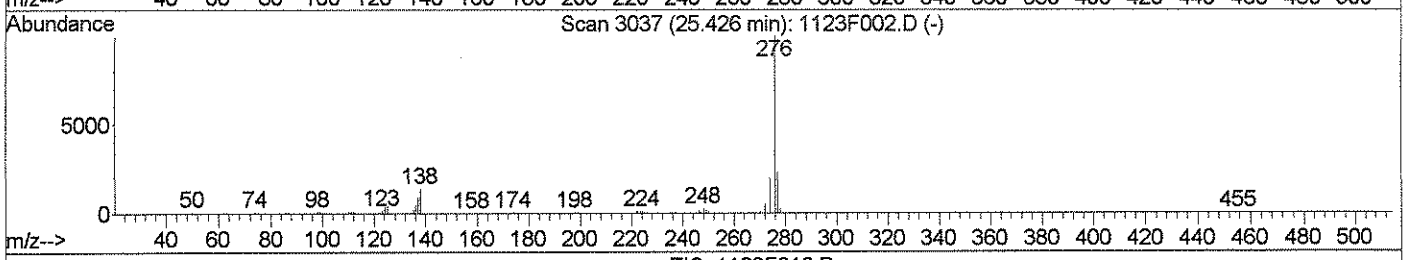
Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F010.D

(84) Indeno(1,2,3-cd)pyrene (T)

25.70min 3760.29ng/ml m

response 838920

Ion	Exp%	Act%
276.00	100	100
138.00	14.30	16.60
277.00	23.00	29.40
0.00	0.00	0.00

WP
LB 11/24/10

1123F010.D 111510_BNLL.M Wed Nov 24 08:40:15 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Lab Control Sample
Lab Code: KWG1012700-3

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	200	200	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	**165**		50	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	**156**		10	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	**161**		30	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	**151**		10	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	**159**		10	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	**154**		10	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	**166**		10	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	**152**		10	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	**161**		10	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	**157**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	**71.6**		50	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	**158**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	**154**		10	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	**150**		10	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	**137**		10	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	**158**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	**88.4**		50	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	**149**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	**150**		10	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**161**		10	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**179**		10	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	**180**		10	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**158**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	**72.3**	J	200	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	**153**		100	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	**186**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**162**		10	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	**160**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	**179**		10	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	**148**		100	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	**168**		10	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	**174**		10	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Units:**	ug/Kg
Lab Code:	KWG1012700-3	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	**174**		10	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	**178**		10	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	**134**		100	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**184**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**184**		10	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	**198**		20	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**196**		10	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**199**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	**202**		10	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	**132**		100	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**197**		10	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**196**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	**212**		100	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	**215**		10	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**198**		10	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**199**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**198**		10	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**201**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**199**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**198**		10	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	50	11-80	11/23/10	Acceptable
Phenol-d6	60	20-86	11/23/10	Acceptable
Nitrobenzene-d5	62	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	56	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	69	10-119	11/23/10	Acceptable
Terphenyl-d14	86	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Units:**	ug/Kg
Lab Code:	KWG1012700-3	**Basis:**	Dry

Analyte Comments	
Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F004.D
Lab ID: KWG1012700-3
RunType: LCS
Matrix: SEDIMENT

Date Acquired: 11/23/2010 15:01
Date Quantitated: 11/24/2010 08:27
Batch ID: KWG1012886
Analysis Method: 8270C
MethodJoinID: MJ142

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

L12914

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Std MRL Unsupported by ICAL	2,3,4,6-Tetrachlorophenol	50	10	NA	NT

Primary Review: LB 11/24/10

Secondary Review: CO 11/24/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/23/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979844	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:			
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Method**	

Data File:	J:\MS06\DATA\112310\1123F004.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 15:01	**Quant Date:**	11/24/2010 08:27	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG1012700-3			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.20	0.01	152	84460	1,000.00	OK
2	Naphthalene-d8	10.07	0.00	136	264239	1,000.00	OK
3	Acenaphthene-d10	12.87	0.00	164	138370	1,000.00	OK
4	Phenanthrene-d10	15.28	0.00	188	264138	1,000.00	OK
5	Chrysene-d12	19.62	0.00	240	303589	1,000.00	OK
6	Perylene-d12	23.00	0.00	264	264212	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.56	0.00	0.00	112	155670	1,864	50	11-80	OK
1	Phenol-d6	7.75	0.00	0.00	99	221568	2,260	60	20-86	OK
1	Nitrobenzene-d5	9.00	0.00	0.00	82	172073	1,547	62	27-91	OK
3	2-Fluorobiphenyl	11.83	0.00	0.00	172	321305	1,412	56	25-97	OK
4	2,4,6-Tribromophenol	14.17	0.00	0.00	330	118683	2,573	69	10-119	OK
5	Terphenyl-d14	17.93	0.00	0.00	244	512395	2,139	86	33-129	OK

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine	5.40	0.09	0.01	42	215764**m**	1,654	165		
1	Pyridine	5.44	0.11	0.01	79	67539**m**	760.62	76.1		
1	Bis(2-chloroethyl) Ether	7.86		0.00	93	122947**m**	1,562	156		
1	Phenol	7.77		0.00	94	173447	1,606	161		
1	Aniline	7.77	0.01	0.00	93	117957	1,054	105		
1	2-Chlorophenol	7.92		0.00	128	148304	1,509	151		
1	1,3-Dichlorobenzene	8.11		0.00	146	169871	1,373	137		
1	1,4-Dichlorobenzene	8.22		0.00	146	173578	1,383	138		
1	1,2-Dichlorobenzene	8.43		0.00	146	168690	1,459	146		
1	Benzyl Alcohol	8.43		0.00	108	80899	1,620	162		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F004.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 15:01	**Quant Date:**	11/24/2010 08:27	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG1012700-3			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bis(2-chloroisopropyl) Ether	8.62		0.00	45	265283	1,591	159		
1	2-Methylphenol	8.60	-0.01	0.00	107	98328	1,365	137		
1	Acetophenone	8.81	0.02	0.00	105	21550	182.29	18.2	J	
1	Hexachloroethane	8.91		0.00	117	76162	1,539	154		
1	N-Nitrosodi-n-propylamine	8.81		0.00	70	118362	1,665	166		
1	4-Methylphenol	8.84		0.00	107	136014	1,448	145		
1	Nitrobenzene	9.03		0.00	77	168758	1,523	152		
2	Isophorone	9.40		0.00	82	297075	1,610	161		
2	2-Nitrophenol	9.50		0.00	139	88235	1,574	157		
2	2,4-Dimethylphenol	9.62	-0.01	0.00	122	55929	716.01	71.6		
2	Bis(2-chloroethoxy)methane	9.76	-0.01	0.00	93	140547	1,585	158		
2	2,4-Dichlorophenol	9.89		0.00	162	128731	1,544	154		
2	Benzoic Acid				122	0d		96	U	
2	1,2,4-Trichlorobenzene	9.99	-0.01	0.00	180	159086	1,423	142		
2	Naphthalene	10.11		0.00	128	394125	1,498	150		
2	4-Chloroaniline	10.24	0.01	0.00	127	139855	1,268	127		
2	Hexachlorobutadiene	10.32		0.00	225	120457	1,365	137		
2	4-Chloro-3-methylphenol	11.05		0.00	107	133606	1,576	158		
2	2-Methylnaphthalene	11.21		0.00	141	227485	1,524	152		
2	1-Methylnaphthalene	11.36		0.00	141	231407	1,502	150		
3	Hexachlorocyclopentadiene	11.46		0.00	237	86033	884.30	88.4		
3	2,4,6-Trichlorophenol	11.69		0.00	196	107691	1,489	149		
3	2,4,5-Trichlorophenol	11.76		0.00	196	117068	1,501	150		
3	2-Chloronaphthalene	11.98		0.00	127	113376	1,503	150		
3	2-Nitroaniline	12.19	-0.01	0.00	65	116598	1,781	178		
3	Acenaphthylene	12.64		0.00	152	432398	1,614	161		
3	Dimethyl Phthalate	12.52	-0.01	0.00	163	384646	1,790	179		
3	2,6-Dinitrotoluene	12.60	-0.01	0.00	165	90850	1,805	180		
3	Acenaphthene	12.93		0.00	154	241798	1,580	158		
3	3-Nitroaniline	12.87		0.00	138	85020	1,735	173		
3	2,4-Dinitrophenol	13.04	-0.01	0.00	184	20815	723.00	72.3	J	
3	Dibenzofuran	13.22		0.00	168	396098	1,576	158		
3	4-Nitrophenol	13.24		0.00	109	68989	1,525	153		
3	2,4-Dinitrotoluene	13.26		0.00	165	133547	1,856	186		
3	2,3,4,6-Tetrachlorophenol	13.44	-0.01	0.00	232	112309	1,520	152		
3	Fluorene	13.77		0.00	166	317455	1,618	162		
3	4-Chlorophenyl Phenyl Ether	13.81		0.00	204	191644	1,599	160		
3	Diethyl Phthalate	13.69		0.00	149	407145	1,786	179		
3	4-Nitroaniline	13.86	-0.01	0.00	138	86453	1,740	174		
3	2-Methyl-4,6-dinitrophenol	13.91		0.00	198	73631	1,485	148		
3	N-Nitrosodiphenylamine	14.01		0.00	169	238543	1,684	168		
3	Azobenzene	14.06		0.00	77	380109	1,744	174		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F004.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 15:01	**Quant Date:**	11/24/2010 08:27	**Vial:**	4
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG1012700-3			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
4	4-Bromophenyl Phenyl Ether	14.59	-0.01	0.00	248	134341	1,743	174		
4	Hexachlorobenzene	14.66		0.00	284	149961	1,780	178		
4	Pentachlorophenol	15.01		0.00	266	73625	1,336	134		
4	Phenanthrene	15.32		0.00	178	487064	1,840	184		
4	Anthracene	15.40		0.00	178	506512	1,841	184		
4	Carbazole	15.71		0.00	167	467727	1,945	194		
4	Di-n-butyl Phthalate	16.36		0.00	149	665333	1,981	198		
4	Fluoranthene	17.25		0.00	202	645826	1,957	196		
5	Benzidine				184	0		200	U	
5	Pyrene	17.61		0.00	202	650581	1,989	199		
5	Butyl Benzyl Phthalate	18.78		0.00	149	288203	2,017	202		
5	3,3'-Dichlorobenzidine	19.61	-0.01	0.00	252	171002	1,319	132		
5	Benz(a)anthracene	19.60	-0.01	0.00	228	619420	1,973	197		
5	Chrysene	19.67		0.00	228	613578	1,960	196		
5	Bis(2-ethylhexyl) Phthalate	19.83		0.00	149	401106	2,116	212		
6	Di-n-octyl Phthalate	21.30		0.00	149	640602	2,146	215		
6	Benzo(b)fluoranthene	22.01		0.00	252	561104	1,978	198		
6	Benzo(k)fluoranthene	22.08	-0.02	0.00	252	599197	1,991	199		
6	Benzo(a)pyrene	22.86		0.00	252	469039	1,975	198		
6	Indeno(1,2,3-cd)pyrene	25.42	-0.01	0.00	276	429966	2,009	201		
6	Dibenz(a,h)anthracene	25.49	-0.01	0.00	278	448209	1,995	199		
6	Benzo(g,h,i)perylene	25.92		0.00	276	465959	1,977	198		
	Thiophenol				0	0		30	U	NR

Prep Amount:	20.000 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F004.D
Acq On : 23 Nov 2010 3:01 pm
Sample : KWG1012700-03 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:11 2010

Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	84460	1000.00 ng/ml	-0.07
22) Naphthalene-d8	10.07	136	264239	1000.00 ng/ml	-0.07
36) Acenaphthene-d10	12.87	164	138370	1000.00 ng/ml	-0.07
60) Phenanthrene-d10	15.28	188	264138	1000.00 ng/ml	-0.08
70) Chrysene-d12	19.62	240	303589	1000.00 ng/ml	-0.10
79) Perylene-d12	23.00	264	264212	1000.00 ng/ml	-0.15

System Monitoring Compounds					
4) 2-Fluorophenol	6.56	112	155670	1863.79 ng/ml	-0.08
Spiked Amount 3750.000	Range 38 - 110		Recovery = 49.70%		
6) Phenol-d6	7.75	99	221568	2260.35 ng/ml	-0.06
Spiked Amount 3750.000	Range 43 - 128		Recovery = 60.28%		
20) Nitrobenzene-d5	9.00	82	172073	1546.85 ng/ml	-0.07
Spiked Amount 2500.000	Range 30 - 139		Recovery = 61.87%		
40) 2-Fluorobiphenyl	11.83	172	321305	1412.39 ng/ml	-0.07
Spiked Amount 2500.000	Range 37 - 126		Recovery = 56.50%		
61) 2,4,6-Tribromophenol	14.17	330	118683	2572.85 ng/ml	-0.07
Spiked Amount 3750.000	Range 38 - 157		Recovery = 68.61%		
73) Terphenyl-d14	17.93	244	512395	2139.15 ng/ml	-0.09
Spiked Amount 2500.000	Range 54 - 158		Recovery = 85.57%		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.40	42	215764m	1653.87 ng/ml	
3) Pyridine	5.44	79	67539m	760.62 ng/ml	
5) Bis(2-chloroethyl) Ether	7.86	93	122947m	1561.72 ng/ml	
7) Phenol	7.77	94	173447	1605.95 ng/ml	93
8) Aniline	7.77	93	117957	1054.25 ng/ml#	3
9) 2-Chlorophenol	7.92	128	148304	1509.39 ng/ml	97
10) 1,3-Dichlorobenzene	8.11	146	169871	1373.17 ng/ml	97
11) 1,4-Dichlorobenzene	8.22	146	173578	1382.80 ng/ml	97
12) 1,2-Dichlorobenzene	8.43	146	168690	1458.59 ng/ml	98
13) Benzyl Alcohol	8.43	108	80899	1619.99 ng/ml	95
14) Bis(2-chloroisopropyl) Eth	8.62	45	265283	1590.84 ng/ml	93
15) 2-Methylphenol	8.60	107	98328	1365.17 ng/ml	93
16) Acetophenone	8.81	105	21550	182.29 ng/ml	93
17) Hexachloroethane	8.91	117	76162	1539.32 ng/ml	85
18) N-Nitrosodi-n-propylamine	8.81	70	118362	1664.98 ng/ml	100
19) 4-Methylphenol	8.84	107	136014	1448.23 ng/ml	97
21) Nitrobenzene	9.03	77	168758	1522.54 ng/ml	98
23) Isophorone	9.40	82	297075	1610.22 ng/ml	96
24) 2-Nitrophenol	9.50	139	88235	1573.99 ng/ml	99
25) 2,4-Dimethylphenol	9.62	122	55929	716.01 ng/ml	97

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F004.D
Acq On : 23 Nov 2010 3:01 pm
Sample : KWG1012700-03 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:11 2010

Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.76	93	140547	1584.52 ng/ml	99
27)	2,4-Dichlorophenol	9.89	162	128731	1543.85 ng/ml	98
29)	1,2,4-Trichlorobenzene	9.99	180	159086	1423.20 ng/ml	99
30)	Naphthalene	10.11	128	394125	1497.72 ng/ml	78
31)	4-Chloroaniline	10.24	127	139855	1268.33 ng/ml	96
32)	Hexachlorobutadiene	10.32	225	120457	1365.06 ng/ml	99
33)	4-Chloro-3-methylphenol	11.05	107	133606	1575.65 ng/ml	99
34)	2-Methylnaphthalene	11.21	141	227485	1524.46 ng/ml	96
35)	1-Methylnaphthalene	11.36	141	231407	1502.49 ng/ml	97
37)	Hexachlorocyclopentadiene	11.46	237	86033	884.30 ng/ml	98
38)	2,4,6-Trichlorophenol	11.69	196	107691	1488.76 ng/ml	98
39)	2,4,5-Trichlorophenol	11.76	196	117068	1501.29 ng/ml	96
41)	2-Chloronaphthalene	11.98	127	113376	1503.02 ng/ml	98
42)	2-Nitroaniline	12.19	65	116598	1780.62 ng/ml	98
43)	Acenaphthylene	12.64	152	432398	1613.98 ng/ml	100
44)	Dimethyl Phthalate	12.52	163	384646	1789.67 ng/ml	99
45)	2,6-Dinitrotoluene	12.60	165	90850	1804.65 ng/ml	94
46)	Acenaphthene	12.93	154	241798	1580.04 ng/ml	99
47)	3-Nitroaniline	12.87	138	85020	1734.58 ng/ml	95
48)	2,4-Dinitrophenol	13.04	184	20815	723.00 ng/ml	87
49)	Dibenzofuran	13.22	168	396098	1575.53 ng/ml	93
50)	4-Nitrophenol	13.24	109	68989	1525.15 ng/ml#	77
51)	2,4-Dinitrotoluene	13.26	165	133547	1856.40 ng/ml	89
52)	2,3,4,6-Tetrachlorophenol	13.44	232	112309	1520.38 ng/ml	93
53)	Fluorene	13.77	166	317455	1618.22 ng/ml	100
54)	4-Chlorophenyl Phenyl Ethe	13.81	204	191644	1599.16 ng/ml	99
55)	Diethyl Phthalate	13.69	149	407145	1785.98 ng/ml	99
56)	4-Nitroaniline	13.86	138	86453	1740.13 ng/ml	97
57)	2-Methyl-4,6-dinitrophenol	13.91	198	73631	1484.54 ng/ml	98
58)	N-Nitrosodiphenylamine	14.01	169	238543	1683.98 ng/ml	99
59)	Azobenzene	14.06	77	380109	1743.61 ng/ml	97
62)	4-Bromophenyl Phenyl Ether	14.59	248	134341	1743.35 ng/ml	99
63)	Hexachlorobenzene	14.66	284	149961	1779.60 ng/ml	94
64)	Pentachlorophenol	15.01	266	73625	1336.40 ng/ml	97
65)	Phenanthrene	15.32	178	487064	1839.63 ng/ml	99
66)	Anthracene	15.40	178	506512	1841.10 ng/ml	99
67)	Carbazole	15.71	167	467727	1944.99 ng/ml	99
68)	Di-n-butyl Phthalate	16.36	149	665333	1980.81 ng/ml	99
69)	Fluoranthene	17.25	202	645826	1957.33 ng/ml	99
72)	Pyrene	17.61	202	650581	1988.58 ng/ml	100
74)	Butyl Benzyl Phthalate	18.78	149	288203	2016.58 ng/ml	98

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F004.D
Acq On : 23 Nov 2010 3:01 pm
Sample : KWG1012700-03 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:11 2010

Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75)	3,3'-Dichlorobenzidine	19.61	252	171002	1319.44 ng/ml	97
76)	Benz(a)anthracene	19.60	228	619420	1972.67 ng/ml	98
77)	Chrysene	19.67	228	613578	1959.78 ng/ml	98
78)	Bis(2-ethylhexyl) Phthalat	19.83	149	401106	2116.24 ng/ml	98
80)	Di-n-octyl Phthalate	21.30	149	640602	2145.99 ng/ml	98
81)	Benzo(b)fluoranthene	22.01	252	561104	1978.32 ng/ml	99
82)	Benzo(k)fluoranthene	22.08	252	599197	1991.46 ng/ml	99
83)	Benzo(a)pyrene	22.86	252	469039	1975.17 ng/ml	97
84)	Indeno(1,2,3-cd)pyrene	25.42	276	429966	2009.30 ng/ml	98
85)	Dibenz(a,h)anthracene	25.49	278	448209	1994.57 ng/ml	100
86)	Benzo(g,h,i)perylene	25.92	276	465959	1976.94 ng/ml	98

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

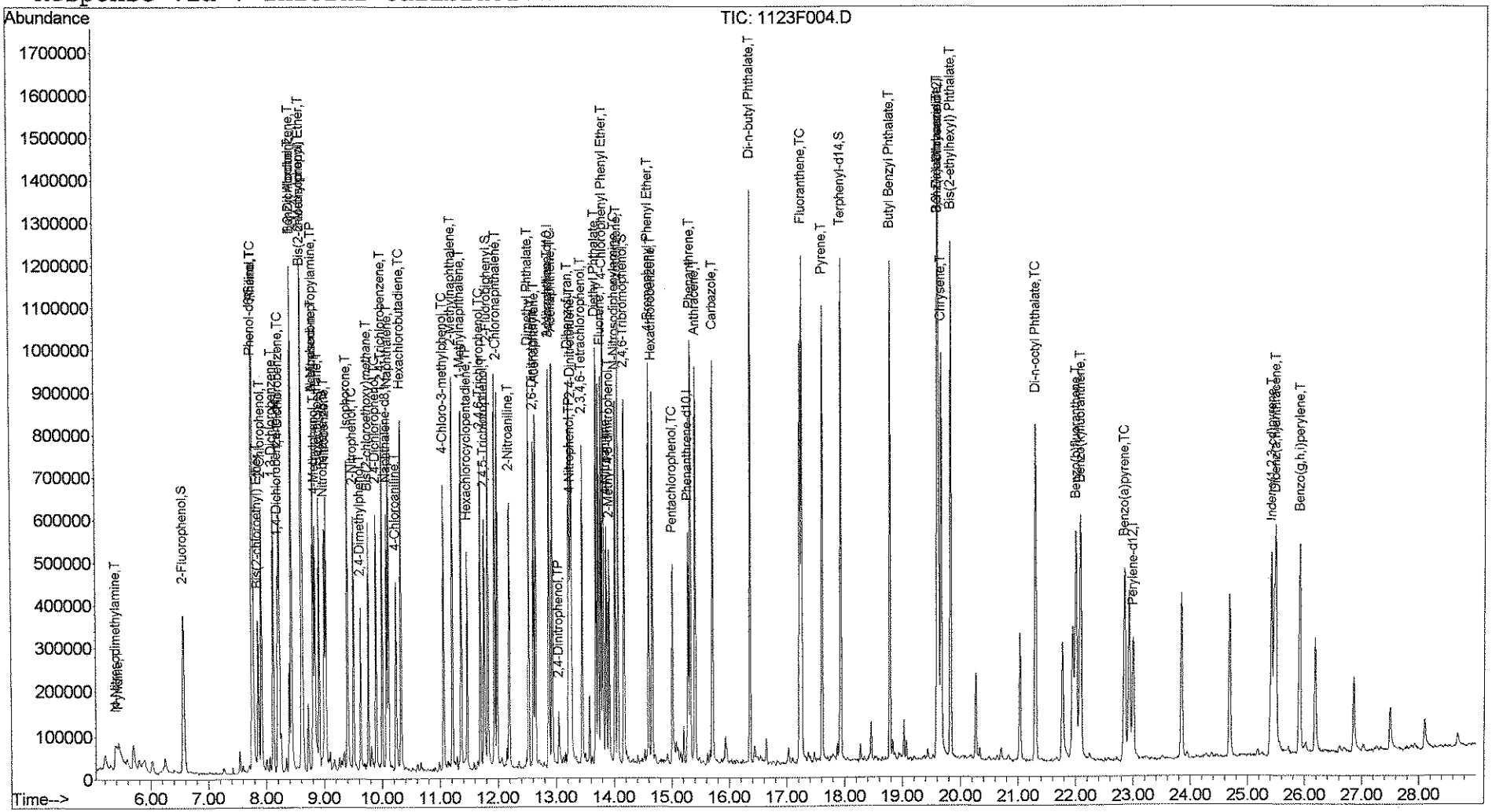
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F004.D
Acq On : 23 Nov 2010 3:01 pm
Sample : KWG1012700-03 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:27 2010

Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration



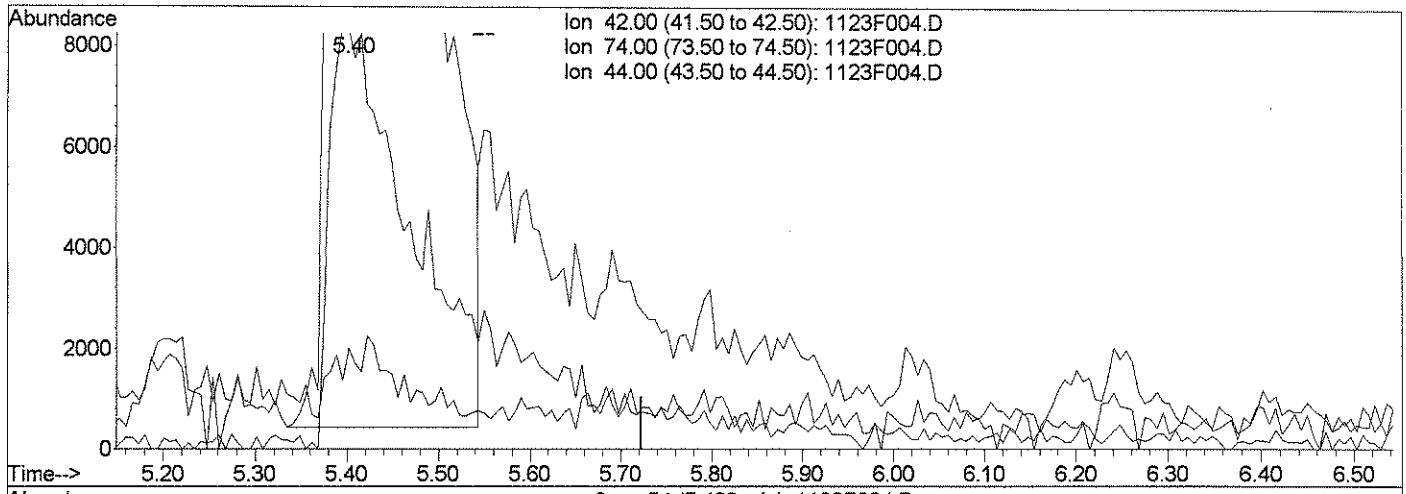
Quantitation Report (Qedit)

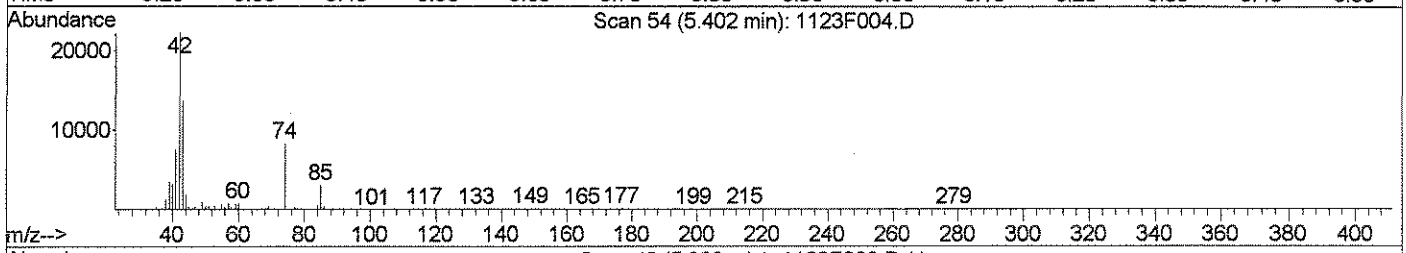
Data File : J:\MS06\DATA\112310\1123F004.D
Acq On : 23 Nov 2010 3:01 pm
Sample : KWG1012700-03 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:24 2010

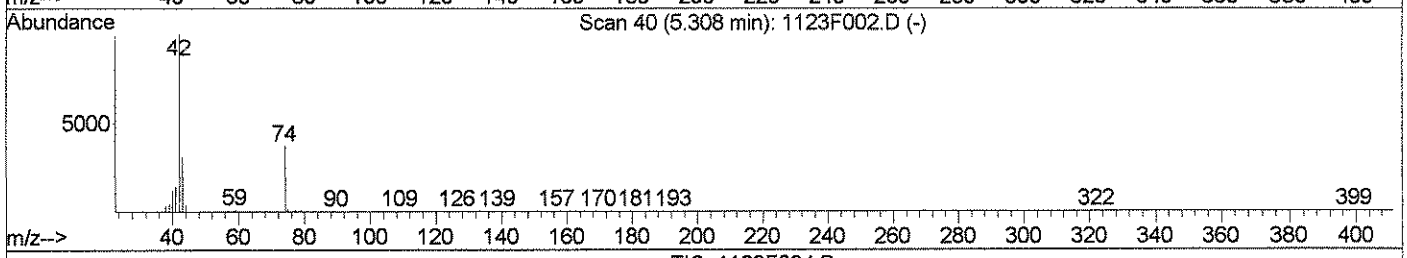
Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F004.D

(2) N-Nitrosodimethylamine (T)

5.40min 994.54ng/ml

response 129748

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	37.38
44.00	4.40	5.67
0.00	0.00	0.00

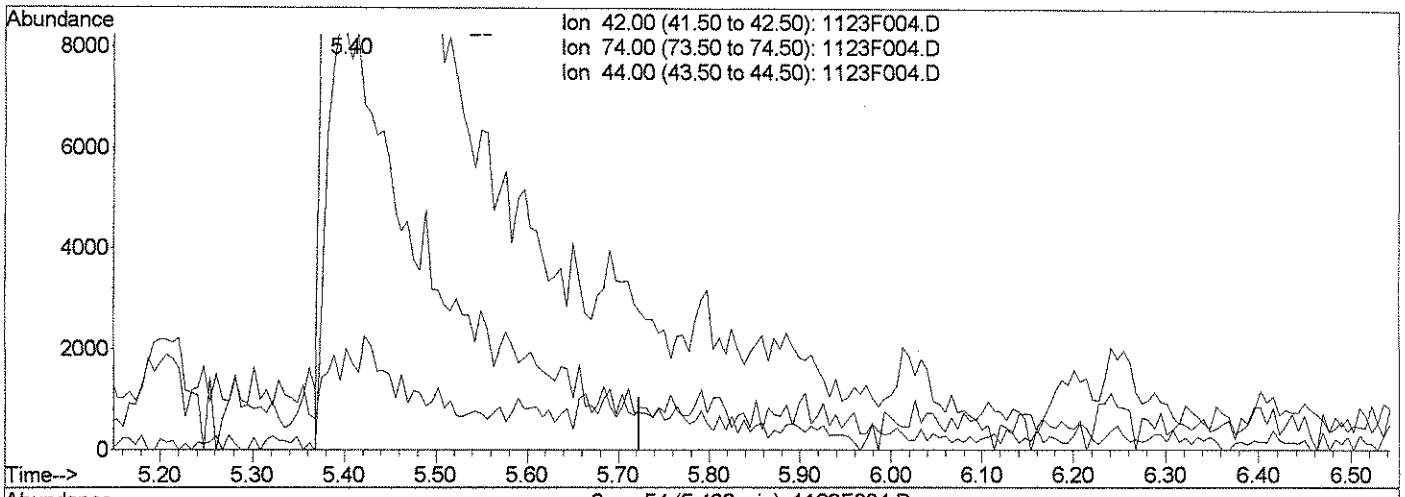
Quantitation Report (Qedit)

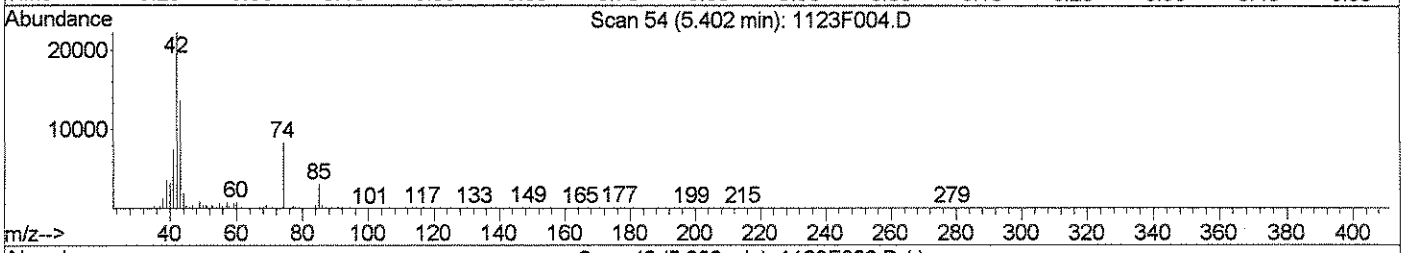
Data File : J:\MS06\DATA\112310\1123F004.D
Acq On : 23 Nov 2010 3:01 pm
Sample : KWG1012700-03 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:27 2010

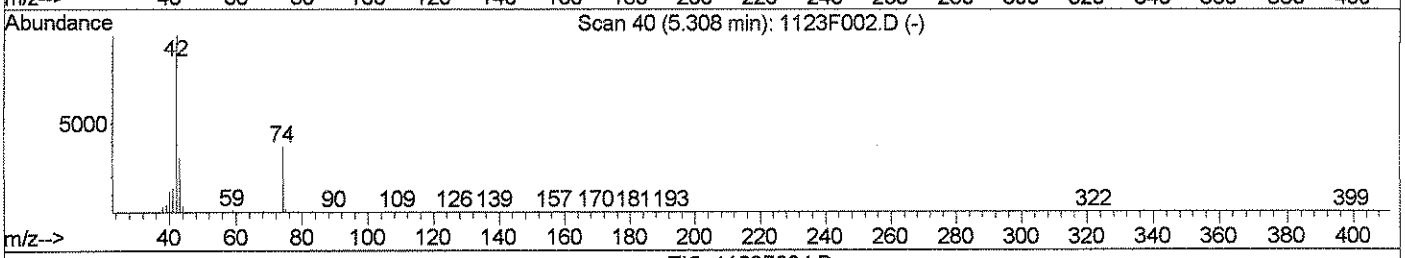
Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F004.D

(2) N-Nitrosodimethylamine (T)

5.40min 1653.87ng/ml m

response 215764

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	37.44
44.00	4.40	8.98
0.00	0.00	0.00

1c
LB 11/24/10

1123F004.D 111510_BNLL.M Wed Nov 24 08:27:22 2010

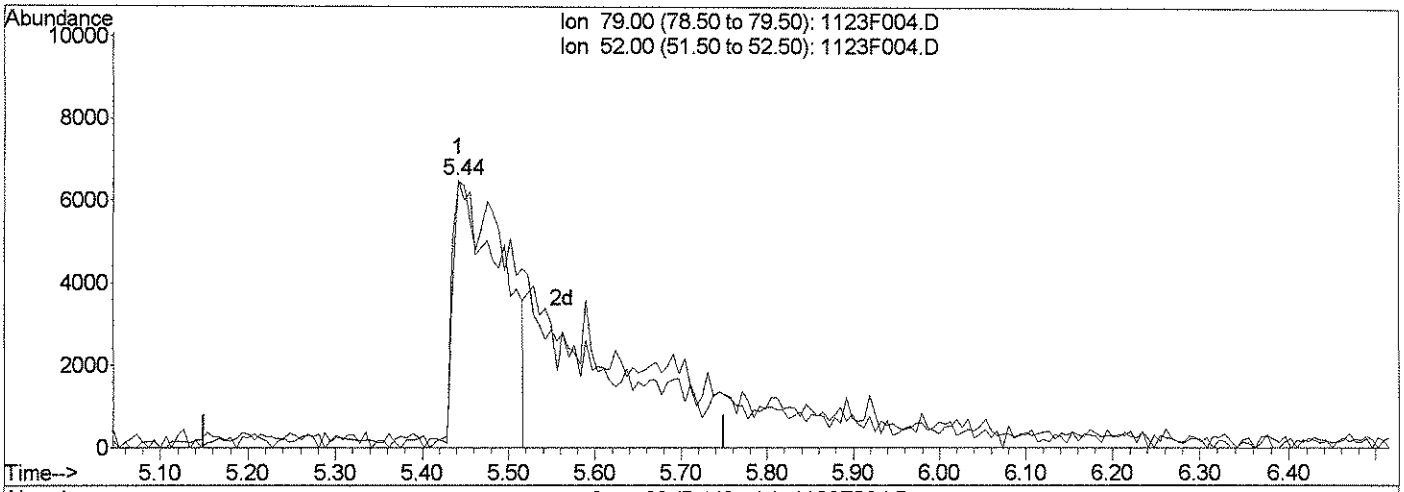
Quantitation Report (Qedit)

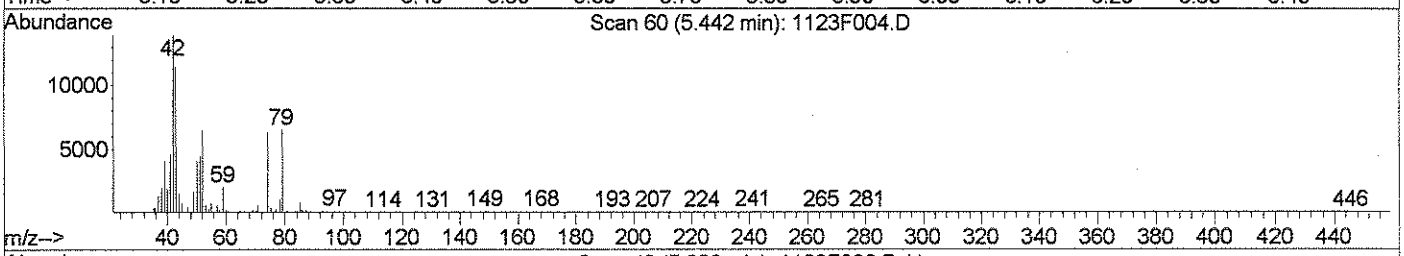
Data File : J:\MS06\DATA\112310\1123F004.D
Acq On : 23 Nov 2010 3:01 pm
Sample : KWG1012700-03 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:27 2010

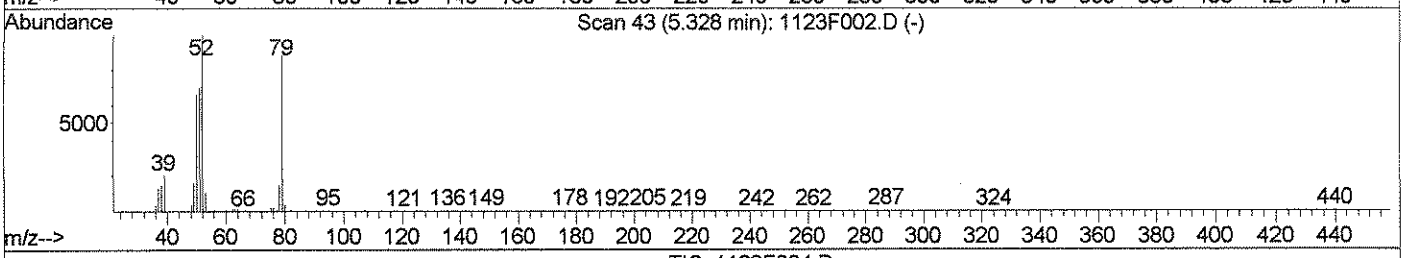
Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F004.D

(3) Pyridine (T)

5.44min 284.30ng/ml

response 25244

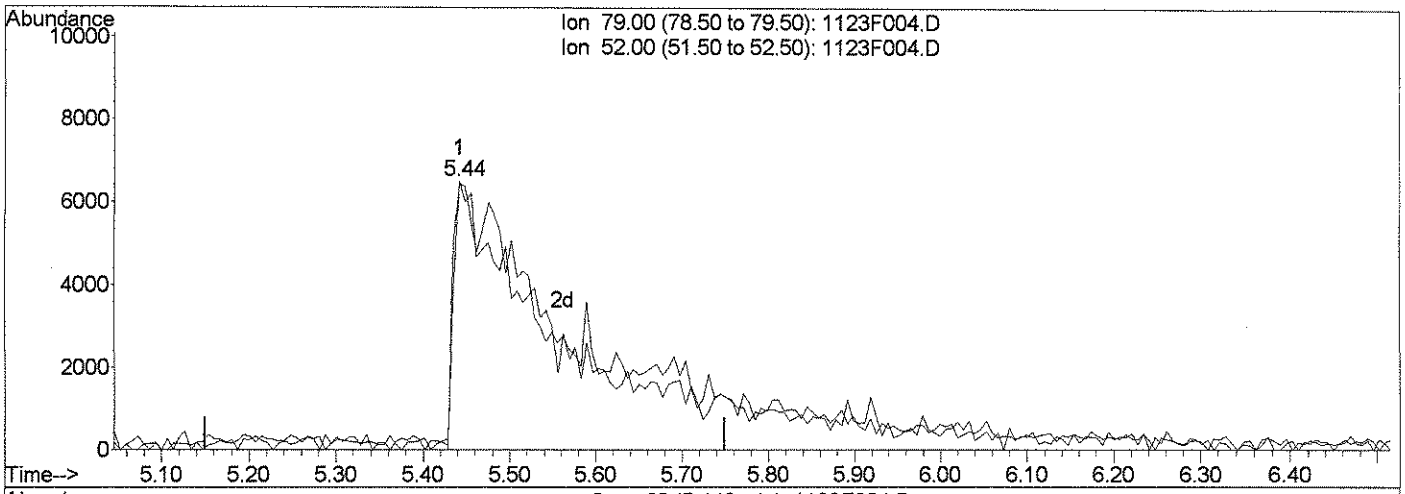
Ion	Exp%	Act%
79.00	100	100
52.00	97.10	96.05
0.00	0.00	0.00
0.00	0.00	0.00

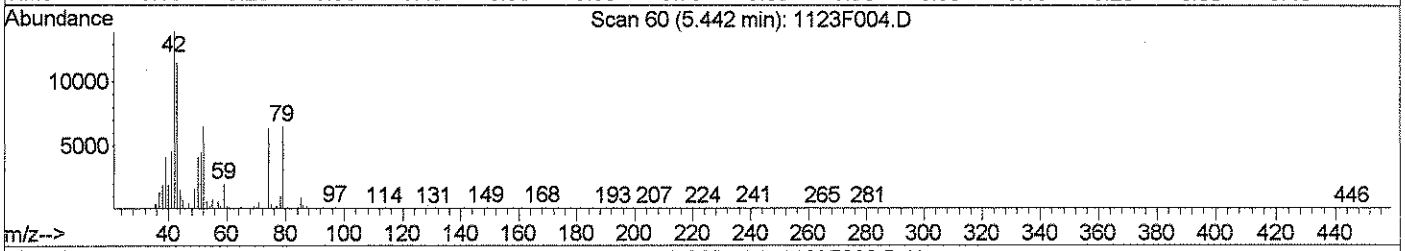
Quantitation Report (Qedit)

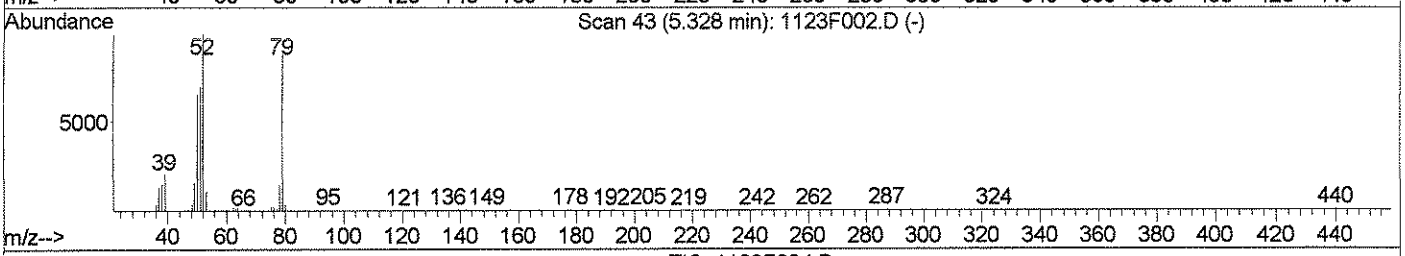
Data File : J:\MS06\DATA\112310\1123F004.D
Acq On : 23 Nov 2010 3:01 pm
Sample : KWG1012700-03 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:27 2010

Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F004.D

(3) Pyridine (T)

5.44min 760.62ng/ml m

response 67539

Ion	Exp%	Act%
79.00	100	100
52.00	97.10	99.34
0.00	0.00	0.00
0.00	0.00	0.00

1c
LB 11/24/10

1123F004.D 111510_BNLL.M Wed Nov 24 08:27:30 2010

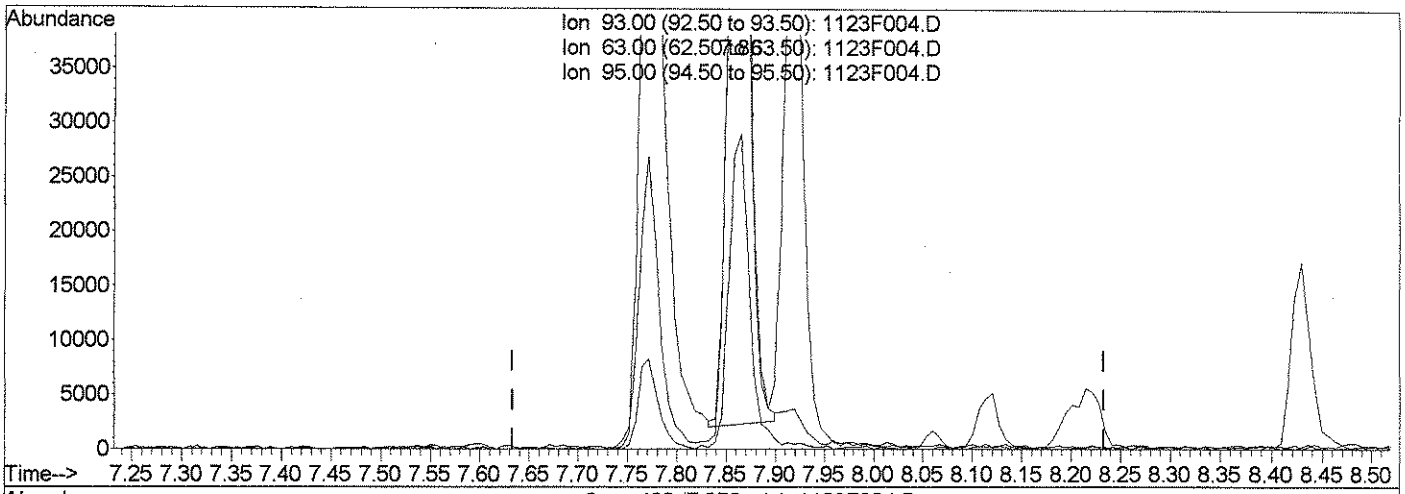
Quantitation Report (Qedit)

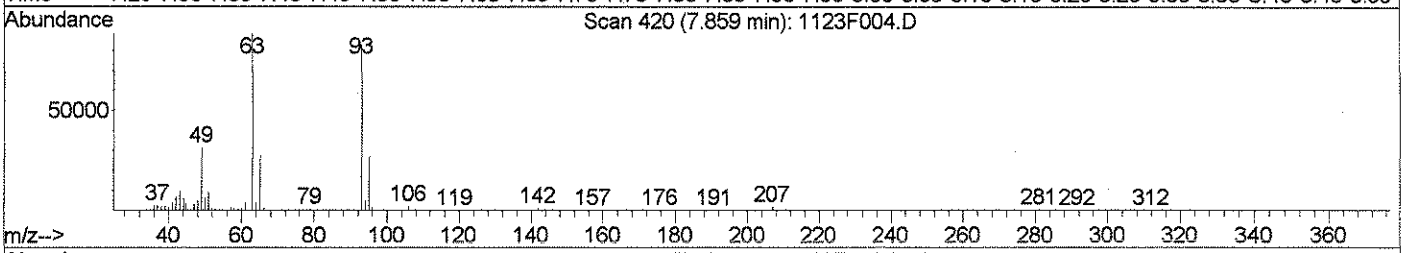
Data File : J:\MS06\DATA\112310\1123F004.D
Acq On : 23 Nov 2010 3:01 pm
Sample : KWG1012700-03 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:27 2010

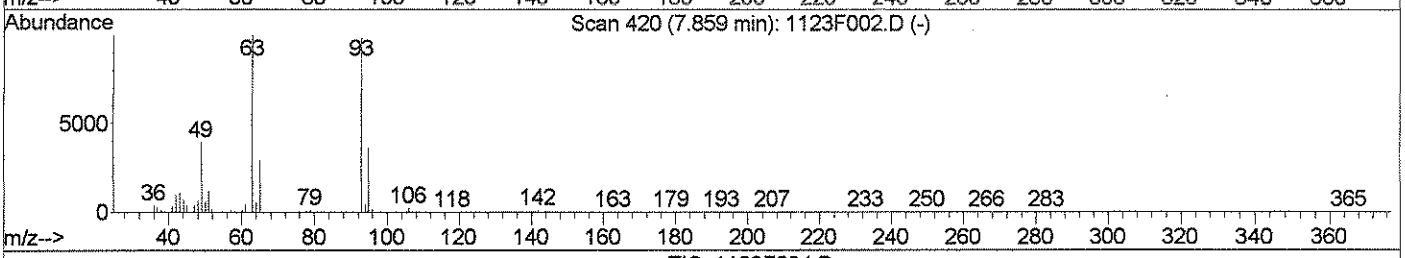
Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F004.D

(5) Bis(2-chloroethyl) Ether (T)

7.86min 1443.87ng/ml

response 113669

Ion	Exp%	Act%
93.00	100	100
63.00	101.10	108.92
95.00	36.80	33.42
0.00	0.00	0.00

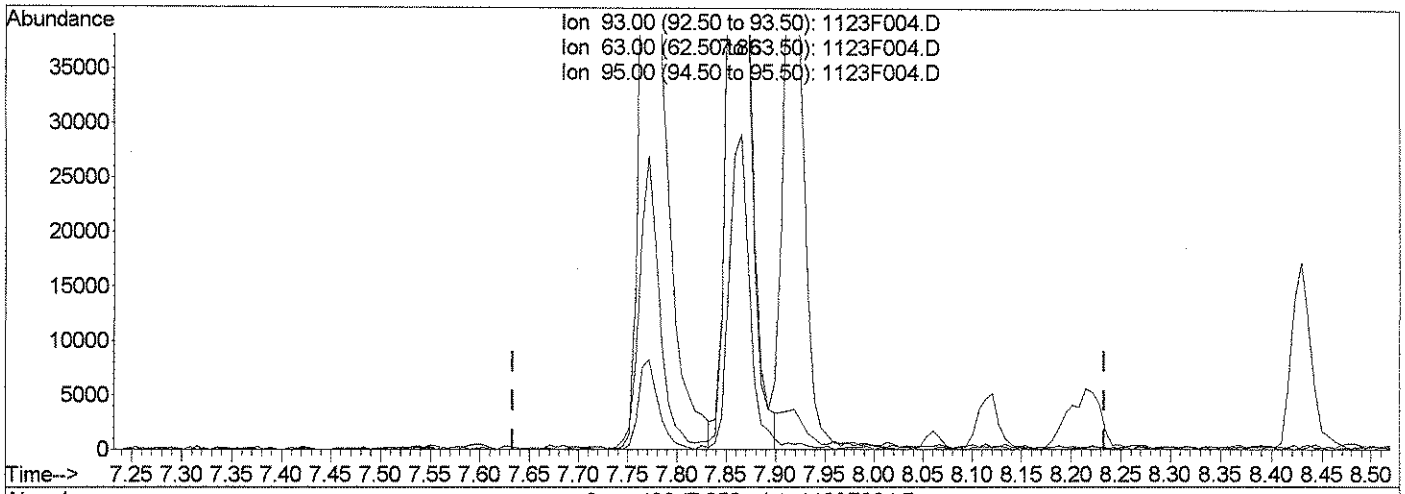
Quantitation Report (Qedit)

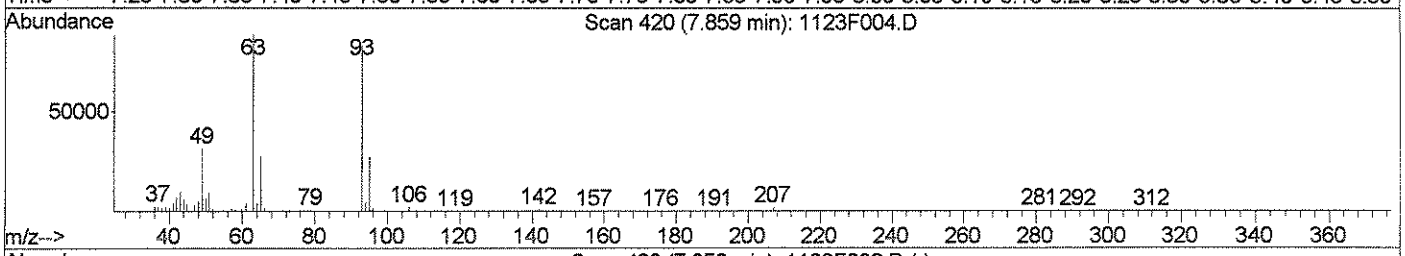
Data File : J:\MS06\DATA\112310\1123F004.D
Acq On : 23 Nov 2010 3:01 pm
Sample : KWG1012700-03 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:27 2010

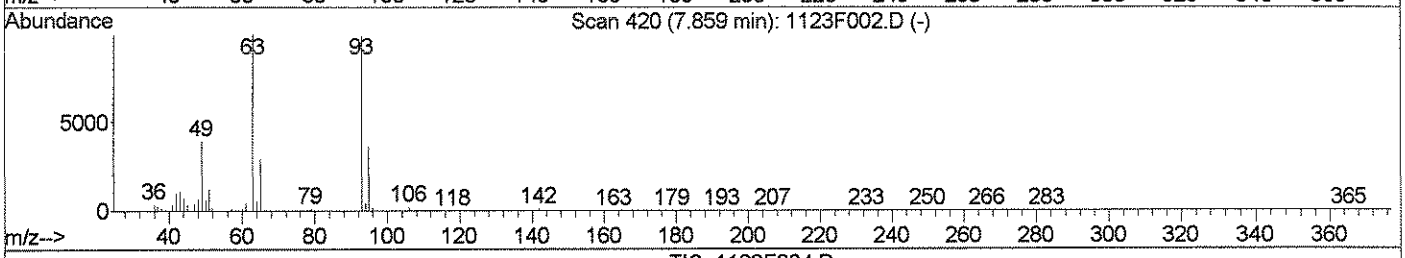
Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Multiple Level Calibration







TIC: 1123F004.D

(5) Bis(2-chloroethyl) Ether (T)

7.86min 1561.72ng/ml m

response 122947

Ion	Exp%	Act%
93.00	100	100
63.00	101.10	106.47
95.00	36.80	32.59
0.00	0.00	0.00

BL
LB 11/24/10

1123F004.D 111510_BNLL.M Wed Nov 24 08:27:40 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG1012700-4

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	200	200	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	**169**		50	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	**166**		10	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	**160**		30	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	**155**		10	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	**161**		10	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	**150**		10	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	**170**		10	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	**155**		10	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	**166**		10	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	**165**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	**73.9**		50	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	**169**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	**152**		10	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	**157**		10	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	**140**		10	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	**159**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	**91.2**		50	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	**151**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	**161**		10	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**167**		10	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**180**		10	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	**180**		10	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**163**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	**45.1**	J	200	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	**164**		100	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	**195**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**164**		10	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	**158**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	**188**		10	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	**145**		100	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	**171**		10	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	**172**		10	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Duplicate Lab Control Sample	**Units:**	ug/Kg
Lab Code:	KWG1012700-4	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	**166**		10	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	**172**		10	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	**134**		100	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**183**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**186**		10	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	**215**		20	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**210**		10	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**215**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	**224**		10	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	**149**		100	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**220**		10	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**215**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	**235**		100	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	**232**		10	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**212**		10	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**214**		10	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**215**		10	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**218**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**217**		10	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**213**		10	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	48	11-80	11/23/10	Acceptable
Phenol-d6	59	20-86	11/23/10	Acceptable
Nitrobenzene-d5	61	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	58	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	65	10-119	11/23/10	Acceptable
Terphenyl-d14	90	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Duplicate Lab Control Sample	**Units:**	ug/Kg
Lab Code:	KWG1012700-4	**Basis:**	Dry

† Analyte Comments

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

Exception Report

Data File: J:\MS06\DATA\112310\1123F005.D
Lab ID: KWG1012700-4
RunType: DLCS
Matrix: SEDIMENT

Date Acquired: 11/23/2010 15:39
Date Quantitated: 11/24/2010 08:28
Batch ID: KWG1012886
Analysis Method: 8270C
MethodJoinID: MJ142

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA		x
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

K12914

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Std MRL Unsupported by ICAL	2,3,4,6-Tetrachlorophenol	50	10	NA	NT

Primary Review: LB 11/24/10

Secondary Review: 11/24/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/23/2010

Analysis Lot:	KWG1012886	**Prep Lot:**	KWG1012700	**Report Group:**	
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	979845	**Prep Date:**	11/19/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:			
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:	J:\MS06\DATA\112310\1123F003.D	**Quant based on Method**	

Data File:	J:\MS06\DATA\112310\1123F005.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 15:39	**Quant Date:**	11/24/2010 08:28	**Vial:**	5
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG1012700-4			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.20	0.01	152	89206	1,000.00	OK
2	Naphthalene-d8	10.07	0.00	136	275304	1,000.00	OK
3	Acenaphthene-d10	12.88	0.01	164	139987	1,000.00	OK
4	Phenanthrene-d10	15.28	0.00	188	273905	1,000.00	OK
5	Chrysene-d12	19.62	0.00	240	308701	1,000.00	OK
6	Perylene-d12	23.00	0.00	264	275462	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.56	0.00	0.00	112	158174	1,793	48	11-80	OK
1	Phenol-d6	7.75	0.00	0.00	99	227722	2,200	59	20-86	OK
1	Nitrobenzene-d5	9.00	0.00	0.00	82	179930	1,531	61	27-91	OK
3	2-Fluorobiphenyl	11.82	-0.01	0.00	172	333769	1,450	58	25-97	OK
4	2,4,6-Tribromophenol	14.16	-0.01	0.00	330	117294	2,452	65	10-119	OK
5	Terphenyl-d14	17.93	0.00	0.00	244	550364	2,260	90	33-129	OK

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine	5.38	0.07	0.01	42	233321**m**	1,693	169		
1	Pyridine	5.44	0.11	0.01	79	66330**m**	707.26	70.7		
1	Bis(2-chloroethyl) Ether	7.86		0.00	93	137624	1,655	166		
1	Phenol	7.77		0.00	94	182170	1,597	160		
1	Aniline	7.77	0.01	0.00	93	124304	1,052	105		
1	2-Chlorophenol	7.91	-0.01	0.00	128	160448	1,546	155		
1	1,3-Dichlorobenzene	8.11		0.00	146	180656	1,383	138		
1	1,4-Dichlorobenzene	8.22		0.00	146	187221	1,412	141		
1	1,2-Dichlorobenzene	8.42	-0.01	0.00	146	181495	1,486	149		
1	Benzyl Alcohol	8.42	-0.01	0.00	108	89971	1,706	171		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F005.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 15:39	**Quant Date:**	11/24/2010 08:28	**Vial:**	5
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG1012700-4			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bis(2-chloroisopropyl) Ether	8.61	-0.01	0.00	45	283841	1,612	161		
1	2-Methylphenol	8.60	-0.01	0.00	107	105434	1,386	139		
1	Acetophenone	8.81	0.02	0.00	105	24088	192.91	19.3	J	
1	Hexachloroethane	8.91		0.00	117	78543	1,503	150		
1	N-Nitrosodi-n-propylamine	8.80	-0.01	0.00	70	127855	1,703	170		
1	4-Methylphenol	8.83	-0.01	0.00	107	142829	1,440	144		
1	Nitrobenzene	9.03		0.00	77	181599	1,551	155		
2	Isophorone	9.40		0.00	82	318813	1,659	166		
2	2-Nitrophenol	9.51	0.01	0.00	139	96617	1,654	165		
2	2,4-Dimethylphenol	9.63		0.00	122	60153	739.14	73.9		
2	Bis(2-chloroethoxy)methane	9.75	-0.02	0.00	93	156087	1,689	169		
2	2,4-Dichlorophenol	9.89		0.00	162	131891	1,518	152		
2	Benzoic Acid				122	0d		96	U	
2	1,2,4-Trichlorobenzene	10.00		0.00	180	172317	1,480	148		
2	Naphthalene	10.10	-0.01	0.00	128	429372	1,566	157		
2	4-Chloroaniline	10.23		0.00	127	158934	1,383	138		
2	Hexachlorobutadiene	10.32		0.00	225	128913	1,402	140		
2	4-Chloro-3-methylphenol	11.06	0.01	0.00	107	140217	1,587	159		
2	2-Methylnaphthalene	11.20	-0.01	0.00	141	249383	1,604	160		
2	1-Methylnaphthalene	11.36		0.00	141	251321	1,566	157		
3	Hexachlorocyclopentadiene	11.47	0.01	0.00	237	89770	911.88	91.2		
3	2,4,6-Trichlorophenol	11.69		0.00	196	110862	1,515	151		
3	2,4,5-Trichlorophenol	11.75	-0.01	0.00	196	124313	1,576	158		
3	2-Chloronaphthalene	11.98		0.00	127	122671	1,607	161		
3	2-Nitroaniline	12.19	-0.01	0.00	65	119411	1,803	180		
3	Acenaphthylene	12.64		0.00	152	453757	1,674	167		
3	Dimethyl Phthalate	12.53		0.00	163	391216	1,799	180		
3	2,6-Dinitrotoluene	12.61		0.00	165	91762	1,802	180		
3	Acenaphthene	12.93		0.00	154	252493	1,631	163		
3	3-Nitroaniline	12.87		0.00	138	91518	1,846	185		
3	2,4-Dinitrophenol	13.04	-0.01	0.00	184	13002	450.81	45.1	J	
3	Dibenzofuran	13.21	-0.01	0.00	168	414592	1,630	163		
3	4-Nitrophenol	13.23	-0.01	0.00	109	75133	1,642	164		
3	2,4-Dinitrotoluene	13.25	-0.01	0.00	165	142222	1,954	195		
3	2,3,4,6-Tetrachlorophenol	13.45		0.00	232	112191	1,501	150		
3	Fluorene	13.77		0.00	166	325164	1,638	164		
3	4-Chlorophenyl Phenyl Ether	13.81		0.00	204	191586	1,580	158		
3	Diethyl Phthalate	13.68	-0.01	0.00	149	433899	1,881	188		
3	4-Nitroaniline	13.86	-0.01	0.00	138	96977	1,929	193		
3	2-Methyl-4,6-dinitrophenol	13.91		0.00	198	72655	1,448	145		
3	N-Nitrosodiphenylamine	14.01		0.00	169	245320	1,712	171		
3	Azobenzene	14.06		0.00	77	379637	1,721	172		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F005.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 15:39	**Quant Date:**	11/24/2010 08:28	**Vial:**	5
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG1012700-4			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
4	4-Bromophenyl Phenyl Ether	14.59	-0.01	0.00	248	132835	1,662	166		
4	Hexachlorobenzene	14.65	-0.01	0.00	284	150216	1,719	172		
4	Pentachlorophenol	15.00	-0.01	0.00	266	76481	1,339	134		
4	Phenanthrene	15.32		0.00	178	502606	1,831	183		
4	Anthracene	15.40		0.00	178	530122	1,858	186		
4	Carbazole	15.70	-0.01	0.00	167	529199	2,122	212		
4	Di-n-butyl Phthalate	16.36		0.00	149	749696	2,152	215		
4	Fluoranthene	17.25		0.00	202	717150	2,096	210		
5	Benzidine				184	0		200	U	
5	Pyrene	17.61		0.00	202	713745	2,146	215		
5	Butyl Benzyl Phthalate	18.78		0.00	149	325728	2,241	224		
5	3,3'-Dichlorobenzidine	19.61	-0.01	0.00	252	196953	1,495	149		
5	Benz(a)anthracene	19.60	-0.01	0.00	228	702919	2,202	220		
5	Chrysene	19.67		0.00	228	683887	2,148	215		
5	Bis(2-ethylhexyl) Phthalate	19.83		0.00	149	452843	2,350	235		
6	Di-n-octyl Phthalate	21.30		0.00	149	723544	2,325	232		
6	Benzo(b)fluoranthene	22.00	-0.01	0.00	252	627124	2,121	212		
6	Benzo(k)fluoranthene	22.09	-0.01	0.00	252	672770	2,145	214		
6	Benzo(a)pyrene	22.86		0.00	252	532853	2,152	215		
6	Indeno(1,2,3-cd)pyrene	25.42	-0.01	0.00	276	486229	2,179	218		
6	Dibenz(a,h)anthracene	25.50		0.00	278	508311	2,170	217		
6	Benzo(g,h,i)perylene	25.92		0.00	276	522435	2,126	213		
	Thiophenol				0	0		30	U	NR

Prep Amount:	20.000 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F005.D Vial: 5
Acq On : 23 Nov 2010 3:39 pm Operator: KBailey
Sample : KWG1012700-04 | DLCS Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:12 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	89206	1000.00	ng/ml	-0.08
22) Naphthalene-d8	10.07	136	275304	1000.00	ng/ml	-0.08
36) Acenaphthene-d10	12.88	164	139987	1000.00	ng/ml	-0.07
60) Phenanthrene-d10	15.28	188	273905	1000.00	ng/ml	-0.08
70) Chrysene-d12	19.62	240	308701	1000.00	ng/ml	-0.10
79) Perylene-d12	23.00	264	275462	1000.00	ng/ml	-0.15
System Monitoring Compounds						
4) 2-Fluorophenol	6.56	112	158174	1793.02	ng/ml	-0.09
Spiked Amount 3750.000	Range 38 - 110		Recovery = 47.81%			
6) Phenol-d6	7.75	99	227722	2199.53	ng/ml	-0.07
Spiked Amount 3750.000	Range 43 - 128		Recovery = 58.65%			
20) Nitrobenzene-d5	9.00	82	179930	1531.42	ng/ml	-0.08
Spiked Amount 2500.000	Range 30 - 139		Recovery = 61.26%			
40) 2-Fluorobiphenyl	11.82	172	333769	1450.23	ng/ml	-0.08
Spiked Amount 2500.000	Range 37 - 126		Recovery = 58.01%			
61) 2,4,6-Tribromophenol	14.16	330	117294	2452.07	ng/ml	-0.08
Spiked Amount 3750.000	Range 38 - 157		Recovery = 65.39%			
73) Terphenyl-d14	17.93	244	550364	2259.62	ng/ml	-0.09
Spiked Amount 2500.000	Range 54 - 158		Recovery = 90.38%			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.38	42	233321m	1693.30	ng/ml	
3) Pyridine	5.44	79	66330m	707.26	ng/ml	
5) Bis(2-chloroethyl) Ether	7.86	93	137624	1655.15	ng/ml	95
7) Phenol	7.77	94	182170	1596.98	ng/ml	91
8) Aniline	7.77	93	124304	1051.87	ng/ml#	7
9) 2-Chlorophenol	7.91	128	160448	1546.11	ng/ml	98
10) 1,3-Dichlorobenzene	8.11	146	180656	1382.66	ng/ml	97
11) 1,4-Dichlorobenzene	8.22	146	187221	1412.13	ng/ml	98
12) 1,2-Dichlorobenzene	8.42	146	181495	1485.82	ng/ml	96
13) Benzyl Alcohol	8.42	108	89971	1705.80	ng/ml	95
14) Bis(2-chloroisopropyl) Eth	8.61	45	283841	1611.57	ng/ml	87
15) 2-Methylphenol	8.60	107	105434	1385.95	ng/ml	95
16) Acetophenone	8.81	105	24088	192.91	ng/ml	94
17) Hexachloroethane	8.91	117	78543	1502.98	ng/ml	96
18) N-Nitrosodi-n-propylamine	8.80	70	127855	1702.83	ng/ml	95
19) 4-Methylphenol	8.83	107	142829	1439.88	ng/ml	95
21) Nitrobenzene	9.03	77	181599	1551.23	ng/ml	98
23) Isophorone	9.40	82	318813	1658.59	ng/ml	99
24) 2-Nitrophenol	9.51	139	96617	1654.24	ng/ml	95
25) 2,4-Dimethylphenol	9.63	122	60153	739.14	ng/ml	98

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F005.D
Acq On : 23 Nov 2010 3:39 pm
Sample : KWG1012700-04 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:12 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.75	93	156087	1688.99 ng/ml	97
27)	2,4-Dichlorophenol	9.89	162	131891	1518.18 ng/ml	95
29)	1,2,4-Trichlorobenzene	10.00	180	172317	1479.61 ng/ml	99
30)	Naphthalene	10.10	128	429372	1566.08 ng/ml	98
31)	4-Chloroaniline	10.23	127	158934	1383.43 ng/ml	98
32)	Hexachlorobutadiene	10.32	225	128913	1402.18 ng/ml	97
33)	4-Chloro-3-methylphenol	11.06	107	140217	1587.16 ng/ml	94
34)	2-Methylnaphthalene	11.20	141	249383	1604.04 ng/ml	98
35)	1-Methylnaphthalene	11.36	141	251321	1566.20 ng/ml	98
37)	Hexachlorocyclopentadiene	11.47	237	89770	911.88 ng/ml	99
38)	2,4,6-Trichlorophenol	11.69	196	110862	1514.89 ng/ml	97
39)	2,4,5-Trichlorophenol	11.75	196	124313	1575.79 ng/ml	97
41)	2-Chloronaphthalene	11.98	127	122671	1607.45 ng/ml	98
42)	2-Nitroaniline	12.19	65	119411	1802.51 ng/ml	90
43)	Acenaphthylene	12.64	152	453757	1674.14 ng/ml	99
44)	Dimethyl Phthalate	12.53	163	391216	1799.21 ng/ml	99
45)	2,6-Dinitrotoluene	12.61	165	91762	1801.71 ng/ml	97
46)	Acenaphthene	12.93	154	252493	1630.87 ng/ml	99
47)	3-Nitroaniline	12.87	138	91518	1845.59 ng/ml	98
48)	2,4-Dinitrophenol	13.04	184	13002	450.81 ng/ml	91
49)	Dibenzofuran	13.21	168	414592	1630.05 ng/ml	96
50)	4-Nitrophenol	13.23	109	75133	1641.79 ng/ml#	79
51)	2,4-Dinitrotoluene	13.25	165	142222	1954.15 ng/ml	88
52)	2,3,4,6-Tetrachlorophenol	13.45	232	112191	1501.24 ng/ml	97
53)	Fluorene	13.77	166	325164	1638.37 ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.81	204	191586	1580.21 ng/ml	99
55)	Diethyl Phthalate	13.68	149	433899	1881.35 ng/ml	98
56)	4-Nitroaniline	13.86	138	96977	1929.42 ng/ml	95
57)	2-Methyl-4,6-dinitrophenol	13.91	198	72655	1447.94 ng/ml	92
58)	N-Nitrosodiphenylamine	14.01	169	245320	1711.81 ng/ml	99
59)	Azobenzene	14.06	77	379637	1721.33 ng/ml	98
62)	4-Bromophenyl Phenyl Ether	14.59	248	132835	1662.34 ng/ml	96
63)	Hexachlorobenzene	14.65	284	150216	1719.06 ng/ml	98
64)	Pentachlorophenol	15.00	266	76481	1338.72 ng/ml	93
65)	Phenanthrene	15.32	178	502606	1830.64 ng/ml	100
66)	Anthracene	15.40	178	530122	1858.21 ng/ml	100
67)	Carbazole	15.70	167	529199	2122.14 ng/ml	99
68)	Di-n-butyl Phthalate	16.36	149	749696	2152.39 ng/ml	100
69)	Fluoranthene	17.25	202	717150	2095.99 ng/ml	99
72)	Pyrene	17.61	202	713745	2145.52 ng/ml	99
74)	Butyl Benzyl Phthalate	18.78	149	325728	2241.41 ng/ml	97

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F005.D
Acq On : 23 Nov 2010 3:39 pm
Sample : KWG1012700-04 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:24:12 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
75)	3,3'-Dichlorobenzidine	19.61	252	196953	1494.51 ng/ml	98
76)	Benz(a)anthracene	19.60	228	702919	2201.52 ng/ml	98
77)	Chrysene	19.67	228	683887	2148.18 ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.83	149	452843	2349.65 ng/ml	97
80)	Di-n-octyl Phthalate	21.30	149	723544	2324.86 ng/ml	98
81)	Benzo(b)fluoranthene	22.00	252	627124	2120.79 ng/ml	99
82)	Benzo(k)fluoranthene	22.09	252	672770	2144.66 ng/ml	98
83)	Benzo(a)pyrene	22.86	252	532853	2152.26 ng/ml	98
84)	Indeno(1,2,3-cd)pyrene	25.42	276	486229	2179.42 ng/ml	98
85)	Dibenz(a,h)anthracene	25.50	278	508311	2169.64 ng/ml	99
86)	Benzo(g,h,i)perylene	25.92	276	522435	2126.02 ng/ml	99

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

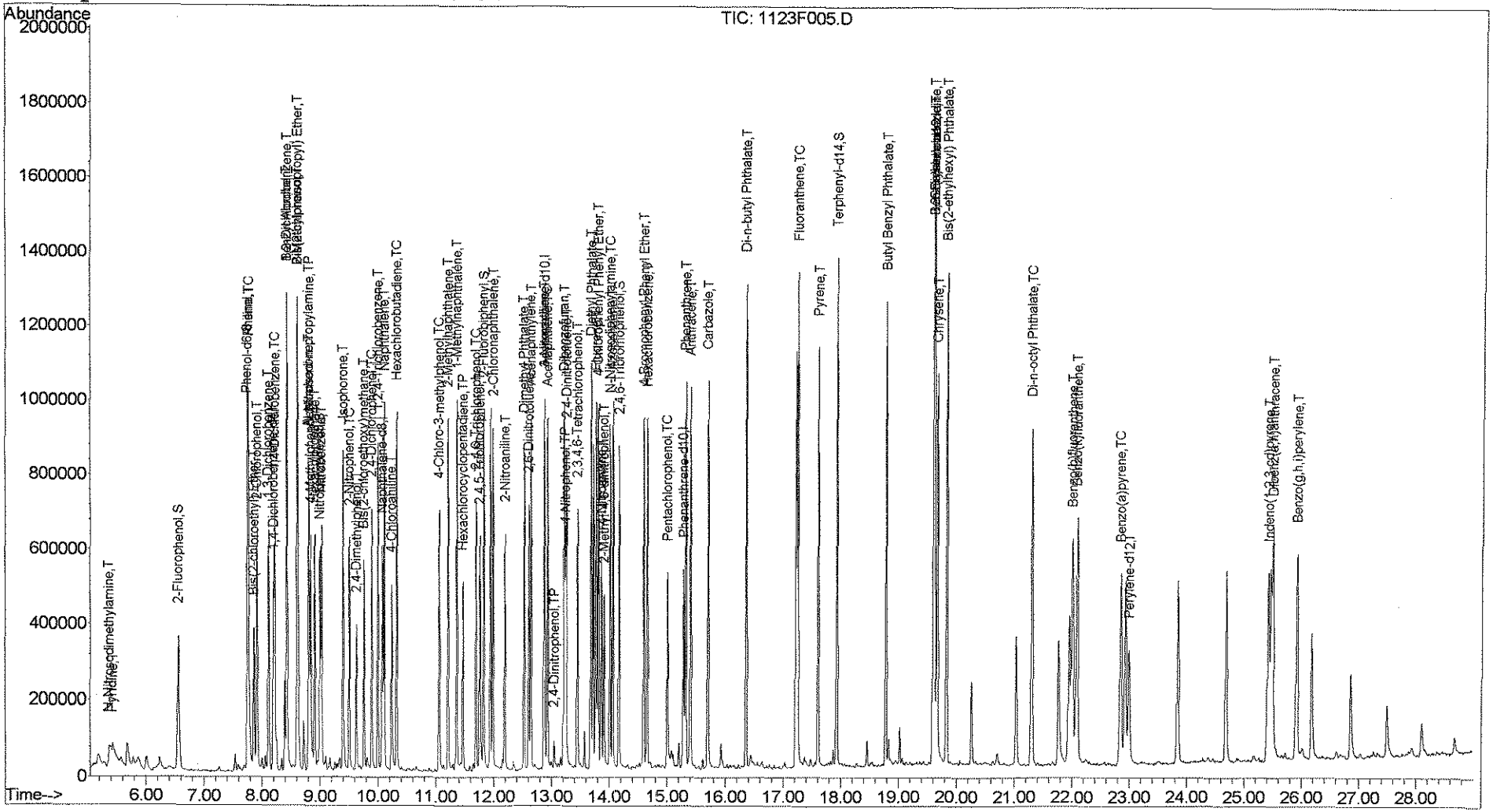
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F005.D
Acq On : 23 Nov 2010 3:39 pm
Sample : KWG1012700-04 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:28 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Initial Calibration



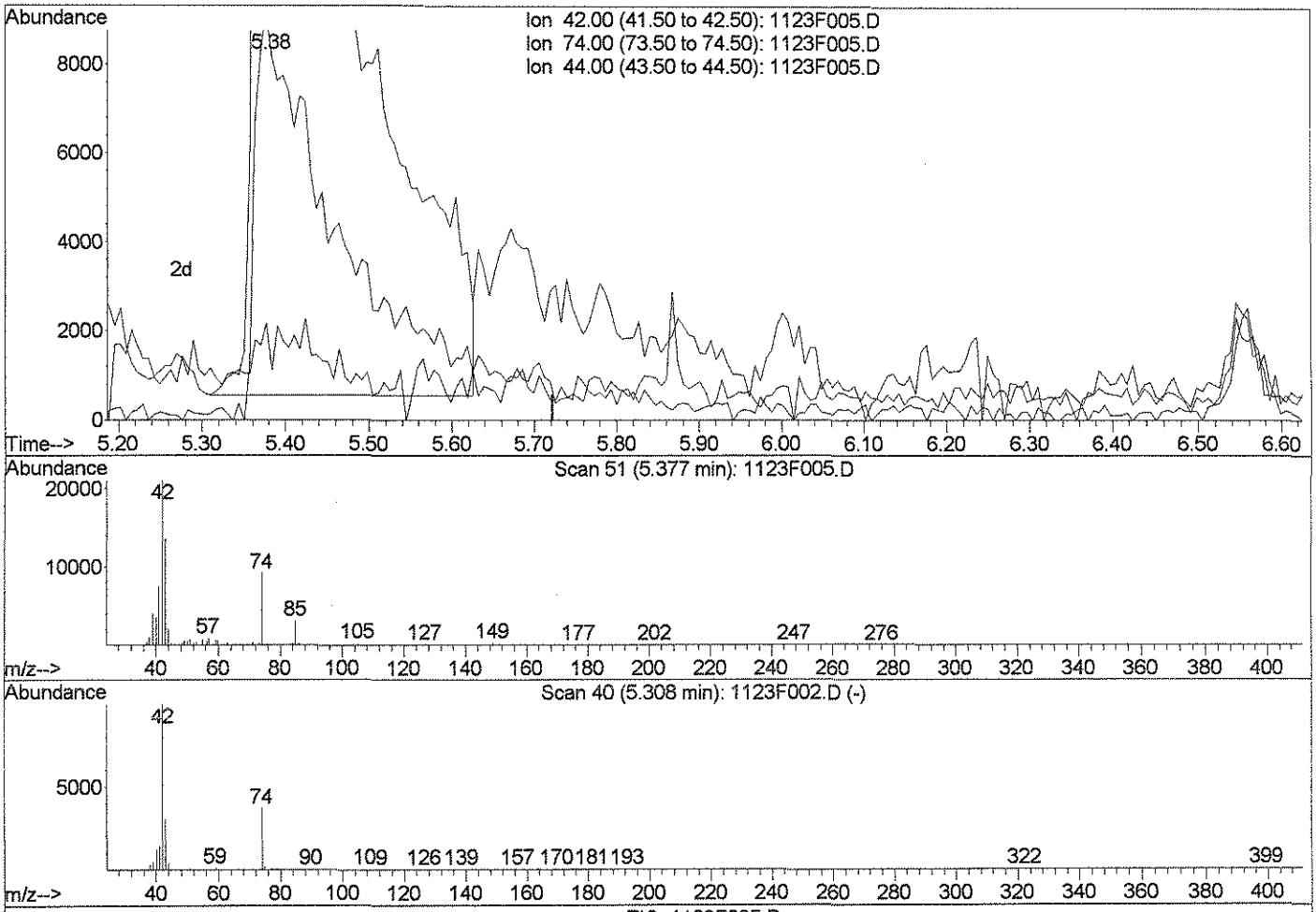
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F005.D
Acq On : 23 Nov 2010 3:39 pm
Sample : KWG1012700-04 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:24 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration



(2) N-Nitrosodimethylamine (T)

5.38min 1147.29ng/ml

response 158086

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	44.35
44.00	4.40	5.19
0.00	0.00	0.00

1123F005.D 111510_BNLL.M Wed Nov 24 08:28:22 2010

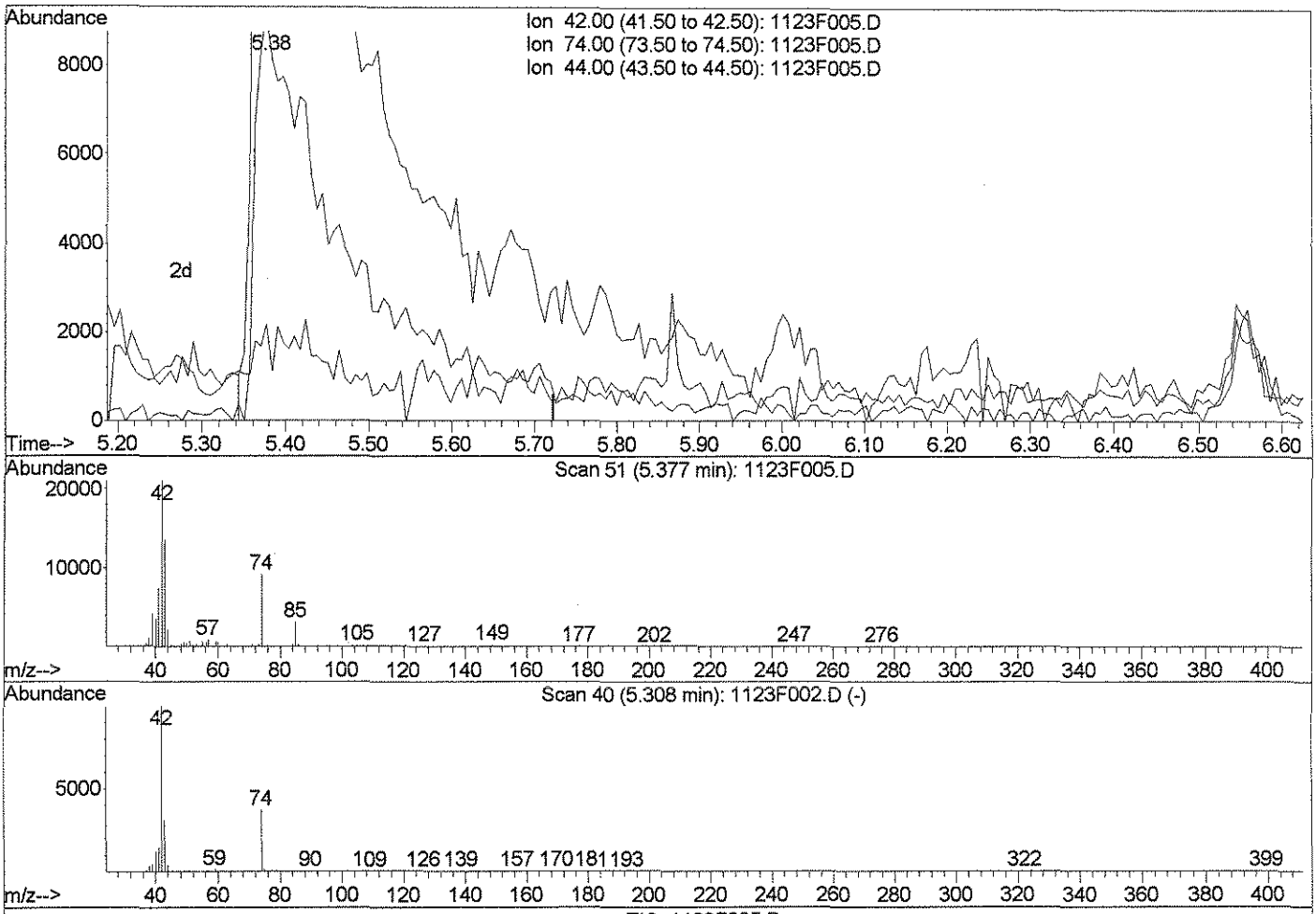
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F005.D
Acq On : 23 Nov 2010 3:39 pm
Sample : KWG1012700-04 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:28 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration



(2) N-Nitrosodimethylamine (T)

5.38min 1693.30ng/ml m

response 233321

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	43.83
44.00	4.40	10.32
0.00	0.00	0.00

LC
LB 11/24/10

1123F005.D 111510_BNLL.M Wed Nov 24 08:28:27 2010

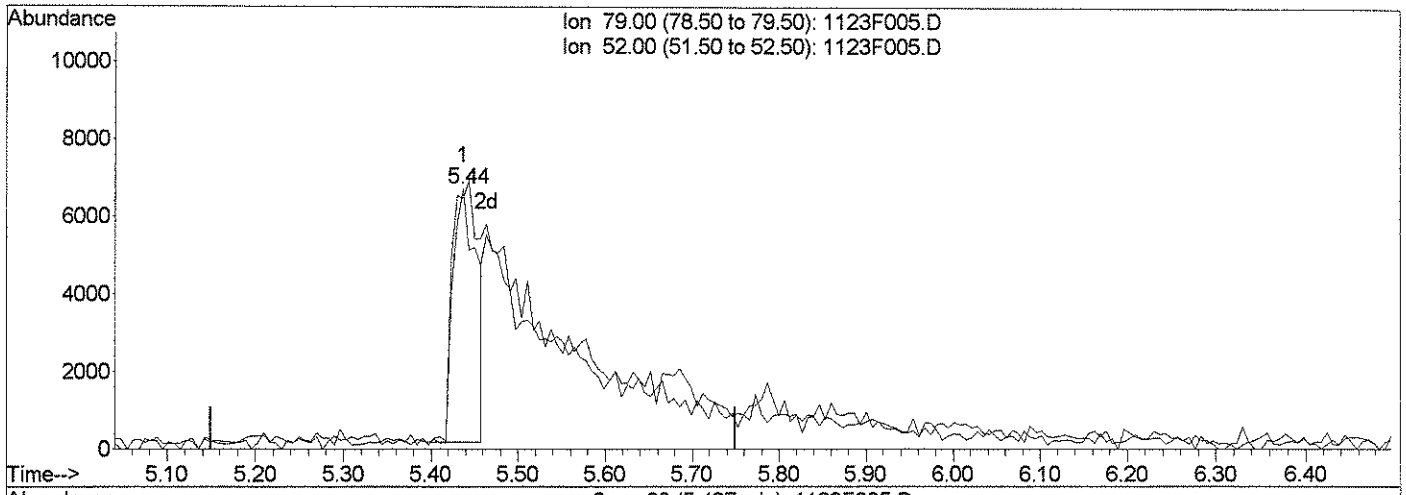
Quantitation Report (Qedit)

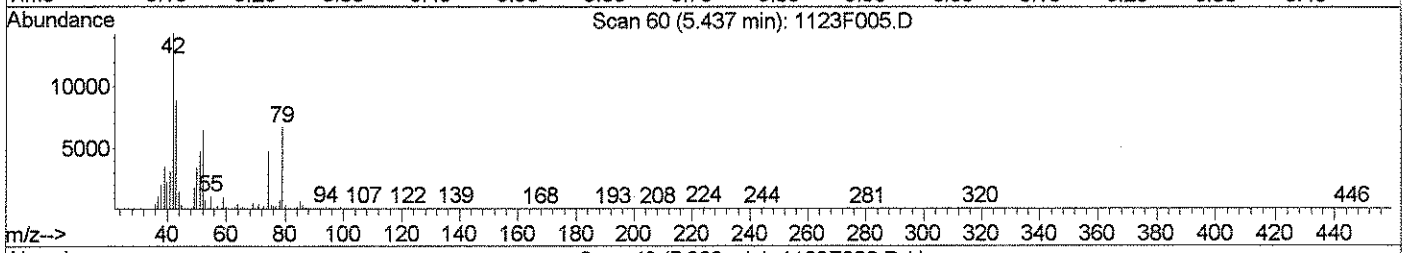
Data File : J:\MS06\DATA\112310\1123F005.D
Acq On : 23 Nov 2010 3:39 pm
Sample : KWG1012700-04 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:28 2010

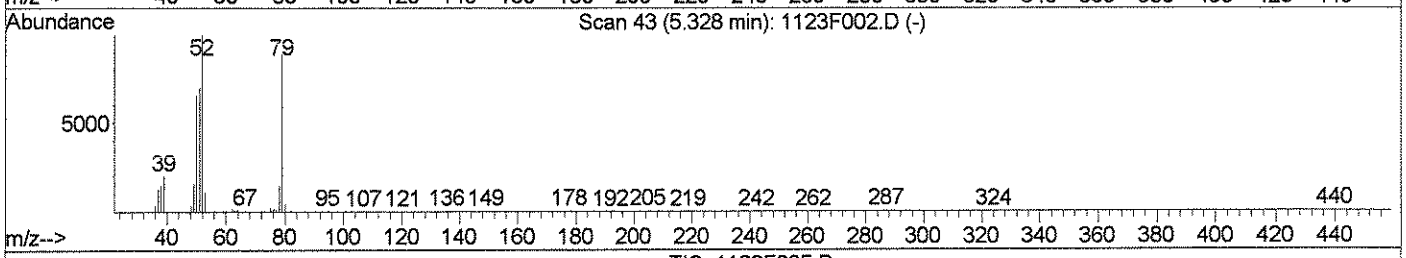
Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F005.D

(3) Pyridine (T)

5.44min 132.33ng/ml

response 12410

Ion	Exp%	Act%
79.00	100	100
52.00	97.10	97.19
0.00	0.00	0.00
0.00	0.00	0.00

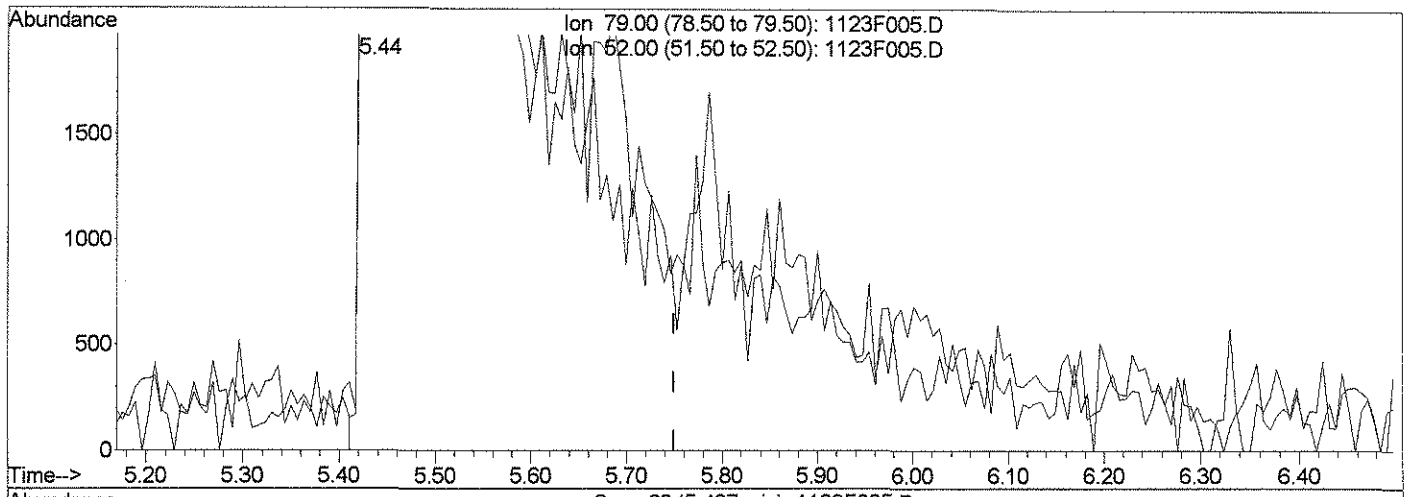
Quantitation Report (Qedit)

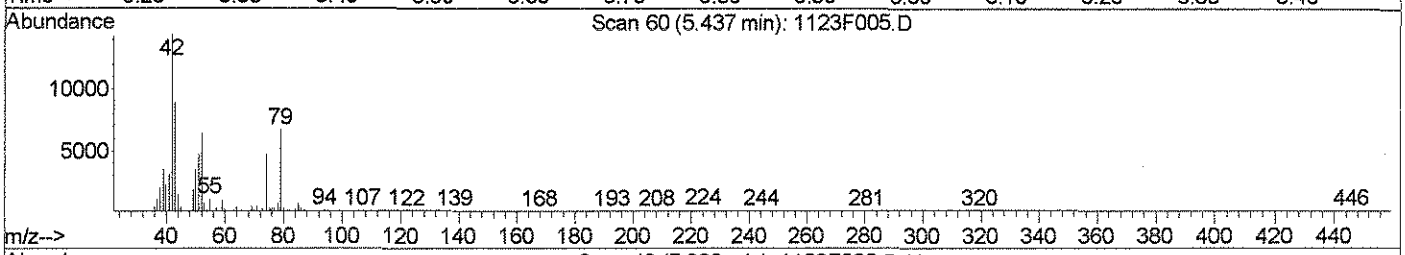
Data File : J:\MS06\DATA\112310\1123F005.D
Acq On : 23 Nov 2010 3:39 pm
Sample : KWG1012700-04 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:28 2010

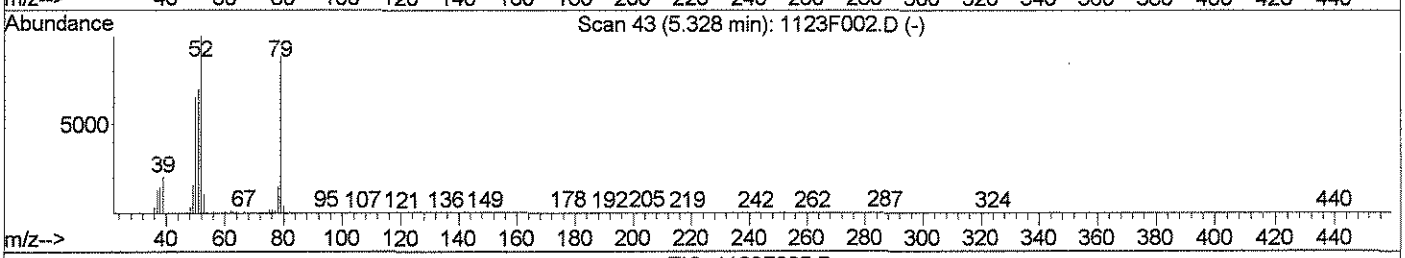
Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Wed Nov 24 08:23:58 2010
Response via : Single Level Calibration







TIC: 1123F005.D

(3) Pyridine (T)

5.44min 707.26ng/ml m

response 66330

Ion	Exp%	Act%
79.00	100	100
52.00	97.10	96.31
0.00	0.00	0.00
0.00	0.00	0.00

1C
LB 11/24/10

1123F005.D 111510_BNLL.M Wed Nov 24 08:28:37 2010

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/23/2010
Time Analyzed: 12:53

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS06\DATA\112310\1123F001.D
Instrument ID: MS06
Column:

Analysis Method: 8270C
Analysis Lot: KWG1012886

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	80	64.5	57549	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	58.3	52042	PASS
70	69	0	2	0.0	0	PASS
127	198	25	75	41.9	37330	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	89194	PASS
199	198	5	9	7.6	6735	PASS
275	198	10	30	25.3	22589	PASS
365	198	1	100	3.1	2740	PASS
441	443	0	100	66.7	6716	PASS
442	198	40	110	56.8	50621	PASS
443	442	15	24	19.9	10065	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1012886-2	J:\MS06\DATA\112310\1123F002.D	11/23/2010	13:31	
Method Blank	KWG1012700-5	J:\MS06\DATA\112310\1123F003.D	11/23/2010	14:23	
Lab Control Sample	KWG1012700-3	J:\MS06\DATA\112310\1123F004.D	11/23/2010	15:01	
Duplicate Lab Control Sample	KWG1012700-4	J:\MS06\DATA\112310\1123F005.D	11/23/2010	15:39	
SL0001	K1012914-001	J:\MS06\DATA\112310\1123F006.D	11/23/2010	16:17	
SL0009	K1012914-009	J:\MS06\DATA\112310\1123F007.D	11/23/2010	16:55	
SL0010	K1012914-010	J:\MS06\DATA\112310\1123F008.D	11/23/2010	17:32	
SL0010MS	KWG1012700-1	J:\MS06\DATA\112310\1123F009.D	11/23/2010	18:10	
SL0010DMS	KWG1012700-2	J:\MS06\DATA\112310\1123F010.D	11/23/2010	18:48	
SL0002	K1012914-002	J:\MS06\DATA\112310\1123F011.D	11/23/2010	19:25	
SL0017	K1012914-016	J:\MS06\DATA\112310\1123F012.D	11/23/2010	20:03	
SL0018	K1012914-017	J:\MS06\DATA\112310\1123F013.D	11/23/2010	20:40	
SL0019	K1012914-018	J:\MS06\DATA\112310\1123F014.D	11/23/2010	21:18	
SL0020	K1012914-019	J:\MS06\DATA\112310\1123F015.D	11/23/2010	21:55	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Exception Report

Data File: J:\MS06\DATA\112310\1123F001.D
Lab ID: KWG1012886-1
RunType: TUNE
Matrix: WATER

Date Acquired: 11/23/2010 12:53
Date Quantitated:
Batch ID: KWG1012886
Analysis Method: 8270C
ListJoinID: LJ12104

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Ion Ratio	NA	NA	NA	x	

Primary Review: LB 11/24/10

Secondary Review: 12/22/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012886	**Prep Lot:**		**Report Group:**	
Analysis Method:	DFTPP	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:		**Report List ID:**	LJ1747
Tune Ref:		**Method ID:**	MJ190
MB Ref:		**Quant based on Report List**	

Data File:	J:\MS06\DATA\112310\1123F001.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 12:53	**Quant Date:**		**Vial:**	1
Run Type:	TUNE			**Dilution:**	1.0
Lab ID:	KWG1012886-1			**Soln Conc. Units:**	

Tune Results

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	80	64.5	57549	Pass
68	69	0	2	0.0	0	Pass
69	198	0	100	58.3	52042	Pass
70	69	0	2	0.0	0	Pass
127	198	25	75	41.9	37330	Pass
197	198	0	1	0.0	0	Pass
198	198	100	100	100.0	89194	Pass
199	198	5	9	7.6	6735	Pass
275	198	10	30	25.3	22589	Pass
365	198	0.75	100	3.1	2740	Pass
441	443	0.01	100	66.7	6716	Pass
442	198	40	110	56.8	50621	Pass
443	442	15	24	19.9	10065	Pass

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

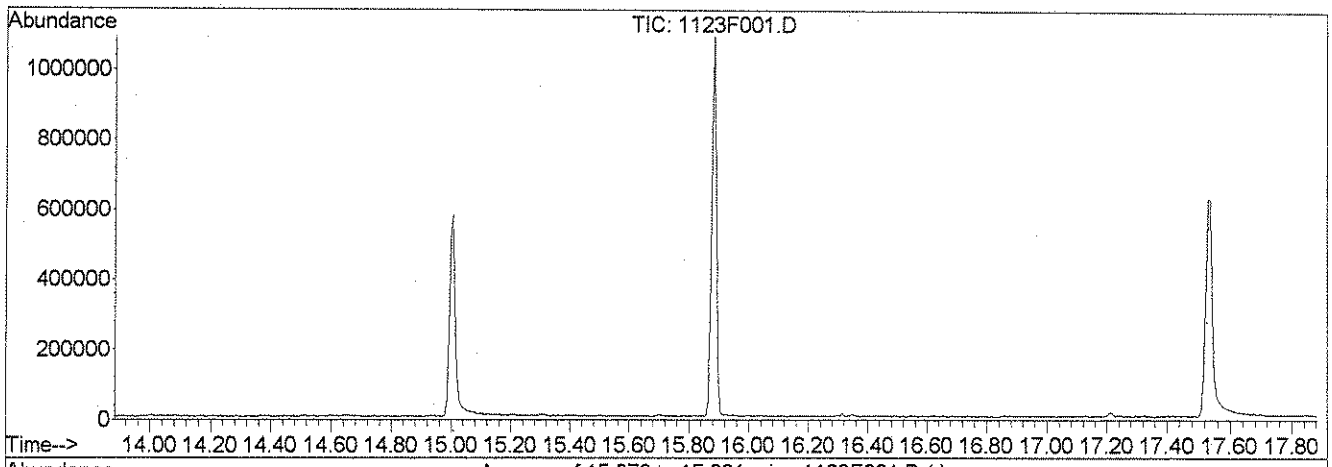
D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

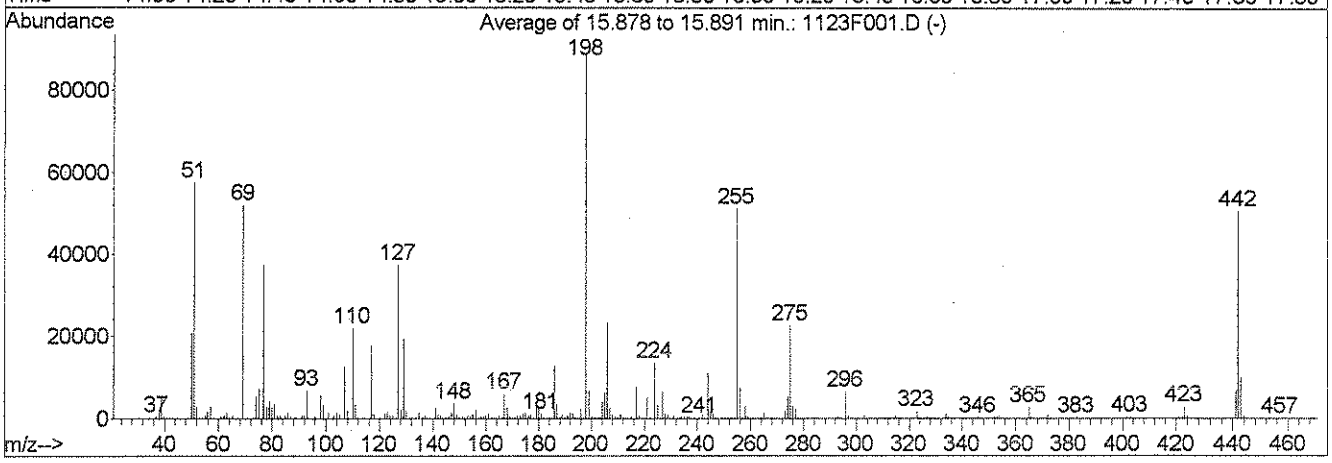
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

DFTPP

Data File : J:\MS06\DATA\112310\1123F001.D
Acq On : 23 Nov 2010 12:53 pm
Sample : 2.5ug/mL DFTPP | SVM33-70A
Misc :
MS Integration Params: RTEINT.P
Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL

Vial: 1
Operator: KBailey
Inst : MS06
Multiplr: 1.00





AutoFind: Scans 1615, 1616, 1617; Background Corrected with Scan 1609

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	64.5	57549	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	58.3	52042	PASS
70	69	0.00	2	0.0	0	PASS
127	198	25	75	41.9	37330	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	89194	PASS
199	198	5	9	7.6	6735	PASS
275	198	10	30	25.3	22589	PASS
365	198	0.75	100	3.1	2740	PASS
441	443	0.01	100	66.7	6716	PASS
442	198	40	110	56.8	50621	PASS
443	442	15	24	19.9	10065	PASS

1123F001.D 111510_BNLL.M Wed Nov 24 08:21:21 2010

Average of 15.878 to 15.891 min.: 1123F001.D
2.5ug/mL DFTPP | SVM33-70A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.30	47	42.75	82	53.15	40	64.05	230
35.50	81	43.95	4	54.05	70	65.05	899
35.85	22	45.00	248	55.00	645	67.00	224
36.75	344	46.00	44	55.90	1674	68.95	52042
37.00	460	46.90	52	56.95	3006	72.05	46
37.90	1445	47.50	73	58.15	208	74.05	5500
38.95	5497	47.80	69	59.35	52	75.05	7256
39.80	467	50.05	20743	60.90	529	76.95	37306
40.95	163	50.95	57549	61.80	144	78.00	2862
41.90	167	52.00	2697	62.05	667	79.00	4359
42.15	38	52.90	158	63.00	1559	80.00	2744

Average of 15.878 to 15.891 min.: 1123F001.D
2.5ug/mL DFTPP | SVM33-70A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.00	3578	93.00	6851	107.00	12500	118.95	3
82.00	852	93.75	101	108.05	1837	120.00	164
82.95	712	95.95	416	110.00	21885	120.95	106
85.00	757	96.70	74	110.95	3392	122.05	1092
86.00	1407	98.00	5640	112.00	285	123.00	1560
87.00	470	99.00	3302	113.00	143	123.95	861
87.90	9	99.90	77	113.90	118	125.00	615
88.75	48	100.95	1539	114.20	101	127.00	37330
89.05	172	102.95	708	115.10	101	128.05	2209
91.05	897	103.95	1370	116.95	17682	129.00	19494
92.05	794	105.00	979	117.95	1182	129.95	1945

Average of 15.878 to 15.891 min.: 1123F001.D
2.5ug/mL DFTPP | SVM33-70A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
131.10	127	138.95	184	147.95	3706	158.70	48
131.80	80	139.65	52	148.90	878	159.00	287
132.10	219	140.95	2594	149.80	185	160.00	843
133.25	78	141.95	917	151.00	370	160.95	1211
134.00	295	142.95	621	151.75	120	161.95	455
134.90	1443	143.70	114	153.05	874	162.90	37
135.75	250	143.90	67	154.00	506	164.85	825
135.95	118	144.85	139	155.00	1228	166.05	372
136.30	133	146.00	548	156.00	2099	166.95	6017
136.90	739	146.20	146	157.10	199	167.95	2739
138.00	277	147.00	1371	157.90	535	169.00	499

Average of 15.878 to 15.891 min.: 1123F001.D
2.5ug/mL DFTPP | SVM33-70A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
169.85	214	178.95	4152	189.85	253	203.25	205
170.05	58	179.95	2497	190.85	777	204.00	3872
170.95	332	180.95	1166	192.00	1312	205.05	6238
171.90	446	181.85	118	192.95	1226	206.00	23170
173.00	598	182.15	59	193.90	398	207.00	2571
173.95	1042	183.05	51	195.95	2371	207.90	1015
174.95	1428	183.95	256	197.95	89194	208.95	342
176.05	516	186.00	12721	198.95	6735	210.10	182
176.30	152	187.00	3518	199.90	471	210.90	991
176.85	739	188.00	442	201.50	468	211.60	146
177.90	169	188.90	818	202.95	405	212.55	39

Average of 15.878 to 15.891 min.: 1123F001.D
2.5ug/mL DFTPP | SVM33-70A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
212.95	47	228.95	1133	238.90	210	247.95	42
213.95	38	229.95	230	239.10	95	248.15	114
215.00	316	230.95	490	239.75	147	248.95	320
216.95	7474	231.85	95	240.00	107	249.75	121
217.90	684	232.15	44	240.95	252	250.05	36
220.95	5164	233.10	97	241.20	121	250.85	60
222.10	221	233.85	478	242.10	774	251.15	71
224.00	13427	235.00	497	243.95	11088	251.85	237
225.00	3537	235.95	315	244.95	1726	252.70	85
226.95	6599	236.85	526	245.90	2512	252.95	221
227.85	947	237.70	47	246.90	400	254.90	51146

Average of 15.878 to 15.891 min.: 1123F001.D
2.5ug/mL DFTPP | SVM33-70A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
256.00	7608	265.85	80	276.90	2135	288.80	88
256.90	206	267.20	63	277.90	231	289.10	43
257.95	3082	267.80	83	278.90	78	289.90	54
258.95	538	269.60	47	280.55	50	291.90	171
259.75	60	270.70	35	281.95	136	292.85	514
260.15	46	270.95	111	282.85	177	294.05	52
260.85	50	272.00	166	283.75	103	295.95	6407
261.05	61	273.00	1803	284.00	118	296.90	743
262.95	35	274.10	5169	284.80	113	297.95	48
263.95	128	275.00	22589	285.00	218	299.80	36
264.95	1267	275.95	3030	287.70	41	300.80	129

Average of 15.878 to 15.891 min.: 1123F001.D
2.5ug/mL DFTPP | SVM33-70A
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
302.10	90	324.65	36	345.65	75	370.85	135
302.95	771	325.95	61	345.90	268	371.95	917
303.90	144	326.85	475	349.20	34	372.90	156
308.15	42	327.90	247	351.20	62	382.80	304
312.95	42	328.85	36	351.95	505	389.85	127
313.95	224	331.90	102	353.10	442	390.95	57
314.90	795	333.00	134	354.05	631	391.95	40
315.85	246	333.95	1113	354.85	49	400.90	52
320.95	228	334.90	357	358.75	44	401.85	309
322.95	1854	340.75	62	364.90	2740	402.90	403
323.90	367	340.90	174	365.80	365	403.55	73

Average of 15.878 to 15.891 min.: 1123F001.D
2.5ug/mL DFTPP | SVM33-70A
Modified:subtracted

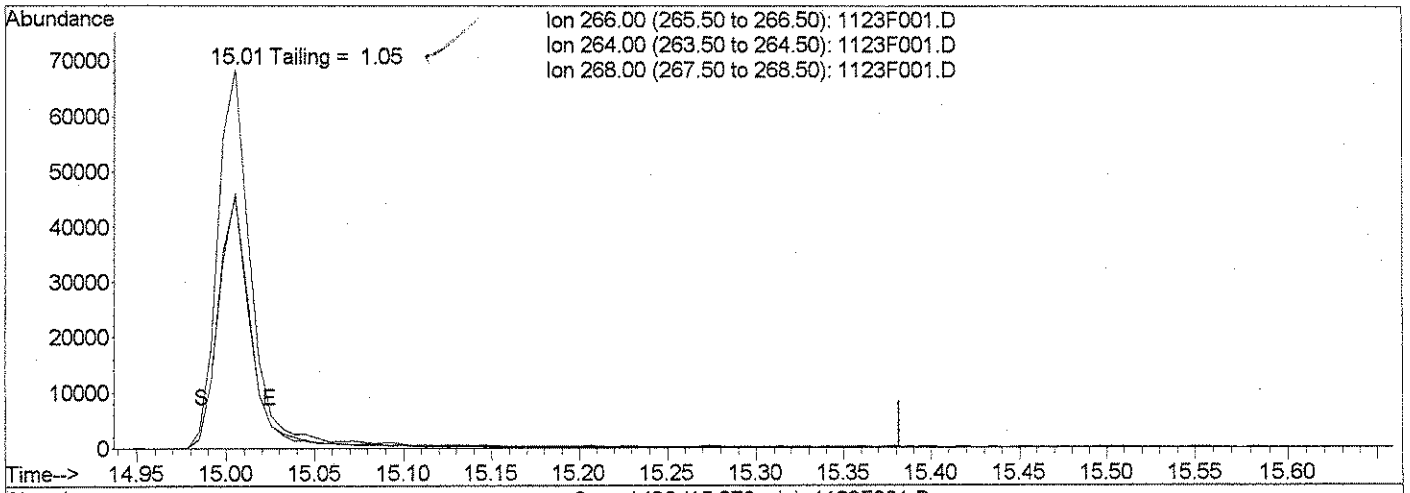
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
403.95	117	449.40	33				
420.90	325	457.15	36				
422.00	338						
422.95	2898						
423.90	634						
424.95	49						
431.50	43						
441.05	6716						
441.90	50621						
442.90	10065						
443.95	758						

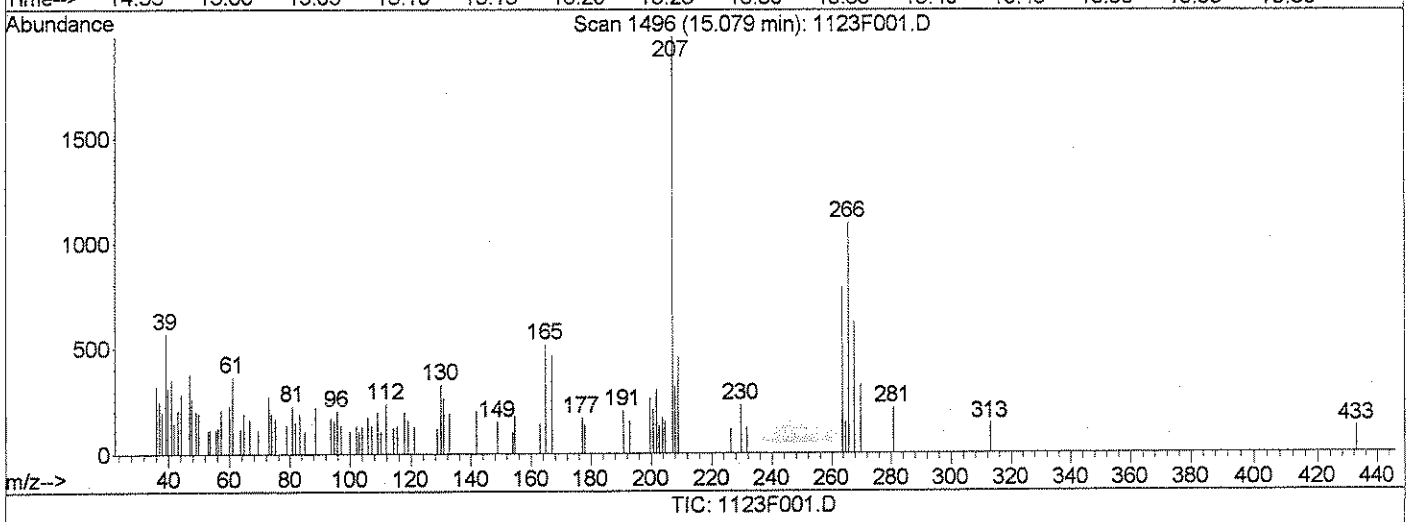
Quantitation Report

Data File : J:\MS06\DATA\112310\1123F001.D
Acq On : 23 Nov 2010 12:53 pm
Sample : 2.5ug/mL DFTPP | SVM33-70A
Misc :
MS Integration Params: RTEINT.P

Vial: 1
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration





(64) Pentachlorophenol

Exp R.T. 15.08min

response 0

Ion	Exp%	Act%
266.00	100	100
264.00	61.90	72.05
268.00	65.90	56.99
0.00	0.00	0.00

LB
11/24/10

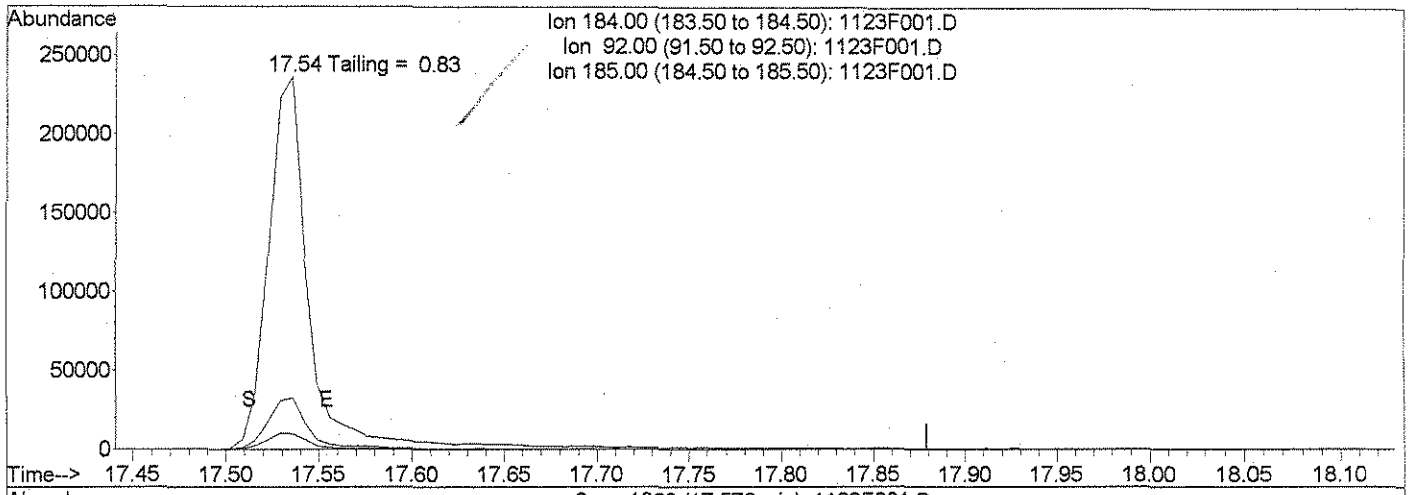
1123F001.D 111510_BNLL.M Wed Nov 24 08:21:38 2010

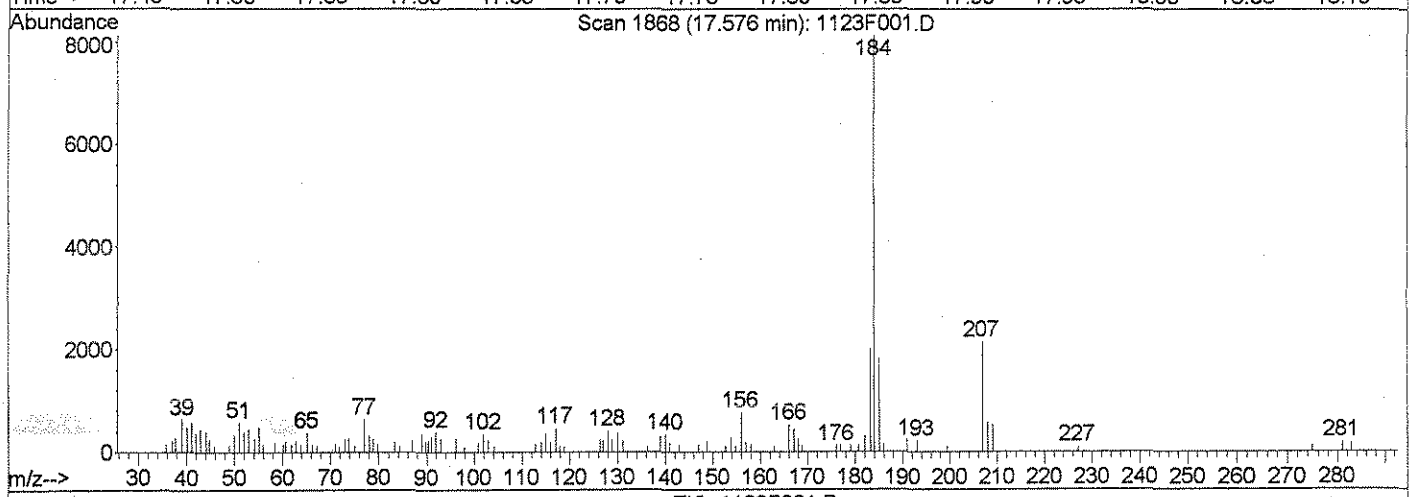
Quantitation Report

Data File : J:\MS06\DATA\112310\1123F001.D
Acq On : 23 Nov 2010 12:53 pm
Sample : 2.5ug/mL DFTPP | SVM33-70A
Misc :
MS Integration Params: RTEINT.P

Vial: 1
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration





TIC: 1123F001.D

(71) Benzidine

Exp R.T. 17.58min

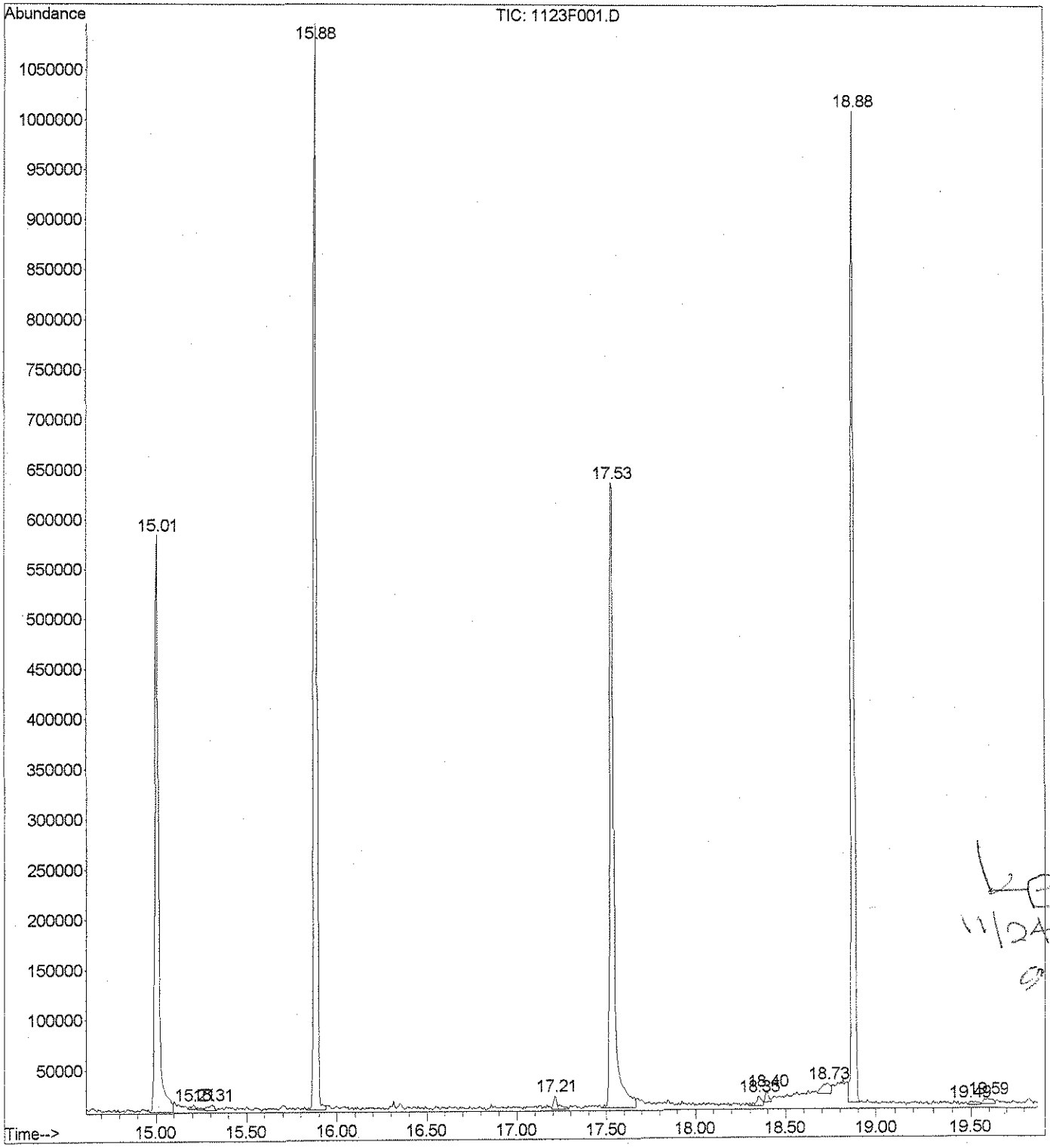
response 0

Ion	Exp%	Act%
184.00	100	100
92.00	4.30	4.85
185.00	14.10	22.50
0.00	0.00	0.00

LB
11/24/10

1123F001.D 111510_BNLL.M Wed Nov 24 08:21:49 2010

File : J:\MS06\DATA\112310\1123F001.D
Operator : KBailey
Acquired : 23 Nov 2010 12:53 pm using AcqMethod BNALL
Instrument : MS06
Sample Name: 2.5ug/mL DFTPP | SVM33-70A
Misc Info :
Vial Number: 1



LB
11/24/10

1	5.124	rBV	0.087		31927	5.057	5.144	
2	6.178	rBV	0.094		37442	6.097	6.191	
3	6.674	rVB	0.081		13724	6.668	6.748	
4	7.829	rBV	0.121		30029	7.755	7.876	
5	11.635	rVB	0.067		12184	11.602	11.669	
6	12.917	rVV	0.094		19159	12.884	12.978	
7	13.320	rBV	0.060		10240	13.280	13.340	
8	13.448	rVB	0.107		24412	13.407	13.515	
9	15.005	rBV	0.128		796877	14.965	15.092	
10	15.206	rVV	0.094		10475	15.173	15.267	
11	15.307	rVB	0.067		12679	15.267	15.334	
12	15.884	rBV	0.107		1197548	15.831	15.938	
13	17.214	rVB	0.094		23363	17.193	17.287	
14	17.529	rBV	0.188		1016863	17.475	17.663	
15	18.348	rBV	0.081		21562	18.294	18.375	
16	18.395	rVV	0.047	DDD	15039	18.375	18.422	
17	18.731	rBV	0.074		34552	18.677	18.751	
18	18.878	rVB	0.067	DDT	1107632	18.845	18.912	Breakdown = 1.3%
19	19.489	rBV	0.067		10580	19.483	19.550	
20	19.590	rBV	0.081		17601	19.550	19.630	
21	20.221	rVB	0.067		10150	20.181	20.248	
22	22.933	rVB	0.067		12687	22.899	22.967	
23	23.839	rVB	0.094		17269	23.799	23.893	
24	24.296	rVB	0.074		11026	24.276	24.349	
25	24.678	rBV	0.087		20391	24.631	24.719	
26	25.470	rBV	0.074		26220	25.417	25.491	
27	25.887	rBV	0.060		11450	25.873	25.934	
28	26.618	rBV	0.087		10727	26.545	26.632	
29	26.699	rVB	0.067		9984	26.672	26.739	
30	28.283	rBV	0.067		11633	28.243	28.310	

LB
11/24/10

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS06\DATA\111510\1115F009.D	G	J:\MS06\DATA\111510\1115F015.D
B	J:\MS06\DATA\111510\1115F010.D	H	J:\MS06\DATA\111510\1115F016.D
C	J:\MS06\DATA\111510\1115F011.D	I	J:\MS06\DATA\111510\1115F017.D
D	J:\MS06\DATA\111510\1115F012.D	J	J:\MS06\DATA\111510\1115F018.D
E	J:\MS06\DATA\111510\1115F013.D		
F	J:\MS06\DATA\111510\1115F014.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
N-Nitrosodimethylamine										D	500	1.35	E	1000	1.41
	F	2000	1.47	G	3000	1.57	H	5000	1.67	I	7000	1.64	J	10000	1.70
Bis(2-chloroethyl) Ether				B	100	0.805	C	200	1.01	D	500	0.830	E	1000	0.940
	F	2000	1.01	G	3000	0.984	H	5000	0.979	I	7000	0.915	J	10000	0.908
‡ Phenol	A	50	1.18	B	100	1.12	C	200	1.26	D	500	1.26	E	1000	1.31
‡	F	2000	1.42	G	3000	1.40	H	5000	1.37	I	7000	1.25	J	10000	1.22
2-Chlorophenol	A	50	0.959	B	100	1.02	C	200	1.08	D	500	1.15	E	1000	1.20
	F	2000	1.27	G	3000	1.27	H	5000	1.26	I	7000	1.21	J	10000	1.21
Bis(2-chloroisopropyl) Ether	A	50	1.95	B	100	1.93	C	200	1.99	D	500	1.93	E	1000	2.03
	F	2000	2.09	G	3000	2.09	H	5000	2.04	I	7000	1.88	J	10000	1.81
Hexachloroethane				B	100	0.436	C	200	0.492	D	500	0.569	E	1000	0.610
	F	2000	0.650	G	3000	0.637	H	5000	0.638	I	7000	0.623	J	10000	0.617
† N-Nitrosodi-n-propylamine	A	50	0.800	B	100	0.826	C	200	0.776	D	500	0.799	E	1000	0.876
†	F	2000	0.910	G	3000	0.898	H	5000	0.881	I	7000	0.828	J	10000	0.823
Nitrobenzene	A	50	1.31	B	100	1.24	C	200	1.20	D	500	1.30	E	1000	1.32
	F	2000	1.37	G	3000	1.36	H	5000	1.38	I	7000	1.32	J	10000	1.32
Isophorone	A	50	0.683	B	100	0.655	C	200	0.628	D	500	0.664	E	1000	0.708
	F	2000	0.737	G	3000	0.749	H	5000	0.729	I	7000	0.704	J	10000	0.723
‡ 2-Nitrophenol	A	50	0.196	B	100	0.178	C	200	0.186	D	500	0.203	E	1000	0.225
‡	F	2000	0.233	G	3000	0.231	H	5000	0.227	I	7000	0.218	J	10000	0.225
2,4-Dimethylphenol										D	500	0.273	E	1000	0.294
	F	2000	0.312	G	3000	0.309	H	5000	0.303	I	7000	0.289	J	10000	0.289
Bis(2-chloroethoxy)methane	A	50	0.291	B	100	0.304	C	200	0.334	D	500	0.337	E	1000	0.352
	F	2000	0.364	G	3000	0.364	H	5000	0.349	I	7000	0.329	J	10000	0.333
‡ 2,4-Dichlorophenol	A	50	0.273	B	100	0.271	C	200	0.285	D	500	0.302	E	1000	0.322
‡	F	2000	0.350	G	3000	0.348	H	5000	0.338	I	7000	0.330	J	10000	0.338
Naphthalene	A	50	0.988	B	100	0.974	C	200	0.971	D	500	0.971	E	1000	1.02
	F	2000	1.07	G	3000	1.04	H	5000	1.00	I	7000	0.948	J	10000	0.980

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
‡ Hexachlorobutadiene	A	50	0.288	B	100	0.336	C	200	0.314	D	500	0.331	E	1000	0.336
‡	F	2000	0.357	G	3000	0.348	H	5000	0.344	I	7000	0.334	J	10000	0.349
‡ 4-Chloro-3-methylphenol	A	50	0.250	B	100	0.288	C	200	0.309	D	500	0.306	E	1000	0.324
‡	F	2000	0.356	G	3000	0.349	H	5000	0.348	I	7000	0.337	J	10000	0.342
† Hexachlorocyclopentadiene										D	500	0.433	E	1000	0.574
†	F	2000	0.690	G	3000	0.709	H	5000	0.733	I	7000	0.741	J	10000	0.742
‡ 2,4,6-Trichlorophenol	A	50	0.420	B	100	0.461	C	200	0.504	D	500	0.516	E	1000	0.531
‡	F	2000	0.555	G	3000	0.560	H	5000	0.563	I	7000	0.564	J	10000	0.553
2-Chloronaphthalene	A	50	0.457	B	100	0.497	C	200	0.565	D	500	0.564	E	1000	0.544
	F	2000	0.572	G	3000	0.572	H	5000	0.570	I	7000	0.559	J	10000	0.551
Acenaphthylene	A	50	1.61	B	100	1.83	C	200	1.89	D	500	1.96	E	1000	1.98
	F	2000	2.09	G	3000	2.07	H	5000	2.06						
Dimethyl Phthalate	A	50	1.44	B	100	1.58	C	200	1.48	D	500	1.54	E	1000	1.54
	F	2000	1.60	G	3000	1.61	H	5000	1.60	I	7000	1.58	J	10000	1.56
2,6-Dinitrotoluene	A	50	0.284	B	100	0.299	C	200	0.324	D	500	0.370	E	1000	0.368
	F	2000	0.394	G	3000	0.406	H	5000	0.403	I	7000	0.400	J	10000	0.391
‡ Acenaphthene	A	50	1.09	B	100	1.09	C	200	1.03	D	500	1.10	E	1000	1.09
‡	F	2000	1.15	G	3000	1.16	H	5000	1.14	I	7000	1.12	J	10000	1.08
† 2,4-Dinitrophenol										D	500	0.0828	E	1000	0.130
†	F	2000	0.194	G	3000	0.222	H	5000	0.251	I	7000	0.259	J	10000	0.275
† 4-Nitrophenol													E	1000	0.284
†	F	2000	0.305	G	3000	0.336	H	5000	0.339	I	7000	0.347	J	10000	0.352
2,4-Dinitrotoluene				B	100	0.404	C	200	0.444	D	500	0.500	E	1000	0.514
	F	2000	0.570	G	3000	0.559	H	5000	0.568	I	7000	0.560	J	10000	0.559
Fluorene	A	50	1.32	B	100	1.28	C	200	1.37	D	500	1.39	E	1000	1.43
	F	2000	1.50	G	3000	1.49	H	5000	1.50	I	7000	1.46	J	10000	1.45
4-Chlorophenyl Phenyl Ether	A	50	0.772	B	100	0.808	C	200	0.836	D	500	0.874	E	1000	0.879
	F	2000	0.910	G	3000	0.900	H	5000	0.912	I	7000	0.885	J	10000	0.886
Diethyl Phthalate	A	50	1.72	B	100	1.72	C	200	1.60	D	500	1.58	E	1000	1.59
	F	2000	1.66	G	3000	1.66	H	5000	1.69	I	7000	1.63	J	10000	1.62
2-Methyl-4,6-dinitrophenol													E	1000	0.273
	F	2000	0.345	G	3000	0.360	H	5000	0.391	I	7000	0.387	J	10000	0.396
‡ N-Nitrosodiphenylamine	A	50	0.919	B	100	0.842	C	200	0.940	D	500	1.05	E	1000	1.03
‡	F	2000	1.09	G	3000	1.10	H	5000	1.11	I	7000	1.08	J	10000	1.08
Azobenzene	A	50	1.45	B	100	1.51	C	200	1.48	D	500	1.56	E	1000	1.59
	F	2000	1.65	G	3000	1.66	H	5000	1.67	I	7000	1.62	J	10000	1.58

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
4-Bromophenyl Phenyl Ether	A	50	0.265	B	100	0.262	C	200	0.288	D	500	0.285	E	1000	0.291
	F	2000	0.312	G	3000	0.309	H	5000	0.310	I	7000	0.298	J	10000	0.298
Hexachlorobenzene	A	50	0.274	B	100	0.303	C	200	0.327	D	500	0.315	E	1000	0.314
	F	2000	0.340	G	3000	0.335	H	5000	0.335	I	7000	0.327	J	10000	0.321
‡ Pentachlorophenol										D	500	0.131	E	1000	0.166
‡	F	2000	0.199	G	3000	0.211	H	5000	0.219	I	7000	0.218	J	10000	0.220
Phenanthrene	A	50	0.934	B	100	0.949	C	200	0.998	D	500	0.995	E	1000	0.997
	F	2000	1.07	G	3000	1.04	H	5000	1.04	I	7000	1.00	J	10000	0.993
Anthracene	A	50	0.972	B	100	0.974	C	200	0.984	D	500	1.00	E	1000	1.04
	F	2000	1.12	G	3000	1.11	H	5000	1.10	I	7000	1.06	J	10000	1.05
Di-n-butyl Phthalate	A	50	1.27	B	100	1.20	C	200	1.16	D	500	1.25	E	1000	1.26
	F	2000	1.36	G	3000	1.34	H	5000	1.34	I	7000	1.28	J	10000	1.26
‡ Fluoranthene	A	50	1.07	B	100	1.12	C	200	1.18	D	500	1.22	E	1000	1.26
‡	F	2000	1.35	G	3000	1.34	H	5000	1.35	I	7000	1.30	J	10000	1.29
Pyrene	A	50	0.976	B	100	0.997	C	200	1.04	D	500	1.08	E	1000	1.11
	F	2000	1.19	G	3000	1.12	H	5000	1.10	I	7000	1.08	J	10000	1.08
Butyl Benzyl Phthalate	A	50	0.479	B	100	0.419	C	200	0.451	D	500	0.466	E	1000	0.477
	F	2000	0.518	G	3000	0.492	H	5000	0.476	I	7000	0.470	J	10000	0.460
3,3'-Dichlorobenzidine	A	50	0.341	B	100	0.346	C	200	0.374	D	500	0.414	E	1000	0.438
	F	2000	0.484	G	3000	0.474	H	5000	0.471	I	7000	0.467	J	10000	0.460
Benz(a)anthracene	A	50	0.978	B	100	0.931	C	200	0.984	D	500	1.01	E	1000	1.02
	F	2000	1.12	G	3000	1.09	H	5000	1.08	I	7000	1.07	J	10000	1.06
Chrysene	A	50	0.992	B	100	0.957	C	200	1.04	D	500	0.989	E	1000	1.06
	F	2000	1.12	G	3000	1.07	H	5000	1.04	I	7000	1.04	J	10000	1.02
Bis(2-ethylhexyl) Phthalate	A	50	0.627	B	100	0.555	C	200	0.584	D	500	0.605	E	1000	0.631
	F	2000	0.676	G	3000	0.658	H	5000	0.643	I	7000	0.640	J	10000	0.624
‡ Di-n-octyl Phthalate	A	50	0.910	B	100	0.908	C	200	0.952	D	500	1.07	E	1000	1.15
‡	F	2000	1.26	G	3000	1.25	H	5000	1.27	I	7000	1.26	J	10000	1.27
Benzo(b)fluoranthene	A	50	0.931	B	100	0.885	C	200	0.951	D	500	0.998	E	1000	1.08
	F	2000	1.15	G	3000	1.15	H	5000	1.17	I	7000	1.17	J	10000	1.25
Benzo(k)fluoranthene	A	50	0.953	B	100	1.06	C	200	1.04	D	500	1.15	E	1000	1.19
	F	2000	1.24	G	3000	1.23	H	5000	1.22	I	7000	1.21	J	10000	1.10
‡ Benzo(a)pyrene	A	50	0.786	B	100	0.735	C	200	0.796	D	500	0.842	E	1000	0.893
‡	F	2000	0.981	G	3000	0.987	H	5000	0.993	I	7000	0.992	J	10000	0.982
Indeno(1,2,3-cd)pyrene	A	50	0.663	B	100	0.707	C	200	0.697	D	500	0.748	E	1000	0.814
	F	2000	0.870	G	3000	0.872	H	5000	0.898	I	7000	0.908	J	10000	0.922

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dibenz(a,h)anthracene	A	50	0.668	B	100	0.714	C	200	0.748	D	500	0.818	E	1000	0.846
	F	2000	0.921	G	3000	0.929	H	5000	0.933	I	7000	0.966	J	10000	0.963
Benzo(g,h,i)perylene	A	50	0.743	B	100	0.831	C	200	0.793	D	500	0.856	E	1000	0.908
	F	2000	0.963	G	3000	0.960	H	5000	0.958	I	7000	0.965	J	10000	0.944
2-Fluorophenol	A	50	0.748	B	100	0.803	C	200	0.896	D	500	0.950	E	1000	1.01
	F	2000	1.09	G	3000	1.11	H	5000	1.12	I	7000	1.08	J	10000	1.08
Phenol-d6	A	50	0.975	B	100	1.08	C	200	1.05	D	500	1.14	E	1000	1.18
	F	2000	1.29	G	3000	1.31	H	5000	1.26	I	7000	1.17	J	10000	1.15
Nitrobenzene-d5	A	50	1.10	B	100	1.24	C	200	1.21	D	500	1.26	E	1000	1.35
	F	2000	1.43	G	3000	1.42	H	5000	1.41	I	7000	1.36	J	10000	1.38
2-Fluorobiphenyl	A	50	1.43	B	100	1.60	C	200	1.61	D	500	1.67	E	1000	1.65
	F	2000	1.74	G	3000	1.70	H	5000	1.69	I	7000	1.69	J	10000	1.66
2,4,6-Tribromophenol				B	100	0.136	C	200	0.158	D	500	0.163	E	1000	0.174
	F	2000	0.189	G	3000	0.188	H	5000	0.189	I	7000	0.187	J	10000	0.186
Terphenyl-d14	A	50	0.684	B	100	0.754	C	200	0.763	D	500	0.773	E	1000	0.802
	F	2000	0.870	G	3000	0.823	H	5000	0.820	I	7000	0.795	J	10000	0.805
‡ 1,4-Dichlorobenzene	A	50	1.48	B	100	1.34	C	200	1.48	D	500	1.48	E	1000	1.50
‡	F	2000	1.59	G	3000	1.51	H	5000	1.54	I	7000	1.46	J	10000	1.48

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
N-Nitrosodimethylamine	TRG	AverageRF	% RSD	8.7		≤ 15	1.54		0.01
Bis(2-chloroethyl) Ether	TRG	AverageRF	% RSD	8.1		≤ 15	0.932		0.01
‡ Phenol	MS	AverageRF	% RSD	7.6		≤ 15	1.28		0.01
2-Chlorophenol	MS	AverageRF	% RSD	9.5		≤ 15	1.16		0.01
Bis(2-chloroisopropyl) Ether	TRG	AverageRF	% RSD	4.6		≤ 15	1.97		0.01
Hexachloroethane	TRG	AverageRF	% RSD	12.6		≤ 15	0.586		0.01
† N-Nitrosodi-n-propylamine	MS	AverageRF	% RSD	5.5		≤ 15	0.842		0.05
Nitrobenzene	TRG	AverageRF	% RSD	4.2		≤ 15	1.31		0.01
Isophorone	TRG	AverageRF	% RSD	5.6		≤ 15	0.698		0.01
‡ 2-Nitrophenol	TRG	AverageRF	% RSD	9.4		≤ 15	0.212		0.01
2,4-Dimethylphenol	TRG	AverageRF	% RSD	4.6		≤ 15	0.296		0.01
Bis(2-chloroethoxy)methane	TRG	AverageRF	% RSD	7.1		≤ 15	0.336		0.01
‡ 2,4-Dichlorophenol	TRG	AverageRF	% RSD	9.7		≤ 15	0.316		0.01
Naphthalene	TRG	AverageRF	% RSD	3.6		≤ 15	0.996		0.01
‡ Hexachlorobutadiene	TRG	AverageRF	% RSD	6.0		≤ 15	0.334		0.01
‡ 4-Chloro-3-methylphenol	MS	AverageRF	% RSD	10.4		≤ 15	0.321		0.01
† Hexachlorocyclopentadiene	TRG	Quadratic(0,0)	COD	0.999		≥ 0.990	0.660		0.05
‡ 2,4,6-Trichlorophenol	TRG	AverageRF	% RSD	9.3		≤ 15	0.523		0.01
2-Chloronaphthalene	TRG	AverageRF	% RSD	7.0		≤ 15	0.545		0.01
Acenaphthylene	TRG	AverageRF	% RSD	8.3		≤ 15	1.94		0.01
Dimethyl Phthalate	TRG	AverageRF	% RSD	3.5		≤ 15	1.55		0.01
2,6-Dinitrotoluene	TRG	AverageRF	% RSD	12.5		≤ 15	0.364		0.01
‡ Acenaphthene	MS	AverageRF	% RSD	3.4		≤ 15	1.11		0.01
† 2,4-Dinitrophenol	TRG	Quadratic(0,0)	COD	0.997		≥ 0.990	0.202		0.05
† 4-Nitrophenol	MS	AverageRF	% RSD	8.2		≤ 15	0.327		0.05
2,4-Dinitrotoluene	MS	AverageRF	% RSD	11.6		≤ 15	0.520		0.01
Fluorene	TRG	AverageRF	% RSD	5.5		≤ 15	1.42		0.01
4-Chlorophenyl Phenyl Ether	TRG	AverageRF	% RSD	5.4		≤ 15	0.866		0.01
Diethyl Phthalate	TRG	AverageRF	% RSD	3.0		≤ 15	1.65		0.01
2-Methyl-4,6-dinitrophenol	TRG	AverageRF	% RSD	12.9		≤ 15	0.358		0.01
‡ N-Nitrosodiphenylamine	TRG	AverageRF	% RSD	9.0		≤ 15	1.02		0.01
Azobenzene	TRG	AverageRF	% RSD	4.9		≤ 15	1.58		0.01
4-Bromophenyl Phenyl Ether	TRG	AverageRF	% RSD	6.0		≤ 15	0.292		0.01
Hexachlorobenzene	TRG	AverageRF	% RSD	6.1		≤ 15	0.319		0.01
‡ Pentachlorophenol	MS	Quadratic(0,0)	COD	0.999		≥ 0.990	0.195		0.01
Phenanthrene	TRG	AverageRF	% RSD	4.1		≤ 15	1.00		0.01
Anthracene	TRG	AverageRF	% RSD	5.4		≤ 15	1.04		0.01
Di-n-butyl Phthalate	TRG	AverageRF	% RSD	5.0		≤ 15	1.27		0.01
‡ Fluoranthene	TRG	AverageRF	% RSD	8.0		≤ 15	1.25		0.01
Pyrene	MS	AverageRF	% RSD	5.7		≤ 15	1.08		0.01
Butyl Benzyl Phthalate	TRG	AverageRF	% RSD	5.5		≤ 15	0.471		0.01
3,3'-Dichlorobenzidine	TRG	AverageRF	% RSD	12.9		≤ 15	0.427		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Benz(a)anthracene	TRG	AverageRF	% RSD	5.8		≤ 15	1.03		0.01
Chrysene	TRG	AverageRF	% RSD	4.4		≤ 15	1.03		0.01
Bis(2-ethylhexyl) Phthalate	TRG	AverageRF	% RSD	5.7		≤ 15	0.624		0.01
‡ Di-n-octyl Phthalate	TRG	AverageRF	% RSD	13.8		≤ 15	1.13		0.01
Benzo(b)fluoranthene	TRG	AverageRF	% RSD	11.5		≤ 15	1.07		0.01
Benzo(k)fluoranthene	TRG	AverageRF	% RSD	8.6		≤ 15	1.14		0.01
‡ Benzo(a)pyrene	TRG	AverageRF	% RSD	11.3		≤ 15	0.899		0.01
Indeno(1,2,3-cd)pyrene	TRG	AverageRF	% RSD	12.1		≤ 15	0.810		0.01
Dibenz(a,h)anthracene	TRG	AverageRF	% RSD	12.8		≤ 15	0.851		0.01
Benzo(g,h,i)perylene	TRG	AverageRF	% RSD	9.1		≤ 15	0.892		0.01
2-Fluorophenol	SURR	AverageRF	% RSD	13.6		≤ 15	0.989		0.01
Phenol-d6	SURR	AverageRF	% RSD	9.2		≤ 15	1.16		0.01
Nitrobenzene-d5	SURR	AverageRF	% RSD	8.4		≤ 15	1.32		0.01
2-Fluorobiphenyl	SURR	AverageRF	% RSD	5.2		≤ 15	1.64		0.01
2,4,6-Tribromophenol	SURR	AverageRF	% RSD	10.7		≤ 15	0.175		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	6.3		≤ 15	0.789		0.01
‡ 1,4-Dichlorobenzene	MS	AverageRF	% RSD	4.4		≤ 15	1.49		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010
Date Analyzed: 11/15/2010 - 11/16/2010

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration ID: CAL10053
Units: ng/ml

File ID: J:\MS06\DATA\111510\1115F019.D
J:\MS06\DATA\111510\1115F021.D
J:\MS06\DATA\111510\1115F022.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
N-Nitrosodimethylamine	3000	3000	1.54	1.54	0	NA	± 30 %	AverageRF
Bis(2-chloroethyl) Ether	3000	2900	0.932	0.899	-4	NA	± 30 %	AverageRF
‡ Phenol	3000	3200	1.28	1.34	5	NA	± 20 %	AverageRF
2-Chlorophenol	3000	3200	1.16	1.23	6	NA	± 30 %	AverageRF
Bis(2-chloroisopropyl) Ether	3000	2800	1.97	1.86	-6	NA	± 30 %	AverageRF
Hexachloroethane	3000	3100	0.586	0.601	3	NA	± 30 %	AverageRF
† N-Nitrosodi-n-propylamine	3000	2800	0.842	0.788	-6	NA	± 30 %	AverageRF
Nitrobenzene	3000	2900	1.31	1.28	-2	NA	± 30 %	AverageRF
Isophorone	3000	2900	0.698	0.664	-5	NA	± 30 %	AverageRF
‡ 2-Nitrophenol	3000	3200	0.212	0.228	7	NA	± 20 %	AverageRF
2,4-Dimethylphenol	3000	2800	0.296	0.278	-6	NA	± 30 %	AverageRF
Bis(2-chloroethoxy)methane	3000	3000	0.336	0.334	0	NA	± 30 %	AverageRF
‡ 2,4-Dichlorophenol	3000	3300	0.316	0.346	10	NA	± 20 %	AverageRF
Naphthalene	3000	2900	0.996	0.962	-3	NA	± 30 %	AverageRF
‡ Hexachlorobutadiene	3000	2900	0.334	0.321	-4	NA	± 20 %	AverageRF
‡ 4-Chloro-3-methylphenol	3000	3300	0.321	0.352	10	NA	± 20 %	AverageRF
† Hexachlorocyclopentadiene	5000	5000	0.660	0.719	NA	0	± 30 %	Quadratic(
‡ 2,4,6-Trichlorophenol	3000	3200	0.523	0.556	6	NA	± 20 %	AverageRF
2-Chloronaphthalene	3000	2900	0.545	0.529	-3	NA	± 30 %	AverageRF
Acenaphthylene	3000	2400	1.94	1.55	-20	NA	± 30 %	AverageRF
Dimethyl Phthalate	3000	3000	1.55	1.54	-1	NA	± 30 %	AverageRF
2,6-Dinitrotoluene	3000	3200	0.364	0.392	8	NA	± 30 %	AverageRF
‡ Acenaphthene	3000	3000	1.11	1.09	-2	NA	± 20 %	AverageRF
† 2,4-Dinitrophenol	3000	3100	0.202	0.230	NA	2	± 30 %	Quadratic(
† 4-Nitrophenol	3000	3200	0.327	0.347	6	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	3000	3000	0.520	0.516	-1	NA	± 30 %	AverageRF
Fluorene	3000	3000	1.42	1.43	1	NA	± 30 %	AverageRF
4-Chlorophenyl Phenyl Ether	3000	2900	0.866	0.844	-3	NA	± 30 %	AverageRF
Diethyl Phthalate	3000	2800	1.65	1.55	-6	NA	± 30 %	AverageRF
2-Methyl-4,6-dinitrophenol	3000	3200	0.358	0.380	6	NA	± 30 %	AverageRF
‡ N-Nitrosodiphenylamine	3000	2800	1.02	0.968	-5	NA	± 20 %	AverageRF
Azobenzene	3000	2900	1.58	1.55	-2	NA	± 30 %	AverageRF
4-Bromophenyl Phenyl Ether	3000	3000	0.292	0.293	0	NA	± 30 %	AverageRF
Hexachlorobenzene	3000	3000	0.319	0.315	-1	NA	± 30 %	AverageRF
‡ Pentachlorophenol	3000	3100	0.195	0.215	NA	2	± 20 %	Quadratic(
Phenanthrene	3000	3000	1.00	1.00	0	NA	± 30 %	AverageRF
Anthracene	3000	3000	1.04	1.04	-1	NA	± 30 %	AverageRF
Di-n-butyl Phthalate	3000	2900	1.27	1.23	-3	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010
Date Analyzed: 11/15/2010 - 11/16/2010

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration ID: CAL10053
Units: ng/ml

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Fluoranthene	3000	3000	1.25	1.25	0	NA	± 30 %	AverageRF
Pyrene	3000	3000	1.08	1.08	0	NA	± 30 %	AverageRF
Butyl Benzyl Phthalate	3000	2900	0.471	0.462	-2	NA	± 30 %	AverageRF
3,3'-Dichlorobenzidine	3000	3200	0.427	0.455	7	NA	± 30 %	AverageRF
Benz(a)anthracene	3000	2900	1.03	1.00	-3	NA	± 30 %	AverageRF
Chrysene	3000	3000	1.03	1.02	-1	NA	± 30 %	AverageRF
Bis(2-ethylhexyl) Phthalate	3000	3000	0.624	0.619	-1	NA	± 30 %	AverageRF
Di-n-octyl Phthalate	3000	3200	1.13	1.19	6	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	3000	2900	1.07	1.03	-4	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	3000	3000	1.14	1.13	-1	NA	± 30 %	AverageRF
Benzo(a)pyrene	3000	3500	0.899	1.04	16	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	3000	3100	0.810	0.838	3	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	3000	3100	0.851	0.885	4	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	3000	3000	0.892	0.892	0	NA	± 30 %	AverageRF
1,4-Dichlorobenzene	3000	2800	1.49	1.40	-6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Injection Log

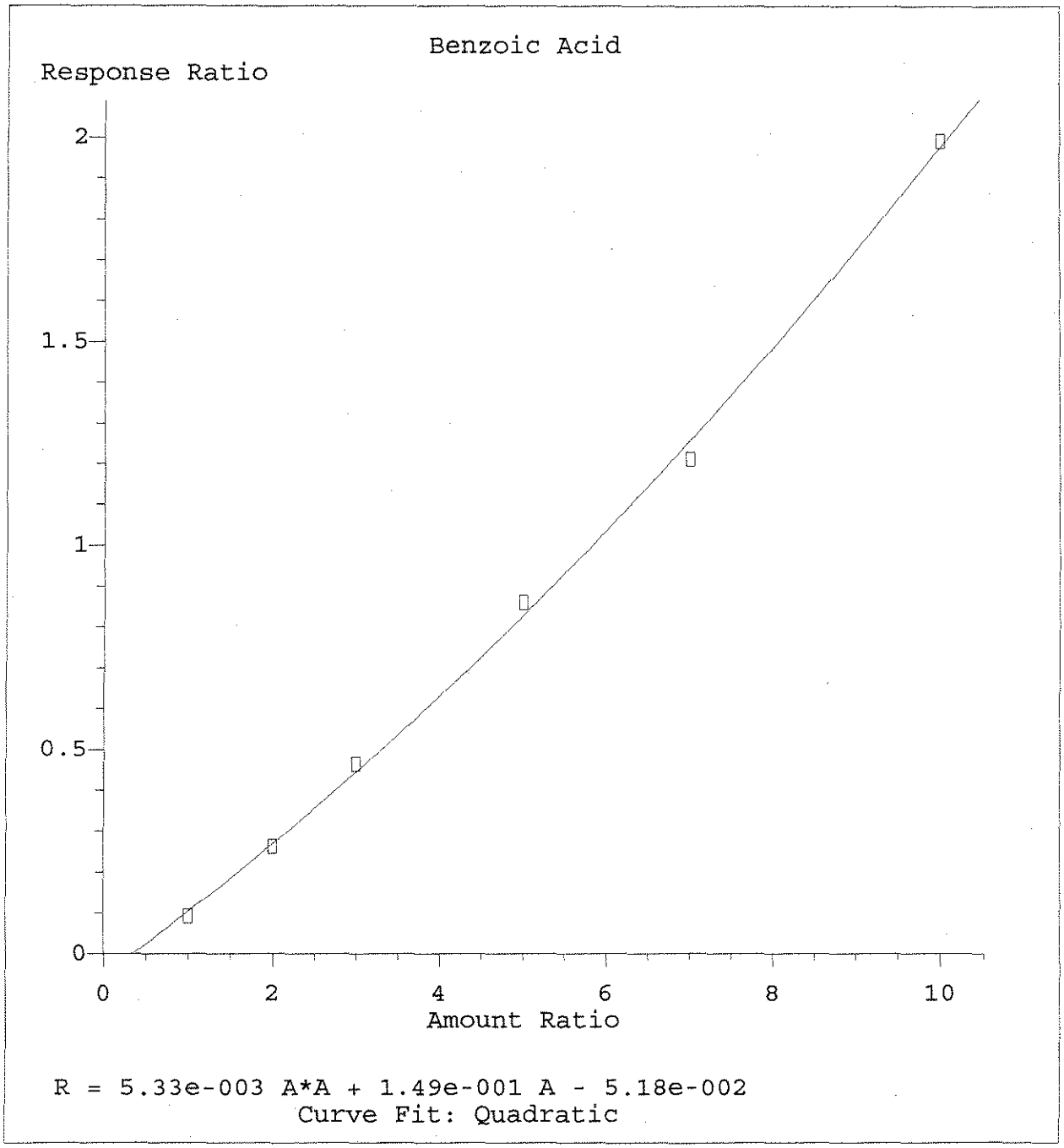
Directory: J:\MS06\DATA\111510

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1115F001.D	1.	Primer		15 Nov 2010 10:4
2	1	1115F002.D	1.	Primer	NR	15 Nov 2010 11:1
3	2	1115F003.D	1.	Primer		15 Nov 2010 11:5
4	3	1115F004.D	1.	2.5ug/mL DFTPP | SVM33-62C	NR	15 Nov 2010 12:5
5	3	1115F005.D	1.	2.5ug/mL DFTPP | SVM33-62C	New Tune	15 Nov 2010 13:4
6	3	1115F006.D	1.	2.5ug/mL DFTPP | SVM33-62C		15 Nov 2010 14:3
7	3	1115F007.D	1.	2.5ug/mL DFTPP | SVM33-62C	OK	15 Nov 2010 15:1
8	4	1115F008.D	1.	IB		15 Nov 2010 15:5
9	5	1115F009.D	1.	0.05ug/mL ICAL SVO_LL | SVM33-63A		15 Nov 2010 16:3
10	6	1115F010.D	1.	0.10ug/mL ICAL SVO_LL | SVM33-63B		15 Nov 2010 17:0
11	7	1115F011.D	1.	0.20ug/mL ICAL SVO_LL | SVM33-63C		15 Nov 2010 17:4
12	8	1115F012.D	1.	0.50ug/mL ICAL SVO_LL | SVM33-63D		15 Nov 2010 18:2
13	9	1115F013.D	1.	1.0ug/mL ICAL SVO_LL | SVM33-63E		15 Nov 2010 19:0
14	10	1115F014.D	1.	2.0ug/mL ICAL SVO_LL | SVM33-63F		15 Nov 2010 19:3
15	11	1115F015.D	1.	3.0ug/mL ICAL SVO_LL | SVM33-63G		15 Nov 2010 20:1
16	12	1115F016.D	1.	5.0ug/mL ICAL SVO_LL | SVM33-63H		15 Nov 2010 20:5
17	13	1115F017.D	1.	7.0ug/mL ICAL SVO_LL | SVM33-63I		15 Nov 2010 21:3
18	14	1115F018.D	1.	10ug/mL ICAL SVO_LL | SVM33-63J		15 Nov 2010 22:0
19	15	1115F019.D	1.	3.0ug/mL ICV SVO_LL | SVM33-50C		15 Nov 2010 22:4
20	16	1115F020.D	1.	3.0ug/mL Ace. ICV SVO_LL | SVM33-61B	NR Not needed	15 Nov 2010 23:2
21	17	1115F021.D	1.	3.0ug/mL CLP ICV SVO_LL | SVM33-27C		16 Nov 2010 00:0
22	18	1115F022.D	1.	5.0ug/mL HCCPD ICV SVO_LL | SVM33-54D		16 Nov 2010 00:3

CAL10053

LB
NOV 16 2010

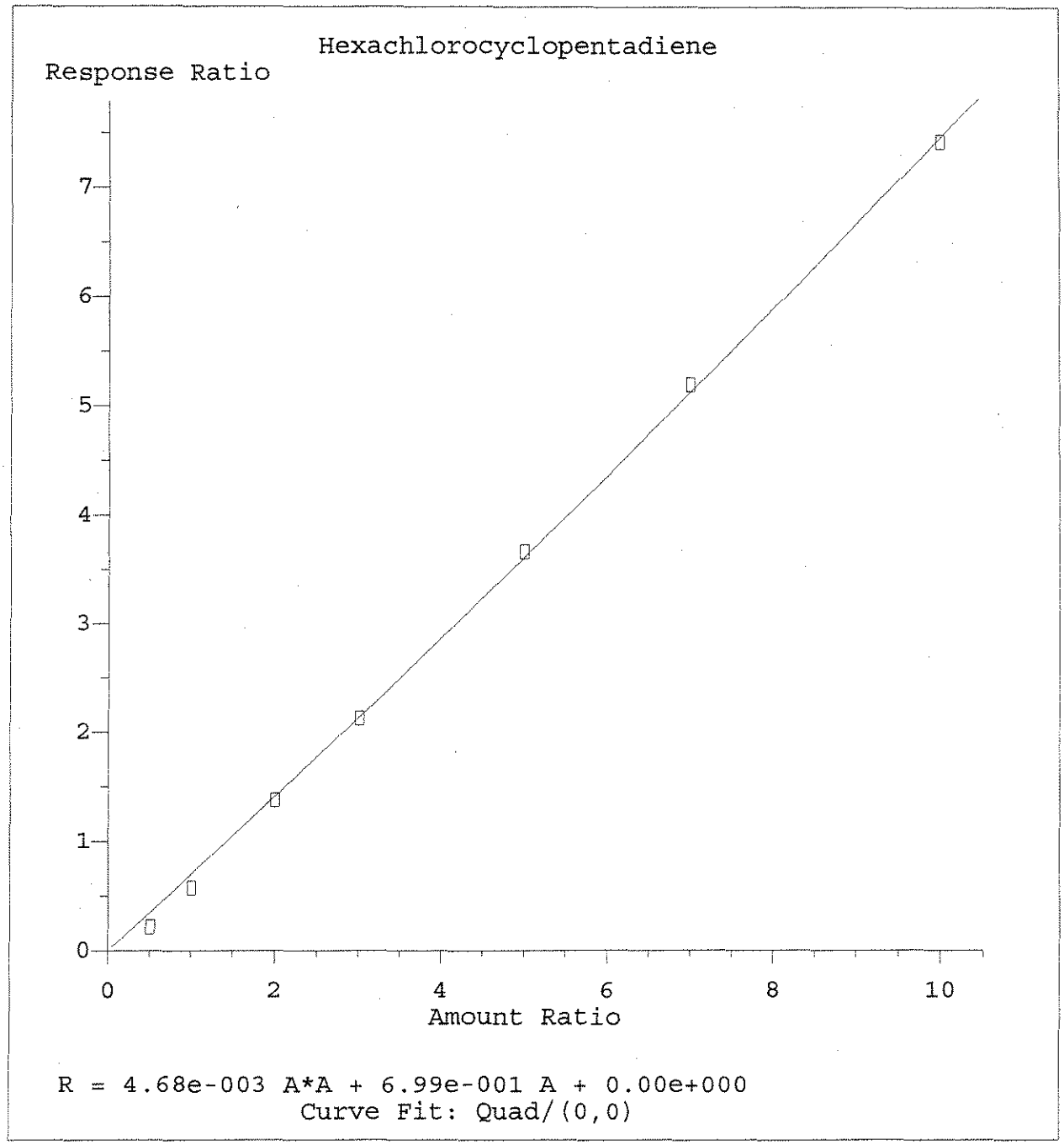
CH 11.17.10



Method Name: J:\MS06\METHODS\BNA\111510_BNLL.M
Calibration Table Last Updated: Tue Nov 16 08:56:12 2010

LB
NOV 16 2010

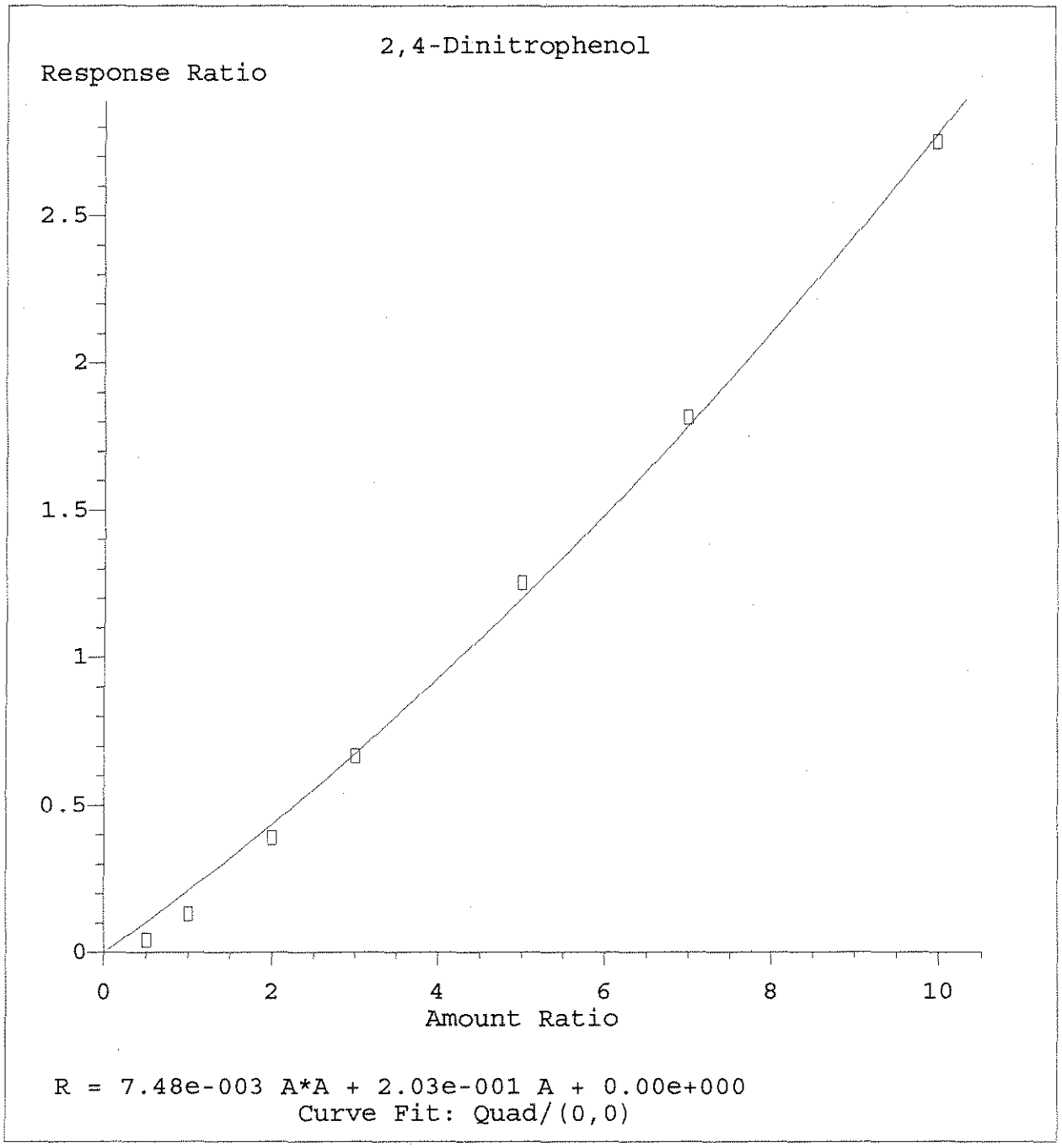
CH 11.17.10



Method Name: J:\MS06\METHODS\BNA\111510_BNLL.M
Calibration Table Last Updated: Tue Nov 16 08:56:12 2010

NOV 16 2010

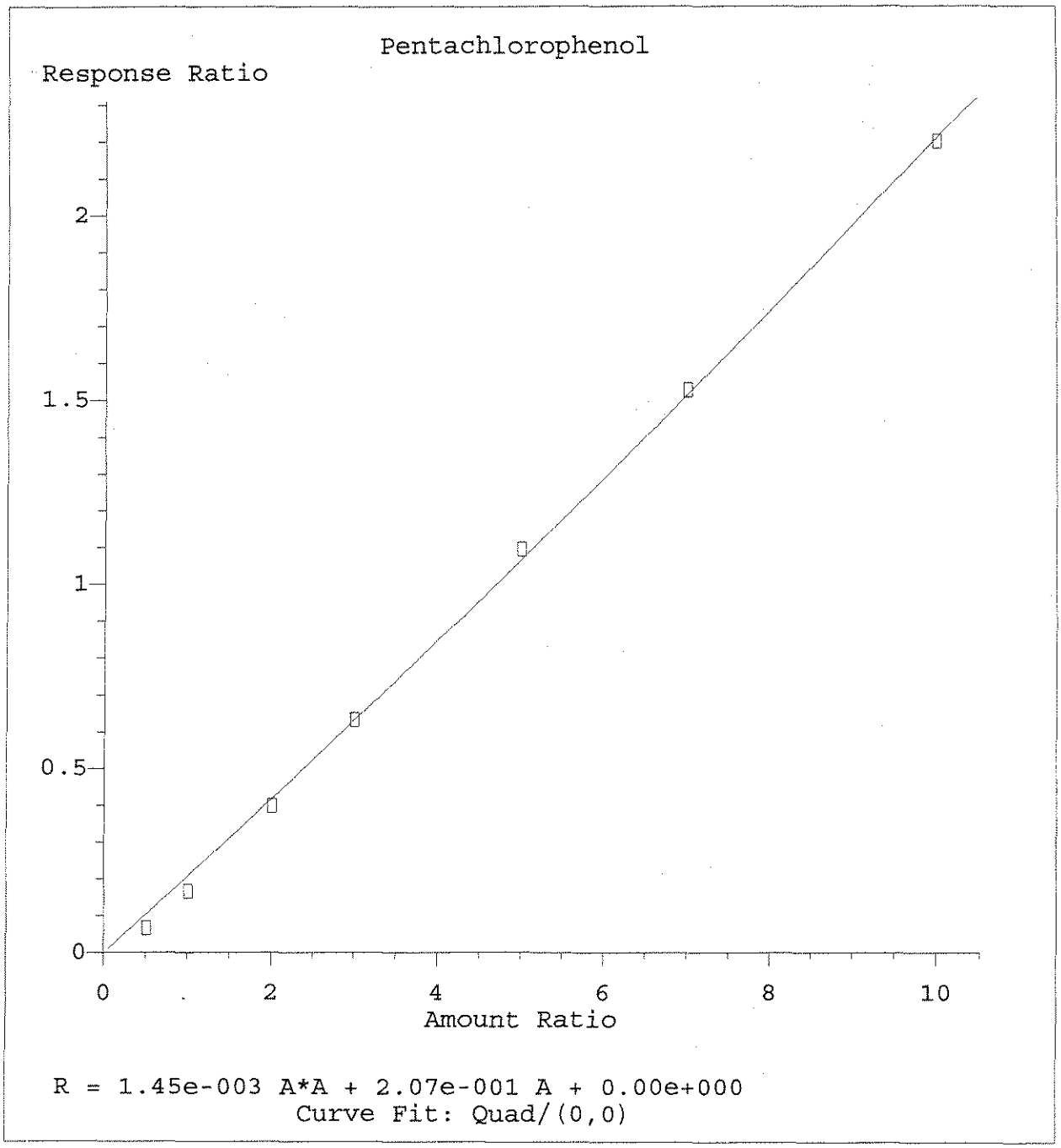
CH 11.17.10



Method Name: J:\MS06\METHODS\BNA\111510_BNLL.M
Calibration Table Last Updated: Tue Nov 16 08:56:12 2010

NOV 16 2010

CH 11-17-10



Method Name: J:\MS06\METHODS\BNA\111510_BNLL.M
Calibration Table Last Updated: Tue Nov 16 08:56:12 2010

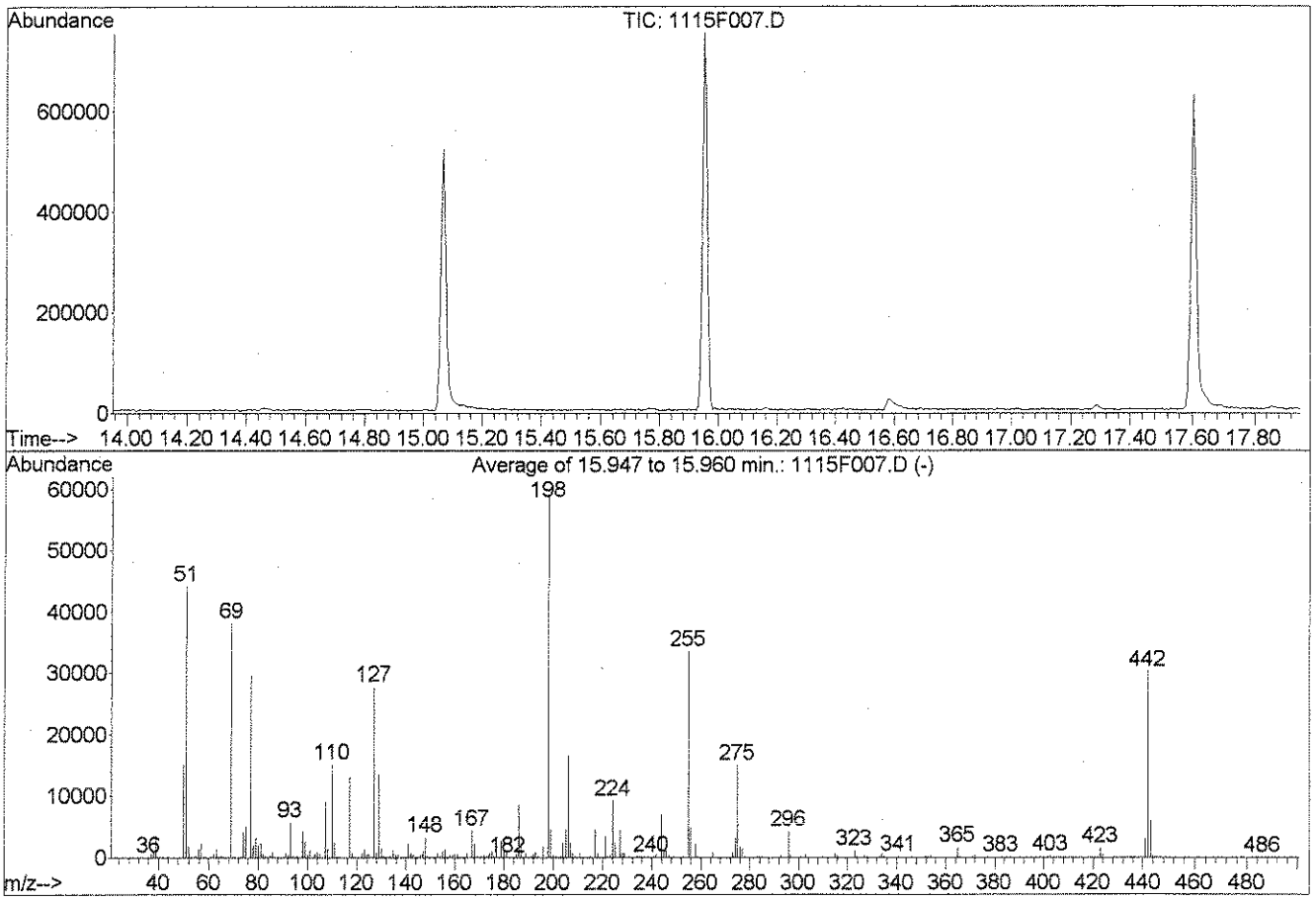
NOV 16 2010

CH 11-17-10

DFTPP

Data File : J:\MS06\DATA\111510\1115F007.D
Acq On : 15 Nov 2010 3:16 pm
Sample : 2.5ug/mL DFTPP | SVM33-62C
Misc :
MS Integration Params: RTEINT.P
Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00



AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1619

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	74.7	44189	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	64.4	38117	PASS
70	69	0.00	2	0.4	136	PASS
127	198	25	75	47.0	27808	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	59157	PASS
199	198	5	9	7.7	4572	PASS
275	198	10	30	25.5	15078	PASS
365	198	0.75	100	2.8	1679	PASS
441	443	0.01	100	51.4	3109	PASS
442	198	40	110	51.3	30329	PASS
443	442	15	24	19.9	6044	PASS

1115F007.D 111510_BNLL.M Tue Nov 16 08:32:19 2010

NOV 16 2010

CH 11-17-10

Average of 15.947 to 15.960 min.: 1115F007.D
2.5ug/mL DFTPP | SVM33-62C
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	67	48.00	36	59.85	35	70.05	136
37.00	494	50.00	15159	60.90	175	71.85	65
37.95	1148	51.00	44189	61.95	645	73.05	171
38.95	3709	52.00	1870	62.95	1383	74.00	4211
39.90	249	53.00	235	63.70	70	75.05	5033
40.90	138	54.05	83	63.95	229	77.00	29632
41.95	51	54.90	397	65.00	341	78.00	1968
44.10	266	55.95	1358	65.80	48	79.00	3296
44.75	50	56.95	2300	66.40	56	80.00	1998
46.50	35	57.85	54	67.15	152	81.00	2370
47.70	37	58.45	54	68.95	38117	81.95	652

Average of 15.947 to 15.960 min.: 1115F007.D
2.5ug/mL DFTPP | SVM33-62C
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.95	412	93.95	359	104.75	45	117.90	791
83.90	47	94.90	85	104.95	561	118.85	32
84.85	310	95.95	312	107.00	9123	119.75	44
85.05	151	96.90	48	107.95	1549	120.05	54
85.95	967	98.00	4283	109.95	15214	120.65	40
86.85	109	99.00	2588	110.95	2577	120.95	35
87.05	174	99.90	282	111.85	152	121.95	807
87.95	127	100.95	1230	112.20	146	123.00	1340
91.00	740	102.05	40	112.95	127	123.75	160
91.90	537	102.90	519	115.10	84	124.05	499
92.95	5795	103.95	917	116.95	13157	124.95	642

Average of 15.947 to 15.960 min.: 1115F007.D
2.5ug/mL DFTPP | SVM33-62C
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
127.00	27808	136.00	409	147.95	3344	155.95	1380
128.00	879	136.95	551	148.85	453	156.90	174
128.95	13539	138.05	132	149.95	145	157.90	456
129.95	1441	138.90	91	150.95	284	158.95	356
130.95	300	140.10	125	151.65	83	159.85	560
131.60	36	140.90	2230	151.95	65	160.80	125
131.90	51	141.95	765	152.15	84	161.00	648
132.80	150	142.95	543	152.95	713	161.95	232
133.65	206	144.90	79	153.95	280	162.90	94
133.90	266	146.00	432	154.25	73	164.05	84
134.90	1300	147.05	982	154.95	1069	164.90	790

Average of 15.947 to 15.960 min.: 1115F007.D
2.5ug/mL DFTPP | SVM33-62C
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
166.95	4446	174.00	714	183.15	50	191.80	176
167.95	2309	174.95	1082	183.35	40	192.00	652
168.95	363	175.85	304	183.75	76	193.00	1016
169.75	71	176.10	99	185.05	530	194.00	237
169.90	143	176.85	689	186.00	8463	195.90	1874
170.45	57	177.85	247	186.95	2565	197.85	59157
170.65	82	178.95	2784	187.95	164	198.90	4572
171.05	92	179.85	1703	188.85	706	200.00	366
171.90	415	180.95	762	189.85	153	201.40	349
173.00	194	181.85	88	190.75	46	202.15	95
173.80	231	182.75	72	191.10	290	203.05	236

NOV 16 2010
CH 11-17-10

Average of 15.947 to 15.960 min.: 1115F007.D
2.5ug/mL DFTPP | SVM33-62C
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
203.95	2452	217.90	643	229.95	77	239.80	125
205.00	4566	218.85	37	230.95	370	240.85	236
206.00	16635	219.25	37	231.85	48	241.90	561
206.90	2415	220.90	3391	233.90	315	243.90	6958
207.90	722	221.80	257	234.90	246	244.90	1103
208.90	216	223.00	354	235.75	301	245.75	255
209.75	151	223.95	9316	236.70	121	245.95	1437
210.95	707	224.95	2434	236.95	175	246.90	325
212.95	41	226.90	4402	238.60	49	247.95	86
214.95	214	227.95	727	238.80	113	248.65	41
216.90	4637	228.90	799	239.20	56	248.85	191

Average of 15.947 to 15.960 min.: 1115F007.D
2.5ug/mL DFTPP | SVM33-62C
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
250.05	44	262.85	47	276.90	1417	294.05	46
250.75	48	263.65	53	277.90	132	295.95	4324
251.15	41	264.90	944	278.95	43	296.85	512
252.70	200	265.85	180	281.85	48	298.05	59
254.90	33608	268.10	34	282.75	39	300.90	82
255.90	4947	270.90	77	283.05	184	301.90	47
257.90	2244	272.85	721	283.90	178	302.90	522
258.80	224	273.10	530	284.95	206	303.80	147
259.00	166	274.05	3279	290.80	40	307.55	43
259.95	40	275.00	15078	291.80	92	309.80	82
260.55	36	275.95	1814	292.80	321	310.95	34

Average of 15.947 to 15.960 min.: 1115F007.D
2.5ug/mL DFTPP | SVM33-62C
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
312.75	54	330.15	34	351.90	250	383.90	37
313.90	174	332.00	44	352.85	241	389.65	34
314.90	653	333.00	189	353.95	410	390.95	36
315.90	359	333.95	677	354.85	40	401.80	191
320.70	58	334.85	321	364.80	1679	402.85	236
321.00	53	335.90	38	365.85	219	403.85	45
322.90	1179	340.90	261	370.85	129	414.70	48
323.80	261	342.05	39	371.90	545	420.80	152
326.35	41	345.75	77	372.80	169	422.90	1605
326.80	276	345.90	142	382.20	45	423.90	420
327.80	84	351.70	66	382.85	114	440.95	3109

Average of 15.947 to 15.960 min.: 1115F007.D
2.5ug/mL DFTPP | SVM33-62C
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.90	30329						
442.90	6044						
443.80	244						
444.00	194						
486.05	49						

LB
NOV 16 2010

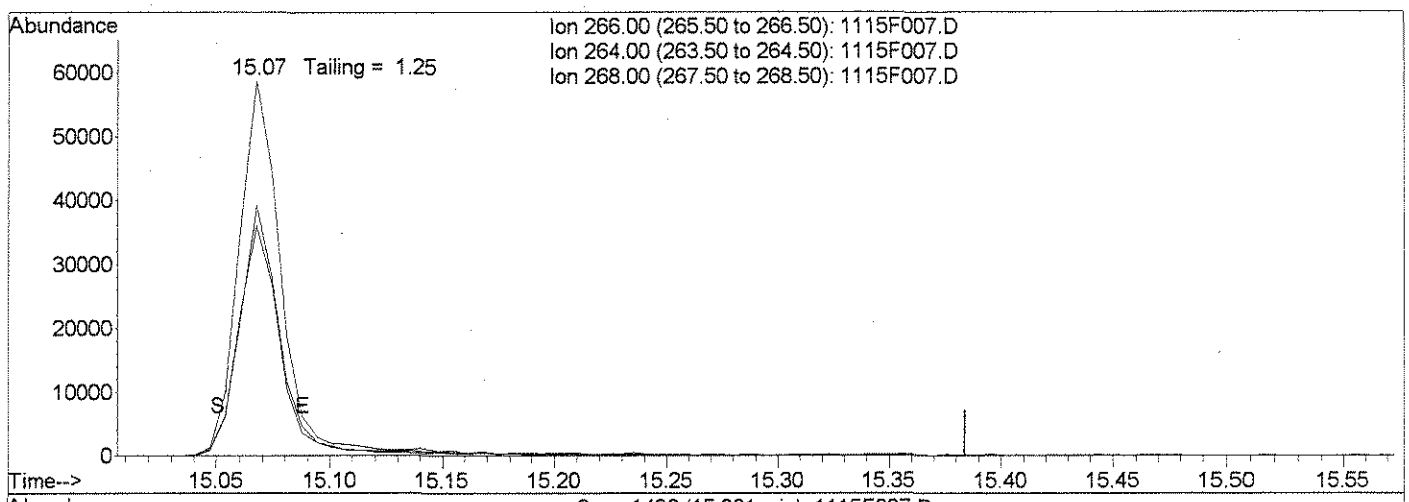
CH 11.17.10

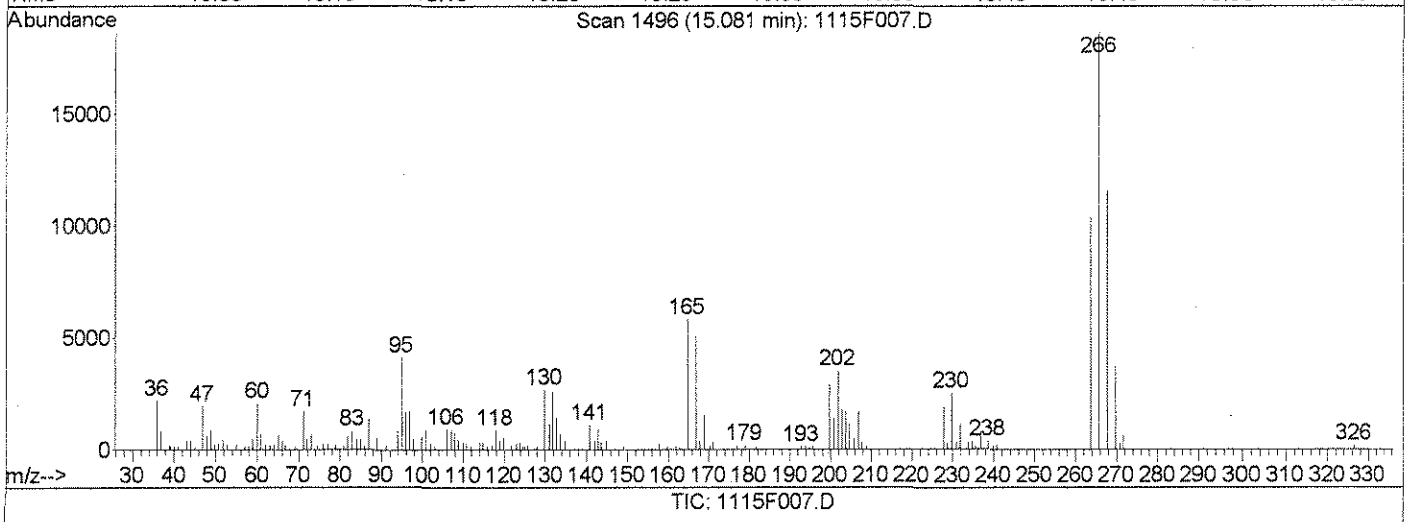
Quantitation Report

Data File : J:\MS06\DATA\111510\1115F007.D
Acq On : 15 Nov 2010 3:16 pm
Sample : 2.5ug/mL DFTPP | SVM33-62C
Misc :
MS Integration Params: RTEINT.P

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration





TIC: 1115F007.D

(64) Pentachlorophenol

Exp R.T. 15.08min

response 0

Ion	Exp%	Act%
266.00	100	100
264.00	65.10	55.62
268.00	64.80	61.98
0.00	0.00	0.00

LB
NOV 16 2010

CH 11.17.10

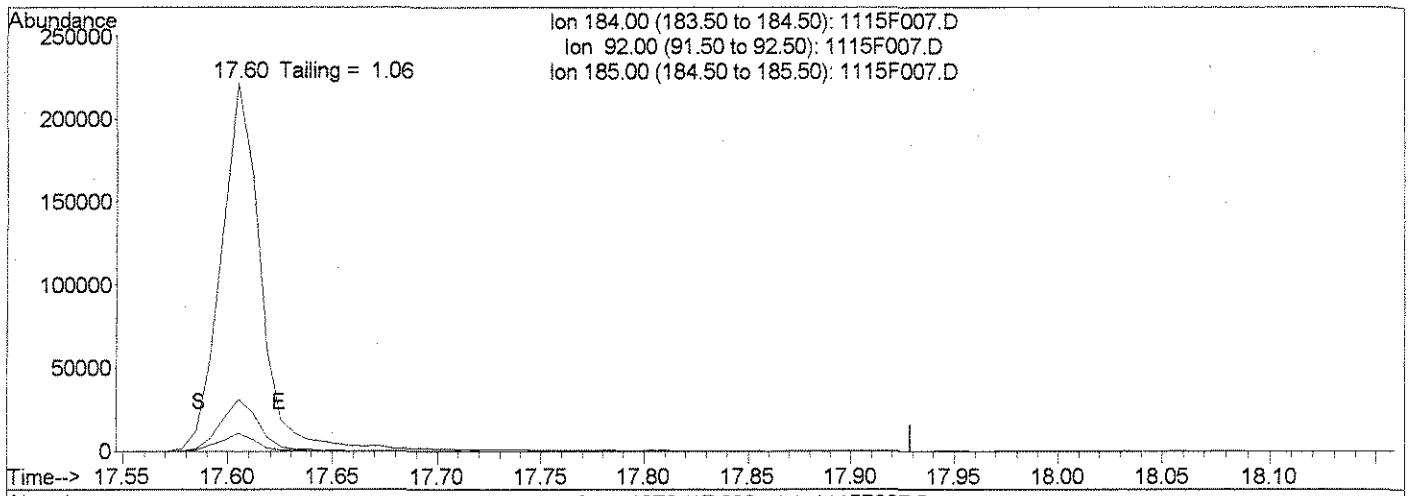
1115F007.D 111510_BNLL.M Tue Nov 16 08:32:34 2010

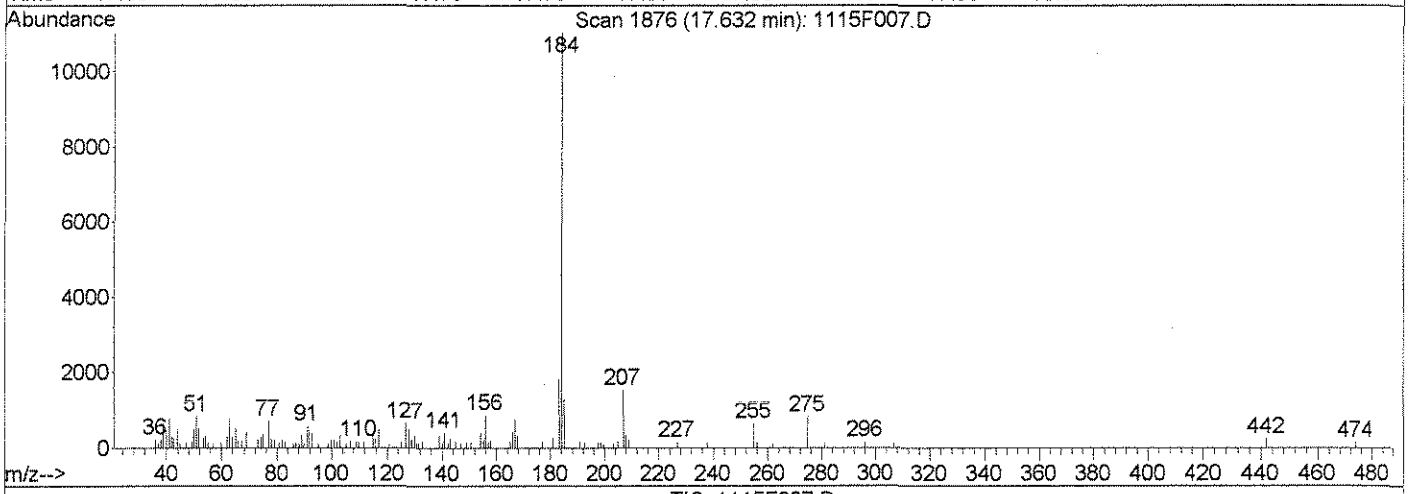
Quantitation Report

Data File : J:\MS06\DATA\111510\1115F007.D
Acq On : 15 Nov 2010 3:16 pm
Sample : 2.5ug/mL DFTPP | SVM33-62C
Misc :
MS Integration Params: RTEINT.P

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration





TIC: 1115F007.D

(71) Benzidine

Exp R.T. 17.63min

response 0

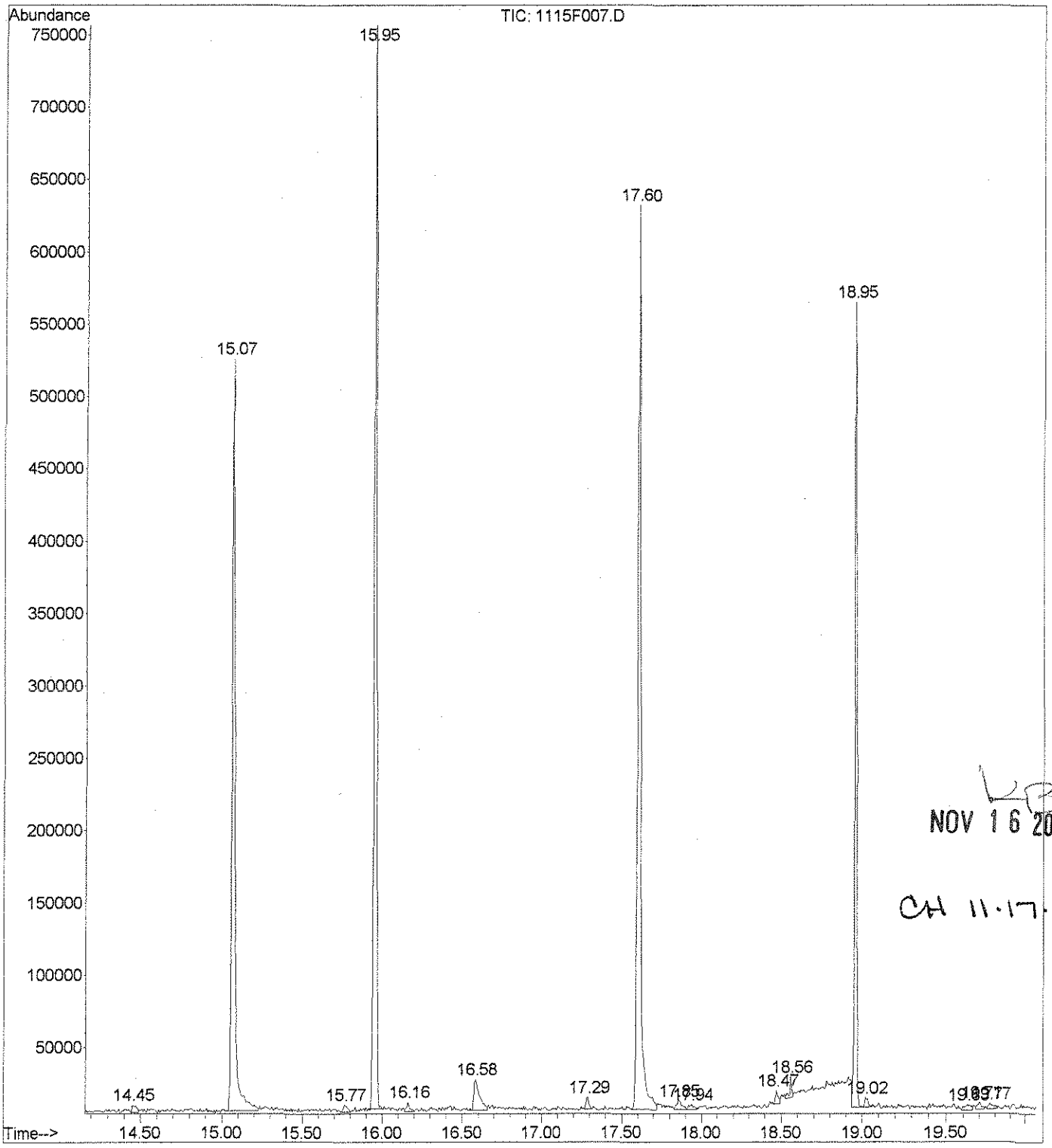
Ion	Exp%	Act%
184.00	100	100
92.00	7.20	4.33
185.00	13.80	11.93
0.00	0.00	0.00

LB
NOV 16 2010

CH 11.17.10

1115F007.D 111510_BNLL.M Tue Nov 16 08:32:46 2010

File : J:\MS06\DATA\111510\1115F007.D
Operator : KBailey
Acquired : 15 Nov 2010 3:16 pm using AcqMethod BNALL
Instrument : MS06
Sample Name: 2.5ug/mL DFTPP | SVM33-62C
Misc Info :
Vial Number: 3



NOV 16 2010

CH 11.17.10

1	6.374	rVB	0.114		12507	6.314	6.428	
2	8.509	rBV	0.128		42539	8.455	8.583	
3	8.885	rBV	0.047		9235	8.858	8.905	
4	10.610	rBV	0.087		11106	10.583	10.671	
5	10.879	rBV	0.087		9530	10.832	10.919	
6	11.107	rVB	0.060		8588	11.080	11.140	
7	11.711	rBV	0.081		9854	11.651	11.731	
8	13.523	rBV	0.060		10323	13.477	13.537	
9	14.450	rBV	0.047		9862	14.443	14.490	
10	15.067	rBV	0.201		690477	15.027	15.229	
11	15.766	rBV	0.067		8737	15.739	15.806	
12	15.954	rVB	0.087		831401	15.920	16.007	
13	16.162	rVB	0.060		8181	16.142	16.202	
14	16.585	rBV	0.114		52694	16.544	16.658	
15	17.289	rVB	0.047		10449	17.269	17.316	
16	17.605	rBV	0.161		846319	17.558	17.719	
17	17.853	rVB	0.081		14991	17.826	17.907	
18	17.941	rBV	0.074		8236	17.907	17.981	
19	18.471	rBV	0.040		10964	18.451	18.491	
20	18.558	rVV	0.047		12132	18.525	18.572	
21	18.954	rVB	0.067	DDT	492393	18.934	19.001	Breakdown
22	19.021	rBV	0.060		9739	19.001	19.062	
23	19.626	rBV	0.067		11806	19.592	19.659	
24	19.706	rVV	0.054		8601	19.679	19.733	< 20%
25	19.766	rVV	0.067		8709	19.746	19.813	
26	21.042	rBV	0.067		11071	21.022	21.089	
27	25.338	rBV	0.074		8170	25.278	25.352	
28	26.855	rBV	0.060		8868	26.815	26.875	
29	27.278	rBV	0.054		8956	27.258	27.312	
30	27.755	rBV	0.060		8166	27.715	27.775	

LB

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F008.D Vial: 4
Acq On : 15 Nov 2010 3:54 pm Operator: KBailey
Sample : IB Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 09:04:19 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	59812	1000.00 ng/ml	0.00
22) Naphthalene-d8	10.14	136	183614	1000.00 ng/ml	-0.01
36) Acenaphthene-d10	12.94	164	95760	1000.00 ng/ml	0.00
60) Phenanthrene-d10	15.35	188	184035	1000.00 ng/ml	-0.01
70) Chrysene-d12	19.70	240	211145	1000.00 ng/ml	-0.02
79) Perylene-d12	23.13	264	188114	1000.00 ng/ml	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00 ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.00%#		
6) Phenol-d6	0.00	99	0	0.00 ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery = 0.00%#		
20) Nitrobenzene-d5	0.00	82	0	0.00 ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery = 0.00%#		
40) 2-Fluorobiphenyl	0.00	172	0	0.00 ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery = 0.00%#		
61) 2,4,6-Tribromophenol	0.00	330	0	0.00 ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.00%#		
73) Terphenyl-d14	0.00	244	0	0.00 ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery = 0.00%#		

Target Compounds					Qvalue
55) Diethyl Phthalate	13.74	149	1305m	8.27 ng/ml	

LB
NOV 16 2010

CH 11.17.10

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

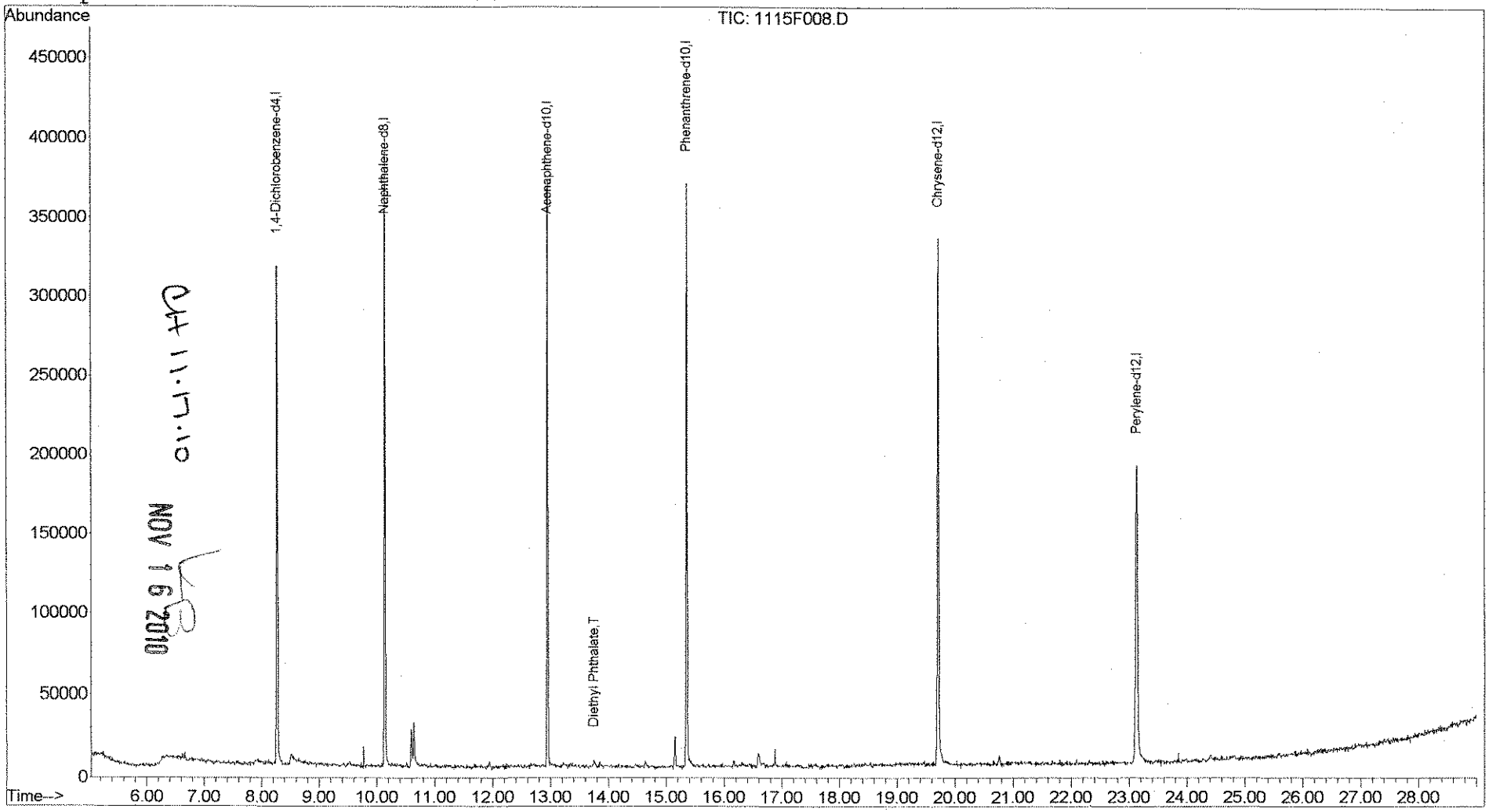
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F008.D
Acq On : 15 Nov 2010 3:54 pm
Sample : IB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 9:04 2010

Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



2082

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:56 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	62214	1000.00 ng/ml	-0.04
22) Naphthalene-d8	10.14	136	191512	1000.00 ng/ml	-0.03
36) Acenaphthene-d10	12.94	164	97977	1000.00 ng/ml	-0.03
60) Phenanthrene-d10	15.35	188	187839	1000.00 ng/ml	-0.02
70) Chrysene-d12	19.70	240	213028	1000.00 ng/ml	-0.03
79) Perylene-d12	23.13	264	189164	1000.00 ng/ml	-0.03

System Monitoring Compounds					
4) 2-Fluorophenol	6.67	112	2327	36.99 ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.99%#		
6) Phenol-d6	7.81	99	3034	39.74 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 1.06%#		
20) Nitrobenzene-d5	9.07	82	3426	47.05 ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 1.88%#		
40) 2-Fluorobiphenyl	11.89	172	7011	50.91 ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 2.04%#		
61) 2,4,6-Tribromophenol	14.23	330	1054	34.64 ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.92%#		
73) Terphenyl-d14	18.00	244	7281	46.88 ng/ml	-0.03
Spiked Amount 2500.000	Range 54 - 158		Recovery = 1.88%#		

Target Compounds					Qvalue
7) Phenol	7.83	94	3663	45.47 ng/ml	86
8) Aniline	7.88	93	3787	44.84 ng/ml#	81
9) 2-Chlorophenol	7.99	128	2983	36.89 ng/ml	91
10) 1,3-Dichlorobenzene	8.19	146	4731	49.77 ng/ml	95
11) 1,4-Dichlorobenzene	8.30	146	4601	47.50 ng/ml	92
12) 1,2-Dichlorobenzene	8.50	146	4071	44.40 ng/ml	80
13) Benzyl Alcohol	8.53	108	1574	33.13 ng/ml	94
14) Bis(2-chloroisopropyl) Eth	8.69	45	6078m	38.41 ng/ml	
15) 2-Methylphenol	8.66	107	2569	45.21 ng/ml	82
16) Acetophenone	8.87	105	4071	40.22 ng/ml	90
18) N-Nitrosodi-n-propylamine	8.87	70	2490	47.58 ng/ml#	78
19) 4-Methylphenol	8.89	107	3313	38.95 ng/ml	84
21) Nitrobenzene	9.09	77	4083	56.58 ng/ml	71
23) Isophorone	9.47	82	6544	51.72 ng/ml	95
24) 2-Nitrophenol	9.57	139	1881	55.63 ng/ml	97
25) 2,4-Dimethylphenol	9.68	122	2370	49.48 ng/ml#	65
26) Bis(2-chloroethoxy)methane	9.83	93	2784	41.67 ng/ml	87
27) 2,4-Dichlorophenol	9.95	162	2611	42.33 ng/ml	70
29) 1,2,4-Trichlorobenzene	10.06	180	3767	53.85 ng/ml	90
30) Naphthalene	10.17	128	9462	45.47 ng/ml	78

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

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:56 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31)	4-Chloroaniline	10.31	127	3407	36.46 ng/ml	94
32)	Hexachlorobutadiene	10.39	225	2759	54.75 ng/ml	92
33)	4-Chloro-3-methylphenol	11.11	107	2394	37.54 ng/ml	76
34)	2-Methylnaphthalene	11.27	141	4669	34.99 ng/ml	84
35)	1-Methylnaphthalene	11.43	141	5622	42.50 ng/ml	83
38)	2,4,6-Trichlorophenol	11.75	196	2059	50.01 ng/ml	90
39)	2,4,5-Trichlorophenol	11.82	196	1812	38.75 ng/ml	91
41)	2-Chloronaphthalene	12.05	127	2240	47.33 ng/ml	89
42)	2-Nitroaniline	12.24	65	1844	46.45 ng/ml#	58
43)	Acenaphthylene	12.71	152	7882	40.36 ng/ml	98
44)	Dimethyl Phthalate	12.58	163	7077	47.09 ng/ml	93
45)	2,6-Dinitrotoluene	12.66	165	1390	45.01 ng/ml	86
46)	Acenaphthene	13.00	154	5361	45.09 ng/ml	88
47)	3-Nitroaniline	12.93	138	1601	44.52 ng/ml#	89
49)	Dibenzofuran	13.28	168	8266	44.23 ng/ml	86
53)	Fluorene	13.84	166	6456	44.91 ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.88	204	3780	49.73 ng/ml	84
55)	Diethyl Phthalate	13.74	149	8405	50.29 ng/ml	93
58)	N-Nitrosodiphenylamine	14.08	169	4502	43.99 ng/ml	93
59)	Azobenzene	14.13	77	7100m	46.22 ng/ml	
62)	4-Bromophenyl Phenyl Ether	14.67	248	2486	46.70 ng/ml	86
63)	Hexachlorobenzene	14.72	284	2569	42.33 ng/ml	92
65)	Phenanthrene	15.39	178	8772	37.61 ng/ml	87
66)	Anthracene	15.47	178	9132	37.62 ng/ml	90
67)	Carbazole	15.76	167	7488	35.59 ng/ml	98
68)	Di-n-butyl Phthalate	16.43	149	11964	38.36 ng/ml	98
69)	Fluoranthene	17.32	202	10054	38.17 ng/ml	93
71)	Benzidine	17.60	184	4751	51.38 ng/ml	86
72)	Pyrene	17.68	202	10393	44.92 ng/ml	91
74)	Butyl Benzyl Phthalate	18.86	149	5104	40.98 ng/ml	87
75)	3,3'-Dichlorobenzidine	19.70	252	3628	39.73 ng/ml	83
76)	Benz(a)anthracene	19.69	228	10412	46.12 ng/ml	97
77)	Chrysene	19.75	228	10567	48.34 ng/ml	97
78)	Bis(2-ethylhexyl) Phthalat	19.92	149	6677	38.54 ng/ml	85
80)	Di-n-octyl Phthalate	21.43	149	8607	32.55 ng/ml	75
81)	Benzo(b)fluoranthene	22.13	252	8805	42.06 ng/ml	95
82)	Benzo(k)fluoranthene	22.21	252	9010m	41.43 ng/ml	
83)	Benzo(a)pyrene	22.97	252	7438	39.54 ng/ml	96
84)	Indeno(1,2,3-cd)pyrene	25.52	276	6271	37.98 ng/ml	86
85)	Dibenz(a,h)anthracene	25.60	278	6321	36.64 ng/ml	79
86)	Benzo(g,h,i)perylene	26.01	276	7028	38.25 ng/ml	82

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

NOV 16 2010

CH 11-17-10

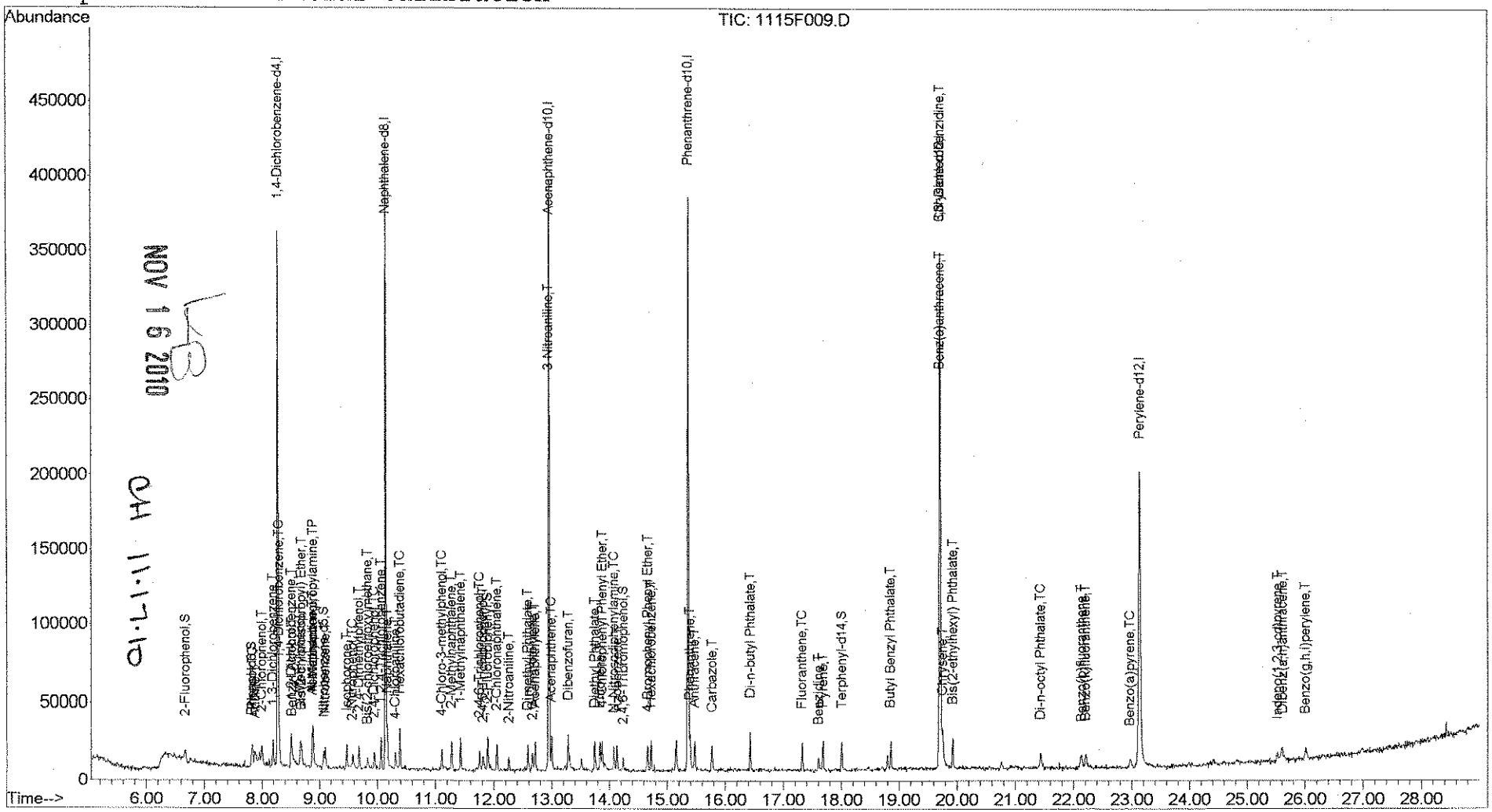
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F009.D
Acq On : 15 Nov 2010 4:32 pm
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:34 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration

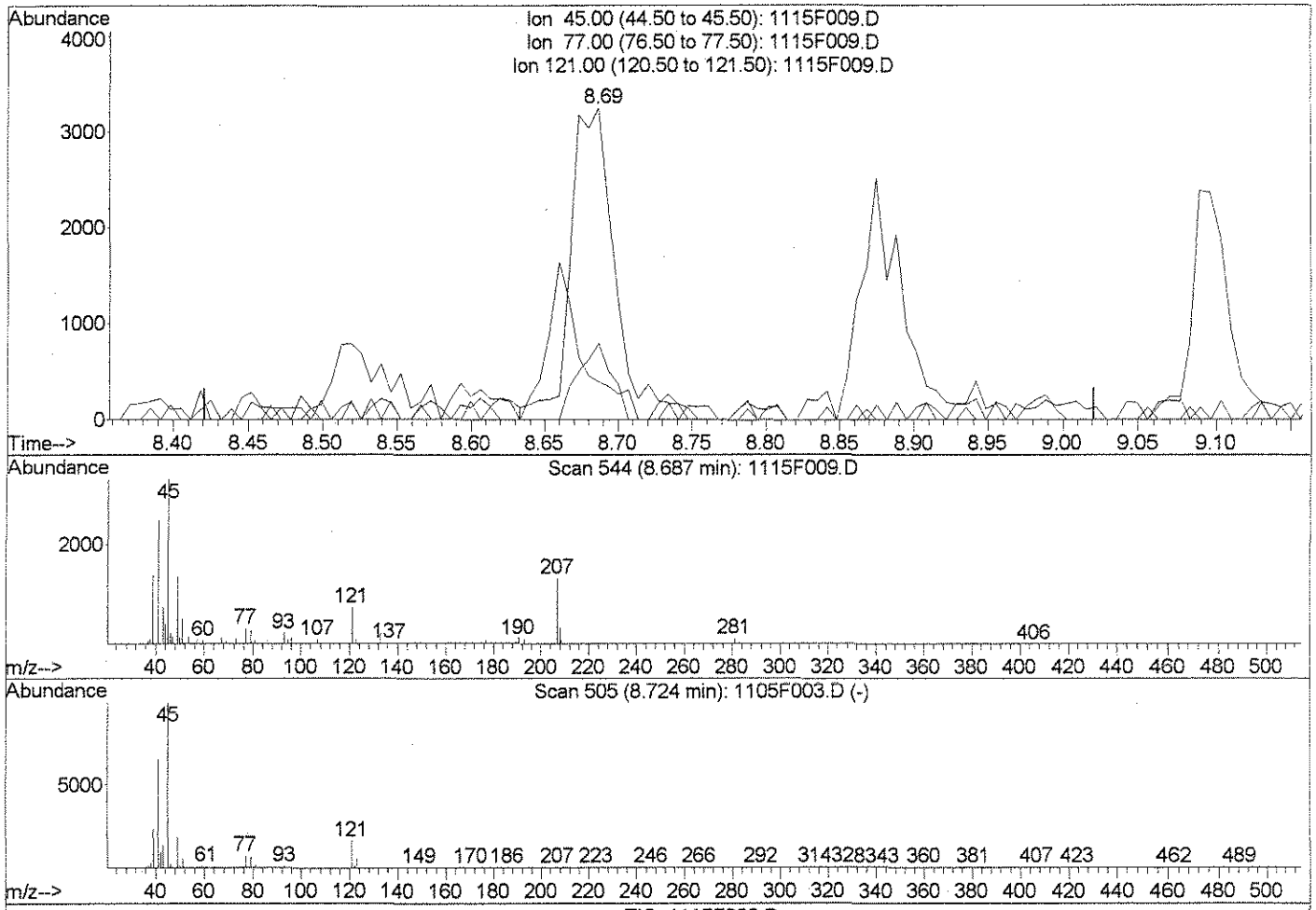


2085

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:33 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



TIC: 1115F009.D

(14) Bis(2-chloroisopropyl) Ether (T)

8.69min 42.34ng/ml

response 6701

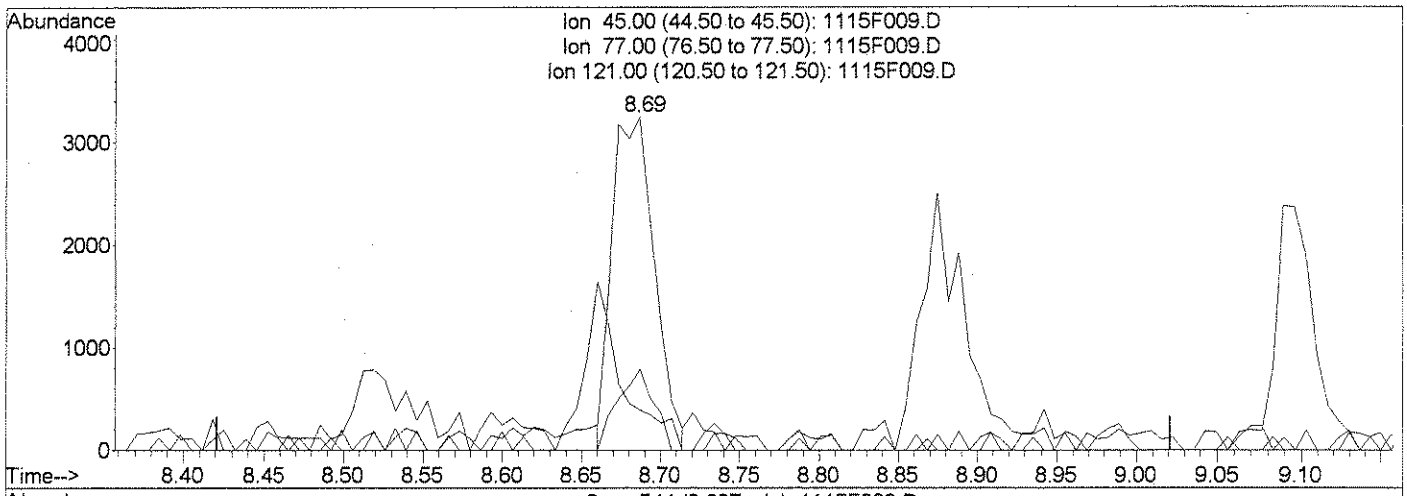
Ion	Exp%	Act%
45.00	100	100
77.00	8.00	12.01
121.00	15.40	24.29
0.00	0.00	0.00

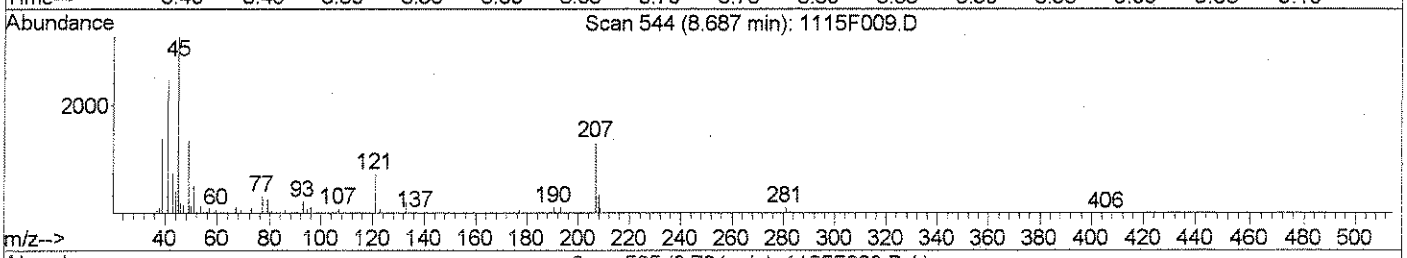
Quantitation Report (Qedit)

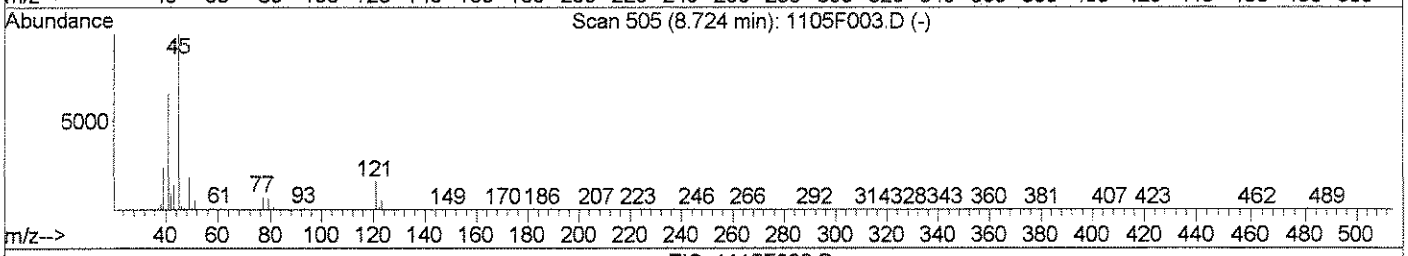
Data File : J:\MS06\DATA\111510\1115F009.D
Acq On : 15 Nov 2010 4:32 pm
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:33 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F009.D

(14) Bis(2-chloroisopropyl) Ether (T)

8.69min 38.41ng/ml m

response 6078

Ion	Exp%	Act%
45.00	100	100
77.00	8.00	12.01
121.00	15.40	24.29
0.00	0.00	0.00

D1

NOV 16 2010

CH 11.17.10

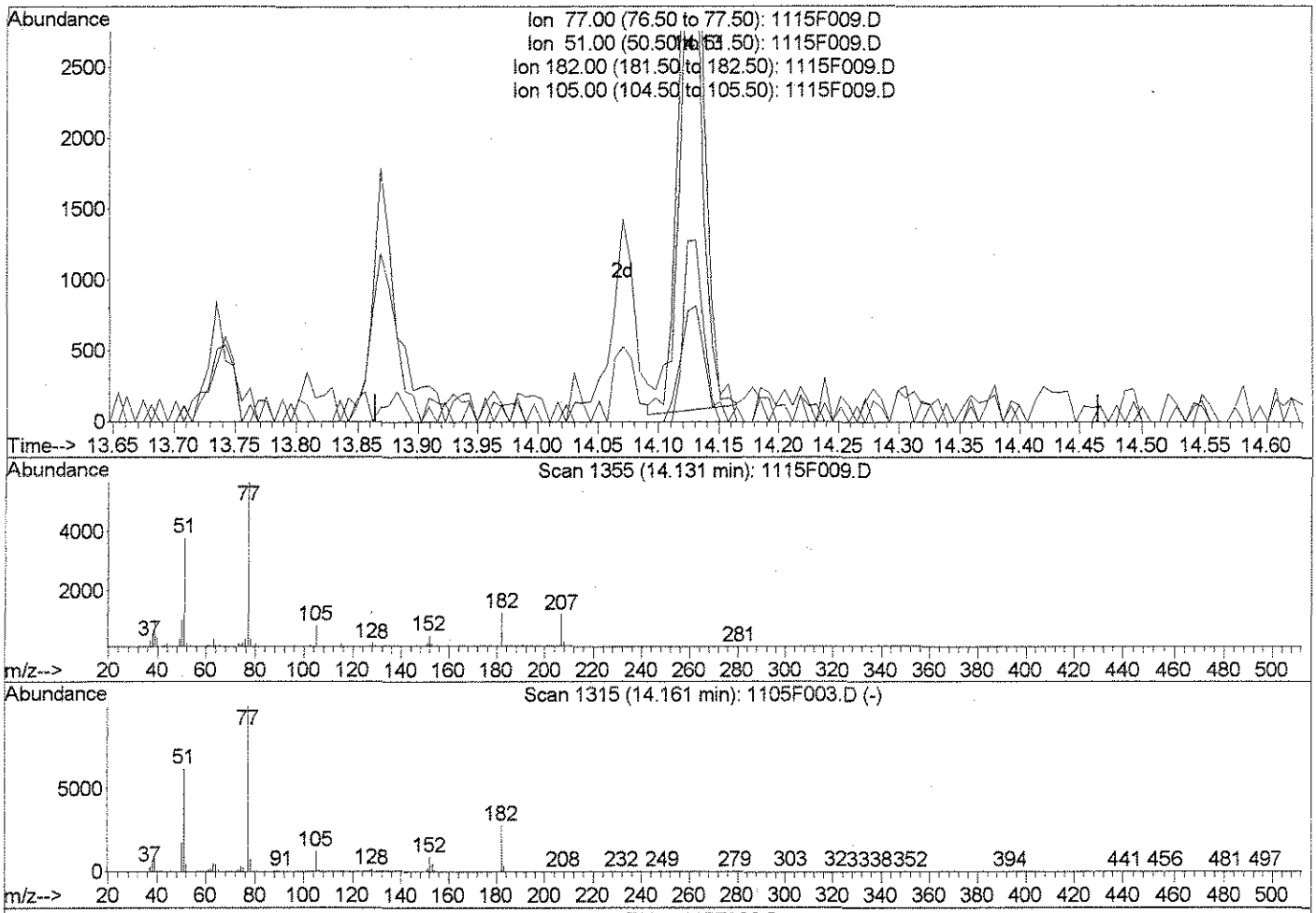
1115F009.D 111510_BNLL.M Tue Nov 16 08:33:41 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F009.D
Acq On : 15 Nov 2010 4:32 pm
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:34 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(59) Azobenzene (T)

14.13min 45.35ng/ml

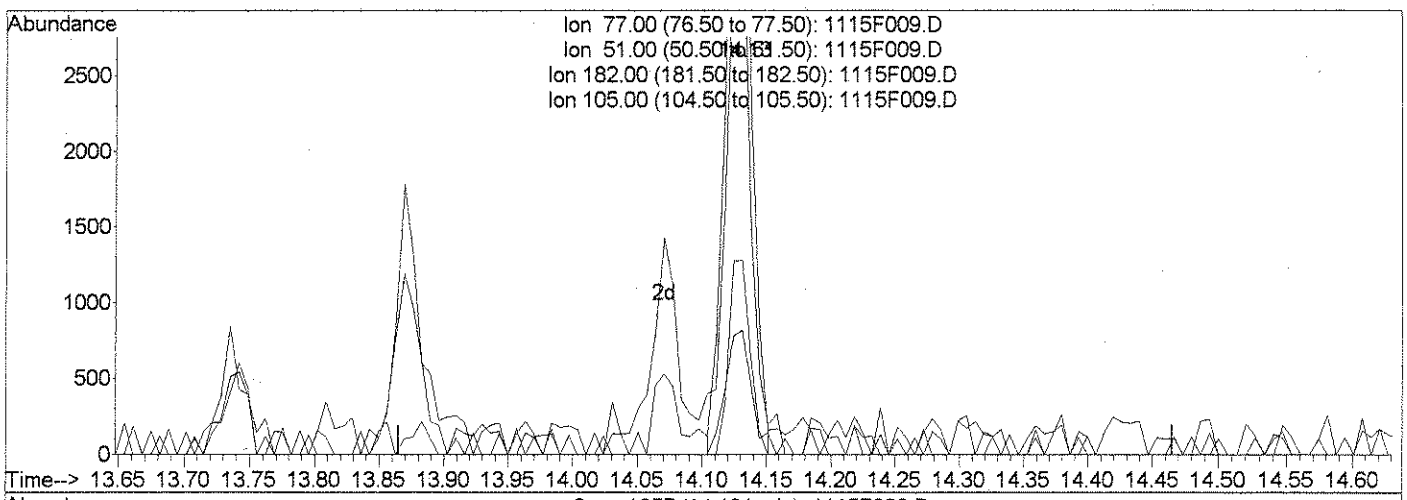
response 6965

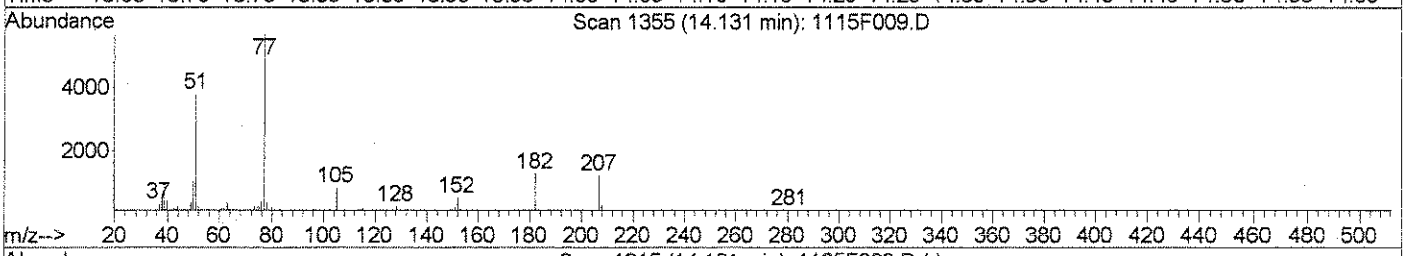
Ion	Exp%	Act%
77.00	100	100
51.00	63.10	68.12
182.00	27.90	22.93
105.00	11.60	14.65

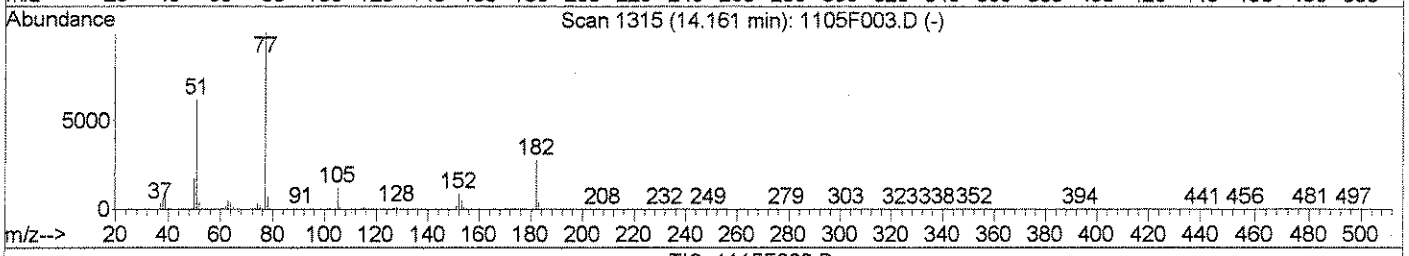
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:34 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F009.D

(59) Azobenzene (T)

14.13min 46.22ng/ml m

response 7100

Ion	Exp%	Act%
77.00	100	100
51.00	63.10	66.71
182.00	27.90	22.46
105.00	11.60	14.35

BL

LB
NOV 16 2010

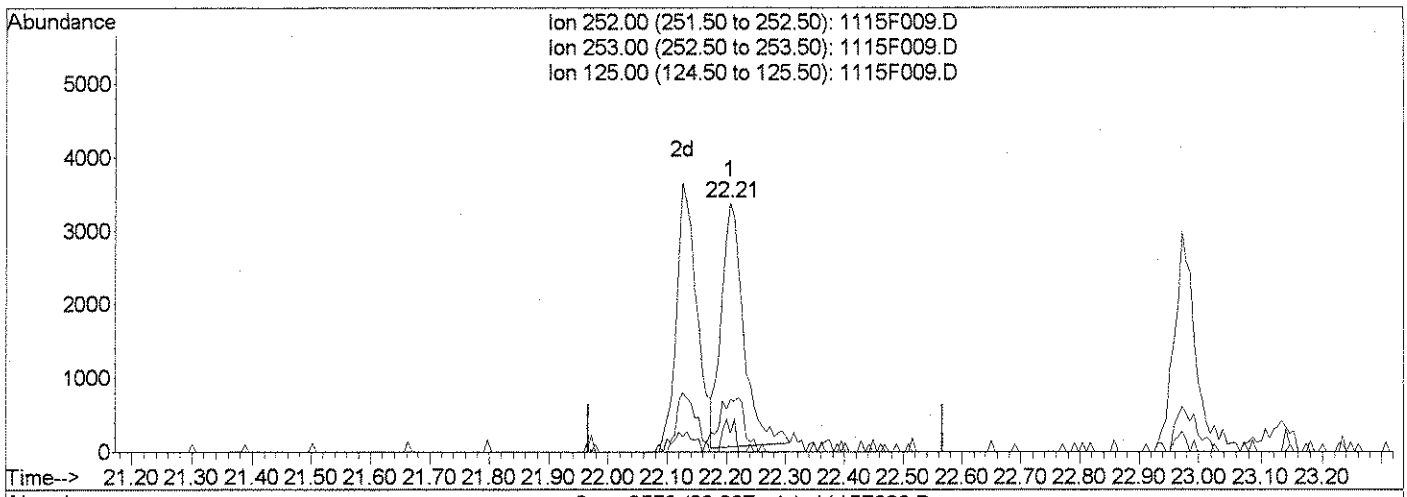
CH 11·17·10

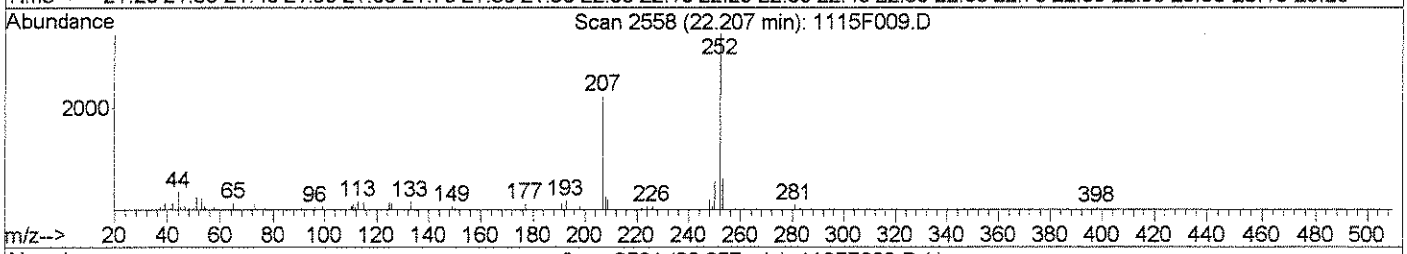
1115F009.D 111510_BNLL.M Tue Nov 16 08:34:32 2010

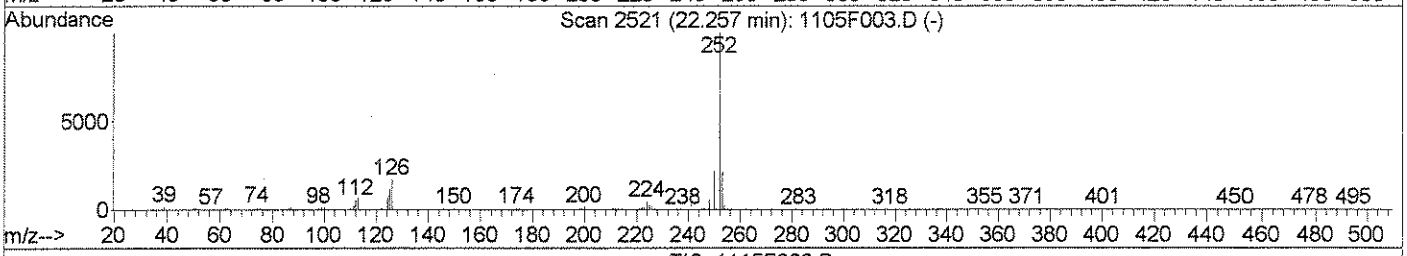
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:34 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F009.D

(82) Benzo(k)fluoranthene (T)

22.21min 39.88ng/ml

response 8673

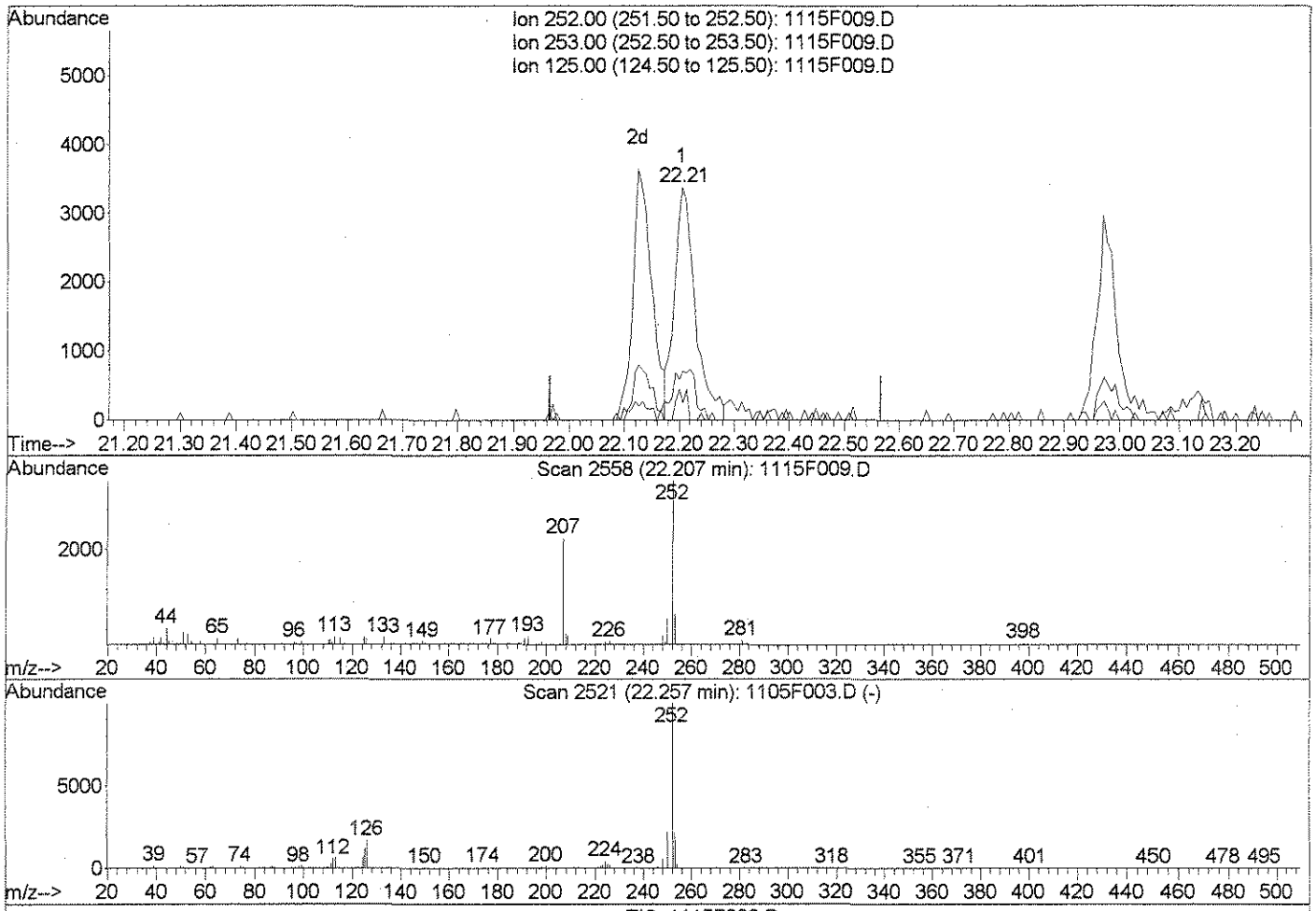
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.70
125.00	12.00	7.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F009.D
Acq On : 15 Nov 2010 4:32 pm
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:34 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(82) Benzo(k)fluoranthene (T)

22.21min 41.43ng/ml m

response 9010

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	20.93
125.00	12.00	7.36
0.00	0.00	0.00

BL

NOV 16 2010

CH 11·17·10

1115F009.D 111510_BNLL.M Tue Nov 16 08:34:53 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:57 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	64698	1000.00	ng/ml	-0.04
22) Naphthalene-d8	10.14	136	195214	1000.00	ng/ml	-0.03
36) Acenaphthene-d10	12.94	164	99564	1000.00	ng/ml	-0.03
60) Phenanthrene-d10	15.35	188	196100	1000.00	ng/ml	-0.02
70) Chrysene-d12	19.71	240	222328	1000.00	ng/ml	-0.03
79) Perylene-d12	23.13	264	196358	1000.00	ng/ml	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	6.67	112	5196	79.43	ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 110		Recovery = 2.12%#			
6) Phenol-d6	7.82	99	6956	87.61	ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 2.34%#			
20) Nitrobenzene-d5	9.06	82	8020	105.91	ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 4.24%#			
40) 2-Fluorobiphenyl	11.89	172	15905	113.64	ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 4.55%#			
61) 2,4,6-Tribromophenol	14.24	330	2674	84.18	ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 2.24%#			
73) Terphenyl-d14	18.01	244	16771	103.47	ng/ml	-0.03
Spiked Amount 2500.000	Range 54 - 158		Recovery = 4.14%#			

Target Compounds						Qvalue
5) Bis(2-chloroethyl) Ether	7.94	93	5208m	78.42	ng/ml	
7) Phenol	7.83	94	7268m	86.75	ng/ml	
8) Aniline	7.86	93	7845	89.32	ng/ml#	85
9) 2-Chlorophenol	7.99	128	6596	78.45	ng/ml	97
10) 1,3-Dichlorobenzene	8.19	146	8578	86.78	ng/ml	90
11) 1,4-Dichlorobenzene	8.30	146	8647	85.83	ng/ml	94
12) 1,2-Dichlorobenzene	8.50	146	8524	89.39	ng/ml	98
13) Benzyl Alcohol	8.51	108	3113	63.00	ng/ml#	75
14) Bis(2-chloroisopropyl) Eth	8.68	45	12467	75.76	ng/ml	93
15) 2-Methylphenol	8.66	107	5282	89.38	ng/ml	95
16) Acetophenone	8.86	105	7823	74.32	ng/ml	93
17) Hexachloroethane	8.98	117	2821	62.58	ng/ml	87
18) N-Nitrosodi-n-propylamine	8.88	70	5344	98.20	ng/ml	82
19) 4-Methylphenol	8.89	107	7004	79.18	ng/ml	92
21) Nitrobenzene	9.10	77	8035	107.06	ng/ml	92
23) Isophorone	9.47	82	12794	99.20	ng/ml	93
24) 2-Nitrophenol	9.58	139	3471	100.71	ng/ml	92
25) 2,4-Dimethylphenol	9.68	122	5804	118.88	ng/ml	95
26) Bis(2-chloroethoxy)methane	9.82	93	5935	87.15	ng/ml	94
27) 2,4-Dichlorophenol	9.95	162	5292	84.16	ng/ml	98

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

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:57 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29)	1,2,4-Trichlorobenzene	10.06	180	7526	105.54 ng/ml	90
30)	Naphthalene	10.17	128	19016	89.64 ng/ml	97
31)	4-Chloroaniline	10.31	127	7137	74.94 ng/ml	91
32)	Hexachlorobutadiene	10.39	225	6558	127.68 ng/ml	100
33)	4-Chloro-3-methylphenol	11.10	107	5618	86.44 ng/ml	79
34)	2-Methylnaphthalene	11.27	141	10330	75.95 ng/ml	89
35)	1-Methylnaphthalene	11.43	141	10343	76.70 ng/ml	94
38)	2,4,6-Trichlorophenol	11.76	196	4592	109.75 ng/ml	89
39)	2,4,5-Trichlorophenol	11.81	196	4331m	91.14 ng/ml	
41)	2-Chloronaphthalene	12.05	127	4952	102.97 ng/ml	90
42)	2-Nitroaniline	12.25	65	4014	99.45 ng/ml	97
43)	Acenaphthylene	12.71	152	18233	91.87 ng/ml	96
44)	Dimethyl Phthalate	12.58	163	15702	102.81 ng/ml	96
45)	2,6-Dinitrotoluene	12.66	165	2974	94.64 ng/ml	70
46)	Acenaphthene	13.00	154	10849	89.79 ng/ml	95
47)	3-Nitroaniline	12.92	138	2791	76.34 ng/ml	78
49)	Dibenzofuran	13.28	168	17443	91.84 ng/ml	83
50)	4-Nitrophenol	13.27	109	1782	70.10 ng/ml#	1
51)	2,4-Dinitrotoluene	13.31	165	4024	87.51 ng/ml	90
52)	2,3,4,6-Tetrachlorophenol	13.51	232	3958	93.19 ng/ml	93
53)	Fluorene	13.84	166	12722	87.09 ng/ml	95
54)	4-Chlorophenyl Phenyl Ethe	13.88	204	8048	104.19 ng/ml	87
55)	Diethyl Phthalate	13.74	149	17156	101.01 ng/ml	98
56)	4-Nitroaniline	13.91	138	2596	71.46 ng/ml	80
58)	N-Nitrosodiphenylamine	14.08	169	8384	80.62 ng/ml	93
59)	Azobenzene	14.13	77	14994	96.06 ng/ml	93
62)	4-Bromophenyl Phenyl Ether	14.66	248	5144	92.57 ng/ml	92
63)	Hexachlorobenzene	14.72	284	5943	93.80 ng/ml	97
65)	Phenanthrene	15.39	178	18602	76.40 ng/ml	97
66)	Anthracene	15.47	178	19091	75.32 ng/ml	96
67)	Carbazole	15.76	167	16258	74.02 ng/ml	98
68)	Di-n-butyl Phthalate	16.43	149	23437	71.99 ng/ml	98
69)	Fluoranthene	17.32	202	21908	79.68 ng/ml	88
71)	Benzidine	17.60	184	8453	87.58 ng/ml	98
72)	Pyrene	17.68	202	22174	91.83 ng/ml	97
74)	Butyl Benzyl Phthalate	18.86	149	9324	71.73 ng/ml	79
75)	3,3'-Dichlorobenzidine	19.70	252	7697	80.77 ng/ml	96
76)	Benz(a)anthracene	19.69	228	20708m	87.89 ng/ml	
77)	Chrysene	19.75	228	21280m	93.28 ng/ml	
78)	Bis(2-ethylhexyl) Phthalat	19.93	149	12342	68.27 ng/ml	91
80)	Di-n-octyl Phthalate	21.43	149	17824	64.87 ng/ml	100

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:57 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
81) Benzo(b)fluoranthene	22.13	252	17386	80.00 ng/ml	95
82) Benzo(k)fluoranthene	22.21	252	20820m	92.24 ng/ml	
83) Benzo(a)pyrene	22.97	252	14440	73.95 ng/ml	96
84) Indeno(1,2,3-cd)pyrene	25.52	276	13888	81.03 ng/ml	88
85) Dibenz(a,h)anthracene	25.60	278	14017	78.26 ng/ml	94
86) Benzo(g,h,i)perylene	26.01	276	16318	85.57 ng/ml	82

LB
NOV 16 2010
CH 11.17.10

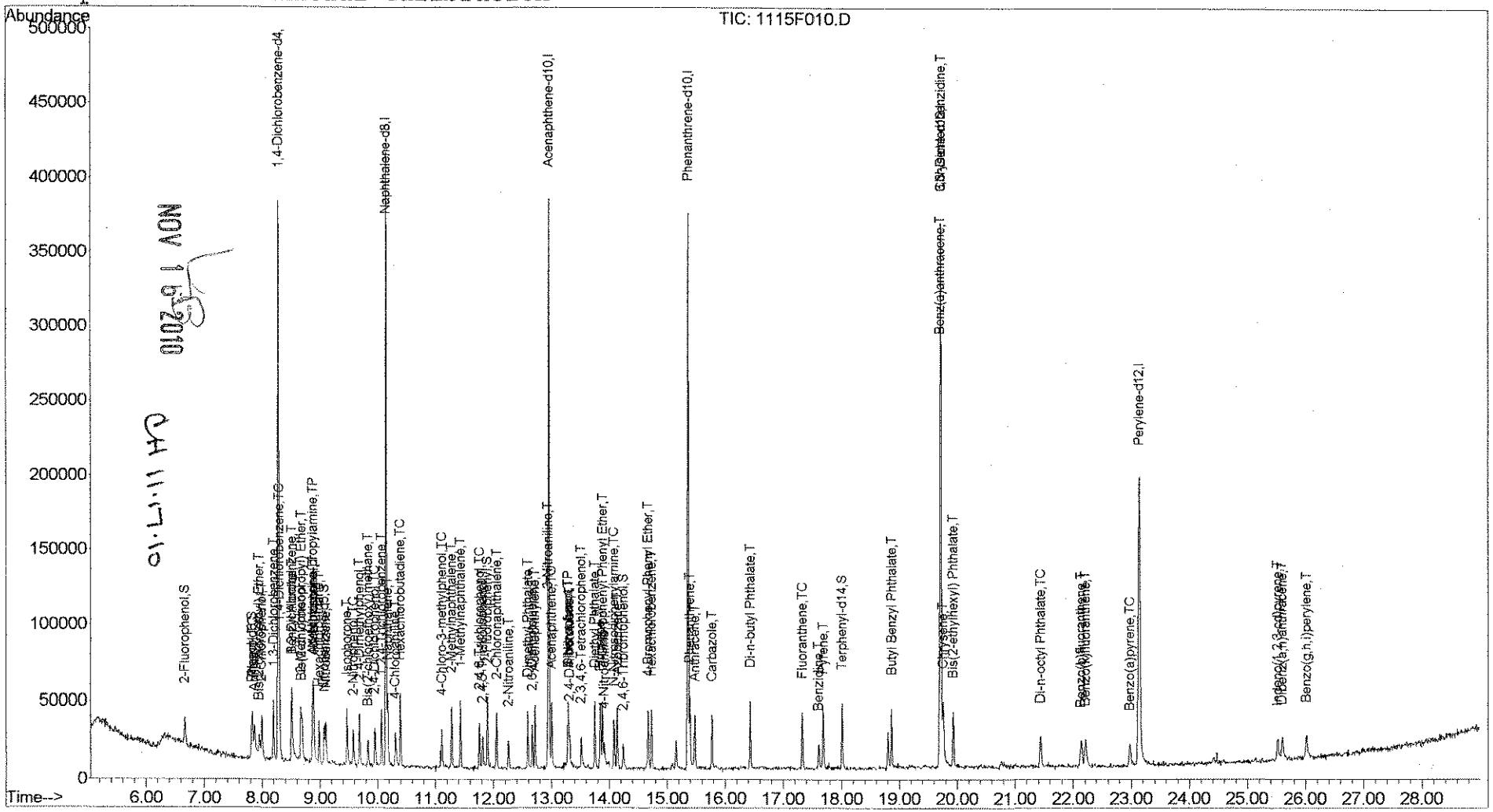
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:37 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



NOV 16 2010

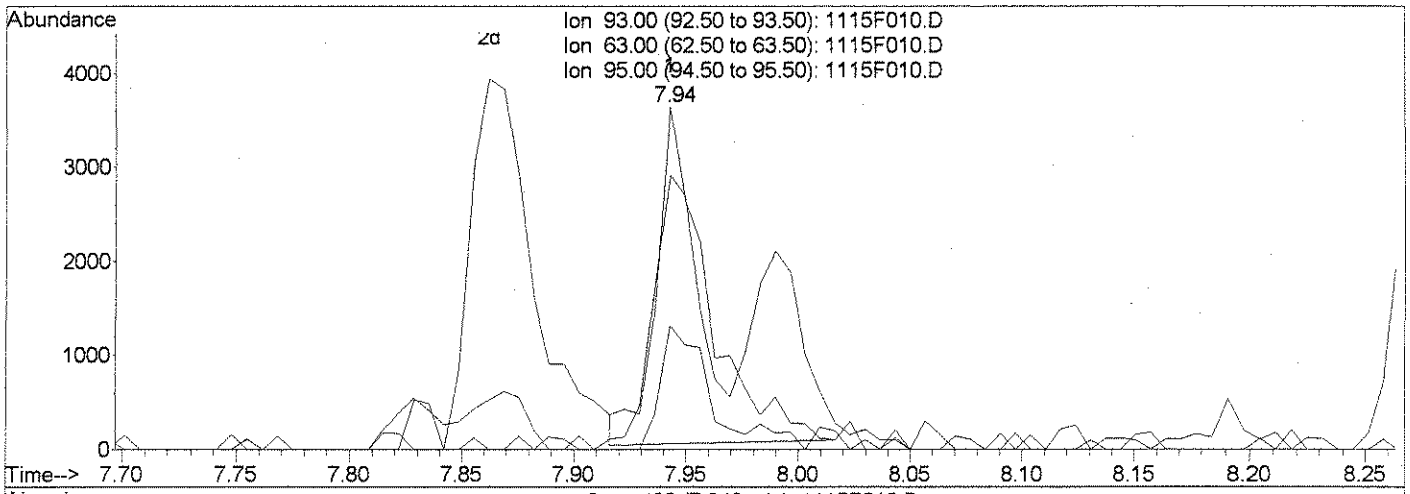
2095

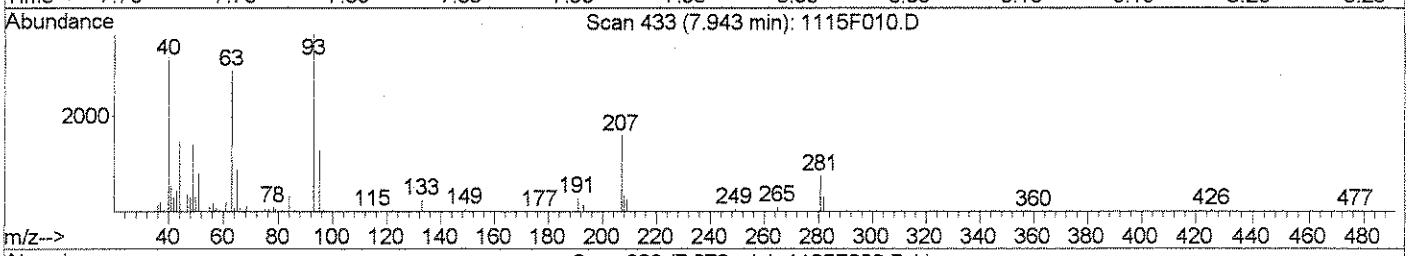
Quantitation Report (Qedit)

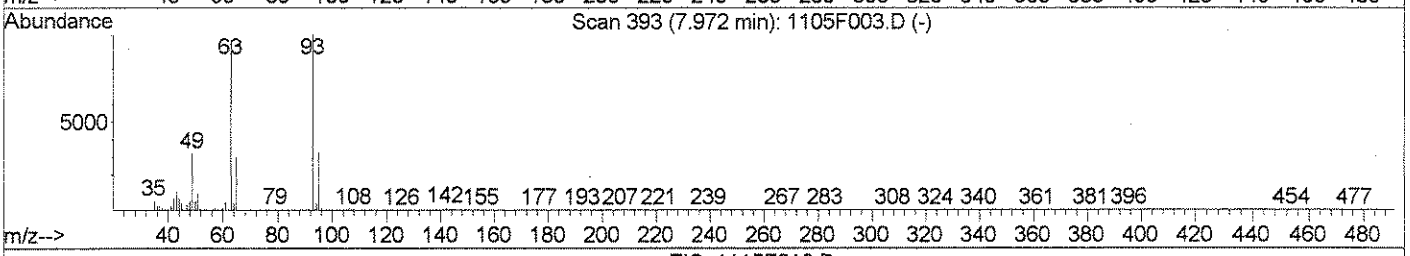
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:35 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(5) Bis(2-chloroethyl) Ether (T)

7.94min 84.72ng/ml

response 5627

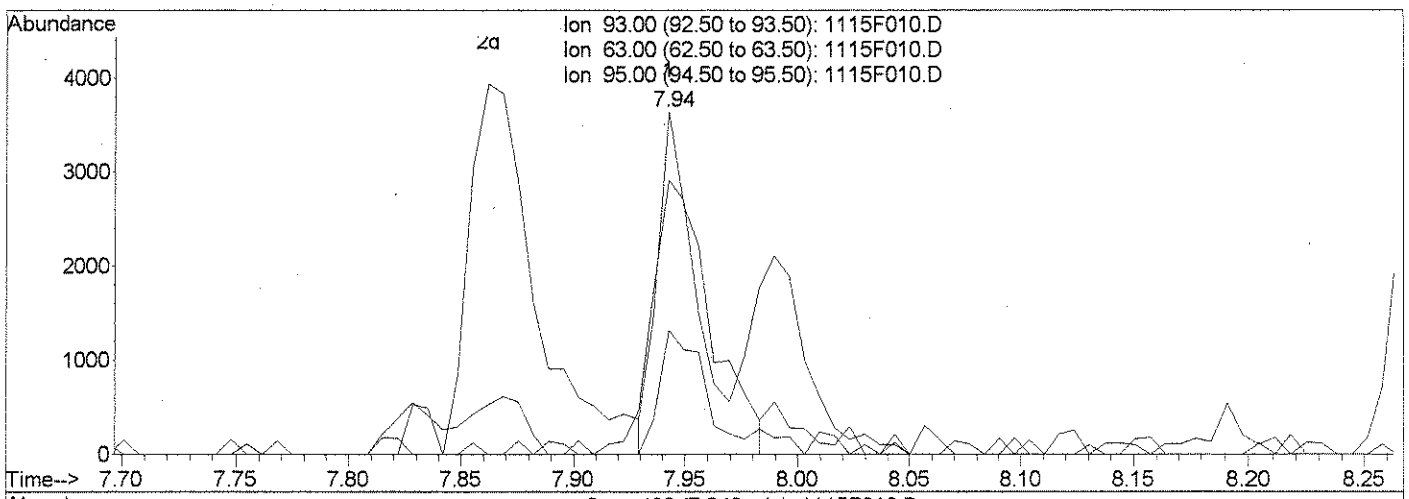
Ion	Exp%	Act%
93.00	100	100
63.00	94.80	79.20
95.00	33.70	37.20
0.00	0.00	0.00

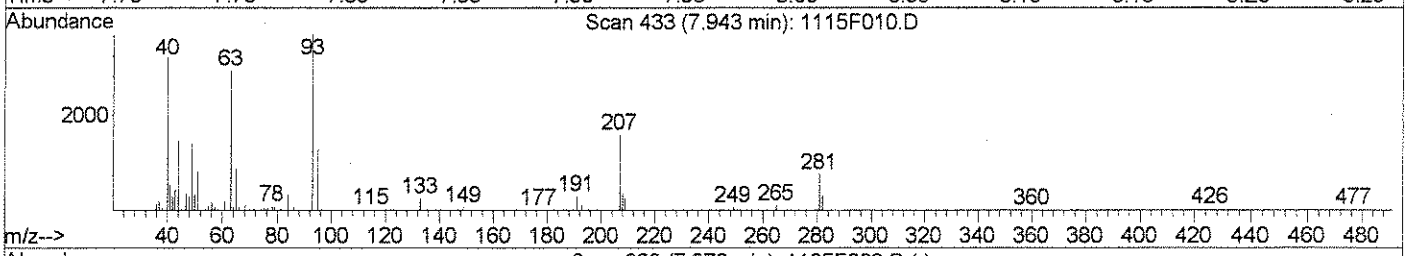
Quantitation Report (Qedit)

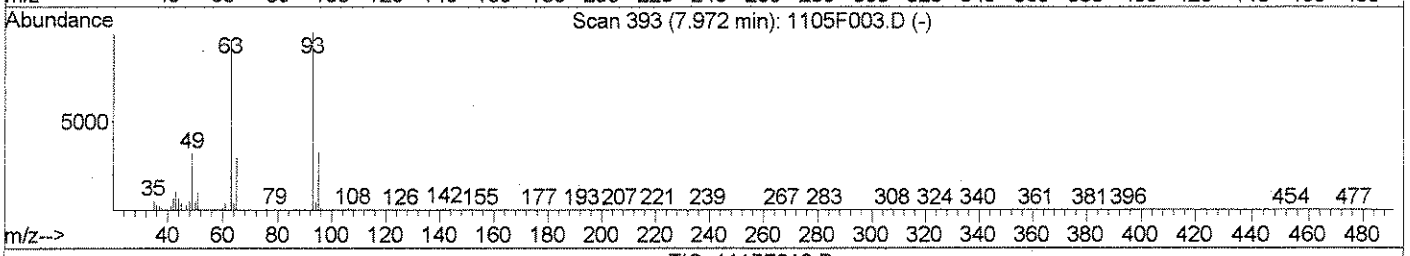
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:35 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(5) Bis(2-chloroethyl) Ether (T)

7.94min 78.42ng/ml m

response 5208

Ion	Exp%	Act%
93.00	100	100
63.00	94.80	80.02
95.00	33.70	36.16
0.00	0.00	0.00

01

NOV 16 2010

CH 11.17.10

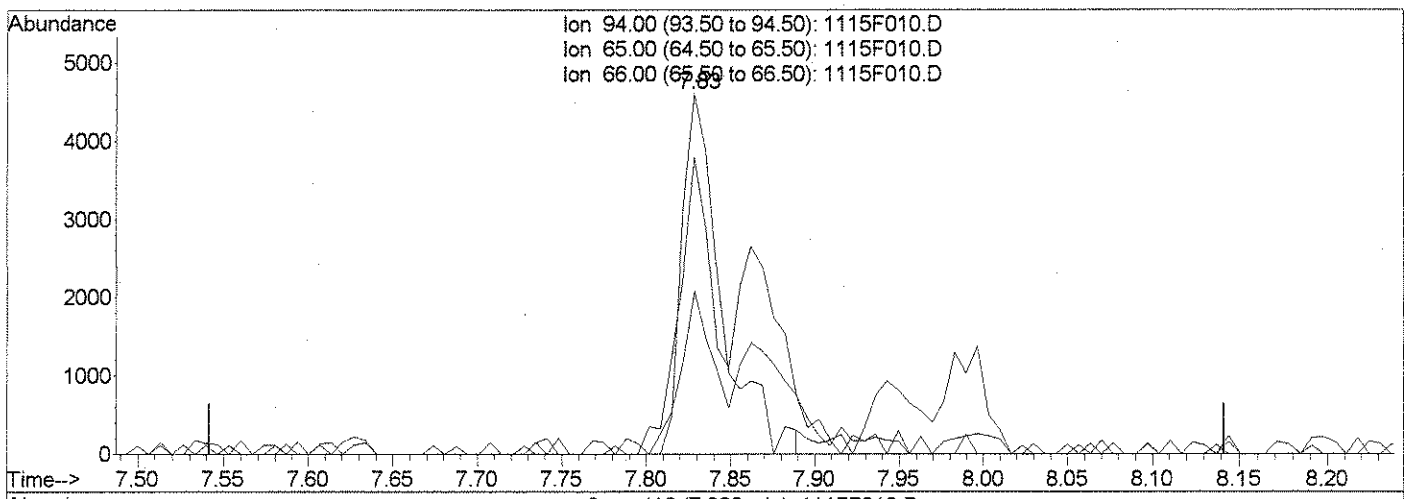
1115F010.D 111510_BNLL.M Tue Nov 16 08:35:26 2010

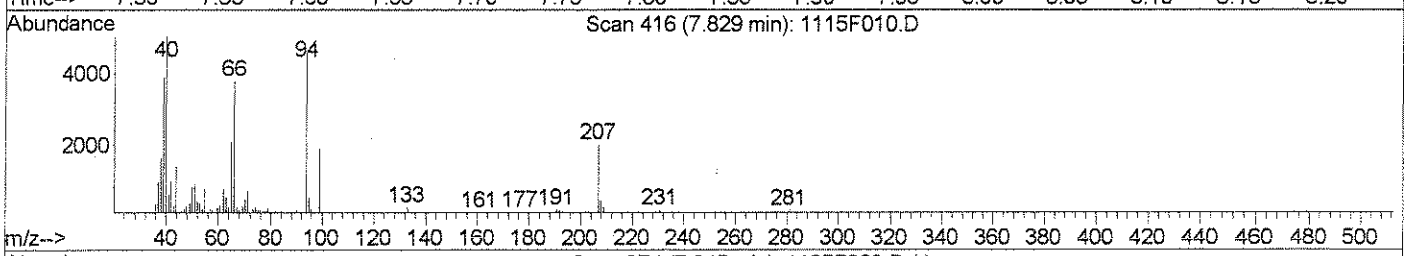
Quantitation Report (Qedit)

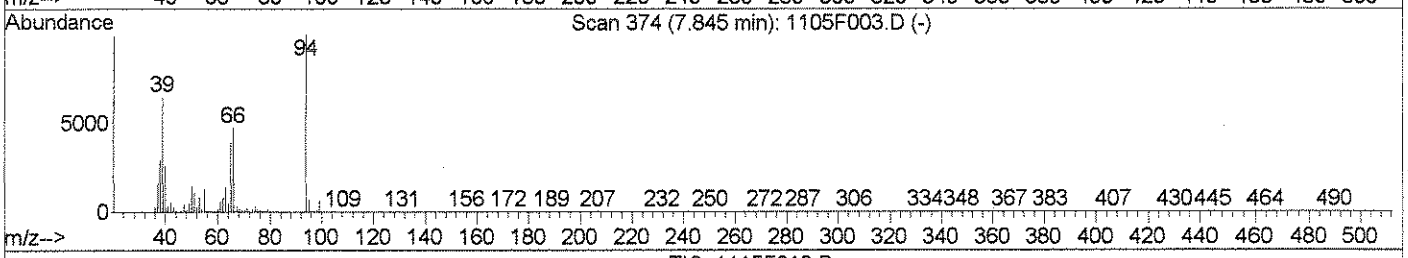
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:35 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(7) Phenol (TC)

7.83min 89.86ng/ml

response 7529

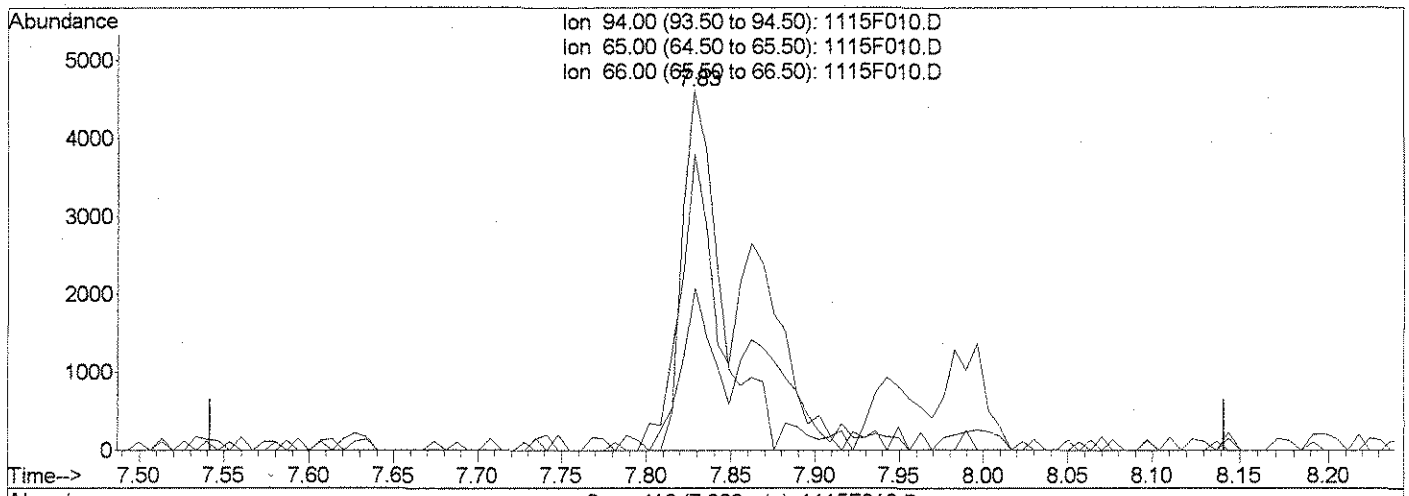
Ion	Exp%	Act%
94.00	100	100
65.00	40.20	45.22
66.00	49.00	74.89
0.00	0.00	0.00

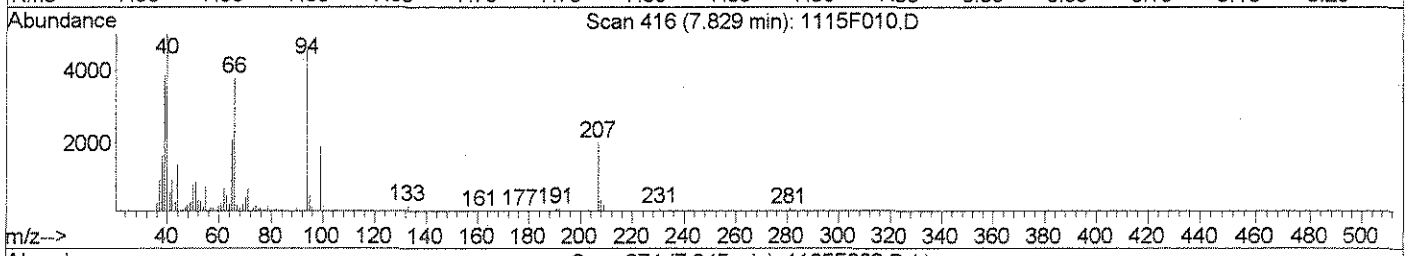
Quantitation Report (Qedit)

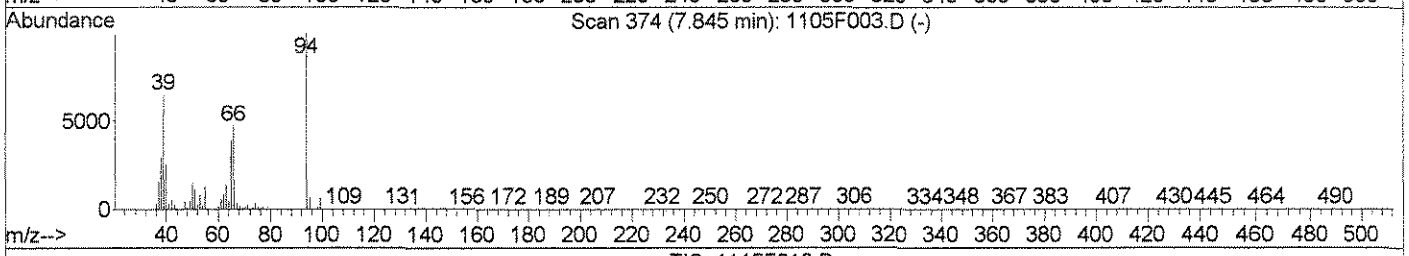
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:35 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(7) Phenol (TC)

7.83min 86.75ng/ml m

response 7268

Ion	Exp%	Act%
94.00	100	100
65.00	40.20	45.22
66.00	49.00	82.38#
0.00	0.00	0.00

D1

NOV 16 2010

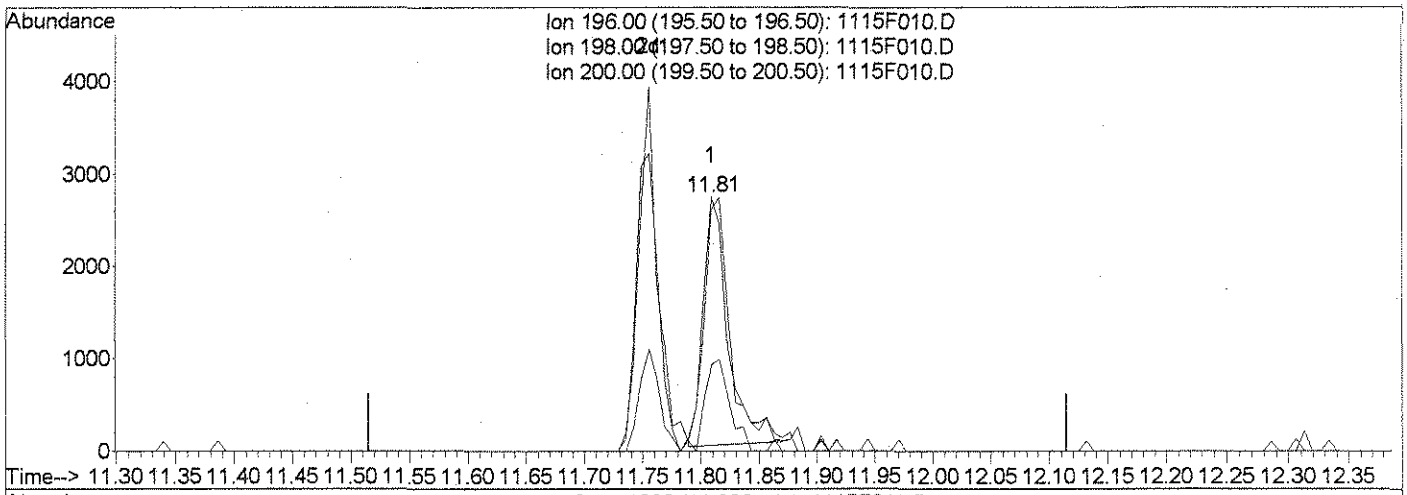
CH 11-17-10

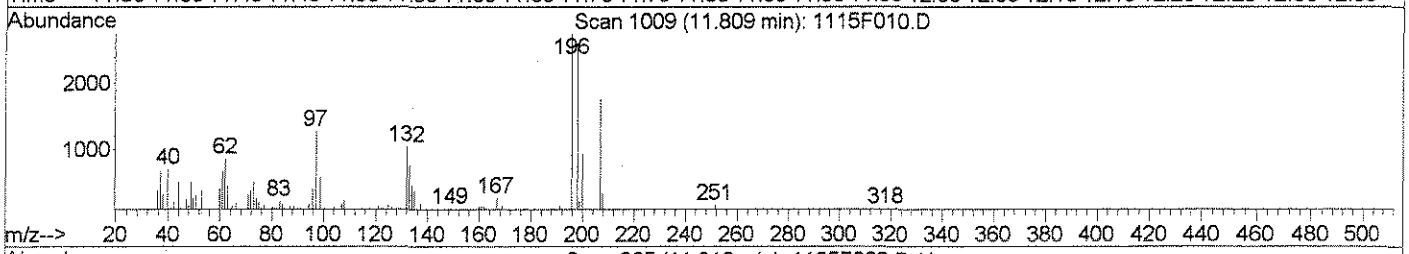
1115F010.D 111510_BNLL.M Tue Nov 16 08:35:36 2010

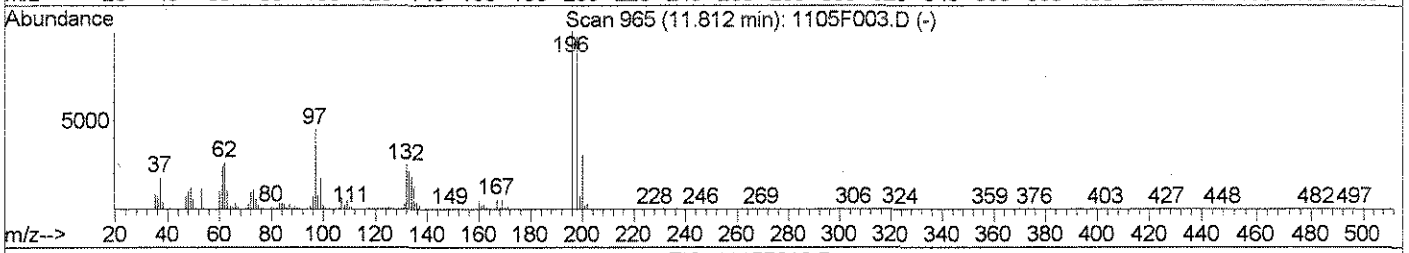
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:35 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(39) 2,4,5-Trichlorophenol (T)

11.81min 84.41ng/ml

response 4011

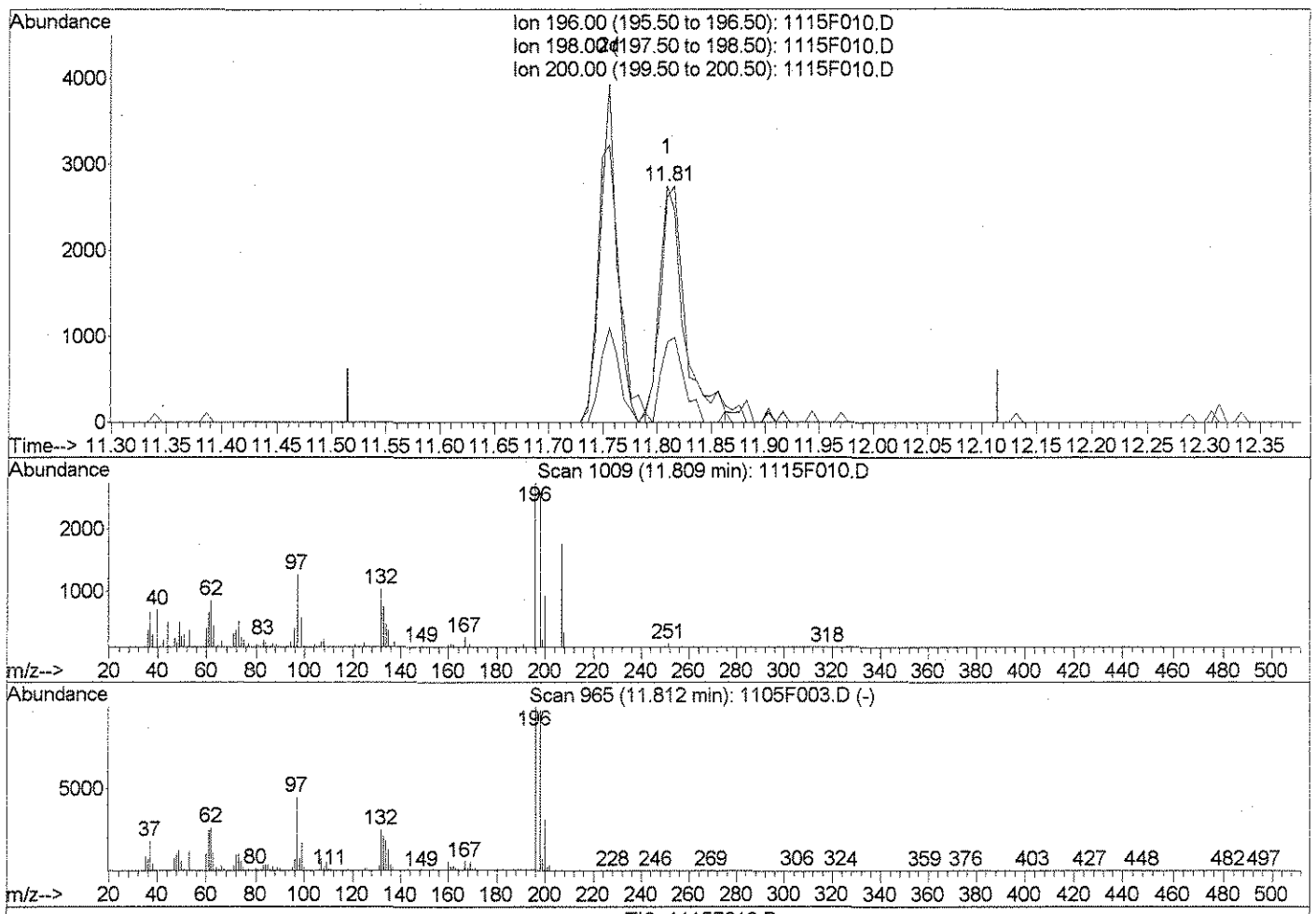
Ion	Exp%	Act%
196.00	100	100
198.00	98.80	93.26
200.00	30.30	35.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(39) 2,4,5-Trichlorophenol (T)

11.81min 91.14ng/ml m

response 4331

Ion	Exp%	Act%
196.00	100	100
198.00	98.80	95.03
200.00	30.30	34.00
0.00	0.00	0.00

BL

LB
NOV 16 2010

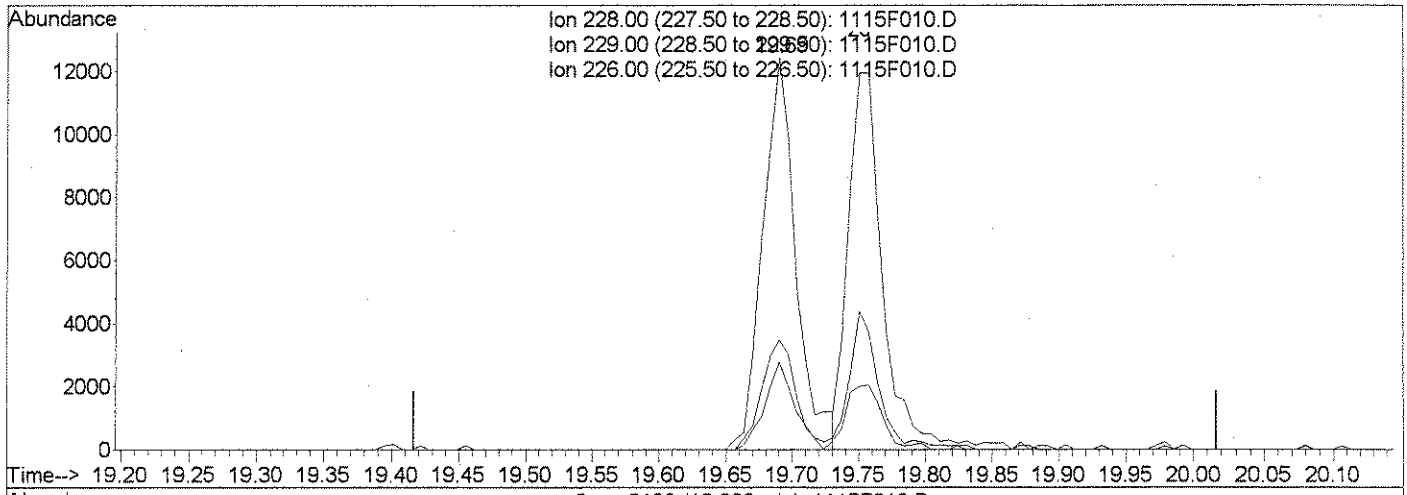
CH 11.17.10

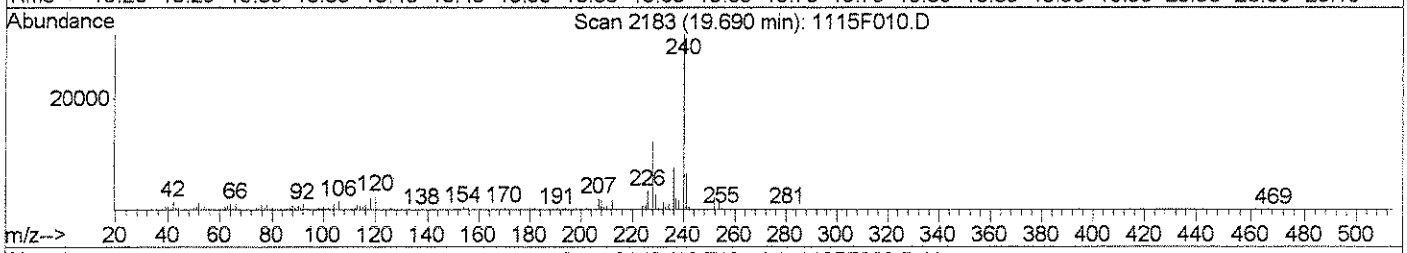
1115F010.D 111510_BNLL.M Tue Nov 16 08:36:04 2010

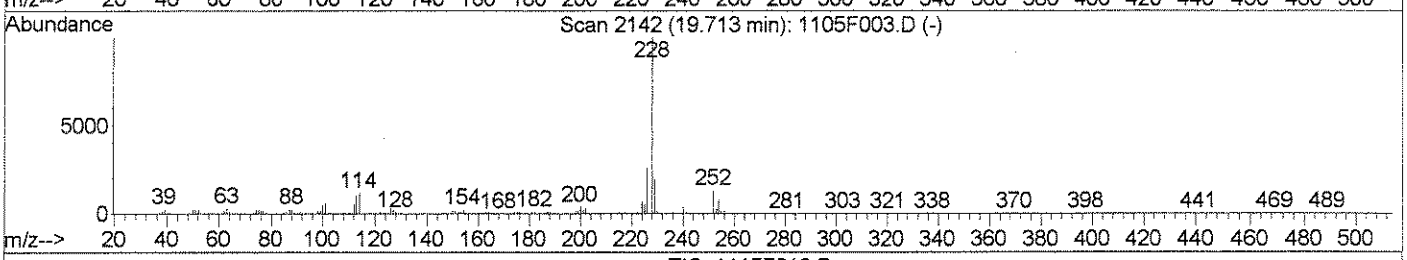
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(76) Benz(a)anthracene (T)

19.69min 92.02ng/ml

response 21679

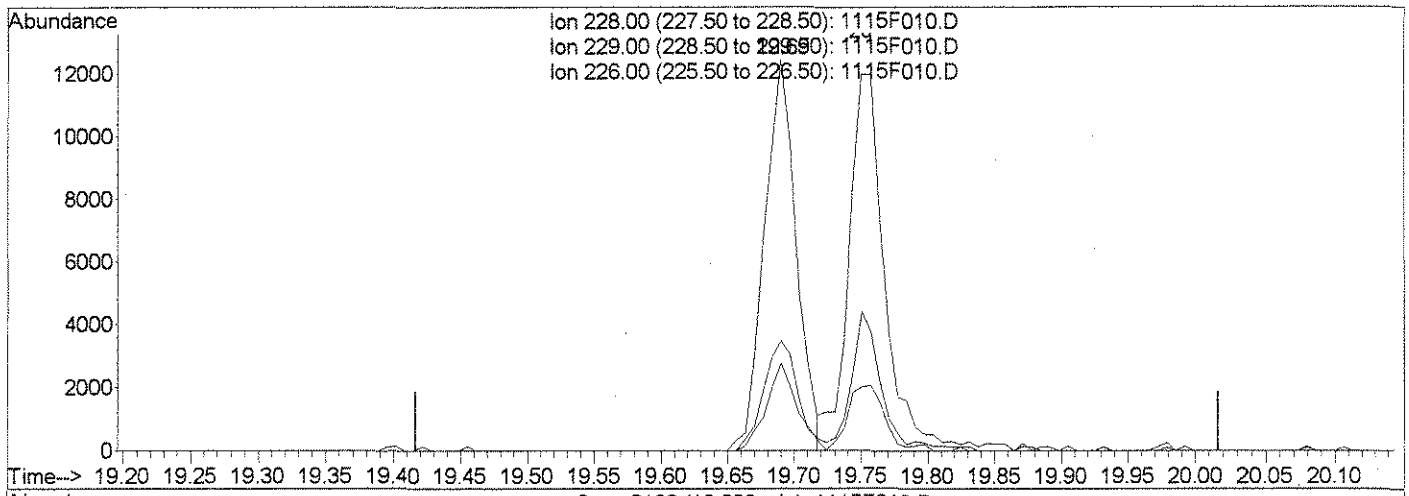
Ion	Exp%	Act%
228.00	100	100
229.00	19.30	22.22
226.00	25.90	27.96
0.00	0.00	0.00

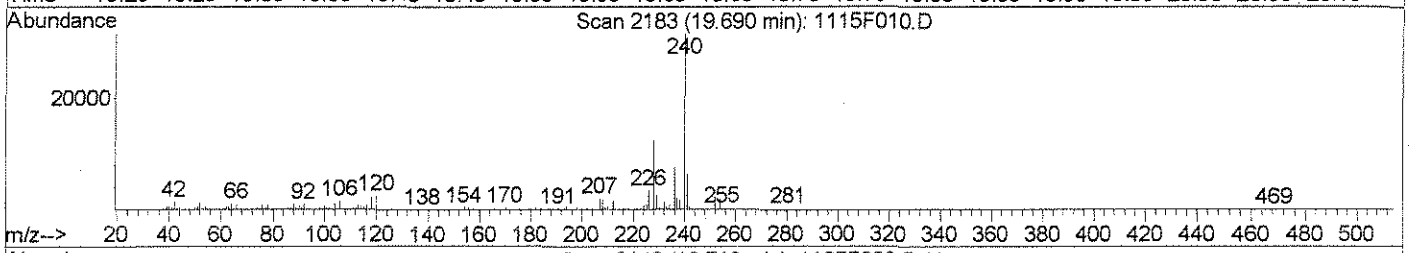
Quantitation Report (Qedit)

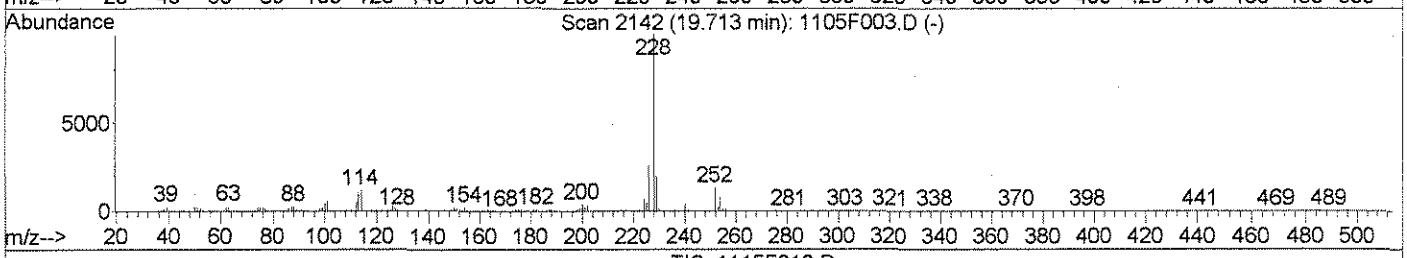
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(76) Benz(a)anthracene (T)

19.69min 87.89ng/ml m

response 20708

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	22.22
226.00	25.90	27.96
0.00	0.00	0.00

01

LB
NOV 16 2010

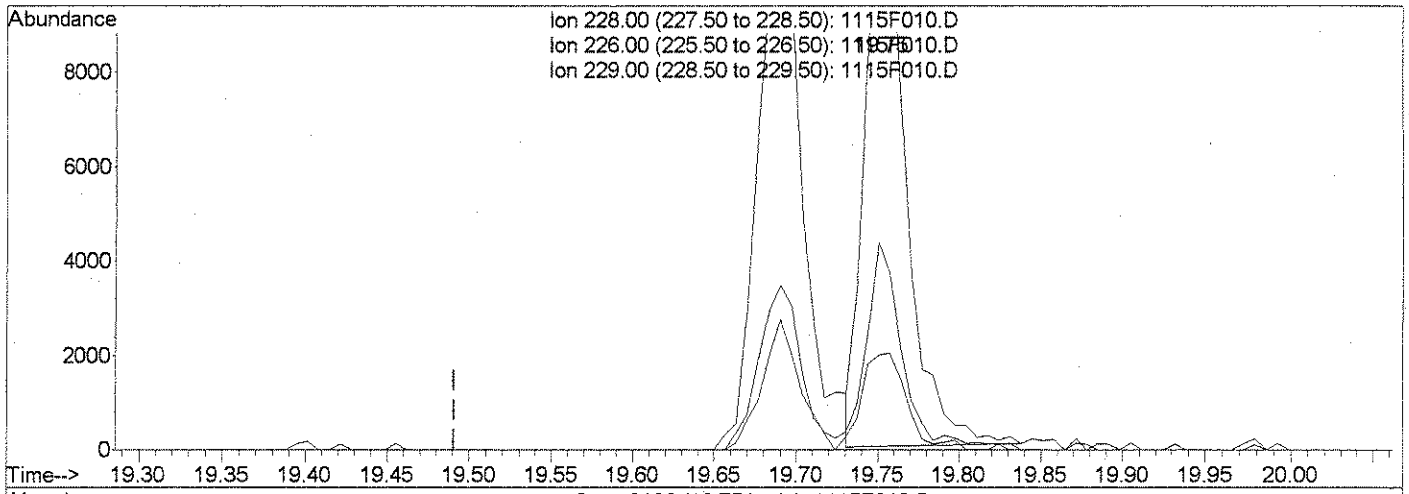
CH 11.17.10

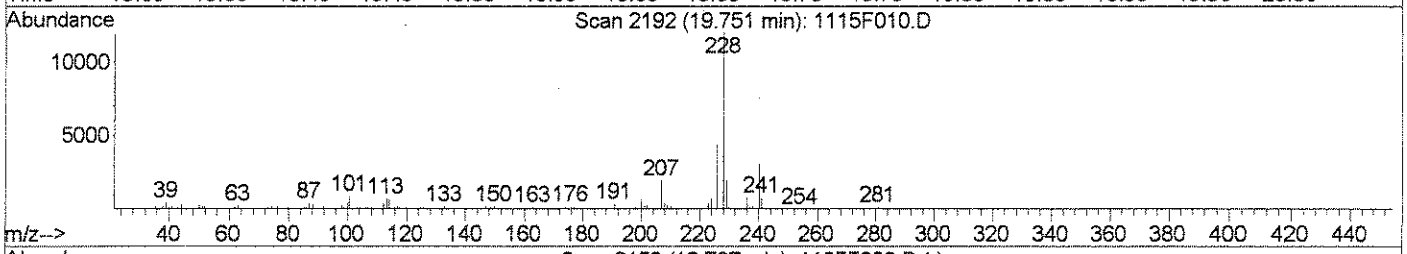
1115F010.D 111510_BNLL.M Tue Nov 16 08:36:39 2010

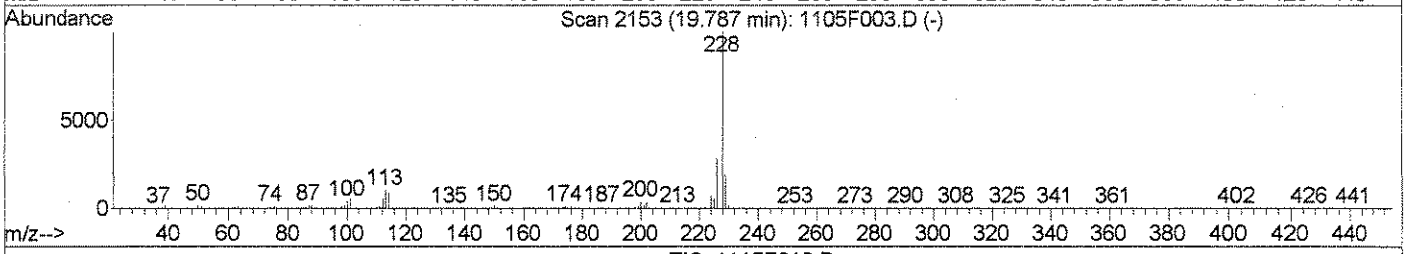
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(77) Chrysene (T)

19.75min 91.35ng/ml

response 20841

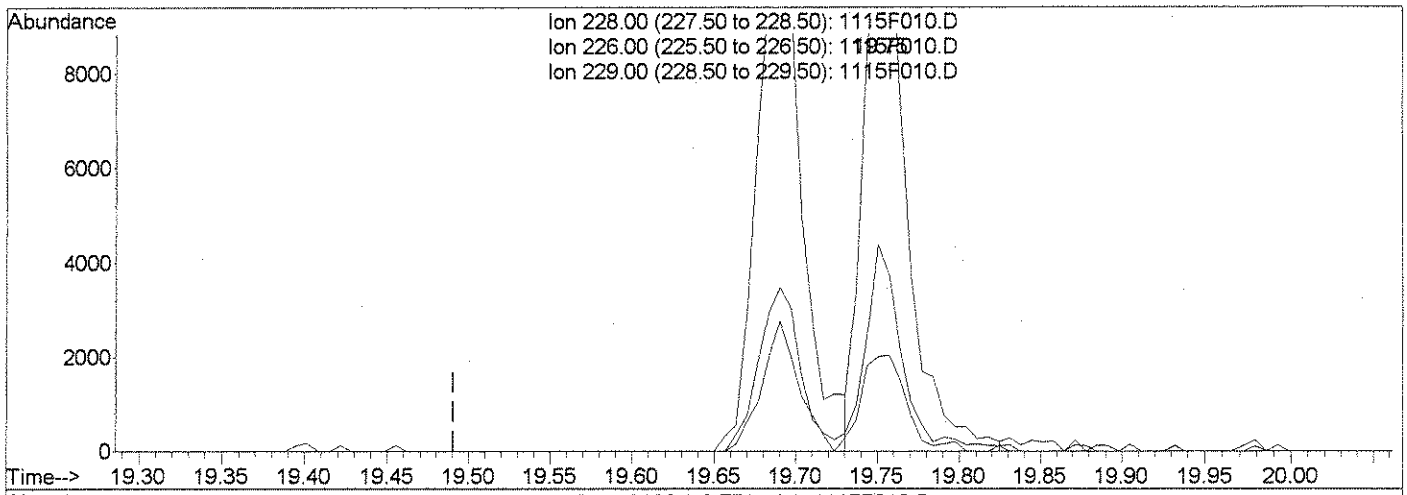
Ion	Exp%	Act%
228.00	100	100
226.00	28.60	37.09
229.00	19.60	16.92
0.00	0.00	0.00

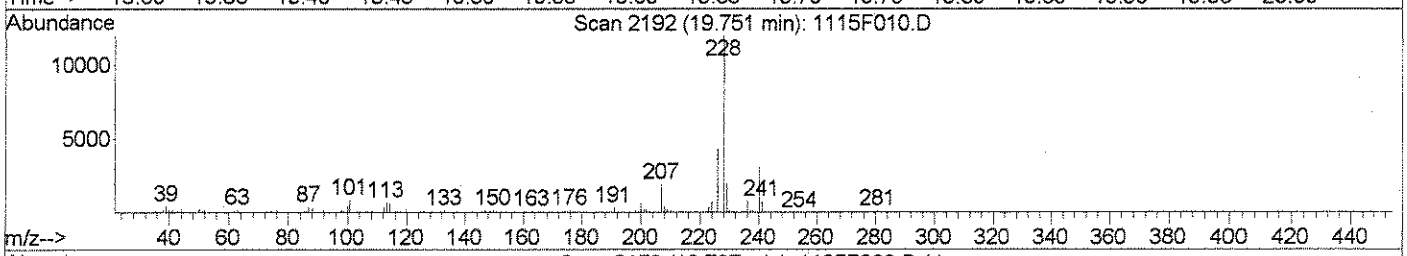
Quantitation Report (Qedit)

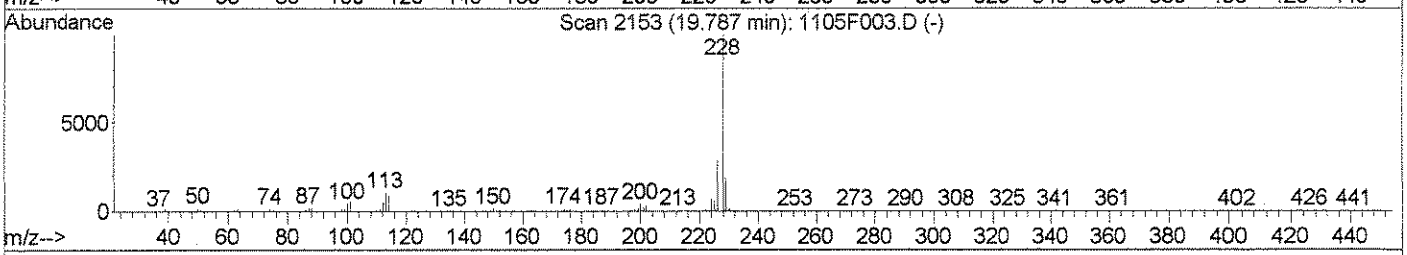
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(77) Chrysene (T)

19.75min 93.28ng/ml m

response 21280

Ion	Exp%	Act%
228.00	100	100
226.00	28.60	36.69
229.00	19.60	16.73
0.00	0.00	0.00

BL

NOV 16 2010

CH 11.17.10

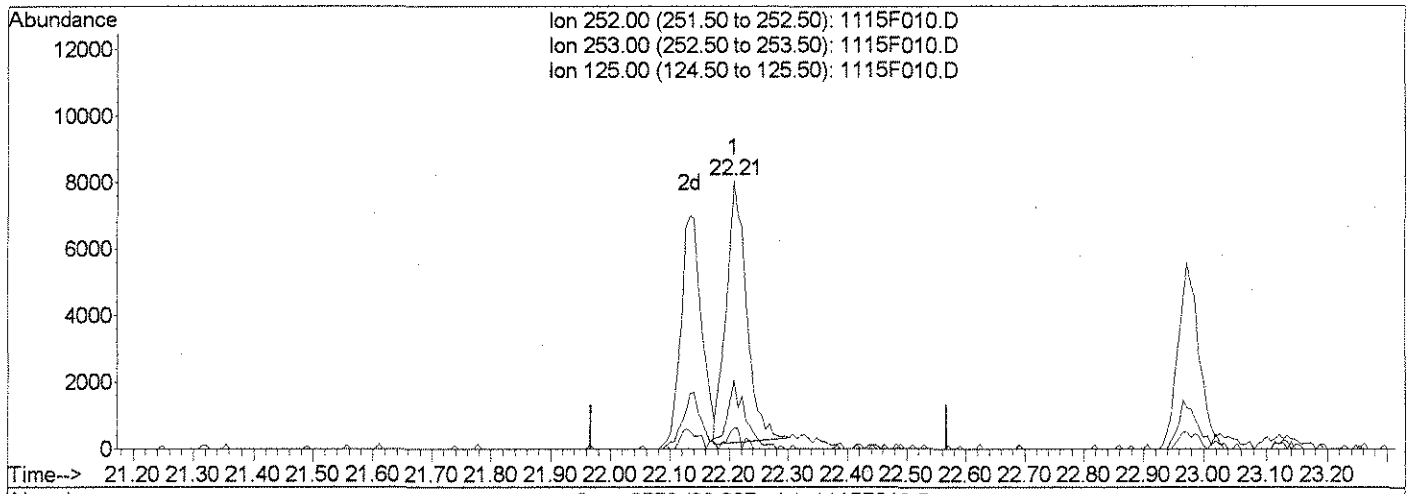
1115F010.D 111510_BNLL.M Tue Nov 16 08:36:57 2010

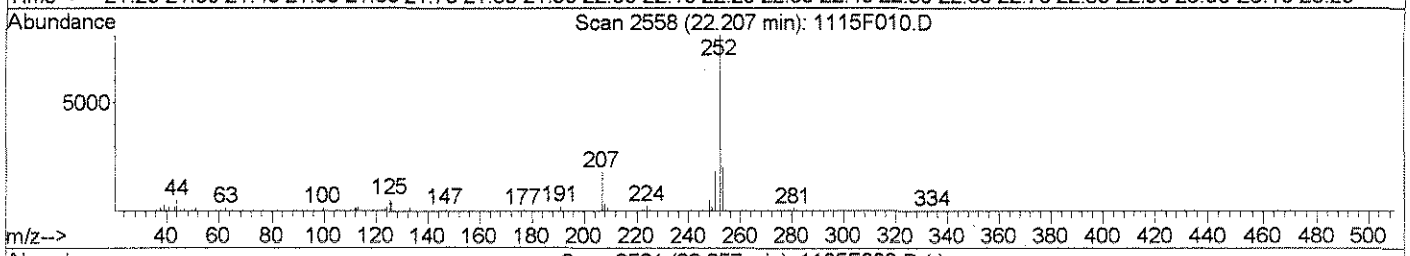
Quantitation Report (Qedit)

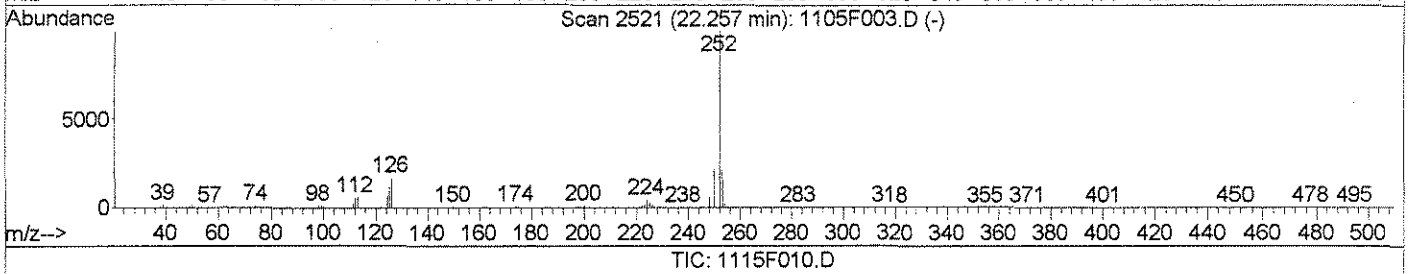
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(82) Benzo(k)fluoranthene (T)

22.21min 83.54ng/ml

response 18857

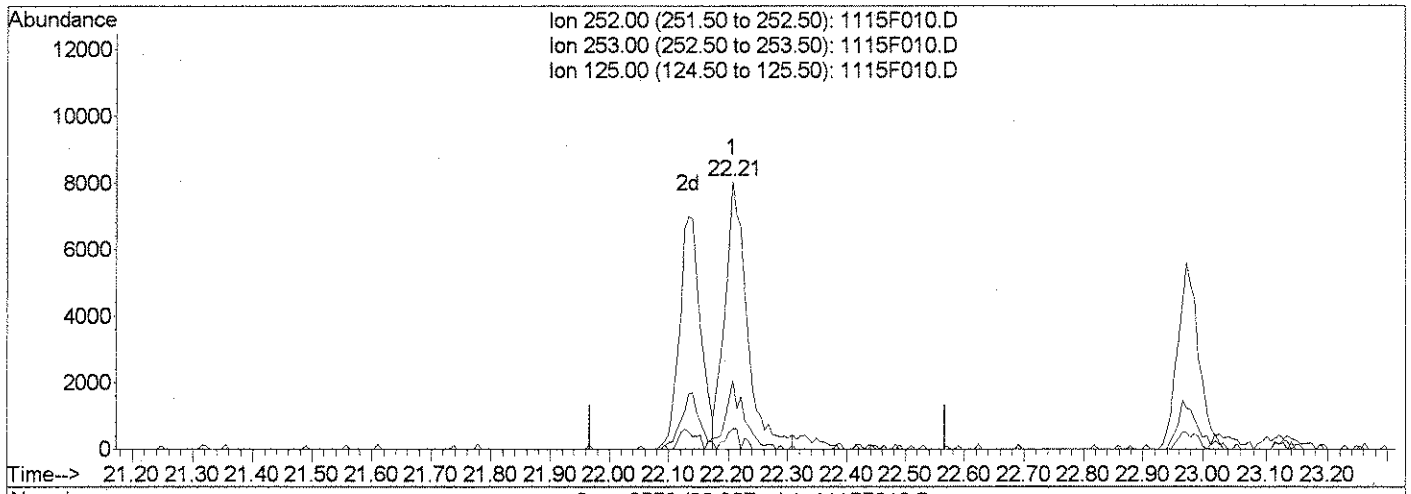
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	26.68
125.00	12.00	7.89
0.00	0.00	0.00

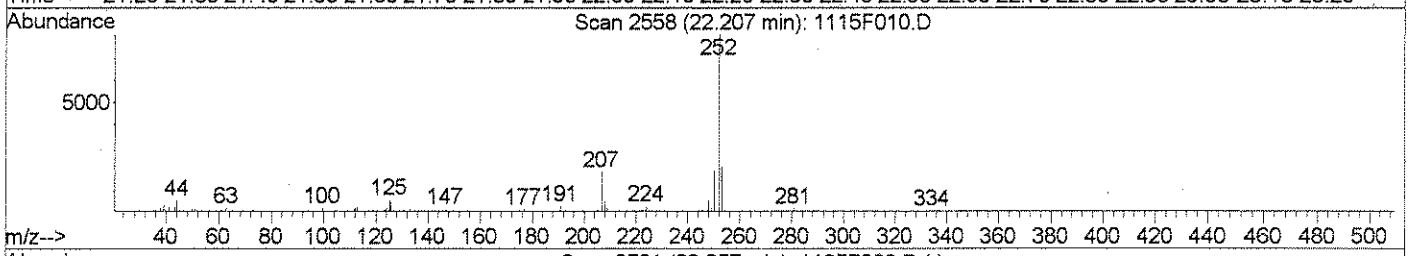
Quantitation Report (Qedit)

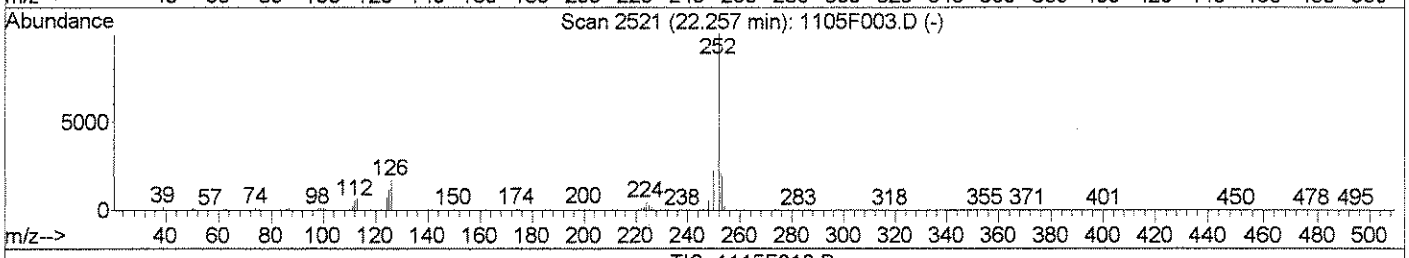
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:37 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(82) Benzo(k)fluoranthene (T)

22.21min 92.24ng/ml m

response 20820

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	25.61
125.00	12.00	7.58
0.00	0.00	0.00

BL

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	62257	1000.00	ng/ml	-0.04
22) Naphthalene-d8	10.14	136	187342	1000.00	ng/ml	-0.03
36) Acenaphthene-d10	12.94	164	96972	1000.00	ng/ml	-0.03
60) Phenanthrene-d10	15.35	188	188726	1000.00	ng/ml	-0.02
70) Chrysene-d12	19.71	240	217428	1000.00	ng/ml	-0.03
79) Perylene-d12	23.13	264	194918	1000.00	ng/ml	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	6.66	112	11158	177.25	ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 110		Recovery = 4.73%#			
6) Phenol-d6	7.81	99	13092	171.36	ng/ml	-0.01
Spiked Amount 3750.000	Range 43 - 128		Recovery = 4.57%#			
20) Nitrobenzene-d5	9.06	82	15005	205.92	ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 8.24%#			
40) 2-Fluorobiphenyl	11.89	172	31269	229.39	ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 9.18%#			
61) 2,4,6-Tribromophenol	14.23	330	5958	194.89	ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 157		Recovery = 5.20%#			
73) Terphenyl-d14	18.01	244	33191	209.40	ng/ml	-0.03
Spiked Amount 2500.000	Range 54 - 158		Recovery = 8.38%#			

Target Compounds						Qvalue
5) Bis(2-chloroethyl) Ether	7.94	93	12630	197.62	ng/ml	96
7) Phenol	7.83	94	15634	193.92	ng/ml	76
8) Aniline	7.86	93	14725	174.22	ng/ml#	75
9) 2-Chlorophenol	7.99	128	13420	165.86	ng/ml	93
10) 1,3-Dichlorobenzene	8.19	146	17585	184.87	ng/ml	89
11) 1,4-Dichlorobenzene	8.30	146	18427	190.09	ng/ml	96
12) 1,2-Dichlorobenzene	8.51	146	16843	183.55	ng/ml	91
13) Benzyl Alcohol	8.50	108	6302	132.55	ng/ml	83
14) Bis(2-chloroisopropyl) Eth	8.69	45	24818	156.72	ng/ml	87
15) 2-Methylphenol	8.66	107	11020	193.80	ng/ml	89
16) Acetophenone	8.86	105	16913	166.98	ng/ml	97
17) Hexachloroethane	8.98	117	6127	141.26	ng/ml	74
18) N-Nitrosodi-n-propylamine	8.87	70	9658	184.42	ng/ml	87
19) 4-Methylphenol	8.88	107	13142	154.40	ng/ml	94
21) Nitrobenzene	9.09	77	14948	206.99	ng/ml	81
23) Isophorone	9.47	82	23535	190.15	ng/ml	96
24) 2-Nitrophenol	9.57	139	6951	210.16	ng/ml	89
25) 2,4-Dimethylphenol	9.68	122	10183	217.34	ng/ml#	80
26) Bis(2-chloroethoxy)methane	9.82	93	12528	191.68	ng/ml	90
27) 2,4-Dichlorophenol	9.94	162	10690	177.15	ng/ml	96

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

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) 1,2,4-Trichlorobenzene	10.06	180	15902	232.37 ng/ml	98
30) Naphthalene	10.17	128	36393	178.77 ng/ml	97
31) 4-Chloroaniline	10.30	127	15746	172.28 ng/ml	94
32) Hexachlorobutadiene	10.39	225	11778	238.95 ng/ml	95
33) 4-Chloro-3-methylphenol	11.10	107	11581	185.67 ng/ml	77
34) 2-Methylnaphthalene	11.27	141	20843	159.69 ng/ml	91
35) 1-Methylnaphthalene	11.43	141	21079	162.88 ng/ml	93
38) 2,4,6-Trichlorophenol	11.76	196	9766	239.65 ng/ml	94
39) 2,4,5-Trichlorophenol	11.81	196	9000m	194.46 ng/ml	
41) 2-Chloronaphthalene	12.05	127	10952	233.83 ng/ml	90
42) 2-Nitroaniline	12.25	65	8500	215.94 ng/ml#	73
43) Acenaphthylene	12.71	152	36598	189.34 ng/ml	97
44) Dimethyl Phthalate	12.59	163	28781	193.48 ng/ml	98
45) 2,6-Dinitrotoluene	12.66	165	6275	204.41 ng/ml	95
46) Acenaphthene	13.00	154	20006	170.00 ng/ml	93
47) 3-Nitroaniline	12.92	138	5938	166.50 ng/ml	93
49) Dibenzofuran	13.28	168	33692	182.14 ng/ml	90
50) 4-Nitrophenol	13.27	109	3817	154.16 ng/ml#	1
51) 2,4-Dinitrotoluene	13.31	165	8612	191.98 ng/ml	86
52) 2,3,4,6-Tetrachlorophenol	13.51	232	8069	194.70 ng/ml	95
53) Fluorene	13.84	166	26504	186.29 ng/ml	95
54) 4-Chlorophenyl Phenyl Ethe	13.88	204	16207	215.42 ng/ml	95
55) Diethyl Phthalate	13.74	149	31103	188.01 ng/ml	99
56) 4-Nitroaniline	13.90	138	5218	147.48 ng/ml#	69
57) 2-Methyl-4,6-dinitrophenol	13.97	198	2170	91.54 ng/ml	72
58) N-Nitrosodiphenylamine	14.08	169	18234	180.01 ng/ml	92
59) Azobenzene	14.13	77	28754	189.14 ng/ml	89
62) 4-Bromophenyl Phenyl Ether	14.66	248	10860	203.06 ng/ml	88
63) Hexachlorobenzene	14.72	284	12355	202.63 ng/ml	96
65) Phenanthrene	15.39	178	37663	160.73 ng/ml	97
66) Anthracene	15.47	178	37151	152.31 ng/ml	99
67) Carbazole	15.76	167	32487	153.68 ng/ml	97
68) Di-n-butyl Phthalate	16.43	149	43861	139.99 ng/ml	99
69) Fluoranthene	17.32	202	44534	168.29 ng/ml	96
71) Benzidine	17.60	184	17393	184.28 ng/ml	96
72) Pyrene	17.68	202	45241	191.58 ng/ml	97
74) Butyl Benzyl Phthalate	18.86	149	19633	154.44 ng/ml	79
75) 3,3'-Dichlorobenzidine	19.70	252	16268	174.56 ng/ml	98
76) Benz(a)anthracene	19.69	228	42770	185.63 ng/ml	97
77) Chrysene	19.76	228	45029	201.82 ng/ml	99
78) Bis(2-ethylhexyl) Phthalat	19.93	149	25416	143.75 ng/ml	92

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

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
80)	Di-n-octyl Phthalate	21.44	149	37131	135.83 ng/ml	98
81)	Benzo(b)fluoranthene	22.13	252	37079	171.88 ng/ml	97
82)	Benzo(k)fluoranthene	22.21	252	40393m	180.27 ng/ml	
83)	Benzo(a)pyrene	22.98	252	31031	160.08 ng/ml	88
84)	Indeno(1,2,3-cd)pyrene	25.52	276	27158	159.62 ng/ml	92
85)	Dibenz(a,h)anthracene	25.60	278	29150	163.96 ng/ml	88
86)	Benzo(g,h,i)perylene	26.01	276	30907	163.27 ng/ml	85

KB
NOV 16 2010

CH 11.17.10

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

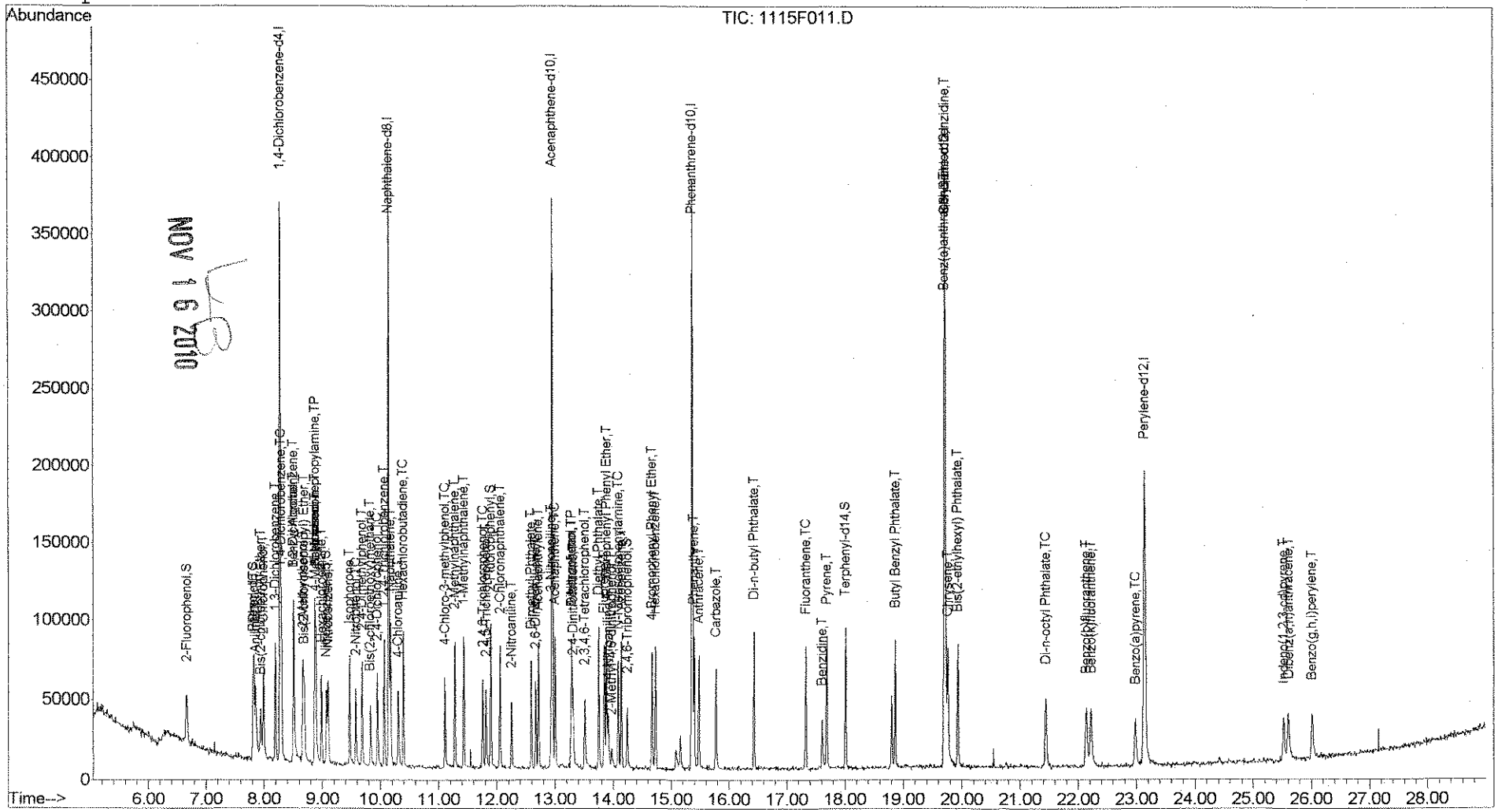
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F011.D
Acq On : 15 Nov 2010 5:46 pm
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



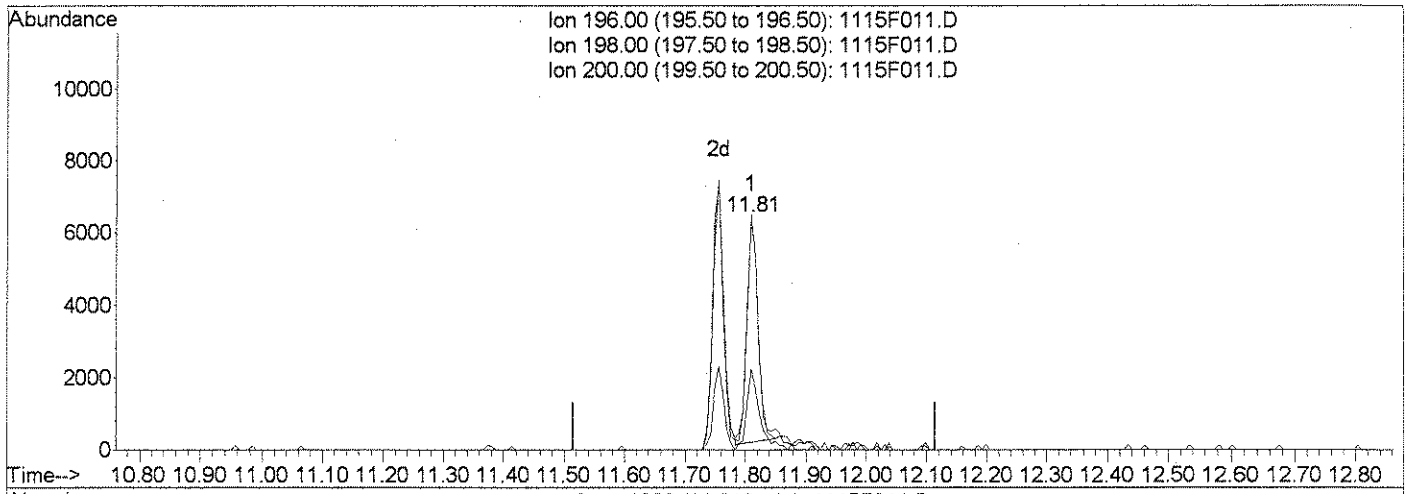
NOV 16 2010

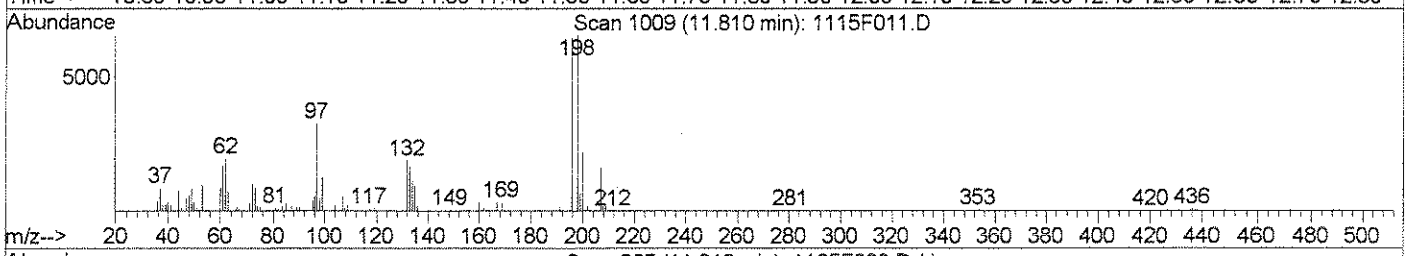
2111

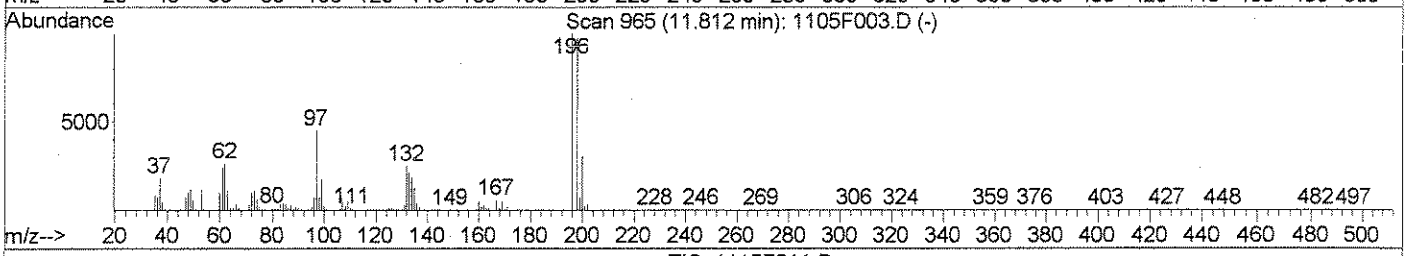
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:37 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F011.D

(39) 2,4,5-Trichlorophenol (T)

11.81min 174.67ng/ml

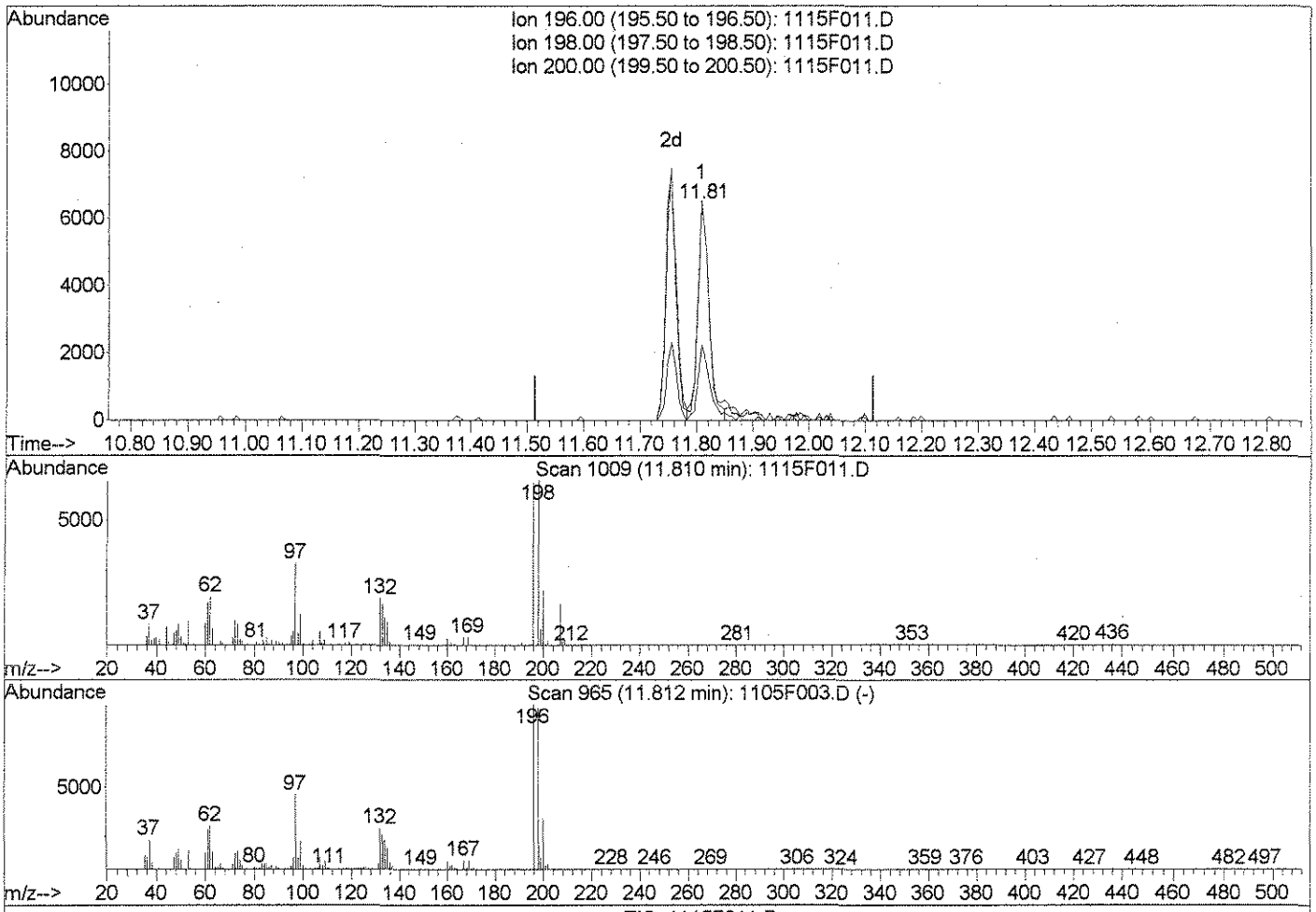
response 8084

Ion	Exp%	Act%
196.00	100	100
198.00	98.80	101.89
200.00	30.30	36.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:37 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(39) 2,4,5-Trichlorophenol (T)

11.81min 194.46ng/ml m

response 9000

Ion	Exp%	Act%
196.00	100	100
198.00	98.80	101.48
200.00	30.30	34.80
0.00	0.00	0.00

BL

LB

NOV 16 2010

CH 11.17.10

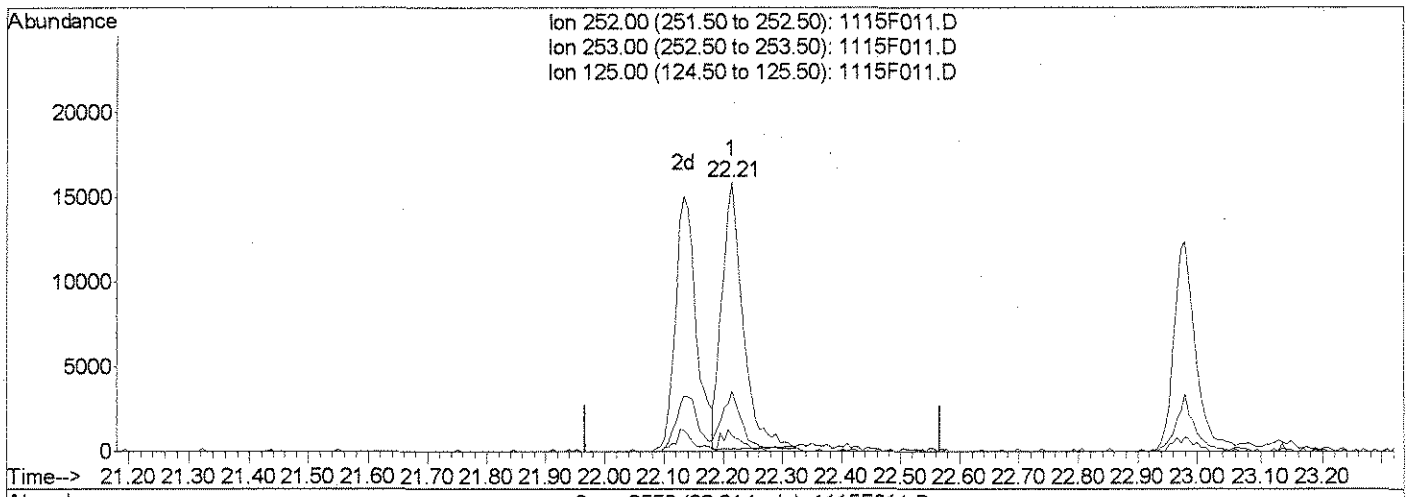
1115F011.D 111510_BNLL.M Tue Nov 16 08:37:44 2010

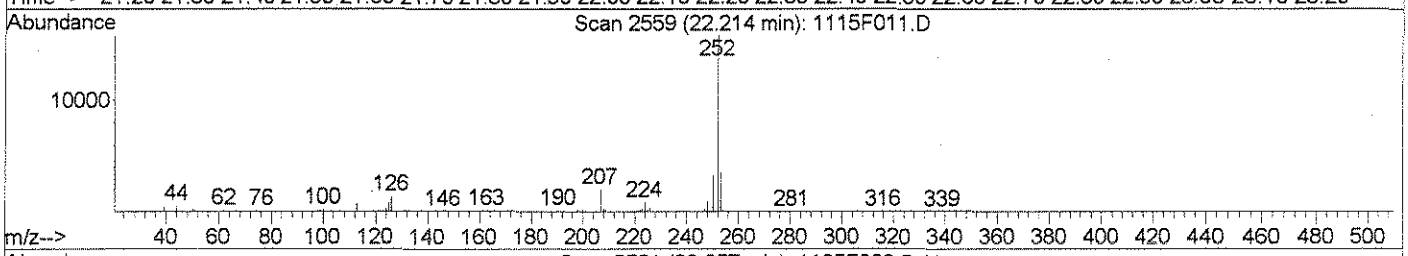
Quantitation Report (Qedit)

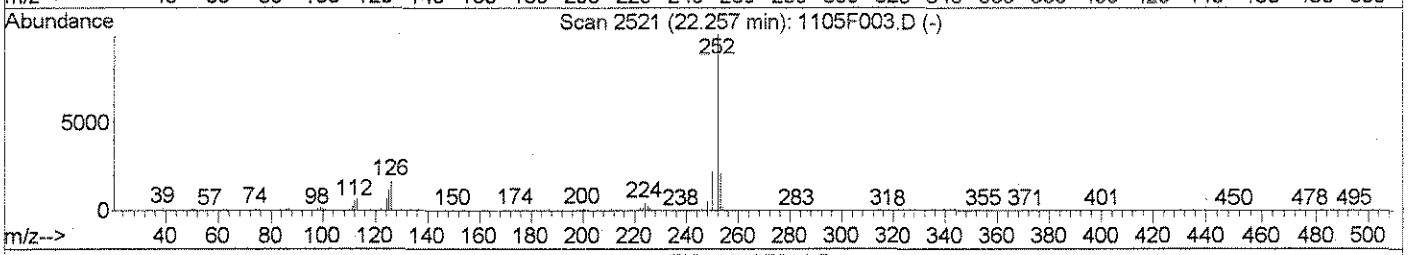
Data File : J:\MS06\DATA\111510\1115F011.D
Acq On : 15 Nov 2010 5:46 pm
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

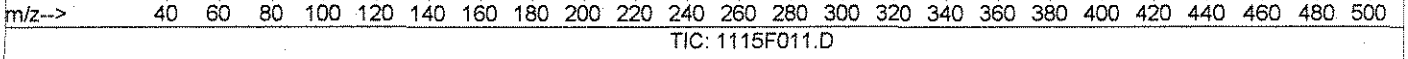
Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration









(82) Benzo(k)fluoranthene (T)

22.21min 173.03ng/ml

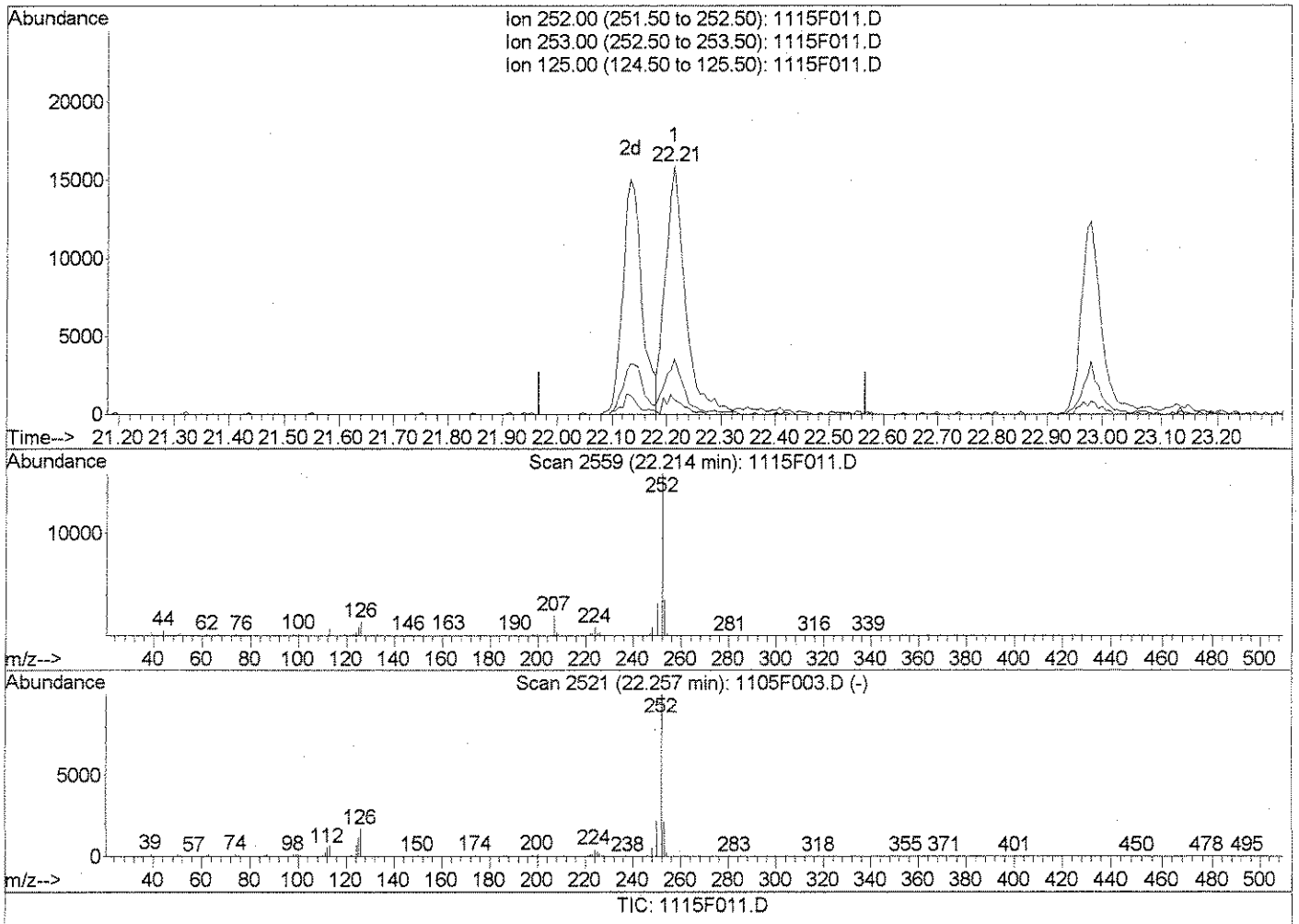
response 38769

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.49
125.00	12.00	5.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(82) Benzo(k)fluoranthene (T)

22.21min 180.27ng/ml m

response 40393

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	22.40
125.00	12.00	5.71
0.00	0.00	0.00

BL

LP

NOV 16 2010

CH 11.17.10

1115F011.D 111510_BNLL.M Tue Nov 16 08:38:18 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	65954	1000.00 ng/ml	-0.04
22) Naphthalene-d8	10.14	136	198296	1000.00 ng/ml	-0.02
36) Acenaphthene-d10	12.95	164	99399	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.35	188	196371	1000.00 ng/ml	-0.02
70) Chrysene-d12	19.71	240	229191	1000.00 ng/ml	-0.03
79) Perylene-d12	23.13	264	200187	1000.00 ng/ml	-0.03

System Monitoring Compounds					
4) 2-Fluorophenol	6.65	112	31333	469.83 ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 12.53%#		
6) Phenol-d6	7.81	99	37701	465.80 ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 12.42%#		
20) Nitrobenzene-d5	9.07	82	41545	538.17 ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 21.53%#		
40) 2-Fluorobiphenyl	11.89	172	83067	594.51 ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 23.78%#		
61) 2,4,6-Tribromophenol	14.24	330	16035	504.10 ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 13.44%#		
73) Terphenyl-d14	18.00	244	88619	530.39 ng/ml	-0.03
Spiked Amount 2500.000	Range 54 - 158		Recovery = 21.22%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.60	42	44669m	466.01 ng/ml	
3) Pyridine	5.62	79	30630m	459.46 ng/ml	
5) Bis(2-chloroethyl) Ether	7.93	93	27366m	404.20 ng/ml	
7) Phenol	7.83	94	41498	485.87 ng/ml	73
8) Aniline	7.85	93	40758	455.20 ng/ml#	79
9) 2-Chlorophenol	7.99	128	37901	442.17 ng/ml	93
10) 1,3-Dichlorobenzene	8.20	146	47264	469.04 ng/ml	98
11) 1,4-Dichlorobenzene	8.30	146	48818	475.36 ng/ml	98
12) 1,2-Dichlorobenzene	8.50	146	45344	466.46 ng/ml	97
13) Benzyl Alcohol	8.50	108	17873	354.84 ng/ml	87
14) Bis(2-chloroisopropyl) Eth	8.68	45	63493	378.47 ng/ml	91
15) 2-Methylphenol	8.66	107	27409	454.99 ng/ml	92
16) Acetophenone	8.86	105	46135	429.96 ng/ml	96
17) Hexachloroethane	8.98	117	18758	408.22 ng/ml	97
18) N-Nitrosodi-n-propylamine	8.87	70	26345	474.87 ng/ml	89
19) 4-Methylphenol	8.89	107	35145	389.77 ng/ml	92
21) Nitrobenzene	9.09	77	42832	559.85 ng/ml	87
23) Isophorone	9.46	82	65861	502.74 ng/ml	97
24) 2-Nitrophenol	9.57	139	20149	575.55 ng/ml	84
25) 2,4-Dimethylphenol	9.68	122	27054	545.53 ng/ml	90

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

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.82	93	33365	482.30 ng/ml	97
27)	2,4-Dichlorophenol	9.95	162	29917	468.39 ng/ml	94
28)	Benzoic Acid	9.81	122	6663m	810.57 ng/ml	
29)	1,2,4-Trichlorobenzene	10.06	180	41295	570.10 ng/ml	96
30)	Naphthalene	10.18	128	96267	446.75 ng/ml	98
31)	4-Chloroaniline	10.30	127	38323	396.13 ng/ml	89
32)	Hexachlorobutadiene	10.39	225	32841	629.46 ng/ml	99
33)	4-Chloro-3-methylphenol	11.10	107	30328	459.36 ng/ml#	71
34)	2-Methylnaphthalene	11.28	141	56772	410.93 ng/ml	93
35)	1-Methylnaphthalene	11.43	141	57537	420.03 ng/ml	93
37)	Hexachlorocyclopentadiene	11.54	237	21510	476.44 ng/ml	99
38)	2,4,6-Trichlorophenol	11.75	196	25627	613.51 ng/ml	97
39)	2,4,5-Trichlorophenol	11.81	196	27005	569.24 ng/ml	88
41)	2-Chloronaphthalene	12.05	127	28053	584.32 ng/ml	96
42)	2-Nitroaniline	12.25	65	23244	573.78 ng/ml	84
43)	Acenaphthylene	12.71	152	97601	492.61 ng/ml	99
44)	Dimethyl Phthalate	12.59	163	76332	500.61 ng/ml	98
45)	2,6-Dinitrotoluene	12.67	165	18382	578.23 ng/ml	82
46)	Acenaphthene	13.00	154	54751	453.89 ng/ml	97
47)	3-Nitroaniline	12.92	138	16739	455.66 ng/ml	98
48)	2,4-Dinitrophenol	13.10	184	4116	346.77 ng/ml	98
49)	Dibenzofuran	13.28	168	90834	479.05 ng/ml	81
50)	4-Nitrophenol	13.26	109	12600	496.47 ng/ml	96
51)	2,4-Dinitrotoluene	13.31	165	24834	537.19 ng/ml	87
52)	2,3,4,6-Tetrachlorophenol	13.51	232	25718	601.07 ng/ml	92
53)	Fluorene	13.84	166	69041	473.42 ng/ml	94
54)	4-Chlorophenyl Phenyl Ethe	13.87	204	43413	562.94 ng/ml	85
55)	Diethyl Phthalate	13.75	149	78630	463.71 ng/ml	98
56)	4-Nitroaniline	13.91	138	15261	420.80 ng/ml#	63
57)	2-Methyl-4,6-dinitrophenol	13.97	198	10475	425.71 ng/ml	93
58)	N-Nitrosodiphenylamine	14.08	169	51997	500.80 ng/ml	98
59)	Azobenzene	14.13	77	77311	496.14 ng/ml	94
62)	4-Bromophenyl Phenyl Ether	14.67	248	27992	503.02 ng/ml	100
63)	Hexachlorobenzene	14.73	284	30932	487.56 ng/ml	91
64)	Pentachlorophenol	15.07	266	12860	356.03 ng/ml	99
65)	Phenanthrene	15.39	178	97669	400.59 ng/ml	99
66)	Anthracene	15.47	178	98269	387.19 ng/ml	98
67)	Carbazole	15.77	167	88627	402.94 ng/ml	98
68)	Di-n-butyl Phthalate	16.43	149	122333	375.24 ng/ml	99
69)	Fluoranthene	17.32	202	119812	435.13 ng/ml	94
71)	Benzidine	17.61	184	59109	594.11 ng/ml	96

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

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	Pyrene	17.68	202	124262	499.20 ng/ml	99
74)	Butyl Benzyl Phthalate	18.86	149	53393	398.46 ng/ml	94
75)	3,3'-Dichlorobenzidine	19.70	252	47496	483.50 ng/ml	99
76)	Benz(a)anthracene	19.69	228	115171	474.20 ng/ml	98
77)	Chrysene	19.75	228	113348	481.96 ng/ml	97
78)	Bis(2-ethylhexyl) Phthalat	19.93	149	69303	371.85 ng/ml	87
80)	Di-n-octyl Phthalate	21.44	149	107075	378.45 ng/ml	98
81)	Benzo(b)fluoranthene	22.14	252	99854	450.70 ng/ml	92
82)	Benzo(k)fluoranthene	22.22	252	115388	501.42 ng/ml	93
83)	Benzo(a)pyrene	22.98	252	84275	423.32 ng/ml	93
84)	Indeno(1,2,3-cd)pyrene	25.52	276	74919	428.73 ng/ml	90
85)	Dibenz(a,h)anthracene	25.60	278	81891	448.49 ng/ml	92
86)	Benzo(g,h,i)perylene	26.02	276	85653	440.55 ng/ml	87

LB
NOV 16 2010

CH 11.17.10

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

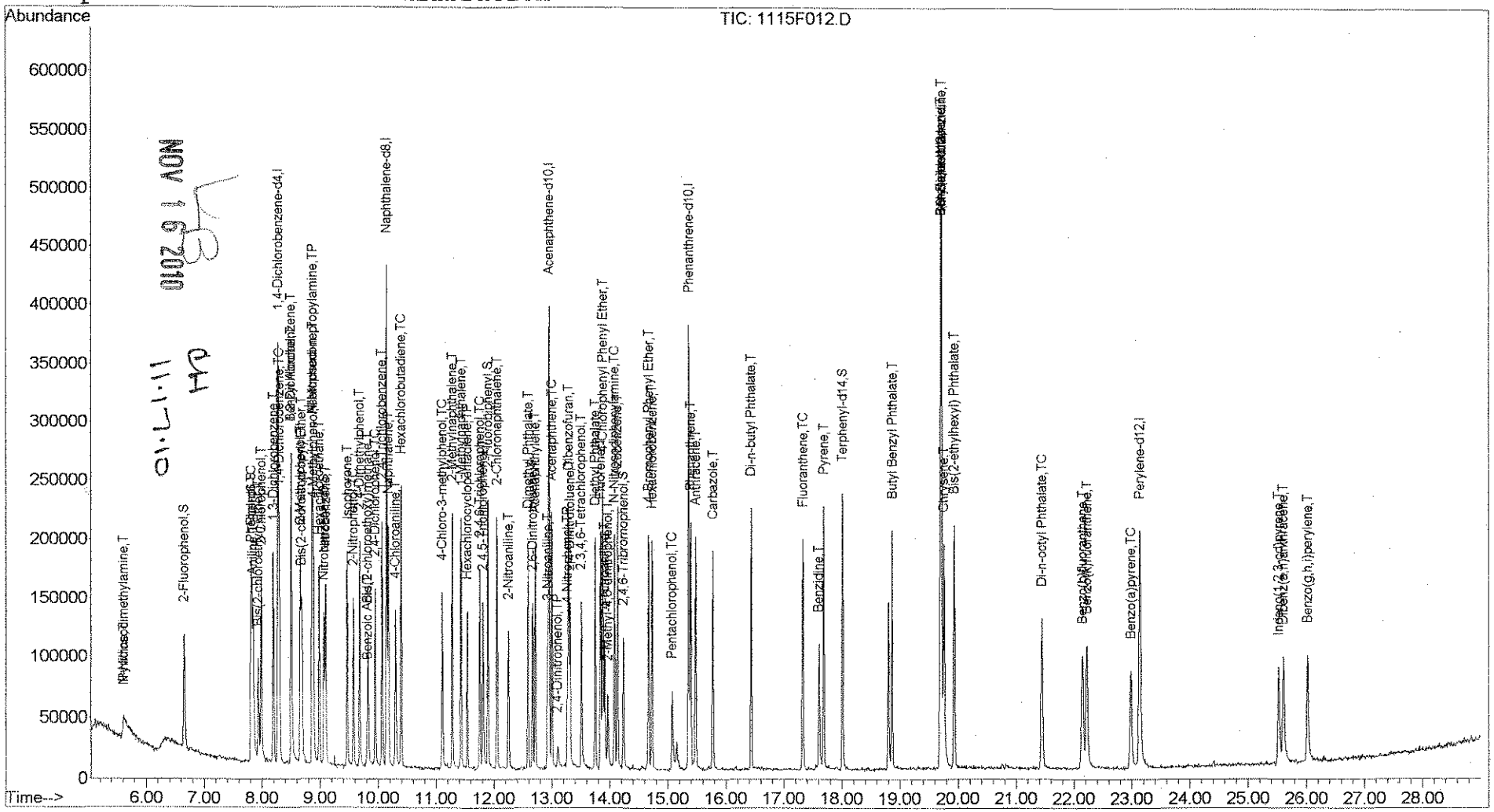
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



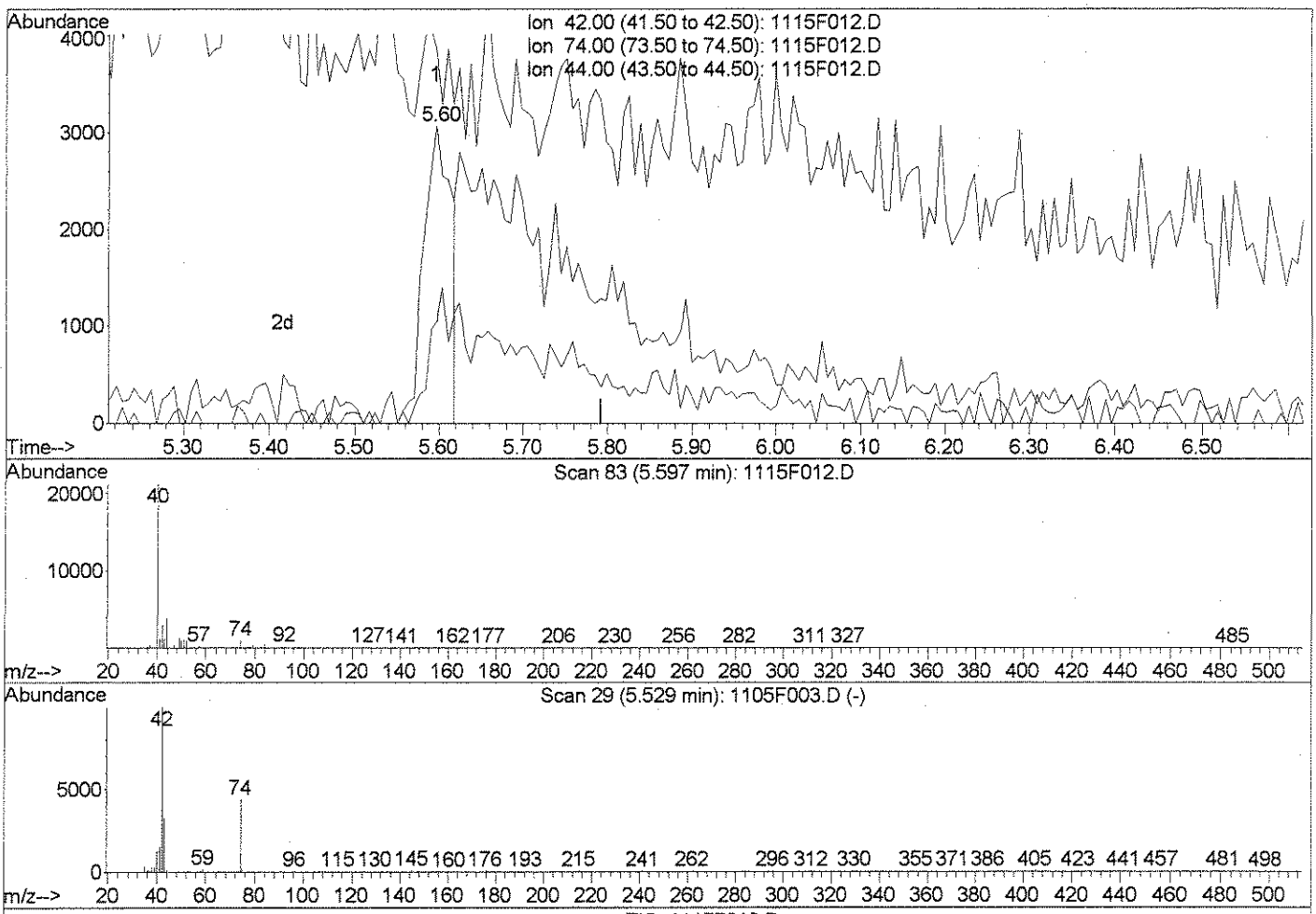
2119

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:31 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



(2) N-Nitrosodimethylamine (T)

5.60min 72.55ng/ml

response 6954

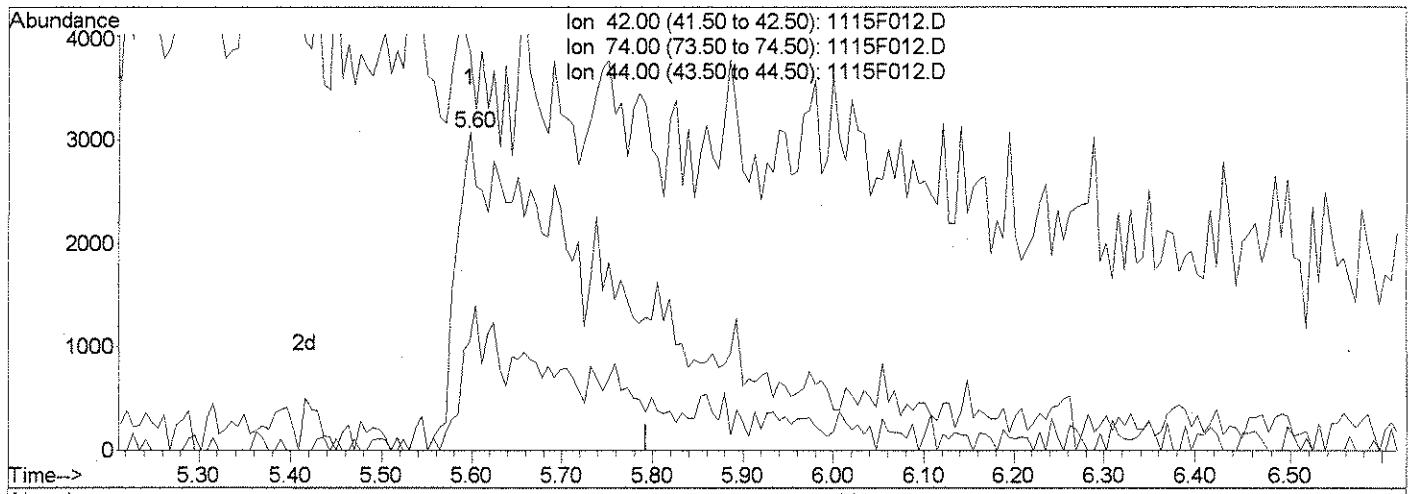
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	34.13
44.00	6.60	18.17
0.00	0.00	0.00

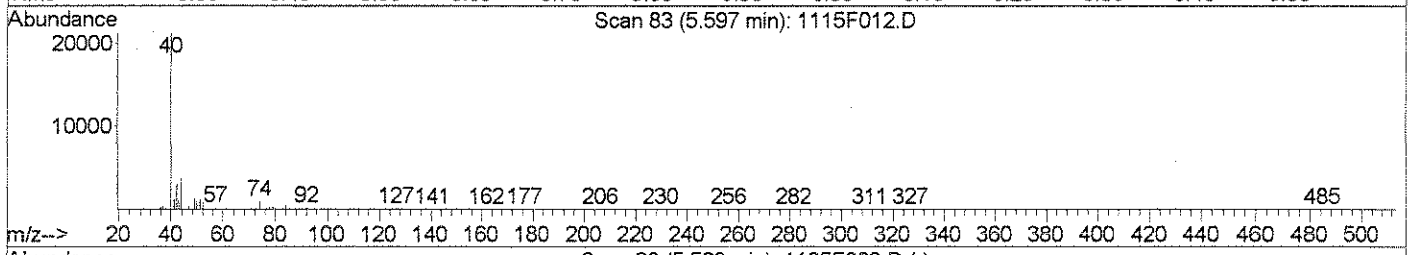
Quantitation Report (Qedit)

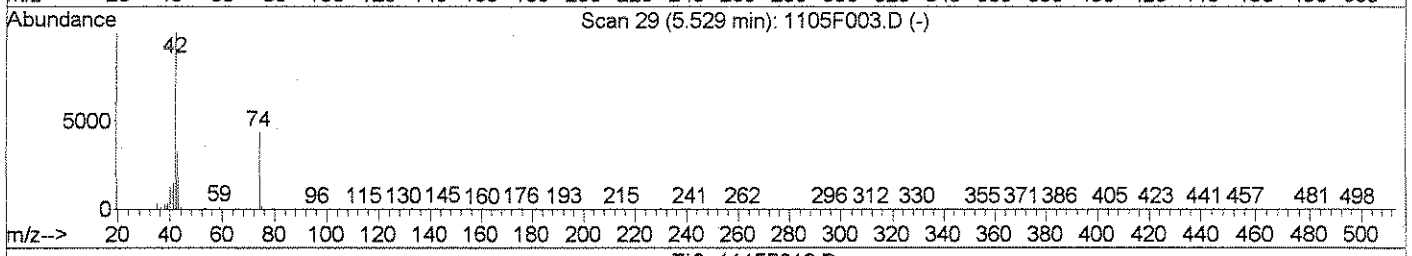
Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F012.D

(2) N-Nitrosodimethylamine (T)

5.60min 466.01ng/ml m

response 44669

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	34.13
44.00	6.60	125.53#
0.00	0.00	0.00

1C

NOV 16 2010

CH 11.17.10

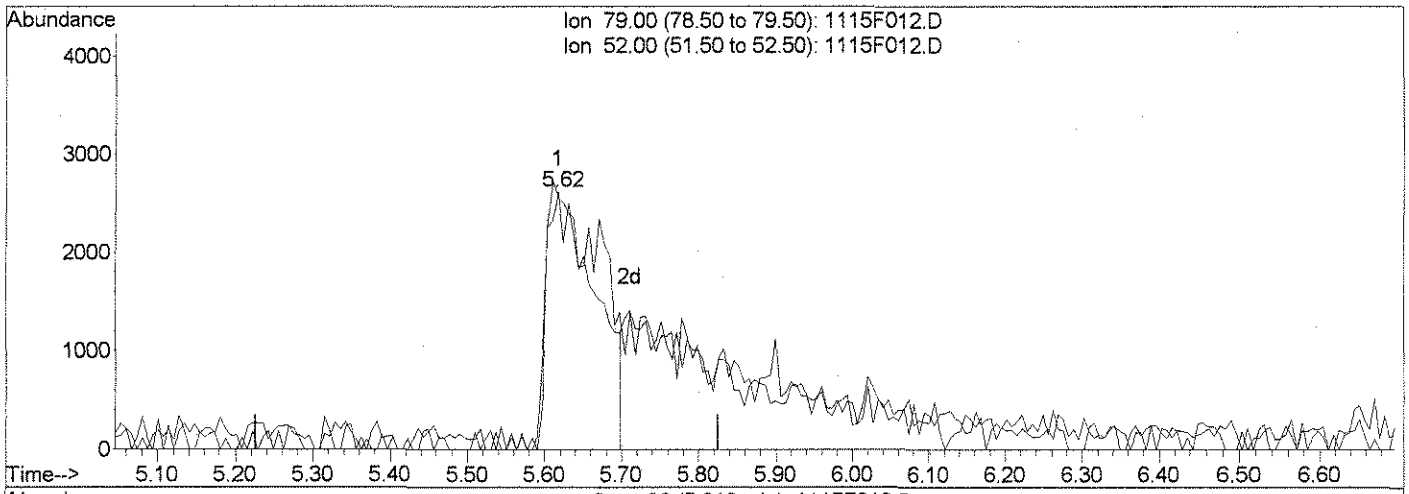
1115F012.D 111510_BNLL.M Tue Nov 16 08:38:34 2010

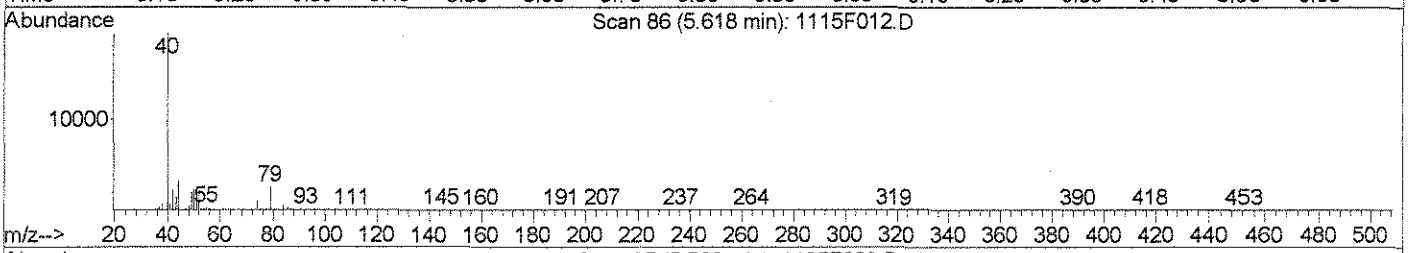
Quantitation Report (Qedit)

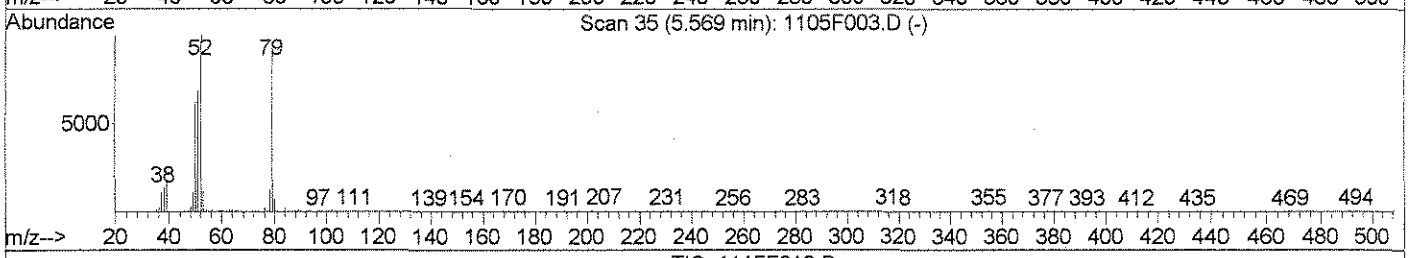
Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F012.D

(3) Pyridine (T)

5.62min 170.42ng/ml

response 11361

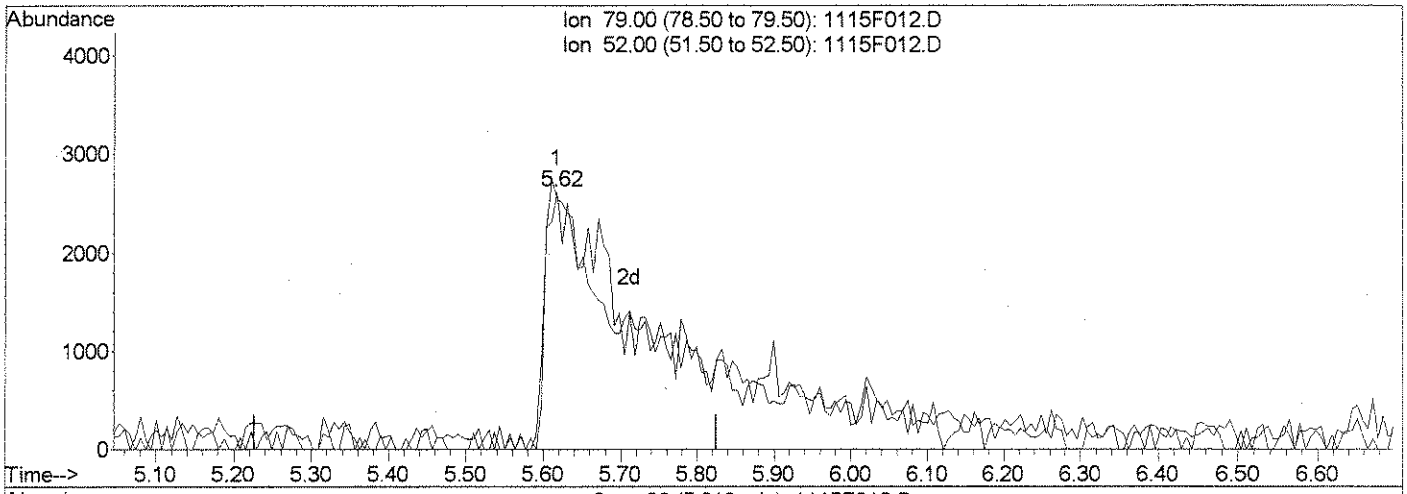
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	97.52
0.00	0.00	0.00
0.00	0.00	0.00

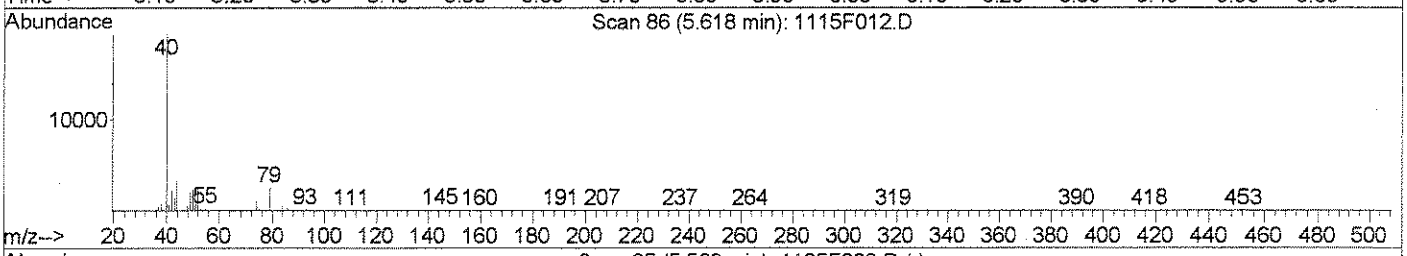
Quantitation Report (Qedit)

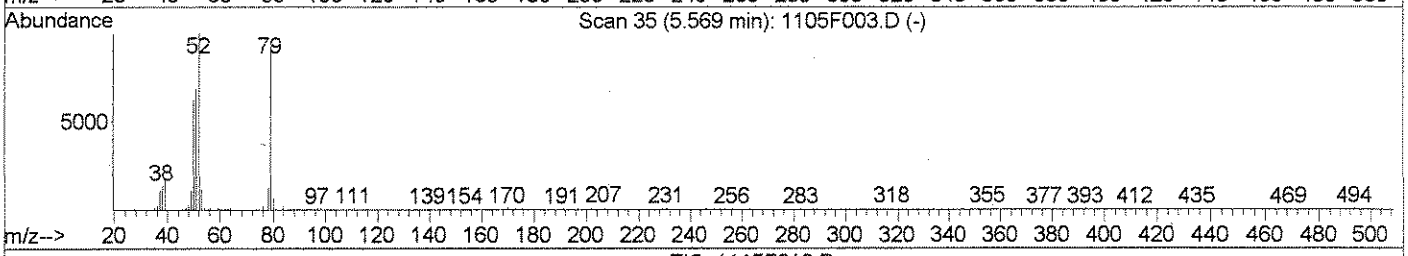
Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F012.D

(3) Pyridine (T)

5.62min 459.46ng/ml m

response 30630

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	97.52
0.00	0.00	0.00
0.00	0.00	0.00

1C

NOV 16 2010

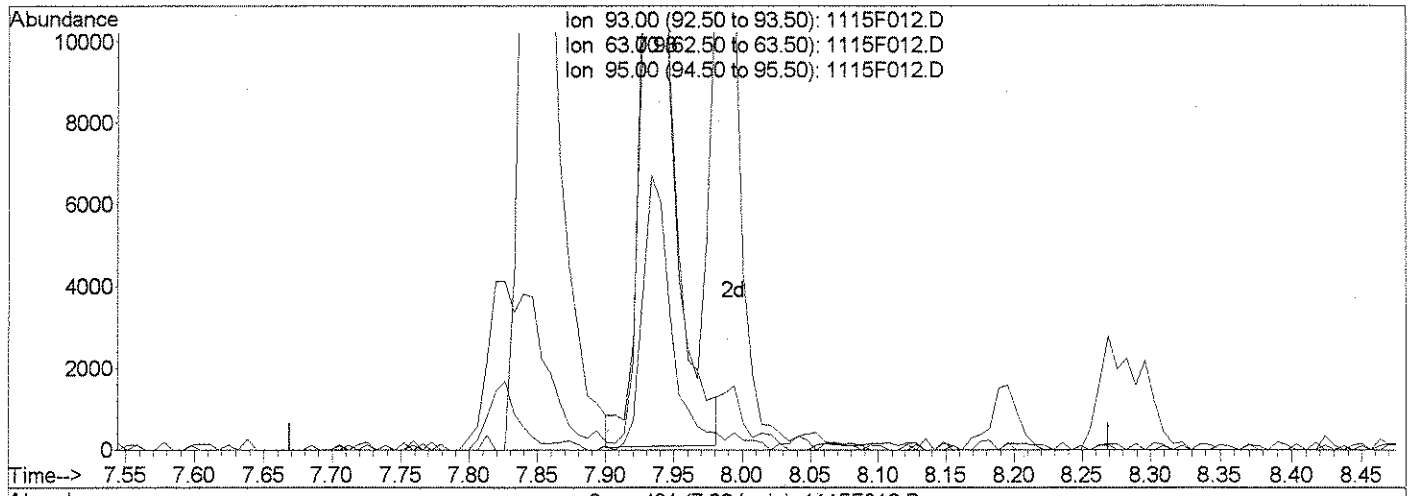
CH 11-17-10

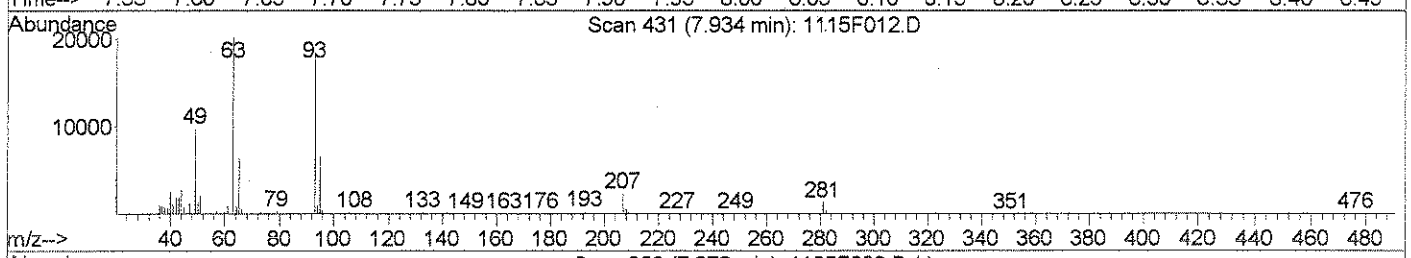
1115F012.D 111510_BNLL.M Tue Nov 16 08:38:43 2010

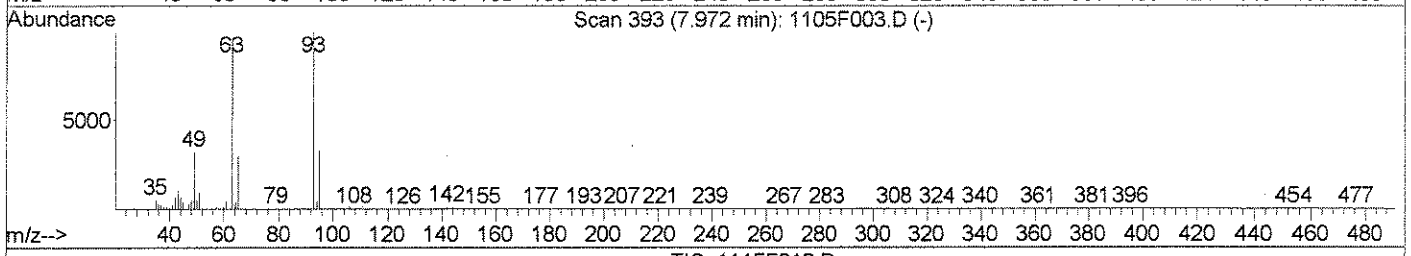
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F012.D

(5) Bis(2-chloroethyl) Ether (T)

7.93min 414.97ng/ml

response 28095

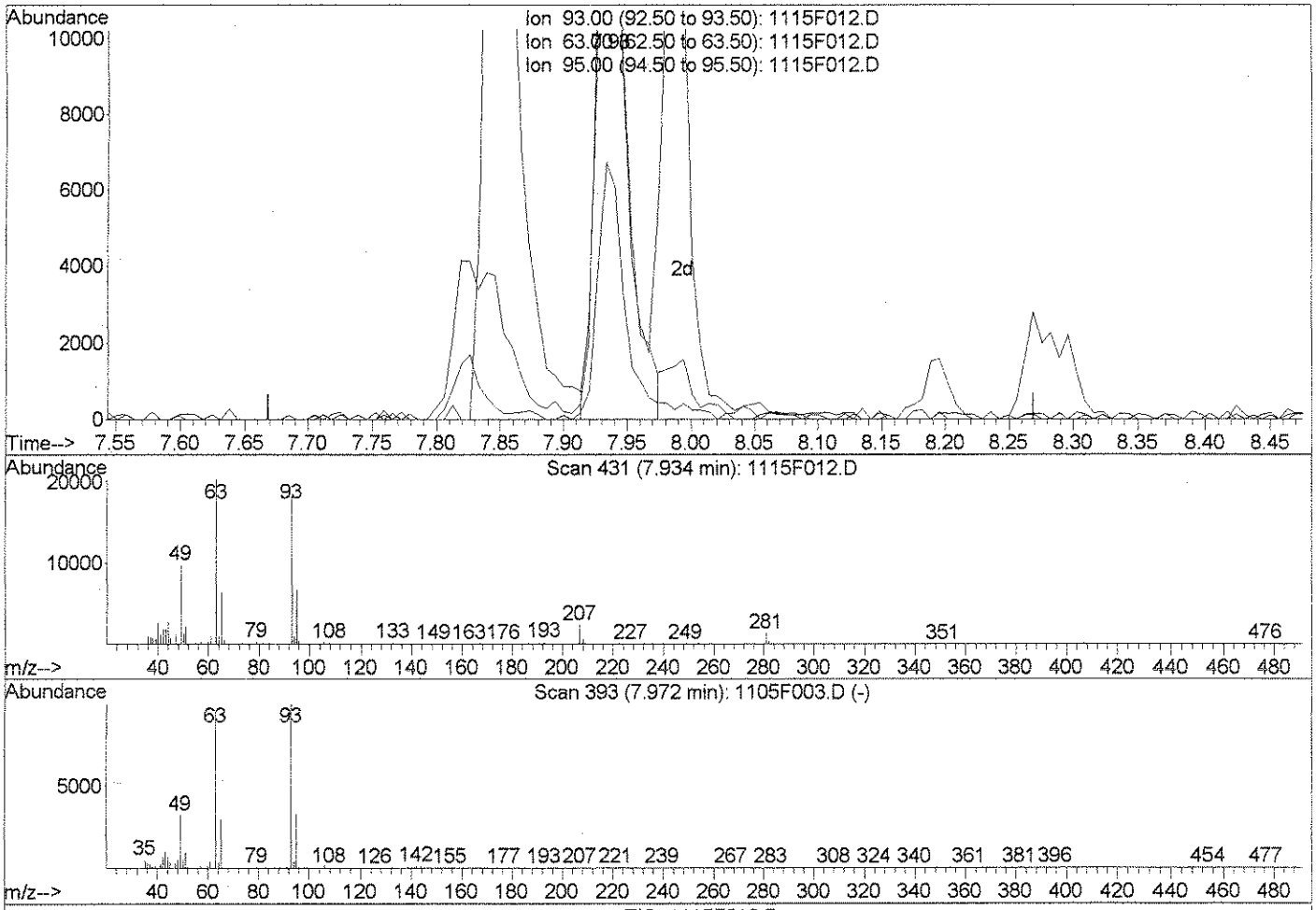
Ion	Exp%	Act%
93.00	100	100
63.00	94.80	113.64
95.00	33.70	37.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(5) Bis(2-chloroethyl) Ether (T)

7.93min 404.20ng/ml m

response 27366

Ion	Exp%	Act%
93.00	100	100
63.00	94.80	109.57
95.00	33.70	36.43
0.00	0.00	0.00

NOV 16 2010

CH 11·17·10

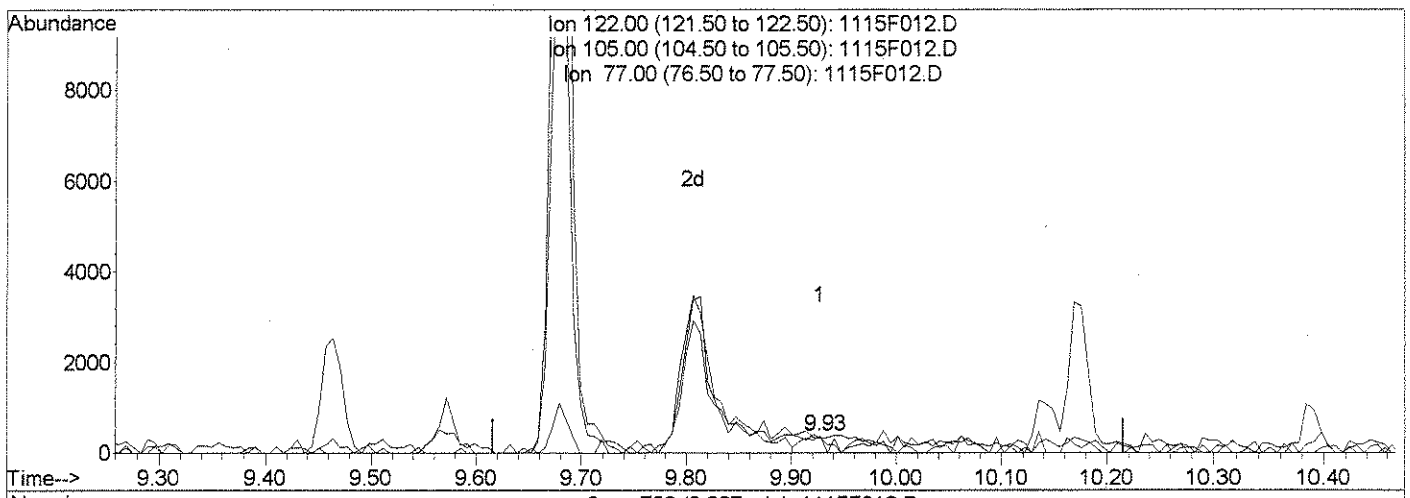
1115F012.D 111510_BNLL.M Tue Nov 16 08:38:53 2010

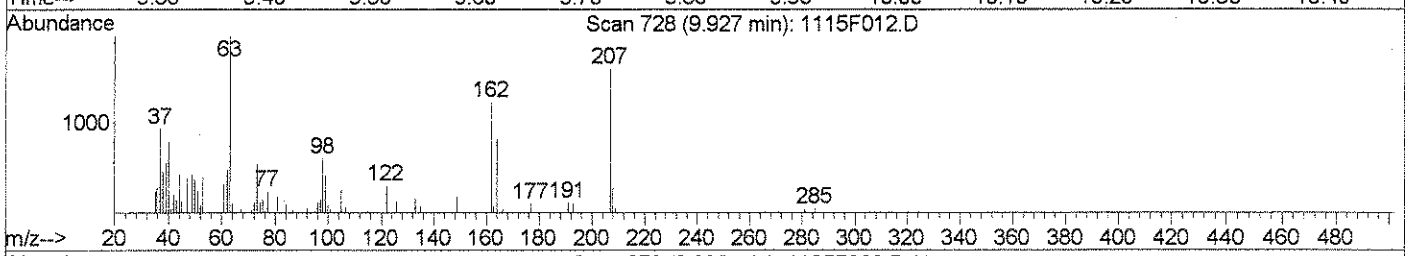
Quantitation Report (Qedit)

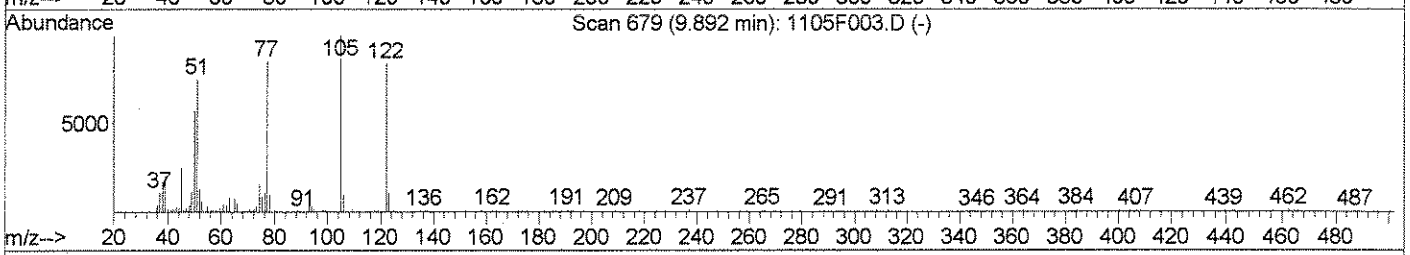
Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F012.D

(28) Benzoic Acid (T)

9.93min 668.86ng/ml

response 619

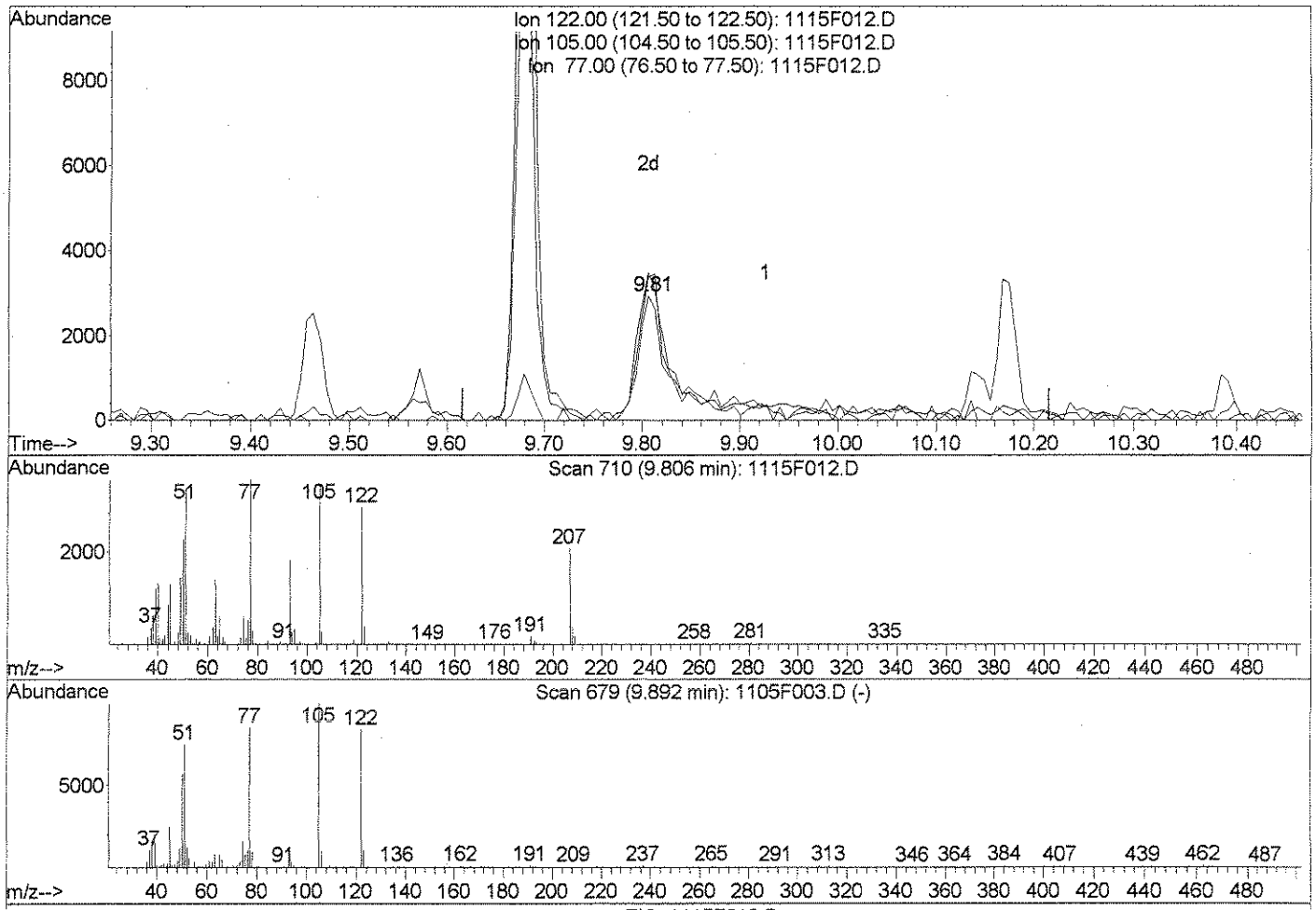
Ion	Exp%	Act%
122.00	100	100
105.00	122.80	87.20#
77.00	88.90	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



TIC: 1115F012.D

(28) Benzoic Acid (T)

9.81min 810.57ng/ml m

response 6663

Ion	Exp%	Act%
122.00	100	100
105.00	122.80	115.00
77.00	88.90	118.96#
0.00	0.00	0.00

WP

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:59 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	66801	1000.00	ng/ml	-0.04
22) Naphthalene-d8	10.14	136	202904	1000.00	ng/ml	-0.02
36) Acenaphthene-d10	12.95	164	105559	1000.00	ng/ml	-0.02
60) Phenanthrene-d10	15.36	188	207174	1000.00	ng/ml	-0.02
70) Chrysene-d12	19.71	240	237674	1000.00	ng/ml	-0.02
79) Perylene-d12	23.14	264	206123	1000.00	ng/ml	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	6.65	112	67477	998.98	ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 26.64%#			
6) Phenol-d6	7.81	99	79000	963.68	ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 25.70%#			
20) Nitrobenzene-d5	9.07	82	90375	1155.87	ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 46.23%			
40) 2-Fluorobiphenyl	11.89	172	173719	1170.75	ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 46.83%			
61) 2,4,6-Tribromophenol	14.24	330	35967	1071.76	ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 28.58%#			
73) Terphenyl-d14	18.01	244	190657	1100.37	ng/ml	-0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 44.01%#			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.52	42	94319m	971.51	ng/ml	
3) Pyridine	5.53	79	65525m	970.44	ng/ml	
5) Bis(2-chloroethyl) Ether	7.93	93	62801	915.82	ng/ml	98
7) Phenol	7.83	94	87634	1013.03	ng/ml	74
8) Aniline	7.85	93	91906	1013.42	ng/ml#	78
9) 2-Chlorophenol	7.99	128	80226	924.09	ng/ml	98
10) 1,3-Dichlorobenzene	8.19	146	100737	987.01	ng/ml	98
11) 1,4-Dichlorobenzene	8.30	146	100420	965.44	ng/ml	96
12) 1,2-Dichlorobenzene	8.50	146	94345	958.23	ng/ml	96
13) Benzyl Alcohol	8.50	108	39834	780.82	ng/ml	92
14) Bis(2-chloroisopropyl) Eth	8.68	45	135404	796.89	ng/ml	93
15) 2-Methylphenol	8.66	107	55478	909.26	ng/ml	87
16) Acetophenone	8.86	105	97202	894.40	ng/ml	95
17) Hexachloroethane	8.98	117	40761	875.82	ng/ml	89
18) N-Nitrosodi-n-propylamine	8.87	70	58523	1041.51	ng/ml	84
19) 4-Methylphenol	8.89	107	76049	832.72	ng/ml	96
21) Nitrobenzene	9.09	77	88016	1135.85	ng/ml	93
23) Isophorone	9.46	82	143716	1072.12	ng/ml	97
24) 2-Nitrophenol	9.57	139	45559	1271.82	ng/ml	88
25) 2,4-Dimethylphenol	9.68	122	59690	1176.28	ng/ml	85

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:59 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.83	93	71451	1009.39 ng/ml	98
27)	2,4-Dichlorophenol	9.95	162	65312	999.33 ng/ml	96
28)	Benzoic Acid	9.83	122	18704	1079.51 ng/ml	82
29)	1,2,4-Trichlorobenzene	10.07	180	89032	1201.23 ng/ml	98
30)	Naphthalene	10.18	128	206692	937.42 ng/ml	99
31)	4-Chloroaniline	10.30	127	85894	867.69 ng/ml	92
32)	Hexachlorobutadiene	10.39	225	68274	1278.89 ng/ml	97
33)	4-Chloro-3-methylphenol	11.10	107	65741	973.13 ng/ml	76
34)	2-Methylnaphthalene	11.28	141	118159	835.84 ng/ml	95
35)	1-Methylnaphthalene	11.43	141	122726	875.58 ng/ml	91
37)	Hexachlorocyclopentadiene	11.54	237	60581	1263.55 ng/ml	96
38)	2,4,6-Trichlorophenol	11.75	196	56095	1264.54 ng/ml	97
39)	2,4,5-Trichlorophenol	11.81	196	60261m	1196.11 ng/ml	
41)	2-Chloronaphthalene	12.05	127	57395	1125.72 ng/ml	99
42)	2-Nitroaniline	12.25	65	49990	1154.52 ng/ml	92
43)	Acenaphthylene	12.71	152	208728	992.01 ng/ml	99
44)	Dimethyl Phthalate	12.59	163	162035	1000.66 ng/ml	99
45)	2,6-Dinitrotoluene	12.67	165	38817	1132.64 ng/ml	87
46)	Acenaphthene	13.00	154	115488	901.54 ng/ml	99
47)	3-Nitroaniline	12.93	138	37423	951.29 ng/ml	93
48)	2,4-Dinitrophenol	13.10	184	13731	1004.53 ng/ml	90
49)	Dibenzofuran	13.28	168	191048	948.78 ng/ml	88
50)	4-Nitrophenol	13.26	109	29926	1110.35 ng/ml	85
51)	2,4-Dinitrotoluene	13.31	165	54298	1096.47 ng/ml	82
52)	2,3,4,6-Tetrachlorophenol	13.51	232	55942	1217.87 ng/ml	96
53)	Fluorene	13.84	166	150568	972.22 ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.88	204	92790	1133.00 ng/ml	96
55)	Diethyl Phthalate	13.75	149	168115	933.57 ng/ml	98
56)	4-Nitroaniline	13.91	138	37335	969.37 ng/ml	82
57)	2-Methyl-4,6-dinitrophenol	13.97	198	28836	1077.38 ng/ml	89
58)	N-Nitrosodiphenylamine	14.08	169	108506	984.08 ng/ml	96
59)	Azobenzene	14.14	77	167351	1011.29 ng/ml	93
62)	4-Bromophenyl Phenyl Ether	14.67	248	60238	1026.03 ng/ml	97
63)	Hexachlorobenzene	14.73	284	65007	971.22 ng/ml	90
64)	Pentachlorophenol	15.08	266	34443	888.02 ng/ml	94
65)	Phenanthrene	15.39	178	206536	802.94 ng/ml	99
66)	Anthracene	15.48	178	216044	806.85 ng/ml	99
67)	Carbazole	15.77	167	188682	813.10 ng/ml	99
68)	Di-n-butyl Phthalate	16.43	149	260855	758.41 ng/ml	99
69)	Fluoranthene	17.32	202	262040	902.05 ng/ml	95
71)	Benzidine	17.61	184	130914	1268.87 ng/ml	96

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:59 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	Pyrene	17.69	202	262692	1017.65 ng/ml	98
74)	Butyl Benzyl Phthalate	18.86	149	113322	815.51 ng/ml	92
75)	3,3'-Dichlorobenzidine	19.70	252	104193	1022.81 ng/ml	97
76)	Benz(a)anthracene	19.69	228	242995	964.79 ng/ml	99
77)	Chrysene	19.76	228	251692	1032.01 ng/ml	98
78)	Bis(2-ethylhexyl) Phthalat	19.93	149	149921	775.70 ng/ml	90
80)	Di-n-octyl Phthalate	21.43	149	237195	803.37 ng/ml	97
81)	Benzo(b)fluoranthene	22.14	252	222573	975.66 ng/ml	95
82)	Benzo(k)fluoranthene	22.22	252	245476	1036.00 ng/ml	94
83)	Benzo(a)pyrene	22.98	252	184087	898.05 ng/ml	95
84)	Indeno(1,2,3-cd)pyrene	25.53	276	167748	932.32 ng/ml	89
85)	Dibenz(a,h)anthracene	25.61	278	174439	927.83 ng/ml	92
86)	Benzo(g,h,i)perylene	26.02	276	187198	935.11 ng/ml	87

NOV 16 2010

CH 11.17.10

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

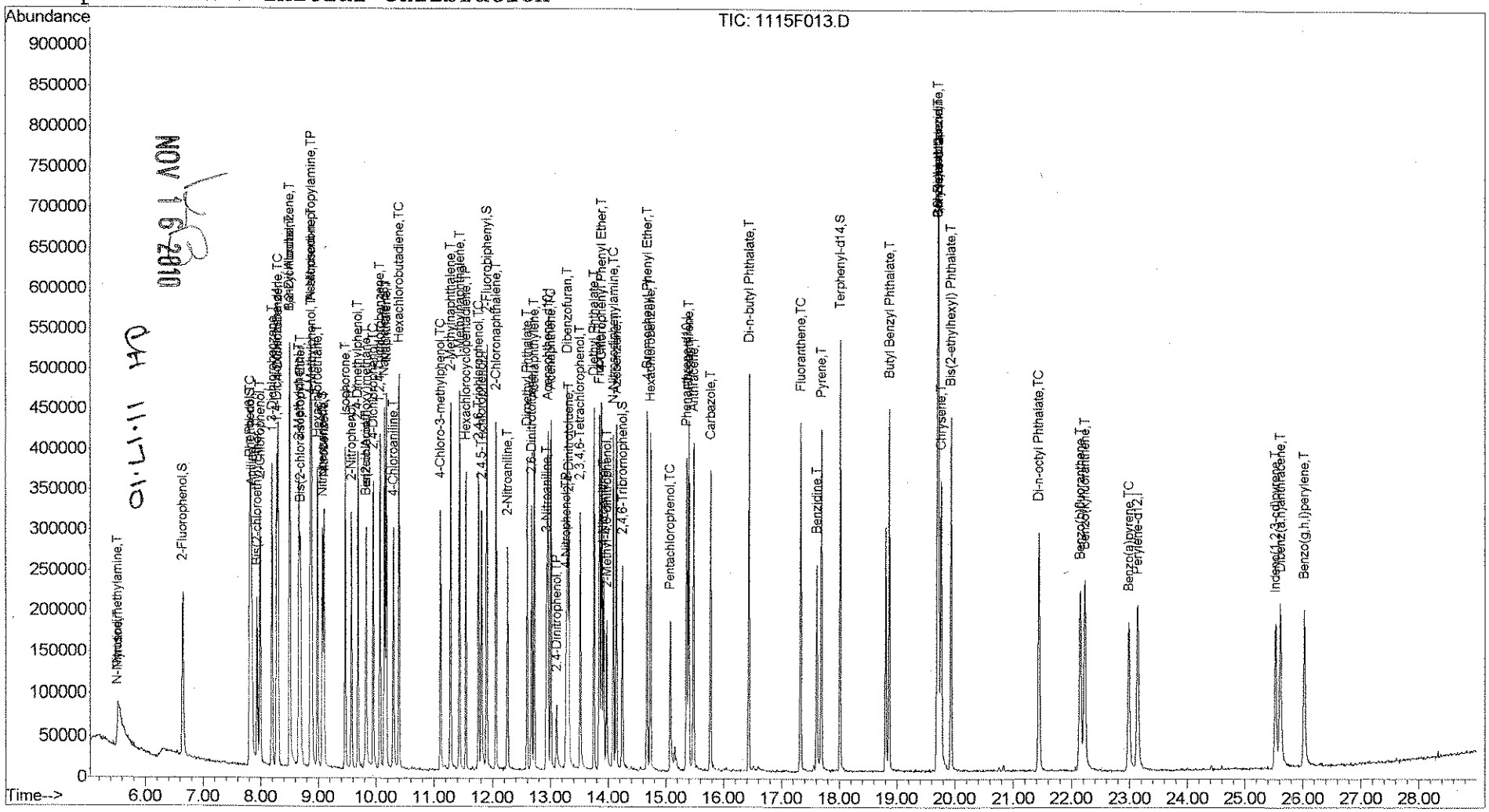
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 7:02 pm
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:40 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration

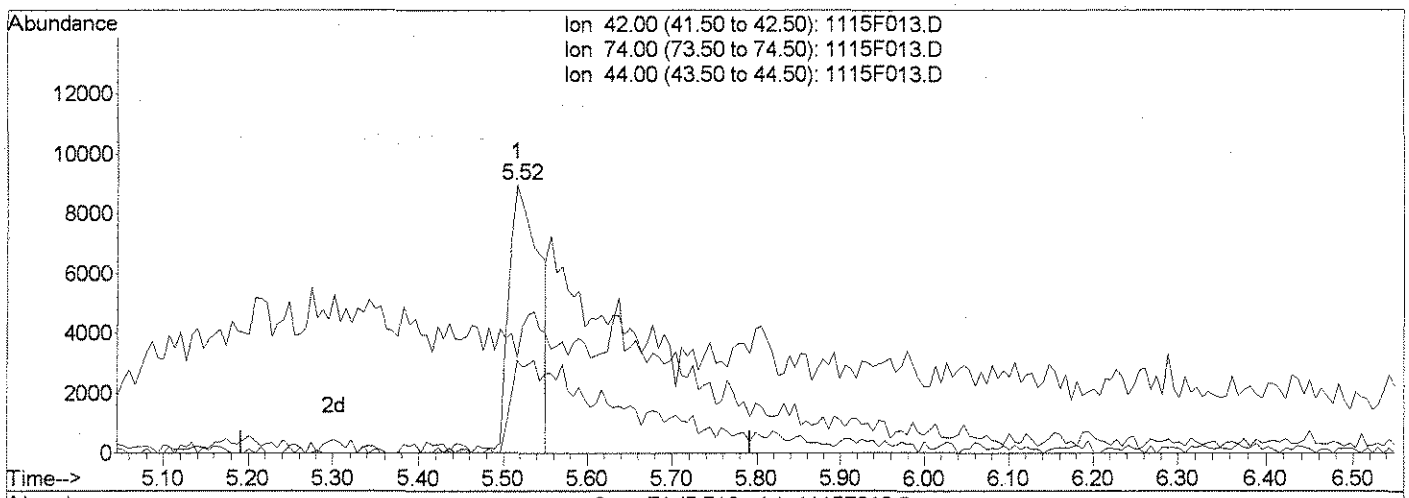


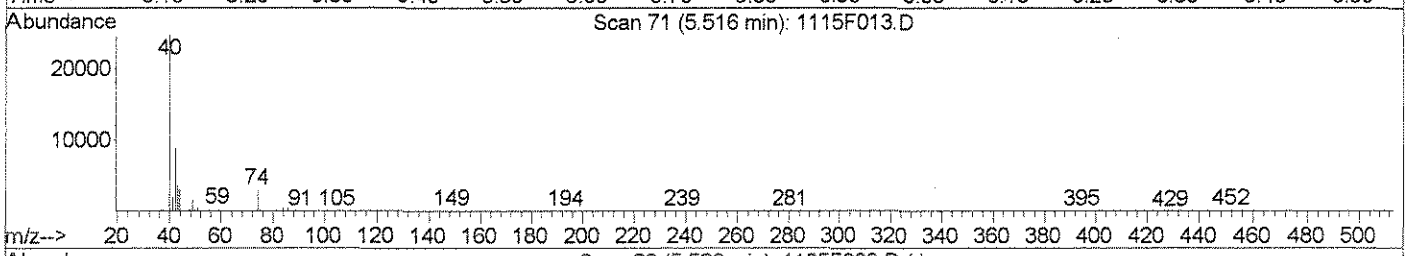
2131

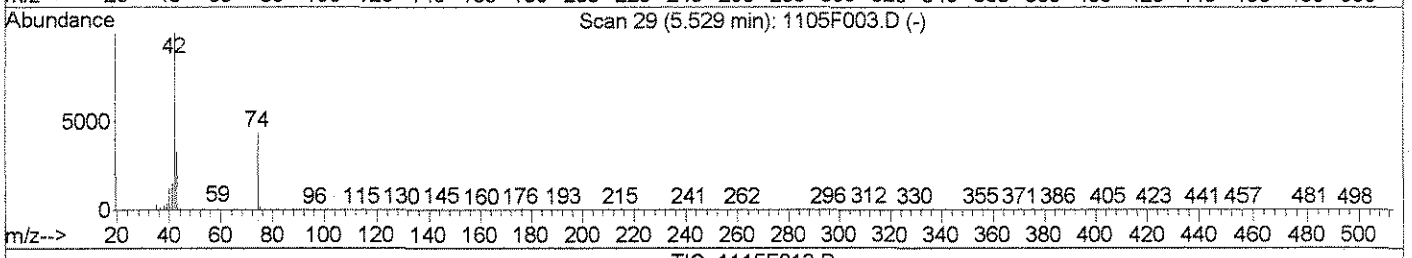
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F013.D

(2) N-Nitrosodimethylamine (T)

5.52min 237.28ng/ml

response 23036

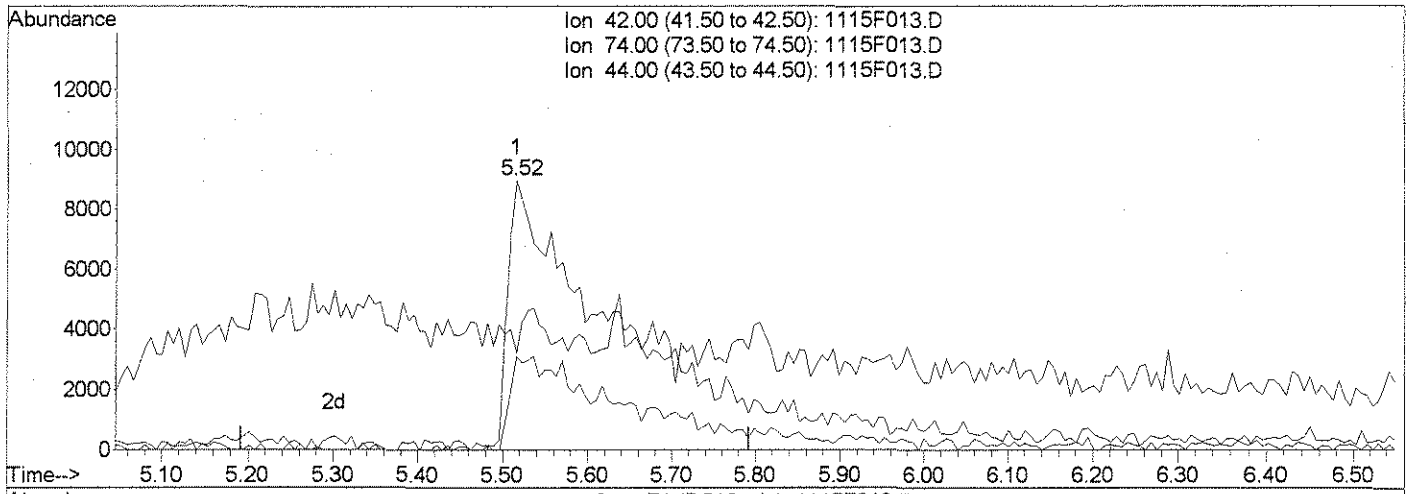
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	34.36
44.00	6.60	0.00
0.00	0.00	0.00

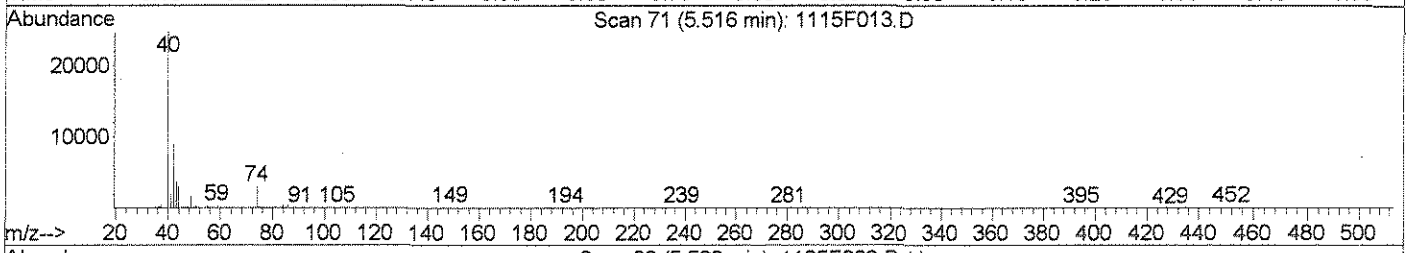
Quantitation Report (Qedit)

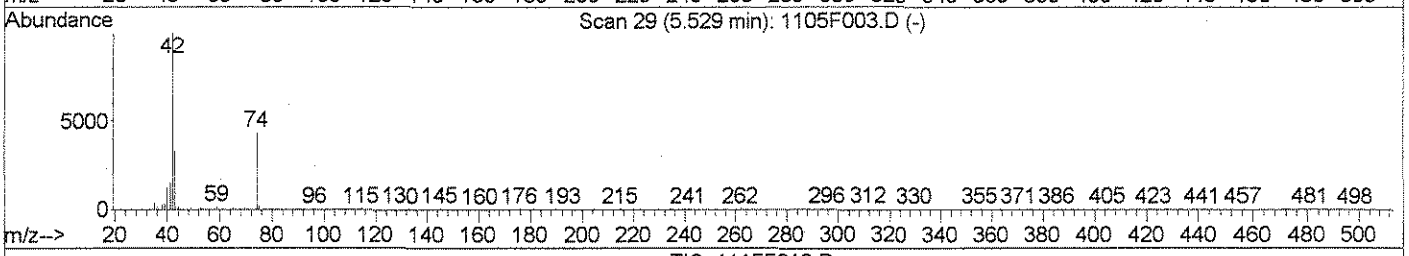
Data File : J:\MS06\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 7:02 pm
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F013.D

(2) N-Nitrosodimethylamine (T)

5.52min 971.51ng/ml m

response 94319

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	34.36
44.00	6.60	35.75
0.00	0.00	0.00

1C

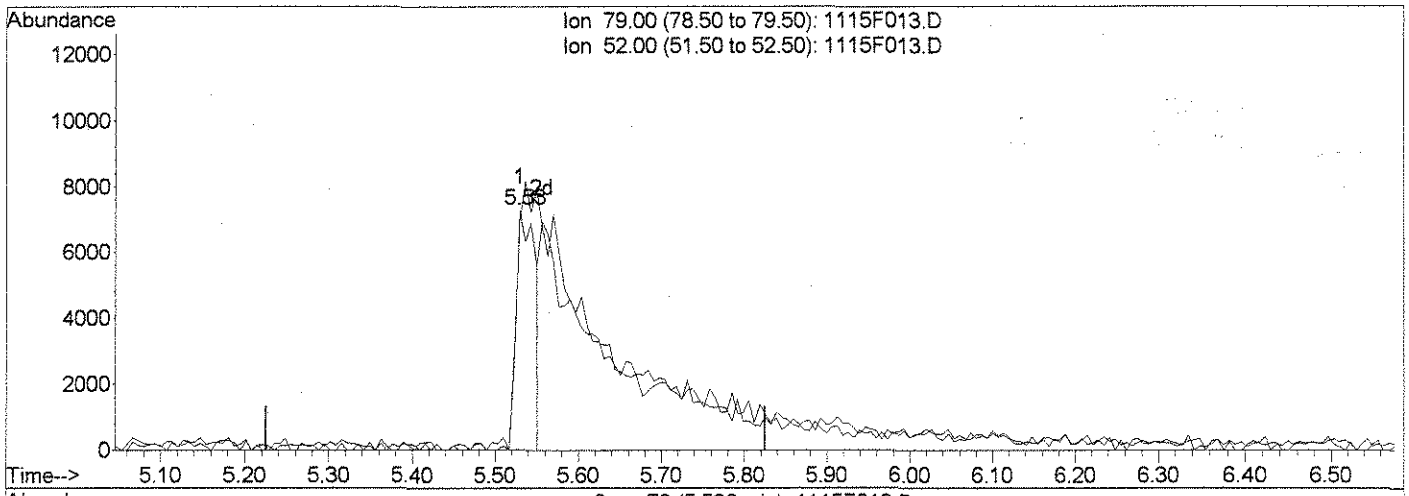
LB
NOV 16 2010

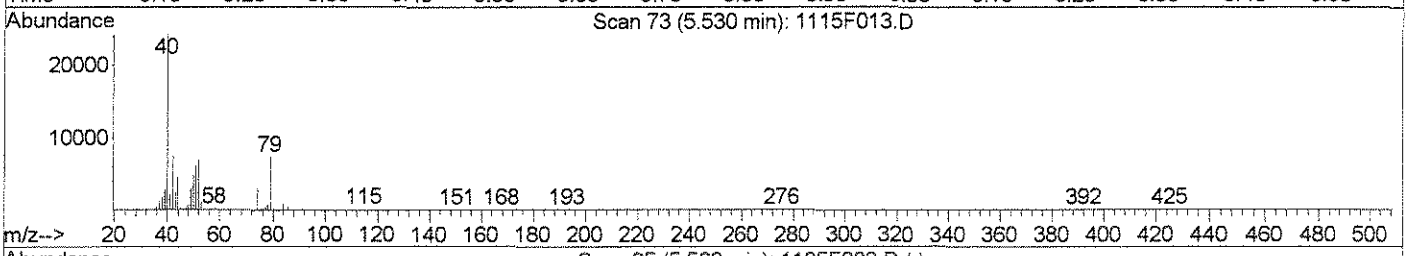
CH 11.17.10

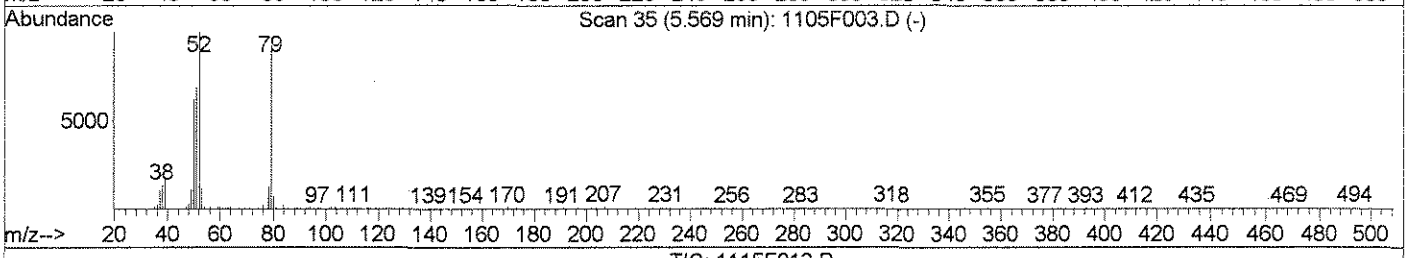
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F013.D

(3) Pyridine (T)

5.53min 172.67ng/ml

response 11659

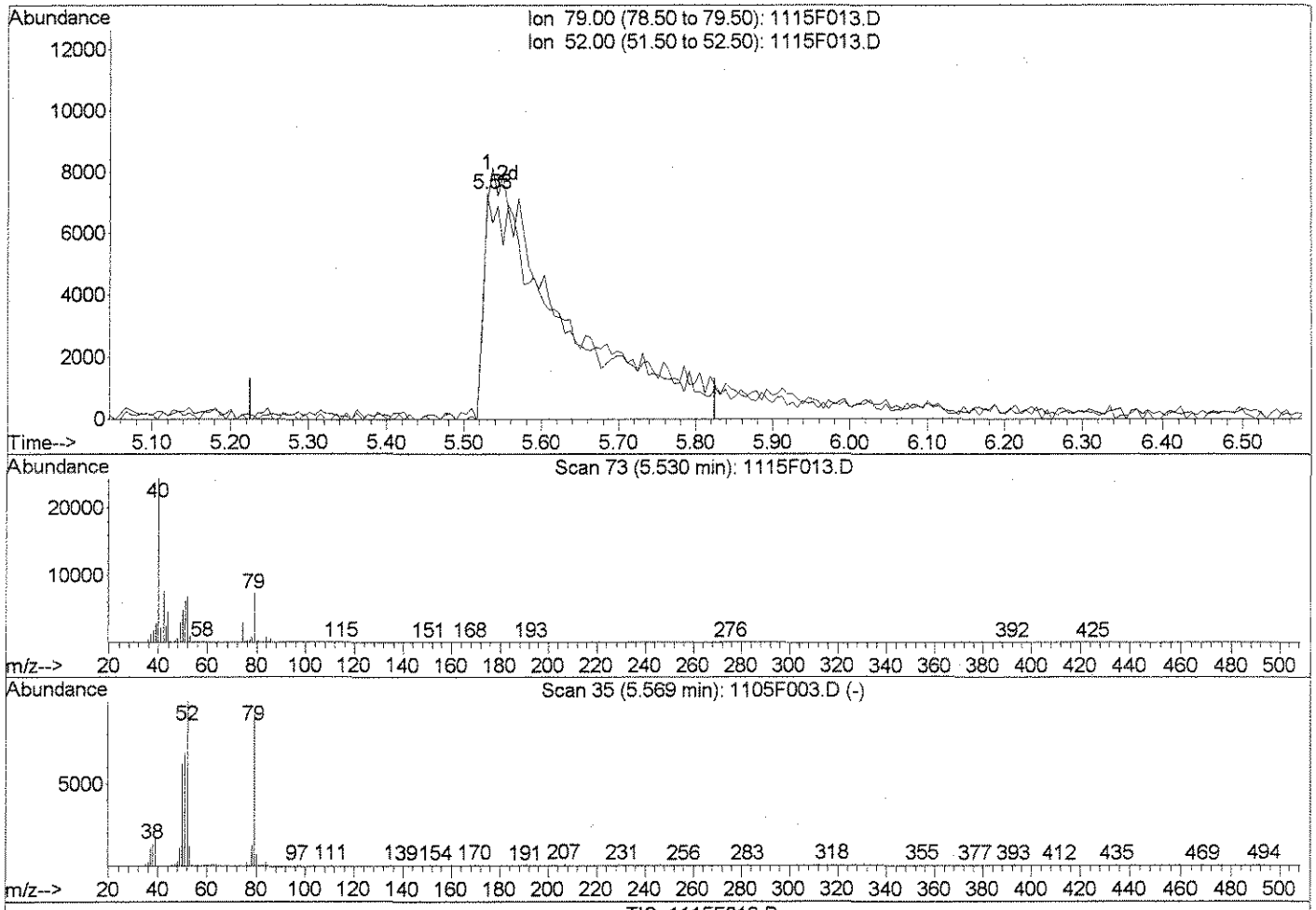
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	92.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 7:02 pm
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



(3) Pyridine (T)

5.53min 970.44ng/ml m

response 65525

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	95.30
0.00	0.00	0.00
0.00	0.00	0.00

1C

NOV 16 2010

CH 11.17.10

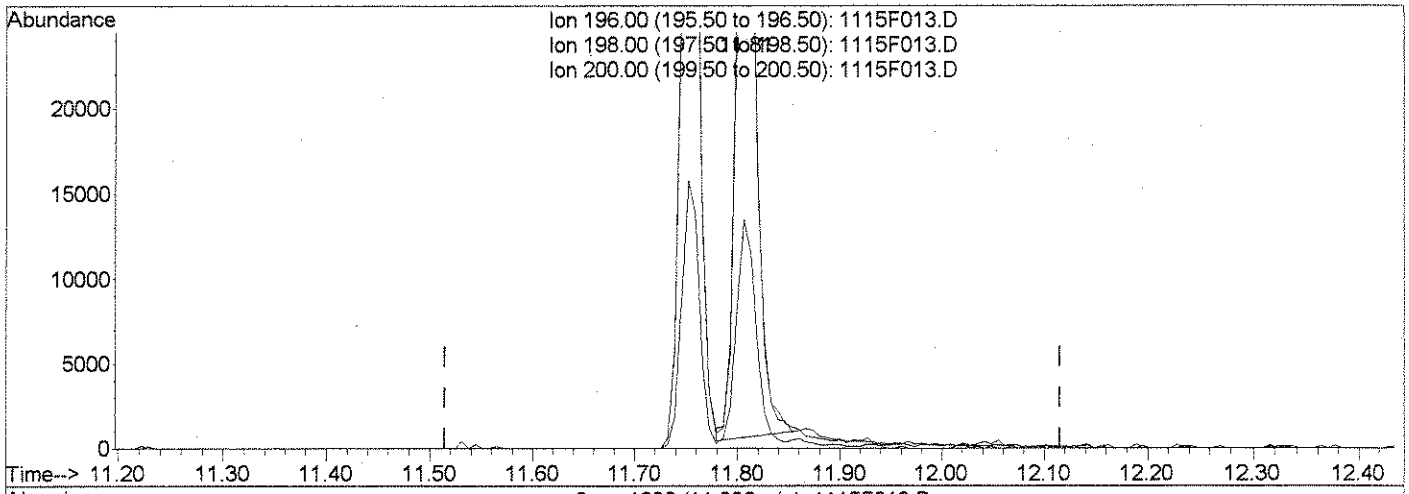
1115F013.D 111510_BNLL.M Tue Nov 16 08:39:56 2010

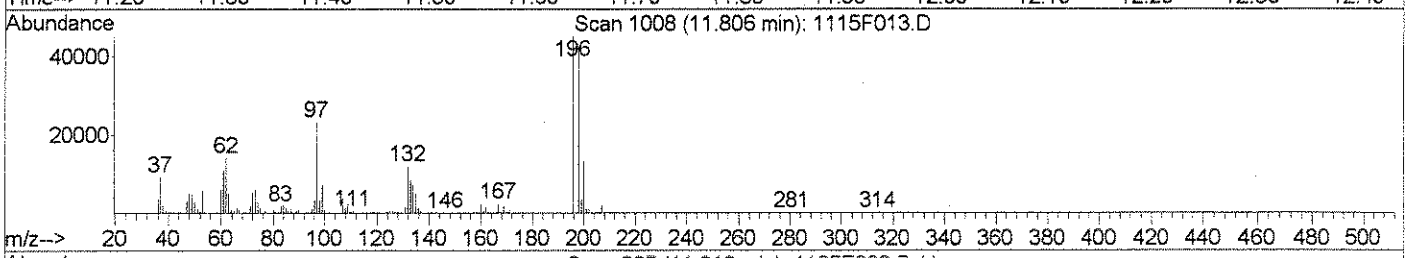
Quantitation Report (Qedit)

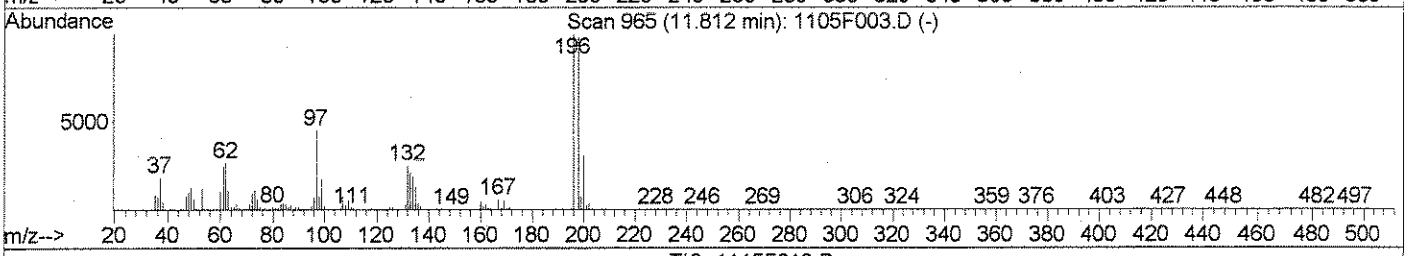
Data File : J:\MS06\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 7:02 pm
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F013.D

(39) 2,4,5-Trichlorophenol (T)

11.81min 1087.36ng/ml

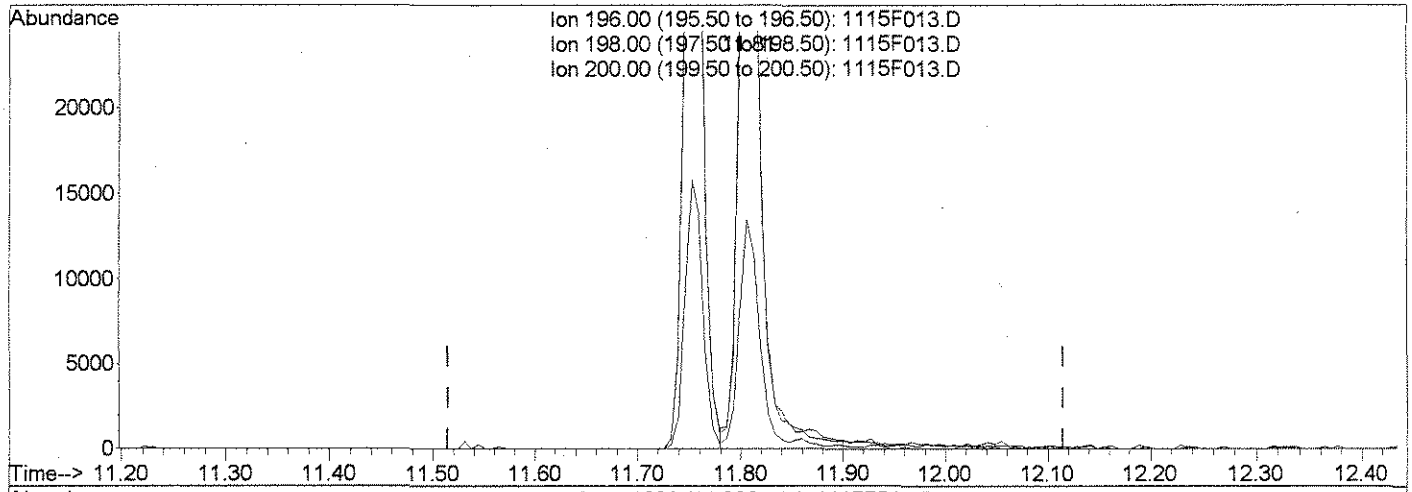
response 54782

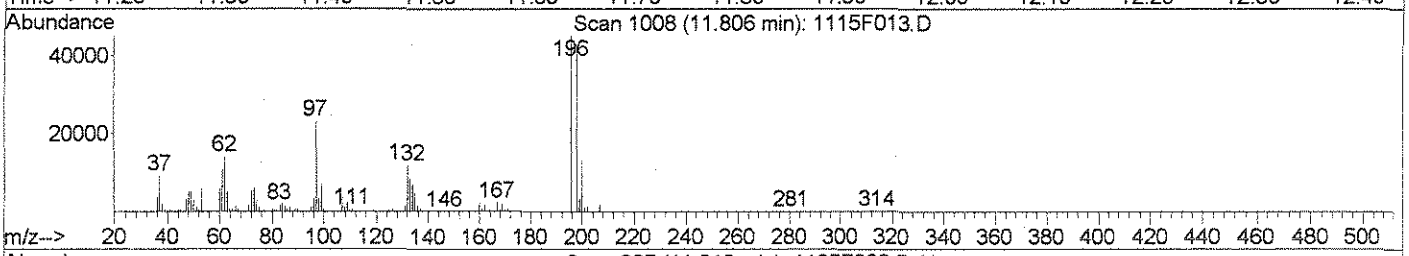
Ion	Exp%	Act%
196.00	100	100
198.00	98.80	94.25
200.00	30.30	29.83
0.00	0.00	0.00

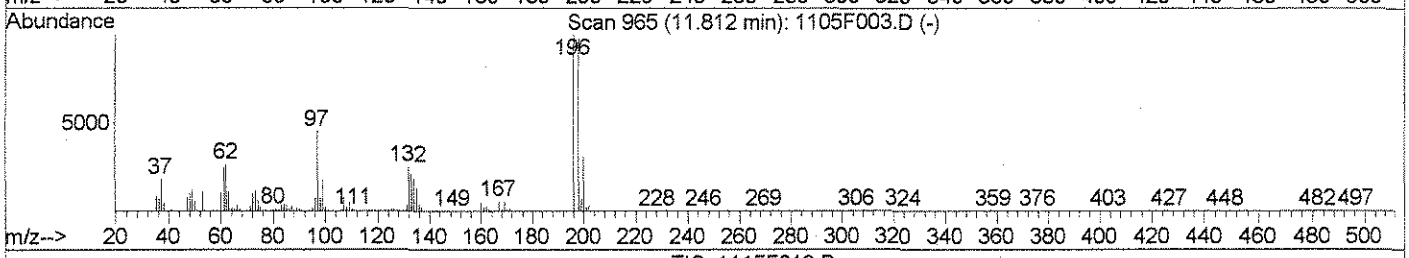
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:40 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F013.D

(39) 2,4,5-Trichlorophenol (T)

11.81min 1196.11ng/ml m

response 60261

Ion	Exp%	Act%
196.00	100	100
198.00	98.80	94.08
200.00	30.30	29.77
0.00	0.00	0.00

BL

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F014.D Vial: 10
Acq On : 15 Nov 2010 7:39 pm Operator: KBailey
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:00 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	70392	1000.00	ng/ml	-0.04
22) Naphthalene-d8	10.14	136	213831	1000.00	ng/ml	-0.02
36) Acenaphthene-d10	12.95	164	112054	1000.00	ng/ml	-0.02
60) Phenanthrene-d10	15.35	188	213245	1000.00	ng/ml	-0.02
70) Chrysene-d12	19.72	240	245131	1000.00	ng/ml	-0.02
79) Perylene-d12	23.14	264	216321	1000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	6.64	112	154043	2164.22	ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 110		Recovery = 57.71%			
6) Phenol-d6	7.81	99	182263	2109.91	ng/ml	-0.01
Spiked Amount 3750.000	Range 43 - 128		Recovery = 56.26%			
20) Nitrobenzene-d5	9.07	82	201962	2451.26	ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 98.05%			
40) 2-Fluorobiphenyl	11.90	172	389080	2470.14	ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 98.81%			
61) 2,4,6-Tribromophenol	14.24	330	80700	2336.27	ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 62.30%			
73) Terphenyl-d14	18.01	244	426352	2385.83	ng/ml	-0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 95.43%			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.45	42	207239m	2025.71	ng/ml	
3) Pyridine	5.47	79	140607m	1976.19	ng/ml	
5) Bis(2-chloroethyl) Ether	7.94	93	142688	1974.65	ng/ml	96
7) Phenol	7.82	94	199867	2192.56	ng/ml	73
8) Aniline	7.84	93	205921	2154.80	ng/ml#	80
9) 2-Chlorophenol	7.99	128	178805	1954.51	ng/ml	98
10) 1,3-Dichlorobenzene	8.19	146	219451	2040.48	ng/ml	96
11) 1,4-Dichlorobenzene	8.30	146	224384	2047.18	ng/ml	97
12) 1,2-Dichlorobenzene	8.51	146	203496	1961.40	ng/ml	96
13) Benzyl Alcohol	8.49	108	93339	1736.27	ng/ml	81
14) Bis(2-chloroisopropyl) Eth	8.69	45	294637	1645.55	ng/ml	91
15) 2-Methylphenol	8.66	107	126439	1966.57	ng/ml	90
16) Acetophenone	8.86	105	213284	1862.42	ng/ml	99
17) Hexachloroethane	8.98	117	91448	1864.68	ng/ml	85
18) N-Nitrosodi-n-propylamine	8.88	70	128125	2163.86	ng/ml	81
19) 4-Methylphenol	8.89	107	169994	1766.43	ng/ml	97
21) Nitrobenzene	9.10	77	193207	2366.16	ng/ml	92
23) Isophorone	9.47	82	315288	2231.85	ng/ml	96
24) 2-Nitrophenol	9.57	139	99564	2637.39	ng/ml	88
25) 2,4-Dimethylphenol	9.68	122	133614	2498.50	ng/ml	84

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

NOV 16 2010

2138

OH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F014.D Vial: 10
Acq On : 15 Nov 2010 7:39 pm Operator: KBailey
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:00 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.83	93	155598	2085.81 ng/ml	96
27)	2,4-Dichlorophenol	9.95	162	149607	2172.14 ng/ml	96
28)	Benzoic Acid	9.88	122	55875	1832.33 ng/ml#	72
29)	1,2,4-Trichlorobenzene	10.06	180	195302	2500.38 ng/ml	98
30)	Naphthalene	10.18	128	456469	1964.46 ng/ml	99
31)	4-Chloroaniline	10.29	127	200751	1924.32 ng/ml	92
32)	Hexachlorobutadiene	10.39	225	152870	2717.18 ng/ml	98
33)	4-Chloro-3-methylphenol	11.10	107	152201	2137.82 ng/ml	78
34)	2-Methylnaphthalene	11.28	141	260629	1749.44 ng/ml	95
35)	1-Methylnaphthalene	11.43	141	263288	1782.42 ng/ml	95
37)	Hexachlorocyclopentadiene	11.54	237	154655	3038.71 ng/ml	99
38)	2,4,6-Trichlorophenol	11.76	196	124422	2642.26 ng/ml	95
39)	2,4,5-Trichlorophenol	11.81	196	132472	2477.00 ng/ml	97
41)	2-Chloronaphthalene	12.05	127	128189	2368.50 ng/ml	95
42)	2-Nitroaniline	12.25	65	114972	2465.54 ng/ml	87
43)	Acenaphthylene	12.72	152	469152	2100.47 ng/ml	99
44)	Dimethyl Phthalate	12.60	163	359010	2088.58 ng/ml	98
45)	2,6-Dinitrotoluene	12.68	165	88189	2347.43 ng/ml	92
46)	Acenaphthene	13.00	154	258197	1898.75 ng/ml	99
47)	3-Nitroaniline	12.93	138	87153	2049.33 ng/ml	89
48)	2,4-Dinitrophenol	13.11	184	43520	2538.49 ng/ml	90
49)	Dibenzofuran	13.29	168	428070	2002.65 ng/ml	85
50)	4-Nitrophenol	13.27	109	68280	2386.57 ng/ml	86
51)	2,4-Dinitrotoluene	13.32	165	127837	2384.64 ng/ml	95
52)	2,3,4,6-Tetrachlorophenol	13.51	232	127806	2560.91 ng/ml	91
53)	Fluorene	13.84	166	336787	2048.58 ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.88	204	203948	2345.94 ng/ml	94
55)	Diethyl Phthalate	13.76	149	371725	1944.60 ng/ml	97
56)	4-Nitroaniline	13.92	138	84209	2059.69 ng/ml#	76
57)	2-Methyl-4,6-dinitrophenol	13.98	198	77209	2577.04 ng/ml	79
58)	N-Nitrosodiphenylamine	14.09	169	245023	2093.40 ng/ml	97
59)	Azobenzene	14.14	77	368813	2099.52 ng/ml	97
62)	4-Bromophenyl Phenyl Ether	14.67	248	133089	2202.37 ng/ml	98
63)	Hexachlorobenzene	14.73	284	145172	2107.17 ng/ml	93
64)	Pentachlorophenol	15.08	266	84870	2047.75 ng/ml	96
65)	Phenanthrene	15.39	178	455288	1719.61 ng/ml	98
66)	Anthracene	15.48	178	476566	1729.15 ng/ml	96
67)	Carbazole	15.78	167	421160	1763.27 ng/ml	97
68)	Di-n-butyl Phthalate	16.43	149	580730	1640.34 ng/ml	100
69)	Fluoranthene	17.33	202	576256	1927.23 ng/ml	96
71)	Benzidine	17.61	184	304837	2864.71 ng/ml	96

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F014.D Vial: 10
Acq On : 15 Nov 2010 7:39 pm Operator: KBailey
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:00 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72)	Pyrene	17.69	202	584370	2194.95	ng/ml	98
74)	Butyl Benzyl Phthalate	18.86	149	253759	1770.61	ng/ml	89
75)	3,3'-Dichlorobenzidine	19.71	252	237099	2256.67	ng/ml	96
76)	Benz(a)anthracene	19.70	228	549275	2114.50	ng/ml	99
77)	Chrysene	19.76	228	548766	2181.64	ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.93	149	331552	1663.29	ng/ml	88
80)	Di-n-octyl Phthalate	21.44	149	544623	1709.15	ng/ml	97
81)	Benzo(b)fluoranthene	22.15	252	496159	2072.42	ng/ml	95
82)	Benzo(k)fluoranthene	22.23	252	537588	2161.87	ng/ml	95
83)	Benzo(a)pyrene	22.99	252	424216	1971.93	ng/ml	95
84)	Indeno(1,2,3-cd)pyrene	25.54	276	376360	1993.14	ng/ml	90
85)	Dibenz(a,h)anthracene	25.62	278	398585	2020.10	ng/ml	90
86)	Benzo(g,h,i)perylene	26.03	276	416457	1982.26	ng/ml	87

NOV 16 2010

CH 11.17.10

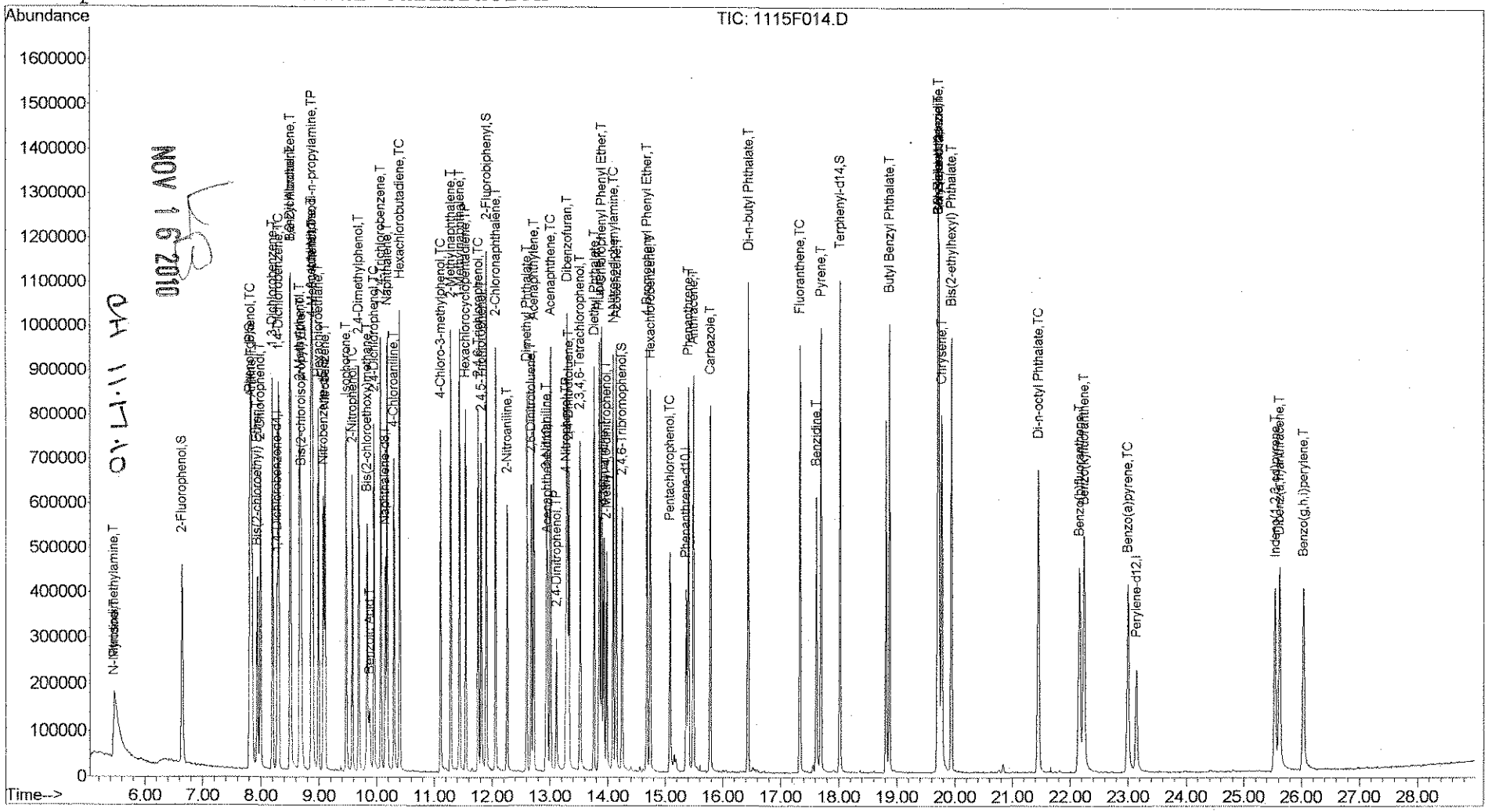
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS06\DATA\111510\1115F014.D
Acq On : 15 Nov 2010 7:39 pm
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:41 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



NOV 16 2010

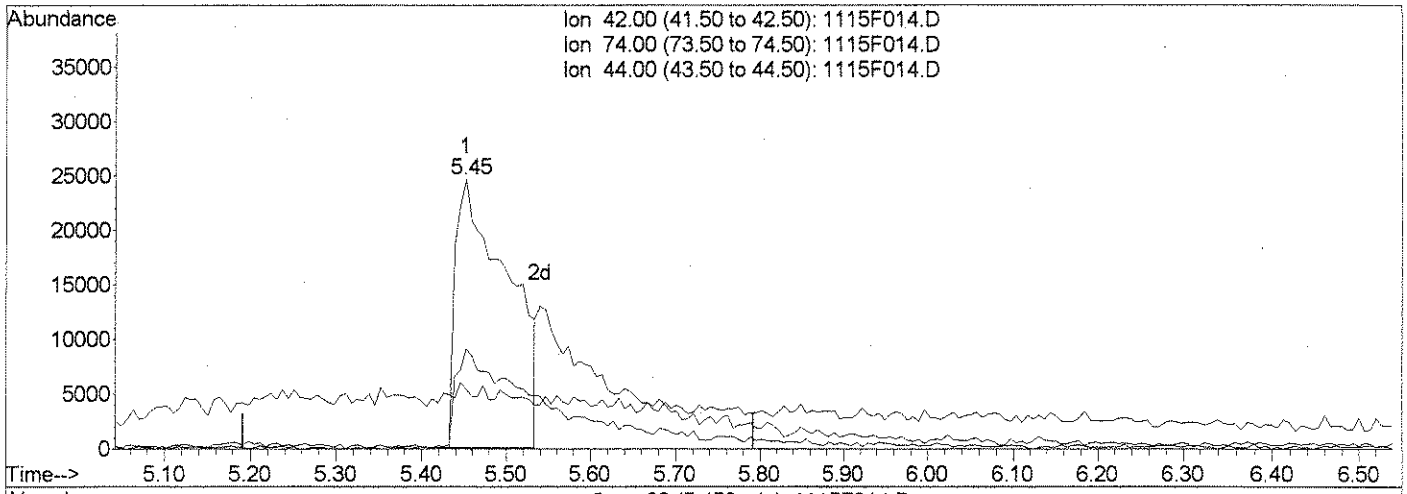
2141

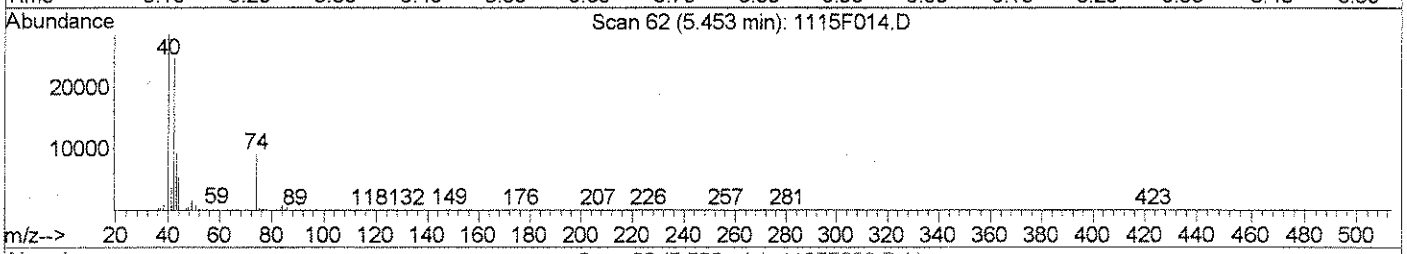
Quantitation Report (Qedit)

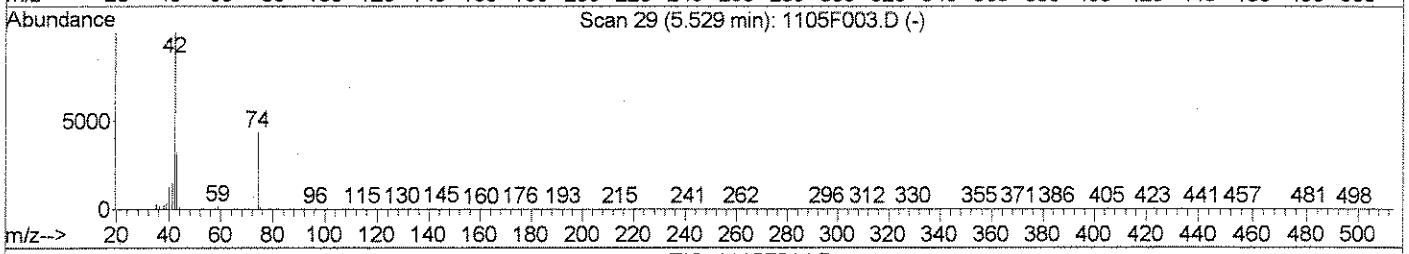
Data File : J:\MS06\DATA\111510\1115F014.D
Acq On : 15 Nov 2010 7:39 pm
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F014.D

(2) N-Nitrosodimethylamine (T)

5.45min 1031.73ng/ml

response 105550

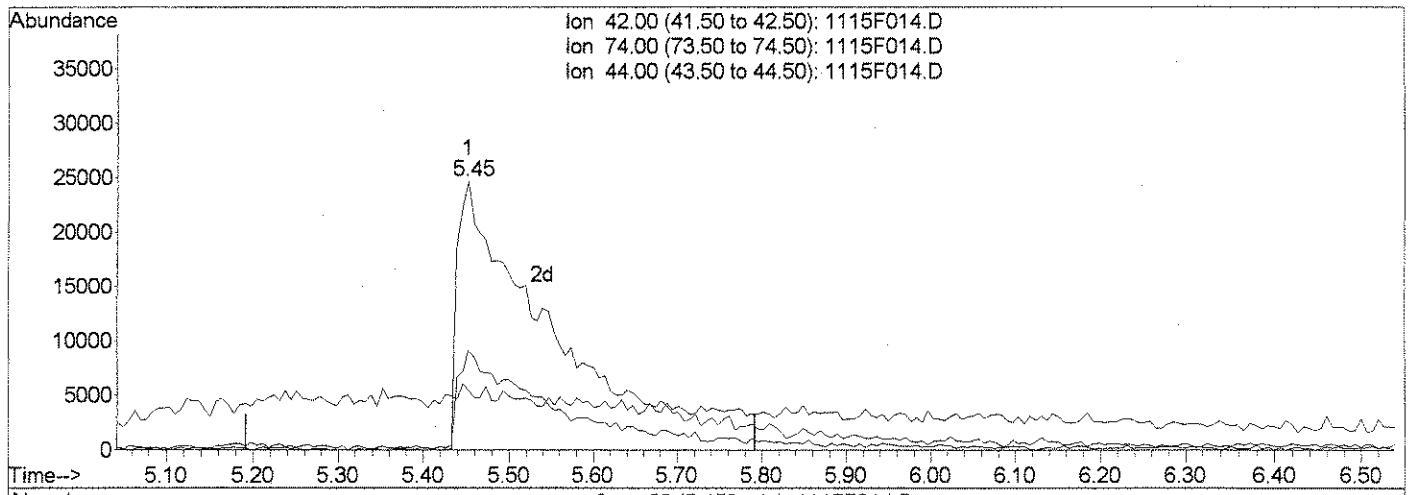
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	37.06
44.00	6.60	5.81
0.00	0.00	0.00

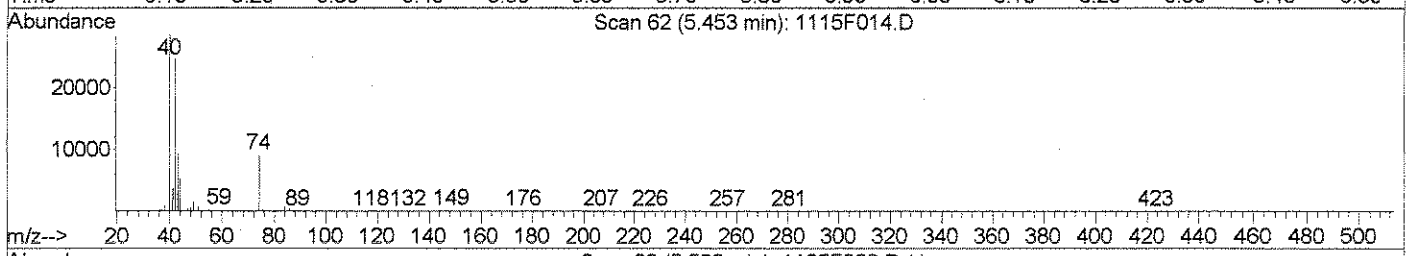
Quantitation Report (Qedit)

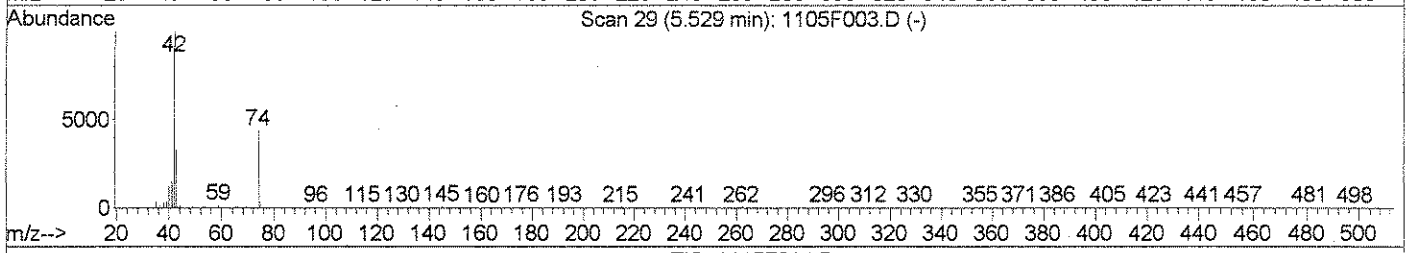
Data File : J:\MS06\DATA\111510\1115F014.D
Acq On : 15 Nov 2010 7:39 pm
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:40 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F014.D

(2) N-Nitrosodimethylamine (T)

5.45min 2025.71ng/ml m

response 207239

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	36.88
44.00	6.60	22.01
0.00	0.00	0.00

1C

NOV 16 2010

CH 11.17.10

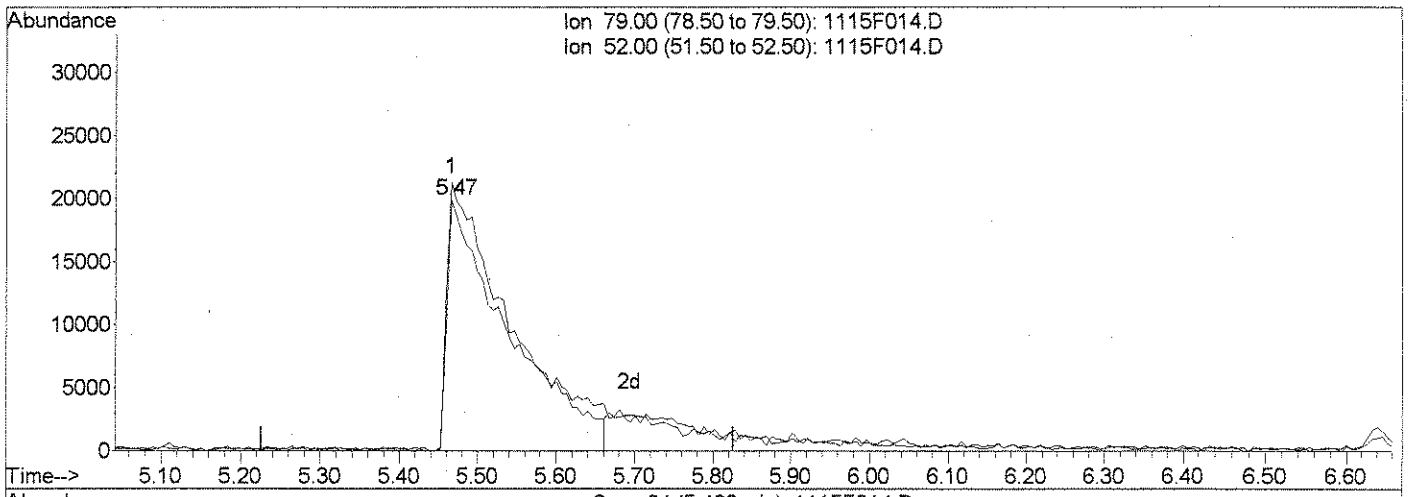
1115F014.D 111510_BNLL.M Tue Nov 16 08:40:57 2010

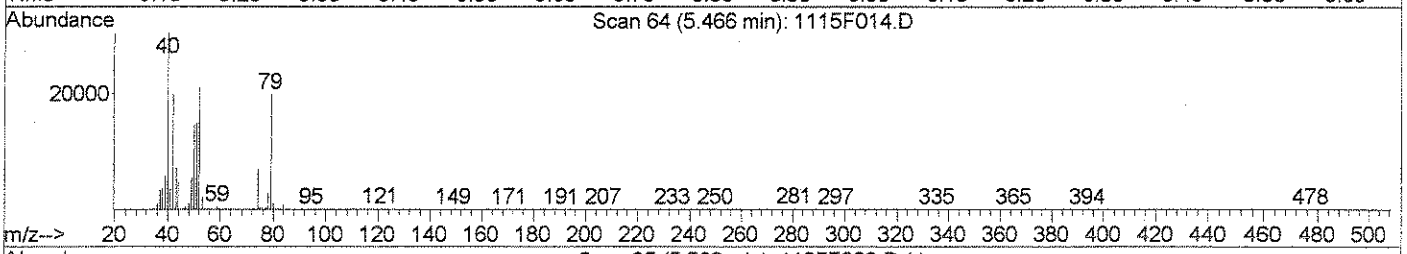
Quantitation Report (Qedit)

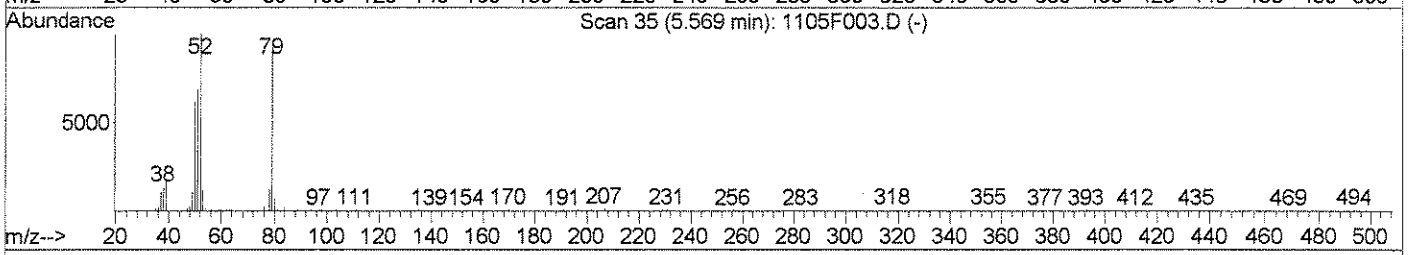
Data File : J:\MS06\DATA\111510\1115F014.D
Acq On : 15 Nov 2010 7:39 pm
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:40 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F014.D

(3) Pyridine (T)

5.47min 1522.35ng/ml

response 108316

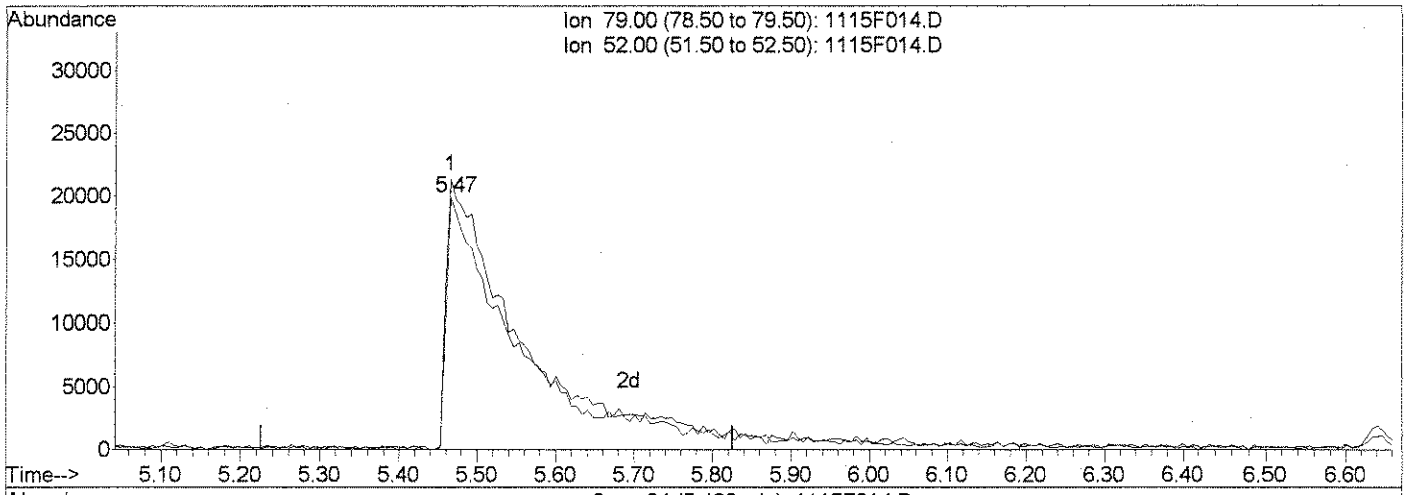
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	107.12
0.00	0.00	0.00
0.00	0.00	0.00

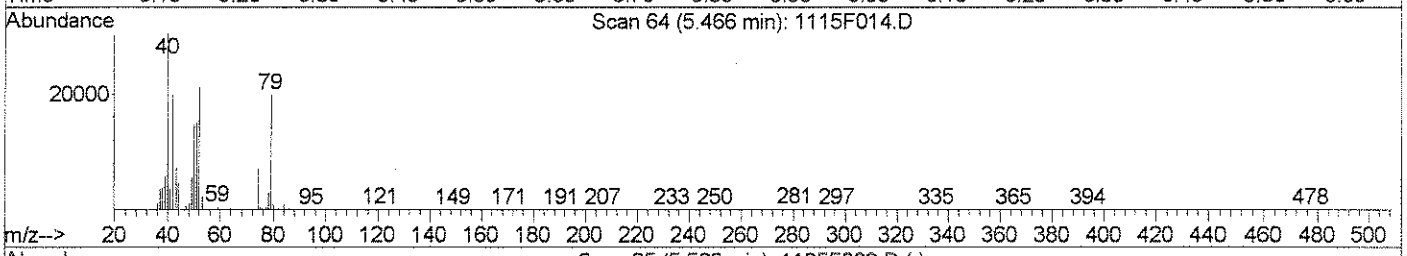
Quantitation Report (Qedit)

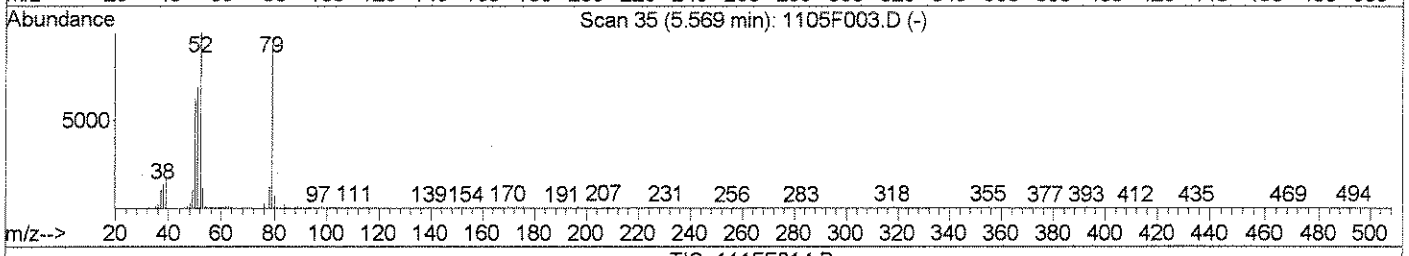
Data File : J:\MS06\DATA\111510\1115F014.D
Acq On : 15 Nov 2010 7:39 pm
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:41 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F014.D

10

(3) Pyridine (T)

5.47min 1976.19ng/ml m

response 140607

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	107.12
0.00	0.00	0.00
0.00	0.00	0.00

LB
NOV 16 2010

CH 11.17.10

1115F014.D 111510_BNLL.M Tue Nov 16 08:41:05 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F015.D Vial: 11
Acq On : 15 Nov 2010 8:17 pm Operator: KBailey
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:01 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	71417	1000.00 ng/ml	-0.04
22) Naphthalene-d8	10.15	136	219693	1000.00 ng/ml	-0.02
36) Acenaphthene-d10	12.95	164	114890	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.36	188	223682	1000.00 ng/ml	-0.02
70) Chrysene-d12	19.72	240	270570	1000.00 ng/ml	-0.02
79) Perylene-d12	23.14	264	233962	1000.00 ng/ml	-0.02
System Monitoring Compounds					
4) 2-Fluorophenol	6.64	112	237260	3285.53 ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 110		Recovery = 87.61%		
6) Phenol-d6	7.81	99	279734	3191.77 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 85.11%		
20) Nitrobenzene-d5	9.07	82	304218	3639.38 ng/ml	-0.02
Spiked Amount 2500.000	Range 30 - 139		Recovery = 145.58%#		
40) 2-Fluorobiphenyl	11.90	172	587548	3638.07 ng/ml	-0.02
Spiked Amount 2500.000	Range 37 - 126		Recovery = 145.52%#		
61) 2,4,6-Tribromophenol	14.24	330	126469	3490.45 ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 93.08%		
73) Terphenyl-d14	18.02	244	667806	3385.64 ng/ml	-0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 135.43%		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.42	42	335752m	3234.80 ng/ml	
3) Pyridine	5.45	79	236828m	3280.77 ng/ml	
5) Bis(2-chloroethyl) Ether	7.93	93	210886	2876.55 ng/ml	94
7) Phenol	7.83	94	300306	3247.11 ng/ml#	63
8) Aniline	7.84	93	311626	3214.12 ng/ml#	53
9) 2-Chlorophenol	7.99	128	273150	2942.94 ng/ml	95
10) 1,3-Dichlorobenzene	8.20	146	325558	2983.62 ng/ml	95
11) 1,4-Dichlorobenzene	8.30	146	324529	2918.36 ng/ml	97
12) 1,2-Dichlorobenzene	8.50	146	303933	2887.42 ng/ml	95
13) Benzyl Alcohol	8.50	108	146752	2690.67 ng/ml	88
14) Bis(2-chloroisopropyl) Eth	8.69	45	447292	2462.28 ng/ml	91
15) 2-Methylphenol	8.67	107	194865	2987.33 ng/ml	89
16) Acetophenone	8.86	105	318205	2738.72 ng/ml	99
17) Hexachloroethane	8.99	117	136504	2743.45 ng/ml	77
18) N-Nitrosodi-n-propylamine	8.88	70	192330	3201.58 ng/ml	85
19) 4-Methylphenol	8.89	107	255198	2613.74 ng/ml	96
21) Nitrobenzene	9.10	77	291487	3518.53 ng/ml	92
23) Isophorone	9.47	82	493528	3400.35 ng/ml	97
24) 2-Nitrophenol	9.58	139	152040	3919.99 ng/ml	84
25) 2,4-Dimethylphenol	9.69	122	203604	3705.69 ng/ml	85

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F015.D Vial: 11
Acq On : 15 Nov 2010 8:17 pm Operator: KBailey
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:01 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
26) Bis(2-chloroethoxy)methane	9.83	93	240072	3132.32	ng/ml	97
27) 2,4-Dichlorophenol	9.95	162	229287	3240.19	ng/ml	95
28) Benzoic Acid	9.91	122	102147	2697.19	ng/ml	88
29) 1,2,4-Trichlorobenzene	10.07	180	288205	3591.33	ng/ml	99
30) Naphthalene	10.18	128	683789	2864.23	ng/ml	99
31) 4-Chloroaniline	10.30	127	296100	2762.56	ng/ml	89
32) Hexachlorobutadiene	10.40	225	229231	3965.74	ng/ml	98
33) 4-Chloro-3-methylphenol	11.11	107	229863	3142.51	ng/ml	75
34) 2-Methylnaphthalene	11.28	141	390599	2551.90	ng/ml	94
35) 1-Methylnaphthalene	11.44	141	400434	2638.55	ng/ml	94
37) Hexachlorocyclopentadiene	11.54	237	244442	4684.31	ng/ml	98
38) 2,4,6-Trichlorophenol	11.76	196	192944	3996.26	ng/ml	98
39) 2,4,5-Trichlorophenol	11.81	196	212847	3881.64	ng/ml	94
41) 2-Chloronaphthalene	12.06	127	196981	3549.71	ng/ml	96
42) 2-Nitroaniline	12.26	65	176813	3650.82	ng/ml	86
43) Acenaphthylene	12.72	152	712507	3111.27	ng/ml	99
44) Dimethyl Phthalate	12.60	163	555709	3153.09	ng/ml	99
45) 2,6-Dinitrotoluene	12.68	165	140041	3527.26	ng/ml	90
46) Acenaphthene	13.01	154	399401	2864.65	ng/ml	99
47) 3-Nitroaniline	12.94	138	134266	3030.34	ng/ml	96
48) 2,4-Dinitrophenol	13.11	184	76672	3854.04	ng/ml	81
49) Dibenzofuran	13.29	168	651213	2971.38	ng/ml	86
50) 4-Nitrophenol	13.28	109	115777	3946.83	ng/ml#	80
51) 2,4-Dinitrotoluene	13.33	165	192759	3451.43	ng/ml	96
52) 2,3,4,6-Tetrachlorophenol	13.52	232	201328	3849.71	ng/ml	90
53) Fluorene	13.85	166	513830	3048.33	ng/ml	97
54) 4-Chlorophenyl Phenyl Ethe	13.89	204	310184	3479.86	ng/ml	95
55) Diethyl Phthalate	13.76	149	571213	2914.42	ng/ml	98
56) 4-Nitroaniline	13.93	138	135444	3231.08	ng/ml	79
57) 2-Methyl-4,6-dinitrophenol	13.98	198	124014	3865.43	ng/ml	97
58) N-Nitrosodiphenylamine	14.09	169	380232	3168.39	ng/ml	98
59) Azobenzene	14.14	77	572223	3177.05	ng/ml	95
62) 4-Bromophenyl Phenyl Ether	14.67	248	207044	3266.32	ng/ml	96
63) Hexachlorobenzene	14.73	284	224476	3106.23	ng/ml	93
64) Pentachlorophenol	15.08	266	141598	3147.42	ng/ml	97
65) Phenanthrene	15.40	178	699156	2517.47	ng/ml	99
66) Anthracene	15.49	178	743428	2571.55	ng/ml	98
67) Carbazole	15.78	167	655558	2616.56	ng/ml	98
68) Di-n-butyl Phthalate	16.44	149	896894	2415.17	ng/ml	99
69) Fluoranthene	17.33	202	900908	2872.41	ng/ml	95
71) Benzidine	17.61	184	475299	4046.68	ng/ml	97

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

NOV 1 6 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F015.D Vial: 11
Acq On : 15 Nov 2010 8:17 pm Operator: KBailey
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:01 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72)	Pyrene	17.69	202	906494	3084.75	ng/ml	98
74)	Butyl Benzyl Phthalate	18.87	149	399579	2525.93	ng/ml	87
75)	3,3'-Dichlorobenzidine	19.71	252	384509	3315.61	ng/ml	95
76)	Benz(a)anthracene	19.70	228	886318	3091.19	ng/ml	98
77)	Chrysene	19.78	228	864926	3115.26	ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.94	149	533899	2426.57	ng/ml	89
80)	Di-n-octyl Phthalate	21.45	149	874941	2480.43	ng/ml	96
81)	Benzo(b)fluoranthene	22.16	252	805604	3111.22	ng/ml	94
82)	Benzo(k)fluoranthene	22.25	252	864315	3213.70	ng/ml	95
83)	Benzo(a)pyrene	23.01	252	692650	2976.95	ng/ml	93
84)	Indeno(1,2,3-cd)pyrene	25.55	276	611971	2996.53	ng/ml	92
85)	Dibenz(a,h)anthracene	25.63	278	651782	3054.27	ng/ml	92
86)	Benzo(g,h,i)perylene	26.05	276	674043	2966.42	ng/ml	88

LB
NOV 16 2010

CH 11.17.10

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

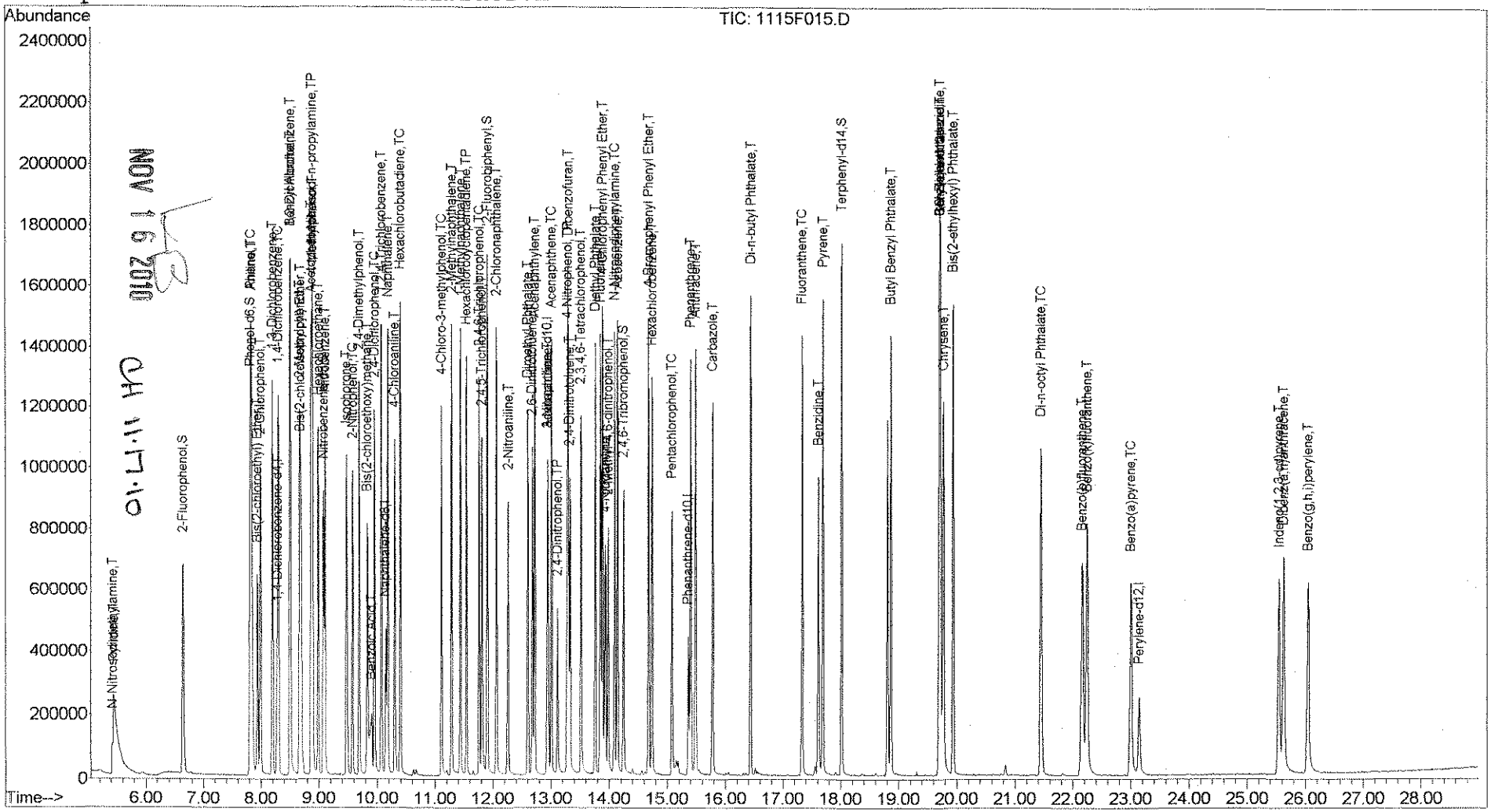
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F015.D
Acq On : 15 Nov 2010 8:17 pm
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:42 2010

Vial: 11
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



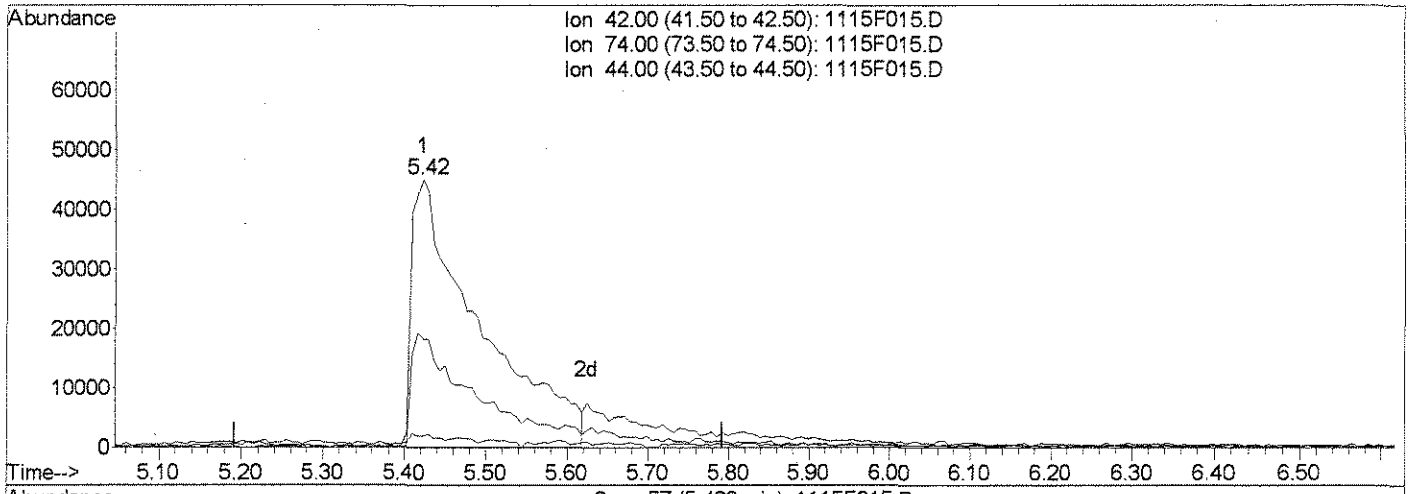
2149

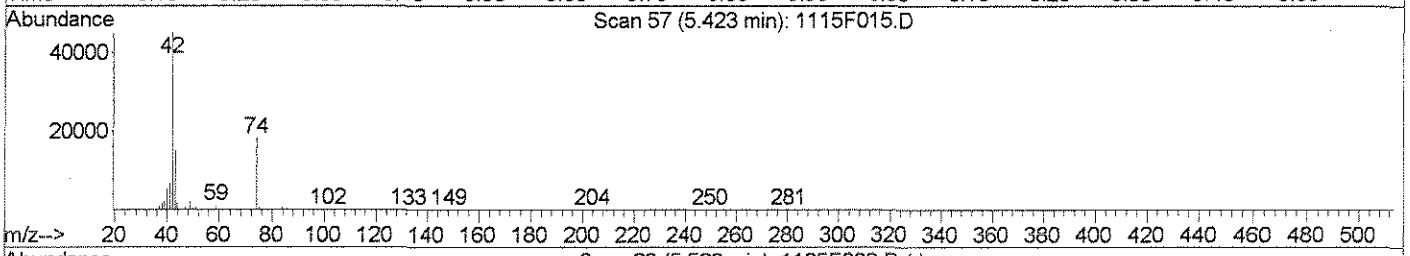
Quantitation Report (Qedit)

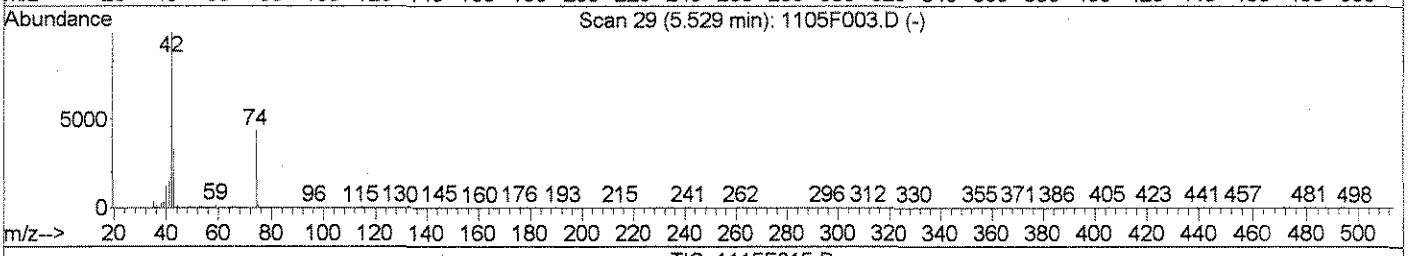
Data File : J:\MS06\DATA\111510\1115F015.D
Acq On : 15 Nov 2010 8:17 pm
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 11
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F015.D

(2) N-Nitrosodimethylamine (T)

5.42min 2493.76ng/ml

response 258837

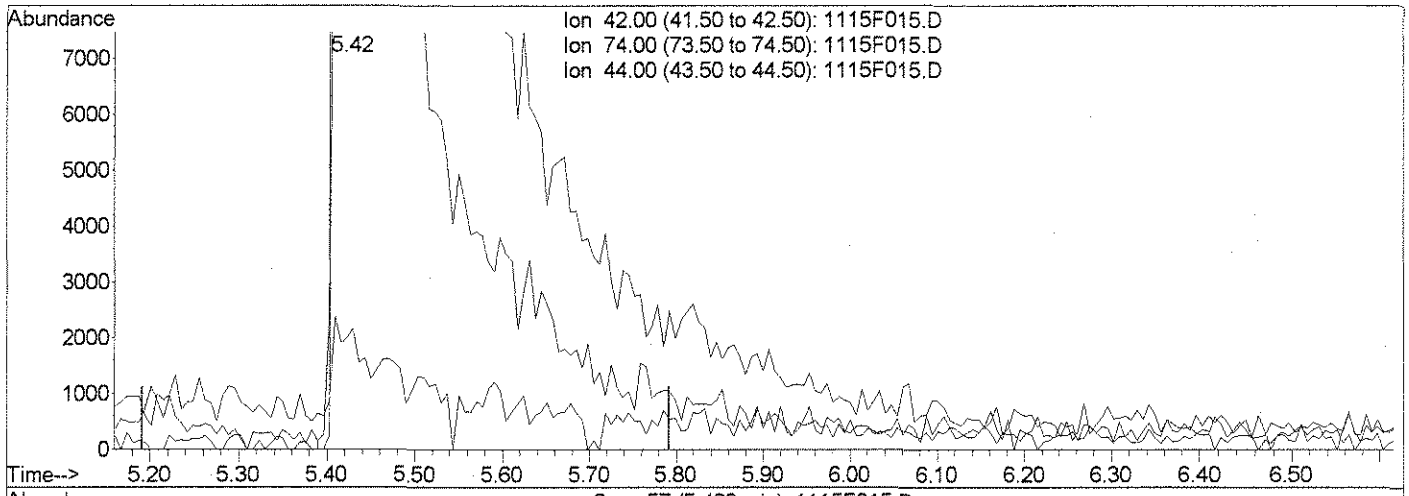
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	40.26
44.00	6.60	3.12
0.00	0.00	0.00

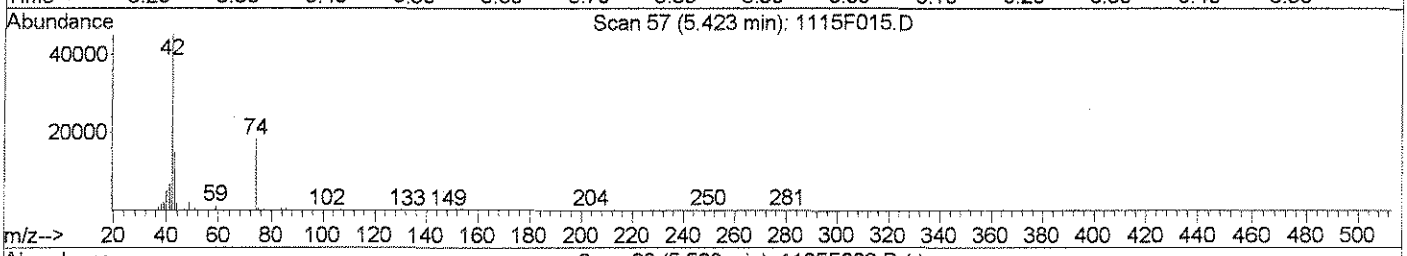
Quantitation Report (Qedit)

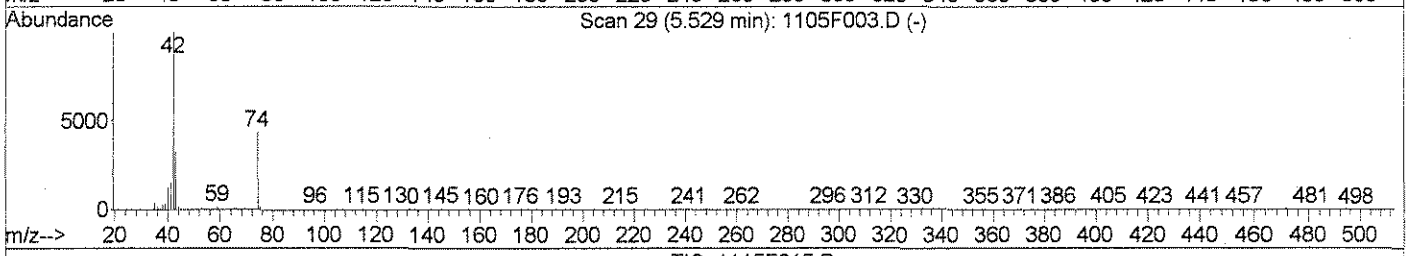
Data File : J:\MS06\DATA\111510\1115F015.D
Acq On : 15 Nov 2010 8:17 pm
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:42 2010

Vial: 11
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F015.D

(2) N-Nitrosodimethylamine (T)

5.42min 3234.80ng/ml m

response 335752

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	40.47
44.00	6.60	4.43
0.00	0.00	0.00

1C

LB
NOV 16 2010
CH 11.17.10

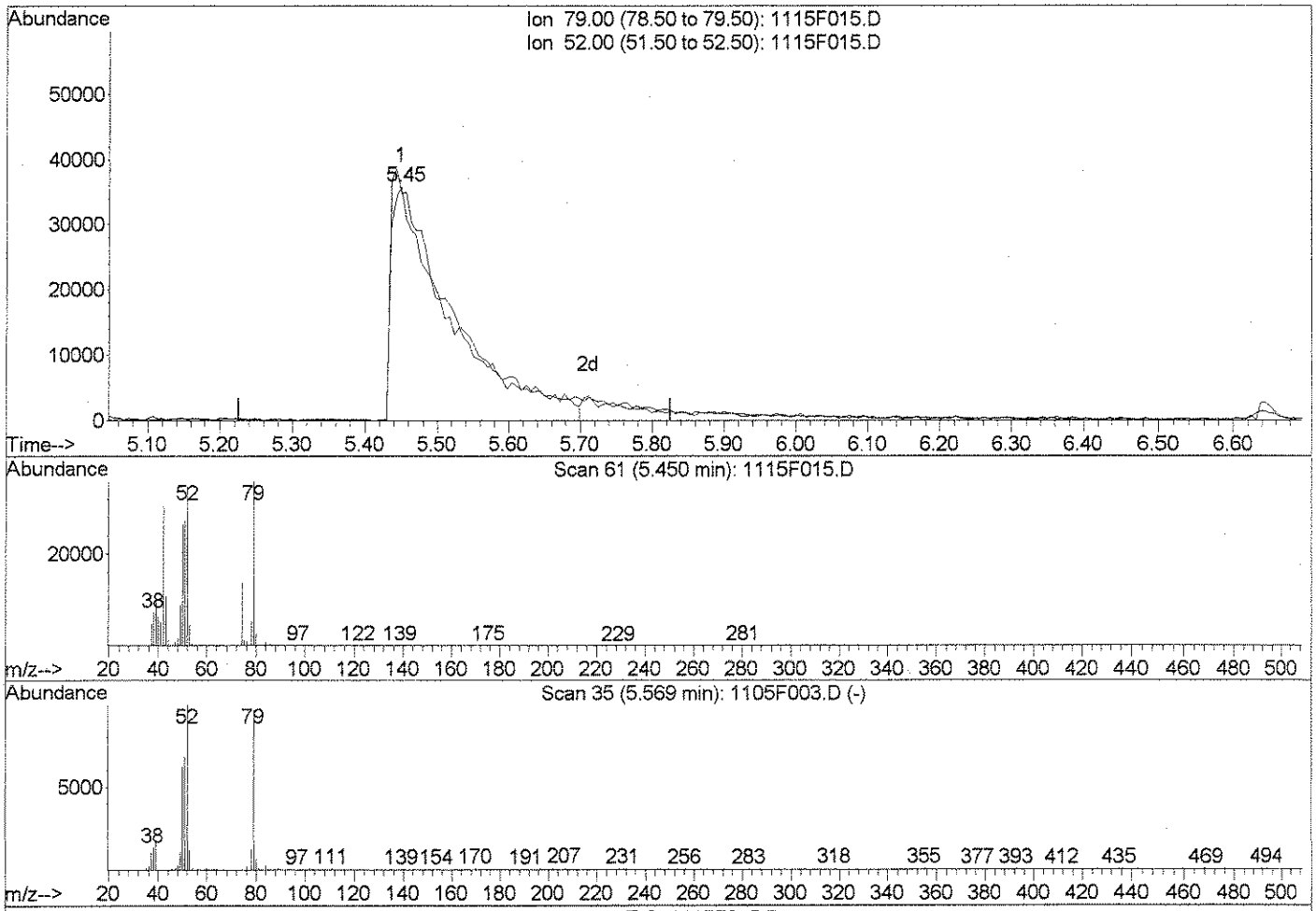
1115F015.D 111510_BNLL.M Tue Nov 16 08:42:08 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F015.D
Acq On : 15 Nov 2010 8:17 pm
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:42 2010

Vial: 11
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



TIC: 1115F015.D

(3) Pyridine (T)

5.45min 2793.11ng/ml

response 201625

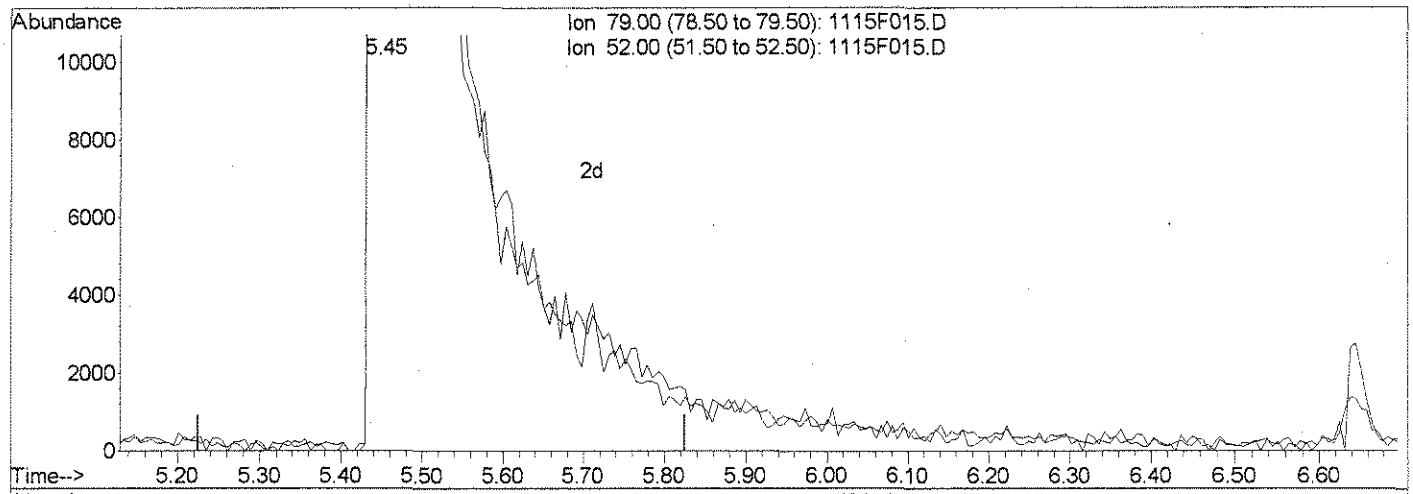
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	96.56
0.00	0.00	0.00
0.00	0.00	0.00

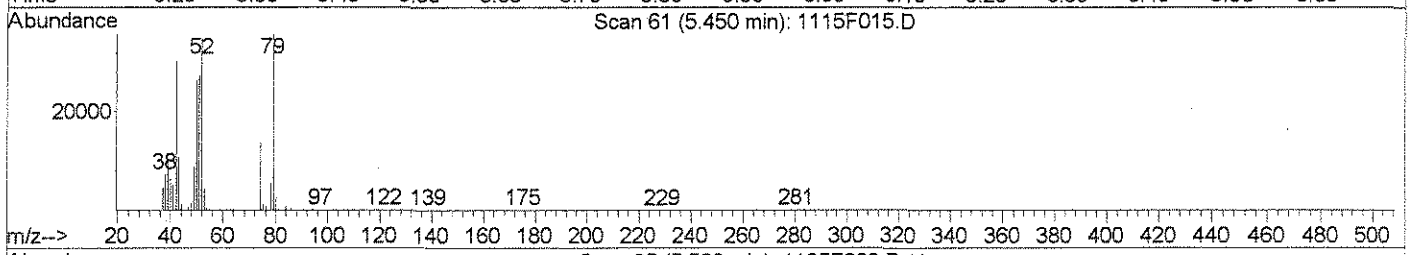
Quantitation Report (Qedit)

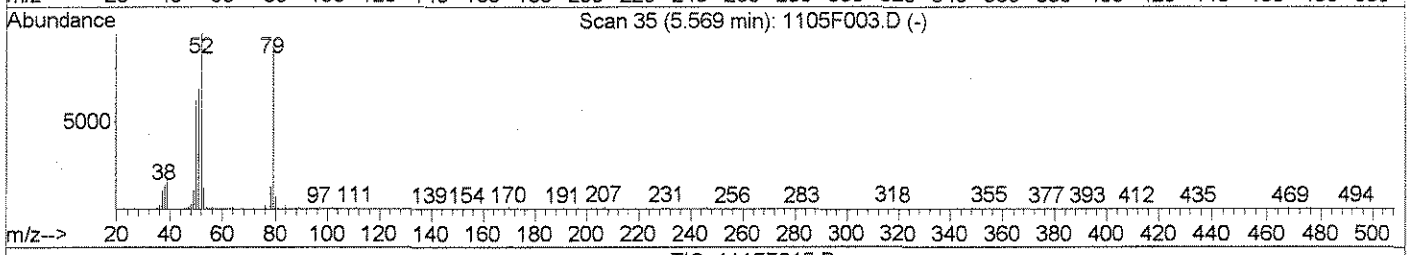
Data File : J:\MS06\DATA\111510\1115F015.D
Acq On : 15 Nov 2010 8:17 pm
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:42 2010

Vial: 11
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F015.D

(3) Pyridine (T)

5.45min 3280.77ng/ml m

response 236828

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	97.05
0.00	0.00	0.00
0.00	0.00	0.00

1c

LB
NOV 16 2010
CH 11·17·10

1115F015.D 111510_BNLL.M Tue Nov 16 08:42:19 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F016.D Vial: 12
Acq On : 15 Nov 2010 8:54 pm Operator: KBailey
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:02 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	69864	1000.00 ng/ml	-0.03
22) Naphthalene-d8	10.15	136	218596	1000.00 ng/ml	-0.01
36) Acenaphthene-d10	12.95	164	113343	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.36	188	225625	1000.00 ng/ml	-0.01
70) Chrysene-d12	19.73	240	273733	1000.00 ng/ml	0.00
79) Perylene-d12	23.15	264	229063	1000.00 ng/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	6.65	112	391332	5539.56 ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 110		Recovery = 147.72%#		
6) Phenol-d6	7.82	99	439964	5131.59 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 136.84%#		
20) Nitrobenzene-d5	9.08	82	494221	6043.82 ng/ml	-0.02
Spiked Amount 2500.000	Range 30 - 139		Recovery = 241.75%#		
40) 2-Fluorobiphenyl	11.90	172	959935	6025.01 ng/ml	-0.02
Spiked Amount 2500.000	Range 37 - 126		Recovery = 241.00%#		
61) 2,4,6-Tribromophenol	14.25	330	213449	5840.29 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 155.74%		
73) Terphenyl-d14	18.02	244	1122927	5627.22 ng/ml	-0.01
Spiked Amount 2500.000	Range 54 - 158		Recovery = 225.09%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.39	42	583571m	5747.38 ng/ml	
3) Pyridine	5.43	79	404955m	5734.53 ng/ml	
5) Bis(2-chloroethyl) Ether	7.94	93	341981	4768.41 ng/ml	96
7) Phenol	7.84	94	479987	5305.31 ng/ml#	43
8) Aniline	7.85	93	508863	5365.09 ng/ml#	71
9) 2-Chlorophenol	8.00	128	441200	4859.19 ng/ml	93
10) 1,3-Dichlorobenzene	8.20	146	524113	4910.08 ng/ml	97
11) 1,4-Dichlorobenzene	8.31	146	538642	4951.46 ng/ml	96
12) 1,2-Dichlorobenzene	8.51	146	486199	4721.65 ng/ml	97
13) Benzyl Alcohol	8.50	108	232405	4355.82 ng/ml	79
14) Bis(2-chloroisopropyl) Eth	8.69	45	712673	4010.37 ng/ml	90
15) 2-Methylphenol	8.67	107	310200	4861.15 ng/ml	86
16) Acetophenone	8.87	105	511936	4504.06 ng/ml	99
17) Hexachloroethane	8.98	117	223000	4581.47 ng/ml	89
18) N-Nitrosodi-n-propylamine	8.89	70	307772	5237.15 ng/ml	86
19) 4-Methylphenol	8.90	107	409990	4292.47 ng/ml	95
21) Nitrobenzene	9.11	77	480420	5928.05 ng/ml	92
23) Isophorone	9.49	82	797227	5520.36 ng/ml	98
24) 2-Nitrophenol	9.58	139	248203	6431.43 ng/ml	85
25) 2,4-Dimethylphenol	9.69	122	331205	6058.34 ng/ml	87

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

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F016.D Vial: 12
Acq On : 15 Nov 2010 8:54 pm Operator: KBailey
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:02 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.84	93	381690	5005.06 ng/ml	97
27)	2,4-Dichlorophenol	9.96	162	369005	5240.80 ng/ml	94
28)	Benzoic Acid	9.96	122	187806	4263.15 ng/ml#	84
29)	1,2,4-Trichlorobenzene	10.07	180	468327	5865.12 ng/ml	99
30)	Naphthalene	10.18	128	1095989	4613.87 ng/ml	98
31)	4-Chloroaniline	10.31	127	483965	4537.97 ng/ml	94
32)	Hexachlorobutadiene	10.40	225	376321	6543.09 ng/ml	98
33)	4-Chloro-3-methylphenol	11.11	107	380766	5231.66 ng/ml	75
34)	2-Methylnaphthalene	11.29	141	642147	4216.39 ng/ml	95
35)	1-Methylnaphthalene	11.44	141	649422	4300.66 ng/ml	93
37)	Hexachlorocyclopentadiene	11.54	237	415180	8064.80 ng/ml	99
38)	2,4,6-Trichlorophenol	11.76	196	319213	6701.79 ng/ml	98
39)	2,4,5-Trichlorophenol	11.82	196	351263	6493.33 ng/ml	97
41)	2-Chloronaphthalene	12.06	127	323052	5901.03 ng/ml	96
42)	2-Nitroaniline	12.27	65	299712	6110.71 ng/ml	85
43)	Acenaphthylene	12.72	152	1167574	5167.98 ng/ml	99
44)	Dimethyl Phthalate	12.61	163	908618	5225.86 ng/ml	98
45)	2,6-Dinitrotoluene	12.69	165	228480	5549.79 ng/ml	90
46)	Acenaphthene	13.01	154	645362	4691.95 ng/ml	99
47)	3-Nitroaniline	12.95	138	220419	4894.98 ng/ml	95
48)	2,4-Dinitrophenol	13.12	184	142053	6057.11 ng/ml	80
49)	Dibenzofuran	13.30	168	1076132	4977.23 ng/ml	85
50)	4-Nitrophenol	13.29	109	192277	6644.17 ng/ml#	51
51)	2,4-Dinitrotoluene	13.34	165	321638	5653.04 ng/ml	91
52)	2,3,4,6-Tetrachlorophenol	13.52	232	336929	6275.86 ng/ml	94
53)	Fluorene	13.86	166	847917	5098.99 ng/ml	97
54)	4-Chlorophenyl Phenyl Ethe	13.89	204	516640	5875.14 ng/ml	94
55)	Diethyl Phthalate	13.77	149	956745	4948.09 ng/ml	98
56)	4-Nitroaniline	13.95	138	227453	5500.06 ng/ml#	74
57)	2-Methyl-4,6-dinitrophenol	14.00	198	221440	6447.05 ng/ml	90
58)	N-Nitrosodiphenylamine	14.10	169	629210	5314.63 ng/ml	97
59)	Azobenzene	14.15	77	948148	5336.09 ng/ml	92
62)	4-Bromophenyl Phenyl Ether	14.68	248	349262	5462.49 ng/ml	97
63)	Hexachlorobenzene	14.74	284	377783	5182.63 ng/ml	93
64)	Pentachlorophenol	15.09	266	247335	5137.41 ng/ml	98
65)	Phenanthrene	15.41	178	1178082	4205.43 ng/ml	99
66)	Anthracene	15.49	178	1242348	4260.33 ng/ml	98
67)	Carbazole	15.79	167	1101806	4359.82 ng/ml	99
68)	Di-n-butyl Phthalate	16.44	149	1512754	4038.49 ng/ml	99
69)	Fluoranthene	17.34	202	1525368	4821.53 ng/ml	94
71)	Benzidine	17.62	184	795371	6693.51 ng/ml	97

(#) = qualifier out of range (m) = manual integration NOV 15 2010
1115F016.D 111510_BNLL.M Tue Nov 16 09:05:49 2010 Page 2

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F016.D Vial: 12
Acq On : 15 Nov 2010 8:54 pm Operator: KBailey
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:02 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72)	Pyrene	17.70	202	1509697	5078.05	ng/ml	99
74)	Butyl Benzyl Phthalate	18.87	149	650848	4066.78	ng/ml	87
75)	3,3'-Dichlorobenzidine	19.72	252	644858	5496.33	ng/ml	97
76)	Benz(a)anthracene	19.71	228	1481386	5106.89	ng/ml	99
77)	Chrysene	19.78	228	1426676	5079.17	ng/ml	100
78)	Bis(2-ethylhexyl) Phthalat	19.94	149	879466	3950.99	ng/ml	88
80)	Di-n-octyl Phthalate	21.46	149	1457232	4033.14	ng/ml	98
81)	Benzo(b)fluoranthene	22.19	252	1342961	5297.40	ng/ml	94
82)	Benzo(k)fluoranthene	22.27	252	1392487	5288.28	ng/ml	94
83)	Benzo(a)pyrene	23.03	252	1137767	4994.62	ng/ml	95
84)	Indeno(1,2,3-cd)pyrene	25.57	276	1028637	5144.46	ng/ml	90
85)	Dibenz(a,h)anthracene	25.64	278	1068150	5112.43	ng/ml	92
86)	Benzo(g,h,i)perylene	26.07	276	1097527	4933.44	ng/ml	90

LB
NOV 16 2010

AH 11.17.10

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

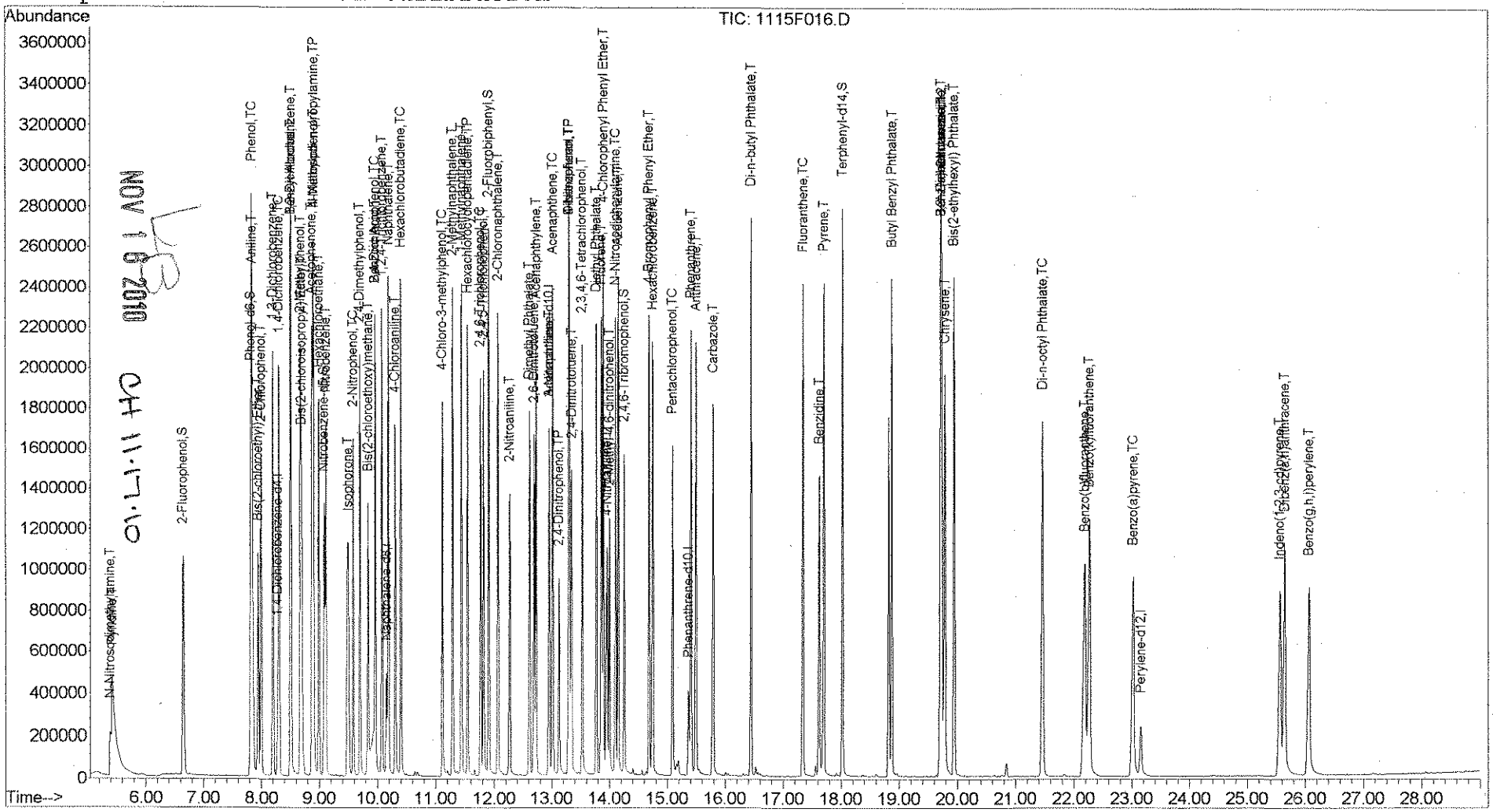
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F016.D
Acq On : 15 Nov 2010 8:54 pm
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:43 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



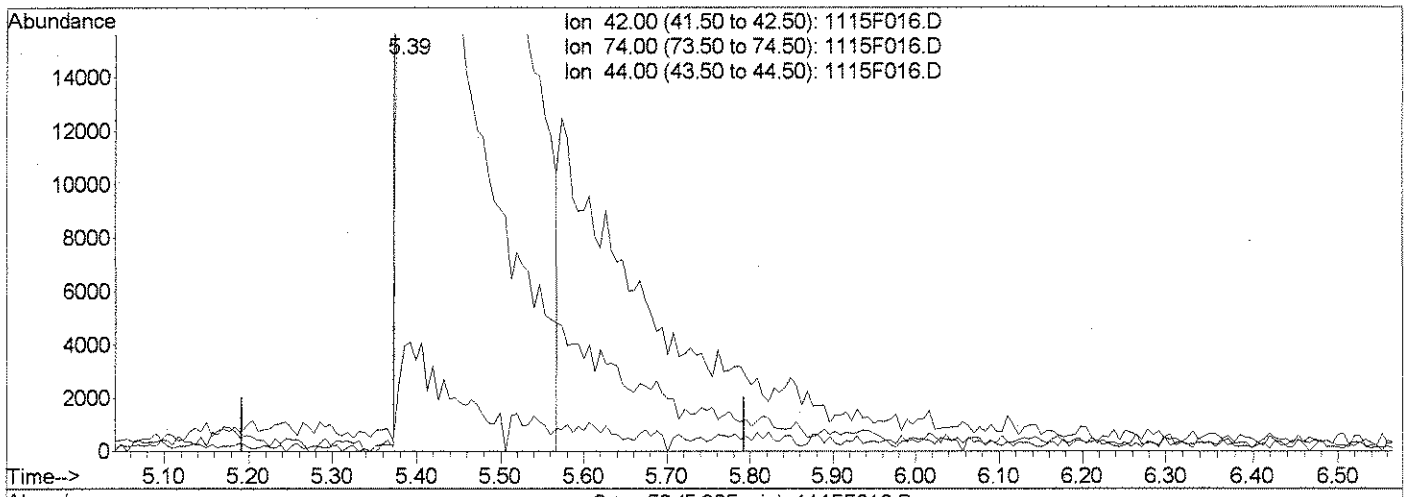
2157

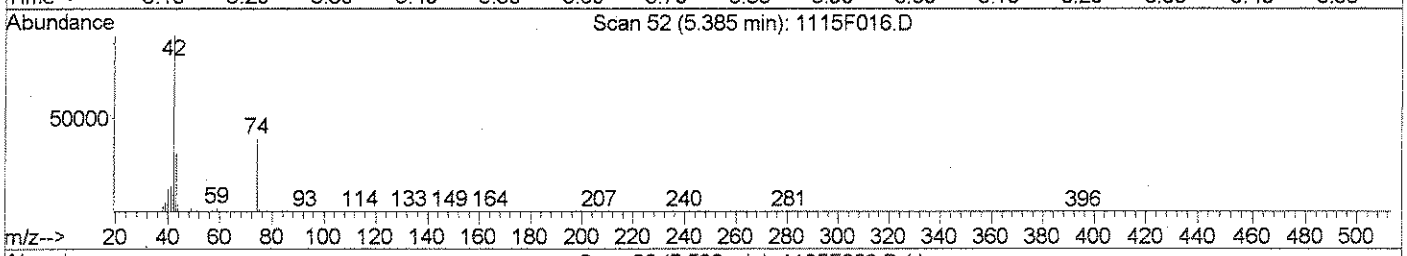
Quantitation Report (Qedit)

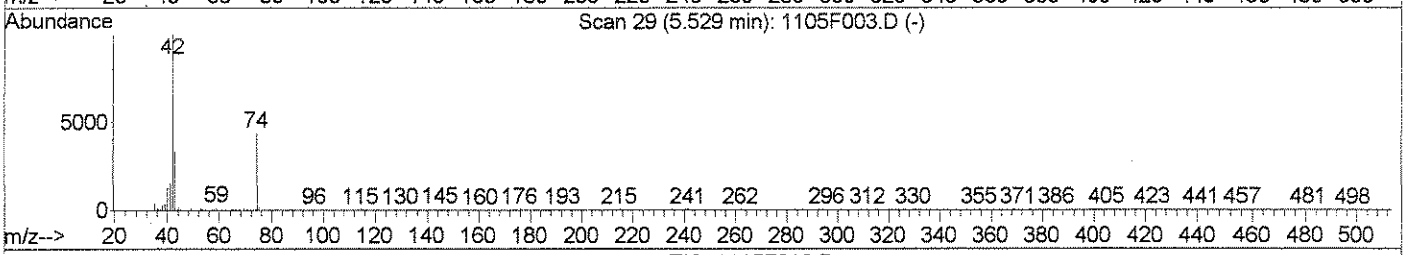
Data File : J:\MS06\DATA\111510\1115F016.D
Acq On : 15 Nov 2010 8:54 pm
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F016.D

(2) N-Nitrosodimethylamine (T)

5.39min 4563.03ng/ml

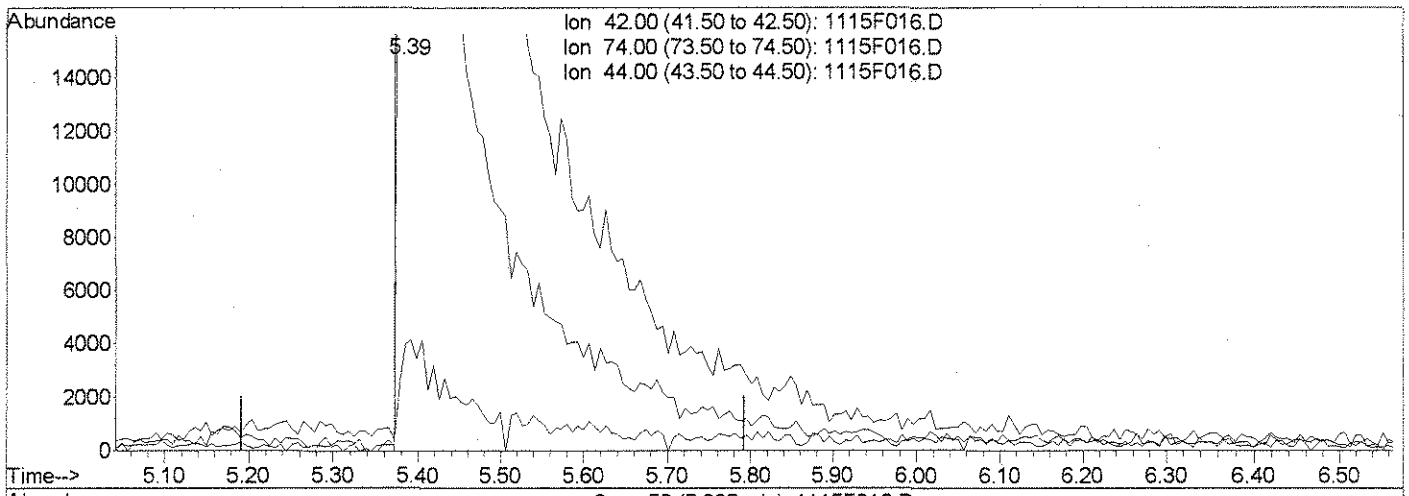
response 463316

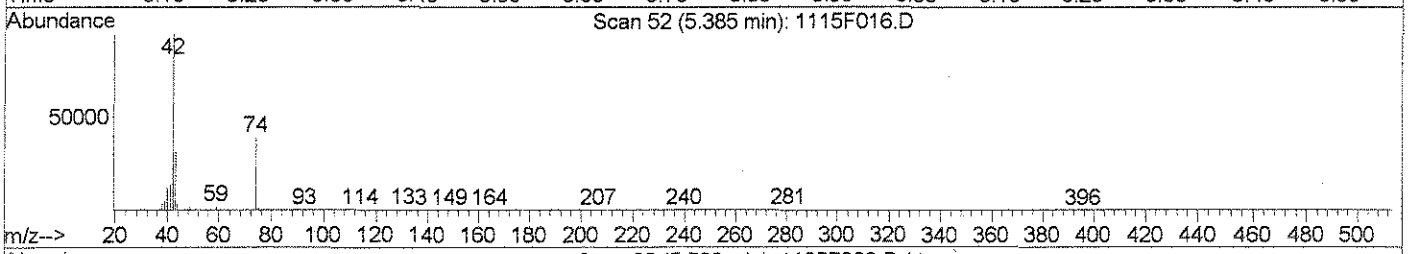
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	41.20
44.00	6.60	3.63
0.00	0.00	0.00

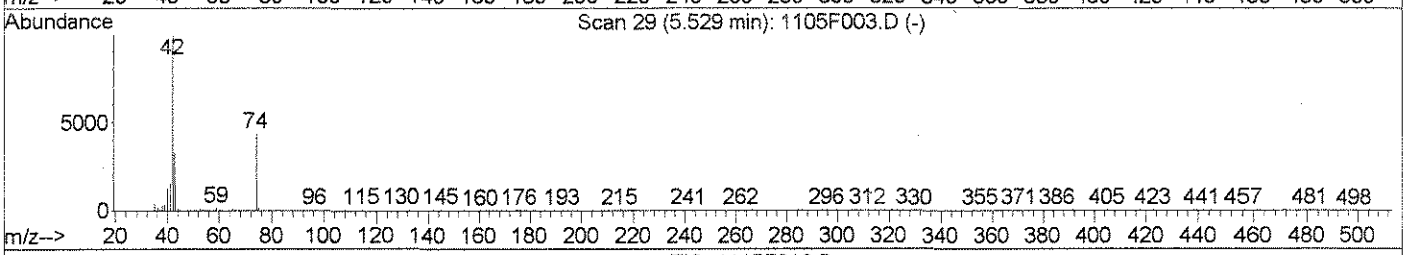
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F016.D Vial: 12
Acq On : 15 Nov 2010 8:54 pm Operator: KBailey
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:43 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F016.D

(2) N-Nitrosodimethylamine (T)

5.39min 5747.38ng/ml m

response 583571

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	41.20
44.00	6.60	4.18
0.00	0.00	0.00

1C

LB

NOV 16 2010

CH 11-17-10

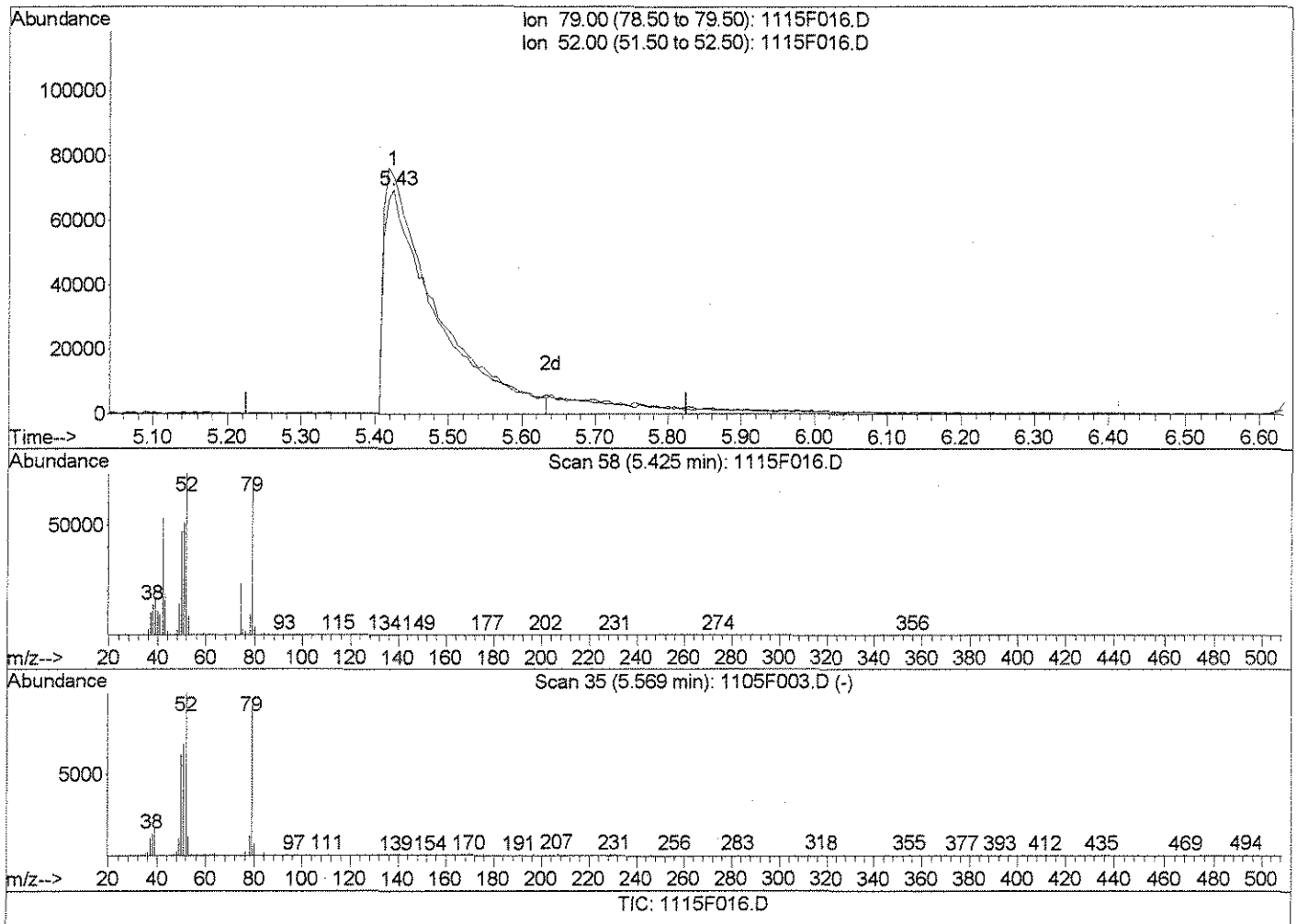
1115F016.D 111510_BNLL.M Tue Nov 16 08:43:33 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F016.D
Acq On : 15 Nov 2010 8:54 pm
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:43 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



(3) Pyridine (T)

5.43min 4898.50ng/ml

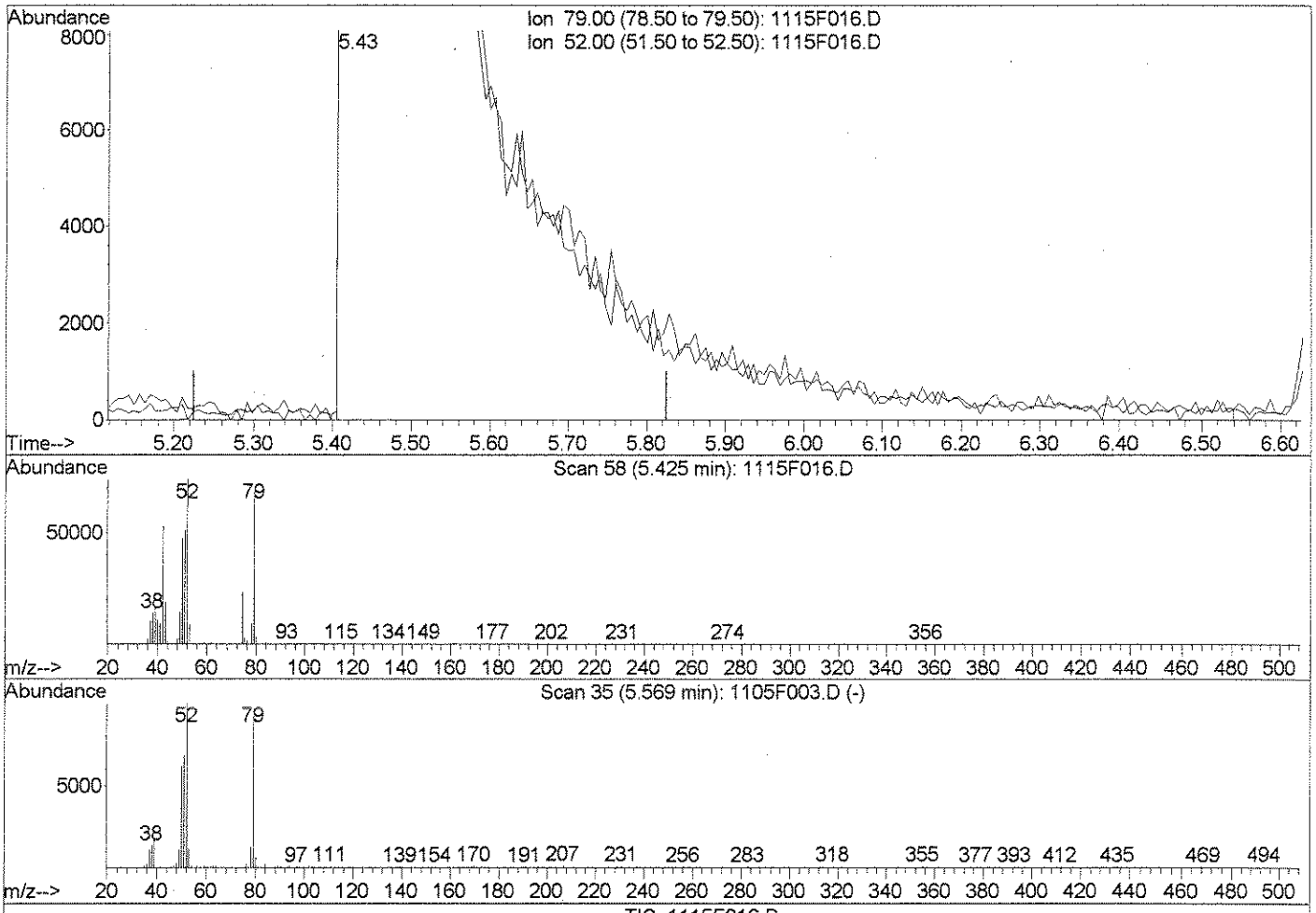
response 345917

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	105.52
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F016.D
Vial: 12
Acq On : 15 Nov 2010 8:54 pm
Operator: KBailey
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H
Inst : MS06
Misc :
Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:43 2010
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



(3) Pyridine (T)

5.43min 5734.53ng/ml m

response 404955

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	105.99
0.00	0.00	0.00
0.00	0.00	0.00

1C

LB
NOV 16 2010
CH 11.17.10

1115F016.D 111510_BNLL.M Tue Nov 16 08:43:46 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F017.D Vial: 13
Acq On : 15 Nov 2010 9:32 pm Operator: KBailey
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:03 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	71488	1000.00 ng/ml	-0.03
22) Naphthalene-d8	10.15	136	224195	1000.00 ng/ml	0.00
36) Acenaphthene-d10	12.95	164	112826	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.36	188	222400	1000.00 ng/ml	0.00
70) Chrysene-d12	19.73	240	267885	1000.00 ng/ml	0.00
79) Perylene-d12	23.16	264	226216	1000.00 ng/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	6.65	112	539922	7469.32 ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 199.18%#		
6) Phenol-d6	7.83	99	583957	6656.35 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 177.50%#		
20) Nitrobenzene-d5	9.09	82	683016	8162.84 ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 326.51%#		
40) 2-Fluorobiphenyl	11.91	172	1331905	8397.97 ng/ml	-0.02
Spiked Amount 2500.000	Range 37 - 126		Recovery = 335.92%#		
61) 2,4,6-Tribromophenol	14.26	330	291780	8099.32 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 215.98%#		
73) Terphenyl-d14	18.02	244	1491524	7637.50 ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 305.50%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.37	42	818535m	7878.33 ng/ml	
3) Pyridine	5.41	79	552785m	7650.11 ng/ml	
5) Bis(2-chloroethyl) Ether	7.95	93	457902	6239.71 ng/ml	93
7) Phenol	7.85	94	625318	6754.64 ng/ml#	27
8) Aniline	7.85	93	672984	6934.28 ng/ml#	45
9) 2-Chlorophenol	8.00	128	603405	6494.68 ng/ml	95
10) 1,3-Dichlorobenzene	8.20	146	710749	6507.29 ng/ml	97
11) 1,4-Dichlorobenzene	8.30	146	728810	6547.39 ng/ml	96
12) 1,2-Dichlorobenzene	8.51	146	667564	6335.68 ng/ml	98
13) Benzyl Alcohol	8.50	108	318839	5840.05 ng/ml	77
14) Bis(2-chloroisopropyl) Eth	8.70	45	941719	5178.88 ng/ml	90
15) 2-Methylphenol	8.68	107	413074	6326.24 ng/ml	80
16) Acetophenone	8.87	105	704529	6057.69 ng/ml	96
17) Hexachloroethane	8.99	117	311631	6256.93 ng/ml	85
18) N-Nitrosodi-n-propylamine	8.90	70	414126	6886.81 ng/ml	89
19) 4-Methylphenol	8.91	107	540134	5526.57 ng/ml	95
21) Nitrobenzene	9.11	77	660015	7959.12 ng/ml	91
23) Isophorone	9.50	82	1104341	7455.98 ng/ml	96
24) 2-Nitrophenol	9.58	139	342426	8651.34 ng/ml	81
25) 2,4-Dimethylphenol	9.70	122	453569	8089.40 ng/ml	89

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

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F017.D Vial: 13
Acq On : 15 Nov 2010 9:32 pm Operator: KBailey
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:03 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.84	93	516348	6601.72 ng/ml	97
27)	2,4-Dichlorophenol	9.97	162	517198	7162.06 ng/ml	96
28)	Benzoic Acid	10.01	122	271072	5555.22 ng/ml	94
29)	1,2,4-Trichlorobenzene	10.07	180	657110	8023.84 ng/ml	99
30)	Naphthalene	10.19	128	1487753	6106.70 ng/ml	98
31)	4-Chloroaniline	10.31	127	665270	6082.22 ng/ml	92
32)	Hexachlorobutadiene	10.40	225	524746	8895.90 ng/ml	98
33)	4-Chloro-3-methylphenol	11.12	107	528916	7085.73 ng/ml	79
34)	2-Methylnaphthalene	11.29	141	876710	5612.78 ng/ml	94
35)	1-Methylnaphthalene	11.44	141	884384	5710.39 ng/ml	94
37)	Hexachlorocyclopentadiene	11.54	237	585193	11419.36 ng/ml	98
38)	2,4,6-Trichlorophenol	11.77	196	445485	9395.69 ng/ml	98
39)	2,4,5-Trichlorophenol	11.82	196	491509	9127.50 ng/ml	97
41)	2-Chloronaphthalene	12.07	127	441624	8103.89 ng/ml	95
42)	2-Nitroaniline	12.28	65	406483	8150.84 ng/ml	89
43)	Acenaphthylene	12.73	152	1593998	7087.77 ng/ml	99
44)	Dimethyl Phthalate	12.62	163	1246372	7201.28 ng/ml	99
45)	2,6-Dinitrotoluene	12.70	165	316185	7388.78 ng/ml	94
46)	Acenaphthene	13.01	154	884698	6461.46 ng/ml	100
47)	3-Nitroaniline	12.96	138	304128	6607.19 ng/ml	93
48)	2,4-Dinitrophenol	13.13	184	204614	7775.33 ng/ml	80
49)	Dibenzofuran	13.30	168	1462969	6797.40 ng/ml	70
50)	4-Nitrophenol	13.30	109	273671	9500.09 ng/ml#	7
51)	2,4-Dinitrotoluene	13.35	165	442616	7602.12 ng/ml	95
52)	2,3,4,6-Tetrachlorophenol	13.53	232	472610	8533.77 ng/ml	89
53)	Fluorene	13.86	166	1150552	6950.60 ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.89	204	698760	7982.59 ng/ml	94
55)	Diethyl Phthalate	13.78	149	1288050	6692.06 ng/ml	97
56)	4-Nitroaniline	13.97	138	302685	7352.79 ng/ml#	73
57)	2-Methyl-4,6-dinitrophenol	14.01	198	305460	8426.66 ng/ml	86
58)	N-Nitrosodiphenylamine	14.11	169	851595	7225.97 ng/ml	97
59)	Azobenzene	14.15	77	1280342	7238.66 ng/ml	92
62)	4-Bromophenyl Phenyl Ether	14.69	248	464644	7372.46 ng/ml	99
63)	Hexachlorobenzene	14.75	284	509213	7086.95 ng/ml	93
64)	Pentachlorophenol	15.09	266	339820	6827.75 ng/ml	99
65)	Phenanthrene	15.41	178	1563720	5662.99 ng/ml	98
66)	Anthracene	15.50	178	1657060	5764.89 ng/ml	99
67)	Carbazole	15.79	167	1464503	5879.03 ng/ml	98
68)	Di-n-butyl Phthalate	16.44	149	1994233	5401.07 ng/ml	98
69)	Fluoranthene	17.34	202	2026156	6497.33 ng/ml	94
71)	Benzidine	17.63	184	1079700	9284.66 ng/ml	97

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F017.D Vial: 13
Acq On : 15 Nov 2010 9:32 pm Operator: KBailey
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:03 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72)	Pyrene	17.71	202	2028364	6971.59	ng/ml	98
74)	Butyl Benzyl Phthalate	18.87	149	880928	5624.59	ng/ml	84
75)	3,3'-Dichlorobenzidine	19.73	252	876146	7630.69	ng/ml	96
76)	Benz(a)anthracene	19.71	228	1998719	7040.75	ng/ml	100
77)	Chrysene	19.79	228	1942160	7065.31	ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.94	149	1200705	5511.90	ng/ml	89
80)	Di-n-octyl Phthalate	21.47	149	2002232	5401.04	ng/ml	98
81)	Benzo(b)fluoranthene	22.20	252	1855649	7411.86	ng/ml	96
82)	Benzo(k)fluoranthene	22.28	252	1910069	7345.21	ng/ml	95
83)	Benzo(a)pyrene	23.04	252	1571506	6985.48	ng/ml	95
84)	Indeno(1,2,3-cd)pyrene	25.58	276	1437817	7281.36	ng/ml	91
85)	Dibenz(a,h)anthracene	25.66	278	1529009	7410.31	ng/ml	91
86)	Benzo(g,h,i)perylene	26.08	276	1527739	6953.69	ng/ml	88

LB
NOV 16 2010

CH 11.17.10

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

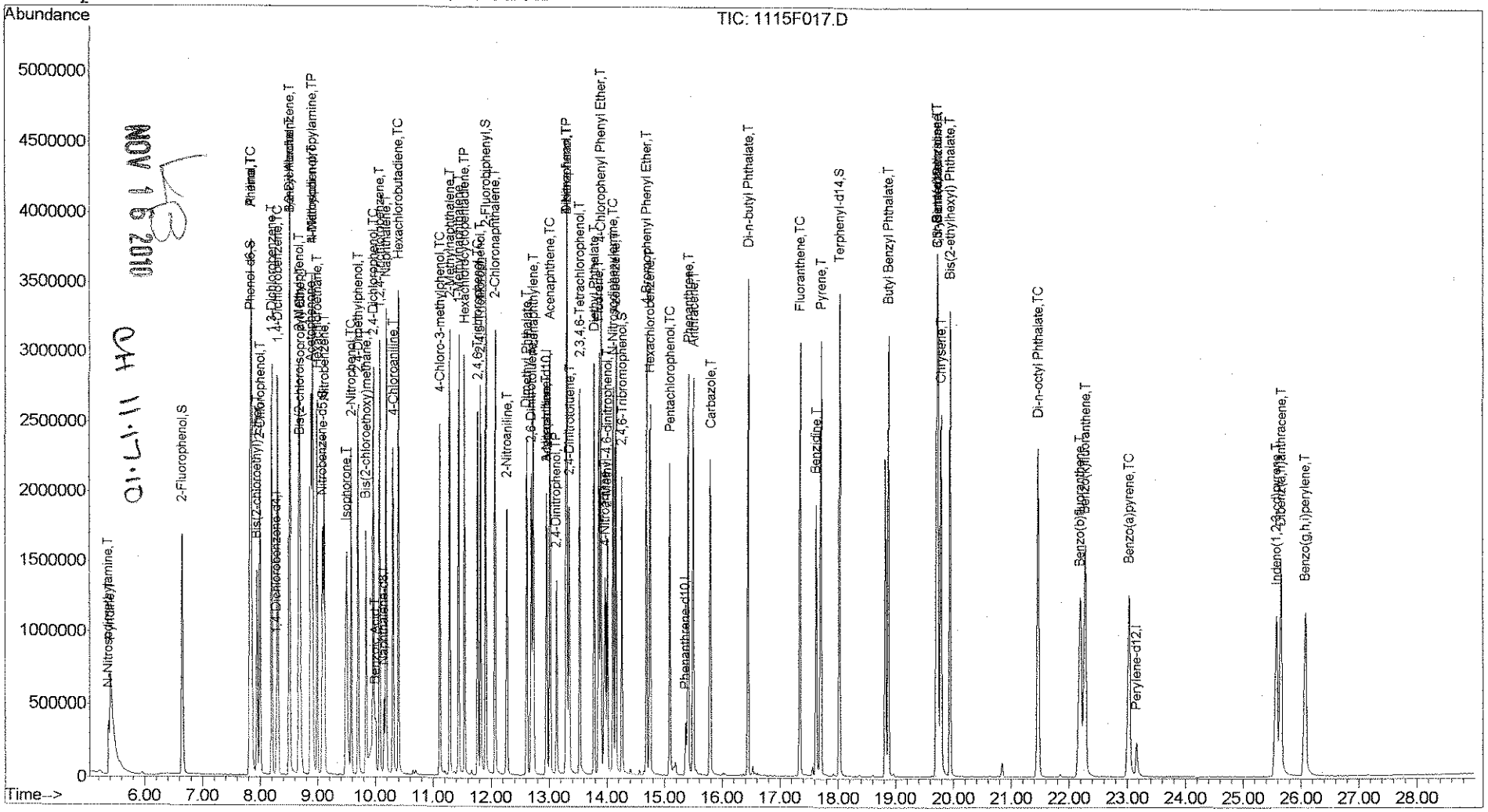
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 9:32 pm
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:44 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



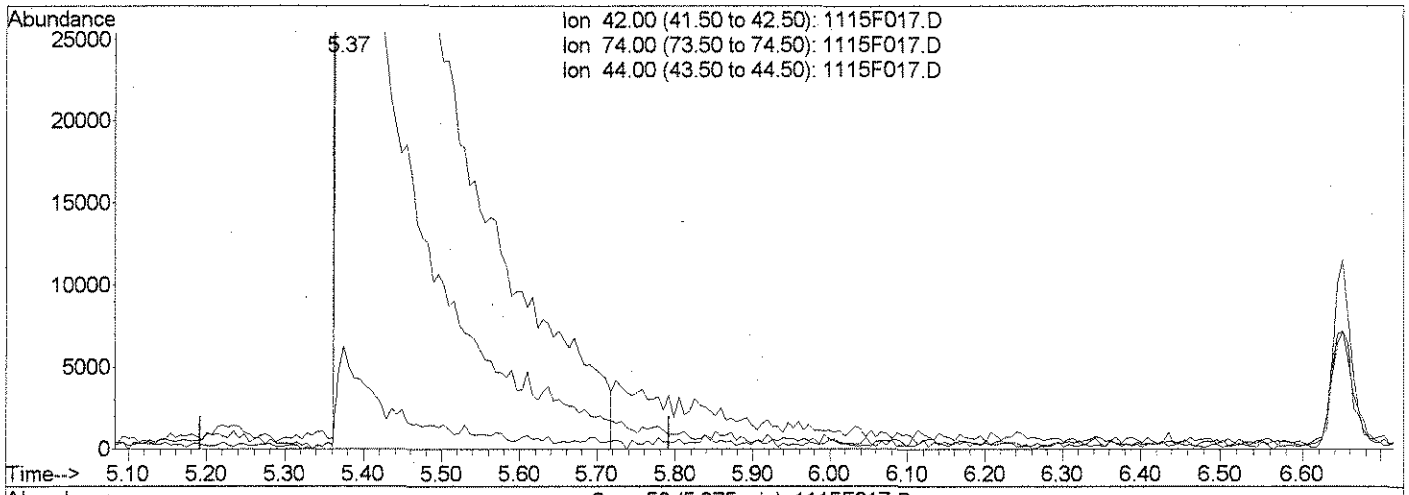
2165

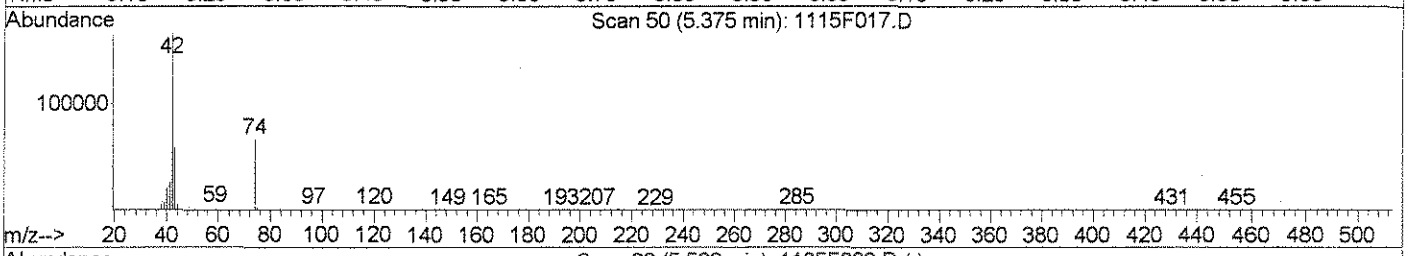
Quantitation Report (Qedit)

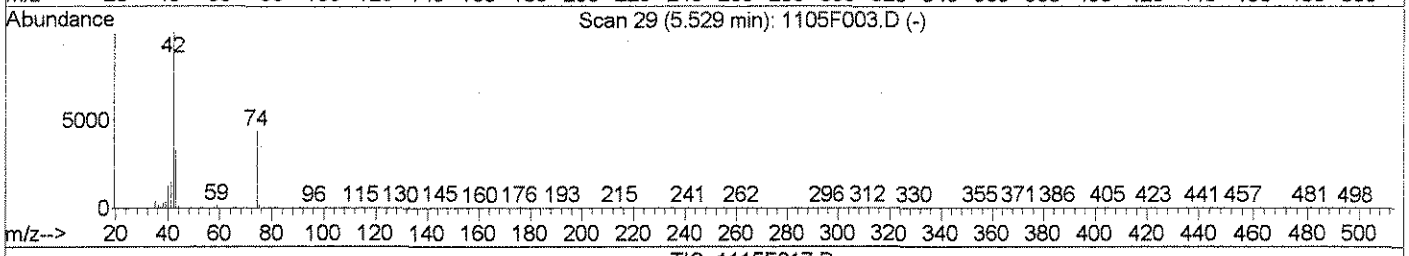
Data File : J:\MS06\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 9:32 pm
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F017.D

(2) N-Nitrosodimethylamine (T)

5.37min 7317.31ng/ml

response 760247

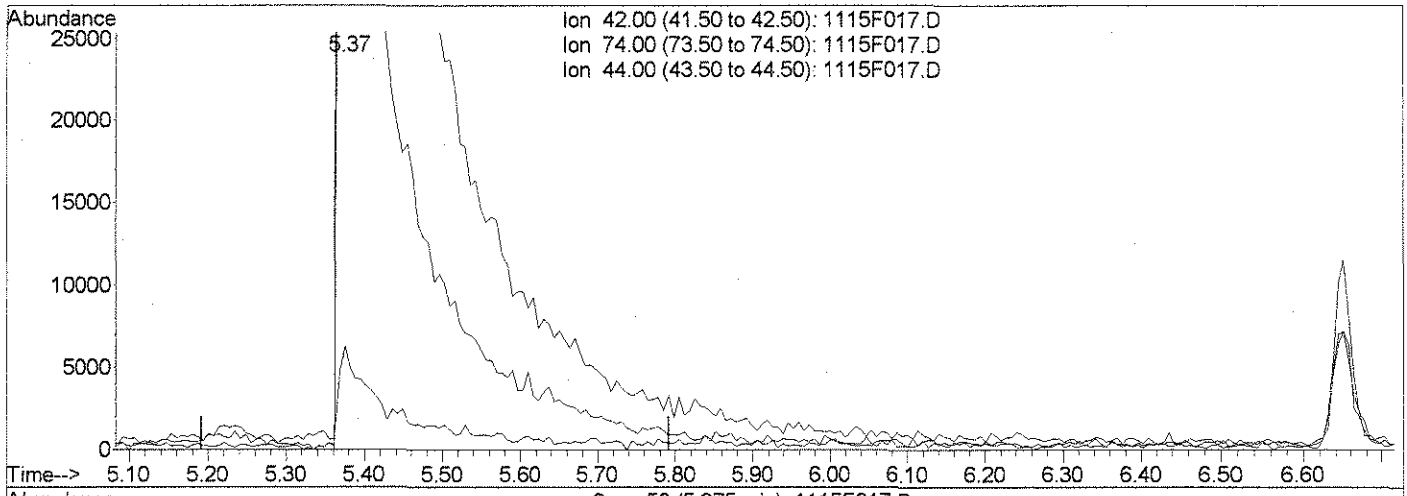
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	39.40
44.00	6.60	3.49
0.00	0.00	0.00

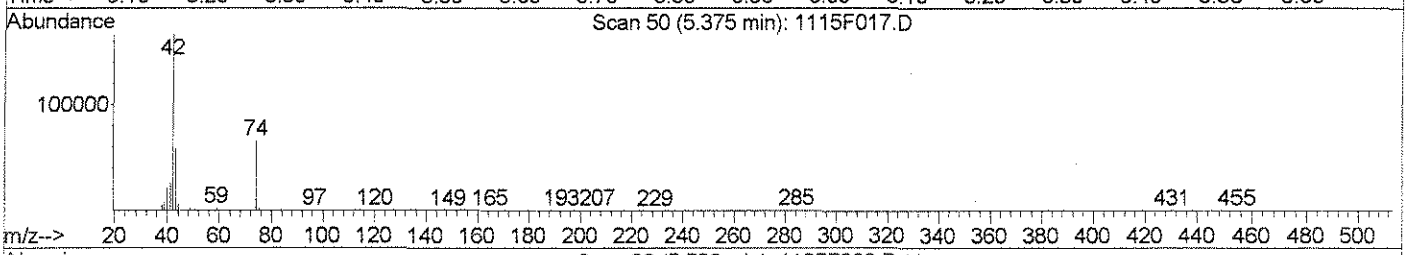
Quantitation Report (Qedit)

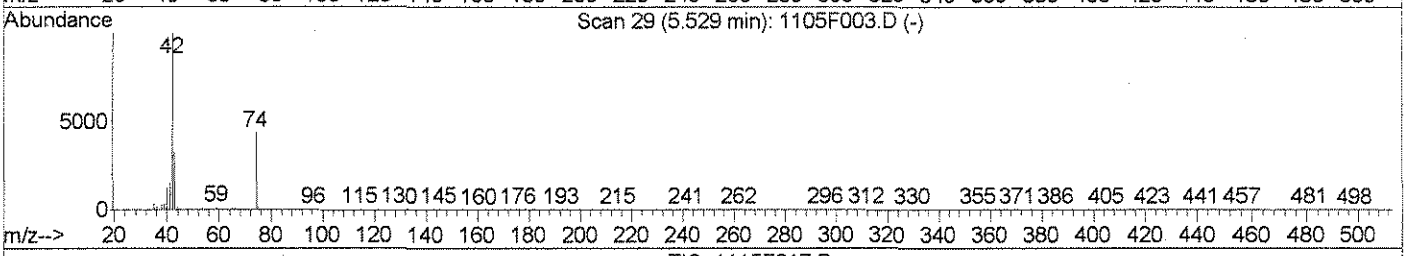
Data File : J:\MS06\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 9:32 pm
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:44 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F017.D

(2) N-Nitrosodimethylamine (T)

5.37min 7878.33ng/ml m

response 818535

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	39.40
44.00	6.60	3.76
0.00	0.00	0.00

10

NOV 16 2010

CH 11.17.10

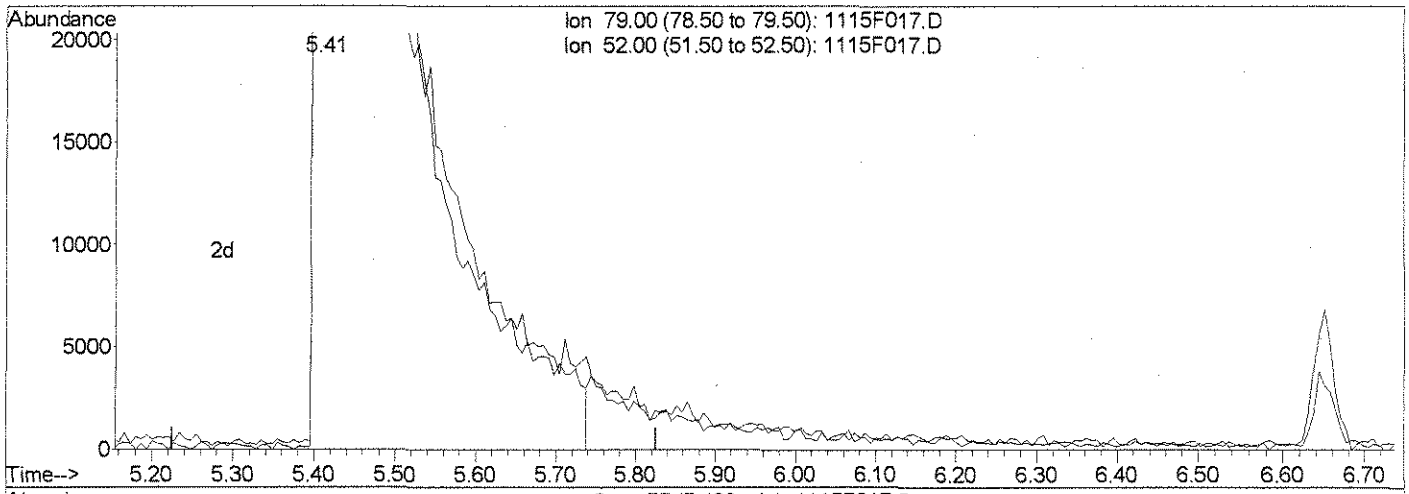
1115F017.D 111510_BNLL.M Tue Nov 16 08:44:34 2010

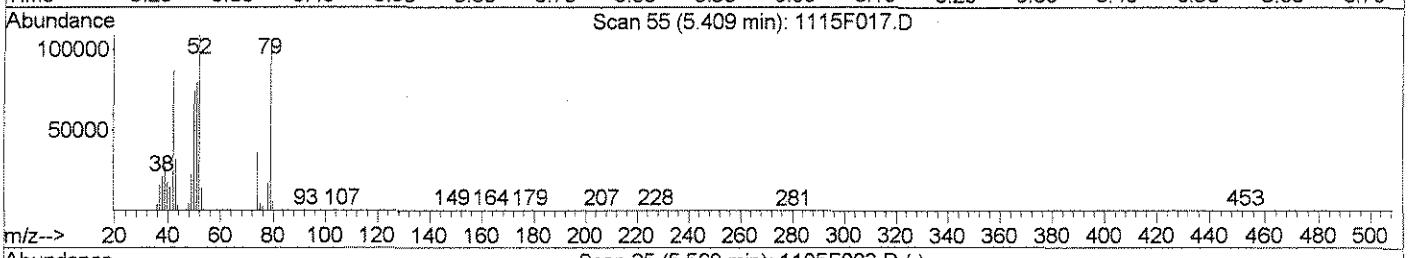
Quantitation Report (Qedit)

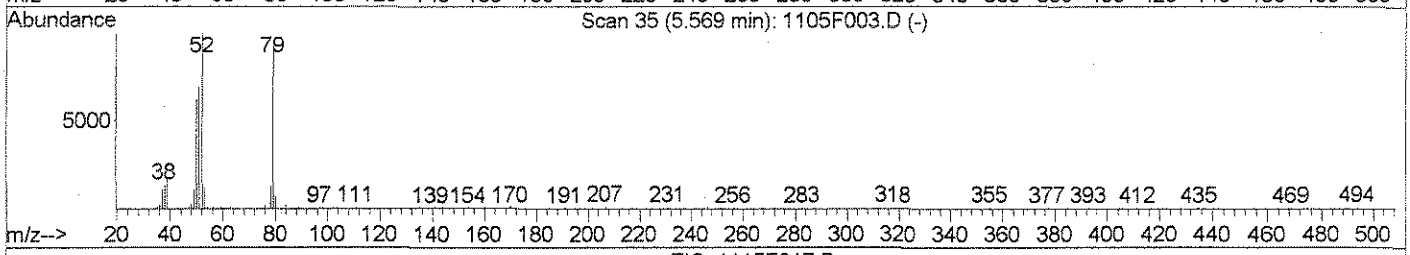
Data File : J:\MS06\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 9:32 pm
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:44 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F017.D

(3) Pyridine (T)

5.41min 7135.24ng/ml

response 515581

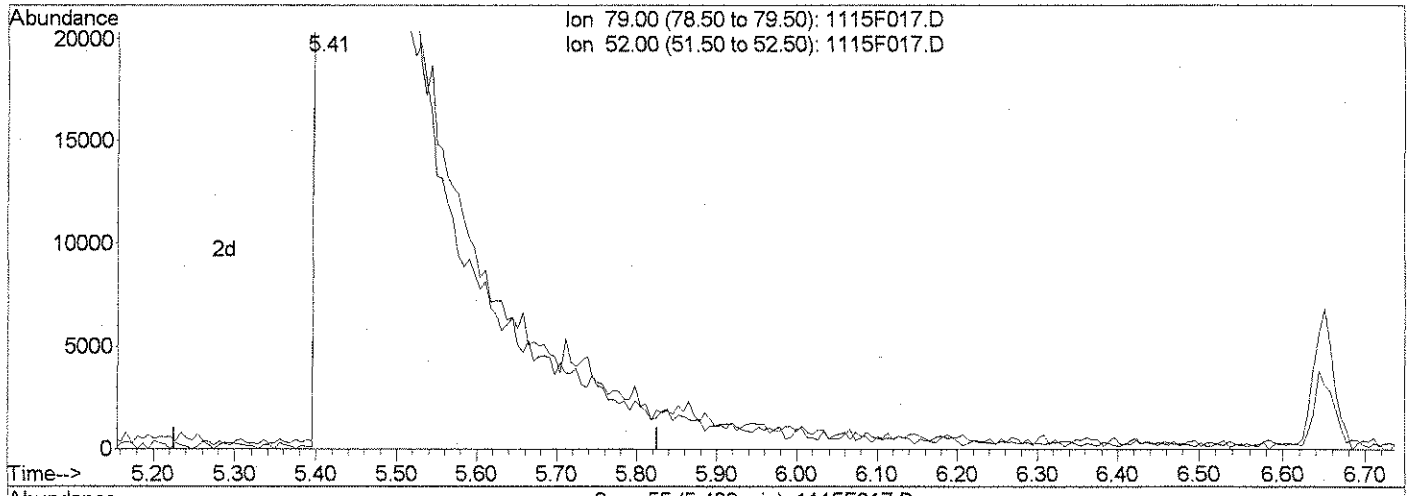
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	106.71
0.00	0.00	0.00
0.00	0.00	0.00

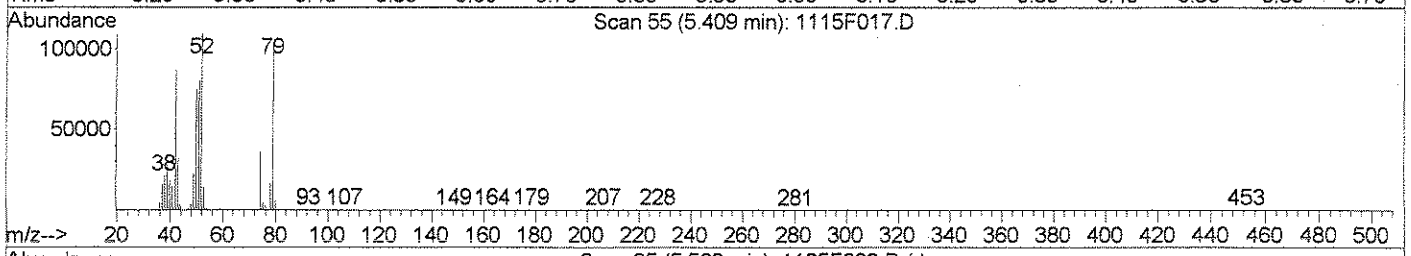
Quantitation Report (Qedit)

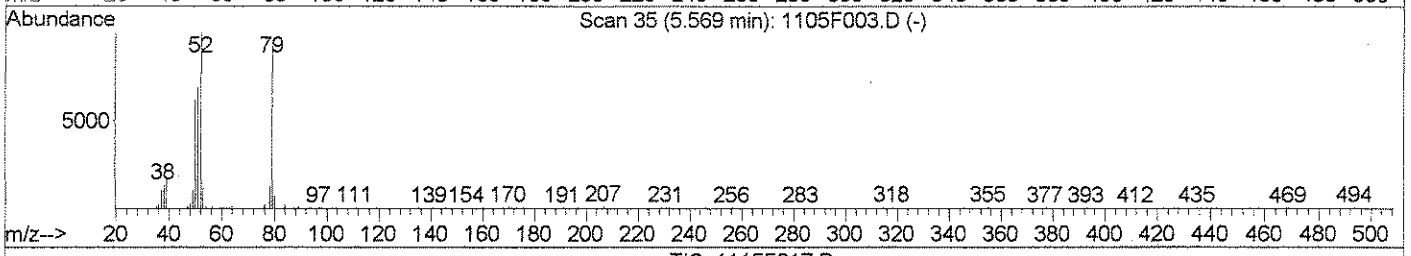
Data File : J:\MS06\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 9:32 pm
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:44 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F017.D

(3) Pyridine (T)

5.41min 7650.11ng/ml m

response 552785

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	107.16
0.00	0.00	0.00
0.00	0.00	0.00

1C

NOV 16 2010

CH 11.17.10

1115F017.D 111510_BNLL.M Tue Nov 16 08:44:46 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F018.D Vial: 14
Acq On : 15 Nov 2010 10:09 pm Operator: KBailey
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:04 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	68857	1000.00 ng/ml	-0.03
22) Naphthalene-d8	10.15	136	211438	1000.00 ng/ml	0.00
36) Acenaphthene-d10	12.95	164	113234	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.37	188	227730	1000.00 ng/ml	0.00
70) Chrysene-d12	19.74	240	268971	1000.00 ng/ml	0.00
79) Perylene-d12	23.16	264	225012	1000.00 ng/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	6.64	112	744168	10688.23 ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 110		Recovery = 285.02%#		
6) Phenol-d6	7.83	99	792847	9382.74 ng/ml	0.01
Spiked Amount 3750.000	Range 43 - 128		Recovery = 250.21%#		
20) Nitrobenzene-d5	9.09	82	948794	11772.47 ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 470.90%#		
40) 2-Fluorobiphenyl	11.91	172	1881541	11820.81 ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 472.83%#		
61) 2,4,6-Tribromophenol	14.26	330	424302	11502.25 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 306.73%#		
73) Terphenyl-d14	18.03	244	2165549	11044.14 ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 441.77%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.36	42	1170945m	11700.87 ng/ml	
3) Pyridine	5.40	79	744680m	10699.57 ng/ml	
5) Bis(2-chloroethyl) Ether	7.95	93	625057	8842.94 ng/ml	96
7) Phenol	7.85	94	837053	9387.27 ng/ml#	25
8) Aniline	7.85	93	898047	9606.85 ng/ml#	1
9) 2-Chlorophenol	8.00	128	835139	9332.38 ng/ml	93
10) 1,3-Dichlorobenzene	8.20	146	996763	9474.60 ng/ml	97
11) 1,4-Dichlorobenzene	8.31	146	1016475	9480.59 ng/ml	98
12) 1,2-Dichlorobenzene	8.51	146	920657	9071.59 ng/ml	98
13) Benzyl Alcohol	8.52	108	434238	8257.68 ng/ml	75
14) Bis(2-chloroisopropyl) Eth	8.70	45	1249670	7135.02 ng/ml	85
15) 2-Methylphenol	8.68	107	563097	8953.36 ng/ml#	76
16) Acetophenone	8.88	105	959454	8564.81 ng/ml	95
17) Hexachloroethane	8.99	117	425125	8861.80 ng/ml	84
18) N-Nitrosodi-n-propylamine	8.91	70	566976	9788.94 ng/ml	91
19) 4-Methylphenol	8.92	107	730476	7759.70 ng/ml	94
21) Nitrobenzene	9.12	77	912207	11420.61 ng/ml	89
23) Isophorone	9.52	82	1529649	10950.56 ng/ml	97
24) 2-Nitrophenol	9.59	139	476173	12756.29 ng/ml	85
25) 2,4-Dimethylphenol	9.71	122	610707	11549.11 ng/ml	85

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

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:04 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.85	93	703476	9536.89 ng/ml	98
27)	2,4-Dichlorophenol	9.97	162	714669	10493.71 ng/ml	97
28)	Benzoic Acid	10.05	122	420599m	8181.59 ng/ml	
29)	1,2,4-Trichlorobenzene	10.08	180	910240	11785.36 ng/ml	98
30)	Naphthalene	10.20	128	2072187	9018.78 ng/ml	98
31)	4-Chloroaniline	10.32	127	922109	8939.01 ng/ml	92
32)	Hexachlorobutadiene	10.40	225	738847	13281.23 ng/ml	97
33)	4-Chloro-3-methylphenol	11.12	107	723468	10276.85 ng/ml	78
34)	2-Methylnaphthalene	11.30	141	1207478	8196.80 ng/ml	95
35)	1-Methylnaphthalene	11.45	141	1232793	8440.30 ng/ml	93
37)	Hexachlorocyclopentadiene	11.55	237	839955	16331.69 ng/ml	99
38)	2,4,6-Trichlorophenol	11.77	196	626536	13166.62 ng/ml	98
39)	2,4,5-Trichlorophenol	11.83	196	688293	12735.80 ng/ml	97
41)	2-Chloronaphthalene	12.07	127	624242	11413.70 ng/ml	94
42)	2-Nitroaniline	12.28	65	570375	11064.32 ng/ml	86
43)	Acenaphthylene	12.73	152	2232337	9890.40 ng/ml	99
44)	Dimethyl Phthalate	12.63	163	1766923	10172.13 ng/ml	98
45)	2,6-Dinitrotoluene	12.71	165	443115	9779.50 ng/ml	80
46)	Acenaphthene	13.02	154	1221310	8887.79 ng/ml	97
47)	3-Nitroaniline	12.97	138	436175	9095.55 ng/ml	96
48)	2,4-Dinitrophenol	13.14	184	311432	10181.95 ng/ml	89
49)	Dibenzofuran	13.31	168	2043101	9458.67 ng/ml	72
50)	4-Nitrophenol	13.31	109	398088	13769.25 ng/ml#	1
51)	2,4-Dinitrotoluene	13.36	165	633169	10424.60 ng/ml	97
52)	2,3,4,6-Tetrachlorophenol	13.54	232	675214	11597.14 ng/ml	90
53)	Fluorene	13.87	166	1645575	9905.26 ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.90	204	1003630	11424.10 ng/ml	95
55)	Diethyl Phthalate	13.79	149	1837664	9513.18 ng/ml	98
56)	4-Nitroaniline	13.99	138	440795	10669.15 ng/ml	77
57)	2-Methyl-4,6-dinitrophenol	14.02	198	448057	11360.05 ng/ml	93
58)	N-Nitrosodiphenylamine	14.12	169	1219477	10310.25 ng/ml	98
59)	Azobenzene	14.16	77	1784575	10053.09 ng/ml	92
62)	4-Bromophenyl Phenyl Ether	14.69	248	678975	10521.08 ng/ml	96
63)	Hexachlorobenzene	14.75	284	730214	9924.86 ng/ml	92
64)	Pentachlorophenol	15.10	266	501138	9224.90 ng/ml	98
65)	Phenanthrene	15.42	178	2262315	8001.19 ng/ml	98
66)	Anthracene	15.50	178	2393022	8130.44 ng/ml	98
67)	Carbazole	15.80	167	2099710	8231.70 ng/ml	97
68)	Di-n-butyl Phthalate	16.45	149	2869811	7590.52 ng/ml	99
69)	Fluoranthene	17.35	202	2941709	9212.48 ng/ml	93
71)	Benzidine	17.63	184	1506802	12905.11 ng/ml	96

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:04 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	Pyrene	17.71	202	2904446	9942.42 ng/ml	100
74)	Butyl Benzyl Phthalate	18.88	149	1236225	7861.23 ng/ml	86
75)	3,3'-Dichlorobenzidine	19.74	252	1235998	10721.32 ng/ml	97
76)	Benz(a)anthracene	19.72	228	2857959	10026.89 ng/ml	99
77)	Chrysene	19.80	228	2735368	9910.72 ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.95	149	1679161	7677.16 ng/ml	87
80)	Di-n-octyl Phthalate	21.47	149	2847044	7333.01 ng/ml	97
81)	Benzo(b)fluoranthene	22.24	252	2814667	11302.54 ng/ml	94
82)	Benzo(k)fluoranthene	22.31	252	2473191m	9561.60 ng/ml	
83)	Benzo(a)pyrene	23.06	252	2208980	9871.65 ng/ml	94
84)	Indeno(1,2,3-cd)pyrene	25.61	276	2074427	10561.48 ng/ml	91
85)	Dibenz(a,h)anthracene	25.68	278	2166105	10554.16 ng/ml	89
86)	Benzo(g,h,i)perylene	26.10	276	2124033	9719.53 ng/ml	87

LB
NOV 16 2010

CH 11.17.10

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

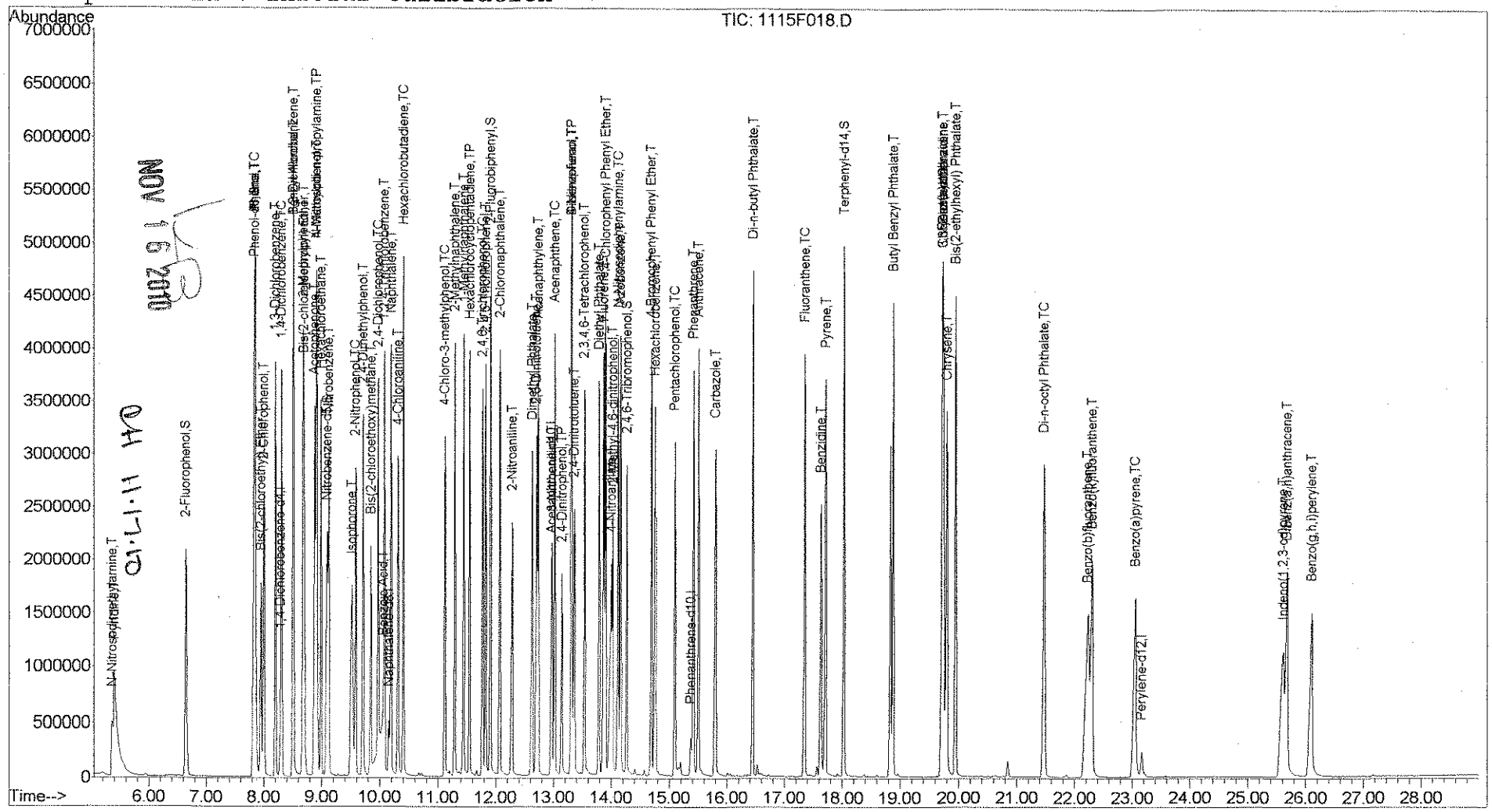
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:46 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



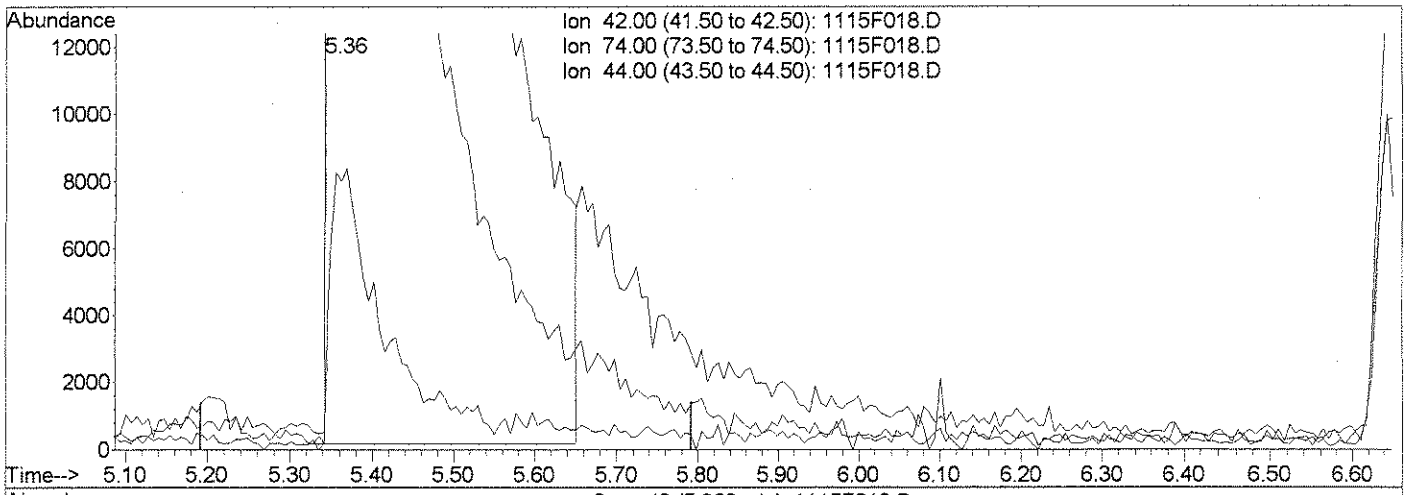
2173

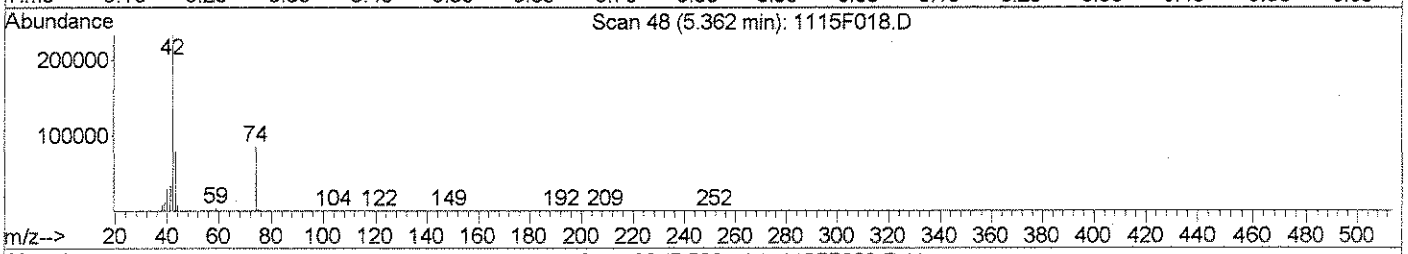
Quantitation Report (Qedit)

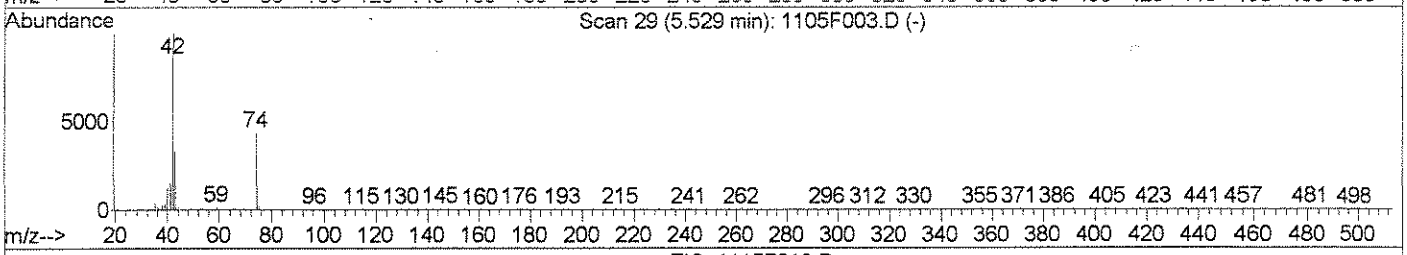
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F018.D

(2) N-Nitrosodimethylamine (T)

5.36min 10770.14ng/ml

response 1077803

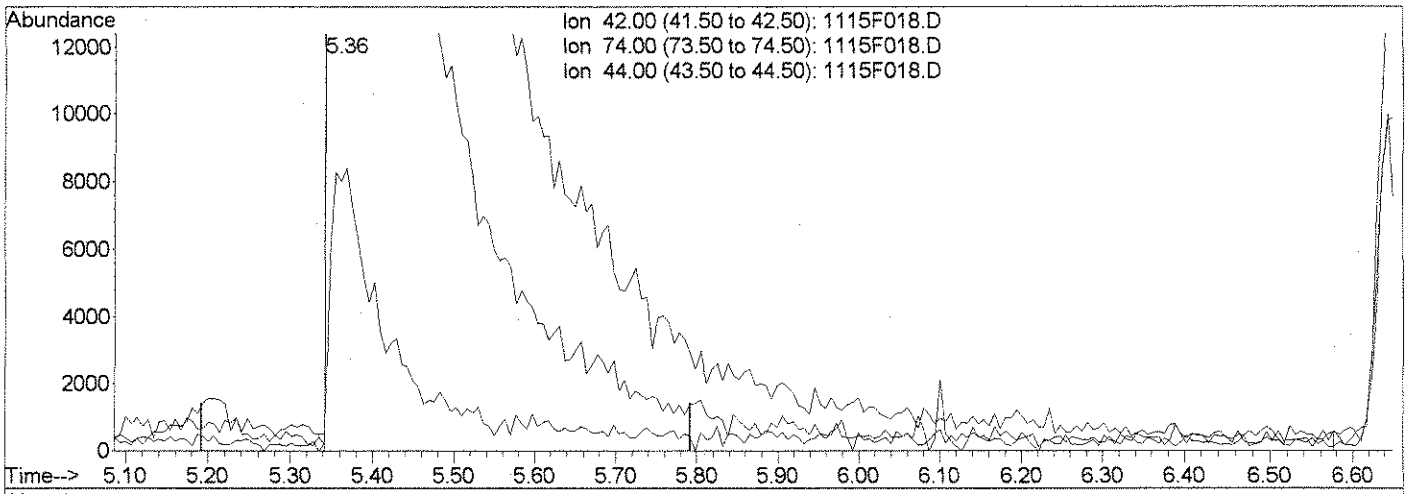
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	36.53
44.00	6.60	3.20
0.00	0.00	0.00

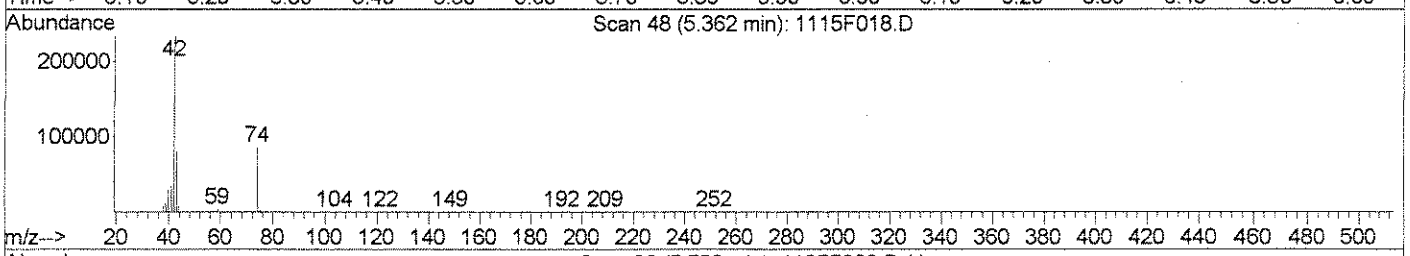
Quantitation Report (Qedit)

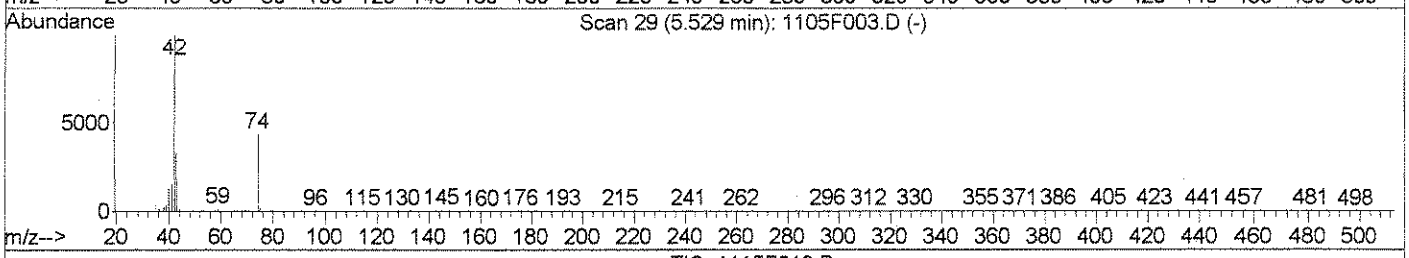
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:45 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F018.D

(2) N-Nitrosodimethylamine (T)

5.36min 11700.87ng/ml m

response 1170945

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	36.63
44.00	6.60	3.42
0.00	0.00	0.00

10

NOV 16 2010

CH 11-17-10

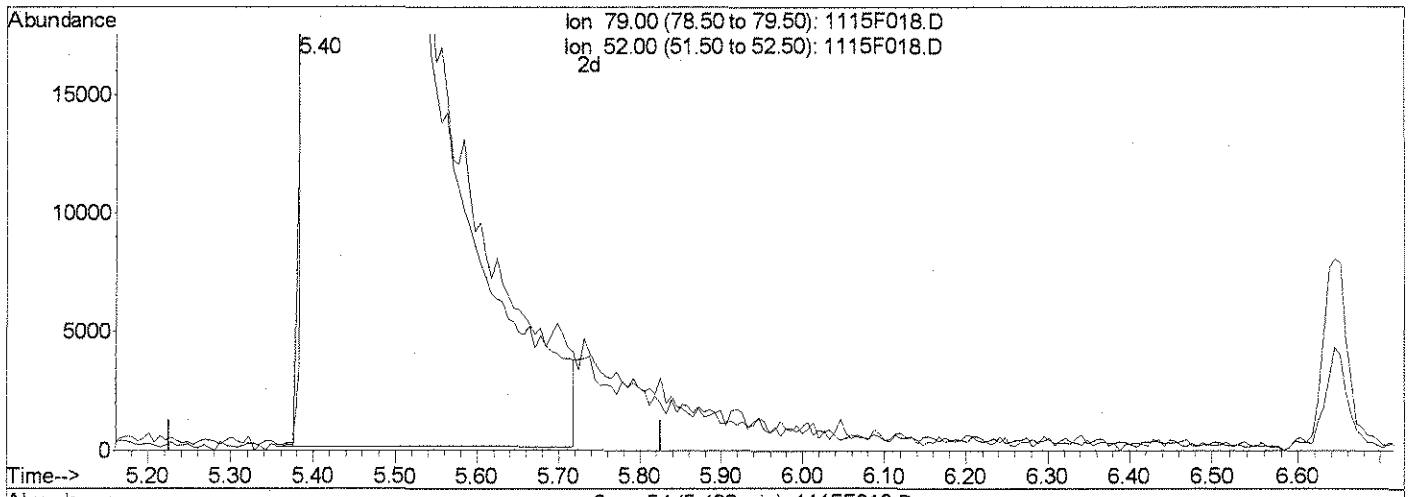
1115F018.D 111510_BNLL.M Tue Nov 16 08:45:40 2010

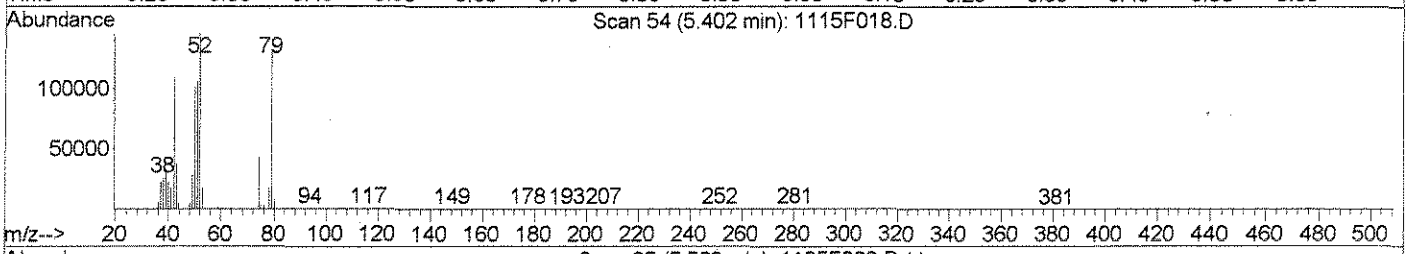
Quantitation Report (Qedit)

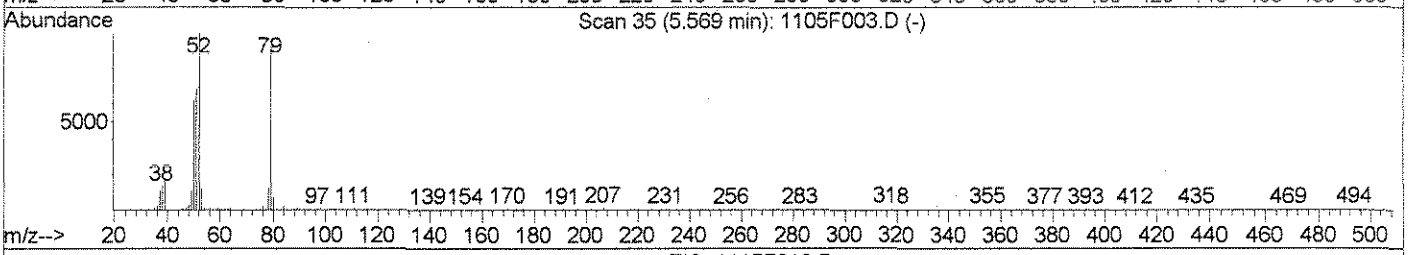
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:45 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F018.D

(3) Pyridine (T)

5.40min 10038.79ng/ml

response 698690

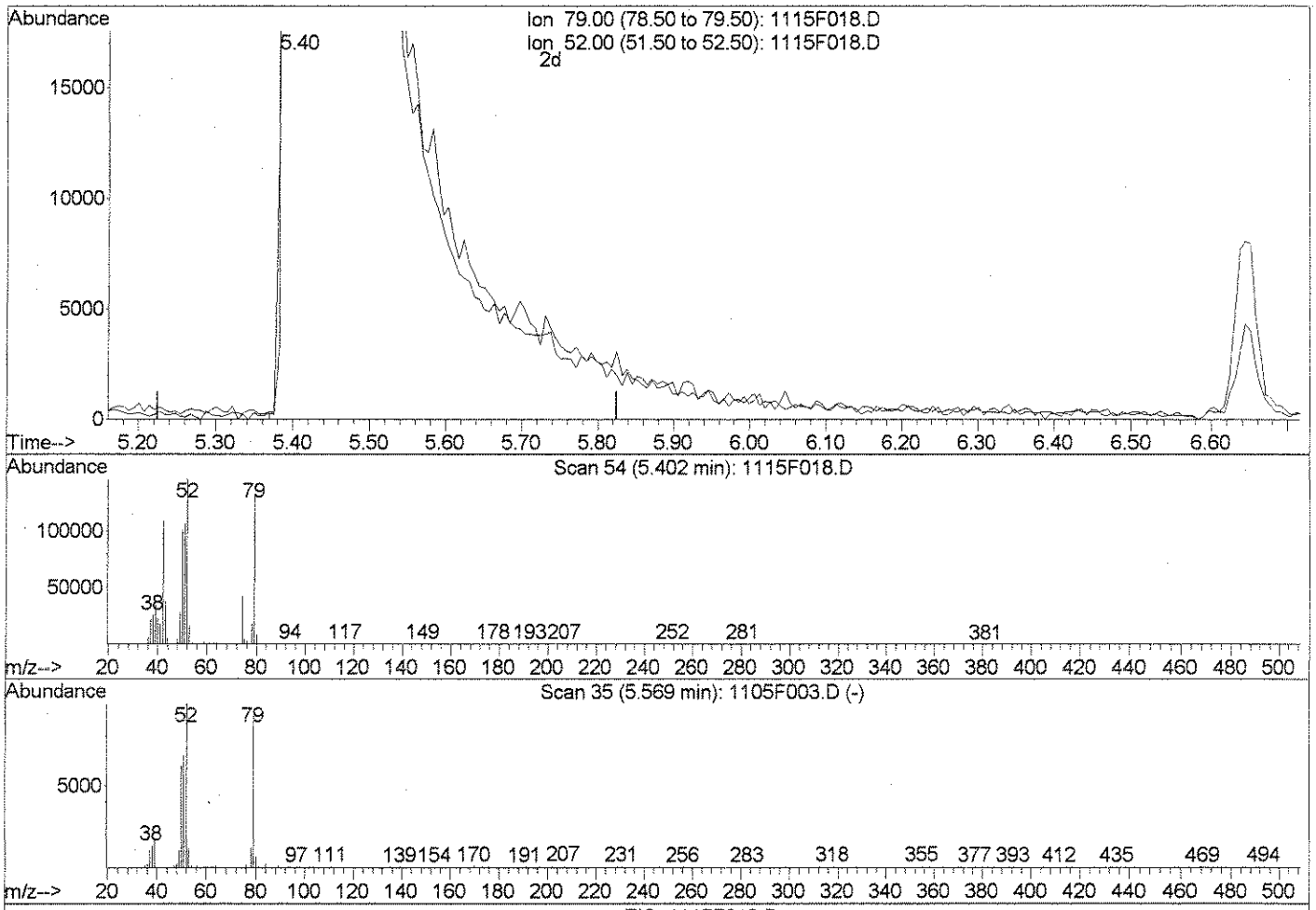
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	110.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:45 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



(3) Pyridine (T)

5.40min 10699.57ng/ml m

response 744680

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	110.58
0.00	0.00	0.00
0.00	0.00	0.00

1C

LB

NOV 16 2010

CH 11.17.10

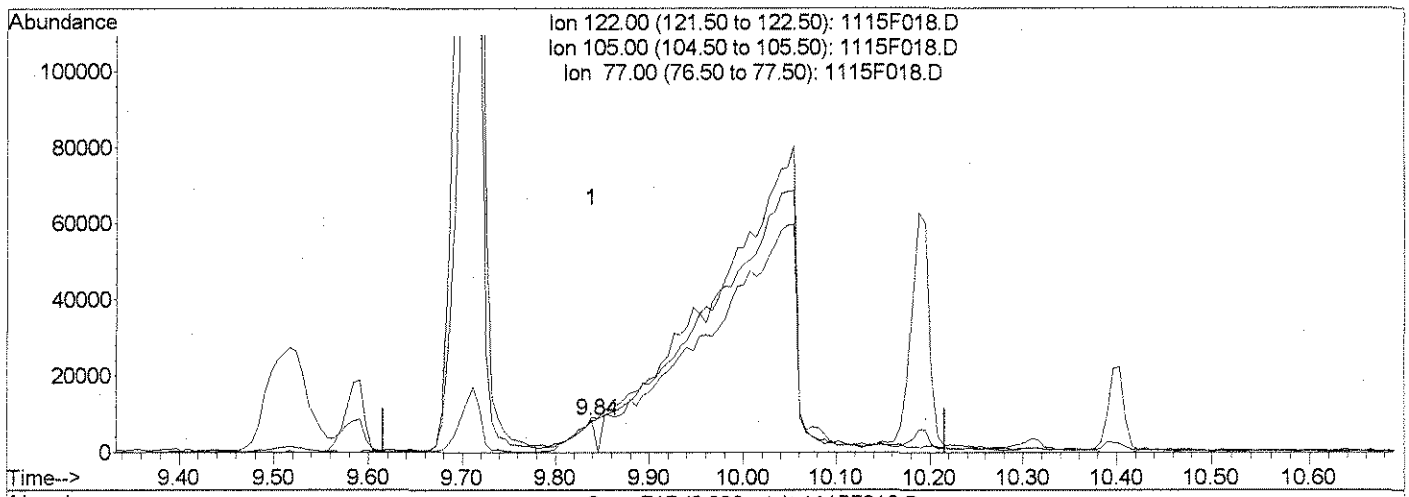
1115F018.D 111510_BNLL.M Tue Nov 16 08:45:50 2010

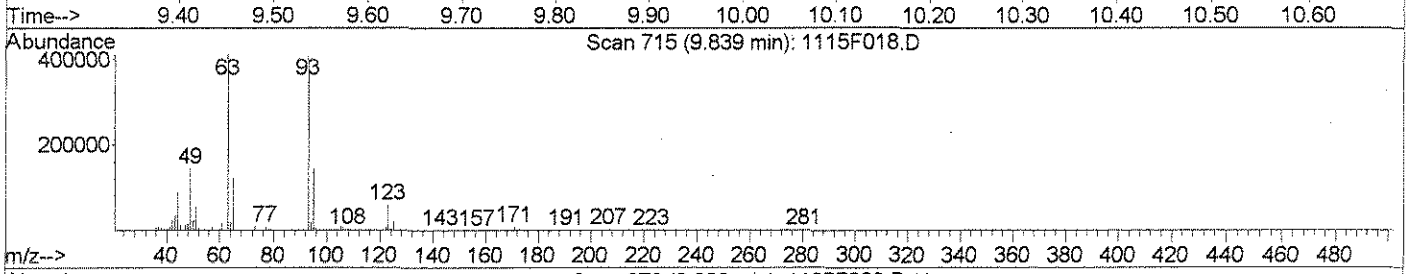
Quantitation Report (Qedit)

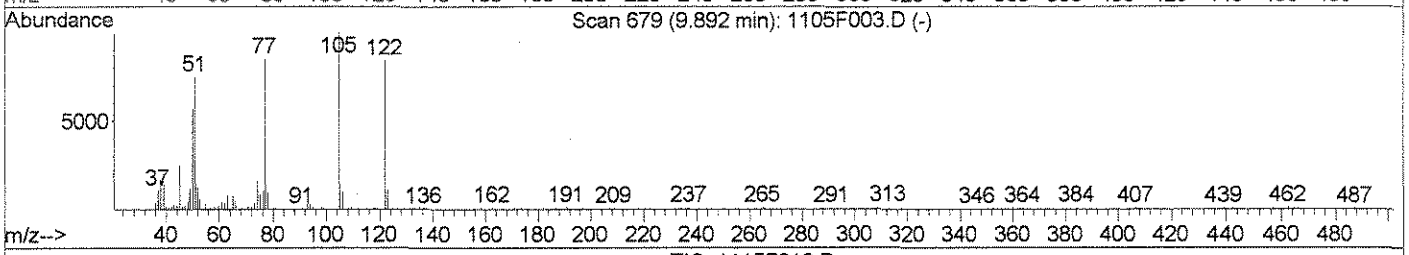
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:45 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F018.D

(28) Benzoic Acid (T)

9.84min 973.53ng/ml

response 14585

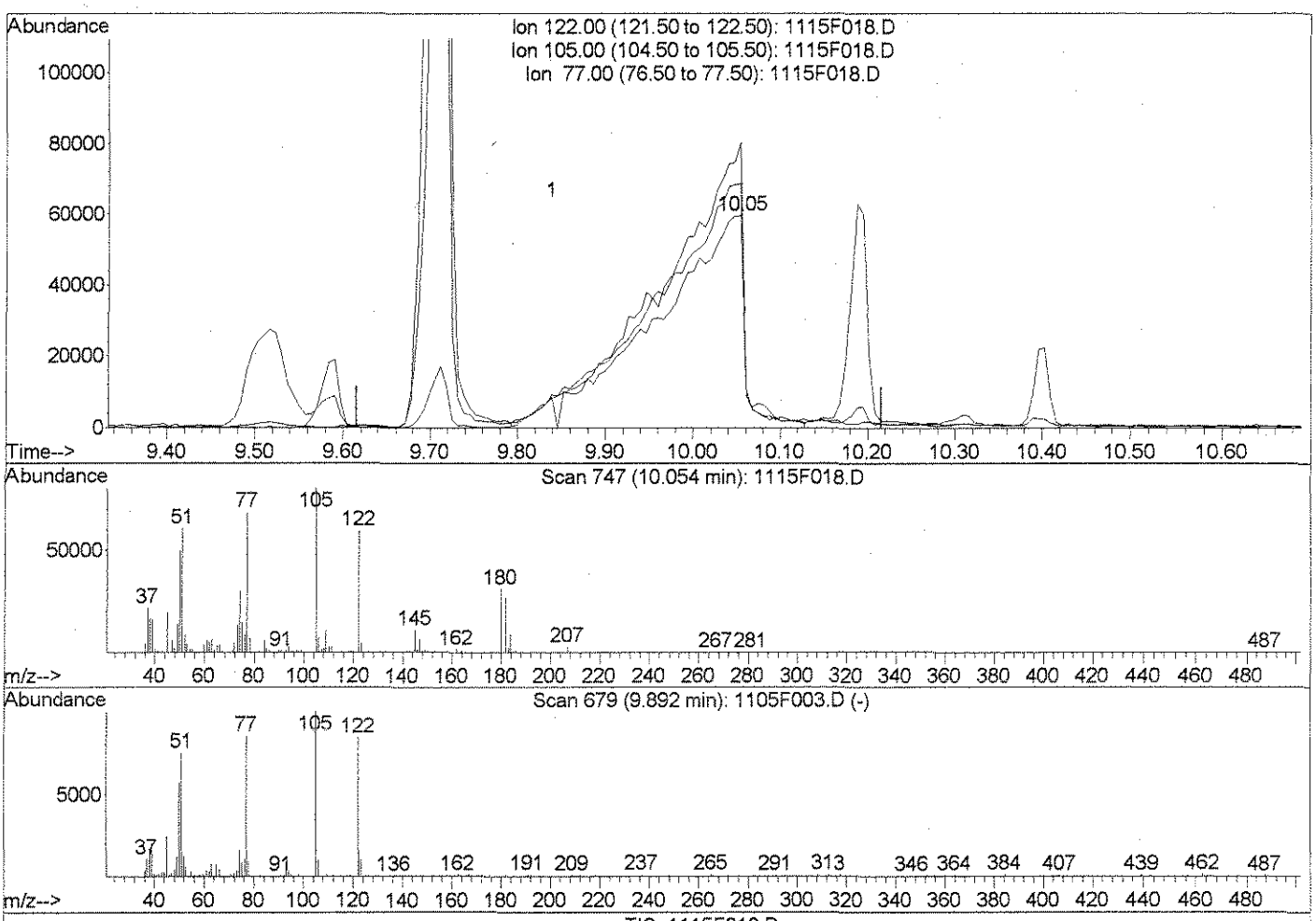
Ion	Exp%	Act%
122.00	100	100
105.00	122.80	106.87
77.00	88.90	80.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:46 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



(28) Benzoic Acid (T)

10.05min 8181.59ng/ml m

response 420599

Ion	Exp%	Act%
122.00	100	100
105.00	122.80	134.50
77.00	88.90	115.03
0.00	0.00	0.00

1c

LB

NOV 16 2010

CH 11.17.10

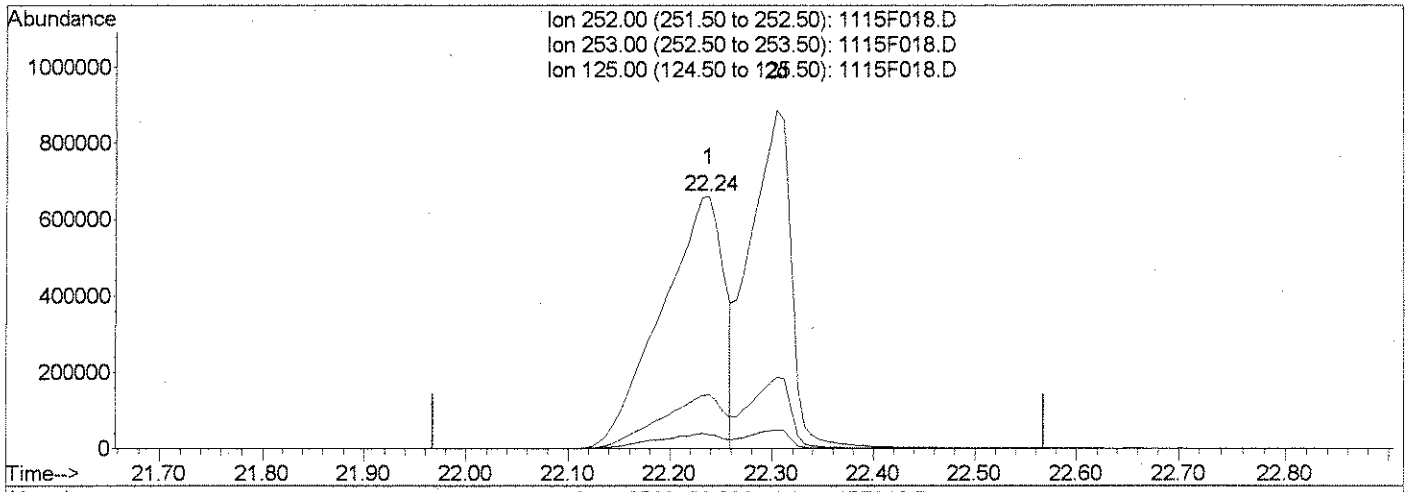
1115F018.D 111510_BNLL.M Tue Nov 16 08:46:11 2010

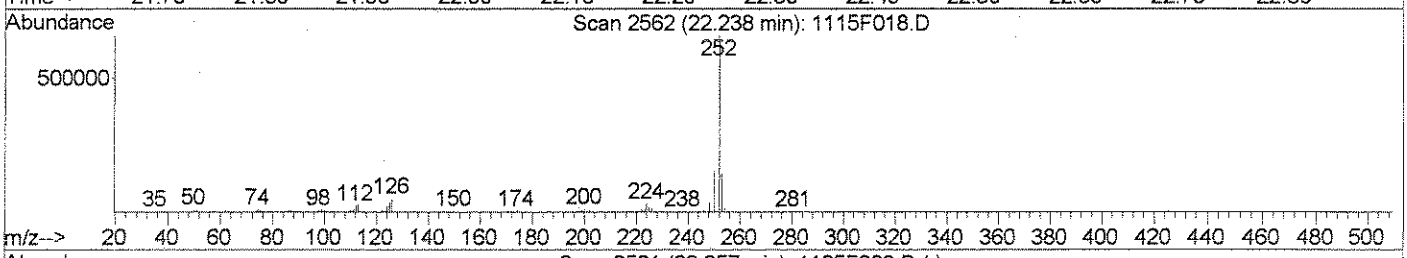
Quantitation Report (Qedit)

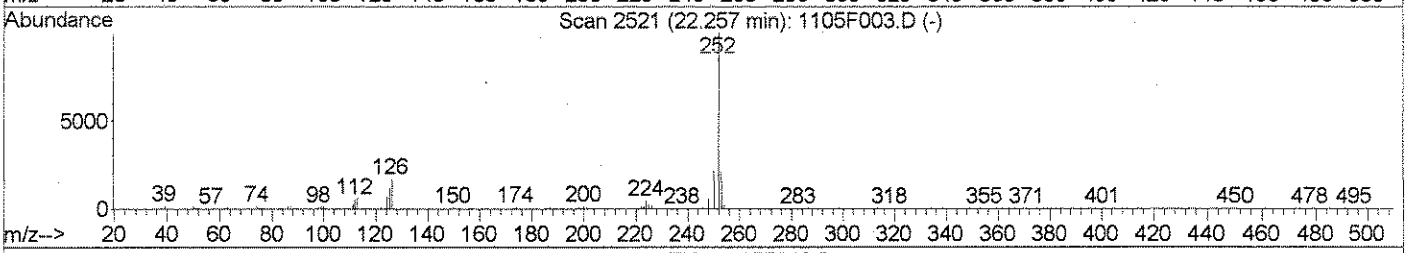
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:46 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F018.D

(82) Benzo(k)fluoranthene (T)

22.24min 10881.78ng/ml

response 2814667

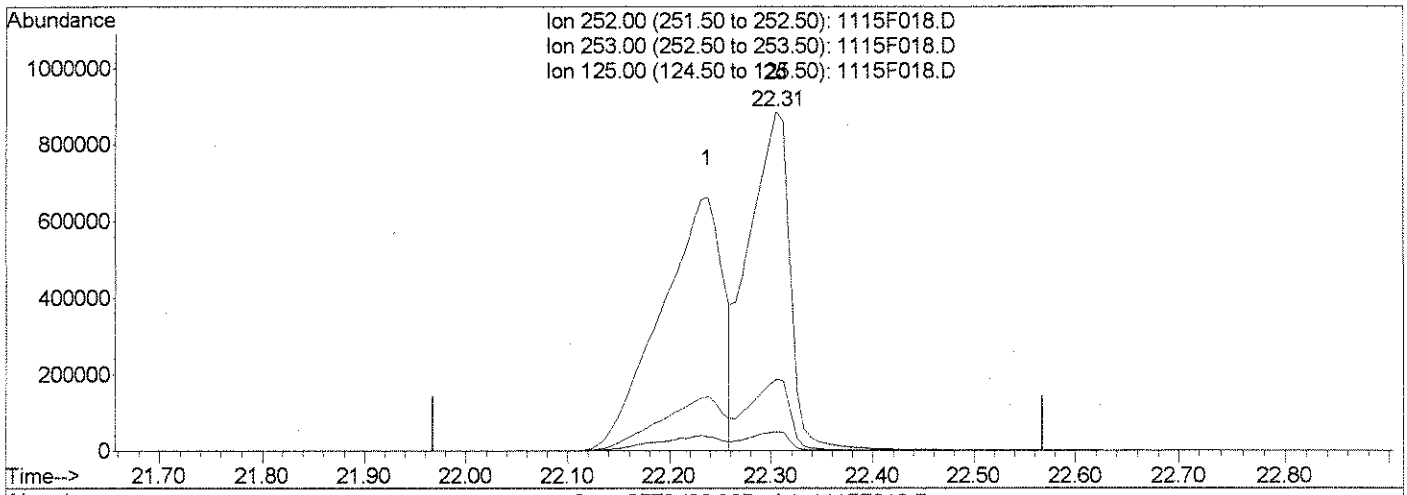
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.51
125.00	12.00	5.48
0.00	0.00	0.00

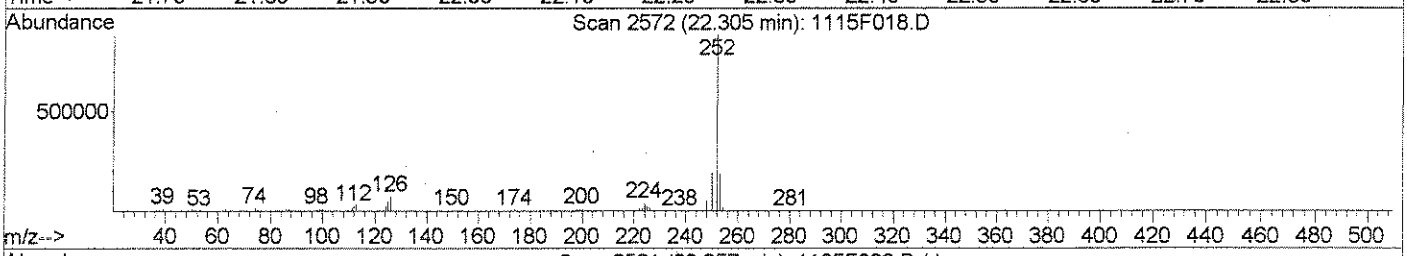
Quantitation Report (Qedit)

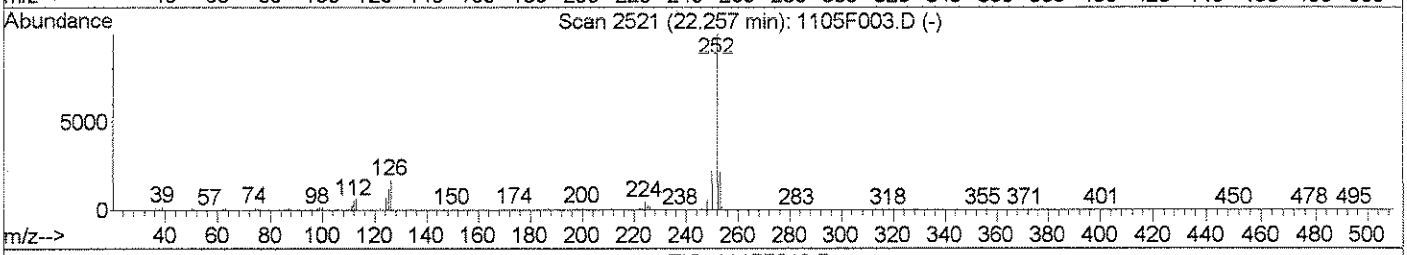
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:46 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F018.D

(82) Benzo(k)fluoranthene (T)

22.31min 9561.60ng/ml m

response 2473191

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.17
125.00	12.00	5.58
0.00	0.00	0.00

WP

LB

NOV 16 2010

CH 11.17.10

1115F018.D 111510_BNLL.M Tue Nov 16 08:46:47 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F019.D Vial: 15
Acq On : 15 Nov 2010 10:46 pm Operator: KBailey
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:56:16 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	70828	1000.00 ng/ml	0.00
22) Naphthalene-d8	10.14	136	218577	1000.00 ng/ml	0.00
36) Acenaphthene-d10	12.95	164	114509	1000.00 ng/ml	0.00
60) Phenanthrene-d10	15.36	188	225160	1000.00 ng/ml	0.00
70) Chrysene-d12	19.72	240	267819	1000.00 ng/ml	0.00
79) Perylene-d12	23.15	264	232891	1000.00 ng/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	6.65	112	226346	3231.55 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 86.17%		
6) Phenol-d6	7.81	99	250792	3050.90 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 81.36%		
20) Nitrobenzene-d5	9.07	82	295633	3169.08 ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 126.76%		
40) 2-Fluorobiphenyl	11.90	172	581953	3091.21 ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 123.65%		
61) 2,4,6-Tribromophenol	14.25	330	127460	3241.45 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 86.44%		
73) Terphenyl-d14	18.02	244	661397	3130.00 ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 125.20%		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.40	42	326956m	2988.53 ng/ml	
3) Pyridine	5.45	79	231487m	3108.75 ng/ml	
5) Bis(2-chloroethyl) Ether	7.94	93	191064	2894.09 ng/ml	99
7) Phenol	7.83	94	285502	3152.26 ng/ml	98
8) Aniline	7.84	93	310791	3312.35 ng/ml	89
9) 2-Chlorophenol	7.99	128	261074	3168.54 ng/ml	99
10) 1,3-Dichlorobenzene	8.20	146	287564	2771.95 ng/ml	98
11) 1,4-Dichlorobenzene	8.30	146	297028	2821.67 ng/ml	96
12) 1,2-Dichlorobenzene	8.51	146	273280	2817.72 ng/ml	97
13) Benzyl Alcohol	8.49	108	142428	3401.03 ng/ml	92
14) Bis(2-chloroisopropyl) Eth	8.69	45	396225	2833.38 ng/ml	98
15) 2-Methylphenol	8.66	107	181539	3005.57 ng/ml	98
17) Hexachloroethane	8.98	117	127773	3079.46 ng/ml	88
18) N-Nitrosodi-n-propylamine	8.88	70	167526	2810.13 ng/ml	98
19) 4-Methylphenol	8.90	107	259828	3299.03 ng/ml	99
21) Nitrobenzene	9.10	77	272672	2933.54 ng/ml	98
23) Isophorone	9.47	82	435366	2852.76 ng/ml	100
24) 2-Nitrophenol	9.57	139	149255	3218.71 ng/ml	95
25) 2,4-Dimethylphenol	9.69	122	181999	2816.73 ng/ml	99
26) Bis(2-chloroethoxy)methane	9.83	93	219205	2987.57 ng/ml	99

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F019.D
Acq On : 15 Nov 2010 10:46 pm
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:56:16 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27)	2,4-Dichlorophenol	9.95	162	227208	3294.12	ng/ml	98
28)	Benzoic Acid	9.91	122	107087	3248.07	ng/ml	99
29)	1,2,4-Trichlorobenzene	10.07	180	266535	2882.58	ng/ml	97
30)	Naphthalene	10.18	128	630814	2897.94	ng/ml	99
31)	4-Chloroaniline	10.30	127	293781	3220.86	ng/ml	99
32)	Hexachlorobutadiene	10.39	225	210605	2885.24	ng/ml	99
33)	4-Chloro-3-methylphenol	11.11	107	231067	3294.31	ng/ml	95
34)	2-Methylnaphthalene	11.29	141	399343	3235.21	ng/ml	99
35)	1-Methylnaphthalene	11.43	141	383261	3008.30	ng/ml	99
37)	Hexachlorocyclopentadiene	11.54	237	131184	1621.40	ng/ml	97
38)	2,4,6-Trichlorophenol	11.76	196	191124	3192.73	ng/ml	97
39)	2,4,5-Trichlorophenol	11.81	196	218673	3388.63	ng/ml	98
41)	2-Chloronaphthalene	12.06	127	181727	2911.15	ng/ml	98
42)	2-Nitroaniline	12.26	65	178611	3296.02	ng/ml	98
43)	Acenaphthylene	12.72	152	533590	2406.72	ng/ml	100
44)	Dimethyl Phthalate	12.60	163	527394	2965.17	ng/ml	100
45)	2,6-Dinitrotoluene	12.68	165	134633	3231.63	ng/ml	98
46)	Acenaphthene	13.00	154	374119	2954.12	ng/ml	100
47)	3-Nitroaniline	12.94	138	133023	3279.47	ng/ml	99
48)	2,4-Dinitrophenol	13.11	184	78847	3053.69	ng/ml	94
49)	Dibenzofuran	13.29	168	656338	3154.68	ng/ml	100
50)	4-Nitrophenol	13.28	109	119059	3180.52	ng/ml#	82
51)	2,4-Dinitrotoluene	13.33	165	177188	2976.29	ng/ml	92
52)	2,3,4,6-Tetrachlorophenol	13.51	232	184466	3017.57	ng/ml	95
53)	Fluorene	13.85	166	489755	3016.73	ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.88	204	289809	2922.21	ng/ml	97
55)	Diethyl Phthalate	13.76	149	533411	2827.42	ng/ml	100
56)	4-Nitroaniline	13.94	138	137185	3336.66	ng/ml	97
57)	2-Methyl-4,6-dinitrophenol	13.98	198	130573	3181.16	ng/ml	87
58)	N-Nitrosodiphenylamine	14.09	169	332685	2837.95	ng/ml	98
59)	Azobenzene	14.14	77	530794	2942.19	ng/ml	97
62)	4-Bromophenyl Phenyl Ether	14.68	248	198031	3014.73	ng/ml	96
63)	Hexachlorobenzene	14.74	284	212931	2964.30	ng/ml	98
64)	Pentachlorophenol	15.08	266	145391	3059.33	ng/ml	98
65)	Phenanthrene	15.40	178	677230	3000.68	ng/ml	99
66)	Anthracene	15.48	178	699467	2982.60	ng/ml	100
67)	Carbazole	15.78	167	655092	3195.71	ng/ml	99
68)	Di-n-butyl Phthalate	16.43	149	831906	2905.48	ng/ml	99
69)	Fluoranthene	17.33	202	843629	2999.43	ng/ml	99
71)	Benzidine	17.62	184	462636	3147.17	ng/ml	98
72)	Pyrene	17.69	202	869157	3011.51	ng/ml	98

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

NOV 16 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F019.D Vial: 15
Acq On : 15 Nov 2010 10:46 pm Operator: KBailey
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:56:16 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
74)	Butyl Benzyl Phthalate	18.86	149	371571	2947.16 ng/ml	96
75)	3,3'-Dichlorobenzidine	19.72	252	365730	3198.84 ng/ml	100
76)	Benz(a)anthracene	19.70	228	805266	2907.05 ng/ml	98
77)	Chrysene	19.77	228	822140	2976.66 ng/ml	100
78)	Bis(2-ethylhexyl) Phthalat	19.94	149	497440	2975.03 ng/ml	99
80)	Di-n-octyl Phthalate	21.45	149	834845	3172.82 ng/ml	98
81)	Benzo(b)fluoranthene	22.17	252	722227	2888.86 ng/ml	98
82)	Benzo(k)fluoranthene	22.25	252	790341	2980.00 ng/ml	100
83)	Benzo(a)pyrene	23.01	252	726962	3473.02 ng/ml	98
84)	Indeno(1,2,3-cd)pyrene	25.55	276	585518	3104.20 ng/ml	98
85)	Dibenz(a,h)anthracene	25.63	278	618661	3123.35 ng/ml	98
86)	Benzo(g,h,i)perylene	26.05	276	622987	2998.64 ng/ml	98

LB
NOV 16 2010

CH 11.17.10

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

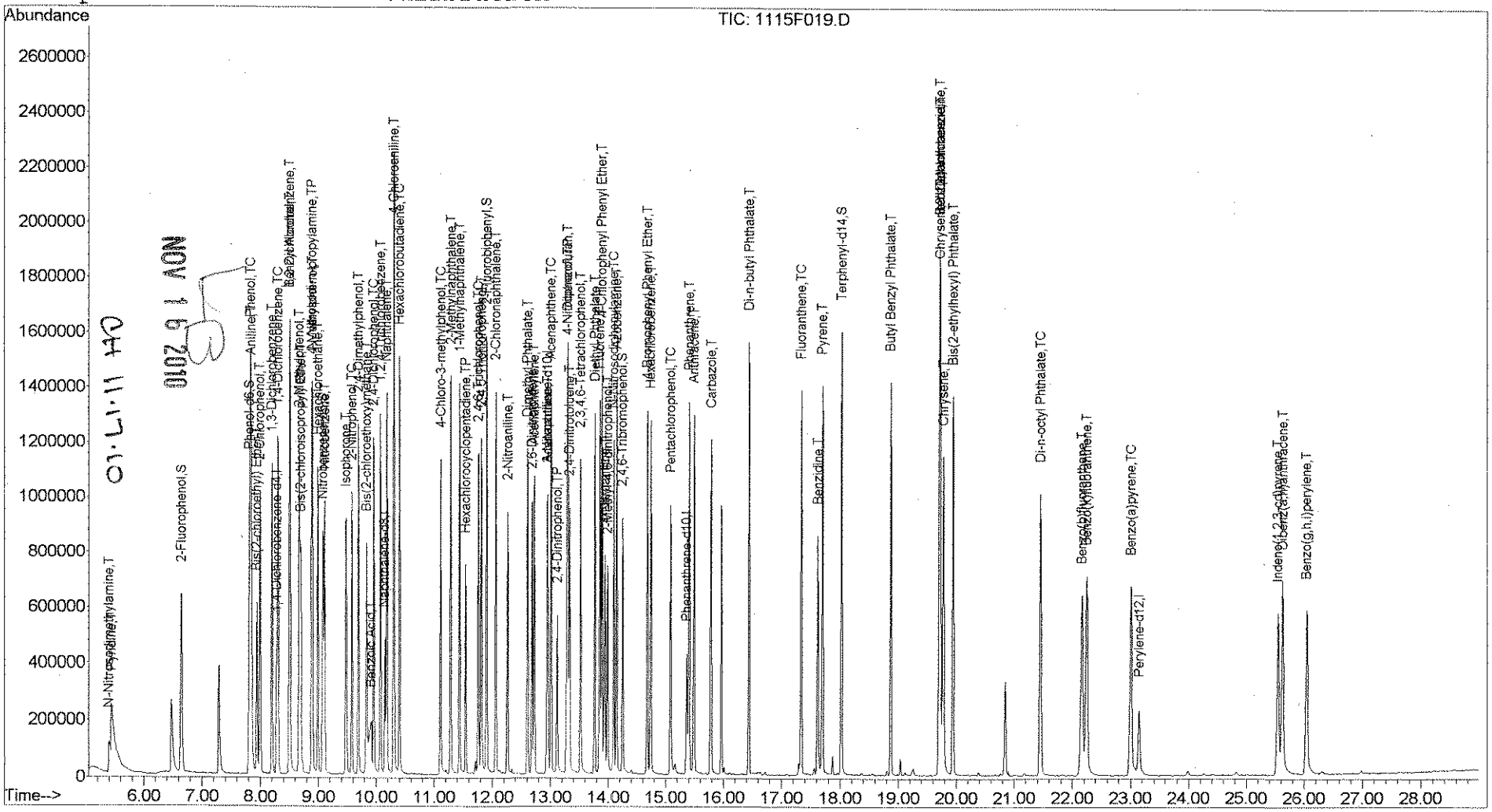
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F019.D
Acq On : 15 Nov 2010 10:46 pm
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:57 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



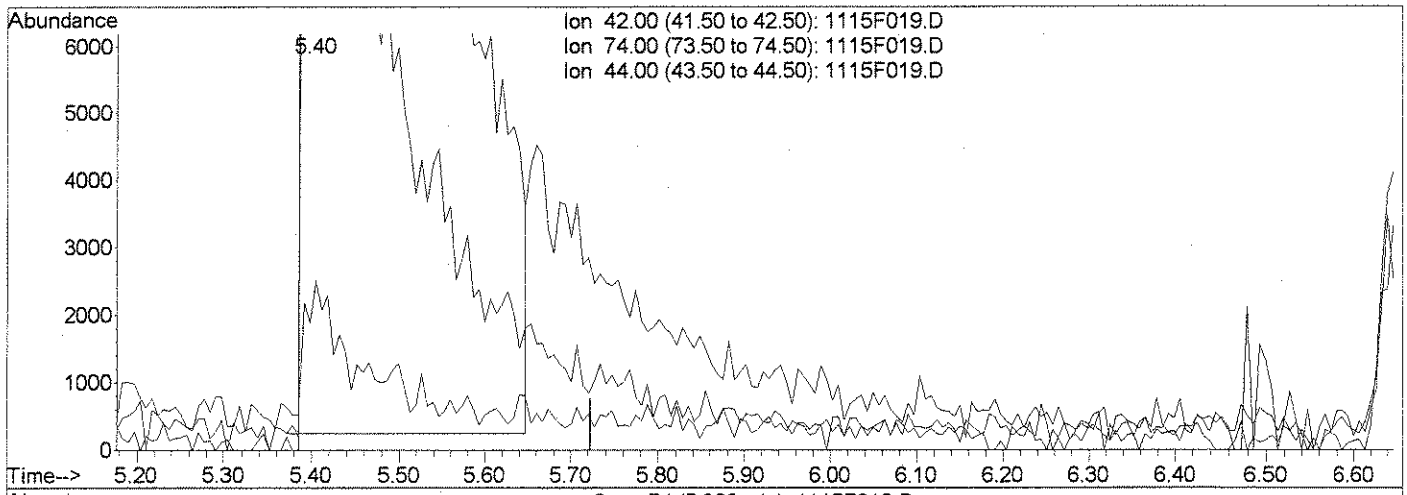
2185

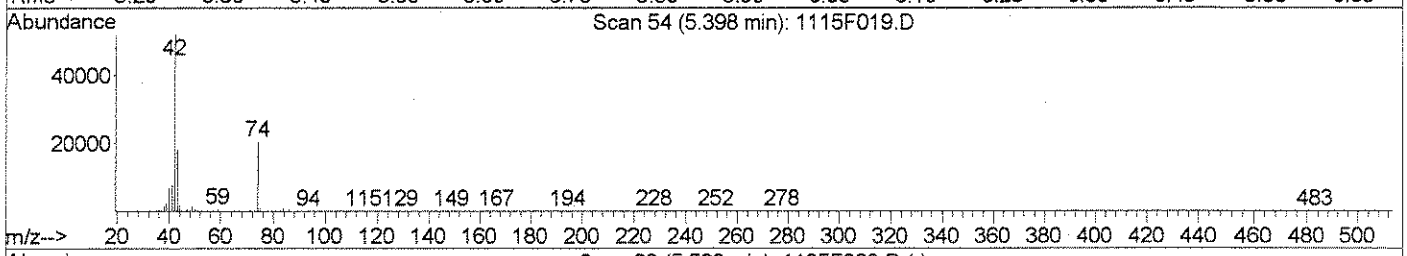
Quantitation Report (Qedit)

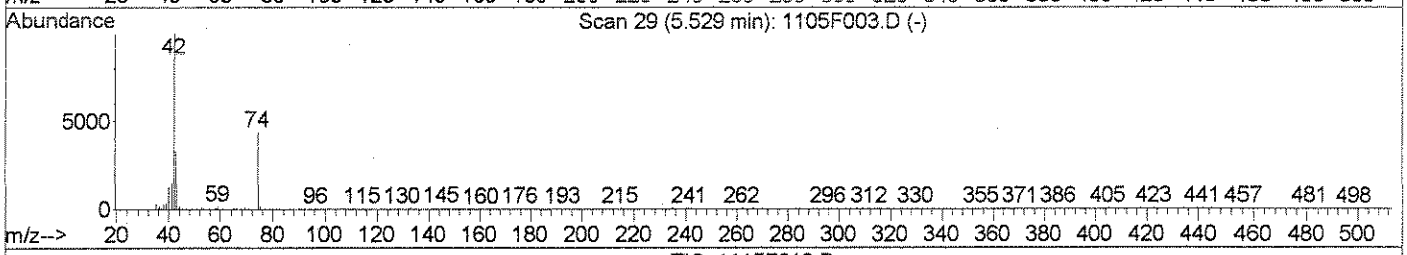
Data File : J:\MS06\DATA\111510\1115F019.D
Acq On : 15 Nov 2010 10:46 pm
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Single Level Calibration







TIC: 1115F019.D

(2) N-Nitrosodimethylamine (T)

5.40min 2426.04ng/ml

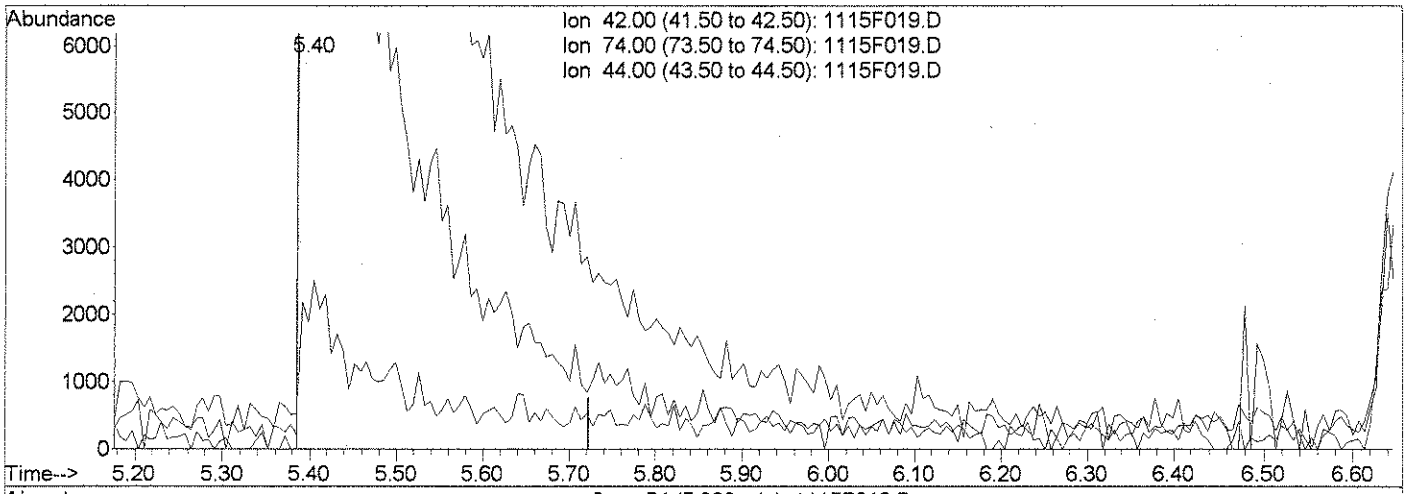
response 265418

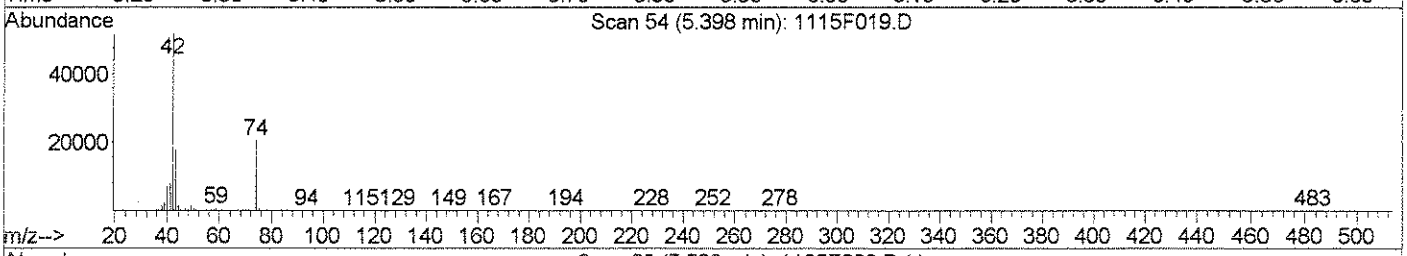
Ion	Exp%	Act%
42.00	100	100
74.00	40.50	39.32
44.00	4.40	2.41
0.00	0.00	0.00

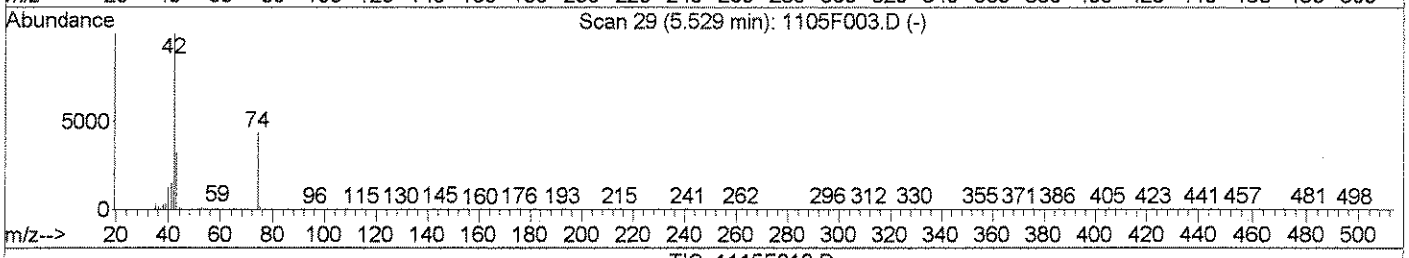
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F019.D Vial: 15
Acq On : 15 Nov 2010 10:46 pm Operator: KBailey
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:56 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Single Level Calibration







TIC: 1115F019.D

(2) N-Nitrosodimethylamine (T)

5.40min 2988.53ng/ml m

response 326956

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	39.52
44.00	4.40	3.62
0.00	0.00	0.00

1C

LB

NOV 16 2010

CH 11.17.10

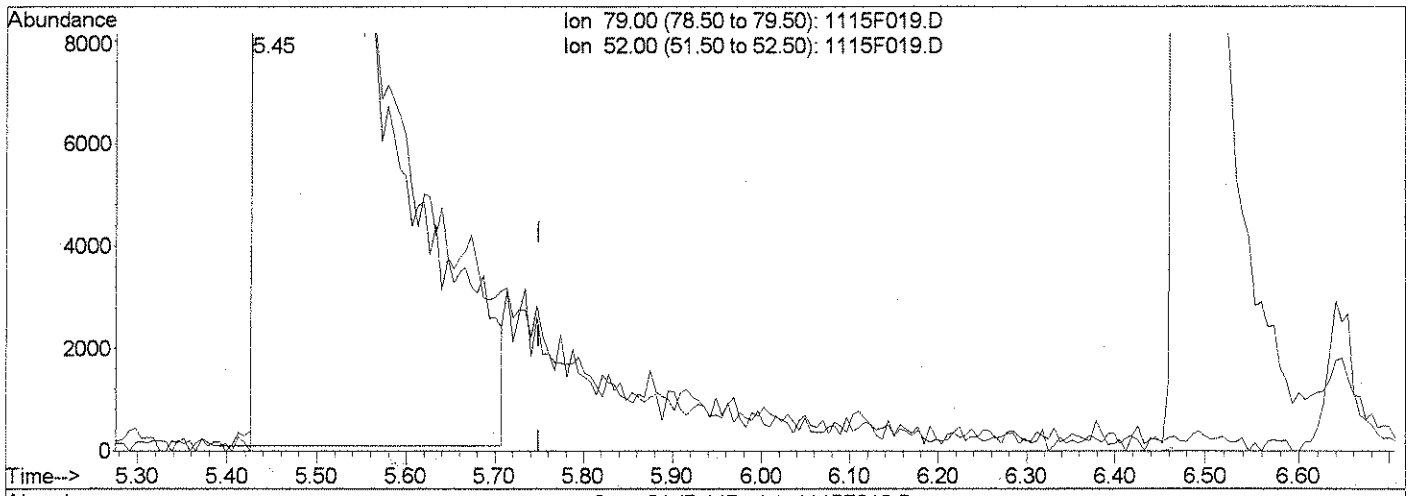
1115F019.D 111510_BNLL.M Tue Nov 16 08:56:41 2010

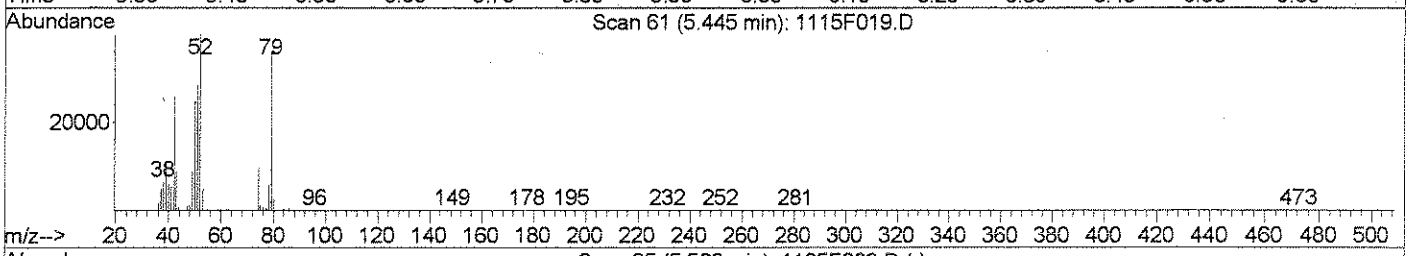
Quantitation Report (Qedit)

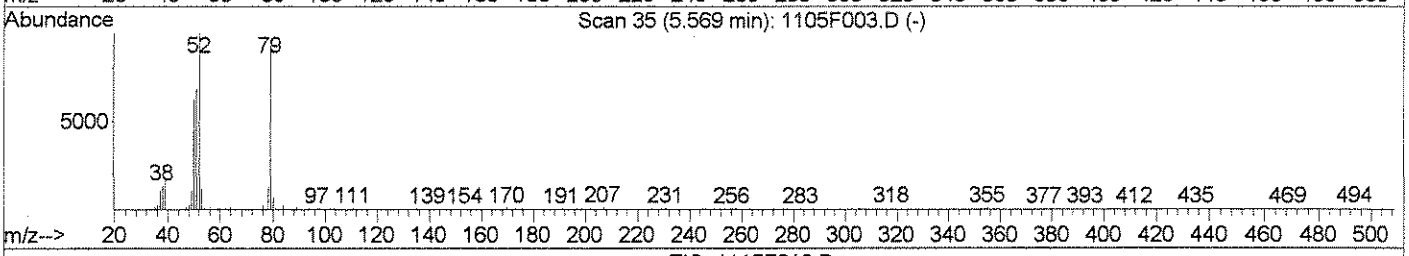
Data File : J:\MS06\DATA\111510\1115F019.D
Acq On : 15 Nov 2010 10:46 pm
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Single Level Calibration







TIC: 1115F019.D

(3) Pyridine (T)

5.45min 2677.40ng/ml

response 199367

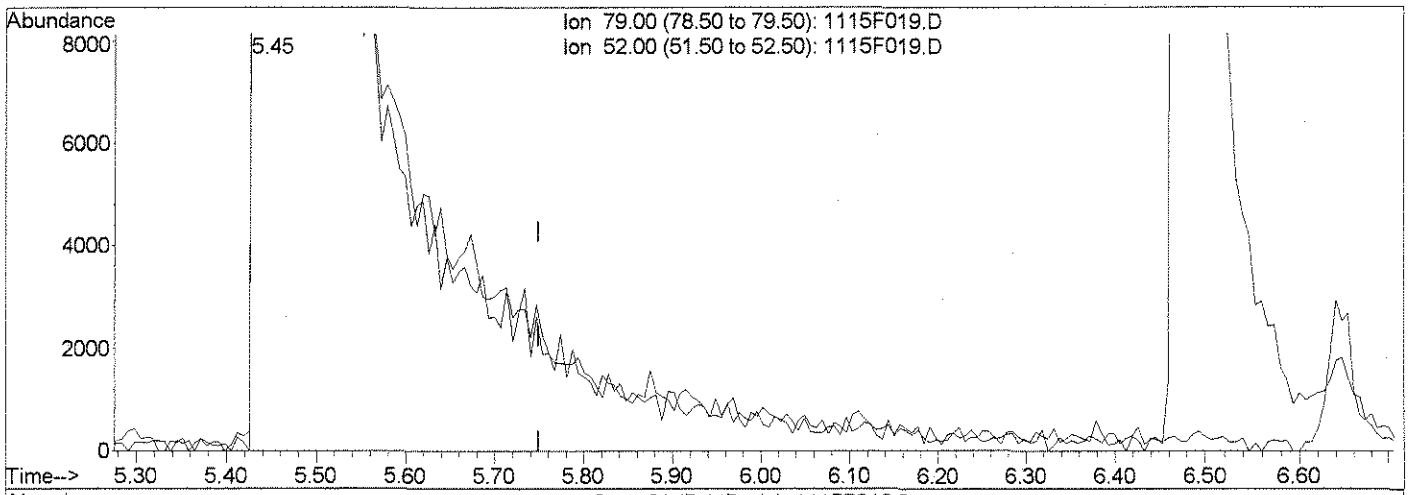
Ion	Exp%	Act%
79.00	100	100
52.00	97.10	109.26
0.00	0.00	0.00
0.00	0.00	0.00

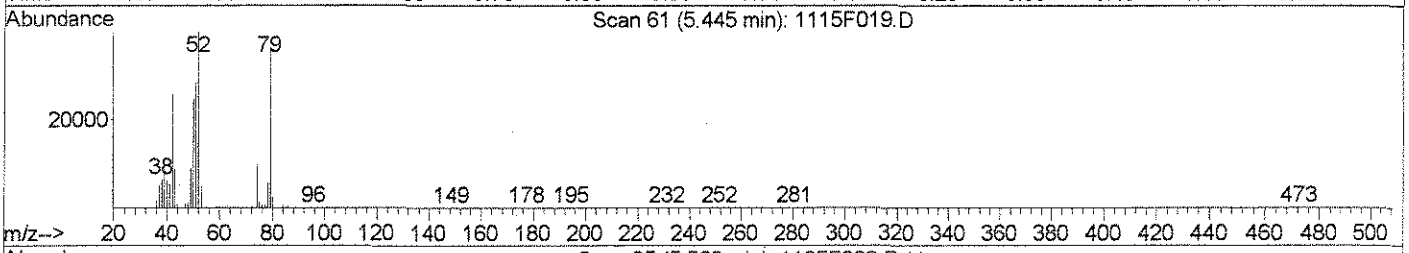
Quantitation Report (Qedit)

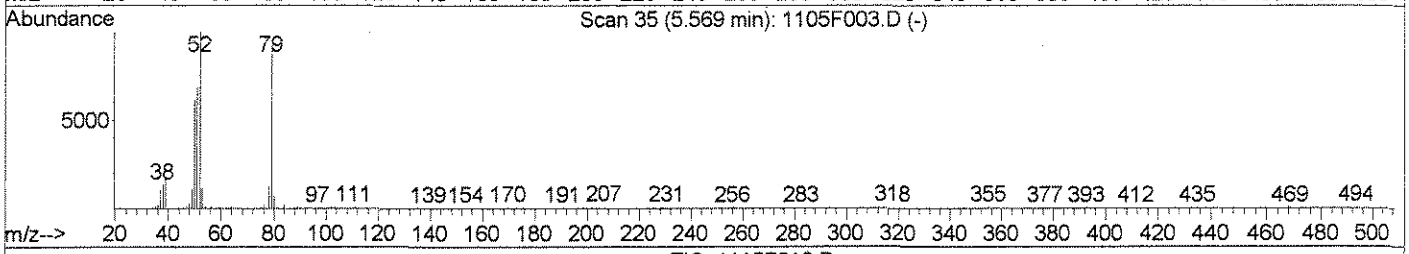
Data File : J:\MS06\DATA\111510\1115F019.D
Acq On : 15 Nov 2010 10:46 pm
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Single Level Calibration







TIC: 1115F019.D

(3) Pyridine (T)

5.45min 3108.75ng/ml m

response 231487

Ion	Exp%	Act%
79.00	100	100
52.00	97.10	109.45
0.00	0.00	0.00
0.00	0.00	0.00

10

NOV 16 2010

CH 11.17.10

1115F019.D 111510_BNLL.M Tue Nov 16 08:56:52 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F021.D Vial: 17
Acq On : 16 Nov 2010 12:01 am Operator: KBailey
Sample : 3.0ug/mL CLP ICV SVO_LL | SVM33-27C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:58:43 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	73462	1000.00 ng/ml	0.00
22) Naphthalene-d8	10.14	136	224684	1000.00 ng/ml	0.00
36) Acenaphthene-d10	12.95	164	117674	1000.00 ng/ml	0.00
60) Phenanthrene-d10	15.35	188	233089	1000.00 ng/ml	0.00
70) Chrysene-d12	19.71	240	276071	1000.00 ng/ml	-0.01
79) Perylene-d12	23.14	264	247619	1000.00 ng/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	6.64	112	236438	3254.60 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 86.79%		
6) Phenol-d6	7.81	99	260164	3051.43 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 81.37%		
20) Nitrobenzene-d5	9.07	82	308715	3190.66 ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 127.63%		
40) 2-Fluorobiphenyl	11.89	172	607997	3142.68 ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 125.71%		
61) 2,4,6-Tribromophenol	14.24	330	133209	3272.41 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 87.26%		
73) Terphenyl-d14	18.02	244	683034	3135.77 ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 125.43%		
Target Compounds					Qvalue
16) Acetophenone	8.86	105	358705	3488.44 ng/ml	99

LB
NOV 16 2010

CH 11.17.10

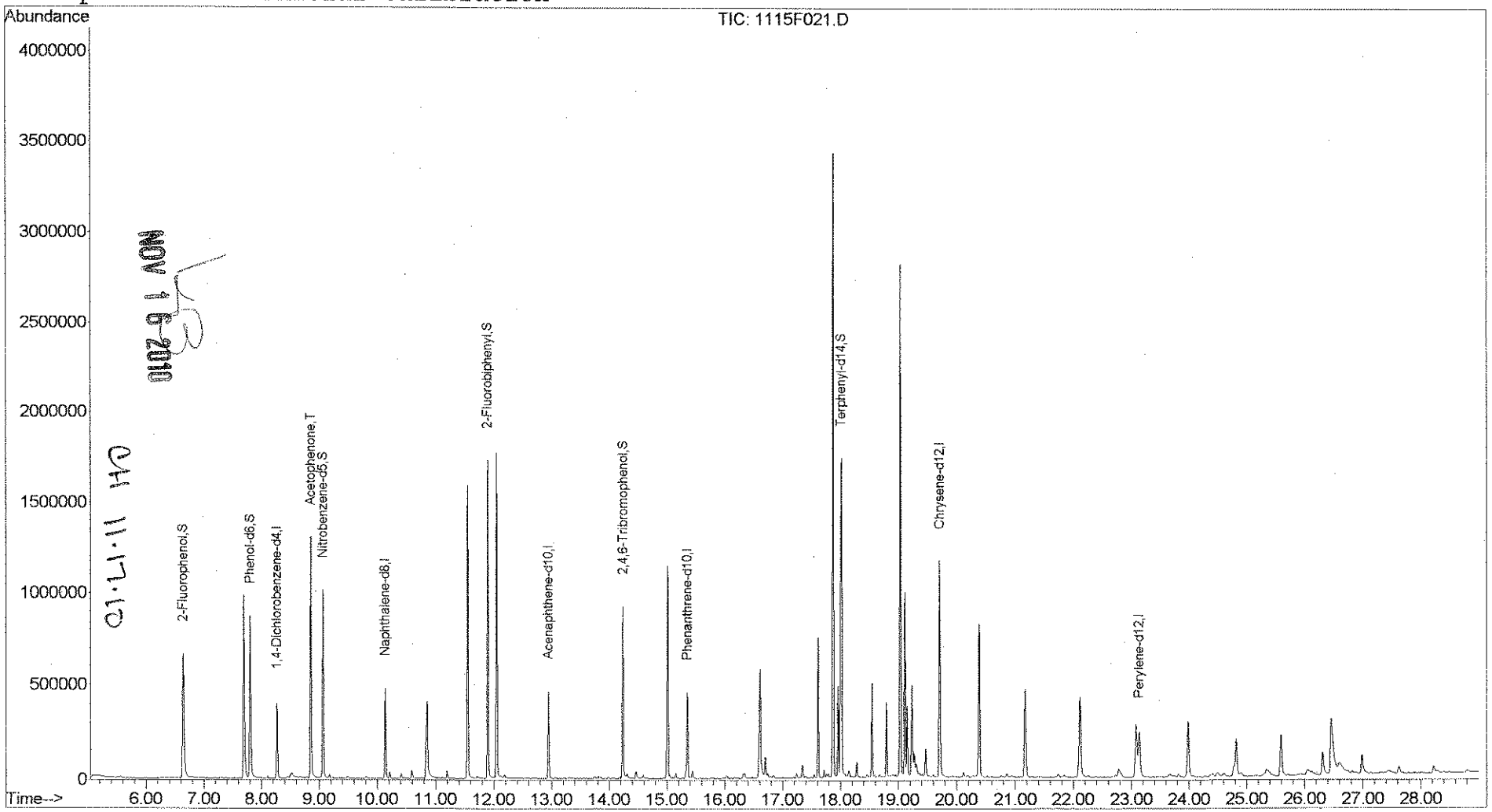
(#) = qualifier out of range (m) = manual integration
1115F021.D 111510_BNLL.M Tue Nov 16 09:05:53 2010 Page 1

Data File : J:\MS06\DATA\111510\1115F021.D
Acq On : 16 Nov 2010 12:01 am
Sample : 3.0ug/mL CLP ICV SVO_LL | SVM33-27C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 9:03 2010

Vial: 17
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



01.17.11 HC

NOV 16 2010

2191

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F022.D Vial: 18
Acq On : 16 Nov 2010 12:38 am Operator: KBailey
Sample : 5.0ug/mL HCCPD ICV SVO_LL | SVM33-54D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:57:56 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	64879	1000.00	ng/ml	0.00
22) Naphthalene-d8	10.14	136	194486	1000.00	ng/ml	-0.01
36) Acenaphthene-d10	12.94	164	103420	1000.00	ng/ml	0.00
60) Phenanthrene-d10	15.35	188	205243	1000.00	ng/ml	0.00
70) Chrysene-d12	19.70	240	232764	1000.00	ng/ml	-0.02
79) Perylene-d12	23.13	264	211091	1000.00	ng/ml	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.00%#			
6) Phenol-d6	0.00	99	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery = 0.00%#			
20) Nitrobenzene-d5	0.00	82	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery = 0.00%#			
40) 2-Fluorobiphenyl	0.00	172	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery = 0.00%#			
61) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.00%#			
73) Terphenyl-d14	0.00	244	0	0.00	ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery = 0.00%#			

Target Compounds						Qvalue
37) Hexachlorocyclopentadiene	11.54	237	372053	4980.63	ng/ml	100

LB
NOV 16 2010

CH 11.17.10

(#) = qualifier out of range (m) = manual integration
1115F022.D 111510_BNLL.M Tue Nov 16 09:05:54 2010 Page 1

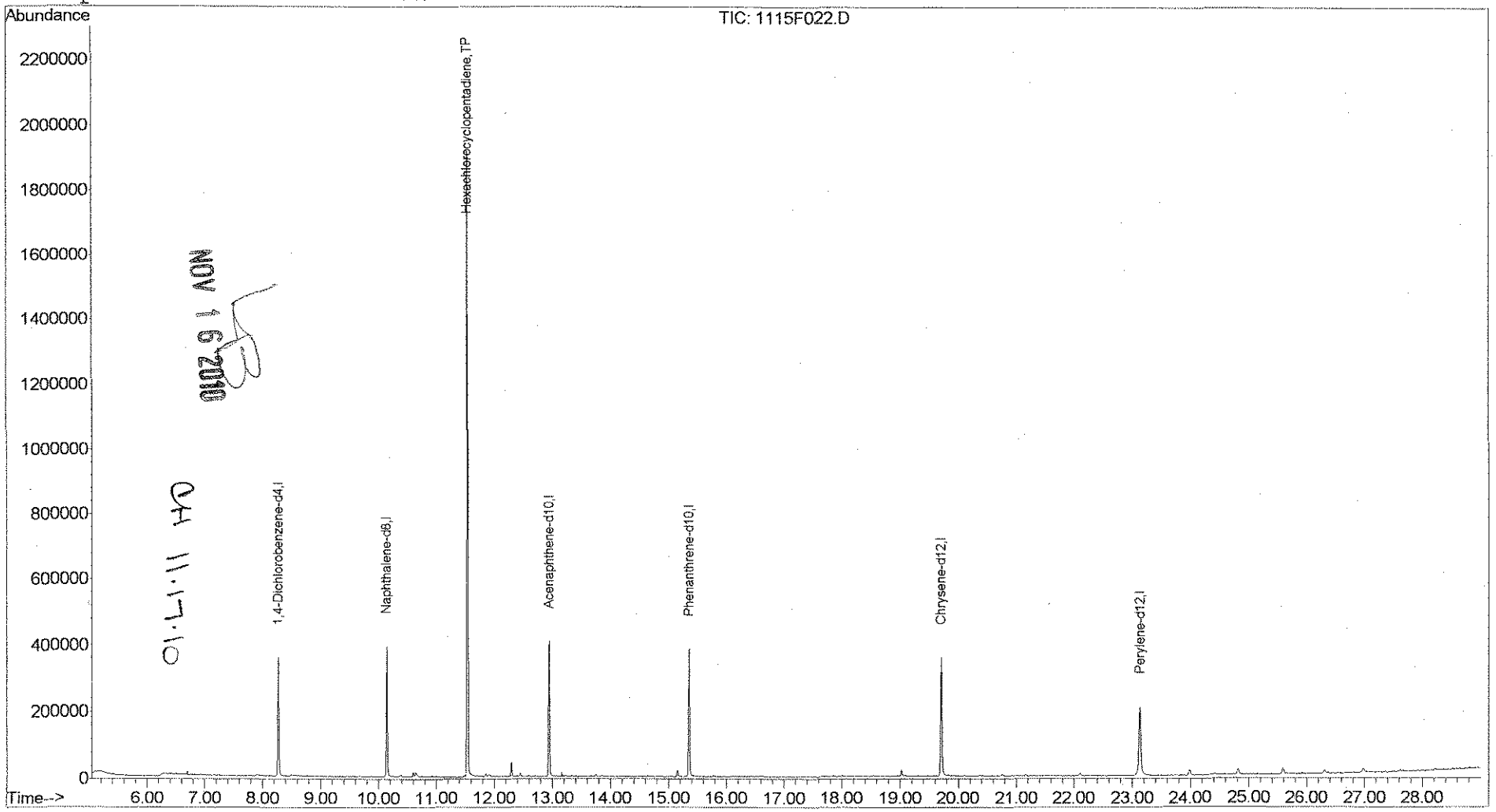
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F022.D
Acq On : 16 Nov 2010 12:38 am
Sample : 5.0ug/mL HCCPD ICV SVO_LL | SVM33-54D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:58 2010

Vial: 18
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



NOV 16 2010

2193

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/23/2010

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration Date: 11/15/2010
Calibration ID: CAL10053
Analysis Lot: KWG1012886
Units: ng/ml

File ID: J:\MS06\DATA\112310\1123F002.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzidine	3000	2500	0.01	0.549	0.452	-18	NA	± 30 %	AverageRF
N-Nitrosodimethylamine	3000	3200	0.01	1.54	1.66	8	NA	± 30 %	AverageRF
Bis(2-chloroethyl) Ether	3000	3100	0.01	0.932	0.967	4	NA	± 30 %	AverageRF
‡ Phenol	3000	3200	0.01	1.28	1.35	6	NA	± 20 %	AverageRF
2-Chlorophenol	3000	3200	0.01	1.16	1.26	8	NA	± 30 %	AverageRF
Bis(2-chloroisopropyl) Ether	3000	3100	0.01	1.97	2.06	4	NA	± 30 %	AverageRF
Hexachloroethane	3000	3300	0.01	0.586	0.637	9	NA	± 30 %	AverageRF
† N-Nitrosodi-n-propylamine	3000	3200	0.05	0.842	0.898	7	NA	± 30 %	AverageRF
Nitrobenzene	3000	3100	0.01	1.31	1.36	4	NA	± 30 %	AverageRF
Isophorone	3000	3000	0.01	0.698	0.690	-1	NA	± 30 %	AverageRF
‡ 2-Nitrophenol	3000	3200	0.01	0.212	0.223	5	NA	± 20 %	AverageRF
2,4-Dimethylphenol	3000	3000	0.01	0.296	0.293	-1	NA	± 30 %	AverageRF
Bis(2-chloroethoxy)methane	3000	3100	0.01	0.336	0.345	3	NA	± 30 %	AverageRF
‡ 2,4-Dichlorophenol	3000	3100	0.01	0.316	0.331	5	NA	± 20 %	AverageRF
Naphthalene	3000	2900	0.01	0.996	0.975	-2	NA	± 30 %	AverageRF
‡ Hexachlorobutadiene	3000	2900	0.01	0.334	0.326	-2	NA	± 20 %	AverageRF
‡ 4-Chloro-3-methylphenol	3000	3100	0.01	0.321	0.334	4	NA	± 20 %	AverageRF
† Hexachlorocyclopentadiene	3000	2500	0.05	0.660	0.583	NA	-18	± 30 %	Quadratic(0,
‡ 2,4,6-Trichlorophenol	3000	3000	0.01	0.523	0.521	0	NA	± 20 %	AverageRF
2-Chloronaphthalene	3000	2900	0.01	0.545	0.535	-2	NA	± 30 %	AverageRF
Acenaphthylene	3000	3100	0.01	1.94	1.98	2	NA	± 30 %	AverageRF
Dimethyl Phthalate	3000	2900	0.01	1.55	1.51	-3	NA	± 30 %	AverageRF
2,6-Dinitrotoluene	3000	3100	0.01	0.364	0.378	4	NA	± 30 %	AverageRF
‡ Acenaphthene	3000	3000	0.01	1.11	1.10	-1	NA	± 30 %	AverageRF
† 2,4-Dinitrophenol	3000	2400	0.05	0.202	0.179	NA	-19	± 30 %	Quadratic(0,
† 4-Nitrophenol	3000	2700	0.05	0.327	0.290	-11	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	3000	3100	0.01	0.520	0.533	2	NA	± 30 %	AverageRF
Fluorene	3000	3000	0.01	1.42	1.41	0	NA	± 30 %	AverageRF
4-Chlorophenyl Phenyl Ether	3000	3000	0.01	0.866	0.858	-1	NA	± 30 %	AverageRF
Diethyl Phthalate	3000	2900	0.01	1.65	1.57	-5	NA	± 30 %	AverageRF
2-Methyl-4,6-dinitrophenol	3000	2800	0.01	0.358	0.329	-8	NA	± 30 %	AverageRF
‡ N-Nitrosodiphenylamine	3000	3000	0.01	1.02	1.03	1	NA	± 20 %	AverageRF
Azobenzene	3000	3000	0.01	1.58	1.57	0	NA	± 30 %	AverageRF
4-Bromophenyl Phenyl Ether	3000	3000	0.01	0.292	0.290	-1	NA	± 30 %	AverageRF
Hexachlorobenzene	3000	3000	0.01	0.319	0.316	-1	NA	± 30 %	AverageRF
‡ Pentachlorophenol	3000	2500	0.01	0.195	0.172	NA	-18	± 20 %	Quadratic(0,
Phenanthrene	3000	3000	0.01	1.00	1.01	0	NA	± 30 %	AverageRF
Anthracene	3000	3000	0.01	1.04	1.04	0	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/23/2010

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration Date: 11/15/2010
Calibration ID: CAL10053
Analysis Lot: KWG1012886
Units: ng/ml

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Di-n-butyl Phthalate	3000	3000	0.01	1.27	1.26	-1	NA	± 30 %	AverageRF
‡ Fluoranthene	3000	3000	0.01	1.25	1.26	1	NA	± 20 %	AverageRF
Pyrene	3000	3000	0.01	1.08	1.07	0	NA	± 30 %	AverageRF
Butyl Benzyl Phthalate	3000	3000	0.01	0.471	0.474	1	NA	± 30 %	AverageRF
3,3'-Dichlorobenzidine	3000	3100	0.01	0.427	0.442	4	NA	± 30 %	AverageRF
Benz(a)anthracene	3000	3100	0.01	1.03	1.05	2	NA	± 30 %	AverageRF
Chrysene	3000	3000	0.01	1.03	1.03	0	NA	± 30 %	AverageRF
Bis(2-ethylhexyl) Phthalate	3000	3100	0.01	0.624	0.638	2	NA	± 30 %	AverageRF
‡ Di-n-octyl Phthalate	3000	3200	0.01	1.13	1.21	7	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	3000	3100	0.01	1.07	1.11	3	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	3000	3100	0.01	1.14	1.17	3	NA	± 30 %	AverageRF
‡ Benzo(a)pyrene	3000	3100	0.01	0.899	0.938	4	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	3000	3200	0.01	0.810	0.857	6	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	3000	3100	0.01	0.851	0.879	3	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	3000	3100	0.01	0.892	0.923	3	NA	± 30 %	AverageRF
2-Fluorophenol	3000	3100	0.01	0.989	1.02	4	NA	± 30 %	AverageRF
Phenol-d6	3000	3200	0.01	1.16	1.24	7	NA	± 30 %	AverageRF
Nitrobenzene-d5	3000	3200	0.01	1.32	1.39	6	NA	± 30 %	AverageRF
2-Fluorobiphenyl	3000	2900	0.01	1.64	1.61	-2	NA	± 30 %	AverageRF
2,4,6-Tribromophenol	3000	3000	0.01	0.175	0.176	1	NA	± 30 %	AverageRF
Terphenyl-d14	3000	3000	0.01	0.789	0.800	1	NA	± 30 %	AverageRF
‡ 1,4-Dichlorobenzene	3000	3000	0.01	1.49	1.48	0	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

Exception Report

Data File: J:\MS06\DATA\112310\1123F002.D
Lab ID: KWG1012886-2
RunType: CCV
Matrix: WATER

Date Acquired: 11/23/2010 13:31
Date Quantitated: 11/24/2010 08:22
Batch ID: KWG1012886
Analysis Method: 8270C
MethodJoinID: MJ142

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: LB 11/24/10

Secondary Review: CO 12/21/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/24/2010

Analysis Lot:	KWG1012886	**Prep Lot:**		**Report Group:**	
Analysis Method:	8270C	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:			
Tune Ref:	J:\MS06\DATA\112310\1123F001.D	**Method ID:**	MJ142
MB Ref:		**Quant based on Method**	

Data File:	J:\MS06\DATA\112310\1123F002.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 13:31	**Quant Date:**	11/24/2010 08:22	**Vial:**	2
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG1012886-2			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.19	-0.09	152	80553	1,000.00	OK
2	Naphthalene-d8	10.07	-0.08	136	255440	1,000.00	OK
3	Acenaphthene-d10	12.87	-0.08	164	135347	1,000.00	OK
4	Phenanthrene-d10	15.28	-0.08	188	261614	1,000.00	OK
5	Chrysene-d12	19.62	-0.10	240	304465	1,000.00	OK
6	Perylene-d12	23.00	-0.14	264	263419	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.56			112	247543	3,108		11-80	NA
1	Phenol-d6	7.75			99	299990	3,209		20-86	NA
1	Nitrobenzene-d5	9.00			82	335999	3,167		27-91	NA
3	2-Fluorobiphenyl	11.83			172	653381	2,936		25-97	NA
4	2,4,6-Tribromophenol	14.17			330	138380	3,029		10-119	NA
5	Terphenyl-d14	17.93			244	731067	3,043		33-129	NA

Target Compounds

Final Conc. Units:

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine	5.31			42	401965m	3,231			
1	Pyridine	5.33			79	274140m	3,237			
1	Bis(2-chloroethyl) Ether	7.86			93	233673	3,112			
1	Phenol	7.77			94	326215	3,167			
1	Aniline	7.76			93	345078	3,234			
1	2-Chlorophenol	7.92			128	303962	3,244			
1	1,3-Dichlorobenzene	8.11			146	348887	2,957			
1	1,4-Dichlorobenzene	8.22			146	357572	2,987			
1	1,2-Dichlorobenzene	8.43			146	338872	3,072			
1	Benzyl Alcohol	8.43			108	155504	3,265			

U: Undetected at or above MDL
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B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F002.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 13:31	**Quant Date:**	11/24/2010 08:22	**Vial:**	2
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG1012886-2			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:**

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bis(2-chloroisopropyl) Ether	8.62			45	497220	3,126			
1	2-Methylphenol	8.61			107	206808	3,011			
1	Acetophenone	8.79			105	353210	3,133			
1	Hexachloroethane	8.91			117	154039	3,264			
1	N-Nitrosodi-n-propylamine	8.81			70	217089	3,202			
1	4-Methylphenol	8.84			107	279054	3,115			
1	Nitrobenzene	9.03			77	328445	3,107			
2	Isophorone	9.40			82	528410	2,963			
2	2-Nitrophenol	9.50			139	171030	3,156			
2	2,4-Dimethylphenol	9.63			122	224500	2,973			
2	Bis(2-chloroethoxy)methane	9.77			93	264592	3,086			
2	2,4-Dichlorophenol	9.89			162	253486	3,145			
2	Benzoic Acid	9.87			122	105599	2,827			
2	1,2,4-Trichlorobenzene	10.00			180	319755	2,959			
2	Naphthalene	10.11			128	747469	2,938			
2	4-Chloroaniline	10.23			127	321758	3,019			
2	Hexachlorobutadiene	10.32			225	250122	2,932			
2	4-Chloro-3-methylphenol	11.05			107	255754	3,120			
2	2-Methylnaphthalene	11.21			141	436422	3,025			
2	1-Methylnaphthalene	11.36			141	442672	2,973			
3	Hexachlorocyclopentadiene	11.46			237	236896	2,463			
3	2,4,6-Trichlorophenol	11.69			196	211504	2,989			
3	2,4,5-Trichlorophenol	11.76			196	230192	3,018			
3	2-Chloronaphthalene	11.98			127	217096	2,942			
3	2-Nitroaniline	12.20			65	200377	3,128			
3	Acenaphthylene	12.64			152	802273	3,061			
3	Dimethyl Phthalate	12.53			163	613928	2,920			
3	2,6-Dinitrotoluene	12.61			165	153321	3,114			
3	Acenaphthene	12.93			154	444644	2,970			
3	3-Nitroaniline	12.87			138	146667	3,059			
3	2,4-Dinitrophenol	13.05			184	72510	2,426			
3	Dibenzofuran	13.22			168	728402	2,962			
3	4-Nitrophenol	13.24			109	117649	2,659			
3	2,4-Dinitrotoluene	13.26			165	216227	3,073			
3	2,3,4,6-Tetrachlorophenol	13.45			232	214420	2,968			
3	Fluorene	13.77			166	573204	2,987			
3	4-Chlorophenyl Phenyl Ether	13.81			204	348254	2,971			
3	Diethyl Phthalate	13.69			149	636048	2,852			
3	4-Nitroaniline	13.87			138	145313	2,990			
3	2-Methyl-4,6-dinitrophenol	13.91			198	133566	2,753			
3	N-Nitrosodiphenylamine	14.01			169	418853	3,023			
3	Azobenzene	14.06			77	639097	2,997			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112310\1123F002.D			**Instrument:**	MS06
Acqu Date:	11/23/2010 13:31	**Quant Date:**	11/24/2010 08:22	**Vial:**	2
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG1012886-2			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:**

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
4	4-Bromophenyl Phenyl Ether	14.60			248	227496	2,981			
4	Hexachlorobenzene	14.66			284	248083	2,972			
4	Pentachlorophenol	15.01			266	134885	2,453			
4	Phenanthrene	15.32			178	790515	3,015			
4	Anthracene	15.40			178	818074	3,002			
4	Carbazole	15.71			167	722214	3,032			
4	Di-n-butyl Phthalate	16.36			149	989668	2,975			
4	Fluoranthene	17.25			202	988497	3,025			
5	Benzidine	17.53			184	413138	2,472		N	
5	Pyrene	17.61			202	981525	2,992			
5	Butyl Benzyl Phthalate	18.78			149	432675	3,019			
5	3,3'-Dichlorobenzidine	19.62			252	403818	3,107			
5	Benz(a)anthracene	19.61			228	962752	3,057			
5	Chrysene	19.67			228	941583	2,999			
5	Bis(2-ethylhexyl) Phthalate	19.83			149	583176	3,068			
6	Di-n-octyl Phthalate	21.30			149	959130	3,223			
6	Benzo(b)fluoranthene	22.01			252	876966	3,101			
6	Benzo(k)fluoranthene	22.10			252	927645	3,092			
6	Benzo(a)pyrene	22.86			252	741631	3,132			
6	Indeno(1,2,3-cd)pyrene	25.43			276	677599	3,176			
6	Dibenz(a,h)anthracene	25.50			278	694515	3,100			
6	Benzo(g,h,i)perylene	25.92			276	729287	3,103			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
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D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
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*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F002.D
Acq On : 23 Nov 2010 1:31 pm
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:22:30 2010

Vial: 2
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	80553	1000.00 ng/ml	-0.08
22) Naphthalene-d8	10.07	136	255440	1000.00 ng/ml	-0.07
36) Acenaphthene-d10	12.87	164	135347	1000.00 ng/ml	-0.07
60) Phenanthrene-d10	15.28	188	261614	1000.00 ng/ml	-0.07
70) Chrysene-d12	19.62	240	304465	1000.00 ng/ml	-0.10
79) Perylene-d12	23.00	264	263419	1000.00 ng/ml	-0.15
System Monitoring Compounds					
4) 2-Fluorophenol	6.56	112	247543	3107.51 ng/ml	-0.09
Spiked Amount 3750.000	Range 38 - 110		Recovery = 82.87%		
6) Phenol-d6	7.75	99	299990	3208.81 ng/ml	-0.06
Spiked Amount 3750.000	Range 43 - 128		Recovery = 85.57%		
20) Nitrobenzene-d5	9.00	82	335999	3166.96 ng/ml	-0.07
Spiked Amount 2500.000	Range 30 - 139		Recovery = 126.68%		
40) 2-Fluorobiphenyl	11.83	172	653381	2936.28 ng/ml	-0.07
Spiked Amount 2500.000	Range 37 - 126		Recovery = 117.45%		
61) 2,4,6-Tribromophenol	14.17	330	138380	3028.79 ng/ml	-0.07
Spiked Amount 3750.000	Range 38 - 157		Recovery = 80.77%		
73) Terphenyl-d14	17.93	244	731067	3043.29 ng/ml	-0.09
Spiked Amount 2500.000	Range 54 - 158		Recovery = 121.73%		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.31	42	401965m	3230.57 ng/ml	
3) Pyridine	5.33	79	274140m	3237.09 ng/ml	
5) Bis(2-chloroethyl) Ether	7.86	93	233673	3112.18 ng/ml	100
7) Phenol	7.77	94	326215	3166.94 ng/ml	76
8) Aniline	7.76	93	345078	3233.76 ng/ml#	57
9) 2-Chlorophenol	7.92	128	303962	3243.68 ng/ml	97
10) 1,3-Dichlorobenzene	8.11	146	348887	2957.05 ng/ml	98
11) 1,4-Dichlorobenzene	8.22	146	357572	2986.73 ng/ml	97
12) 1,2-Dichlorobenzene	8.43	146	338872	3072.19 ng/ml	97
13) Benzyl Alcohol	8.43	108	155504	3264.98 ng/ml	95
14) Bis(2-chloroisopropyl) Eth	8.62	45	497220	3126.33 ng/ml	77
15) 2-Methylphenol	8.61	107	206808	3010.56 ng/ml	90
16) Acetophenone	8.79	105	353210	3132.62 ng/ml	99
17) Hexachloroethane	8.91	117	154039	3264.30 ng/ml	94
18) N-Nitrosodi-n-propylamine	8.81	70	217089	3201.88 ng/ml	99
19) 4-Methylphenol	8.84	107	279054	3115.38 ng/ml	95
21) Nitrobenzene	9.03	77	328445	3106.98 ng/ml	99
23) Isophorone	9.40	82	528410	2962.77 ng/ml	99
24) 2-Nitrophenol	9.50	139	171030	3156.03 ng/ml	97
25) 2,4-Dimethylphenol	9.63	122	224500	2973.09 ng/ml	96

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F002.D
Acq On : 23 Nov 2010 1:31 pm
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:22:30 2010

Vial: 2
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.77	93	264592	3085.74 ng/ml	98
27)	2,4-Dichlorophenol	9.89	162	253486	3144.74 ng/ml	99
28)	Benzoic Acid	9.87	122	105599	2827.19 ng/ml	92
29)	1,2,4-Trichlorobenzene	10.00	180	319755	2959.10 ng/ml	99
30)	Naphthalene	10.11	128	747469	2938.31 ng/ml	99
31)	4-Chloroaniline	10.23	127	321758	3018.51 ng/ml	98
32)	Hexachlorobutadiene	10.32	225	250122	2932.12 ng/ml	98
33)	4-Chloro-3-methylphenol	11.05	107	255754	3120.07 ng/ml	99
34)	2-Methylnaphthalene	11.21	141	436422	3025.37 ng/ml	99
35)	1-Methylnaphthalene	11.36	141	442672	2973.20 ng/ml	98
37)	Hexachlorocyclopentadiene	11.46	237	236896	2463.43 ng/ml	99
38)	2,4,6-Trichlorophenol	11.69	196	211504	2989.21 ng/ml	98
39)	2,4,5-Trichlorophenol	11.76	196	230192	3017.93 ng/ml	97
41)	2-Chloronaphthalene	11.98	127	217096	2942.30 ng/ml	98
42)	2-Nitroaniline	12.20	65	200377	3128.39 ng/ml	96
43)	Acenaphthylene	12.64	152	802273	3061.47 ng/ml	99
44)	Dimethyl Phthalate	12.53	163	613928	2920.27 ng/ml	100
45)	2,6-Dinitrotoluene	12.61	165	153321	3113.60 ng/ml	96
46)	Acenaphthene	12.93	154	444644	2970.45 ng/ml	100
47)	3-Nitroaniline	12.87	138	146667	3059.15 ng/ml	95
48)	2,4-Dinitrophenol	13.05	184	72510	2426.36 ng/ml	95
49)	Dibenzofuran	13.22	168	728402	2962.03 ng/ml	95
50)	4-Nitrophenol	13.24	109	117649	2658.98 ng/ml#	76
51)	2,4-Dinitrotoluene	13.26	165	216227	3072.85 ng/ml	98
52)	2,3,4,6-Tetrachlorophenol	13.45	232	214420	2967.54 ng/ml	97
53)	Fluorene	13.77	166	573204	2987.16 ng/ml	100
54)	4-Chlorophenyl Phenyl Ethe	13.81	204	348254	2970.90 ng/ml	96
55)	Diethyl Phthalate	13.69	149	636048	2852.40 ng/ml	99
56)	4-Nitroaniline	13.87	138	145313	2990.20 ng/ml	98
57)	2-Methyl-4,6-dinitrophenol	13.91	198	133566	2753.08 ng/ml	94
58)	N-Nitrosodiphenylamine	14.01	169	418853	3022.90 ng/ml	100
59)	Azobenzene	14.06	77	639097	2997.10 ng/ml	96
62)	4-Bromophenyl Phenyl Ether	14.60	248	227496	2980.71 ng/ml	95
63)	Hexachlorobenzene	14.66	284	248083	2972.42 ng/ml	97
64)	Pentachlorophenol	15.01	266	134885	2452.97 ng/ml	96
65)	Phenanthrene	15.32	178	790515	3014.56 ng/ml	100
66)	Anthracene	15.40	178	818074	3002.28 ng/ml	99
67)	Carbazole	15.71	167	722214	3032.22 ng/ml	99
68)	Di-n-butyl Phthalate	16.36	149	989668	2974.84 ng/ml	99
69)	Fluoranthene	17.25	202	988497	3024.77 ng/ml	99
71)	Benzidine	17.53	184	413138	2472.18 ng/ml	99

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112310\1123F002.D
Acq On : 23 Nov 2010 1:31 pm
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 08:22:30 2010

Vial: 2
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72)	Pyrene	17.61	202	981525	2991.52	ng/ml	99
74)	Butyl Benzyl Phthalate	18.78	149	432675	3018.76	ng/ml	97
75)	3,3'-Dichlorobenzidine	19.62	252	403818	3106.86	ng/ml	98
76)	Benz(a)anthracene	19.61	228	962752	3057.26	ng/ml	99
77)	Chrysene	19.67	228	941583	2998.79	ng/ml	100
78)	Bis(2-ethylhexyl) Phthalat	19.83	149	583176	3068.00	ng/ml	99
80)	Di-n-octyl Phthalate	21.30	149	959130	3222.72	ng/ml	98
81)	Benzo(b)fluoranthene	22.01	252	876966	3101.28	ng/ml	99
82)	Benzo(k)fluoranthene	22.10	252	927645	3092.35	ng/ml	99
83)	Benzo(a)pyrene	22.86	252	741631	3132.49	ng/ml	100
84)	Indeno(1,2,3-cd)pyrene	25.43	276	677599	3176.06	ng/ml	100
85)	Dibenz(a,h)anthracene	25.50	278	694515	3099.95	ng/ml	99
86)	Benzo(g,h,i)perylene	25.92	276	729287	3103.48	ng/ml	98

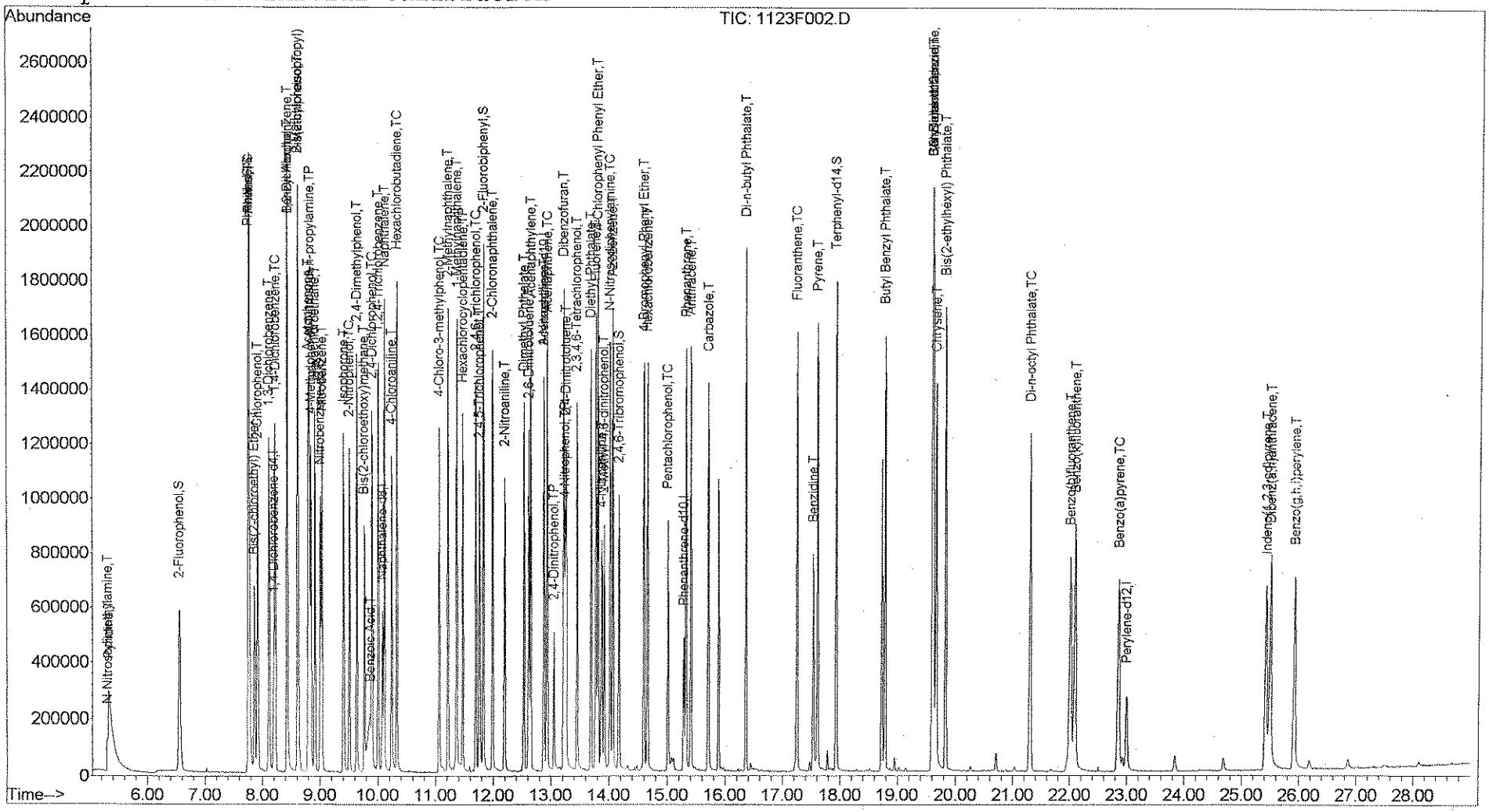
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS06\DATA\112310\1123F002.D
Acq On : 23 Nov 2010 1:31 pm
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:22 2010

Vial: 2
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration



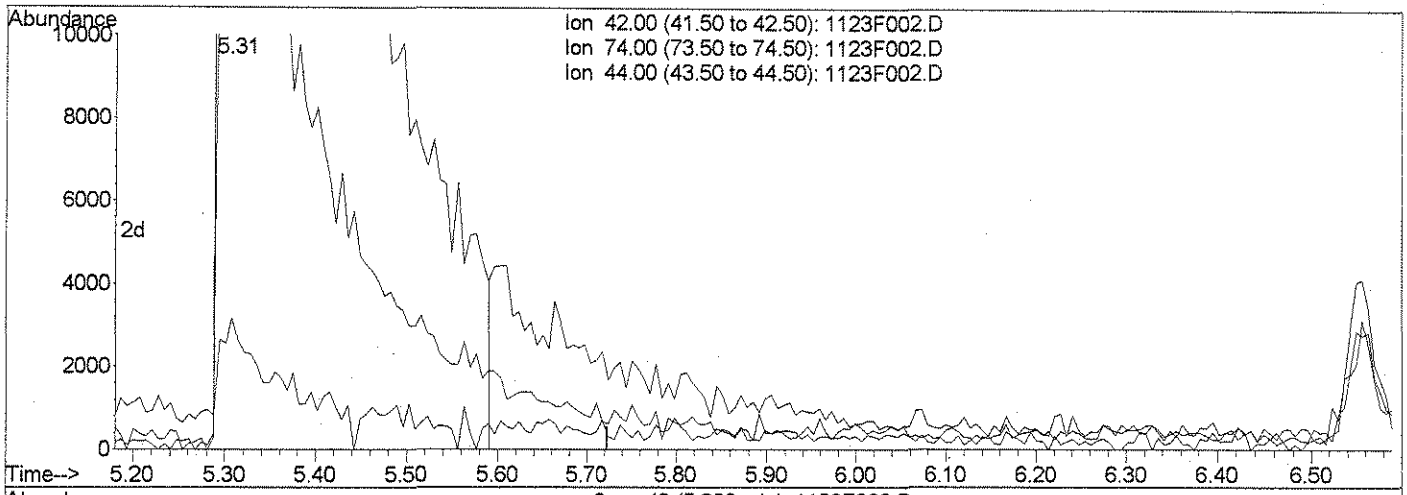
Quantitation Report (Qedit)

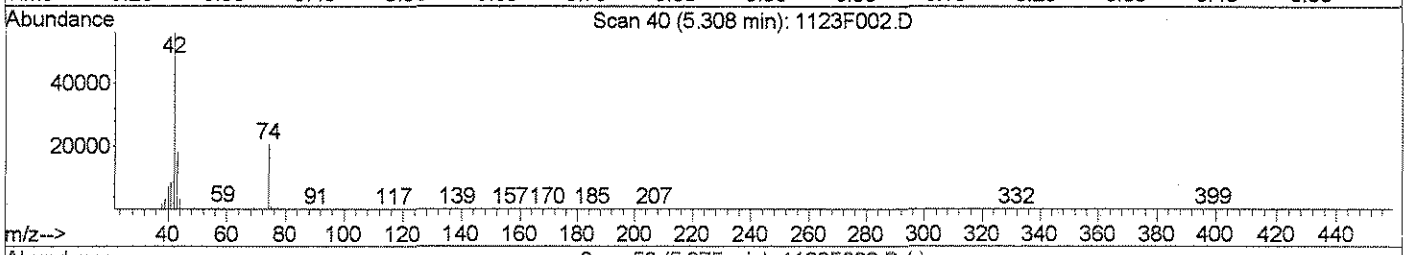
Data File : J:\MS06\DATA\112310\1123F002.D
Acq On : 23 Nov 2010 1:31 pm
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:22 2010

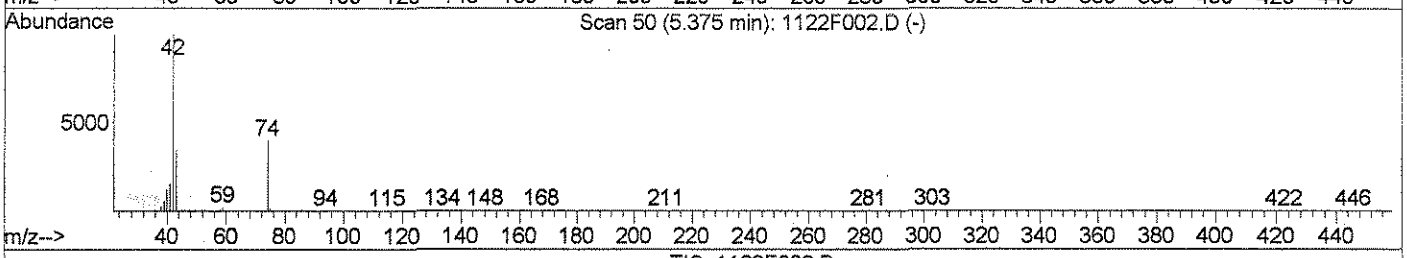
Vial: 2
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Single Level Calibration







TIC: 1123F002.D

(2) N-Nitrosodimethylamine (T)

5.31min 2757.29ng/ml

response 343076

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	36.73
44.00	4.40	4.54
0.00	0.00	0.00

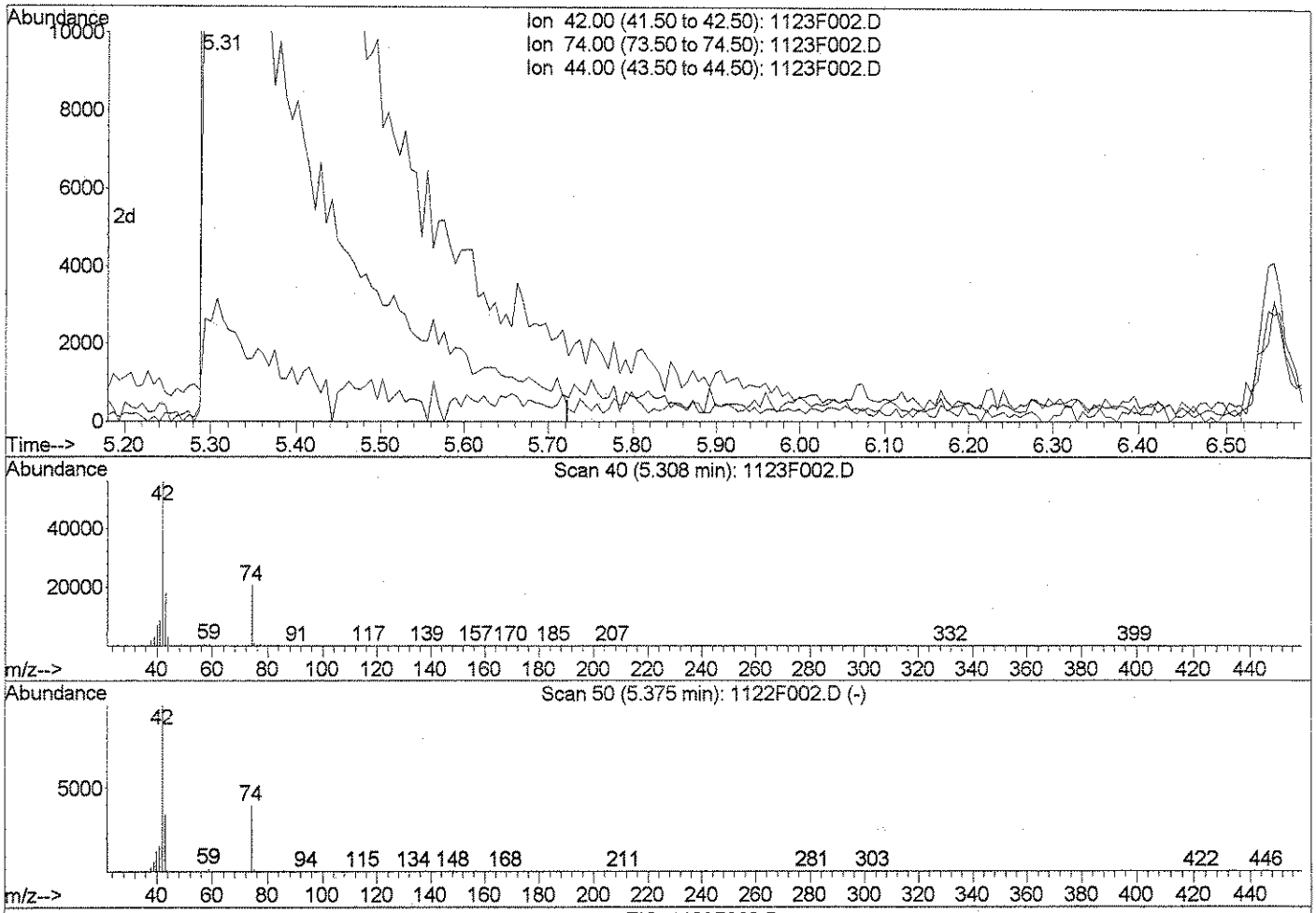
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F002.D
Acq On : 23 Nov 2010 1:31 pm
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:22 2010

Vial: 2
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Single Level Calibration



(2) N-Nitrosodimethylamine (T)

5.31min 3230.57ng/ml m

response 401965

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	37.09
44.00	4.40	5.64
0.00	0.00	0.00

1c

LB 11/24/10

1123F002.D 111510_BNLL.M Wed Nov 24 08:22:47 2010

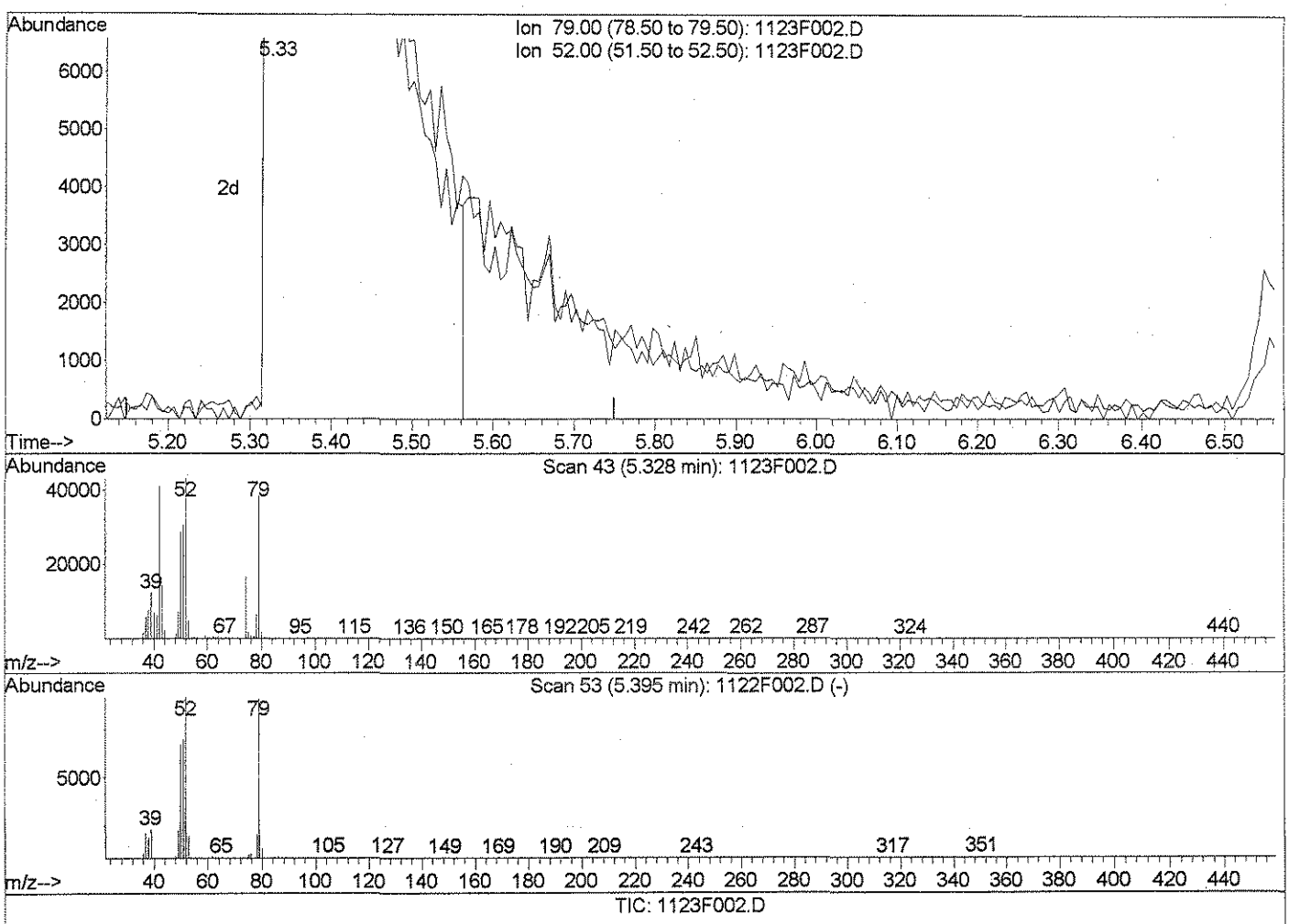
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112310\1123F002.D
Acq On : 23 Nov 2010 1:31 pm
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:22 2010

Vial: 2
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Single Level Calibration



(3) Pyridine (T)

5.33min 2666.90ng/ml

response 225852

Ion	Exp%	Act%
79.00	100	100
52.00	97.10	112.99
0.00	0.00	0.00
0.00	0.00	0.00

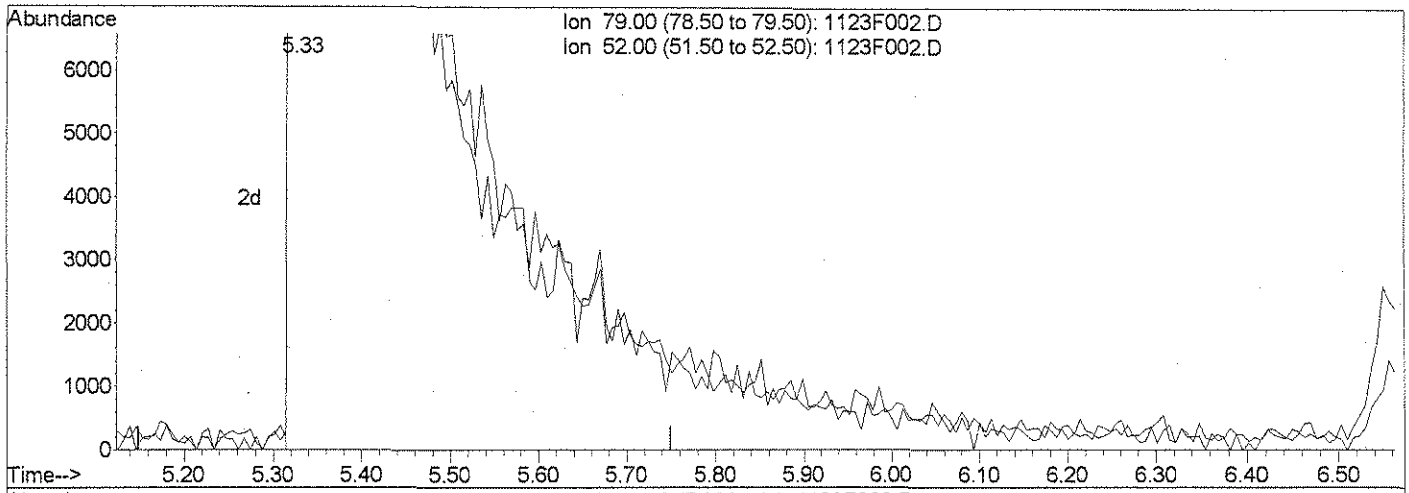
Quantitation Report (Qedit)

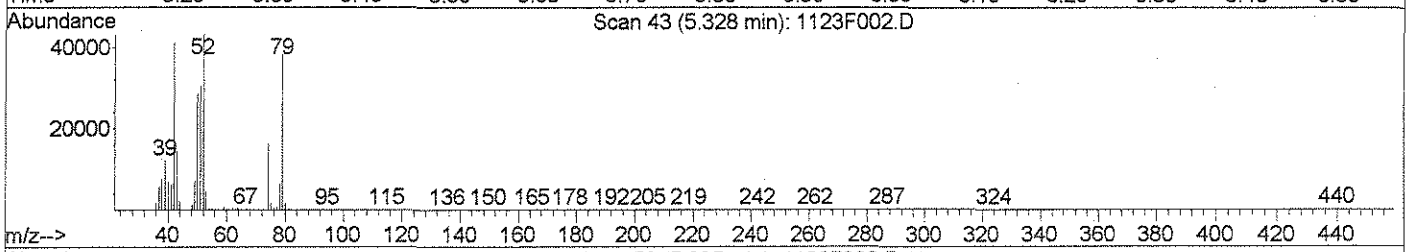
Data File : J:\MS06\DATA\112310\1123F002.D
Acq On : 23 Nov 2010 1:31 pm
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 24 8:22 2010

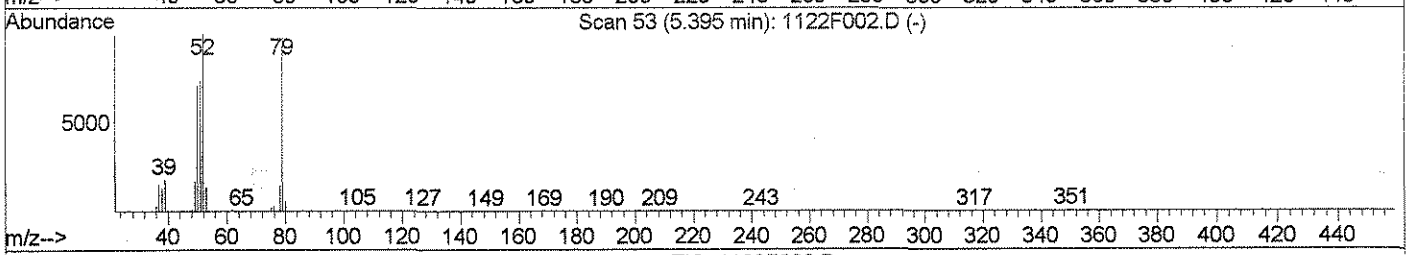
Vial: 2
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Single Level Calibration







TIC: 1123F002.D

(3) Pyridine (T)

5.33min 3237.09ng/ml m

response 274140

Ion	Exp%	Act%
79.00	100	100
52.00	97.10	112.99
0.00	0.00	0.00
0.00	0.00	0.00

1C
LB 11/24/10

1123F002.D 111510_BNLL.M Wed Nov 24 08:22:59 2010

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

Sample Prep and Screen Data

Preparation Information

Group ID:	KWG1012700	**Prep Method:**	EPA 3541	**Prep Date:**	11/19/10 00:00
Department:	Semivoa GCMS				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K1012914-001	SL0001	8270C SVO_LL	SEDIMENT	40.377g	2ml	
K1012914-002	SL0002	8270C SVO_LL	SEDIMENT	40.278g	2ml	
K1012914-009	SL0009	8270C SVO_LL	SEDIMENT	40.281g	2ml	
K1012914-010	SL0010	8270C SVO_LL	SEDIMENT	40.282g	2ml	
K1012914-016	SL0017	8270C SVO_LL	SEDIMENT	40.684g	2ml	
K1012914-017	SL0018	8270C SVO_LL	SEDIMENT	40.316g	2ml	
K1012914-018	SL0019	8270C SVO_LL	SEDIMENT	40.447g	2ml	
K1012914-019	SL0020	8270C SVO_LL	SEDIMENT	40.196g	2ml	
KWG1012700-1	Matrix Spike	8270C SVO_LL	SEDIMENT	40.222g	2ml	
KWG1012700-2	Duplicate Matrix Spike	8270C SVO_LL	SEDIMENT	40.217g	2ml	
KWG1012700-3	Lab Control Sample	8270C SVO_LL	SEDIMENT	20.000g	2ml	
KWG1012700-4	Duplicate Lab Control Sampl	8270C SVO_LL	SEDIMENT	20.000g	2ml	
KWG1012700-5	Method Blank	8270C SVO_LL	SEDIMENT	40.684g	2ml	

Lab Code	Parent Lab Code	Comments
KWG1012700-1	K1012914-010	Additional spike: SVM33-37B, 50uL
KWG1012700-2	K1012914-010	Additional spike: SVM33-37B, 50uL
KWG1012700-3		Additional spike: SVM33-37B, 50uL
KWG1012700-4		Additional spike: SVM33-37B, 50uL

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K1012914-001	979834	SVM33-64B	50uL			KTValdez
K1012914-002	979835	SVM33-64B	50uL			KTValdez
K1012914-009	979836	SVM33-64B	50uL			KTValdez
K1012914-010	979837	SVM33-64B	50uL			KTValdez
K1012914-016	979838	SVM33-64B	50uL			KTValdez
K1012914-017	979839	SVM33-64B	50uL			KTValdez
K1012914-018	979840	SVM33-64B	50uL			KTValdez
K1012914-019	979841	SVM33-64B	50uL			KTValdez
KWG1012700-1	979842	SVM33-64B	50uL	SVM33-56A	50uL	KTValdez
KWG1012700-2	979843	SVM33-64B	50uL	SVM33-56A	50uL	KTValdez
KWG1012700-3	979844	SVM33-64B	50uL	SVM33-56A	50uL	KTValdez
KWG1012700-4	979845	SVM33-64B	50uL	SVM33-56A	50uL	KTValdez
KWG1012700-5	979846	SVM33-64B	50uL			KTValdez

Comments:

IS: SVM32-22E

Started By: RAndrell Assisted By: Training Yes No

Completed By: KTValdez Assisted By: Yes No

Reviewed By: [signature] Date: 11/23/10 Storage: HSOL

Chain of Custody

Relinquished By: KTValdez Date: 11/23/10 Extracts Examined

Received By: LB Date: 11/23/10 Yes No

Preparation Information

Group ID:	KWG1012700	**Prep Method:**	EPA 3541	LL	**Prep Date:**	11/19/10 00:00
Department:	Semivoa GCMS					

#	Lab Code	Client ID	B#	√	Product	Matrix	Amt. Ext.	pH	Int. Vol.	Final Vol.	Surr. Added	Spike Added
1	K1012914-001	SL0001	03	✓	8270C SVO_LL	SEDIMENT	40.377	NA	10mL	2mL	50ul	NA
2	K1012914-002	SL0002		✓	8270C SVO_LL	SEDIMENT	40.278					
3	K1012914-009	SL0009		✓	8270C SVO_LL	SEDIMENT	40.281					
4	K1012914-010	SL0010		✓	8270C SVO_LL	SEDIMENT	40.282					
5	K1012914-016	SL0017		✓	8270C SVO_LL	SEDIMENT	40.684					
6	K1012914-017	SL0018		✓	8270C SVO_LL	SEDIMENT	40.316					
7	K1012914-018	SL0019		✓	8270C SVO_LL	SEDIMENT	40.447					
8	K1012914-019	SL0020		✓	8270C SVO_LL	SEDIMENT	40.196					
9	KWG1012700-1	Matrix Spike 12914-10		✓	8270C SVO_LL	SEDIMENT	40.222					A,B 50ul
10	KWG1012700-2	Duplicate Matrix Spike 12914-10		✓	8270C SVO_LL	SEDIMENT	40.217					
11	KWG1012700-3	Lab Control Sample			8270C SVO_LL	SEDIMENT	20.000					
12	KWG1012700-4	Duplicate Lab Control Sample			8270C SVO_LL	SEDIMENT	20.000					
13	KWG1012700-5	Method Blank			8270C SVO_LL	SEDIMENT	40.684					NA

Comments: Prep# 124167

Surrogate ID: (AP) SVM33-64B, 100/150ppm, 5/15/11, 50ul (cpp)

Spike ID: A: (8270) SVM33-56A. 100ppm, 2/6/11, 50ul (cpp) B: (Benzoic Acid) SVM33-37B 200ppm, 1/12/11, 50ul (cpp)

Witness: KTValdez 11/19/10

Started By: RAndrell Assisted By:

Completed By: KTValdez 11/23/10 Assisted By:

GPC RUNLOG

Run Date: 11/22/2010 Calibration Date: 11/18/2010

GPC #: 2 Program Number: 1

Lab I.D.	Position	Test	Dilution	Comments
BLANK	1	8270-LL	NA	NA
KWG1012700-5MB	2	8270-LL	NA	NA
LCS	3	8270-LL	NA	NA
DLCS	4	8270-LL	NA	NA
12914-1	5	8270-LL	NA	NA
12914-2	6	8270-LL	NA	NA
12914-9	7	8270-LL	NA	NA
12914-10	8	8270-LL	NA	NA
12914-16	9	8270-LL	NA	NA
12914-17	10	8270-LL	NA	NA
12914-18	11	8270-LL	NA	NA
12914-19	12	8270-LL	NA	NA
12914-10MS	13	8270-LL	NA	NA
12914-10DMS	14	8270-LL	NA	NA
BLANK	15	8270-LL	NA	NA
KWG1012791-3MB	16	8270-LL	NA	NA
LCS	17	8270-LL	NA	NA
DLCS	18	8270-LL	NA	NA
BLANK	19	8270-LL	NA	NA
12914-29	20	8270-LL	NA	NA
12914-30	21	8270-LL	NA	NA
12914-31	22	8270-LL	NA	NA
BLANK	23	8270-LL	NA	NA

Final Volume Calculation

Intermediate Volume before GPC: 10 mL

Aliquot taken from intermediate volume: 10 mL

Aliquot diluted up to.... 10 mL

Volume Injected onto column: 5 mL

GPC'd Extract brought to the Final Volume of: 1 mL

Calculated True Final Volume: 2 mL

Operator Date and Initial: 11/22/2010 LB

Additional Prep Information for SVM/GCMS by EPA 3541

Service Request # K1012914 **Workgroup #** KWG1012700

Extraction (3541):

Sulfate Lot # BG1010 DCM (GC[2]) Lot # DC054

Soxtherm Start (Time/Date/Initial): 1455/11·19·10/RA

Soxtherm Stop (Time/Date/Initial): 1730/11·19·10/RA

8270/Carbazole Clean-up:

GPC Clean-up (3640): 11·22·10 JB (Initial/Date)

S-Evap Temp: 75°C KT N-Evap Temp: 30°C KT

SIM PAH/PBDE Clean-up:

Hexane Exchange for Silica Gel: — (Initial/Date)

N-Evap Temp: — Hexane Lot # —

Silica Gel Clean-up (3630): — (Initial/Date)

Silica Column Lot # — 1:1 Hexane/DCM Reagent Lot # —

Acid Clean-up (PBDE only): — (Initial/Date)

Extract Storage: —

Date Completed: 11/23/10

Comments/Observations:

Bench Sheet Review Check List
☑ Hold Times Met (if no, Reason:)
☑ Prep date, dept, method, product code correct in stealth
☑ Spike Information correct
☑ Weights/Volumes and units correct on raw and final bench sheets
☑ Sample IDs have been checked—Bottle numbers appended if required
☑ Names present for: Started by, Completed by, relinquished by, and witnessed by.
☑ Training has been circled
☑ Extract Storage recorded
☑ Additional Prep Sheet completely filled out (NA or line out Blanks)
☑ All clean-ups have been noted on additional prep sheet
☑ Signed service request with Form V, if applicable, has been attached

DILUTION LOG MS UL

Date: 11/23/10 Prepared by: LB Solvent Lot #: DC054

LAB ID.	ALIQUOT	FINAL VOLUME	DILUTION FACTOR	COMMENTS
K1012914-2	50uL	0.5mL	10X	
16				
17				
18				
19				
K1012358-17	100uL		5X	

12/27/10
S

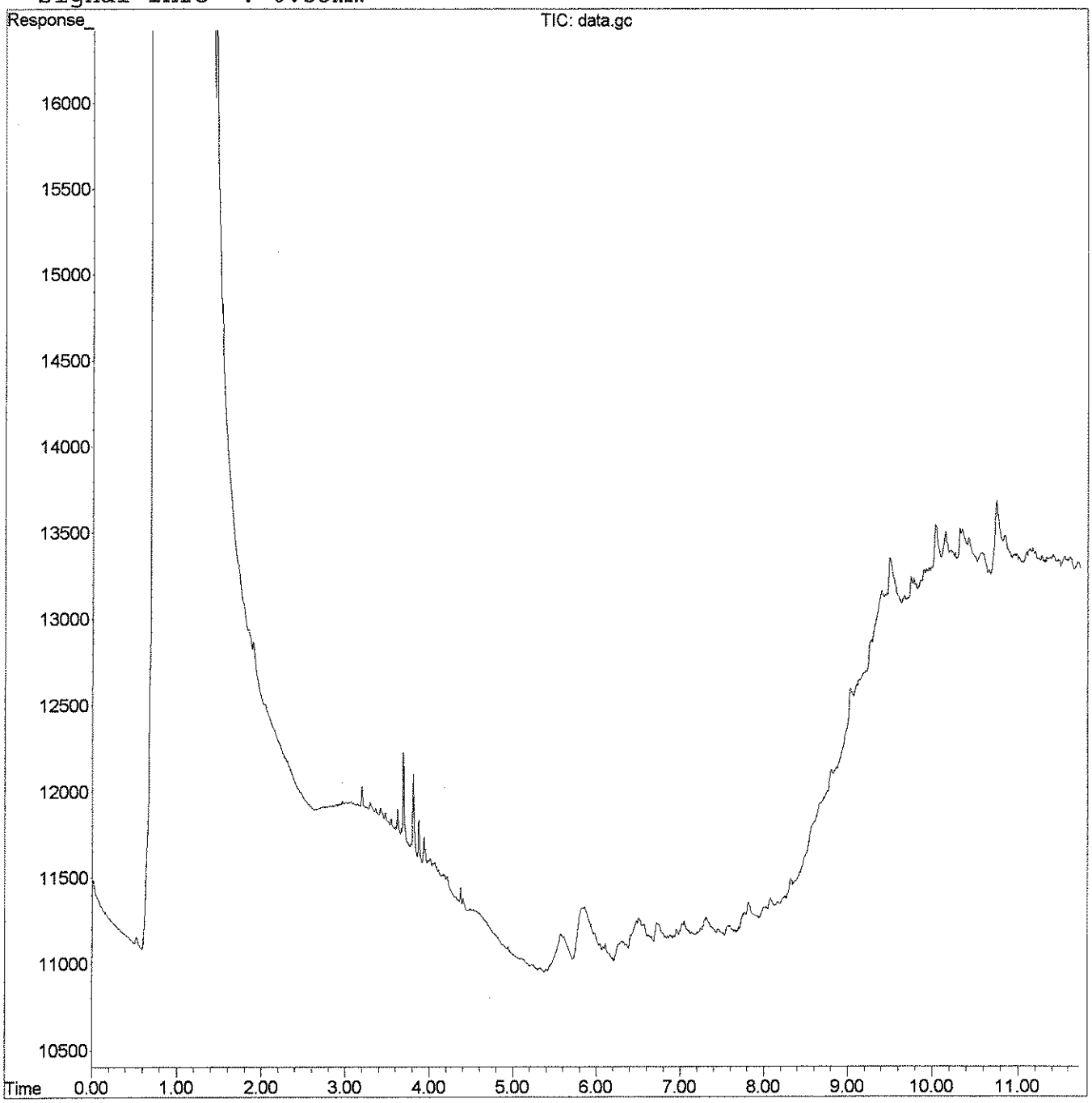
R:\SVM\DILUTION LOG.DOC

Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112310\1123F003.D Vial: 2
Acq On : 23 Nov 2010 02:50 pm Operator:
Sample : K1012914-001 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 23 16:17 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm

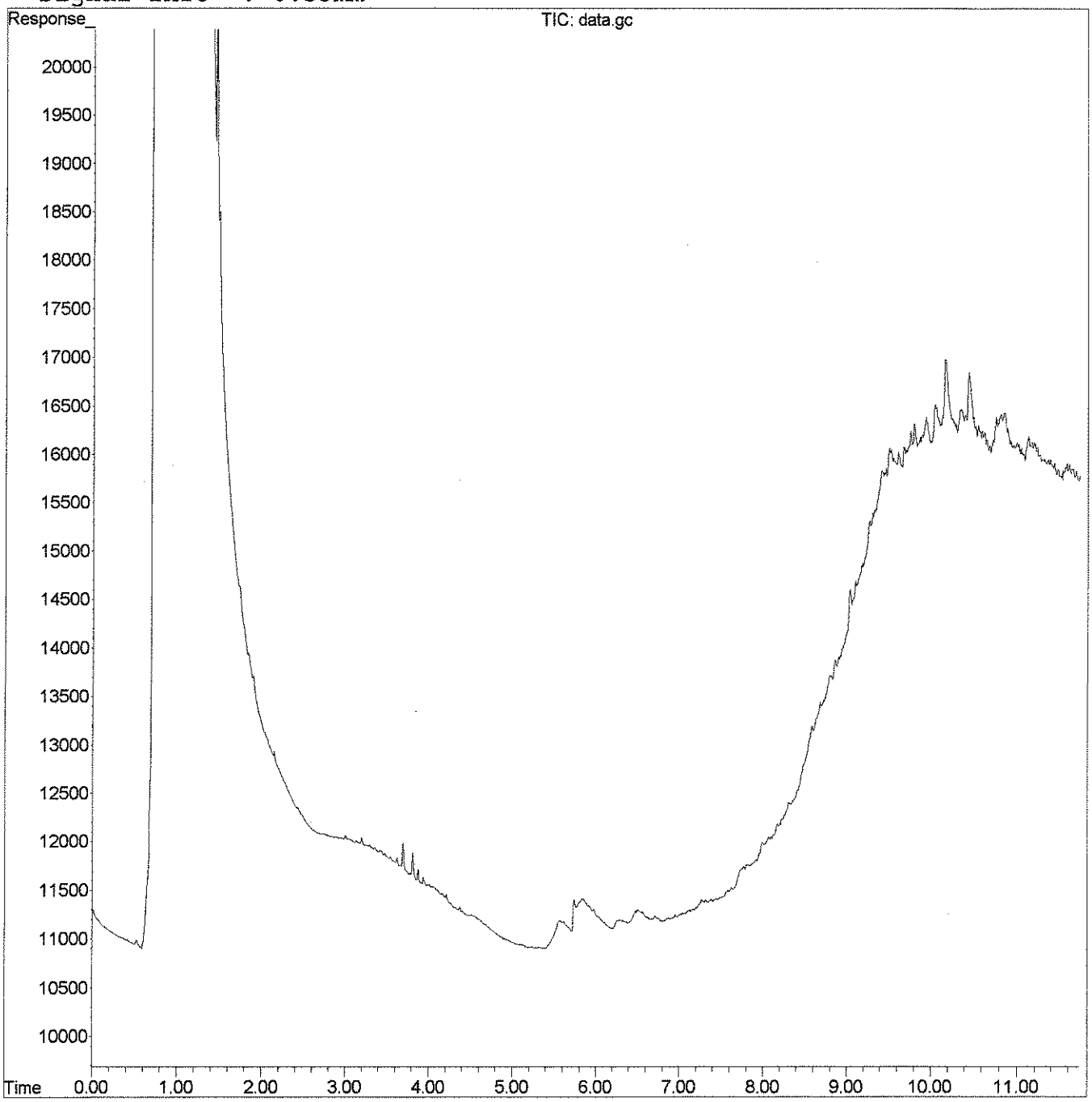


Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112310\1123F004.D Vial: 3
Acq On : 23 Nov 2010 03:08 pm Operator:
Sample : K1012914-002 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 23 16:17 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm

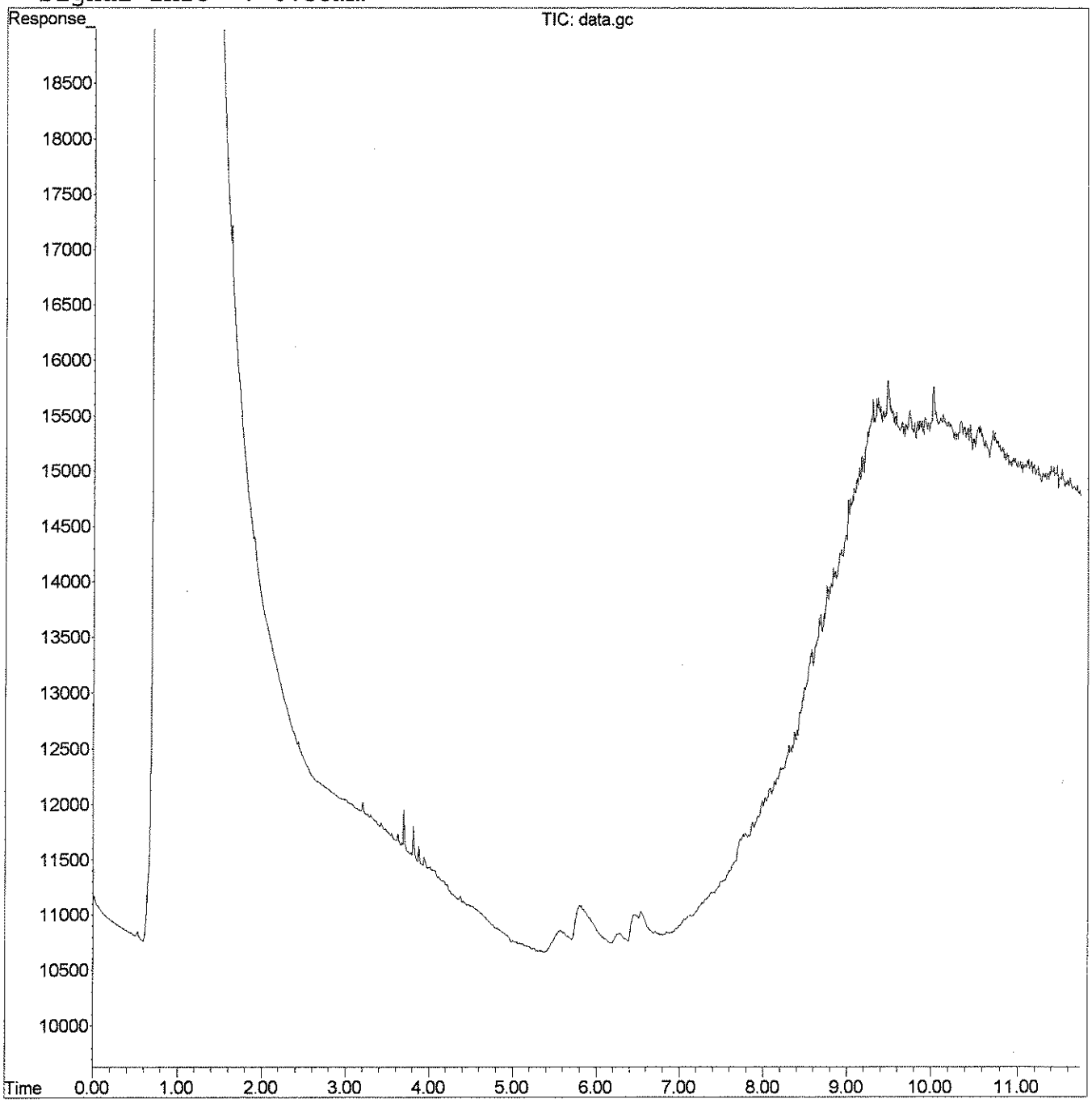


Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112310\1123F005.D Vial: 4
Acq On : 23 Nov 2010 03:26 pm Operator:
Sample : K1012914-009 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 23 16:17 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm

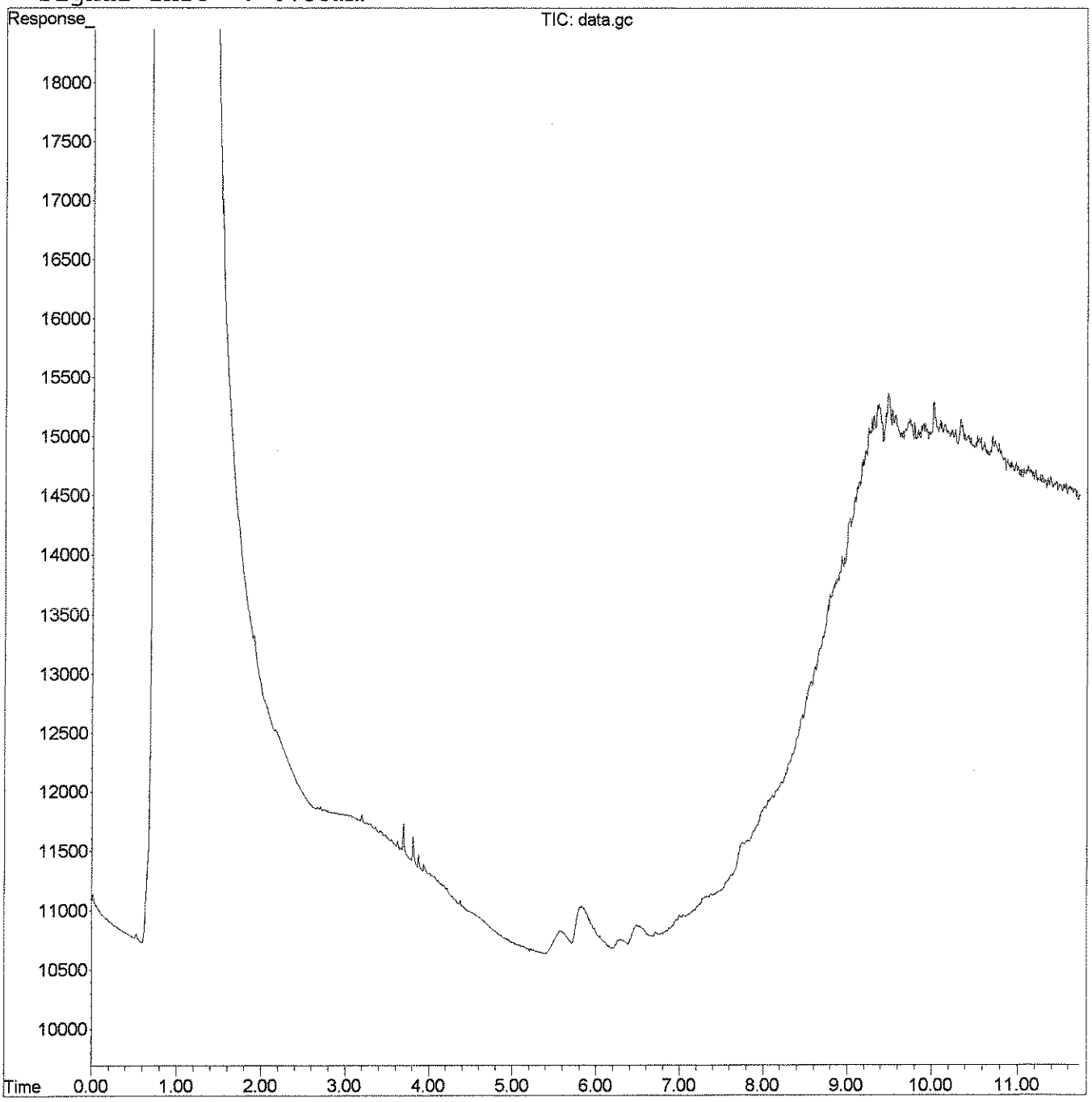


Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112310\1123F006.D Vial: 5
Acq On : 23 Nov 2010 03:44 pm Operator:
Sample : K1012914-010 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 23 16:17 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm

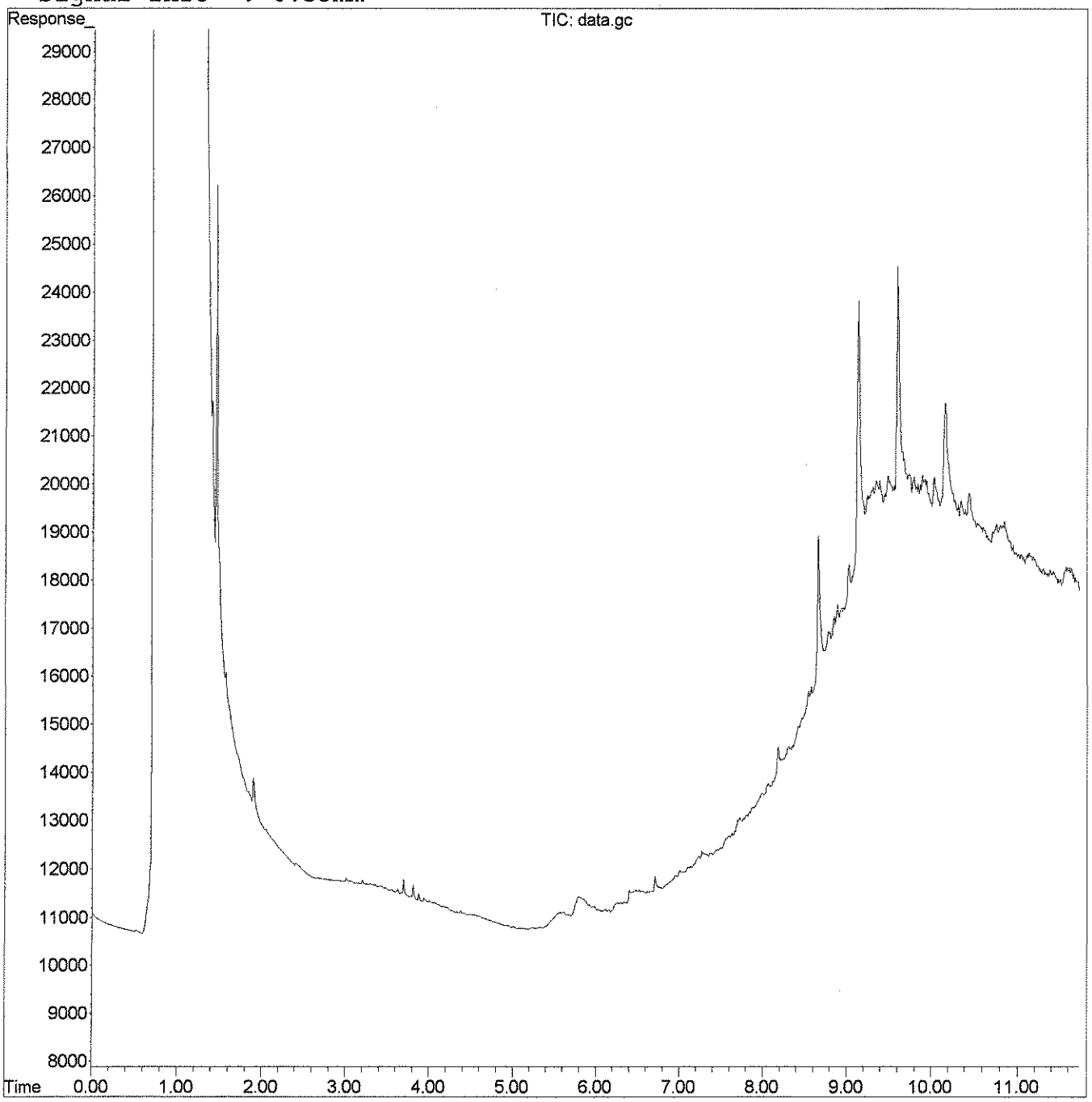


Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112310\1123F007.D Vial: 6
Acq On : 23 Nov 2010 04:03 pm Operator:
Sample : K1012914-016 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 23 16:17 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm

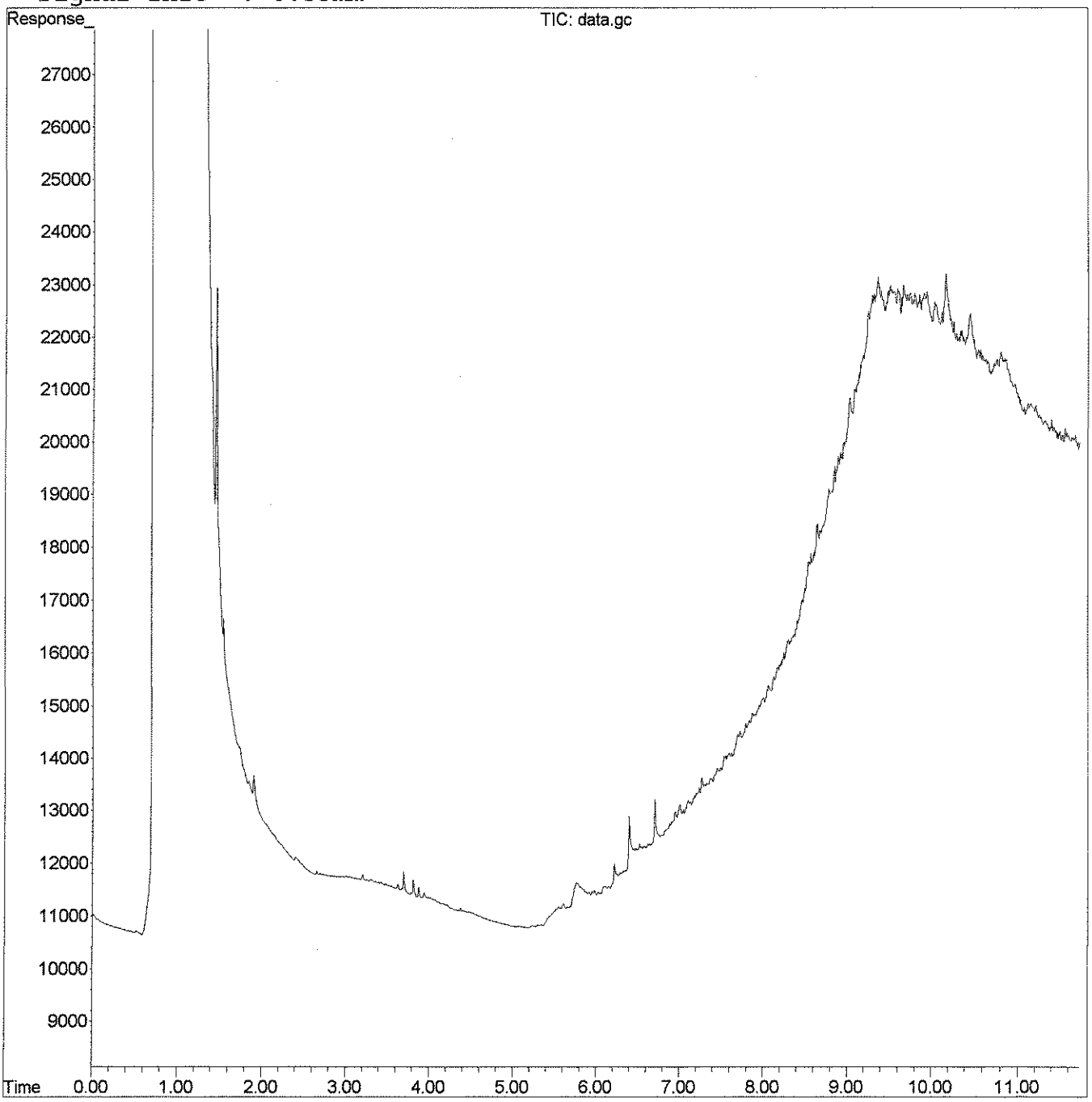


Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112310\1123F008.D Vial: 7
Acq On : 23 Nov 2010 04:21 pm Operator:
Sample : K1012914-017 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 23 16:17 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm

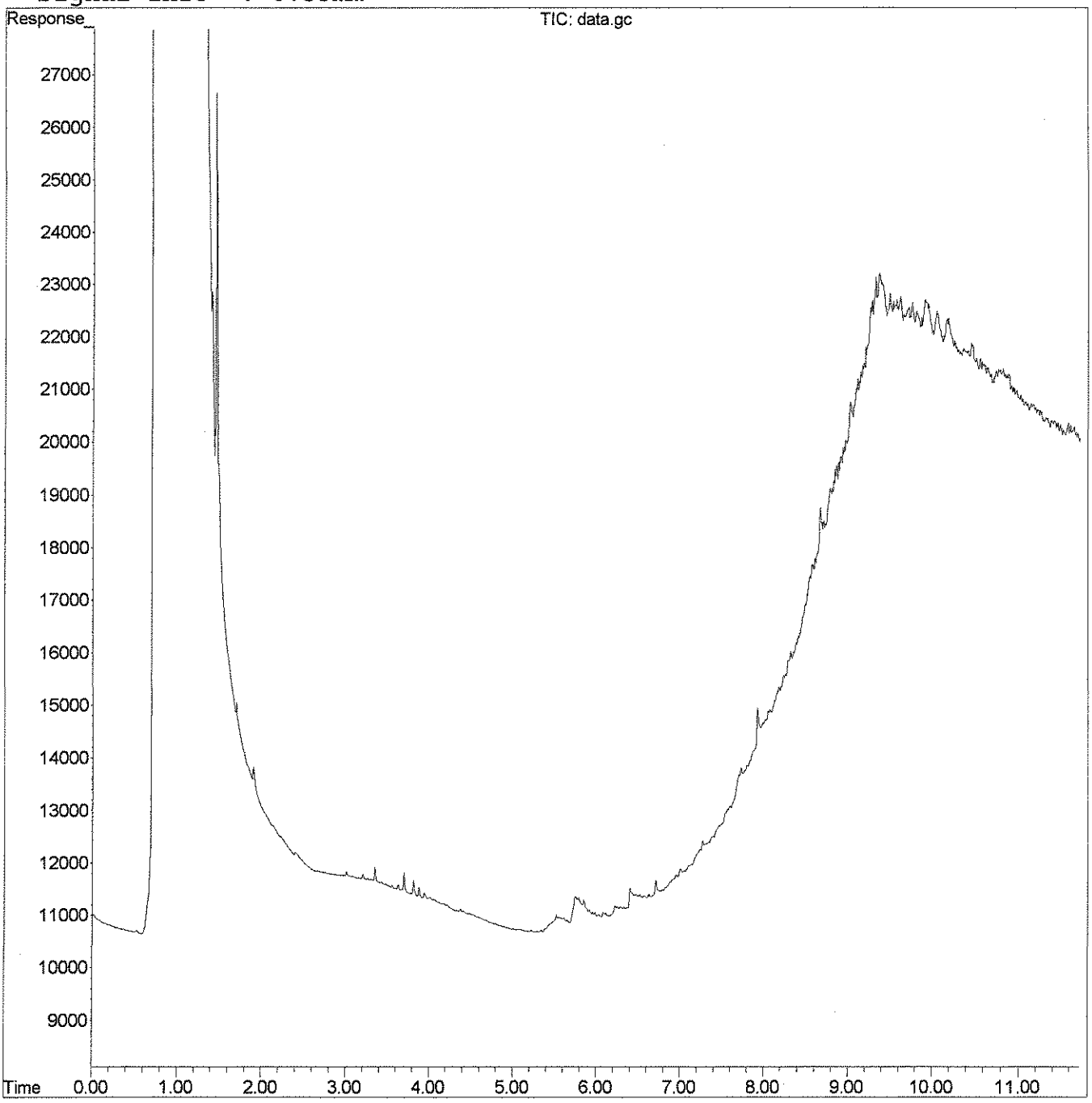


Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112310\1123F009.D Vial: 8
Acq On : 23 Nov 2010 04:39 pm Operator:
Sample : K1012914-018 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 23 16:17 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm

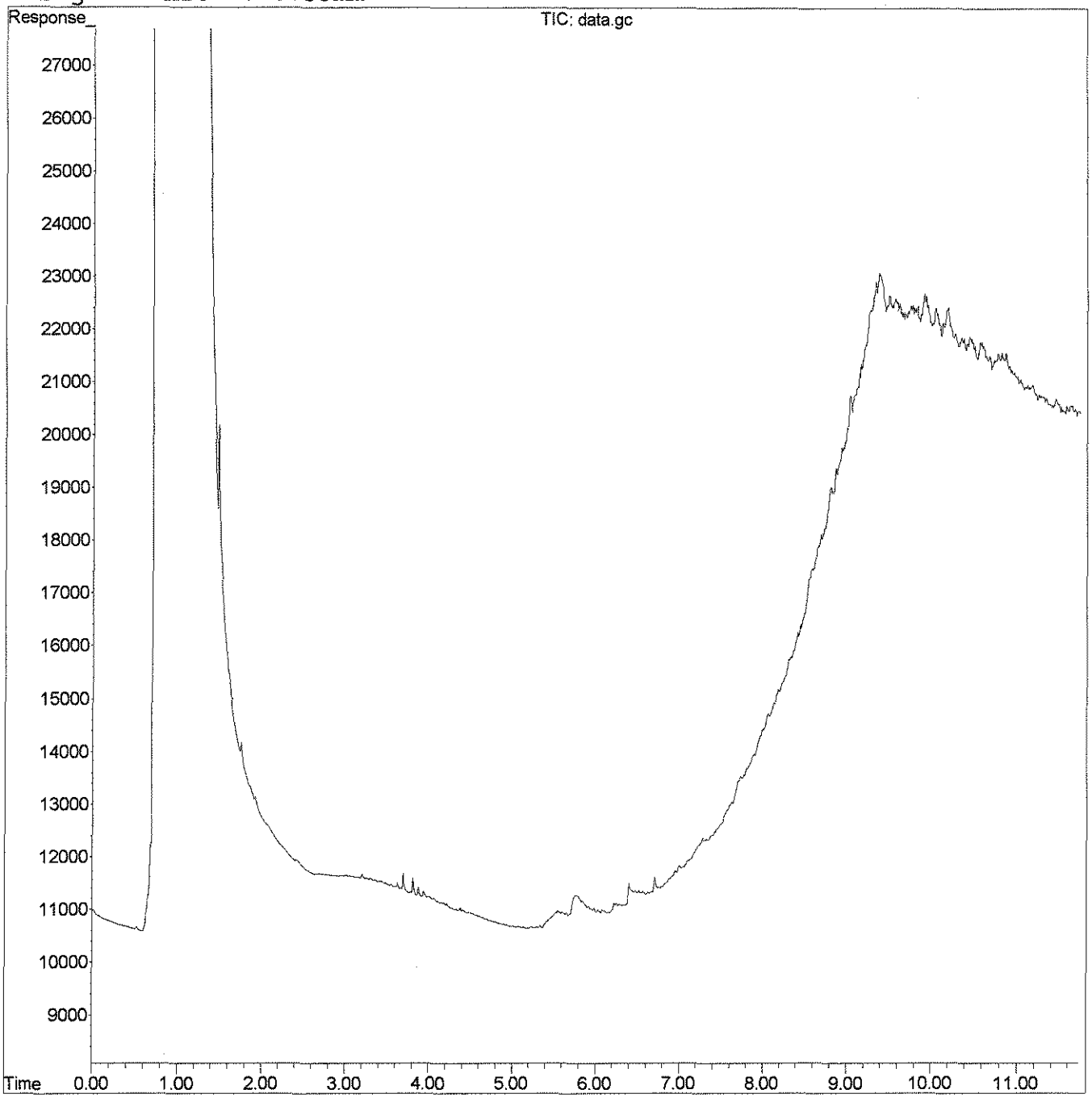


Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112310\1123F010.D Vial: 9
Acq On : 23 Nov 2010 04:58 pm Operator:
Sample : K1012914-019 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 23 16:17 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm



Injection Log

Directory: J:\MS06\DATA\112310

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1123F001.D	1.	2.5ug/mL DFTPP | SVM33-70A		23 Nov 2010 12:5
2	2	1123F002.D	1.	3.0ug/mL CCV SVO_LL | SVM33-69F		23 Nov 2010 13:3
3	3	1123F003.D	1.	KWG1012700-05 | MB		23 Nov 2010 14:2
4	4	1123F004.D	1.	KWG1012700-03 | LCS		23 Nov 2010 15:0
5	5	1123F005.D	1.	KWG1012700-04 | DLCS		23 Nov 2010 15:3
6	6	1123F006.D	1.	K1012914-001		23 Nov 2010 16:1
7	7	1123F007.D	1.	K1012914-009		23 Nov 2010 16:5
8	8	1123F008.D	1.	K1012914-010		23 Nov 2010 17:3
9	9	1123F009.D	1.	K1012914-010MS		23 Nov 2010 18:1
10	10	1123F010.D	1.	K1012914-010DMS		23 Nov 2010 18:4
11	11	1123F011.D	10.	K1012914-002 10X		23 Nov 2010 19:2
12	12	1123F012.D	10.	K1012914-016 10X		23 Nov 2010 20:0
13	13	1123F013.D	10.	K1012914-017 10X		23 Nov 2010 20:4
14	14	1123F014.D	10.	K1012914-018 10X		23 Nov 2010 21:1
15	15	1123F015.D	10.	K1012914-019 10X		23 Nov 2010 21:5
16	16	1123F016.D	1.	K1012358-013		23 Nov 2010 22:3
17	17	1123F017.D	1.	K1012358-014		23 Nov 2010 23:1
18	18	1123F018.D	1.	K1012358-015		23 Nov 2010 23:4
19	19	1123F019.D	5.	K1012358-017 5X		24 Nov 2010 00:2
20	20	1123F020.D	1.	IB		24 Nov 2010 01:0
21	20	1123F021.D	1.	IB		24 Nov 2010 01:4
22	20	1123F022.D	1.	IB		24 Nov 2010 02:1
23	20	1123F023.D	1.	IB		24 Nov 2010 02:5
24	20	1123F024.D	1.	IB		24 Nov 2010 03:3
25	21	1123F025.D	1.	DCM KEG		24 Nov 2010 04:0

NF

Run # 22L9L
CAL10053
B 11/24/10

24 Nov 2010 08:08

Semi-Volatile Organic Compounds

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Summary Package

Sample and QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Cover Page - Organic Analysis Data Package
Semi-Volatile Organic Compounds by GC/MS

Sample Name	Lab Code	Date Collected	Date Received
FW0001	K1012914-029	11/15/2010	11/17/2010
FW0002	K1012914-030	11/16/2010	11/17/2010
FW0003	K1012914-031	11/16/2010	11/17/2010

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: Carl Rogers

Date: 11/30/10 Title: SVM Supervisor

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW0001	**Units:**	ug/WIPE
Lab Code:	K1012914-029	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodimethylamine	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Phenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroisopropyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachloroethane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodi-n-propylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Nitrobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Isophorone	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2-Nitrophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2,4-Dimethylphenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethoxy)methane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Naphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobutadiene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chloro-3-methylphenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Hexachlorocyclopentadiene	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
2,4,6-Trichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chloronaphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dimethyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,6-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrophenol	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
4-Nitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Fluorene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chlorophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Diethyl Phthalate	**0.52**		0.20	1	11/22/10	11/29/10	KWG1012791	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodiphenylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Azobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW0001
Lab Code: K1012914-029

Units: ug/WIPE
Basis: Wet

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pentachlorophenol	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Phenanthrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Di-n-butyl Phthalate	**0.94**		0.20	1	11/22/10	11/29/10	KWG1012791	
Fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Butyl Benzyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
3,3'-Dichlorobenzidine	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Benz(a)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Chrysene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Bis(2-ethylhexyl) Phthalate	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Di-n-octyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(b)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(k)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(a)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Indeno(1,2,3-cd)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dibenz(a,h)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(g,h,i)perylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	64	11-80	11/29/10	Acceptable
Phenol-d6	63	20-86	11/29/10	Acceptable
Nitrobenzene-d5	66	29-91	11/29/10	Acceptable
2-Fluorobiphenyl	66	25-97	11/29/10	Acceptable
2,4,6-Tribromophenol	74	10-119	11/29/10	Acceptable
Terphenyl-d14	89	33-129	11/29/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW0002	**Units:**	ug/WIPE
Lab Code:	K1012914-030	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodimethylamine	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Phenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroisopropyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachloroethane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodi-n-propylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Nitrobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Isophorone	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2-Nitrophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2,4-Dimethylphenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethoxy)methane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Naphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobutadiene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chloro-3-methylphenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Hexachlorocyclopentadiene	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
2,4,6-Trichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chloronaphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dimethyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,6-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrophenol	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
4-Nitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Fluorene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chlorophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Diethyl Phthalate	**0.30**		0.20	1	11/22/10	11/29/10	KWG1012791	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodiphenylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Azobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Collected: 11/16/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW0002
Lab Code: K1012914-030

Units: ug/WIPE
Basis: Wet

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pentachlorophenol	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Phenanthrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Di-n-butyl Phthalate	**1.7**		0.20	1	11/22/10	11/29/10	KWG1012791	
Fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Butyl Benzyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
3,3'-Dichlorobenzidine	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Benz(a)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Chrysene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Bis(2-ethylhexyl) Phthalate	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Di-n-octyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(b)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(k)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(a)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Indeno(1,2,3-cd)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dibenz(a,h)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(g,h,i)perylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	24	11-80	11/29/10	Acceptable
Phenol-d6	5	20-86	11/29/10	Outside Control Limits
Nitrobenzene-d5	66	29-91	11/29/10	Acceptable
2-Fluorobiphenyl	63	25-97	11/29/10	Acceptable
2,4,6-Tribromophenol	8	10-119	11/29/10	Outside Control Limits
Terphenyl-d14	82	33-129	11/29/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW0003	**Units:**	ug/WIPE
Lab Code:	K1012914-031	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodimethylamine	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Phenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroisopropyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachloroethane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodi-n-propylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Nitrobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Isophorone	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2-Nitrophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2,4-Dimethylphenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethoxy)methane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Naphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobutadiene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chloro-3-methylphenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Hexachlorocyclopentadiene	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
2,4,6-Trichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chloronaphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dimethyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,6-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrophenol	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
4-Nitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Fluorene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chlorophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Diethyl Phthalate	**0.75**		0.20	1	11/22/10	11/29/10	KWG1012791	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodiphenylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Azobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Collected: 11/16/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW0003
Lab Code: K1012914-031

Units: ug/WIPE
Basis: Wet

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pentachlorophenol	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Phenanthrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Di-n-butyl Phthalate	**0.23**		0.20	1	11/22/10	11/29/10	KWG1012791	
Fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Butyl Benzyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
3,3'-Dichlorobenzidine	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Benz(a)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Chrysene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Bis(2-ethylhexyl) Phthalate	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Di-n-octyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(b)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(k)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(a)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Indeno(1,2,3-cd)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dibenz(a,h)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(g,h,i)perylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	67	11-80	11/29/10	Acceptable
Phenol-d6	68	20-86	11/29/10	Acceptable
Nitrobenzene-d5	70	29-91	11/29/10	Acceptable
2-Fluorobiphenyl	71	25-97	11/29/10	Acceptable
2,4,6-Tribromophenol	79	10-119	11/29/10	Acceptable
Terphenyl-d14	91	33-129	11/29/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/WIPE
Lab Code:	KWG1012791-3	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodimethylamine	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Phenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroisopropyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachloroethane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodi-n-propylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Nitrobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Isophorone	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2-Nitrophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2,4-Dimethylphenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethoxy)methane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Naphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobutadiene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chloro-3-methylphenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Hexachlorocyclopentadiene	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
2,4,6-Trichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chloronaphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dimethyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,6-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrophenol	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
4-Nitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Fluorene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chlorophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Diethyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodiphenylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Azobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/WIPE
Lab Code:	KWG1012791-3	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pentachlorophenol	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Phenanthrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Di-n-butyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Butyl Benzyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
3,3'-Dichlorobenzidine	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Benz(a)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Chrysene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Bis(2-ethylhexyl) Phthalate	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Di-n-octyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(b)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(k)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(a)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Indeno(1,2,3-cd)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dibenz(a,h)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(g,h,i)perylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	65	11-80	11/29/10	Acceptable
Phenol-d6	70	20-86	11/29/10	Acceptable
Nitrobenzene-d5	84	29-91	11/29/10	Acceptable
2-Fluorobiphenyl	60	25-97	11/29/10	Acceptable
2,4,6-Tribromophenol	74	10-119	11/29/10	Acceptable
Terphenyl-d14	119	33-129	11/29/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914

Surrogate Recovery Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2	Sur3	Sur4	Sur5	Sur6
FW0001	K1012914-029	64	63	66	66	74	89
FW0002	K1012914-030	24	5 *	66	63	8 *	82
FW0003	K1012914-031	67	68	70	71	79	91
Method Blank	KWG1012791-3	65	70	84	60	74	119
Lab Control Sample	KWG1012791-1	59	57	62	57	68	70
Duplicate Lab Control Sample	KWG1012791-2	51	51	56	55	70	74

Surrogate Recovery Control Limits (%)

Sur1 = 2-Fluorophenol	11-80	Sur5 = 2,4,6-Tribromophenol	10-119
Sur2 = Phenol-d6	20-86	Sur6 = Terphenyl-d14	33-129
Sur3 = Nitrobenzene-d5	29-91		
Sur4 = 2-Fluorobiphenyl	25-97		

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/29/2010
		Time Analyzed:	11:36

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID:	J:\MS06\DATA\112910\1129F004.D	**Lab Code:**	KWG1013042-2
Instrument ID:	MS06	**Analysis Lot:**	KWG1013042
Analysis Method:	8270C		

		1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	91,093	8.25	267,799	10.14	136,505	12.95
	Upper Limit ==>	182,186	8.75	535,598	10.64	273,010	13.45
	Lower Limit ==>	45,547	7.75	133,900	9.64	68,253	12.45
	ICAL Result ==>	71,417	8.28	219,693	10.15	114,890	12.95
Associated Analyses							
Method Blank	KWG1012791-3	53,803	8.28	202,348	10.14	165,912	12.94
Lab Control Sample	KWG1012791-1	95,690	8.26	286,143	10.14	149,643	12.95
Duplicate Lab Control Sample	KWG1012791-2	89,947	8.25	258,088	10.13	139,621	12.94
FW0001	K1012914-029	87,980	8.25	250,658	10.13	139,513	12.94
FW0002	K1012914-030	88,253	8.25	260,459	10.13	143,163	12.94
FW0003	K1012914-031	94,720	8.25	273,854	10.13	152,019	12.94

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/29/2010
Time Analyzed: 11:36

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS06\DATA\112910\1129F004.D
Instrument ID: MS06
Analysis Method: 8270C

Lab Code: KWG1013042-2
Analysis Lot: KWG1013042

		Phenanthrene-d10		Chrysene-d12		Perylene-d12	
		Area	RT	Area	RT	Area	RT
	Results ==>	280,774	15.36	367,570	19.71	344,244	23.15
	Upper Limit ==>	561,548	15.86	735,140	20.21	688,488	23.65
	Lower Limit ==>	140,387	14.86	183,785	19.21	172,122	22.65
	ICAL Result ==>	223,682	15.36	270,570	19.72	233,962	23.14
Associated Analyses							
Method Blank	KWG1012791-3	362,998	15.35	326,933	19.70	290,411	23.13
Lab Control Sample	KWG1012791-1	290,064	15.36	408,620	19.71	360,903	23.14
Duplicate Lab Control Sample	KWG1012791-2	277,315	15.35	384,441	19.71	351,285	23.13
FW0001	K1012914-029	305,755	15.35	360,396	19.70	331,176	23.13
FW0002	K1012914-030	314,497	15.35	380,496	19.70	353,080	23.13
FW0003	K1012914-031	325,163	15.34	384,182	19.70	355,300	23.13

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/29/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method:	EPA 3541	**Units:**	ug/WIPE
Analysis Method:	8270C	**Basis:**	Wet
		Level:	Low
		Extraction Lot:	KWG1012791

	Lab Control Sample KWG1012791-1 Lab Control Spike			Duplicate Lab Control Sample KWG1012791-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
N-Nitrosodimethylamine	3.87	5.00	77	3.18	5.00	64	18-91	20	40
Bis(2-chloroethyl) Ether	2.70	5.00	54	2.29	5.00	46	29-86	16	40
Phenol	2.80	5.00	56	2.29	5.00	46	28-91	20	40
2-Chlorophenol	2.94	5.00	59	2.52	5.00	50	31-83	15	40
Bis(2-chloroisopropyl) Ether	2.87	5.00	57	2.44	5.00	49	23-88	17	40
Hexachloroethane	3.04	5.00	61	2.54	5.00	51	25-84	18	40
N-Nitrosodi-n-propylamine	3.33	5.00	67	2.95	5.00	59	24-89	12	40
Nitrobenzene	3.21	5.00	64	2.76	5.00	55	29-87	15	40
Isophorone	3.25	5.00	65	3.14	5.00	63	33-83	3	40
2-Nitrophenol	3.31	5.00	66	2.84	5.00	57	33-89	15	40
2,4-Dimethylphenol	0.975	5.00	19	1.42	5.00	28	10-63	37	40
Bis(2-chloroethoxy)methane	3.00	5.00	60	2.64	5.00	53	33-85	13	40
2,4-Dichlorophenol	3.17	5.00	63	2.88	5.00	58	33-83	10	40
Naphthalene	2.95	5.00	59	2.69	5.00	54	32-84	9	40
Hexachlorobutadiene	3.11	5.00	62	2.96	5.00	59	28-87	5	40
4-Chloro-3-methylphenol	3.16	5.00	63	3.12	5.00	62	28-87	1	40
Hexachlorocyclopentadiene	1.93	5.00	39	1.70	5.00	34	10-66	13	40
2,4,6-Trichlorophenol	3.05	5.00	61	2.98	5.00	60	31-86	2	40
2-Chloronaphthalene	3.19	5.00	64	2.95	5.00	59	31-86	8	40
Acenaphthylene	3.20	5.00	64	2.94	5.00	59	33-87	8	40
Dimethyl Phthalate	3.55	5.00	71	3.42	5.00	68	38-91	4	40
2,6-Dinitrotoluene	3.71	5.00	74	3.51	5.00	70	36-94	6	40
Acenaphthene	3.16	5.00	63	2.92	5.00	58	35-83	8	40
2,4-Dinitrophenol	1.68	5.00	34	1.90	5.00	38	10-100	12	40
4-Nitrophenol	3.33	5.00	67	3.60	5.00	72	32-110	8	40
2,4-Dinitrotoluene	3.61	5.00	72	3.60	5.00	72	40-98	0	40
Fluorene	3.32	5.00	66	3.15	5.00	63	36-87	5	40
4-Chlorophenyl Phenyl Ether	3.40	5.00	68	3.12	5.00	62	34-87	9	40
Diethyl Phthalate	3.55	5.00	71	3.46	5.00	69	39-98	2	40
2-Methyl-4,6-dinitrophenol	2.94	5.00	59	3.10	5.00	62	27-102	5	40
N-Nitrosodiphenylamine	3.31	5.00	66	3.09	5.00	62	29-92	7	40
Azobenzene	3.55	5.00	71	3.28	5.00	66	32-89	8	40
4-Bromophenyl Phenyl Ether	3.56	5.00	71	3.31	5.00	66	38-90	7	40
Hexachlorobenzene	3.64	5.00	73	3.38	5.00	68	39-90	7	40
Pentachlorophenol	2.16	5.00	43	2.64	5.00	53	21-97	20	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Extracted: 11/22/2010
Date Analyzed: 11/29/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/WIPE
Basis: Wet
Level: Low
Extraction Lot: KWG1012791

	Lab Control Sample KWG1012791-1 Lab Control Spike			Duplicate Lab Control Sample KWG1012791-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Phenanthrene	3.53	5.00	71	3.31	5.00	66	41-90	6	40
Anthracene	3.47	5.00	69	3.36	5.00	67	35-93	3	40
Di-n-butyl Phthalate	3.91	5.00	78	3.73	5.00	75	40-116	5	40
Fluoranthene	3.85	5.00	77	3.80	5.00	76	42-103	1	40
Pyrene	3.16	5.00	63	3.18	5.00	64	42-105	0	40
Butyl Benzyl Phthalate	3.48	5.00	70	3.41	5.00	68	41-114	2	40
3,3'-Dichlorobenzidine	2.90	5.00	58	2.35	5.00	47	13-98	21	40
Benz(a)anthracene	3.58	5.00	72	3.63	5.00	73	43-104	1	40
Chrysene	3.45	5.00	69	3.49	5.00	70	47-104	1	40
Bis(2-ethylhexyl) Phthalate	3.80	5.00	76	3.88	5.00	78	40-122	2	40
Di-n-octyl Phthalate	3.90	5.00	78	3.81	5.00	76	43-119	2	40
Benzo(b)fluoranthene	3.50	5.00	70	3.54	5.00	71	45-106	1	40
Benzo(k)fluoranthene	3.59	5.00	72	3.56	5.00	71	47-105	1	40
Benzo(a)pyrene	3.64	5.00	73	3.61	5.00	72	35-109	1	40
Indeno(1,2,3-cd)pyrene	3.82	5.00	76	3.74	5.00	75	43-111	2	40
Dibenz(a,h)anthracene	3.72	5.00	74	3.67	5.00	73	44-110	1	40
Benzo(g,h,i)perylene	3.71	5.00	74	3.65	5.00	73	38-108	2	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/29/2010
		Time Analyzed:	13:08

Method Blank Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**File ID:**	J:\MS06\DATA\112910\1129F006.D
Lab Code:	KWG1012791-3	**Instrument ID:**	MS06
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	KWG1012791

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012791-1	J:\MS06\DATA\112910\1129F007.D	11/29/10	14:17
Duplicate Lab Control Sample	KWG1012791-2	J:\MS06\DATA\112910\1129F008.D	11/29/10	14:55
FW0001	K1012914-029	J:\MS06\DATA\112910\1129F009.D	11/29/10	15:33
FW0002	K1012914-030	J:\MS06\DATA\112910\1129F010.D	11/29/10	16:10
FW0003	K1012914-031	J:\MS06\DATA\112910\1129F011.D	11/29/10	16:48

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/29/2010
		Time Analyzed:	14:17

Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**File ID:**	J:\MS06\DATA\112910\1129F007.D
Lab Code:	KWG1012791-1	**Instrument ID:**	MS06
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	KWG1012791

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012791-3	J:\MS06\DATA\112910\1129F006.D	11/29/10	13:08
FW0001	K1012914-029	J:\MS06\DATA\112910\1129F009.D	11/29/10	15:33
FW0002	K1012914-030	J:\MS06\DATA\112910\1129F010.D	11/29/10	16:10
FW0003	K1012914-031	J:\MS06\DATA\112910\1129F011.D	11/29/10	16:48

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/29/2010
Time Analyzed: 10:34

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS06\DATA\112910\1129F003.D
Instrument ID: MS06
Column:

Analysis Method: 8270C
Analysis Lot: KWG1013042

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	80	76.1	50367	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	67.0	44398	PASS
70	69	0	2	0.1	54	PASS
127	198	25	75	44.5	29488	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	66220	PASS
199	198	5	9	7.5	4940	PASS
275	198	10	30	27.9	18500	PASS
365	198	1	100	3.4	2258	PASS
441	443	0	100	16.7	1232	PASS
442	198	40	110	58.1	38469	PASS
443	442	15	24	19.2	7380	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1013042-2	J:\MS06\DATA\112910\1129F004.D	11/29/2010	11:36	
Method Blank	KWG1012791-3	J:\MS06\DATA\112910\1129F006.D	11/29/2010	13:08	
Lab Control Sample	KWG1012791-1	J:\MS06\DATA\112910\1129F007.D	11/29/2010	14:17	
Duplicate Lab Control Sample	KWG1012791-2	J:\MS06\DATA\112910\1129F008.D	11/29/2010	14:55	
FW0001	K1012914-029	J:\MS06\DATA\112910\1129F009.D	11/29/2010	15:33	
FW0002	K1012914-030	J:\MS06\DATA\112910\1129F010.D	11/29/2010	16:10	
FW0003	K1012914-031	J:\MS06\DATA\112910\1129F011.D	11/29/2010	16:48	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS06\DATA\111510\1115F009.D	G	J:\MS06\DATA\111510\1115F015.D
B	J:\MS06\DATA\111510\1115F010.D	H	J:\MS06\DATA\111510\1115F016.D
C	J:\MS06\DATA\111510\1115F011.D	I	J:\MS06\DATA\111510\1115F017.D
D	J:\MS06\DATA\111510\1115F012.D	J	J:\MS06\DATA\111510\1115F018.D
E	J:\MS06\DATA\111510\1115F013.D		
F	J:\MS06\DATA\111510\1115F014.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
N-Nitrosodimethylamine										D	500	1.35	E	1000	1.41
	F	2000	1.47	G	3000	1.57	H	5000	1.67	I	7000	1.64	J	10000	1.70
Bis(2-chloroethyl) Ether				B	100	0.805	C	200	1.01	D	500	0.830	E	1000	0.940
	F	2000	1.01	G	3000	0.984	H	5000	0.979	I	7000	0.915	J	10000	0.908
‡ Phenol	A	50	1.18	B	100	1.12	C	200	1.26	D	500	1.26	E	1000	1.31
‡	F	2000	1.42	G	3000	1.40	H	5000	1.37	I	7000	1.25	J	10000	1.22
2-Chlorophenol	A	50	0.959	B	100	1.02	C	200	1.08	D	500	1.15	E	1000	1.20
	F	2000	1.27	G	3000	1.27	H	5000	1.26	I	7000	1.21	J	10000	1.21
Bis(2-chloroisopropyl) Ether	A	50	1.95	B	100	1.93	C	200	1.99	D	500	1.93	E	1000	2.03
	F	2000	2.09	G	3000	2.09	H	5000	2.04	I	7000	1.88	J	10000	1.81
Hexachloroethane				B	100	0.436	C	200	0.492	D	500	0.569	E	1000	0.610
	F	2000	0.650	G	3000	0.637	H	5000	0.638	I	7000	0.623	J	10000	0.617
† N-Nitrosodi-n-propylamine	A	50	0.800	B	100	0.826	C	200	0.776	D	500	0.799	E	1000	0.876
†	F	2000	0.910	G	3000	0.898	H	5000	0.881	I	7000	0.828	J	10000	0.823
Nitrobenzene	A	50	1.31	B	100	1.24	C	200	1.20	D	500	1.30	E	1000	1.32
	F	2000	1.37	G	3000	1.36	H	5000	1.38	I	7000	1.32	J	10000	1.32
Isophorone	A	50	0.683	B	100	0.655	C	200	0.628	D	500	0.664	E	1000	0.708
	F	2000	0.737	G	3000	0.749	H	5000	0.729	I	7000	0.704	J	10000	0.723
‡ 2-Nitrophenol	A	50	0.196	B	100	0.178	C	200	0.186	D	500	0.203	E	1000	0.225
‡	F	2000	0.233	G	3000	0.231	H	5000	0.227	I	7000	0.218	J	10000	0.225
2,4-Dimethylphenol										D	500	0.273	E	1000	0.294
	F	2000	0.312	G	3000	0.309	H	5000	0.303	I	7000	0.289	J	10000	0.289
Bis(2-chloroethoxy)methane	A	50	0.291	B	100	0.304	C	200	0.334	D	500	0.337	E	1000	0.352
	F	2000	0.364	G	3000	0.364	H	5000	0.349	I	7000	0.329	J	10000	0.333
‡ 2,4-Dichlorophenol	A	50	0.273	B	100	0.271	C	200	0.285	D	500	0.302	E	1000	0.322
‡	F	2000	0.350	G	3000	0.348	H	5000	0.338	I	7000	0.330	J	10000	0.338
Naphthalene	A	50	0.988	B	100	0.974	C	200	0.971	D	500	0.971	E	1000	1.02
	F	2000	1.07	G	3000	1.04	H	5000	1.00	I	7000	0.948	J	10000	0.980

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
‡ Hexachlorobutadiene	A	50	0.288	B	100	0.336	C	200	0.314	D	500	0.331	E	1000	0.336
‡	F	2000	0.357	G	3000	0.348	H	5000	0.344	I	7000	0.334	J	10000	0.349
‡ 4-Chloro-3-methylphenol	A	50	0.250	B	100	0.288	C	200	0.309	D	500	0.306	E	1000	0.324
‡	F	2000	0.356	G	3000	0.349	H	5000	0.348	I	7000	0.337	J	10000	0.342
† Hexachlorocyclopentadiene										D	500	0.433	E	1000	0.574
†	F	2000	0.690	G	3000	0.709	H	5000	0.733	I	7000	0.741	J	10000	0.742
‡ 2,4,6-Trichlorophenol	A	50	0.420	B	100	0.461	C	200	0.504	D	500	0.516	E	1000	0.531
‡	F	2000	0.555	G	3000	0.560	H	5000	0.563	I	7000	0.564	J	10000	0.553
2-Chloronaphthalene	A	50	0.457	B	100	0.497	C	200	0.565	D	500	0.564	E	1000	0.544
	F	2000	0.572	G	3000	0.572	H	5000	0.570	I	7000	0.559	J	10000	0.551
Acenaphthylene	A	50	1.61	B	100	1.83	C	200	1.89	D	500	1.96	E	1000	1.98
	F	2000	2.09	G	3000	2.07	H	5000	2.06						
Dimethyl Phthalate	A	50	1.44	B	100	1.58	C	200	1.48	D	500	1.54	E	1000	1.54
	F	2000	1.60	G	3000	1.61	H	5000	1.60	I	7000	1.58	J	10000	1.56
2,6-Dinitrotoluene	A	50	0.284	B	100	0.299	C	200	0.324	D	500	0.370	E	1000	0.368
	F	2000	0.394	G	3000	0.406	H	5000	0.403	I	7000	0.400	J	10000	0.391
‡ Acenaphthene	A	50	1.09	B	100	1.09	C	200	1.03	D	500	1.10	E	1000	1.09
‡	F	2000	1.15	G	3000	1.16	H	5000	1.14	I	7000	1.12	J	10000	1.08
† 2,4-Dinitrophenol										D	500	0.0828	E	1000	0.130
†	F	2000	0.194	G	3000	0.222	H	5000	0.251	I	7000	0.259	J	10000	0.275
† 4-Nitrophenol													E	1000	0.284
†	F	2000	0.305	G	3000	0.336	H	5000	0.339	I	7000	0.347	J	10000	0.352
2,4-Dinitrotoluene				B	100	0.404	C	200	0.444	D	500	0.500	E	1000	0.514
	F	2000	0.570	G	3000	0.559	H	5000	0.568	I	7000	0.560	J	10000	0.559
Fluorene	A	50	1.32	B	100	1.28	C	200	1.37	D	500	1.39	E	1000	1.43
	F	2000	1.50	G	3000	1.49	H	5000	1.50	I	7000	1.46	J	10000	1.45
4-Chlorophenyl Phenyl Ether	A	50	0.772	B	100	0.808	C	200	0.836	D	500	0.874	E	1000	0.879
	F	2000	0.910	G	3000	0.900	H	5000	0.912	I	7000	0.885	J	10000	0.886
Diethyl Phthalate	A	50	1.72	B	100	1.72	C	200	1.60	D	500	1.58	E	1000	1.59
	F	2000	1.66	G	3000	1.66	H	5000	1.69	I	7000	1.63	J	10000	1.62
2-Methyl-4,6-dinitrophenol													E	1000	0.273
	F	2000	0.345	G	3000	0.360	H	5000	0.391	I	7000	0.387	J	10000	0.396
‡ N-Nitrosodiphenylamine	A	50	0.919	B	100	0.842	C	200	0.940	D	500	1.05	E	1000	1.03
‡	F	2000	1.09	G	3000	1.10	H	5000	1.11	I	7000	1.08	J	10000	1.08
Azobenzene	A	50	1.45	B	100	1.51	C	200	1.48	D	500	1.56	E	1000	1.59
	F	2000	1.65	G	3000	1.66	H	5000	1.67	I	7000	1.62	J	10000	1.58

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
4-Bromophenyl Phenyl Ether	A	50	0.265	B	100	0.262	C	200	0.288	D	500	0.285	E	1000	0.291
	F	2000	0.312	G	3000	0.309	H	5000	0.310	I	7000	0.298	J	10000	0.298
Hexachlorobenzene	A	50	0.274	B	100	0.303	C	200	0.327	D	500	0.315	E	1000	0.314
	F	2000	0.340	G	3000	0.335	H	5000	0.335	I	7000	0.327	J	10000	0.321
‡ Pentachlorophenol										D	500	0.131	E	1000	0.166
‡	F	2000	0.199	G	3000	0.211	H	5000	0.219	I	7000	0.218	J	10000	0.220
Phenanthrene	A	50	0.934	B	100	0.949	C	200	0.998	D	500	0.995	E	1000	0.997
	F	2000	1.07	G	3000	1.04	H	5000	1.04	I	7000	1.00	J	10000	0.993
Anthracene	A	50	0.972	B	100	0.974	C	200	0.984	D	500	1.00	E	1000	1.04
	F	2000	1.12	G	3000	1.11	H	5000	1.10	I	7000	1.06	J	10000	1.05
Di-n-butyl Phthalate	A	50	1.27	B	100	1.20	C	200	1.16	D	500	1.25	E	1000	1.26
	F	2000	1.36	G	3000	1.34	H	5000	1.34	I	7000	1.28	J	10000	1.26
‡ Fluoranthene	A	50	1.07	B	100	1.12	C	200	1.18	D	500	1.22	E	1000	1.26
‡	F	2000	1.35	G	3000	1.34	H	5000	1.35	I	7000	1.30	J	10000	1.29
Pyrene	A	50	0.976	B	100	0.997	C	200	1.04	D	500	1.08	E	1000	1.11
	F	2000	1.19	G	3000	1.12	H	5000	1.10	I	7000	1.08	J	10000	1.08
Butyl Benzyl Phthalate	A	50	0.479	B	100	0.419	C	200	0.451	D	500	0.466	E	1000	0.477
	F	2000	0.518	G	3000	0.492	H	5000	0.476	I	7000	0.470	J	10000	0.460
3,3'-Dichlorobenzidine	A	50	0.341	B	100	0.346	C	200	0.374	D	500	0.414	E	1000	0.438
	F	2000	0.484	G	3000	0.474	H	5000	0.471	I	7000	0.467	J	10000	0.460
Benz(a)anthracene	A	50	0.978	B	100	0.931	C	200	0.984	D	500	1.01	E	1000	1.02
	F	2000	1.12	G	3000	1.09	H	5000	1.08	I	7000	1.07	J	10000	1.06
Chrysene	A	50	0.992	B	100	0.957	C	200	1.04	D	500	0.989	E	1000	1.06
	F	2000	1.12	G	3000	1.07	H	5000	1.04	I	7000	1.04	J	10000	1.02
Bis(2-ethylhexyl) Phthalate	A	50	0.627	B	100	0.555	C	200	0.584	D	500	0.605	E	1000	0.631
	F	2000	0.676	G	3000	0.658	H	5000	0.643	I	7000	0.640	J	10000	0.624
‡ Di-n-octyl Phthalate	A	50	0.910	B	100	0.908	C	200	0.952	D	500	1.07	E	1000	1.15
‡	F	2000	1.26	G	3000	1.25	H	5000	1.27	I	7000	1.26	J	10000	1.27
Benzo(b)fluoranthene	A	50	0.931	B	100	0.885	C	200	0.951	D	500	0.998	E	1000	1.08
	F	2000	1.15	G	3000	1.15	H	5000	1.17	I	7000	1.17	J	10000	1.25
Benzo(k)fluoranthene	A	50	0.953	B	100	1.06	C	200	1.04	D	500	1.15	E	1000	1.19
	F	2000	1.24	G	3000	1.23	H	5000	1.22	I	7000	1.21	J	10000	1.10
‡ Benzo(a)pyrene	A	50	0.786	B	100	0.735	C	200	0.796	D	500	0.842	E	1000	0.893
‡	F	2000	0.981	G	3000	0.987	H	5000	0.993	I	7000	0.992	J	10000	0.982
Indeno(1,2,3-cd)pyrene	A	50	0.663	B	100	0.707	C	200	0.697	D	500	0.748	E	1000	0.814
	F	2000	0.870	G	3000	0.872	H	5000	0.898	I	7000	0.908	J	10000	0.922

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dibenz(a,h)anthracene	A	50	0.668	B	100	0.714	C	200	0.748	D	500	0.818	E	1000	0.846
	F	2000	0.921	G	3000	0.929	H	5000	0.933	I	7000	0.966	J	10000	0.963
Benzo(g,h,i)perylene	A	50	0.743	B	100	0.831	C	200	0.793	D	500	0.856	E	1000	0.908
	F	2000	0.963	G	3000	0.960	H	5000	0.958	I	7000	0.965	J	10000	0.944
2-Fluorophenol	A	50	0.748	B	100	0.803	C	200	0.896	D	500	0.950	E	1000	1.01
	F	2000	1.09	G	3000	1.11	H	5000	1.12	I	7000	1.08	J	10000	1.08
Phenol-d6	A	50	0.975	B	100	1.08	C	200	1.05	D	500	1.14	E	1000	1.18
	F	2000	1.29	G	3000	1.31	H	5000	1.26	I	7000	1.17	J	10000	1.15
Nitrobenzene-d5	A	50	1.10	B	100	1.24	C	200	1.21	D	500	1.26	E	1000	1.35
	F	2000	1.43	G	3000	1.42	H	5000	1.41	I	7000	1.36	J	10000	1.38
2-Fluorobiphenyl	A	50	1.43	B	100	1.60	C	200	1.61	D	500	1.67	E	1000	1.65
	F	2000	1.74	G	3000	1.70	H	5000	1.69	I	7000	1.69	J	10000	1.66
2,4,6-Tribromophenol				B	100	0.136	C	200	0.158	D	500	0.163	E	1000	0.174
	F	2000	0.189	G	3000	0.188	H	5000	0.189	I	7000	0.187	J	10000	0.186
Terphenyl-d14	A	50	0.684	B	100	0.754	C	200	0.763	D	500	0.773	E	1000	0.802
	F	2000	0.870	G	3000	0.823	H	5000	0.820	I	7000	0.795	J	10000	0.805
‡ 1,4-Dichlorobenzene	A	50	1.48	B	100	1.34	C	200	1.48	D	500	1.48	E	1000	1.50
‡	F	2000	1.59	G	3000	1.51	H	5000	1.54	I	7000	1.46	J	10000	1.48

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

		Calibration Evaluation					RRF Evaluation		
Analyte Name	Compound Type	Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
N-Nitrosodimethylamine	TRG	AverageRF	% RSD	8.7		≤ 15	1.54		0.01
Bis(2-chloroethyl) Ether	TRG	AverageRF	% RSD	8.1		≤ 15	0.932		0.01
‡ Phenol	MS	AverageRF	% RSD	7.6		≤ 15	1.28		0.01
2-Chlorophenol	MS	AverageRF	% RSD	9.5		≤ 15	1.16		0.01
Bis(2-chloroisopropyl) Ether	TRG	AverageRF	% RSD	4.6		≤ 15	1.97		0.01
Hexachloroethane	TRG	AverageRF	% RSD	12.6		≤ 15	0.586		0.01
† N-Nitrosodi-n-propylamine	MS	AverageRF	% RSD	5.5		≤ 15	0.842		0.05
Nitrobenzene	TRG	AverageRF	% RSD	4.2		≤ 15	1.31		0.01
Isophorone	TRG	AverageRF	% RSD	5.6		≤ 15	0.698		0.01
‡ 2-Nitrophenol	TRG	AverageRF	% RSD	9.4		≤ 15	0.212		0.01
2,4-Dimethylphenol	TRG	AverageRF	% RSD	4.6		≤ 15	0.296		0.01
Bis(2-chloroethoxy)methane	TRG	AverageRF	% RSD	7.1		≤ 15	0.336		0.01
‡ 2,4-Dichlorophenol	TRG	AverageRF	% RSD	9.7		≤ 15	0.316		0.01
Naphthalene	TRG	AverageRF	% RSD	3.6		≤ 15	0.996		0.01
‡ Hexachlorobutadiene	TRG	AverageRF	% RSD	6.0		≤ 15	0.334		0.01
‡ 4-Chloro-3-methylphenol	MS	AverageRF	% RSD	10.4		≤ 15	0.321		0.01
† Hexachlorocyclopentadiene	TRG	Quadratic(0,0)	COD	0.999		≥ 0.990	0.660		0.05
‡ 2,4,6-Trichlorophenol	TRG	AverageRF	% RSD	9.3		≤ 15	0.523		0.01
2-Chloronaphthalene	TRG	AverageRF	% RSD	7.0		≤ 15	0.545		0.01
Acenaphthylene	TRG	AverageRF	% RSD	8.3		≤ 15	1.94		0.01
Dimethyl Phthalate	TRG	AverageRF	% RSD	3.5		≤ 15	1.55		0.01
2,6-Dinitrotoluene	TRG	AverageRF	% RSD	12.5		≤ 15	0.364		0.01
‡ Acenaphthene	MS	AverageRF	% RSD	3.4		≤ 15	1.11		0.01
† 2,4-Dinitrophenol	TRG	Quadratic(0,0)	COD	0.997		≥ 0.990	0.202		0.05
† 4-Nitrophenol	MS	AverageRF	% RSD	8.2		≤ 15	0.327		0.05
2,4-Dinitrotoluene	MS	AverageRF	% RSD	11.6		≤ 15	0.520		0.01
Fluorene	TRG	AverageRF	% RSD	5.5		≤ 15	1.42		0.01
4-Chlorophenyl Phenyl Ether	TRG	AverageRF	% RSD	5.4		≤ 15	0.866		0.01
Diethyl Phthalate	TRG	AverageRF	% RSD	3.0		≤ 15	1.65		0.01
2-Methyl-4,6-dinitrophenol	TRG	AverageRF	% RSD	12.9		≤ 15	0.358		0.01
‡ N-Nitrosodiphenylamine	TRG	AverageRF	% RSD	9.0		≤ 15	1.02		0.01
Azobenzene	TRG	AverageRF	% RSD	4.9		≤ 15	1.58		0.01
4-Bromophenyl Phenyl Ether	TRG	AverageRF	% RSD	6.0		≤ 15	0.292		0.01
Hexachlorobenzene	TRG	AverageRF	% RSD	6.1		≤ 15	0.319		0.01
‡ Pentachlorophenol	MS	Quadratic(0,0)	COD	0.999		≥ 0.990	0.195		0.01
Phenanthrene	TRG	AverageRF	% RSD	4.1		≤ 15	1.00		0.01
Anthracene	TRG	AverageRF	% RSD	5.4		≤ 15	1.04		0.01
Di-n-butyl Phthalate	TRG	AverageRF	% RSD	5.0		≤ 15	1.27		0.01
‡ Fluoranthene	TRG	AverageRF	% RSD	8.0		≤ 15	1.25		0.01
Pyrene	MS	AverageRF	% RSD	5.7		≤ 15	1.08		0.01
Butyl Benzyl Phthalate	TRG	AverageRF	% RSD	5.5		≤ 15	0.471		0.01
3,3'-Dichlorobenzidine	TRG	AverageRF	% RSD	12.9		≤ 15	0.427		0.01

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† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

		Calibration Evaluation					RRF Evaluation		
Analyte Name	Compound Type	Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Benz(a)anthracene	TRG	AverageRF	% RSD	5.8		≤ 15	1.03		0.01
Chrysene	TRG	AverageRF	% RSD	4.4		≤ 15	1.03		0.01
Bis(2-ethylhexyl) Phthalate	TRG	AverageRF	% RSD	5.7		≤ 15	0.624		0.01
‡ Di-n-octyl Phthalate	TRG	AverageRF	% RSD	13.8		≤ 15	1.13		0.01
Benzo(b)fluoranthene	TRG	AverageRF	% RSD	11.5		≤ 15	1.07		0.01
Benzo(k)fluoranthene	TRG	AverageRF	% RSD	8.6		≤ 15	1.14		0.01
‡ Benzo(a)pyrene	TRG	AverageRF	% RSD	11.3		≤ 15	0.899		0.01
Indeno(1,2,3-cd)pyrene	TRG	AverageRF	% RSD	12.1		≤ 15	0.810		0.01
Dibenz(a,h)anthracene	TRG	AverageRF	% RSD	12.8		≤ 15	0.851		0.01
Benzo(g,h,i)perylene	TRG	AverageRF	% RSD	9.1		≤ 15	0.892		0.01
2-Fluorophenol	SURR	AverageRF	% RSD	13.6		≤ 15	0.989		0.01
Phenol-d6	SURR	AverageRF	% RSD	9.2		≤ 15	1.16		0.01
Nitrobenzene-d5	SURR	AverageRF	% RSD	8.4		≤ 15	1.32		0.01
2-Fluorobiphenyl	SURR	AverageRF	% RSD	5.2		≤ 15	1.64		0.01
2,4,6-Tribromophenol	SURR	AverageRF	% RSD	10.7		≤ 15	0.175		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	6.3		≤ 15	0.789		0.01
‡ 1,4-Dichlorobenzene	MS	AverageRF	% RSD	4.4		≤ 15	1.49		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010
Date Analyzed: 11/15/2010 - 11/16/2010

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration ID: CAL10053
Units: ng/ml

File ID: J:\MS06\DATA\111510\1115F019.D
J:\MS06\DATA\111510\1115F021.D
J:\MS06\DATA\111510\1115F022.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
N-Nitrosodimethylamine	3000	3000	1.54	1.54	0	NA	± 30 %	AverageRF
Bis(2-chloroethyl) Ether	3000	2900	0.932	0.899	-4	NA	± 30 %	AverageRF
‡ Phenol	3000	3200	1.28	1.34	5	NA	± 20 %	AverageRF
2-Chlorophenol	3000	3200	1.16	1.23	6	NA	± 30 %	AverageRF
Bis(2-chloroisopropyl) Ether	3000	2800	1.97	1.86	-6	NA	± 30 %	AverageRF
Hexachloroethane	3000	3100	0.586	0.601	3	NA	± 30 %	AverageRF
† N-Nitrosodi-n-propylamine	3000	2800	0.842	0.788	-6	NA	± 30 %	AverageRF
Nitrobenzene	3000	2900	1.31	1.28	-2	NA	± 30 %	AverageRF
Isophorone	3000	2900	0.698	0.664	-5	NA	± 30 %	AverageRF
‡ 2-Nitrophenol	3000	3200	0.212	0.228	7	NA	± 20 %	AverageRF
2,4-Dimethylphenol	3000	2800	0.296	0.278	-6	NA	± 30 %	AverageRF
Bis(2-chloroethoxy)methane	3000	3000	0.336	0.334	0	NA	± 30 %	AverageRF
‡ 2,4-Dichlorophenol	3000	3300	0.316	0.346	10	NA	± 20 %	AverageRF
Naphthalene	3000	2900	0.996	0.962	-3	NA	± 30 %	AverageRF
‡ Hexachlorobutadiene	3000	2900	0.334	0.321	-4	NA	± 20 %	AverageRF
‡ 4-Chloro-3-methylphenol	3000	3300	0.321	0.352	10	NA	± 20 %	AverageRF
† Hexachlorocyclopentadiene	5000	5000	0.660	0.719	NA	0	± 30 %	Quadratic(
‡ 2,4,6-Trichlorophenol	3000	3200	0.523	0.556	6	NA	± 20 %	AverageRF
2-Chloronaphthalene	3000	2900	0.545	0.529	-3	NA	± 30 %	AverageRF
Acenaphthylene	3000	2400	1.94	1.55	-20	NA	± 30 %	AverageRF
Dimethyl Phthalate	3000	3000	1.55	1.54	-1	NA	± 30 %	AverageRF
2,6-Dinitrotoluene	3000	3200	0.364	0.392	8	NA	± 30 %	AverageRF
‡ Acenaphthene	3000	3000	1.11	1.09	-2	NA	± 20 %	AverageRF
† 2,4-Dinitrophenol	3000	3100	0.202	0.230	NA	2	± 30 %	Quadratic(
† 4-Nitrophenol	3000	3200	0.327	0.347	6	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	3000	3000	0.520	0.516	-1	NA	± 30 %	AverageRF
Fluorene	3000	3000	1.42	1.43	1	NA	± 30 %	AverageRF
4-Chlorophenyl Phenyl Ether	3000	2900	0.866	0.844	-3	NA	± 30 %	AverageRF
Diethyl Phthalate	3000	2800	1.65	1.55	-6	NA	± 30 %	AverageRF
2-Methyl-4,6-dinitrophenol	3000	3200	0.358	0.380	6	NA	± 30 %	AverageRF
‡ N-Nitrosodiphenylamine	3000	2800	1.02	0.968	-5	NA	± 20 %	AverageRF
Azobenzene	3000	2900	1.58	1.55	-2	NA	± 30 %	AverageRF
4-Bromophenyl Phenyl Ether	3000	3000	0.292	0.293	0	NA	± 30 %	AverageRF
Hexachlorobenzene	3000	3000	0.319	0.315	-1	NA	± 30 %	AverageRF
‡ Pentachlorophenol	3000	3100	0.195	0.215	NA	2	± 20 %	Quadratic(
Phenanthrene	3000	3000	1.00	1.00	0	NA	± 30 %	AverageRF
Anthracene	3000	3000	1.04	1.04	-1	NA	± 30 %	AverageRF
Di-n-butyl Phthalate	3000	2900	1.27	1.23	-3	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010
Date Analyzed: 11/15/2010 - 11/16/2010

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration ID: CAL10053
Units: ng/ml

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
‡ Fluoranthene	3000	3000	1.25	1.25	0	NA	± 30 %	AverageRF
Pyrene	3000	3000	1.08	1.08	0	NA	± 30 %	AverageRF
Butyl Benzyl Phthalate	3000	2900	0.471	0.462	-2	NA	± 30 %	AverageRF
3,3'-Dichlorobenzidine	3000	3200	0.427	0.455	7	NA	± 30 %	AverageRF
Benz(a)anthracene	3000	2900	1.03	1.00	-3	NA	± 30 %	AverageRF
Chrysene	3000	3000	1.03	1.02	-1	NA	± 30 %	AverageRF
Bis(2-ethylhexyl) Phthalate	3000	3000	0.624	0.619	-1	NA	± 30 %	AverageRF
‡ Di-n-octyl Phthalate	3000	3200	1.13	1.19	6	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	3000	2900	1.07	1.03	-4	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	3000	3000	1.14	1.13	-1	NA	± 30 %	AverageRF
‡ Benzo(a)pyrene	3000	3500	0.899	1.04	16	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	3000	3100	0.810	0.838	3	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	3000	3100	0.851	0.885	4	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	3000	3000	0.892	0.892	0	NA	± 30 %	AverageRF
‡ 1,4-Dichlorobenzene	3000	2800	1.49	1.40	-6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/29/2010

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration Date: 11/15/2010
Calibration ID: CAL10053
Analysis Lot: KWG1013042
Units: ng/ml

File ID: J:\MS06\DATA\112910\1129F004.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Benzidine	3000	2400	0.01	0.549	0.432	-21	NA	± 30 %	AverageRF
N-Nitrosodimethylamine	3000	4300	0.01	1.54	2.21	43 *	NA	± 30 %	AverageRF
Bis(2-chloroethyl) Ether	3000	2500	0.01	0.932	0.784	-16	NA	± 30 %	AverageRF
‡ Phenol	3000	2800	0.01	1.28	1.21	-5	NA	± 20 %	AverageRF
2-Chlorophenol	3000	3000	0.01	1.16	1.16	0	NA	± 30 %	AverageRF
Bis(2-chloroisopropyl) Ether	3000	2700	0.01	1.97	1.80	-9	NA	± 30 %	AverageRF
Hexachloroethane	3000	3300	0.01	0.586	0.639	9	NA	± 30 %	AverageRF
† N-Nitrosodi-n-propylamine	3000	3100	0.05	0.842	0.879	4	NA	± 30 %	AverageRF
Nitrobenzene	3000	3100	0.01	1.31	1.36	4	NA	± 30 %	AverageRF
Isophorone	3000	3100	0.01	0.698	0.711	2	NA	± 30 %	AverageRF
‡ 2-Nitrophenol	3000	3200	0.01	0.212	0.229	8	NA	± 20 %	AverageRF
2,4-Dimethylphenol	3000	2900	0.01	0.296	0.286	-3	NA	± 30 %	AverageRF
Bis(2-chloroethoxy)methane	3000	2700	0.01	0.336	0.307	-9	NA	± 30 %	AverageRF
‡ 2,4-Dichlorophenol	3000	3300	0.01	0.316	0.351	11	NA	± 20 %	AverageRF
Naphthalene	3000	2900	0.01	0.996	0.976	-2	NA	± 30 %	AverageRF
‡ Hexachlorobutadiene	3000	3300	0.01	0.334	0.370	11	NA	± 20 %	AverageRF
‡ 4-Chloro-3-methylphenol	3000	3100	0.01	0.321	0.329	3	NA	± 20 %	AverageRF
† Hexachlorocyclopentadiene	3000	2700	0.05	0.660	0.638	NA	-10	± 30 %	Quadratic(0,
‡ 2,4,6-Trichlorophenol	3000	3300	0.01	0.523	0.582	11	NA	± 20 %	AverageRF
2-Chloronaphthalene	3000	3400	0.01	0.545	0.614	13	NA	± 30 %	AverageRF
Acenaphthylene	3000	3100	0.01	1.94	2.03	5	NA	± 30 %	AverageRF
Dimethyl Phthalate	3000	3200	0.01	1.55	1.68	8	NA	± 30 %	AverageRF
2,6-Dinitrotoluene	3000	3300	0.01	0.364	0.404	11	NA	± 30 %	AverageRF
‡ Acenaphthene	3000	3100	0.01	1.11	1.14	3	NA	± 20 %	AverageRF
† 2,4-Dinitrophenol	3000	2600	0.05	0.202	0.196	NA	-12	± 30 %	Quadratic(0,
† 4-Nitrophenol	3000	3500	0.05	0.327	0.377	15	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	3000	3300	0.01	0.520	0.573	10	NA	± 30 %	AverageRF
Fluorene	3000	3200	0.01	1.42	1.50	6	NA	± 30 %	AverageRF
4-Chlorophenyl Phenyl Ether	3000	3200	0.01	0.866	0.930	7	NA	± 30 %	AverageRF
Diethyl Phthalate	3000	3100	0.01	1.65	1.70	3	NA	± 30 %	AverageRF
2-Methyl-4,6-dinitrophenol	3000	3000	0.01	0.358	0.359	0	NA	± 30 %	AverageRF
‡ N-Nitrosodiphenylamine	3000	3200	0.01	1.02	1.09	7	NA	± 20 %	AverageRF
Azobenzene	3000	3300	0.01	1.58	1.73	10	NA	± 30 %	AverageRF
4-Bromophenyl Phenyl Ether	3000	3200	0.01	0.292	0.311	7	NA	± 30 %	AverageRF
Hexachlorobenzene	3000	3200	0.01	0.319	0.344	8	NA	± 30 %	AverageRF
‡ Pentachlorophenol	3000	2600	0.01	0.195	0.181	NA	-14	± 20 %	Quadratic(0,
Phenanthrene	3000	3000	0.01	1.00	0.991	-1	NA	± 30 %	AverageRF
Anthracene	3000	3000	0.01	1.04	1.05	1	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/29/2010

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration Date: 11/15/2010
Calibration ID: CAL10053
Analysis Lot: KWG1013042
Units: ng/ml

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Di-n-butyl Phthalate	3000	3100	0.01	1.27	1.32	3	NA	± 30 %	AverageRF
‡ Fluoranthene	3000	3100	0.01	1.25	1.29	4	NA	± 20 %	AverageRF
Pyrene	3000	2800	0.01	1.08	1.01	-7	NA	± 30 %	AverageRF
Butyl Benzyl Phthalate	3000	2900	0.01	0.471	0.456	-3	NA	± 30 %	AverageRF
3,3'-Dichlorobenzidine	3000	3200	0.01	0.427	0.450	5	NA	± 30 %	AverageRF
Benz(a)anthracene	3000	3000	0.01	1.03	1.03	0	NA	± 30 %	AverageRF
Chrysene	3000	3000	0.01	1.03	1.02	-1	NA	± 30 %	AverageRF
Bis(2-ethylhexyl) Phthalate	3000	3100	0.01	0.624	0.655	5	NA	± 30 %	AverageRF
‡ Di-n-octyl Phthalate	3000	3100	0.01	1.13	1.15	2	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	3000	3000	0.01	1.07	1.07	0	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	3000	3000	0.01	1.14	1.14	0	NA	± 30 %	AverageRF
‡ Benzo(a)pyrene	3000	3000	0.01	0.899	0.910	1	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	3000	3300	0.01	0.810	0.880	9	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	3000	3300	0.01	0.851	0.947	11	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	3000	3300	0.01	0.892	0.991	11	NA	± 30 %	AverageRF
2-Fluorophenol	3000	3000	0.01	0.989	0.974	-1	NA	± 30 %	AverageRF
Phenol-d6	3000	2800	0.01	1.16	1.07	-8	NA	± 30 %	AverageRF
Nitrobenzene-d5	3000	3200	0.01	1.32	1.42	8	NA	± 30 %	AverageRF
2-Fluorobiphenyl	3000	3200	0.01	1.64	1.76	7	NA	± 30 %	AverageRF
2,4,6-Tribromophenol	3000	3300	0.01	0.175	0.192	10	NA	± 30 %	AverageRF
Terphenyl-d14	3000	3000	0.01	0.789	0.783	-1	NA	± 30 %	AverageRF
‡ 1,4-Dichlorobenzene	3000	3000	0.01	1.49	1.48	0	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Analysis Run Log
Semi-Volatile Organic Compounds by GC/MS

Analysis Method: 8270C

Analysis Lot: KWG1013042
Instrument ID: MS06

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1129F018.D	ZZZZZZ	ZZZZZZ	11/29/2010	21:11		11/29/2010	21:39
1129F019.D	ZZZZZZ	ZZZZZZ	11/29/2010	21:49		11/29/2010	22:18
1129F020.D	ZZZZZZ	ZZZZZZ	11/29/2010	22:27		11/29/2010	22:55
1129F003.D	GC/MS Tuning - Generic	KWG1013042-1	11/29/2010	10:34		11/29/2010	11:02
1129F004.D	Continuing Calibration Verification	KWG1013042-2	11/29/2010	11:36		11/29/2010	12:04
1129F006.D	Method Blank	KWG1012791-3	11/29/2010	13:08		11/29/2010	13:37
1129F007.D	Lab Control Sample	KWG1012791-1	11/29/2010	14:17		11/29/2010	14:45
1129F008.D	Duplicate Lab Control Sample	KWG1012791-2	11/29/2010	14:55		11/29/2010	15:23
1129F009.D	FW0001	K1012914-029	11/29/2010	15:33		11/29/2010	16:01
1129F010.D	FW0002	K1012914-030	11/29/2010	16:10		11/29/2010	16:38
1129F011.D	FW0003	K1012914-031	11/29/2010	16:48		11/29/2010	17:16
1129F012.D	ZZZZZZ	ZZZZZZ	11/29/2010	17:26		11/29/2010	17:54
1129F013.D	ZZZZZZ	ZZZZZZ	11/29/2010	18:04		11/29/2010	18:32
1129F014.D	ZZZZZZ	ZZZZZZ	11/29/2010	18:41		11/29/2010	19:09
1129F015.D	ZZZZZZ	ZZZZZZ	11/29/2010	19:18		11/29/2010	19:46
1129F016.D	ZZZZZZ	ZZZZZZ	11/29/2010	19:56		11/29/2010	20:24
1129F017.D	ZZZZZZ	ZZZZZZ	11/29/2010	20:34		11/29/2010	21:02

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Extracted: 11/22/2010

Extraction Prep Log
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Extraction Lot: KWG1012791
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
FW0001	K1012914-029	11/15/10	11/17/10	1Wipe	2ml	NA	
FW0002	K1012914-030	11/16/10	11/17/10	1Wipe	2ml	NA	
FW0003	K1012914-031	11/16/10	11/17/10	1Wipe	2ml	NA	
Method Blank	KWG1012791-3	NA	NA	1Wipe	2ml	NA	
Lab Control Sample	KWG1012791-1	NA	NA	1Wipe	2ml	NA	
Duplicate Lab Control Sample	KWG1012791-2	NA	NA	1Wipe	2ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

QC Reports

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914

Surrogate Recovery Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1	Sur2		Sur3	Sur4	Sur5		Sur6
FW0001	K1012914-029	64	63		66	66	74		89
FW0002	K1012914-030	24	5	*	66	63	8	*	82
FW0003	K1012914-031	67	68		70	71	79		91
Method Blank	KWG1012791-3	65	70		84	60	74		119
Lab Control Sample	KWG1012791-1	59	57		62	57	68		70
Duplicate Lab Control Sample	KWG1012791-2	51	51		56	55	70		74

Surrogate Recovery Control Limits (%)

Sur1 =	2-Fluorophenol	11-80	Sur5 =	2,4,6-Tribromophenol	10-119
Sur2 =	Phenol-d6	20-86	Sur6 =	Terphenyl-d14	33-129
Sur3 =	Nitrobenzene-d5	29-91			
Sur4 =	2-Fluorobiphenyl	25-97			

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Analyzed:**	11/29/2010
		Time Analyzed:	11:36

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID:	J:\MS06\DATA\112910\1129F004.D	**Lab Code:**	KWG1013042-2
Instrument ID:	MS06	**Analysis Lot:**	KWG1013042
Analysis Method:	8270C		

		1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	91,093	8.25	267,799	10.14	136,505	12.95
	Upper Limit ==>	182,186	8.75	535,598	10.64	273,010	13.45
	Lower Limit ==>	45,547	7.75	133,900	9.64	68,253	12.45
	ICAL Result ==>	71,417	8.28	219,693	10.15	114,890	12.95
Associated Analyses							
Method Blank	KWG1012791-3	53,803	8.28	202,348	10.14	165,912	12.94
Lab Control Sample	KWG1012791-1	95,690	8.26	286,143	10.14	149,643	12.95
Duplicate Lab Control Sample	KWG1012791-2	89,947	8.25	258,088	10.13	139,621	12.94
FW0001	K1012914-029	87,980	8.25	250,658	10.13	139,513	12.94
FW0002	K1012914-030	88,253	8.25	260,459	10.13	143,163	12.94
FW0003	K1012914-031	94,720	8.25	273,854	10.13	152,019	12.94

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/29/2010
Time Analyzed: 11:36

Internal Standard Area and RT Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS06\DATA\112910\1129F004.D
Instrument ID: MS06
Analysis Method: 8270C

Lab Code: KWG1013042-2
Analysis Lot: KWG1013042

		Phenanthrene-d10		Chrysene-d12		Perylene-d12	
		Area	**RT**	**Area**	**RT**	**Area**	**RT**
	Results ==>	280,774	15.36	367,570	19.71	344,244	23.15
	Upper Limit ==>	561,548	15.86	735,140	20.21	688,488	23.65
	Lower Limit ==>	140,387	14.86	183,785	19.21	172,122	22.65
	ICAL Result ==>	223,682	15.36	270,570	19.72	233,962	23.14
Associated Analyses							
Method Blank	KWG1012791-3	362,998	15.35	326,933	19.70	290,411	23.13
Lab Control Sample	KWG1012791-1	290,064	15.36	408,620	19.71	360,903	23.14
Duplicate Lab Control Sample	KWG1012791-2	277,315	15.35	384,441	19.71	351,285	23.13
FW0001	K1012914-029	305,755	15.35	360,396	19.70	331,176	23.13
FW0002	K1012914-030	314,497	15.35	380,496	19.70	353,080	23.13
FW0003	K1012914-031	325,163	15.34	384,182	19.70	355,300	23.13

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/29/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method:	EPA 3541	**Units:**	ug/WIPE
Analysis Method:	8270C	**Basis:**	Wet
		Level:	Low
		Extraction Lot:	KWG1012791

	Lab Control Sample KWG1012791-1 Lab Control Spike			Duplicate Lab Control Sample KWG1012791-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
N-Nitrosodimethylamine	3.87	5.00	77	3.18	5.00	64	18-91	20	40
Bis(2-chloroethyl) Ether	2.70	5.00	54	2.29	5.00	46	29-86	16	40
Phenol	2.80	5.00	56	2.29	5.00	46	28-91	20	40
2-Chlorophenol	2.94	5.00	59	2.52	5.00	50	31-83	15	40
Bis(2-chloroisopropyl) Ether	2.87	5.00	57	2.44	5.00	49	23-88	17	40
Hexachloroethane	3.04	5.00	61	2.54	5.00	51	25-84	18	40
N-Nitrosodi-n-propylamine	3.33	5.00	67	2.95	5.00	59	24-89	12	40
Nitrobenzene	3.21	5.00	64	2.76	5.00	55	29-87	15	40
Isophorone	3.25	5.00	65	3.14	5.00	63	33-83	3	40
2-Nitrophenol	3.31	5.00	66	2.84	5.00	57	33-89	15	40
2,4-Dimethylphenol	0.975	5.00	19	1.42	5.00	28	10-63	37	40
Bis(2-chloroethoxy)methane	3.00	5.00	60	2.64	5.00	53	33-85	13	40
2,4-Dichlorophenol	3.17	5.00	63	2.88	5.00	58	33-83	10	40
Naphthalene	2.95	5.00	59	2.69	5.00	54	32-84	9	40
Hexachlorobutadiene	3.11	5.00	62	2.96	5.00	59	28-87	5	40
4-Chloro-3-methylphenol	3.16	5.00	63	3.12	5.00	62	28-87	1	40
Hexachlorocyclopentadiene	1.93	5.00	39	1.70	5.00	34	10-66	13	40
2,4,6-Trichlorophenol	3.05	5.00	61	2.98	5.00	60	31-86	2	40
2-Chloronaphthalene	3.19	5.00	64	2.95	5.00	59	31-86	8	40
Acenaphthylene	3.20	5.00	64	2.94	5.00	59	33-87	8	40
Dimethyl Phthalate	3.55	5.00	71	3.42	5.00	68	38-91	4	40
2,6-Dinitrotoluene	3.71	5.00	74	3.51	5.00	70	36-94	6	40
Acenaphthene	3.16	5.00	63	2.92	5.00	58	35-83	8	40
2,4-Dinitrophenol	1.68	5.00	34	1.90	5.00	38	10-100	12	40
4-Nitrophenol	3.33	5.00	67	3.60	5.00	72	32-110	8	40
2,4-Dinitrotoluene	3.61	5.00	72	3.60	5.00	72	40-98	0	40
Fluorene	3.32	5.00	66	3.15	5.00	63	36-87	5	40
4-Chlorophenyl Phenyl Ether	3.40	5.00	68	3.12	5.00	62	34-87	9	40
Diethyl Phthalate	3.55	5.00	71	3.46	5.00	69	39-98	2	40
2-Methyl-4,6-dinitrophenol	2.94	5.00	59	3.10	5.00	62	27-102	5	40
N-Nitrosodiphenylamine	3.31	5.00	66	3.09	5.00	62	29-92	7	40
Azobenzene	3.55	5.00	71	3.28	5.00	66	32-89	8	40
4-Bromophenyl Phenyl Ether	3.56	5.00	71	3.31	5.00	66	38-90	7	40
Hexachlorobenzene	3.64	5.00	73	3.38	5.00	68	39-90	7	40
Pentachlorophenol	2.16	5.00	43	2.64	5.00	53	21-97	20	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Extracted: 11/22/2010
Date Analyzed: 11/29/2010

Lab Control Spike/Duplicate Lab Control Spike Summary
Semi-Volatile Organic Compounds by GC/MS

Extraction Method: EPA 3541
Analysis Method: 8270C

Units: ug/WIPE
Basis: Wet
Level: Low
Extraction Lot: KWG1012791

	Lab Control Sample KWG1012791-1 Lab Control Spike			Duplicate Lab Control Sample KWG1012791-2 Duplicate Lab Control Spike					
Analyte Name	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Phenanthrene	3.53	5.00	71	3.31	5.00	66	41-90	6	40
Anthracene	3.47	5.00	69	3.36	5.00	67	35-93	3	40
Di-n-butyl Phthalate	3.91	5.00	78	3.73	5.00	75	40-116	5	40
Fluoranthene	3.85	5.00	77	3.80	5.00	76	42-103	1	40
Pyrene	3.16	5.00	63	3.18	5.00	64	42-105	0	40
Butyl Benzyl Phthalate	3.48	5.00	70	3.41	5.00	68	41-114	2	40
3,3'-Dichlorobenzidine	2.90	5.00	58	2.35	5.00	47	13-98	21	40
Benz(a)anthracene	3.58	5.00	72	3.63	5.00	73	43-104	1	40
Chrysene	3.45	5.00	69	3.49	5.00	70	47-104	1	40
Bis(2-ethylhexyl) Phthalate	3.80	5.00	76	3.88	5.00	78	40-122	2	40
Di-n-octyl Phthalate	3.90	5.00	78	3.81	5.00	76	43-119	2	40
Benzo(b)fluoranthene	3.50	5.00	70	3.54	5.00	71	45-106	1	40
Benzo(k)fluoranthene	3.59	5.00	72	3.56	5.00	71	47-105	1	40
Benzo(a)pyrene	3.64	5.00	73	3.61	5.00	72	35-109	1	40
Indeno(1,2,3-cd)pyrene	3.82	5.00	76	3.74	5.00	75	43-111	2	40
Dibenz(a,h)anthracene	3.72	5.00	74	3.67	5.00	73	44-110	1	40
Benzo(g,h,i)perylene	3.71	5.00	74	3.65	5.00	73	38-108	2	40

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/29/2010
		Time Analyzed:	13:08

Method Blank Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**File ID:**	J:\MS06\DATA\112910\1129F006.D
Lab Code:	KWG1012791-3	**Instrument ID:**	MS06
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	KWG1012791

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG1012791-1	J:\MS06\DATA\112910\1129F007.D	11/29/10	14:17
Duplicate Lab Control Sample	KWG1012791-2	J:\MS06\DATA\112910\1129F008.D	11/29/10	14:55
FW0001	K1012914-029	J:\MS06\DATA\112910\1129F009.D	11/29/10	15:33
FW0002	K1012914-030	J:\MS06\DATA\112910\1129F010.D	11/29/10	16:10
FW0003	K1012914-031	J:\MS06\DATA\112910\1129F011.D	11/29/10	16:48

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Extracted:**	11/22/2010
Sample Matrix:	Wipe	**Date Analyzed:**	11/29/2010
		Time Analyzed:	14:17

Lab Control Sample Summary
Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**File ID:**	J:\MS06\DATA\112910\1129F007.D
Lab Code:	KWG1012791-1	**Instrument ID:**	MS06
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C	**Extraction Lot:**	KWG1012791

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG1012791-3	J:\MS06\DATA\112910\1129F006.D	11/29/10	13:08
FW0001	K1012914-029	J:\MS06\DATA\112910\1129F009.D	11/29/10	15:33
FW0002	K1012914-030	J:\MS06\DATA\112910\1129F010.D	11/29/10	16:10
FW0003	K1012914-031	J:\MS06\DATA\112910\1129F011.D	11/29/10	16:48

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

Raw Data

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW0001	**Units:**	ug/WIPE
Lab Code:	K1012914-029	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodimethylamine	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Phenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroisopropyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachloroethane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodi-n-propylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Nitrobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Isophorone	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2-Nitrophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2,4-Dimethylphenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethoxy)methane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Naphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobutadiene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chloro-3-methylphenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Hexachlorocyclopentadiene	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
2,4,6-Trichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chloronaphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dimethyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,6-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrophenol	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
4-Nitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Fluorene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chlorophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Diethyl Phthalate	**0.52**		0.20	1	11/22/10	11/29/10	KWG1012791	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodiphenylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Azobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW0001
Lab Code: K1012914-029

Units: ug/WIPE
Basis: Wet

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pentachlorophenol	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Phenanthrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Di-n-butyl Phthalate	**0.94**		0.20	1	11/22/10	11/29/10	KWG1012791	
Fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Butyl Benzyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
3,3'-Dichlorobenzidine	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Benz(a)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Chrysene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Bis(2-ethylhexyl) Phthalate	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Di-n-octyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(b)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(k)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(a)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Indeno(1,2,3-cd)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dibenz(a,h)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(g,h,i)perylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	64	11-80	11/29/10	Acceptable
Phenol-d6	63	20-86	11/29/10	Acceptable
Nitrobenzene-d5	66	29-91	11/29/10	Acceptable
2-Fluorobiphenyl	66	25-97	11/29/10	Acceptable
2,4,6-Tribromophenol	74	10-119	11/29/10	Acceptable
Terphenyl-d14	89	33-129	11/29/10	Acceptable

Comments:

Exception Report

Data File: J:\MS06\DATA\112910\1129F009.D
Lab ID: K1012914-029
RunType: SMPL
Matrix: WIPE

Date Acquired: 11/29/2010 15:33
Date Quantitated: 11/30/2010 08:49
Batch ID: KWG1013042
Analysis Method: 8270C
ListJoinID: LJ12126

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: LB 11/30/10

Secondary Review: 11/30/10

Quantitation Report

Bottle ID:	06	**Tier:**	V	**Matrix:**	WIPE
Prod Code:	8270C SVO_LL	**Collect Date:**	11/15/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1013042	**Prep Lot:**	KWG1012791	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	980567	**Prep Date:**	11/22/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12126
Tune Ref:	J:\MS06\DATA\112910\1129F003.D	**Method ID:**	MJ340
MB Ref:	J:\MS06\DATA\112910\1129F006.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112910\1129F009.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 15:33	**Quant Date:**	11/30/2010 08:49	**Vial:**	7
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-029			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.25	0.00?	152	87980	1,000.00	OK
2	Naphthalene-d8	10.13	-0.01?	136	250658	1,000.00	OK
3	Acenaphthene-d10	12.94	-0.01?	164	139513	1,000.00	OK
4	Phenanthrene-d10	15.35	-0.01?	188	305755	1,000.00	OK
5	Chrysene-d12	19.70	-0.01?	240	360396	1,000.00	OK
6	Perylene-d12	23.13	-0.02?	264	331176	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.60	0.00	0.00	112	181556	2,087	64	11-80 OK	
1	Phenol-d6	7.80	0.00	0.00	99	210032	2,057	63	20-86 OK	
1	Nitrobenzene-d5	9.05	-0.02	0.00	82	192478	1,661	66	29-91 OK	
3	2-Fluorobiphenyl	11.88	-0.01	0.00	172	380882	1,661	66	25-97 OK	
4	2,4,6-Tribromophenol	14.23	-0.01	0.00	330	148549	2,782	74	10-119 OK	
5	Terphenyl-d14	18.00	-0.01	0.00	244	632179	2,223	89	33-129 OK	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		1.0	U	
1	Bis(2-chloroethyl) Ether				93	0		0.20	U	
1	Phenol	7.82		0.00	94	6758	60.07	0.50	U	
1	2-Chlorophenol				128	0		0.50	U	
1	Bis(2-chloroisopropyl) Ether				45	0d		0.20	U	
1	Hexachloroethane				117	0		0.20	U	
1	N-Nitrosodi-n-propylamine				70	0d		0.20	U	
1	Nitrobenzene				77	0d		0.20	U	
2	Isophorone				82	0d		0.20	U	
2	2-Nitrophenol				139	0		0.50	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F009.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 15:33	**Quant Date:**	11/30/2010 08:49	**Vial:**	7
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-029			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0		2.0	U	
2	Bis(2-chloroethoxy)methane				93	0		0.20	U	
2	2,4-Dichlorophenol				162	0		0.50	U	
2	Naphthalene				128	0		0.20	U	
2	Hexachlorobutadiene				225	0		0.20	U	
2	4-Chloro-3-methylphenol				107	0d		0.50	U	
3	Hexachlorocyclopentadiene				237	0		1.0	U	
3	2,4,6-Trichlorophenol				196	0		0.50	U	
3	2-Chloronaphthalene				127	0d		0.20	U	
3	Acenaphthylene				152	0		0.20	U	
3	Dimethyl Phthalate	12.58	-0.02	0.00	163	4997m	23.06	0.20	U	
3	2,6-Dinitrotoluene				165	0d		0.20	U	
3	Acenaphthene				154	0d		0.20	U	
3	2,4-Dinitrophenol				184	0		4.0	U	
3	4-Nitrophenol				109	0d		2.0	U	
3	2,4-Dinitrotoluene				165	0d		0.20	U	
3	Fluorene				166	0d		0.20	U	
3	4-Chlorophenyl Phenyl Ether				204	0d		0.20	U	
3	Diethyl Phthalate	13.74	-0.01	0.00	149	60232m	262.05	0.52		
3	2-Methyl-4,6-dinitrophenol				198	0		2.0	U	
3	N-Nitrosodiphenylamine				169	0d		0.20	U	
3	Azobenzene				77	0d		0.20	U	
4	4-Bromophenyl Phenyl Ether				248	0		0.20	U	
4	Hexachlorobenzene				284	0		0.20	U	
4	Pentachlorophenol				266	0		1.0	U	
4	Phenanthrene				178	0d		0.20	U	
4	Anthracene				178	0d		0.20	U	
4	Di-n-butyl Phthalate	16.42	-0.01	0.00	149	182123	468.41	0.94		
4	Fluoranthene	17.32	-0.01	0.00	202	1693	4.43	0.20	U	
5	Benzidine				184	0d		4.0	U	
5	Pyrene	17.68	-0.01	0.00	202	2102	5.41	0.20	U	
5	Butyl Benzyl Phthalate	18.85		0.00	149	4777m	28.16	0.20	U	
5	3,3'-Dichlorobenzidine				252	0		0.50	U	
5	Benz(a)anthracene				228	0d		0.20	U	
5	Chrysene				228	0d		0.20	U	
5	Bis(2-ethylhexyl) Phthalate	19.91		0.00	149	8555m	38.02	2.0	U	
6	Di-n-octyl Phthalate				149	0d		0.20	U	
6	Benzo(b)fluoranthene				252	0d		0.20	U	
6	Benzo(k)fluoranthene				252	0d		0.20	U	
6	Benzo(a)pyrene				252	0d		0.20	U	
6	Indeno(1,2,3-cd)pyrene				276	0d		0.20	U	
6	Dibenz(a,h)anthracene				278	0		0.20	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F009.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 15:33	**Quant Date:**	11/30/2010 08:49	**Vial:**	7
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-029			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene				276	0		0.20	U	

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F009.D Vial: 7
Acq On : 29 Nov 2010 3:33 pm Operator: KBailey
Sample : K1012914-029 Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:38:29 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	87980	1000.00	ng/ml	-0.02
22) Naphthalene-d8	10.13	136	250658	1000.00	ng/ml	-0.02
36) Acenaphthene-d10	12.94	164	139513	1000.00	ng/ml	-0.01
60) Phenanthrene-d10	15.35	188	305755	1000.00	ng/ml	-0.01
70) Chrysene-d12	19.70	240	360396	1000.00	ng/ml	-0.02
79) Perylene-d12	23.13	264	331176	1000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	6.60	112	181556	2086.75	ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 55.65%			
6) Phenol-d6	7.80	99	210032	2056.94	ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 54.85%			
20) Nitrobenzene-d5	9.05	82	192478	1661.05	ng/ml	-0.02
Spiked Amount 2500.000	Range 30 - 139		Recovery = 66.44%			
40) 2-Fluorobiphenyl	11.88	172	380882	1660.56	ng/ml	-0.02
Spiked Amount 2500.000	Range 37 - 126		Recovery = 66.42%			
61) 2,4,6-Tribromophenol	14.23	330	148549	2781.97	ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 74.19%			
73) Terphenyl-d14	18.00	244	632179	2223.22	ng/ml	-0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 88.93%			

Target Compounds						Qvalue
7) Phenol	7.82	94	6758	60.07	ng/ml#	1
13) Benzyl Alcohol	8.48	108	16277	312.90	ng/ml	99
44) Dimethyl Phthalate	12.58	163	4997m	23.06	ng/ml	
55) Diethyl Phthalate	13.74	149	60232m	262.05	ng/ml	
67) Carbazole	15.76	167	8381	30.11	ng/ml	71
68) Di-n-butyl Phthalate	16.42	149	182123	468.41	ng/ml	96
69) Fluoranthene	17.32	202	1693	4.43	ng/ml#	1
72) Pyrene	17.68	202	2102	5.41	ng/ml	84
74) Butyl Benzyl Phthalate	18.85	149	4777m	28.16	ng/ml	
78) Bis(2-ethylhexyl) Phthalat	19.91	149	8555m	38.02	ng/ml	

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

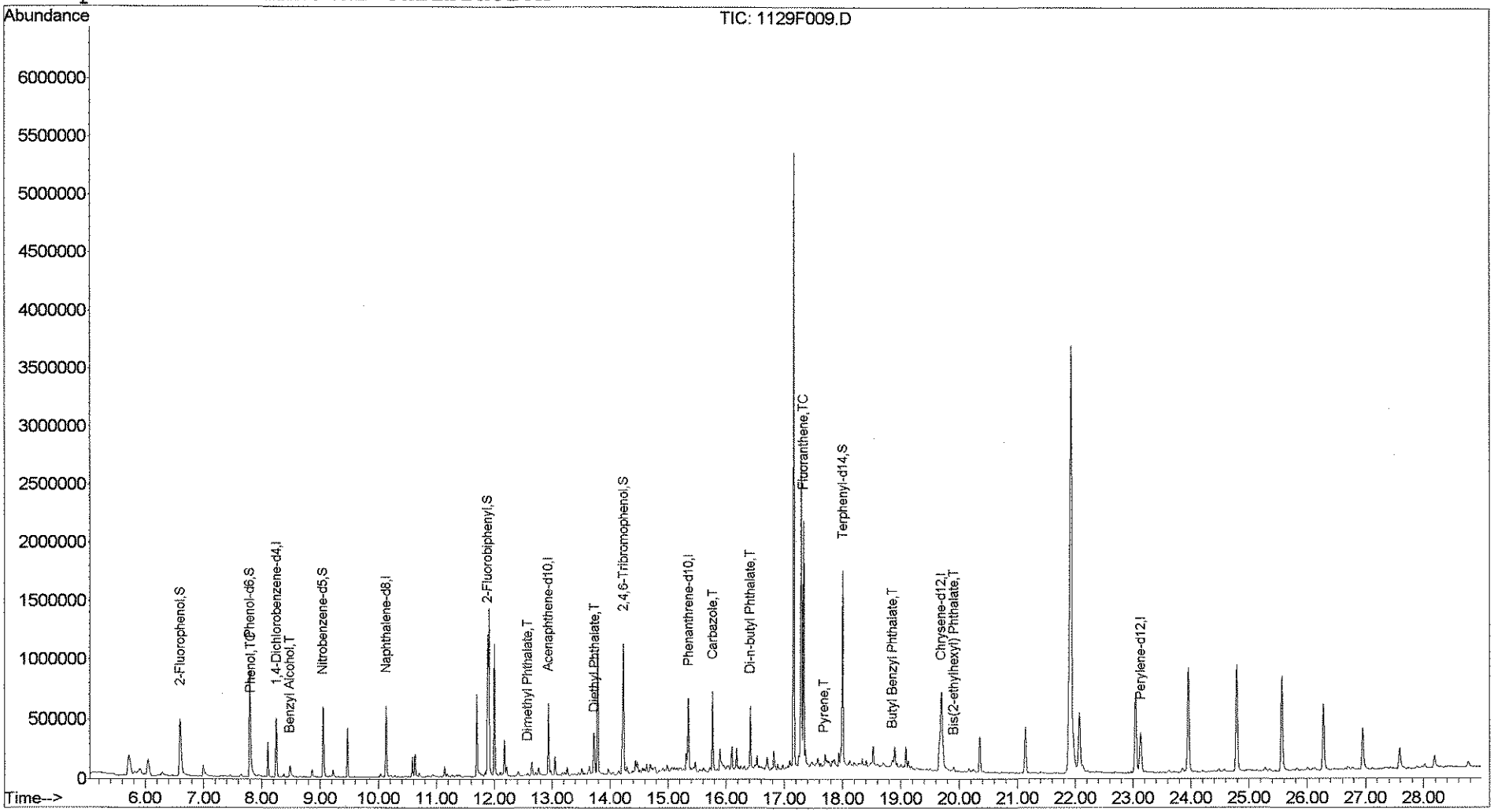
Quantitation Report (QT Reviewed)

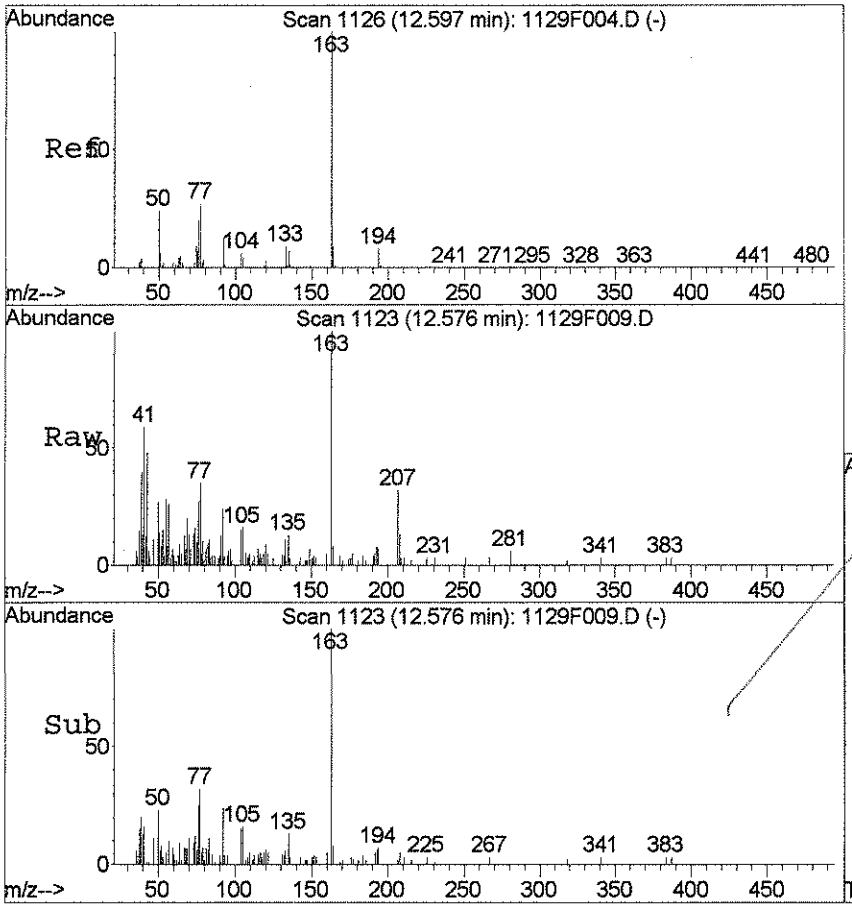
Data File : J:\MS06\DATA\112910\1129F009.D
Acq On : 29 Nov 2010 3:33 pm
Sample : K1012914-029
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:49 2010

Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration

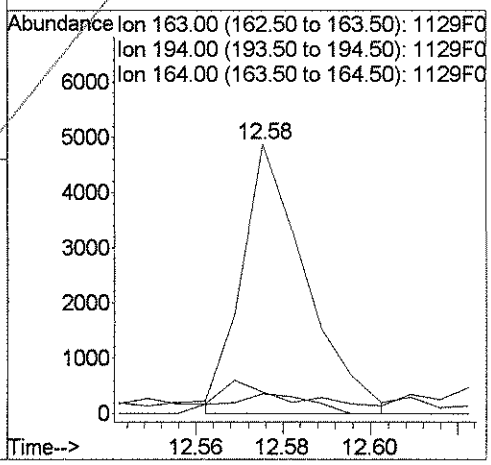


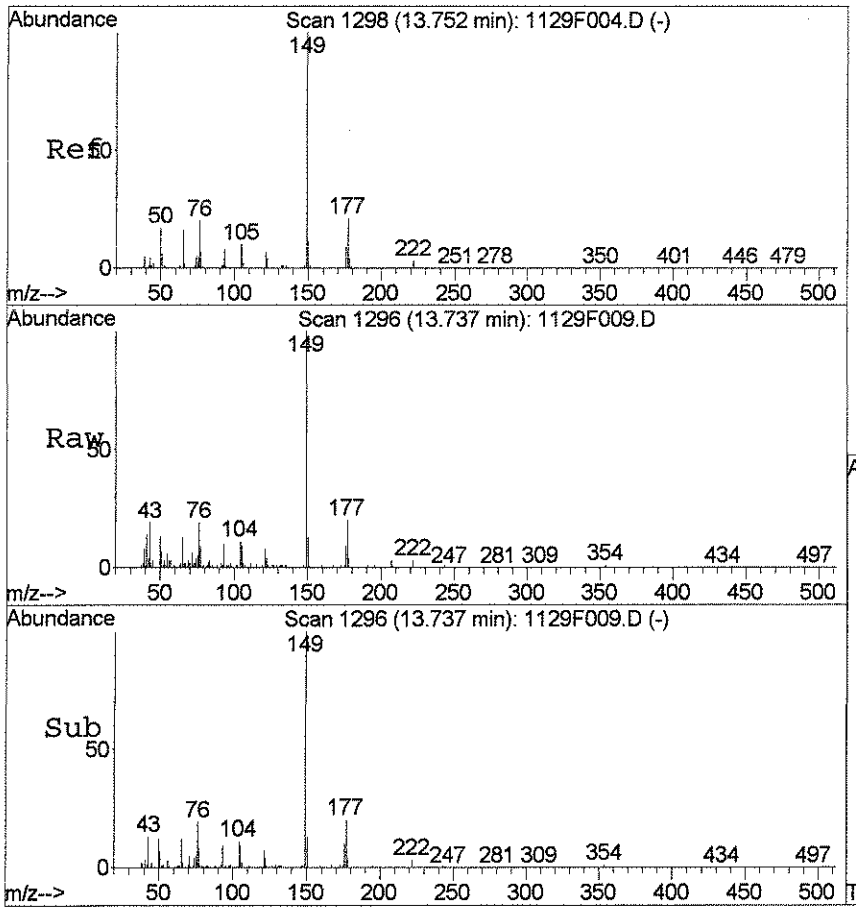


#44
Dimethyl Phthalate
Concen: 23.06 ng/ml m
RT: 12.58 min Scan# 1123
Delta R.T. -0.02 min
Lab File: 1129F009.D
Acq: 29 Nov 2010 3:33 pm

Tgt Ion:163 Resp: 4997

Ion	Ratio	Lower	Upper
163	100		
194	7.4	0.0	37.0
164	8.0	0.0	40.1

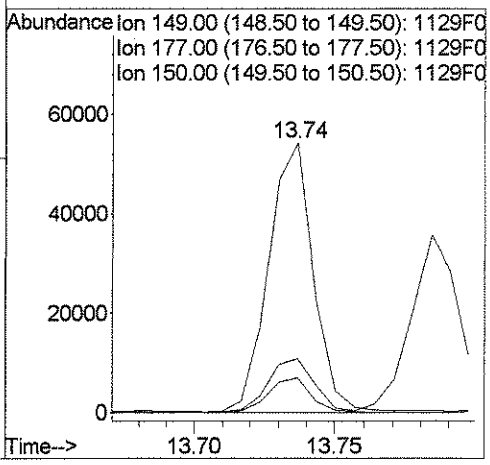


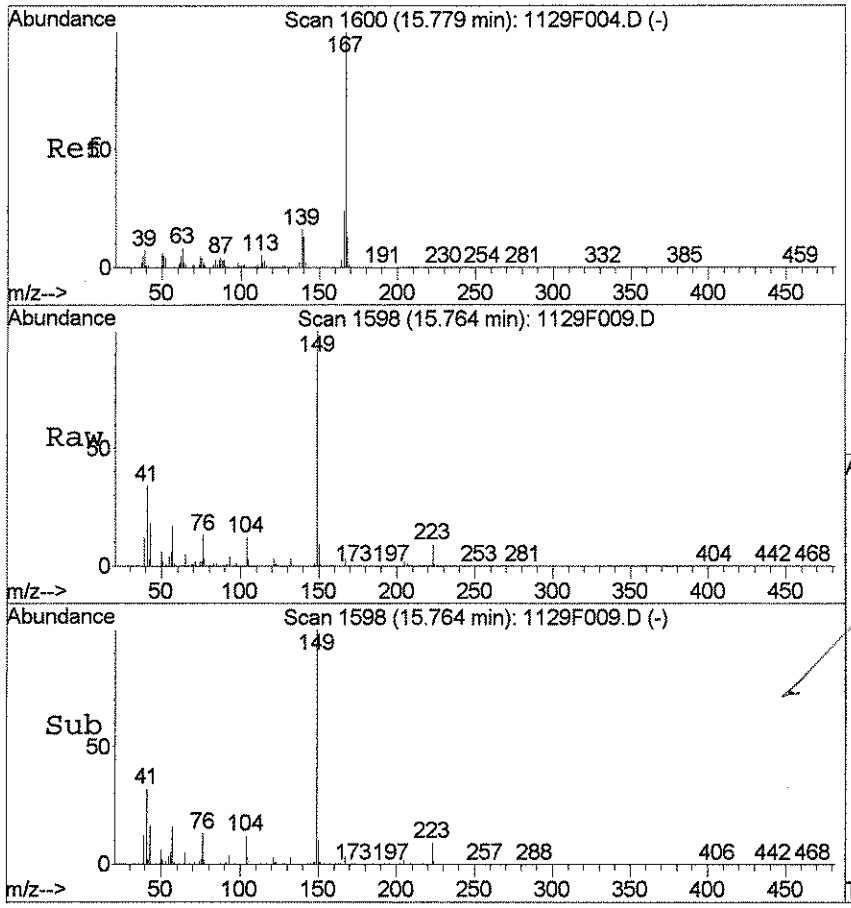


#55
Diethyl Phthalate
Concen: 262.05 ng/ml m
RT: 13.74 min Scan# 1296
Delta R.T. -0.02 min
Lab File: 1129F009.D
Acq: 29 Nov 2010 3:33 pm

Tgt Ion:149 Resp: 60232

Ion	Ratio	Lower	Upper
149	100		
177	19.9	0.0	51.7
150	12.9	0.0	41.7

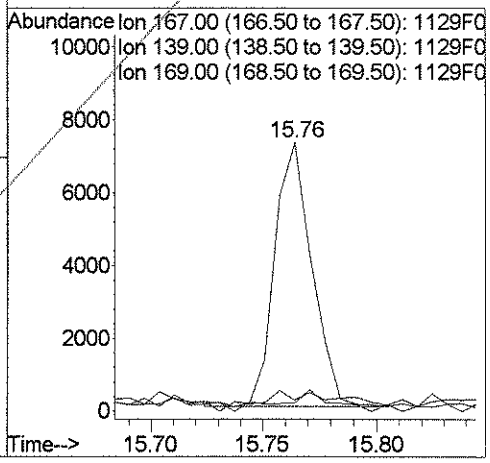


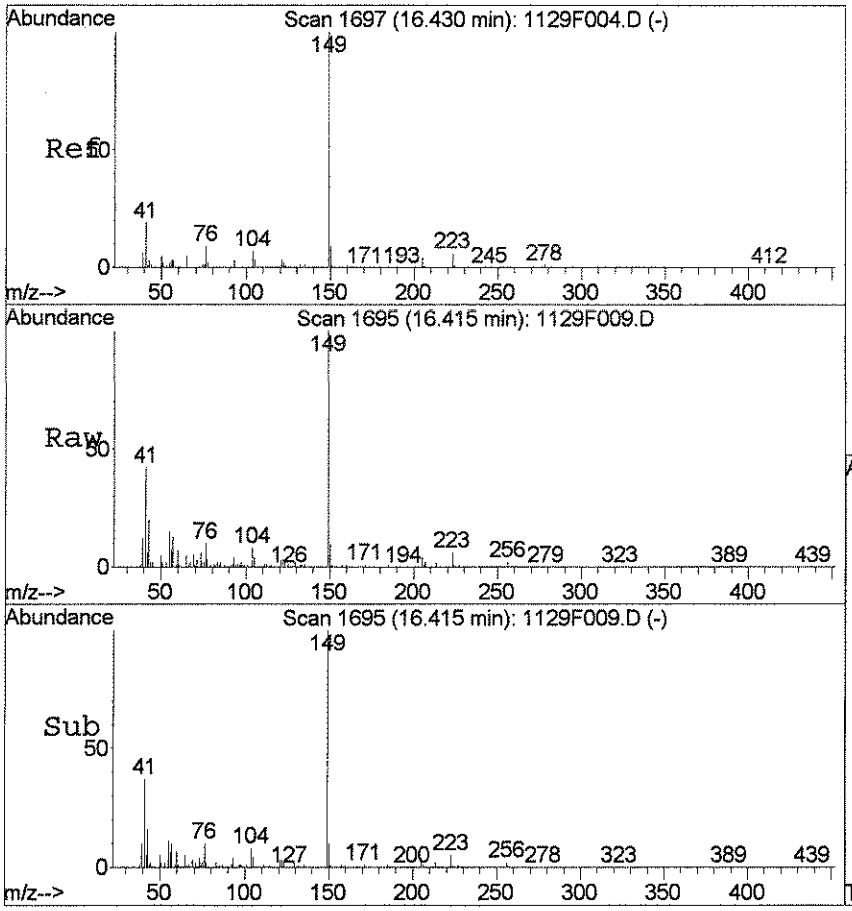


#67
Carbazole
Concen: 30.11 ng/ml
RT: 15.76 min Scan# 1598
Delta R.T. -0.02 min
Lab File: 1129F009.D
Acq: 29 Nov 2010 3:33 pm

Tgt Ion:167 Resp: 8381

Ion	Ratio	Lower	Upper
167	100		
139	1.9	0.0	44.6
169	0.6	0.0	30.9

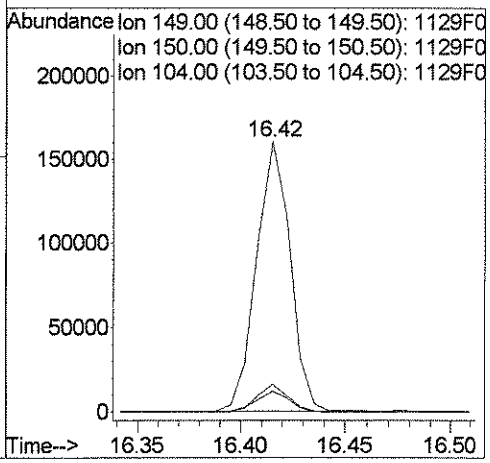




#68
Di-n-butyl Phthalate
Concen: 468.41 ng/ml
RT: 16.42 min Scan# 1695
Delta R.T. -0.02 min
Lab File: 1129F009.D
Acq: 29 Nov 2010 3:33 pm

Tgt Ion:149 Resp: 182123

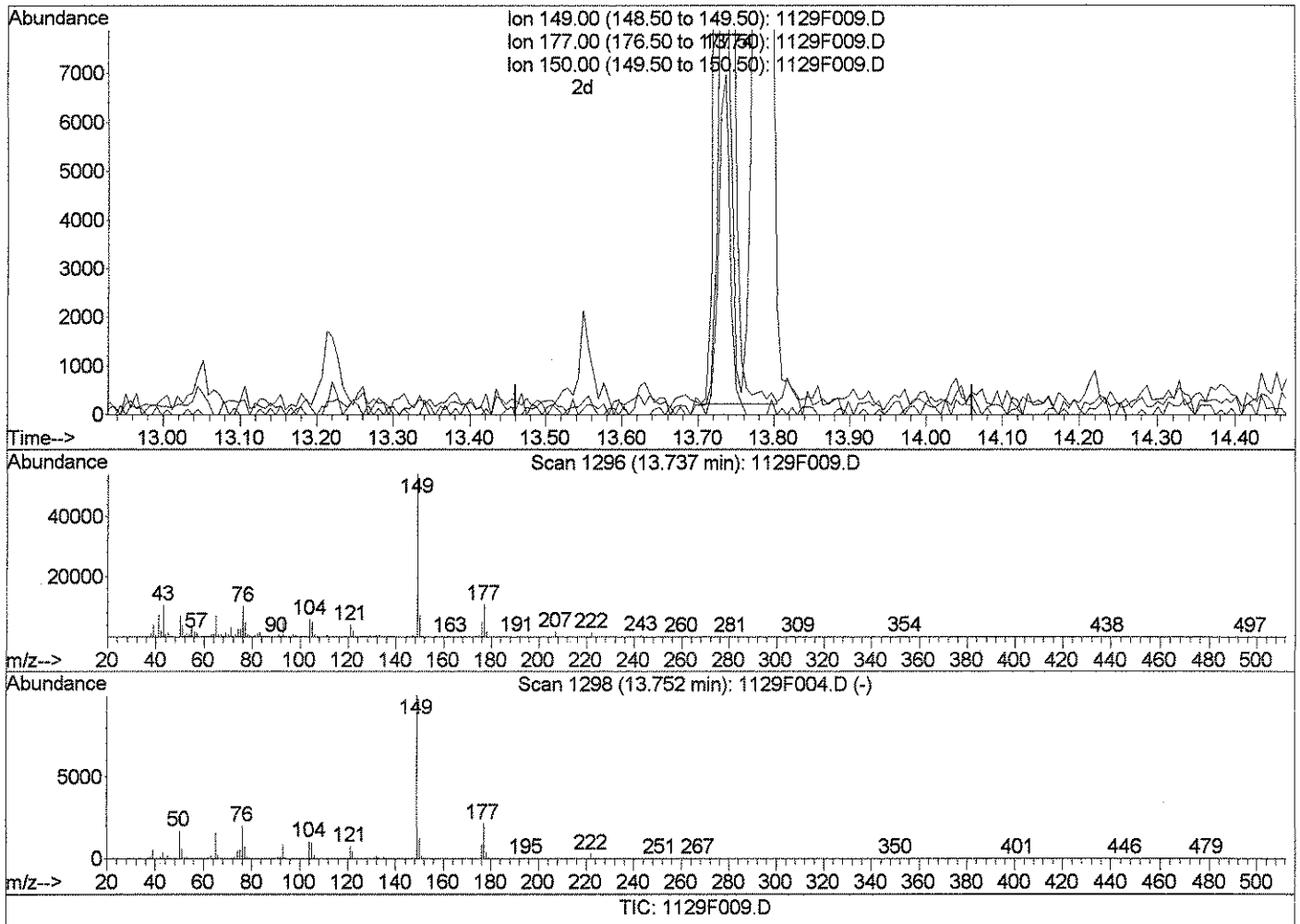
Ion	Ratio	Lower	Upper
149	100		
150	10.1	0.0	38.8
104	7.7	0.0	36.3



Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112910\1129F009.D Vial: 7
Acq On : 29 Nov 2010 3:33 pm Operator: KBailey
Sample : K1012914-029 Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:48 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Multiple Level Calibration



(55) Diethyl Phthalate (T)

13.74min 259.80ng/ml

response 59716

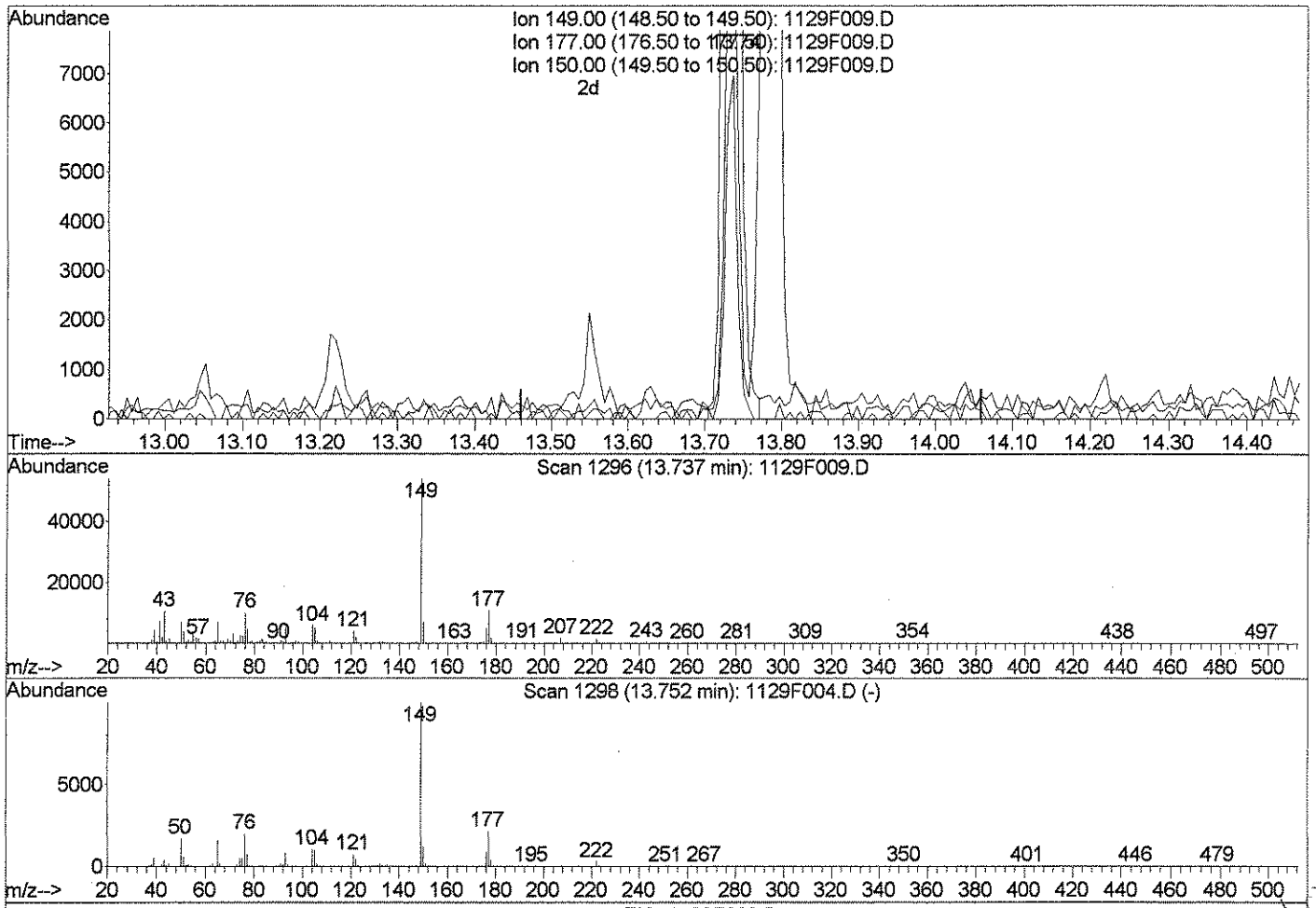
Ion	Exp%	Act%
149.00	100	100
177.00	21.70	19.61
150.00	11.70	12.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\112910\1129F009.D
Acq On : 29 Nov 2010 3:33 pm
Sample : K1012914-029
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:48 2010

Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Multiple Level Calibration



(55) Diethyl Phthalate (T)

13.74min 262.05ng/ml m

response 60232

Ion	Exp%	Act%
149.00	100	100
177.00	21.70	19.89
150.00	11.70	12.88
0.00	0.00	0.00

11/30/10

BL

LB 11/30/10

1129F009.D 111510_BNLL.M Tue Nov 30 08:48:23 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW0002	**Units:**	ug/WIPE
Lab Code:	K1012914-030	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodimethylamine	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Phenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroisopropyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachloroethane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodi-n-propylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Nitrobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Isophorone	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2-Nitrophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2,4-Dimethylphenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethoxy)methane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Naphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobutadiene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chloro-3-methylphenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Hexachlorocyclopentadiene	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
2,4,6-Trichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chloronaphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dimethyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,6-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrophenol	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
4-Nitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Fluorene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chlorophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Diethyl Phthalate	**0.30**		0.20	1	11/22/10	11/29/10	KWG1012791	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodiphenylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Azobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Collected: 11/16/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW0002
Lab Code: K1012914-030

Units: ug/WIPE
Basis: Wet

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pentachlorophenol	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Phenanthrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Di-n-butyl Phthalate	**1.7**		0.20	1	11/22/10	11/29/10	KWG1012791	
Fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Butyl Benzyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
3,3'-Dichlorobenzidine	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Benz(a)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Chrysene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Bis(2-ethylhexyl) Phthalate	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Di-n-octyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(b)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(k)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(a)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Indeno(1,2,3-cd)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dibenz(a,h)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(g,h,i)perylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	24	11-80	11/29/10	Acceptable
Phenol-d6	5	20-86	11/29/10	Outside Control Limits
Nitrobenzene-d5	66	29-91	11/29/10	Acceptable
2-Fluorobiphenyl	63	25-97	11/29/10	Acceptable
2,4,6-Tribromophenol	8	10-119	11/29/10	Outside Control Limits
Terphenyl-d14	82	33-129	11/29/10	Acceptable

Comments:

Exception Report

Data File: J:\MS06\DATA\112910\1129F010.D
Lab ID: K1012914-030
RunType: SMPL
Matrix: WIPE

Date Acquired: 11/29/2010 16:10
Date Quantitated: 11/30/2010 08:55
Batch ID: KWG1013042
Analysis Method: 8270C
ListJoinID: LJ12126

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	2,4,6-Tribromophenol	8	10	119	
	Phenol-d6	5	20	86	

Narrate-
no sample remaining

Primary Review: LB 11/30/10

Secondary Review: 11/30/10

Quantitation Report

Bottle ID:	04	**Tier:**	V	**Matrix:**	WIPE
Prod Code:	8270C SVO_LL	**Collect Date:**	11/16/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1013042	**Prep Lot:**	KWG1012791	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	980568	**Prep Date:**	11/22/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12126
Tune Ref:	J:\MS06\DATA\112910\1129F003.D	**Method ID:**	MJ340
MB Ref:	J:\MS06\DATA\112910\1129F006.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112910\1129F010.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 16:10	**Quant Date:**	11/30/2010 08:55	**Vial:**	8
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-030			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.25	0.00?	152	88253	1,000.00	OK
2	Naphthalene-d8	10.13	-0.01?	136	260459	1,000.00	OK
3	Acenaphthene-d10	12.94	-0.01?	164	143163	1,000.00	OK
4	Phenanthrene-d10	15.35	-0.01?	188	314497	1,000.00	OK
5	Chrysene-d12	19.70	-0.01?	240	380496	1,000.00	OK
6	Perylene-d12	23.13	-0.02?	264	353080	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	2-Fluorophenol	6.60	0.00	0.00	112	66933	766.93	24	11-80	OK	
1	Phenol-d6	7.80	0.00	0.00	99	16938	165.37	5	20-86	*	
1	Nitrobenzene-d5	9.06	-0.01	0.00	82	191208	1,645	66	29-91	OK	
3	2-Fluorobiphenyl	11.88	-0.01	0.00	172	371413	1,578	63	25-97	OK	
4	2,4,6-Tribromophenol	14.23	-0.01	0.00	330	15561	283.32	8	10-119	*	
5	Terphenyl-d14	18.00	-0.01	0.00	244	612586	2,041	82	33-129	OK	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		1.0	U	
1	Bis(2-chloroethyl) Ether				93	0		0.20	U	
1	Phenol				94	0d		0.50	U	
1	2-Chlorophenol				128	0		0.50	U	
1	Bis(2-chloroisopropyl) Ether				45	0d		0.20	U	
1	Hexachloroethane				117	0		0.20	U	
1	N-Nitrosodi-n-propylamine				70	0d		0.20	U	
1	Nitrobenzene				77	0d		0.20	U	
2	Isophorone	9.46		0.00	82	5016	27.58	0.20	U	
2	2-Nitrophenol				139	0		0.50	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F010.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 16:10	**Quant Date:**	11/30/2010 08:55	**Vial:**	8
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-030			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0		2.0	U	
2	Bis(2-chloroethoxy)methane				93	0		0.20	U	
2	2,4-Dichlorophenol				162	0		0.50	U	
2	Naphthalene				128	0		0.20	U	
2	Hexachlorobutadiene				225	0		0.20	U	
2	4-Chloro-3-methylphenol				107	0d		0.50	U	
3	Hexachlorocyclopentadiene				237	0		1.0	U	
3	2,4,6-Trichlorophenol				196	0		0.50	U	
3	2-Chloronaphthalene				127	0d		0.20	U	
3	Acenaphthylene				152	0		0.20	U	
3	Dimethyl Phthalate	12.58	-0.02	0.00	163	7744	34.82	0.20	U	
3	2,6-Dinitrotoluene				165	0d		0.20	U	
3	Acenaphthene				154	0d		0.20	U	
3	2,4-Dinitrophenol				184	0		4.0	U	
3	4-Nitrophenol				109	0d		2.0	U	
3	2,4-Dinitrotoluene				165	0		0.20	U	
3	Fluorene				166	0d		0.20	U	
3	4-Chlorophenyl Phenyl Ether				204	0		0.20	U	
3	Diethyl Phthalate	13.73	-0.02	0.00	149	35086m	148.75	0.30		
3	2-Methyl-4,6-dinitrophenol				198	0		2.0	U	
3	N-Nitrosodiphenylamine				169	0d		0.20	U	
3	Azobenzene				77	0d		0.20	U	
4	4-Bromophenyl Phenyl Ether				248	0		0.20	U	
4	Hexachlorobenzene				284	0		0.20	U	
4	Pentachlorophenol				266	0		1.0	U	
4	Phenanthrene				178	0d		0.20	U	
4	Anthracene				178	0d		0.20	U	
4	Di-n-butyl Phthalate	16.42	-0.01	0.00	149	334288	835.87	1.7		
4	Fluoranthene				202	0d		0.20	U	
5	Benzidine				184	0		4.0	U	
5	Pyrene				202	0d		0.20	U	
5	Butyl Benzyl Phthalate	18.85		0.00	149	3989m	22.27	0.20	U	
5	3,3'-Dichlorobenzidine				252	0		0.50	U	
5	Benz(a)anthracene				228	0d		0.20	U	
5	Chrysene				228	0d		0.20	U	
5	Bis(2-ethylhexyl) Phthalate	19.91		0.00	149	53591	225.60	2.0	U	
6	Di-n-octyl Phthalate				149	0d		0.20	U	
6	Benzo(b)fluoranthene				252	0d		0.20	U	
6	Benzo(k)fluoranthene				252	0		0.20	U	
6	Benzo(a)pyrene				252	0d		0.20	U	
6	Indeno(1,2,3-cd)pyrene				276	0		0.20	U	
6	Dibenz(a,h)anthracene				278	0		0.20	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F010.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 16:10	**Quant Date:**	11/30/2010 08:55	**Vial:**	8
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-030			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene				276	0		0.20	U	

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F010.D Vial: 8
Acq On : 29 Nov 2010 4:10 pm Operator: KBailey
Sample : K1012914-030 Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:38:30 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	88253	1000.00 ng/ml	-0.02
22) Naphthalene-d8	10.13	136	260459	1000.00 ng/ml	-0.02
36) Acenaphthene-d10	12.94	164	143163	1000.00 ng/ml	-0.01
60) Phenanthrene-d10	15.35	188	314497	1000.00 ng/ml	-0.01
70) Chrysene-d12	19.70	240	380496	1000.00 ng/ml	-0.02
79) Perylene-d12	23.13	264	353080	1000.00 ng/ml	-0.01

System Monitoring Compounds					
4) 2-Fluorophenol	6.60	112	66933	766.93 ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 20.45%#		
6) Phenol-d6	7.80	99	16938	165.37 ng/ml	-0.01
Spiked Amount 3750.000	Range 43 - 128		Recovery = 4.41%#		
20) Nitrobenzene-d5	9.06	82	191208	1644.99 ng/ml	-0.02
Spiked Amount 2500.000	Range 30 - 139		Recovery = 65.80%		
40) 2-Fluorobiphenyl	11.88	172	371413	1578.00 ng/ml	-0.02
Spiked Amount 2500.000	Range 37 - 126		Recovery = 63.12%		
61) 2,4,6-Tribromophenol	14.23	330	15561	283.32 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 7.56%#		
73) Terphenyl-d14	18.00	244	612586	2040.52 ng/ml	-0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 81.62%		

Target Compounds					Qvalue
13) Benzyl Alcohol	8.48	108	5493m	105.27 ng/ml	
16) Acetophenone	8.86	105	2338m	18.93 ng/ml	
23) Isophorone	9.46	82	5016	27.58 ng/ml	87
44) Dimethyl Phthalate	12.58	163	7744	34.82 ng/ml	89
55) Diethyl Phthalate	13.73	149	35086m	148.75 ng/ml	
67) Carbazole	15.76	167	13865	48.42 ng/ml	68
68) Di-n-butyl Phthalate	16.42	149	334288	835.87 ng/ml	99
74) Butyl Benzyl Phthalate	18.85	149	3989m	22.27 ng/ml	
78) Bis(2-ethylhexyl) Phthalat	19.91	149	53591	225.60 ng/ml	98

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

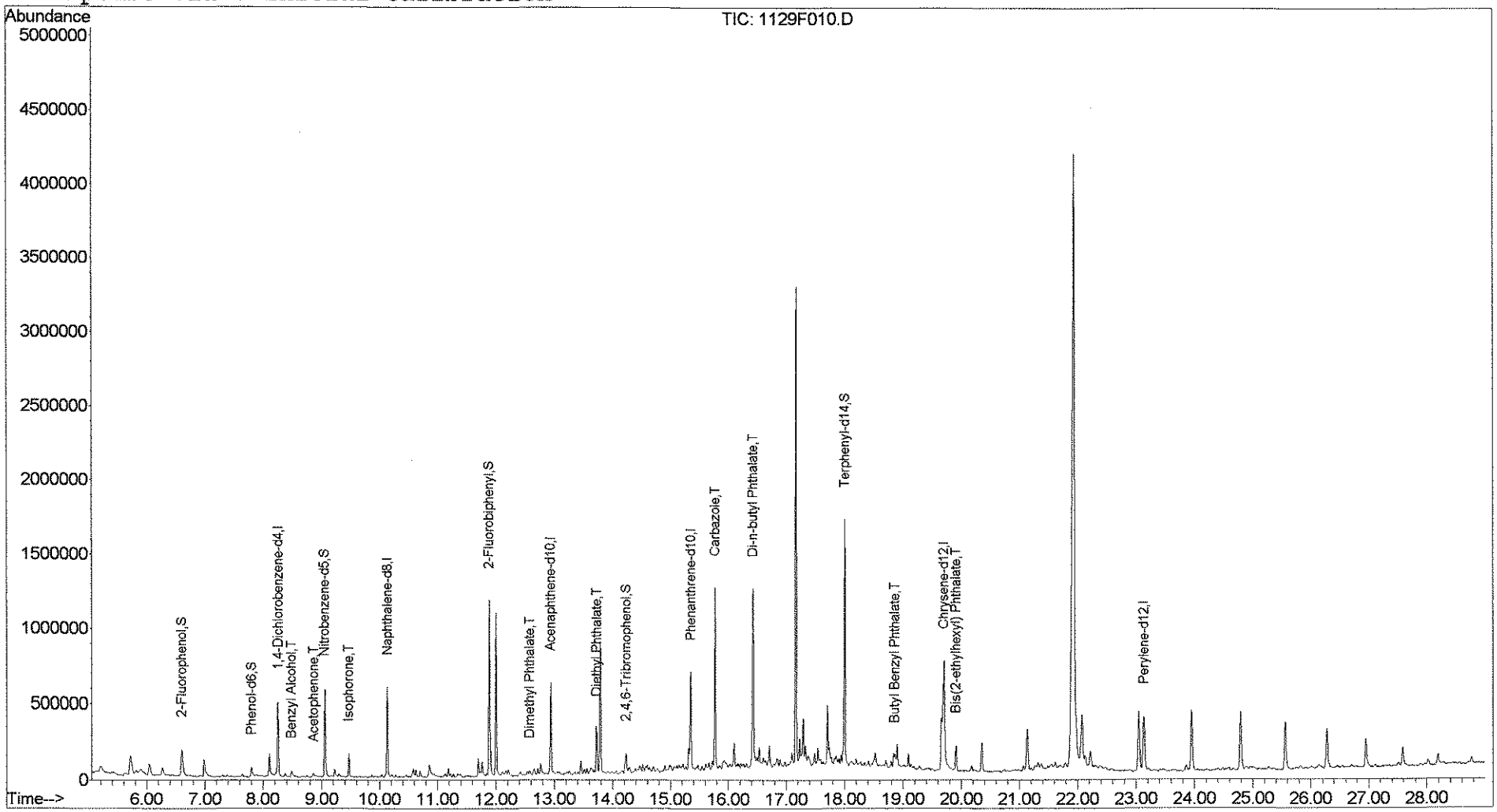
Quantitation Report (QT Reviewed)

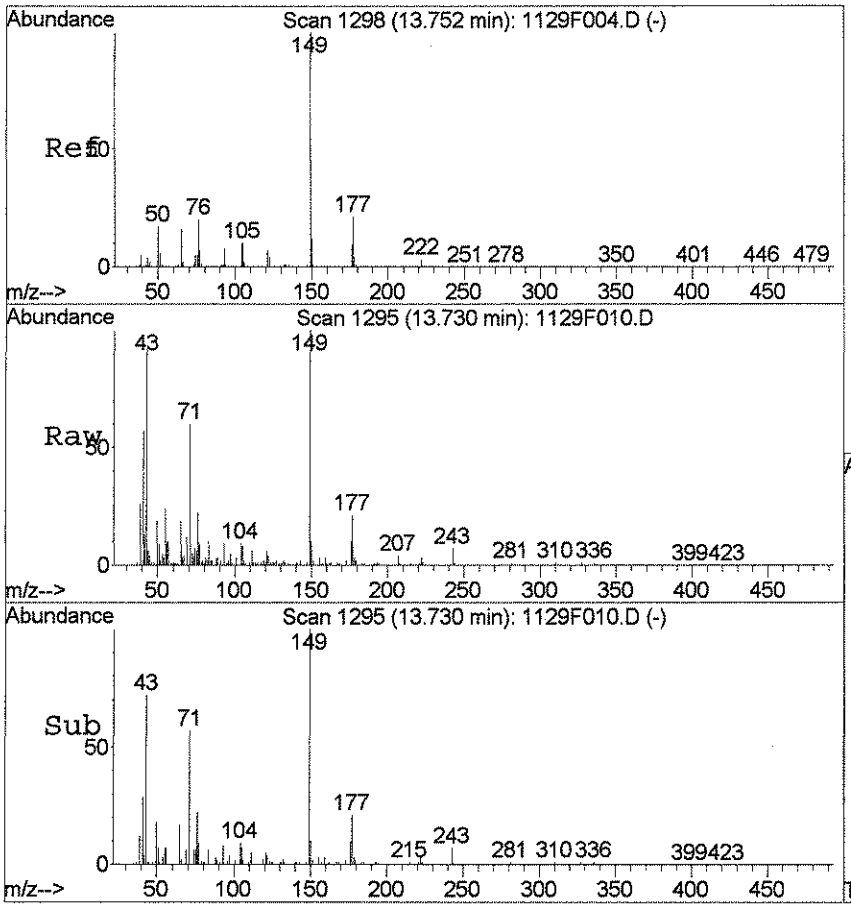
Data File : J:\MS06\DATA\112910\1129F010.D
Acq On : 29 Nov 2010 4:10 pm
Sample : K1012914-030
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:55 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration

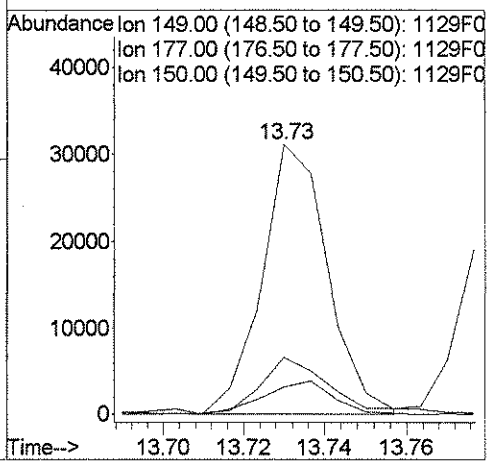


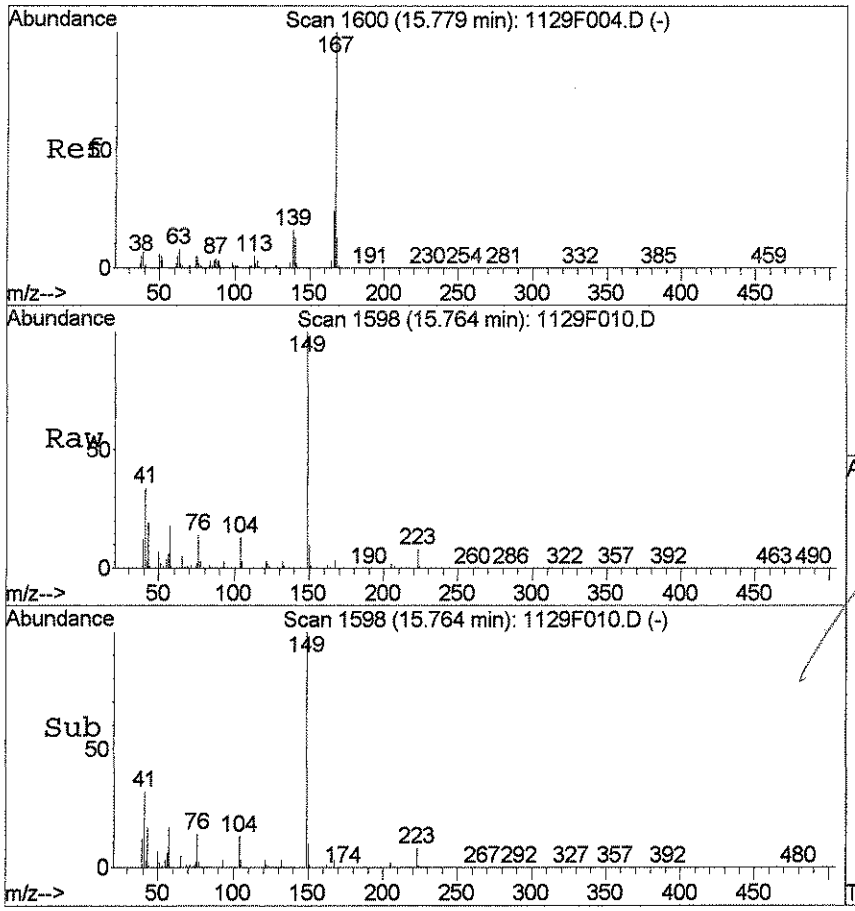


#55
Diethyl Phthalate
Concen: 148.75 ng/ml m
RT: 13.73 min Scan# 1295
Delta R.T. -0.03 min
Lab File: 1129F010.D
Acq: 29 Nov 2010 4:10 pm

Tgt Ion:149 Resp: 35086

Ion	Ratio	Lower	Upper
149	100		
177	21.1	0.0	51.7
150	10.1	0.0	41.7

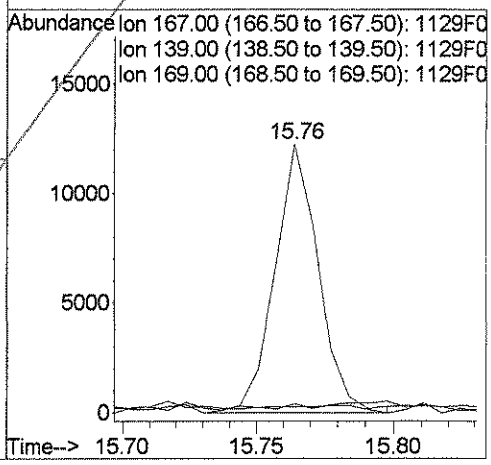


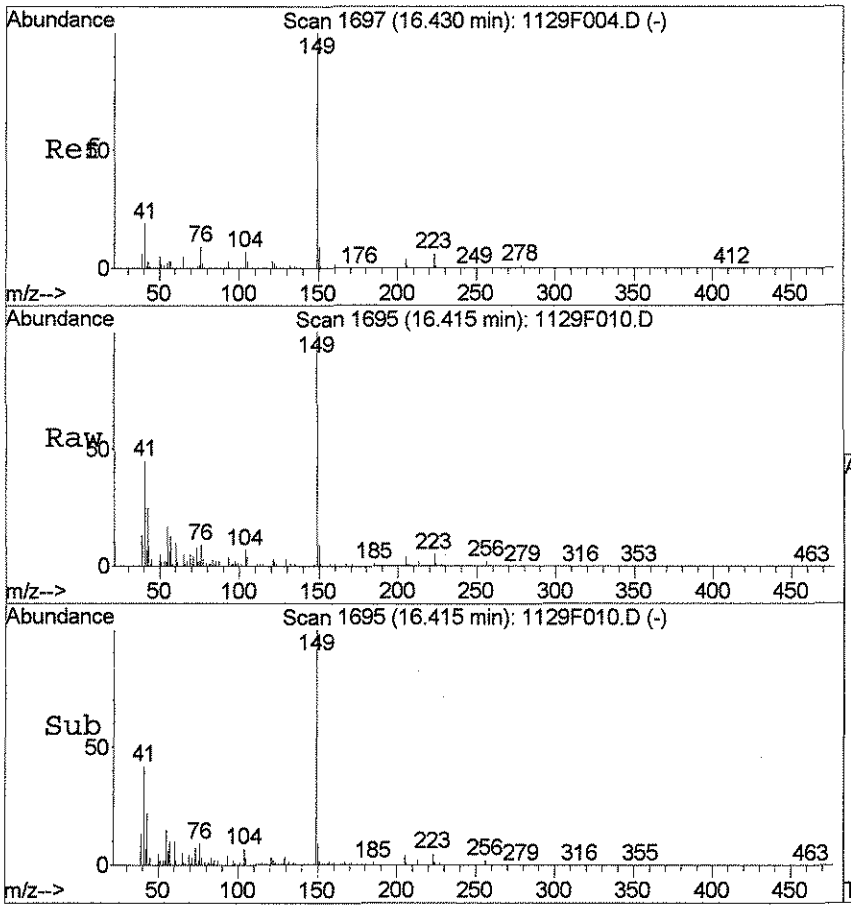


#67
Carbazole
Concen: 48.42 ng/ml
RT: 15.76 min Scan# 1598
Delta R.T. -0.02 min
Lab File: 1129F010.D
Acq: 29 Nov 2010 4:10 pm

Tgt Ion:167 Resp: 13865

Ion	Ratio	Lower	Upper
167	100		
139	0.9	0.0	44.6
169	2.2	0.0	30.9

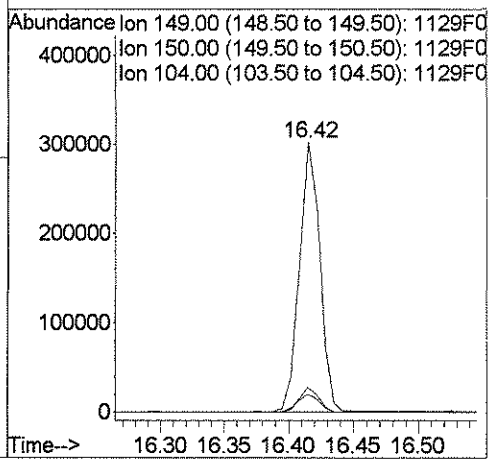


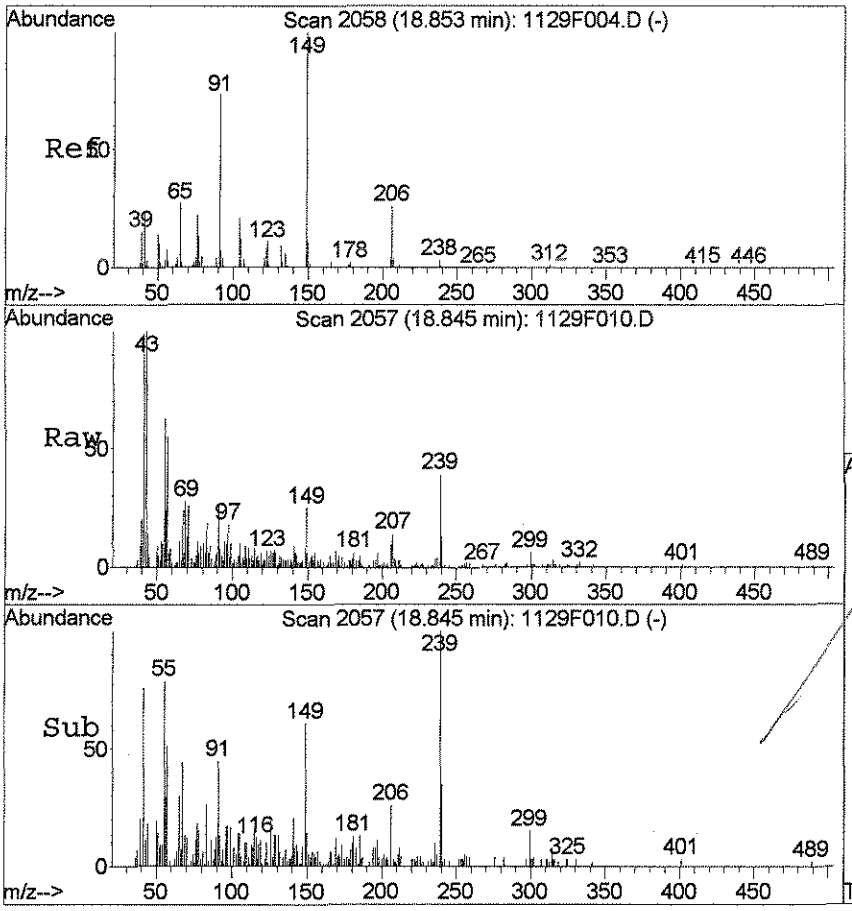


#68
Di-n-butyl Phthalate
Concen: 835.87 ng/ml
RT: 16.42 min Scan# 1695
Delta R.T. -0.02 min
Lab File: 1129F010.D
Acq: 29 Nov 2010 4:10 pm

Tgt Ion:149 Resp: 334288

Ion	Ratio	Lower	Upper
149	100		
150	9.2	0.0	38.8
104	6.7	0.0	36.3

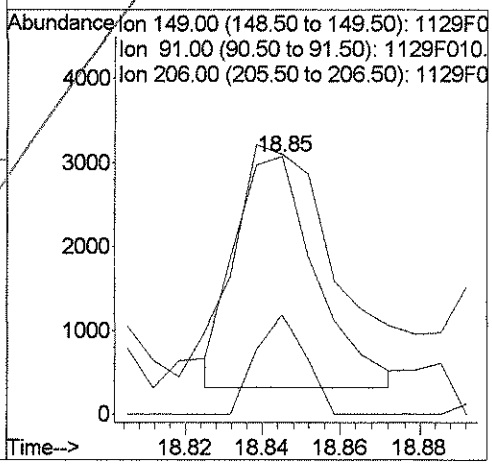




#74
Butyl Benzyl Phthalate
Concen: 22.27 ng/ml m
RT: 18.85 min Scan# 2057
Delta R.T. -0.02 min
Lab File: 1129F010.D
Acq: 29 Nov 2010 4:10 pm

Tgt Ion:149 Resp: 3989

Ion	Ratio	Lower	Upper
149	100		
91	100.8	38.1	98.1#
206	38.6	0.0	57.6

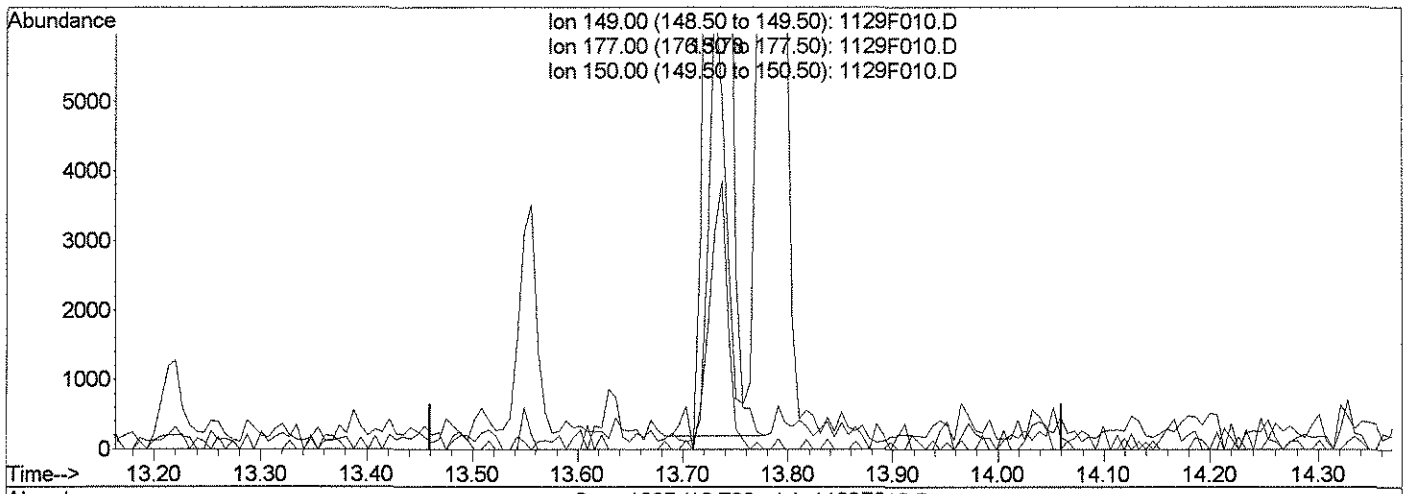


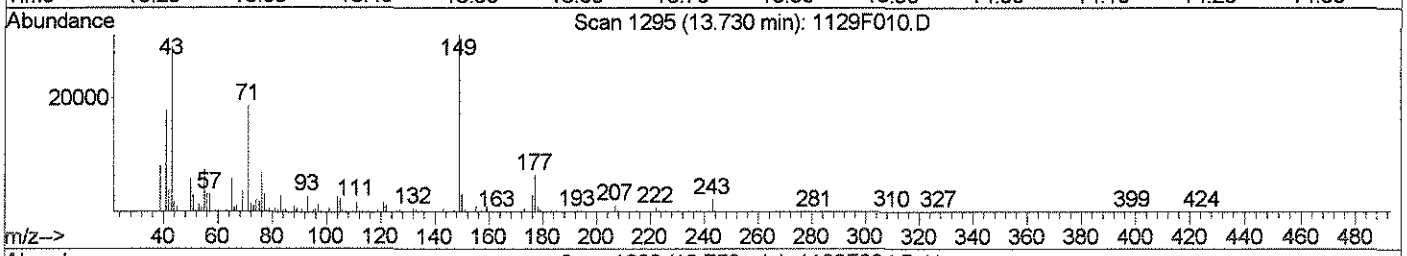
Quantitation Report (Qedit)

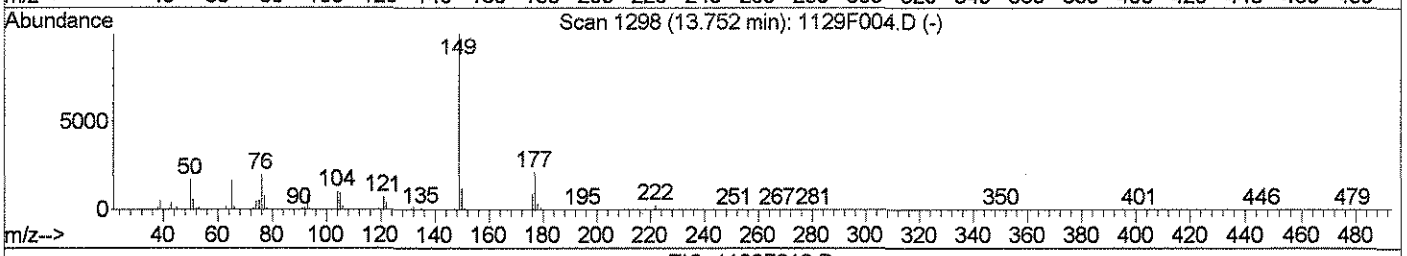
Data File : J:\MS06\DATA\112910\1129F010.D
Acq On : 29 Nov 2010 4:10 pm
Sample : K1012914-030
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:54 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Multiple Level Calibration







TIC: 1129F010.D

(55) Diethyl Phthalate (T)

13.73min 147.94ng/ml

response 34893

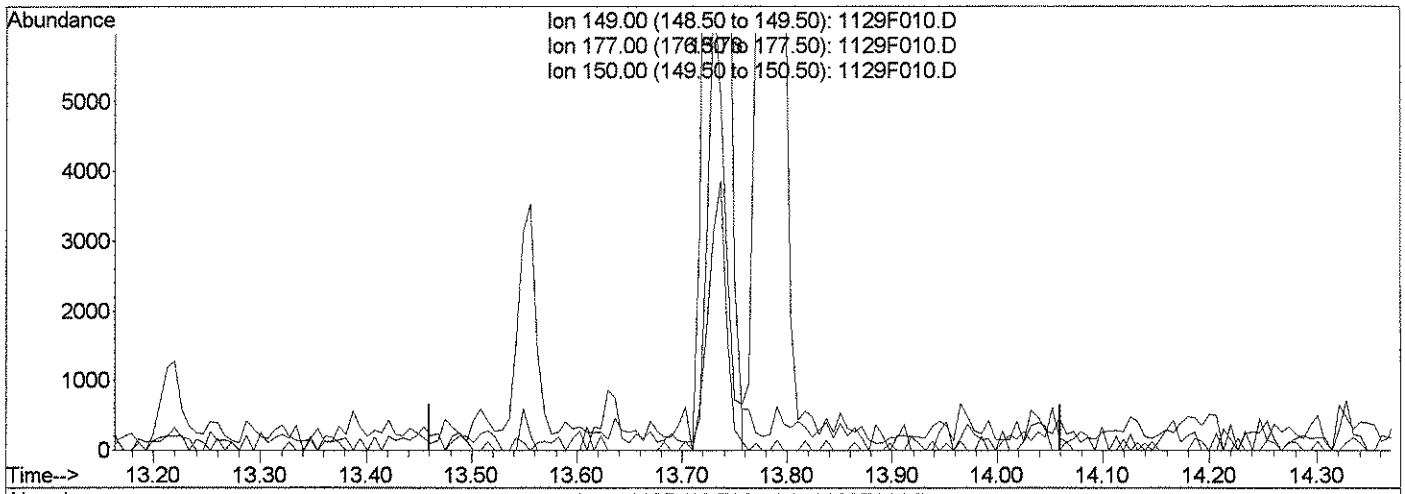
Ion	Exp%	Act%
149.00	100	100
177.00	21.70	20.79
150.00	11.70	10.15
0.00	0.00	0.00

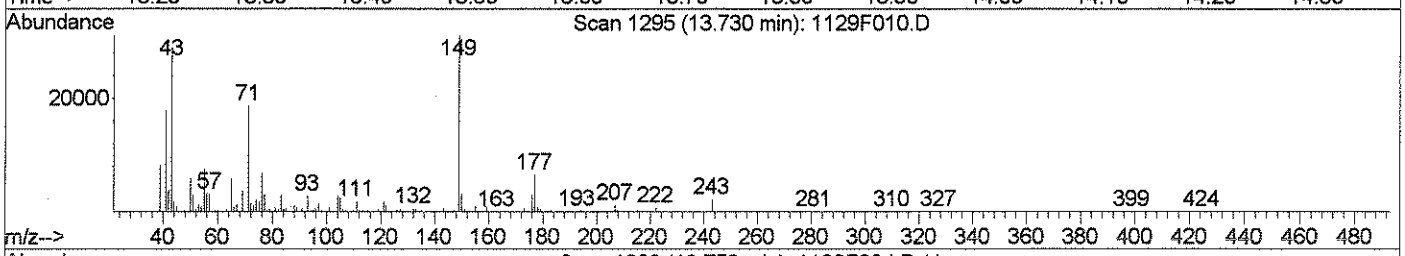
Quantitation Report (Qedit)

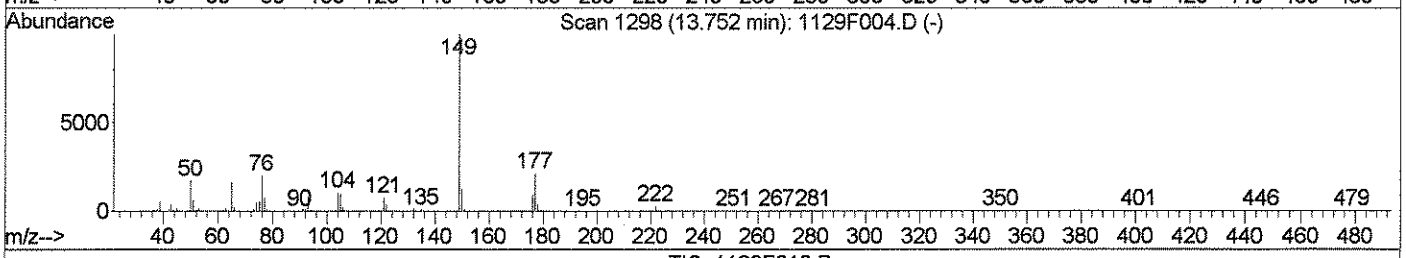
Data File : J:\MS06\DATA\112910\1129F010.D
Acq On : 29 Nov 2010 4:10 pm
Sample : K1012914-030
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:54 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Multiple Level Calibration







TIC: 1129F010.D

(55) Diethyl Phthalate (T)

13.73min 148.75ng/ml m

response 35086

Ion	Exp%	Act%
149.00	100	100
177.00	21.70	21.14
150.00	11.70	10.09
0.00	0.00	0.00

11/30/10 BL

LB 11/30/10

1129F010.D 111510_BNLL.M Tue Nov 30 08:54:56 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	FW0003	**Units:**	ug/WIPE
Lab Code:	K1012914-031	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodimethylamine	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Phenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroisopropyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachloroethane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodi-n-propylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Nitrobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Isophorone	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2-Nitrophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2,4-Dimethylphenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethoxy)methane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Naphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobutadiene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chloro-3-methylphenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Hexachlorocyclopentadiene	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
2,4,6-Trichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chloronaphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dimethyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,6-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrophenol	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
4-Nitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Fluorene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chlorophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Diethyl Phthalate	**0.75**		0.20	1	11/22/10	11/29/10	KWG1012791	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodiphenylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Azobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Collected: 11/16/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: FW0003
Lab Code: K1012914-031

Units: ug/WIPE
Basis: Wet

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pentachlorophenol	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Phenanthrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Di-n-butyl Phthalate	**0.23**		0.20	1	11/22/10	11/29/10	KWG1012791	
Fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Butyl Benzyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
3,3'-Dichlorobenzidine	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Benz(a)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Chrysene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Bis(2-ethylhexyl) Phthalate	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Di-n-octyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(b)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(k)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(a)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Indeno(1,2,3-cd)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dibenz(a,h)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(g,h,i)perylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	67	11-80	11/29/10	Acceptable
Phenol-d6	68	20-86	11/29/10	Acceptable
Nitrobenzene-d5	70	29-91	11/29/10	Acceptable
2-Fluorobiphenyl	71	25-97	11/29/10	Acceptable
2,4,6-Tribromophenol	79	10-119	11/29/10	Acceptable
Terphenyl-d14	91	33-129	11/29/10	Acceptable

Comments:

Exception Report

Data File: J:\MS06\DATA\112910\1129F011.D
Lab ID: K1012914-031
RunType: SMPL
Matrix: WIPE

Date Acquired: 11/29/2010 16:48
Date Quantitated: 11/30/2010 08:57
Batch ID: KWG1013042
Analysis Method: 8270C
ListJoinID: LJ12126

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Duplicate Lab Control Spike	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/30/10
Secondary Review: 11/30/10

Quantitation Report

Bottle ID:	02	**Tier:**	V	**Matrix:**	WIPE
Prod Code:	8270C SVO_LL	**Collect Date:**	11/16/2010	**Receive Date:**	11/17/2010

Analysis Lot:	KWG1013042	**Prep Lot:**	KWG1012791	**Report Group:**	K1012914
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	980566	**Prep Date:**	11/22/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:	Semi-Volatile Organic Compounds by GC/MS	**Report List ID:**	LJ12126
Tune Ref:	J:\MS06\DATA\112910\1129F003.D	**Method ID:**	MJ340
MB Ref:	J:\MS06\DATA\112910\1129F006.D	**Quant based on Report List**	

Data File:	J:\MS06\DATA\112910\1129F011.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 16:48	**Quant Date:**	11/30/2010 08:57	**Vial:**	9
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-031			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.25	0.00?	152	94720	1,000.00	OK
2	Naphthalene-d8	10.13	-0.01?	136	273854	1,000.00	OK
3	Acenaphthene-d10	12.94	-0.01?	164	152019	1,000.00	OK
4	Phenanthrene-d10	15.34	-0.02?	188	325163	1,000.00	OK
5	Chrysene-d12	19.70	-0.01?	240	384182	1,000.00	OK
6	Perylene-d12	23.13	-0.02?	264	355300	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.60	0.00	0.00	112	204156	2,180	67	11-80 OK	
1	Phenol-d6	7.80	0.00	0.00	99	241272	2,195	68	20-86 OK	
1	Nitrobenzene-d5	9.05	-0.02	0.00	82	218798	1,754	70	29-91 OK	
3	2-Fluorobiphenyl	11.89	0.00	0.00	172	442071	1,769	71	25-97 OK	
4	2,4,6-Tribromophenol	14.23	-0.01	0.00	330	168278	2,963	79	10-119 OK	
5	Terphenyl-d14	18.00	-0.01	0.00	244	692270	2,284	91	33-129 OK	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		1.0	U	
1	Bis(2-chloroethyl) Ether				93	0d		0.20	U	
1	Phenol	7.81	-0.01	0.00	94	4408m	36.39	0.50	U	
1	2-Chlorophenol				128	0		0.50	U	
1	Bis(2-chloroisopropyl) Ether				45	0d		0.20	U	
1	Hexachloroethane				117	0		0.20	U	
1	N-Nitrosodi-n-propylamine				70	0d		0.20	U	
1	Nitrobenzene				77	0d		0.20	U	
2	Isophorone				82	0d		0.20	U	
2	2-Nitrophenol				139	0		0.50	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F011.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 16:48	**Quant Date:**	11/30/2010 08:57	**Vial:**	9
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-031			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
2	2,4-Dimethylphenol				122	0		2.0	U	
2	Bis(2-chloroethoxy)methane				93	0d		0.20	U	
2	2,4-Dichlorophenol				162	0		0.50	U	
2	Naphthalene				128	0		0.20	U	
2	Hexachlorobutadiene				225	0		0.20	U	
2	4-Chloro-3-methylphenol				107	0d		0.50	U	
3	Hexachlorocyclopentadiene				237	0		1.0	U	
3	2,4,6-Trichlorophenol				196	0		0.50	U	
3	2-Chloronaphthalene				127	0d		0.20	U	
3	Acenaphthylene				152	0		0.20	U	
3	Dimethyl Phthalate	12.58	-0.02	0.00	163	6955	29.45	0.20	U	
3	2,6-Dinitrotoluene				165	0d		0.20	U	
3	Acenaphthene				154	0d		0.20	U	
3	2,4-Dinitrophenol				184	0		4.0	U	
3	4-Nitrophenol				109	0d		2.0	U	
3	2,4-Dinitrotoluene				165	0		0.20	U	
3	Fluorene				166	0d		0.20	U	
3	4-Chlorophenyl Phenyl Ether				204	0d		0.20	U	
3	Diethyl Phthalate	13.73	-0.02	0.00	149	93296	372.51	0.75		
3	2-Methyl-4,6-dinitrophenol				198	0		2.0	U	
3	N-Nitrosodiphenylamine				169	0d		0.20	U	
3	Azobenzene				77	0d		0.20	U	
4	4-Bromophenyl Phenyl Ether				248	0		0.20	U	
4	Hexachlorobenzene				284	0		0.20	U	
4	Pentachlorophenol				266	0		1.0	U	
4	Phenanthrene				178	0d		0.20	U	
4	Anthracene				178	0d		0.20	U	
4	Di-n-butyl Phthalate	16.42	-0.01	0.00	149	48444	117.16	0.23		
4	Fluoranthene	17.32	-0.01	0.00	202	860	2.12	0.20	U	
5	Benzidine				184	0		4.0	U	
5	Pyrene				202	0d		0.20	U	
5	Butyl Benzyl Phthalate	18.84	-0.01	0.00	149	2465m	13.63	0.20	U	
5	3,3'-Dichlorobenzidine				252	0d		0.50	U	
5	Benz(a)anthracene				228	0d		0.20	U	
5	Chrysene				228	0d		0.20	U	
5	Bis(2-ethylhexyl) Phthalate	19.90	-0.01	0.00	149	9055	37.75	2.0	U	
6	Di-n-octyl Phthalate				149	0d		0.20	U	
6	Benzo(b)fluoranthene				252	0d		0.20	U	
6	Benzo(k)fluoranthene				252	0d		0.20	U	
6	Benzo(a)pyrene				252	0d		0.20	U	
6	Indeno(1,2,3-cd)pyrene				276	0		0.20	U	
6	Dibenz(a,h)anthracene				278	0		0.20	U	

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E: Analyte concentration above high point of ICAL
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D: Result from dilution
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*: Result fails acceptance criteria
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?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F011.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 16:48	**Quant Date:**	11/30/2010 08:57	**Vial:**	9
Run Type:	SMPL			**Dilution:**	1.0
Lab ID:	K1012914-031			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
6	Benzo(g,h,i)perylene				276	0		0.20	U	

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F011.D Vial: 9
Acq On : 29 Nov 2010 4:48 pm Operator: KBailey
Sample : K1012914-031 Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:38:31 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	94720	1000.00	ng/ml	-0.02
22) Naphthalene-d8	10.13	136	273854	1000.00	ng/ml	-0.02
36) Acenaphthene-d10	12.94	164	152019	1000.00	ng/ml	0.00
60) Phenanthrene-d10	15.34	188	325163	1000.00	ng/ml	-0.02
70) Chrysene-d12	19.70	240	384182	1000.00	ng/ml	-0.02
79) Perylene-d12	23.13	264	355300	1000.00	ng/ml	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	6.60	112	204156	2179.53	ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 58.12%			
6) Phenol-d6	7.80	99	241272	2194.75	ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 58.53%			
20) Nitrobenzene-d5	9.05	82	218798	1753.83	ng/ml	-0.02
Spiked Amount 2500.000	Range 30 - 139		Recovery = 70.15%			
40) 2-Fluorobiphenyl	11.89	172	442071	1768.78	ng/ml	-0.02
Spiked Amount 2500.000	Range 37 - 126		Recovery = 70.75%			
61) 2,4,6-Tribromophenol	14.23	330	168278	2963.35	ng/ml	-0.01
Spiked Amount 3750.000	Range 38 - 157		Recovery = 79.02%			
73) Terphenyl-d14	18.00	244	692270	2283.82	ng/ml	-0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 91.35%			

Target Compounds						Qvalue
7) Phenol	7.81	94	4408m	36.39	ng/ml	
13) Benzyl Alcohol	8.48	108	6432m	114.85	ng/ml	
16) Acetophenone	8.86	105	6167	46.51	ng/ml	75
44) Dimethyl Phthalate	12.58	163	6955	29.45	ng/ml	96
55) Diethyl Phthalate	13.73	149	93296	372.51	ng/ml	99
67) Carbazole	15.77	167	6372	21.52	ng/ml	71
68) Di-n-butyl Phthalate	16.42	149	48444	117.16	ng/ml	97
69) Fluoranthene	17.32	202	860	2.12	ng/ml	60
74) Butyl Benzyl Phthalate	18.84	149	2465m	13.63	ng/ml	
78) Bis(2-ethylhexyl) Phthalat	19.90	149	9055	37.75	ng/ml	89

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

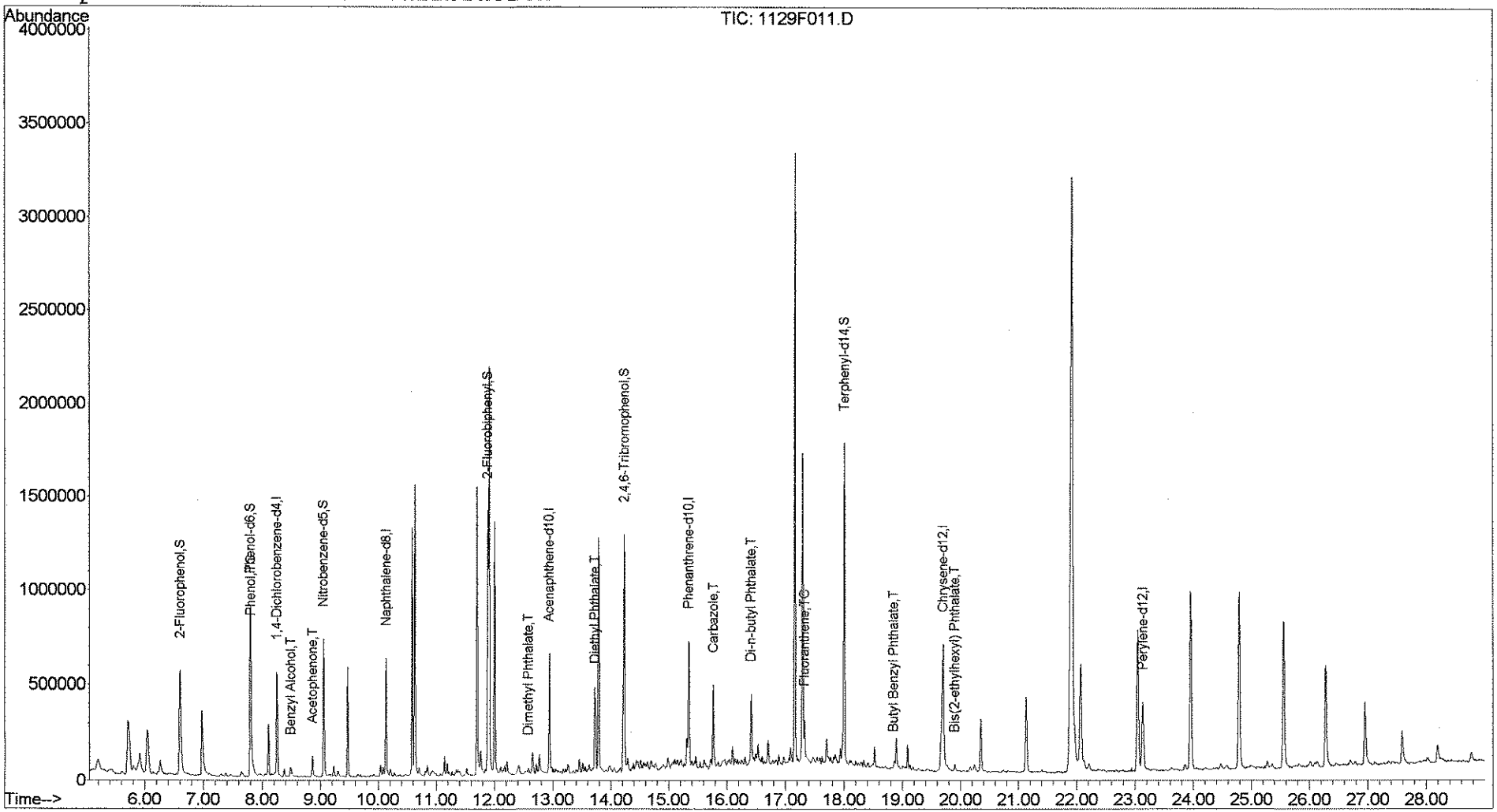
Quantitation Report (QT Reviewed)

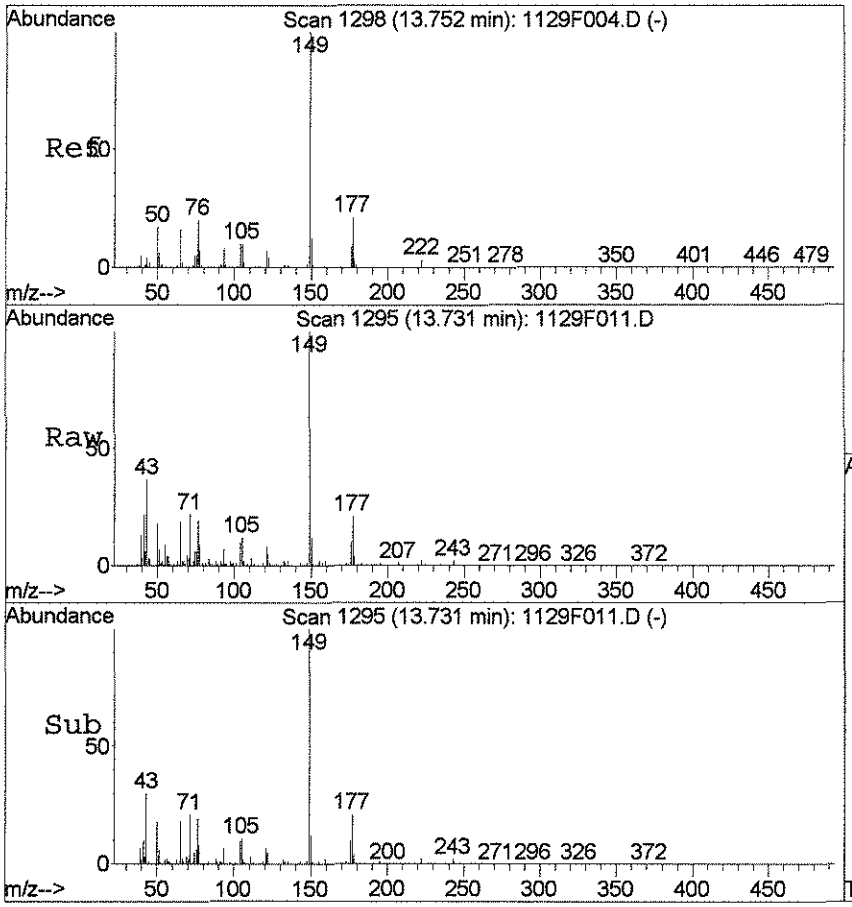
Data File : J:\MS06\DATA\112910\1129F011.D
Acq On : 29 Nov 2010 4:48 pm
Sample : K1012914-031
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:57 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration

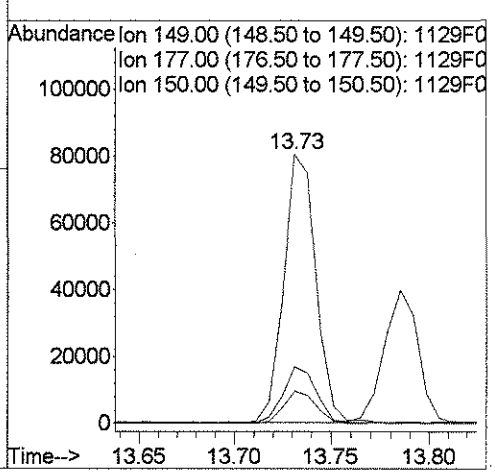


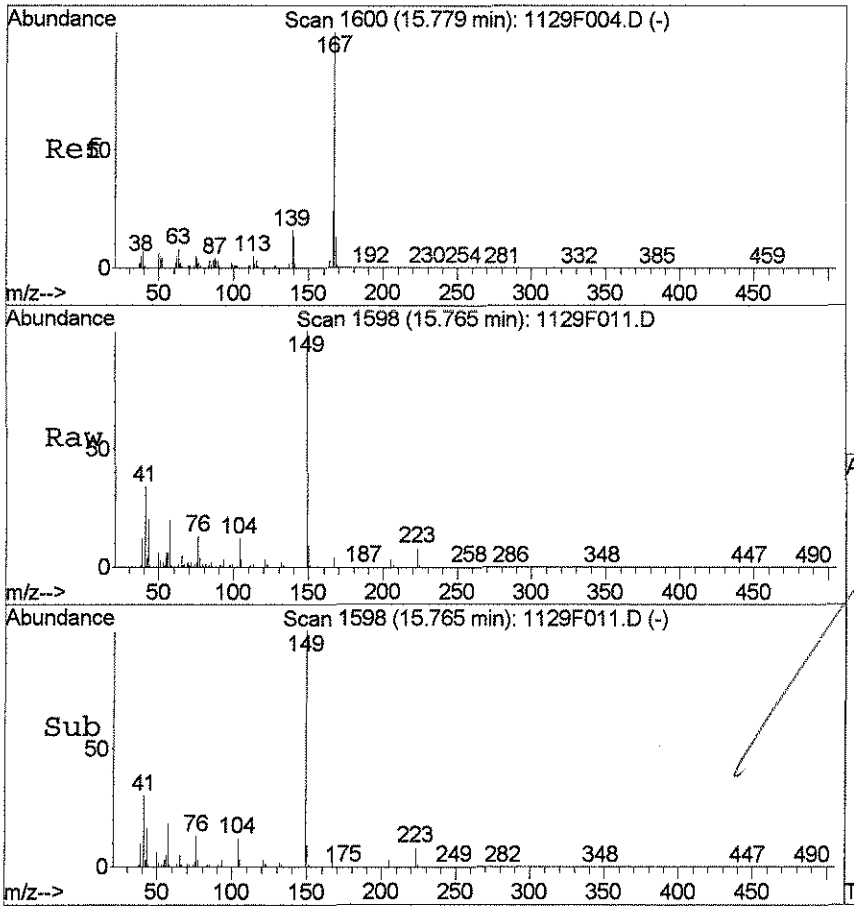


#55
Diethyl Phthalate
Concen: 372.51 ng/ml
RT: 13.73 min Scan# 1295
Delta R.T. -0.03 min
Lab File: 1129F011.D
Acq: 29 Nov 2010 4:48 pm

Tgt Ion:149 Resp: 93296

Ion	Ratio	Lower	Upper
149	100		
177	20.9	0.0	51.7
150	12.0	0.0	41.7

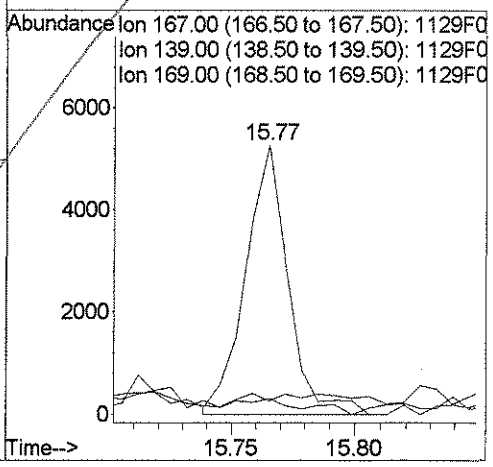


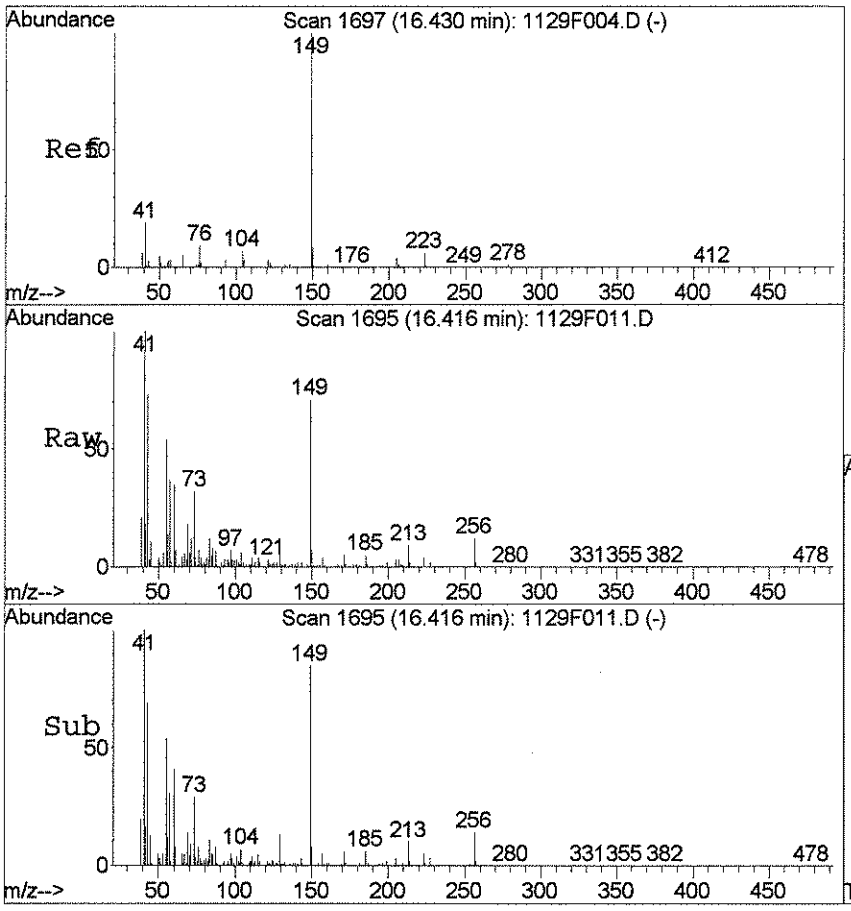


#67
Carbazole
Concen: 21.52 ng/ml
RT: 15.77 min Scan# 1598
Delta R.T. -0.02 min
Lab File: 1129F011.D
Acq: 29 Nov 2010 4:48 pm

Tgt Ion:167 Resp: 6372

Ion	Ratio	Lower	Upper
167	100		
139	1.8	0.0	44.6
169	2.3	0.0	30.9

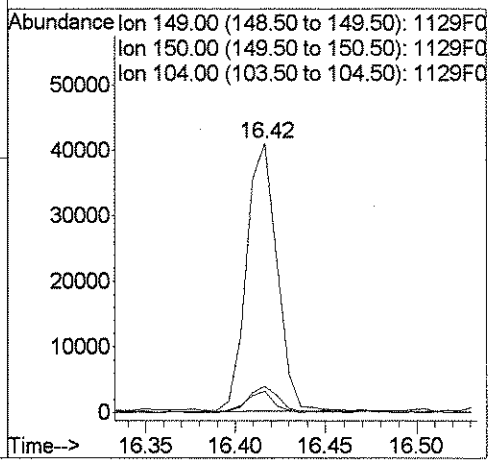


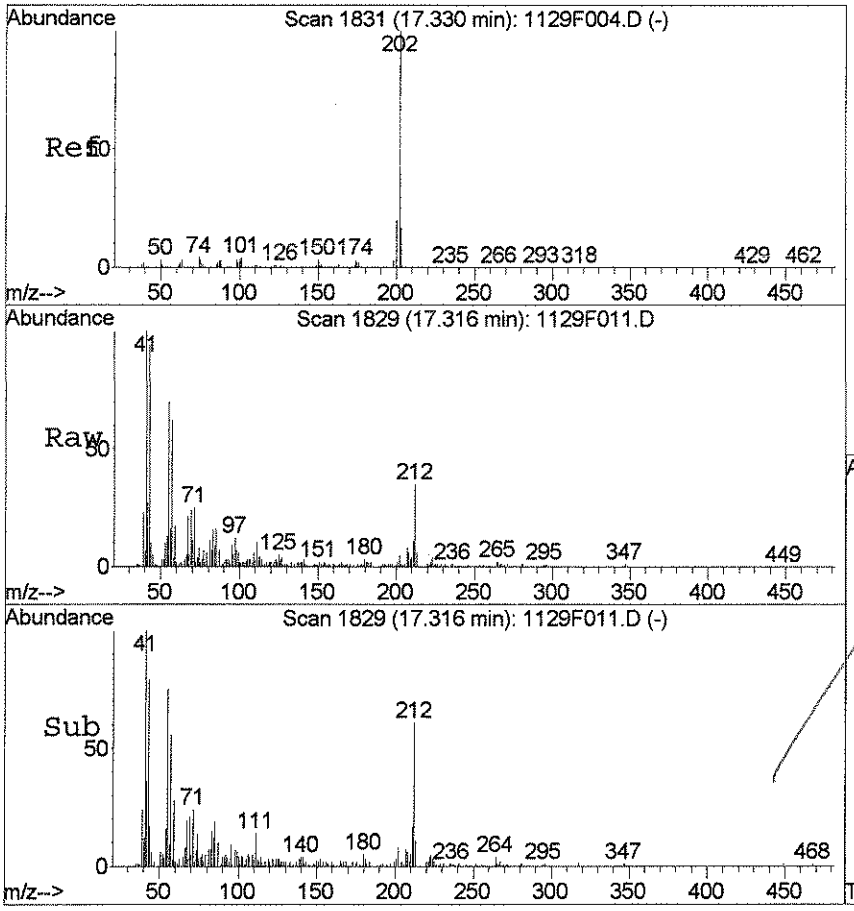


#68
Di-n-butyl Phthalate
Concen: 117.16 ng/ml
RT: 16.42 min Scan# 1695
Delta R.T. -0.02 min
Lab File: 1129F011.D
Acq: 29 Nov 2010 4:48 pm

Tgt Ion:149 Resp: 48444

Ion	Ratio	Lower	Upper
149	100		
150	9.5	0.0	38.8
104	7.9	0.0	36.3

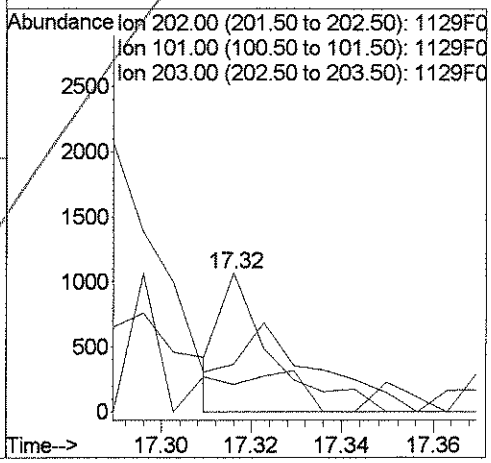




#69
Fluoranthene
Concen: 2.12 ng/ml LMDL
RT: 17.32 min Scan# 1829
Delta R.T. -0.02 min
Lab File: 1129F011.D
Acq: 29 Nov 2010 4:48 pm

Tgt Ion:202 Resp: 860

Ion	Ratio	Lower	Upper
202	100		
101	20.5	0.0	36.1
203	0.0	0.0	47.2



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/WIPE
Lab Code:	KWG1012791-3	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodimethylamine	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Phenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroisopropyl) Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachloroethane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodi-n-propylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Nitrobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Isophorone	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2-Nitrophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2,4-Dimethylphenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethoxy)methane	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Naphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobutadiene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chloro-3-methylphenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Hexachlorocyclopentadiene	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
2,4,6-Trichlorophenol	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chloronaphthalene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dimethyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,6-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrophenol	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
4-Nitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrotoluene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Fluorene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chlorophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Diethyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
2-Methyl-4,6-dinitrophenol	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodiphenylamine	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Azobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/WIPE
Lab Code:	KWG1012791-3	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobenzene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pentachlorophenol	ND	U	1.0	1	11/22/10	11/29/10	KWG1012791	
Phenanthrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Di-n-butyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Butyl Benzyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
3,3'-Dichlorobenzidine	ND	U	0.50	1	11/22/10	11/29/10	KWG1012791	
Benz(a)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Chrysene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Bis(2-ethylhexyl) Phthalate	ND	U	2.0	1	11/22/10	11/29/10	KWG1012791	
Di-n-octyl Phthalate	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(b)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(k)fluoranthene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(a)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Indeno(1,2,3-cd)pyrene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Dibenz(a,h)anthracene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(g,h,i)perylene	ND	U	0.20	1	11/22/10	11/29/10	KWG1012791	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	65	11-80	11/29/10	Acceptable
Phenol-d6	70	20-86	11/29/10	Acceptable
Nitrobenzene-d5	84	29-91	11/29/10	Acceptable
2-Fluorobiphenyl	60	25-97	11/29/10	Acceptable
2,4,6-Tribromophenol	74	10-119	11/29/10	Acceptable
Terphenyl-d14	119	33-129	11/29/10	Acceptable

Comments:

Exception Report

Data File: J:\MS06\DATA\112910\1129F006.D
Lab ID: KWG1012791-3
RunType: MB
Matrix: WIPE

Date Acquired: 11/29/2010 13:08
Date Quantitated: 11/30/2010 08:44
Batch ID: KWG1013042
Analysis Method: 8270C
MethodJoinID: MJ340

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

K12914

Primary Review: LB 11/30/10

Secondary Review: 11/30/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WIPE
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/23/2010

Analysis Lot:	KWG1013042	**Prep Lot:**	KWG1012791	**Report Group:**	
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	980571	**Prep Date:**	11/22/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:			
Tune Ref:	J:\MS06\DATA\112910\1129F003.D	**Method ID:**	MJ340
MB Ref:		**Quant based on Method**	

Data File:	J:\MS06\DATA\112910\1129F006.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 13:08	**Quant Date:**	11/30/2010 08:44	**Vial:**	4
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG1012791-3			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.28	0.03?	152	53803	1,000.00	OK
2	Naphthalene-d8	10.14	0.00?	136	202348	1,000.00	OK
3	Acenaphthene-d10	12.94	-0.01?	164	165912	1,000.00	OK
4	Phenanthrene-d10	15.35	-0.01?	188	362998	1,000.00	OK
5	Chrysene-d12	19.70	-0.01?	240	326933	1,000.00	OK
6	Perylene-d12	23.13	-0.02?	264	290411	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	2-Fluorophenol	6.67	0.07	0.01	112	112594	2,116	65	11-80	OK	
1	Phenol-d6	7.82	0.02	0.00	99	141211	2,261	70	20-86	OK	
1	Nitrobenzene-d5	9.06	-0.01	-0.01	82	148605	2,097	84	29-91	OK	
3	2-Fluorobiphenyl	11.89	0.00	0.00	172	406233	1,489	60	25-97	OK	
4	2,4,6-Tribromophenol	14.23	-0.01	0.00	330	175483	2,768	74	10-119	OK	
5	Terphenyl-d14	18.00	-0.01	0.00	244	769712	2,984	119	33-129	OK	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine				42	0d		1.0	U	
1	Bis(2-chloroethyl) Ether				93	0		0.20	U	
1	Phenol				94	0d		0.50	U	
1	2-Chlorophenol				128	0		0.50	U	
1	1,3-Dichlorobenzene				146	0		0.20	U	
1	1,4-Dichlorobenzene				146	0		0.20	U	
1	1,2-Dichlorobenzene				146	0		0.20	U	
1	Benzyl Alcohol				108	0		5.0	U	
1	Bis(2-chloroisopropyl) Ether				45	0d		0.20	U	
1	2-Methylphenol				107	0		0.50	U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F006.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 13:08	**Quant Date:**	11/30/2010 08:44	**Vial:**	4
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG1012791-3			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Hexachloroethane				117	0		0.20	U	
1	N-Nitrosodi-n-propylamine				70	0d		0.20	U	
1	4-Methylphenol				107	0		0.50	U	
1	Nitrobenzene				77	0d		0.20	U	
2	Isophorone				82	0d		0.20	U	
2	2-Nitrophenol				139	0		0.50	U	
2	2,4-Dimethylphenol				122	0		2.0	U	
2	Bis(2-chloroethoxy)methane				93	0		0.20	U	
2	2,4-Dichlorophenol				162	0		0.50	U	
2	Benzoic Acid				122	0		5.0	U	
2	1,2,4-Trichlorobenzene				180	0		0.20	U	
2	Naphthalene				128	0		0.20	U	
2	4-Chloroaniline				127	0		0.20	U	
2	Hexachlorobutadiene				225	0		0.20	U	
2	4-Chloro-3-methylphenol				107	0		0.50	U	
2	2-Methylnaphthalene				141	0		0.20	U	
3	Hexachlorocyclopentadiene				237	0		1.0	U	
3	2,4,6-Trichlorophenol				196	0		0.50	U	
3	2,4,5-Trichlorophenol				196	0		0.50	U	
3	2-Chloronaphthalene				127	0d		0.20	U	
3	2-Nitroaniline				65	0d		0.20	U	
3	Acenaphthylene				152	0		0.20	U	
3	Dimethyl Phthalate	12.59	-0.01	0.00	163	2318m	8.99	0.20	U	
3	2,6-Dinitrotoluene				165	0d		0.20	U	
3	Acenaphthene				154	0d		0.20	U	
3	3-Nitroaniline				138	0		1.0	U	
3	2,4-Dinitrophenol				184	0		4.0	U	
3	Dibenzofuran				168	0d		0.20	U	
3	4-Nitrophenol				109	0		2.0	U	
3	2,4-Dinitrotoluene				165	0		0.20	U	
3	Fluorene				166	0d		0.20	U	
3	4-Chlorophenyl Phenyl Ether				204	0d		0.20	U	
3	Diethyl Phthalate	13.74	-0.01	0.00	149	3816m	13.96	0.20	U	
3	4-Nitroaniline				138	0		1.0	U	
3	2-Methyl-4,6-dinitrophenol				198	0		2.0	U	
3	N-Nitrosodiphenylamine				169	0d		0.20	U	
3	Azobenzene				77	0d		0.20	U	
4	4-Bromophenyl Phenyl Ether				248	0		0.20	U	
4	Hexachlorobenzene				284	0		0.20	U	
4	Pentachlorophenol				266	0		1.0	U	
4	Phenanthrene				178	0d		0.20	U	
4	Anthracene				178	0d		0.20	U	

J: Undetected at or above MDL
I: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F006.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 13:08	**Quant Date:**	11/30/2010 08:44	**Vial:**	4
Run Type:	MB			**Dilution:**	1.0
Lab ID:	KWG1012791-3			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
4	Carbazole				167	0d		0.20	U	
4	Di-n-butyl Phthalate	16.42	-0.01	0.00	149	10375m	22.48	0.20	U	
4	Fluoranthene	17.32	-0.01	0.00	202	1280m	2.82	0.20	U	
5	Benzidine				184	0		4.0	U	
5	Pyrene	17.68	-0.01	0.00	202	1705	4.84	0.20	U	
5	Butyl Benzyl Phthalate				149	0d		0.20	U	
5	3,3'-Dichlorobenzidine				252	0		0.50	U	
5	Benz(a)anthracene				228	0d		0.20	U	
5	Chrysene				228	0d		0.20	U	
5	Bis(2-ethylhexyl) Phthalate	19.91		0.00	149	8426m	41.28	2.0	U	
6	Di-n-octyl Phthalate				149	0d		0.20	U	
6	Benzo(b)fluoranthene				252	0d		0.20	U	
6	Benzo(k)fluoranthene				252	0d		0.20	U	
6	Benzo(a)pyrene				252	0d		0.20	U	
6	Indeno(1,2,3-cd)pyrene				276	0		0.20	U	
6	Dibenz(a,h)anthracene				278	0		0.20	U	
6	Benzo(g,h,i)perylene				276	0		0.20	U	

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F006.D Vial: 4
Acq On : 29 Nov 2010 1:08 pm Operator: KBailey
Sample : KWG1012791-03 | MB Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:38:26 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	53803	1000.00 ng/ml	0.00
22) Naphthalene-d8	10.14	136	202348	1000.00 ng/ml	-0.01
36) Acenaphthene-d10	12.94	164	165912	1000.00 ng/ml	0.00
60) Phenanthrene-d10	15.35	188	362998	1000.00 ng/ml	0.00
70) Chrysene-d12	19.70	240	326933	1000.00 ng/ml	-0.02
79) Perylene-d12	23.13	264	290411	1000.00 ng/ml	-0.01

System Monitoring Compounds					
4) 2-Fluorophenol	6.67	112	112594	2116.18 ng/ml	0.03
Spiked Amount 3750.000	Range 38 - 110		Recovery = 56.43%		
6) Phenol-d6	7.82	99	141211	2261.42 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 60.30%		
20) Nitrobenzene-d5	9.06	82	148605	2097.07 ng/ml	-0.01
Spiked Amount 2500.000	Range 30 - 139		Recovery = 83.88%		
40) 2-Fluorobiphenyl	11.89	172	406233	1489.28 ng/ml	-0.01
Spiked Amount 2500.000	Range 37 - 126		Recovery = 59.57%		
61) 2,4,6-Tribromophenol	14.23	330	175483	2768.13 ng/ml	-0.01
Spiked Amount 3750.000	Range 38 - 157		Recovery = 73.82%		
73) Terphenyl-d14	18.00	244	769712	2983.96 ng/ml	-0.01
Spiked Amount 2500.000	Range 54 - 158		Recovery = 119.36%		

Target Compounds					Qvalue
44) Dimethyl Phthalate	12.59	163	2318m	8.99 ng/ml	
55) Diethyl Phthalate	13.74	149	3816m	13.96 ng/ml	
68) Di-n-butyl Phthalate	16.42	149	10375m	22.48 ng/ml	
69) Fluoranthene	17.32	202	1280m	2.82 ng/ml	
72) Pyrene	17.68	202	1705	4.84 ng/ml	87
78) Bis(2-ethylhexyl) Phthalat	19.91	149	8426m	41.28 ng/ml	

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

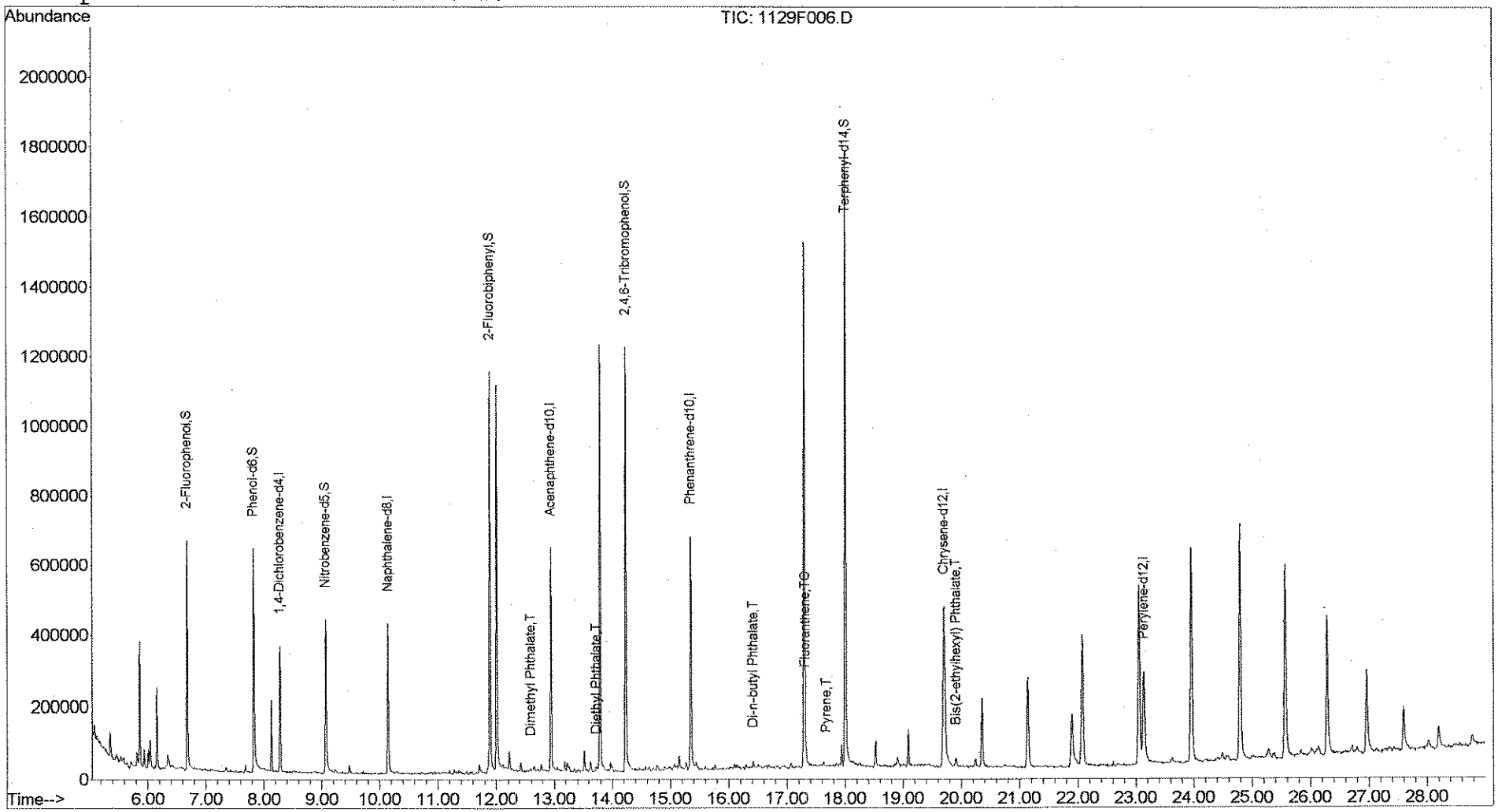
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F006.D
Acq On : 29 Nov 2010 1:08 pm
Sample : KWG1012791-03 | MB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:44 2010

Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Units:**	ug/WIPE
Lab Code:	KWG1012791-1	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodimethylamine	**3.87**		1.0	1	11/22/10	11/29/10	KWG1012791	*
Bis(2-chloroethyl) Ether	**2.70**		0.20	1	11/22/10	11/29/10	KWG1012791	
Phenol	**2.80**		0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chlorophenol	**2.94**		0.50	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroisopropyl) Ether	**2.87**		0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachloroethane	**3.04**		0.20	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodi-n-propylamine	**3.33**		0.20	1	11/22/10	11/29/10	KWG1012791	
Nitrobenzene	**3.21**		0.20	1	11/22/10	11/29/10	KWG1012791	
Isophorone	**3.25**		0.20	1	11/22/10	11/29/10	KWG1012791	
2-Nitrophenol	**3.31**		0.50	1	11/22/10	11/29/10	KWG1012791	
2,4-Dimethylphenol	**0.975**		2.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethoxy)methane	**3.00**		0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dichlorophenol	**3.17**		0.50	1	11/22/10	11/29/10	KWG1012791	
Naphthalene	**2.95**		0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobutadiene	**3.11**		0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chloro-3-methylphenol	**3.16**		0.50	1	11/22/10	11/29/10	KWG1012791	
Hexachlorocyclopentadiene	**1.93**		1.0	1	11/22/10	11/29/10	KWG1012791	
2,4,6-Trichlorophenol	**3.05**		0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chloronaphthalene	**3.19**		0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthylene	**3.20**		0.20	1	11/22/10	11/29/10	KWG1012791	
Dimethyl Phthalate	**3.55**		0.20	1	11/22/10	11/29/10	KWG1012791	
2,6-Dinitrotoluene	**3.71**		0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthene	**3.16**		0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrophenol	**1.68**		4.0	1	11/22/10	11/29/10	KWG1012791	
4-Nitrophenol	**3.33**		2.0	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrotoluene	**3.61**		0.20	1	11/22/10	11/29/10	KWG1012791	
Fluorene	**3.32**		0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chlorophenyl Phenyl Ether	**3.40**		0.20	1	11/22/10	11/29/10	KWG1012791	
Diethyl Phthalate	**3.55**		0.20	1	11/22/10	11/29/10	KWG1012791	
2-Methyl-4,6-dinitrophenol	**2.94**		2.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodiphenylamine	**3.31**		0.20	1	11/22/10	11/29/10	KWG1012791	
Azobenzene	**3.55**		0.20	1	11/22/10	11/29/10	KWG1012791	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Lab Control Sample	**Units:**	ug/WIPE
Lab Code:	KWG1012791-1	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	**3.56**		0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobenzene	**3.64**		0.20	1	11/22/10	11/29/10	KWG1012791	
Pentachlorophenol	**2.16**		1.0	1	11/22/10	11/29/10	KWG1012791	
Phenanthrene	**3.53**		0.20	1	11/22/10	11/29/10	KWG1012791	
Anthracene	**3.47**		0.20	1	11/22/10	11/29/10	KWG1012791	
Di-n-butyl Phthalate	**3.91**		0.20	1	11/22/10	11/29/10	KWG1012791	
Fluoranthene	**3.85**		0.20	1	11/22/10	11/29/10	KWG1012791	
Pyrene	**3.16**		0.20	1	11/22/10	11/29/10	KWG1012791	
Butyl Benzyl Phthalate	**3.48**		0.20	1	11/22/10	11/29/10	KWG1012791	
3,3'-Dichlorobenzidine	**2.90**		0.50	1	11/22/10	11/29/10	KWG1012791	
Benz(a)anthracene	**3.58**		0.20	1	11/22/10	11/29/10	KWG1012791	
Chrysene	**3.45**		0.20	1	11/22/10	11/29/10	KWG1012791	
Bis(2-ethylhexyl) Phthalate	**3.80**		2.0	1	11/22/10	11/29/10	KWG1012791	
Di-n-octyl Phthalate	**3.90**		0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(b)fluoranthene	**3.50**		0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(k)fluoranthene	**3.59**		0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(a)pyrene	**3.64**		0.20	1	11/22/10	11/29/10	KWG1012791	
Indeno(1,2,3-cd)pyrene	**3.82**		0.20	1	11/22/10	11/29/10	KWG1012791	
Dibenz(a,h)anthracene	**3.72**		0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(g,h,i)perylene	**3.71**		0.20	1	11/22/10	11/29/10	KWG1012791	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	59	11-80	11/29/10	Acceptable
Phenol-d6	57	20-86	11/29/10	Acceptable
Nitrobenzene-d5	62	29-91	11/29/10	Acceptable
2-Fluorobiphenyl	57	25-97	11/29/10	Acceptable
2,4,6-Tribromophenol	68	10-119	11/29/10	Acceptable
Terphenyl-d14	70	33-129	11/29/10	Acceptable

Comments:

Exception Report

Data File: J:\MS06\DATA\112910\1129F007.D
Lab ID: KWG1012791-1
RunType: LCS
Matrix: WIPE

Date Acquired: 11/29/2010 14:17
Date Quantitated: 11/30/2010 09:35
Batch ID: KWG1013042
Analysis Method: 8270C
MethodJoinID: MJ340

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

L12914

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	N-Nitrosodimethylamine	43.2	NA	30	Narrative

Primary Review: LB 11/30/10

Secondary Review: 11/30/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WIPE
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/23/2010

Analysis Lot:	KWG1013042	**Prep Lot:**	KWG1012791	**Report Group:**	
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	980569	**Prep Date:**	11/22/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:			
Tune Ref:	J:\MS06\DATA\112910\1129F003.D	**Method ID:**	MJ340
MB Ref:	J:\MS06\DATA\112910\1129F006.D	**Quant based on Method**	

Data File:	J:\MS06\DATA\112910\1129F007.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 14:17	**Quant Date:**	11/30/2010 09:35	**Vial:**	5
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG1012791-1			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.26	0.01?	152	95690	1,000.00	OK
2	Naphthalene-d8	10.14	0.00?	136	286143	1,000.00	OK
3	Acenaphthene-d10	12.95	0.00?	164	149643	1,000.00	OK
4	Phenanthrene-d10	15.36	0.00?	188	290064	1,000.00	OK
5	Chrysene-d12	19.71	0.00?	240	408620	1,000.00	OK
6	Perylene-d12	23.14	-0.01?	264	360903	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	2-Fluorophenol	6.60	0.00	0.00	112	181887	1,922	59	11-80	OK	
1	Phenol-d6	7.80	0.00	0.00	99	206864	1,863	57	20-86	OK	
1	Nitrobenzene-d5	9.06	-0.01	0.00	82	196833	1,562	62	29-91	OK	
3	2-Fluorobiphenyl	11.89	0.00	0.00	172	350638	1,425	57	25-97	OK	
4	2,4,6-Tribromophenol	14.24	0.00	0.00	330	129987	2,566	68	10-119	OK	
5	Terphenyl-d14	18.01	0.00	0.00	244	561337	1,741	70	33-129	OK	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine	5.38	0.05	0.01	42	286256m	1,937	3.87		
1	Bis(2-chloroethyl) Ether	7.92		0.00	93	120468m	1,351	2.70		
1	Phenol	7.82		0.00	94	171232	1,399	2.80		
1	2-Chlorophenol	7.97		0.00	128	163410	1,468	2.94		
1	1,3-Dichlorobenzene	8.17		0.00	146	198514	1,416	2.83		
1	1,4-Dichlorobenzene	8.28		0.00	146	202515	1,424	2.85		
1	1,2-Dichlorobenzene	8.49		0.00	146	196243	1,498	3.00		
1	Benzyl Alcohol	8.49		0.00	108	86433	1,528	3.06	J	
1	Bis(2-chloroisopropyl) Ether	8.67	-0.01	0.00	45	271484	1,437	2.87		
1	2-Methylphenol	8.66		0.00	107	98696	1,209	2.42		

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J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F007.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 14:17	**Quant Date:**	11/30/2010 09:35	**Vial:**	5
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG1012791-1			**Soln Conc. Units:**	ng/ml

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Hexachloroethane	8.97		0.00	117	85134	1,519	3.04		
1	N-Nitrosodi-n-propylamine	8.86	-0.01	0.00	70	134031	1,664	3.33		
1	4-Methylphenol	8.89		0.00	107	135921	1,277	2.55		
1	Nitrobenzene	9.09		0.00	77	201518	1,605	3.21		
2	Isophorone	9.46		0.00	82	324910	1,626	3.25		
2	2-Nitrophenol	9.57		0.00	139	100416	1,654	3.31		
2	2,4-Dimethylphenol	9.68	-0.01	0.00	122	41235	487.49	0.975	J	
2	Bis(2-chloroethoxy)methane	9.82		0.00	93	144037	1,500	3.00		
2	2,4-Dichlorophenol	9.95		0.00	162	143127	1,585	3.17		
2	Benzoic Acid				122	0d		5.0	U	
2	1,2,4-Trichlorobenzene	10.07		0.00	180	188802	1,560	3.12		
2	Naphthalene	10.17		0.00	128	419726	1,473	2.95		
2	4-Chloroaniline	10.30	0.01	0.00	127	156172	1,308	2.62		
2	Hexachlorobutadiene	10.39	0.01	0.00	225	148496	1,554	3.11		
2	4-Chloro-3-methylphenol	11.12		0.00	107	144882	1,578	3.16		
2	2-Methylnaphthalene	11.27		0.00	141	250201	1,548	3.10		
3	Hexachlorocyclopentadiene	11.54	0.01	0.00	237	101632	965.42	1.93		
3	2,4,6-Trichlorophenol	11.76		0.00	196	119112	1,523	3.05		
3	2,4,5-Trichlorophenol	11.82		0.00	196	131717	1,562	3.12		
3	2-Chloronaphthalene	12.05		0.00	127	130284	1,597	3.19		
3	2-Nitroaniline	12.25	-0.01	0.00	65	135638	1,915	3.83		
3	Acenaphthylene	12.71		0.00	152	463467	1,600	3.20		
3	Dimethyl Phthalate	12.59	-0.01	0.00	163	412112	1,773	3.55		
3	2,6-Dinitrotoluene	12.68		0.00	165	101096	1,857	3.71		
3	Acenaphthene	13.00		0.00	154	261566	1,580	3.16		
3	3-Nitroaniline	12.94		0.00	138	84335	1,591	3.18		
3	2,4-Dinitrophenol	13.12		0.00	184	26310	841.44	1.68	J	
3	Dibenzofuran	13.29		0.00	168	430903	1,585	3.17		
3	4-Nitrophenol	13.29	-0.01	0.00	109	81344	1,663	3.33		
3	2,4-Dinitrotoluene	13.33	-0.01	0.00	165	140602	1,807	3.61		
3	Fluorene	13.85		0.00	166	351850	1,658	3.32		
3	4-Chlorophenyl Phenyl Ether	13.88		0.00	204	220083	1,698	3.40		
3	Diethyl Phthalate	13.75		0.00	149	437037	1,773	3.55		
3	4-Nitroaniline	13.93	-0.01	0.00	138	82488	1,535	3.07		
3	2-Methyl-4,6-dinitrophenol	13.99		0.00	198	78974	1,472	2.94		
3	N-Nitrosodiphenylamine	14.08	-0.01	0.00	169	253342	1,654	3.31		
3	Azobenzene	14.13		0.00	77	418824	1,776	3.55		
4	4-Bromophenyl Phenyl Ether	14.66	-0.01	0.00	248	150798	1,782	3.56		
4	Hexachlorobenzene	14.73	-0.01	0.00	284	168356	1,819	3.64		
4	Pentachlorophenol	15.08		0.00	266	65183	1,079	2.16		
4	Phenanthrene	15.40		0.00	178	513091	1,765	3.53		
4	Anthracene	15.48		0.00	178	524283	1,735	3.47		

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Data File:	J:\MS06\DATA\112910\1129F007.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 14:17	**Quant Date:**	11/30/2010 09:35	**Vial:**	5
Run Type:	LCS			**Dilution:**	1.0
Lab ID:	KWG1012791-1			**Soln Conc. Units:**	ng/ml

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
4	Carbazole	15.78		0.00	167	479225	1,815	3.63		
4	Di-n-butyl Phthalate	16.43		0.00	149	720880	1,954	3.91		
4	Fluoranthene	17.33		0.00	202	697312	1,924	3.85		
5	Benzidine				184	0d		4.0	U	
5	Pyrene	17.69		0.00	202	696485	1,582	3.16		
5	Butyl Benzyl Phthalate	18.85		0.00	149	334259	1,738	3.48		
5	3,3'-Dichlorobenzidine	19.71		0.00	252	253004	1,450	2.90		
5	Benz(a)anthracene	19.69	-0.01	0.00	228	757190	1,792	3.58		
5	Chrysene	19.77		0.00	228	727660	1,727	3.45		
5	Bis(2-ethylhexyl) Phthalate	19.91		0.00	149	484737	1,900	3.80		
6	Di-n-octyl Phthalate	21.42		0.00	149	794542	1,949	3.90		
6	Benzo(b)fluoranthene	22.16		0.00	252	677941	1,750	3.50		
6	Benzo(k)fluoranthene	22.24	-0.01	0.00	252	736929	1,793	3.59		
6	Benzo(a)pyrene	23.00	-0.01	0.00	252	590234	1,820	3.64		
6	Indeno(1,2,3-cd)pyrene	25.55	-0.01	0.00	276	558074	1,909	3.82		
6	Dibenz(a,h)anthracene	25.63		0.00	278	570389	1,858	3.72		
6	Benzo(g,h,i)perylene	26.05	-0.01	0.00	276	596821	1,854	3.71		

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

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m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
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c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F007.D Vial: 5
Acq On : 29 Nov 2010 2:17 pm Operator: KBailey
Sample : KWG1012791-01 | LCS Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:38:27 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	95690	1000.00	ng/ml	-0.02
22) Naphthalene-d8	10.14	136	286143	1000.00	ng/ml	0.00
36) Acenaphthene-d10	12.95	164	149643	1000.00	ng/ml	0.00
60) Phenanthrene-d10	15.36	188	290064	1000.00	ng/ml	0.00
70) Chrysene-d12	19.71	240	408620	1000.00	ng/ml	0.00
79) Perylene-d12	23.14	264	360903	1000.00	ng/ml	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	6.60	112	181887	1922.11	ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 51.26%			
6) Phenol-d6	7.80	99	206864	1862.68	ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 49.67%			
20) Nitrobenzene-d5	9.06	82	196833	1561.77	ng/ml	-0.02
Spiked Amount 2500.000	Range 30 - 139		Recovery = 62.47%			
40) 2-Fluorobiphenyl	11.89	172	350638	1425.22	ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 57.01%			
61) 2,4,6-Tribromophenol	14.24	330	129987	2566.03	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 68.43%			
73) Terphenyl-d14	18.01	244	561337	1741.11	ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 69.64%			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.38	42	286256m	1936.70	ng/ml	
3) Pyridine	5.40	79	169585m	1685.72	ng/ml	
5) Bis(2-chloroethyl) Ether	7.92	93	120468m	1350.65	ng/ml	
7) Phenol	7.82	94	171232	1399.38	ng/ml#	64
8) Aniline	7.82	93	133169m	1050.53	ng/ml	
9) 2-Chlorophenol	7.97	128	163410	1467.96	ng/ml	97
10) 1,3-Dichlorobenzene	8.17	146	198514	1416.38	ng/ml	96
11) 1,4-Dichlorobenzene	8.28	146	202515	1423.98	ng/ml	98
12) 1,2-Dichlorobenzene	8.49	146	196243	1497.69	ng/ml	98
13) Benzyl Alcohol	8.49	108	86433	1527.68	ng/ml	76
14) Bis(2-chloroisopropyl) Eth	8.67	45	271484	1436.96	ng/ml	79
15) 2-Methylphenol	8.66	107	98696	1209.47	ng/ml#	80
17) Hexachloroethane	8.97	117	85134	1518.72	ng/ml	99
18) N-Nitrosodi-n-propylamine	8.86	70	134031	1664.13	ng/ml	92
19) 4-Methylphenol	8.89	107	135921	1277.39	ng/ml	96
21) Nitrobenzene	9.09	77	201518	1604.74	ng/ml	96
23) Isophorone	9.46	82	324910	1626.28	ng/ml	97
24) 2-Nitrophenol	9.57	139	100416	1654.16	ng/ml	89
25) 2,4-Dimethylphenol	9.68	122	41235	487.49	ng/ml	97
26) Bis(2-chloroethoxy)methane	9.82	93	144037	1499.56	ng/ml	99

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F007.D
Acq On : 29 Nov 2010 2:17 pm
Sample : KWG1012791-01 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:38:27 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27)	2,4-Dichlorophenol	9.95	162	143127	1585.11 ng/ml	99
29)	1,2,4-Trichlorobenzene	10.07	180	188802	1559.75 ng/ml	99
30)	Naphthalene	10.17	128	419726	1472.91 ng/ml	99
31)	4-Chloroaniline	10.30	127	156172	1307.89 ng/ml	96
32)	Hexachlorobutadiene	10.39	225	148496	1554.00 ng/ml	94
33)	4-Chloro-3-methylphenol	11.12	107	144882	1577.84 ng/ml	93
34)	2-Methylnaphthalene	11.27	141	250201	1548.34 ng/ml	95
35)	1-Methylnaphthalene	11.43	141	254631	1526.72 ng/ml	98
37)	Hexachlorocyclopentadiene	11.54	237	101632	965.42 ng/ml	97
38)	2,4,6-Trichlorophenol	11.76	196	119112	1522.60 ng/ml	99
39)	2,4,5-Trichlorophenol	11.82	196	131717	1561.90 ng/ml	98
41)	2-Chloronaphthalene	12.05	127	130284	1597.05 ng/ml	99
42)	2-Nitroaniline	12.25	65	135638	1915.34 ng/ml	90
43)	Acenaphthylene	12.71	152	463467	1599.63 ng/ml	99
44)	Dimethyl Phthalate	12.59	163	412112	1773.02 ng/ml	99
45)	2,6-Dinitrotoluene	12.68	165	101096	1856.89 ng/ml	92
46)	Acenaphthene	13.00	154	261566	1580.46 ng/ml	99
47)	3-Nitroaniline	12.94	138	84335	1590.99 ng/ml	94
48)	2,4-Dinitrophenol	13.12	184	26310	841.44 ng/ml	99
49)	Dibenzofuran	13.29	168	430903	1584.86 ng/ml	90
50)	4-Nitrophenol	13.29	109	81344	1662.82 ng/ml#	71
51)	2,4-Dinitrotoluene	13.33	165	140602	1807.24 ng/ml	82
52)	2,3,4,6-Tetrachlorophenol	13.52	232	123630	1547.56 ng/ml	97
53)	Fluorene	13.85	166	351850	1658.44 ng/ml	97
54)	4-Chlorophenyl Phenyl Ethe	13.88	204	220083	1698.13 ng/ml	97
55)	Diethyl Phthalate	13.75	149	437037	1772.68 ng/ml	96
56)	4-Nitroaniline	13.93	138	82488	1535.25 ng/ml#	79
57)	2-Methyl-4,6-dinitrophenol	13.99	198	78974	1472.31 ng/ml	97
58)	N-Nitrosodiphenylamine	14.08	169	253342	1653.72 ng/ml	97
59)	Azobenzene	14.13	77	418824	1776.47 ng/ml	90
62)	4-Bromophenyl Phenyl Ether	14.66	248	150798	1782.00 ng/ml	93
63)	Hexachlorobenzene	14.73	284	168356	1819.32 ng/ml	98
64)	Pentachlorophenol	15.08	266	65183	1079.34 ng/ml	100
65)	Phenanthrene	15.40	178	513091	1764.72 ng/ml	98
66)	Anthracene	15.48	178	524283	1735.36 ng/ml	99
67)	Carbazole	15.78	167	479225	1814.69 ng/ml	99
68)	Di-n-butyl Phthalate	16.43	149	720880	1954.36 ng/ml	99
69)	Fluoranthene	17.33	202	697312	1924.47 ng/ml	98
72)	Pyrene	17.69	202	696485	1581.68 ng/ml	99
74)	Butyl Benzyl Phthalate	18.85	149	334259	1737.67 ng/ml	94
75)	3,3'-Dichlorobenzidine	19.71	252	253004	1450.38 ng/ml	99

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F007.D
Acq On : 29 Nov 2010 2:17 pm
Sample : KWG1012791-01 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:38:27 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
76)	Benz(a)anthracene	19.69	228	757190	1791.60	ng/ml	97
77)	Chrysene	19.77	228	727660	1726.77	ng/ml	97
78)	Bis(2-ethylhexyl) Phthalat	19.91	149	484737	1900.11	ng/ml	97
80)	Di-n-octyl Phthalate	21.42	149	794542	1948.58	ng/ml	96
81)	Benzo(b)fluoranthene	22.16	252	677941	1749.87	ng/ml	100
82)	Benzo(k)fluoranthene	22.24	252	736929	1793.04	ng/ml	98
83)	Benzo(a)pyrene	23.00	252	590234	1819.63	ng/ml	96
84)	Indeno(1,2,3-cd)pyrene	25.55	276	558074	1909.25	ng/ml	98
85)	Dibenz(a,h)anthracene	25.63	278	570389	1858.24	ng/ml	98
86)	Benzo(g,h,i)perylene	26.05	276	596821	1853.75	ng/ml	99

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

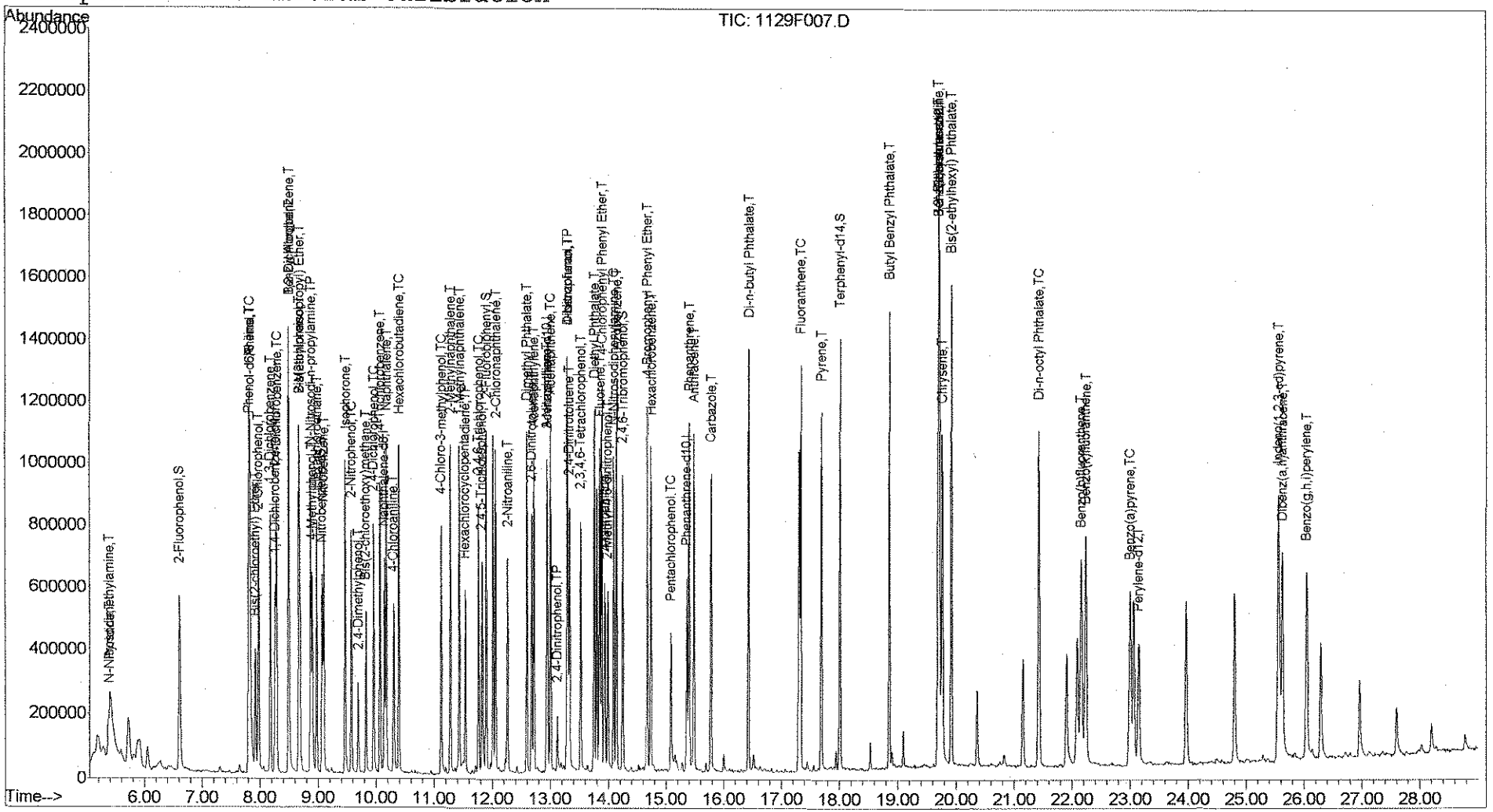
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F007.D
Acq On : 29 Nov 2010 2:17 pm
Sample : KWG1012791-01 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 9:35 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration



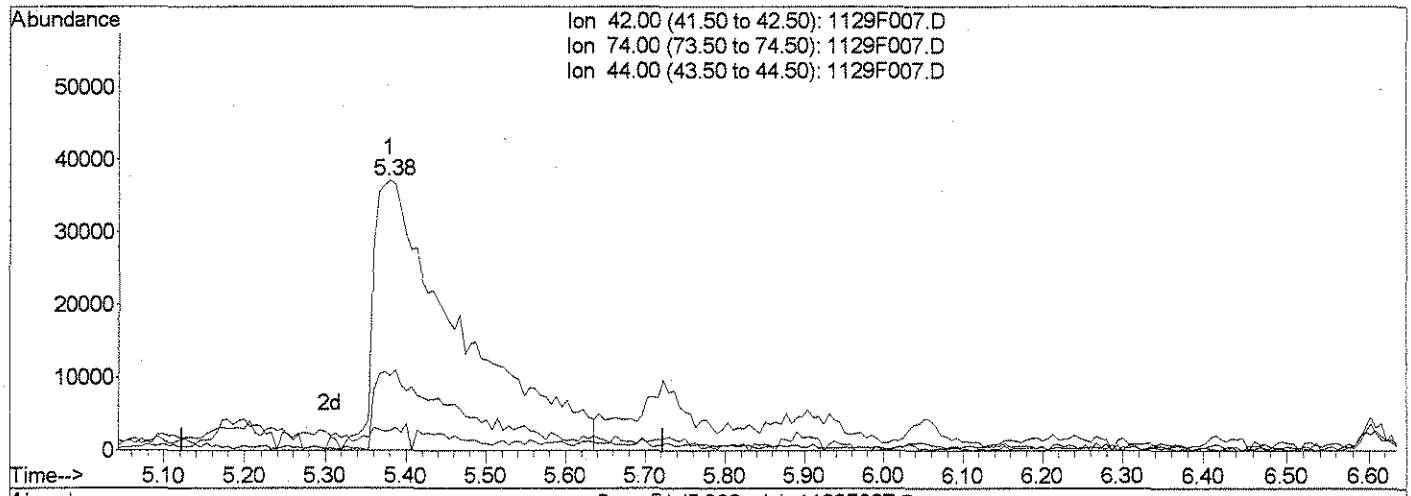
2315

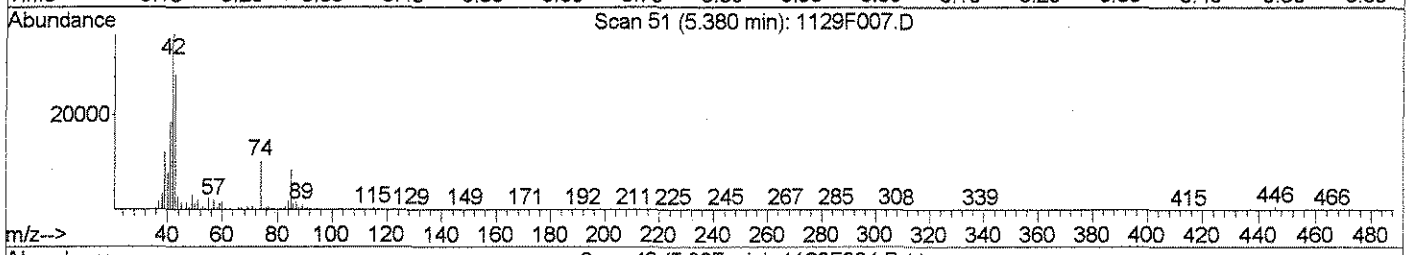
Quantitation Report (Qedit)

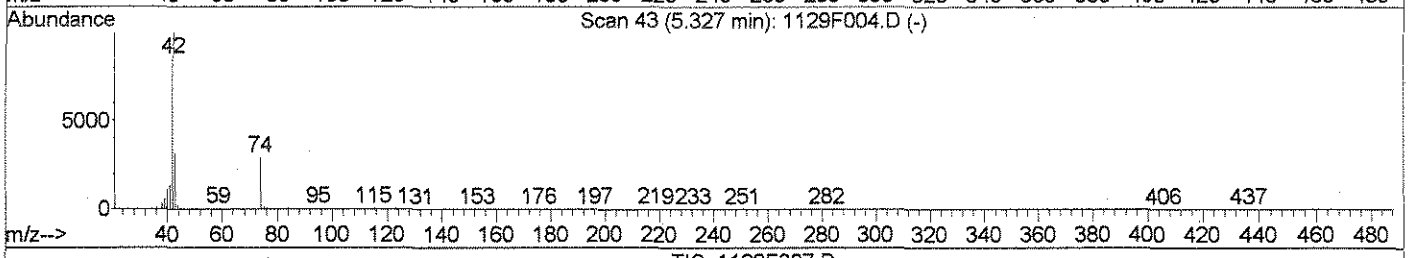
Data File : J:\MS06\DATA\112910\1129F007.D
Acq On : 29 Nov 2010 2:17 pm
Sample : KWG1012791-01 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:38 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Single Level Calibration







TIC: 1129F007.D

(2) N-Nitrosodimethylamine (T)

5.38min 1876.43ng/ml

response 277348

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	27.21
44.00	4.40	4.22
0.00	0.00	0.00

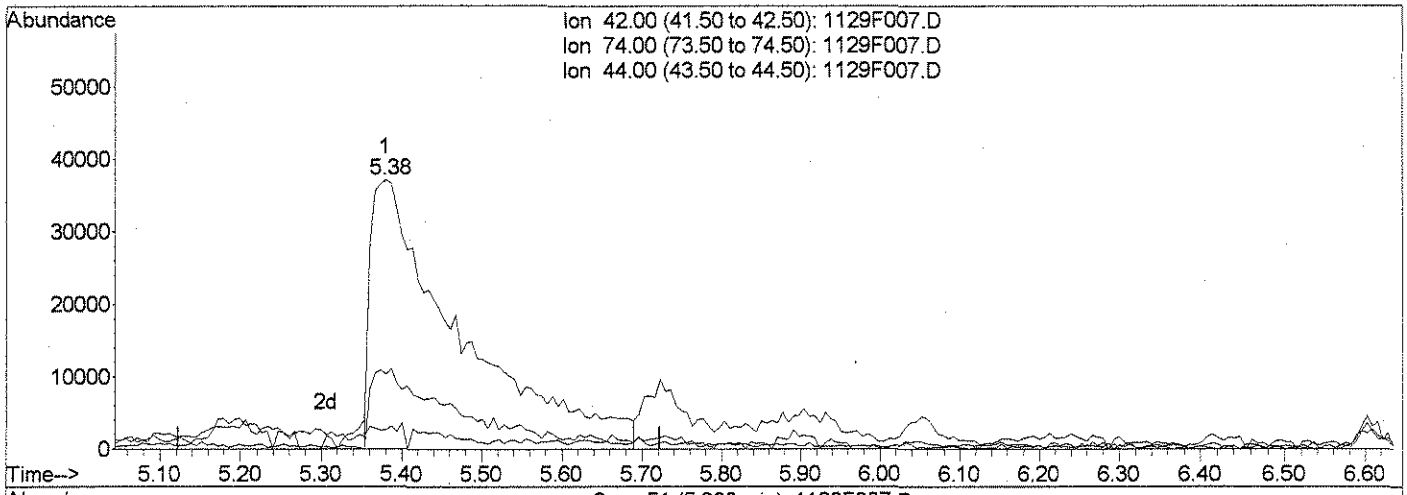
1129F007.D 111510_BNLL.M Tue Nov 30 08:44:11 2010

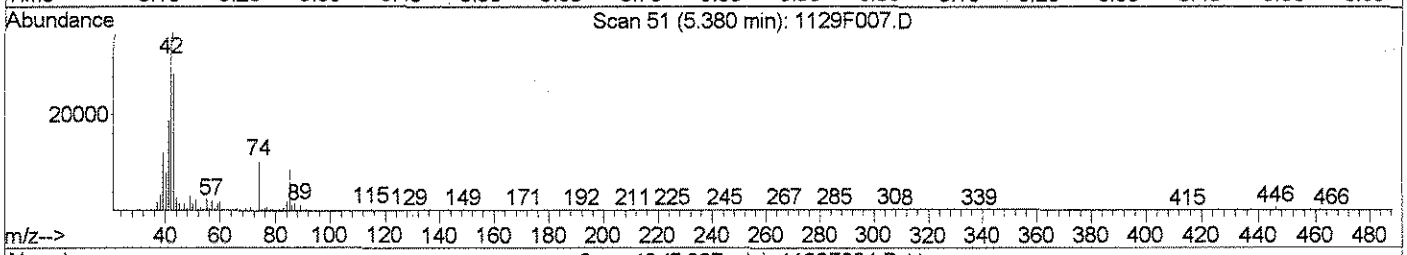
Quantitation Report (Qedit)

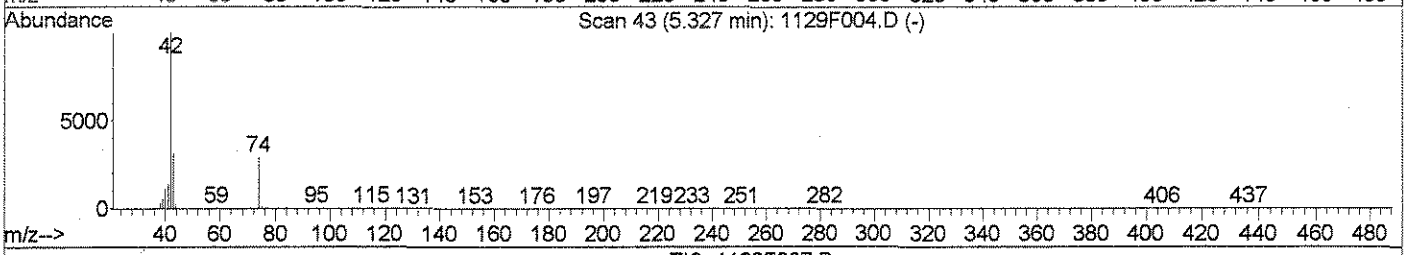
Data File : J:\MS06\DATA\112910\1129F007.D
Acq On : 29 Nov 2010 2:17 pm
Sample : KWG1012791-01 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:44 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Single Level Calibration







TIC: 1129F007.D

(2) N-Nitrosodimethylamine (T)

5.38min 1936.70ng/ml m

response 286256

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	27.84
44.00	4.40	7.23
0.00	0.00	0.00

1c
B 11/30/10
11/30/10

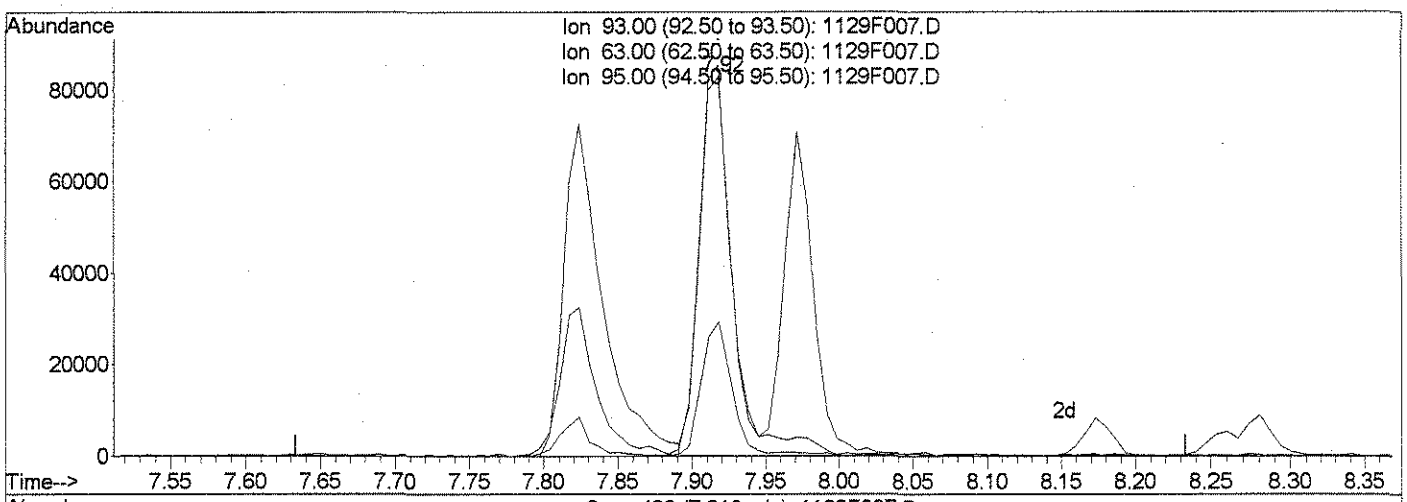
1129F007.D 111510_BNLL.M Tue Nov 30 08:44:15 2010

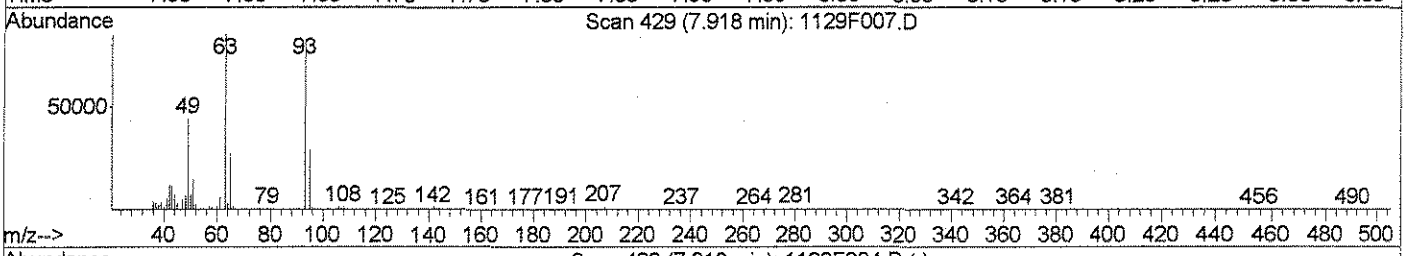
Quantitation Report (Qedit)

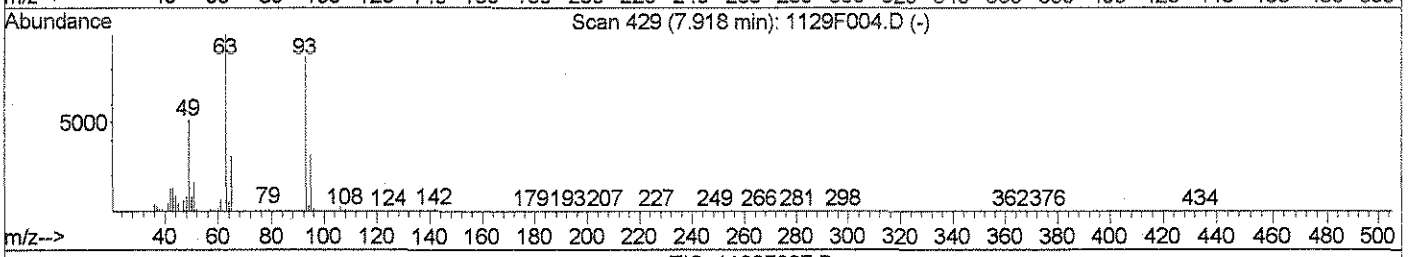
Data File : J:\MS06\DATA\112910\1129F007.D
Acq On : 29 Nov 2010 2:17 pm
Sample : KWG1012791-01 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:44 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Multiple Level Calibration







TIC: 1129F007.D

(5) Bis(2-chloroethyl) Ether (T)

7.92min 1458.10ng/ml

response 130052

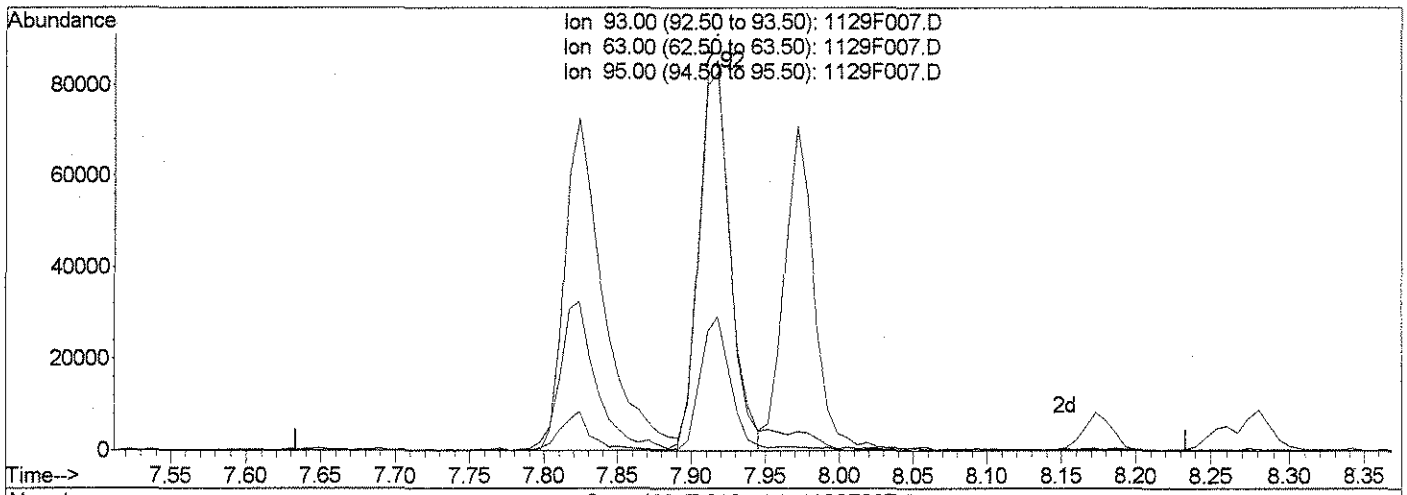
Ion	Exp%	Act%
93.00	100	100
63.00	101.10	102.62
95.00	36.80	35.25
0.00	0.00	0.00

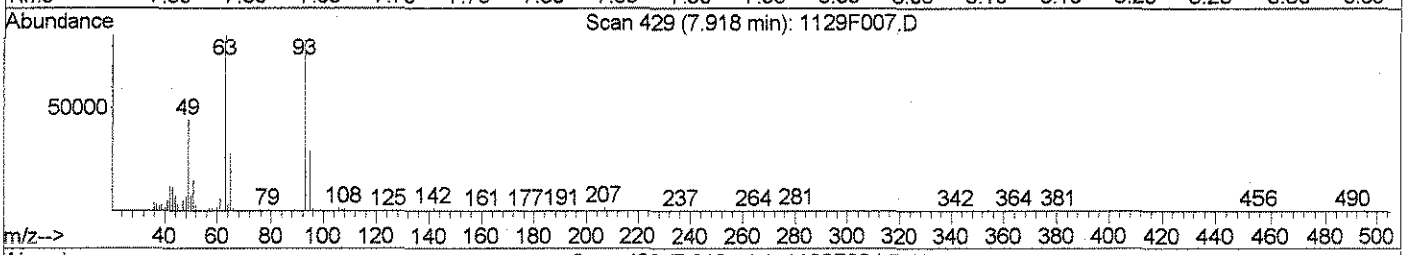
Quantitation Report (Qedit)

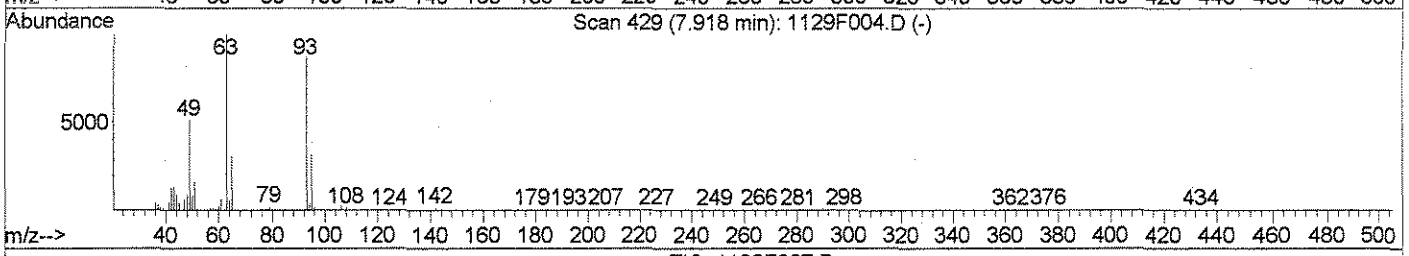
Data File : J:\MS06\DATA\112910\1129F007.D
Acq On : 29 Nov 2010 2:17 pm
Sample : KWG1012791-01 | LCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:44 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Multiple Level Calibration







TIC: 1129F007.D

(5) Bis(2-chloroethyl) Ether (T)

7.92min 1350.65ng/ml m

response 120468

Ion	Exp%	Act%
93.00	100	100
63.00	101.10	103.17
95.00	36.80	35.32
0.00	0.00	0.00

01

LB 11/30/10

11/30/10

1129F007.D 111510_BNLL.M Tue Nov 30 08:44:32 2010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Duplicate Lab Control Sample	**Units:**	ug/WIPE
Lab Code:	KWG1012791-2	**Basis:**	Wet
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine	ND	U	4.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodimethylamine	**3.18**		1.0	1	11/22/10	11/29/10	KWG1012791	*
Bis(2-chloroethyl) Ether	**2.29**		0.20	1	11/22/10	11/29/10	KWG1012791	
Phenol	**2.29**		0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chlorophenol	**2.52**		0.50	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroisopropyl) Ether	**2.44**		0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachloroethane	**2.54**		0.20	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodi-n-propylamine	**2.95**		0.20	1	11/22/10	11/29/10	KWG1012791	
Nitrobenzene	**2.76**		0.20	1	11/22/10	11/29/10	KWG1012791	
Isophorone	**3.14**		0.20	1	11/22/10	11/29/10	KWG1012791	
2-Nitrophenol	**2.84**		0.50	1	11/22/10	11/29/10	KWG1012791	
2,4-Dimethylphenol	**1.42**		2.0	1	11/22/10	11/29/10	KWG1012791	
Bis(2-chloroethoxy)methane	**2.64**		0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dichlorophenol	**2.88**		0.50	1	11/22/10	11/29/10	KWG1012791	
Naphthalene	**2.69**		0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobutadiene	**2.96**		0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chloro-3-methylphenol	**3.12**		0.50	1	11/22/10	11/29/10	KWG1012791	
Hexachlorocyclopentadiene	**1.70**		1.0	1	11/22/10	11/29/10	KWG1012791	
2,4,6-Trichlorophenol	**2.98**		0.50	1	11/22/10	11/29/10	KWG1012791	
2-Chloronaphthalene	**2.95**		0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthylene	**2.94**		0.20	1	11/22/10	11/29/10	KWG1012791	
Dimethyl Phthalate	**3.42**		0.20	1	11/22/10	11/29/10	KWG1012791	
2,6-Dinitrotoluene	**3.51**		0.20	1	11/22/10	11/29/10	KWG1012791	
Acenaphthene	**2.92**		0.20	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrophenol	**1.90**		4.0	1	11/22/10	11/29/10	KWG1012791	
4-Nitrophenol	**3.60**		2.0	1	11/22/10	11/29/10	KWG1012791	
2,4-Dinitrotoluene	**3.60**		0.20	1	11/22/10	11/29/10	KWG1012791	
Fluorene	**3.15**		0.20	1	11/22/10	11/29/10	KWG1012791	
4-Chlorophenyl Phenyl Ether	**3.12**		0.20	1	11/22/10	11/29/10	KWG1012791	
Diethyl Phthalate	**3.46**		0.20	1	11/22/10	11/29/10	KWG1012791	
2-Methyl-4,6-dinitrophenol	**3.10**		2.0	1	11/22/10	11/29/10	KWG1012791	
N-Nitrosodiphenylamine	**3.09**		0.20	1	11/22/10	11/29/10	KWG1012791	
Azobenzene	**3.28**		0.20	1	11/22/10	11/29/10	KWG1012791	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Wipe

Service Request: K1012914
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Duplicate Lab Control Sample
Lab Code: KWG1012791-2

Units: ug/WIPE
Basis: Wet

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	**3.31**		0.20	1	11/22/10	11/29/10	KWG1012791	
Hexachlorobenzene	**3.38**		0.20	1	11/22/10	11/29/10	KWG1012791	
Pentachlorophenol	**2.64**		1.0	1	11/22/10	11/29/10	KWG1012791	
Phenanthrene	**3.31**		0.20	1	11/22/10	11/29/10	KWG1012791	
Anthracene	**3.36**		0.20	1	11/22/10	11/29/10	KWG1012791	
Di-n-butyl Phthalate	**3.73**		0.20	1	11/22/10	11/29/10	KWG1012791	
Fluoranthene	**3.80**		0.20	1	11/22/10	11/29/10	KWG1012791	
Pyrene	**3.18**		0.20	1	11/22/10	11/29/10	KWG1012791	
Butyl Benzyl Phthalate	**3.41**		0.20	1	11/22/10	11/29/10	KWG1012791	
3,3'-Dichlorobenzidine	**2.35**		0.50	1	11/22/10	11/29/10	KWG1012791	
Benz(a)anthracene	**3.63**		0.20	1	11/22/10	11/29/10	KWG1012791	
Chrysene	**3.49**		0.20	1	11/22/10	11/29/10	KWG1012791	
Bis(2-ethylhexyl) Phthalate	**3.88**		2.0	1	11/22/10	11/29/10	KWG1012791	
Di-n-octyl Phthalate	**3.81**		0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(b)fluoranthene	**3.54**		0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(k)fluoranthene	**3.56**		0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(a)pyrene	**3.61**		0.20	1	11/22/10	11/29/10	KWG1012791	
Indeno(1,2,3-cd)pyrene	**3.74**		0.20	1	11/22/10	11/29/10	KWG1012791	
Dibenz(a,h)anthracene	**3.67**		0.20	1	11/22/10	11/29/10	KWG1012791	
Benzo(g,h,i)perylene	**3.65**		0.20	1	11/22/10	11/29/10	KWG1012791	

* See Case Narrative

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	51	11-80	11/29/10	Acceptable
Phenol-d6	51	20-86	11/29/10	Acceptable
Nitrobenzene-d5	56	29-91	11/29/10	Acceptable
2-Fluorobiphenyl	55	25-97	11/29/10	Acceptable
2,4,6-Tribromophenol	70	10-119	11/29/10	Acceptable
Terphenyl-d14	74	33-129	11/29/10	Acceptable

Comments:

Exception Report

Data File: J:\MS06\DATA\112910\1129F008.D
Lab ID: KWG1012791-2
RunType: DLCS
Matrix: WIPE

Date Acquired: 11/29/2010 14:55
Date Quantitated: 11/30/2010 09:35
Batch ID: KWG1013042
Analysis Method: 8270C
MethodJoinID: MJ340

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
Analytical Holding Time	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Average RSD	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA		x
Continuing Calibration Minimum RF	NA	NA	NA	x	
Continuing Calibration SPCC/CCC	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

L12914

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Continuing Calibration Recovery	N-Nitrosodimethylamine	43.2	NA	30	Narrative

Primary Review: LB 11/30/10

Secondary Review: 11/30/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WIPE
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/23/2010

Analysis Lot:	KWG1013042	**Prep Lot:**	KWG1012791	**Report Group:**	
Analysis Method:	8270C	**Prep Method:**	EPA 3541		
Prep Ref:	980570	**Prep Date:**	11/22/2010		

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:			
Tune Ref:	J:\MS06\DATA\112910\1129F003.D	**Method ID:**	MJ340
MB Ref:	J:\MS06\DATA\112910\1129F006.D	**Quant based on Method**	

Data File:	J:\MS06\DATA\112910\1129F008.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 14:55	**Quant Date:**	11/30/2010 09:35	**Vial:**	6
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG1012791-2			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.25	0.00?	152	89947	1,000.00	OK
2	Naphthalene-d8	10.13	-0.01?	136	258088	1,000.00	OK
3	Acenaphthene-d10	12.94	-0.01?	164	139621	1,000.00	OK
4	Phenanthrene-d10	15.35	-0.01?	188	277315	1,000.00	OK
5	Chrysene-d12	19.71	0.00?	240	384441	1,000.00	OK
6	Perylene-d12	23.13	-0.02?	264	351285	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits		Rpt?
1	2-Fluorophenol	6.60	0.00	0.00	112	148260	1,667	51	11-80	OK	
1	Phenol-d6	7.80	0.00	0.00	99	171672	1,644	51	20-86	OK	
1	Nitrobenzene-d5	9.06	-0.01	0.00	82	166856	1,408	56	29-91	OK	
3	2-Fluorobiphenyl	11.88	-0.01	0.00	172	313041	1,364	55	25-97	OK	
4	2,4,6-Tribromophenol	14.23	-0.01	0.00	330	126769	2,618	70	10-119	OK	
5	Terphenyl-d14	18.00	-0.01	0.00	244	559727	1,845	74	33-129	OK	

Target Compounds

Final Conc. Units: ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine	5.41	0.08	0.01	42	221085m	1,591	3.18		
1	Bis(2-chloroethyl) Ether	7.91	-0.01	0.00	93	96113m	1,146	2.29		
1	Phenol	7.82		0.00	94	131844	1,146	2.29		
1	2-Chlorophenol	7.97		0.00	128	131889	1,260	2.52		
1	1,3-Dichlorobenzene	8.17		0.00	146	153066	1,162	2.32		
1	1,4-Dichlorobenzene	8.28		0.00	146	163637	1,224	2.45		
1	1,2-Dichlorobenzene	8.49		0.00	146	153345	1,245	2.49		
1	Benzyl Alcohol	8.48	-0.01	0.00	108	70985	1,335	2.67	J	
1	Bis(2-chloroisopropyl) Ether	8.67	-0.01	0.00	45	216222	1,218	2.44		
1	2-Methylphenol	8.65	-0.01	0.00	107	83206	1,085	2.17		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F008.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 14:55	**Quant Date:**	11/30/2010 09:35	**Vial:**	6
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG1012791-2			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Hexachloroethane	8.96	-0.01	0.00	117	66985	1,271	2.54		
1	N-Nitrosodi-n-propylamine	8.86	-0.01	0.00	70	111674	1,475	2.95		
1	4-Methylphenol	8.89		0.00	107	120804	1,208	2.42		
1	Nitrobenzene	9.08	-0.01	0.00	77	163170	1,382	2.76		
2	Isophorone	9.45	-0.01	0.00	82	283001	1,570	3.14		
2	2-Nitrophenol	9.57		0.00	139	77629	1,418	2.84		
2	2,4-Dimethylphenol	9.68	-0.01	0.00	122	54128	709.47	1.42	J	
2	Bis(2-chloroethoxy)methane	9.82		0.00	93	114211	1,318	2.64		
2	2,4-Dichlorophenol	9.95		0.00	162	117166	1,439	2.88		
2	Benzoic Acid				122	0d		5.0	U	
2	1,2,4-Trichlorobenzene	10.06	-0.01	0.00	180	153692	1,408	2.82		
2	Naphthalene	10.17		0.00	128	346210	1,347	2.69		
2	4-Chloroaniline	10.29		0.00	127	134975	1,253	2.51		
2	Hexachlorobutadiene	10.38		0.00	225	127629	1,481	2.96		
2	4-Chloro-3-methylphenol	11.11	-0.01	0.00	107	129246	1,561	3.12		
2	2-Methylnaphthalene	11.27		0.00	141	213785	1,467	2.93		
3	Hexachlorocyclopentadiene	11.53		0.00	237	83564	851.41	1.70		
3	2,4,6-Trichlorophenol	11.76		0.00	196	108857	1,491	2.98		
3	2,4,5-Trichlorophenol	11.82		0.00	196	118975	1,512	3.02		
3	2-Chloronaphthalene	12.04	-0.01	0.00	127	112311	1,476	2.95		
3	2-Nitroaniline	12.25	-0.01	0.00	65	116551	1,764	3.53		
3	Acenaphthylene	12.71		0.00	152	397700	1,471	2.94		
3	Dimethyl Phthalate	12.58	-0.02	0.00	163	371060	1,711	3.42		
3	2,6-Dinitrotoluene	12.67	-0.01	0.00	165	89097	1,754	3.51		
3	Acenaphthene	12.99	-0.01	0.00	154	225631	1,461	2.92		
3	3-Nitroaniline	12.93	-0.01	0.00	138	75073	1,518	3.04		
3	2,4-Dinitrophenol	13.11	-0.01	0.00	184	27762	947.99	1.90	J	
3	Dibenzofuran	13.28	-0.01	0.00	168	377392	1,488	2.98		
3	4-Nitrophenol	13.29	-0.01	0.00	109	82231	1,802	3.60		
3	2,4-Dinitrotoluene	13.32	-0.02	0.00	165	130671	1,800	3.60		
3	Fluorene	13.84	-0.01	0.00	166	311957	1,576	3.15		
3	4-Chlorophenyl Phenyl Ether	13.87	-0.01	0.00	204	188427	1,558	3.12		
3	Diethyl Phthalate	13.74	-0.01	0.00	149	398463	1,732	3.46		
3	4-Nitroaniline	13.92	-0.02	0.00	138	77037	1,537	3.07		
3	2-Methyl-4,6-dinitrophenol	13.98	-0.01	0.00	198	77481	1,548	3.10		
3	N-Nitrosodiphenylamine	14.08	-0.01	0.00	169	220704	1,544	3.09		
3	Azobenzene	14.13		0.00	77	360640	1,639	3.28		
4	4-Bromophenyl Phenyl Ether	14.66	-0.01	0.00	248	133866	1,655	3.31		
4	Hexachlorobenzene	14.72	-0.02	0.00	284	149670	1,692	3.38		
4	Pentachlorophenol	15.07	-0.01	0.00	266	76439	1,322	2.64		
4	Phenanthrene	15.39	-0.01	0.00	178	460605	1,657	3.31		
4	Anthracene	15.48		0.00	178	485926	1,682	3.36		

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
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D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F008.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 14:55	**Quant Date:**	11/30/2010 09:35	**Vial:**	6
Run Type:	DLCS			**Dilution:**	1.0
Lab ID:	KWG1012791-2			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/WIPE Wet Weight

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
4	Carbazole	15.77	-0.01	0.00	167	442802	1,754	3.51		
4	Di-n-butyl Phthalate	16.42	-0.01	0.00	149	657994	1,866	3.73		
4	Fluoranthene	17.32	-0.01	0.00	202	657861	1,899	3.80		
5	Benzidine				184	0		4.0	U	
5	Pyrene	17.68	-0.01	0.00	202	658025	1,588	3.18		
5	Butyl Benzyl Phthalate	18.84	-0.01	0.00	149	308754	1,706	3.41		
5	3,3'-Dichlorobenzidine	19.70	-0.01	0.00	252	192880	1,175	2.35		
5	Benz(a)anthracene	19.68	-0.02	0.00	228	722506	1,817	3.63		
5	Chrysene	19.76	-0.01	0.00	228	691475	1,744	3.49		
5	Bis(2-ethylhexyl) Phthalate	19.91		0.00	149	465059	1,938	3.88		
6	Di-n-octyl Phthalate	21.42		0.00	149	756011	1,905	3.81		
6	Benzo(b)fluoranthene	22.15	-0.01	0.00	252	667668	1,771	3.54		
6	Benzo(k)fluoranthene	22.23	-0.02	0.00	252	712135	1,780	3.56		
6	Benzo(a)pyrene	22.99	-0.02	0.00	252	570534	1,807	3.61		
6	Indeno(1,2,3-cd)pyrene	25.54	-0.02	0.00	276	532252	1,871	3.74		
6	Dibenz(a,h)anthracene	25.62	-0.01	0.00	278	547613	1,833	3.67		
6	Benzo(g,h,i)perylene	26.04	-0.02	0.00	276	571852	1,825	3.65		

Prep Amount:	1 Wipe	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	0.001
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
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E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F008.D Vial: 6
Acq On : 29 Nov 2010 2:55 pm Operator: KBailey
Sample : KWG1012791-02 | DLCS Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:38:28 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	89947	1000.00	ng/ml	-0.02
22) Naphthalene-d8	10.13	136	258088	1000.00	ng/ml	-0.02
36) Acenaphthene-d10	12.94	164	139621	1000.00	ng/ml	-0.01
60) Phenanthrene-d10	15.35	188	277315	1000.00	ng/ml	-0.01
70) Chrysene-d12	19.71	240	384441	1000.00	ng/ml	-0.01
79) Perylene-d12	23.13	264	351285	1000.00	ng/ml	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	6.60	112	148260	1666.79	ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 44.45%			
6) Phenol-d6	7.80	99	171672	1644.49	ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 43.85%			
20) Nitrobenzene-d5	9.06	82	166856	1408.45	ng/ml	-0.02
Spiked Amount 2500.000	Range 30 - 139		Recovery = 56.34%			
40) 2-Fluorobiphenyl	11.88	172	313041	1363.74	ng/ml	-0.02
Spiked Amount 2500.000	Range 37 - 126		Recovery = 54.55%			
61) 2,4,6-Tribromophenol	14.23	330	126769	2617.56	ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 69.80%			
73) Terphenyl-d14	18.00	244	559727	1845.31	ng/ml	-0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 73.81%			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.41	42	221085m	1591.28	ng/ml	
5) Bis(2-chloroethyl) Ether	7.91	93	96113m	1146.39	ng/ml	
7) Phenol	7.82	94	131844	1146.28	ng/ml#	62
8) Aniline	7.82	93	87229m	732.06	ng/ml	
9) 2-Chlorophenol	7.97	128	131889	1260.44	ng/ml	99
10) 1,3-Dichlorobenzene	8.17	146	153066	1161.84	ng/ml	96
11) 1,4-Dichlorobenzene	8.28	146	163637	1224.08	ng/ml	97
12) 1,2-Dichlorobenzene	8.49	146	153345	1245.02	ng/ml	97
13) Benzyl Alcohol	8.48	108	70985	1334.75	ng/ml#	61
14) Bis(2-chloroisopropyl) Eth	8.67	45	216222	1217.54	ng/ml	85
15) 2-Methylphenol	8.65	107	83206	1084.75	ng/ml	83
17) Hexachloroethane	8.96	117	66985	1271.25	ng/ml	97
18) N-Nitrosodi-n-propylamine	8.86	70	111674	1475.08	ng/ml	86
19) 4-Methylphenol	8.89	107	120804	1207.81	ng/ml	94
21) Nitrobenzene	9.08	77	163170	1382.33	ng/ml	93
23) Isophorone	9.45	82	283001	1570.49	ng/ml	99
24) 2-Nitrophenol	9.57	139	77629	1417.79	ng/ml	87
25) 2,4-Dimethylphenol	9.68	122	54128	709.47	ng/ml	96
26) Bis(2-chloroethoxy)methane	9.82	93	114211	1318.29	ng/ml	97
27) 2,4-Dichlorophenol	9.95	162	117166	1438.65	ng/ml	97

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F008.D Vial: 6
Acq On : 29 Nov 2010 2:55 pm Operator: KBailey
Sample : KWG1012791-02 | DLCS Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:38:28 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
29)	1,2,4-Trichlorobenzene	10.06	180	153692	1407.72	ng/ml	99
30)	Naphthalene	10.17	128	346210	1346.99	ng/ml	78
31)	4-Chloroaniline	10.29	127	134975	1253.25	ng/ml	96
32)	Hexachlorobutadiene	10.38	225	127629	1480.81	ng/ml	98
33)	4-Chloro-3-methylphenol	11.11	107	129246	1560.56	ng/ml	95
34)	2-Methylnaphthalene	11.27	141	213785	1466.80	ng/ml	94
35)	1-Methylnaphthalene	11.42	141	215923	1435.37	ng/ml	97
37)	Hexachlorocyclopentadiene	11.53	237	83564	851.41	ng/ml	96
38)	2,4,6-Trichlorophenol	11.76	196	108857	1491.39	ng/ml	98
39)	2,4,5-Trichlorophenol	11.82	196	118975	1512.07	ng/ml	98
41)	2-Chloronaphthalene	12.04	127	112311	1475.56	ng/ml	95
42)	2-Nitroaniline	12.25	65	116551	1763.95	ng/ml	98
43)	Acenaphthylene	12.71	152	397700	1471.17	ng/ml	97
44)	Dimethyl Phthalate	12.58	163	371060	1710.99	ng/ml	100
45)	2,6-Dinitrotoluene	12.67	165	89097	1753.97	ng/ml	84
46)	Acenaphthene	12.99	154	225631	1461.19	ng/ml	97
47)	3-Nitroaniline	12.93	138	75073	1517.92	ng/ml	93
48)	2,4-Dinitrophenol	13.11	184	27762	947.99	ng/ml	89
49)	Dibenzofuran	13.28	168	377392	1487.68	ng/ml	90
50)	4-Nitrophenol	13.29	109	82231	1801.61	ng/ml#	60
51)	2,4-Dinitrotoluene	13.32	165	130671	1800.15	ng/ml	83
52)	2,3,4,6-Tetrachlorophenol	13.51	232	111326	1493.57	ng/ml	95
53)	Fluorene	13.84	166	311957	1575.95	ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.87	204	188427	1558.23	ng/ml	91
55)	Diethyl Phthalate	13.74	149	398463	1732.23	ng/ml	97
56)	4-Nitroaniline	13.92	138	77037	1536.71	ng/ml	82
57)	2-Methyl-4,6-dinitrophenol	13.98	198	77481	1548.16	ng/ml	91
58)	N-Nitrosodiphenylamine	14.08	169	220704	1544.08	ng/ml	98
59)	Azobenzene	14.13	77	360640	1639.48	ng/ml	83
62)	4-Bromophenyl Phenyl Ether	14.66	248	133866	1654.64	ng/ml	95
63)	Hexachlorobenzene	14.72	284	149670	1691.75	ng/ml	95
64)	Pentachlorophenol	15.07	266	76439	1321.69	ng/ml	97
65)	Phenanthrene	15.39	178	460605	1657.03	ng/ml	99
66)	Anthracene	15.48	178	485926	1682.35	ng/ml	99
67)	Carbazole	15.77	167	442802	1753.85	ng/ml	96
68)	Di-n-butyl Phthalate	16.42	149	657994	1865.88	ng/ml	98
69)	Fluoranthene	17.32	202	657861	1899.06	ng/ml	97
72)	Pyrene	17.68	202	658025	1588.33	ng/ml	99
74)	Butyl Benzyl Phthalate	18.84	149	308754	1706.03	ng/ml	92
75)	3,3'-Dichlorobenzidine	19.70	252	192880	1175.25	ng/ml	99
76)	Benz(a)anthracene	19.68	228	722506	1817.05	ng/ml	97

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F008.D
Acq On : 29 Nov 2010 2:55 pm
Sample : KWG1012791-02 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:38:28 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
77)	Chrysene	19.76	228	691475	1744.10 ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.91	149	465059	1937.63 ng/ml	99
80)	Di-n-octyl Phthalate	21.42	149	756011	1904.85 ng/ml	99
81)	Benzo(b)fluoranthene	22.15	252	667668	1770.54 ng/ml	99
82)	Benzo(k)fluoranthene	22.23	252	712135	1780.15 ng/ml	99
83)	Benzo(a)pyrene	22.99	252	570534	1807.05 ng/ml	95
84)	Indeno(1,2,3-cd)pyrene	25.54	276	532252	1870.77 ng/ml	97
85)	Dibenz(a,h)anthracene	25.62	278	547613	1832.88 ng/ml	98
86)	Benzo(g,h,i)perylene	26.04	276	571852	1824.83 ng/ml	97

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

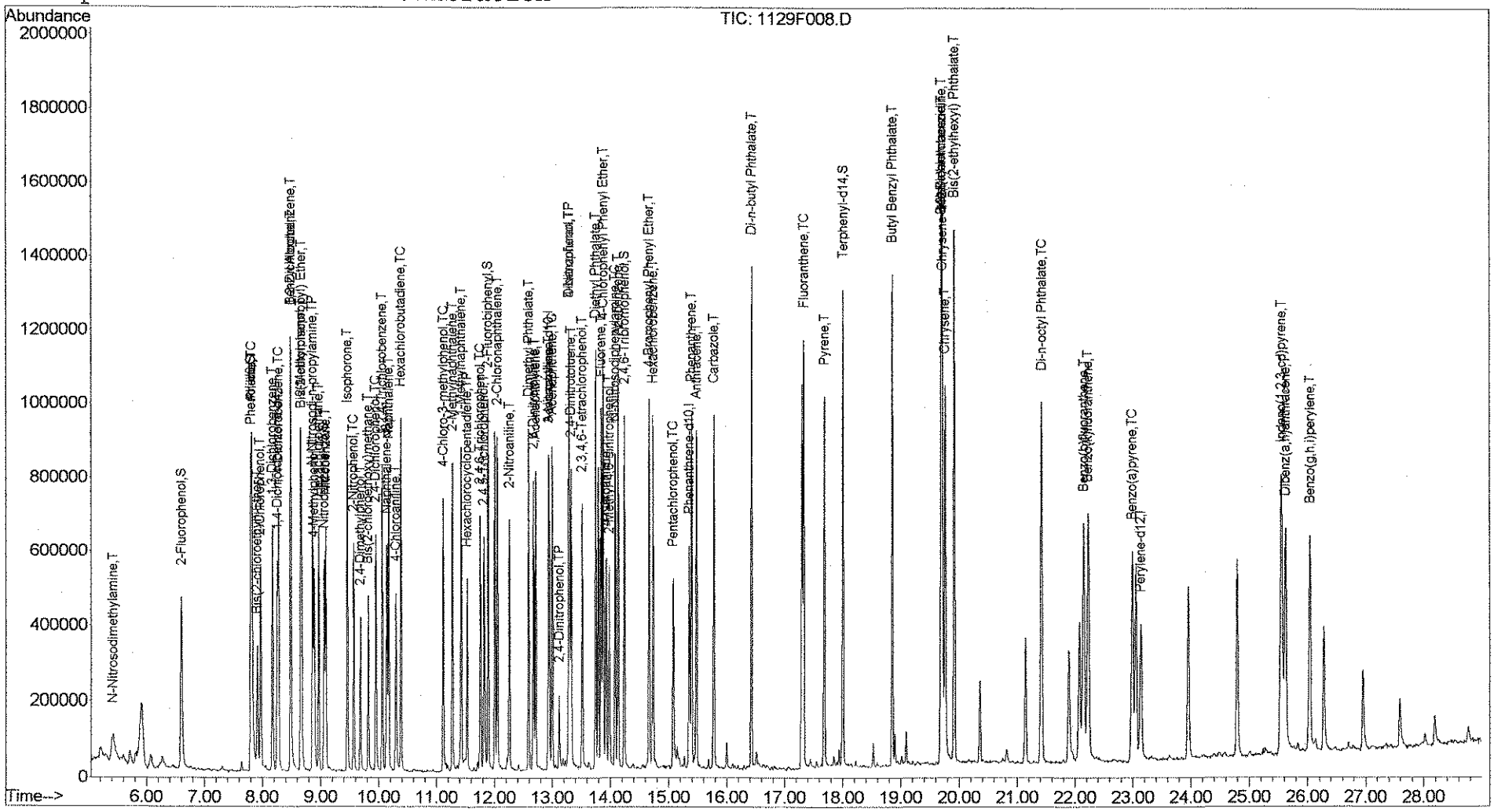
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F008.D
Acq On : 29 Nov 2010 2:55 pm
Sample : KWG1012791-02 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 9:35 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Initial Calibration

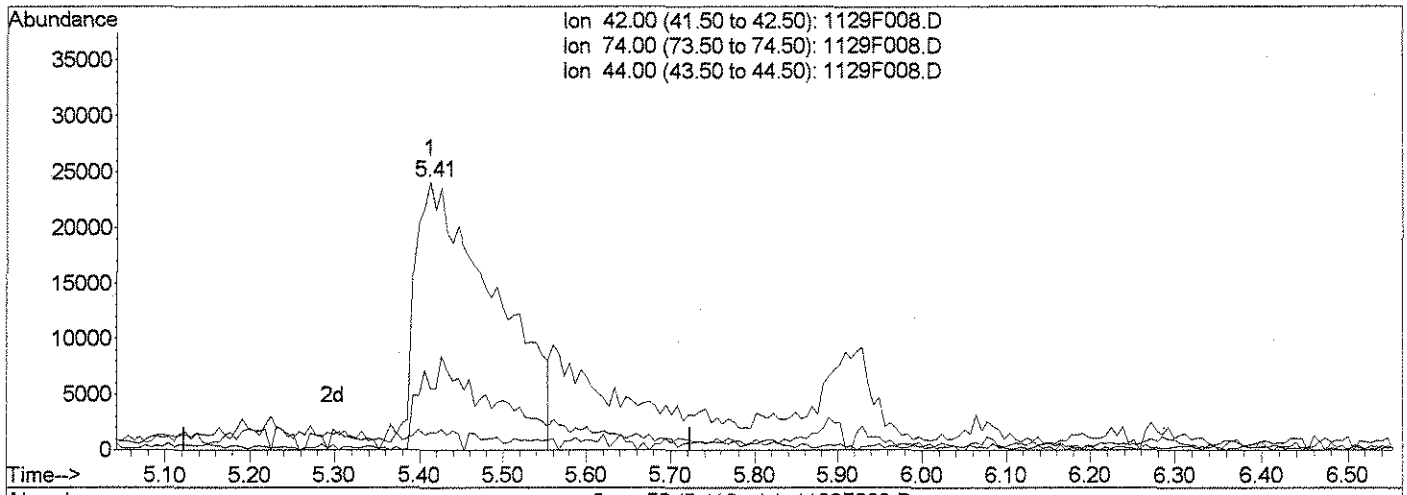


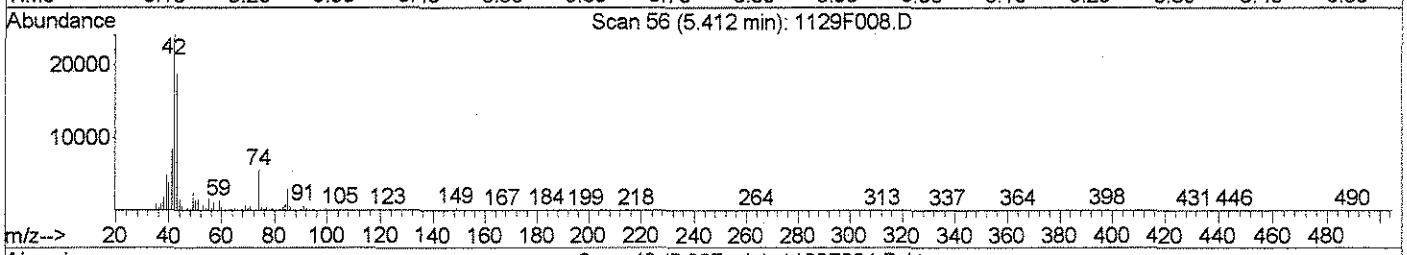
Quantitation Report (Qedit)

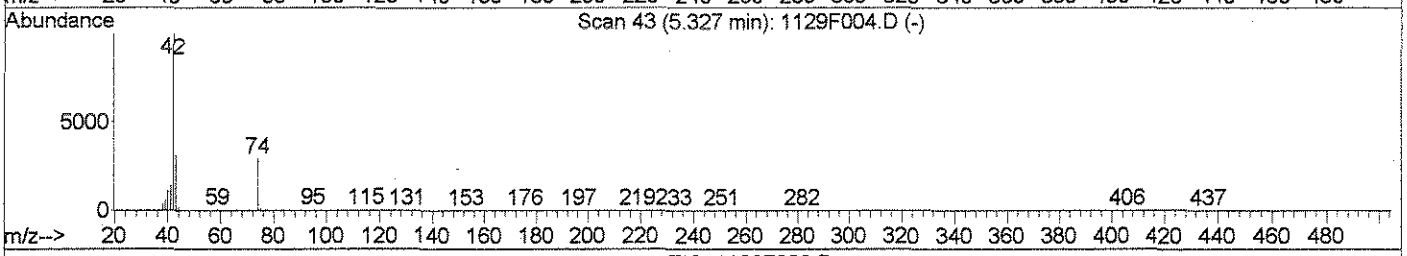
Data File : J:\MS06\DATA\112910\1129F008.D
Acq On : 29 Nov 2010 2:55 pm
Sample : KWG1012791-02 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:38 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Single Level Calibration







TIC: 1129F008.D

(2) N-Nitrosodimethylamine (T)

5.41min 1165.20ng/ml

response 161888

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	22.52
44.00	4.40	2.85
0.00	0.00	0.00

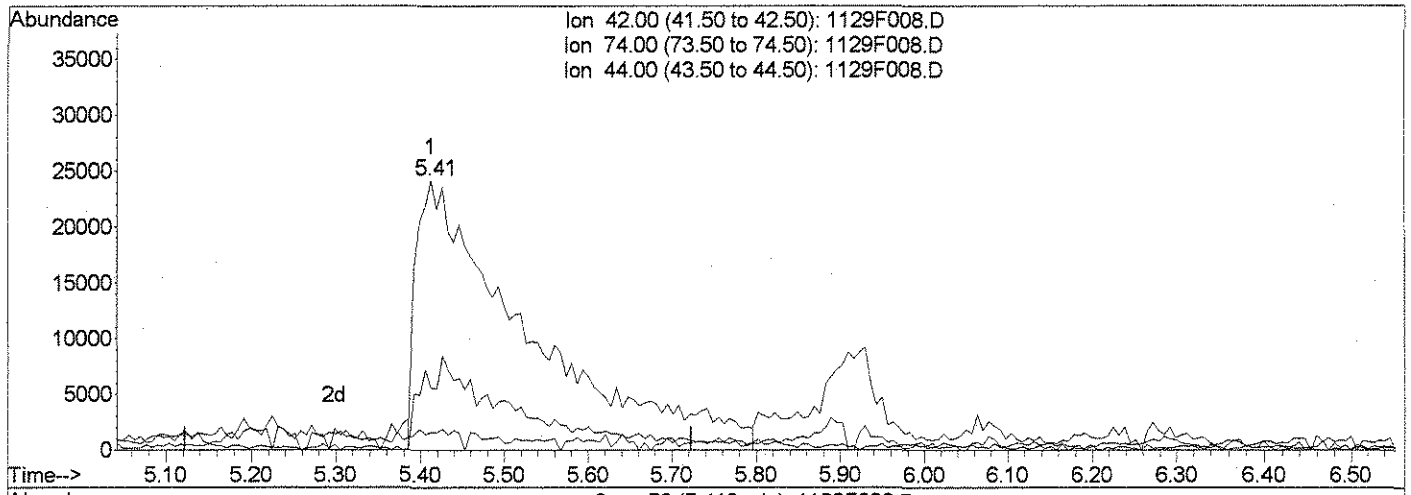
1129F008.D 111510_BNLL.M Tue Nov 30 08:45:28 2010

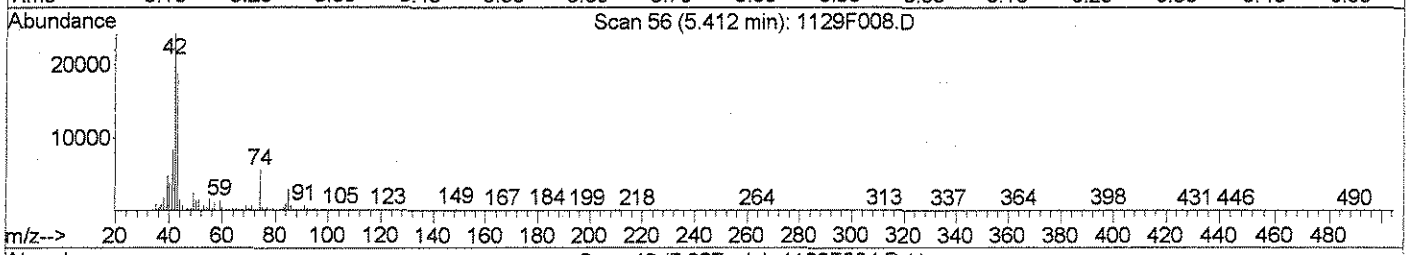
Quantitation Report (Qedit)

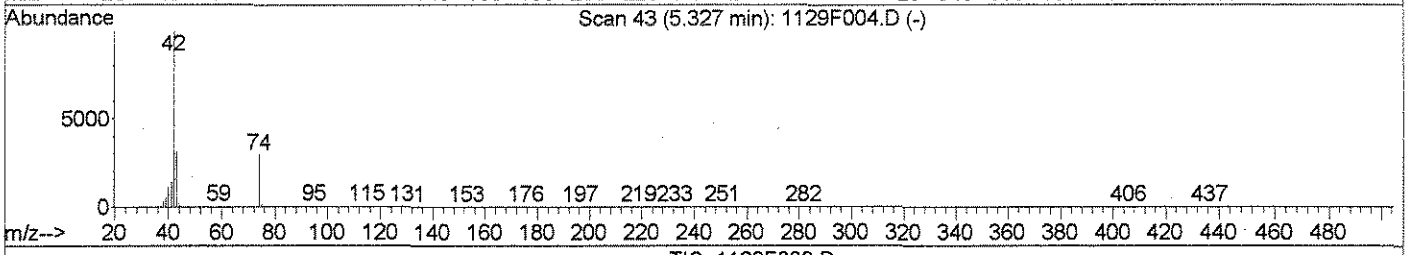
Data File : J:\MS06\DATA\112910\1129F008.D
Acq On : 29 Nov 2010 2:55 pm
Sample : KWG1012791-02 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:45 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Single Level Calibration







TIC: 1129F008.D

(2) N-Nitrosodimethylamine (T)

5.41min 1591.28ng/ml m

response 221085

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	23.08
44.00	4.40	6.53
0.00	0.00	0.00

1c
LB 11/30/10
11/30/10

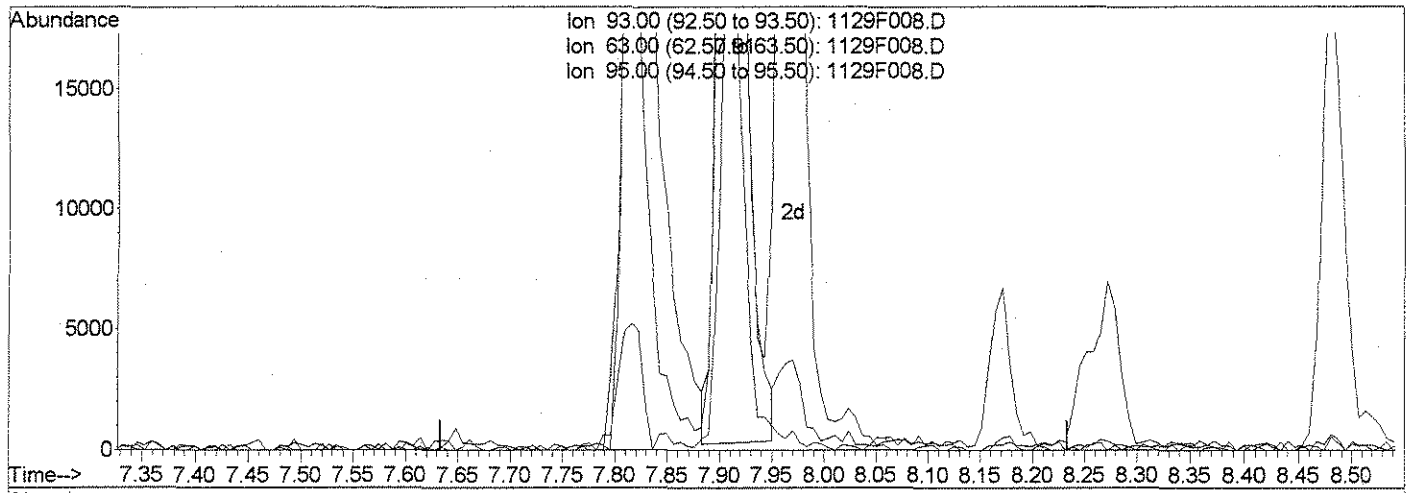
1129F008.D 111510_BNLL.M Tue Nov 30 08:45:32 2010

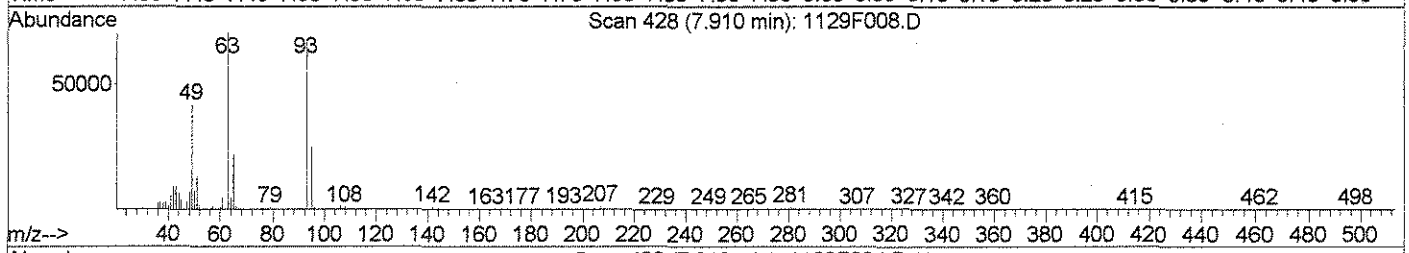
Quantitation Report (Qedit)

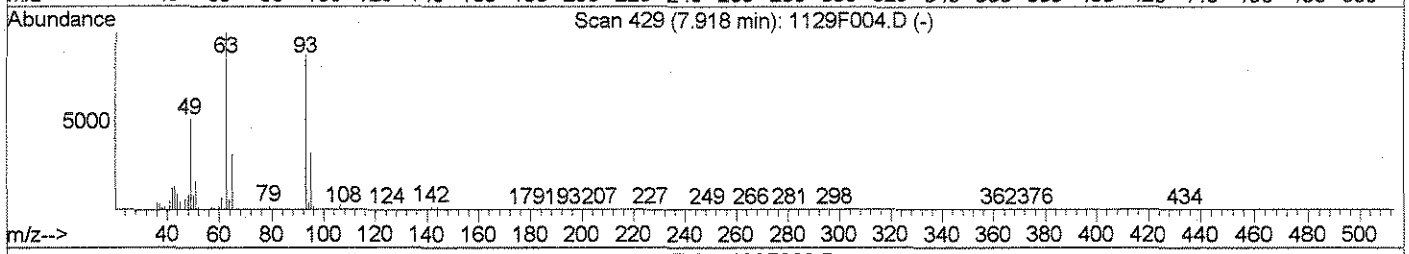
Data File : J:\MS06\DATA\112910\1129F008.D
Acq On : 29 Nov 2010 2:55 pm
Sample : KWG1012791-02 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:45 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Multiple Level Calibration







TIC: 1129F008.D

(5) Bis(2-chloroethyl) Ether (T)

7.91min 1131.52ng/ml

response 94866

Ion	Exp%	Act%
93.00	100	100
63.00	101.10	107.99
95.00	36.80	37.96
0.00	0.00	0.00

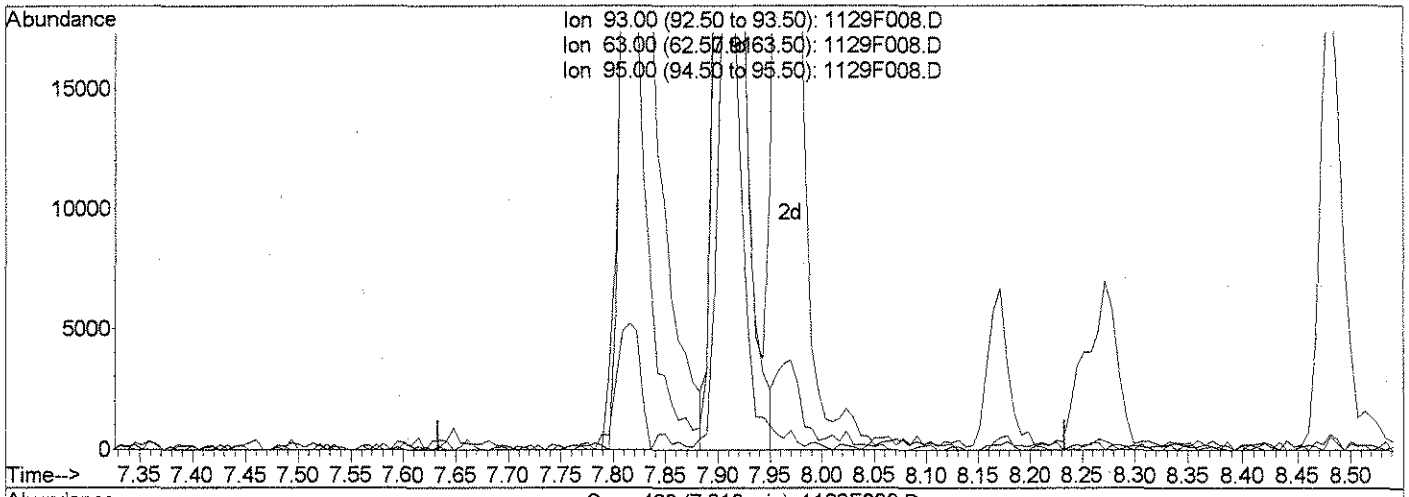
1129F008.D 111510_BNLL.M Tue Nov 30 08:45:42 2010

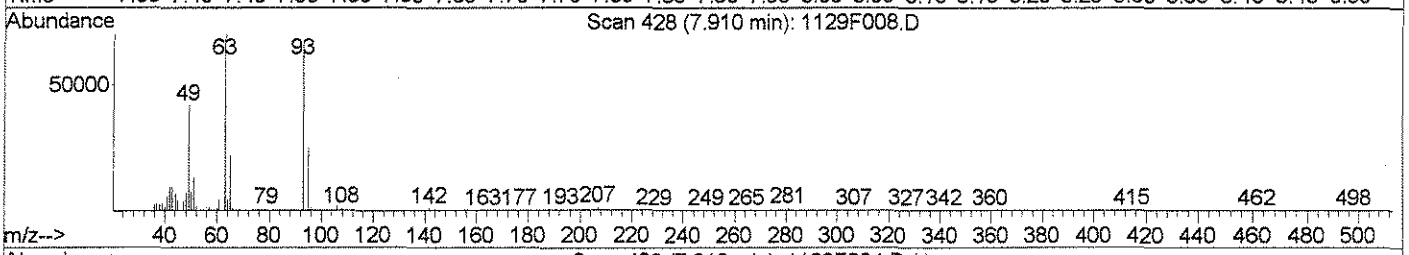
Quantitation Report (Qedit)

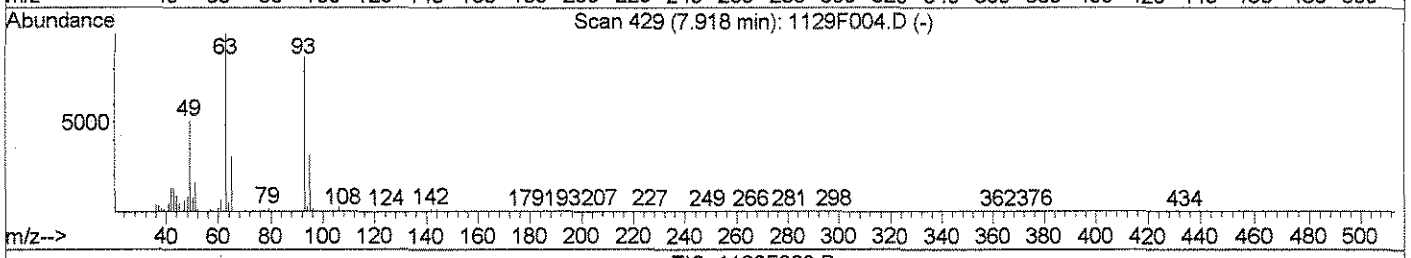
Data File : J:\MS06\DATA\112910\1129F008.D
Acq On : 29 Nov 2010 2:55 pm
Sample : KWG1012791-02 | DLCS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:45 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 30 08:36:19 2010
Response via : Multiple Level Calibration







TIC: 1129F008.D

(5) Bis(2-chloroethyl) Ether (T)

7.91min 1146.39ng/ml m

response 96113

Ion	Exp%	Act%
93.00	100	100
63.00	101.10	105.49
95.00	36.80	37.29
0.00	0.00	0.00

BL
LB 11/30/10
11/30/10

1129F008.D 111510_BNLL.M Tue Nov 30 08:45:48 2010

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/29/2010
Time Analyzed: 10:34

Tune Summary
Semi-Volatile Organic Compounds by GC/MS

File ID: J:\MS06\DATA\112910\1129F003.D
Instrument ID: MS06
Column:

Analysis Method: 8270C
Analysis Lot: KWG1013042

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	80	76.1	50367	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	67.0	44398	PASS
70	69	0	2	0.1	54	PASS
127	198	25	75	44.5	29488	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	66220	PASS
199	198	5	9	7.5	4940	PASS
275	198	10	30	27.9	18500	PASS
365	198	1	100	3.4	2258	PASS
441	443	0	100	16.7	1232	PASS
442	198	40	110	58.1	38469	PASS
443	442	15	24	19.2	7380	PASS

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed	Q
Continuing Calibration Verification	KWG1013042-2	J:\MS06\DATA\112910\1129F004.D	11/29/2010	11:36	
Method Blank	KWG1012791-3	J:\MS06\DATA\112910\1129F006.D	11/29/2010	13:08	
Lab Control Sample	KWG1012791-1	J:\MS06\DATA\112910\1129F007.D	11/29/2010	14:17	
Duplicate Lab Control Sample	KWG1012791-2	J:\MS06\DATA\112910\1129F008.D	11/29/2010	14:55	
FW0001	K1012914-029	J:\MS06\DATA\112910\1129F009.D	11/29/2010	15:33	
FW0002	K1012914-030	J:\MS06\DATA\112910\1129F010.D	11/29/2010	16:10	
FW0003	K1012914-031	J:\MS06\DATA\112910\1129F011.D	11/29/2010	16:48	

Results flagged with an asterisk (*) indicate the analysis performed outside specified tune window

Exception Report

Data File: J:\MS06\DATA\112910\1129F003.D
Lab ID: KWG1013042-1
RunType: TUNE
Matrix: WATER

Date Acquired: 11/29/2010 10:34
Date Quantitated:
Batch ID: KWG1013042
Analysis Method: 8270C
ListJoinID: LJ12104

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Ion Ratio	NA	NA	NA	x	

Primary Review: LB 11/30/10

Secondary Review: 11/30/10

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/30/2010

Analysis Lot:	KWG1013042	**Prep Lot:**		**Report Group:**	
Analysis Method:	DFTPP	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:		**Report List ID:**	LJ1747
Tune Ref:		**Method ID:**	MJ190
MB Ref:		**Quant based on Report List**	

Data File:	J:\MS06\DATA\112910\1129F003.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 10:34	**Quant Date:**		**Vial:**	2
Run Type:	TUNE			**Dilution:**	1.0
Lab ID:	KWG1013042-1			**Soln Conc. Units:**	

Tune Results

Target Mass	Relative to Mass	Lower Limit%	Upper Limit%	Relative Abundance %	Raw Abundance	Result Pass/Fail
51	198	30	80	76.1	50367	Pass
68	69	0	2	0.0	0	Pass
69	198	0	100	67.0	44398	Pass
70	69	0	2	0.1	54	Pass
127	198	25	75	44.5	29488	Pass
197	198	0	1	0.0	0	Pass
198	198	100	100	100.0	66220	Pass
199	198	5	9	7.5	4940	Pass
275	198	10	30	27.9	18500	Pass
365	198	0.75	100	3.4	2258	Pass
441	443	0.01	100	16.7	1232	Pass
442	198	40	110	58.1	38469	Pass
443	442	15	24	19.2	7380	Pass

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

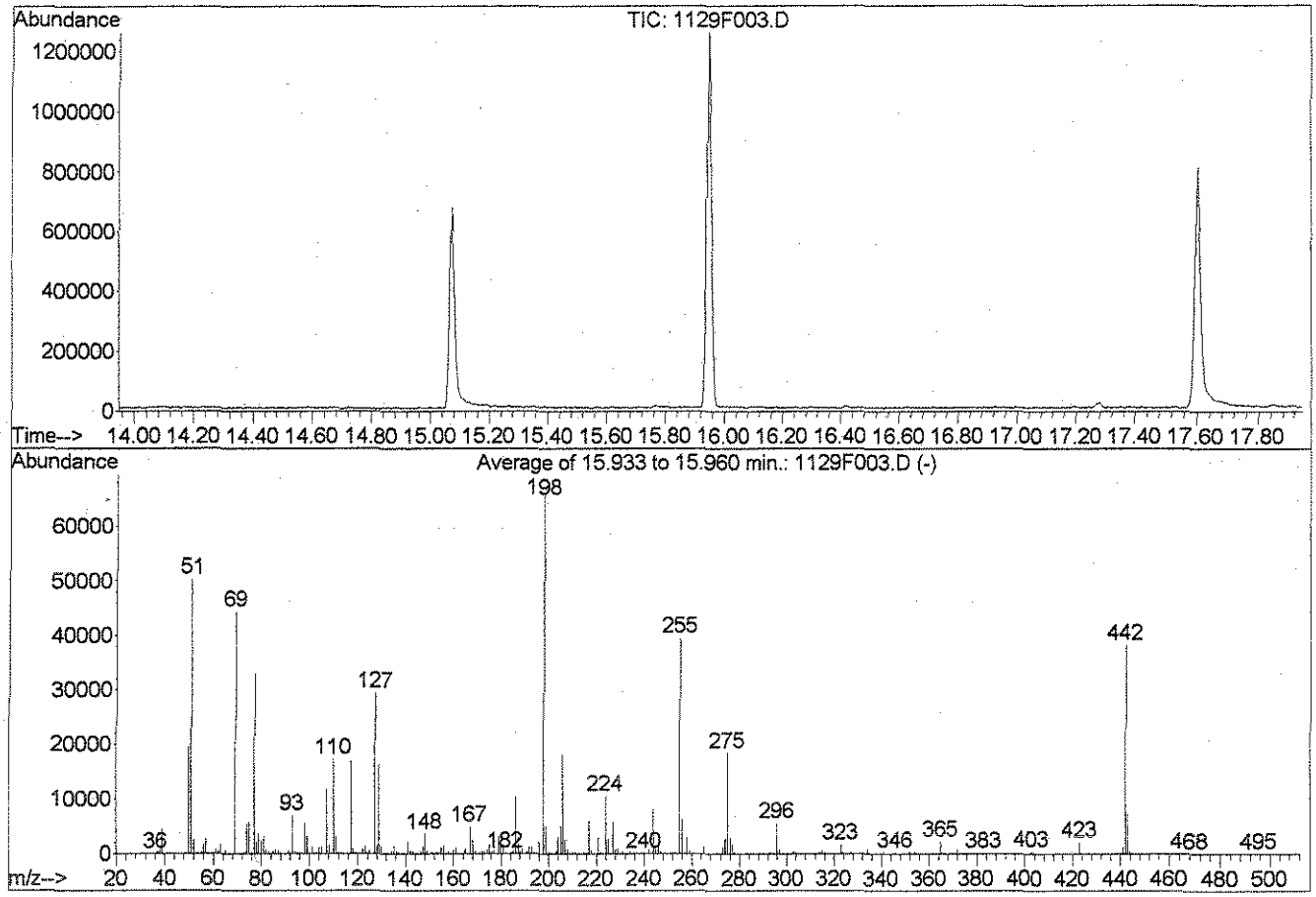
*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

DFTPP

Data File : J:\MS06\DATA\112910\1129F003.D
Acq On : 29 Nov 2010 10:34 am
Sample : 2.5ug/mL DFTPP | SVM33-~~69F~~ 70A
Misc :
MS Integration Params: RTEINT.P
Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL

Vial: 2
Operator: KBailey
Inst : MS06
Multiplr: 1.00

KB 11/30/10



Spectrum Information: Average of 15.933 to 15.960 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	76.1	50367	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	67.0	44398	PASS
70	69	0.00	2	0.1	54	PASS
127	198	25	75	44.5	29488	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	66220	PASS
199	198	5	9	7.5	4940	PASS
275	198	10	30	27.9	18500	PASS
365	198	0.75	100	3.4	2258	PASS
441	443	0.01	100	16.7	1232	PASS
442	198	40	110	58.1	38469	PASS
443	442	15	24	19.2	7380	PASS

1129F003.D 111510_BNLL.M Tue Nov 30 08:33:17 2010

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.20	35	41.55	28	48.95	226	58.85	106
36.20	56	42.20	116	50.00	19622	59.45	38
36.80	243	43.25	102	51.00	50367	60.00	114
37.00	427	44.75	121	52.00	2572	60.95	809
37.65	2	45.05	73	53.05	104	61.90	465
38.05	1387	46.40	23	53.30	111	62.05	566
38.95	4541	46.80	81	55.05	372	62.95	1733
39.90	25	47.10	39	55.85	134	64.00	82
40.45	34	47.30	23	56.00	1674	64.40	23
40.75	32	47.60	54	56.95	2816	64.80	129
40.90	187	48.10	55	58.00	104	64.95	574

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
65.90	55	74.05	5555	84.10	26	90.65	55
66.75	113	75.05	5870	84.30	21	91.05	638
67.00	106	76.05	219	84.90	453	91.45	67
67.20	115	77.00	32885	85.85	836	91.95	263
68.95	44398	78.00	2206	86.05	489	92.95	7061
69.95	54	79.00	3860	87.00	428	94.00	404
71.55	30	80.00	2354	87.80	97	94.60	25
72.10	86	80.95	3104	88.15	212	95.05	139
72.65	41	81.90	756	88.60	73	96.00	189
72.85	225	82.70	104	88.95	82	96.85	93
73.15	51	82.95	369	89.95	20	97.95	5470

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.00	3092	108.05	1599	119.15	133	128.00	1445
100.00	282	110.00	17379	119.65	103	128.95	16319
101.00	1334	110.95	3160	121.95	887	130.00	1442
101.85	70	111.80	266	122.75	62	130.85	92
102.10	125	112.40	25	122.95	1288	132.00	57
102.90	247	112.95	149	123.95	337	132.70	92
103.15	178	113.90	35	124.15	61	132.90	71
103.65	77	114.80	64	124.90	419	133.85	165
103.95	1091	116.95	17009	125.15	164	134.05	427
105.00	1165	117.95	1023	125.60	49	135.00	1406
107.00	11826	118.90	115	127.00	29488	136.10	537

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
136.95	363	145.10	54	151.00	246	157.10	188
137.10	224	145.70	38	151.65	23	157.95	479
137.95	101	146.00	449	152.00	95	158.85	126
139.10	159	146.20	157	152.45	140	159.10	74
139.90	275	146.90	98	152.75	293	159.50	46
140.80	145	147.05	1279	153.00	355	159.95	624
140.95	2239	147.95	3706	153.85	319	160.95	999
141.95	634	148.95	523	154.05	185	161.85	52
142.95	519	149.85	104	155.00	1171	162.80	43
144.00	74	150.35	53	155.95	1484	163.05	121
144.70	35	150.85	42	156.70	194	163.80	81

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
164.90	971	173.10	421	183.85	53	191.95	1160
165.15	81	174.05	768	184.15	303	192.90	1158
166.00	165	175.00	1680	185.05	605	194.05	326
166.95	4901	175.85	186	186.00	10346	195.00	69
167.95	2424	176.10	318	187.00	2937	196.00	2086
169.00	468	176.85	685	187.90	313	197.90	66220
170.05	56	178.90	3113	188.10	52	198.90	4940
170.65	62	179.90	1980	188.95	839	199.90	141
170.90	135	180.85	1114	189.90	96	200.10	287
171.85	501	181.90	144	190.90	367	200.45	29
172.70	130	183.60	57	191.10	113	201.00	189

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
201.50	280	210.05	353	216.95	5882	227.95	805
202.75	244	210.80	267	217.90	767	228.65	24
203.05	133	210.90	219	218.95	34	228.90	905
203.30	448	211.05	330	219.90	51	229.90	121
203.95	3206	211.85	84	220.95	3044	230.90	420
205.05	5014	212.05	22	221.60	155	231.85	100
206.00	18250	212.95	114	221.85	222	232.55	24
206.95	2542	214.55	35	222.70	124	232.95	57
208.00	818	214.95	339	223.95	10554	233.90	376
208.90	227	215.15	41	224.95	2653	234.05	132
209.90	128	215.85	223	226.95	5766	234.85	124

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
235.05	190	245.95	2151	254.95	39609	263.95	79
235.85	241	247.00	325	256.00	6116	264.35	77
236.85	226	248.10	69	257.00	104	264.95	1179
238.15	79	248.90	312	257.95	2995	265.85	64
238.95	175	249.75	25	258.90	502	267.15	20
240.00	216	250.90	86	259.65	21	267.50	20
240.85	228	251.15	34	260.35	28	267.95	48
241.90	699	251.85	142	260.80	80	268.70	26
243.95	8073	252.20	69	262.75	32	270.90	118
245.00	931	252.75	180	262.95	22	271.50	21
245.75	47	253.15	132	263.25	26	272.40	131

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
272.95	1192	280.65	40	289.60	26	301.80	54
274.05	2784	281.75	30	289.90	51	302.75	174
275.00	18500	282.05	46	290.70	26	303.00	512
275.90	2832	282.65	58	291.75	25	303.80	49
276.75	46	283.05	200	292.05	66	304.00	200
276.95	1816	283.40	22	292.90	342	307.95	128
277.80	355	283.90	46	293.95	35	308.80	90
278.95	22	284.85	288	295.95	5630	309.75	73
279.65	46	285.90	102	296.90	829	309.90	49
280.15	27	288.55	64	300.70	60	312.75	53
280.45	22	288.85	51	300.95	62	313.15	21

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
313.90	299	323.85	214	332.75	127	350.95	70
314.15	49	324.15	20	333.95	988	351.90	436
314.90	623	326.05	63	334.85	260	352.70	88
315.70	27	327.00	229	335.90	44	353.00	179
315.90	297	327.55	75	340.85	247	353.90	398
316.30	23	327.85	96	341.75	75	354.85	151
318.40	20	328.85	30	344.75	20	357.55	20
320.70	29	329.05	30	345.90	335	358.75	60
320.80	48	330.55	20	346.70	35	359.65	20
320.95	168	331.30	33	347.10	29	364.90	2258
322.95	1627	331.95	202	349.50	22	365.85	303

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
369.60	24	382.20	23	401.90	208	440.85	100
370.30	23	382.70	31	402.90	401	441.05	1232
371.10	168	382.95	176	403.95	164	441.90	38469
371.90	780	384.05	65	407.55	32	442.90	7380
372.75	27	389.75	26	414.20	23	443.90	484
372.85	59	389.95	52	414.70	23	444.80	23
373.00	91	390.95	43	421.05	267	445.50	35
374.05	20	391.85	31	421.75	98	446.00	23
375.85	22	392.55	26	422.95	2133	448.00	28
381.00	21	400.30	32	423.85	239	454.15	21
382.00	25	401.70	72	424.85	36	463.30	22

Average of 15.933 to 15.960 min.: 1129F003.D
2.5ug/mL DFTPP | SVM33-69F
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
467.45	22						
468.15	25						
495.40	23						
497.20	20						

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Level ID	File ID	Level ID	File ID
A	J:\MS06\DATA\111510\1115F009.D	G	J:\MS06\DATA\111510\1115F015.D
B	J:\MS06\DATA\111510\1115F010.D	H	J:\MS06\DATA\111510\1115F016.D
C	J:\MS06\DATA\111510\1115F011.D	I	J:\MS06\DATA\111510\1115F017.D
D	J:\MS06\DATA\111510\1115F012.D	J	J:\MS06\DATA\111510\1115F018.D
E	J:\MS06\DATA\111510\1115F013.D		
F	J:\MS06\DATA\111510\1115F014.D		

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
N-Nitrosodimethylamine										D	500	1.35	E	1000	1.41
	F	2000	1.47	G	3000	1.57	H	5000	1.67	I	7000	1.64	J	10000	1.70
Bis(2-chloroethyl) Ether				B	100	0.805	C	200	1.01	D	500	0.830	E	1000	0.940
	F	2000	1.01	G	3000	0.984	H	5000	0.979	I	7000	0.915	J	10000	0.908
‡ Phenol	A	50	1.18	B	100	1.12	C	200	1.26	D	500	1.26	E	1000	1.31
‡	F	2000	1.42	G	3000	1.40	H	5000	1.37	I	7000	1.25	J	10000	1.22
2-Chlorophenol	A	50	0.959	B	100	1.02	C	200	1.08	D	500	1.15	E	1000	1.20
	F	2000	1.27	G	3000	1.27	H	5000	1.26	I	7000	1.21	J	10000	1.21
Bis(2-chloroisopropyl) Ether	A	50	1.95	B	100	1.93	C	200	1.99	D	500	1.93	E	1000	2.03
	F	2000	2.09	G	3000	2.09	H	5000	2.04	I	7000	1.88	J	10000	1.81
Hexachloroethane				B	100	0.436	C	200	0.492	D	500	0.569	E	1000	0.610
	F	2000	0.650	G	3000	0.637	H	5000	0.638	I	7000	0.623	J	10000	0.617
† N-Nitrosodi-n-propylamine	A	50	0.800	B	100	0.826	C	200	0.776	D	500	0.799	E	1000	0.876
†	F	2000	0.910	G	3000	0.898	H	5000	0.881	I	7000	0.828	J	10000	0.823
Nitrobenzene	A	50	1.31	B	100	1.24	C	200	1.20	D	500	1.30	E	1000	1.32
	F	2000	1.37	G	3000	1.36	H	5000	1.38	I	7000	1.32	J	10000	1.32
Isophorone	A	50	0.683	B	100	0.655	C	200	0.628	D	500	0.664	E	1000	0.708
	F	2000	0.737	G	3000	0.749	H	5000	0.729	I	7000	0.704	J	10000	0.723
‡ 2-Nitrophenol	A	50	0.196	B	100	0.178	C	200	0.186	D	500	0.203	E	1000	0.225
‡	F	2000	0.233	G	3000	0.231	H	5000	0.227	I	7000	0.218	J	10000	0.225
2,4-Dimethylphenol										D	500	0.273	E	1000	0.294
	F	2000	0.312	G	3000	0.309	H	5000	0.303	I	7000	0.289	J	10000	0.289
Bis(2-chloroethoxy)methane	A	50	0.291	B	100	0.304	C	200	0.334	D	500	0.337	E	1000	0.352
	F	2000	0.364	G	3000	0.364	H	5000	0.349	I	7000	0.329	J	10000	0.333
‡ 2,4-Dichlorophenol	A	50	0.273	B	100	0.271	C	200	0.285	D	500	0.302	E	1000	0.322
‡	F	2000	0.350	G	3000	0.348	H	5000	0.338	I	7000	0.330	J	10000	0.338
Naphthalene	A	50	0.988	B	100	0.974	C	200	0.971	D	500	0.971	E	1000	1.02
	F	2000	1.07	G	3000	1.04	H	5000	1.00	I	7000	0.948	J	10000	0.980

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Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
‡ Hexachlorobutadiene	A	50	0.288	B	100	0.336	C	200	0.314	D	500	0.331	E	1000	0.336
‡	F	2000	0.357	G	3000	0.348	H	5000	0.344	I	7000	0.334	J	10000	0.349
‡ 4-Chloro-3-methylphenol	A	50	0.250	B	100	0.288	C	200	0.309	D	500	0.306	E	1000	0.324
‡	F	2000	0.356	G	3000	0.349	H	5000	0.348	I	7000	0.337	J	10000	0.342
† Hexachlorocyclopentadiene										D	500	0.433	E	1000	0.574
†	F	2000	0.690	G	3000	0.709	H	5000	0.733	I	7000	0.741	J	10000	0.742
‡ 2,4,6-Trichlorophenol	A	50	0.420	B	100	0.461	C	200	0.504	D	500	0.516	E	1000	0.531
‡	F	2000	0.555	G	3000	0.560	H	5000	0.563	I	7000	0.564	J	10000	0.553
2-Chloronaphthalene	A	50	0.457	B	100	0.497	C	200	0.565	D	500	0.564	E	1000	0.544
	F	2000	0.572	G	3000	0.572	H	5000	0.570	I	7000	0.559	J	10000	0.551
Acenaphthylene	A	50	1.61	B	100	1.83	C	200	1.89	D	500	1.96	E	1000	1.98
	F	2000	2.09	G	3000	2.07	H	5000	2.06						
Dimethyl Phthalate	A	50	1.44	B	100	1.58	C	200	1.48	D	500	1.54	E	1000	1.54
	F	2000	1.60	G	3000	1.61	H	5000	1.60	I	7000	1.58	J	10000	1.56
2,6-Dinitrotoluene	A	50	0.284	B	100	0.299	C	200	0.324	D	500	0.370	E	1000	0.368
	F	2000	0.394	G	3000	0.406	H	5000	0.403	I	7000	0.400	J	10000	0.391
‡ Acenaphthene	A	50	1.09	B	100	1.09	C	200	1.03	D	500	1.10	E	1000	1.09
‡	F	2000	1.15	G	3000	1.16	H	5000	1.14	I	7000	1.12	J	10000	1.08
† 2,4-Dinitrophenol										D	500	0.0828	E	1000	0.130
†	F	2000	0.194	G	3000	0.222	H	5000	0.251	I	7000	0.259	J	10000	0.275
† 4-Nitrophenol													E	1000	0.284
†	F	2000	0.305	G	3000	0.336	H	5000	0.339	I	7000	0.347	J	10000	0.352
2,4-Dinitrotoluene				B	100	0.404	C	200	0.444	D	500	0.500	E	1000	0.514
	F	2000	0.570	G	3000	0.559	H	5000	0.568	I	7000	0.560	J	10000	0.559
Fluorene	A	50	1.32	B	100	1.28	C	200	1.37	D	500	1.39	E	1000	1.43
	F	2000	1.50	G	3000	1.49	H	5000	1.50	I	7000	1.46	J	10000	1.45
4-Chlorophenyl Phenyl Ether	A	50	0.772	B	100	0.808	C	200	0.836	D	500	0.874	E	1000	0.879
	F	2000	0.910	G	3000	0.900	H	5000	0.912	I	7000	0.885	J	10000	0.886
Diethyl Phthalate	A	50	1.72	B	100	1.72	C	200	1.60	D	500	1.58	E	1000	1.59
	F	2000	1.66	G	3000	1.66	H	5000	1.69	I	7000	1.63	J	10000	1.62
2-Methyl-4,6-dinitrophenol													E	1000	0.273
	F	2000	0.345	G	3000	0.360	H	5000	0.391	I	7000	0.387	J	10000	0.396
‡ N-Nitrosodiphenylamine	A	50	0.919	B	100	0.842	C	200	0.940	D	500	1.05	E	1000	1.03
‡	F	2000	1.09	G	3000	1.10	H	5000	1.11	I	7000	1.08	J	10000	1.08
Azobenzene	A	50	1.45	B	100	1.51	C	200	1.48	D	500	1.56	E	1000	1.59
	F	2000	1.65	G	3000	1.66	H	5000	1.67	I	7000	1.62	J	10000	1.58

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Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
4-Bromophenyl Phenyl Ether	A	50	0.265	B	100	0.262	C	200	0.288	D	500	0.285	E	1000	0.291
	F	2000	0.312	G	3000	0.309	H	5000	0.310	I	7000	0.298	J	10000	0.298
Hexachlorobenzene	A	50	0.274	B	100	0.303	C	200	0.327	D	500	0.315	E	1000	0.314
	F	2000	0.340	G	3000	0.335	H	5000	0.335	I	7000	0.327	J	10000	0.321
‡ Pentachlorophenol										D	500	0.131	E	1000	0.166
‡	F	2000	0.199	G	3000	0.211	H	5000	0.219	I	7000	0.218	J	10000	0.220
Phenanthrene	A	50	0.934	B	100	0.949	C	200	0.998	D	500	0.995	E	1000	0.997
	F	2000	1.07	G	3000	1.04	H	5000	1.04	I	7000	1.00	J	10000	0.993
Anthracene	A	50	0.972	B	100	0.974	C	200	0.984	D	500	1.00	E	1000	1.04
	F	2000	1.12	G	3000	1.11	H	5000	1.10	I	7000	1.06	J	10000	1.05
Di-n-butyl Phthalate	A	50	1.27	B	100	1.20	C	200	1.16	D	500	1.25	E	1000	1.26
	F	2000	1.36	G	3000	1.34	H	5000	1.34	I	7000	1.28	J	10000	1.26
‡ Fluoranthene	A	50	1.07	B	100	1.12	C	200	1.18	D	500	1.22	E	1000	1.26
‡	F	2000	1.35	G	3000	1.34	H	5000	1.35	I	7000	1.30	J	10000	1.29
Pyrene	A	50	0.976	B	100	0.997	C	200	1.04	D	500	1.08	E	1000	1.11
	F	2000	1.19	G	3000	1.12	H	5000	1.10	I	7000	1.08	J	10000	1.08
Butyl Benzyl Phthalate	A	50	0.479	B	100	0.419	C	200	0.451	D	500	0.466	E	1000	0.477
	F	2000	0.518	G	3000	0.492	H	5000	0.476	I	7000	0.470	J	10000	0.460
3,3'-Dichlorobenzidine	A	50	0.341	B	100	0.346	C	200	0.374	D	500	0.414	E	1000	0.438
	F	2000	0.484	G	3000	0.474	H	5000	0.471	I	7000	0.467	J	10000	0.460
Benz(a)anthracene	A	50	0.978	B	100	0.931	C	200	0.984	D	500	1.01	E	1000	1.02
	F	2000	1.12	G	3000	1.09	H	5000	1.08	I	7000	1.07	J	10000	1.06
Chrysene	A	50	0.992	B	100	0.957	C	200	1.04	D	500	0.989	E	1000	1.06
	F	2000	1.12	G	3000	1.07	H	5000	1.04	I	7000	1.04	J	10000	1.02
Bis(2-ethylhexyl) Phthalate	A	50	0.627	B	100	0.555	C	200	0.584	D	500	0.605	E	1000	0.631
	F	2000	0.676	G	3000	0.658	H	5000	0.643	I	7000	0.640	J	10000	0.624
‡ Di-n-octyl Phthalate	A	50	0.910	B	100	0.908	C	200	0.952	D	500	1.07	E	1000	1.15
‡	F	2000	1.26	G	3000	1.25	H	5000	1.27	I	7000	1.26	J	10000	1.27
Benzo(b)fluoranthene	A	50	0.931	B	100	0.885	C	200	0.951	D	500	0.998	E	1000	1.08
	F	2000	1.15	G	3000	1.15	H	5000	1.17	I	7000	1.17	J	10000	1.25
Benzo(k)fluoranthene	A	50	0.953	B	100	1.06	C	200	1.04	D	500	1.15	E	1000	1.19
	F	2000	1.24	G	3000	1.23	H	5000	1.22	I	7000	1.21	J	10000	1.10
‡ Benzo(a)pyrene	A	50	0.786	B	100	0.735	C	200	0.796	D	500	0.842	E	1000	0.893
‡	F	2000	0.981	G	3000	0.987	H	5000	0.993	I	7000	0.992	J	10000	0.982
Indeno(1,2,3-cd)pyrene	A	50	0.663	B	100	0.707	C	200	0.697	D	500	0.748	E	1000	0.814
	F	2000	0.870	G	3000	0.872	H	5000	0.898	I	7000	0.908	J	10000	0.922

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Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Dibenz(a,h)anthracene	A	50	0.668	B	100	0.714	C	200	0.748	D	500	0.818	E	1000	0.846
	F	2000	0.921	G	3000	0.929	H	5000	0.933	I	7000	0.966	J	10000	0.963
Benzo(g,h,i)perylene	A	50	0.743	B	100	0.831	C	200	0.793	D	500	0.856	E	1000	0.908
	F	2000	0.963	G	3000	0.960	H	5000	0.958	I	7000	0.965	J	10000	0.944
2-Fluorophenol	A	50	0.748	B	100	0.803	C	200	0.896	D	500	0.950	E	1000	1.01
	F	2000	1.09	G	3000	1.11	H	5000	1.12	I	7000	1.08	J	10000	1.08
Phenol-d6	A	50	0.975	B	100	1.08	C	200	1.05	D	500	1.14	E	1000	1.18
	F	2000	1.29	G	3000	1.31	H	5000	1.26	I	7000	1.17	J	10000	1.15
Nitrobenzene-d5	A	50	1.10	B	100	1.24	C	200	1.21	D	500	1.26	E	1000	1.35
	F	2000	1.43	G	3000	1.42	H	5000	1.41	I	7000	1.36	J	10000	1.38
2-Fluorobiphenyl	A	50	1.43	B	100	1.60	C	200	1.61	D	500	1.67	E	1000	1.65
	F	2000	1.74	G	3000	1.70	H	5000	1.69	I	7000	1.69	J	10000	1.66
2,4,6-Tribromophenol				B	100	0.136	C	200	0.158	D	500	0.163	E	1000	0.174
	F	2000	0.189	G	3000	0.188	H	5000	0.189	I	7000	0.187	J	10000	0.186
Terphenyl-d14	A	50	0.684	B	100	0.754	C	200	0.763	D	500	0.773	E	1000	0.802
	F	2000	0.870	G	3000	0.823	H	5000	0.820	I	7000	0.795	J	10000	0.805
‡ 1,4-Dichlorobenzene	A	50	1.48	B	100	1.34	C	200	1.48	D	500	1.48	E	1000	1.50
‡	F	2000	1.59	G	3000	1.51	H	5000	1.54	I	7000	1.46	J	10000	1.48

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Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

		Calibration Evaluation					RRF Evaluation		
Analyte Name	Compound Type	Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
N-Nitrosodimethylamine	TRG	AverageRF	% RSD	8.7		≤ 15	1.54		0.01
Bis(2-chloroethyl) Ether	TRG	AverageRF	% RSD	8.1		≤ 15	0.932		0.01
‡ Phenol	MS	AverageRF	% RSD	7.6		≤ 15	1.28		0.01
2-Chlorophenol	MS	AverageRF	% RSD	9.5		≤ 15	1.16		0.01
Bis(2-chloroisopropyl) Ether	TRG	AverageRF	% RSD	4.6		≤ 15	1.97		0.01
Hexachloroethane	TRG	AverageRF	% RSD	12.6		≤ 15	0.586		0.01
† N-Nitrosodi-n-propylamine	MS	AverageRF	% RSD	5.5		≤ 15	0.842		0.05
Nitrobenzene	TRG	AverageRF	% RSD	4.2		≤ 15	1.31		0.01
Isophorone	TRG	AverageRF	% RSD	5.6		≤ 15	0.698		0.01
‡ 2-Nitrophenol	TRG	AverageRF	% RSD	9.4		≤ 15	0.212		0.01
2,4-Dimethylphenol	TRG	AverageRF	% RSD	4.6		≤ 15	0.296		0.01
Bis(2-chloroethoxy)methane	TRG	AverageRF	% RSD	7.1		≤ 15	0.336		0.01
‡ 2,4-Dichlorophenol	TRG	AverageRF	% RSD	9.7		≤ 15	0.316		0.01
Naphthalene	TRG	AverageRF	% RSD	3.6		≤ 15	0.996		0.01
‡ Hexachlorobutadiene	TRG	AverageRF	% RSD	6.0		≤ 15	0.334		0.01
‡ 4-Chloro-3-methylphenol	MS	AverageRF	% RSD	10.4		≤ 15	0.321		0.01
† Hexachlorocyclopentadiene	TRG	Quadratic(0,0)	COD	0.999		≥ 0.990	0.660		0.05
‡ 2,4,6-Trichlorophenol	TRG	AverageRF	% RSD	9.3		≤ 15	0.523		0.01
2-Chloronaphthalene	TRG	AverageRF	% RSD	7.0		≤ 15	0.545		0.01
Acenaphthylene	TRG	AverageRF	% RSD	8.3		≤ 15	1.94		0.01
Dimethyl Phthalate	TRG	AverageRF	% RSD	3.5		≤ 15	1.55		0.01
2,6-Dinitrotoluene	TRG	AverageRF	% RSD	12.5		≤ 15	0.364		0.01
‡ Acenaphthene	MS	AverageRF	% RSD	3.4		≤ 15	1.11		0.01
† 2,4-Dinitrophenol	TRG	Quadratic(0,0)	COD	0.997		≥ 0.990	0.202		0.05
† 4-Nitrophenol	MS	AverageRF	% RSD	8.2		≤ 15	0.327		0.05
2,4-Dinitrotoluene	MS	AverageRF	% RSD	11.6		≤ 15	0.520		0.01
Fluorene	TRG	AverageRF	% RSD	5.5		≤ 15	1.42		0.01
4-Chlorophenyl Phenyl Ether	TRG	AverageRF	% RSD	5.4		≤ 15	0.866		0.01
Diethyl Phthalate	TRG	AverageRF	% RSD	3.0		≤ 15	1.65		0.01
2-Methyl-4,6-dinitrophenol	TRG	AverageRF	% RSD	12.9		≤ 15	0.358		0.01
‡ N-Nitrosodiphenylamine	TRG	AverageRF	% RSD	9.0		≤ 15	1.02		0.01
Azobenzene	TRG	AverageRF	% RSD	4.9		≤ 15	1.58		0.01
4-Bromophenyl Phenyl Ether	TRG	AverageRF	% RSD	6.0		≤ 15	0.292		0.01
Hexachlorobenzene	TRG	AverageRF	% RSD	6.1		≤ 15	0.319		0.01
‡ Pentachlorophenol	MS	Quadratic(0,0)	COD	0.999		≥ 0.990	0.195		0.01
Phenanthrene	TRG	AverageRF	% RSD	4.1		≤ 15	1.00		0.01
Anthracene	TRG	AverageRF	% RSD	5.4		≤ 15	1.04		0.01
Di-n-butyl Phthalate	TRG	AverageRF	% RSD	5.0		≤ 15	1.27		0.01
‡ Fluoranthene	TRG	AverageRF	% RSD	8.0		≤ 15	1.25		0.01
Pyrene	MS	AverageRF	% RSD	5.7		≤ 15	1.08		0.01
Butyl Benzyl Phthalate	TRG	AverageRF	% RSD	5.5		≤ 15	0.471		0.01
3,3'-Dichlorobenzidine	TRG	AverageRF	% RSD	12.9		≤ 15	0.427		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010

Initial Calibration Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration ID: CAL10053
Instrument ID: MS06

Column: MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Benz(a)anthracene	TRG	AverageRF	% RSD	5.8		≤ 15	1.03		0.01
Chrysene	TRG	AverageRF	% RSD	4.4		≤ 15	1.03		0.01
Bis(2-ethylhexyl) Phthalate	TRG	AverageRF	% RSD	5.7		≤ 15	0.624		0.01
‡ Di-n-octyl Phthalate	TRG	AverageRF	% RSD	13.8		≤ 15	1.13		0.01
Benzo(b)fluoranthene	TRG	AverageRF	% RSD	11.5		≤ 15	1.07		0.01
Benzo(k)fluoranthene	TRG	AverageRF	% RSD	8.6		≤ 15	1.14		0.01
‡ Benzo(a)pyrene	TRG	AverageRF	% RSD	11.3		≤ 15	0.899		0.01
Indeno(1,2,3-cd)pyrene	TRG	AverageRF	% RSD	12.1		≤ 15	0.810		0.01
Dibenz(a,h)anthracene	TRG	AverageRF	% RSD	12.8		≤ 15	0.851		0.01
Benzo(g,h,i)perylene	TRG	AverageRF	% RSD	9.1		≤ 15	0.892		0.01
2-Fluorophenol	SURR	AverageRF	% RSD	13.6		≤ 15	0.989		0.01
Phenol-d6	SURR	AverageRF	% RSD	9.2		≤ 15	1.16		0.01
Nitrobenzene-d5	SURR	AverageRF	% RSD	8.4		≤ 15	1.32		0.01
2-Fluorobiphenyl	SURR	AverageRF	% RSD	5.2		≤ 15	1.64		0.01
2,4,6-Tribromophenol	SURR	AverageRF	% RSD	10.7		≤ 15	0.175		0.01
Terphenyl-d14	SURR	AverageRF	% RSD	6.3		≤ 15	0.789		0.01
‡ 1,4-Dichlorobenzene	MS	AverageRF	% RSD	4.4		≤ 15	1.49		0.01

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010
Date Analyzed: 11/15/2010 - 11/16/2010

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration ID: CAL10053
Units: ng/ml

File ID: J:\MS06\DATA\111510\1115F019.D
J:\MS06\DATA\111510\1115F021.D
J:\MS06\DATA\111510\1115F022.D

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
N-Nitrosodimethylamine	3000	3000	1.54	1.54	0	NA	± 30 %	AverageRF
Bis(2-chloroethyl) Ether	3000	2900	0.932	0.899	-4	NA	± 30 %	AverageRF
‡ Phenol	3000	3200	1.28	1.34	5	NA	± 20 %	AverageRF
2-Chlorophenol	3000	3200	1.16	1.23	6	NA	± 30 %	AverageRF
Bis(2-chloroisopropyl) Ether	3000	2800	1.97	1.86	-6	NA	± 30 %	AverageRF
Hexachloroethane	3000	3100	0.586	0.601	3	NA	± 30 %	AverageRF
† N-Nitrosodi-n-propylamine	3000	2800	0.842	0.788	-6	NA	± 30 %	AverageRF
Nitrobenzene	3000	2900	1.31	1.28	-2	NA	± 30 %	AverageRF
Isophorone	3000	2900	0.698	0.664	-5	NA	± 30 %	AverageRF
‡ 2-Nitrophenol	3000	3200	0.212	0.228	7	NA	± 20 %	AverageRF
2,4-Dimethylphenol	3000	2800	0.296	0.278	-6	NA	± 30 %	AverageRF
Bis(2-chloroethoxy)methane	3000	3000	0.336	0.334	0	NA	± 30 %	AverageRF
‡ 2,4-Dichlorophenol	3000	3300	0.316	0.346	10	NA	± 20 %	AverageRF
Naphthalene	3000	2900	0.996	0.962	-3	NA	± 30 %	AverageRF
‡ Hexachlorobutadiene	3000	2900	0.334	0.321	-4	NA	± 20 %	AverageRF
‡ 4-Chloro-3-methylphenol	3000	3300	0.321	0.352	10	NA	± 20 %	AverageRF
† Hexachlorocyclopentadiene	5000	5000	0.660	0.719	NA	0	± 30 %	Quadratic(
‡ 2,4,6-Trichlorophenol	3000	3200	0.523	0.556	6	NA	± 20 %	AverageRF
2-Chloronaphthalene	3000	2900	0.545	0.529	-3	NA	± 30 %	AverageRF
Acenaphthylene	3000	2400	1.94	1.55	-20	NA	± 30 %	AverageRF
Dimethyl Phthalate	3000	3000	1.55	1.54	-1	NA	± 30 %	AverageRF
2,6-Dinitrotoluene	3000	3200	0.364	0.392	8	NA	± 30 %	AverageRF
‡ Acenaphthene	3000	3000	1.11	1.09	-2	NA	± 20 %	AverageRF
† 2,4-Dinitrophenol	3000	3100	0.202	0.230	NA	2	± 30 %	Quadratic(
† 4-Nitrophenol	3000	3200	0.327	0.347	6	NA	± 30 %	AverageRF
2,4-Dinitrotoluene	3000	3000	0.520	0.516	-1	NA	± 30 %	AverageRF
Fluorene	3000	3000	1.42	1.43	1	NA	± 30 %	AverageRF
4-Chlorophenyl Phenyl Ether	3000	2900	0.866	0.844	-3	NA	± 30 %	AverageRF
Diethyl Phthalate	3000	2800	1.65	1.55	-6	NA	± 30 %	AverageRF
2-Methyl-4,6-dinitrophenol	3000	3200	0.358	0.380	6	NA	± 30 %	AverageRF
‡ N-Nitrosodiphenylamine	3000	2800	1.02	0.968	-5	NA	± 20 %	AverageRF
Azobenzene	3000	2900	1.58	1.55	-2	NA	± 30 %	AverageRF
4-Bromophenyl Phenyl Ether	3000	3000	0.292	0.293	0	NA	± 30 %	AverageRF
Hexachlorobenzene	3000	3000	0.319	0.315	-1	NA	± 30 %	AverageRF
‡ Pentachlorophenol	3000	3100	0.195	0.215	NA	2	± 20 %	Quadratic(
Phenanthrene	3000	3000	1.00	1.00	0	NA	± 30 %	AverageRF
Anthracene	3000	3000	1.04	1.04	-1	NA	± 30 %	AverageRF
Di-n-butyl Phthalate	3000	2900	1.27	1.23	-3	NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Calibration Date: 11/15/2010
Date Analyzed: 11/15/2010 - 11/16/2010

Second Source Calibration Verification
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration ID: CAL10053
Units: ng/ml

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
‡ Fluoranthene	3000	3000	1.25	1.25	0	NA	± 30 %	AverageRF
Pyrene	3000	3000	1.08	1.08	0	NA	± 30 %	AverageRF
Butyl Benzyl Phthalate	3000	2900	0.471	0.462	-2	NA	± 30 %	AverageRF
3,3'-Dichlorobenzidine	3000	3200	0.427	0.455	7	NA	± 30 %	AverageRF
Benz(a)anthracene	3000	2900	1.03	1.00	-3	NA	± 30 %	AverageRF
Chrysene	3000	3000	1.03	1.02	-1	NA	± 30 %	AverageRF
Bis(2-ethylhexyl) Phthalate	3000	3000	0.624	0.619	-1	NA	± 30 %	AverageRF
‡ Di-n-octyl Phthalate	3000	3200	1.13	1.19	6	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	3000	2900	1.07	1.03	-4	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	3000	3000	1.14	1.13	-1	NA	± 30 %	AverageRF
‡ Benzo(a)pyrene	3000	3500	0.899	1.04	16	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	3000	3100	0.810	0.838	3	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	3000	3100	0.851	0.885	4	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	3000	3000	0.892	0.892	0	NA	± 30 %	AverageRF
‡ 1,4-Dichlorobenzene	3000	2800	1.49	1.40	-6	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

Injection Log

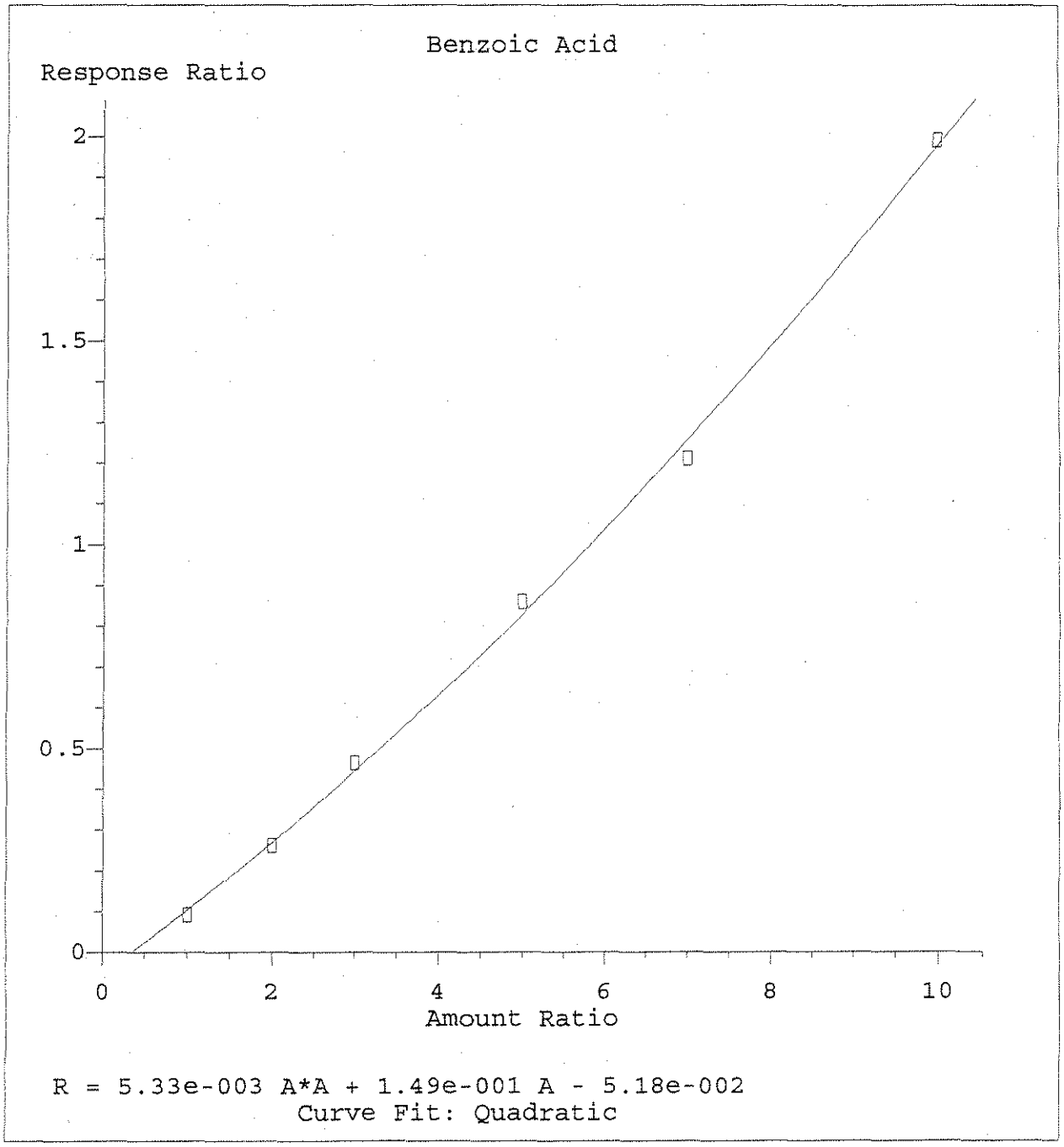
Directory: J:\MS06\DATA\111510

ine	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
	1	1115F001.D	1.	Primer		15 Nov 2010 10:4
	1	1115F002.D	1.	Primer	NR	15 Nov 2010 11:1
	2	1115F003.D	1.	Primer		15 Nov 2010 11:5
	3	1115F004.D	1.	2.5ug/mL DFTPP | SVM33-62C	NR	15 Nov 2010 12:5
	3	1115F005.D	1.	2.5ug/mL DFTPP | SVM33-62C	New Tune	15 Nov 2010 13:4
	3	1115F006.D	1.	2.5ug/mL DFTPP | SVM33-62C		15 Nov 2010 14:3
	3	1115F007.D	1.	2.5ug/mL DFTPP | SVM33-62C	OK	15 Nov 2010 15:1
	4	1115F008.D	1.	IB		15 Nov 2010 15:5
	5	1115F009.D	1.	0.05ug/mL ICAL SVO_LL | SVM33-63A		15 Nov 2010 16:3
0	6	1115F010.D	1.	0.10ug/mL ICAL SVO_LL | SVM33-63B		15 Nov 2010 17:0
1	7	1115F011.D	1.	0.20ug/mL ICAL SVO_LL | SVM33-63C		15 Nov 2010 17:4
2	8	1115F012.D	1.	0.50ug/mL ICAL SVO_LL | SVM33-63D		15 Nov 2010 18:2
3	9	1115F013.D	1.	1.0ug/mL ICAL SVO_LL | SVM33-63E		15 Nov 2010 19:0
4	10	1115F014.D	1.	2.0ug/mL ICAL SVO_LL | SVM33-63F		15 Nov 2010 19:3
5	11	1115F015.D	1.	3.0ug/mL ICAL SVO_LL | SVM33-63G		15 Nov 2010 20:1
6	12	1115F016.D	1.	5.0ug/mL ICAL SVO_LL | SVM33-63H		15 Nov 2010 20:5
7	13	1115F017.D	1.	7.0ug/mL ICAL SVO_LL | SVM33-63I		15 Nov 2010 21:3
8	14	1115F018.D	1.	10ug/mL ICAL SVO_LL | SVM33-63J		15 Nov 2010 22:0
9	15	1115F019.D	1.	3.0ug/mL ICV SVO_LL | SVM33-50C		15 Nov 2010 22:4
0	16	1115F020.D	1.	3.0ug/mL Ace. ICV SVO_LL | SVM33-61B	NR Not needed	15 Nov 2010 23:2
1	17	1115F021.D	1.	3.0ug/mL CLP ICV SVO_LL | SVM33-27C		16 Nov 2010 00:0
2	18	1115F022.D	1.	5.0ug/mL HCCPD ICV SVO_LL | SVM33-54D		16 Nov 2010 00:3

CAL10053

KB
NOV 16 2010

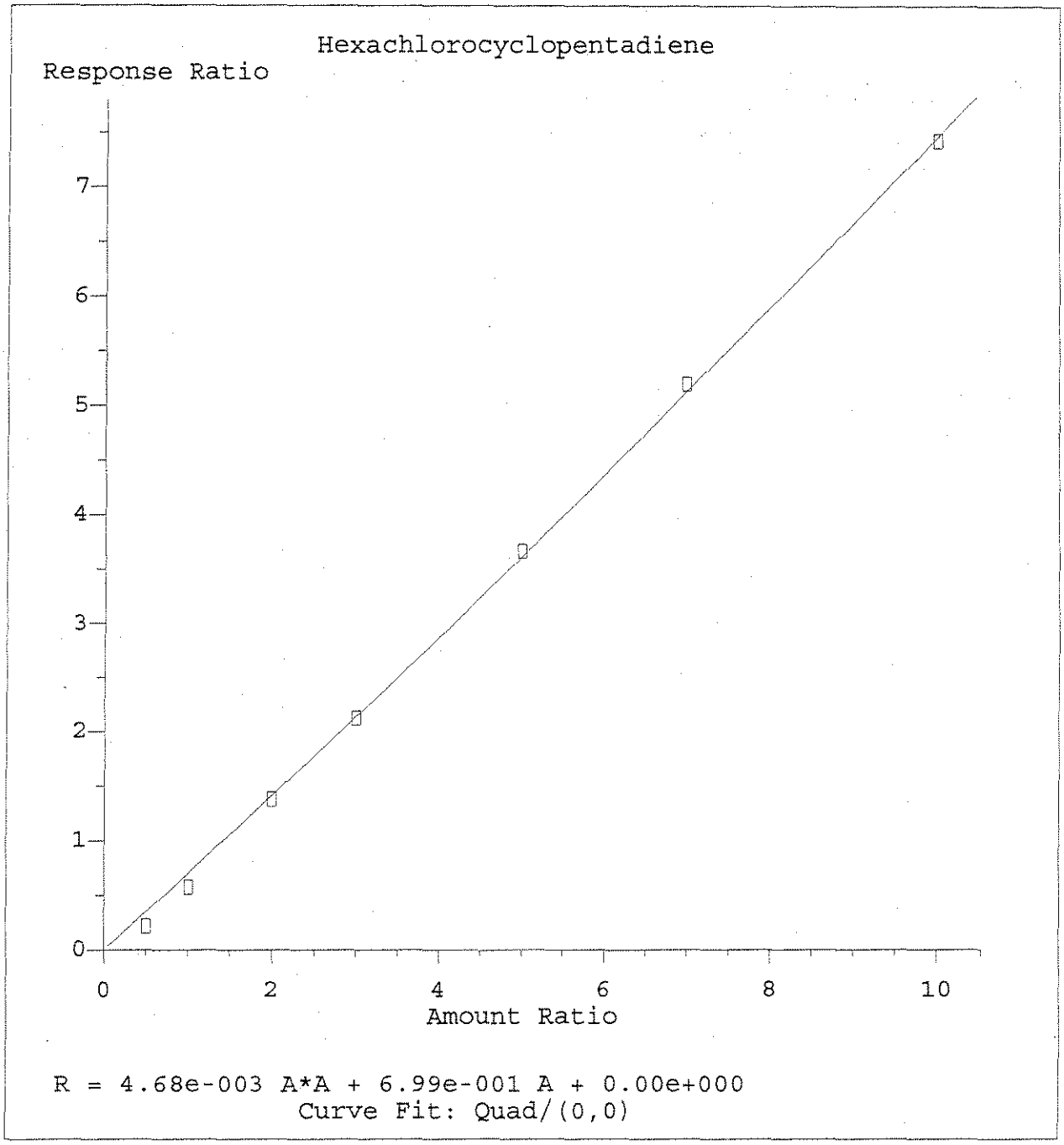
CH 11·17·10



Method Name: J:\MS06\METHODS\BNA\111510_BNLL.M
Calibration Table Last Updated: Tue Nov 16 08:56:12 2010

LB
NOV 16 2010

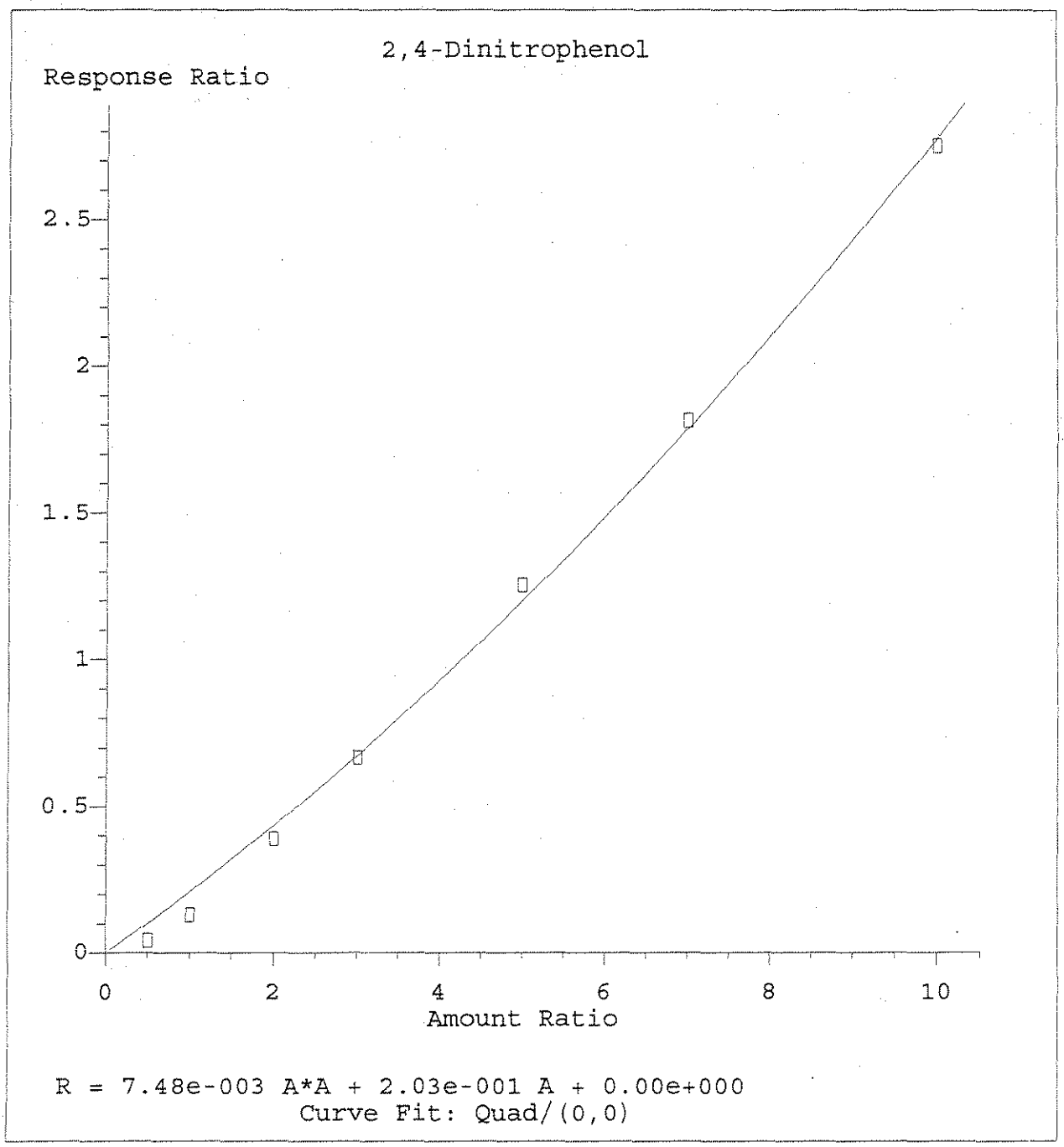
CH 11·17·10



Method Name: J:\MS06\METHODS\BNA\111510_BNLL.M
Calibration Table Last Updated: Tue Nov 16 08:56:12 2010

NOV 16 2010

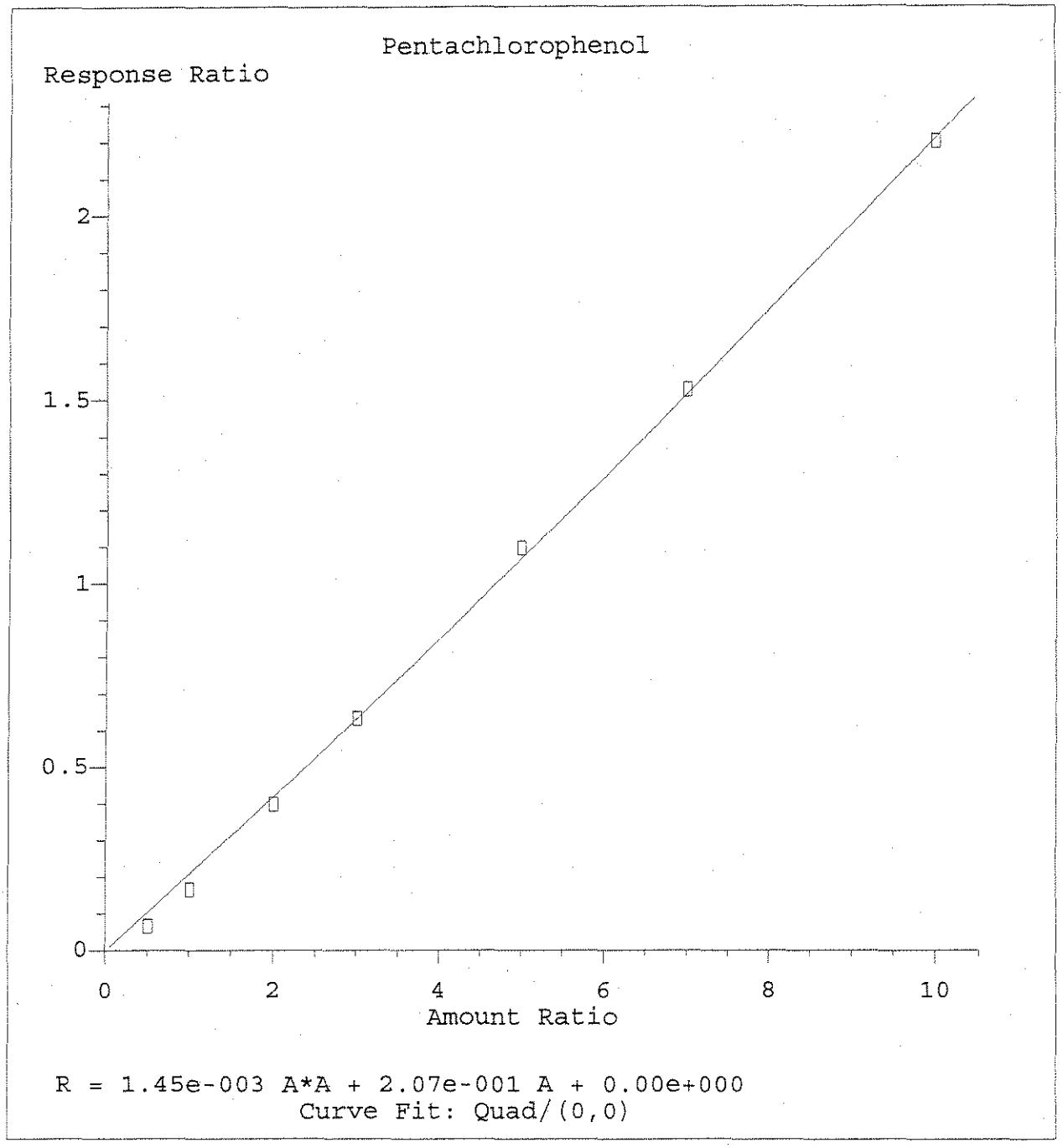
CH 11.17.10



Method Name: J:\MS06\METHODS\BNA\111510_BNLL.M
Calibration Table Last Updated: Tue Nov 16 08:56:12 2010

NOV 16 2010

CH 11-17-10



Method Name: J:\MS06\METHODS\BNA\111510_BNLL.M
Calibration Table Last Updated: Tue Nov 16 08:56:12 2010

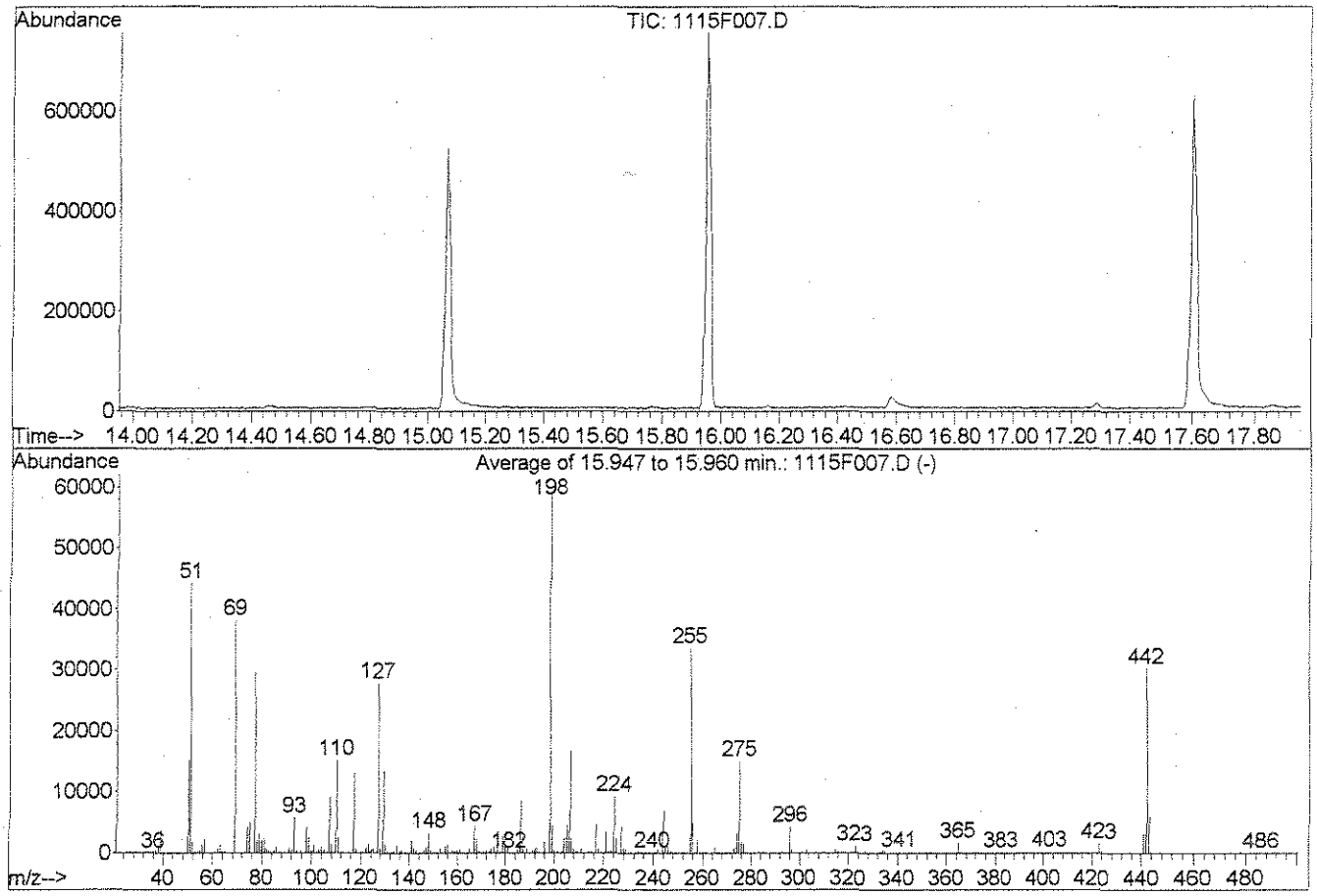
NOV 16 2010

CH 11.17.10

DFTPP

Data File : J:\MS06\DATA\111510\1115F007.D
Acq On : 15 Nov 2010 3:16 pm
Sample : 2.5ug/mL DFTPP | SVM33-62C
Misc :
MS Integration Params: RTEINT.P
Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00



AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1619

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	74.7	44189	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	64.4	38117	PASS
70	69	0.00	2	0.4	136	PASS
127	198	25	75	47.0	27808	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	59157	PASS
199	198	5	9	7.7	4572	PASS
275	198	10	30	25.5	15078	PASS
365	198	0.75	100	2.8	1679	PASS
441	443	0.01	100	51.4	3109	PASS
442	198	40	110	51.3	30329	PASS
443	442	15	24	19.9	6044	PASS

1115F007.D 111510_BNLL.M Tue Nov 16 08:32:19 2010

NOV 16 2010
CH 11-17-10

verage of 15.947 to 15.960 min.: 1115F007.D
.5ug/mL DFTPP | SVM33-62C
lodified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	67	48.00	36	59.85	35	70.05	136
37.00	494	50.00	15159	60.90	175	71.85	65
37.95	1148	51.00	44189	61.95	645	73.05	171
38.95	3709	52.00	1870	62.95	1383	74.00	4211
39.90	249	53.00	235	63.70	70	75.05	5033
40.90	138	54.05	83	63.95	229	77.00	29632
41.95	51	54.90	397	65.00	341	78.00	1968
44.10	266	55.95	1358	65.80	48	79.00	3296
44.75	50	56.95	2300	66.40	56	80.00	1998
46.50	35	57.85	54	67.15	152	81.00	2370
47.70	37	58.45	54	68.95	38117	81.95	652

verage of 15.947 to 15.960 min.: 1115F007.D
.5ug/mL DFTPP | SVM33-62C
lodified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
82.95	412	93.95	359	104.75	45	117.90	791
83.90	47	94.90	85	104.95	561	118.85	32
84.85	310	95.95	312	107.00	9123	119.75	44
85.05	151	96.90	48	107.95	1549	120.05	54
85.95	967	98.00	4283	109.95	15214	120.65	40
86.85	109	99.00	2588	110.95	2577	120.95	35
87.05	174	99.90	282	111.85	152	121.95	807
87.95	127	100.95	1230	112.20	146	123.00	1340
91.00	740	102.05	40	112.95	127	123.75	160
91.90	537	102.90	519	115.10	84	124.05	499
92.95	5795	103.95	917	116.95	13157	124.95	642

verage of 15.947 to 15.960 min.: 1115F007.D
.5ug/mL DFTPP | SVM33-62C
lodified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
127.00	27808	136.00	409	147.95	3344	155.95	1380
128.00	879	136.95	551	148.85	453	156.90	174
128.95	13539	138.05	132	149.95	145	157.90	456
129.95	1441	138.90	91	150.95	284	158.95	356
130.95	300	140.10	125	151.65	83	159.85	560
131.60	36	140.90	2230	151.95	65	160.80	125
131.90	51	141.95	765	152.15	84	161.00	648
132.80	150	142.95	543	152.95	713	161.95	232
133.65	206	144.90	79	153.95	280	162.90	94
133.90	266	146.00	432	154.25	73	164.05	84
134.90	1300	147.05	982	154.95	1069	164.90	790

verage of 15.947 to 15.960 min.: 1115F007.D
.5ug/mL DFTPP | SVM33-62C
odified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
166.95	4446	174.00	714	183.15	50	191.80	176
167.95	2309	174.95	1082	183.35	40	192.00	652
168.95	363	175.85	304	183.75	76	193.00	1016
169.75	71	176.10	99	185.05	530	194.00	237
169.90	143	176.85	689	186.00	8463	195.90	1874
170.45	57	177.85	247	186.95	2565	197.85	59157
170.65	82	178.95	2784	187.95	164	198.90	4572
171.05	92	179.85	1703	188.85	706	200.00	366
171.90	415	180.95	762	189.85	153	201.40	349
173.00	194	181.85	88	190.75	46	202.15	95
173.80	231	182.75	72	191.10	290	203.05	236

NOV 16 2010

CH 11-17-10

verage of 15.947 to 15.960 min.: 1115F007.D
.5ug/mL DFTPP | SVM33-62C
lodified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
203.95	2452	217.90	643	229.95	77	239.80	125
205.00	4566	218.85	37	230.95	370	240.85	236
206.00	16635	219.25	37	231.85	48	241.90	561
206.90	2415	220.90	3391	233.90	315	243.90	6958
207.90	722	221.80	257	234.90	246	244.90	1103
208.90	216	223.00	354	235.75	301	245.75	255
209.75	151	223.95	9316	236.70	121	245.95	1437
210.95	707	224.95	2434	236.95	175	246.90	325
212.95	41	226.90	4402	238.60	49	247.95	86
214.95	214	227.95	727	238.80	113	248.65	41
216.90	4637	228.90	799	239.20	56	248.85	191

verage of 15.947 to 15.960 min.: 1115F007.D
.5ug/mL DFTPP | SVM33-62C
lodified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
250.05	44	262.85	47	276.90	1417	294.05	46
250.75	48	263.65	53	277.90	132	295.95	4324
251.15	41	264.90	944	278.95	43	296.85	512
252.70	200	265.85	180	281.85	48	298.05	59
254.90	33608	268.10	34	282.75	39	300.90	82
255.90	4947	270.90	77	283.05	184	301.90	47
257.90	2244	272.85	721	283.90	178	302.90	522
258.80	224	273.10	530	284.95	206	303.80	147
259.00	166	274.05	3279	290.80	40	307.55	43
259.95	40	275.00	15078	291.80	92	309.80	82
260.55	36	275.95	1814	292.80	321	310.95	34

verage of 15.947 to 15.960 min.: 1115F007.D
.5ug/mL DFTPP | SVM33-62C
odified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
312.75	54	330.15	34	351.90	250	383.90	37
313.90	174	332.00	44	352.85	241	389.65	34
314.90	653	333.00	189	353.95	410	390.95	36
315.90	359	333.95	677	354.85	40	401.80	191
320.70	58	334.85	321	364.80	1679	402.85	236
321.00	53	335.90	38	365.85	219	403.85	45
322.90	1179	340.90	261	370.85	129	414.70	48
323.80	261	342.05	39	371.90	545	420.80	152
326.35	41	345.75	77	372.80	169	422.90	1605
326.80	276	345.90	142	382.20	45	423.90	420
327.80	84	351.70	66	382.85	114	440.95	3109

verage of 15.947 to 15.960 min.: 1115F007.D
.5ug/mL DFTPP | SVM33-62C
odified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
441.90	30329						
442.90	6044						
443.80	244						
444.00	194						
486.05	49						

LB
NOV 16 2010

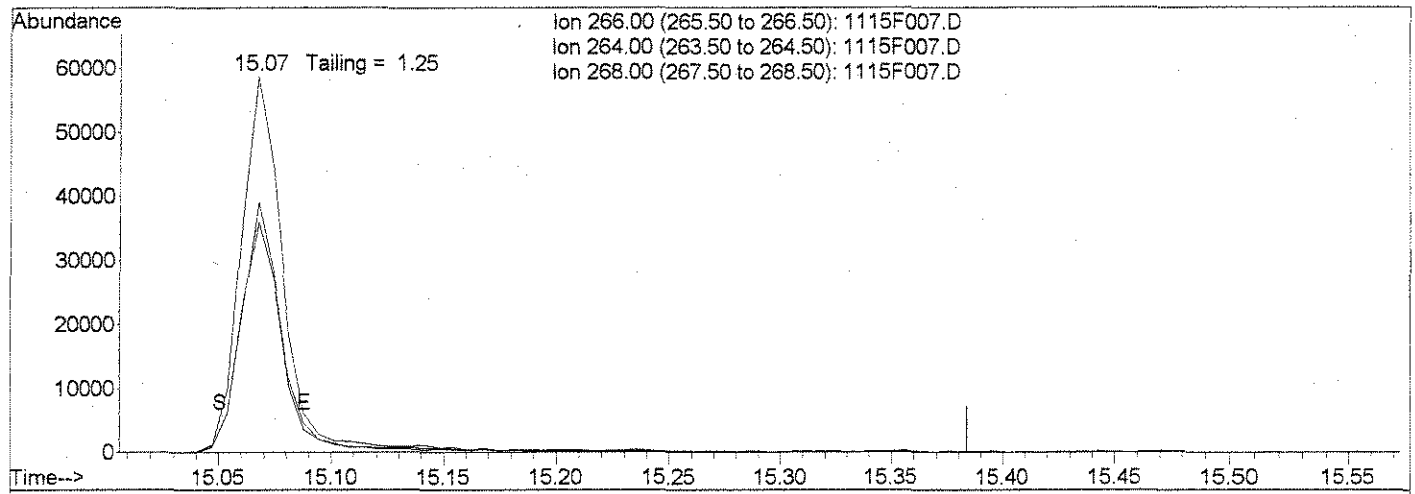
CH 11.17.10

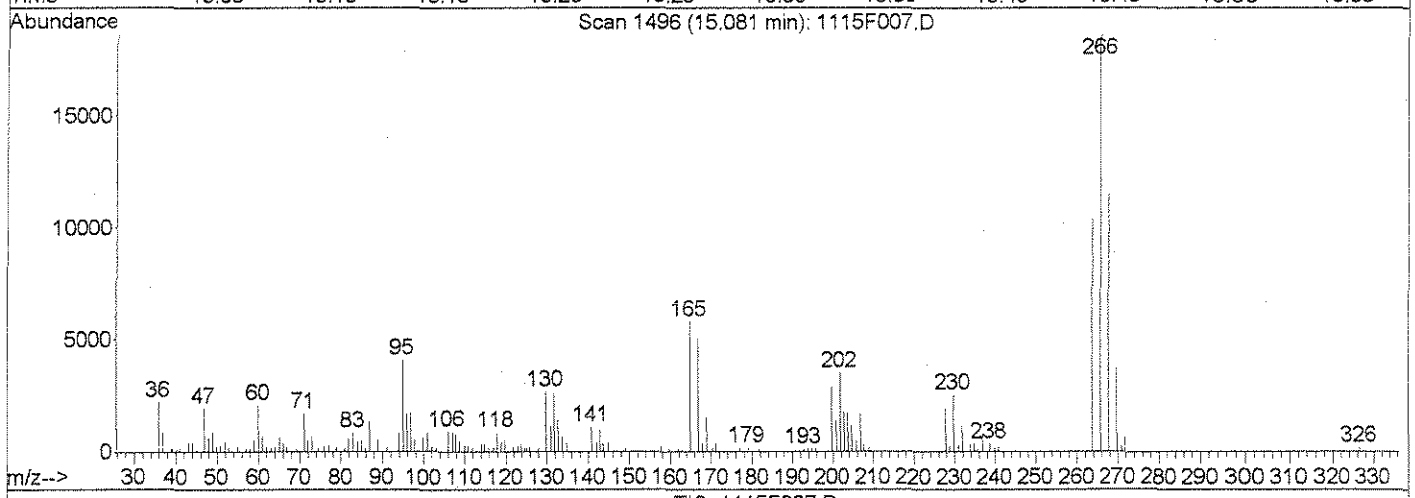
Quantitation Report

Data File : J:\MS06\DATA\111510\1115F007.D
Acq On : 15 Nov 2010 3:16 pm
Sample : 2.5ug/mL DFTPP | SVM33-62C
Misc :
MS Integration Params: RTEINT.P

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration





TIC: 1115F007.D

(64) Pentachlorophenol

Exp R.T. 15.08min

response 0

Ion	Exp%	Act%
266.00	100	100
264.00	65.10	55.62
268.00	64.80	61.98
0.00	0.00	0.00

LB
NOV 16 2010

CH 11.17.10

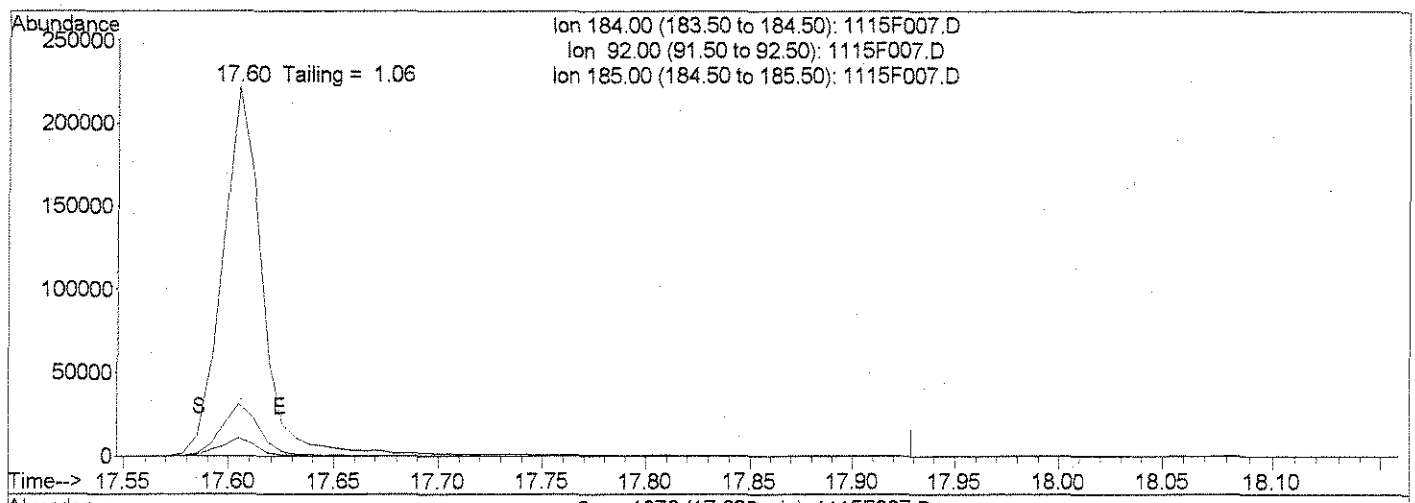
1115F007.D 111510_BNLL.M Tue Nov 16 08:32:34 2010

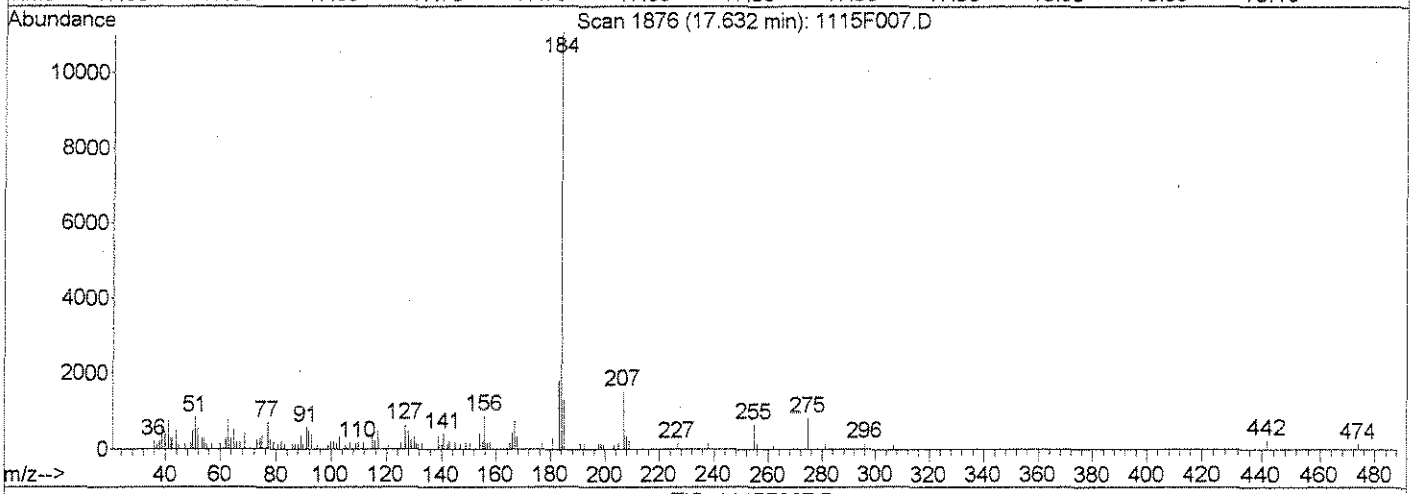
Quantitation Report

Data File : J:\MS06\DATA\111510\1115F007.D
Acq On : 15 Nov 2010 3:16 pm
Sample : 2.5ug/mL DFTPP | SVM33-62C
Misc :
MS Integration Params: RTEINT.P

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration





TIC: 1115F007.D

(71) Benzidine

Exp R.T. 17.63min

response 0

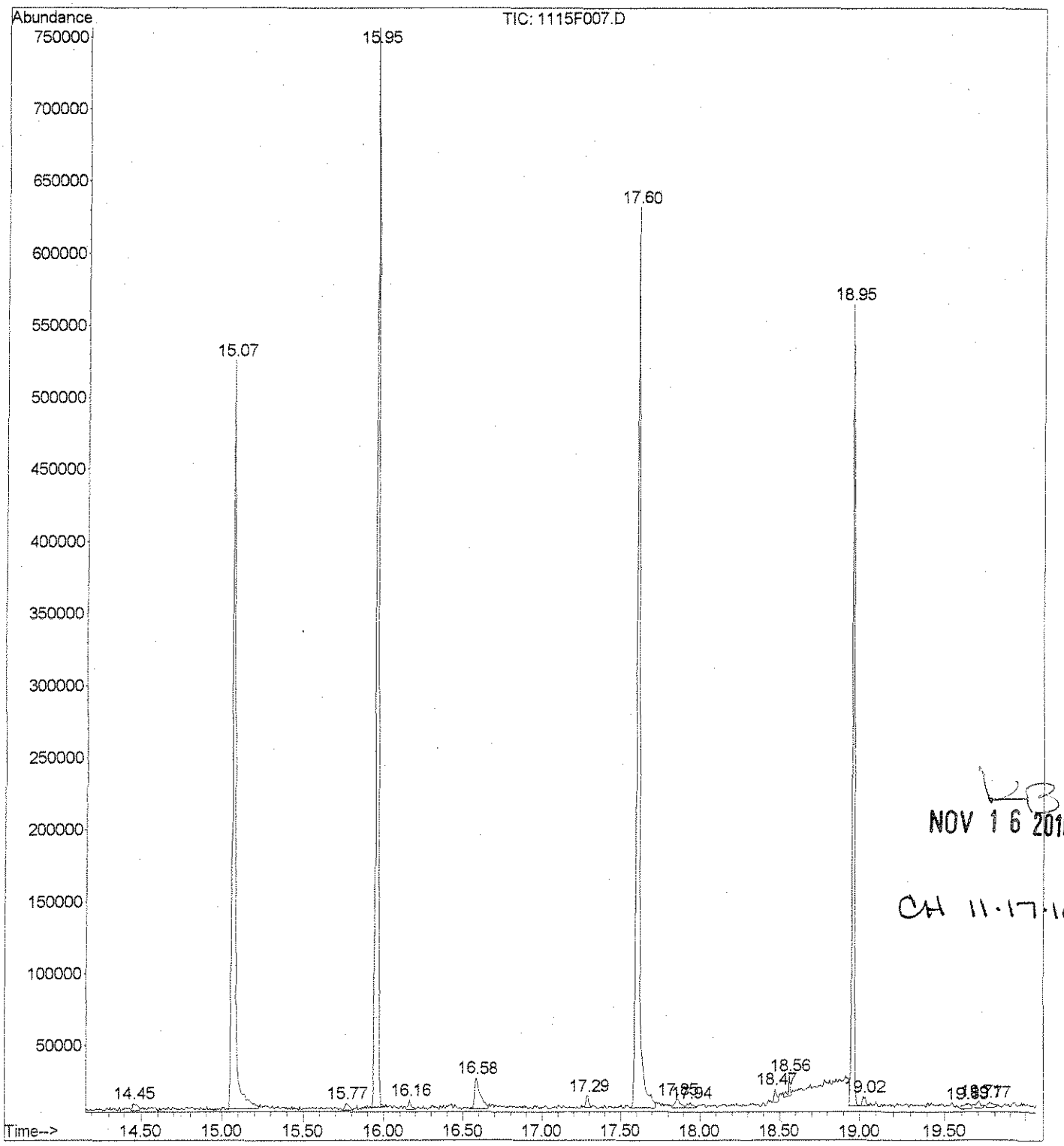
Ion	Exp%	Act%
184.00	100	100
92.00	7.20	4.33
185.00	13.80	11.93
0.00	0.00	0.00

NOV 16 2010

CH 11.17.10

1115F007.D 111510_BNLL.M Tue Nov 16 08:32:46 2010

File : J:\MS06\DATA\111510\1115F007.D
Operator : KBailey
Acquired : 15 Nov 2010 3:16 pm using AcqMethod BNALL
Instrument : MS06
Sample Name: 2.5ug/mL DFTPP | SVM33-62C
Misc Info :
Vial Number: 3



LB
NOV 16 2010

CH 11.17.10

1	6.374	rVB	0.114		12507	6.314	6.428	
2	8.509	rBV	0.128		42539	8.455	8.583	
3	8.885	rBV	0.047		9235	8.858	8.905	
4	10.610	rBV	0.087		11106	10.583	10.671	
5	10.879	rBV	0.087		9530	10.832	10.919	
6	11.107	rVB	0.060		8588	11.080	11.140	
7	11.711	rBV	0.081		9854	11.651	11.731	
8	13.523	rBV	0.060		10323	13.477	13.537	
9	14.450	rBV	0.047		9862	14.443	14.490	
10	15.067	rBV	0.201		690477	15.027	15.229	
11	15.766	rBV	0.067		8737	15.739	15.806	
12	15.954	rVB	0.087		831401	15.920	16.007	
13	16.162	rVB	0.060		8181	16.142	16.202	
14	16.585	rBV	0.114		52694	16.544	16.658	
15	17.289	rVB	0.047		10449	17.269	17.316	
16	17.605	rBV	0.161		846319	17.558	17.719	
17	17.853	rVB	0.081		14991	17.826	17.907	
18	17.941	rBV	0.074		8236	17.907	17.981	
19	18.471	rBV	0.040		10964	18.451	18.491	
20	18.558	rVV	0.047		12132	18.525	18.572	
21	18.954	rVB	0.067	DDT	492393	18.934	19.001	Breakdown
22	19.021	rBV	0.060		9739	19.001	19.062	
23	19.626	rBV	0.067		11806	19.592	19.659	
24	19.706	rVV	0.054		8601	19.679	19.733	< 20%
25	19.766	rVV	0.067		8709	19.746	19.813	
26	21.042	rBV	0.067		11071	21.022	21.089	
27	25.338	rBV	0.074		8170	25.278	25.352	
28	26.855	rBV	0.060		8868	26.815	26.875	
29	27.278	rBV	0.054		8956	27.258	27.312	
30	27.755	rBV	0.060		8166	27.715	27.775	

LB

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F008.D Vial: 4
Acq On : 15 Nov 2010 3:54 pm Operator: KBailey
Sample : IB Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 09:04:19 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	59812	1000.00 ng/ml	0.00
22) Naphthalene-d8	10.14	136	183614	1000.00 ng/ml	-0.01
36) Acenaphthene-d10	12.94	164	95760	1000.00 ng/ml	0.00
60) Phenanthrene-d10	15.35	188	184035	1000.00 ng/ml	-0.01
70) Chrysene-d12	19.70	240	211145	1000.00 ng/ml	-0.02
79) Perylene-d12	23.13	264	188114	1000.00 ng/ml	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00 ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.00%#		
6) Phenol-d6	0.00	99	0	0.00 ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery = 0.00%#		
20) Nitrobenzene-d5	0.00	82	0	0.00 ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery = 0.00%#		
40) 2-Fluorobiphenyl	0.00	172	0	0.00 ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery = 0.00%#		
61) 2,4,6-Tribromophenol	0.00	330	0	0.00 ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.00%#		
73) Terphenyl-d14	0.00	244	0	0.00 ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery = 0.00%#		

Target Compounds					Qvalue
55) Diethyl Phthalate	13.74	149	1305m	8.27 ng/ml	

LB
NOV 16 2010

CH 11.17.10

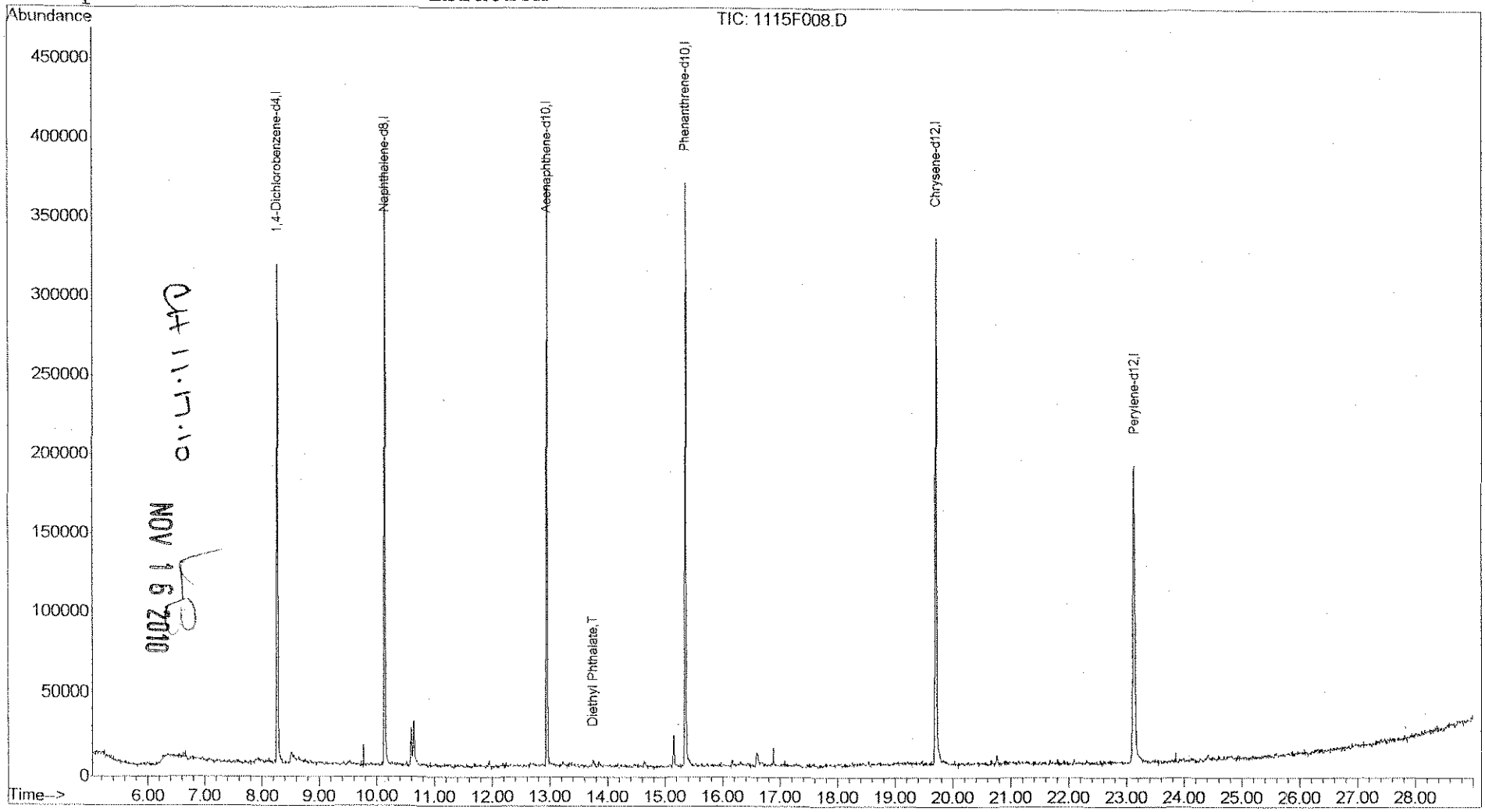
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS06\DATA\111510\1115F008.D
Acq On : 15 Nov 2010 3:54 pm
Sample : IB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 9:04 2010

Vial: 4
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:56 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	62214	1000.00 ng/ml	-0.04
22) Naphthalene-d8	10.14	136	191512	1000.00 ng/ml	-0.03
36) Acenaphthene-d10	12.94	164	97977	1000.00 ng/ml	-0.03
60) Phenanthrene-d10	15.35	188	187839	1000.00 ng/ml	-0.02
70) Chrysene-d12	19.70	240	213028	1000.00 ng/ml	-0.03
79) Perylene-d12	23.13	264	189164	1000.00 ng/ml	-0.03

System Monitoring Compounds					
4) 2-Fluorophenol	6.67	112	2327	36.99 ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 110		Recovery = 0.99%#		
6) Phenol-d6	7.81	99	3034	39.74 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 1.06%#		
20) Nitrobenzene-d5	9.07	82	3426	47.05 ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 1.88%#		
40) 2-Fluorobiphenyl	11.89	172	7011	50.91 ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 2.04%#		
61) 2,4,6-Tribromophenol	14.23	330	1054	34.64 ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 157		Recovery = 0.92%#		
73) Terphenyl-d14	18.00	244	7281	46.88 ng/ml	-0.03
Spiked Amount 2500.000	Range 54 - 158		Recovery = 1.88%#		

Target Compounds					Qvalue
7) Phenol	7.83	94	3663	45.47 ng/ml	86
8) Aniline	7.88	93	3787	44.84 ng/ml#	81
9) 2-Chlorophenol	7.99	128	2983	36.89 ng/ml	91
10) 1,3-Dichlorobenzene	8.19	146	4731	49.77 ng/ml	95
11) 1,4-Dichlorobenzene	8.30	146	4601	47.50 ng/ml	92
12) 1,2-Dichlorobenzene	8.50	146	4071	44.40 ng/ml	80
13) Benzyl Alcohol	8.53	108	1574	33.13 ng/ml	94
14) Bis(2-chloroisopropyl) Eth	8.69	45	6078m	38.41 ng/ml	
15) 2-Methylphenol	8.66	107	2569	45.21 ng/ml	82
16) Acetophenone	8.87	105	4071	40.22 ng/ml	90
18) N-Nitrosodi-n-propylamine	8.87	70	2490	47.58 ng/ml#	78
19) 4-Methylphenol	8.89	107	3313	38.95 ng/ml	84
21) Nitrobenzene	9.09	77	4083	56.58 ng/ml	71
23) Isophorone	9.47	82	6544	51.72 ng/ml	95
24) 2-Nitrophenol	9.57	139	1881	55.63 ng/ml	97
25) 2,4-Dimethylphenol	9.68	122	2370	49.48 ng/ml#	65
26) Bis(2-chloroethoxy)methane	9.83	93	2784	41.67 ng/ml	87
27) 2,4-Dichlorophenol	9.95	162	2611	42.33 ng/ml	70
29) 1,2,4-Trichlorobenzene	10.06	180	3767	53.85 ng/ml	90
30) Naphthalene	10.17	128	9462	45.47 ng/ml	78

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

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:56 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
31) 4-Chloroaniline	10.31	127	3407	36.46 ng/ml	94
32) Hexachlorobutadiene	10.39	225	2759	54.75 ng/ml	92
33) 4-Chloro-3-methylphenol	11.11	107	2394	37.54 ng/ml	76
34) 2-Methylnaphthalene	11.27	141	4669	34.99 ng/ml	84
35) 1-Methylnaphthalene	11.43	141	5622	42.50 ng/ml	83
38) 2,4,6-Trichlorophenol	11.75	196	2059	50.01 ng/ml	90
39) 2,4,5-Trichlorophenol	11.82	196	1812	38.75 ng/ml	91
41) 2-Chloronaphthalene	12.05	127	2240	47.33 ng/ml	89
42) 2-Nitroaniline	12.24	65	1844	46.45 ng/ml#	58
43) Acenaphthylene	12.71	152	7882	40.36 ng/ml	98
44) Dimethyl Phthalate	12.58	163	7077	47.09 ng/ml	93
45) 2,6-Dinitrotoluene	12.66	165	1390	45.01 ng/ml	86
46) Acenaphthene	13.00	154	5361	45.09 ng/ml	88
47) 3-Nitroaniline	12.93	138	1601	44.52 ng/ml#	89
49) Dibenzofuran	13.28	168	8266	44.23 ng/ml	86
53) Fluorene	13.84	166	6456	44.91 ng/ml	98
54) 4-Chlorophenyl Phenyl Ethe	13.88	204	3780	49.73 ng/ml	84
55) Diethyl Phthalate	13.74	149	8405	50.29 ng/ml	93
58) N-Nitrosodiphenylamine	14.08	169	4502	43.99 ng/ml	93
59) Azobenzene	14.13	77	7100m	46.22 ng/ml	
62) 4-Bromophenyl Phenyl Ether	14.67	248	2486	46.70 ng/ml	86
63) Hexachlorobenzene	14.72	284	2569	42.33 ng/ml	92
65) Phenanthrene	15.39	178	8772	37.61 ng/ml	87
66) Anthracene	15.47	178	9132	37.62 ng/ml	90
67) Carbazole	15.76	167	7488	35.59 ng/ml	98
68) Di-n-butyl Phthalate	16.43	149	11964	38.36 ng/ml	98
69) Fluoranthene	17.32	202	10054	38.17 ng/ml	93
71) Benzidine	17.60	184	4751	51.38 ng/ml	86
72) Pyrene	17.68	202	10393	44.92 ng/ml	91
74) Butyl Benzyl Phthalate	18.86	149	5104	40.98 ng/ml	87
75) 3,3'-Dichlorobenzidine	19.70	252	3628	39.73 ng/ml	83
76) Benz(a)anthracene	19.69	228	10412	46.12 ng/ml	97
77) Chrysene	19.75	228	10567	48.34 ng/ml	97
78) Bis(2-ethylhexyl) Phthalat	19.92	149	6677	38.54 ng/ml	85
80) Di-n-octyl Phthalate	21.43	149	8607	32.55 ng/ml	75
81) Benzo(b)fluoranthene	22.13	252	8805	42.06 ng/ml	95
82) Benzo(k)fluoranthene	22.21	252	9010m	41.43 ng/ml	
83) Benzo(a)pyrene	22.97	252	7438	39.54 ng/ml	96
84) Indeno(1,2,3-cd)pyrene	25.52	276	6271	37.98 ng/ml	86
85) Dibenz(a,h)anthracene	25.60	278	6321	36.64 ng/ml	79
86) Benzo(g,h,i)perylene	26.01	276	7028	38.25 ng/ml	82

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

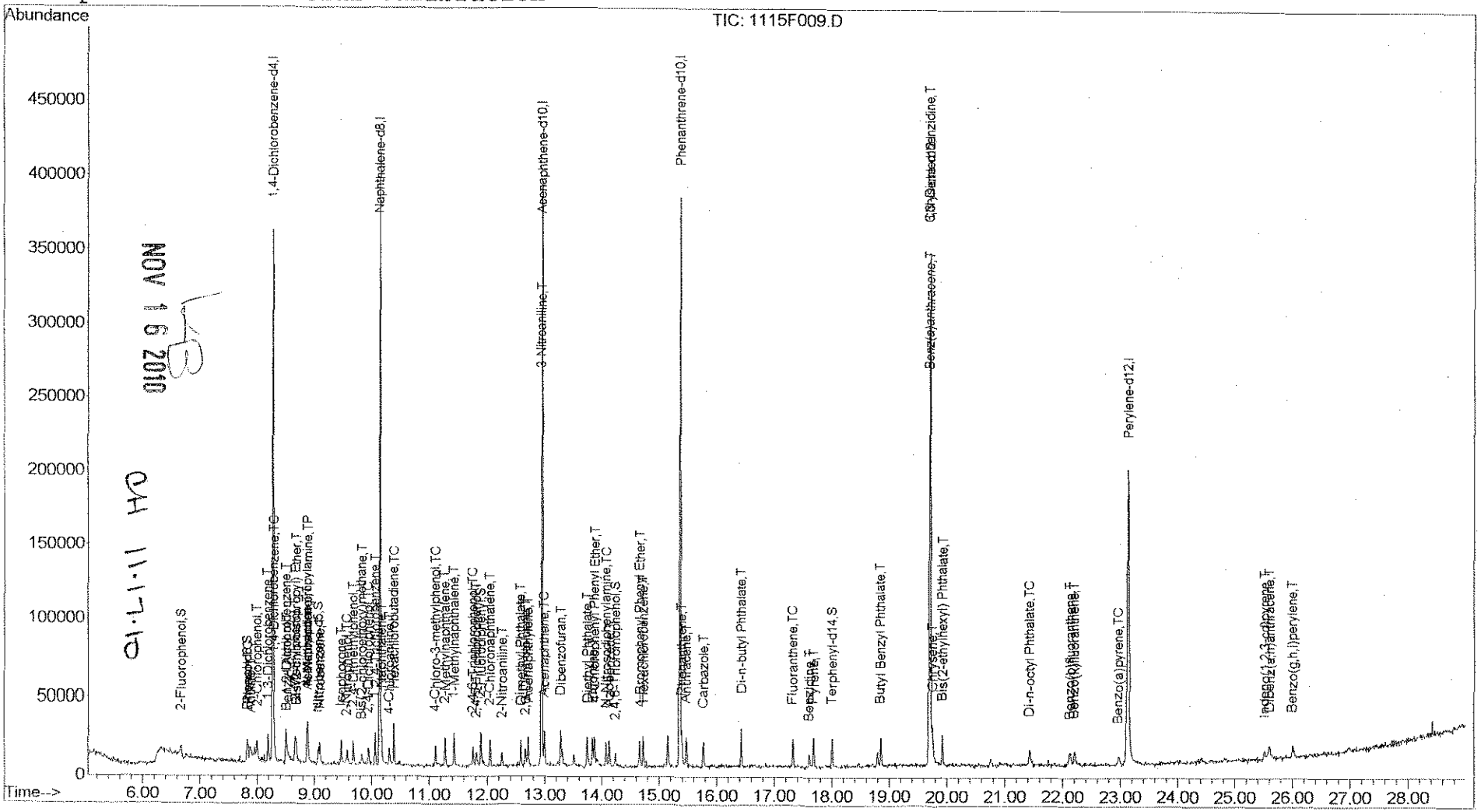
CH 11-17-10

Data File : J:\MS06\DATA\111510\1115F009.D
Acq On : 15 Nov 2010 4:32 pm
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:34 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration

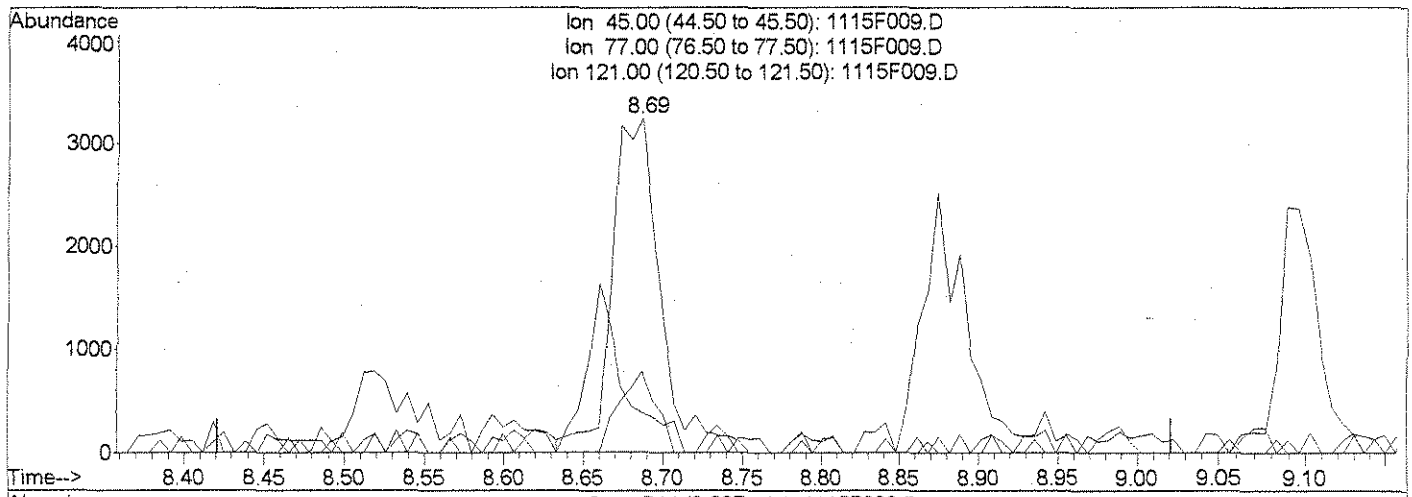


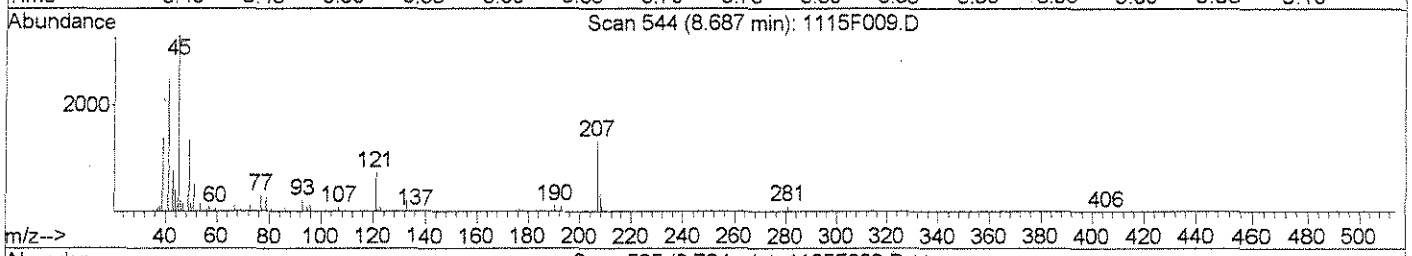
Quantitation Report (Qedit)

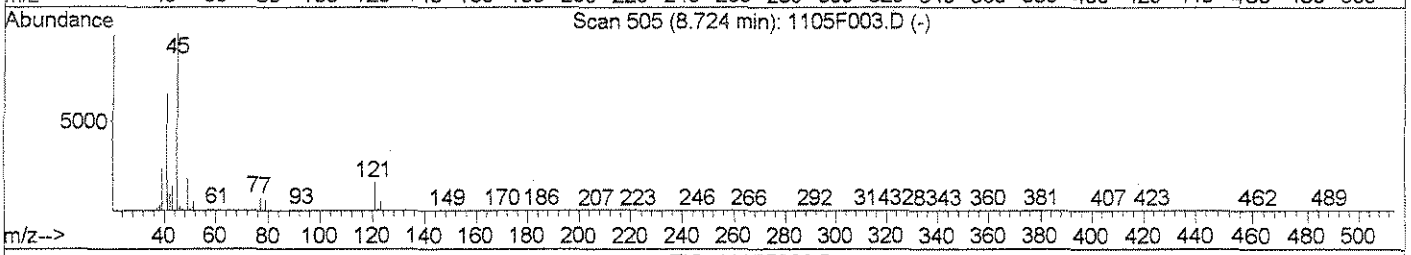
Data File : J:\MS06\DATA\111510\1115F009.D
Acq On : 15 Nov 2010 4:32 pm
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:33 2010

Vial: 5
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F009.D

(14) Bis(2-chloroisopropyl) Ether (T)

8.69min 42.34ng/ml

response 6701

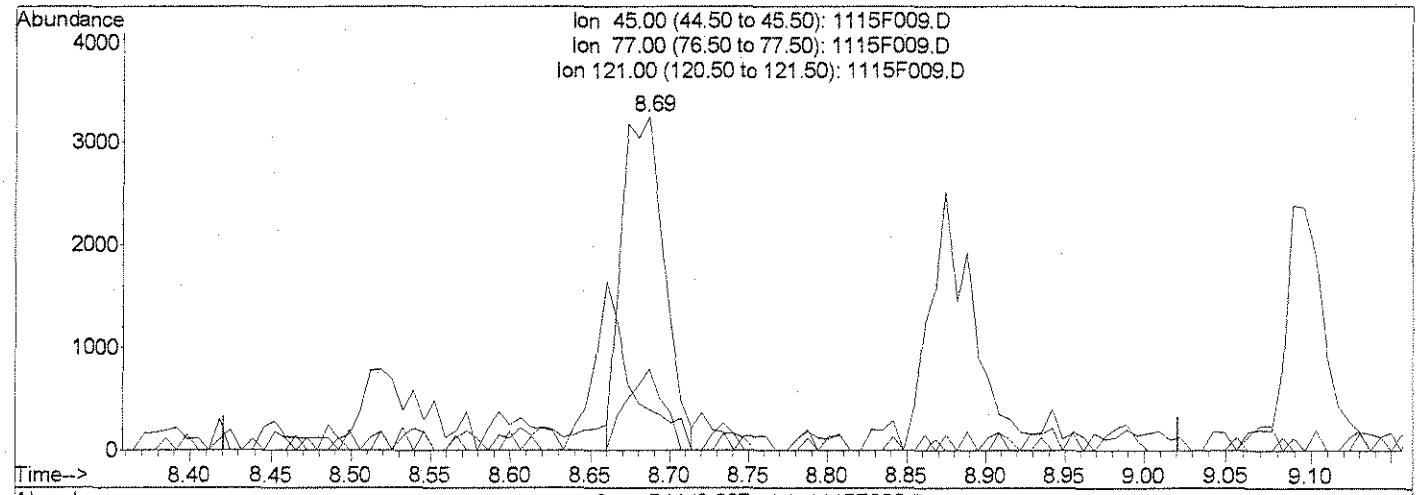
Ion	Exp%	Act%
45.00	100	100
77.00	8.00	12.01
121.00	15.40	24.29
0.00	0.00	0.00

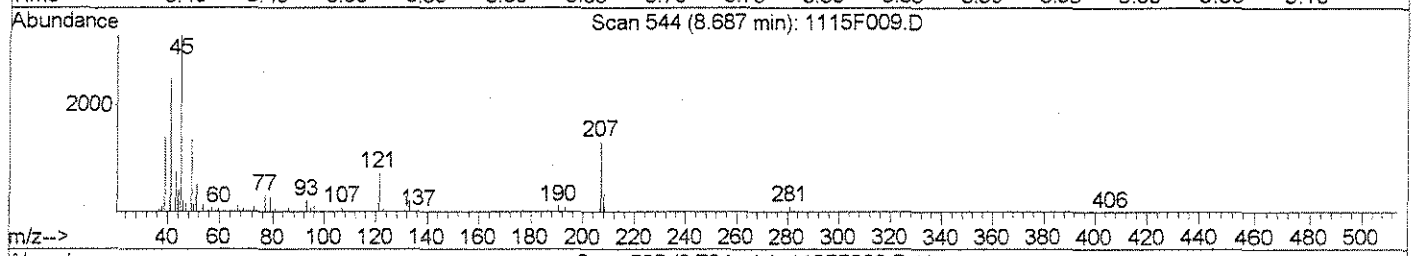
1115F009.D 111510_BNLL.M Tue Nov 16 08:33:37 2010

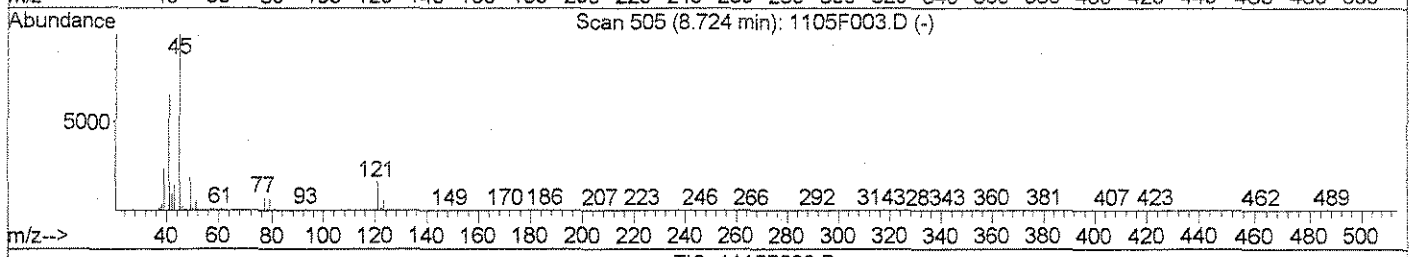
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:33 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F009.D

(14) Bis(2-chloroisopropyl) Ether (T)

8.69min 38.41ng/ml m

response 6078

Ion	Exp%	Act%
45.00	100	100
77.00	8.00	12.01
121.00	15.40	24.29
0.00	0.00	0.00

D1

NOV 16 2010

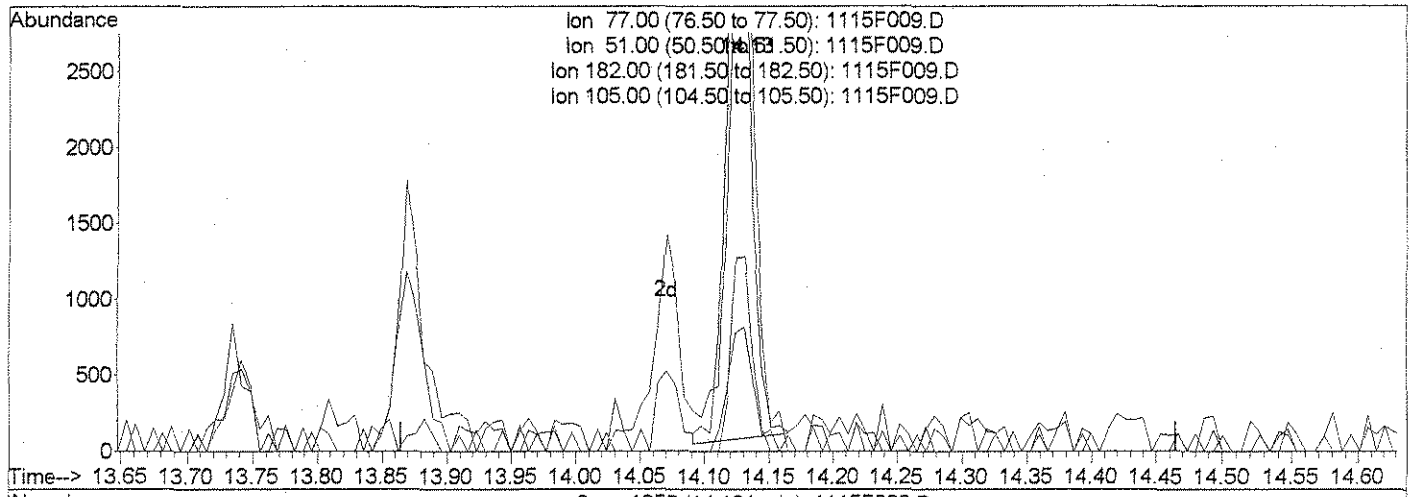
CH 11.17.10

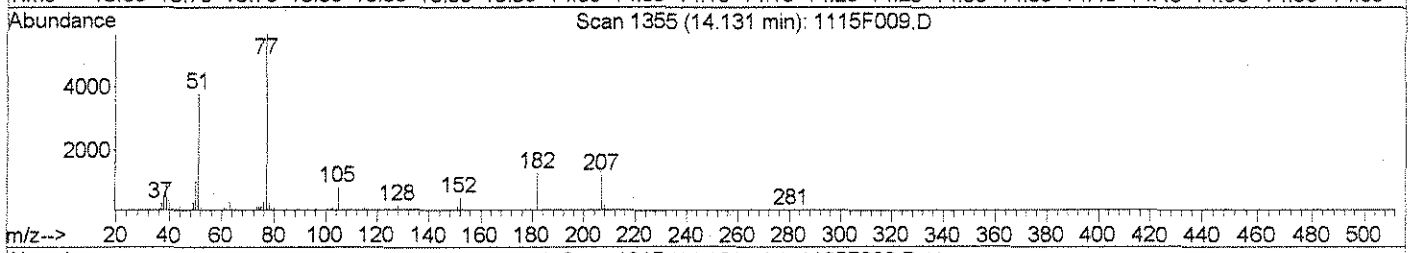
1115F009.D 111510_BNLL.M Tue Nov 16 08:33:41 2010

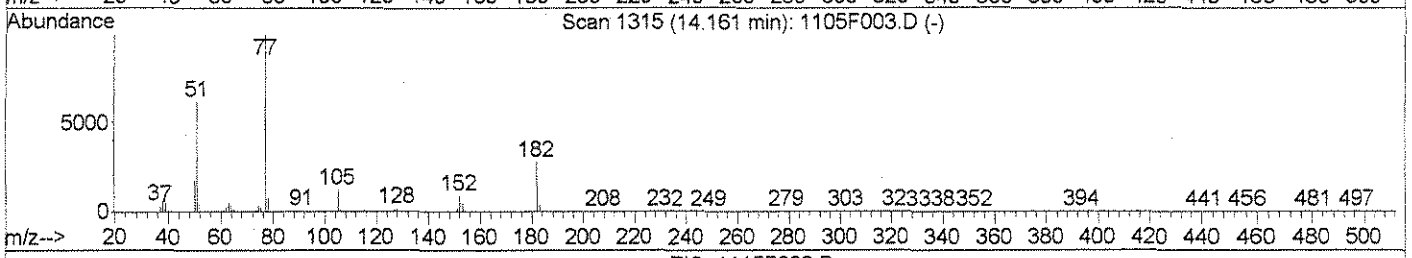
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:34 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F009.D

(59) Azobenzene (T)

14.13min 45.35ng/ml

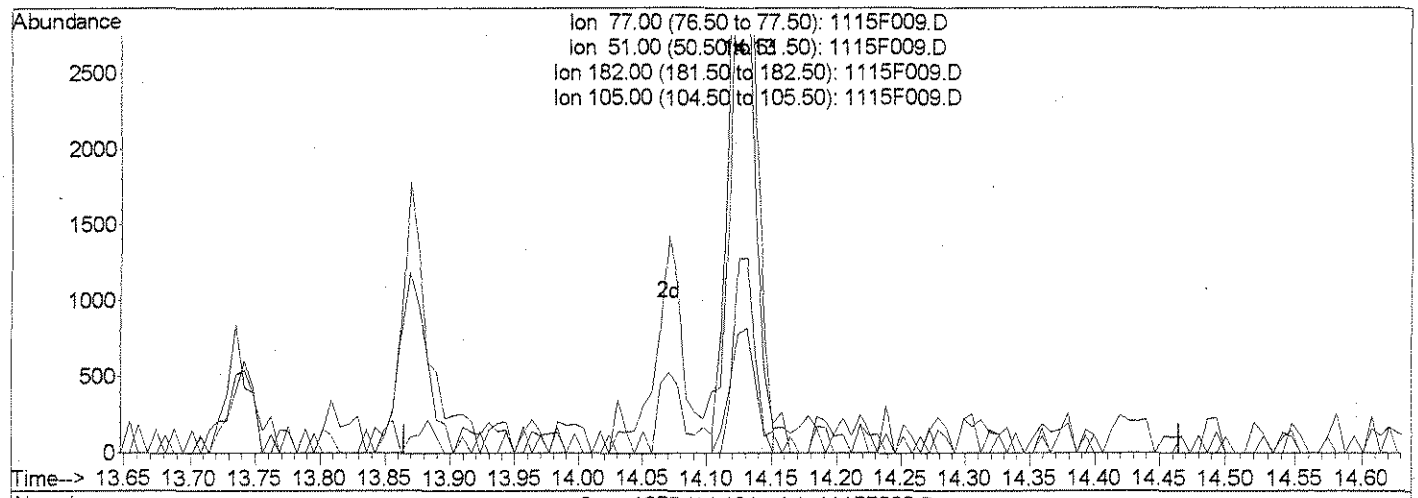
response 6965

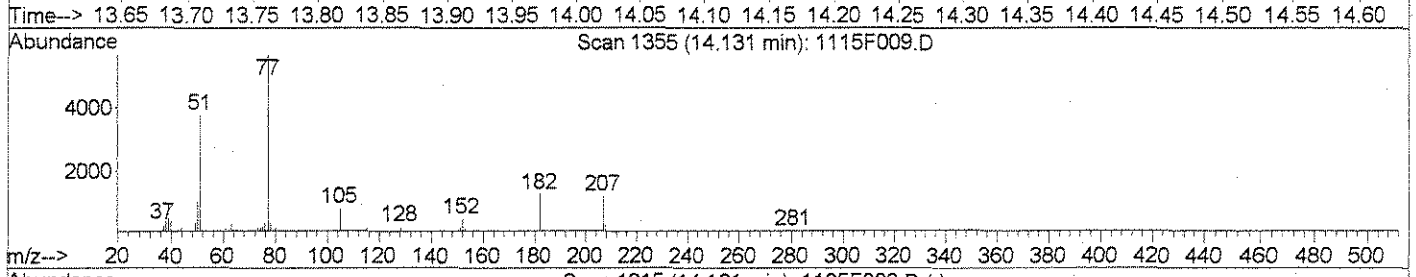
Ion	Exp%	Act%
77.00	100	100
51.00	63.10	68.12
182.00	27.90	22.93
105.00	11.60	14.65

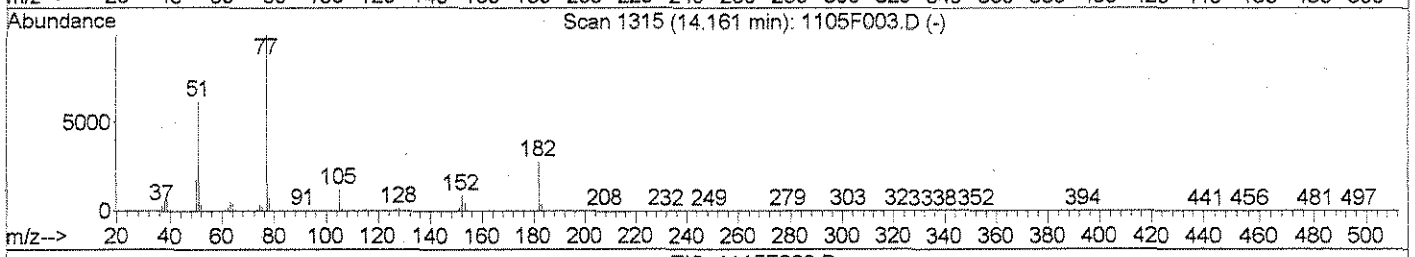
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:34 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F009.D

(59) Azobenzene (T)

14.13min 46.22ng/ml m

response 7100

Ion	Exp%	Act%
77.00	100	100
51.00	63.10	66.71
182.00	27.90	22.46
105.00	11.60	14.35

BL

LB

NOV 16 2010

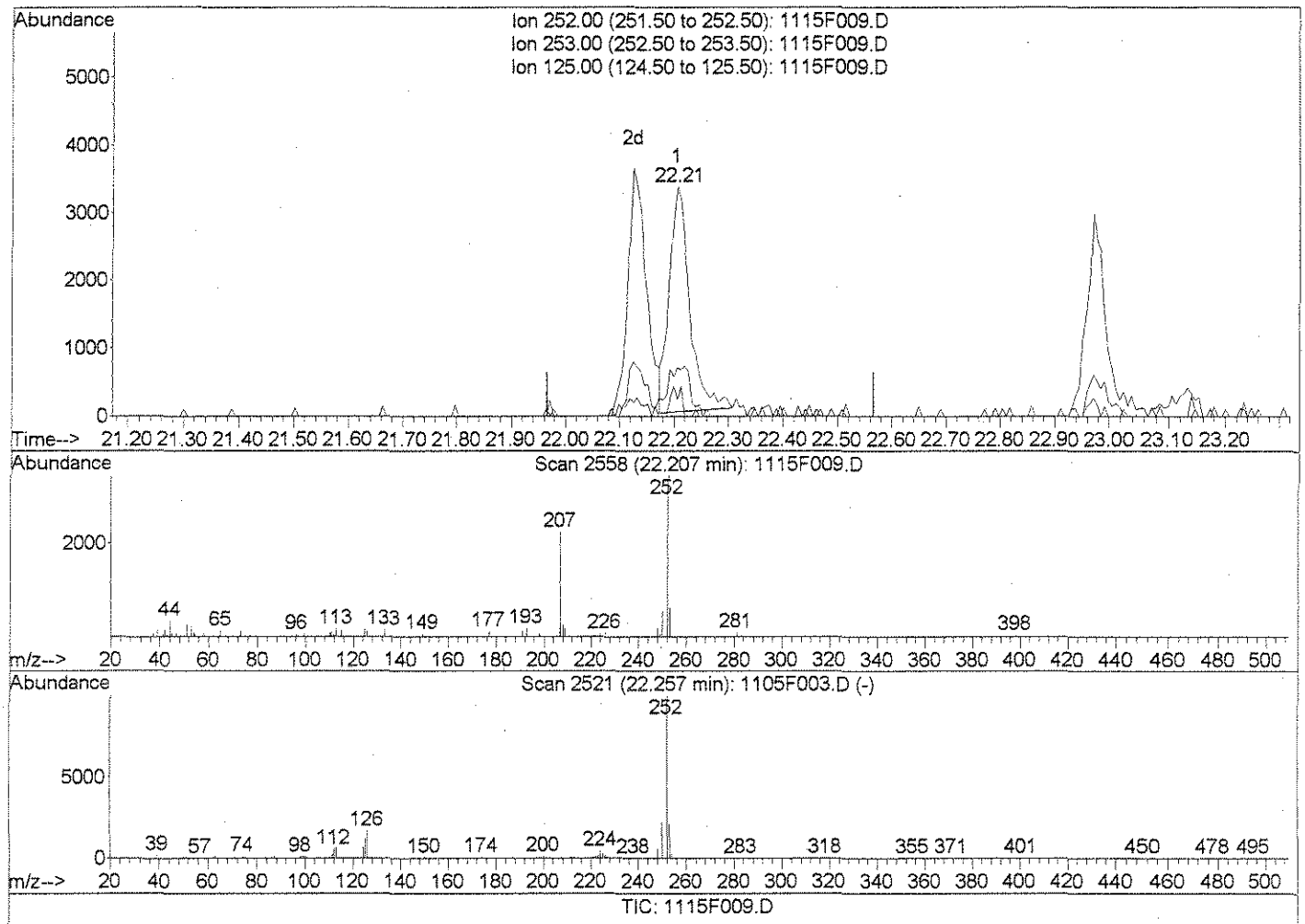
CH 11·17·10

1115F009.D 111510_BNLL.M Tue Nov 16 08:34:32 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:34 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(82) Benzo(k)fluoranthene (T)

22.21min 39.88ng/ml

response 8673

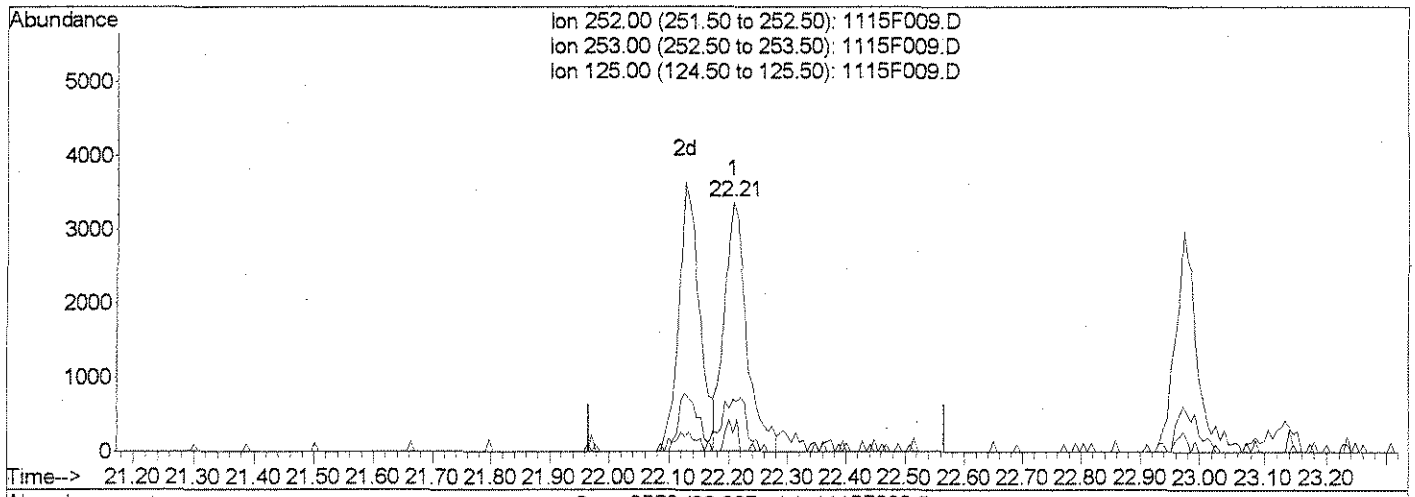
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.70
125.00	12.00	7.63
0.00	0.00	0.00

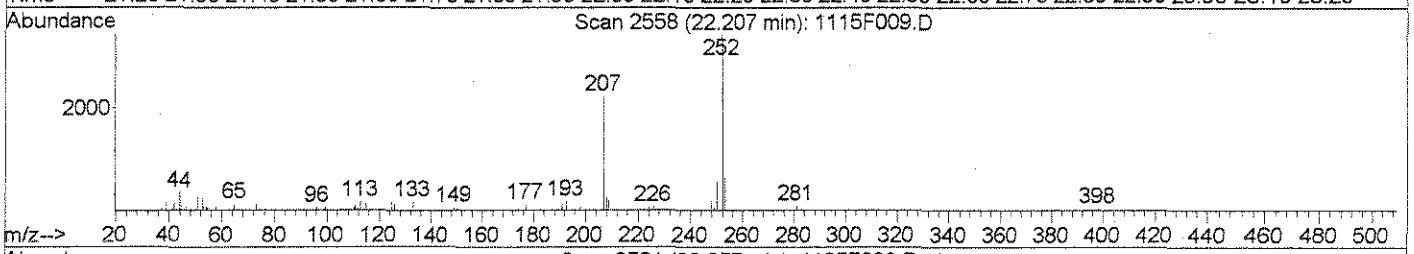
1115F009.D 111510_BNLL.M Tue Nov 16 08:34:48 2010

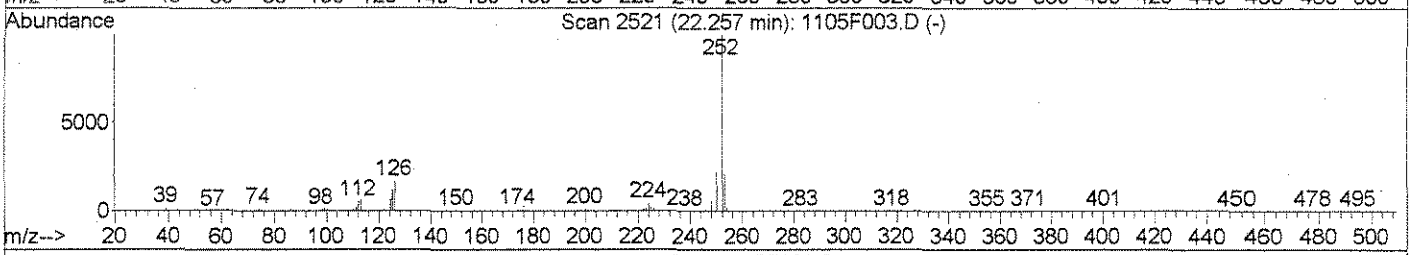
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F009.D Vial: 5
Acq On : 15 Nov 2010 4:32 pm Operator: KBailey
Sample : 0.05ug/mL ICAL SVO_LL | SVM33-63A Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:34 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F009.D

(82) Benzo(k)fluoranthene (T)

22.21min 41.43ng/ml m

response 9010

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	20.93
125.00	12.00	7.36
0.00	0.00	0.00

BL

NOV 16 2010

CH 11·17·10

1115F009.D 111510_BNLL.M Tue Nov 16 08:34:53 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:57 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	64698	1000.00	ng/ml	-0.04
22) Naphthalene-d8	10.14	136	195214	1000.00	ng/ml	-0.03
36) Acenaphthene-d10	12.94	164	99564	1000.00	ng/ml	-0.03
60) Phenanthrene-d10	15.35	188	196100	1000.00	ng/ml	-0.02
70) Chrysene-d12	19.71	240	222328	1000.00	ng/ml	-0.03
79) Perylene-d12	23.13	264	196358	1000.00	ng/ml	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	6.67	112	5196	79.43	ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 110		Recovery = 2.12%#			
6) Phenol-d6	7.82	99	6956	87.61	ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 2.34%#			
20) Nitrobenzene-d5	9.06	82	8020	105.91	ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 4.24%#			
40) 2-Fluorobiphenyl	11.89	172	15905	113.64	ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 4.55%#			
61) 2,4,6-Tribromophenol	14.24	330	2674	84.18	ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 2.24%#			
73) Terphenyl-d14	18.01	244	16771	103.47	ng/ml	-0.03
Spiked Amount 2500.000	Range 54 - 158		Recovery = 4.14%#			

Target Compounds						Qvalue
5) Bis(2-chloroethyl) Ether	7.94	93	5208m	78.42	ng/ml	
7) Phenol	7.83	94	7268m	86.75	ng/ml	
8) Aniline	7.86	93	7845	89.32	ng/ml#	85
9) 2-Chlorophenol	7.99	128	6596	78.45	ng/ml	97
10) 1,3-Dichlorobenzene	8.19	146	8578	86.78	ng/ml	90
11) 1,4-Dichlorobenzene	8.30	146	8647	85.83	ng/ml	94
12) 1,2-Dichlorobenzene	8.50	146	8524	89.39	ng/ml	98
13) Benzyl Alcohol	8.51	108	3113	63.00	ng/ml#	75
14) Bis(2-chloroisopropyl) Eth	8.68	45	12467	75.76	ng/ml	93
15) 2-Methylphenol	8.66	107	5282	89.38	ng/ml	95
16) Acetophenone	8.86	105	7823	74.32	ng/ml	93
17) Hexachloroethane	8.98	117	2821	62.58	ng/ml	87
18) N-Nitrosodi-n-propylamine	8.88	70	5344	98.20	ng/ml	82
19) 4-Methylphenol	8.89	107	7004	79.18	ng/ml	92
21) Nitrobenzene	9.10	77	8035	107.06	ng/ml	92
23) Isophorone	9.47	82	12794	99.20	ng/ml	93
24) 2-Nitrophenol	9.58	139	3471	100.71	ng/ml	92
25) 2,4-Dimethylphenol	9.68	122	5804	118.88	ng/ml	95
26) Bis(2-chloroethoxy)methane	9.82	93	5935	87.15	ng/ml	94
27) 2,4-Dichlorophenol	9.95	162	5292	84.16	ng/ml	98

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

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:57 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) 1,2,4-Trichlorobenzene	10.06	180	7526	105.54 ng/ml	90
30) Naphthalene	10.17	128	19016	89.64 ng/ml	97
31) 4-Chloroaniline	10.31	127	7137	74.94 ng/ml	91
32) Hexachlorobutadiene	10.39	225	6558	127.68 ng/ml	100
33) 4-Chloro-3-methylphenol	11.10	107	5618	86.44 ng/ml	79
34) 2-Methylnaphthalene	11.27	141	10330	75.95 ng/ml	89
35) 1-Methylnaphthalene	11.43	141	10343	76.70 ng/ml	94
38) 2,4,6-Trichlorophenol	11.76	196	4592	109.75 ng/ml	89
39) 2,4,5-Trichlorophenol	11.81	196	4331m	91.14 ng/ml	
41) 2-Chloronaphthalene	12.05	127	4952	102.97 ng/ml	90
42) 2-Nitroaniline	12.25	65	4014	99.45 ng/ml	97
43) Acenaphthylene	12.71	152	18233	91.87 ng/ml	96
44) Dimethyl Phthalate	12.58	163	15702	102.81 ng/ml	96
45) 2,6-Dinitrotoluene	12.66	165	2974	94.64 ng/ml	70
46) Acenaphthene	13.00	154	10849	89.79 ng/ml	95
47) 3-Nitroaniline	12.92	138	2791	76.34 ng/ml	78
49) Dibenzofuran	13.28	168	17443	91.84 ng/ml	83
50) 4-Nitrophenol	13.27	109	1782	70.10 ng/ml#	1
51) 2,4-Dinitrotoluene	13.31	165	4024	87.51 ng/ml	90
52) 2,3,4,6-Tetrachlorophenol	13.51	232	3958	93.19 ng/ml	93
53) Fluorene	13.84	166	12722	87.09 ng/ml	95
54) 4-Chlorophenyl Phenyl Ethe	13.88	204	8048	104.19 ng/ml	87
55) Diethyl Phthalate	13.74	149	17156	101.01 ng/ml	98
56) 4-Nitroaniline	13.91	138	2596	71.46 ng/ml	80
58) N-Nitrosodiphenylamine	14.08	169	8384	80.62 ng/ml	93
59) Azobenzene	14.13	77	14994	96.06 ng/ml	93
62) 4-Bromophenyl Phenyl Ether	14.66	248	5144	92.57 ng/ml	92
63) Hexachlorobenzene	14.72	284	5943	93.80 ng/ml	97
65) Phenanthrene	15.39	178	18602	76.40 ng/ml	97
66) Anthracene	15.47	178	19091	75.32 ng/ml	96
67) Carbazole	15.76	167	16258	74.02 ng/ml	98
68) Di-n-butyl Phthalate	16.43	149	23437	71.99 ng/ml	98
69) Fluoranthene	17.32	202	21908	79.68 ng/ml	88
71) Benzidine	17.60	184	8453	87.58 ng/ml	98
72) Pyrene	17.68	202	22174	91.83 ng/ml	97
74) Butyl Benzyl Phthalate	18.86	149	9324	71.73 ng/ml	79
75) 3,3'-Dichlorobenzidine	19.70	252	7697	80.77 ng/ml	96
76) Benz(a)anthracene	19.69	228	20708m	87.89 ng/ml	
77) Chrysene	19.75	228	21280m	93.28 ng/ml	
78) Bis(2-ethylhexyl) Phthalat	19.93	149	12342	68.27 ng/ml	91
80) Di-n-octyl Phthalate	21.43	149	17824	64.87 ng/ml	100

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

NOV 16 2010

OH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:57 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
81)	Benzo(b)fluoranthene	22.13	252	17386	80.00 ng/ml	95
82)	Benzo(k)fluoranthene	22.21	252	20820m	92.24 ng/ml	
83)	Benzo(a)pyrene	22.97	252	14440	73.95 ng/ml	96
84)	Indeno(1,2,3-cd)pyrene	25.52	276	13888	81.03 ng/ml	88
85)	Dibenz(a,h)anthracene	25.60	278	14017	78.26 ng/ml	94
86)	Benzo(g,h,i)perylene	26.01	276	16318	85.57 ng/ml	82

LP
NOV 16 2010
CH 11.17.10

(#) = qualifier out of range (m) = manual integration
1115F010.D 111510_BNLL.M Tue Nov 16 09:05:42 2010 Page 3

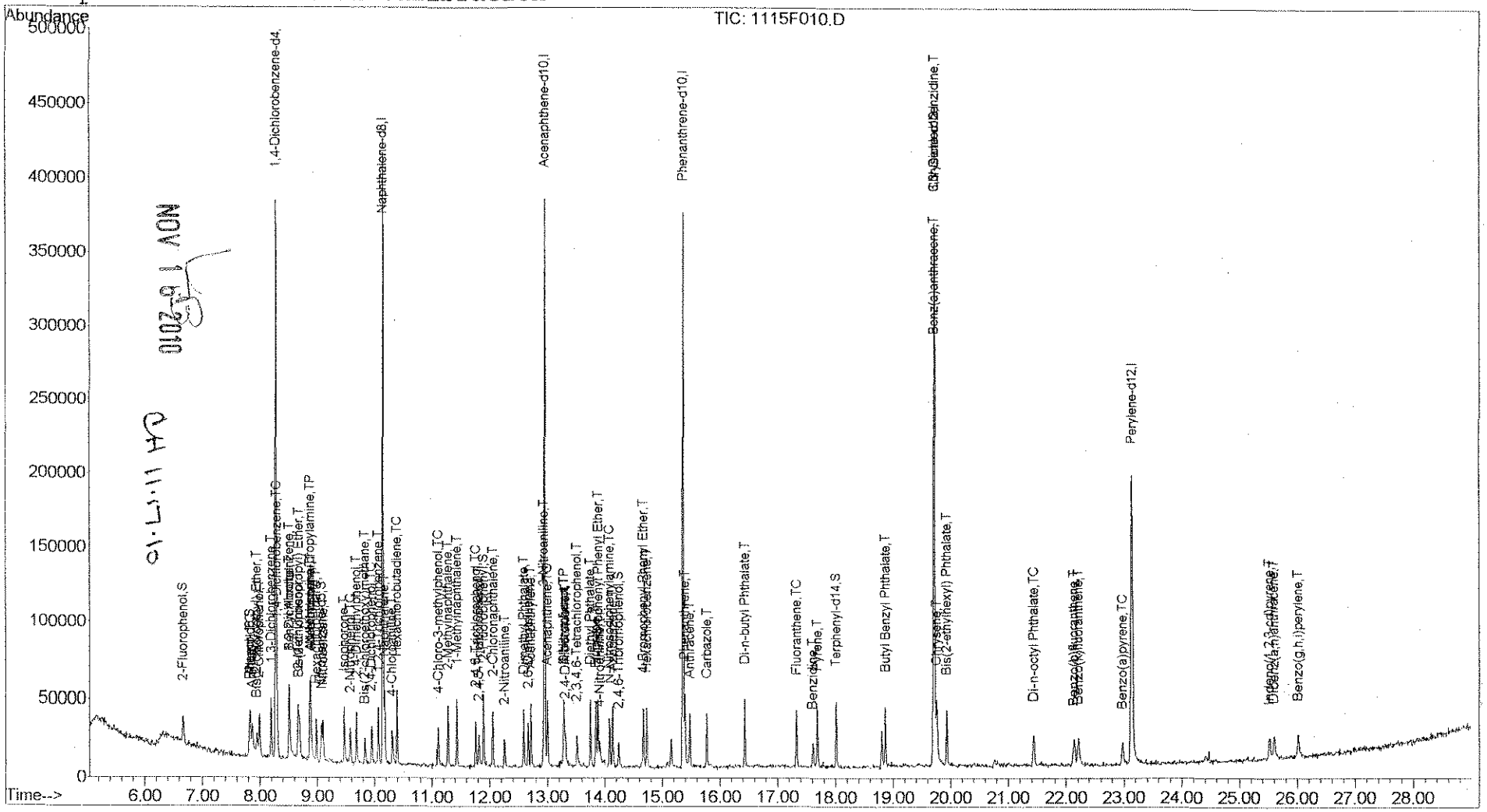
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:37 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



NOV 16 2010

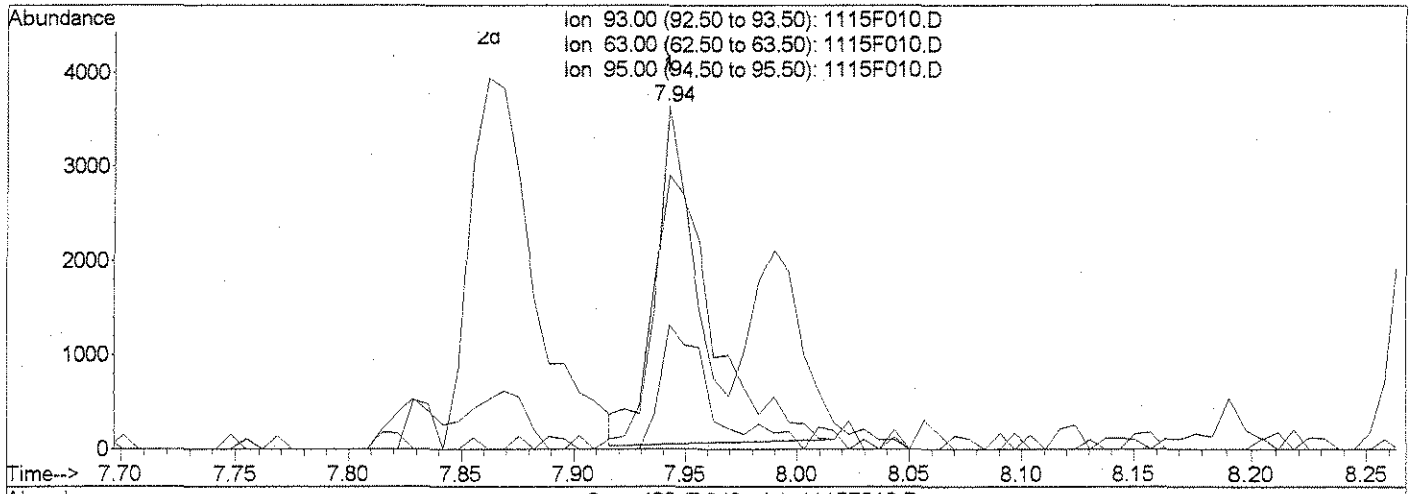
2376

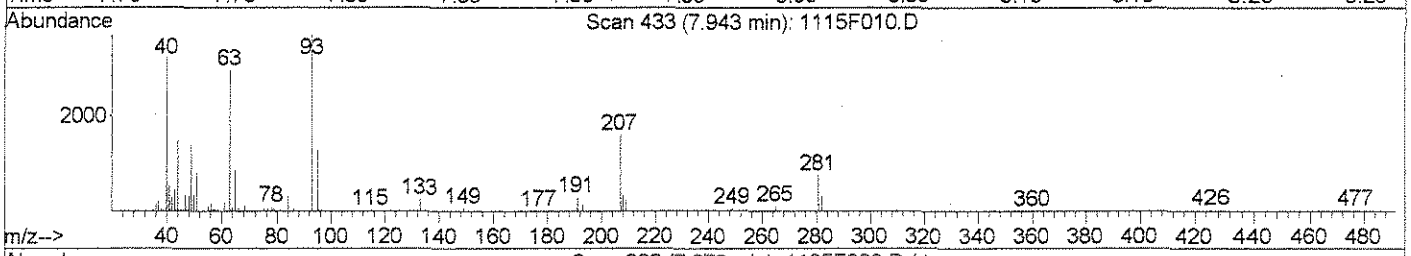
Quantitation Report (Qedit)

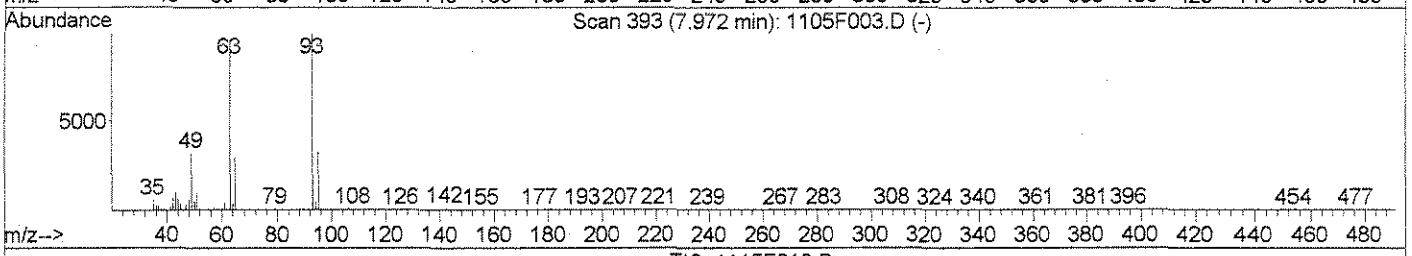
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:35 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(5) Bis(2-chloroethyl) Ether (T)

7.94min 84.72ng/ml

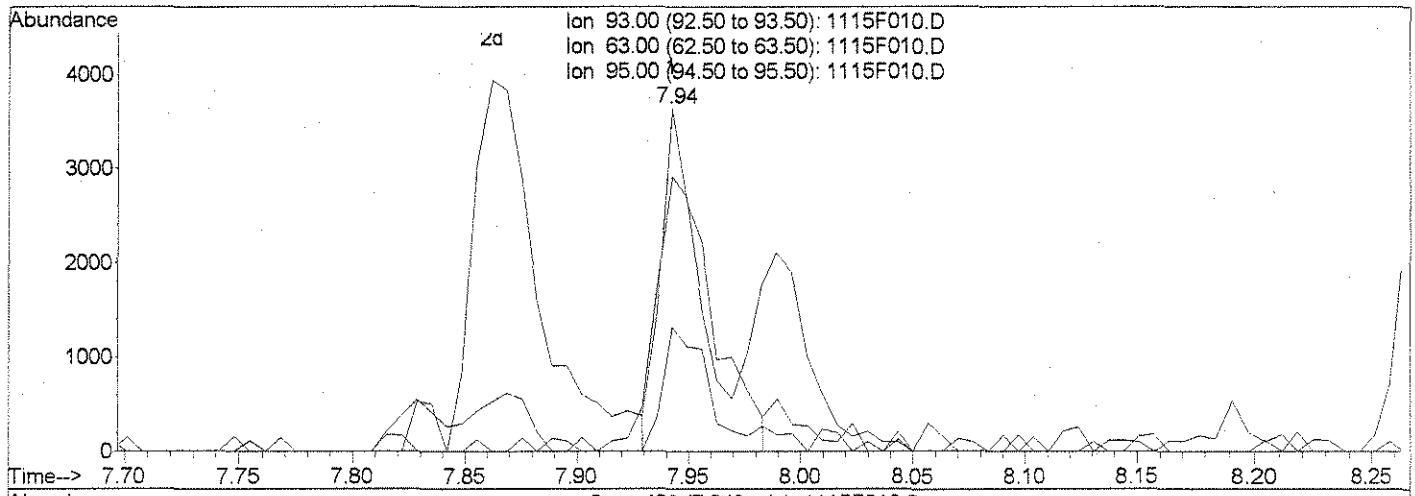
response 5627

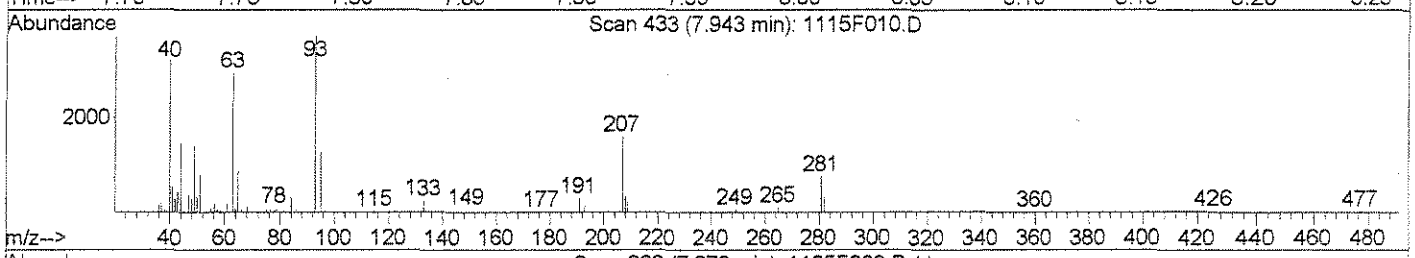
Ion	Exp%	Act%
93.00	100	100
63.00	94.80	79.20
95.00	33.70	37.20
0.00	0.00	0.00

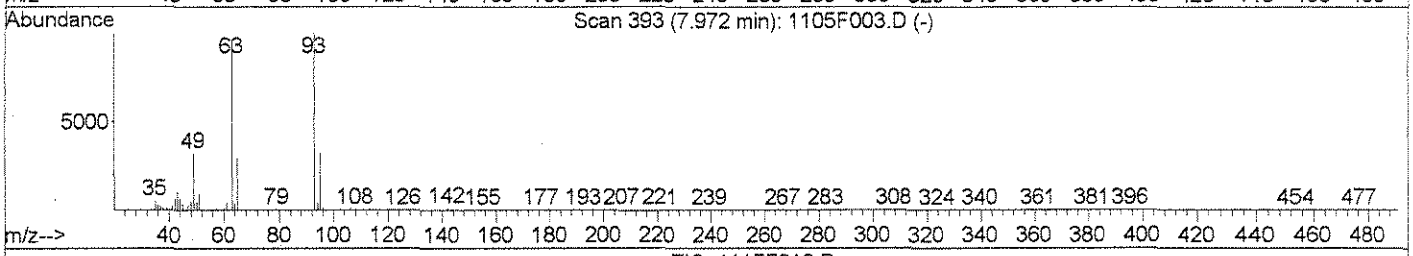
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:35 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(5) Bis(2-chloroethyl) Ether (T)

7.94min 78.42ng/ml m

response 5208

Ion	Exp%	Act%
93.00	100	100
63.00	94.80	80.02
95.00	33.70	36.16
0.00	0.00	0.00

NOV 16 2010

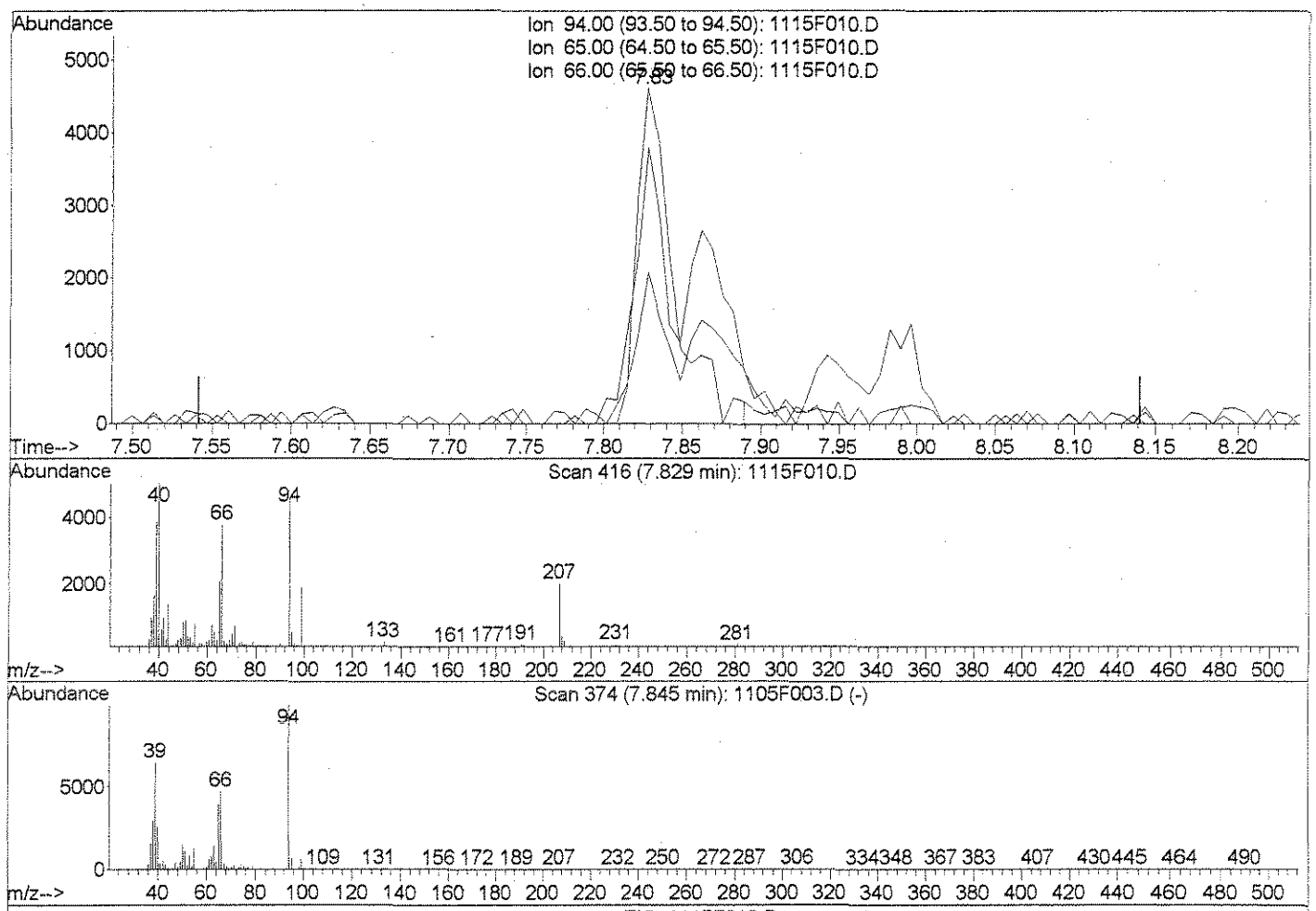
CH 11.17.10

1115F010.D 111510_BNLL.M Tue Nov 16 08:35:26 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:35 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(7) Phenol (TC)

7.83min 89.86ng/ml

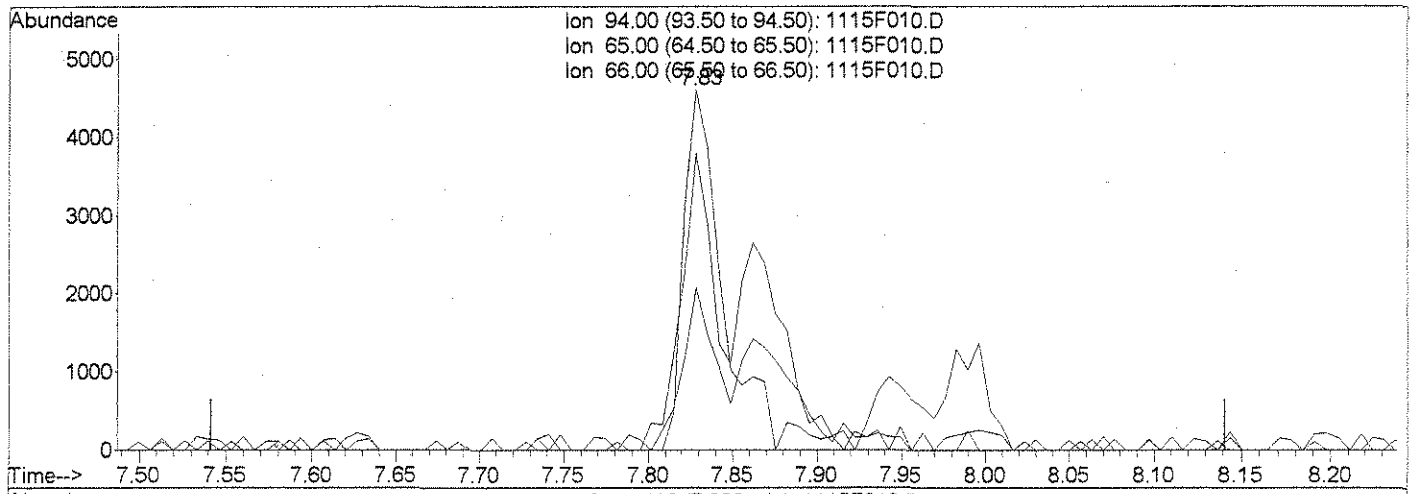
response 7529

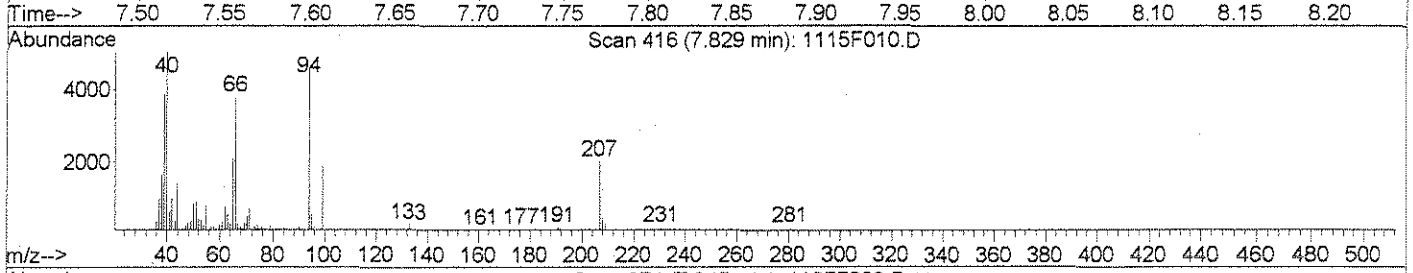
Ion	Exp%	Act%
94.00	100	100
65.00	40.20	45.22
66.00	49.00	74.89
0.00	0.00	0.00

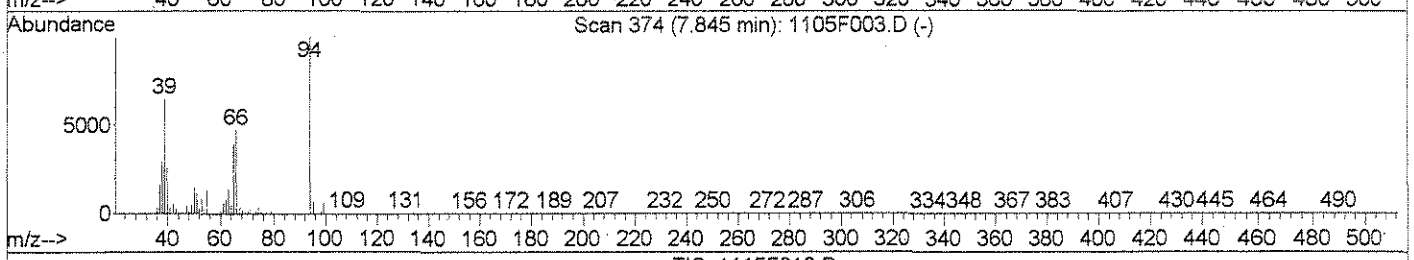
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:35 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(7) Phenol (TC)

7.83min 86.75ng/ml m

response 7268

Ion	Exp%	Act%
94.00	100	100
65.00	40.20	45.22
66.00	49.00	82.38#
0.00	0.00	0.00

D1

NOV 16 2010

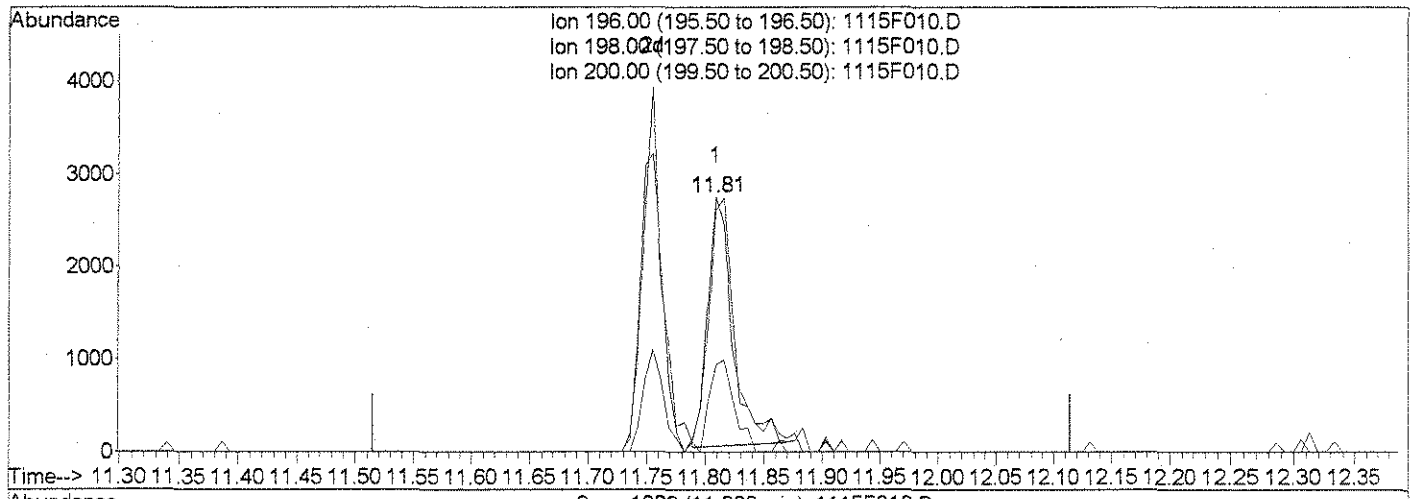
CH 11·17·10

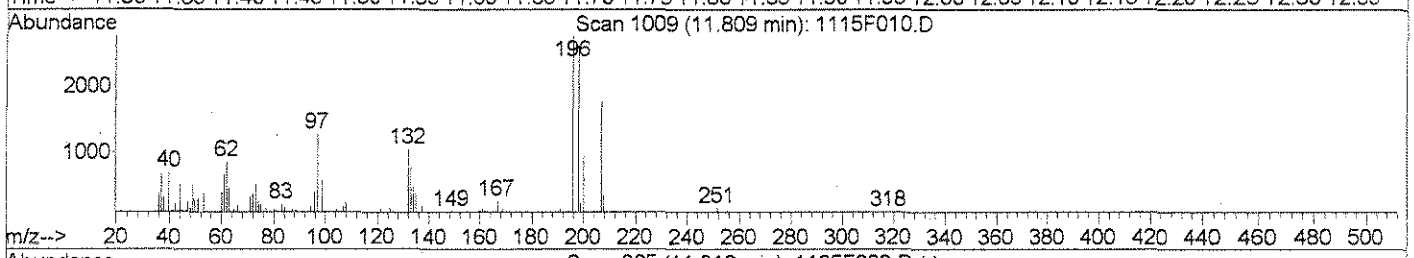
1115F010.D 111510_BNLL.M Tue Nov 16 08:35:36 2010

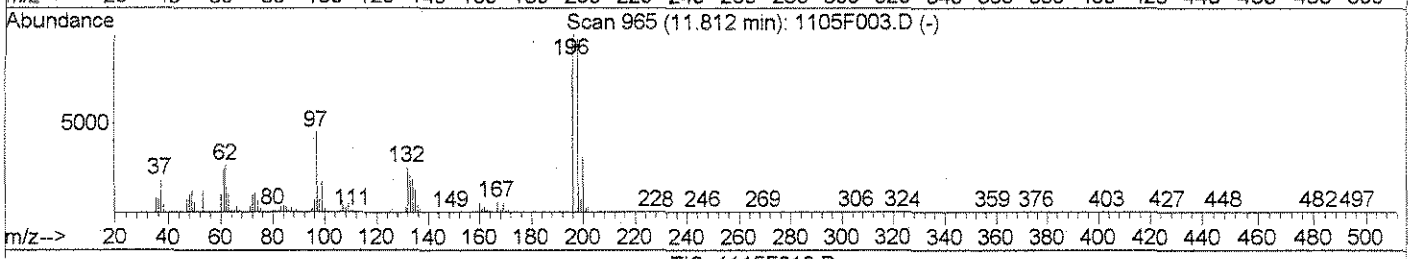
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:35 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(39) 2,4,5-Trichlorophenol (T)

11.81min 84.41ng/ml

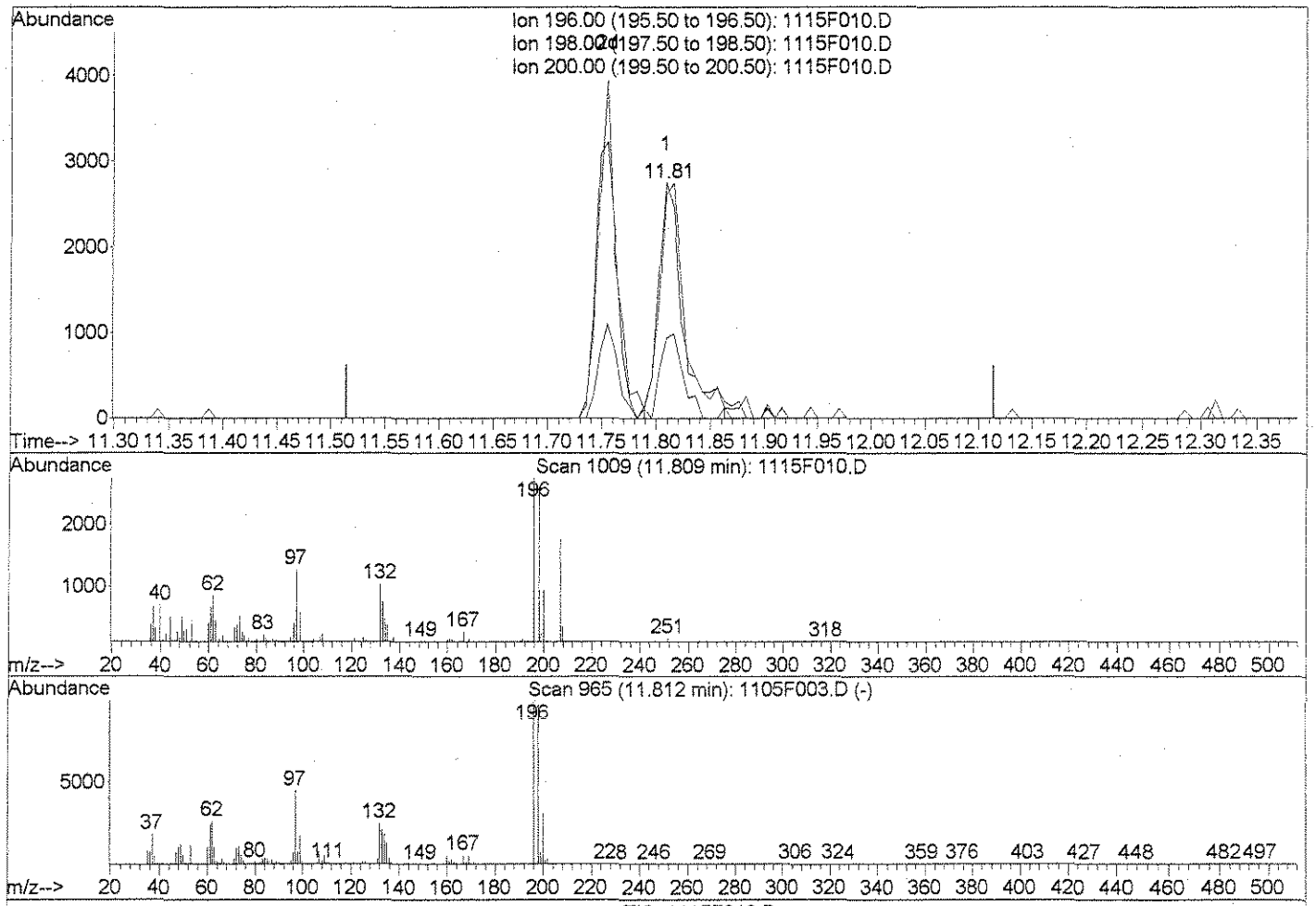
response 4011

Ion	Exp%	Act%
196.00	100	100
198.00	98.80	93.26
200.00	30.30	35.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(39) 2,4,5-Trichlorophenol (T)

11.81min 91.14ng/ml m

response 4331

Ion	Exp%	Act%
196.00	100	100
198.00	98.80	95.03
200.00	30.30	34.00
0.00	0.00	0.00

BL

LB
NOV 16 2010

CH 11.17.10

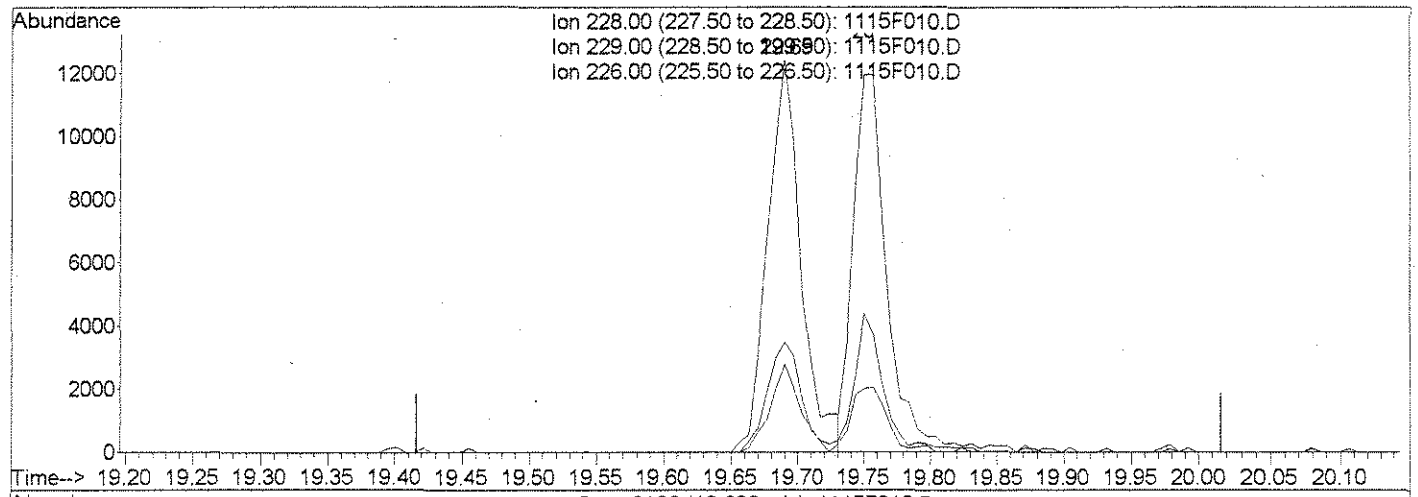
1115F010.D 111510_BNLL.M Tue Nov 16 08:36:04 2010

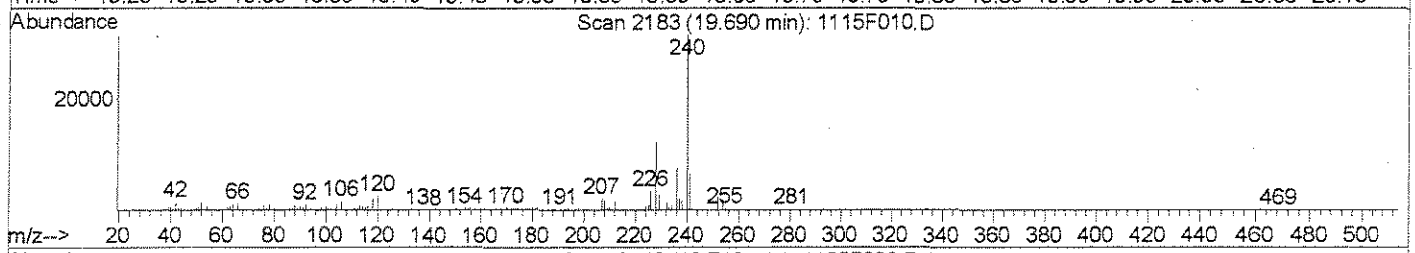
Quantitation Report (Qedit)

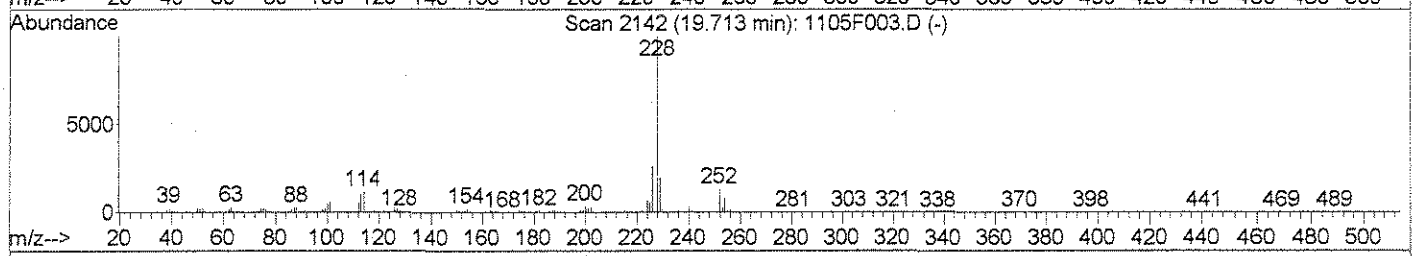
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(76) Benz(a)anthracene (T)

19.69min 92.02ng/ml

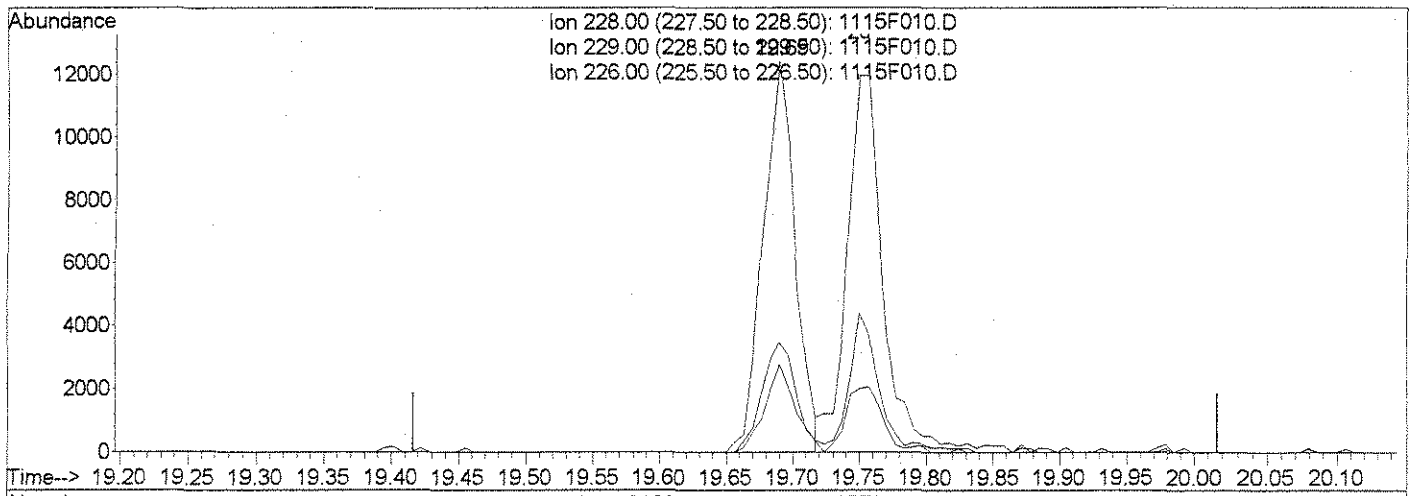
response 21679

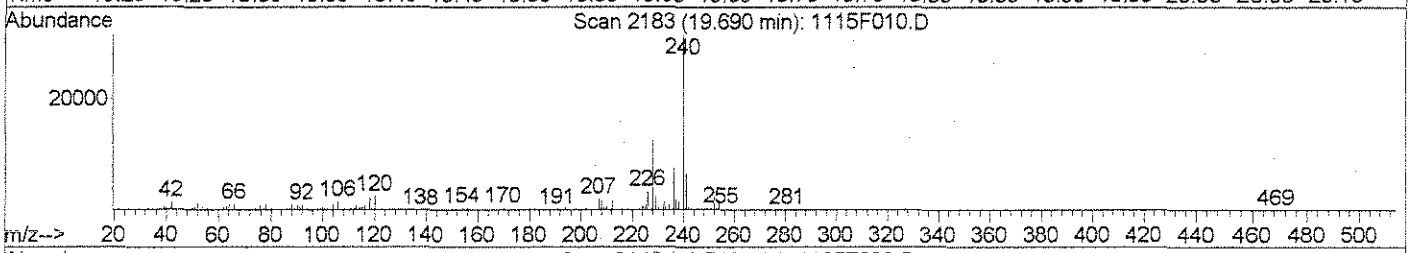
Ion	Exp%	Act%
228.00	100	100
229.00	19.30	22.22
226.00	25.90	27.96
0.00	0.00	0.00

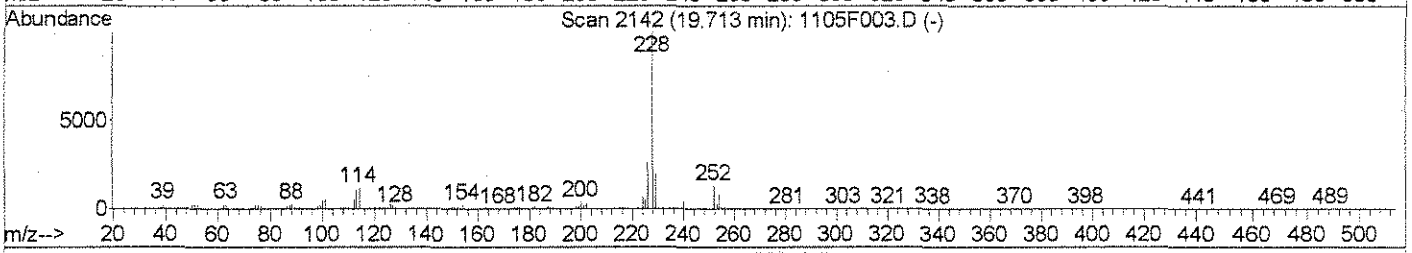
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D Vial: 6
Acq On : 15 Nov 2010 5:09 pm Operator: KBailey
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(76) Benz(a)anthracene (T)

19.69min 87.89ng/ml m

response 20708

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	22.22
226.00	25.90	27.96
0.00	0.00	0.00

01

NOV 16 2010

CH 11.17.10

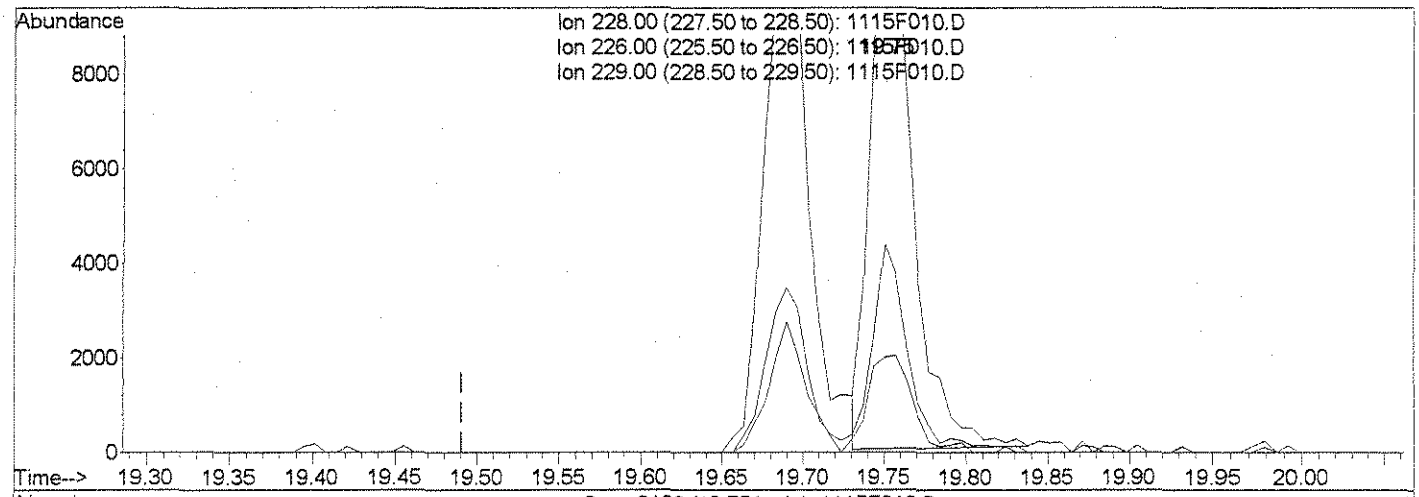
1115F010.D 111510_BNLL.M Tue Nov 16 08:36:39 2010

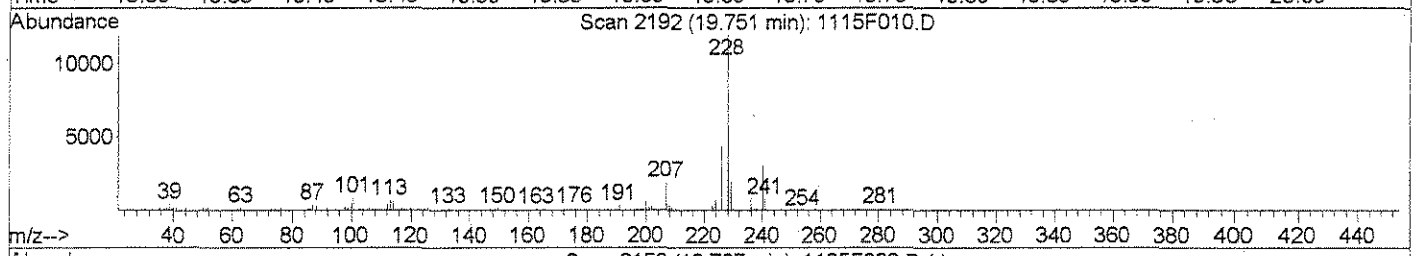
Quantitation Report (Qedit)

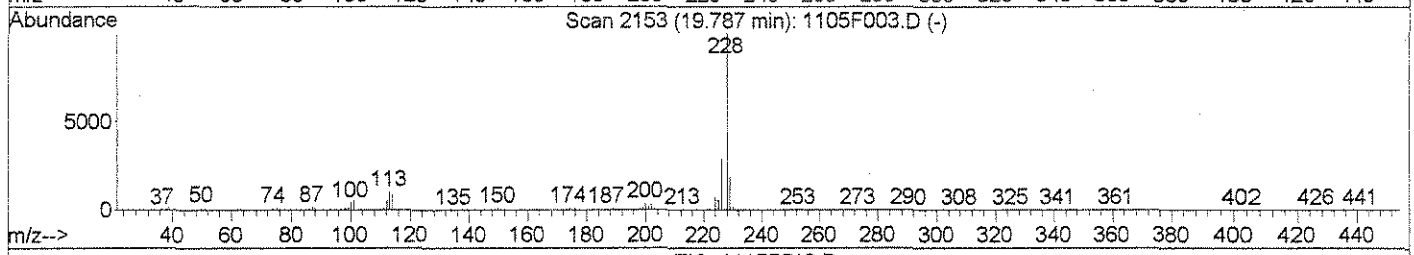
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(77) Chrysene (T)

19.75min 91.35ng/ml

response 20841

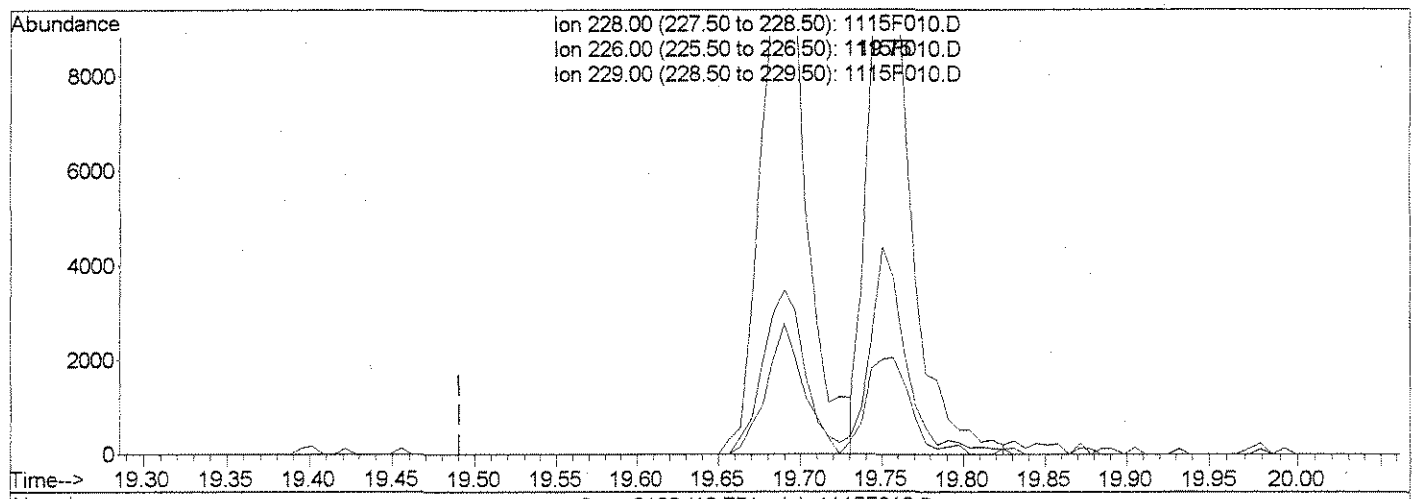
Ion	Exp%	Act%
228.00	100	100
226.00	28.60	37.09
229.00	19.60	16.92
0.00	0.00	0.00

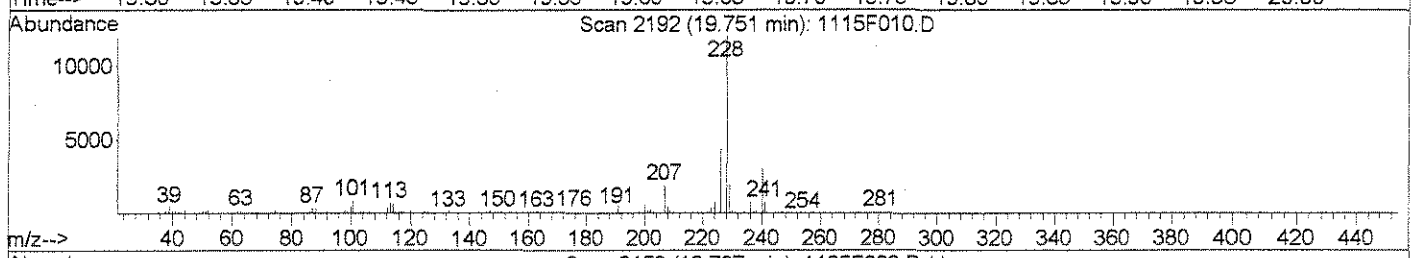
Quantitation Report (Qedit)

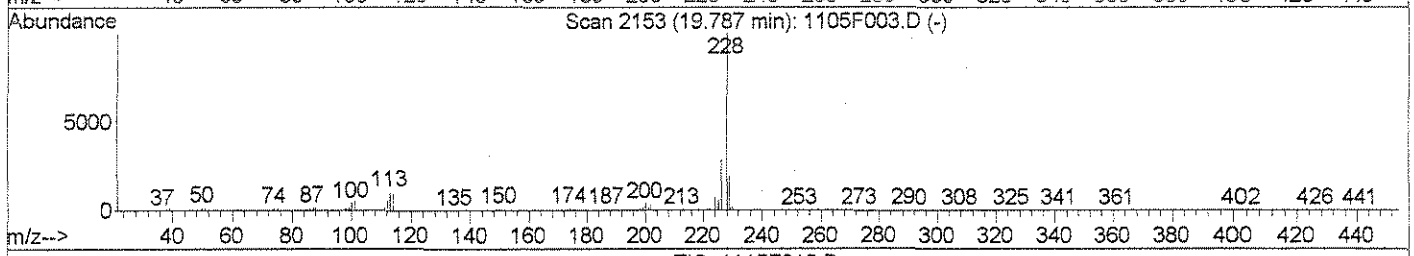
Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F010.D

(77) Chrysene (T)

19.75min 93.28ng/ml m

response 21280

Ion	Exp%	Act%
228.00	100	100
226.00	28.60	36.69
229.00	19.60	16.73
0.00	0.00	0.00

BL

NOV 16 2010

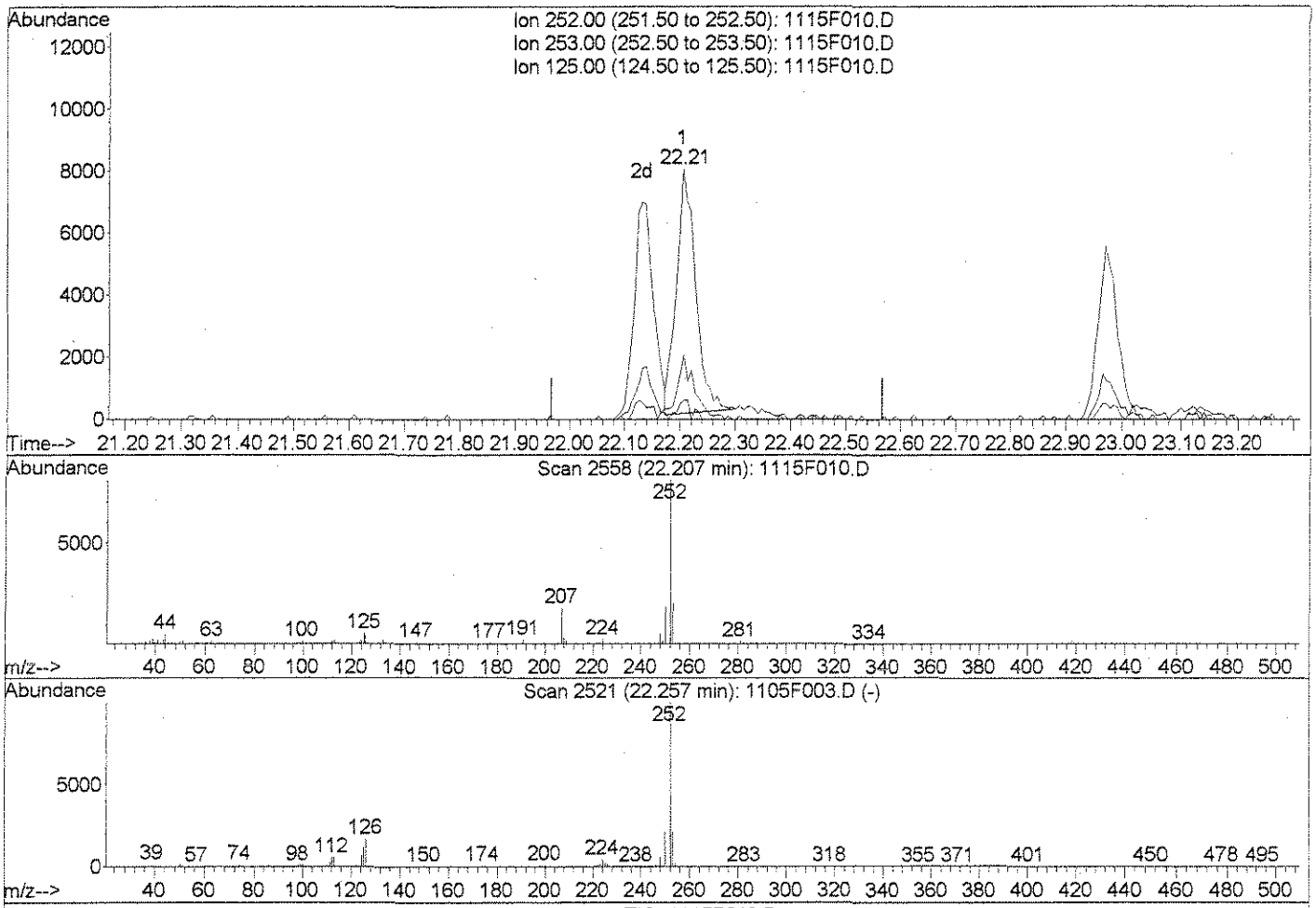
CH 11.17.10

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:36 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(82) Benzo(k)fluoranthene (T)

22.21min 83.54ng/ml

response 18857

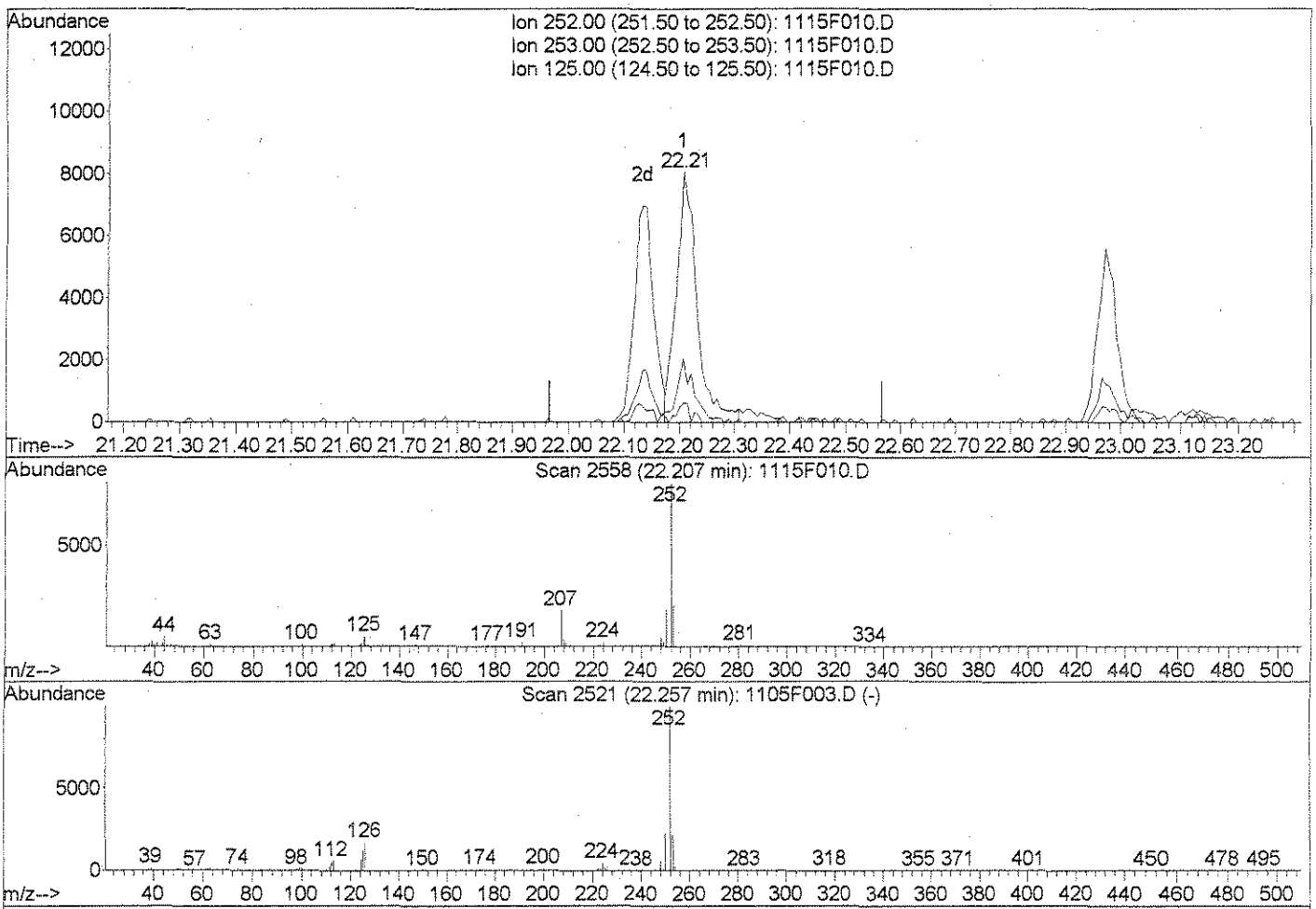
ion	Exp%	Act%
252.00	100	100
253.00	21.30	26.68
125.00	12.00	7.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F010.D
Acq On : 15 Nov 2010 5:09 pm
Sample : 0.10ug/mL ICAL SVO_LL | SVM33-63B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:37 2010

Vial: 6
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(82) Benzo(k)fluoranthene (T)

22.21min 92.24ng/ml m

response 20820

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	25.61
125.00	12.00	7.58
0.00	0.00	0.00

BL

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	62257	1000.00	ng/ml	-0.04
22) Naphthalene-d8	10.14	136	187342	1000.00	ng/ml	-0.03
36) Acenaphthene-d10	12.94	164	96972	1000.00	ng/ml	-0.03
60) Phenanthrene-d10	15.35	188	188726	1000.00	ng/ml	-0.02
70) Chrysene-d12	19.71	240	217428	1000.00	ng/ml	-0.03
79) Perylene-d12	23.13	264	194918	1000.00	ng/ml	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	6.66	112	11158	177.25	ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 110		Recovery = 4.73%#			
6) Phenol-d6	7.81	99	13092	171.36	ng/ml	-0.01
Spiked Amount 3750.000	Range 43 - 128		Recovery = 4.57%#			
20) Nitrobenzene-d5	9.06	82	15005	205.92	ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 8.24%#			
40) 2-Fluorobiphenyl	11.89	172	31269	229.39	ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 9.18%#			
61) 2,4,6-Tribromophenol	14.23	330	5958	194.89	ng/ml	-0.03
Spiked Amount 3750.000	Range 38 - 157		Recovery = 5.20%#			
73) Terphenyl-d14	18.01	244	33191	209.40	ng/ml	-0.03
Spiked Amount 2500.000	Range 54 - 158		Recovery = 8.38%#			

Target Compounds						Qvalue
5) Bis(2-chloroethyl) Ether	7.94	93	12630	197.62	ng/ml	96
7) Phenol	7.83	94	15634	193.92	ng/ml	76
8) Aniline	7.86	93	14725	174.22	ng/ml#	75
9) 2-Chlorophenol	7.99	128	13420	165.86	ng/ml	93
10) 1,3-Dichlorobenzene	8.19	146	17585	184.87	ng/ml	89
11) 1,4-Dichlorobenzene	8.30	146	18427	190.09	ng/ml	96
12) 1,2-Dichlorobenzene	8.51	146	16843	183.55	ng/ml	91
13) Benzyl Alcohol	8.50	108	6302	132.55	ng/ml	83
14) Bis(2-chloroisopropyl) Eth	8.69	45	24818	156.72	ng/ml	87
15) 2-Methylphenol	8.66	107	11020	193.80	ng/ml	89
16) Acetophenone	8.86	105	16913	166.98	ng/ml	97
17) Hexachloroethane	8.98	117	6127	141.26	ng/ml	74
18) N-Nitrosodi-n-propylamine	8.87	70	9658	184.42	ng/ml	87
19) 4-Methylphenol	8.88	107	13142	154.40	ng/ml	94
21) Nitrobenzene	9.09	77	14948	206.99	ng/ml	81
23) Isophorone	9.47	82	23535	190.15	ng/ml	96
24) 2-Nitrophenol	9.57	139	6951	210.16	ng/ml	89
25) 2,4-Dimethylphenol	9.68	122	10183	217.34	ng/ml#	80
26) Bis(2-chloroethoxy)methane	9.82	93	12528	191.68	ng/ml	90
27) 2,4-Dichlorophenol	9.94	162	10690	177.15	ng/ml	96

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
29) 1,2,4-Trichlorobenzene	10.06	180	15902	232.37 ng/ml	98
30) Naphthalene	10.17	128	36393	178.77 ng/ml	97
31) 4-Chloroaniline	10.30	127	15746	172.28 ng/ml	94
32) Hexachlorobutadiene	10.39	225	11778	238.95 ng/ml	95
33) 4-Chloro-3-methylphenol	11.10	107	11581	185.67 ng/ml	77
34) 2-Methylnaphthalene	11.27	141	20843	159.69 ng/ml	91
35) 1-Methylnaphthalene	11.43	141	21079	162.88 ng/ml	93
38) 2,4,6-Trichlorophenol	11.76	196	9766	239.65 ng/ml	94
39) 2,4,5-Trichlorophenol	11.81	196	9000m	194.46 ng/ml	
41) 2-Chloronaphthalene	12.05	127	10952	233.83 ng/ml	90
42) 2-Nitroaniline	12.25	65	8500	215.94 ng/ml#	73
43) Acenaphthylene	12.71	152	36598	189.34 ng/ml	97
44) Dimethyl Phthalate	12.59	163	28781	193.48 ng/ml	98
45) 2,6-Dinitrotoluene	12.66	165	6275	204.41 ng/ml	95
46) Acenaphthene	13.00	154	20006	170.00 ng/ml	93
47) 3-Nitroaniline	12.92	138	5938	166.50 ng/ml	93
49) Dibenzofuran	13.28	168	33692	182.14 ng/ml	90
50) 4-Nitrophenol	13.27	109	3817	154.16 ng/ml#	1
51) 2,4-Dinitrotoluene	13.31	165	8612	191.98 ng/ml	86
52) 2,3,4,6-Tetrachlorophenol	13.51	232	8069	194.70 ng/ml	95
53) Fluorene	13.84	166	26504	186.29 ng/ml	95
54) 4-Chlorophenyl Phenyl Ethe	13.88	204	16207	215.42 ng/ml	95
55) Diethyl Phthalate	13.74	149	31103	188.01 ng/ml	99
56) 4-Nitroaniline	13.90	138	5218	147.48 ng/ml#	69
57) 2-Methyl-4,6-dinitrophenol	13.97	198	2170	91.54 ng/ml	72
58) N-Nitrosodiphenylamine	14.08	169	18234	180.01 ng/ml	92
59) Azobenzene	14.13	77	28754	189.14 ng/ml	89
62) 4-Bromophenyl Phenyl Ether	14.66	248	10860	203.06 ng/ml	88
63) Hexachlorobenzene	14.72	284	12355	202.63 ng/ml	96
65) Phenanthrene	15.39	178	37663	160.73 ng/ml	97
66) Anthracene	15.47	178	37151	152.31 ng/ml	99
67) Carbazole	15.76	167	32487	153.68 ng/ml	97
68) Di-n-butyl Phthalate	16.43	149	43861	139.99 ng/ml	99
69) Fluoranthene	17.32	202	44534	168.29 ng/ml	96
71) Benzidine	17.60	184	17393	184.28 ng/ml	96
72) Pyrene	17.68	202	45241	191.58 ng/ml	97
74) Butyl Benzyl Phthalate	18.86	149	19633	154.44 ng/ml	79
75) 3,3'-Dichlorobenzidine	19.70	252	16268	174.56 ng/ml	98
76) Benz(a)anthracene	19.69	228	42770	185.63 ng/ml	97
77) Chrysene	19.76	228	45029	201.82 ng/ml	99
78) Bis(2-ethylhexyl) Phthalat	19.93	149	25416	143.75 ng/ml	92

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

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
80) Di-n-octyl Phthalate	21.44	149	37131	135.83 ng/ml	98
81) Benzo(b)fluoranthene	22.13	252	37079	171.88 ng/ml	97
82) Benzo(k)fluoranthene	22.21	252	40393m	180.27 ng/ml	
83) Benzo(a)pyrene	22.98	252	31031	160.08 ng/ml	88
84) Indeno(1,2,3-cd)pyrene	25.52	276	27158	159.62 ng/ml	92
85) Dibenz(a,h)anthracene	25.60	278	29150	163.96 ng/ml	88
86) Benzo(g,h,i)perylene	26.01	276	30907	163.27 ng/ml	85

NOV 16 2010

CH 11.17.10

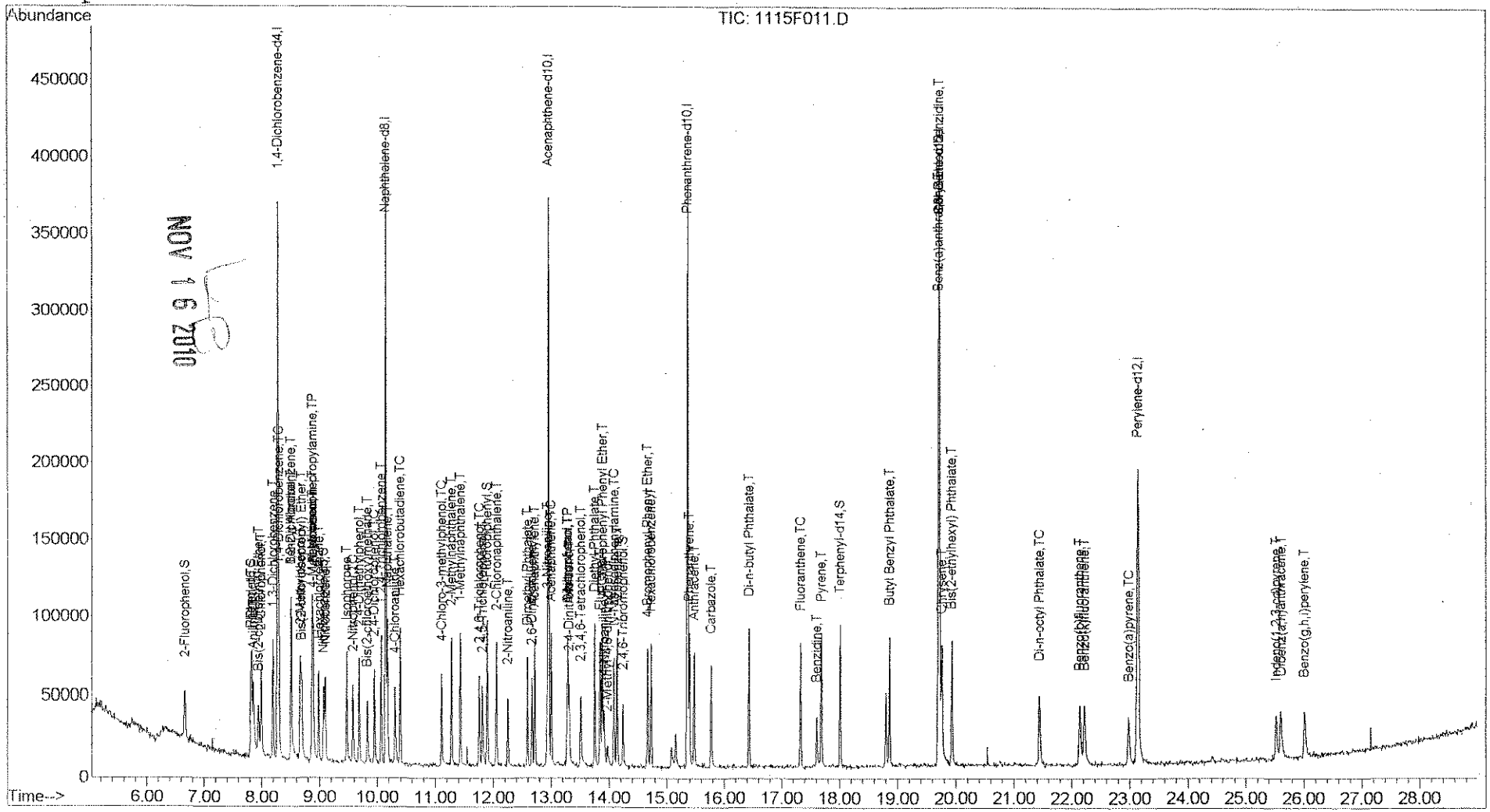
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS06\DATA\111510\1115F011.D
Acq On : 15 Nov 2010 5:46 pm
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



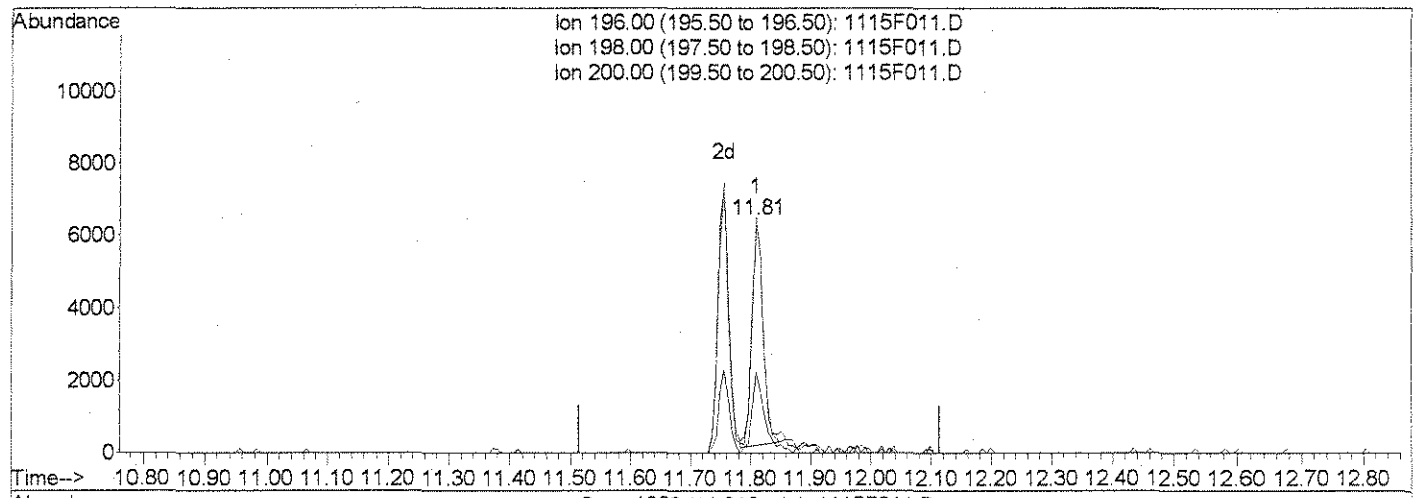
NOV 16 2010

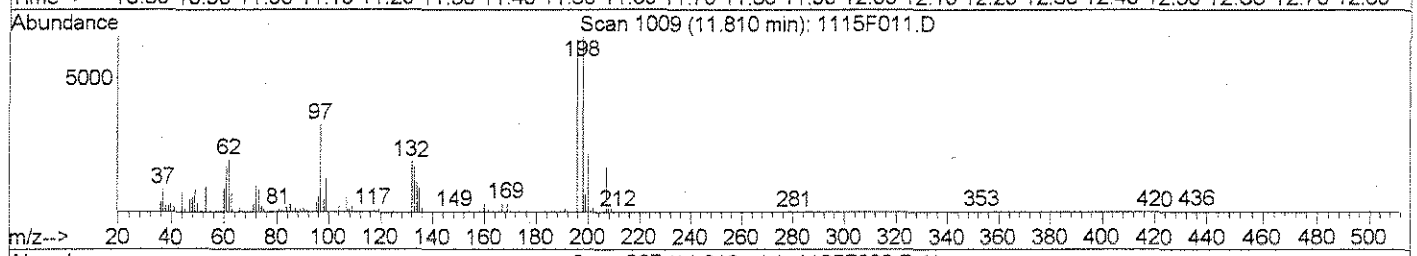
2392

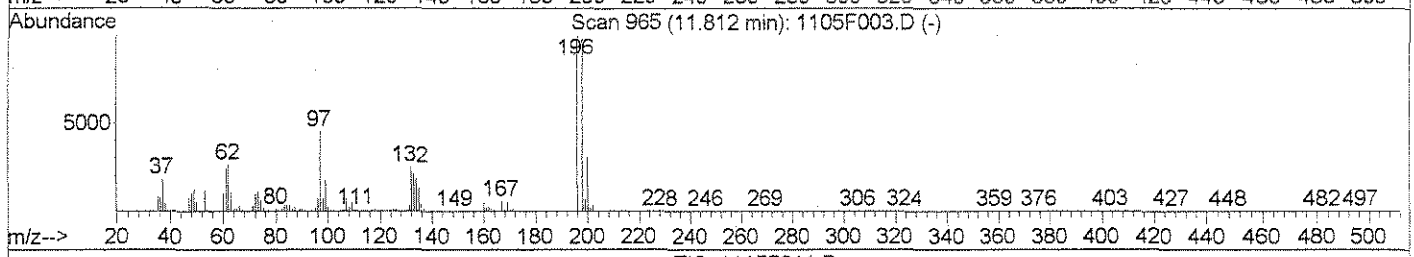
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:37 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F011.D

(39) 2,4,5-Trichlorophenol (T)

11.81min 174.67ng/ml

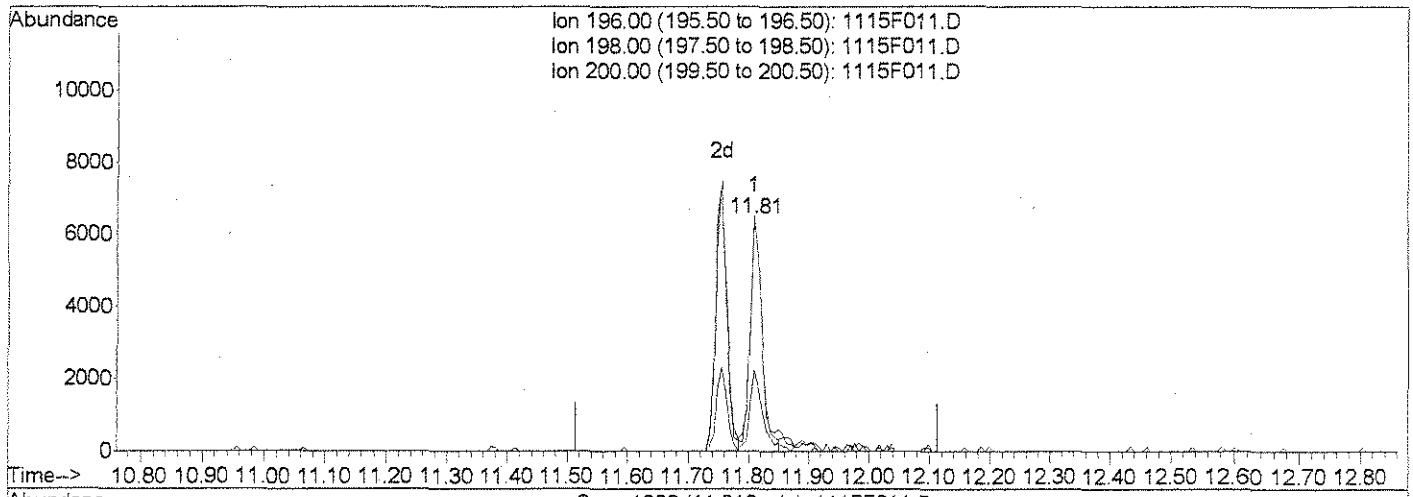
response 8084

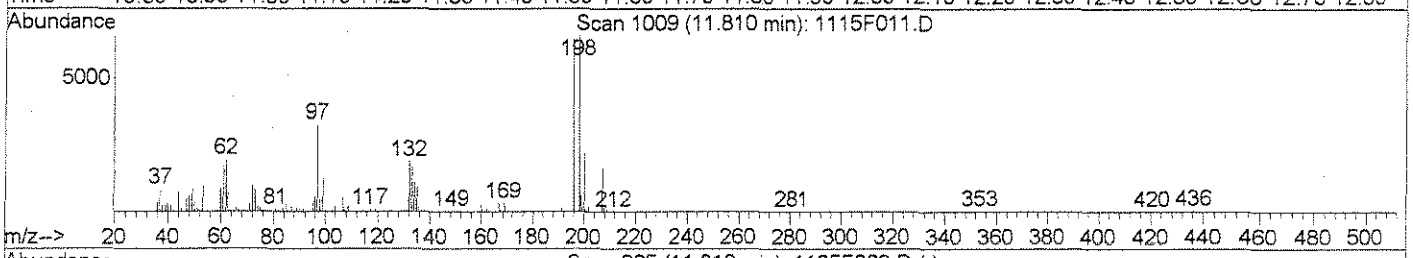
Ion	Exp%	Act%
196.00	100	100
198.00	98.80	101.89
200.00	30.30	36.56
0.00	0.00	0.00

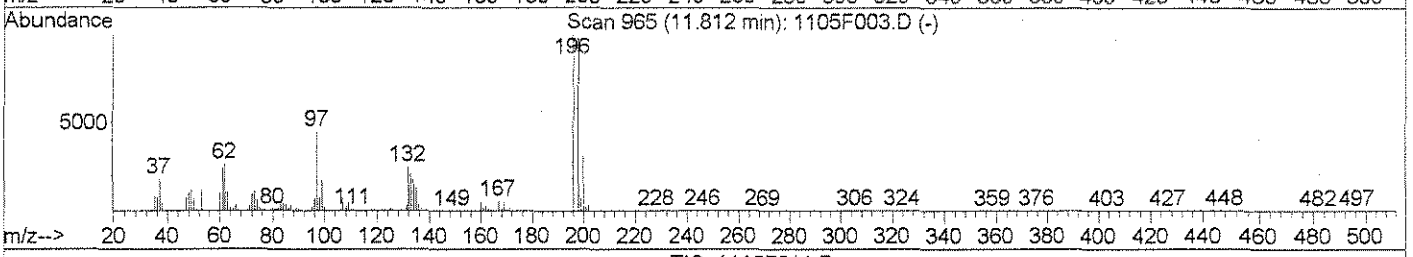
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F011.D Vial: 7
Acq On : 15 Nov 2010 5:46 pm Operator: KBailey
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:37 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F011.D

(39) 2,4,5-Trichlorophenol (T)

11.81min 194.46ng/ml m

response 9000

Ion	Exp%	Act%
196.00	100	100
198.00	98.80	101.48
200.00	30.30	34.80
0.00	0.00	0.00

BL

LB

NOV 16 2010

CH 11.17.10

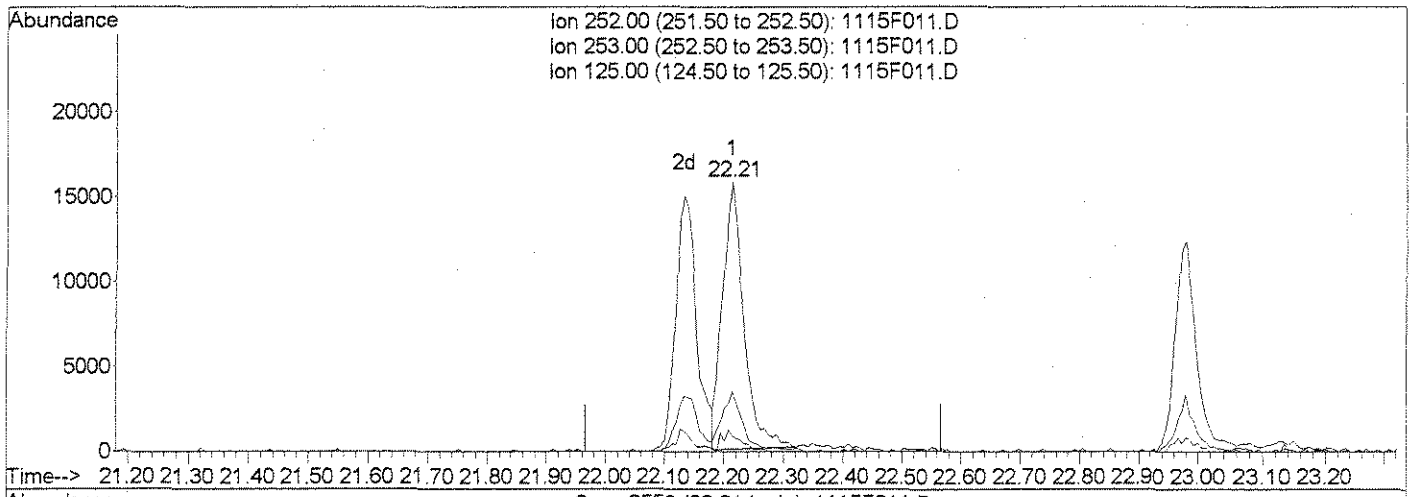
1115F011.D 111510_BNLL.M Tue Nov 16 08:37:44 2010

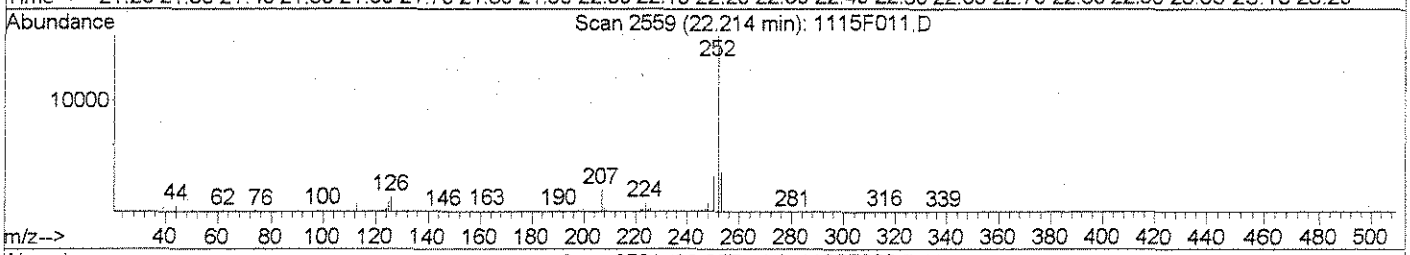
Quantitation Report (Qedit)

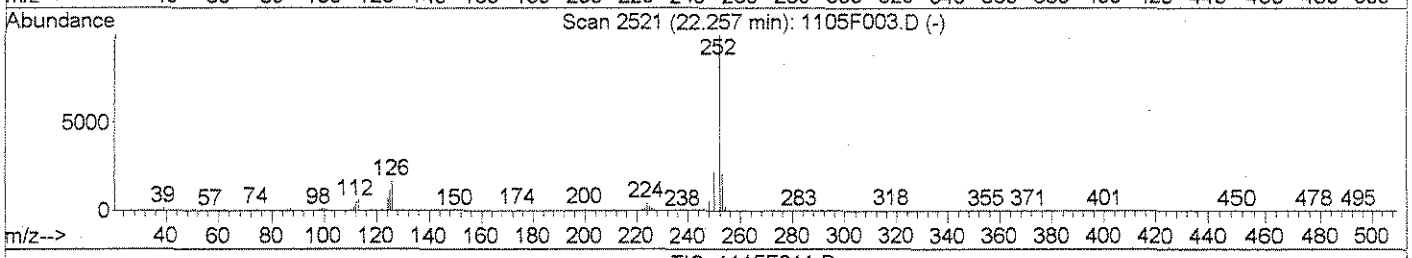
Data File : J:\MS06\DATA\111510\1115F011.D
Acq On : 15 Nov 2010 5:46 pm
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

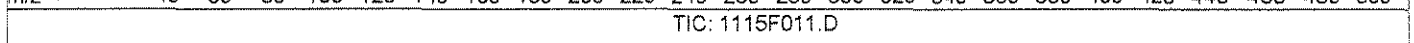
Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration









(82) Benzo(k)fluoranthene (T)

22.21min 173.03ng/ml

response 38769

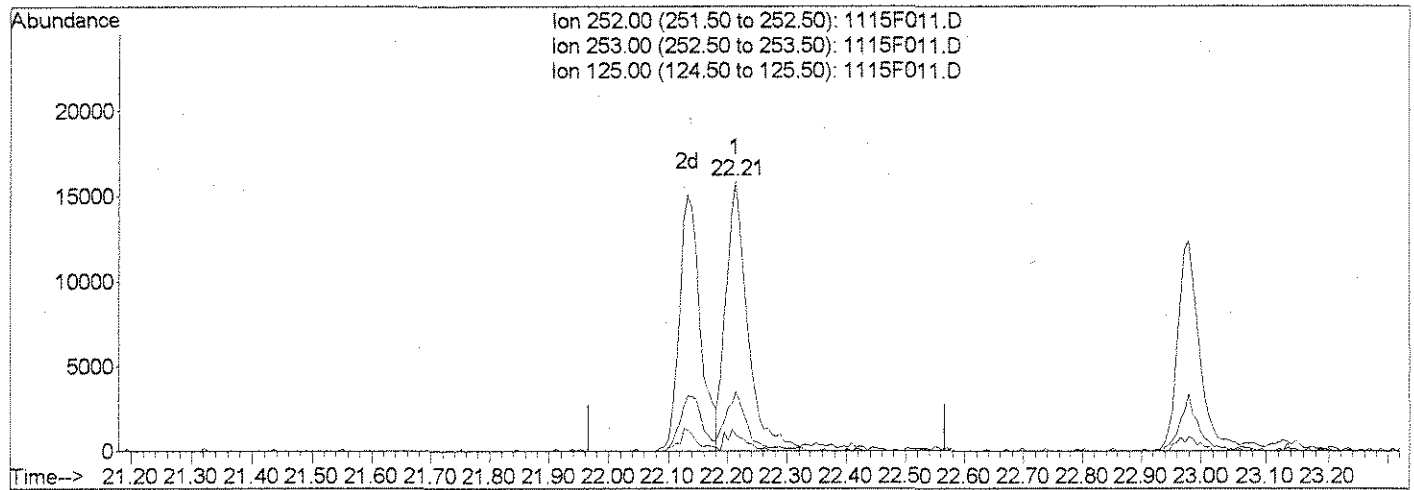
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.49
125.00	12.00	5.81
0.00	0.00	0.00

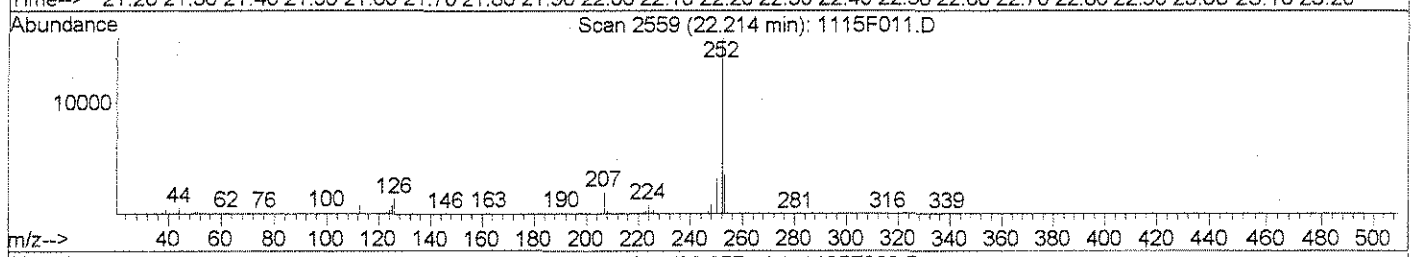
Quantitation Report (Qedit)

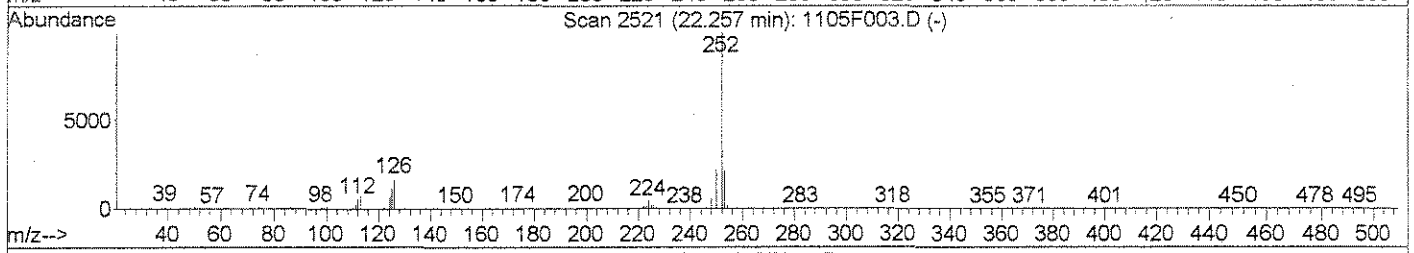
Data File : J:\MS06\DATA\111510\1115F011.D
Acq On : 15 Nov 2010 5:46 pm
Sample : 0.20ug/mL ICAL SVO_LL | SVM33-63C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

Vial: 7
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F011.D

(82) Benzo(k)fluoranthene (T)

22.21min 180.27ng/ml m

response 40393

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	22.40
125.00	12.00	5.71
0.00	0.00	0.00

BL

NOV 16 2010

CH 11-17-10

1115F011.D 111510_BNLL.M Tue Nov 16 08:38:18 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	65954	1000.00 ng/ml	-0.04
22) Naphthalene-d8	10.14	136	198296	1000.00 ng/ml	-0.02
36) Acenaphthene-d10	12.95	164	99399	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.35	188	196371	1000.00 ng/ml	-0.02
70) Chrysene-d12	19.71	240	229191	1000.00 ng/ml	-0.03
79) Perylene-d12	23.13	264	200187	1000.00 ng/ml	-0.03

System Monitoring Compounds					
4) 2-Fluorophenol	6.65	112	31333	469.83 ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 12.53%#		
6) Phenol-d6	7.81	99	37701	465.80 ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 12.42%#		
20) Nitrobenzene-d5	9.07	82	41545	538.17 ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 21.53%#		
40) 2-Fluorobiphenyl	11.89	172	83067	594.51 ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 23.78%#		
61) 2,4,6-Tribromophenol	14.24	330	16035	504.10 ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 13.44%#		
73) Terphenyl-d14	18.00	244	88619	530.39 ng/ml	-0.03
Spiked Amount 2500.000	Range 54 - 158		Recovery = 21.22%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.60	42	44669m	466.01 ng/ml	
3) Pyridine	5.62	79	30630m	459.46 ng/ml	
5) Bis(2-chloroethyl) Ether	7.93	93	27366m	404.20 ng/ml	
7) Phenol	7.83	94	41498	485.87 ng/ml	73
8) Aniline	7.85	93	40758	455.20 ng/ml#	79
9) 2-Chlorophenol	7.99	128	37901	442.17 ng/ml	93
10) 1,3-Dichlorobenzene	8.20	146	47264	469.04 ng/ml	98
11) 1,4-Dichlorobenzene	8.30	146	48818	475.36 ng/ml	98
12) 1,2-Dichlorobenzene	8.50	146	45344	466.46 ng/ml	97
13) Benzyl Alcohol	8.50	108	17873	354.84 ng/ml	87
14) Bis(2-chloroisopropyl) Eth	8.68	45	63493	378.47 ng/ml	91
15) 2-Methylphenol	8.66	107	27409	454.99 ng/ml	92
16) Acetophenone	8.86	105	46135	429.96 ng/ml	96
17) Hexachloroethane	8.98	117	18758	408.22 ng/ml	97
18) N-Nitrosodi-n-propylamine	8.87	70	26345	474.87 ng/ml	89
19) 4-Methylphenol	8.89	107	35145	389.77 ng/ml	92
21) Nitrobenzene	9.09	77	42832	559.85 ng/ml	87
23) Isophorone	9.46	82	65861	502.74 ng/ml	97
24) 2-Nitrophenol	9.57	139	20149	575.55 ng/ml	84
25) 2,4-Dimethylphenol	9.68	122	27054	545.53 ng/ml	90

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

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) Bis(2-chloroethoxy)methane	9.82	93	33365	482.30 ng/ml	97
27) 2,4-Dichlorophenol	9.95	162	29917	468.39 ng/ml	94
28) Benzoic Acid	9.81	122	6663m	810.57 ng/ml	
29) 1,2,4-Trichlorobenzene	10.06	180	41295	570.10 ng/ml	96
30) Naphthalene	10.18	128	96267	446.75 ng/ml	98
31) 4-Chloroaniline	10.30	127	38323	396.13 ng/ml	89
32) Hexachlorobutadiene	10.39	225	32841	629.46 ng/ml	99
33) 4-Chloro-3-methylphenol	11.10	107	30328	459.36 ng/ml#	71
34) 2-Methylnaphthalene	11.28	141	56772	410.93 ng/ml	93
35) 1-Methylnaphthalene	11.43	141	57537	420.03 ng/ml	93
37) Hexachlorocyclopentadiene	11.54	237	21510	476.44 ng/ml	99
38) 2,4,6-Trichlorophenol	11.75	196	25627	613.51 ng/ml	97
39) 2,4,5-Trichlorophenol	11.81	196	27005	569.24 ng/ml	88
41) 2-Chloronaphthalene	12.05	127	28053	584.32 ng/ml	96
42) 2-Nitroaniline	12.25	65	23244	573.78 ng/ml	84
43) Acenaphthylene	12.71	152	97601	492.61 ng/ml	99
44) Dimethyl Phthalate	12.59	163	76332	500.61 ng/ml	98
45) 2,6-Dinitrotoluene	12.67	165	18382	578.23 ng/ml	82
46) Acenaphthene	13.00	154	54751	453.89 ng/ml	97
47) 3-Nitroaniline	12.92	138	16739	455.66 ng/ml	98
48) 2,4-Dinitrophenol	13.10	184	4116	346.77 ng/ml	98
49) Dibenzofuran	13.28	168	90834	479.05 ng/ml	81
50) 4-Nitrophenol	13.26	109	12600	496.47 ng/ml	96
51) 2,4-Dinitrotoluene	13.31	165	24834	537.19 ng/ml	87
52) 2,3,4,6-Tetrachlorophenol	13.51	232	25718	601.07 ng/ml	92
53) Fluorene	13.84	166	69041	473.42 ng/ml	94
54) 4-Chlorophenyl Phenyl Ethe	13.87	204	43413	562.94 ng/ml	85
55) Diethyl Phthalate	13.75	149	78630	463.71 ng/ml	98
56) 4-Nitroaniline	13.91	138	15261	420.80 ng/ml#	63
57) 2-Methyl-4,6-dinitrophenol	13.97	198	10475	425.71 ng/ml	93
58) N-Nitrosodiphenylamine	14.08	169	51997	500.80 ng/ml	98
59) Azobenzene	14.13	77	77311	496.14 ng/ml	94
62) 4-Bromophenyl Phenyl Ether	14.67	248	27992	503.02 ng/ml	100
63) Hexachlorobenzene	14.73	284	30932	487.56 ng/ml	91
64) Pentachlorophenol	15.07	266	12860	356.03 ng/ml	99
65) Phenanthrene	15.39	178	97669	400.59 ng/ml	99
66) Anthracene	15.47	178	98269	387.19 ng/ml	98
67) Carbazole	15.77	167	88627	402.94 ng/ml	98
68) Di-n-butyl Phthalate	16.43	149	122333	375.24 ng/ml	99
69) Fluoranthene	17.32	202	119812	435.13 ng/ml	94
71) Benzidine	17.61	184	59109	594.11 ng/ml	96

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:58 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	Pyrene	17.68	202	124262	499.20 ng/ml	99
74)	Butyl Benzyl Phthalate	18.86	149	53393	398.46 ng/ml	94
75)	3,3'-Dichlorobenzidine	19.70	252	47496	483.50 ng/ml	99
76)	Benz(a)anthracene	19.69	228	115171	474.20 ng/ml	98
77)	Chrysene	19.75	228	113348	481.96 ng/ml	97
78)	Bis(2-ethylhexyl) Phthalat	19.93	149	69303	371.85 ng/ml	87
80)	Di-n-octyl Phthalate	21.44	149	107075	378.45 ng/ml	98
81)	Benzo(b)fluoranthene	22.14	252	99854	450.70 ng/ml	92
82)	Benzo(k)fluoranthene	22.22	252	115388	501.42 ng/ml	93
83)	Benzo(a)pyrene	22.98	252	84275	423.32 ng/ml	93
84)	Indeno(1,2,3-cd)pyrene	25.52	276	74919	428.73 ng/ml	90
85)	Dibenz(a,h)anthracene	25.60	278	81891	448.49 ng/ml	92
86)	Benzo(g,h,i)perylene	26.02	276	85653	440.55 ng/ml	87

LB
NOV 16 2010

CH 11.17.10

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

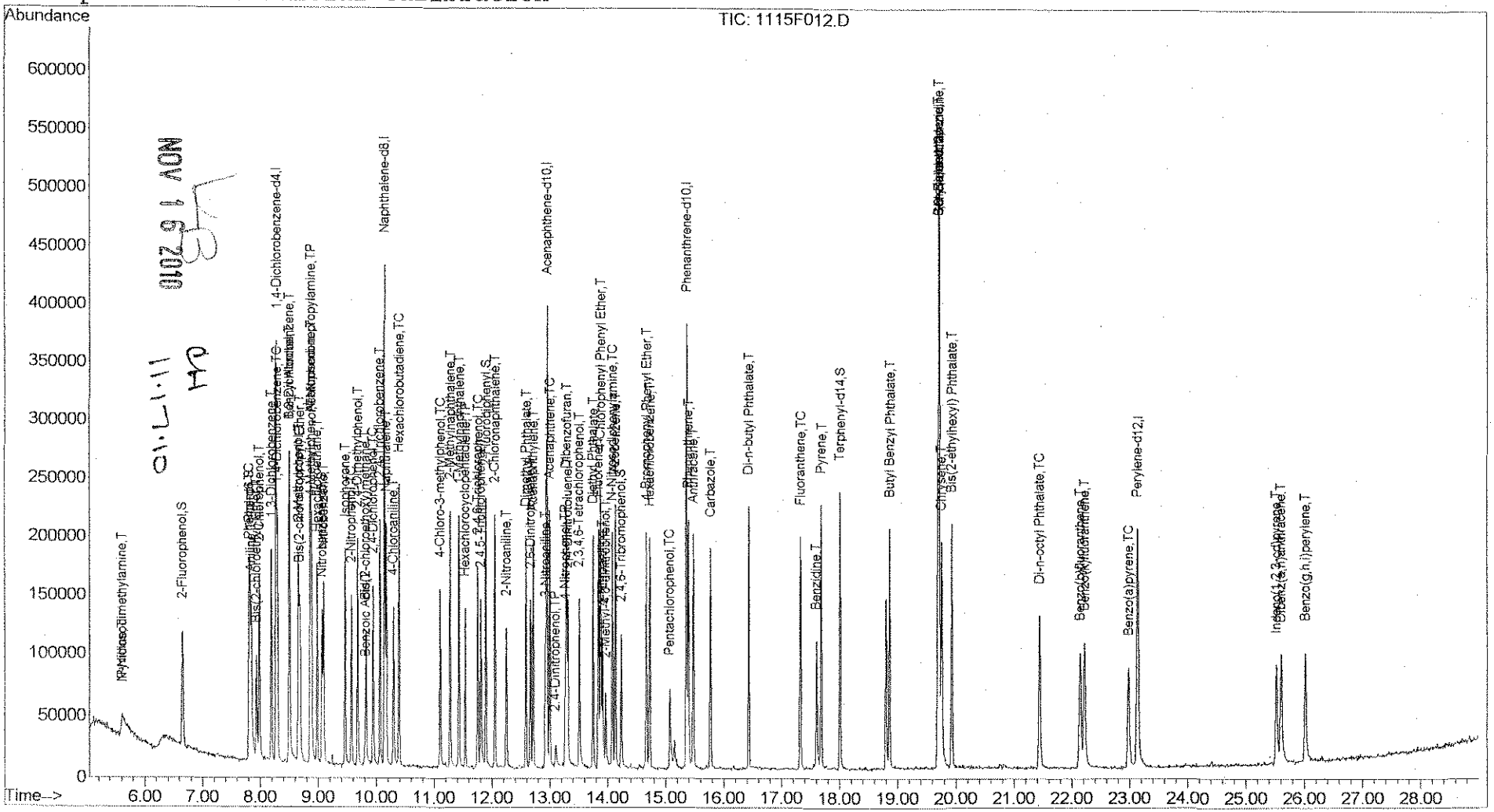
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



NOV 16 2010

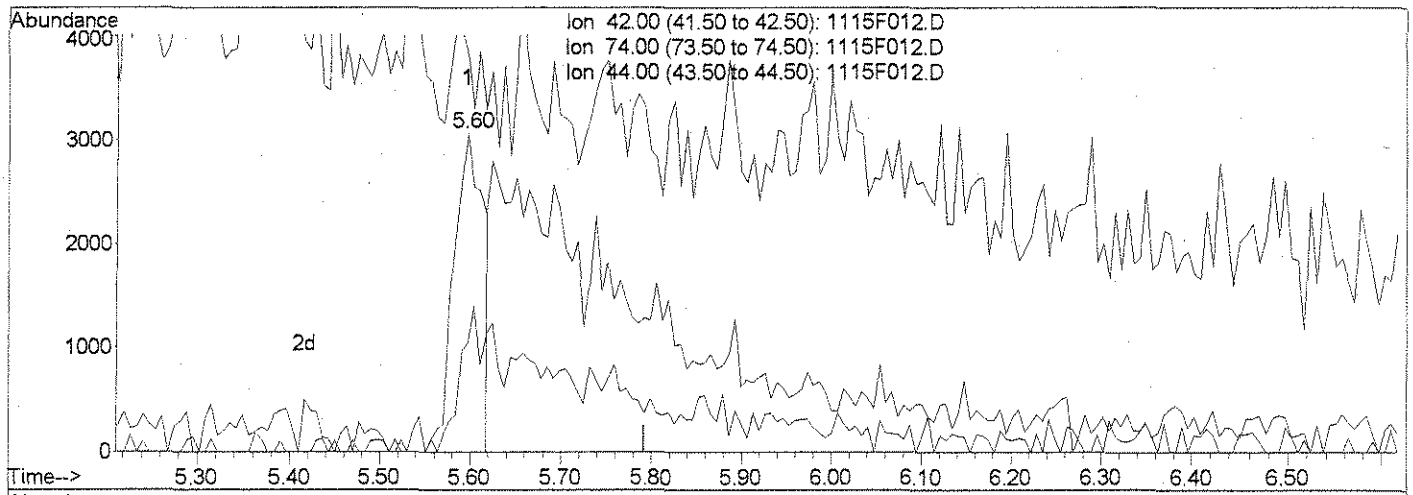
2400

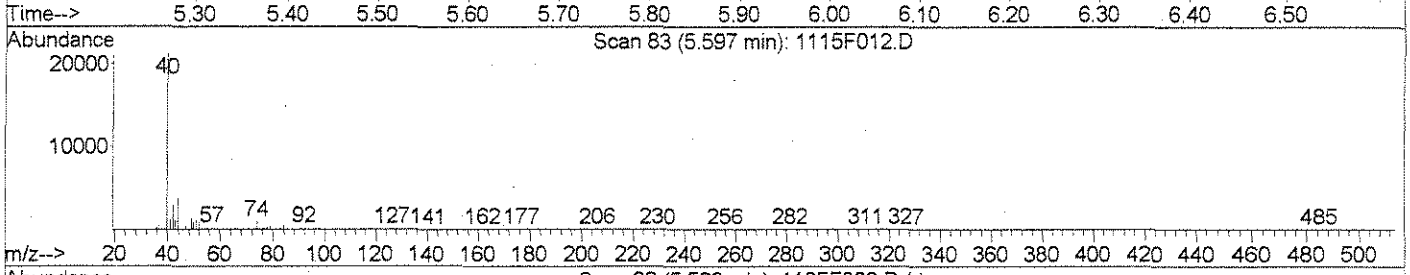
Quantitation Report (Qedit)

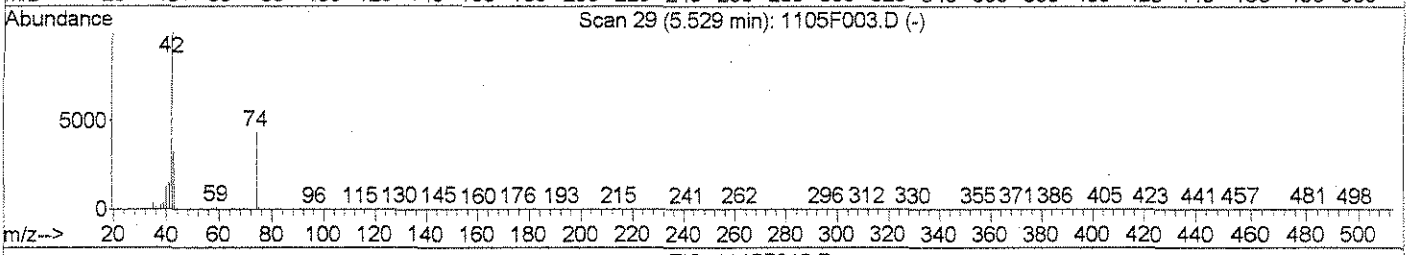
Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:31 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F012.D

(2) N-Nitrosodimethylamine (T)

5.60min 72.55ng/ml

response 6954

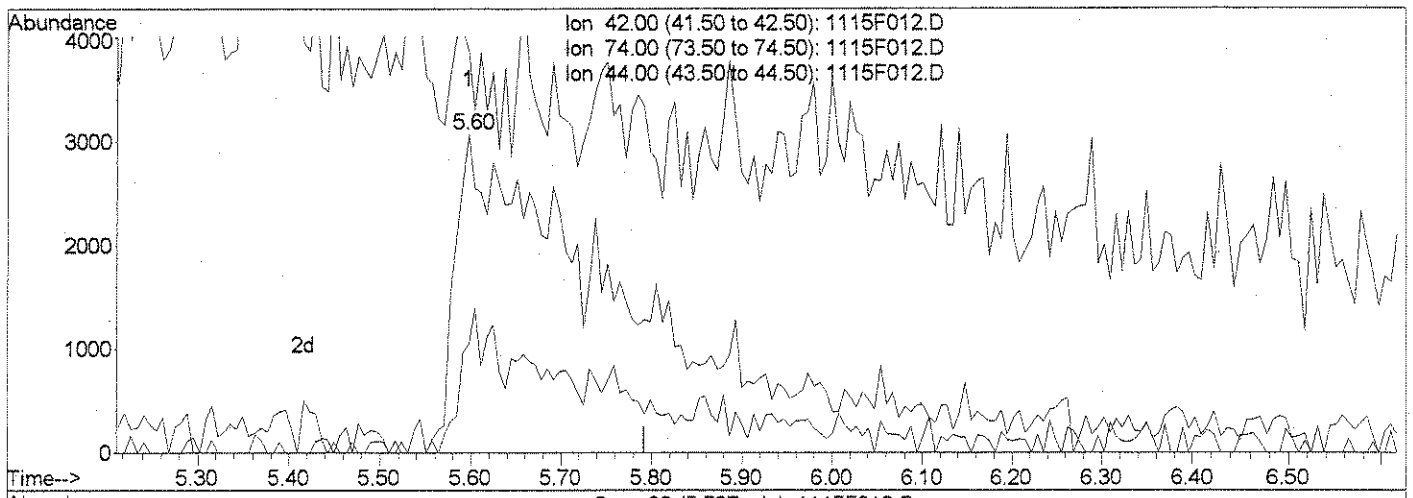
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	34.13
44.00	6.60	18.17
0.00	0.00	0.00

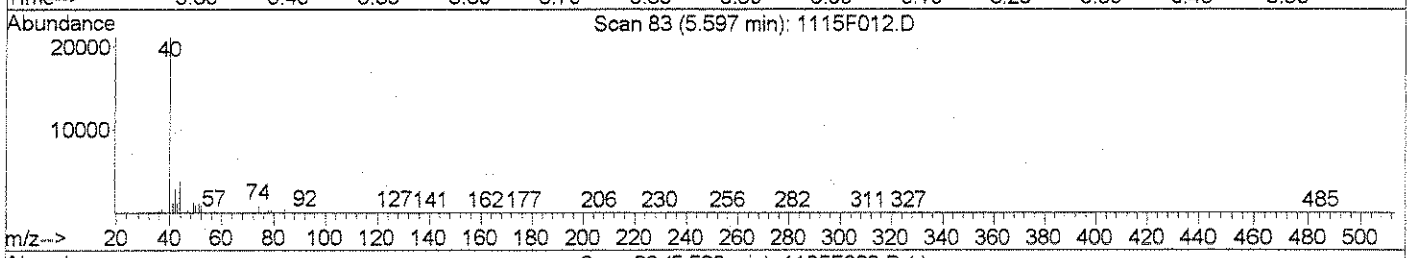
Quantitation Report (Qedit)

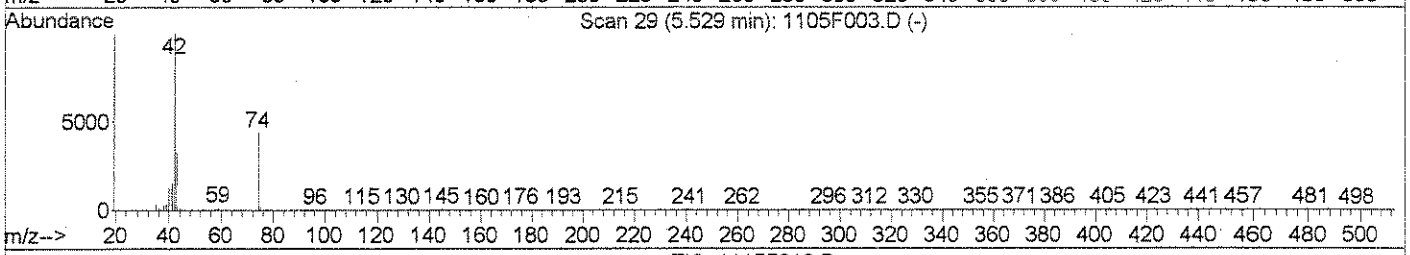
Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F012.D

(2) N-Nitrosodimethylamine (T)

5.60min 466.01ng/ml m

response 44669

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	34.13
44.00	6.60	125.53#
0.00	0.00	0.00

NOV 16 2010

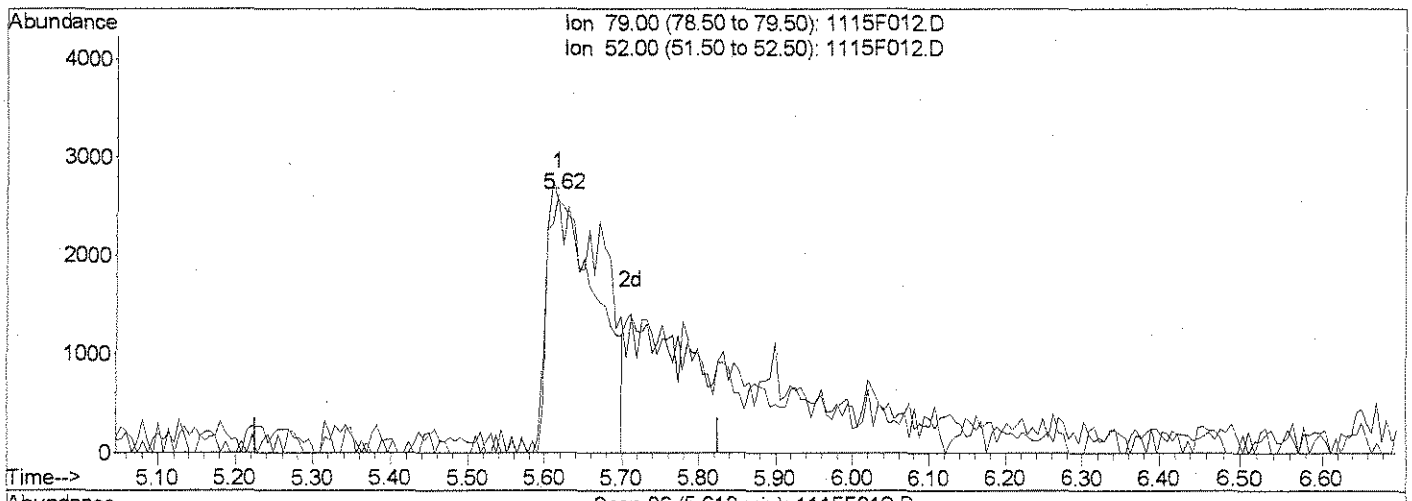
CH 11.17.10

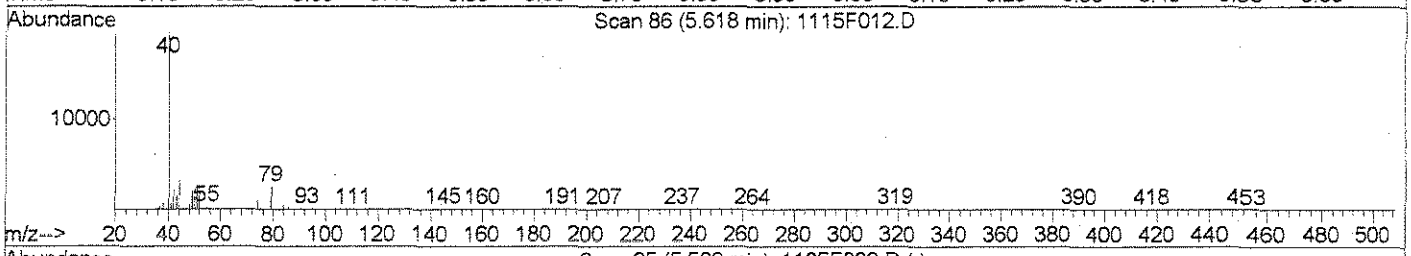
1115F012.D 111510_BNLL.M Tue Nov 16 08:38:34 2010

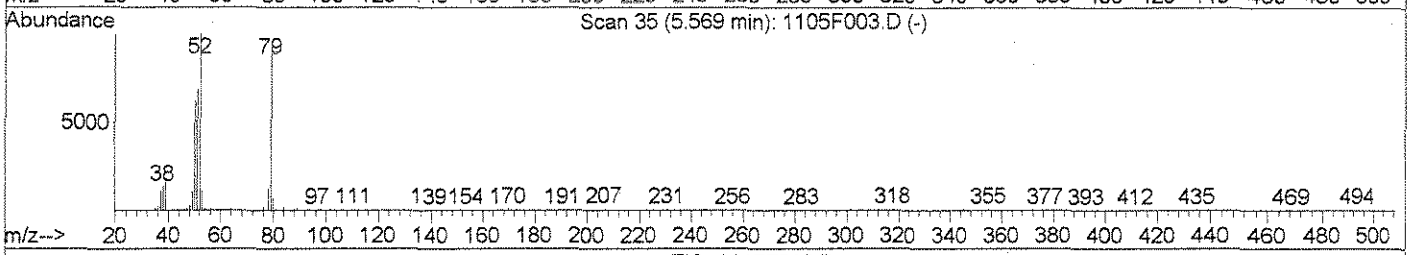
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F012.D

(3) Pyridine (T)

5.62min 170.42ng/ml

response 11361

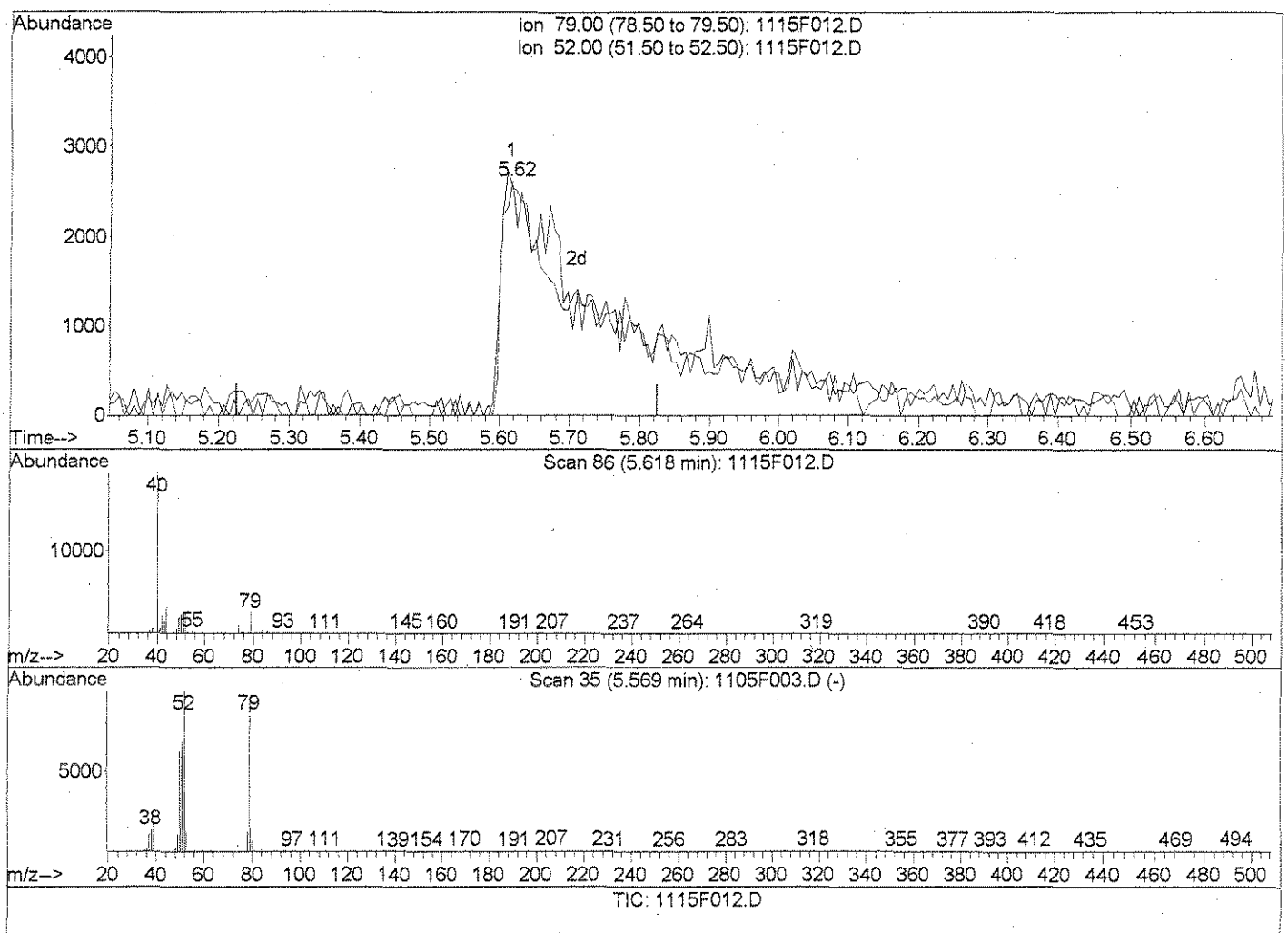
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	97.52
0.00	0.00	0.00
0.00	0.00	0.00

1115F012.D 111510_BNLL.M Tue Nov 16 08:38:37 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



(3) Pyridine (T)

5.62min 459.46ng/ml m

response 30630

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	97.52
0.00	0.00	0.00
0.00	0.00	0.00

1C

NOV 16 2010

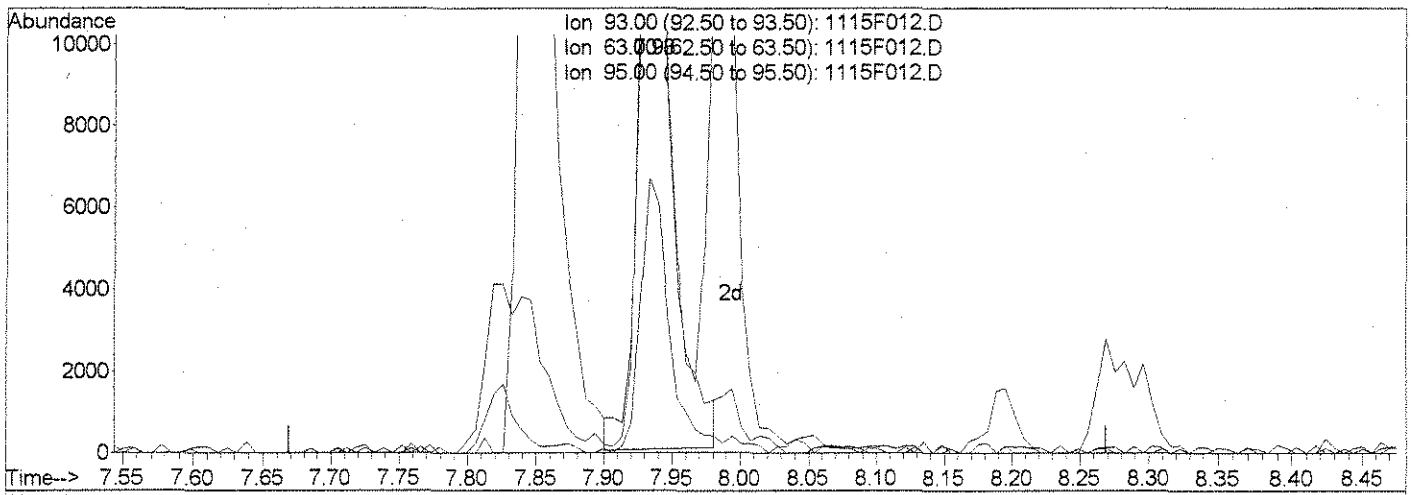
CH 11.17.10

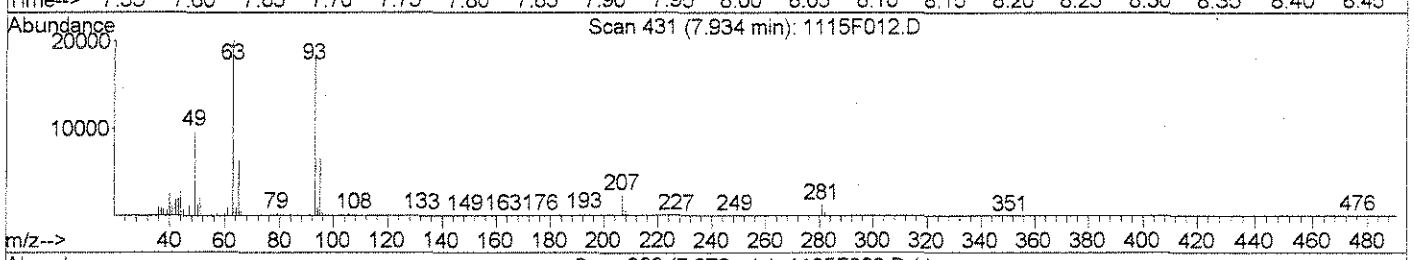
1115F012.D 111510_BNLL.M Tue Nov 16 08:38:43 2010

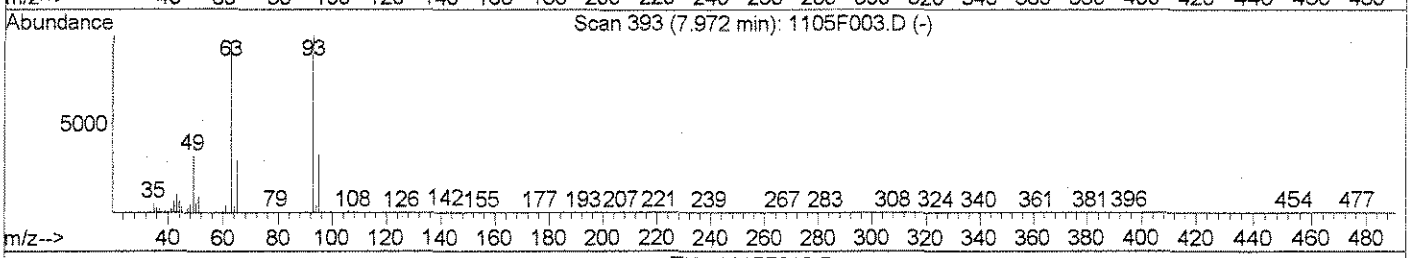
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F012.D

(5) Bis(2-chloroethyl) Ether (T)

7.93min 414.97ng/ml

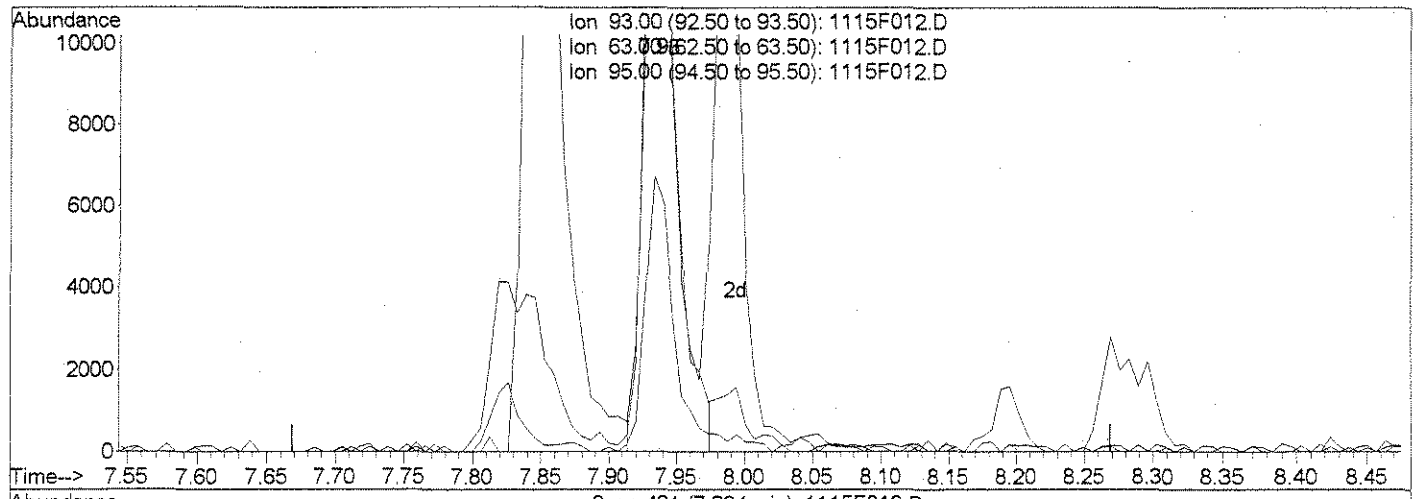
response 28095

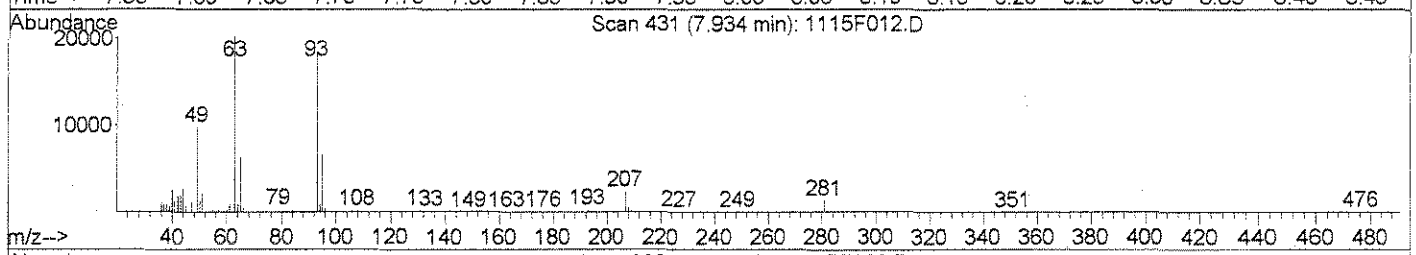
Ion	Exp%	Act%
93.00	100	100
63.00	94.80	113.64
95.00	33.70	37.57
0.00	0.00	0.00

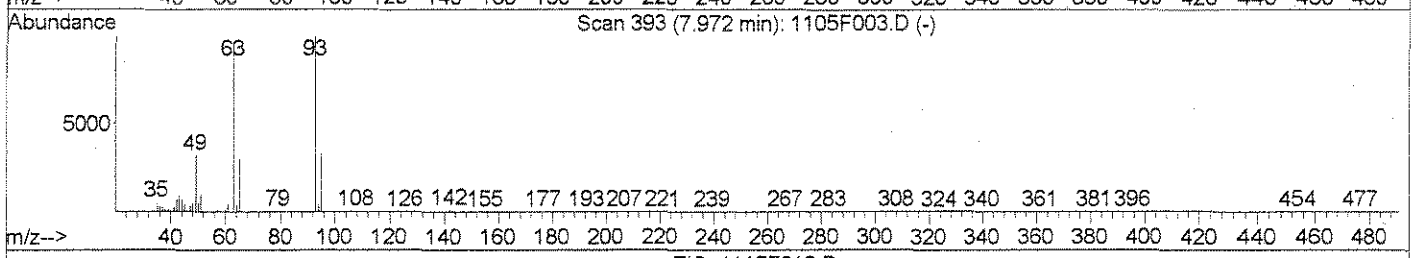
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F012.D Vial: 8
Acq On : 15 Nov 2010 6:24 pm Operator: KBailey
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F012.D

(5) Bis(2-chloroethyl) Ether (T)

7.93min 404.20ng/ml m

response 27366

Ion	Exp%	Act%
93.00	100	100
63.00	94.80	109.57
95.00	33.70	36.43
0.00	0.00	0.00

D1

NOV 16 2010

CH 11·17·10

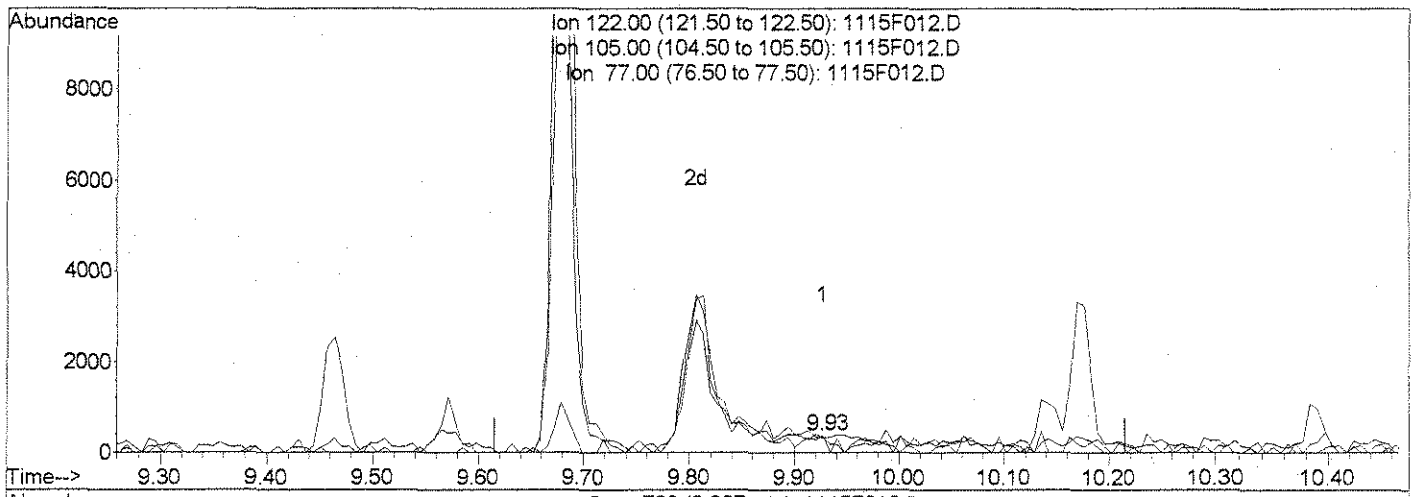
1115F012.D 111510_BNLL.M Tue Nov 16 08:38:53 2010

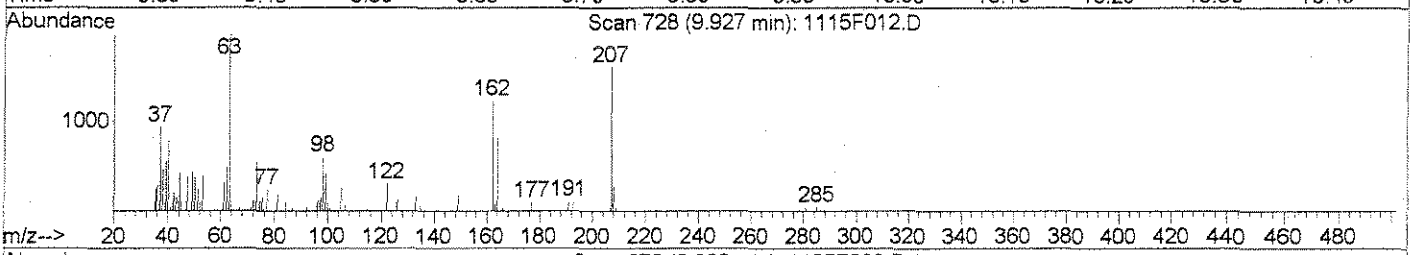
Quantitation Report (Qedit)

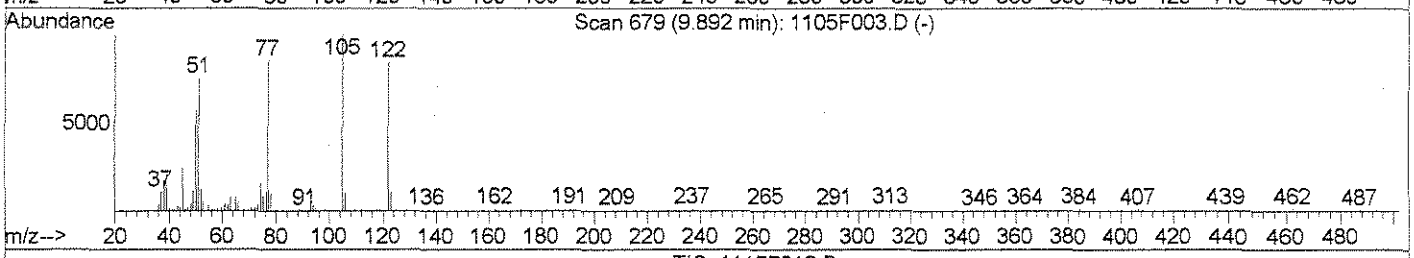
Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:38 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F012.D

(28) Benzoic Acid (T)

9.93min 668.86ng/ml

response 619

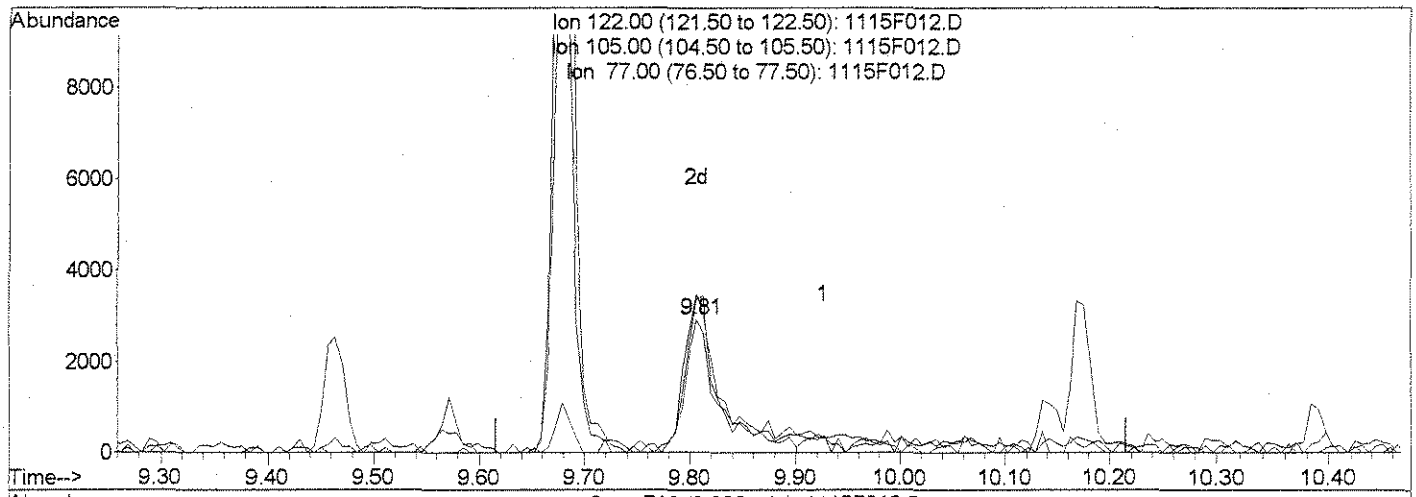
Ion	Exp%	Act%
122.00	100	100
105.00	122.80	87.20#
77.00	88.90	0.00#
0.00	0.00	0.00

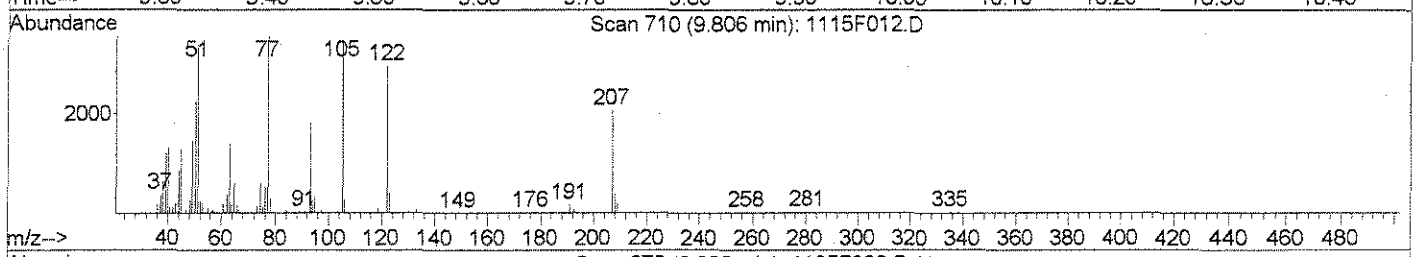
Quantitation Report (Qedit)

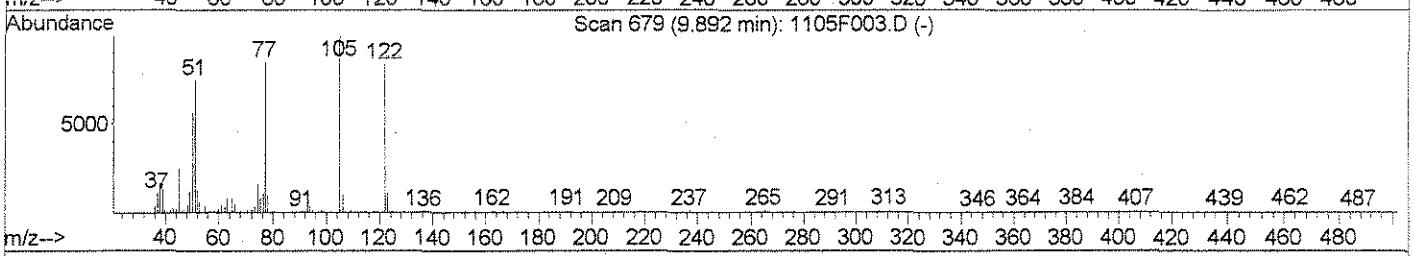
Data File : J:\MS06\DATA\111510\1115F012.D
Acq On : 15 Nov 2010 6:24 pm
Sample : 0.50ug/mL ICAL SVO_LL | SVM33-63D
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010

Vial: 8
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F012.D

(28) Benzoic Acid (T)

9.81min 810.57ng/ml m

response 6663

Ion	Exp%	Act%
122.00	100	100
105.00	122.80	115.00
77.00	88.90	118.96#
0.00	0.00	0.00

WP

NOV 16 2010

CH 11.17.10

1115F012.D 111510_BNLL.M Tue Nov 16 08:39:12 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:59 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	66801	1000.00 ng/ml	-0.04
22) Naphthalene-d8	10.14	136	202904	1000.00 ng/ml	-0.02
36) Acenaphthene-d10	12.95	164	105559	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.36	188	207174	1000.00 ng/ml	-0.02
70) Chrysene-d12	19.71	240	237674	1000.00 ng/ml	-0.02
79) Perylene-d12	23.14	264	206123	1000.00 ng/ml	-0.02

System Monitoring Compounds					
4) 2-Fluorophenol	6.65	112	67477	998.98 ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 26.64%#		
6) Phenol-d6	7.81	99	79000	963.68 ng/ml	-0.02
Spiked Amount 3750.000	Range 43 - 128		Recovery = 25.70%#		
20) Nitrobenzene-d5	9.07	82	90375	1155.87 ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 46.23%		
40) 2-Fluorobiphenyl	11.89	172	173719	1170.75 ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 46.83%		
61) 2,4,6-Tribromophenol	14.24	330	35967	1071.76 ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 28.58%#		
73) Terphenyl-d14	18.01	244	190657	1100.37 ng/ml	-0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 44.01%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.52	42	94319m	971.51 ng/ml	
3) Pyridine	5.53	79	65525m	970.44 ng/ml	
5) Bis(2-chloroethyl) Ether	7.93	93	62801	915.82 ng/ml	98
7) Phenol	7.83	94	87634	1013.03 ng/ml	74
8) Aniline	7.85	93	91906	1013.42 ng/ml#	78
9) 2-Chlorophenol	7.99	128	80226	924.09 ng/ml	98
10) 1,3-Dichlorobenzene	8.19	146	100737	987.01 ng/ml	98
11) 1,4-Dichlorobenzene	8.30	146	100420	965.44 ng/ml	96
12) 1,2-Dichlorobenzene	8.50	146	94345	958.23 ng/ml	96
13) Benzyl Alcohol	8.50	108	39834	780.82 ng/ml	92
14) Bis(2-chloroisopropyl) Eth	8.68	45	135404	796.89 ng/ml	93
15) 2-Methylphenol	8.66	107	55478	909.26 ng/ml	87
16) Acetophenone	8.86	105	97202	894.40 ng/ml	95
17) Hexachloroethane	8.98	117	40761	875.82 ng/ml	89
18) N-Nitrosodi-n-propylamine	8.87	70	58523	1041.51 ng/ml	84
19) 4-Methylphenol	8.89	107	76049	832.72 ng/ml	96
21) Nitrobenzene	9.09	77	88016	1135.85 ng/ml	93
23) Isophorone	9.46	82	143716	1072.12 ng/ml	97
24) 2-Nitrophenol	9.57	139	45559	1271.82 ng/ml	88
25) 2,4-Dimethylphenol	9.68	122	59690	1176.28 ng/ml	85

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:59 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.83	93	71451	1009.39 ng/ml	98
27)	2,4-Dichlorophenol	9.95	162	65312	999.33 ng/ml	96
28)	Benzoic Acid	9.83	122	18704	1079.51 ng/ml	82
29)	1,2,4-Trichlorobenzene	10.07	180	89032	1201.23 ng/ml	98
30)	Naphthalene	10.18	128	206692	937.42 ng/ml	99
31)	4-Chloroaniline	10.30	127	85894	867.69 ng/ml	92
32)	Hexachlorobutadiene	10.39	225	68274	1278.89 ng/ml	97
33)	4-Chloro-3-methylphenol	11.10	107	65741	973.13 ng/ml	76
34)	2-Methylnaphthalene	11.28	141	118159	835.84 ng/ml	95
35)	1-Methylnaphthalene	11.43	141	122726	875.58 ng/ml	91
37)	Hexachlorocyclopentadiene	11.54	237	60581	1263.55 ng/ml	96
38)	2,4,6-Trichlorophenol	11.75	196	56095	1264.54 ng/ml	97
39)	2,4,5-Trichlorophenol	11.81	196	60261m	1196.11 ng/ml	
41)	2-Chloronaphthalene	12.05	127	57395	1125.72 ng/ml	99
42)	2-Nitroaniline	12.25	65	49990	1154.52 ng/ml	92
43)	Acenaphthylene	12.71	152	208728	992.01 ng/ml	99
44)	Dimethyl Phthalate	12.59	163	162035	1000.66 ng/ml	99
45)	2,6-Dinitrotoluene	12.67	165	38817	1132.64 ng/ml	87
46)	Acenaphthene	13.00	154	115488	901.54 ng/ml	99
47)	3-Nitroaniline	12.93	138	37423	951.29 ng/ml	93
48)	2,4-Dinitrophenol	13.10	184	13731	1004.53 ng/ml	90
49)	Dibenzofuran	13.28	168	191048	948.78 ng/ml	88
50)	4-Nitrophenol	13.26	109	29926	1110.35 ng/ml	85
51)	2,4-Dinitrotoluene	13.31	165	54298	1096.47 ng/ml	82
52)	2,3,4,6-Tetrachlorophenol	13.51	232	55942	1217.87 ng/ml	96
53)	Fluorene	13.84	166	150568	972.22 ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.88	204	92790	1133.00 ng/ml	96
55)	Diethyl Phthalate	13.75	149	168115	933.57 ng/ml	98
56)	4-Nitroaniline	13.91	138	37335	969.37 ng/ml	82
57)	2-Methyl-4,6-dinitrophenol	13.97	198	28836	1077.38 ng/ml	89
58)	N-Nitrosodiphenylamine	14.08	169	108506	984.08 ng/ml	96
59)	Azobenzene	14.14	77	167351	1011.29 ng/ml	93
62)	4-Bromophenyl Phenyl Ether	14.67	248	60238	1026.03 ng/ml	97
63)	Hexachlorobenzene	14.73	284	65007	971.22 ng/ml	90
64)	Pentachlorophenol	15.08	266	34443	888.02 ng/ml	94
65)	Phenanthrene	15.39	178	206536	802.94 ng/ml	99
66)	Anthracene	15.48	178	216044	806.85 ng/ml	99
67)	Carbazole	15.77	167	188682	813.10 ng/ml	99
68)	Di-n-butyl Phthalate	16.43	149	260855	758.41 ng/ml	99
69)	Fluoranthene	17.32	202	262040	902.05 ng/ml	95
71)	Benzidine	17.61	184	130914	1268.87 ng/ml	96

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

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:31:59 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	Pyrene	17.69	202	262692	1017.65 ng/ml	98
74)	Butyl Benzyl Phthalate	18.86	149	113322	815.51 ng/ml	92
75)	3,3'-Dichlorobenzidine	19.70	252	104193	1022.81 ng/ml	97
76)	Benz(a)anthracene	19.69	228	242995	964.79 ng/ml	99
77)	Chrysene	19.76	228	251692	1032.01 ng/ml	98
78)	Bis(2-ethylhexyl) Phthalat	19.93	149	149921	775.70 ng/ml	90
80)	Di-n-octyl Phthalate	21.43	149	237195	803.37 ng/ml	97
81)	Benzo(b)fluoranthene	22.14	252	222573	975.66 ng/ml	95
82)	Benzo(k)fluoranthene	22.22	252	245476	1036.00 ng/ml	94
83)	Benzo(a)pyrene	22.98	252	184087	898.05 ng/ml	95
84)	Indeno(1,2,3-cd)pyrene	25.53	276	167748	932.32 ng/ml	89
85)	Dibenz(a,h)anthracene	25.61	278	174439	927.83 ng/ml	92
86)	Benzo(g,h,i)perylene	26.02	276	187198	935.11 ng/ml	87

NOV 16 2010

CH 11.17.10

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

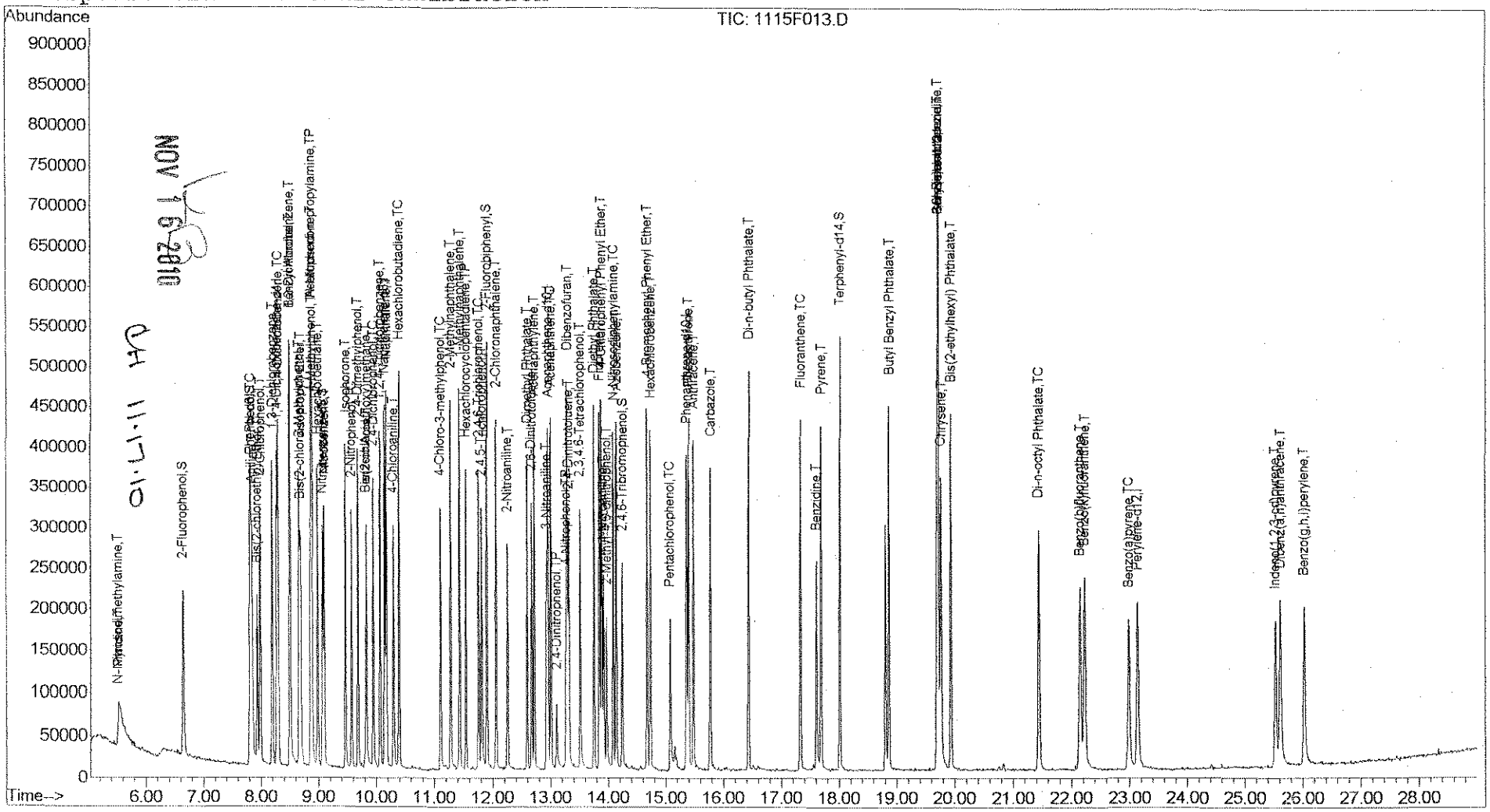
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 7:02 pm
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:40 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



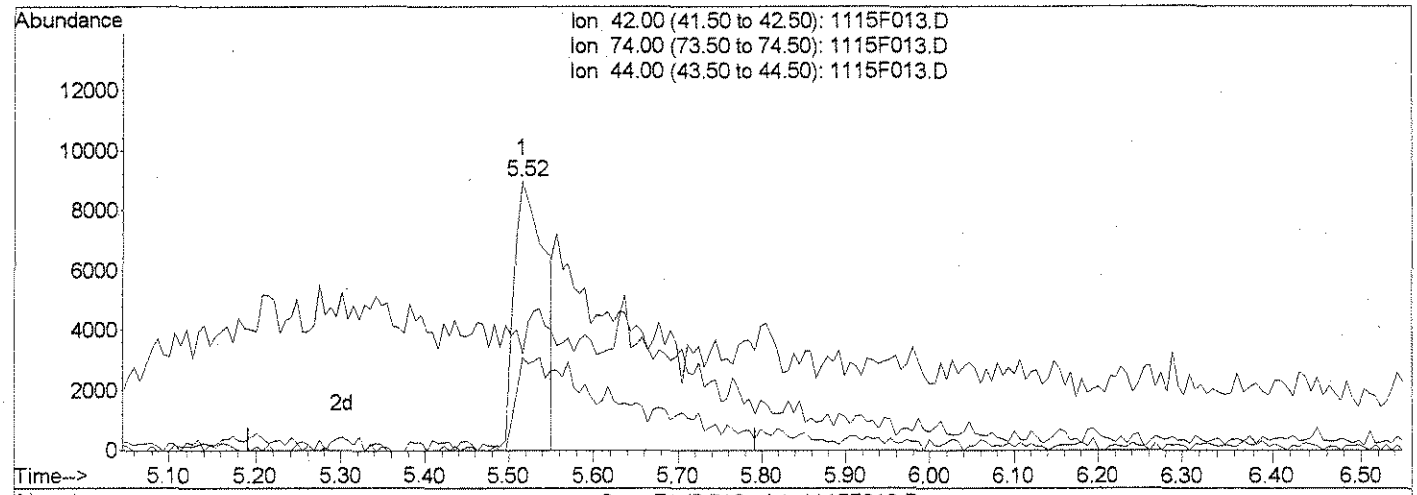
2412

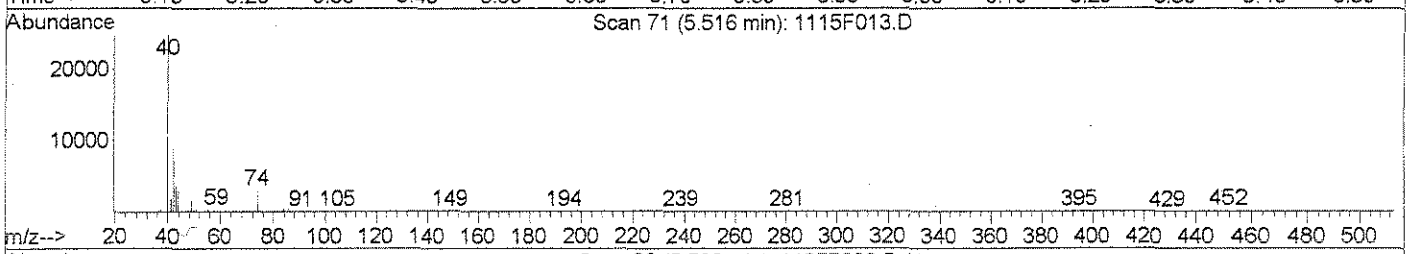
Quantitation Report (Qedit)

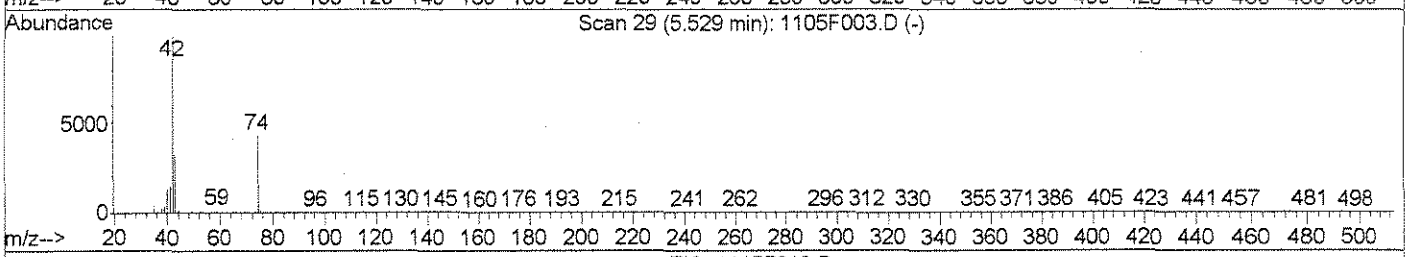
Data File : J:\MS06\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 7:02 pm
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F013.D

(2) N-Nitrosodimethylamine (T)

5.52min 237.28ng/ml

response 23036

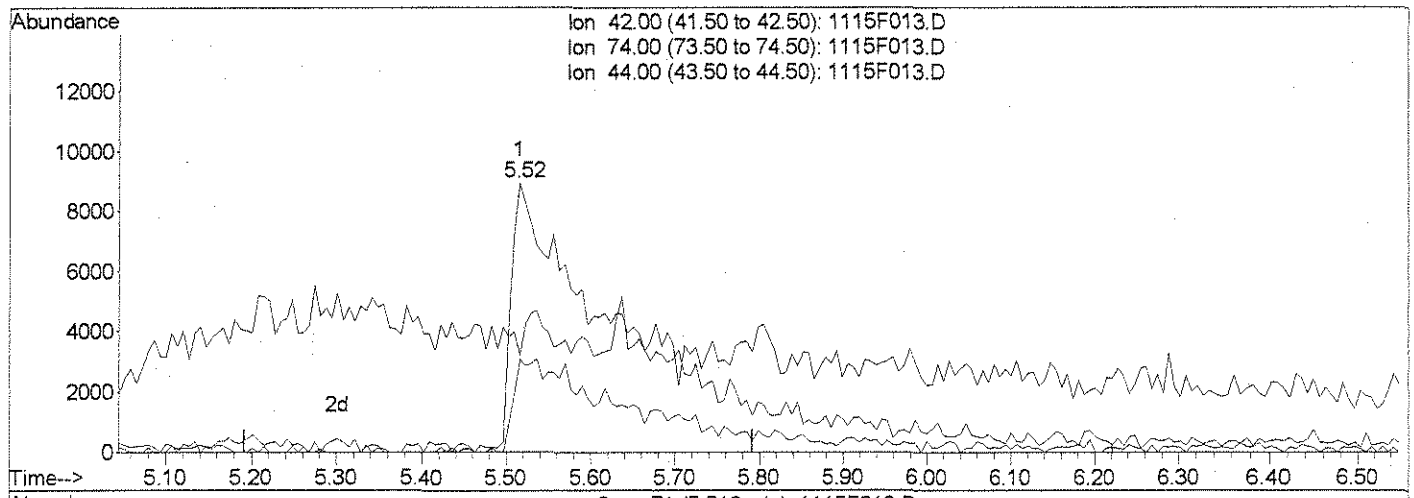
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	34.36
44.00	6.60	0.00
0.00	0.00	0.00

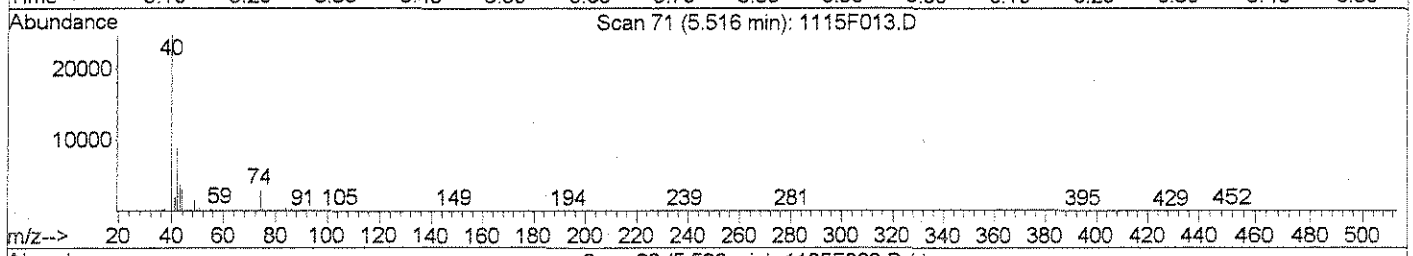
Quantitation Report (Qedit)

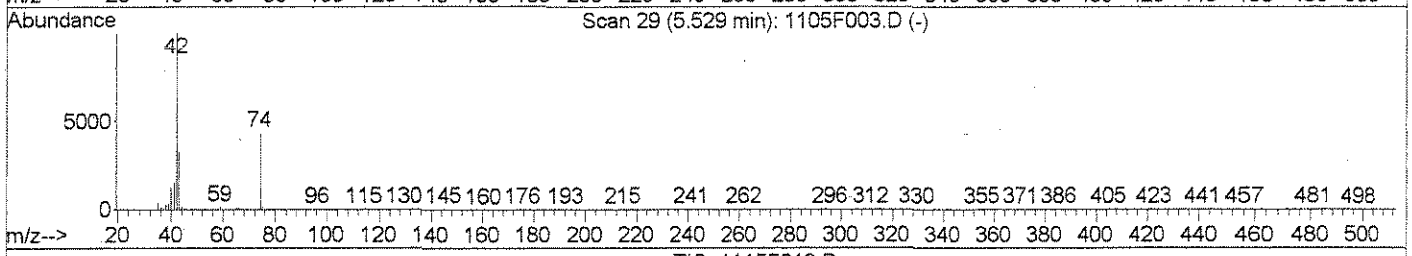
Data File : J:\MS06\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 7:02 pm
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F013.D

(2) N-Nitrosodimethylamine (T)

5.52min 971.51ng/ml m

response 94319

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	34.36
44.00	6.60	35.75
0.00	0.00	0.00

NOV 16 2010

OH 11.17.10

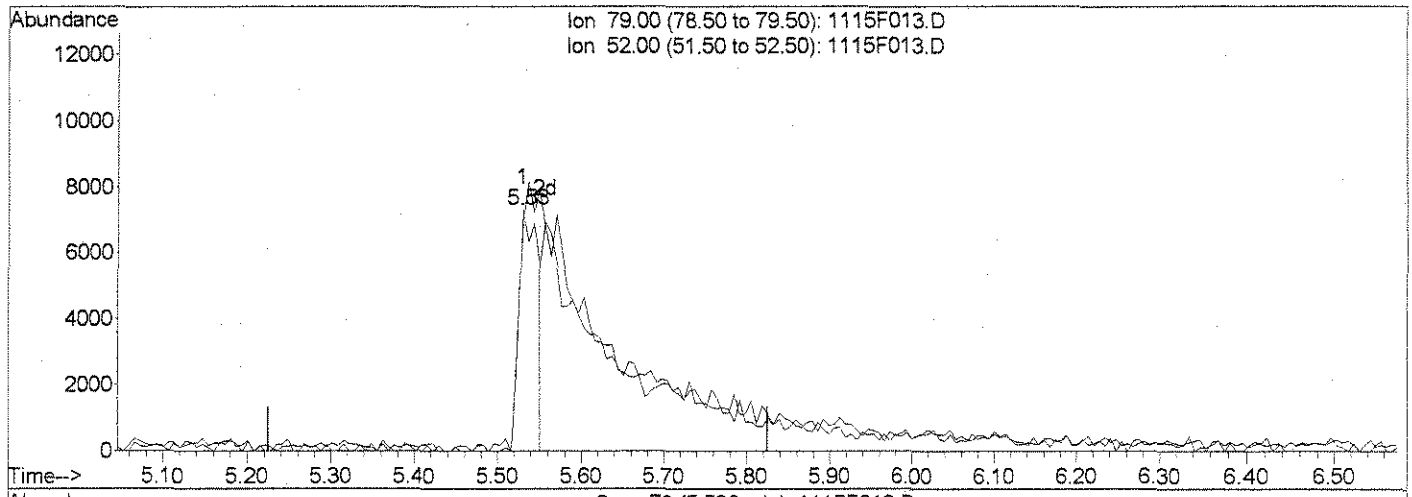
1115F013.D 111510_BNLL.M Tue Nov 16 08:39:47 2010

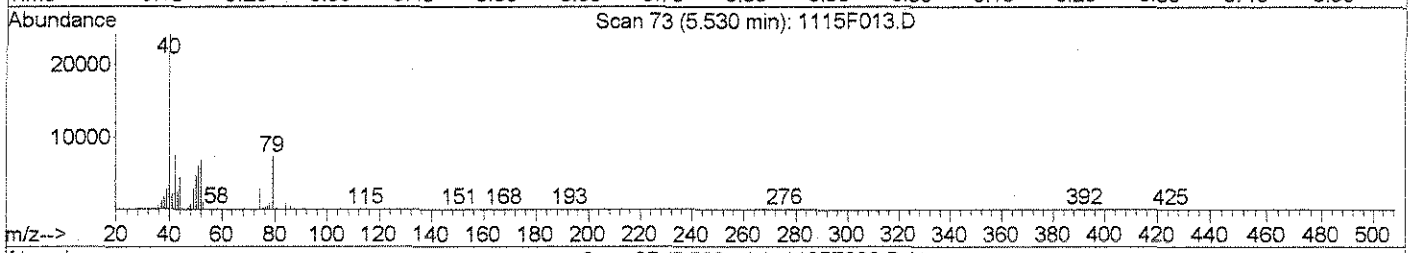
Quantitation Report (Qedit)

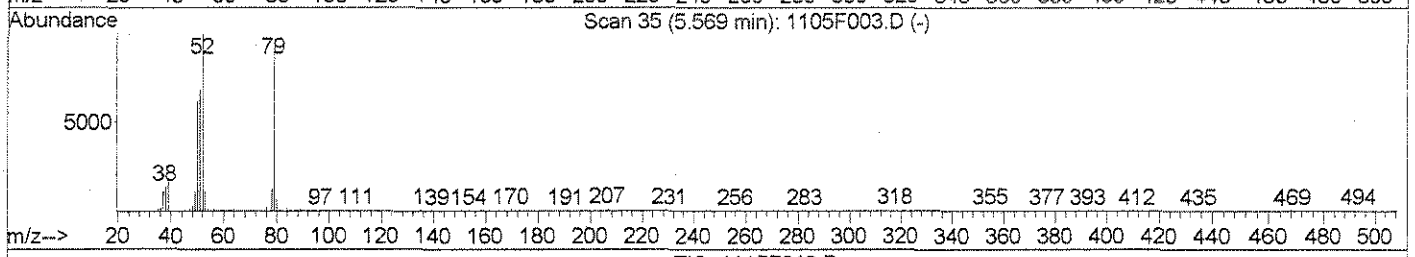
Data File : J:\MS06\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 7:02 pm
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F013.D

(3) Pyridine (T)

5.53min 172.67ng/ml

response 11659

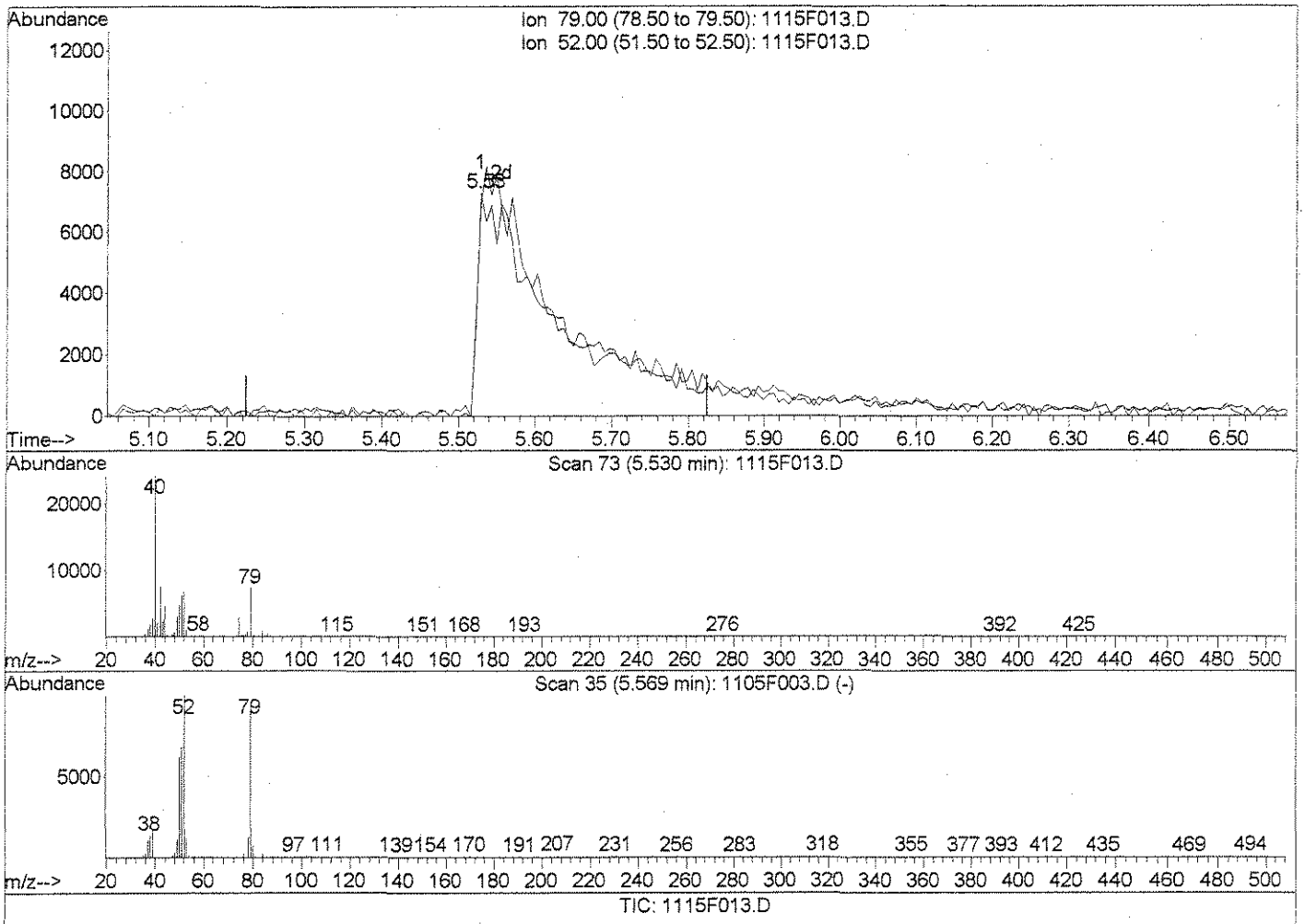
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	92.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F013.D
Acq On : 15 Nov 2010 7:02 pm
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010

Vial: 9
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



(3) Pyridine (T)

5.53min 970.44ng/ml m

response 65525

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	95.30
0.00	0.00	0.00
0.00	0.00	0.00

LC

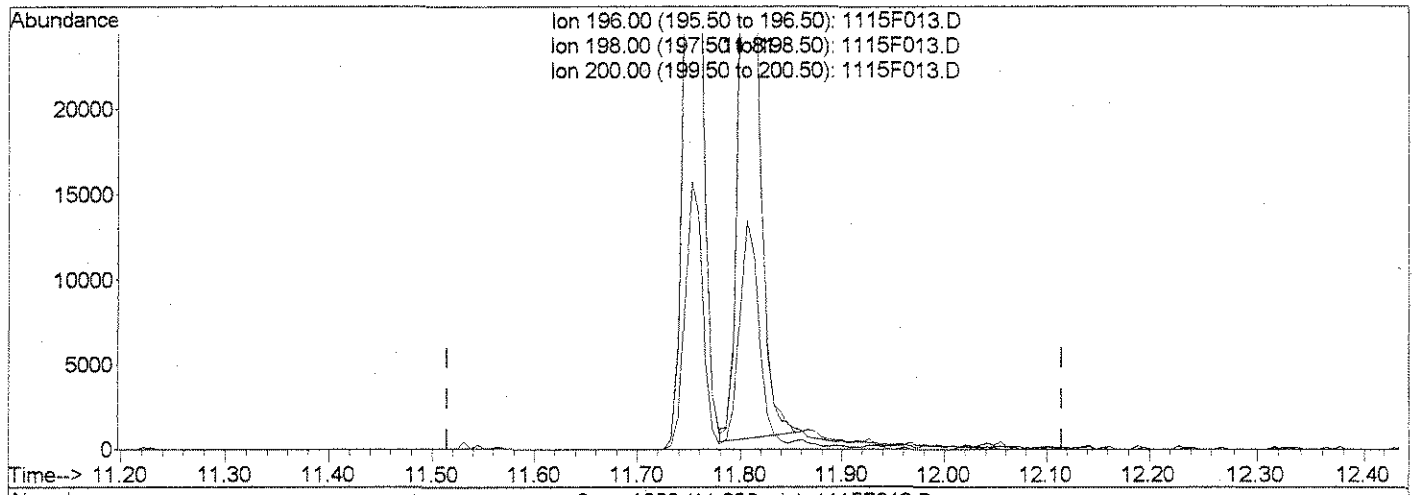
LB
NOV 16 2010
CH 11.17.10

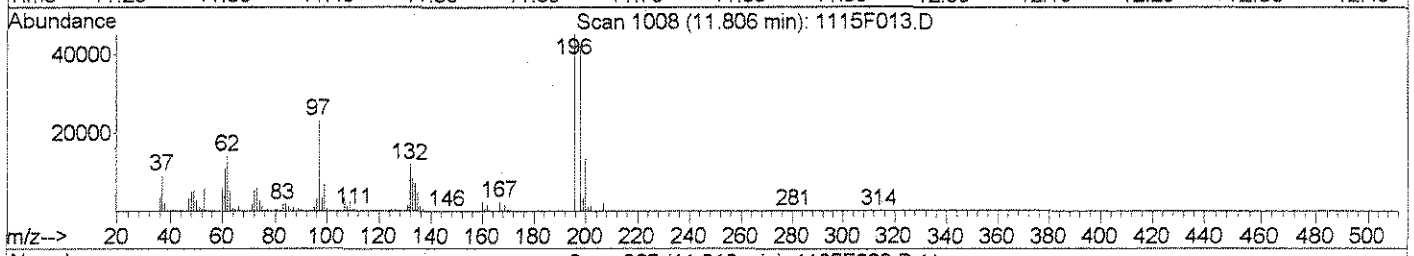
1115F013.D 111510_BNLL.M Tue Nov 16 08:39:56 2010

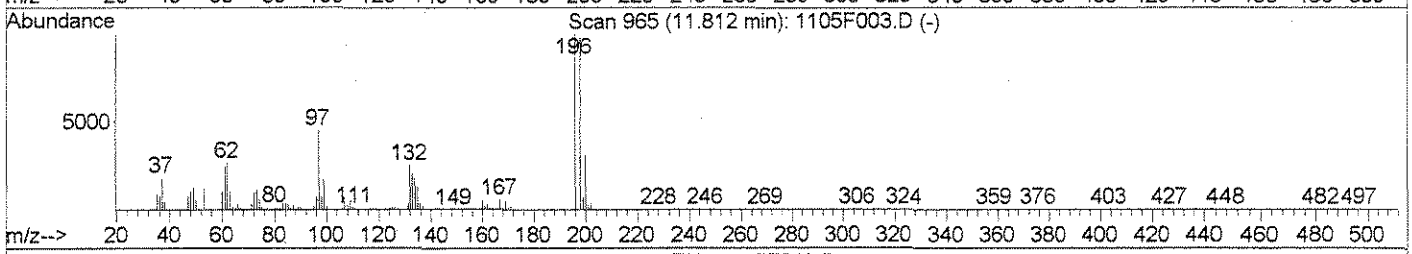
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:39 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F013.D

(39) 2,4,5-Trichlorophenol (T)

11.81min 1087.36ng/ml

response 54782

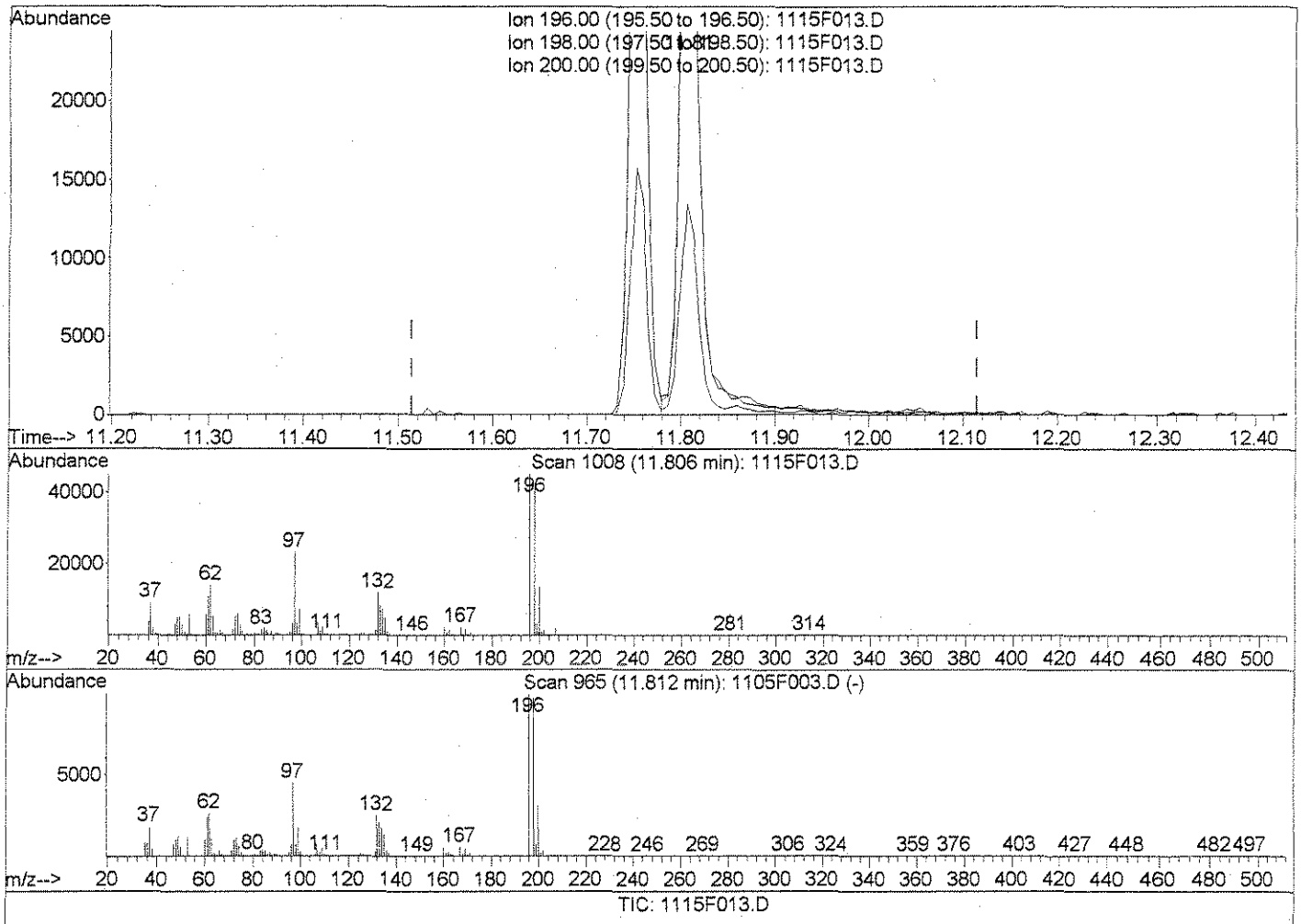
Ion	Exp%	Act%
196.00	100	100
198.00	98.80	94.25
200.00	30.30	29.83
0.00	0.00	0.00

1115F013.D 111510_BNLL.M Tue Nov 16 08:40:19 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F013.D Vial: 9
Acq On : 15 Nov 2010 7:02 pm Operator: KBailey
Sample : 1.0ug/mL ICAL SVO_LL | SVM33-63E Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:40 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(39) 2,4,5-Trichlorophenol (T)

11.81min 1196.11ng/ml m

response 60261

Ion	Exp%	Act%
196.00	100	100
198.00	98.80	94.08
200.00	30.30	29.77
0.00	0.00	0.00

BL

KB
NOV 16 2010

CH 11.17.10

1115F013.D 111510_BNLL.M Tue Nov 16 08:40:24 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F014.D Vial: 10
Acq On : 15 Nov 2010 7:39 pm Operator: KBailey
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:00 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	70392	1000.00	ng/ml	-0.04
22) Naphthalene-d8	10.14	136	213831	1000.00	ng/ml	-0.02
36) Acenaphthene-d10	12.95	164	112054	1000.00	ng/ml	-0.02
60) Phenanthrene-d10	15.35	188	213245	1000.00	ng/ml	-0.02
70) Chrysene-d12	19.72	240	245131	1000.00	ng/ml	-0.02
79) Perylene-d12	23.14	264	216321	1000.00	ng/ml	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	6.64	112	154043	2164.22	ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 110		Recovery = 57.71%			
6) Phenol-d6	7.81	99	182263	2109.91	ng/ml	-0.01
Spiked Amount 3750.000	Range 43 - 128		Recovery = 56.26%			
20) Nitrobenzene-d5	9.07	82	201962	2451.26	ng/ml	-0.03
Spiked Amount 2500.000	Range 30 - 139		Recovery = 98.05%			
40) 2-Fluorobiphenyl	11.90	172	389080	2470.14	ng/ml	-0.03
Spiked Amount 2500.000	Range 37 - 126		Recovery = 98.81%			
61) 2,4,6-Tribromophenol	14.24	330	80700	2336.27	ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 62.30%			
73) Terphenyl-d14	18.01	244	426352	2385.83	ng/ml	-0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 95.43%			

Target Compounds						Qvalue
2) N-Nitrosodimethylamine	5.45	42	207239m	2025.71	ng/ml	
3) Pyridine	5.47	79	140607m	1976.19	ng/ml	
5) Bis(2-chloroethyl) Ether	7.94	93	142688	1974.65	ng/ml	96
7) Phenol	7.82	94	199867	2192.56	ng/ml	73
8) Aniline	7.84	93	205921	2154.80	ng/ml#	80
9) 2-Chlorophenol	7.99	128	178805	1954.51	ng/ml	98
10) 1,3-Dichlorobenzene	8.19	146	219451	2040.48	ng/ml	96
11) 1,4-Dichlorobenzene	8.30	146	224384	2047.18	ng/ml	97
12) 1,2-Dichlorobenzene	8.51	146	203496	1961.40	ng/ml	96
13) Benzyl Alcohol	8.49	108	93339	1736.27	ng/ml	81
14) Bis(2-chloroisopropyl) Eth	8.69	45	294637	1645.55	ng/ml	91
15) 2-Methylphenol	8.66	107	126439	1966.57	ng/ml	90
16) Acetophenone	8.86	105	213284	1862.42	ng/ml	99
17) Hexachloroethane	8.98	117	91448	1864.68	ng/ml	85
18) N-Nitrosodi-n-propylamine	8.88	70	128125	2163.86	ng/ml	81
19) 4-Methylphenol	8.89	107	169994	1766.43	ng/ml	97
21) Nitrobenzene	9.10	77	193207	2366.16	ng/ml	92
23) Isophorone	9.47	82	315288	2231.85	ng/ml	96
24) 2-Nitrophenol	9.57	139	99564	2637.39	ng/ml	88
25) 2,4-Dimethylphenol	9.68	122	133614	2498.50	ng/ml	84

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

QH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F014.D Vial: 10
Acq On : 15 Nov 2010 7:39 pm Operator: KBailey
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:00 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.83	93	155598	2085.81 ng/ml	96
27)	2,4-Dichlorophenol	9.95	162	149607	2172.14 ng/ml	96
28)	Benzoic Acid	9.88	122	55875	1832.33 ng/ml#	72
29)	1,2,4-Trichlorobenzene	10.06	180	195302	2500.38 ng/ml	98
30)	Naphthalene	10.18	128	456469	1964.46 ng/ml	99
31)	4-Chloroaniline	10.29	127	200751	1924.32 ng/ml	92
32)	Hexachlorobutadiene	10.39	225	152870	2717.18 ng/ml	98
33)	4-Chloro-3-methylphenol	11.10	107	152201	2137.82 ng/ml	78
34)	2-Methylnaphthalene	11.28	141	260629	1749.44 ng/ml	95
35)	1-Methylnaphthalene	11.43	141	263288	1782.42 ng/ml	95
37)	Hexachlorocyclopentadiene	11.54	237	154655	3038.71 ng/ml	99
38)	2,4,6-Trichlorophenol	11.76	196	124422	2642.26 ng/ml	95
39)	2,4,5-Trichlorophenol	11.81	196	132472	2477.00 ng/ml	97
41)	2-Chloronaphthalene	12.05	127	128189	2368.50 ng/ml	95
42)	2-Nitroaniline	12.25	65	114972	2465.54 ng/ml	87
43)	Acenaphthylene	12.72	152	469152	2100.47 ng/ml	99
44)	Dimethyl Phthalate	12.60	163	359010	2088.58 ng/ml	98
45)	2,6-Dinitrotoluene	12.68	165	88189	2347.43 ng/ml	92
46)	Acenaphthene	13.00	154	258197	1898.75 ng/ml	99
47)	3-Nitroaniline	12.93	138	87153	2049.33 ng/ml	89
48)	2,4-Dinitrophenol	13.11	184	43520	2538.49 ng/ml	90
49)	Dibenzofuran	13.29	168	428070	2002.65 ng/ml	85
50)	4-Nitrophenol	13.27	109	68280	2386.57 ng/ml	86
51)	2,4-Dinitrotoluene	13.32	165	127837	2384.64 ng/ml	95
52)	2,3,4,6-Tetrachlorophenol	13.51	232	127806	2560.91 ng/ml	91
53)	Fluorene	13.84	166	336787	2048.58 ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.88	204	203948	2345.94 ng/ml	94
55)	Diethyl Phthalate	13.76	149	371725	1944.60 ng/ml	97
56)	4-Nitroaniline	13.92	138	84209	2059.69 ng/ml#	76
57)	2-Methyl-4,6-dinitrophenol	13.98	198	77209	2577.04 ng/ml	79
58)	N-Nitrosodiphenylamine	14.09	169	245023	2093.40 ng/ml	97
59)	Azobenzene	14.14	77	368813	2099.52 ng/ml	97
62)	4-Bromophenyl Phenyl Ether	14.67	248	133089	2202.37 ng/ml	98
63)	Hexachlorobenzene	14.73	284	145172	2107.17 ng/ml	93
64)	Pentachlorophenol	15.08	266	84870	2047.75 ng/ml	96
65)	Phenanthrene	15.39	178	455288	1719.61 ng/ml	98
66)	Anthracene	15.48	178	476566	1729.15 ng/ml	96
67)	Carbazole	15.78	167	421160	1763.27 ng/ml	97
68)	Di-n-butyl Phthalate	16.43	149	580730	1640.34 ng/ml	100
69)	Fluoranthene	17.33	202	576256	1927.23 ng/ml	96
71)	Benzidine	17.61	184	304837	2864.71 ng/ml	96

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F014.D Vial: 10
Acq On : 15 Nov 2010 7:39 pm Operator: KBailey
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:00 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	Pyrene	17.69	202	584370	2194.95 ng/ml	98
74)	Butyl Benzyl Phthalate	18.86	149	253759	1770.61 ng/ml	89
75)	3,3'-Dichlorobenzidine	19.71	252	237099	2256.67 ng/ml	96
76)	Benz(a)anthracene	19.70	228	549275	2114.50 ng/ml	99
77)	Chrysene	19.76	228	548766	2181.64 ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.93	149	331552	1663.29 ng/ml	88
80)	Di-n-octyl Phthalate	21.44	149	544623	1709.15 ng/ml	97
81)	Benzo(b)fluoranthene	22.15	252	496159	2072.42 ng/ml	95
82)	Benzo(k)fluoranthene	22.23	252	537588	2161.87 ng/ml	95
83)	Benzo(a)pyrene	22.99	252	424216	1971.93 ng/ml	95
84)	Indeno(1,2,3-cd)pyrene	25.54	276	376360	1993.14 ng/ml	90
85)	Dibenz(a,h)anthracene	25.62	278	398585	2020.10 ng/ml	90
86)	Benzo(g,h,i)perylene	26.03	276	416457	1982.26 ng/ml	87

NOV 16 2010

CH 11.17.10

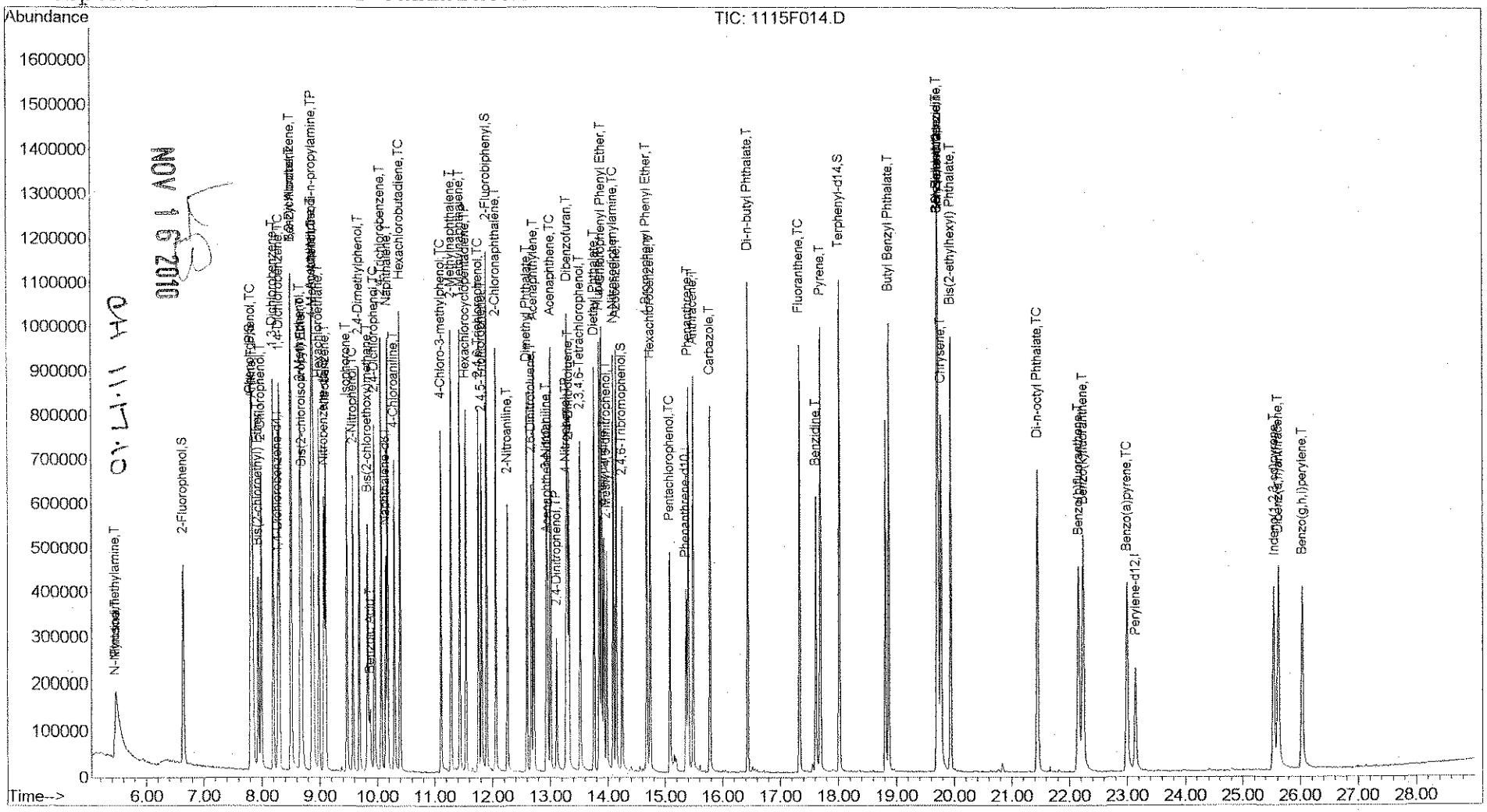
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS06\DATA\111510\1115F014.D
Acq On : 15 Nov 2010 7:39 pm
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:41 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration

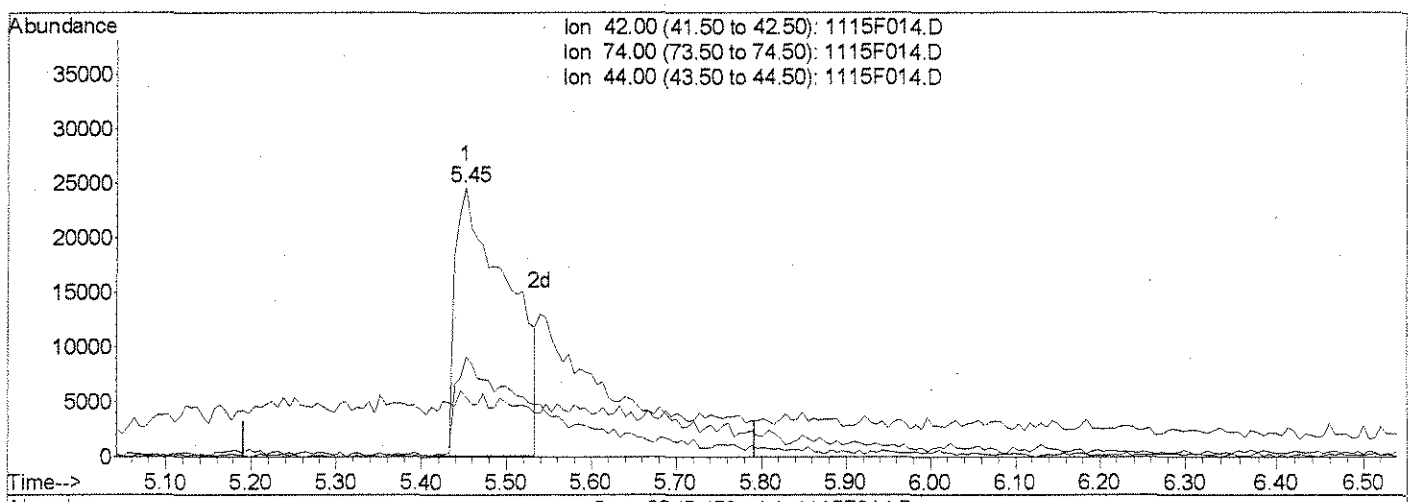


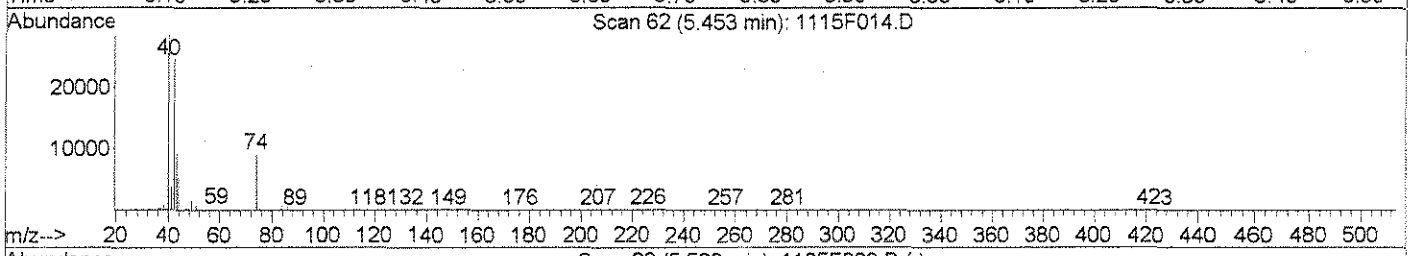
Quantitation Report (Qedit)

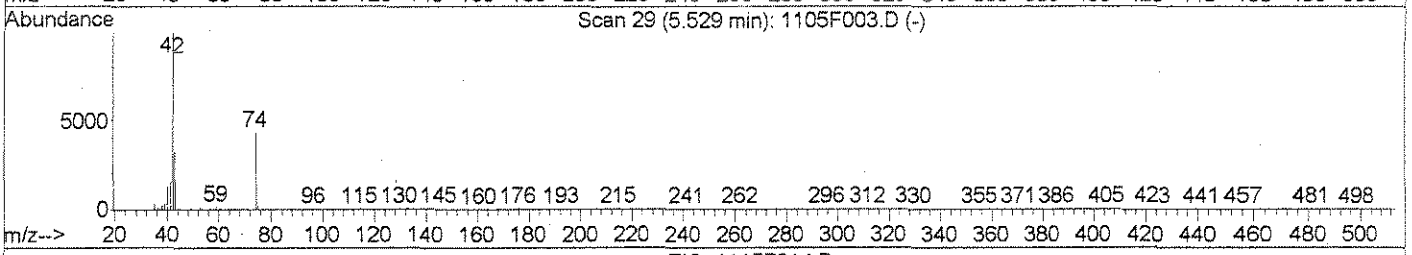
Data File : J:\MS06\DATA\111510\1115F014.D
Acq On : 15 Nov 2010 7:39 pm
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F014.D

(2) N-Nitrosodimethylamine (T)

5.45min 1031.73ng/ml

response 105550

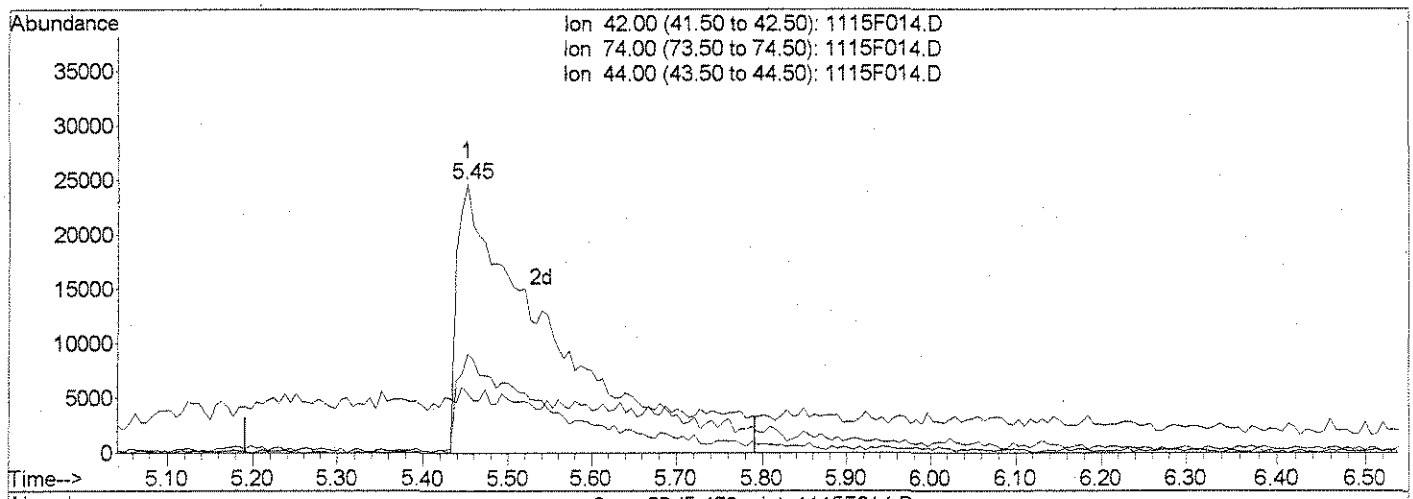
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	37.06
44.00	6.60	5.81
0.00	0.00	0.00

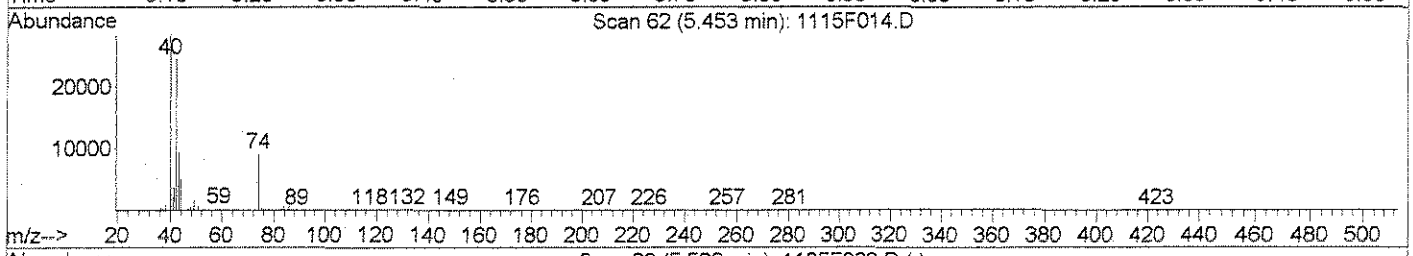
Quantitation Report (Qedit)

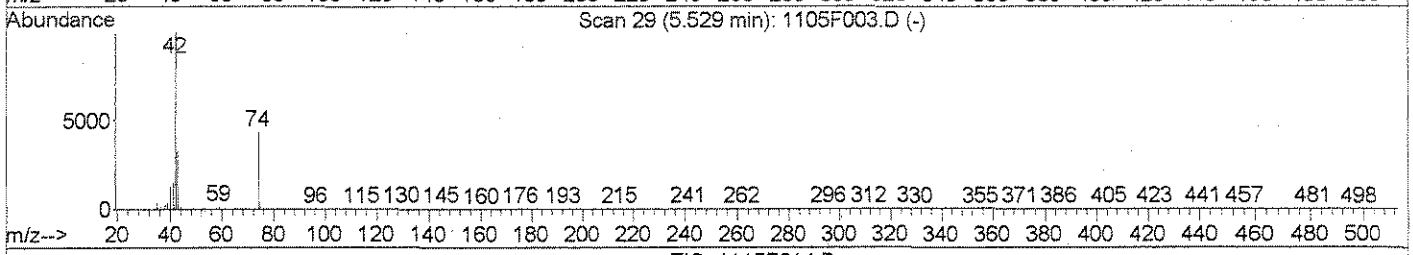
Data File : J:\MS06\DATA\111510\1115F014.D
Acq On : 15 Nov 2010 7:39 pm
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:40 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F014.D

(2) N-Nitrosodimethylamine (T)

5.45min 2025.71ng/ml m

response 207239

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	36.88
44.00	6.60	22.01
0.00	0.00	0.00

1C

LB

NOV 16 2010

AH 11.17.10

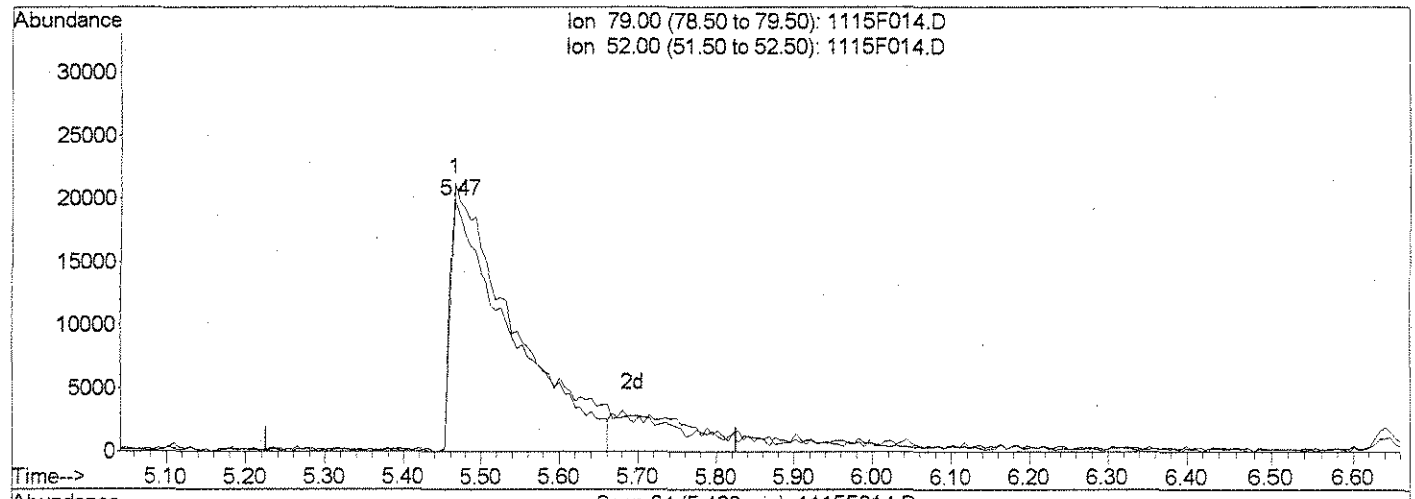
1115F014.D 111510_BNLL.M Tue Nov 16 08:40:57 2010

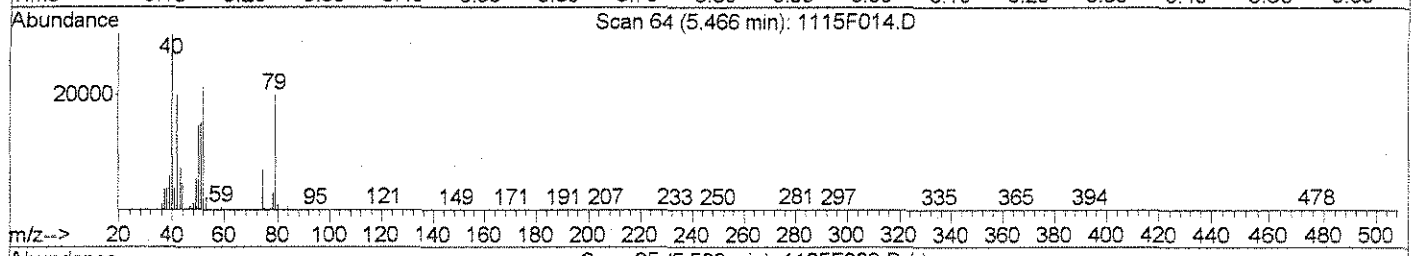
Quantitation Report (Qedit)

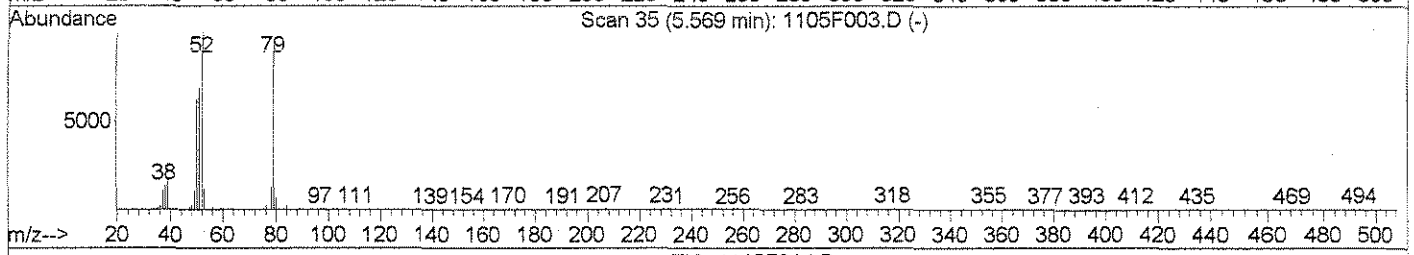
Data File : J:\MS06\DATA\111510\1115F014.D
Acq On : 15 Nov 2010 7:39 pm
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:40 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F014.D

(3) Pyridine (T)

5.47min 1522.35ng/ml

response 108316

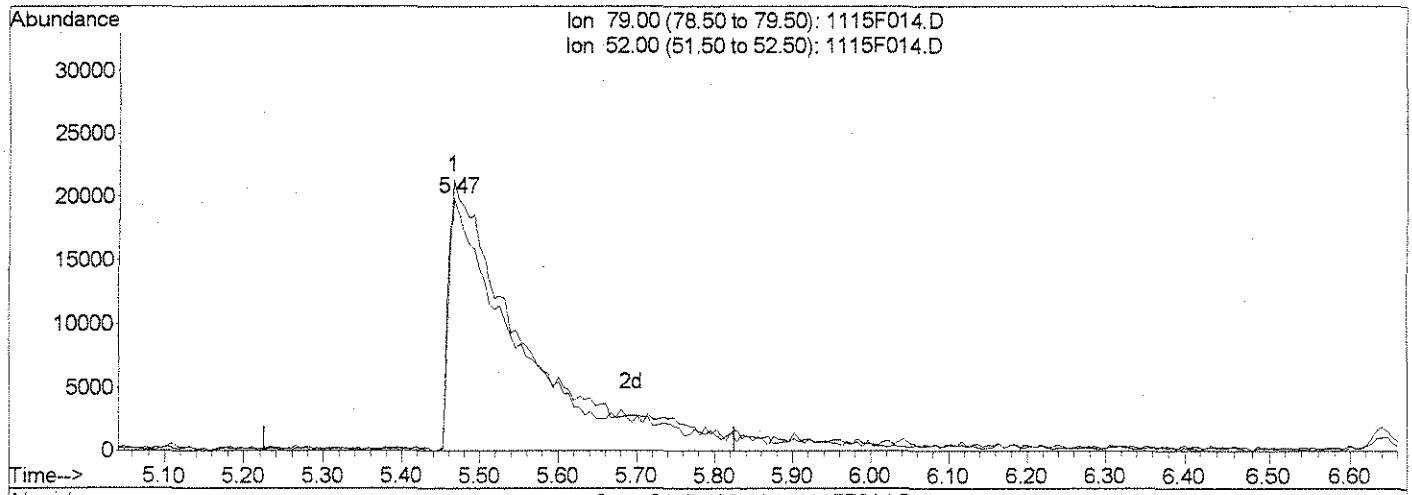
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	107.12
0.00	0.00	0.00
0.00	0.00	0.00

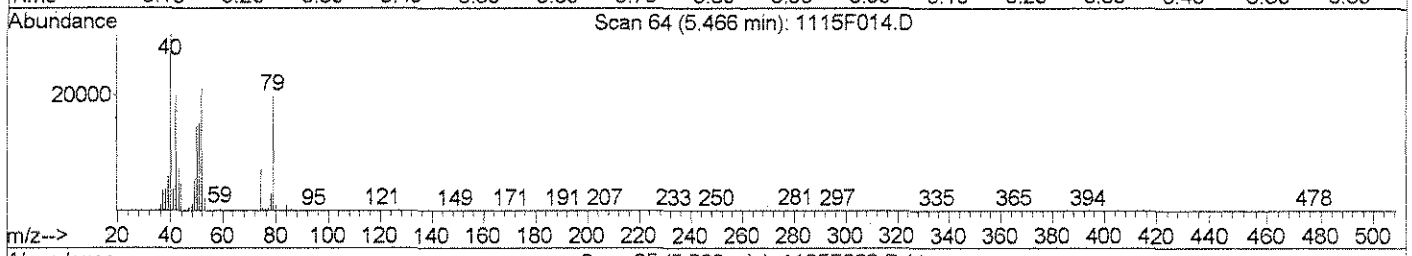
Quantitation Report (Qedit)

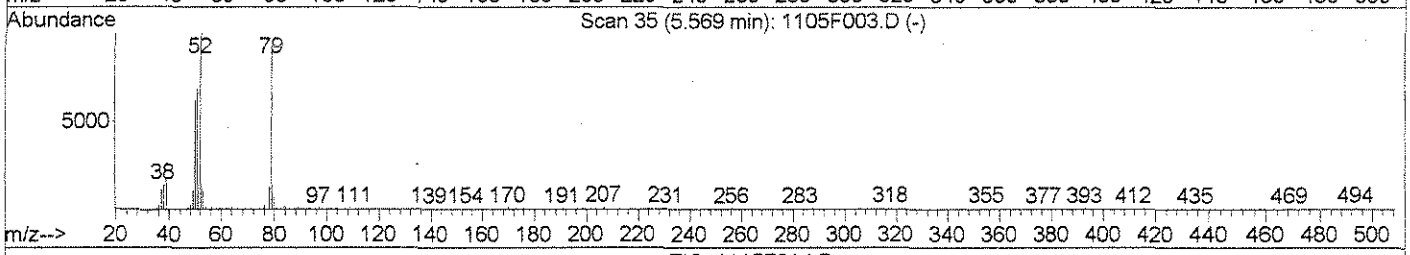
Data File : J:\MS06\DATA\111510\1115F014.D
Acq On : 15 Nov 2010 7:39 pm
Sample : 2.0ug/mL ICAL SVO_LL | SVM33-63F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:41 2010

Vial: 10
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F014.D

10

(3) Pyridine (T)

5.47min 1976.19ng/ml m

response 140607

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	107.12
0.00	0.00	0.00
0.00	0.00	0.00

LB
NOV 16 2010

CH 11.17.10

1115F014.D 111510_BNLL.M Tue Nov 16 08:41:05 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F015.D Vial: 11
Acq On : 15 Nov 2010 8:17 pm Operator: KBailey
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:01 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	71417	1000.00 ng/ml	-0.04
22) Naphthalene-d8	10.15	136	219693	1000.00 ng/ml	-0.02
36) Acenaphthene-d10	12.95	164	114890	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.36	188	223682	1000.00 ng/ml	-0.02
70) Chrysene-d12	19.72	240	270570	1000.00 ng/ml	-0.02
79) Perylene-d12	23.14	264	233962	1000.00 ng/ml	-0.02
System Monitoring Compounds					
4) 2-Fluorophenol	6.64	112	237260	3285.53 ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 110		Recovery = 87.61%		
6) Phenol-d6	7.81	99	279734	3191.77 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 85.11%		
20) Nitrobenzene-d5	9.07	82	304218	3639.38 ng/ml	-0.02
Spiked Amount 2500.000	Range 30 - 139		Recovery = 145.58%#		
40) 2-Fluorobiphenyl	11.90	172	587548	3638.07 ng/ml	-0.02
Spiked Amount 2500.000	Range 37 - 126		Recovery = 145.52%#		
61) 2,4,6-Tribromophenol	14.24	330	126469	3490.45 ng/ml	-0.02
Spiked Amount 3750.000	Range 38 - 157		Recovery = 93.08%		
73) Terphenyl-d14	18.02	244	667806	3385.64 ng/ml	-0.02
Spiked Amount 2500.000	Range 54 - 158		Recovery = 135.43%		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.42	42	335752m	3234.80 ng/ml	
3) Pyridine	5.45	79	236828m	3280.77 ng/ml	
5) Bis(2-chloroethyl) Ether	7.93	93	210886	2876.55 ng/ml	94
7) Phenol	7.83	94	300306	3247.11 ng/ml#	63
8) Aniline	7.84	93	311626	3214.12 ng/ml#	53
9) 2-Chlorophenol	7.99	128	273150	2942.94 ng/ml	95
10) 1,3-Dichlorobenzene	8.20	146	325558	2983.62 ng/ml	95
11) 1,4-Dichlorobenzene	8.30	146	324529	2918.36 ng/ml	97
12) 1,2-Dichlorobenzene	8.50	146	303933	2887.42 ng/ml	95
13) Benzyl Alcohol	8.50	108	146752	2690.67 ng/ml	88
14) Bis(2-chloroisopropyl) Eth	8.69	45	447292	2462.28 ng/ml	91
15) 2-Methylphenol	8.67	107	194865	2987.33 ng/ml	89
16) Acetophenone	8.86	105	318205	2738.72 ng/ml	99
17) Hexachloroethane	8.99	117	136504	2743.45 ng/ml	77
18) N-Nitrosodi-n-propylamine	8.88	70	192330	3201.58 ng/ml	85
19) 4-Methylphenol	8.89	107	255198	2613.74 ng/ml	96
21) Nitrobenzene	9.10	77	291487	3518.53 ng/ml	92
23) Isophorone	9.47	82	493528	3400.35 ng/ml	97
24) 2-Nitrophenol	9.58	139	152040	3919.99 ng/ml	84
25) 2,4-Dimethylphenol	9.69	122	203604	3705.69 ng/ml	85

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

NOV 15 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F015.D Vial: 11
Acq On : 15 Nov 2010 8:17 pm Operator: KBailey
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:01 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) Bis(2-chloroethoxy)methane	9.83	93	240072	3132.32 ng/ml	97
27) 2,4-Dichlorophenol	9.95	162	229287	3240.19 ng/ml	95
28) Benzoic Acid	9.91	122	102147	2697.19 ng/ml	88
29) 1,2,4-Trichlorobenzene	10.07	180	288205	3591.33 ng/ml	99
30) Naphthalene	10.18	128	683789	2864.23 ng/ml	99
31) 4-Chloroaniline	10.30	127	296100	2762.56 ng/ml	89
32) Hexachlorobutadiene	10.40	225	229231	3965.74 ng/ml	98
33) 4-Chloro-3-methylphenol	11.11	107	229863	3142.51 ng/ml	75
34) 2-Methylnaphthalene	11.28	141	390599	2551.90 ng/ml	94
35) 1-Methylnaphthalene	11.44	141	400434	2638.55 ng/ml	94
37) Hexachlorocyclopentadiene	11.54	237	244442	4684.31 ng/ml	98
38) 2,4,6-Trichlorophenol	11.76	196	192944	3996.26 ng/ml	98
39) 2,4,5-Trichlorophenol	11.81	196	212847	3881.64 ng/ml	94
41) 2-Chloronaphthalene	12.06	127	196981	3549.71 ng/ml	96
42) 2-Nitroaniline	12.26	65	176813	3650.82 ng/ml	86
43) Acenaphthylene	12.72	152	712507	3111.27 ng/ml	99
44) Dimethyl Phthalate	12.60	163	555709	3153.09 ng/ml	99
45) 2,6-Dinitrotoluene	12.68	165	140041	3527.26 ng/ml	90
46) Acenaphthene	13.01	154	399401	2864.65 ng/ml	99
47) 3-Nitroaniline	12.94	138	134266	3030.34 ng/ml	96
48) 2,4-Dinitrophenol	13.11	184	76672	3854.04 ng/ml	81
49) Dibenzofuran	13.29	168	651213	2971.38 ng/ml	86
50) 4-Nitrophenol	13.28	109	115777	3946.83 ng/ml#	80
51) 2,4-Dinitrotoluene	13.33	165	192759	3451.43 ng/ml	96
52) 2,3,4,6-Tetrachlorophenol	13.52	232	201328	3849.71 ng/ml	90
53) Fluorene	13.85	166	513830	3048.33 ng/ml	97
54) 4-Chlorophenyl Phenyl Ethe	13.89	204	310184	3479.86 ng/ml	95
55) Diethyl Phthalate	13.76	149	571213	2914.42 ng/ml	98
56) 4-Nitroaniline	13.93	138	135444	3231.08 ng/ml	79
57) 2-Methyl-4,6-dinitrophenol	13.98	198	124014	3865.43 ng/ml	97
58) N-Nitrosodiphenylamine	14.09	169	380232	3168.39 ng/ml	98
59) Azobenzene	14.14	77	572223	3177.05 ng/ml	95
62) 4-Bromophenyl Phenyl Ether	14.67	248	207044	3266.32 ng/ml	96
63) Hexachlorobenzene	14.73	284	224476	3106.23 ng/ml	93
64) Pentachlorophenol	15.08	266	141598	3147.42 ng/ml	97
65) Phenanthrene	15.40	178	699156	2517.47 ng/ml	99
66) Anthracene	15.49	178	743428	2571.55 ng/ml	98
67) Carbazole	15.78	167	655558	2616.56 ng/ml	98
68) Di-n-butyl Phthalate	16.44	149	896894	2415.17 ng/ml	99
69) Fluoranthene	17.33	202	900908	2872.41 ng/ml	95
71) Benzidine	17.61	184	475299	4046.68 ng/ml	97

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

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F015.D Vial: 11
Acq On : 15 Nov 2010 8:17 pm Operator: KBailey
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:01 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	Pyrene	17.69	202	906494	3084.75 ng/ml	98
74)	Butyl Benzyl Phthalate	18.87	149	399579	2525.93 ng/ml	87
75)	3,3'-Dichlorobenzidine	19.71	252	384509	3315.61 ng/ml	95
76)	Benz(a)anthracene	19.70	228	886318	3091.19 ng/ml	98
77)	Chrysene	19.78	228	864926	3115.26 ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.94	149	533899	2426.57 ng/ml	89
80)	Di-n-octyl Phthalate	21.45	149	874941	2480.43 ng/ml	96
81)	Benzo(b)fluoranthene	22.16	252	805604	3111.22 ng/ml	94
82)	Benzo(k)fluoranthene	22.25	252	864315	3213.70 ng/ml	95
83)	Benzo(a)pyrene	23.01	252	692650	2976.95 ng/ml	93
84)	Indeno(1,2,3-cd)pyrene	25.55	276	611971	2996.53 ng/ml	92
85)	Dibenz(a,h)anthracene	25.63	278	651782	3054.27 ng/ml	92
86)	Benzo(g,h,i)perylene	26.05	276	674043	2966.42 ng/ml	88

LB
NOV 16 2010
CH 11.17.10

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

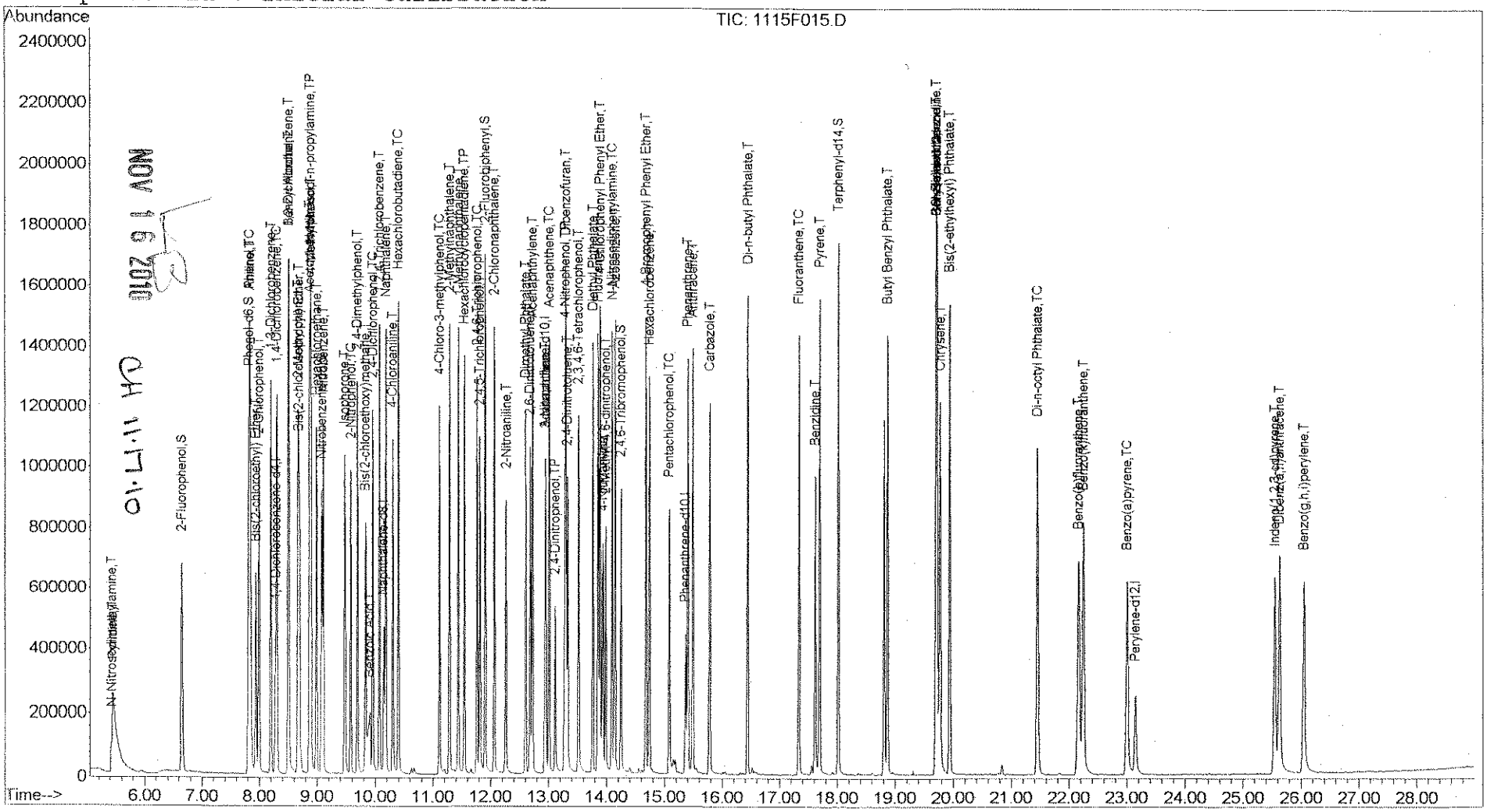
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F015.D
Acq On : 15 Nov 2010 8:17 pm
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:42 2010

Vial: 11
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



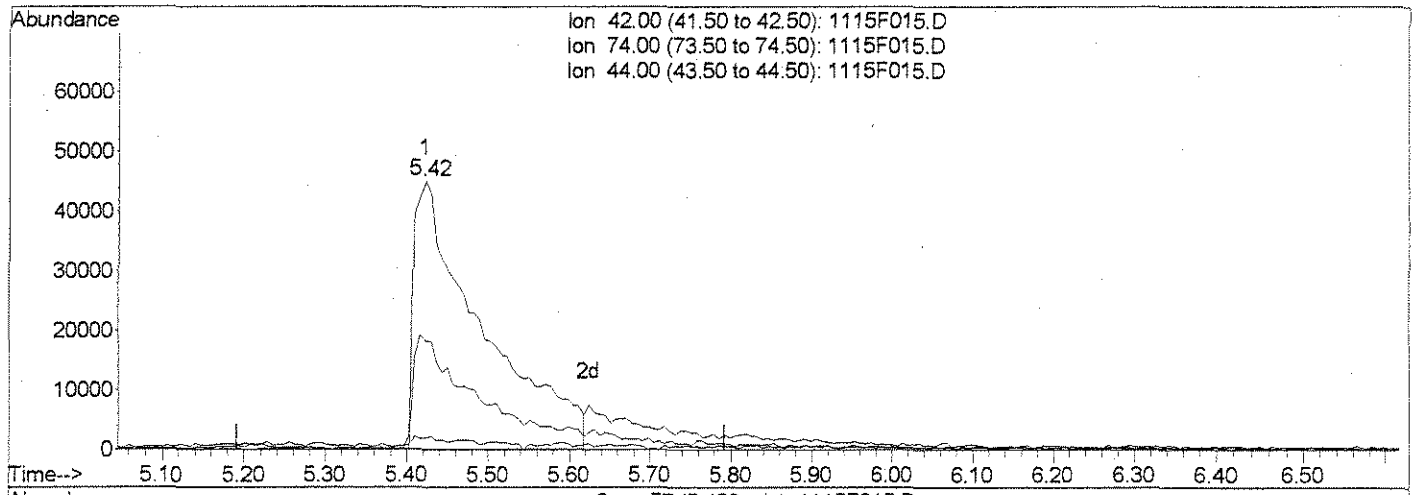
2430

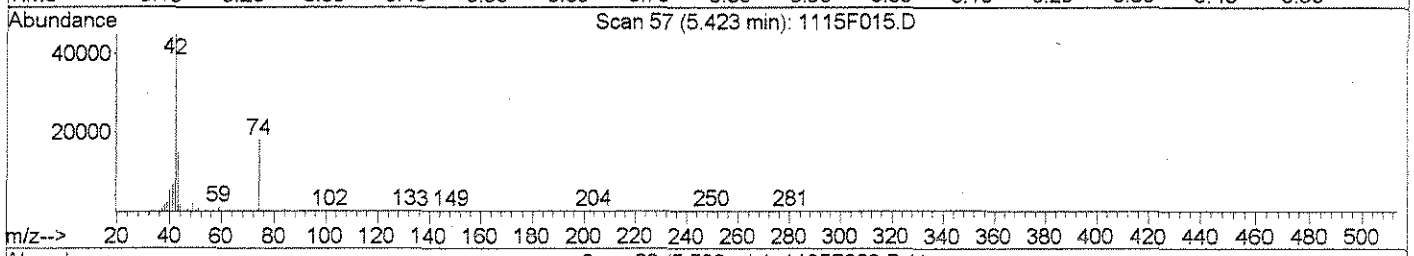
Quantitation Report (Qedit)

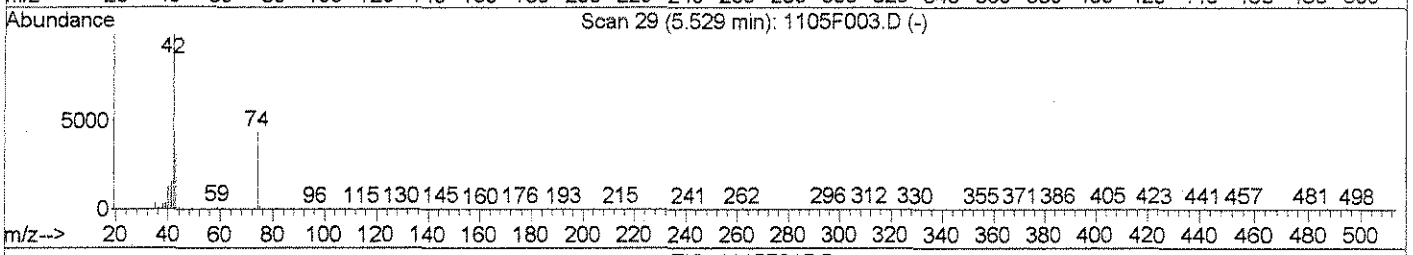
Data File : J:\MS06\DATA\111510\1115F015.D
Acq On : 15 Nov 2010 8:17 pm
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 11
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F015.D

(2) N-Nitrosodimethylamine (T)

5.42min 2493.76ng/ml

response 258837

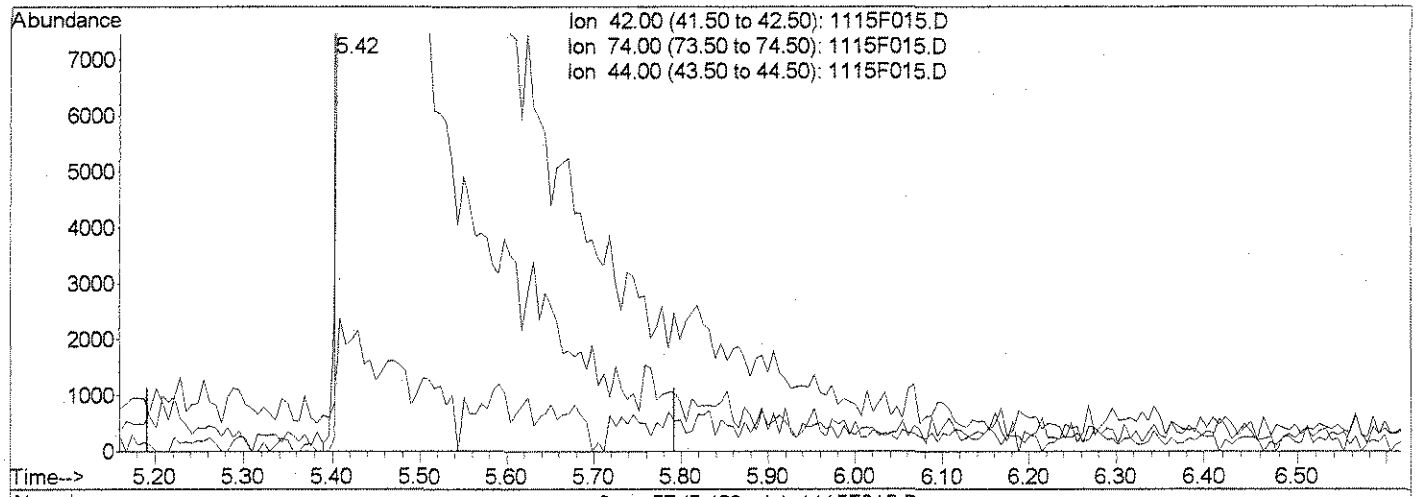
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	40.26
44.00	6.60	3.12
0.00	0.00	0.00

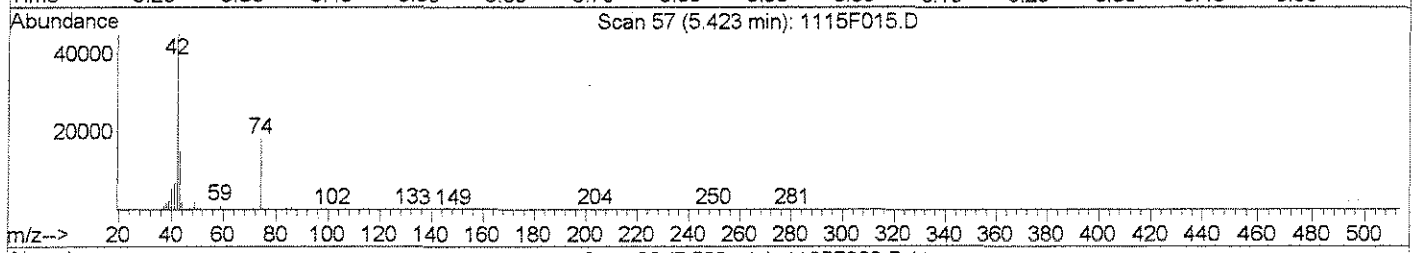
Quantitation Report (Qedit)

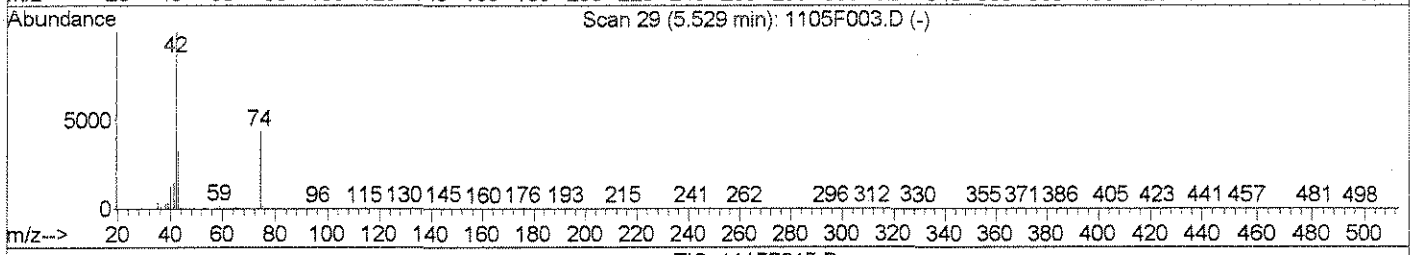
Data File : J:\MS06\DATA\111510\1115F015.D
Acq On : 15 Nov 2010 8:17 pm
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:42 2010

Vial: 11
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F015.D

(2) N-Nitrosodimethylamine (T)

5.42min 3234.80ng/ml m

response 335752

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	40.47
44.00	6.60	4.43
0.00	0.00	0.00

10

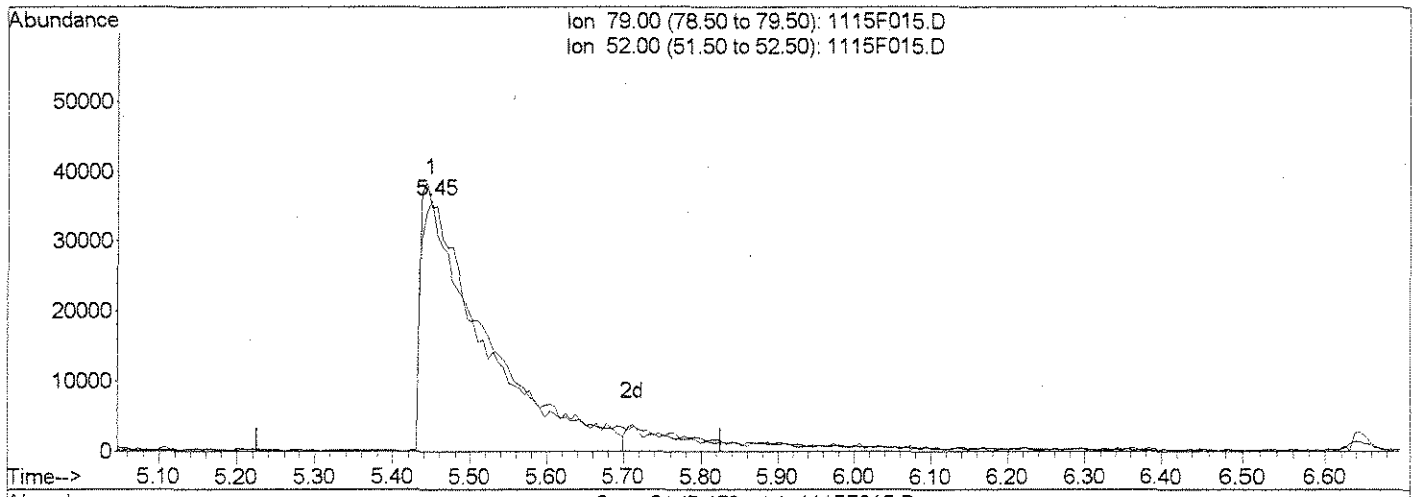
LB
NOV 16 2010
CH 11.17.10

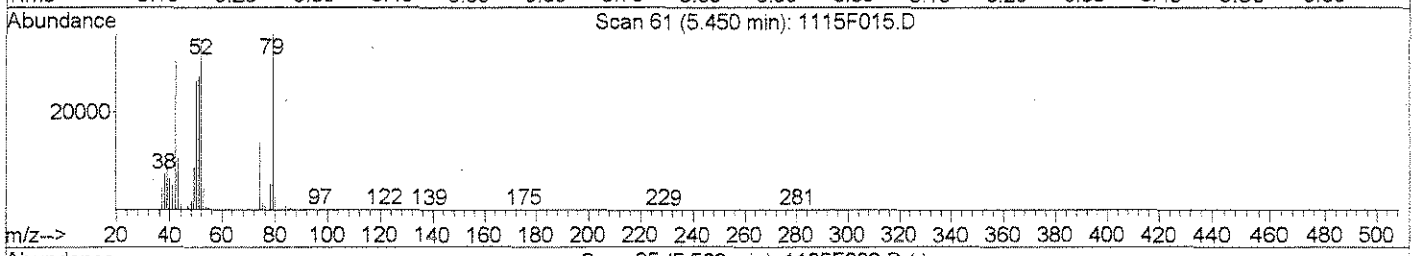
1115F015.D 111510_BNLL.M Tue Nov 16 08:42:08 2010

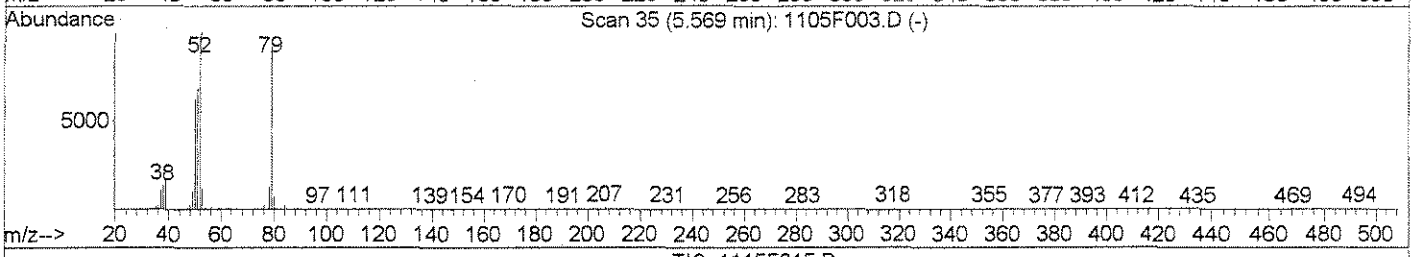
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F015.D Vial: 11
Acq On : 15 Nov 2010 8:17 pm Operator: KBailey
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:42 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F015.D

(3) Pyridine (T)

5.45min 2793.11ng/ml

response 201625

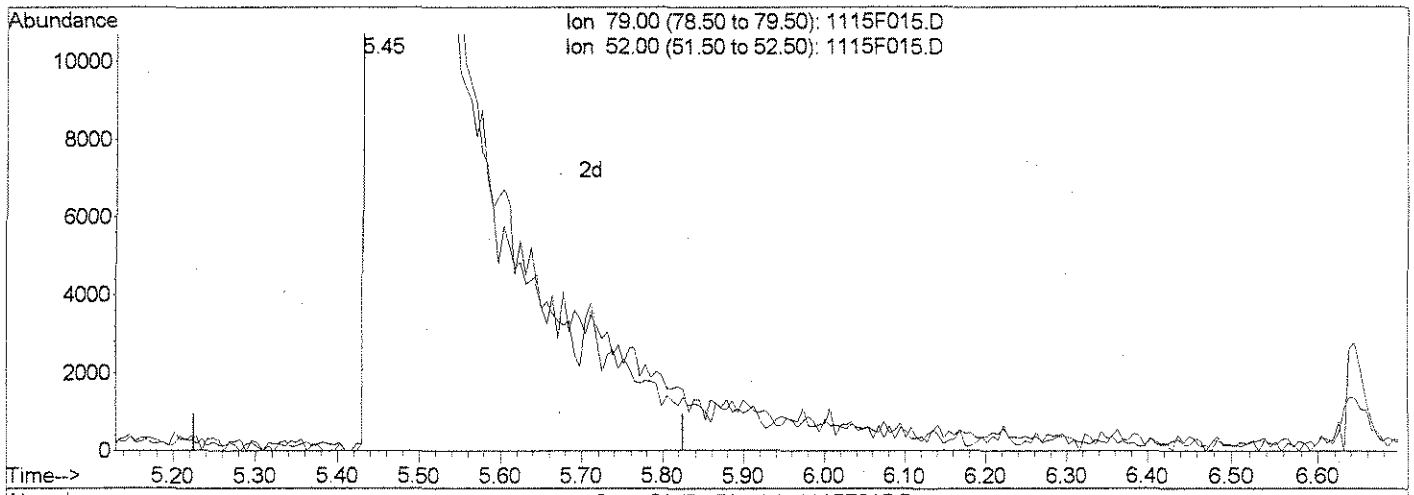
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	96.56
0.00	0.00	0.00
0.00	0.00	0.00

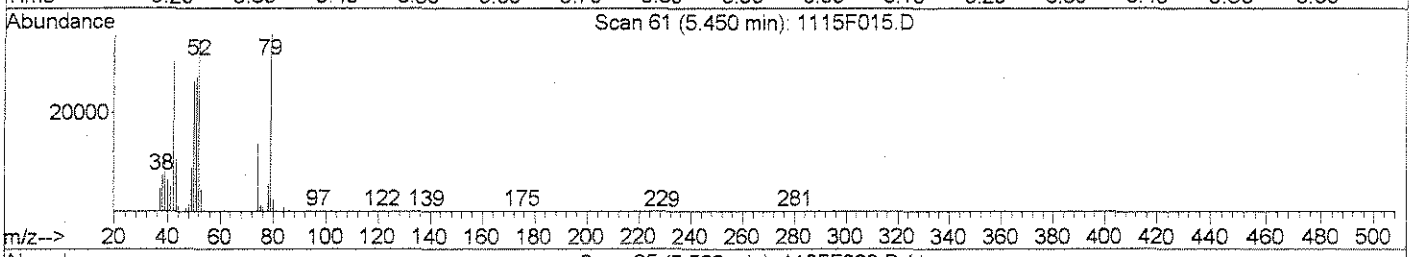
Quantitation Report (Qedit)

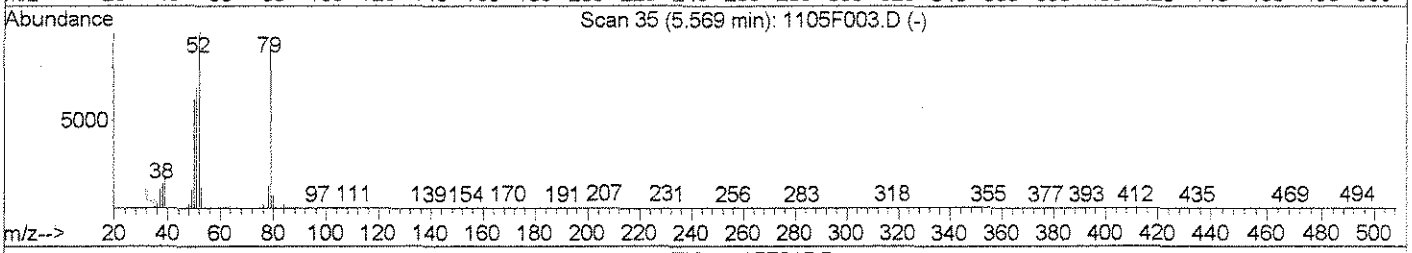
Data File : J:\MS06\DATA\111510\1115F015.D
Acq On : 15 Nov 2010 8:17 pm
Sample : 3.0ug/mL ICAL SVO_LL | SVM33-63G
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:42 2010

Vial: 11
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F015.D

(3) Pyridine (T)

5.45min 3280.77ng/ml m

response 236828

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	97.05
0.00	0.00	0.00
0.00	0.00	0.00

10

NOV 16 2010

CH 11·17·10

1115F015.D 111510_BNLL.M Tue Nov 16 08:42:19 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F016.D Vial: 12
Acq On : 15 Nov 2010 8:54 pm Operator: KBailey
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:02 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	69864	1000.00 ng/ml	-0.03
22) Naphthalene-d8	10.15	136	218596	1000.00 ng/ml	-0.01
36) Acenaphthene-d10	12.95	164	113343	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.36	188	225625	1000.00 ng/ml	-0.01
70) Chrysene-d12	19.73	240	273733	1000.00 ng/ml	0.00
79) Perylene-d12	23.15	264	229063	1000.00 ng/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	6.65	112	391332	5539.56 ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 110		Recovery = 147.72%#		
6) Phenol-d6	7.82	99	439964	5131.59 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 136.84%#		
20) Nitrobenzene-d5	9.08	82	494221	6043.82 ng/ml	-0.02
Spiked Amount 2500.000	Range 30 - 139		Recovery = 241.75%#		
40) 2-Fluorobiphenyl	11.90	172	959935	6025.01 ng/ml	-0.02
Spiked Amount 2500.000	Range 37 - 126		Recovery = 241.00%#		
61) 2,4,6-Tribromophenol	14.25	330	213449	5840.29 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 155.74%		
73) Terphenyl-d14	18.02	244	1122927	5627.22 ng/ml	-0.01
Spiked Amount 2500.000	Range 54 - 158		Recovery = 225.09%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.39	42	583571m	5747.38 ng/ml	
3) Pyridine	5.43	79	404955m	5734.53 ng/ml	
5) Bis(2-chloroethyl) Ether	7.94	93	341981	4768.41 ng/ml	96
7) Phenol	7.84	94	479987	5305.31 ng/ml#	43
8) Aniline	7.85	93	508863	5365.09 ng/ml#	71
9) 2-Chlorophenol	8.00	128	441200	4859.19 ng/ml	93
10) 1,3-Dichlorobenzene	8.20	146	524113	4910.08 ng/ml	97
11) 1,4-Dichlorobenzene	8.31	146	538642	4951.46 ng/ml	96
12) 1,2-Dichlorobenzene	8.51	146	486199	4721.65 ng/ml	97
13) Benzyl Alcohol	8.50	108	232405	4355.82 ng/ml	79
14) Bis(2-chloroisopropyl) Eth	8.69	45	712673	4010.37 ng/ml	90
15) 2-Methylphenol	8.67	107	310200	4861.15 ng/ml	86
16) Acetophenone	8.87	105	511936	4504.06 ng/ml	99
17) Hexachloroethane	8.98	117	223000	4581.47 ng/ml	89
18) N-Nitrosodi-n-propylamine	8.89	70	307772	5237.15 ng/ml	86
19) 4-Methylphenol	8.90	107	409990	4292.47 ng/ml	95
21) Nitrobenzene	9.11	77	480420	5928.05 ng/ml	92
23) Isophorone	9.49	82	797227	5520.36 ng/ml	98
24) 2-Nitrophenol	9.58	139	248203	6431.43 ng/ml	85
25) 2,4-Dimethylphenol	9.69	122	331205	6058.34 ng/ml	87

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

NOV 16 2010

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F016.D Vial: 12
Acq On : 15 Nov 2010 8:54 pm Operator: KBailey
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:02 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.84	93	381690	5005.06 ng/ml	97
27)	2,4-Dichlorophenol	9.96	162	369005	5240.80 ng/ml	94
28)	Benzoic Acid	9.96	122	187806	4263.15 ng/ml#	84
29)	1,2,4-Trichlorobenzene	10.07	180	468327	5865.12 ng/ml	99
30)	Naphthalene	10.18	128	1095989	4613.87 ng/ml	98
31)	4-Chloroaniline	10.31	127	483965	4537.97 ng/ml	94
32)	Hexachlorobutadiene	10.40	225	376321	6543.09 ng/ml	98
33)	4-Chloro-3-methylphenol	11.11	107	380766	5231.66 ng/ml	75
34)	2-Methylnaphthalene	11.29	141	642147	4216.39 ng/ml	95
35)	1-Methylnaphthalene	11.44	141	649422	4300.66 ng/ml	93
37)	Hexachlorocyclopentadiene	11.54	237	415180	8064.80 ng/ml	99
38)	2,4,6-Trichlorophenol	11.76	196	319213	6701.79 ng/ml	98
39)	2,4,5-Trichlorophenol	11.82	196	351263	6493.33 ng/ml	97
41)	2-Chloronaphthalene	12.06	127	323052	5901.03 ng/ml	96
42)	2-Nitroaniline	12.27	65	299712	6110.71 ng/ml	85
43)	Acenaphthylene	12.72	152	1167574	5167.98 ng/ml	99
44)	Dimethyl Phthalate	12.61	163	908618	5225.86 ng/ml	98
45)	2,6-Dinitrotoluene	12.69	165	228480	5549.79 ng/ml	90
46)	Acenaphthene	13.01	154	645362	4691.95 ng/ml	99
47)	3-Nitroaniline	12.95	138	220419	4894.98 ng/ml	95
48)	2,4-Dinitrophenol	13.12	184	142053	6057.11 ng/ml	80
49)	Dibenzofuran	13.30	168	1076132	4977.23 ng/ml	85
50)	4-Nitrophenol	13.29	109	192277	6644.17 ng/ml#	51
51)	2,4-Dinitrotoluene	13.34	165	321638	5653.04 ng/ml	91
52)	2,3,4,6-Tetrachlorophenol	13.52	232	336929	6275.86 ng/ml	94
53)	Fluorene	13.86	166	847917	5098.99 ng/ml	97
54)	4-Chlorophenyl Phenyl Ethe	13.89	204	516640	5875.14 ng/ml	94
55)	Diethyl Phthalate	13.77	149	956745	4948.09 ng/ml	98
56)	4-Nitroaniline	13.95	138	227453	5500.06 ng/ml#	74
57)	2-Methyl-4,6-dinitrophenol	14.00	198	221440	6447.05 ng/ml	90
58)	N-Nitrosodiphenylamine	14.10	169	629210	5314.63 ng/ml	97
59)	Azobenzene	14.15	77	948148	5336.09 ng/ml	92
62)	4-Bromophenyl Phenyl Ether	14.68	248	349262	5462.49 ng/ml	97
63)	Hexachlorobenzene	14.74	284	377783	5182.63 ng/ml	93
64)	Pentachlorophenol	15.09	266	247335	5137.41 ng/ml	98
65)	Phenanthrene	15.41	178	1178082	4205.43 ng/ml	99
66)	Anthracene	15.49	178	1242348	4260.33 ng/ml	98
67)	Carbazole	15.79	167	1101806	4359.82 ng/ml	99
68)	Di-n-butyl Phthalate	16.44	149	1512754	4038.49 ng/ml	99
69)	Fluoranthene	17.34	202	1525368	4821.53 ng/ml	94
71)	Benzidine	17.62	184	795371	6693.51 ng/ml	97

(#) = qualifier out of range (m) = manual integration NOV 18 2010
1115F016.D 111510_BNLL.M Tue Nov 16 09:05:49 2010 Page 2

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F016.D Vial: 12
Acq On : 15 Nov 2010 8:54 pm Operator: KBailey
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:02 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	Pyrene	17.70	202	1509697	5078.05 ng/ml	99
74)	Butyl Benzyl Phthalate	18.87	149	650848	4066.78 ng/ml	87
75)	3,3'-Dichlorobenzidine	19.72	252	644858	5496.33 ng/ml	97
76)	Benz(a)anthracene	19.71	228	1481386	5106.89 ng/ml	99
77)	Chrysene	19.78	228	1426676	5079.17 ng/ml	100
78)	Bis(2-ethylhexyl) Phthalat	19.94	149	879466	3950.99 ng/ml	88
80)	Di-n-octyl Phthalate	21.46	149	1457232	4033.14 ng/ml	98
81)	Benzo(b)fluoranthene	22.19	252	1342961	5297.40 ng/ml	94
82)	Benzo(k)fluoranthene	22.27	252	1392487	5288.28 ng/ml	94
83)	Benzo(a)pyrene	23.03	252	1137767	4994.62 ng/ml	95
84)	Indeno(1,2,3-cd)pyrene	25.57	276	1028637	5144.46 ng/ml	90
85)	Dibenz(a,h)anthracene	25.64	278	1068150	5112.43 ng/ml	92
86)	Benzo(g,h,i)perylene	26.07	276	1097527	4933.44 ng/ml	90

LB
NOV 16 2010

OH 11.17.10

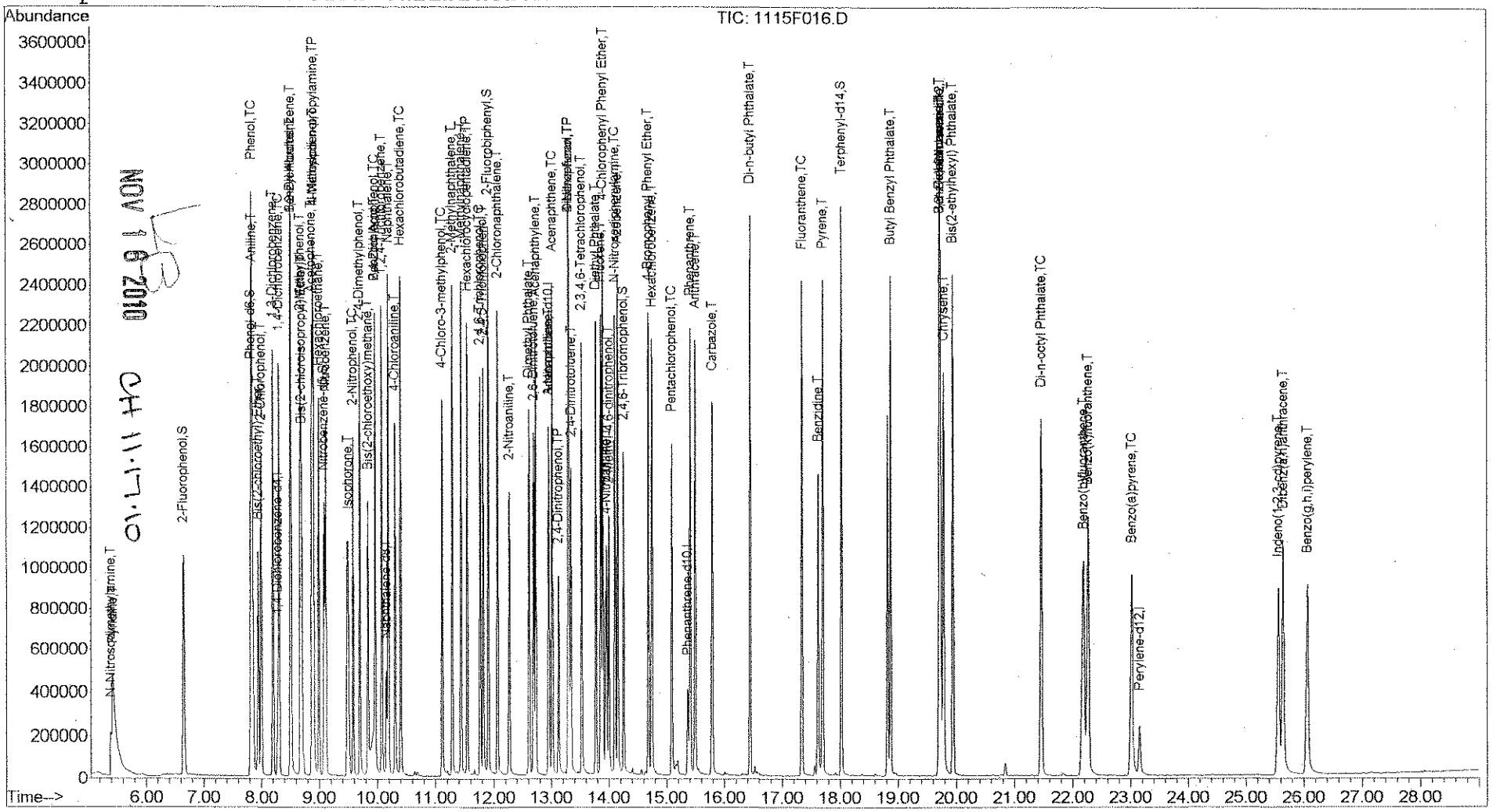
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS06\DATA\111510\1115F016.D
Acq On : 15 Nov 2010 8:54 pm
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:43 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration

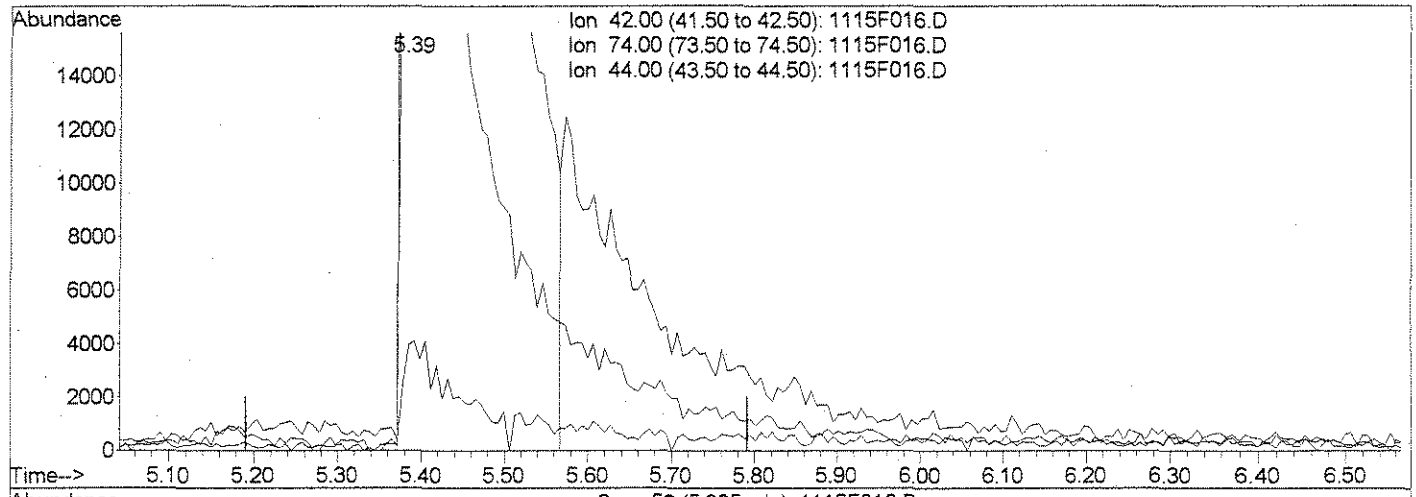


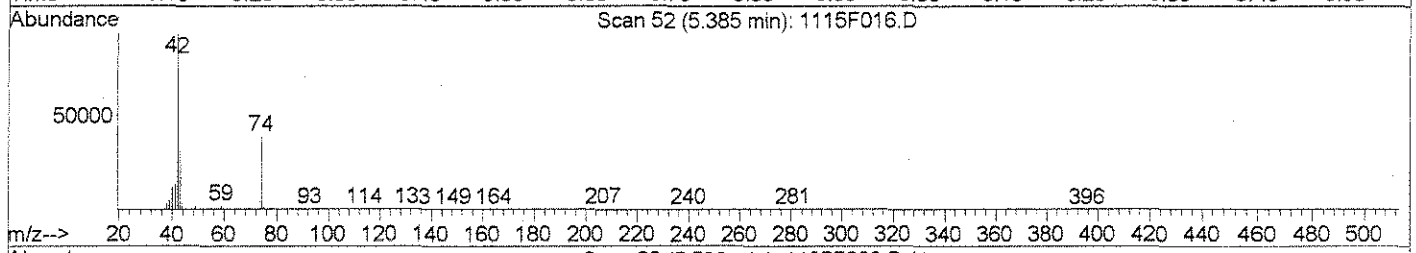
Quantitation Report (Qedit)

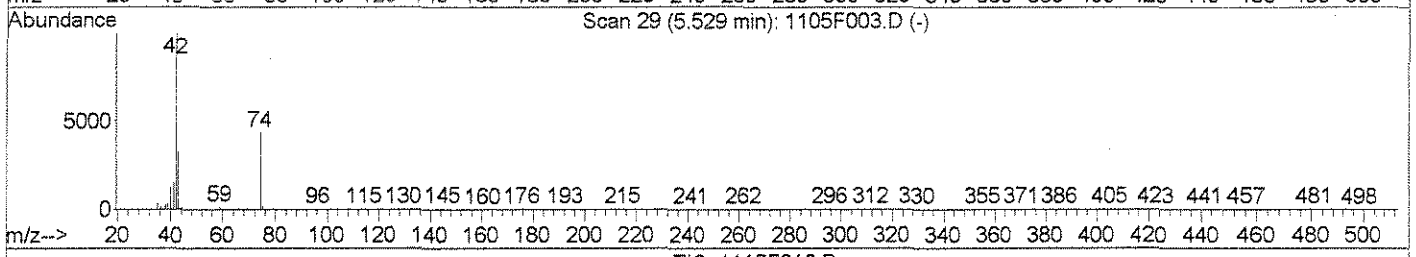
Data File : J:\MS06\DATA\111510\1115F016.D
Acq On : 15 Nov 2010 8:54 pm
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F016.D

(2) N-Nitrosodimethylamine (T)

5.39min 4563.03ng/ml

response 463316

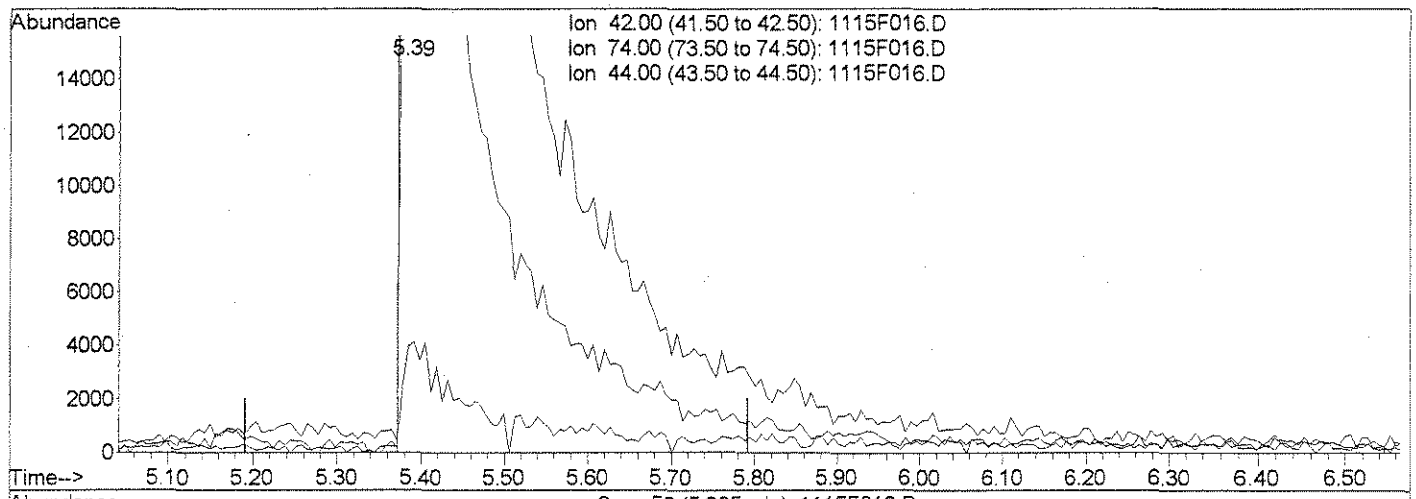
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	41.20
44.00	6.60	3.63
0.00	0.00	0.00

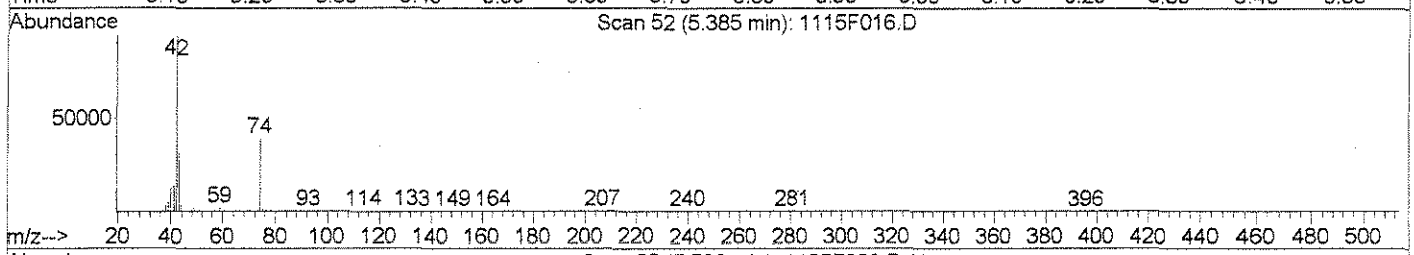
1115F016.D 111510_BNLL.M Tue Nov 16 08:43:22 2010

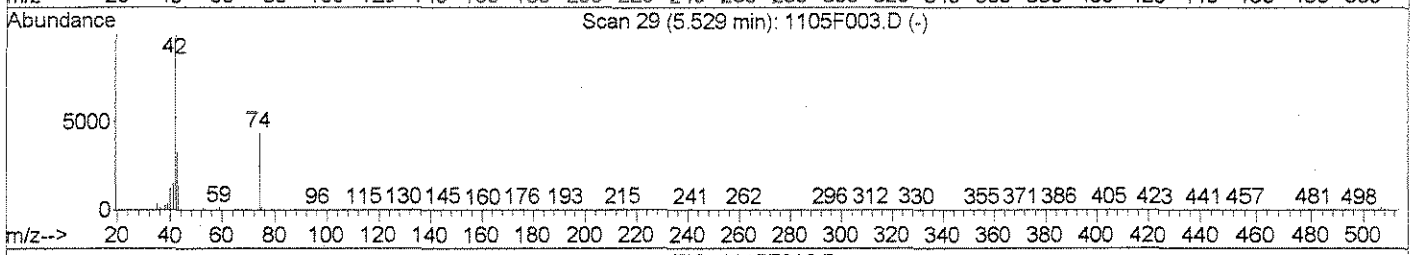
Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F016.D Vial: 12
Acq On : 15 Nov 2010 8:54 pm Operator: KBailey
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:43 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F016.D

(2) N-Nitrosodimethylamine (T)

5.39min 5747.38ng/ml m

response 583571

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	41.20
44.00	6.60	4.18
0.00	0.00	0.00

1c

LB

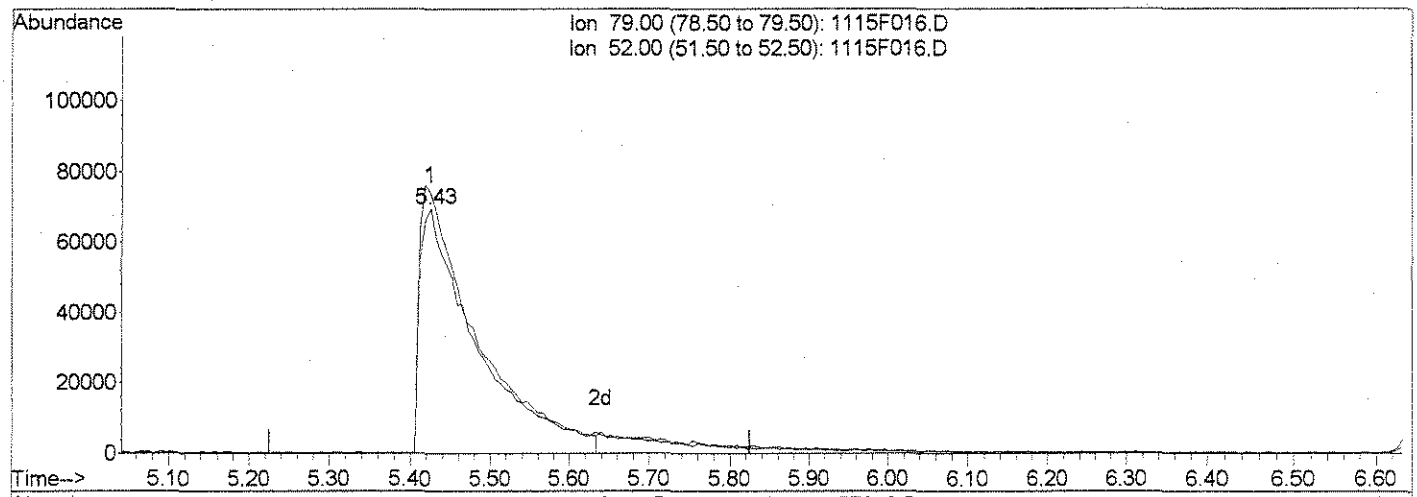
NOV 16 2010

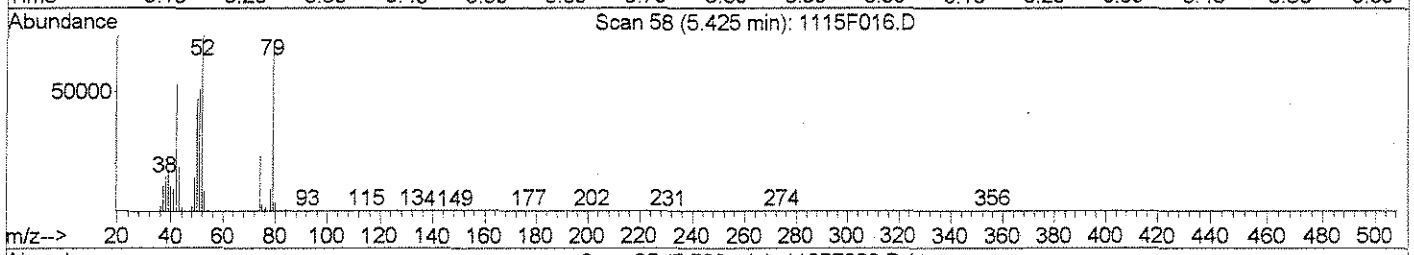
CH 11-17-10

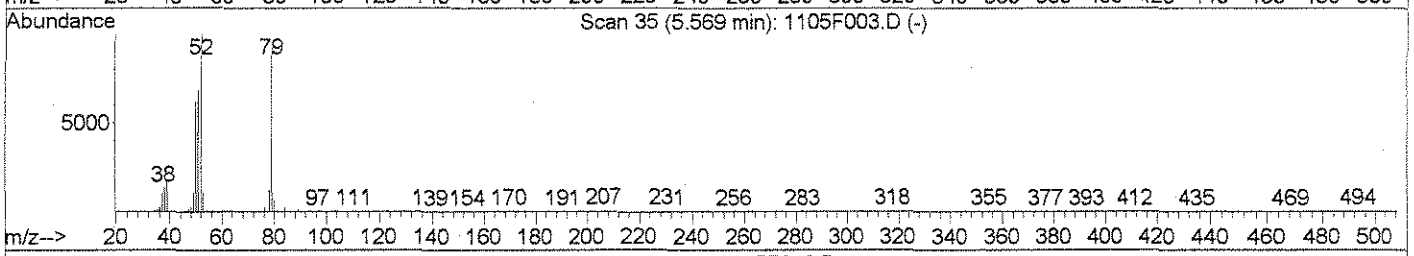
1115F016.D 111510_BNLL.M Tue Nov 16 08:43:33 2010

Data File : J:\MS06\DATA\111510\1115F016.D Vial: 12
Acq On : 15 Nov 2010 8:54 pm Operator: KBailey
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:43 2010 Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F016.D

(3) Pyridine (T)

5.43min 4898.50ng/ml

response 345917

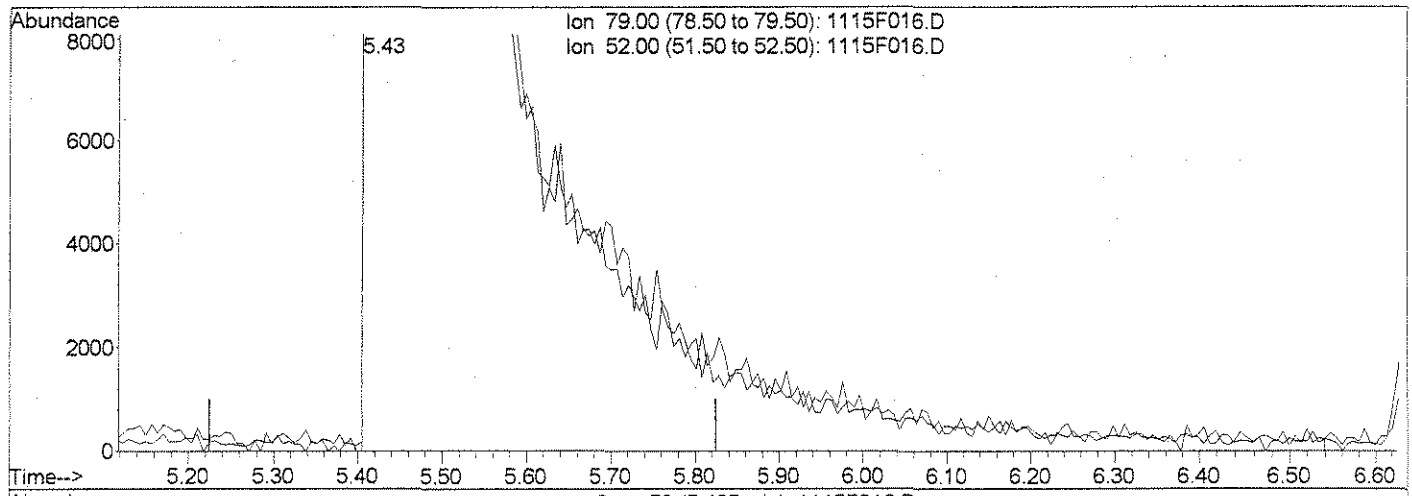
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	105.52
0.00	0.00	0.00
0.00	0.00	0.00

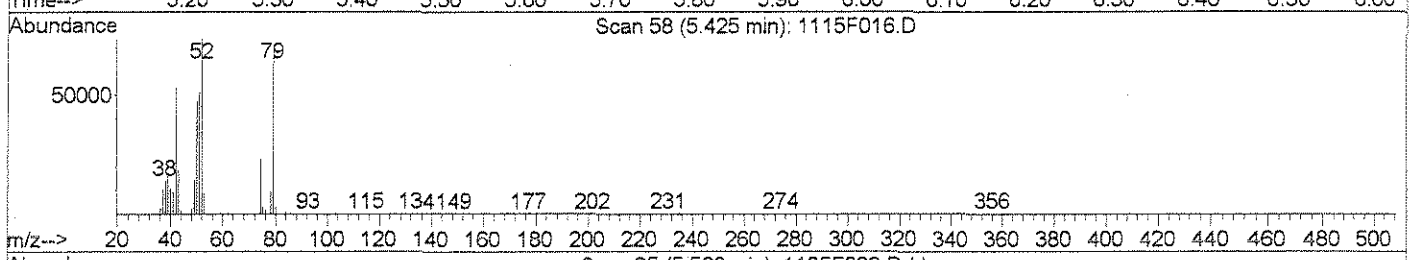
Quantitation Report (Qedit)

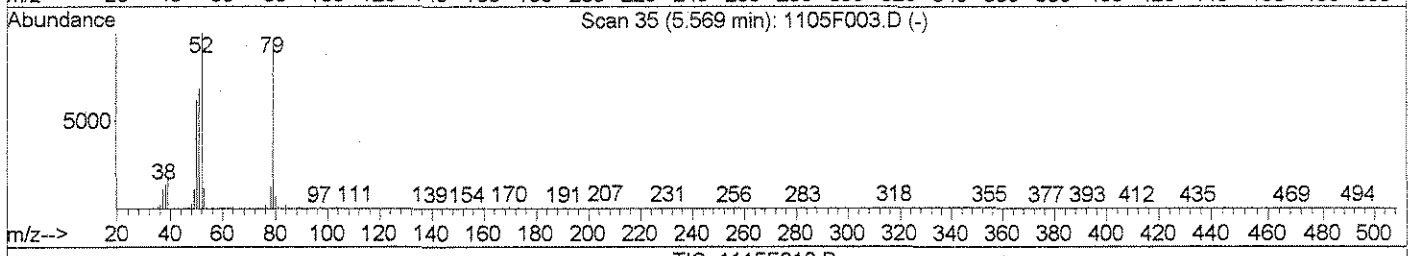
Data File : J:\MS06\DATA\111510\1115F016.D
Acq On : 15 Nov 2010 8:54 pm
Sample : 5.0ug/mL ICAL SVO_LL | SVM33-63H
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:43 2010

Vial: 12
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F016.D

(3) Pyridine (T)

5.43min 5734.53ng/ml m

response 404955

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	105.99
0.00	0.00	0.00
0.00	0.00	0.00

1c

LB
NOV 16 2010
CH 11.17.10

1115F016.D 111510_BNLL.M Tue Nov 16 08:43:46 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F017.D Vial: 13
Acq On : 15 Nov 2010 9:32 pm Operator: KBailey
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:03 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	71488	1000.00 ng/ml	-0.03
22) Naphthalene-d8	10.15	136	224195	1000.00 ng/ml	0.00
36) Acenaphthene-d10	12.95	164	112826	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.36	188	222400	1000.00 ng/ml	0.00
70) Chrysene-d12	19.73	240	267885	1000.00 ng/ml	0.00
79) Perylene-d12	23.16	264	226216	1000.00 ng/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	6.65	112	539922	7469.32 ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 199.18%#		
6) Phenol-d6	7.83	99	583957	6656.35 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 177.50%#		
20) Nitrobenzene-d5	9.09	82	683016	8162.84 ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 326.51%#		
40) 2-Fluorobiphenyl	11.91	172	1331905	8397.97 ng/ml	-0.02
Spiked Amount 2500.000	Range 37 - 126		Recovery = 335.92%#		
61) 2,4,6-Tribromophenol	14.26	330	291780	8099.32 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 215.98%#		
73) Terphenyl-d14	18.02	244	1491524	7637.50 ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 305.50%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.37	42	818535m	7878.33 ng/ml	
3) Pyridine	5.41	79	552785m	7650.11 ng/ml	
5) Bis(2-chloroethyl) Ether	7.95	93	457902	6239.71 ng/ml	93
7) Phenol	7.85	94	625318	6754.64 ng/ml#	27
8) Aniline	7.85	93	672984	6934.28 ng/ml#	45
9) 2-Chlorophenol	8.00	128	603405	6494.68 ng/ml	95
10) 1,3-Dichlorobenzene	8.20	146	710749	6507.29 ng/ml	97
11) 1,4-Dichlorobenzene	8.30	146	728810	6547.39 ng/ml	96
12) 1,2-Dichlorobenzene	8.51	146	667564	6335.68 ng/ml	98
13) Benzyl Alcohol	8.50	108	318839	5840.05 ng/ml	77
14) Bis(2-chloroisopropyl) Eth	8.70	45	941719	5178.88 ng/ml	90
15) 2-Methylphenol	8.68	107	413074	6326.24 ng/ml	80
16) Acetophenone	8.87	105	704529	6057.69 ng/ml	96
17) Hexachloroethane	8.99	117	311631	6256.93 ng/ml	85
18) N-Nitrosodi-n-propylamine	8.90	70	414126	6886.81 ng/ml	89
19) 4-Methylphenol	8.91	107	540134	5526.57 ng/ml	95
21) Nitrobenzene	9.11	77	660015	7959.12 ng/ml	91
23) Isophorone	9.50	82	1104341	7455.98 ng/ml	96
24) 2-Nitrophenol	9.58	139	342426	8651.34 ng/ml	81
25) 2,4-Dimethylphenol	9.70	122	453569	8089.40 ng/ml	89

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

CH 11-17-10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F017.D Vial: 13
Acq On : 15 Nov 2010 9:32 pm Operator: KBailey
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:03 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26)	Bis(2-chloroethoxy)methane	9.84	93	516348	6601.72 ng/ml	97
27)	2,4-Dichlorophenol	9.97	162	517198	7162.06 ng/ml	96
28)	Benzoic Acid	10.01	122	271072	5555.22 ng/ml	94
29)	1,2,4-Trichlorobenzene	10.07	180	657110	8023.84 ng/ml	99
30)	Naphthalene	10.19	128	1487753	6106.70 ng/ml	98
31)	4-Chloroaniline	10.31	127	665270	6082.22 ng/ml	92
32)	Hexachlorobutadiene	10.40	225	524746	8895.90 ng/ml	98
33)	4-Chloro-3-methylphenol	11.12	107	528916	7085.73 ng/ml	79
34)	2-Methylnaphthalene	11.29	141	876710	5612.78 ng/ml	94
35)	1-Methylnaphthalene	11.44	141	884384	5710.39 ng/ml	94
37)	Hexachlorocyclopentadiene	11.54	237	585193	11419.36 ng/ml	98
38)	2,4,6-Trichlorophenol	11.77	196	445485	9395.69 ng/ml	98
39)	2,4,5-Trichlorophenol	11.82	196	491509	9127.50 ng/ml	97
41)	2-Chloronaphthalene	12.07	127	441624	8103.89 ng/ml	95
42)	2-Nitroaniline	12.28	65	406483	8150.84 ng/ml	89
43)	Acenaphthylene	12.73	152	1593998	7087.77 ng/ml	99
44)	Dimethyl Phthalate	12.62	163	1246372	7201.28 ng/ml	99
45)	2,6-Dinitrotoluene	12.70	165	316185	7388.78 ng/ml	94
46)	Acenaphthene	13.01	154	884698	6461.46 ng/ml	100
47)	3-Nitroaniline	12.96	138	304128	6607.19 ng/ml	93
48)	2,4-Dinitrophenol	13.13	184	204614	7775.33 ng/ml	80
49)	Dibenzofuran	13.30	168	1462969	6797.40 ng/ml	70
50)	4-Nitrophenol	13.30	109	273671	9500.09 ng/ml#	7
51)	2,4-Dinitrotoluene	13.35	165	442616	7602.12 ng/ml	95
52)	2,3,4,6-Tetrachlorophenol	13.53	232	472610	8533.77 ng/ml	89
53)	Fluorene	13.86	166	1150552	6950.60 ng/ml	98
54)	4-Chlorophenyl Phenyl Ethe	13.89	204	698760	7982.59 ng/ml	94
55)	Diethyl Phthalate	13.78	149	1288050	6692.06 ng/ml	97
56)	4-Nitroaniline	13.97	138	302685	7352.79 ng/ml#	73
57)	2-Methyl-4,6-dinitrophenol	14.01	198	305460	8426.66 ng/ml	86
58)	N-Nitrosodiphenylamine	14.11	169	851595	7225.97 ng/ml	97
59)	Azobenzene	14.15	77	1280342	7238.66 ng/ml	92
62)	4-Bromophenyl Phenyl Ether	14.69	248	464644	7372.46 ng/ml	99
63)	Hexachlorobenzene	14.75	284	509213	7086.95 ng/ml	93
64)	Pentachlorophenol	15.09	266	339820	6827.75 ng/ml	99
65)	Phenanthrene	15.41	178	1563720	5662.99 ng/ml	98
66)	Anthracene	15.50	178	1657060	5764.89 ng/ml	99
67)	Carbazole	15.79	167	1464503	5879.03 ng/ml	98
68)	Di-n-butyl Phthalate	16.44	149	1994233	5401.07 ng/ml	98
69)	Fluoranthene	17.34	202	2026156	6497.33 ng/ml	94
71)	Benzidine	17.63	184	1079700	9284.66 ng/ml	97

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F017.D Vial: 13
Acq On : 15 Nov 2010 9:32 pm Operator: KBailey
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:03 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	Pyrene	17.71	202	2028364	6971.59 ng/ml	98
74)	Butyl Benzyl Phthalate	18.87	149	880928	5624.59 ng/ml	84
75)	3,3'-Dichlorobenzidine	19.73	252	876146	7630.69 ng/ml	96
76)	Benz(a)anthracene	19.71	228	1998719	7040.75 ng/ml	100
77)	Chrysene	19.79	228	1942160	7065.31 ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.94	149	1200705	5511.90 ng/ml	89
80)	Di-n-octyl Phthalate	21.47	149	2002232	5401.04 ng/ml	98
81)	Benzo(b)fluoranthene	22.20	252	1855649	7411.86 ng/ml	96
82)	Benzo(k)fluoranthene	22.28	252	1910069	7345.21 ng/ml	95
83)	Benzo(a)pyrene	23.04	252	1571506	6985.48 ng/ml	95
84)	Indeno(1,2,3-cd)pyrene	25.58	276	1437817	7281.36 ng/ml	91
85)	Dibenz(a,h)anthracene	25.66	278	1529009	7410.31 ng/ml	91
86)	Benzo(g,h,i)perylene	26.08	276	1527739	6953.69 ng/ml	88

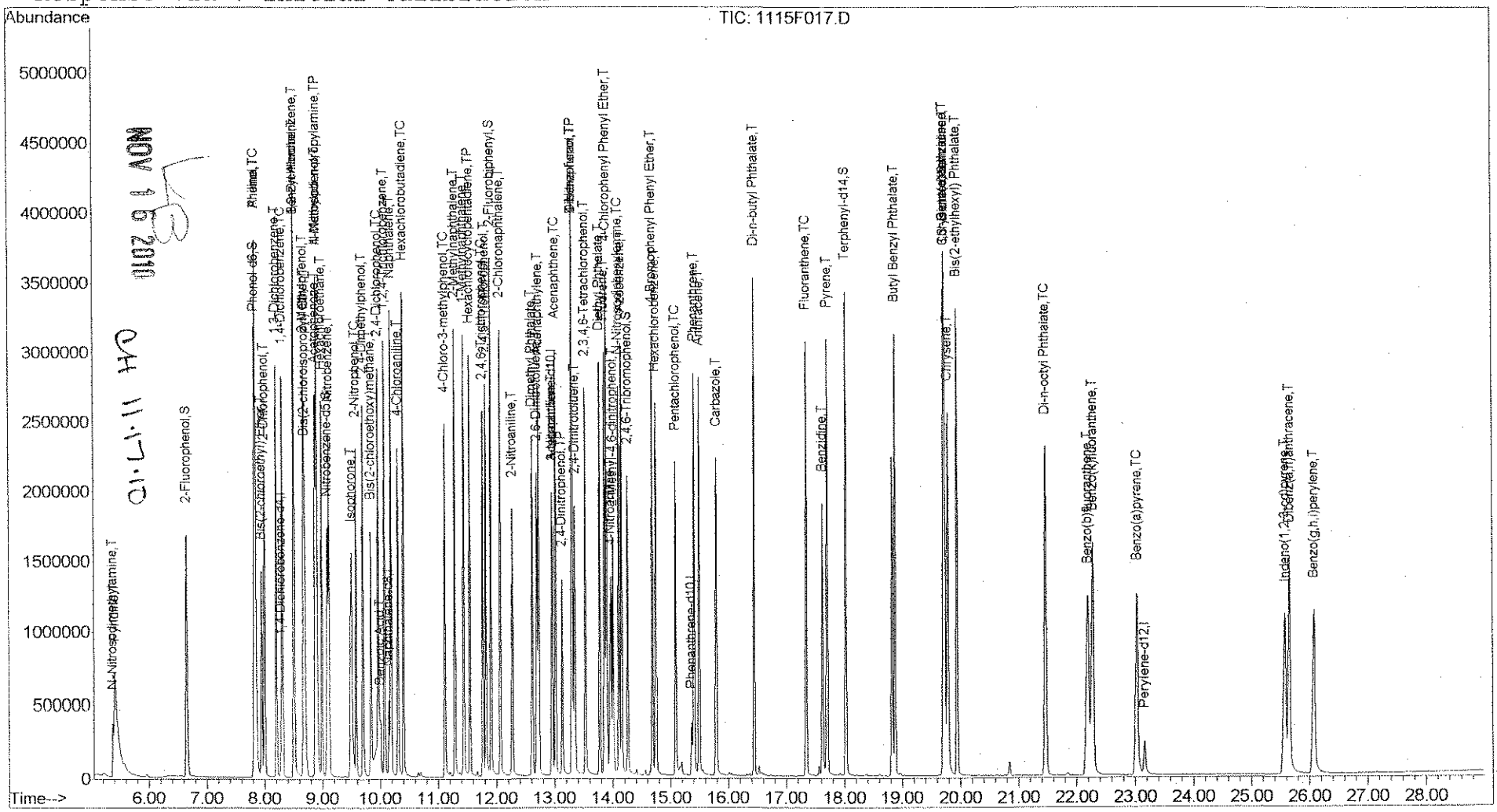
NOV 16 2010

CH 11.17.10

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

Data File : J:\MS06\DATA\111510\1115F017.D Vial: 13
Acq On : 15 Nov 2010 9:32 pm Operator: KBailey
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:44 2010 Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



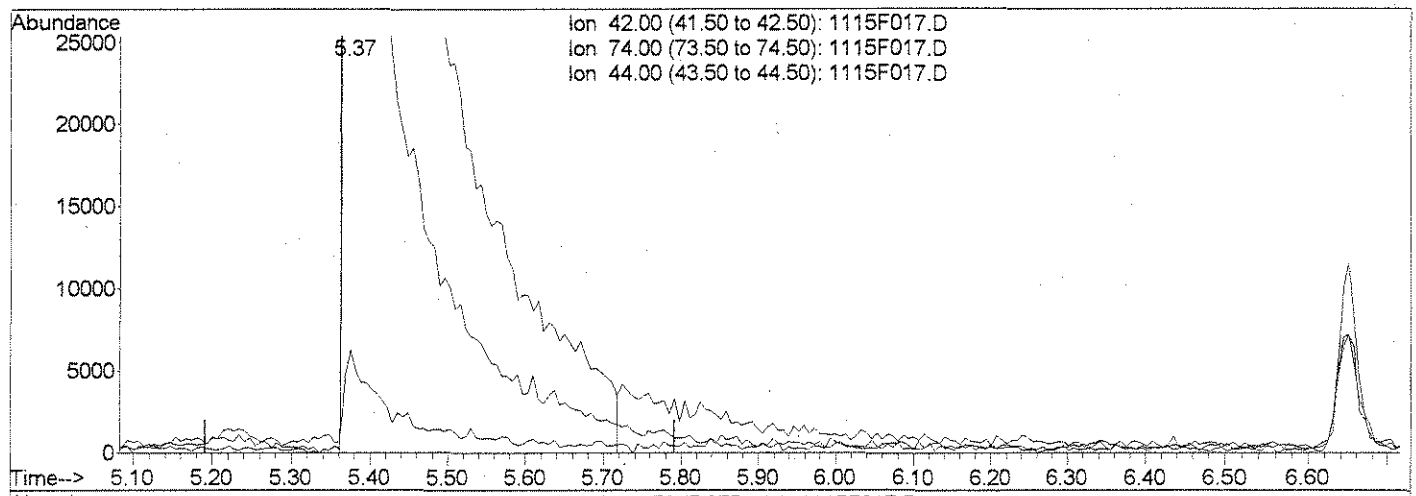
2446

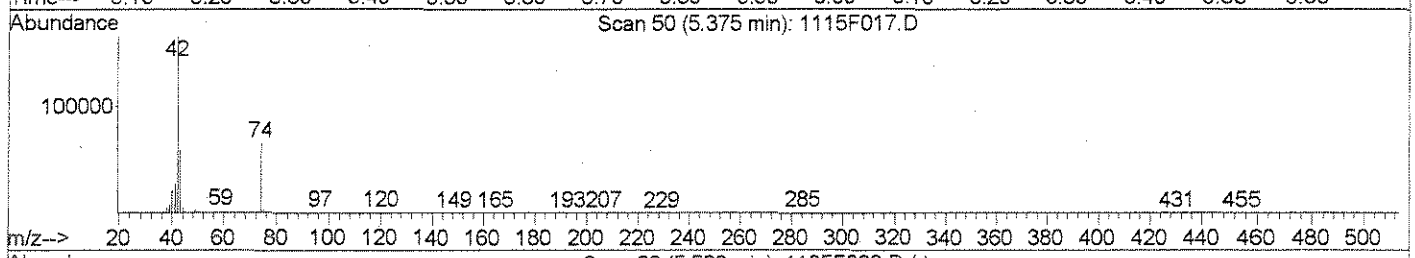
Quantitation Report (Qedit)

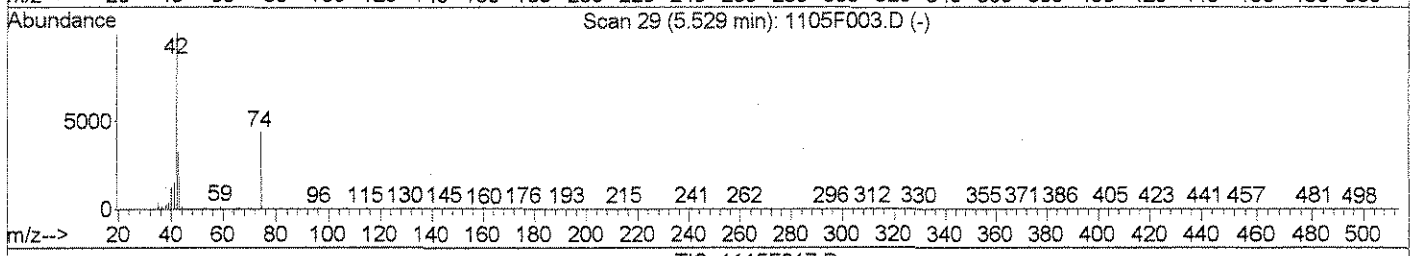
Data File : J:\MS06\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 9:32 pm
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F017.D

(2) N-Nitrosodimethylamine (T)

5.37min 7317.31ng/ml

response 760247

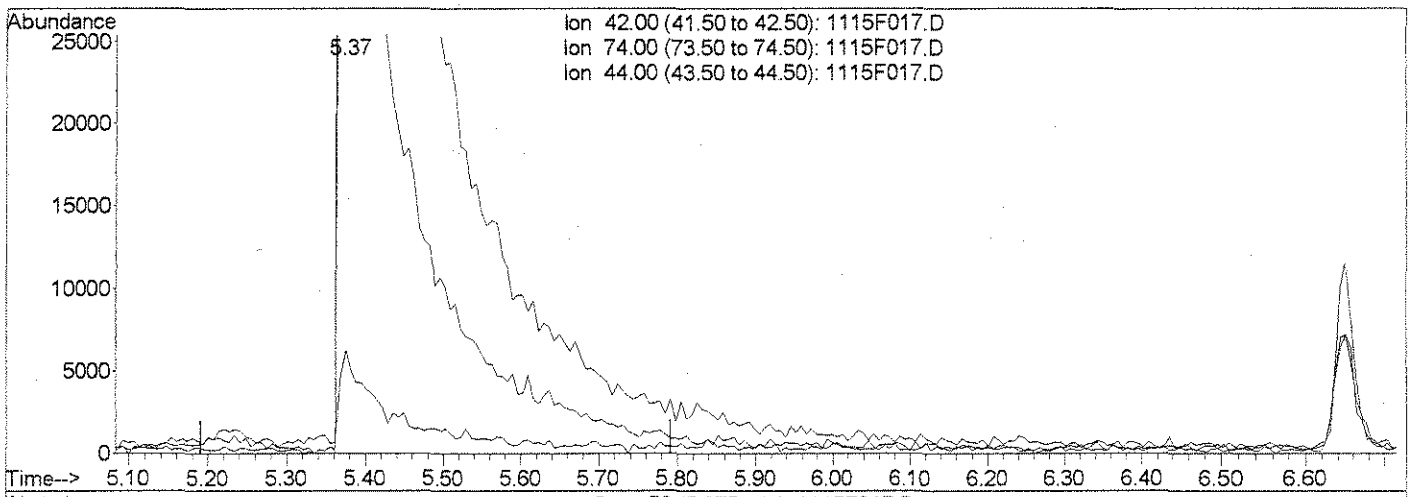
Ion	Exp%	Act%
42.00	100	100
74.00	40.90	39.40
44.00	6.60	3.49
0.00	0.00	0.00

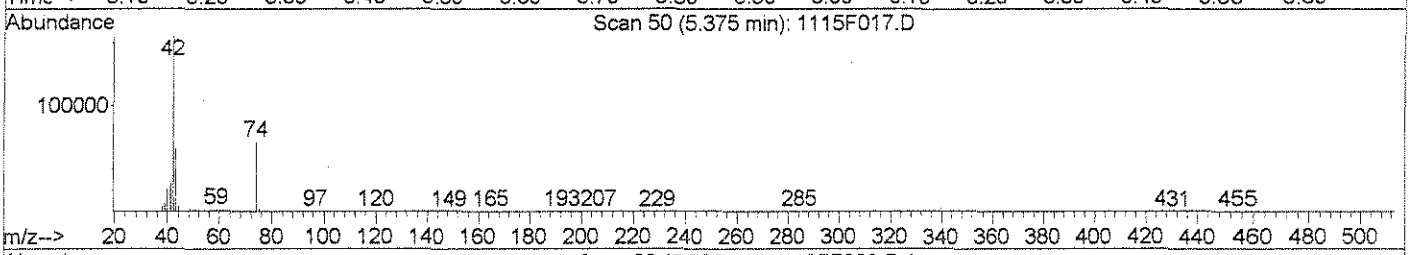
Quantitation Report (Qedit)

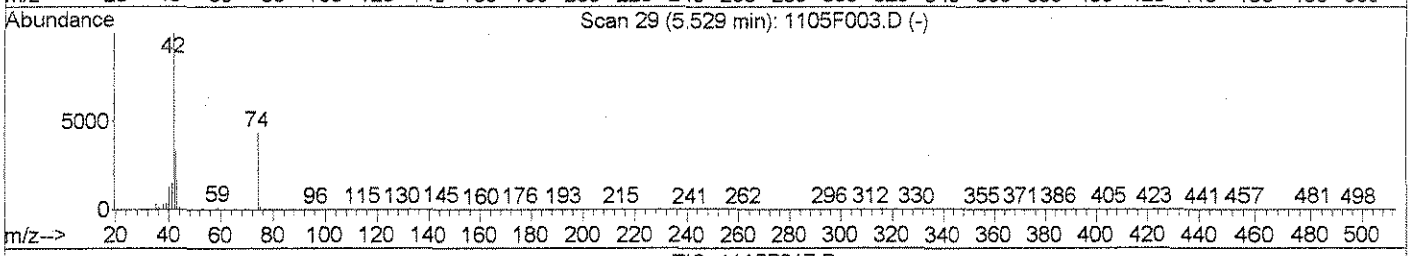
Data File : J:\MS06\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 9:32 pm
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:44 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F017.D

(2) N-Nitrosodimethylamine (T)

5.37min 7878.33ng/ml m

response 818535

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	39.40
44.00	6.60	3.76
0.00	0.00	0.00

1C

NOV 16 2010

CH 11.17.10

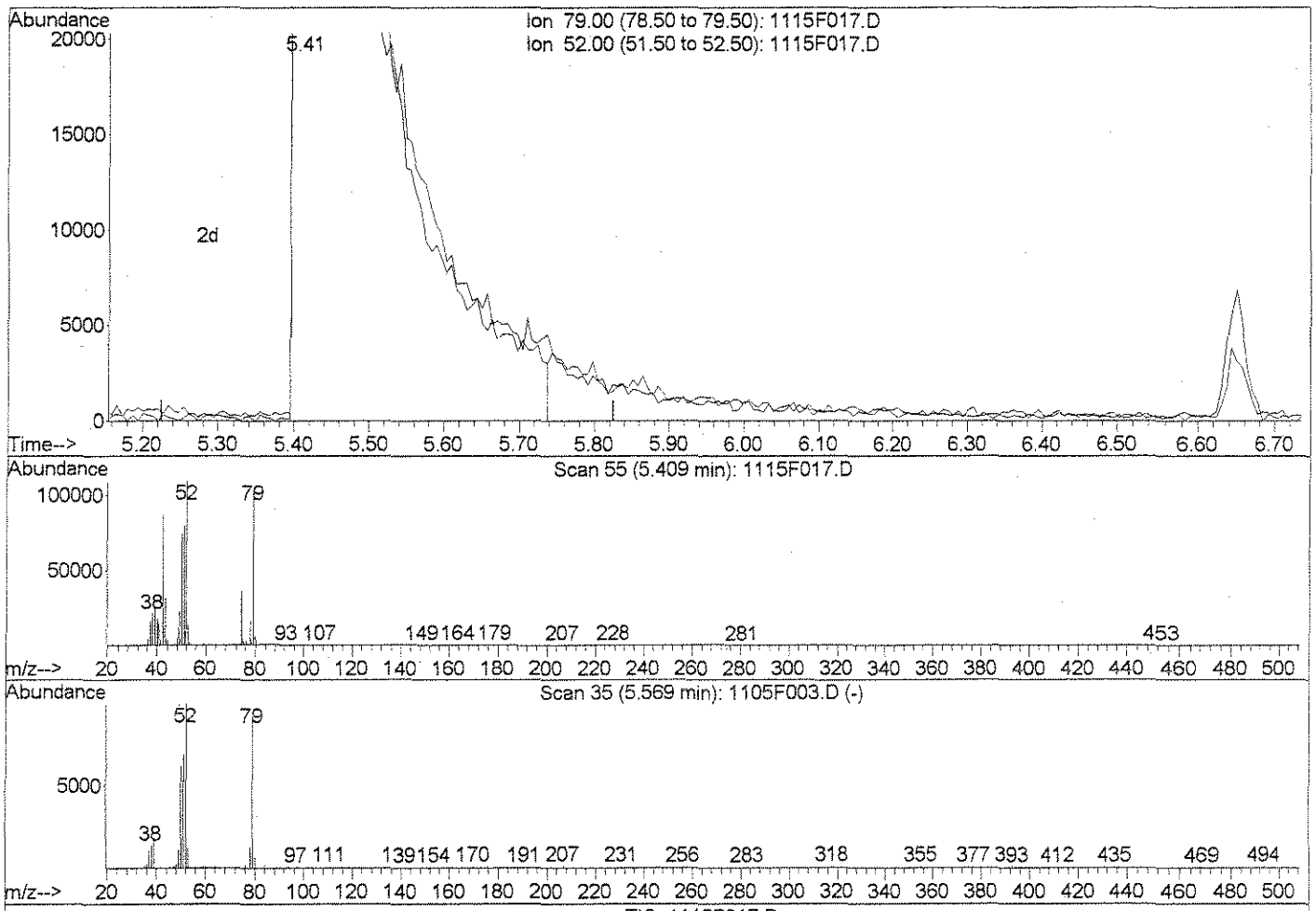
1115F017.D 111510_BNLL.M Tue Nov 16 08:44:34 2010

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 9:32 pm
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:44 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration



(3) Pyridine (T)

5.41min 7135.24ng/ml

response 515581

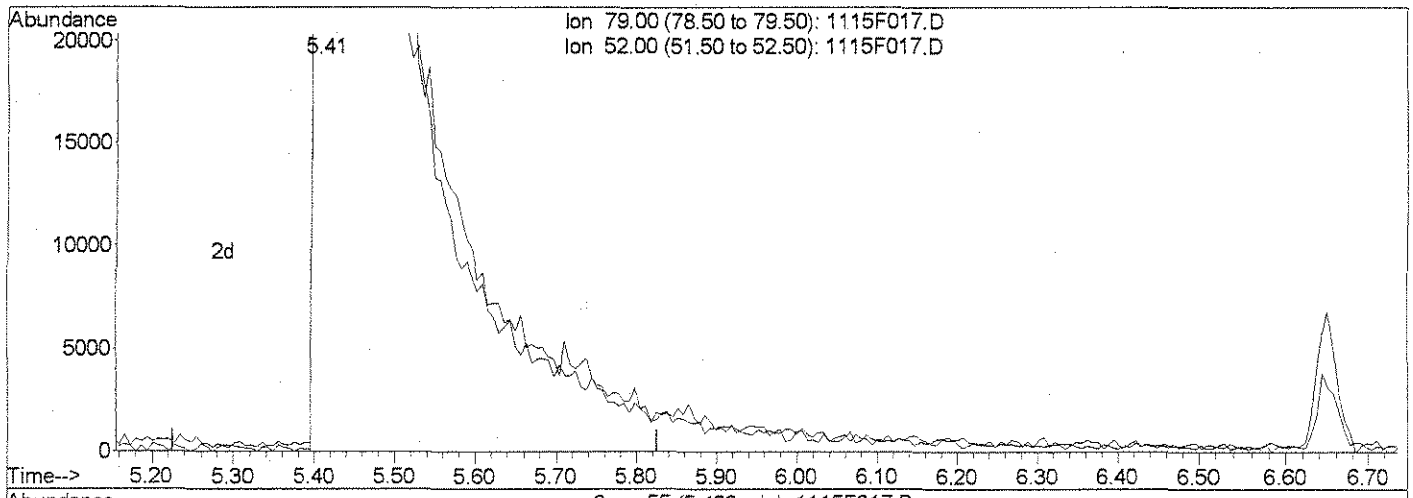
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	106.71
0.00	0.00	0.00
0.00	0.00	0.00

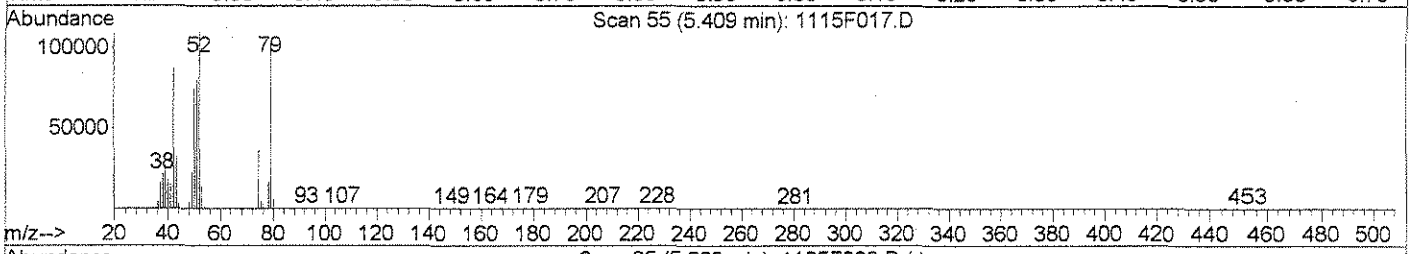
Quantitation Report (Qedit)

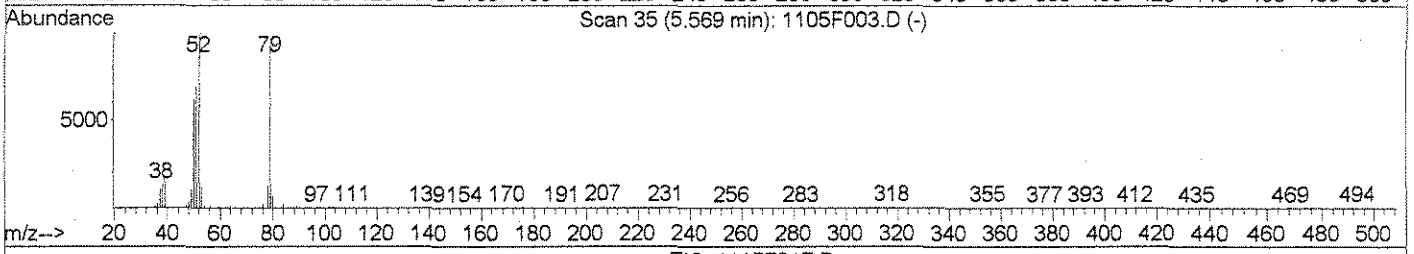
Data File : J:\MS06\DATA\111510\1115F017.D
Acq On : 15 Nov 2010 9:32 pm
Sample : 7.0ug/mL ICAL SVO_LL | SVM33-63I
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:44 2010

Vial: 13
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F017.D

(3) Pyridine (T)

5.41min 7650.11ng/ml m

response 552785

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	107.16
0.00	0.00	0.00
0.00	0.00	0.00

1C

NOV 16 2010

CH 11.17.10

1115F017.D 111510_BNLL.M Tue Nov 16 08:44:46 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:04 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	68857	1000.00 ng/ml	-0.03
22) Naphthalene-d8	10.15	136	211438	1000.00 ng/ml	0.00
36) Acenaphthene-d10	12.95	164	113234	1000.00 ng/ml	-0.02
60) Phenanthrene-d10	15.37	188	227730	1000.00 ng/ml	0.00
70) Chrysene-d12	19.74	240	268971	1000.00 ng/ml	0.00
79) Perylene-d12	23.16	264	225012	1000.00 ng/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	6.64	112	744168	10688.23 ng/ml	-0.05
Spiked Amount 3750.000	Range 38 - 110		Recovery = 285.02%#		
6) Phenol-d6	7.83	99	792847	9382.74 ng/ml	0.01
Spiked Amount 3750.000	Range 43 - 128		Recovery = 250.21%#		
20) Nitrobenzene-d5	9.09	82	948794	11772.47 ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 470.90%#		
40) 2-Fluorobiphenyl	11.91	172	1881541	11820.81 ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 472.83%#		
61) 2,4,6-Tribromophenol	14.26	330	424302	11502.25 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 306.73%#		
73) Terphenyl-d14	18.03	244	2165549	11044.14 ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 441.77%#		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.36	42	1170945m	11700.87 ng/ml	
3) Pyridine	5.40	79	744680m	10699.57 ng/ml	
5) Bis(2-chloroethyl) Ether	7.95	93	625057	8842.94 ng/ml	96
7) Phenol	7.85	94	837053	9387.27 ng/ml#	25
8) Aniline	7.85	93	898047	9606.85 ng/ml#	1
9) 2-Chlorophenol	8.00	128	835139	9332.38 ng/ml	93
10) 1,3-Dichlorobenzene	8.20	146	996763	9474.60 ng/ml	97
11) 1,4-Dichlorobenzene	8.31	146	1016475	9480.59 ng/ml	98
12) 1,2-Dichlorobenzene	8.51	146	920657	9071.59 ng/ml	98
13) Benzyl Alcohol	8.52	108	434238	8257.68 ng/ml	75
14) Bis(2-chloroisopropyl) Eth	8.70	45	1249670	7135.02 ng/ml	85
15) 2-Methylphenol	8.68	107	563097	8953.36 ng/ml#	76
16) Acetophenone	8.88	105	959454	8564.81 ng/ml	95
17) Hexachloroethane	8.99	117	425125	8861.80 ng/ml	84
18) N-Nitrosodi-n-propylamine	8.91	70	566976	9788.94 ng/ml	91
19) 4-Methylphenol	8.92	107	730476	7759.70 ng/ml	94
21) Nitrobenzene	9.12	77	912207	11420.61 ng/ml	89
23) Isophorone	9.52	82	1529649	10950.56 ng/ml	97
24) 2-Nitrophenol	9.59	139	476173	12756.29 ng/ml	85
25) 2,4-Dimethylphenol	9.71	122	610707	11549.11 ng/ml	85

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

NOV 16 2010

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F018.D Vial: 14
Acq On : 15 Nov 2010 10:09 pm Operator: KBailey
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:04 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) Bis(2-chloroethoxy)methane	9.85	93	703476	9536.89 ng/ml	98
27) 2,4-Dichlorophenol	9.97	162	714669	10493.71 ng/ml	97
28) Benzoic Acid	10.05	122	420599m	8181.59 ng/ml	
29) 1,2,4-Trichlorobenzene	10.08	180	910240	11785.36 ng/ml	98
30) Naphthalene	10.20	128	2072187	9018.78 ng/ml	98
31) 4-Chloroaniline	10.32	127	922109	8939.01 ng/ml	92
32) Hexachlorobutadiene	10.40	225	738847	13281.23 ng/ml	97
33) 4-Chloro-3-methylphenol	11.12	107	723468	10276.85 ng/ml	78
34) 2-Methylnaphthalene	11.30	141	1207478	8196.80 ng/ml	95
35) 1-Methylnaphthalene	11.45	141	1232793	8440.30 ng/ml	93
37) Hexachlorocyclopentadiene	11.55	237	839955	16331.69 ng/ml	99
38) 2,4,6-Trichlorophenol	11.77	196	626536	13166.62 ng/ml	98
39) 2,4,5-Trichlorophenol	11.83	196	688293	12735.80 ng/ml	97
41) 2-Chloronaphthalene	12.07	127	624242	11413.70 ng/ml	94
42) 2-Nitroaniline	12.28	65	570375	11064.32 ng/ml	86
43) Acenaphthylene	12.73	152	2232337	9890.40 ng/ml	99
44) Dimethyl Phthalate	12.63	163	1766923	10172.13 ng/ml	98
45) 2,6-Dinitrotoluene	12.71	165	443115	9779.50 ng/ml	80
46) Acenaphthene	13.02	154	1221310	8887.79 ng/ml	97
47) 3-Nitroaniline	12.97	138	436175	9095.55 ng/ml	96
48) 2,4-Dinitrophenol	13.14	184	311432	10181.95 ng/ml	89
49) Dibenzofuran	13.31	168	2043101	9458.67 ng/ml	72
50) 4-Nitrophenol	13.31	109	398088	13769.25 ng/ml#	1
51) 2,4-Dinitrotoluene	13.36	165	633169	10424.60 ng/ml	97
52) 2,3,4,6-Tetrachlorophenol	13.54	232	675214	11597.14 ng/ml	90
53) Fluorene	13.87	166	1645575	9905.26 ng/ml	98
54) 4-Chlorophenyl Phenyl Ethe	13.90	204	1003630	11424.10 ng/ml	95
55) Diethyl Phthalate	13.79	149	1837664	9513.18 ng/ml	98
56) 4-Nitroaniline	13.99	138	440795	10669.15 ng/ml	77
57) 2-Methyl-4,6-dinitrophenol	14.02	198	448057	11360.05 ng/ml	93
58) N-Nitrosodiphenylamine	14.12	169	1219477	10310.25 ng/ml	98
59) Azobenzene	14.16	77	1784575	10053.09 ng/ml	92
62) 4-Bromophenyl Phenyl Ether	14.69	248	678975	10521.08 ng/ml	96
63) Hexachlorobenzene	14.75	284	730214	9924.86 ng/ml	92
64) Pentachlorophenol	15.10	266	501138	9224.90 ng/ml	98
65) Phenanthrene	15.42	178	2262315	8001.19 ng/ml	98
66) Anthracene	15.50	178	2393022	8130.44 ng/ml	98
67) Carbazole	15.80	167	2099710	8231.70 ng/ml	97
68) Di-n-butyl Phthalate	16.45	149	2869811	7590.52 ng/ml	99
69) Fluoranthene	17.35	202	2941709	9212.48 ng/ml	93
71) Benzidine	17.63	184	1506802	12905.11 ng/ml	96

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

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F018.D Vial: 14
Acq On : 15 Nov 2010 10:09 pm Operator: KBailey
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:32:04 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	Pyrene	17.71	202	2904446	9942.42 ng/ml	100
74)	Butyl Benzyl Phthalate	18.88	149	1236225	7861.23 ng/ml	86
75)	3,3'-Dichlorobenzidine	19.74	252	1235998	10721.32 ng/ml	97
76)	Benz(a)anthracene	19.72	228	2857959	10026.89 ng/ml	99
77)	Chrysene	19.80	228	2735368	9910.72 ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.95	149	1679161	7677.16 ng/ml	87
80)	Di-n-octyl Phthalate	21.47	149	2847044	7333.01 ng/ml	97
81)	Benzo(b)fluoranthene	22.24	252	2814667	11302.54 ng/ml	94
82)	Benzo(k)fluoranthene	22.31	252	2473191m	9561.60 ng/ml	
83)	Benzo(a)pyrene	23.06	252	2208980	9871.65 ng/ml	94
84)	Indeno(1,2,3-cd)pyrene	25.61	276	2074427	10561.48 ng/ml	91
85)	Dibenz(a,h)anthracene	25.68	278	2166105	10554.16 ng/ml	89
86)	Benzo(g,h,i)perylene	26.10	276	2124033	9719.53 ng/ml	87

LB
NOV 16 2010

CH 11.17.10

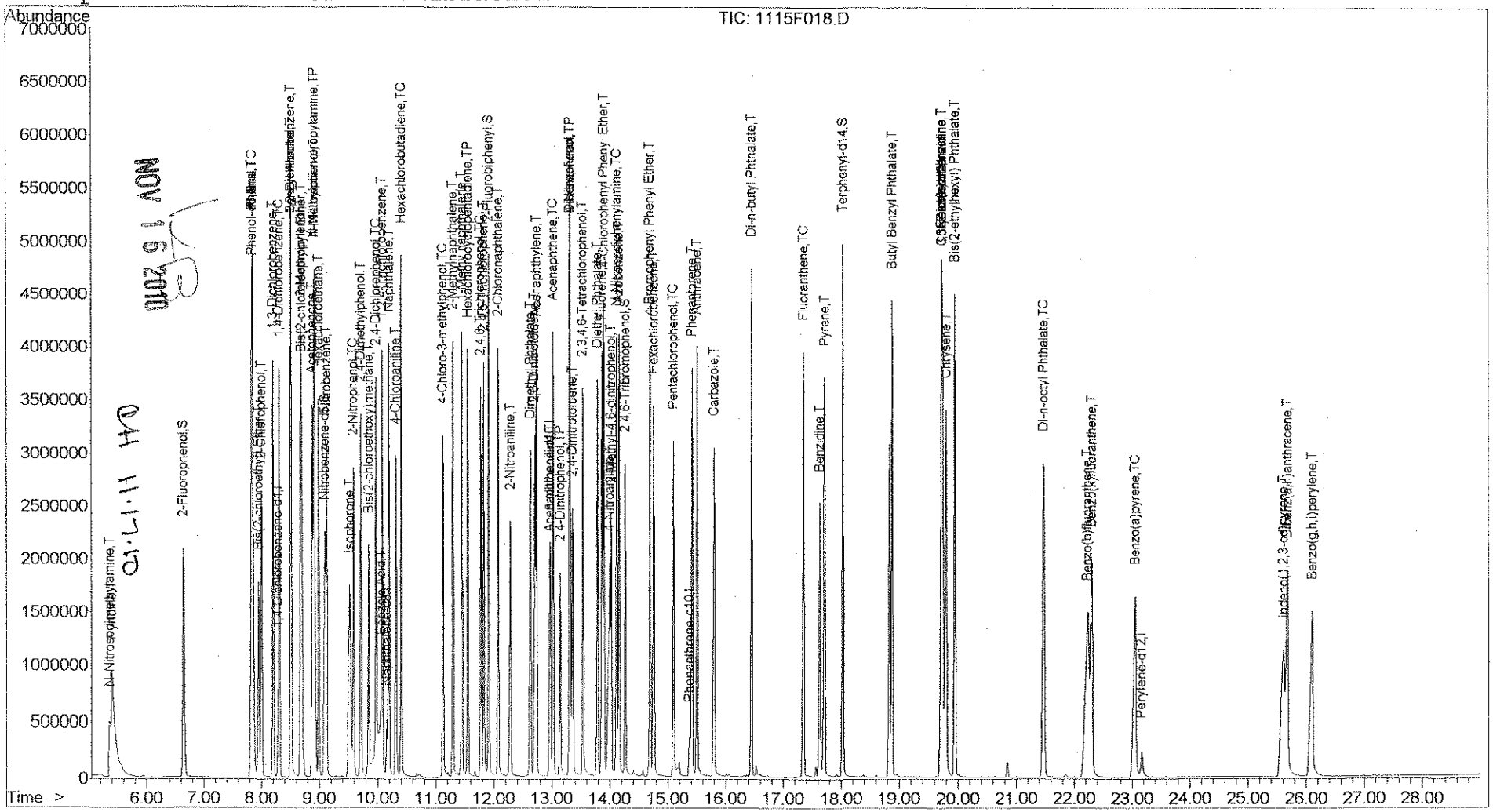
(#) = qualifier out of range (m) = manual integration

Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:46 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



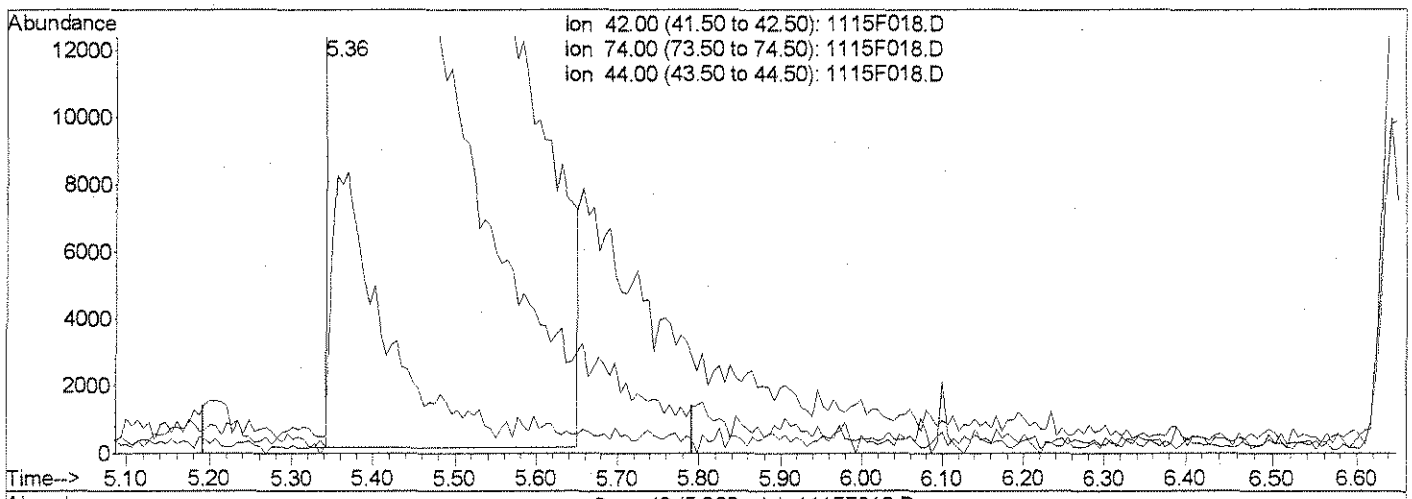
2454

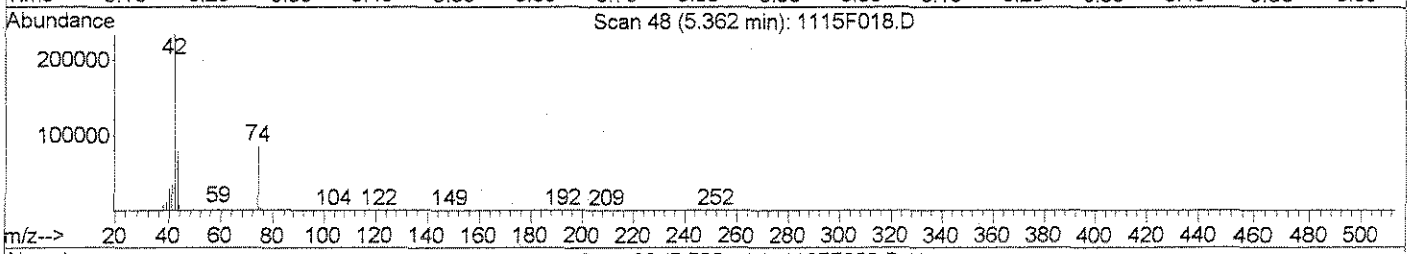
Quantitation Report (Qedit)

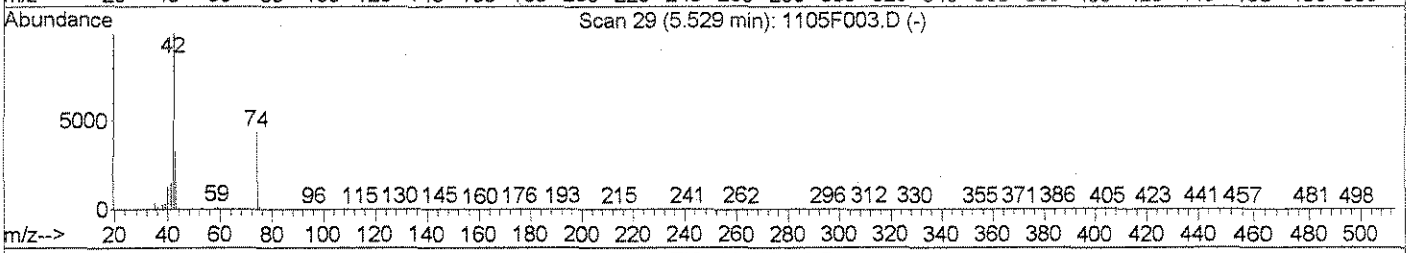
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:32 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F018.D

(2) N-Nitrosodimethylamine (T)

5.36min 10770.14ng/ml

response 1077803

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	36.53
44.00	6.60	3.20
0.00	0.00	0.00

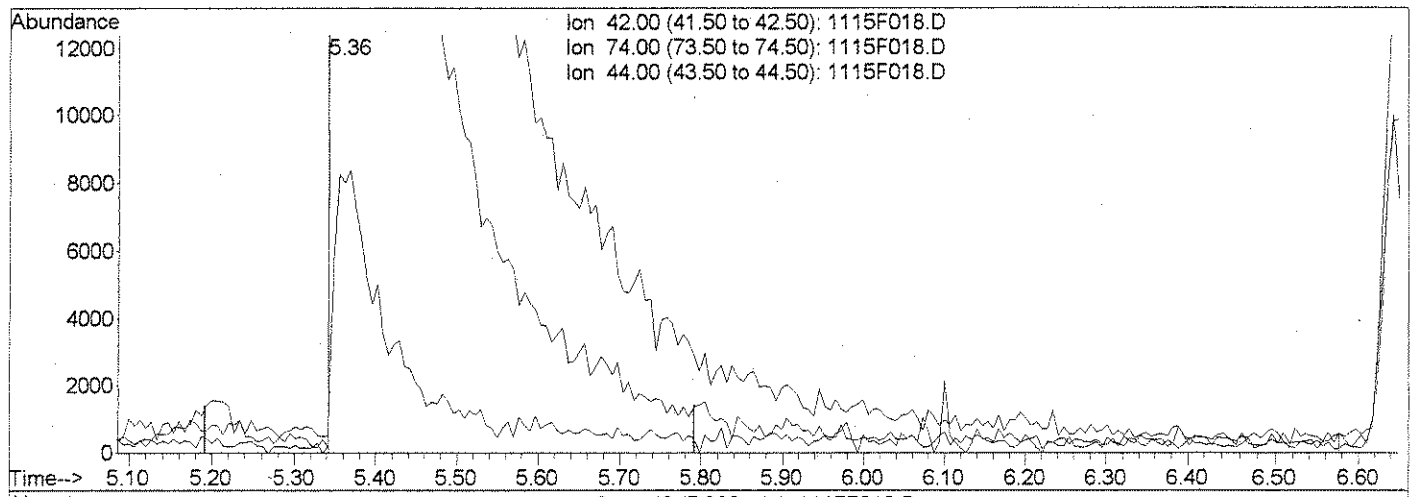
1115F018.D 111510_BNLL.M Tue Nov 16 08:45:35 2010

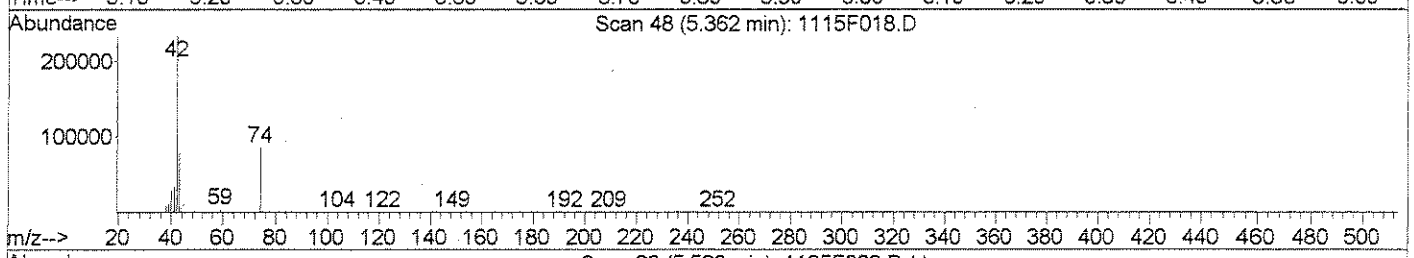
Quantitation Report (Qedit)

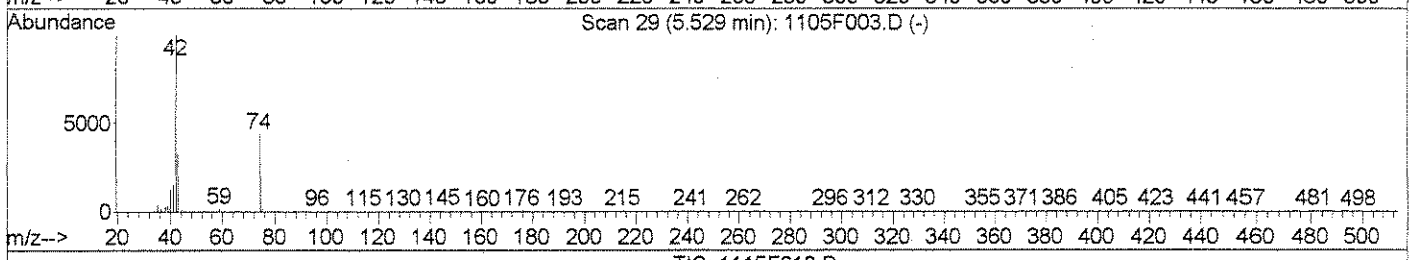
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:45 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F018.D

(2) N-Nitrosodimethylamine (T)

5.36min 11700.87ng/ml m

response 1170945

Ion	Exp%	Act%
42.00	100	100
74.00	40.90	36.63
44.00	6.60	3.42
0.00	0.00	0.00

10

NOV 16 2010

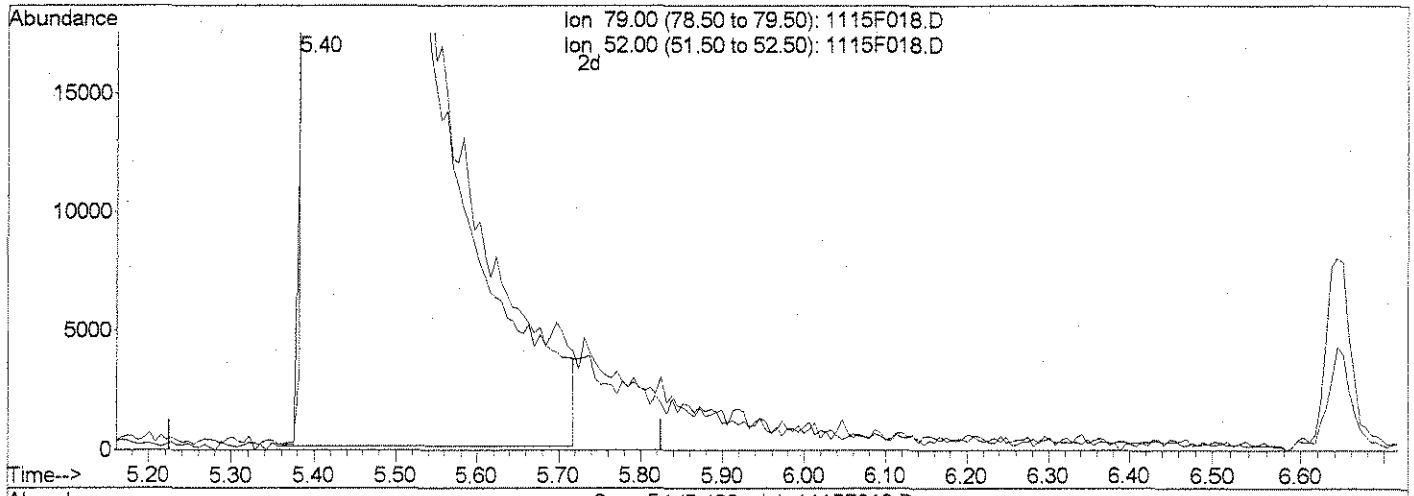
CH 11-17-10

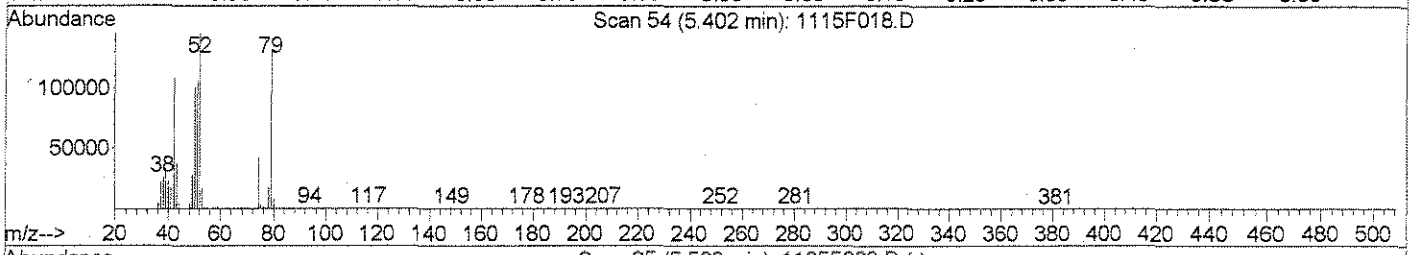
Quantitation Report (Qedit)

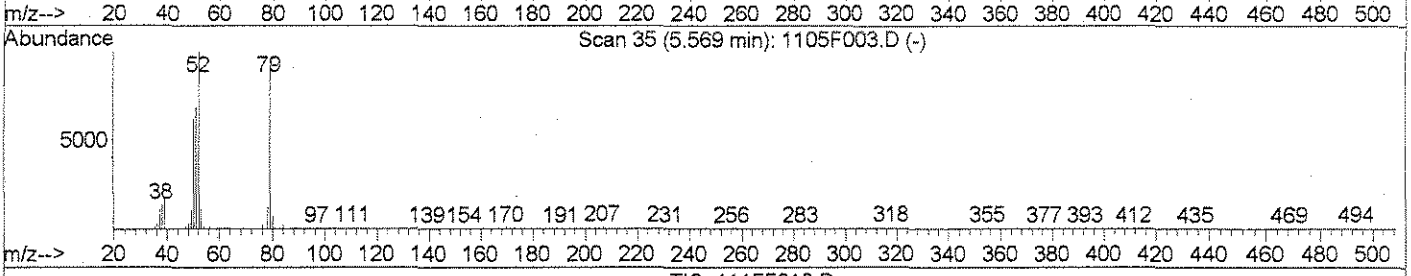
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:45 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F018.D

(3) Pyridine (T)

5.40min 10038.79ng/ml

response 698690

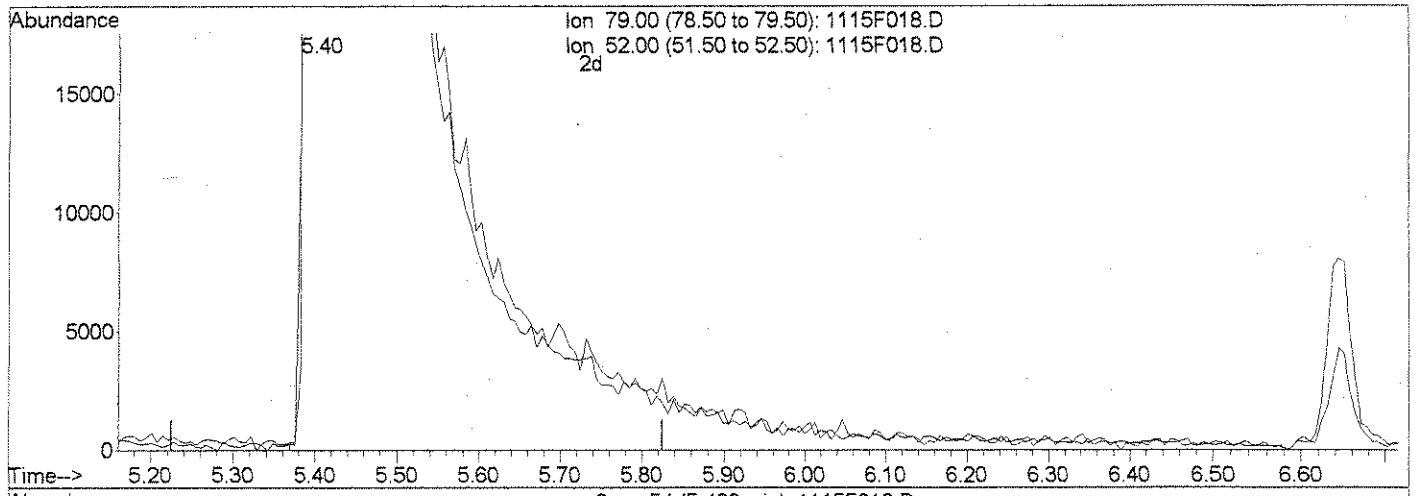
Ion	Exp%	Act%
79.00	100	100
52.00	104.80	110.54
0.00	0.00	0.00
0.00	0.00	0.00

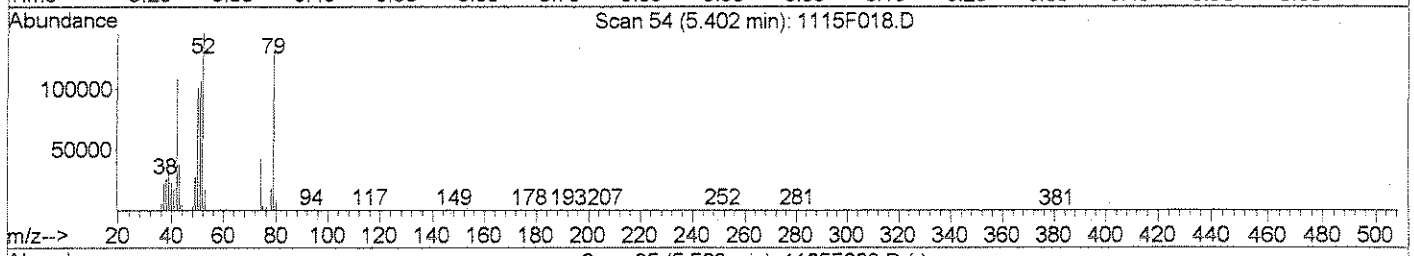
Quantitation Report (Qedit)

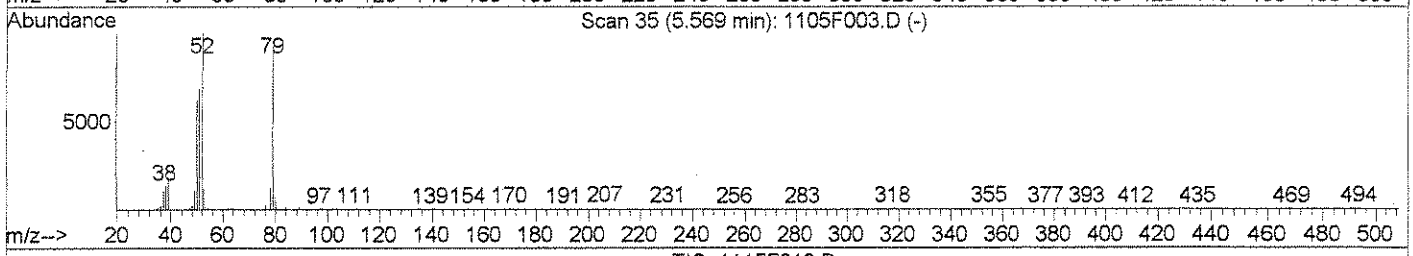
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:45 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F018.D

(3) Pyridine (T)

5.40min 10699.57ng/ml m

response 744680

Ion	Exp%	Act%
79.00	100	100
52.00	104.80	110.58
0.00	0.00	0.00
0.00	0.00	0.00

1C

LB

NOV 16 2010

CH 11.17.10

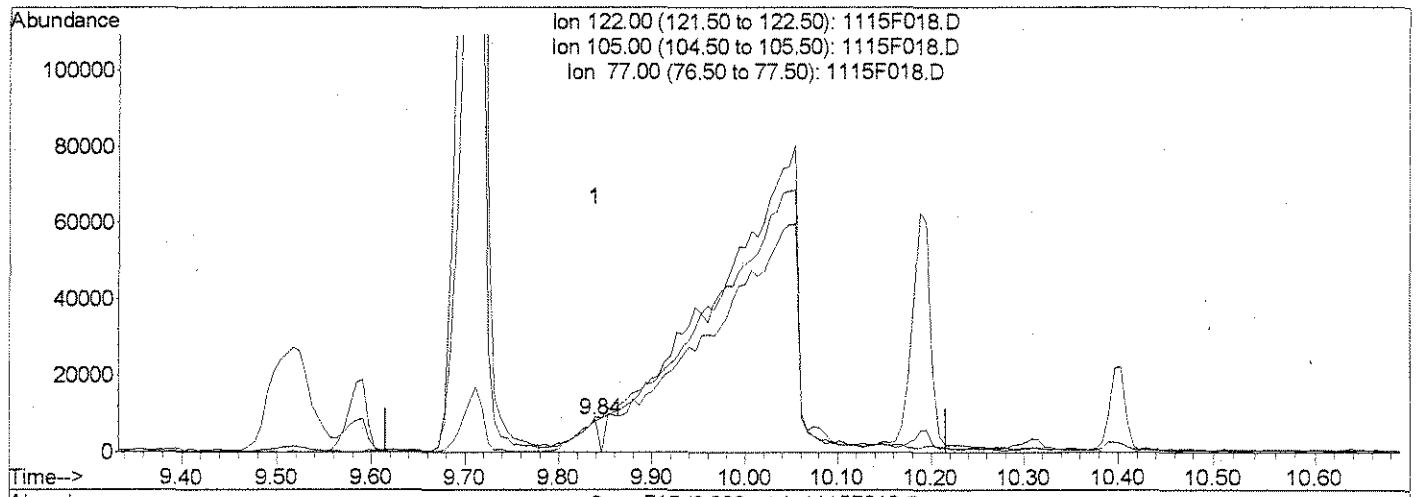
1115F018.D 111510_BNLL.M Tue Nov 16 08:45:50 2010

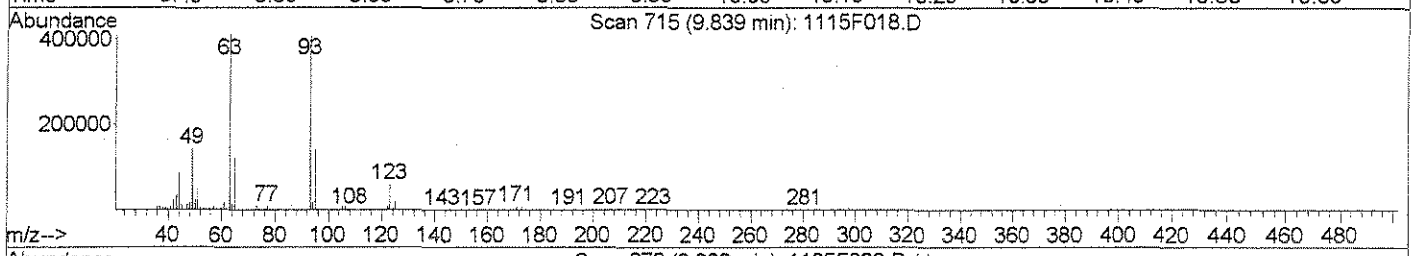
Quantitation Report (Qedit)

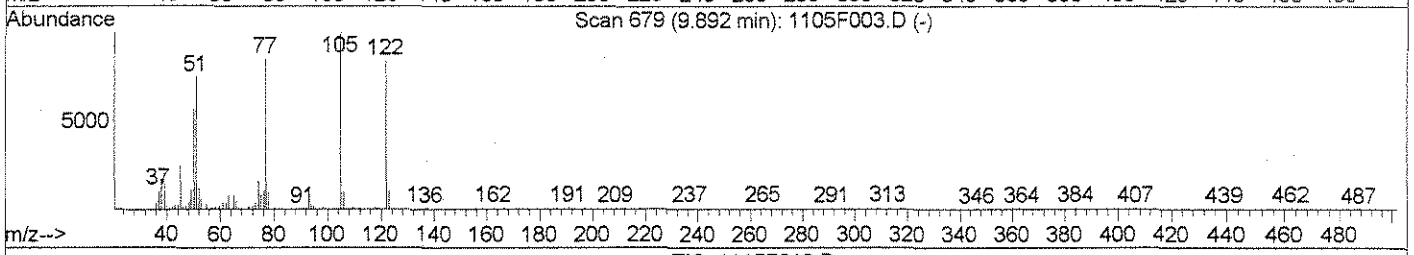
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:45 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F018.D

(28) Benzoic Acid (T)

9.84min 973.53ng/ml

response 14585

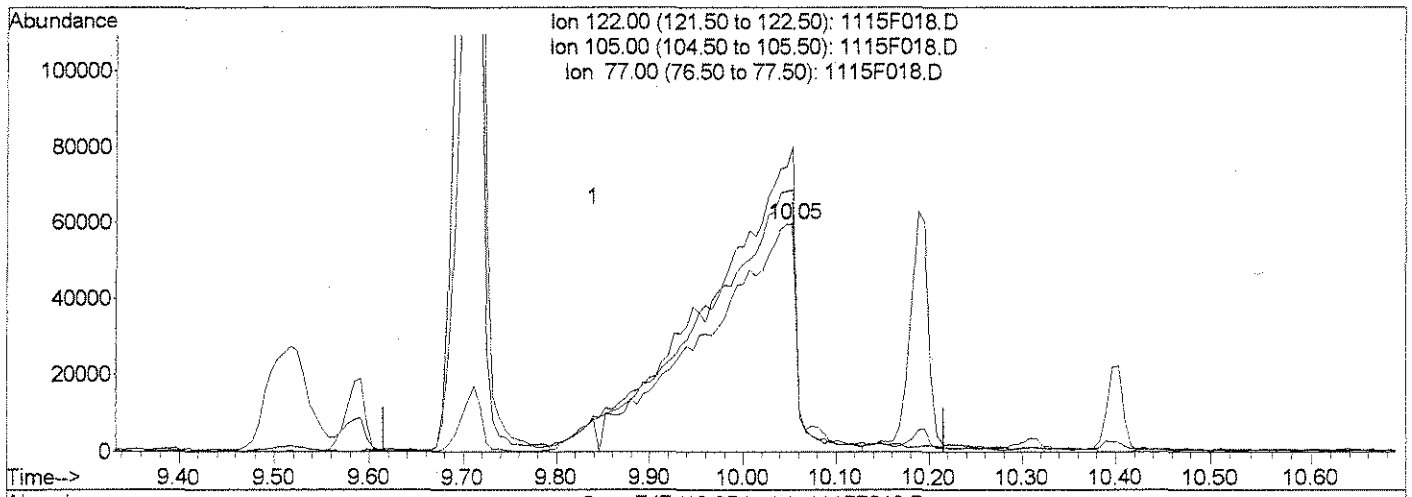
Ion	Exp%	Act%
122.00	100	100
105.00	122.80	106.87
77.00	88.90	80.32
0.00	0.00	0.00

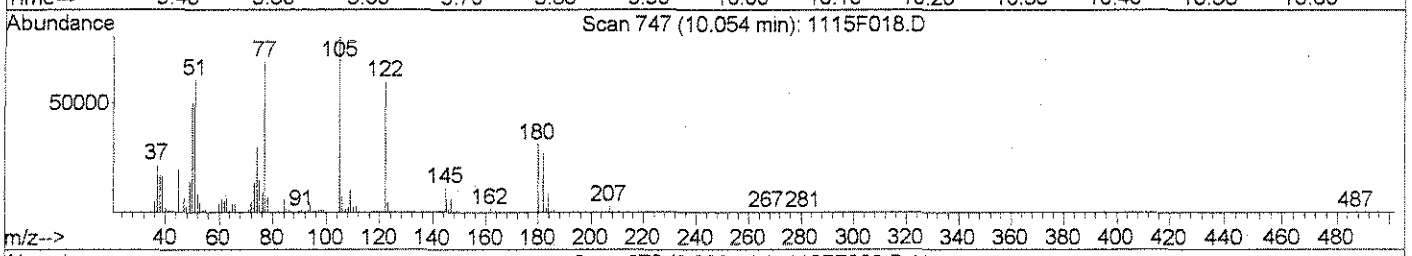
Quantitation Report (Qedit)

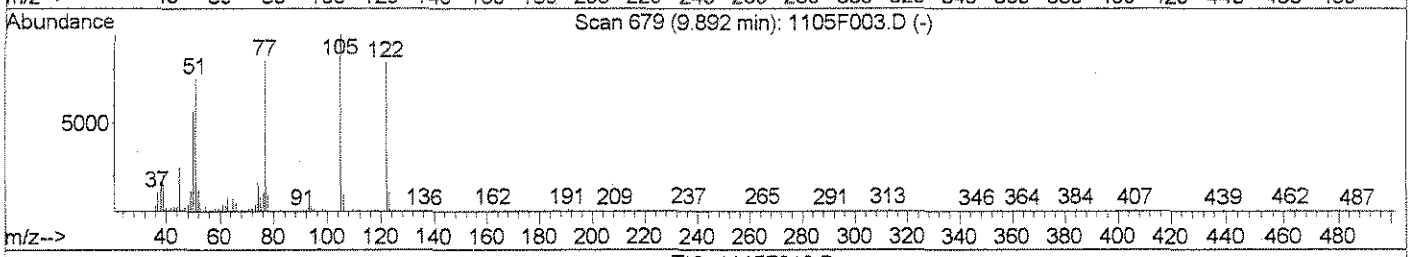
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:46 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Single Level Calibration







TIC: 1115F018.D

(28) Benzoic Acid (T)

10.05min 8181.59ng/ml m

response 420599

Ion	Exp%	Act%
122.00	100	100
105.00	122.80	134.50
77.00	88.90	115.03
0.00	0.00	0.00

1c

LB

NOV 16 2010

CH 11.17.10

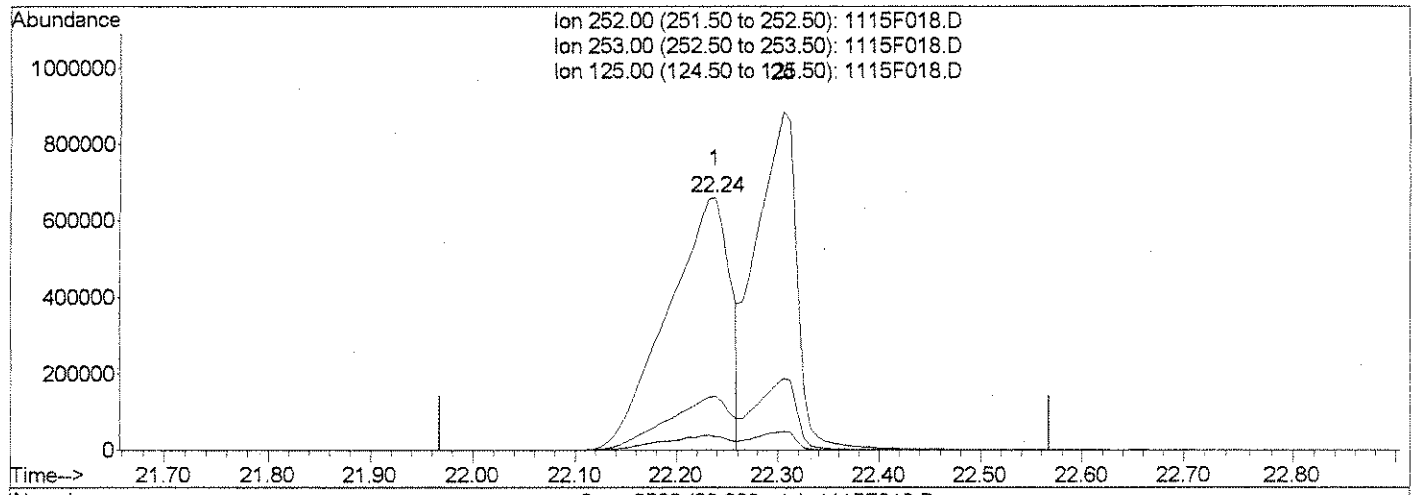
1115F018.D 111510_BNLL.M Tue Nov 16 08:46:11 2010

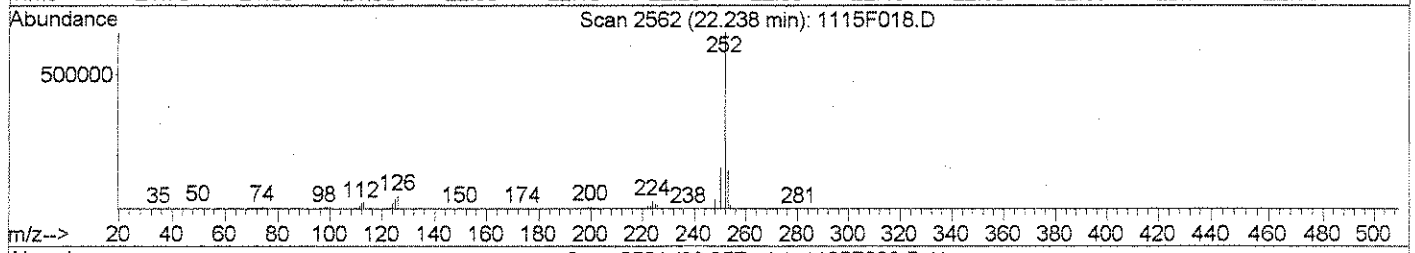
Quantitation Report (Qedit)

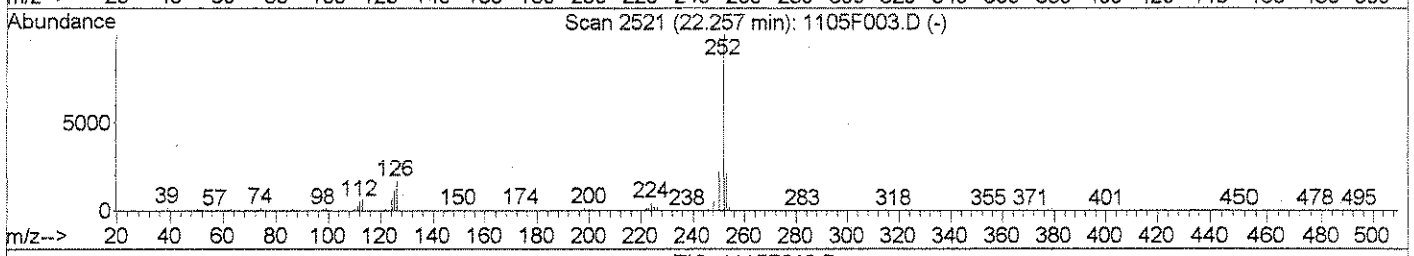
Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:46 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration







TIC: 1115F018.D

(82) Benzo(k)fluoranthene (T)

22.24min 10881.78ng/ml

response 2814667

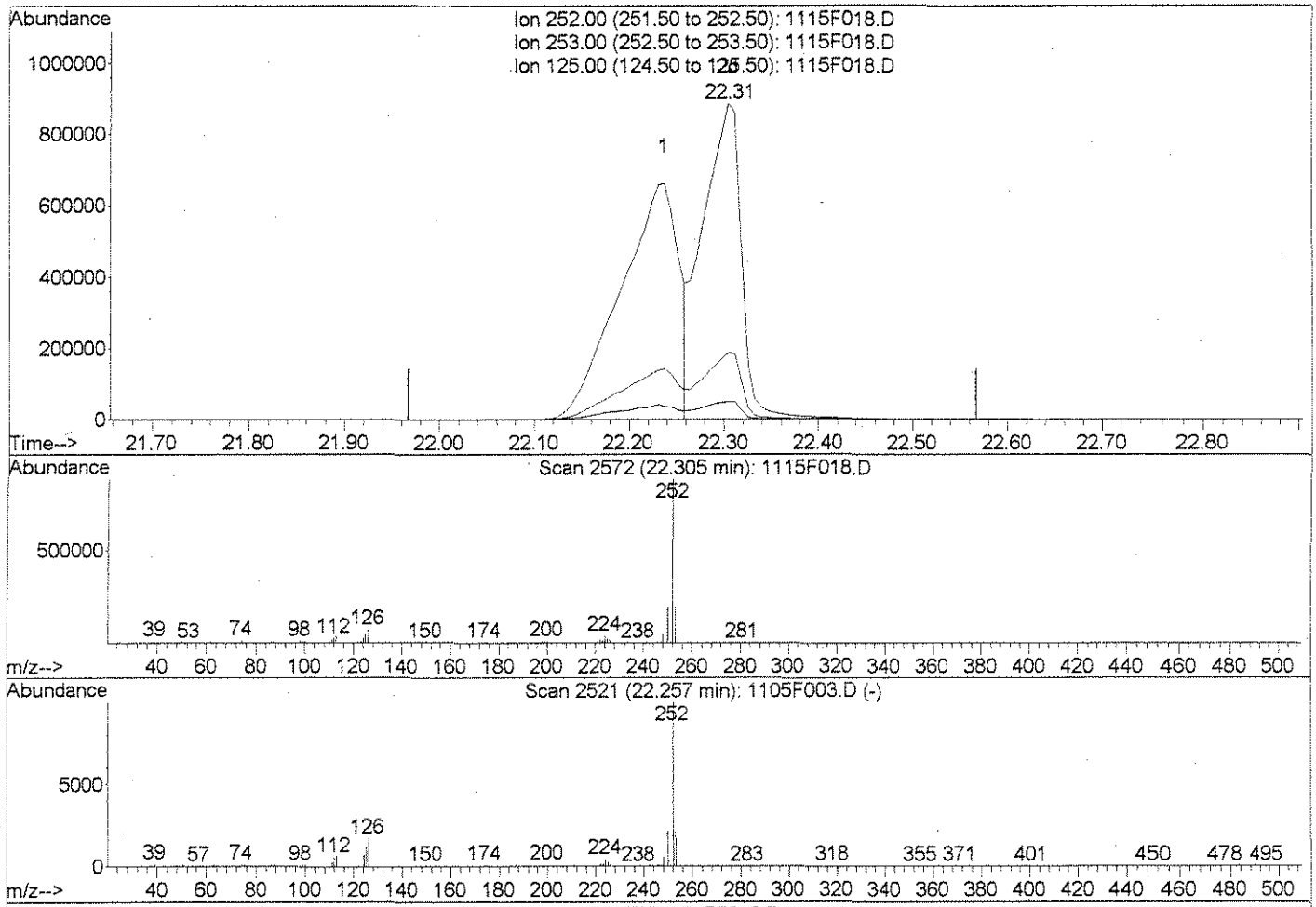
Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.51
125.00	12.00	5.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : J:\MS06\DATA\111510\1115F018.D
Acq On : 15 Nov 2010 10:09 pm
Sample : 10ug/mL ICAL SVO_LL | SVM33-63J
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:46 2010

Vial: 14
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 09 14:21:02 2010
Response via : Multiple Level Calibration



(82) Benzo(k)fluoranthene (T)

22.31min 9561.60ng/ml m

response 2473191

Ion	Exp%	Act%
252.00	100	100
253.00	21.30	21.17
125.00	12.00	5.58
0.00	0.00	0.00

WP

LB

NOV 16 2010

CH 11.17.10

1115F018.D 111510_BNLL.M Tue Nov 16 08:46:47 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F019.D Vial: 15
Acq On : 15 Nov 2010 10:46 pm Operator: KBailey
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:56:16 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	70828	1000.00 ng/ml	0.00
22) Naphthalene-d8	10.14	136	218577	1000.00 ng/ml	0.00
36) Acenaphthene-d10	12.95	164	114509	1000.00 ng/ml	0.00
60) Phenanthrene-d10	15.36	188	225160	1000.00 ng/ml	0.00
70) Chrysene-d12	19.72	240	267819	1000.00 ng/ml	0.00
79) Perylene-d12	23.15	264	232891	1000.00 ng/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	6.65	112	226346	3231.55 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 86.17%		
6) Phenol-d6	7.81	99	250792	3050.90 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 81.36%		
20) Nitrobenzene-d5	9.07	82	295633	3169.08 ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 126.76%		
40) 2-Fluorobiphenyl	11.90	172	581953	3091.21 ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 123.65%		
61) 2,4,6-Tribromophenol	14.25	330	127460	3241.45 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 86.44%		
73) Terphenyl-d14	18.02	244	661397	3130.00 ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 125.20%		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.40	42	326956m	2988.53 ng/ml	
3) Pyridine	5.45	79	231487m	3108.75 ng/ml	
5) Bis(2-chloroethyl) Ether	7.94	93	191064	2894.09 ng/ml	99
7) Phenol	7.83	94	285502	3152.26 ng/ml	98
8) Aniline	7.84	93	310791	3312.35 ng/ml	89
9) 2-Chlorophenol	7.99	128	261074	3168.54 ng/ml	99
10) 1,3-Dichlorobenzene	8.20	146	287564	2771.95 ng/ml	98
11) 1,4-Dichlorobenzene	8.30	146	297028	2821.67 ng/ml	96
12) 1,2-Dichlorobenzene	8.51	146	273280	2817.72 ng/ml	97
13) Benzyl Alcohol	8.49	108	142428	3401.03 ng/ml	92
14) Bis(2-chloroisopropyl) Eth	8.69	45	396225	2833.38 ng/ml	98
15) 2-Methylphenol	8.66	107	181539	3005.57 ng/ml	98
17) Hexachloroethane	8.98	117	127773	3079.46 ng/ml	88
18) N-Nitrosodi-n-propylamine	8.88	70	167526	2810.13 ng/ml	98
19) 4-Methylphenol	8.90	107	259828	3299.03 ng/ml	99
21) Nitrobenzene	9.10	77	272672	2933.54 ng/ml	98
23) Isophorone	9.47	82	435366	2852.76 ng/ml	100
24) 2-Nitrophenol	9.57	139	149255	3218.71 ng/ml	95
25) 2,4-Dimethylphenol	9.69	122	181999	2816.73 ng/ml	99
26) Bis(2-chloroethoxy)methane	9.83	93	219205	2987.57 ng/ml	99

(#) = qualifier out of range (m) = manual integration
1115F019.D 111510_BNLL.M Tue Nov 16 09:05:52 2010 NOV 16 2010 Page 1

CH 11.17.10

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F019.D Vial: 15
Acq On : 15 Nov 2010 10:46 pm Operator: KBailey
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:56:16 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) 2,4-Dichlorophenol	9.95	162	227208	3294.12 ng/ml	98
28) Benzoic Acid	9.91	122	107087	3248.07 ng/ml	99
29) 1,2,4-Trichlorobenzene	10.07	180	266535	2882.58 ng/ml	97
30) Naphthalene	10.18	128	630814	2897.94 ng/ml	99
31) 4-Chloroaniline	10.30	127	293781	3220.86 ng/ml	99
32) Hexachlorobutadiene	10.39	225	210605	2885.24 ng/ml	99
33) 4-Chloro-3-methylphenol	11.11	107	231067	3294.31 ng/ml	95
34) 2-Methylnaphthalene	11.29	141	399343	3235.21 ng/ml	99
35) 1-Methylnaphthalene	11.43	141	383261	3008.30 ng/ml	99
37) Hexachlorocyclopentadiene	11.54	237	131184	1621.40 ng/ml	97
38) 2,4,6-Trichlorophenol	11.76	196	191124	3192.73 ng/ml	97
39) 2,4,5-Trichlorophenol	11.81	196	218673	3388.63 ng/ml	98
41) 2-Chloronaphthalene	12.06	127	181727	2911.15 ng/ml	98
42) 2-Nitroaniline	12.26	65	178611	3296.02 ng/ml	98
43) Acenaphthylene	12.72	152	533590	2406.72 ng/ml	100
44) Dimethyl Phthalate	12.60	163	527394	2965.17 ng/ml	100
45) 2,6-Dinitrotoluene	12.68	165	134633	3231.63 ng/ml	98
46) Acenaphthene	13.00	154	374119	2954.12 ng/ml	100
47) 3-Nitroaniline	12.94	138	133023	3279.47 ng/ml	99
48) 2,4-Dinitrophenol	13.11	184	78847	3053.69 ng/ml	94
49) Dibenzofuran	13.29	168	656338	3154.68 ng/ml	100
50) 4-Nitrophenol	13.28	109	119059	3180.52 ng/ml#	82
51) 2,4-Dinitrotoluene	13.33	165	177188	2976.29 ng/ml	92
52) 2,3,4,6-Tetrachlorophenol	13.51	232	184466	3017.57 ng/ml	95
53) Fluorene	13.85	166	489755	3016.73 ng/ml	98
54) 4-Chlorophenyl Phenyl Ethe	13.88	204	289809	2922.21 ng/ml	97
55) Diethyl Phthalate	13.76	149	533411	2827.42 ng/ml	100
56) 4-Nitroaniline	13.94	138	137185	3336.66 ng/ml	97
57) 2-Methyl-4,6-dinitrophenol	13.98	198	130573	3181.16 ng/ml	87
58) N-Nitrosodiphenylamine	14.09	169	332685	2837.95 ng/ml	98
59) Azobenzene	14.14	77	530794	2942.19 ng/ml	97
62) 4-Bromophenyl Phenyl Ether	14.68	248	198031	3014.73 ng/ml	96
63) Hexachlorobenzene	14.74	284	212931	2964.30 ng/ml	98
64) Pentachlorophenol	15.08	266	145391	3059.33 ng/ml	98
65) Phenanthrene	15.40	178	677230	3000.68 ng/ml	99
66) Anthracene	15.48	178	699467	2982.60 ng/ml	100
67) Carbazole	15.78	167	655092	3195.71 ng/ml	99
68) Di-n-butyl Phthalate	16.43	149	831906	2905.48 ng/ml	99
69) Fluoranthene	17.33	202	843629	2999.43 ng/ml	99
71) Benzidine	17.62	184	462636	3147.17 ng/ml	98
72) Pyrene	17.69	202	869157	3011.51 ng/ml	98

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

NOV 16 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F019.D Vial: 15
Acq On : 15 Nov 2010 10:46 pm Operator: KBailey
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:56:16 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
74)	Butyl Benzyl Phthalate	18.86	149	371571	2947.16 ng/ml	96
75)	3,3'-Dichlorobenzidine	19.72	252	365730	3198.84 ng/ml	100
76)	Benz(a)anthracene	19.70	228	805266	2907.05 ng/ml	98
77)	Chrysene	19.77	228	822140	2976.66 ng/ml	100
78)	Bis(2-ethylhexyl) Phthalat	19.94	149	497440	2975.03 ng/ml	99
80)	Di-n-octyl Phthalate	21.45	149	834845	3172.82 ng/ml	98
81)	Benzo(b)fluoranthene	22.17	252	722227	2888.86 ng/ml	98
82)	Benzo(k)fluoranthene	22.25	252	790341	2980.00 ng/ml	100
83)	Benzo(a)pyrene	23.01	252	726962	3473.02 ng/ml	98
84)	Indeno(1,2,3-cd)pyrene	25.55	276	585518	3104.20 ng/ml	98
85)	Dibenz(a,h)anthracene	25.63	278	618661	3123.35 ng/ml	98
86)	Benzo(g,h,i)perylene	26.05	276	622987	2998.64 ng/ml	98

LB
NOV 16 2010

CH 11.17.10

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

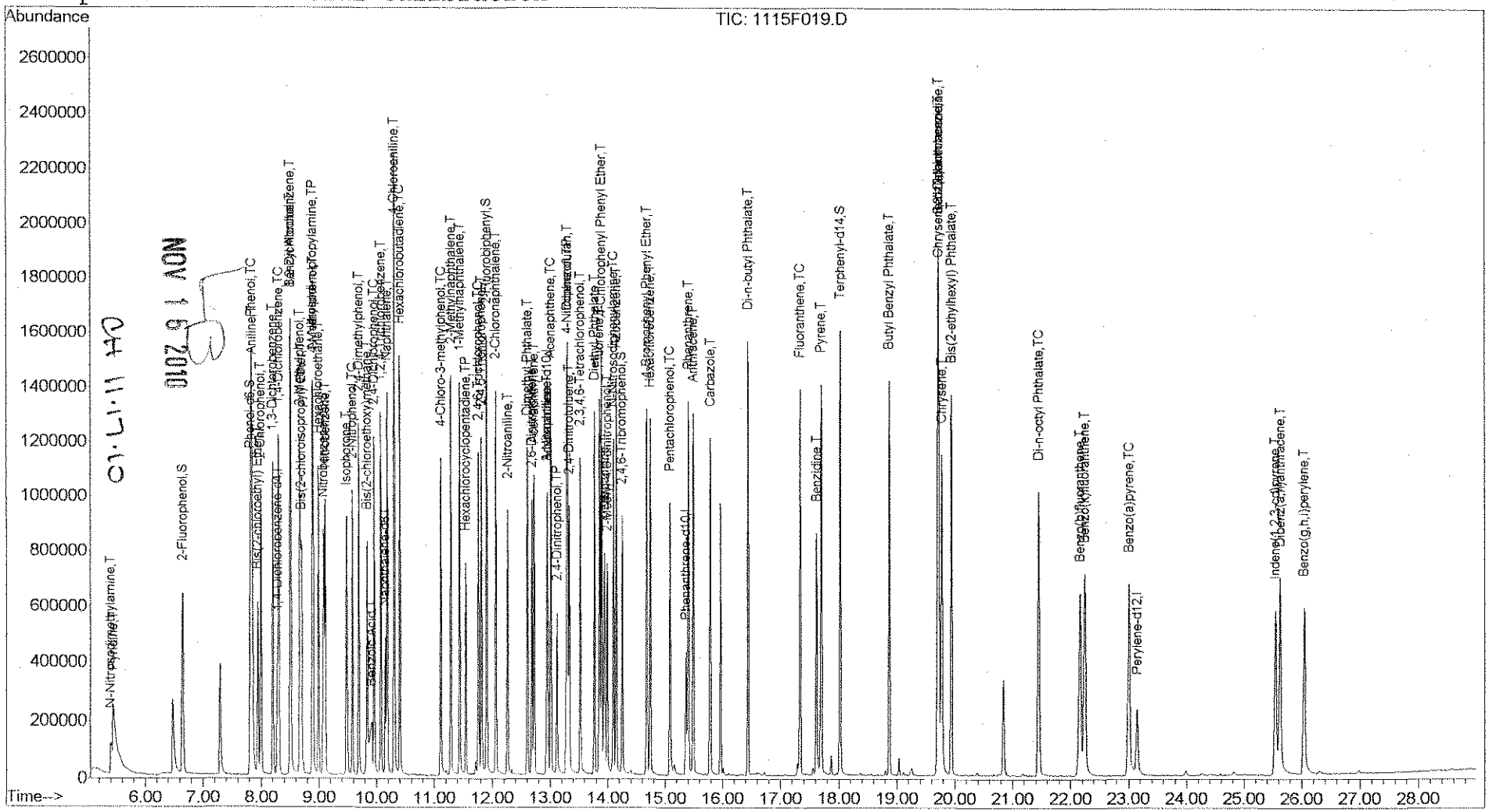
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F019.D
Acq On : 15 Nov 2010 10:46 pm
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:57 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



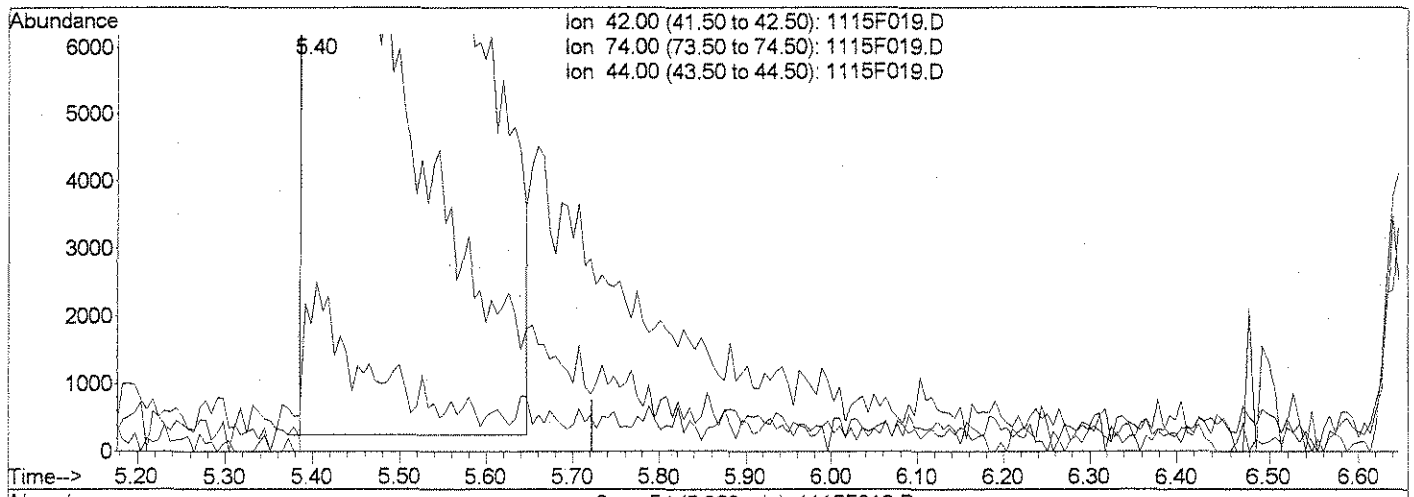
2466

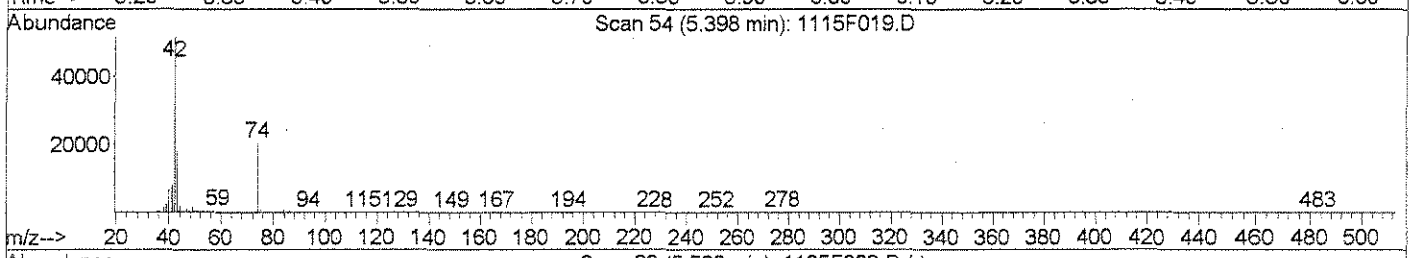
Quantitation Report (Qedit)

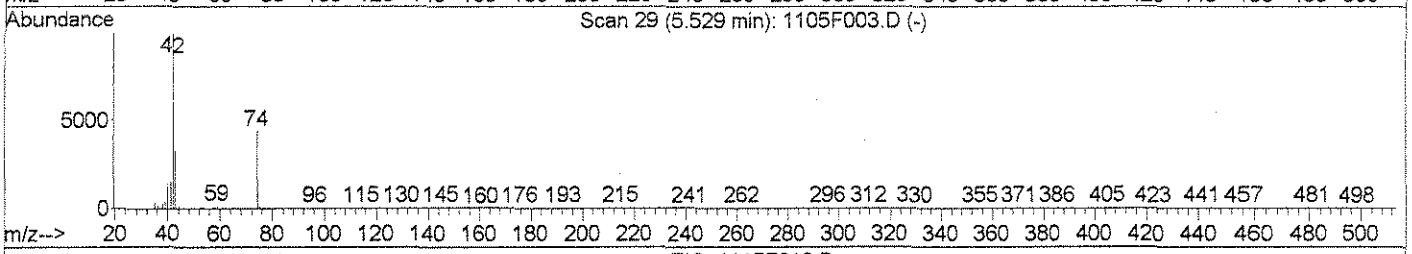
Data File : J:\MS06\DATA\111510\1115F019.D
Acq On : 15 Nov 2010 10:46 pm
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Single Level Calibration







TIC: 1115F019.D

(2) N-Nitrosodimethylamine (T)

5.40min 2426.04ng/ml

response 265418

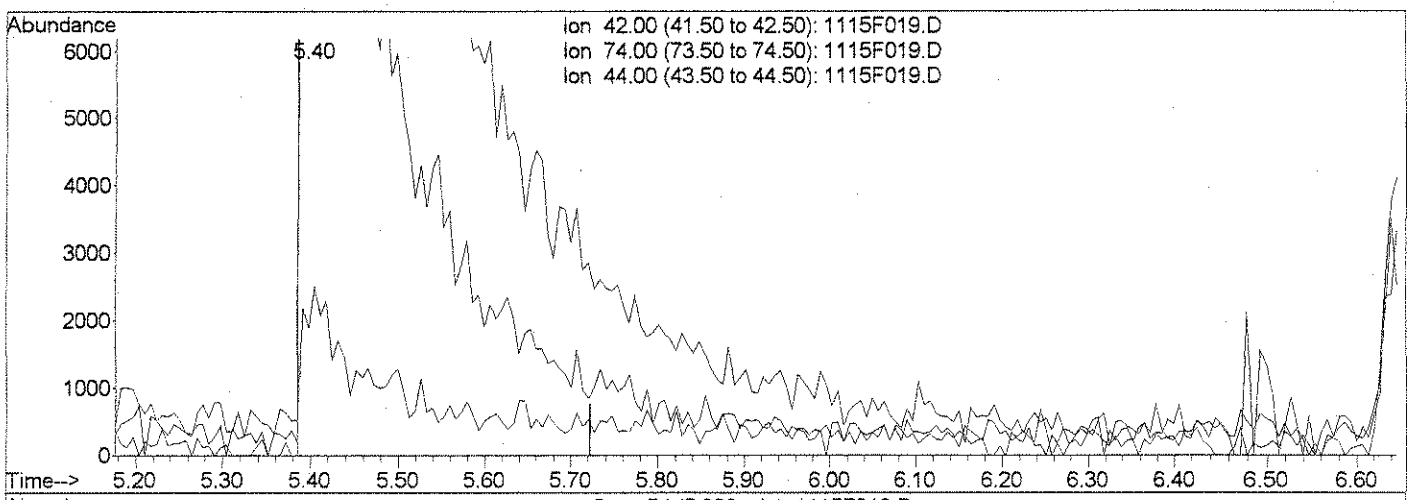
Ion	Exp%	Act%
42.00	100	100
74.00	40.50	39.32
44.00	4.40	2.41
0.00	0.00	0.00

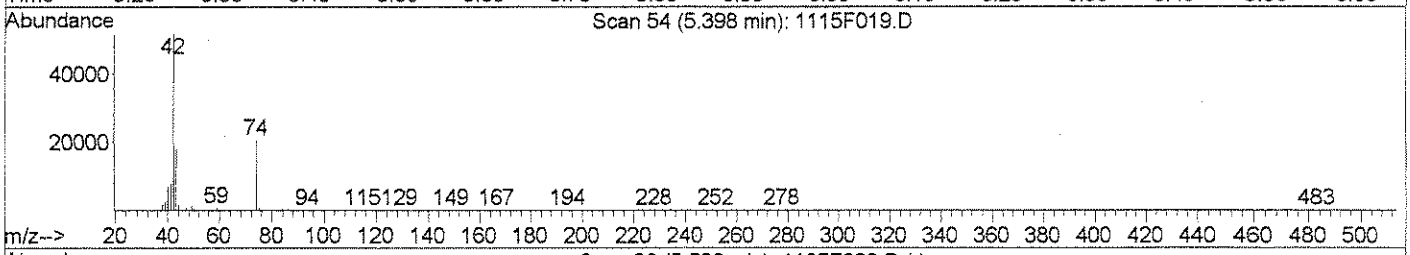
Quantitation Report (Qedit)

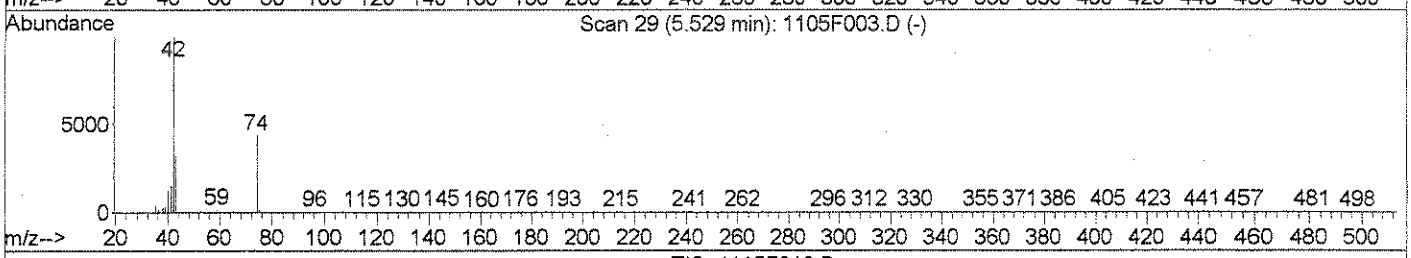
Data File : J:\MS06\DATA\111510\1115F019.D
Acq On : 15 Nov 2010 10:46 pm
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Single Level Calibration







TIC: 1115F019.D

(2) N-Nitrosodimethylamine (T)

5.40min 2988.53ng/ml m

response 326956

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	39.52
44.00	4.40	3.62
0.00	0.00	0.00

1c

NOV 16 2010

CH 11.17.10

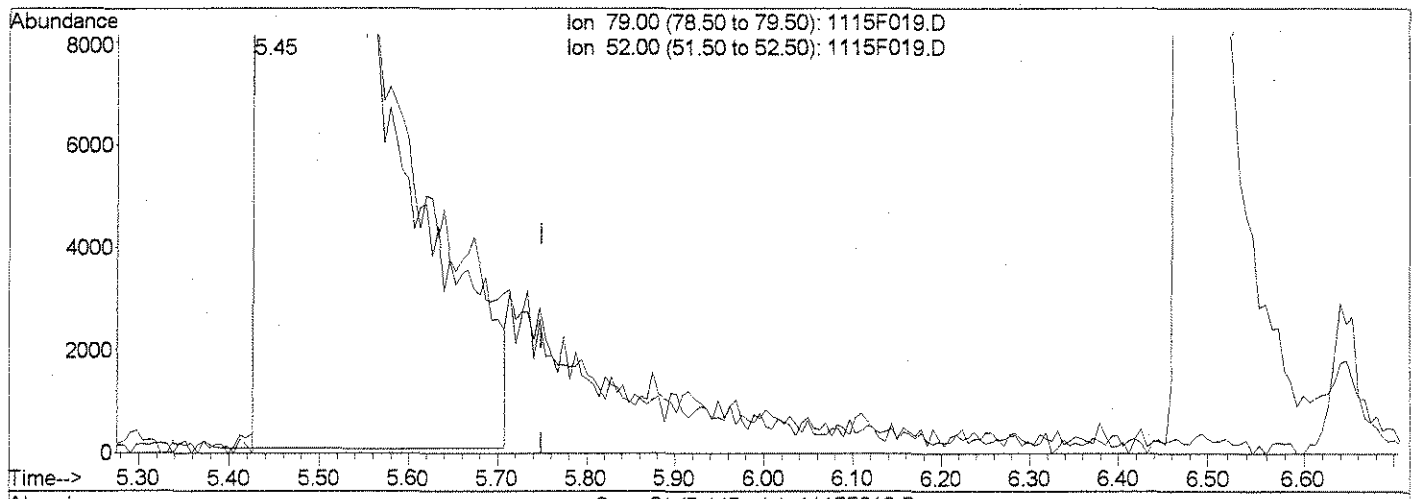
1115F019.D 111510_BNLL.M Tue Nov 16 08:56:41 2010

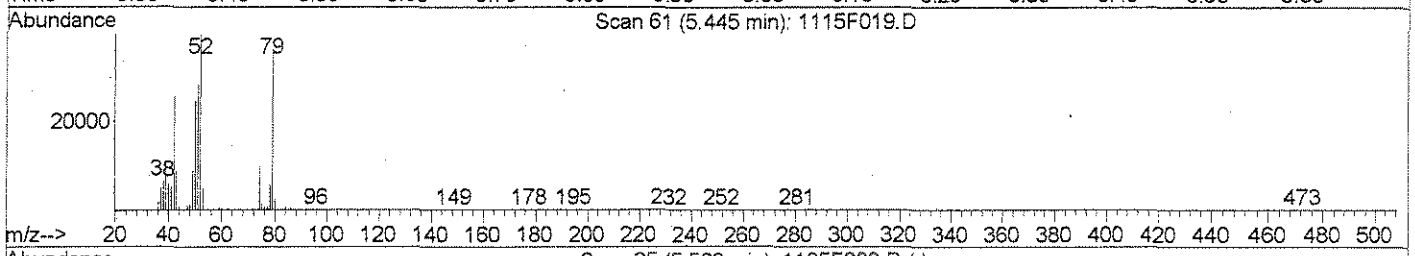
Quantitation Report (Qedit)

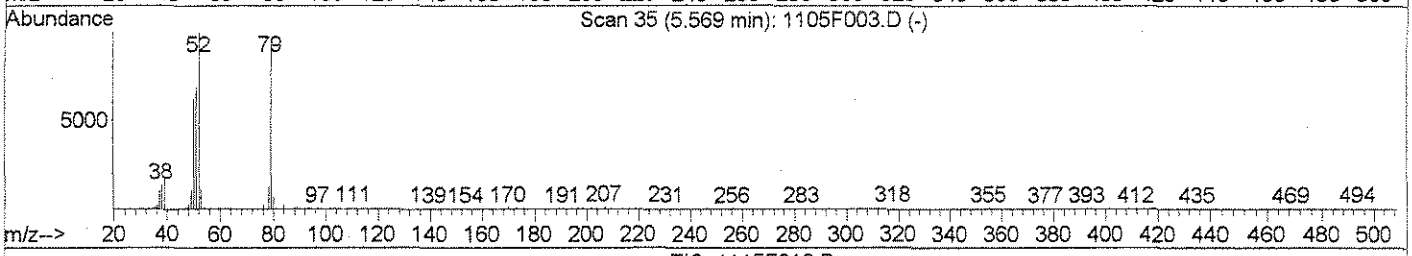
Data File : J:\MS06\DATA\111510\1115F019.D
Acq On : 15 Nov 2010 10:46 pm
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Single Level Calibration







TIC: 1115F019.D

(3) Pyridine (T)

5.45min 2677.40ng/ml

response 199367

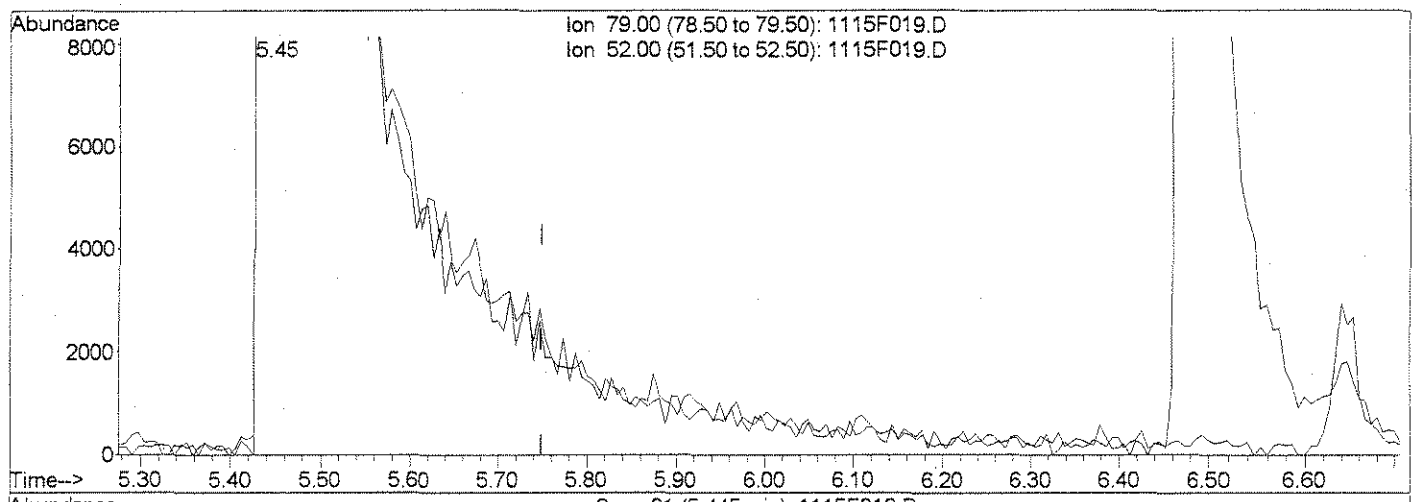
Ion	Exp%	Act%
79.00	100	100
52.00	97.10	109.26
0.00	0.00	0.00
0.00	0.00	0.00

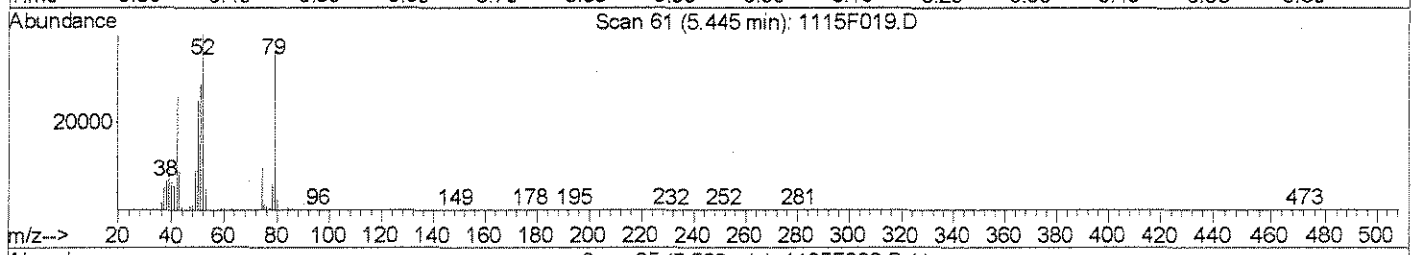
Quantitation Report (Qedit)

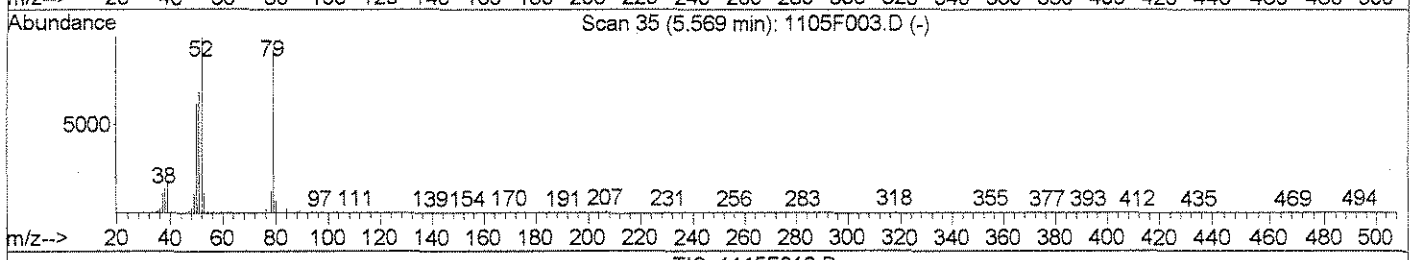
Data File : J:\MS06\DATA\111510\1115F019.D
Acq On : 15 Nov 2010 10:46 pm
Sample : 3.0ug/mL ICV SVO_LL | SVM33-50C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:56 2010

Vial: 15
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Single Level Calibration







TIC: 1115F019.D

(3) Pyridine (T)

5.45min 3108.75ng/ml m

response 231487

Ion	Exp%	Act%
79.00	100	100
52.00	97.10	109.45
0.00	0.00	0.00
0.00	0.00	0.00

10

NOV 16 2010

CH 11·17·10

1115F019.D 111510_BNLL.M Tue Nov 16 08:56:52 2010

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F021.D Vial: 17
Acq On : 16 Nov 2010 12:01 am Operator: KBailey
Sample : 3.0ug/mL CLP ICV SVO_LL | SVM33-27C Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:58:43 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	73462	1000.00 ng/ml	0.00
22) Naphthalene-d8	10.14	136	224684	1000.00 ng/ml	0.00
36) Acenaphthene-d10	12.95	164	117674	1000.00 ng/ml	0.00
60) Phenanthrene-d10	15.35	188	233089	1000.00 ng/ml	0.00
70) Chrysene-d12	19.71	240	276071	1000.00 ng/ml	-0.01
79) Perylene-d12	23.14	264	247619	1000.00 ng/ml	0.00
System Monitoring Compounds					
4) 2-Fluorophenol	6.64	112	236438	3254.60 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 110		Recovery = 86.79%		
6) Phenol-d6	7.81	99	260164	3051.43 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 81.37%		
20) Nitrobenzene-d5	9.07	82	308715	3190.66 ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 127.63%		
40) 2-Fluorobiphenyl	11.89	172	607997	3142.68 ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 125.71%		
61) 2,4,6-Tribromophenol	14.24	330	133209	3272.41 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 87.26%		
73) Terphenyl-d14	18.02	244	683034	3135.77 ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 125.43%		
Target Compounds					Qvalue
16) Acetophenone	8.86	105	358705	3488.44 ng/ml	99

LB
NOV 16 2010

CH 11.17.10

(#) = qualifier out of range (m) = manual integration
1115F021.D 111510_BNLL.M Tue Nov 16 09:05:53 2010 Page 1

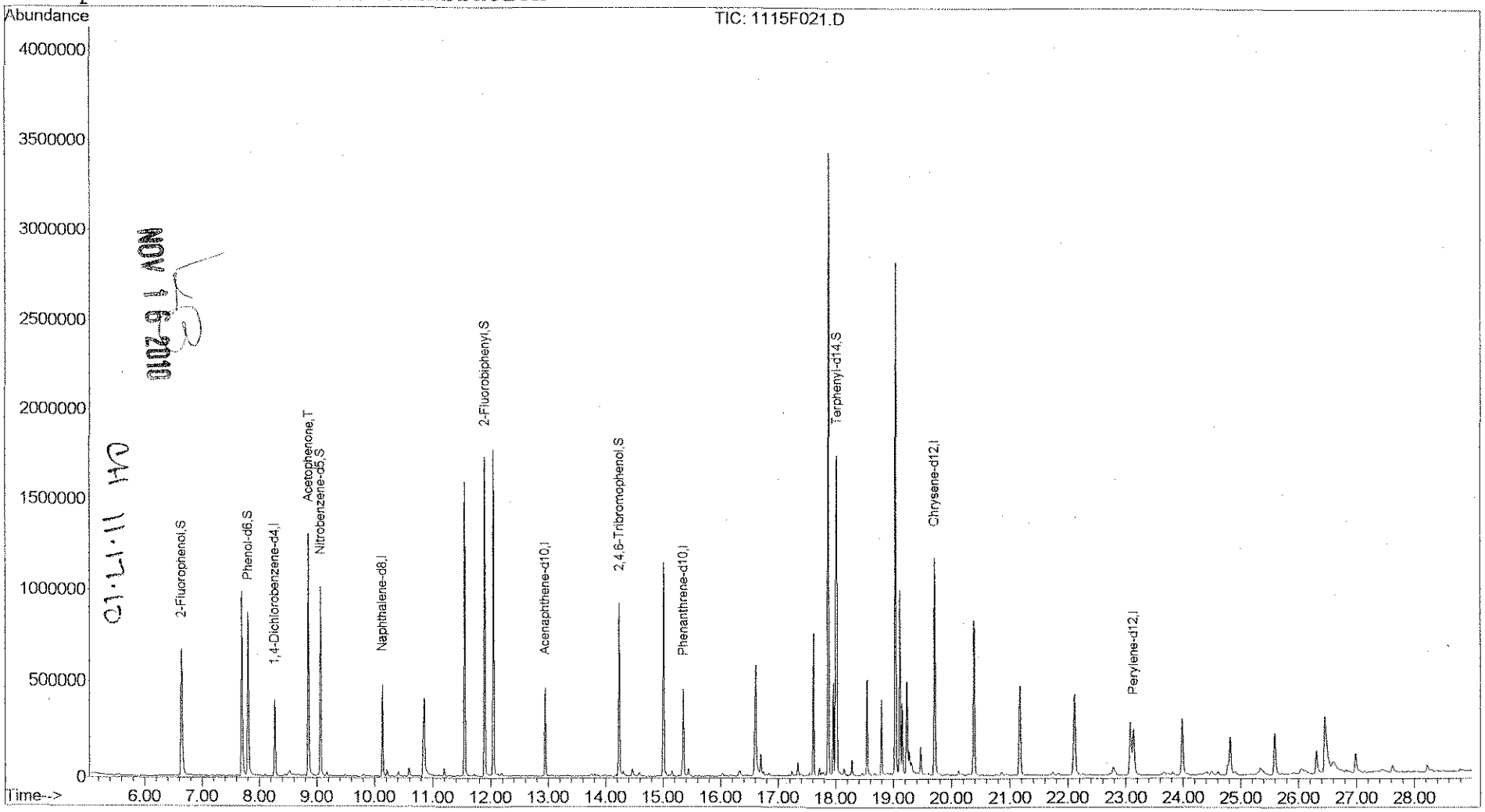
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F021.D
Acq On : 16 Nov 2010 12:01 am
Sample : 3.0ug/mL CLP ICV SVO_LL | SVM33-27C
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 16 9:03 2010

Vial: 17
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



2472

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\111510\1115F022.D Vial: 18
Acq On : 16 Nov 2010 12:38 am Operator: KBailey
Sample : 5.0ug/mL HCCPD ICV SVO_LL | SVM33-54D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 08:57:56 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.27	152	64879	1000.00 ng/ml	0.00
22) Naphthalene-d8	10.14	136	194486	1000.00 ng/ml	-0.01
36) Acenaphthene-d10	12.94	164	103420	1000.00 ng/ml	0.00
60) Phenanthrene-d10	15.35	188	205243	1000.00 ng/ml	0.00
70) Chrysene-d12	19.70	240	232764	1000.00 ng/ml	-0.02
79) Perylene-d12	23.13	264	211091	1000.00 ng/ml	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0	0.00 ng/ml	
Spiked Amount 3750.000	Range 38 - 110		Recovery =	0.00%#	
6) Phenol-d6	0.00	99	0	0.00 ng/ml	
Spiked Amount 3750.000	Range 43 - 128		Recovery =	0.00%#	
20) Nitrobenzene-d5	0.00	82	0	0.00 ng/ml	
Spiked Amount 2500.000	Range 30 - 139		Recovery =	0.00%#	
40) 2-Fluorobiphenyl	0.00	172	0	0.00 ng/ml	
Spiked Amount 2500.000	Range 37 - 126		Recovery =	0.00%#	
61) 2,4,6-Tribromophenol	0.00	330	0	0.00 ng/ml	
Spiked Amount 3750.000	Range 38 - 157		Recovery =	0.00%#	
73) Terphenyl-d14	0.00	244	0	0.00 ng/ml	
Spiked Amount 2500.000	Range 54 - 158		Recovery =	0.00%#	

Target Compounds					Qvalue
37) Hexachlorocyclopentadiene	11.54	237	372053	4980.63 ng/ml	100

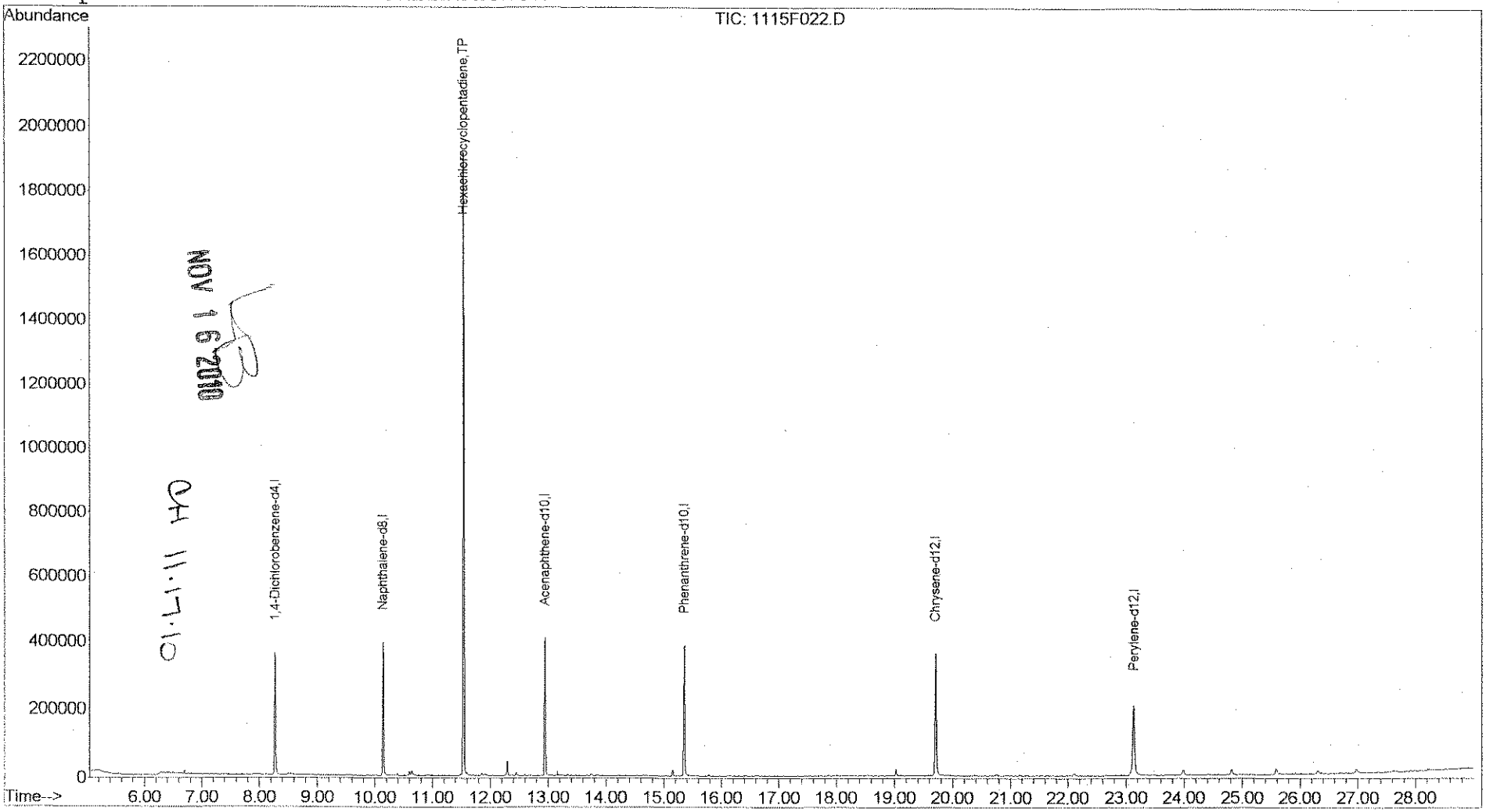
LB
NOV 16 2010

CH 11.17.10

(#) = qualifier out of range (m) = manual integration
1115F022.D 111510_BNLL.M Tue Nov 16 09:05:54 2010 Page 1

Data File : J:\MS06\DATA\111510\1115F022.D Vial: 18
Acq On : 16 Nov 2010 12:38 am Operator: KBailey
Sample : 5.0ug/mL HCCPD ICV SVO_LL | SVM33-54D Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 16 8:58 2010 Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Tue Nov 16 08:56:12 2010
Response via : Initial Calibration



NOV 16 2010

OH 11.17.10

2474

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/29/2010

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration Date: 11/15/2010
Calibration ID: CAL10053
Analysis Lot: KWG1013042
Units: ng/ml

File ID: J:\MS06\DATA\112910\1129F004.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D		%Drift	Criteria	Curve Fit
Benzidine	3000	2400	0.01	0.549	0.432	-21		NA	± 30 %	AverageRF
N-Nitrosodimethylamine	3000	4300	0.01	1.54	2.21	43	*	NA	± 30 %	AverageRF
Bis(2-chloroethyl) Ether	3000	2500	0.01	0.932	0.784	-16		NA	± 30 %	AverageRF
‡ Phenol	3000	2800	0.01	1.28	1.21	-5		NA	± 20 %	AverageRF
2-Chlorophenol	3000	3000	0.01	1.16	1.16	0		NA	± 30 %	AverageRF
Bis(2-chloroisopropyl) Ether	3000	2700	0.01	1.97	1.80	-9		NA	± 30 %	AverageRF
Hexachloroethane	3000	3300	0.01	0.586	0.639	9		NA	± 30 %	AverageRF
† N-Nitrosodi-n-propylamine	3000	3100	0.05	0.842	0.879	4		NA	± 30 %	AverageRF
Nitrobenzene	3000	3100	0.01	1.31	1.36	4		NA	± 30 %	AverageRF
Isophorone	3000	3100	0.01	0.698	0.711	2		NA	± 30 %	AverageRF
‡ 2-Nitrophenol	3000	3200	0.01	0.212	0.229	8		NA	± 20 %	AverageRF
2,4-Dimethylphenol	3000	2900	0.01	0.296	0.286	-3		NA	± 30 %	AverageRF
Bis(2-chloroethoxy)methane	3000	2700	0.01	0.336	0.307	-9		NA	± 30 %	AverageRF
‡ 2,4-Dichlorophenol	3000	3300	0.01	0.316	0.351	11		NA	± 20 %	AverageRF
Naphthalene	3000	2900	0.01	0.996	0.976	-2		NA	± 30 %	AverageRF
‡ Hexachlorobutadiene	3000	3300	0.01	0.334	0.370	11		NA	± 20 %	AverageRF
‡ 4-Chloro-3-methylphenol	3000	3100	0.01	0.321	0.329	3		NA	± 20 %	AverageRF
† Hexachlorocyclopentadiene	3000	2700	0.05	0.660	0.638	NA		-10	± 30 %	Quadratic(0,
‡ 2,4,6-Trichlorophenol	3000	3300	0.01	0.523	0.582	11		NA	± 20 %	AverageRF
2-Chloronaphthalene	3000	3400	0.01	0.545	0.614	13		NA	± 30 %	AverageRF
Acenaphthylene	3000	3100	0.01	1.94	2.03	5		NA	± 30 %	AverageRF
Dimethyl Phthalate	3000	3200	0.01	1.55	1.68	8		NA	± 30 %	AverageRF
2,6-Dinitrotoluene	3000	3300	0.01	0.364	0.404	11		NA	± 30 %	AverageRF
‡ Acenaphthene	3000	3100	0.01	1.11	1.14	3		NA	± 20 %	AverageRF
† 2,4-Dinitrophenol	3000	2600	0.05	0.202	0.196	NA		-12	± 30 %	Quadratic(0,
† 4-Nitrophenol	3000	3500	0.05	0.327	0.377	15		NA	± 30 %	AverageRF
2,4-Dinitrotoluene	3000	3300	0.01	0.520	0.573	10		NA	± 30 %	AverageRF
Fluorene	3000	3200	0.01	1.42	1.50	6		NA	± 30 %	AverageRF
4-Chlorophenyl Phenyl Ether	3000	3200	0.01	0.866	0.930	7		NA	± 30 %	AverageRF
Diethyl Phthalate	3000	3100	0.01	1.65	1.70	3		NA	± 30 %	AverageRF
2-Methyl-4,6-dinitrophenol	3000	3000	0.01	0.358	0.359	0		NA	± 30 %	AverageRF
‡ N-Nitrosodiphenylamine	3000	3200	0.01	1.02	1.09	7		NA	± 20 %	AverageRF
Azobenzene	3000	3300	0.01	1.58	1.73	10		NA	± 30 %	AverageRF
4-Bromophenyl Phenyl Ether	3000	3200	0.01	0.292	0.311	7		NA	± 30 %	AverageRF
Hexachlorobenzene	3000	3200	0.01	0.319	0.344	8		NA	± 30 %	AverageRF
‡ Pentachlorophenol	3000	2600	0.01	0.195	0.181	NA		-14	± 20 %	Quadratic(0,
Phenanthrene	3000	3000	0.01	1.00	0.991	-1		NA	± 30 %	AverageRF
Anthracene	3000	3000	0.01	1.04	1.05	1		NA	± 30 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914
Date Analyzed: 11/29/2010

Continuing Calibration Verification Summary
Semi-Volatile Organic Compounds by GC/MS

Calibration Type: Internal Standard
Analysis Method: 8270C

Calibration Date: 11/15/2010
Calibration ID: CAL10053
Analysis Lot: KWG1013042
Units: ng/ml

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Di-n-butyl Phthalate	3000	3100	0.01	1.27	1.32	3	NA	± 30 %	AverageRF
‡ Fluoranthene	3000	3100	0.01	1.25	1.29	4	NA	± 20 %	AverageRF
Pyrene	3000	2800	0.01	1.08	1.01	-7	NA	± 30 %	AverageRF
Butyl Benzyl Phthalate	3000	2900	0.01	0.471	0.456	-3	NA	± 30 %	AverageRF
3,3'-Dichlorobenzidine	3000	3200	0.01	0.427	0.450	5	NA	± 30 %	AverageRF
Benz(a)anthracene	3000	3000	0.01	1.03	1.03	0	NA	± 30 %	AverageRF
Chrysene	3000	3000	0.01	1.03	1.02	-1	NA	± 30 %	AverageRF
Bis(2-ethylhexyl) Phthalate	3000	3100	0.01	0.624	0.655	5	NA	± 30 %	AverageRF
‡ Di-n-octyl Phthalate	3000	3100	0.01	1.13	1.15	2	NA	± 20 %	AverageRF
Benzo(b)fluoranthene	3000	3000	0.01	1.07	1.07	0	NA	± 30 %	AverageRF
Benzo(k)fluoranthene	3000	3000	0.01	1.14	1.14	0	NA	± 30 %	AverageRF
‡ Benzo(a)pyrene	3000	3000	0.01	0.899	0.910	1	NA	± 20 %	AverageRF
Indeno(1,2,3-cd)pyrene	3000	3300	0.01	0.810	0.880	9	NA	± 30 %	AverageRF
Dibenz(a,h)anthracene	3000	3300	0.01	0.851	0.947	11	NA	± 30 %	AverageRF
Benzo(g,h,i)perylene	3000	3300	0.01	0.892	0.991	11	NA	± 30 %	AverageRF
2-Fluorophenol	3000	3000	0.01	0.989	0.974	-1	NA	± 30 %	AverageRF
Phenol-d6	3000	2800	0.01	1.16	1.07	-8	NA	± 30 %	AverageRF
Nitrobenzene-d5	3000	3200	0.01	1.32	1.42	8	NA	± 30 %	AverageRF
2-Fluorobiphenyl	3000	3200	0.01	1.64	1.76	7	NA	± 30 %	AverageRF
2,4,6-Tribromophenol	3000	3300	0.01	0.175	0.192	10	NA	± 30 %	AverageRF
Terphenyl-d14	3000	3000	0.01	0.789	0.783	-1	NA	± 30 %	AverageRF
‡ 1,4-Dichlorobenzene	3000	3000	0.01	1.49	1.48	0	NA	± 20 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Exception Report

Data File: J:\MS06\DATA\112910\1129F004.D
Lab ID: KWG1013042-2
RunType: CCV
Matrix: WATER

Date Acquired: 11/29/2010 11:36
Date Quantitated: 11/30/2010 08:35
Batch ID: KWG1013042
Analysis Method: 8270C
MethodJoinID: MJ143

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Tune Window	NA	NA	NA	x	
ICAL Pass/Fail	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Initial Calibration SPCC/CCC	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: LB 11/30/10

Secondary Review: [illegible] 11/30/10

Printed: 11/30/2010 11:02:05
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	WATER
Prod Code:	8270C SVO_LL	**Collect Date:**		**Receive Date:**	11/30/2010

Analysis Lot:	KWG1013042	**Prep Lot:**		**Report Group:**	
Analysis Method:	8270C	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	J:\MS06\METHODS\BNA\111510_BNLL.	**Calibration ID:**	CAL10053
Title:			
Tune Ref:	J:\MS06\DATA\112910\1129F003.D	**Method ID:**	MJ143
MB Ref:		**Quant based on Method**	

Data File:	J:\MS06\DATA\112910\1129F004.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 11:36	**Quant Date:**	11/30/2010 08:35	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG1013042-2			**Soln Conc. Units:**	ng/ml

Internal Standard Compounds

IS Ref	Parameter Name	RT	RT Dev	Quant Mass	Response	Solution Conc	Area Criteria
1	1,4-Dichlorobenzene-d4	8.25	-0.03	152	91093	1,000.00	OK
2	Naphthalene-d8	10.14	-0.01	136	267799	1,000.00	OK
3	Acenaphthene-d10	12.95	0.00	164	136505	1,000.00	OK
4	Phenanthrene-d10	15.36	0.00	188	280774	1,000.00	OK
5	Chrysene-d12	19.71	-0.01	240	367570	1,000.00	OK
6	Perylene-d12	23.15	0.01	264	344244	1,000.00	OK

Surrogate Compounds

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	%Rec	%Rec Limits	Rpt?
1	2-Fluorophenol	6.60			112	266215	2,955		12-109	NA
1	Phenol-d6	7.80			99	293294	2,774		23-106	NA
1	Nitrobenzene-d5	9.07			82	388987	3,242		26-110	NA
3	2-Fluorobiphenyl	11.89			172	721964	3,217		31-94	NA
4	2,4,6-Tribromophenol	14.24			330	161959	3,303		23-127	NA
5	Terphenyl-d14	18.01			244	863760	2,978		40-127	NA

Target Compounds

Final Conc. Units: ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	N-Nitrosodimethylamine	5.33			42	604636m	4,297			
1	Pyridine	5.36			79	309206m	3,229			
1	Bis(2-chloroethyl) Ether	7.92			93	214315	2,524			
1	Phenol	7.82			94	331590	2,847			
1	Aniline	7.82			93	343228	2,844			
1	2-Chlorophenol	7.97			128	318192	3,003			
1	1,3-Dichlorobenzene	8.17			146	399771	2,996			
1	1,4-Dichlorobenzene	8.28			146	405099	2,992			
1	1,2-Dichlorobenzene	8.49			146	387561	3,107			
1	Benzyl Alcohol	8.49			108	154375	2,866			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F004.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 11:36	**Quant Date:**	11/30/2010 08:35	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG1013042-2			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
1	Bis(2-chloroisopropyl) Ether	8.68			45	491787	2,734			
1	2-Methylphenol	8.66			107	210516	2,710			
1	Acetophenone	8.85			105	374152	2,934			
1	Hexachloroethane	8.97			117	174564	3,271			
1	N-Nitrosodi-n-propylamine	8.87			70	240196	3,133			
1	4-Methylphenol	8.89			107	286211	2,826			
1	Nitrobenzene	9.09			77	372294	3,114			
2	Isophorone	9.46			82	571613	3,057			
2	2-Nitrophenol	9.57			139	184069	3,240			
2	2,4-Dimethylphenol	9.69			122	230120	2,907			
2	Bis(2-chloroethoxy)methane	9.82			93	246287	2,740			
2	2,4-Dichlorophenol	9.95			162	282316	3,341			
2	Benzoic Acid	9.92			122	113961	2,895			
2	1,2,4-Trichlorobenzene	10.07			180	369034	3,258			
2	Naphthalene	10.17			128	783752	2,939			
2	4-Chloroaniline	10.29			127	330032	2,953			
2	Hexachlorobutadiene	10.38			225	297418	3,326			
2	4-Chloro-3-methylphenol	11.12			107	264466	3,077			
2	2-Methylnaphthalene	11.27			141	461323	3,050			
2	1-Methylnaphthalene	11.43			141	475669	3,047			
3	Hexachlorocyclopentadiene	11.53			237	261407	2,691			
3	2,4,6-Trichlorophenol	11.76			196	238259	3,339			
3	2,4,5-Trichlorophenol	11.82			196	253441	3,295			
3	2-Chloronaphthalene	12.05			127	251278	3,377			
3	2-Nitroaniline	12.26			65	225941	3,498			
3	Acenaphthylene	12.71			152	829492	3,138			
3	Dimethyl Phthalate	12.60			163	686682	3,239			
3	2,6-Dinitrotoluene	12.68			165	165604	3,335			
3	Acenaphthene	13.00			154	466470	3,090			
3	3-Nitroaniline	12.94			138	145057	3,000			
3	2,4-Dinitrophenol	13.12			184	80074	2,638			
3	Dibenzofuran	13.29			168	772622	3,115			
3	4-Nitrophenol	13.30			109	154254	3,457			
3	2,4-Dinitrotoluene	13.34			165	234803	3,309			
3	2,3,4,6-Tetrachlorophenol	13.52			232	245418	3,368			
3	Fluorene	13.85			166	613145	3,168			
3	4-Chlorophenyl Phenyl Ether	13.88			204	380779	3,221			
3	Diethyl Phthalate	13.75			149	695837	3,094			
3	4-Nitroaniline	13.94			138	137814	2,812			
3	2-Methyl-4,6-dinitrophenol	13.99			198	146962	3,004			
3	N-Nitrosodiphenylamine	14.09			169	446612	3,196			
3	Azobenzene	14.13			77	709571	3,299			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File:	J:\MS06\DATA\112910\1129F004.D			**Instrument:**	MS06
Acqu Date:	11/29/2010 11:36	**Quant Date:**	11/30/2010 08:35	**Vial:**	3
Run Type:	CCV			**Dilution:**	1.0
Lab ID:	KWG1013042-2			**Soln Conc. Units:**	ng/ml

Target Compounds **Final Conc. Units:** ug/L

IS Ref	Parameter Name	RT	RT Dev	RRT Dev	Quant Mass	Response	Solution Conc	Final Conc	Q	Rpt?
4	4-Bromophenyl Phenyl Ether	14.67			248	262180	3,201			
4	Hexachlorobenzene	14.74			284	290152	3,239			
4	Pentachlorophenol	15.08			266	152671	2,585			
4	Phenanthrene	15.40			178	834742	2,966			
4	Anthracene	15.48			178	881857	3,016			
4	Carbazole	15.78			167	762386	2,982			
4	Di-n-butyl Phthalate	16.43			149	1108190	3,104			
4	Fluoranthene	17.33			202	1089521	3,106			
5	Benzidine	17.61			184	476248	2,361		N	
5	Pyrene	17.69			202	1110264	2,803			
5	Butyl Benzyl Phthalate	18.85			149	502548	2,904			
5	3,3'-Dichlorobenzidine	19.71			252	495796	3,160			
5	Benz(a)anthracene	19.70			228	1141198	3,002			
5	Chrysene	19.77			228	1124397	2,966			
5	Bis(2-ethylhexyl) Phthalate	19.91			149	721981	3,146			
6	Di-n-octyl Phthalate	21.42			149	1190336	3,061			
6	Benzo(b)fluoranthene	22.16			252	1106833	2,995			
6	Benzo(k)fluoranthene	22.25			252	1177885	3,005			
6	Benzo(a)pyrene	23.01			252	940137	3,039			
6	Indeno(1,2,3-cd)pyrene	25.56			276	909122	3,261			
6	Dibenz(a,h)anthracene	25.63			278	978265	3,341			
6	Benzo(g,h,i)perylene	26.06			276	1023706	3,334			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F004.D Vial: 3
Acq On : 29 Nov 2010 11:36 am Operator: KBailey
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:34:38 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.25	152	91093	1000.00 ng/ml	-0.02
22) Naphthalene-d8	10.14	136	267799	1000.00 ng/ml	0.00
36) Acenaphthene-d10	12.95	164	136505	1000.00 ng/ml	0.00
60) Phenanthrene-d10	15.36	188	280774	1000.00 ng/ml	0.00
70) Chrysene-d12	19.71	240	367570	1000.00 ng/ml	0.00
79) Perylene-d12	23.15	264	344244	1000.00 ng/ml	0.00

System Monitoring Compounds					
4) 2-Fluorophenol	6.60	112	266215	2955.23 ng/ml	-0.04
Spiked Amount 3750.000	Range 38 - 110		Recovery = 78.81%		
6) Phenol-d6	7.80	99	293294	2774.20 ng/ml	0.00
Spiked Amount 3750.000	Range 43 - 128		Recovery = 73.98%		
20) Nitrobenzene-d5	9.07	82	388987	3242.17 ng/ml	0.00
Spiked Amount 2500.000	Range 30 - 139		Recovery = 129.69%		
40) 2-Fluorobiphenyl	11.89	172	721964	3216.97 ng/ml	0.00
Spiked Amount 2500.000	Range 37 - 126		Recovery = 128.68%#		
61) 2,4,6-Tribromophenol	14.24	330	161959	3302.97 ng/ml	0.00
Spiked Amount 3750.000	Range 38 - 157		Recovery = 88.08%		
73) Terphenyl-d14	18.01	244	863760	2978.35 ng/ml	0.00
Spiked Amount 2500.000	Range 54 - 158		Recovery = 119.13%		

Target Compounds					Qvalue
2) N-Nitrosodimethylamine	5.33	42	604636m	4297.17 ng/ml	
3) Pyridine	5.36	79	309206m	3228.70 ng/ml	
5) Bis(2-chloroethyl) Ether	7.92	93	214315	2524.09 ng/ml	90
7) Phenol	7.82	94	331590	2846.65 ng/ml#	50
8) Aniline	7.82	93	343228	2844.27 ng/ml#	21
9) 2-Chlorophenol	7.97	128	318192	3002.65 ng/ml	97
10) 1,3-Dichlorobenzene	8.17	146	399771	2996.28 ng/ml	98
11) 1,4-Dichlorobenzene	8.28	146	405099	2992.20 ng/ml	98
12) 1,2-Dichlorobenzene	8.49	146	387561	3107.06 ng/ml	96
13) Benzyl Alcohol	8.49	108	154375	2866.24 ng/ml#	72
14) Bis(2-chloroisopropyl) Eth	8.68	45	491787	2734.39 ng/ml	81
15) 2-Methylphenol	8.66	107	210516	2709.95 ng/ml#	79
16) Acetophenone	8.85	105	374152	2934.40 ng/ml	81
17) Hexachloroethane	8.97	117	174564	3271.23 ng/ml	98
18) N-Nitrosodi-n-propylamine	8.87	70	240196	3132.78 ng/ml	81
19) 4-Methylphenol	8.89	107	286211	2825.57 ng/ml	95
21) Nitrobenzene	9.09	77	372294	3114.28 ng/ml	92
23) Isophorone	9.46	82	571613	3057.09 ng/ml	98
24) 2-Nitrophenol	9.57	139	184069	3239.88 ng/ml	87
25) 2,4-Dimethylphenol	9.69	122	230120	2906.87 ng/ml	97

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F004.D Vial: 3
Acq On : 29 Nov 2010 11:36 am Operator: KBailey
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:34:38 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
26) Bis(2-chloroethoxy)methane	9.82	93	246287	2739.71 ng/ml	97
27) 2,4-Dichlorophenol	9.95	162	282316	3340.77 ng/ml	99
28) Benzoic Acid	9.92	122	113961	2894.69 ng/ml	89
29) 1,2,4-Trichlorobenzene	10.07	180	369034	3257.53 ng/ml	97
30) Naphthalene	10.17	128	783752	2938.75 ng/ml	78
31) 4-Chloroaniline	10.29	127	330032	2953.25 ng/ml	95
32) Hexachlorobutadiene	10.38	225	297418	3325.65 ng/ml	98
33) 4-Chloro-3-methylphenol	11.12	107	264466	3077.46 ng/ml	97
34) 2-Methylnaphthalene	11.27	141	461323	3050.40 ng/ml	95
35) 1-Methylnaphthalene	11.43	141	475669	3047.39 ng/ml	96
37) Hexachlorocyclopentadiene	11.53	237	261407	2691.21 ng/ml	97
38) 2,4,6-Trichlorophenol	11.76	196	238259	3338.78 ng/ml	100
39) 2,4,5-Trichlorophenol	11.82	196	253441	3294.55 ng/ml	97
41) 2-Chloronaphthalene	12.05	127	251278	3376.68 ng/ml	98
42) 2-Nitroaniline	12.26	65	225941	3497.58 ng/ml	92
43) Acenaphthylene	12.71	152	829492	3138.49 ng/ml	100
44) Dimethyl Phthalate	12.60	163	686682	3238.63 ng/ml	98
45) 2,6-Dinitrotoluene	12.68	165	165604	3334.51 ng/ml	75
46) Acenaphthene	13.00	154	466470	3089.82 ng/ml	98
47) 3-Nitroaniline	12.94	138	145057	2999.90 ng/ml	87
48) 2,4-Dinitrophenol	13.12	184	80074	2637.85 ng/ml	87
49) Dibenzofuran	13.29	168	772622	3115.20 ng/ml	93
50) 4-Nitrophenol	13.30	109	154254	3456.72 ng/ml#	75
51) 2,4-Dinitrotoluene	13.34	165	234803	3308.53 ng/ml	84
52) 2,3,4,6-Tetrachlorophenol	13.52	232	245418	3367.74 ng/ml	92
53) Fluorene	13.85	166	613145	3168.20 ng/ml	100
54) 4-Chlorophenyl Phenyl Ethe	13.88	204	380779	3220.80 ng/ml	96
55) Diethyl Phthalate	13.75	149	695837	3094.05 ng/ml	99
56) 4-Nitroaniline	13.94	138	137814	2811.83 ng/ml#	62
57) 2-Methyl-4,6-dinitrophenol	13.99	198	146962	3003.51 ng/ml	97
58) N-Nitrosodiphenylamine	14.09	169	446612	3195.90 ng/ml	98
59) Azobenzene	14.13	77	709571	3299.37 ng/ml	85
62) 4-Bromophenyl Phenyl Ether	14.67	248	262180	3200.73 ng/ml	96
63) Hexachlorobenzene	14.74	284	290152	3239.24 ng/ml	95
64) Pentachlorophenol	15.08	266	152671	2584.62 ng/ml	97
65) Phenanthrene	15.40	178	834742	2965.99 ng/ml	99
66) Anthracene	15.48	178	881857	3015.51 ng/ml	98
67) Carbazole	15.78	167	762386	2982.45 ng/ml	97
68) Di-n-butyl Phthalate	16.43	149	1108190	3103.79 ng/ml	98
69) Fluoranthene	17.33	202	1089521	3106.40 ng/ml	97
71) Benzidine	17.61	184	476248	2360.56 ng/ml	98

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

Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F004.D Vial: 3
Acq On : 29 Nov 2010 11:36 am Operator: KBailey
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F Inst : MS06
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 30 08:34:38 2010 Quant Results File: 111510_BNLL.RES

Quant Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration
DataAcq Meth : BNALL

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
72)	Pyrene	17.69	202	1110264	2802.94	ng/ml	99
74)	Butyl Benzyl Phthalate	18.85	149	502548	2904.30	ng/ml	95
75)	3,3'-Dichlorobenzidine	19.71	252	495796	3159.63	ng/ml	97
76)	Benz(a)anthracene	19.70	228	1141198	3001.76	ng/ml	99
77)	Chrysene	19.77	228	1124397	2966.23	ng/ml	99
78)	Bis(2-ethylhexyl) Phthalat	19.91	149	721981	3146.14	ng/ml	99
80)	Di-n-octyl Phthalate	21.42	149	1190336	3060.53	ng/ml	98
81)	Benzo(b)fluoranthene	22.16	252	1106833	2995.17	ng/ml	99
82)	Benzo(k)fluoranthene	22.25	252	1177885	3004.63	ng/ml	98
83)	Benzo(a)pyrene	23.01	252	940137	3038.60	ng/ml	98
84)	Indeno(1,2,3-cd)pyrene	25.56	276	909122	3260.76	ng/ml	96
85)	Dibenz(a,h)anthracene	25.63	278	978265	3341.26	ng/ml	98
86)	Benzo(g,h,i)perylene	26.06	276	1023706	3333.55	ng/ml	99

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

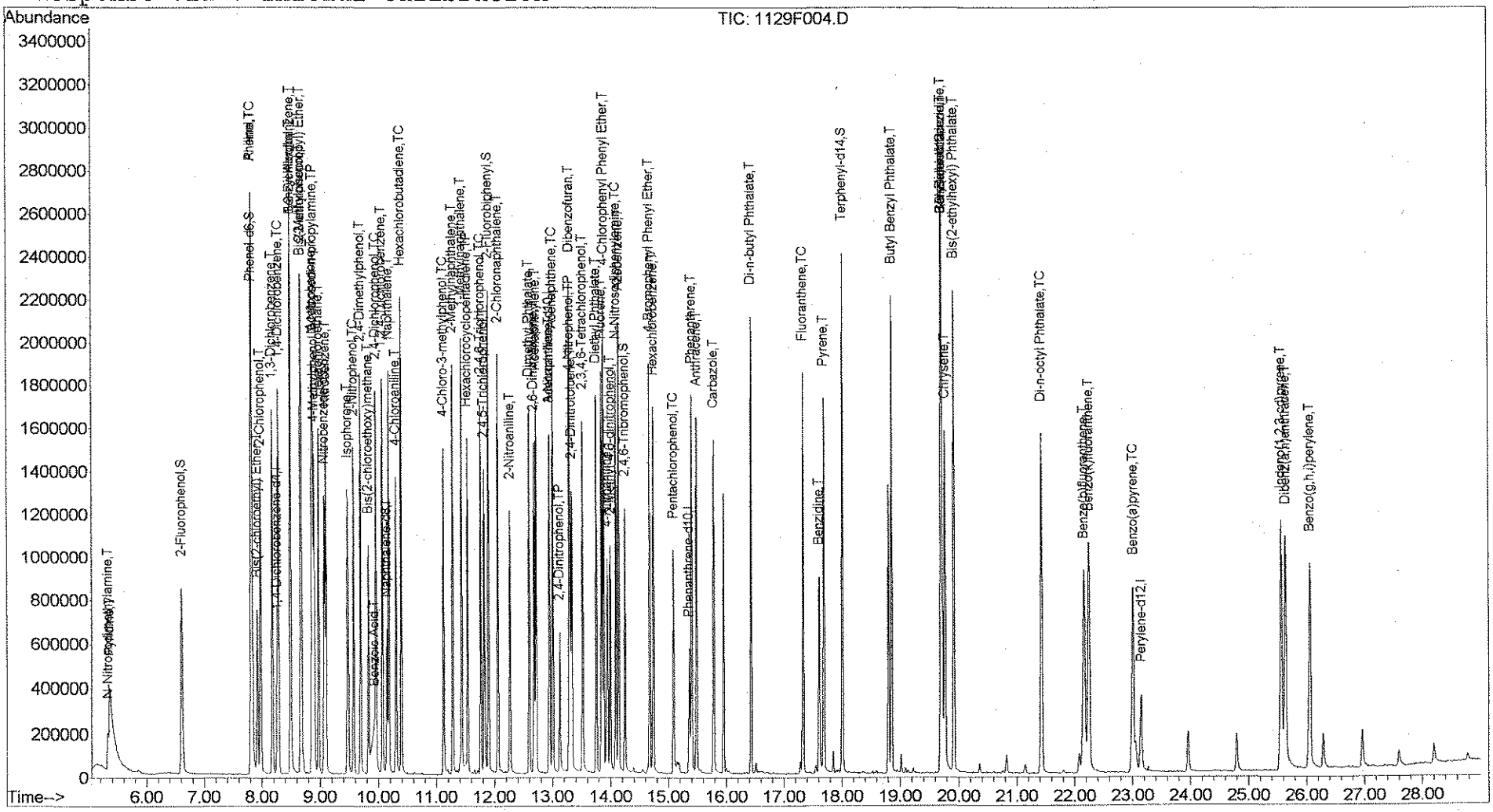
Quantitation Report (QT Reviewed)

Data File : J:\MS06\DATA\112910\1129F004.D
Acq On : 29 Nov 2010 11:36 am
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:35 2010

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00

Quant Results File: 111510_BNLL.RES

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Initial Calibration

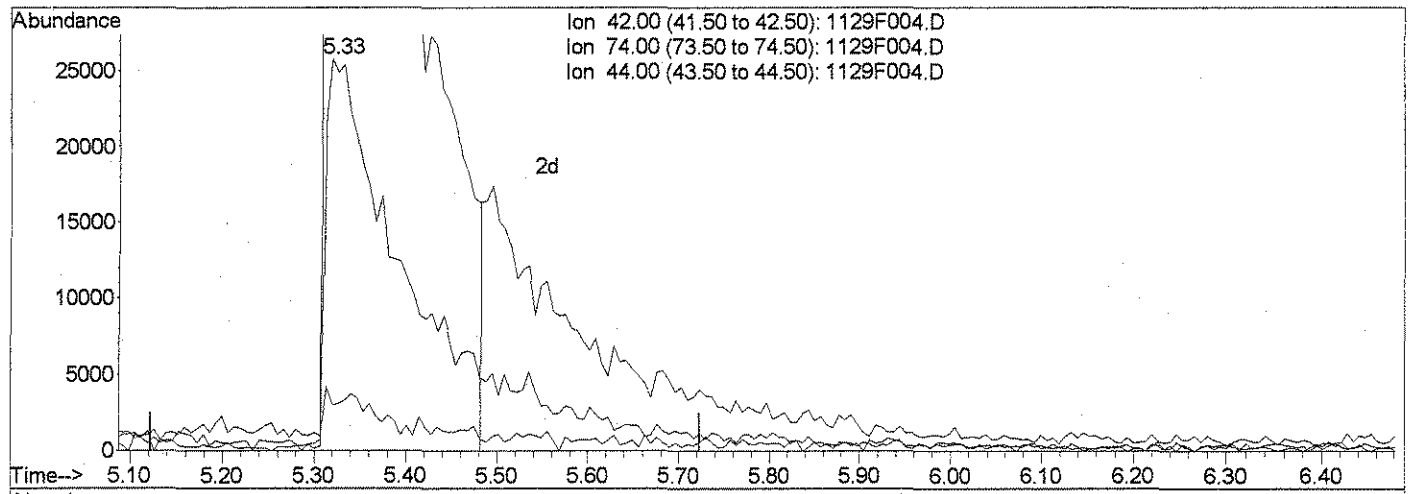


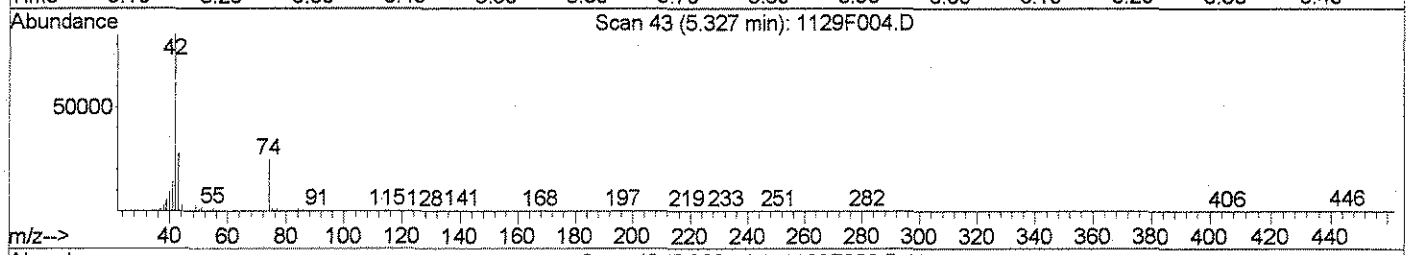
Quantitation Report (Qedit)

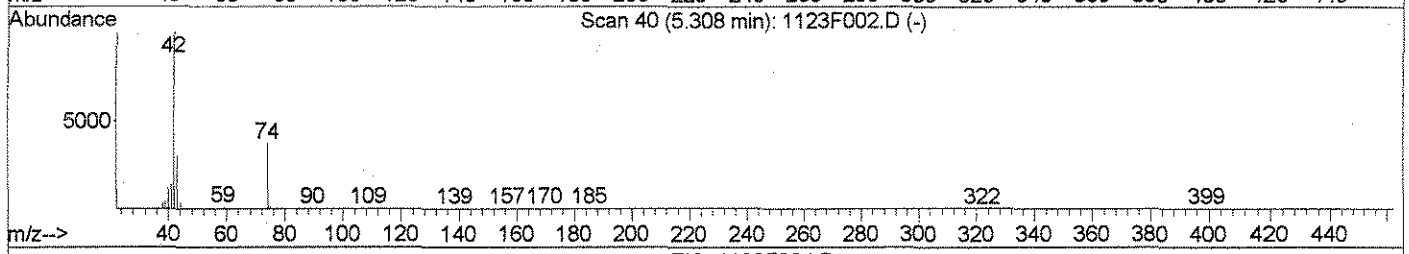
Data File : J:\MS06\DATA\112910\1129F004.D
Acq On : 29 Nov 2010 11:36 am
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:34 2010

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Single Level Calibration







TIC: 1129F004.D

(2) N-Nitrosodimethylamine (T)

5.33min 3136.95ng/ml

response 441387

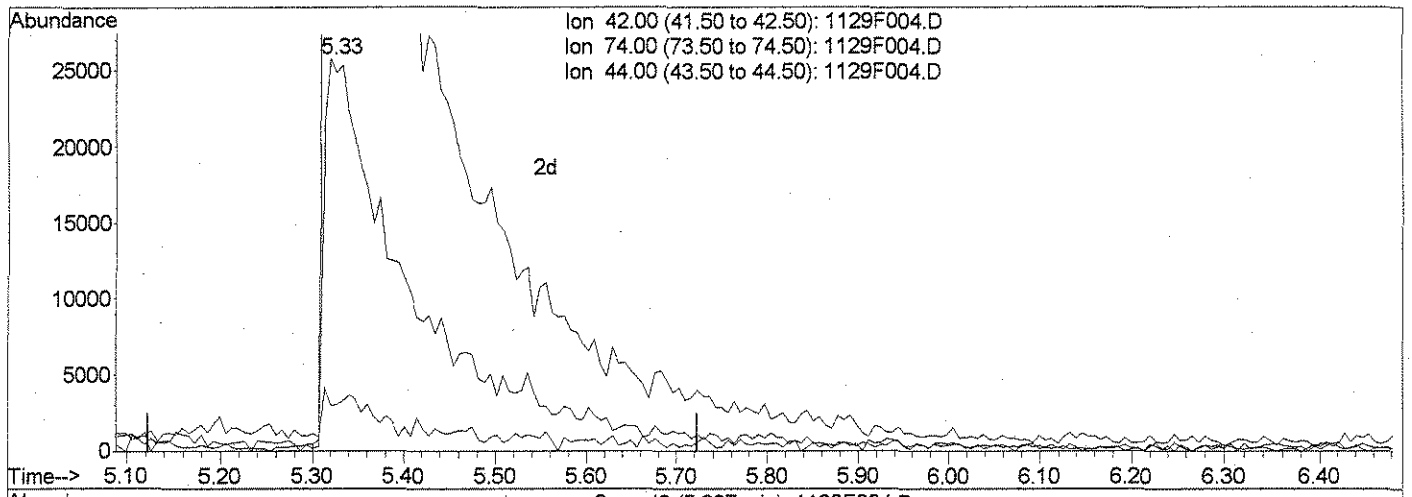
Ion	Exp%	Act%
42.00	100	100
74.00	40.50	29.06
44.00	4.40	2.72
0.00	0.00	0.00

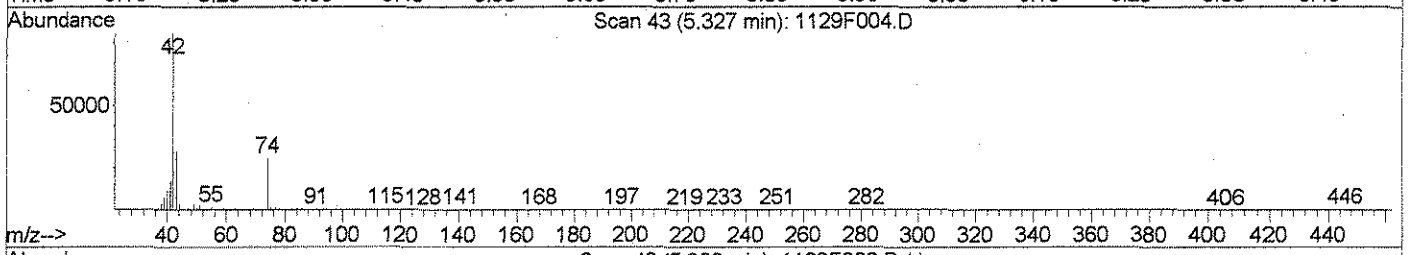
Quantitation Report (Qedit)

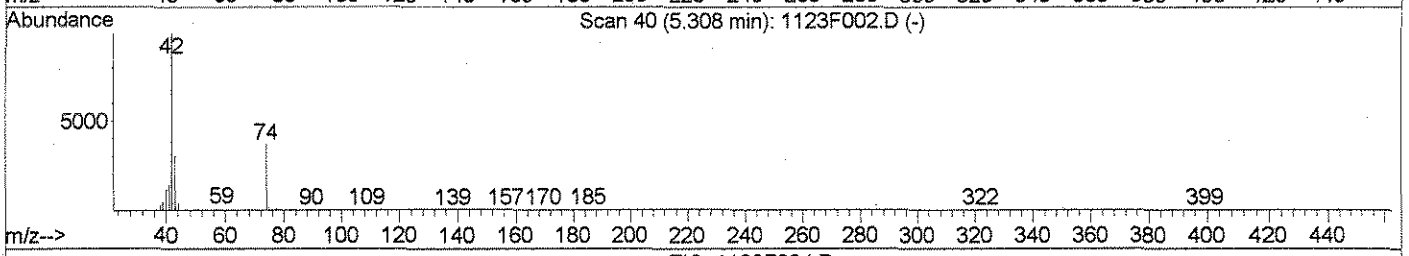
Data File : J:\MS06\DATA\112910\1129F004.D
Acq On : 29 Nov 2010 11:36 am
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:35 2010

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Single Level Calibration







TIC: 1129F004.D

(2) N-Nitrosodimethylamine (T)

5.33min 4297.17ng/ml m

response 604636

Ion	Exp%	Act%
42.00	100	100
74.00	40.50	29.45
44.00	4.40	3.63
0.00	0.00	0.00

1c
LB 11/30/10
11/30/10

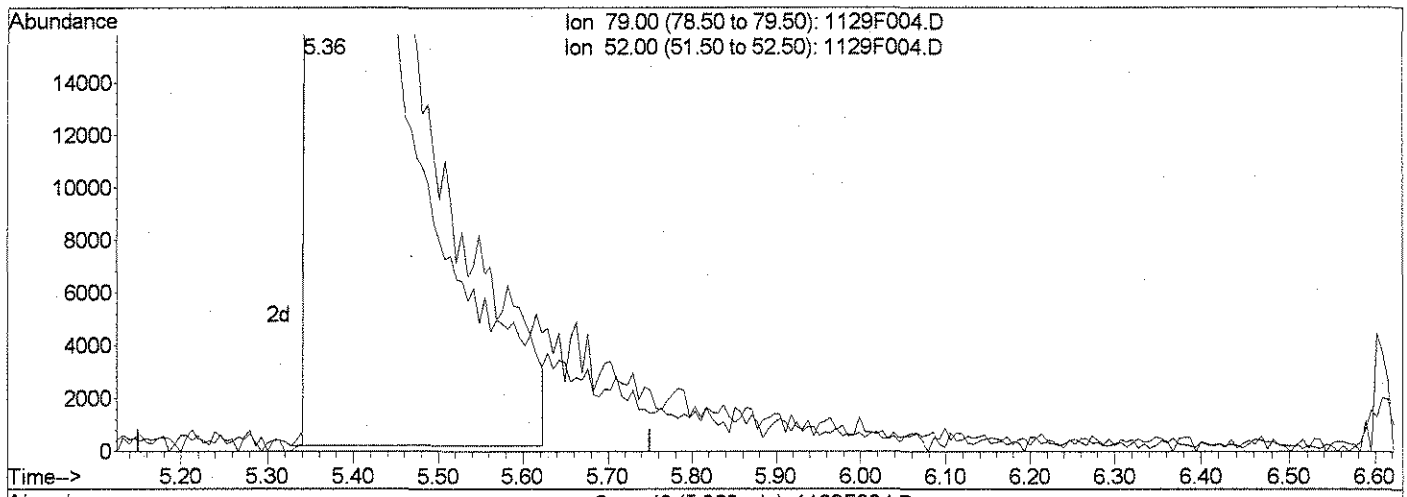
1129F004.D 111510_BNLL.M Tue Nov 30 08:35:07 2010

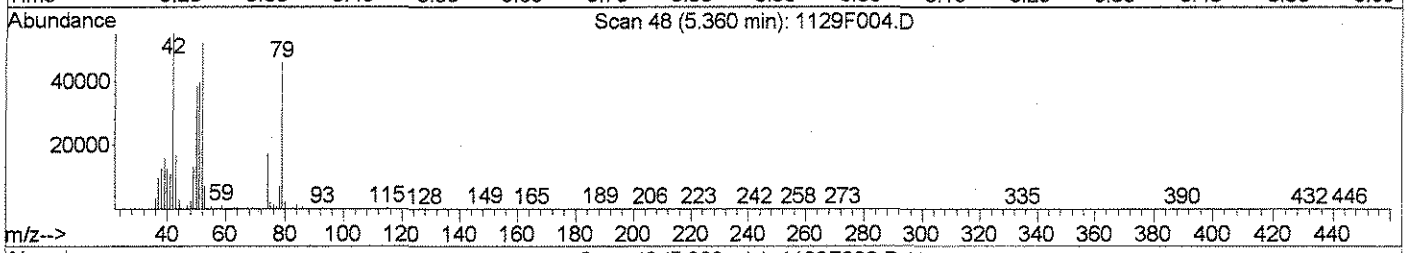
Quantitation Report (Qedit)

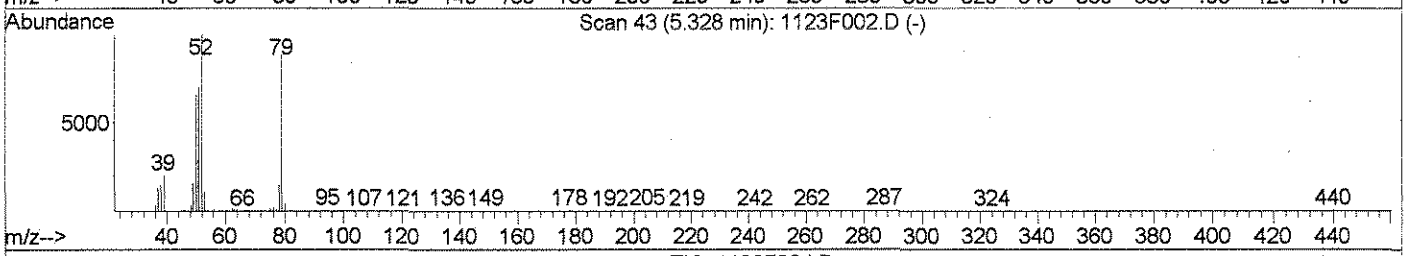
Data File : J:\MS06\DATA\112910\1129F004.D
Acq On : 29 Nov 2010 11:36 am
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:35 2010

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Single Level Calibration







TIC: 1129F004.D

(3) Pyridine (T)

5.36min 2722.05ng/ml

response 260685

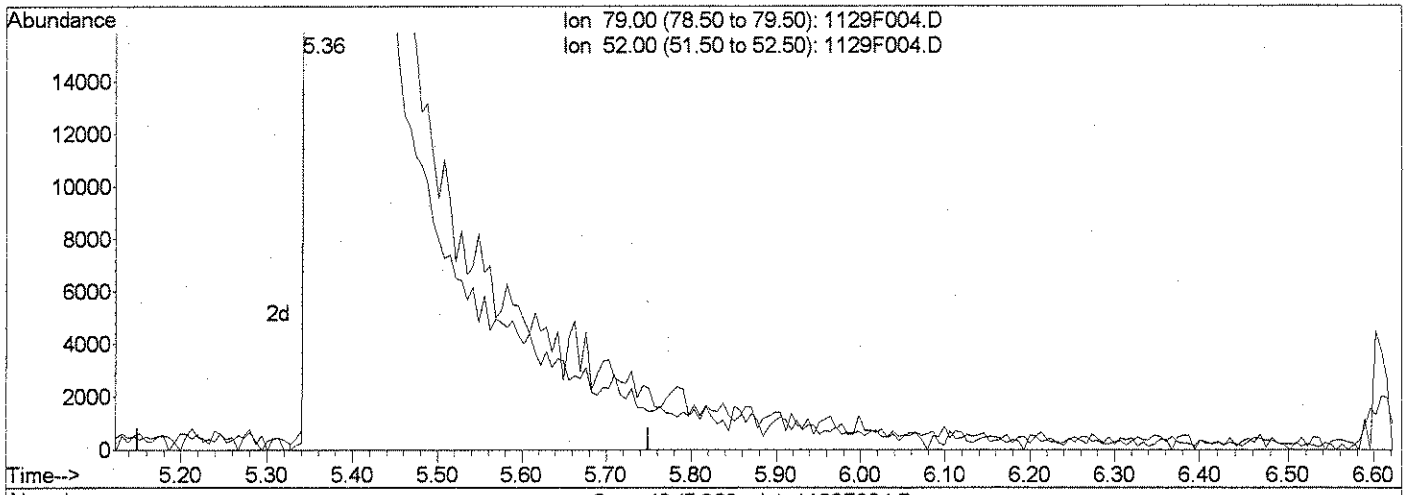
Ion	Exp%	Act%
79.00	100	100
52.00	97.10	114.42
0.00	0.00	0.00
0.00	0.00	0.00

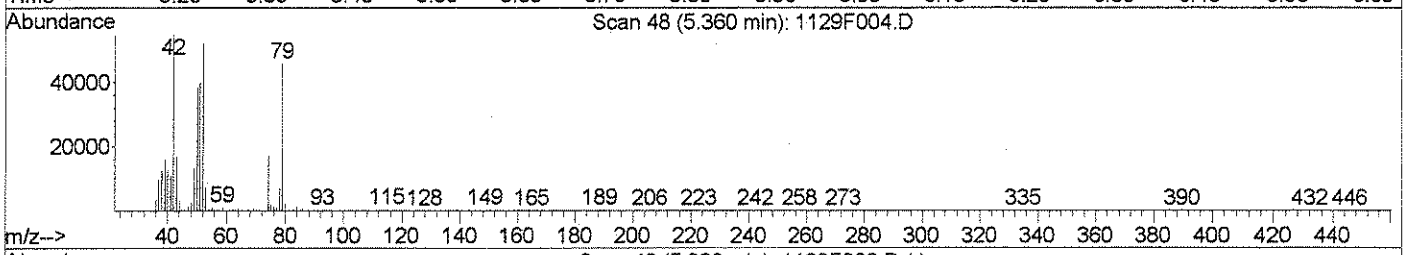
Quantitation Report (Qedit)

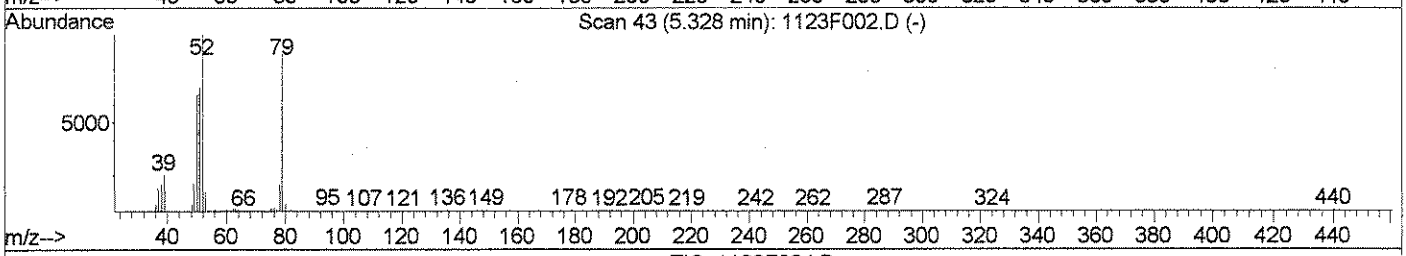
Data File : J:\MS06\DATA\112910\1129F004.D
Acq On : 29 Nov 2010 11:36 am
Sample : 3.0ug/mL CCV SVO_LL | SVM33-69F
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 30 8:35 2010

Vial: 3
Operator: KBailey
Inst : MS06
Multiplr: 1.00
Quant Results File: temp.res

Method : J:\MS06\METHODS\BNA\111510_BNLL.M (RTE Integrator)
Title : 8270LL ICAL
Last Update : Fri Nov 19 09:51:56 2010
Response via : Single Level Calibration







TIC: 1129F004.D

(3) Pyridine (T)

5.36min 3228.70ng/ml m

response 309206

Ion	Exp%	Act%
79.00	100	100
52.00	97.10	113.89
0.00	0.00	0.00
0.00	0.00	0.00

1c
LB 11/30/10
11/30/10

1129F004.D 111510_BNLL.M Tue Nov 30 08:35:23 2010

Organic Analysis:
Semi-Volatile Organic Compounds by GC/MS

Validation Package

Sample Prep and Screen Data

Preparation Information

Group ID:	KWG1012791	**Prep Method:**	EPA 3541	**Prep Date:**	11/22/10 00:00
Department:	Semivoa GCMS				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K1012914-029	FW0001	8270C SVO_LL	WIPE	1Wip	2ml	
K1012914-030	FW0002	8270C SVO_LL	WIPE	1Wip	2ml	
K1012914-031	FW0003	8270C SVO_LL	WIPE	1Wip	2ml	
KWG1012791-1	Lab Control Sample	8270C SVO_LL	WIPE	1Wip	2ml	
KWG1012791-2	Duplicate Lab Control Sampl	8270C SVO_LL	WIPE	1Wip	2ml	
KWG1012791-3	Method Blank	8270C SVO_LL	WIPE	1Wip	2ml	

Lab Code	Parent Lab Code	Comments
KWG1012791-1		additional spike: SVM33-37B, 50uL
KWG1012791-2		additional spike: SVM33-37B, 50uL

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K1012914-029	980567	SVM33-64B	50uL			LBerg
K1012914-030	980568	SVM33-64B	50uL			LBerg
K1012914-031	980566	SVM33-64B	50uL			LBerg
KWG1012791-1	980569	SVM33-64B	50uL	SVM33-56A	50uL	LBerg
KWG1012791-2	980570	SVM33-64B	50uL	SVM33-56A	50uL	LBerg
KWG1012791-3	980571	SVM33-64B	50uL			LBerg

Comments:

IS: SVM32-22E

Started By: RAndrell Assisted By: Training Yes No

Completed By: HBailey Assisted By: Yes No

Reviewed By: HBailey Date: 11/23/10 Storage: HS06

Chain of Custody

Relinquished By: HBailey Date: 11/23/10 Extracts Examined

Received By: KB Date: 11/29/10 Yes No

Preparation Information

Due: 11/22/10

Group ID:	KWG1012791	**Prep Method:**	EPA 3541	LL	**Prep Date:** 11/22/10 00:00
Department:	Semivoa GCMS				

#	Lab Code	Client ID	B#	√	Product	Matrix	Amt. Ext.	pH	Int. Vol.	Final Vol.	Surr. Added	Spike Added
1	K1012914-029	FW0001	06	✓	8270C SVO_LL	WIPE	1 wipe	NA	10mL	2mL	50uL	NA
2	K1012914-030 *	FW0002	04	✓	8270C SVO_LL	WIPE						
3	K1012914-031	FW0003	02	✓	8270C SVO_LL	WIPE						
4	KWG1012791-1	Lab Control Sample			8270C SVO_LL	WIPE	1 wipe					A,B: 50uL
5	KWG1012791-2	Duplicate Lab Control Sample			8270C SVO_LL	WIPE						
6	KWG1012791-3	Method Blank			8270C SVO_LL	WIPE						NA

Comments: Prep #124325 *GPC MALFUNCTION. APPEARS AS IF NOT ALL THE SAMPLE COLLECTED. AB 11/23/10 (AFTER GOING THRU COLUMN)

Surrogate ID: (AP) SVM33-64B, 100/150ppm, 5/15/11, ~~50uL~~ 11/22 (TE) 50uL (EPP)

Spike ID: A: (8270) SVM33-56A, 100ppm, 2/6/11, 50uL (EPP) B: (Benzoic Acid) SVM33-37B, 200ppm, 1/12/11, 50uL (EPP)

Witness: 11-22-10

Started By: RAndrell

Assisted By:

Completed By: A Beatty

Assisted By: KT Valdez

GPC RUNLOG

Run Date: 11/22/2010 Calibration Date: 11/18/2010

GPC #: 2 Program Number: 1

Lab I.D.	Position	Test	Dilution	Comments
BLANK	1	8270-LL	NA	NA
KWG1012700-5MB	2	8270-LL	NA	NA
LCS	3	8270-LL	NA	NA
DLCS	4	8270-LL	NA	NA
12914-1	5	8270-LL	NA	NA
12914-2	6	8270-LL	NA	NA
12914-9	7	8270-LL	NA	NA
12914-10	8	8270-LL	NA	NA
12914-16	9	8270-LL	NA	NA
12914-17	10	8270-LL	NA	NA
12914-18	11	8270-LL	NA	NA
12914-19	12	8270-LL	NA	NA
12914-10MS	13	8270-LL	NA	NA
12914-10DMS	14	8270-LL	NA	NA
BLANK	15	8270-LL	NA	NA
KWG1012791-3MB	16	8270-LL	NA	NA
LCS	17	8270-LL	NA	NA
DLCS	18	8270-LL	NA	NA
BLANK	19	8270-LL	NA	NA
12914-29	20	8270-LL	NA	NA
12914-30	21	8270-LL	NA	NA
12914-31	22	8270-LL	NA	NA
BLANK	23	8270-LL	NA	NA

Final Volume Calculation

Intermediate Volume before GPC: 10 mL

Aliquot taken from intermediate volume: 10 mL

Aliquot diluted up to.... 10 mL

Volume Injected onto column: 5 mL

GPC'd Extract brought to the Final Volume of: 1 mL

Calculated True Final Volume: 2 mL

Operator Date and Initial: 11/22/2010 LB

Additional Prep Information for SVM/GCMS by EPA 3541

Service Request # K1012914 **Workgroup #** KWG1012791

Extraction (3541):

Sulfate Lot # BG1010 DCM (GC^2) Lot # DC054

Soxtherm Start (Time/Date/Initial): 1527 / 11.22.10 / RA

Soxtherm Stop (Time/Date/Initial): 1820 / 11.22.10 / RA

8270/Carbazole Clean-up:

GPC Clean-up (3640): LB 11/22/10 (Initial/Date)

S-Evap Temp: 75°C RT N-Evap Temp: 30°C RT

SIM PAH/PBDE Clean-up:

Hexane Exchange for Silica Gel: — (Initial/Date)

N-Evap Temp: — Hexane Lot # —

Silica Gel Clean-up (3630): — (Initial/Date)

Silica Column Lot # — 1:1 Hexane/DCM Reagent Lot # —

Acid Clean-up (PBDE only): — (Initial/Date)

Extract Storage: —

Date Completed: 11/23/10

Comments/Observations:

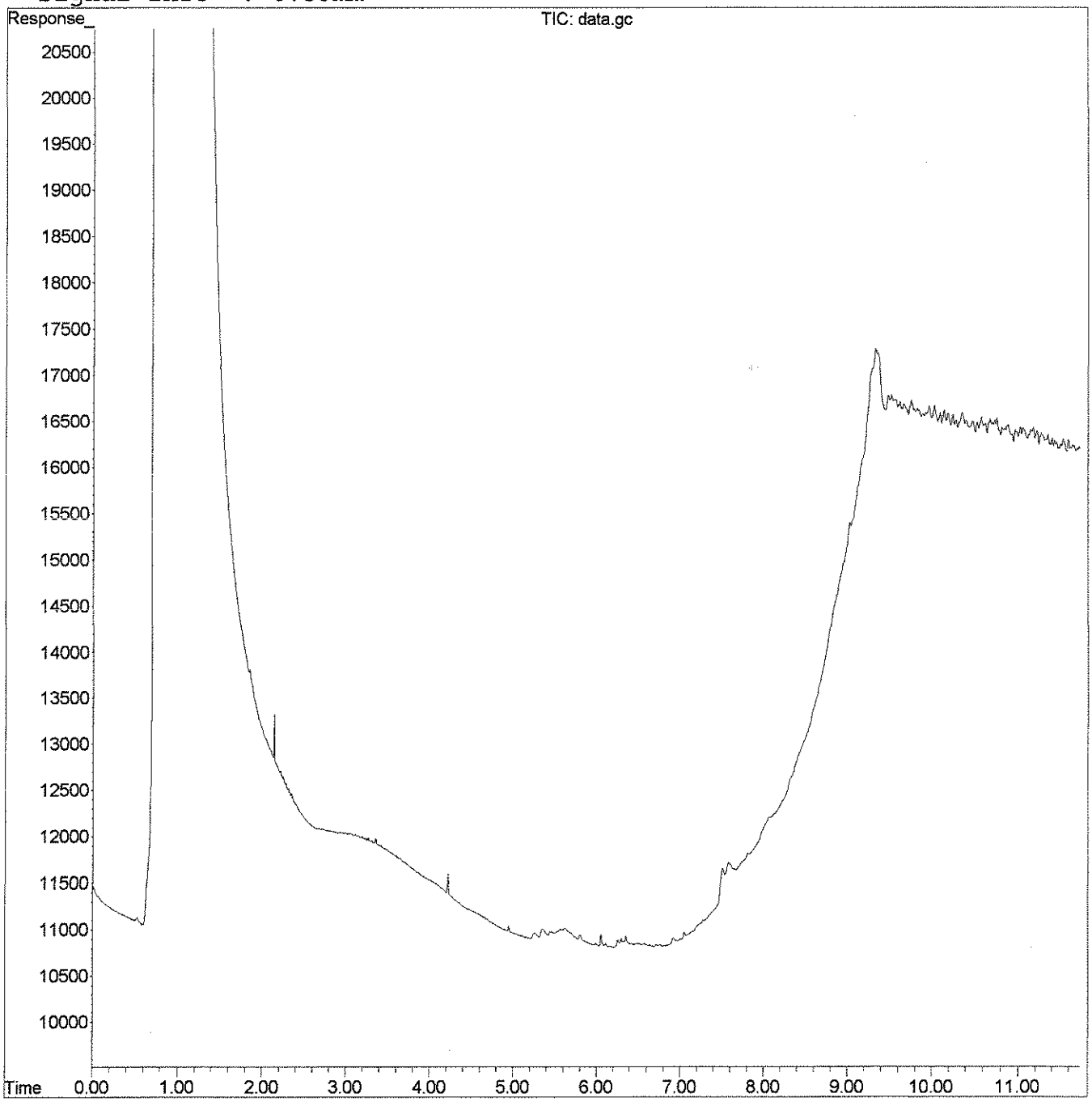
Bench Sheet Review Check List
☐ Hold Times Met (if no, Reason:)
☑ Prep date, dept, method, product code correct in stealth
☑ Spike Information correct
☑ Weights/Volumes and units correct on raw and final bench sheets
☑ Sample IDs have been checked—Bottle numbers appended if required
☑ Names present for: Started by, Completed by, relinquished by, and witnessed by.
☑ Training has been circled
☑ Extract Storage recorded
☑ Additional Prep Sheet completely filled out (NA or line out Blanks)
☑ All clean-ups have been noted on additional prep sheet
☑ Signed service request with Form V, if applicable, has been attached

Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112910\1129F003.D Vial: 2
Acq On : 29 Nov 2010 01:45 pm Operator:
Sample : K1012914-029 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 29 14:15 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm

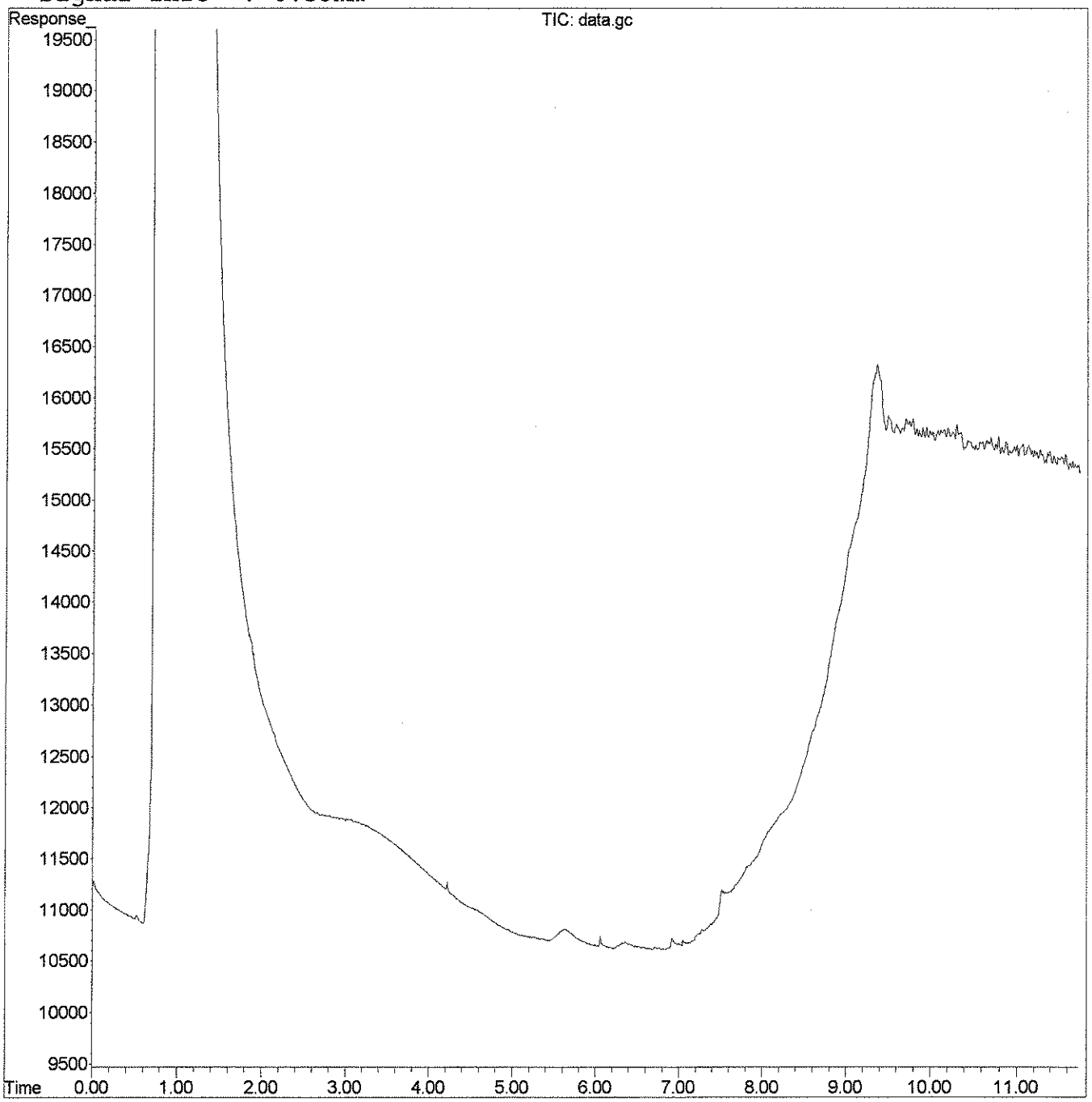


Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112910\1129F004.D Vial: 3
Acq On : 29 Nov 2010 02:03 pm Operator:
Sample : K1012914-030 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 29 14:15 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm

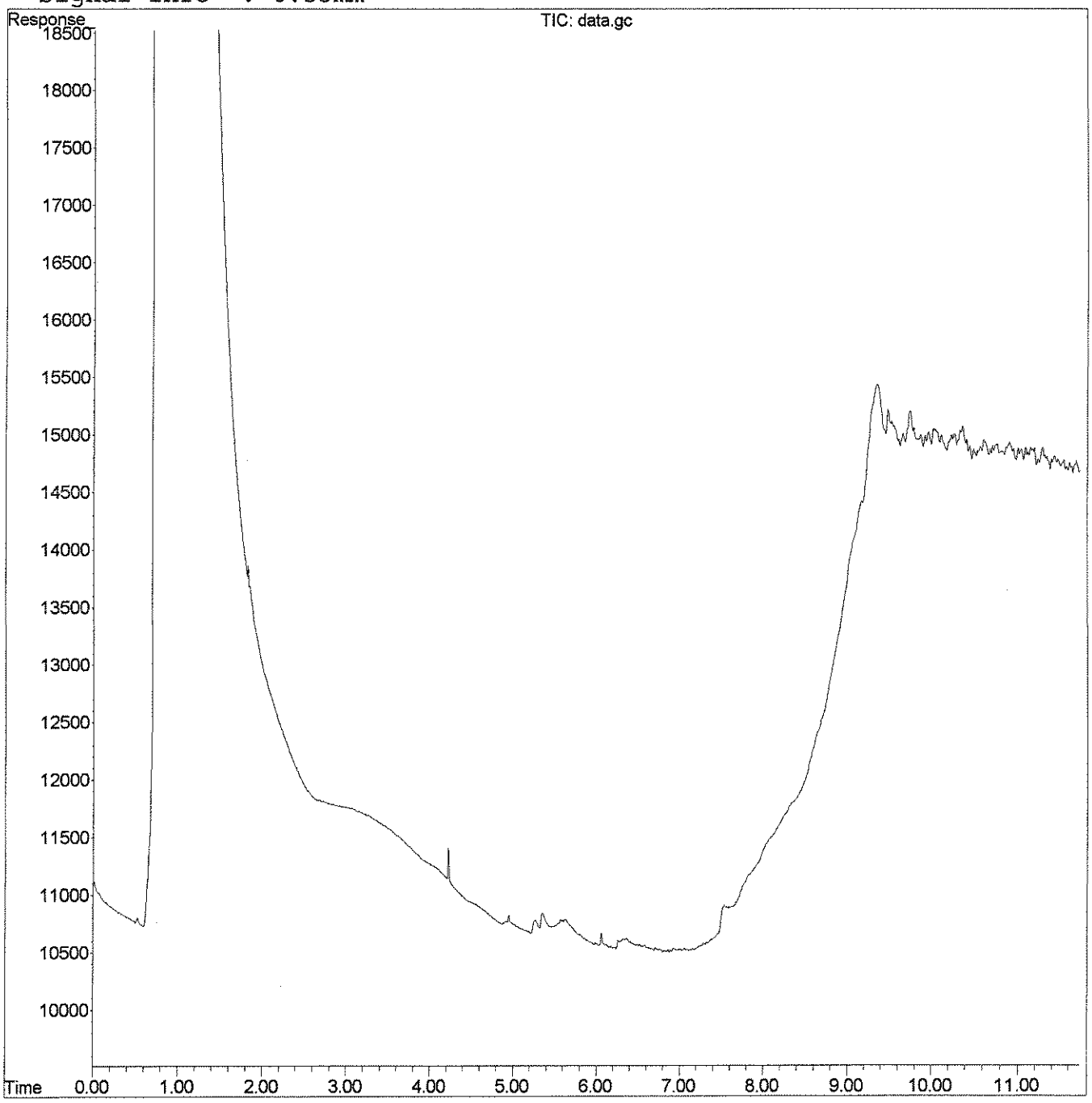


Quantitation Report (Not Reviewed)

Data File : J:\GC05\DATA\112910\1129F005.D Vial: 4
Acq On : 29 Nov 2010 02:21 pm Operator:
Sample : K1012914-031 Inst : GC05
Misc : Multiplr: 1.00
IntFile : rteint.p
Quant Time: Nov 29 14:15 2010 Quant Results File: SCREEN.RES

Quant Method : J:\GC05\METHODS\SCREEN.M (RTE Integrator)
Title : pah scrn
Last Update : Fri Mar 23 08:09:50 2001
Response via : Single Level Calibration
DataAcq Meth : BNASCRN.MTH

Volume Inj. : 1 ul
Signal Phase : Rtx-5
Signal Info : 0.53mm



Injection Log

Directory: J:\MS06\DATA\112910

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	1129F001.D	1.	PR	NR	29 Nov 2010 08:5
2	1	1129F002.D	1.	PR		29 Nov 2010 09:3
3	2	1129F003.D	1.	2.5ug/mL DFTPP | SVM33-69F	70A LB 11/30/10	29 Nov 2010 10:3
4	3	1129F004.D	1.	3.0ug/mL CCV SVO_LL | SVM33-69F		29 Nov 2010 11:3
5	4	1129F005.D	1.	KWG1012791-03 | MB	NR bad injection	29 Nov 2010 12:1
6	4	1129F006.D	1.	KWG1012791-03 | MB		29 Nov 2010 13:0
7	5	1129F007.D	1.	KWG1012791-01 | LCS		29 Nov 2010 14:1
8	6	1129F008.D	1.	KWG1012791-02 | DLCS		29 Nov 2010 14:5
9	7	1129F009.D	1.	K1012914-029		29 Nov 2010 15:3
10	8	1129F010.D	1.	K1012914-030		29 Nov 2010 16:1
11	9	1129F011.D	1.	K1012914-031		29 Nov 2010 16:4
12	10	1129F012.D	10.	K1012358-014DIL 10X		29 Nov 2010 17:2
13	11	1129F013.D	1.	K1012358-018		29 Nov 2010 18:0
14	12	1129F014.D	1.	K1012358-019		29 Nov 2010 18:4
15	13	1129F015.D	1.	K1012358-026		29 Nov 2010 19:1
16	14	1129F016.D	25.	K1012358-020 25X		29 Nov 2010 19:5
17	15	1129F017.D	5.	K1012358-021 5X		29 Nov 2010 20:3
18	16	1129F018.D	50.	K1012358-022 50X		29 Nov 2010 21:1
19	17	1129F019.D	50.	K1012358-023 50X		29 Nov 2010 21:4
20	18	1129F020.D	100.	K1012358-024 100X		29 Nov 2010 22:2
21	19	1129F021.D	25.	K1012358-025 25X	NR outside window	29 Nov 2010 23:0
22	20	1129F022.D	1.	IB		29 Nov 2010 23:4
23	20	1129F023.D	1.	IB		30 Nov 2010 00:2
24	20	1129F024.D	1.	IB	NR	30 Nov 2010 00:5
25	20	1129F025.D	1.	IB		30 Nov 2010 01:3
26	21	1129F026.D	1.	DCM KEG TEST 11/24/10		30 Nov 2010 02:1

Run # 227170

CAL10053

LB 11/30/10

11/30/10

Table 2. Summary of Data Files Provided

	Laboratory Data packages	Laboratory Electronic Data Deliverables	Field Notes	Dates of Field Notes	Geographic Data Files
Remedial Investigation					
	E1001177 Final DB-XL.pdf	PLM CARB 435 -091010094 E1001177.zip			
	E1001178 Final DB-XL.pdf	E1001178.zip			
	E1001239 Final DB-XL.pdf	E1001239.zip			
	E1001240 FinalDB-XL.pdf	E1001240.zip			
	K1011254.pdf	K1011254.zip			
	K1011379.pdf	K1011379.zip			
	K1012248.pdf	K1012248.zip			
	K1012914.pdf	K1012914.zip			
	091010094 - Bench Sheets.pdf				
	091010094_coc.pdf				
	091010094a.pdf				
	e1001239 resultssummary.pdf				
	e1001240 resultssummary.pdf				
	K1012914 Cyanide.pdf	K1012914.01.zip			
	K1012914 metals.pdf	K1012914.01.zip			
	k1012914_PCBs.pdf	K1012914.01.zip			
	k1012914_Pesticides.pdf	K1012914.01.zip			
	k1012914_SVOCS.pdf	K1012914.01.zip			
	k1012914_TOC_TotalSoils.pdf	K1012914.01.zip			
	K1012914_VOCs.pdf	K1012914.01.zip			
		K1011128.zip			
		K1012252.zip			

Data files listed can be provided to USEPA, its partner agencies and Trustees upon request. Direct requests to Jennifer Sampson at jsampson@integral-corp.com or call 206-957-0351.

Table 2. Summary of Data Files Provided

	Laboratory Data packages	Laboratory Electronic Data Deliverables	Field Notes	Dates of Field Notes	Geographic Data Files
Remedial Investigation					
	E1001177 Final DB-XL.pdf	PLM CARB 435 -091010094 E1001177.zip			
	E1001178 Final DB-XL.pdf	E1001178.zip			
	E1001239 Final DB-XL.pdf	E1001239.zip			
	E1001240 FinalDB-XL.pdf	E1001240.zip			
	K1011254.pdf	K1011254.zip			
	K1011379.pdf	K1011379.zip			
	K1012248.pdf	K1012248.zip			
	K1012914.pdf	K1012914.zip			
	091010094 - Bench Sheets.pdf				
	091010094_coc.pdf				
	091010094a.pdf				
	e1001239 resultssummary.pdf				
	e1001240 resultssummary.pdf				
	K1012914 Cyanide.pdf	K1012914.01.zip			
	K1012914 metals.pdf	K1012914.01.zip			
	k1012914_PCBs.pdf	K1012914.01.zip			
	k1012914_Pesticides.pdf	K1012914.01.zip			
	k1012914_SVOCS.pdf	K1012914.01.zip			
	k1012914_TOC_TotalSoils.pdf	K1012914.01.zip			
	K1012914_VOCs.pdf	K1012914.01.zip			
		K1011128.zip			
		K1012252.zip			

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_r	upper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocvalue
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Asbestos	Asbestos	1332214	Asbestos	0.25	2	DryWt	percent	U	37
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Asbestos	NonAsbestos_%Fib		Non-Asbestos Percent Fibrous	0.25	2	DryWt	percent	U	37
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Asbestos	NonAsbestos_%Non		Non-Asbestos Percent Non-Fibrous	100	2	DryWt	percent		15000
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	9.28	3	DryWt	ng/kg		1380
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	0.833	3	DryWt	ng/kg	U	124
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.064	3	DryWt	ng/kg	U	9.54
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.0501	3	DryWt	ng/kg	U	7.47
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	0.95	3	DryWt	ng/kg	J	142
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.306	3	DryWt	ng/kg	U	45.6
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.265	3	DryWt	ng/kg	J	39.5
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.171	3	DryWt	ng/kg	U	25.5
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.0455	3	DryWt	ng/kg	U	6.78
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.216	3	DryWt	ng/kg	J	32.2
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.638	3	DryWt	ng/kg	J	95.1
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.0432	3	DryWt	ng/kg	U	6.44
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.455	3	DryWt	ng/kg	J	67.8
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	4.18	3	DryWt	ng/kg		623
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	16.1	3	DryWt	ng/kg		2400
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	32.1	3	DryWt	ng/kg		4780
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	1.39	3	DryWt	ng/kg	J	207
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	3.94	3	DryWt	ng/kg	J	587
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	1.64	3	DryWt	ng/kg	J	244
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	204	3	DryWt	ng/kg		30400
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	2.51	3	DryWt	ng/kg	J	374
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.216	3	DryWt	ng/kg	J	32.2
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	1.29	3	DryWt	ng/kg	J	192
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	4.67	3	DryWt	ng/kg		696
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	31.2	3	DryWt	ng/kg		4650
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Antimony	7440360	Antimony	3.5	3	DryWt	mg/kg	U	522
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Arsenic	7440382	Arsenic	0.98	2	DryWt	mg/kg	J	150
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Beryllium	7440417	Beryllium	0.2	3	DryWt	mg/kg	J	29.8
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Cadmium	7440439	Cadmium	0.029	3	DryWt	mg/kg	J	4.32
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Chromium	7440473	Chromium	2.43	3	DryWt	mg/kg		362
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Copper	7440508	Copper	2.7	3	DryWt	mg/kg		402
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Lead	7439921	Lead	4.7	3	DryWt	mg/kg	J	700
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Mercury	7439976	Mercury	0.005	3	DryWt	mg/kg	J	0.745
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Nickel	7440020	Nickel	2	3	DryWt	mg/kg	J	298
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Selenium	7782492	Selenium	4.7	3	DryWt	mg/kg	U	700
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Silver	7440224	Silver	0.5	3	DryWt	mg/kg	U	74.5
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Thallium	7440280	Thallium	3.5	3	DryWt	mg/kg	U	522
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Zinc	7440666	Zinc	24.1	3	DryWt	mg/kg		3590
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Acenaphthene	83329	Acenaphthene	2.8	3	DryWt	ug/kg	J	417
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Acenaphthylene	208968	Acenaphthylene	2.1	3	DryWt	ug/kg	J	313
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Anthracene	120127	Anthracene	6.4	3	DryWt	ug/kg		954
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	BzAAnthracene	56553	Benzo[a]anthracene	26	3	DryWt	ug/kg		3870
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	BzAPyrene	50328	Benzo[a]pyrene	30	3	DryWt	ug/kg		4470
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	BzBFluoranthene	205992	Benzo[b]fluoranthene	38	3	DryWt	ug/kg		5660
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	BzGhiPerylene	191242	Benzo[g,h,i]perylene	24	3	DryWt	ug/kg		3580
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	BzKFluoranthene	207089	Benzo[k]fluoranthene	14	3	DryWt	ug/kg		2090
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Chrysene	218019	Chrysene	28	3	DryWt	ug/kg		4170
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	DiBzAhAnthracene	53703	Dibenzo[a,h]anthracene	5.1	3	DryWt	ug/kg	J	760
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Fluoranthene	206440	Fluoranthene	51	3	DryWt	ug/kg		7600
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Fluorene	86737	Fluorene	2.3	3	DryWt	ug/kg	J	343
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Ind123CdPyrene	193395	Indeno[1,2,3-cd]pyrene	21	3	DryWt	ug/kg		3130
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Naphthalene	91203	Naphthalene	2.3	3	DryWt	ug/kg	U	343
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Phenanthrene	85018	Phenanthrene	26	3	DryWt	ug/kg		3870
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Pyrene	129000	Pyrene	41	3	DryWt	ug/kg		6110
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1016	12674112	Aroclor 1016	19	3	DryWt	ug/kg	U	2830
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1221	11104282	Aroclor 1221	19	3	DryWt	ug/kg	U	2830
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1232	11141165	Aroclor 1232	19	3	DryWt	ug/kg	U	2830
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1242	53469219	Aroclor 1242	19	3	DryWt	ug/kg	U	2830
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1248	12672296	Aroclor 1248	19	3	DryWt	ug/kg	U	2830
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1254	11097691	Aroclor 1254	19	3	DryWt	ug/kg	U	2830
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1260	11096825	Aroclor 1260	19	3	DryWt	ug/kg	U	2830
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1262	37324235	Aroclor 1262	19	3	DryWt	ug/kg	U	2830
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1268	11100144	Aroclor 1268	19	3	DryWt	ug/kg	U	2830
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	44DDD	72548	4,4'-DDD	1	3	DryWt	ug/kg	U	149
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	44DDE	72559	4,4'-DDE	1.6	3	DryWt	ug/kg	U	238
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	44DDT	50293	4,4'-DDT	0.85	3	DryWt	ug/kg	U	127
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Aldrin	309002	Aldrin	0.34	3	DryWt	ug/kg	U	50.7
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	alphaBHC	319846	alpha-Benzenehexachloride	0.35	3	DryWt	ug/kg	U	52.2
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	betaBHC	319857	beta-Benzenehexachloride	0.5	3	DryWt	ug/kg	U	74.5
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	deltaBHC	319868	delta-Benzenehexachloride	0.37	3	DryWt	ug/kg	U	55.1
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Dieldrin	60571	Dieldrin	0.48	3	DryWt	ug/kg	U	71.5
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Endosulfan_I	959988	Endosulfan I	1.7	3	DryWt	ug/kg	U	253
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Endosulfan_II	33213659	Endosulfan II	0.86	3	DryWt	ug/kg	U	128
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	EndosulfanSulf	1031078	Endosulfan sulfate	0.57	3	DryWt	ug/kg	U	84.9
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Endrin	72208	Endrin	0.45	3	DryWt	ug/kg	U	67.1
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Endrin aldehyde	7421934	Endrin aldehyde	1.4	3	DryWt	ug/kg	U	209
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	gammaBHC	58899	gamma-Benzenehexachloride	0.45	3	DryWt	ug/kg	U	67.1
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Heptachlor	76448	Heptachlor	0.83	3	DryWt	ug/kg	U	124
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	HeptachorEpox	1024573	Heptachlor epoxide	0.39	3	DryWt	ug/kg	U	58.1
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	TotChlordane	57749	Chlordane	22	3	DryWt	ug/kg	U	3280
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Toxaphene	8001352	Toxaphene	37	3	DryWt	ug/kg	U	5510
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.671	3	DryWt	percent		
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Cyanide		Cyanide	0.07	3	DryWt	mg/kg	U	10.4
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Solids		Solids	84	3	WetWt	percent		
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	124TrClBenzene	120821	1,2,4-Trichlorobenzene	0.27	3	DryWt	ug/kg	U	40.2
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	12DClBenzene	95501	1,2-Dichlorobenzene	0.26	3	DryWt	ug/kg	U	38.7
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	13DClBenzene	541731	1,3-Dichlorobenzene	0.28	3	DryWt	ug/kg	U	41.7
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	14DClBenzene	106467	1,4-Dichlorobenzene	0.3	3	DryWt	ug/kg	U	44.7
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	22OxyBis1ClProp	108601	2,2'-oxybis(1-Chloropropane)	2.6	3	DryWt	ug/kg	U	387
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	246TrClPhenol	88062	2,4,6-Trichlorophenol	1.4	3	DryWt	ug/kg	U	209
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	24DClPhenol	120832	2,4-Dichlorophenol	1	3	DryWt	ug/kg	U	149
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	24DiMePhenol	105679	2,4-Dimethylphenol	5.5	3	DryWt	ug/kg	U	820
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	24DiNiPhenol	51285	2,4-Dinitrophenol	17	3	DryWt	ug/kg	U	2530
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	24DiNiToluene	121142	2,4-Dinitrotoluene	1.5	3	DryWt	ug/kg	U	224
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	26DNiToluene	606202	2,6-Dinitrotoluene	2	3	DryWt	ug/kg	U	298
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	2ClNaphthalene	91587	2-Chloronaphthalene	1.6	3	DryWt	ug/kg	U	238
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	2ClPhenol	95578	2-Chlorophenol	2	3	DryWt	ug/kg	U	298
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	2NiPhenol	88755	2-Nitrophenol	1.5	3	DryWt	ug/kg	U	224
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	33DClBenzidine	91941	3,3'-Dichlorobenzidine	3.7	3	DryWt	ug/kg	U	551
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	46DNi2MePhenol	534521	4,6-Dinitro-2-methylphenol	1.4	3	DryWt	ug/kg	U	209
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	4BrPhPhEther	101553	4-Bromophenyl-phenylether	1.6	3	DryWt	ug/kg	U	238
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	4Cl3MePhenol	59507	4-Chloro-3-methylphenol	1.4	3	DryWt	ug/kg	U	209
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	4ClPhPhEther	7005723	4-Chlorophenyl-phenyl ether	1.4	3	DryWt	ug/kg	U	209
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	4NiPhenol	100027	4-Nitrophenol	18	3	DryWt	ug/kg	U	2680
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	bs2ClEtOxEther	111444	Bis(2-chloroethyl)ether	1.9	3	DryWt	ug/kg	U	283
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	bs2ClEtOxMethane	111911	bis(2-Chloroethoxy)methane	1.5	3	DryWt	ug/kg	U	224
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	bs2EtHxPhthalate	117817	bis(2-Ethylhexyl)phthalate	7	3	DryWt	ug/kg	U	1040
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	BzNButPhthalate	85687	Benzyl n-butyl phthalate	3.2	3	DryWt	ug/kg	U	477
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	DEtPhthalate	84662	Diethyl phthalate	3.4	3	DryWt	ug/kg	J	507
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	DiMePhthalate	131113	Dimethyl phthalate	38	3	DryWt	ug/kg		5660
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	DiNButPhthalate	84742	Di-n-butyl phthalate	7.9	3	DryWt	ug/kg	U	1180
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	DiNOctPhthalate	117840	Di-n-octylphthalate	1.7	3	DryWt	ug/kg	U	253
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	Hexachloroethane	67721	Hexachloroethane	3.1	3	DryWt	ug/kg	U	462
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	HxClBenzene	118741	Hexachlorobenzene	1.2	3	DryWt	ug/kg	U	179
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	HxClButadiene	87683	Hexachlorobutadiene	2.5	3	DryWt	ug/kg	U	373
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	HxClCycPenDiene	77474	Hexachlorocyclopentadiene	29	3	DryWt	ug/kg	U	4320
TCRA_BSS	SITS001

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_r	upper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocnvalue
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Volatiles	trans13DiClPrope	10061026	trans-1,3-Dichloropropene	0.4	3	DryWt	ug/kg	U	59.6
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		0	15.24	cm	Soil	Volatiles	VinylCl	75014	Vinyl Chloride	0.37	3	DryWt	ug/kg	U	55.1
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Asbestos	Asbestos	1332214	Asbestos	0.25	2	DryWt	percent	U	34
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Asbestos	NonAsbestos_%Fib		Non-Asbestos Percent Fibrous	0.25	2	DryWt	percent	U	34
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Asbestos	NonAsbestos_%Non		Non-Asbestos Percent Non-Fibrous	100	2	DryWt	percent		14000
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	16.6	3	DryWt	ng/kg		2240
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	1.86	3	DryWt	ng/kg	J	251
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.177	3	DryWt	ng/kg	U	23.9
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.09844	3	DryWt	ng/kg	U	13.3
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	1.29	3	DryWt	ng/kg	J	174
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.457	3	DryWt	ng/kg	J	61.8
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.296	3	DryWt	ng/kg	J	40
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.432	3	DryWt	ng/kg	J	58.4
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.0784	3	DryWt	ng/kg	U	10.6
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.122	3	DryWt	ng/kg	U	16.5
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.708	3	DryWt	ng/kg	J	95.7
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.0709	3	DryWt	ng/kg	U	9.58
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.476	3	DryWt	ng/kg	U	64.3
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	3.13	3	DryWt	ng/kg		423
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	12.1	3	DryWt	ng/kg		1640
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	43.9	3	DryWt	ng/kg		5930
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	5.67	3	DryWt	ng/kg		766
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	6.47	3	DryWt	ng/kg		874
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	4.07	3	DryWt	ng/kg	J	550
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	393	3	DryWt	ng/kg		53100
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	5.31	3	DryWt	ng/kg	J	718
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	PeCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.507	3	DryWt	ng/kg	J	68.5
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	PeCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	3.52	3	DryWt	ng/kg	J	476
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	3.75	3	DryWt	ng/kg		507
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	27.8	3	DryWt	ng/kg		3760
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Antimony	7440360	Antimony	3.3	3	DryWt	mg/kg	U	446
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Arsenic	7440382	Arsenic	0.92	3	DryWt	mg/kg	J	124
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Beryllium	7440417	Beryllium	0.15	3	DryWt	mg/kg	J	20.3
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Cadmium	7440439	Cadmium	0.04	3	DryWt	mg/kg	J	5.41
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Chromium	7440473	Chromium	2.91	3	DryWt	mg/kg		393
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Copper	7440508	Copper	1.6	3	DryWt	mg/kg	J	216
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Lead	7439921	Lead	3.3	3	DryWt	mg/kg	U	446
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Mercury	7439976	Mercury	0.006	3	DryWt	mg/kg	J	0.811
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Nickel	7440020	Nickel	1.8	3	DryWt	mg/kg	J	243
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Selenium	7782492	Selenium	4.5	3	DryWt	mg/kg	U	608
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Silver	7440224	Silver	0.5	3	DryWt	mg/kg	U	67.6
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Thallium	7440280	Thallium	4.7	3	DryWt	mg/kg	J	635
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Metals	Zinc	7440666	Zinc	12.6	3	DryWt	mg/kg		1700
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	Acenaphthene	83329	Acenaphthene	14	3	DryWt	ug/kg	U	1890
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	Acenaphthylene	208968	Acenaphthylene	12	3	DryWt	ug/kg	U	1620
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	Anthracene	120127	Anthracene	16	3	DryWt	ug/kg	U	2160
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	BzAAnthracene	56553	Benzo[a]anthracene	18	3	DryWt	ug/kg	J	2430
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	BzAPyrene	50328	Benzo[a]pyrene	28	3	DryWt	ug/kg	J	3780
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	BzBFluoranthene	205992	Benzo[b]fluoranthene	30	3	DryWt	ug/kg	J	4050
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	BzGhiPerylene	191242	Benzo[g,h,i]perylene	15	3	DryWt	ug/kg	U	2030
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	BzKFluoranthene	207089	Benzo[k]fluoranthene	14	3	DryWt	ug/kg	U	1890
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	Chrysene	218019	Chrysene	15	3	DryWt	ug/kg	U	2030
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	DiBzAhAnthracene	53703	Dibenzo[a,h]anthracene	15	3	DryWt	ug/kg	U	2030
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	Fluoranthene	206440	Fluoranthene	29	3	DryWt	ug/kg	J	3920
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	Fluorene	86737	Fluorene	11	3	DryWt	ug/kg	U	1490
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	Ind123CdPyrene	193395	Indeno[1,2,3-cd]pyrene	15	3	DryWt	ug/kg	U	2030
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	Naphthalene	91203	Naphthalene	23	3	DryWt	ug/kg	U	3110
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	Phenanthrene	85018	Phenanthrene	14	3	DryWt	ug/kg	U	1890
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PAH	Pyrene	129000	Pyrene	33	3	DryWt	ug/kg	J	4460
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PCBs	Aroclor 1016	12674112	Aroclor 1016	19	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PCBs	Aroclor 1221	11104282	Aroclor 1221	19	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PCBs	Aroclor 1232	11141165	Aroclor 1232	19	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PCBs	Aroclor 1242	53469219	Aroclor 1242	19	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PCBs	Aroclor 1248	12672296	Aroclor 1248	19	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PCBs	Aroclor 1254	11097691	Aroclor 1254	19	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PCBs	Aroclor 1260	11096825	Aroclor 1260	19	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PCBs	Aroclor 1262	37324235	Aroclor 1262	19	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PCBs	Aroclor 1268	11100144	Aroclor 1268	19	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	44DDD	72548	4,4'-DDD	1	3	DryWt	ug/kg	U	135
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	44DDE	72559	4,4'-DDE	1.6	3	DryWt	ug/kg	U	216
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	44DDT	50293	4,4'-DDT	0.87	3	DryWt	ug/kg	J	118
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	Aldrin	309002	Aldrin	0.34	3	DryWt	ug/kg	U	45.9
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	alphaBHC	319846	alpha-Benzenehexachloride	0.35	3	DryWt	ug/kg	U	47.3
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	betaBHC	319857	beta-Benzenehexachloride	0.5	3	DryWt	ug/kg	U	67.6
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	deltaBHC	319868	delta-Benzenehexachloride	0.37	3	DryWt	ug/kg	U	50
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	Dieldrin	60571	Dieldrin	0.48	3	DryWt	ug/kg	U	64.9
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	Endosulfan_I	959988	Endosulfan I	1.7	3	DryWt	ug/kg	U	230
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	Endosulfan_II	33213659	Endosulfan II	0.86	3	DryWt	ug/kg	U	116
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	EndosulfanSulf	1031078	Endosulfan sulfate	0.57	3	DryWt	ug/kg	U	77
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	Endrin	72208	Endrin	0.45	3	DryWt	ug/kg	U	60.8
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	Endrin aldehyde	7421934	Endrin aldehyde	1.4	3	DryWt	ug/kg	U	189
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	gammaBHC	58899	gamma-Benzenehexachloride	0.45	3	DryWt	ug/kg	U	60.8
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	Heptachlor	76448	Heptachlor	0.83	3	DryWt	ug/kg	U	112
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	HeptachorEpox	1024573	Heptachlor epoxide	0.39	3	DryWt	ug/kg	U	52.7
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	TotChlordane	57749	Chlordane	22	3	DryWt	ug/kg	U	2970
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Pesticides	Toxaphene	8001352	Toxaphene	37	3	DryWt	ug/kg	U	5000
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.74	3	DryWt	percent		
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PhysChem	Cyanide		Cyanide	0.07	3	DryWt	mg/kg	U	9.46
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	PhysChem	Solids		Solids	88.2	3	WetWt	percent		
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	124TrClBenzene	120821	1,2,4-Trichlorobenzene	0.26	3	DryWt	ug/kg	U	35.1
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	12DiClBenzene	95501	1,2-Dichlorobenzene	0.25	3	DryWt	ug/kg	U	33.8
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	13DiClBenzene	541731	1,3-Dichlorobenzene	0.27	3	DryWt	ug/kg	U	36.5
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	14DiClBenzene	106467	1,4-Dichlorobenzene	0.28	3	DryWt	ug/kg	U	37.8
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	22DiClBiSCProp	108601	2,2'-oxybis(1-Chloropropane)	26	3	DryWt	ug/kg	U	3510
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	246TrClPhenol	88062	2,4,6-Trichlorophenol	14	3	DryWt	ug/kg	U	1890
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	24DiClPhenol	120832	2,4-Dichlorophenol	10	3	DryWt	ug/kg	U	1350
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	24DiMePhenol	105679	2,4-Dimethylphenol	55	3	DryWt	ug/kg	U	7430
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	24DiNiPhenol	51285	2,4-Dinitrophenol	170	3	DryWt	ug/kg	U	23000
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	24DiNiToluene	121142	2,4-Dinitrotoluene	15	3	DryWt	ug/kg	U	2030
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	26DiNiToluene	606202	2,6-Dinitrotoluene	20	3	DryWt	ug/kg	U	2700
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	2ClNaphthalene	91587	2-Chloronaphthalene	16	3	DryWt	ug/kg	U	2160
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	2ClPhenol	95578	2-Chlorophenol	20	3	DryWt	ug/kg	U	2700
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	2NiPhenol	88755	2-Nitrophenol	15	3	DryWt	ug/kg	U	2030
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	33DiClBenzidine	91941	3,3'-Dichlorobenzidine	37	3	DryWt	ug/kg	U	5000
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	46DiNi2MePhenol	534521	4,6-Dinitro-2-methylphenol	14	3	DryWt	ug/kg	U	1890
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	4BrPhPhEther	101553	4-Bromophenyl-phenylether	16	3	DryWt	ug/kg	U	2160
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	4Cl3MePhenol	59507	4-Chloro-3-methylphenol	14	3	DryWt	ug/kg	U	1890
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	4ClPhPhEther	7005723	4-Chlorophenyl-phenyl ether	14	3	DryWt	ug/kg	U	1890
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	4NiPhenol	100027	4-Nitrophenol	180	3	DryWt	ug/kg	U	24300
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	bs2ClEtOxEther	111444	Bis(2-chloroethyl)ether	19	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	bs2ClEtOxMethane	111911	bis(2-Chloroethoxy)methane	15	3	DryWt	ug/kg	U	2030
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	bs2EtHxPhthalate	117817	bis(2-Ethylhexyl)phthalate	70	3	DryWt	ug/kg	U	9460
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	BzNButPhthalate	85687	Benzyl n-butyl phthalate	32	3	DryWt	ug/kg	U	4320
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	DiEtPhthalate	84662	Diethyl phthalate	13	3	DryWt	ug/kg	U	1760
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	DiMePhthalate	131113	Dimethyl phthalate	25	3	DryWt	ug/kg	J	3380
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	DiNButPhthalate	84742	Di-n-butyl phthalate	79	3	DryWt	ug/kg	U	10700
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	SemiVolati	DiNOctPhthalate	117840	Di-n-octylphthalate	17	3	DryWt	ug/kg	U	2300
TCRA_BSS	SITS001	SITS001	3215787.5	1385840.7	2278 t	11/

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_r	upper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocvalue
TCRA_BSS	SITS001	SITS001	3215787.5	13858407.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Volatiles	TotTriClethene	79016	Trichloroethene	0.31	3	DryWt	ug/kg	U	41.9
TCRA_BSS	SITS001	SITS001	3215787.5	13858407.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Volatiles	trans12DiClEthe	156605	trans-1,2-Dichloroethene	0.4	3	DryWt	ug/kg	U	54.1
TCRA_BSS	SITS001	SITS001	3215787.5	13858407.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Volatiles	trans13DiClPrope	10061026	trans-1,3-Dichloropropene	0.39	3	DryWt	ug/kg	U	52.7
TCRA_BSS	SITS001	SITS001	3215787.5	13858407.7	2278 t	11/15/2010		15.24	30.48	cm	Soil	Volatiles	VinylCl	75014	Vinyl Chloride	0.35	3	DryWt	ug/kg	U	47.3
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	42.7	3	DryWt	ng/kg		968
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	5.47	3	DryWt	ng/kg		124
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.448	3	DryWt	ng/kg	U	10.2
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.317	3	DryWt	ng/kg	U	7.19
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	2.18	3	DryWt	ng/kg	J	49.4
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.29	3	DryWt	ng/kg	J	29.3
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.642	3	DryWt	ng/kg	J	14.6
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.14	3	DryWt	ng/kg	J	25.9
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.0918	3	DryWt	ng/kg	U	2.08
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.221	3	DryWt	ng/kg	J	5.01
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.641	3	DryWt	ng/kg	U	14.5
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.408	3	DryWt	ng/kg	J	9.25
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.451	3	DryWt	ng/kg	U	10.2
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	3.61	3	DryWt	ng/kg		81.9
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	13.4	3	DryWt	ng/kg		304
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HpClDiBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	126	3	DryWt	ng/kg		2860
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HpClDiBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	15.1	3	DryWt	ng/kg		342
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HxClDiBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	14.3	3	DryWt	ng/kg		324
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HxClDiBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	8.93	3	DryWt	ng/kg		202
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctClDiBzDioxin	3268879	Octachlorodibenzo-p-dioxin	923	3	DryWt	ng/kg		20900
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctClDiBzFuran	39001020	Octachlorodibenzo-p-furan	23.1	3	DryWt	ng/kg		524
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenClDiBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	1.15	3	DryWt	ng/kg	J	26.1
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenClDiBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	2.11	3	DryWt	ng/kg	J	47.8
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetClDiBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	3.97	3	DryWt	ng/kg		90
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetClDiBzFuran	30402143	Tetrachlorodibenzofuran (Total)	23.8	3	DryWt	ng/kg		540
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Carbon_org		Organic carbon	4.41	3	DryWt	percent		
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Solids		Solids	87	3	WetWt	percent		
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	18.4	3	DryWt	ng/kg	J	418
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	17.9	3	DryWt	ng/kg	J	405
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	18.1	3	DryWt	ng/kg	J	411
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	5.47	3	DryWt	ng/kg	J	124
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	5.04	3	DryWt	ng/kg	J	114
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	5.26	3	DryWt	ng/kg	J	119
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	6.7	3	DryWt	ng/kg	J	152
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	6.5	3	DryWt	ng/kg	J	147
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	6.6	3	DryWt	ng/kg	J	150
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	5.92	3	DryWt	ng/kg	J	134
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	5.63	3	DryWt	ng/kg	J	128
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	5.78	3	DryWt	ng/kg	J	131
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	130	3	DryWt	ng/kg		24700
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	15.4	3	DryWt	ng/kg		2920
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	1.7	3	DryWt	ng/kg	J	323
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.88	3	DryWt	ng/kg	J	167
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	1.64	3	DryWt	ng/kg	J	311
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	3.27	3	DryWt	ng/kg	J	620
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.766	3	DryWt	ng/kg	J	145
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.94	3	DryWt	ng/kg	U	368
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.0619	3	DryWt	ng/kg	U	11.7
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.336	3	DryWt	ng/kg	J	63.8
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.462	3	DryWt	ng/kg	U	87.7
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.776	3	DryWt	ng/kg	J	147
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.475	3	DryWt	ng/kg	J	90.1
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	2.35	3	DryWt	ng/kg		446
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	9.85	3	DryWt	ng/kg		1870
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HpClDiBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	271	3	DryWt	ng/kg		51400
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HpClDiBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	60.5	3	DryWt	ng/kg		11500
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HxClDiBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	19.7	3	DryWt	ng/kg		3740
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HxClDiBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	18.9	3	DryWt	ng/kg		3590
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	OctClDiBzDioxin	3268879	Octachlorodibenzo-p-dioxin	1580	3	DryWt	ng/kg		300000
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	OctClDiBzFuran	39001020	Octachlorodibenzo-p-furan	64.3	3	DryWt	ng/kg		12200
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	PenClDiBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	1.53	3	DryWt	ng/kg	J	290
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	PenClDiBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	4.66	3	DryWt	ng/kg	J	884
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	TetClDiBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	2.58	3	DryWt	ng/kg		490
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	TetClDiBzFuran	30402143	Tetrachlorodibenzofuran (Total)	17.6	3	DryWt	ng/kg		3340
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.527	3	DryWt	percent		
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	PhysChem	Solids		Solids	90	3	WetWt	percent		
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	14.1	3	DryWt	ng/kg	J	2680
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	13.9	3	DryWt	ng/kg	J	2630
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	14	3	DryWt	ng/kg	J	2660
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	4.72	3	DryWt	ng/kg	J	896
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	4.67	3	DryWt	ng/kg	J	887
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	4.7	3	DryWt	ng/kg	J	891
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	6.73	3	DryWt	ng/kg	J	1280
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	6.51	3	DryWt	ng/kg	J	1240
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	6.62	3	DryWt	ng/kg	J	1260
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	4.7	3	DryWt	ng/kg	J	891
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	4.47	3	DryWt	ng/kg	J	849
TCRA_BSS	SITS002	SITS002	3215772.6	13858232.2	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	4.59	3	DryWt	ng/kg	J	870
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	4.3	3	DryWt	ng/kg	J	4260
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	0.281	3	DryWt	ng/kg	U	278
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.0659	3	DryWt	ng/kg	U	65.2
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.0802	3	DryWt	ng/kg	J	79.4
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	0.448	3	DryWt	ng/kg	J	444
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.151	3	DryWt	ng/kg	U	150
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.101	3	DryWt	ng/kg	U	100
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.182	3	DryWt	ng/kg	U	180
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.0496	3	DryWt	ng/kg	U	49.1
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.0359	3	DryWt	ng/kg	U	35.5
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.277	3	DryWt	ng/kg	J	274
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.0417	3	DryWt	ng/kg	U	41.3
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.248	3	DryWt	ng/kg	J	246
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.9	3	DryWt	ng/kg	U	1880
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	9.08	3	DryWt	ng/kg		8990
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HpClDiBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	13.4	3	DryWt	ng/kg		13300
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HpClDiBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	0.548	3	DryWt	ng/kg	J	543
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HxClDiBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	2.89	3	DryWt	ng/kg	J	2860
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HxClDiBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	0.621	3	DryWt	ng/kg	J	615
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctClDiBzDioxin	3268879	Octachlorodibenzo-p-dioxin	120	3	DryWt	ng/kg		119000
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctClDiBzFuran	39001020	Octachlorodibenzo-p-furan	1.05	3	DryWt	ng/kg	J	1040
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenClDiBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.0359	3	DryWt	ng/kg	U	35.5
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenClDiBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	0.524	3	DryWt	ng/kg	J	519
TCRA_BSS	SITS003	SITS003	3215791.6	13858111.5	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetClDiBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.464	3	DryWt	ng/kg	J	459
TCRA_BSS	SITS003	SITS003	3215791.6	13858111

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_r	upper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocvalue
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.215	3	DryWt	ng/kg	U	102
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.22	3	DryWt	ng/kg	J	578
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.105	3	DryWt	ng/kg	U	49.8
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.15	3	DryWt	ng/kg	U	71.1
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.191	3	DryWt	ng/kg	J	90.5
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.347	3	DryWt	ng/kg	J	164
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.271	3	DryWt	ng/kg	U	128
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.158	3	DryWt	ng/kg	U	74.9
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	0.592	3	DryWt	ng/kg	J	281
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	108	3	DryWt	ng/kg		51200
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	9.38	3	DryWt	ng/kg		4450
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	12.6	3	DryWt	ng/kg		5970
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	5.9	3	DryWt	ng/kg		2800
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	3930	3	DryWt	ng/kg		1860000
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	9.15	3	DryWt	ng/kg	J	4340
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		PenCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.951	3	DryWt	ng/kg	J	451
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		PenCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	7.97	3	DryWt	ng/kg		3780
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.589	3	DryWt	ng/kg	J	279
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	2.05	3	DryWt	ng/kg		972
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	PhysChem		Carbon_org		Organic carbon	0.211	3	DryWt	percent		
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	PhysChem		Solids		Solids	88.2	3	WetWt	percent		
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	1.93	3	DryWt	ng/kg	J	913
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	1.31	3	DryWt	ng/kg	J	620
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	1.62	3	DryWt	ng/kg	J	766
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	1.28	3	DryWt	ng/kg	J	608
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	0.798	3	DryWt	ng/kg	J	378
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	1.04	3	DryWt	ng/kg	J	493
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	2.46	3	DryWt	ng/kg	J	1170
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	1.95	3	DryWt	ng/kg	J	925
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	2.21	3	DryWt	ng/kg	J	1050
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	0.797	3	DryWt	ng/kg	J	378
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	0.311	3	DryWt	ng/kg	J	147
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	0.554	3	DryWt	ng/kg	J	262
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	29.4	3	DryWt	ng/kg	J	4450
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	2.9	3	DryWt	ng/kg	J	439
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.296	3	DryWt	ng/kg	J	44.8
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.225	3	DryWt	ng/kg	U	34.1
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	0.346	3	DryWt	ng/kg	U	52.4
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.705	3	DryWt	ng/kg	J	107
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.252	3	DryWt	ng/kg	J	38.2
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.858	3	DryWt	ng/kg	J	130
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.0981	3	DryWt	ng/kg	U	14.9
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.139	3	DryWt	ng/kg	J	21.1
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.0952	3	DryWt	ng/kg	U	14.4
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.106	3	DryWt	ng/kg	U	16.1
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.264	3	DryWt	ng/kg	J	40
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.299	3	DryWt	ng/kg	J	45.3
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	1.01	3	DryWt	ng/kg	J	153
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	77.2	3	DryWt	ng/kg		11700
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	8.47	3	DryWt	ng/kg		1280
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	10.5	3	DryWt	ng/kg		1590
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	4.76	3	DryWt	ng/kg	J	721
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	1580	3	DryWt	ng/kg		238000
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	8.86	3	DryWt	ng/kg	J	1340
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		PenCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	1.17	3	DryWt	ng/kg	J	177
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		PenCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	3.22	3	DryWt	ng/kg	J	488
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.859	3	DryWt	ng/kg	J	130
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	2.94	3	DryWt	ng/kg		445
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	PhysChem		Carbon_org		Organic carbon	0.66	3	DryWt	percent		
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	PhysChem		Solids		Solids	78.4	3	WetWt	percent		
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	2.13	3	DryWt	ng/kg	J	322
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	2.05	3	DryWt	ng/kg	J	311
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	2.09	3	DryWt	ng/kg	J	316
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	1.05	3	DryWt	ng/kg	J	160
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	0.882	3	DryWt	ng/kg	J	134
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	0.968	3	DryWt	ng/kg	J	147
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	1.68	3	DryWt	ng/kg	J	255
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	1.6	3	DryWt	ng/kg	J	243
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	1.64	3	DryWt	ng/kg	J	249
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	0.865	3	DryWt	ng/kg	J	131
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	0.783	3	DryWt	ng/kg	J	119
TCRA_BSS	SITS004	SITS004	3215638.5	13858341.2	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ		TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	0.824	3	DryWt	ng/kg	J	125
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Asbestos		Asbestos	1332214	Asbestos	0.25	2	DryWt	percent	U	76
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Asbestos		NonAsbestos_%Fib		Non-Asbestos Percent Fibrous	0.25	2	DryWt	percent	U	76
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Asbestos		NonAsbestos_%Non		Non-Asbestos Percent Non-Fibrous	100	2	DryWt	percent		30000
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	14	3	DryWt	ng/kg		4240
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	1.86	3	DryWt	ng/kg	J	564
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.0649	3	DryWt	ng/kg	U	19.7
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.103	3	DryWt	ng/kg	U	31.2
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	0.452	3	DryWt	ng/kg	J	137
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.381	3	DryWt	ng/kg	J	115
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.0681	3	DryWt	ng/kg	U	20.6
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.333	3	DryWt	ng/kg	J	101
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.079	3	DryWt	ng/kg	U	23.9
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.0984	3	DryWt	ng/kg	U	29.8
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.21	3	DryWt	ng/kg	U	63.6
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.233	3	DryWt	ng/kg	J	70.6
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.111	3	DryWt	ng/kg	U	33.6
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.28	3	DryWt	ng/kg		388
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	5.18	3	DryWt	ng/kg		1570
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	36.8	3	DryWt	ng/kg		11200
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	5.81	3	DryWt	ng/kg		1760
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	4.88	3	DryWt	ng/kg	J	1480
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	2.99	3	DryWt	ng/kg	J	906
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	416	3	DryWt	ng/kg		126000
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	5.14	3	DryWt	ng/kg	J	1560
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		PenCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.431	3	DryWt	ng/kg	J	131
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		PenCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	2.72	3	DryWt	ng/kg	J	824
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	1.57	3	DryWt	ng/kg		476
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura		TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	8.56	3	DryWt	ng/kg		2590
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Metals		Antimony	7440360	Antimony	3.5	3	DryWt	mg/kg	U	1060
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Metals		Arsenic	7440382	Arsenic	1.95	3	DryWt	mg/kg		591
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Metals		Beryllium	7440417	Beryllium	0.17	3	DryWt	mg/kg	J	51.5
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Metals		Cadmium	7440439	Cadmium	0.045	3	DryWt	mg/kg	J	13.6
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Metals		Chromium	7440473	Chromium	3.57	3	DryWt	mg/kg		1080
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Metals		Copper	7440508	Copper	2.9	3	DryWt	mg/kg		879
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Metals		Lead	7439921	Lead	3.5	3	DryWt	mg/kg	U	1060
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Metals		Mercury	7439976	Mercury	0.011	3	DryWt	mg/kg	J	3.33
TCRA_BSS

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_r	upper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocvalue
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		24DiMePhenol	105679	2,4-Dimethylphenol	5.5	3	DryWt	ug/kg	U	1670
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		24DiNiPhenol	51285	2,4-Dinitrophenol	17	3	DryWt	ug/kg	U	5150
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		24DiNiToluene	121142	2,4-Dinitrotoluene	1.5	3	DryWt	ug/kg	U	455
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		26DiNiToluene	606202	2,6-Dinitrotoluene	2	3	DryWt	ug/kg	U	606
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		2CNaphthalene	91587	2-Chloronaphthalene	1.6	3	DryWt	ug/kg	U	485
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		2CPhenol	95578	2-Chlorophenol	2	3	DryWt	ug/kg	U	606
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		2NiPhenol	88755	2-Nitrophenol	1.5	3	DryWt	ug/kg	U	455
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		33DiClBenzidine	91941	3,3'-Dichlorobenzidine	3.7	3	DryWt	ug/kg	U	1120
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		46DiN2MePhenol	534521	4,6-Dinitro-2-methylphenol	1.4	3	DryWt	ug/kg	U	424
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		4BrPhPhEther	101553	4-Bromophenyl-phenylether	1.6	3	DryWt	ug/kg	U	485
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		4Cl3MePhenol	59507	4-Chloro-3-methylphenol	1.4	3	DryWt	ug/kg	U	424
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		4ClPhPhEther	7005723	4-Chlorophenyl-phenyl ether	1.4	3	DryWt	ug/kg	U	424
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		4NiPhenol	100027	4-Nitrophenol	18	3	DryWt	ug/kg	U	5450
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		bs2ClEtOxEther	111444	Bis(2-chloroethyl)ether	1.9	3	DryWt	ug/kg	U	576
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		bs2ClEtOxMethane	111911	bis(2-Chloroethoxy)methane	1.5	3	DryWt	ug/kg	U	455
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		bs2EtHxPhthalate	117817	bis(2-Ethylhexyl)phthalate	7.4	3	DryWt	ug/kg	J	2240
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		BzNButPhthalate	85687	Benzyl n-butyl phthalate	3.2	3	DryWt	ug/kg	U	970
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		DiEtPhthalate	84662	Diethyl phthalate	1.3	3	DryWt	ug/kg	U	394
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		DiMePhthalate	131113	Dimethyl phthalate	75	3	DryWt	ug/kg		22700
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		DiNButPhthalate	84742	Di-n-butyl phthalate	7.9	3	DryWt	ug/kg	U	2390
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		DiNOctPhthalate	117840	Di-n-octylphthalate	1.7	3	DryWt	ug/kg	U	515
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		Hexachloroethane	67721	Hexachloroethane	3.1	3	DryWt	ug/kg	U	939
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		HxClBenzene	118741	Hexachlorobenzene	1.2	3	DryWt	ug/kg	U	364
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		HxClButadiene	87683	Hexachlorobutadiene	2.5	3	DryWt	ug/kg	U	758
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		HxClCyc-PenDiene	77474	Hexachlorocyclopentadiene	29	3	DryWt	ug/kg	U	8790
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		Isophorone	78591	Isophorone	1	3	DryWt	ug/kg	U	303
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		Nitrobenzene	98953	Nitrobenzene	2.2	3	DryWt	ug/kg	U	667
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		NNitDiMeAmine	62759	N-Nitrosodimethylamine	6.1	3	DryWt	ug/kg	U	1850
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		NNitDiNPropAmine	621647	N-Nitrosodi-n-propylamine	2.4	3	DryWt	ug/kg	U	727
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		NNitDiPhenAmine	86306	N-Nitrosodiphenylamine	1.6	3	DryWt	ug/kg	U	485
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		PenClPhenol	87865	Pentachlorophenol	20	3	DryWt	ug/kg	U	6060
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	SemiVolati		Phenol	108952	Phenol	2	3	DryWt	ug/kg	U	606
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	6.89	3	DryWt	ng/kg	J	2090
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	6.64	3	DryWt	ng/kg	J	2010
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	6.77	3	DryWt	ng/kg	J	2050
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	1.92	3	DryWt	ng/kg	J	582
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	1.69	3	DryWt	ng/kg	J	512
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	1.8	3	DryWt	ng/kg	J	547
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	2.39	3	DryWt	ng/kg	J	723
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	2.22	3	DryWt	ng/kg	J	674
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	2.3	3	DryWt	ng/kg	J	698
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	2.08	3	DryWt	ng/kg	J	630
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	1.94	3	DryWt	ng/kg	J	587
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ		TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	2.01	3	DryWt	ng/kg	J	608
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		111TriClEth	71556	1,1,1-Trichloroethane	0.41	3	DryWt	ug/kg	U	124
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		1122TetraClEth	79345	1,1,2,2-Tetrachloroethane	0.42	3	DryWt	ug/kg	U	127
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		112TriClEth	79005	1,1,2-Trichloroethane	0.27	3	DryWt	ug/kg	U	81.8
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		11DiClEth	75343	1,1-Dichloroethane	0.24	3	DryWt	ug/kg	U	72.7
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		11DiClEthe	75354	1,1-Dichloroethene	0.27	3	DryWt	ug/kg	U	81.8
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		12DiClEth	107062	1,2-Dichloroethane	0.18	3	DryWt	ug/kg	U	54.5
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		12DiClProp	78875	1,2-Dichloropropane	0.26	3	DryWt	ug/kg	U	78.8
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		2ClEtOxEthe	110758	2-Chloroethoxy ethene	0.56	3	DryWt	ug/kg	U	170
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		Acrolein	107028	Acrolein	3	3	DryWt	ug/kg	U	909
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		Acrylonitrile	107131	Acrylonitrile	1.4	3	DryWt	ug/kg	U	424
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		Azobenzene	103333	Azobenzene	1.1	3	DryWt	ug/kg	U	333
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		Benzene	71432	Benzene	0.26	3	DryWt	ug/kg	U	78.8
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		BrDiClMeth	75274	Bromodichloromethane	0.18	3	DryWt	ug/kg	U	54.5
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		BrMeth	74839	Bromomethane	0.72	3	DryWt	ug/kg	U	218
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		Bromoform	75252	Bromoform	0.35	3	DryWt	ug/kg	U	106
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		CarbonTetrCl	56235	Carbon Tetrachloride	0.42	3	DryWt	ug/kg	U	127
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		Chloroform	67663	Chloroform	0.26	3	DryWt	ug/kg	U	78.8
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		cis13DiClProp	10061015	cis-1,3-Dichloropropene	0.26	3	DryWt	ug/kg	U	78.8
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		ClBenzene	108907	Chlorobenzene	0.29	3	DryWt	ug/kg	U	87.9
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		ClEthane	75003	Chloroethane	0.36	3	DryWt	ug/kg	U	109
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		ClMeth	74873	Chloromethane	0.53	3	DryWt	ug/kg	U	161
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		DiBrClMeth	124481	Dibromochloromethane	0.22	3	DryWt	ug/kg	U	66.7
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		Ethylbenzene	100414	Ethylbenzene	0.26	3	DryWt	ug/kg	U	78.8
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		MethyleneCl	75092	Methylene Chloride	5.3	3	DryWt	ug/kg	U	1610
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		TetraClEthe	127184	Tetrachloroethene	0.3	3	DryWt	ug/kg	U	90.9
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		Toluene	108883	Toluene	0.21	3	DryWt	ug/kg	U	63.6
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		TotTriClethene	79016	Trichloroethene	0.32	3	DryWt	ug/kg	U	97
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		trans12DiClEthe	156605	trans-1,2-Dichloroethene	0.41	3	DryWt	ug/kg	U	124
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		trans13DiClPrope	10061026	trans-1,3-Dichloropropene	0.4	3	DryWt	ug/kg	U	121
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	0	15.24	cm	Soil	Volatiles		VinylCl	75014	Vinyl Chloride	0.36	3	DryWt	ug/kg	U	109
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Asbestos		Asbestos	1332214	Asbestos	0.25	2	DryWt	percent	U	200
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Asbestos		NonAsbestos_%Fib		Non-Asbestos Percent Fibrous	0.25	2	DryWt	percent	U	200
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Asbestos		NonAsbestos_%Non		Non-Asbestos Percent Non-Fibrous	100	2	DryWt	percent		81000
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	10.6	3	DryWt	ng/kg		8620
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	1.85	3	DryWt	ng/kg	J	1500
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.082	3	DryWt	ng/kg	U	66.7
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.0495	3	DryWt	ng/kg	U	40.2
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	0.289	3	DryWt	ng/kg	U	235
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.389	3	DryWt	ng/kg	J	316
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.209	3	DryWt	ng/kg	J	170
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.355	3	DryWt	ng/kg	J	289
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.0612	3	DryWt	ng/kg	U	49.8
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.0327	3	DryWt	ng/kg	U	26.6
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.065	3	DryWt	ng/kg	U	52.8
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.224	3	DryWt	ng/kg	J	182
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.117	3	DryWt	ng/kg	U	95.1
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.48	3	DryWt	ng/kg	U	390
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	2.33	3	DryWt	ng/kg		1890
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		HpClDiBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	29.7	3	DryWt	ng/kg		24100
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		HpClDiBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	5.01	3	DryWt	ng/kg	J	4070
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		HxClDiBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	4.45	3	DryWt	ng/kg	J	3620
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		HxClDiBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	7.62	3	DryWt	ng/kg		6200
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		OctClDiBzDioxin	3268879	Octachlorodibenzo-p-dioxin	374	3	DryWt	ng/kg		304000
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		OctClDiBzFuran	39001020	Octachlorodibenzo-p-furan	3.09	3	DryWt	ng/kg	U	2510
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		PenClDiBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.0327	3	DryWt	ng/kg	U	26.6
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		PenClDiBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	4.5	3	DryWt	ng/kg	J	3660
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		TetClDiBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.0553	3	DryWt	ng/kg	U	45
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura		TetClDiBzFuran	30402143	Tetrachlorodibenzofuran (Total)	2.26	3	DryWt	ng/kg		1840
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Antimony	7440360	Antimony	1.4	3	DryWt	mg/kg	U	2760
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Arsenic	7440382	Arsenic	1.35	3	DryWt	mg/kg		1100
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Beryllium	7440417	Beryllium	0.1	3	DryWt	mg/kg	U	81.3
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Cadmium	7440439	Cadmium	0.027	3	DryWt	mg/kg	J	22
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Chromium	7440473	Chromium	2.15	3	DryWt	mg/kg		1750
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Copper	7440508	Copper	1.4	3	DryWt	mg/kg	J	1140
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Lead	7439921	Lead	4.2	3	DryWt	mg/kg	J	3410
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Mercury	7439976	Mercury	0.006	3	DryWt	mg/kg	J	4.88
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Nickel	7440020	Nickel	2	3	DryWt	mg/kg	J	1630
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Selenium	7782492	Selenium	4.5	3	DryWt	mg/kg	U	3660
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Silver	7440224	Silver	0.7	3	DryWt	mg/kg	U	569
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Thallium	7440280	Thallium	3.4	3	DryWt	mg/kg	U	2760
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals		Zinc	7440666	Zinc	8.7	3	DryWt	mg/kg		7070
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_rupper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocnvalue
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	246TriClPhenol	88062	2,4,6-Trichlorophenol	1.4	3	DryWt	ug/kg	U	1140
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	24DiClPhenol	120832	2,4-Dichlorophenol	1	3	DryWt	ug/kg	U	813
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	24DiMePhenol	105679	2,4-Dimethylphenol	5.5	3	DryWt	ug/kg	U	4470
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	24DiNiPhenol	51285	2,4-Dinitrophenol	17	3	DryWt	ug/kg	U	13800
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	24DiNiToluene	121142	2,4-Dinitrotoluene	1.5	3	DryWt	ug/kg	U	1220
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	26DiNiToluene	606202	2,6-Dinitrotoluene	2	3	DryWt	ug/kg	U	1630
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	2ClNaphthalene	91587	2-Chloronaphthalene	1.6	3	DryWt	ug/kg	U	1300
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	2ClPhenol	95578	2-Chlorophenol	2	3	DryWt	ug/kg	U	1630
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	2NiPhenol	88755	2-Nitrophenol	1.5	3	DryWt	ug/kg	U	1220
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	33DiClBenzidine	91941	3,3'-Dichlorobenzidine	3.7	3	DryWt	ug/kg	U	3010
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	46DiNi2MePhenol	534521	4,6-Dinitro-2-methylphenol	1.4	3	DryWt	ug/kg	U	1140
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	4BrPhPhEther	101553	4-Bromophenyl-phenylether	1.6	3	DryWt	ug/kg	U	1300
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	4Cl3MePhenol	59507	4-Chloro-3-methylphenol	1.4	3	DryWt	ug/kg	U	1140
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	4ClPhPhEther	7005723	4-Chlorophenyl-phenyl ether	1.4	3	DryWt	ug/kg	U	1140
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	4NiPhenol	100027	4-Nitrophenol	18	3	DryWt	ug/kg	U	14600
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	bs2ClEtOxEther	111444	Bis(2-chloroethyl)ether	1.9	3	DryWt	ug/kg	U	1540
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	bs2ClEtOxMethane	111911	bis(2-Chloroethoxy)methane	1.5	3	DryWt	ug/kg	U	1220
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	bs2EtHxPhthalate	117817	bis(2-Ethylhexyl)phthalate	7	3	DryWt	ug/kg	U	5690
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	BzNButPhthalate	85687	Benzyl n-butyl phthalate	3.2	3	DryWt	ug/kg	U	2600
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	DiEtPhthalate	84662	Diethyl phthalate	1.3	3	DryWt	ug/kg	U	1060
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	DiMePhthalate	131113	Dimethyl phthalate	22	3	DryWt	ug/kg	U	17900
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	DiNButPhthalate	84742	Di-n-butyl phthalate	7.9	3	DryWt	ug/kg	U	6420
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	DiNOctPhthalate	117840	Di-n-octylphthalate	1.7	3	DryWt	ug/kg	U	1380
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	Hexachloroethane	67721	Hexachloroethane	3.1	3	DryWt	ug/kg	U	2520
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	HxClBenzene	118741	Hexachlorobenzene	1.2	3	DryWt	ug/kg	U	976
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	HxClButadiene	87683	Hexachlorobutadiene	2.5	3	DryWt	ug/kg	U	2030
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	HxClCyPentDiene	77474	Hexachlorocyclopentadiene	29	3	DryWt	ug/kg	U	23600
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	Isophorone	78591	Isophorone	1	3	DryWt	ug/kg	U	813
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	Nitrobenzene	98953	Nitrobenzene	2.2	3	DryWt	ug/kg	U	1790
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	NNitDiMeAmine	62759	N-Nitrosodimethylamine	6.1	3	DryWt	ug/kg	U	4960
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	NNitDiNPropAmine	621647	N-Nitrosodi-n-propylamine	2.4	3	DryWt	ug/kg	U	1950
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	NNitDiPhenAmine	86306	N-Nitrosodiphenylamine	1.6	3	DryWt	ug/kg	U	1300
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	PenClPhenol	87865	Pentachlorophenol	20	3	DryWt	ug/kg	U	16300
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	Phenol	108952	Phenol	2	3	DryWt	ug/kg	U	1630
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	3.15	3	DryWt	ng/kg	J	2560
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	2.48	3	DryWt	ng/kg	J	2020
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	2.82	3	DryWt	ng/kg	J	2290
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	0.869	3	DryWt	ng/kg	J	707
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	0.234	3	DryWt	ng/kg	J	190
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	0.551	3	DryWt	ng/kg	J	448
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	1.18	3	DryWt	ng/kg	J	958
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	0.587	3	DryWt	ng/kg	J	478
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	0.883	3	DryWt	ng/kg	J	718
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	0.949	3	DryWt	ng/kg	J	771
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	0.351	3	DryWt	ng/kg	J	285
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	0.65	3	DryWt	ng/kg	J	528
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	111TriClEth	71556	1,1,1-Trichloroethane	0.39	3	DryWt	ug/kg	U	317
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	1122TetraClEth	79345	1,1,2,2-Tetrachloroethane	0.4	3	DryWt	ug/kg	U	325
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	112TriClEth	79005	1,1,2-Trichloroethane	0.26	3	DryWt	ug/kg	U	211
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	11DiClEth	75343	1,1-Dichloroethane	0.22	3	DryWt	ug/kg	U	179
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	11DiClEthe	75354	1,1-Dichloroethene	0.26	3	DryWt	ug/kg	U	211
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	12DiClEth	107062	1,2-Dichloroethane	0.17	3	DryWt	ug/kg	U	138
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	12DiClProp	78875	1,2-Dichloropropane	0.25	3	DryWt	ug/kg	U	203
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	2ClEtOxEthe	110758	2-Chloroethoxy ethene	0.53	3	DryWt	ug/kg	U	431
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	Acrolein	107028	Acrolein	2.9	3	DryWt	ug/kg	U	2360
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	Acrylonitrile	107131	Acrylonitrile	1.4	3	DryWt	ug/kg	U	1140
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	Azobenzene	103333	Azobenzene	1.1	3	DryWt	ug/kg	U	894
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	Benzene	71432	Benzene	0.25	3	DryWt	ug/kg	U	203
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	BrDiClMeth	75274	Bromodichloromethane	0.17	3	DryWt	ug/kg	U	138
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	BrMeth	74839	Bromomethane	0.68	3	DryWt	ug/kg	U	553
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	Bromoform	75252	Bromoform	0.33	3	DryWt	ug/kg	U	268
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	CarbonTetCl	56235	Carbon Tetrachloride	0.4	3	DryWt	ug/kg	U	325
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	Chloroform	67663	Chloroform	0.25	3	DryWt	ug/kg	U	203
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	cis13DiClPrope	10061015	cis-1,3-Dichloropropene	0.25	3	DryWt	ug/kg	U	203
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	ClBenzene	108907	Chlorobenzene	0.28	3	DryWt	ug/kg	U	228
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	ClEthane	75003	Chloroethane	0.34	3	DryWt	ug/kg	U	276
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	ClMeth	74873	Chloromethane	0.51	3	DryWt	ug/kg	U	415
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	DiBrClMeth	124481	Dibromochloromethane	0.21	3	DryWt	ug/kg	U	171
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	Ethylbenzene	100414	Ethylbenzene	0.25	3	DryWt	ug/kg	U	203
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	MethyleneCl	75092	Methylene Chloride	5.1	3	DryWt	ug/kg	U	4150
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	TetraClEthe	127184	Tetrachloroethene	0.29	3	DryWt	ug/kg	U	236
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	Toluene	108883	Toluene	0.2	3	DryWt	ug/kg	U	163
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	TotTriClethene	79016	Trichloroethene	0.3	3	DryWt	ug/kg	U	244
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	trans12DiClEthe	156605	trans-1,2-Dichloroethene	0.39	3	DryWt	ug/kg	U	317
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	trans13DiClPrope	10061026	trans-1,3-Dichloropropene	0.38	3	DryWt	ug/kg	U	309
TCRA_BSS	SITS005	SITS005	3215627.3	13858189.1	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	VinylCl	75014	Vinyl Chloride	0.34	3	DryWt	ug/kg	U	276
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	77.3	3	DryWt	ng/kg		20200
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	11	3	DryWt	ng/kg		2870
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.69	3	DryWt	ng/kg	U	180
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	1234678HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.531	3	DryWt	ng/kg	U	139
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	1.17	3	DryWt	ng/kg	J	305
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2.51	3	DryWt	ng/kg	J	655
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.531	3	DryWt	ng/kg	U	139
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.78	3	DryWt	ng/kg	J	465
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.196	3	DryWt	ng/kg	U	51.2
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.205	3	DryWt	ng/kg	U	53.5
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.269	3	DryWt	ng/kg	U	70.2
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.482	3	DryWt	ng/kg	J	126
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.369	3	DryWt	ng/kg	J	96.3
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.66	3	DryWt	ng/kg	J	172
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	2.42	3	DryWt	ng/kg		632
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	HpClDibzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	161	3	DryWt	ng/kg		42000
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	HpClDibzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	34	3	DryWt	ng/kg		8880
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	HxClDibzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	17.4	3	DryWt	ng/kg		4540
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	HxClDibzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	12.9	3	DryWt	ng/kg		3370
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	OctClDibzDioxin	3268879	Octachlorodibenzo-p-dioxin	1360	3	DryWt	ng/kg		355000
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	OctClDibzFuran	39001020	Octachlorodibenzo-p-furan	38.8	3	DryWt	ng/kg		10100
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	PenClDibzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.716	3	DryWt	ng/kg	J	187
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	PenClDibzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	5.94	3	DryWt	ng/kg		1550
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	TetClDibzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.66	3	DryWt	ng/kg	J	172
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	DioxinFura	TetClDibzFuran	30402143	Tetrachlorodibenzofuran (Total)	4.68	3	DryWt	ng/kg		1220
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.383	3	DryWt	percent		
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	PhysChem	Solids		Solids	90.4	3	WetWt	percent		
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	4.48	3	DryWt	ng/kg	J	1170
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	4.14	3	DryWt	ng/kg	J	1080
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	4.31	3	DryWt	ng/kg	J	1130
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	2.06	3	DryWt	ng/kg	J	539
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	1.5	3	DryWt	ng/kg	J	392
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	1.78	3	DryWt	ng/kg	J	465
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	3.26	3	DryWt	ng/kg	J	850
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	2.91	3	DryWt	ng/kg	J	760
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	3.08	3	DryWt	ng/kg	J	805
TCRA_BSS	SITS006	SITS006	3215641.6	13858047.2	2278 t	11/15/2010	0	15.24	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	1.92	3	DryWt	ng/kg	J	502
TCRA_BSS	SITS006	SITS006	3215641.6	13858047

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_r	upper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocvalue
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.47	3	DryWt	ng/kg	J	163
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	4.25	3	DryWt	ng/kg		1470
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	21.2	3	DryWt	ng/kg		7340
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	132	3	DryWt	ng/kg		45700
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	12.4	3	DryWt	ng/kg		4290
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	6.41	3	DryWt	ng/kg		2220
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	8.98	3	DryWt	ng/kg		3110
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	1040	3	DryWt	ng/kg		360000
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	14.3	3	DryWt	ng/kg		4950
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.247	3	DryWt	ng/kg	U	85.5
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	6.1	3	DryWt	ng/kg		2110
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	4.25	3	DryWt	ng/kg		1470
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	31.9	3	DryWt	ng/kg		11000
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.289	3	DryWt	percent		
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Solids		Solids	80.3	3	WetWt	percent		
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	26.8	3	DryWt	ng/kg	J	9290
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	26.4	3	DryWt	ng/kg	J	9120
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	26.6	3	DryWt	ng/kg	J	9200
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	6.46	3	DryWt	ng/kg	J	2230
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	5.98	3	DryWt	ng/kg	J	2070
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	6.22	3	DryWt	ng/kg	J	2150
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	8.21	3	DryWt	ng/kg	J	2840
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	7.76	3	DryWt	ng/kg	J	2690
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	7.99	3	DryWt	ng/kg	J	2760
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	7.29	3	DryWt	ng/kg	J	2520
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	6.95	3	DryWt	ng/kg	J	2400
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	7.12	3	DryWt	ng/kg	J	2460
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	16.4	3	DryWt	ng/kg		6690
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	1.24	3	DryWt	ng/kg	J	506
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.283	3	DryWt	ng/kg	U	116
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.238	3	DryWt	ng/kg	U	97.1
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	0.856	3	DryWt	ng/kg	U	349
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.315	3	DryWt	ng/kg	U	129
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.191	3	DryWt	ng/kg	U	78
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.262	3	DryWt	ng/kg	U	107
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.223	3	DryWt	ng/kg	U	91
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.319	3	DryWt	ng/kg	U	130
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.351	3	DryWt	ng/kg	U	143
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.234	3	DryWt	ng/kg	U	95.5
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.3	3	DryWt	ng/kg	U	122
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	2.73	3	DryWt	ng/kg		1110
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	14.6	3	DryWt	ng/kg		5960
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	45.8	3	DryWt	ng/kg		18700
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	3.37	3	DryWt	ng/kg	J	1380
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	5.34	3	DryWt	ng/kg	J	2180
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	0.201	3	DryWt	ng/kg	U	82
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	419	3	DryWt	ng/kg		171000
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	4.69	3	DryWt	ng/kg	J	1910
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	PenCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.319	3	DryWt	ng/kg	U	130
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	PenCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	0.3	3	DryWt	ng/kg	U	122
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	2.73	3	DryWt	ng/kg		1110
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	21.4	3	DryWt	ng/kg		8730
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.245	3	DryWt	percent		
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	PhysChem	Solids		Solids	81.4	3	WetWt	percent		
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	18.2	3	DryWt	ng/kg	J	7450
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	17.4	3	DryWt	ng/kg	J	7100
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	17.8	3	DryWt	ng/kg	J	7280
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	4.3	3	DryWt	ng/kg	J	1750
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	3.53	3	DryWt	ng/kg	J	1440
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	3.91	3	DryWt	ng/kg	J	1600
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	5.15	3	DryWt	ng/kg	J	2100
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	4.49	3	DryWt	ng/kg	J	1830
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	4.82	3	DryWt	ng/kg	J	1970
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	4.75	3	DryWt	ng/kg		1940
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	4.19	3	DryWt	ng/kg		1710
TCRA_BSS	SITS007	SITS007	3215526.3	13858275.6	2278 t	11/15/2010		15.24	30.48	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	4.47	3	DryWt	ng/kg		1820
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	37.8	3	DryWt	ng/kg		6860
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	4.08	3	DryWt	ng/kg	J	740
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.415	3	DryWt	ng/kg	U	75.3
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.322	3	DryWt	ng/kg	U	58.4
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	0.63	3	DryWt	ng/kg	U	114
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.787	3	DryWt	ng/kg	U	143
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.464	3	DryWt	ng/kg	U	84.2
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	0.993	3	DryWt	ng/kg	J	180
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.517	3	DryWt	ng/kg	U	93.8
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.347	3	DryWt	ng/kg	U	63
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.262	3	DryWt	ng/kg	U	47.5
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.554	3	DryWt	ng/kg	U	101
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.272	3	DryWt	ng/kg	U	49.4
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1.31	3	DryWt	ng/kg		238
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	7.15	3	DryWt	ng/kg		1300
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	123	3	DryWt	ng/kg		22300
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	11.7	3	DryWt	ng/kg		2120
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	11.4	3	DryWt	ng/kg		2070
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	3.12	3	DryWt	ng/kg	J	566
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	655	3	DryWt	ng/kg		119000
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	21.2	3	DryWt	ng/kg		3850
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.347	3	DryWt	ng/kg	U	63
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	1.76	3	DryWt	ng/kg	J	319
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	1.31	3	DryWt	ng/kg		238
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	8.59	3	DryWt	ng/kg		1560
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.551	3	DryWt	percent		
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Solids		Solids	89	3	WetWt	percent		
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	9.6	3	DryWt	ng/kg	J	1740
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	8.71	3	DryWt	ng/kg	J	1580
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	9.15	3	DryWt	ng/kg	J	1660
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	2.71	3	DryWt	ng/kg	J	492
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	1.83	3	DryWt	ng/kg	J	332
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	2.27	3	DryWt	ng/kg	J	412
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	3.51	3	DryWt	ng/kg	J	638
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	2.82	3	DryWt	ng/kg	J	513
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	3.17	3	DryWt	ng/kg	J	575
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	2.77	3	DryWt	ng/kg	J	504
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	2.2	3	DryWt	ng/kg	J	400
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	2.49	3	DryWt	ng/kg	J	452
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	43.4	3	DryWt	ng/kg		7440
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		15.24	30.48	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	5.25	3	DryWt	ng/kg	J	901
TCRA_BSS	SITS008	SITS008	3215532	13858122	2278 t	11/15/2010		15.24	30.48	cm	Soil

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_r	upper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocvalue
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctClDibrDioxin	3268879	Octachlorodibenzo-p-dioxin	3440	3	DryWt	ng/kg		382000
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	OctClDibrFuran	39001020	Octachlorodibenzo-p-furan	46.9	3	DryWt	ng/kg		5210
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenClDibrDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.219	3	DryWt	ng/kg	U	24.3
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	PenClDibrFuran	30402154	Pentachlorodibenzo-p-furan (Total)	4.61	3	DryWt	ng/kg	J	511
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetClDibrDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.244	3	DryWt	ng/kg	U	27.1
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	DioxinFura	TetClDibrFuran	30402143	Tetrachlorodibenzofuran (Total)	0.263	3	DryWt	ng/kg	U	29.2
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Antimony	7440360	Antimony	4.45	3	DryWt	mg/kg	J	494
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Arsenic	7440382	Arsenic	2.46	3	DryWt	mg/kg		274
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Beryllium	7440417	Beryllium	0.38	3	DryWt	mg/kg	J	42.2
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Cadmium	7440439	Cadmium	0.141	3	DryWt	mg/kg		15.6
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Chromium	7440473	Chromium	8.88	3	DryWt	mg/kg		985
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Copper	7440508	Copper	10.3	3	DryWt	mg/kg		1150
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Lead	7439921	Lead	23.4	3	DryWt	mg/kg	J	2600
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Mercury	7439976	Mercury	0.163	3	DryWt	mg/kg		18.1
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Nickel	7440020	Nickel	6.3	3	DryWt	mg/kg		699
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Selenium	7782492	Selenium	4.8	3	DryWt	mg/kg	U	533
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Silver	7440224	Silver	0.5	3	DryWt	mg/kg	U	55.5
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Thallium	7440280	Thallium	10.5	3	DryWt	mg/kg	J	1170
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Metals	Zinc	7440666	Zinc	71.7	3	DryWt	mg/kg		7960
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Acenaphthene	83329	Acenaphthene	14	3	DryWt	ug/kg	U	1550
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Acenaphthylene	208968	Acenaphthylene	16.5	3	DryWt	ug/kg	J	1830
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Anthracene	120127	Anthracene	19.5	3	DryWt	ug/kg	J	2160
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	BzAnthracene	56553	Benzo[a]anthracene	53	3	DryWt	ug/kg	J	5880
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	BzAPyrene	50328	Benzo[a]pyrene	67.5	3	DryWt	ug/kg		7490
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	BzBFluoranthene	205992	Benzo[b]fluoranthene	75	3	DryWt	ug/kg		8320
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	BzGhiPerylene	191242	Benzo[g,h,i]perylene	91.5	3	DryWt	ug/kg		10200
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	BzKFluoranthene	207089	Benzo[k]fluoranthene	28.5	3	DryWt	ug/kg	J	3160
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Chrysene	218019	Chrysene	55.5	3	DryWt	ug/kg	J	6160
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	DiBzAhAnthracene	53703	Dibenzo[a,h]anthracene	15	3	DryWt	ug/kg	U	1660
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Fluoranthene	206440	Fluoranthene	84.5	3	DryWt	ug/kg		9380
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Fluorene	86737	Fluorene	11	3	DryWt	ug/kg	U	1220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Ind123CdPyrene	193395	Indeno[1,2,3-cd]pyrene	68.5	3	DryWt	ug/kg		7600
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Naphthalene	91203	Naphthalene	23	3	DryWt	ug/kg	U	2550
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Phenanthrene	85018	Phenanthrene	49.5	3	DryWt	ug/kg	J	5490
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PAH	Pyrene	129000	Pyrene	90	2	DryWt	ug/kg		10000
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1016	12674112	Aroclor 1016	19	3	DryWt	ug/kg	U	2110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1221	11104282	Aroclor 1221	19	3	DryWt	ug/kg	U	2110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1232	11141165	Aroclor 1232	19	3	DryWt	ug/kg	U	2110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1242	53469219	Aroclor 1242	19	3	DryWt	ug/kg	U	2110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1248	12672296	Aroclor 1248	19	3	DryWt	ug/kg	U	2110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1254	11097691	Aroclor 1254	19	3	DryWt	ug/kg	U	2110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1260	11096825	Aroclor 1260	19	3	DryWt	ug/kg	U	2110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1262	37324235	Aroclor 1262	19	3	DryWt	ug/kg	U	2110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PCBs	Aroclor 1268	11100144	Aroclor 1268	19	3	DryWt	ug/kg	U	2110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	44DDD	72548	4,4'-DDD	1	3	DryWt	ug/kg	U	111
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	44DDE	72559	4,4'-DDE	1.6	3	DryWt	ug/kg	U	178
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	44DDT	50293	4,4'-DDT	1	3	DryWt	ug/kg	J	111
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Aldrin	309002	Aldrin	0.34	3	DryWt	ug/kg	U	37.7
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	alphaBHC	319846	alpha-Benzenehexachloride	0.35	3	DryWt	ug/kg	U	38.8
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	betaBHC	319857	beta-Benzenehexachloride	0.5	3	DryWt	ug/kg	U	55.5
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	deltaBHC	319868	delta-Benzenehexachloride	0.37	3	DryWt	ug/kg	U	41.1
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Dieldrin	60571	Dieldrin	0.48	3	DryWt	ug/kg	U	53.3
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Endosulfan_I	959988	Endosulfan I	1.7	3	DryWt	ug/kg	U	189
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Endosulfan_II	33213659	Endosulfan II	0.86	3	DryWt	ug/kg	U	95.4
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	EndosulfanSulf	1031078	Endosulfan sulfate	0.57	3	DryWt	ug/kg	U	63.3
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Endrin	72208	Endrin	0.45	3	DryWt	ug/kg	U	49.9
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Endrin aldehyde	7421934	Endrin aldehyde	1.4	3	DryWt	ug/kg	U	155
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	gammaBHC	58899	gamma-Benzenehexachloride	0.45	3	DryWt	ug/kg	U	49.9
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Heptachlor	76448	Heptachlor	0.83	3	DryWt	ug/kg	U	92.1
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	HeptachorEpox	1024573	Heptachlor epoxide	0.39	3	DryWt	ug/kg	U	43.3
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	TotChlordane	57749	Chlordane	22	3	DryWt	ug/kg	U	2440
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Pesticides	Toxaphene	8001352	Toxaphene	37	3	DryWt	ug/kg	U	4110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.901	3	DryWt	percent		
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Cyanide		Cyanide	0.285	3	DryWt	mg/kg		31.6
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	PhysChem	Solids		Solids	82.3	3	WetWt	percent		
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	124TrClBenzene	120821	1,2,4-Trichlorobenzene	0.28	3	DryWt	ug/kg	U	31.1
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	12DClBenzene	95501	1,2-Dichlorobenzene	0.27	3	DryWt	ug/kg	U	30
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	13DClBenzene	541731	1,3-Dichlorobenzene	0.29	3	DryWt	ug/kg	U	32.2
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	14DClBenzene	106467	1,4-Dichlorobenzene	0.3	3	DryWt	ug/kg	U	33.3
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	22OxBis1ClProp	108601	2,2'-oxybis(1-Chloropropane)	26	3	DryWt	ug/kg	U	2890
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	246TrClPhenol	88062	2,4,6-Trichlorophenol	14	3	DryWt	ug/kg	U	1550
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	24DClPhenol	120832	2,4-Dichlorophenol	10	3	DryWt	ug/kg	U	1110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	24DIMePhenol	105679	2,4-Dimethylphenol	55	3	DryWt	ug/kg	U	6100
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	24DiNiPhenol	51285	2,4-Dinitrophenol	170	3	DryWt	ug/kg	U	18900
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	24DiNiToluene	121142	2,4-Dinitrotoluene	15	3	DryWt	ug/kg	U	1660
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	26DiNiToluene	606202	2,6-Dinitrotoluene	20	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	2ClNaphthalene	91587	2-Chloronaphthalene	16	3	DryWt	ug/kg	U	1780
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	2ClPhenol	95578	2-Chlorophenol	20	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	2NiPhenol	88755	2-Nitrophenol	15	3	DryWt	ug/kg	U	1660
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	33DClBenzidine	91941	3,3'-Dichlorobenzidine	37	3	DryWt	ug/kg	U	4110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	46DiNi2MePhenol	534521	4,6-Dinitro-2-methylphenol	14	3	DryWt	ug/kg	U	1550
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	4BrPhPhEther	101553	4-Bromophenyl-phenylether	16	3	DryWt	ug/kg	U	1780
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	4Cl3MePhenol	59507	4-Chloro 3-methylphenol	14	3	DryWt	ug/kg	U	1550
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	4ClPhPhEther	7005723	4-Chlorophenyl-phenyl ether	14	3	DryWt	ug/kg	U	1550
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	4NiPhenol	100027	4-Nitrophenol	180	3	DryWt	ug/kg	U	20000
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	bs2ClEtOxEther	111444	Bis(2-chloroethyl)ether	19	3	DryWt	ug/kg	U	2110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	bs2ClEtOxMethane	111911	bis(2-Chloroethoxy)methane	15	3	DryWt	ug/kg	U	1660
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	bs2EtHxPhthalate	117817	bis(2-Ethylhexyl)phthalate	95	2	DryWt	ug/kg	J	11000
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	BzNButylPhthalate	85687	Benzyl n-butyl phthalate	32	3	DryWt	ug/kg	U	3550
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	DiEtPhthalate	84662	Diethyl phthalate	13	3	DryWt	ug/kg	U	1440
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	DiMePhthalate	131113	Dimethyl phthalate	41	3	DryWt	ug/kg	J	4550
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	DiNButylPhthalate	84742	Di-n-butyl phthalate	79	3	DryWt	ug/kg	U	8770
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	DiNOctPhthalate	117840	Di-n-octylphthalate	860	2	DryWt	ug/kg	U	95000
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	Hexachloroethane	67721	Hexachloroethane	31	3	DryWt	ug/kg	U	3440
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	HxClBenzene	118741	Hexachlorobenzene	12	3	DryWt	ug/kg	U	1330
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	HxClButadiene	87683	Hexachlorobutadiene	25	3	DryWt	ug/kg	U	2770
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	HxClCyc-PenDiene	77474	Hexachlorocyclopentadiene	290	3	DryWt	ug/kg	U	32200
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	Isophorone	78591	Isophorone	10	3	DryWt	ug/kg	U	1110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	Nitrobenzene	98953	Nitrobenzene	22	3	DryWt	ug/kg	U	2440
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	NNitDiMeAmine	62759	N-Nitrosodimethylamine	61	3	DryWt	ug/kg	U	6770
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	NNitDiNPropAmine	621647	N-Nitrosodi-n-propylamine	24	3	DryWt	ug/kg	U	2660
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	NNitDiPhenAmine	86306	N-Nitrosodiphenylamine	16	3	DryWt	ug/kg	U	1780
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	PenClPhenol	87865	Pentachlorophenol	200	3	DryWt	ug/kg	U	22200
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	SemiVolati	Phenol	108952	Phenol	20	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	2.31	3	DryWt	ng/kg	J	257
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	1.04	3	DryWt	ng/kg	J	115
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	1.68	3	DryWt	ng/kg	J	186
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	1.96	3	DryWt	ng/kg	J	217
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	0.99	2	DryWt	ng/kg	J	110
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	1.48	3	DryWt	ng/kg	J	164
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	3.79	3	DryWt	ng/kg	J	421
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	2.84	3	DryWt	ng/kg	J	316
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	3.32	3	DryWt	ng/kg	J	368
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	1.48	3	DryWt	ng/kg	J	164
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	0.616	3	DryWt	ng/kg	J	68.4
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	1.05	3	DryWt	ng/kg	J	116
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Volatiles	111TrClEth	71556	1,1,1-Trichloroethane	0.42	3	DryWt	ug/kg	U	46.6
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Volatiles	1122TetraClEth	79345	1,1,2,2-Tetrachloroethane	0.43	3	DryWt	ug/kg	U	47.7
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Volatiles	112TrClEth	79005	1,1,2-Trichloroethane	0.28	3	DryWt	ug/kg	U	31.1
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010		0	15.24	cm	Soil	Volatiles	11DiClEth	75343	1,1-Dichloroethane	0.24	3

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_rupper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocnvalue
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura	HxClDibzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	21.5	3	DryWt	ng/kg		2510
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura	HxClDibzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	5.62	3	DryWt	ng/kg	J	657
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura	OctClDibzDioxin	3268879	Octachlorodibenzo-p-dioxin	24400	3	DryWt	ng/kg		2850000
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura	OctClDibzFuran	39001020	Octachlorodibenzo-p-furan	22.3	3	DryWt	ng/kg		2610
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura	PenClDibzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.272	3	DryWt	ng/kg	U	31.8
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura	PenClDibzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	3.92	3	DryWt	ng/kg	J	459
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura	TetClDibzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.236	3	DryWt	ng/kg	U	27.6
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	DioxinFura	TetClDibzFuran	30402143	Tetrachlorodibenzofuran (Total)	0.344	3	DryWt	ng/kg	U	40.2
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Antimony	7440360	Antimony	4.45	3	DryWt	mg/kg	J	520
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Arsenic	7440382	Arsenic	2.23	3	DryWt	mg/kg		261
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Beryllium	7440417	Beryllium	0.395	3	DryWt	mg/kg	J	46.2
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Cadmium	7440439	Cadmium	0.17	3	DryWt	mg/kg		19.8
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Chromium	7440473	Chromium	8.21	3	DryWt	mg/kg		960
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Copper	7440508	Copper	7.15	3	DryWt	mg/kg		836
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Lead	7439921	Lead	65.2	3	DryWt	mg/kg		7620
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Mercury	7439976	Mercury	0.034	3	DryWt	mg/kg		3.97
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Nickel	7440020	Nickel	4.9	3	DryWt	mg/kg	J	573
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Selenium	7782492	Selenium	4.7	3	DryWt	mg/kg	U	549
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Silver	7440224	Silver	0.5	3	DryWt	mg/kg	U	58.4
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Thallium	7440280	Thallium	5.55	3	DryWt	mg/kg	J	649
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Metals	Zinc	7440666	Zinc	66.3	3	DryWt	mg/kg		7750
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	Acenaphthene	83329	Acenaphthene	14	3	DryWt	ug/kg	U	1640
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	Acenaphthylene	208968	Acenaphthylene	12	3	DryWt	ug/kg	U	1400
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	Anthracene	120127	Anthracene	16	3	DryWt	ug/kg	U	1870
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	BzAnthracene	56553	Benzo[a]anthracene	54.5	3	DryWt	ug/kg	J	6370
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	BzAPyrene	50328	Benzo[a]pyrene	64.5	3	DryWt	ug/kg	J	7540
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	BzBFluoranthene	205992	Benzo[b]fluoranthene	80	3	DryWt	ug/kg		9350
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	BzGhiPerylene	191242	Benzo[g,h,i]perylene	77.5	3	DryWt	ug/kg		9060
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	BzKFluoranthene	207089	Benzo[k]fluoranthene	28.5	3	DryWt	ug/kg	J	3330
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	Chrysene	218019	Chrysene	71.5	3	DryWt	ug/kg	J	8360
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	DiBzAhAnthracene	53703	Dibenzo[a,h]anthracene	15	3	DryWt	ug/kg	U	1750
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	Fluoranthene	206440	Fluoranthene	100	3	DryWt	ug/kg		11700
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	Fluorene	86737	Fluorene	11	3	DryWt	ug/kg	U	1290
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	Ind123CdPyrene	193395	Indeno[1,2,3-cd]pyrene	71.5	3	DryWt	ug/kg		8360
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	Naphthalene	91203	Naphthalene	23	3	DryWt	ug/kg	U	2690
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	Phenanthrene	85018	Phenanthrene	43	3	DryWt	ug/kg	J	5030
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PAH	Pyrene	129000	Pyrene	92	2	DryWt	ug/kg		11000
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PCBs	Aroclor 1016	12674112	Aroclor 1016	19	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PCBs	Aroclor 1221	11104282	Aroclor 1221	19	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PCBs	Aroclor 1232	11141165	Aroclor 1232	19	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PCBs	Aroclor 1242	53469219	Aroclor 1242	19	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PCBs	Aroclor 1248	12672296	Aroclor 1248	19	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PCBs	Aroclor 1254	11097691	Aroclor 1254	19	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PCBs	Aroclor 1260	11096825	Aroclor 1260	19	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PCBs	Aroclor 1262	37324235	Aroclor 1262	19	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PCBs	Aroclor 1268	11100144	Aroclor 1268	19	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	44DDD	72548	4,4'-DDD	1	3	DryWt	ug/kg	U	117
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	44DDE	72559	4,4'-DDE	1.6	3	DryWt	ug/kg	U	187
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	44DDT	50293	4,4'-DDT	1.07	3	DryWt	ug/kg	J	125
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	Aldrin	309002	Aldrin	0.34	3	DryWt	ug/kg	U	39.7
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	alphaBHC	319846	alpha-Benzenehexachloride	0.35	3	DryWt	ug/kg	U	40.9
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	betaBHC	319857	beta-Benzenehexachloride	0.5	3	DryWt	ug/kg	U	58.4
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	deltaBHC	319868	delta-Benzenehexachloride	0.37	3	DryWt	ug/kg	U	43.2
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	Dieldrin	60571	Dieldrin	0.48	3	DryWt	ug/kg	U	56.1
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	Endosulfan_I	959988	Endosulfan I	1.7	3	DryWt	ug/kg	U	199
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	Endosulfan_II	33213659	Endosulfan II	0.86	3	DryWt	ug/kg	U	101
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	EndosulfanSulf	1031078	Endosulfan sulfate	0.57	3	DryWt	ug/kg	U	66.6
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	Endrin	72208	Endrin	0.45	3	DryWt	ug/kg	U	52.6
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	Endrin aldehyde	7421934	Endrin aldehyde	1.4	3	DryWt	ug/kg	U	164
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	gammaBHC	58899	gamma-Benzenehexachloride	0.45	3	DryWt	ug/kg	U	52.6
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	Heptachlor	76448	Heptachlor	0.83	3	DryWt	ug/kg	U	97
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	Heptachlor Epox	1024573	Heptachlor epoxide	0.39	3	DryWt	ug/kg	U	45.6
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	TotChlordane	57749	Chlordane	22	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Pesticides	Toxaphene	8001352	Toxaphene	61	3	DryWt	ug/kg	U	7130
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.856	3	DryWt	percent		
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PhysChem	Cyanide		Cyanide	4.22	3	DryWt	mg/kg		493
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	PhysChem	Solids		Solids	84.8	3	WetWt	percent		
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	124TrClBenzene	120821	1,2,4-Trichlorobenzene	0.27	3	DryWt	ug/kg	U	31.6
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	12DiClBenzene	95501	1,2-Dichlorobenzene	0.26	3	DryWt	ug/kg	U	30.4
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	13DiClBenzene	541731	1,3-Dichlorobenzene	0.28	3	DryWt	ug/kg	U	32.7
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	14DiClBenzene	106467	1,4-Dichlorobenzene	0.29	3	DryWt	ug/kg	U	33.9
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	22OxyBis1ClProp	108601	2,2'-oxybis[1-Chloropropane]	26	3	DryWt	ug/kg	U	3040
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	246TrClPhenol	88062	2,4,6-Trichlorophenol	14	3	DryWt	ug/kg	U	1640
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	24DiClPhenol	120832	2,4-Dichlorophenol	10	3	DryWt	ug/kg	U	1170
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	24DiMePhenol	105679	2,4-Dimethylphenol	55	3	DryWt	ug/kg	U	6430
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	24DiNiPhenol	51285	2,4-Dinitrophenol	170	3	DryWt	ug/kg	U	19900
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	24DiNiToluene	121142	2,4-Dinitrotoluene	15	3	DryWt	ug/kg	U	1750
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	26DiNiToluene	606202	2,6-Dinitrotoluene	20	3	DryWt	ug/kg	U	2340
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	2ClNaphthalene	91587	2-Chloronaphthalene	16	3	DryWt	ug/kg	U	1870
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	2ClPhenol	95578	2-Chlorophenol	20	3	DryWt	ug/kg	U	2340
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	2NiPhenol	88755	2-Nitrophenol	15	3	DryWt	ug/kg	U	1750
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	33DiClBenzidine	91941	3,3'-Dichlorobenzidine	37	3	DryWt	ug/kg	U	4320
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	46DiNi2MePhenol	534521	4,6-Dinitro-2-methylphenol	14	3	DryWt	ug/kg	U	1640
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	4BrPhPhEther	101553	4-Bromophenyl-phenylether	16	3	DryWt	ug/kg	U	1870
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	4Cl3MePhenol	59507	4-Chloro-3-methylphenol	14	3	DryWt	ug/kg	U	1640
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	4ClPhPhEther	7005723	4-Chlorophenyl-phenyl ether	14	3	DryWt	ug/kg	U	1640
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	4NiPhenol	100027	4-Nitrophenol	180	3	DryWt	ug/kg	U	21000
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	bs2ClEtOxEther	111444	Bis(2-chloroethyl)ether	19	3	DryWt	ug/kg	U	2220
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	bs2ClEtOxMethane	111911	bis(2-Chloroethoxy)methane	15	3	DryWt	ug/kg	U	1750
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	bs2EtHxPhthalate	117817	bis(2-Ethylhexyl)phthalate	70	3	DryWt	ug/kg	U	8180
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	BzNButPhthalate	85687	Benzyl n-butyl phthalate	32	3	DryWt	ug/kg	U	3740
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	DiEtPhthalate	84662	Diethyl phthalate	13	3	DryWt	ug/kg	U	1520
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	DiMePhthalate	131113	Dimethyl phthalate	38	3	DryWt	ug/kg	J	4440
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	DiNButPhthalate	84742	Di-n-butyl phthalate	79	3	DryWt	ug/kg	U	9230
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	DiNOctPhthalate	117840	Di-n-octylphthalate	17	3	DryWt	ug/kg	U	1990
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	Hexachloroethane	67721	Hexachloroethane	31	3	DryWt	ug/kg	U	3620
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	HxClBenzene	118741	Hexachlorobenzene	12	3	DryWt	ug/kg	U	1400
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	HxClButadiene	87683	Hexachlorobutadiene	25	3	DryWt	ug/kg	U	2920
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	HxClCyCPenDiene	77474	Hexachlorocyclopentadiene	290	3	DryWt	ug/kg	U	33900
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	Isophorone	78591	Isophorone	10	3	DryWt	ug/kg	U	1170
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	Nitrobenzene	98953	Nitrobenzene	22	3	DryWt	ug/kg	U	2570
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	NNitDiMeAmine	62759	N-Nitrosodimethylamine	61	3	DryWt	ug/kg	U	7130
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	NNitDiNPropAmine	621647	N-Nitrosodi-n-propylamine	24	3	DryWt	ug/kg	U	2810
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	NNitDiPhenAmine	86306	N-Nitrosodiphenylamine	16	3	DryWt	ug/kg	U	1870
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	PenClPhenol	87865	Pentachlorophenol	200	3	DryWt	ug/kg	U	23400
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	SemiVolati	Phenol	108952	Phenol	20	3	DryWt	ug/kg	U	2340
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	5.22	3	DryWt	ng/kg	J	610
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	4.01	3	DryWt	ng/kg	J	469
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	4.61	3	DryWt	ng/kg	J	539
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	3.97	3	DryWt	ng/kg	J	464
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	2.83	3	DryWt	ng/kg	J	331
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	3.4	3	DryWt	ng/kg	J	397
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	10	3	DryWt	ng/kg	J	1170
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	9.22	3	DryWt	ng/kg	J	1080
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	9.6	2	DryWt	ng/kg	J	1100
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	1.44	3	DryWt	ng/kg	J	168
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	0.685	3	DryWt	ng/kg	J	80.1
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	1.06	3	DryWt	ng/kg	J	124
TCRA_BSS	SITS009	SITS009	3215515.6	13857946.8	2278 t	11/15/2010	15.24	30.48	cm	Soil	Volatiles	111TrClEth	71556	1,1,1-Trichloroethane	0.41	3	DryWt

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_rupper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocnvalue
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	OctClDibzDioxin	3268879	Octachlorodibenzo-p-dioxin	35400	3	DryWt	ng/kg		1220000
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	OctClDibzFuran	39001020	Octachlorodibenzo-p-furan	643	3	DryWt	ng/kg		22100
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	PenClDibzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	16.5	3	DryWt	ng/kg		567
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	PenClDibzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	28.8	3	DryWt	ng/kg		990
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	TetClDibzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	1.81	3	DryWt	ng/kg		62.2
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	TetClDibzFuran	30402143	Tetrachlorodibenzofuran (Total)	13	3	DryWt	ng/kg		447
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	0	15.24	cm	Soil	PhysChem	Carbon_org		Organic carbon	2.91	3	DryWt	percent		
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	0	15.24	cm	Soil	PhysChem	Solids		Solids	85	3	WetWt	percent		
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1080	3	DryWt	ng/kg		51200
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	129	3	DryWt	ng/kg	J	6110
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	5.47	3	DryWt	ng/kg		259
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	3.11	3	DryWt	ng/kg	J	147
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	3.92	3	DryWt	ng/kg	J	186
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	18.2	3	DryWt	ng/kg		863
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	3.13	3	DryWt	ng/kg	J	148
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	8.3	3	DryWt	ng/kg		393
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.772	3	DryWt	ng/kg	U	36.6
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.09	3	DryWt	ng/kg	U	51.7
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.769	3	DryWt	ng/kg	J	36.4
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	2.78	3	DryWt	ng/kg	J	132
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	1.18	3	DryWt	ng/kg	J	55.9
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.336	3	DryWt	ng/kg	U	15.9
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	1.56	3	DryWt	ng/kg	U	73.9
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	HpClDibzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	2570	3	DryWt	ng/kg		122000
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	HpClDibzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	525	3	DryWt	ng/kg		24900
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	HxClDibzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	151	3	DryWt	ng/kg		7160
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	HxClDibzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	128	3	DryWt	ng/kg		6070
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	OctClDibzDioxin	3268879	Octachlorodibenzo-p-dioxin	30700	3	DryWt	ng/kg		1450000
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	OctClDibzFuran	39001020	Octachlorodibenzo-p-furan	777	3	DryWt	ng/kg		36800
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	PenClDibzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	15	3	DryWt	ng/kg		711
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	PenClDibzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	45.2	3	DryWt	ng/kg		2140
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	TetClDibzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	2.57	3	DryWt	ng/kg		122
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	TetClDibzFuran	30402143	Tetrachlorodibenzofuran (Total)	18.6	3	DryWt	ng/kg		882
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	PhysChem	Carbon_org		Organic carbon	2.11	3	DryWt	percent		
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	PhysChem	Solids		Solids	84.4	3	WetWt	percent		
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	12	3	DryWt	ng/kg	J	571
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	8.98	3	DryWt	ng/kg	J	426
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	10.5	3	DryWt	ng/kg	J	498
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	10.6	3	DryWt	ng/kg	J	502
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	9	3	DryWt	ng/kg	J	427
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	9.79	3	DryWt	ng/kg	J	464
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	27.6	3	DryWt	ng/kg	J	1310
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	25.9	3	DryWt	ng/kg	J	1230
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	26.7	3	DryWt	ng/kg	J	1270
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	5.69	3	DryWt	ng/kg	J	270
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	4.57	3	DryWt	ng/kg	J	217
TCRA_BSS	SITS010	SITS010	3215209.3	13858423.5	2278 t	11/16/2010	15.24	30.48	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	5.13	3	DryWt	ng/kg	J	243
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	32.1	3	DryWt	ng/kg		3750
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	2	3	DryWt	ng/kg	J	234
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.177	3	DryWt	ng/kg	U	20.7
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.563	3	DryWt	ng/kg	J	65.8
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	0.32	3	DryWt	ng/kg	J	37.4
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	0.97	3	DryWt	ng/kg	U	113
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.155	3	DryWt	ng/kg	J	18.1
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.43	3	DryWt	ng/kg	J	167
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.127	3	DryWt	ng/kg	U	14.8
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.132	3	DryWt	ng/kg	U	15.4
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.127	3	DryWt	ng/kg	U	14.8
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.173	3	DryWt	ng/kg	J	20.2
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.134	3	DryWt	ng/kg	U	15.7
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.125	3	DryWt	ng/kg	U	14.6
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	0.235	3	DryWt	ng/kg	U	27.5
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	HpClDibzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	98.1	3	DryWt	ng/kg		11500
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	HpClDibzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	4.76	3	DryWt	ng/kg	J	556
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	HxClDibzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	10.2	3	DryWt	ng/kg		1190
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	HxClDibzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	2.39	3	DryWt	ng/kg	J	279
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	OctClDibzDioxin	3268879	Octachlorodibenzo-p-dioxin	663	3	DryWt	ng/kg		77500
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	OctClDibzFuran	39001020	Octachlorodibenzo-p-furan	7.44	3	DryWt	ng/kg	J	869
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	PenClDibzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.132	3	DryWt	ng/kg	U	15.4
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	PenClDibzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	0.455	3	DryWt	ng/kg	J	53.2
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	TetClDibzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.125	3	DryWt	ng/kg	U	14.6
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	DioxinFura	TetClDibzFuran	30402143	Tetrachlorodibenzofuran (Total)	0.75	3	DryWt	ng/kg	J	87.6
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.856	3	DryWt	percent		
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	PhysChem	Solids		Solids	75.5	3	WetWt	percent		
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	1.02	3	DryWt	ng/kg	J	119
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	0.355	3	DryWt	ng/kg	J	41.5
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	0.687	3	DryWt	ng/kg	J	80.2
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	0.846	3	DryWt	ng/kg	J	98.8
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	0.48	3	DryWt	ng/kg	J	56
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	0.663	3	DryWt	ng/kg	J	77.4
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	1.24	3	DryWt	ng/kg	J	145
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	0.806	3	DryWt	ng/kg	J	94.2
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	1.02	3	DryWt	ng/kg	J	120
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	0.662	3	DryWt	ng/kg	J	77.3
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	0.264	3	DryWt	ng/kg	J	30.9
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	0	15.24	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	0.463	3	DryWt	ng/kg	J	54.1
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	73.3	3	DryWt	ng/kg		836
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	8.08	3	DryWt	ng/kg	J	92.1
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.522	3	DryWt	ng/kg	U	5.95
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.82	3	DryWt	ng/kg	J	9.35
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	1.17	3	DryWt	ng/kg	J	13.3
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2.18	3	DryWt	ng/kg	J	24.9
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.535	3	DryWt	ng/kg	J	6.1
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.35	3	DryWt	ng/kg	J	26.8
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.154	3	DryWt	ng/kg	U	1.76
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.404	3	DryWt	ng/kg	U	4.61
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.266	3	DryWt	ng/kg	U	3.03
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.476	3	DryWt	ng/kg	J	5.43
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.472	3	DryWt	ng/kg	J	5.38
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.218	3	DryWt	ng/kg	U	2.49
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	1.26	3	DryWt	ng/kg		14.4
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	HpClDibzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	224	3	DryWt	ng/kg		2550
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	HpClDibzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	20.7	3	DryWt	ng/kg		236
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	HxClDibzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	22.4	3	DryWt	ng/kg		255
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	HxClDibzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	9.6	3	DryWt	ng/kg		109
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	OctClDibzDioxin	3268879	Octachlorodibenzo-p-dioxin	1360	3	DryWt	ng/kg		15500
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	OctClDibzFuran	39001020	Octachlorodibenzo-p-furan	29.5	3	DryWt	ng/kg		336
TCRA_BSS	SITS011	SITS011	3215191.5	13858276	2278 t	11/16/2010	15.24	30.48	cm	Soil	DioxinFura	PenClDibzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.403	3	DryWt	ng/kg	J	4.6

study_id	location_id	study_loc_x	y	srid	onsite	sample_date	common_r	upper_dep	lower_dep	depth_unit	material_a	chem_class	analyte	cas_rn	full_name	value	sig_figs	meas_basi	units	qualifiers	ocvalue
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	1.22	3	DryWt	ng/kg	J	24.5
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.69	3	DryWt	ng/kg	J	13.9
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	1.91	3	DryWt	ng/kg	J	38.4
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	3	3	DryWt	ng/kg	J	60.2
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	0.814	3	DryWt	ng/kg	J	16.3
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.38	3	DryWt	ng/kg	J	47.8
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.113	3	DryWt	ng/kg	U	2.27
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.294	3	DryWt	ng/kg	U	5.9
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.39	3	DryWt	ng/kg	J	7.83
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.625	3	DryWt	ng/kg	J	12.6
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.599	3	DryWt	ng/kg	J	12
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.253	3	DryWt	ng/kg	U	5.08
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	1.13	3	DryWt	ng/kg		22.7
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	430	3	DryWt	ng/kg		8630
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	51.9	3	DryWt	ng/kg		1040
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	32.2	3	DryWt	ng/kg		647
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	11.7	3	DryWt	ng/kg		235
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	2070	3	DryWt	ng/kg		41600
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	68.9	3	DryWt	ng/kg		1380
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	PenCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.658	3	DryWt	ng/kg	J	13.2
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	PenCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	7.62	3	DryWt	ng/kg		153
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.137	3	DryWt	ng/kg	J	2.75
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	5.51	3	DryWt	ng/kg		111
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	PhysChem	Carbon_org		Organic carbon	4.98	3	DryWt	percent		
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	PhysChem	Solids		Solids	90.8	3	WetWt	percent		
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	3.46	3	DryWt	ng/kg	J	69.4
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	2.9	3	DryWt	ng/kg	J	58.2
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	3.18	3	DryWt	ng/kg	J	63.8
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	2.16	3	DryWt	ng/kg	J	43.4
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	1.6	3	DryWt	ng/kg	J	32.2
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	1.88	3	DryWt	ng/kg	J	37.8
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	3.9	3	DryWt	ng/kg	J	78.2
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	3.34	3	DryWt	ng/kg	J	67
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	3.62	3	DryWt	ng/kg	J	72.6
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	1.79	3	DryWt	ng/kg	J	35.8
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	1.37	3	DryWt	ng/kg	J	27.6
TCRA_BSS	SITS012	SITS012	3215201.4	13858084.3	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	1.58	3	DryWt	ng/kg	J	31.7
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	180	3	DryWt	ng/kg		4750
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	18.7	3	DryWt	ng/kg	J	493
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	1.6	3	DryWt	ng/kg	J	42.2
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.03	3	DryWt	ng/kg	J	27.2
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	4.13	3	DryWt	ng/kg	J	109
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	4.87	3	DryWt	ng/kg	J	128
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	1.51	3	DryWt	ng/kg	U	39.8
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	3.59	3	DryWt	ng/kg	J	94.7
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.304	3	DryWt	ng/kg	U	8.02
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.595	3	DryWt	ng/kg	J	15.7
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.787	3	DryWt	ng/kg	U	20.8
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	1.12	3	DryWt	ng/kg	J	29.6
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	1.44	3	DryWt	ng/kg	J	38
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.197	3	DryWt	ng/kg	U	5.2
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	2.05	3	DryWt	ng/kg		54.1
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	410	3	DryWt	ng/kg		10800
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	54.9	3	DryWt	ng/kg		1450
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	41.9	3	DryWt	ng/kg		1110
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	28.2	3	DryWt	ng/kg		744
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	3170	3	DryWt	ng/kg		83600
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	74	3	DryWt	ng/kg		1950
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	PenCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	3.1	3	DryWt	ng/kg	J	81.8
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	PenCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	22.7	3	DryWt	ng/kg		599
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.933	3	DryWt	ng/kg	J	24.6
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	DioxinFura	TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	15.5	3	DryWt	ng/kg		409
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	PhysChem	Carbon_org		Organic carbon	3.79	3	DryWt	percent		
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	PhysChem	Solids		Solids	76.9	3	WetWt	percent		
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	6.23	3	DryWt	ng/kg	J	164
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	5.78	3	DryWt	ng/kg	J	152
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=1/2DL)	6.01	3	DryWt	ng/kg	J	158
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=DL)	3.67	3	DryWt	ng/kg	J	96.8
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=0)	3.25	3	DryWt	ng/kg	J	85.7
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfFshDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for fish (ND=1/2DL)	3.46	3	DryWt	ng/kg	J	91.2
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=DL)	6.08	3	DryWt	ng/kg	J	161
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL0		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=0)	5.68	3	DryWt	ng/kg	J	150
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfMamDL/2		TEQ for dioxins/furans using Van den Berg, et al. 2006 for mammals (ND=1/2DL)	5.88	3	DryWt	ng/kg	J	155
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL		TEQ for dioxins/furans using old Texas TEFs (ND=DL)	3.11	3	DryWt	ng/kg	J	82.2
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL0		TEQ for dioxins/furans using old Texas TEFs (ND=0)	2.7	3	DryWt	ng/kg	J	71.1
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		0	15.24	cm	Soil	TEQ	TEQdfTxDL/2		TEQ for dioxins/furans using old Texas TEFs (ND=1/2DL)	2.91	3	DryWt	ng/kg	J	76.7
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	1234678HepDioxin	35822469	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	108	3	DryWt	ng/kg		11400
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	1234678HepFuran	67562394	1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan	11.3	3	DryWt	ng/kg	J	1200
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	1234789HepFuran	55673897	1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan	0.896	3	DryWt	ng/kg	J	94.9
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123478HexDioxin	39227286	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	0.784	3	DryWt	ng/kg	J	83.1
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123478HexFuran	70648269	1,2,3,4,7,8-Hexachlorodibenzo-p-furan	1.74	3	DryWt	ng/kg	U	184
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123678HexDioxin	57653857	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	2.71	3	DryWt	ng/kg	J	287
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123678HexFuran	57117449	1,2,3,6,7,8-Hexachlorodibenzo-p-furan	1.06	3	DryWt	ng/kg	J	112
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123789HexDioxin	19408743	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	2.7	3	DryWt	ng/kg	J	286
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	123789HexFuran	72918219	1,2,3,7,8,9-Hexachlorodibenzo-p-furan	0.153	3	DryWt	ng/kg	U	16.2
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	12378PenDioxin	40321764	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	0.482	3	DryWt	ng/kg	J	51.1
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	12378PenFuran	57117416	1,2,3,7,8-Pentachlorodibenzo-p-furan	0.501	3	DryWt	ng/kg	J	53.1
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	234678HexFuran	60851345	2,3,4,6,7,8-Hexachlorodibenzo-p-furan	0.78	3	DryWt	ng/kg	U	82.6
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	23478PenFuran	57117314	2,3,4,7,8-Pentachlorodibenzo-p-furan	0.874	3	DryWt	ng/kg	U	92.6
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	2378TetDioxin	1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin	0.361	3	DryWt	ng/kg	J	38.2
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	2378TetFuran	51207319	2,3,7,8-Tetrachlorodibenzo-p-furan	1.19	3	DryWt	ng/kg		126
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	HpCDIBzDioxin	37871004	Heptachlorodibenzo-p-dioxin (Total)	275	3	DryWt	ng/kg		29100
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	HpCDIBzFuran	38998753	Heptachlorodibenzo-p-furan (Total)	34.1	3	DryWt	ng/kg		3610
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	HxCDIBzDioxin	34465468	Hexachlorodibenzo-p-dioxin (Total)	30.2	3	DryWt	ng/kg		3200
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	HxCDIBzFuran	55684941	Hexachlorodibenzo-p-furan (Total)	14.8	3	DryWt	ng/kg		1570
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	OctCDIBzDioxin	3268879	Octachlorodibenzo-p-dioxin	11300	3	DryWt	ng/kg		1200000
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	OctCDIBzFuran	39001020	Octachlorodibenzo-p-furan	41.1	3	DryWt	ng/kg		4350
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	PenCDIBzDioxin	36088229	Pentachlorodibenzo-p-dioxin (Total)	0.482	3	DryWt	ng/kg	J	51.1
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	PenCDIBzFuran	30402154	Pentachlorodibenzo-p-furan (Total)	31.7	3	DryWt	ng/kg		3360
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	TetCDIBzDioxin	41903575	Tetrachlorodibenzodioxin (Total)	0.848	3	DryWt	ng/kg	J	89.8
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	DioxinFura	TetCDIBzFuran	30402143	Tetrachlorodibenzofuran (Total)	10.2	3	DryWt	ng/kg		1080
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	PhysChem	Carbon_org		Organic carbon	0.944	3	DryWt	percent		
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	PhysChem	Solids		Solids	85.5	3	WetWt	percent		
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=DL)	5.03	3	DryWt	ng/kg	J	533
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL0		TEQ for dioxins/furans using Van den Berg, et al. 1998 for birds (ND=0)	3.89	3	DryWt	ng/kg	J	412
TCRA_BSS	SITS013	SITS013	3215198.7	13857986.5	2278 t	11/16/2010		15.24	30.48	cm	Soil	TEQ	TEQdfBrdDL/2		TEQ for dioxins/furans using Van den Berg, et al. 1998 for

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-001 / SL0001 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138392 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1194.739 pg	60 Percent		11/20/10 18:21:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	604.113 pg	76 Percent		11/20/10 18:21:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	140.489 pg	16.1 ng/Kg		11/20/10 18:21:00	1.15	0.137	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDF		ng/Kg					0.01	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-001 / SL0001 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138392 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	6.61	6.61 ng/Kg		11/20/10 18:21:00		6.61	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-001.R01 / SL0001 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210444 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1234.837 pg	62 Percent		11/19/10 21:06:00		
13C-1,2,3,7,8-PeCDD	1401.099 pg	70 Percent		11/19/10 21:06:00		
13C-1,2,3,4,7,8-HxCDD	1526.660 pg	76 Percent		11/19/10 21:06:00		
13C-1,2,3,6,7,8-HxCDD	1208.031 pg	60 Percent		11/19/10 21:06:00		
13C-1,2,3,4,6,7,8-HpCDD	1092.257 pg	55 Percent		11/19/10 21:06:00		
13C-OCDD	1965.113 pg	49 Percent		11/19/10 21:06:00		
13C-2,3,7,8-TCDF	1123.292 pg	56 Percent		11/19/10 21:06:00		
13C-1,2,3,7,8-PeCDF	1297.299 pg	65 Percent		11/19/10 21:06:00		
13C-2,3,4,7,8-PeCDF	1292.082 pg	65 Percent		11/19/10 21:06:00		
13C-1,2,3,4,7,8-HxCDF	1196.178 pg	60 Percent		11/19/10 21:06:00		
13C-1,2,3,6,7,8-HxCDF	1167.836 pg	58 Percent		11/19/10 21:06:00		
13C-1,2,3,7,8,9-HxCDF	1387.109 pg	69 Percent		11/19/10 21:06:00		
13C-2,3,4,6,7,8-HxCDF	1176.047 pg	59 Percent		11/19/10 21:06:00		
13C-1,2,3,4,6,7,8-HpCDF	1118.765 pg	56 Percent		11/19/10 21:06:00		
13C-1,2,3,4,7,8,9-HpCDF	1359.354 pg	68 Percent		11/19/10 21:06:00		
37Cl-2,3,7,8-TCDD	570.659 pg	71 Percent		11/19/10 21:06:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	36.406 pg	4.18 ng/Kg		11/19/10 21:06:00	1.15	0.0243	1	4.18	Y	Y
1,2,3,7,8-PeCDD	1.878 pg	0.216 ng/Kg	J	11/19/10 21:06:00	5.74	0.0267	1	0.216	Y	Y
1,2,3,4,7,8-HxCDD	0 pg	0 ng/Kg	U	11/19/10 21:06:00	5.74	0.0501	0.1	0	Y	Y
1,2,3,6,7,8-HxCDD	2.670 pg	0.306 ng/Kg	JK	11/19/10 21:06:00	5.74	0.0623	0.1	0.0306	Y	Y
1,2,3,7,8,9-HxCDD	1.489 pg	0.171 ng/Kg	JK	11/19/10 21:06:00	5.74	0.0545	0.1	0.0171	Y	Y
1,2,3,4,6,7,8-HpCDD	80.802 pg	9.28 ng/Kg		11/19/10 21:06:00	5.74	0.0576	0.01	0.0928	Y	Y
OCDD	1780.349 pg	204 ng/Kg	B	11/19/10 21:06:00	11.5	0.0375	0.0003	0.0612	Y	Y
2,3,7,8-TCDF	151.149 pg	17.3 ng/Kg	C	11/19/10 21:06:00	1.15	0.0432	0.1	1.73	N	Y
1,2,3,7,8-PeCDF	5.561 pg	0.638 ng/Kg	J	11/19/10 21:06:00	5.74	0.0368	0.03	0.0191	Y	Y
2,3,4,7,8-PeCDF	3.967 pg	0.455 ng/Kg	J	11/19/10 21:06:00	5.74	0.0353	0.3	0.137	Y	Y
1,2,3,4,7,8-HxCDF	8.276 pg	0.950 ng/Kg	J	11/19/10 21:06:00	5.74	0.0408	0.1	0.0950	Y	Y
1,2,3,6,7,8-HxCDF	2.310 pg	0.265 ng/Kg	J	11/19/10 21:06:00	5.74	0.0406	0.1	0.0265	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 21:06:00	5.74	0.0455	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/19/10 21:06:00	5.74	0.0432	0.1	0	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-001.R01 / SL0001 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210444 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	7.260 pg	0.833 ng/Kg	JK	11/19/10 21:06:00	5.74	0.0578	0.01	0.00833	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 ng/Kg	U	11/19/10 21:06:00	5.74	0.0640	0.01	0	Y	Y
OCDF	21.881 pg	2.51 ng/Kg	J	11/19/10 21:06:00	11.5	0.0658	0.0003	0.000753	Y	Y
Total Tetra-Dioxins	40.707 pg	4.67 ng/Kg		11/19/10 21:06:00	1.15	0.0243			Y	Y
Total Penta-Dioxins	1.878 pg	0.216 ng/Kg	J	11/19/10 21:06:00	5.74	0.0267			Y	Y
Total Hexa-Dioxins	34.346 pg	3.94 ng/Kg	J	11/19/10 21:06:00	5.74	0.0501			Y	Y
Total Hepta-Dioxins	279.703 pg	32.1 ng/Kg		11/19/10 21:06:00	5.74	0.0576			Y	Y
Total Tetra-Furans	271.513 pg	31.2 ng/Kg		11/19/10 21:06:00	1.15	0.0432			Y	Y
Total Penta-Furans	11.231 pg	1.29 ng/Kg	J	11/19/10 21:06:00	5.74	0.0353			Y	Y
Total Hexa-Furans	14.246 pg	1.64 ng/Kg	J	11/19/10 21:06:00	5.74	0.0408			Y	Y
Total Hepta-Furans	12.075 pg	1.39 ng/Kg	J	11/19/10 21:06:00	5.74	0.0578			Y	Y
Total TEQ	6.61	6.61 ng/Kg		11/19/10 21:06:00				6.61	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-002 / SL0002 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138393 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1202.312 pg	60 Percent		11/20/10 18:58:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	596.499 pg	75 Percent		11/20/10 18:58:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	114.534 pg	12.1 ng/Kg		11/20/10 18:58:00	1.06	0.156	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-002 / SL0002 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138393 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	5.40	5.40 ng/Kg		11/20/10 18:58:00		5.40	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-002.R01 / SL0002 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210445 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1189.912 pg	59 Percent		11/19/10 21:54:00		
13C-1,2,3,7,8-PeCDD	1242.714 pg	62 Percent		11/19/10 21:54:00		
13C-1,2,3,4,7,8-HxCDD	1469.326 pg	73 Percent		11/19/10 21:54:00		
13C-1,2,3,6,7,8-HxCDD	1161.856 pg	58 Percent		11/19/10 21:54:00		
13C-1,2,3,4,6,7,8-HpCDD	930.134 pg	47 Percent		11/19/10 21:54:00		
13C-OCDD	1317.218 pg	33 Percent		11/19/10 21:54:00		
13C-2,3,7,8-TCDF	1064.450 pg	53 Percent		11/19/10 21:54:00		
13C-1,2,3,7,8-PeCDF	1190.809 pg	60 Percent		11/19/10 21:54:00		
13C-2,3,4,7,8-PeCDF	1095.176 pg	55 Percent		11/19/10 21:54:00		
13C-1,2,3,4,7,8-HxCDF	1147.196 pg	57 Percent		11/19/10 21:54:00		
13C-1,2,3,6,7,8-HxCDF	1167.171 pg	58 Percent		11/19/10 21:54:00		
13C-1,2,3,7,8,9-HxCDF	1250.559 pg	63 Percent		11/19/10 21:54:00		
13C-2,3,4,6,7,8-HxCDF	1115.914 pg	56 Percent		11/19/10 21:54:00		
13C-1,2,3,4,6,7,8-HpCDF	1013.960 pg	51 Percent		11/19/10 21:54:00		
13C-1,2,3,4,7,8,9-HpCDF	1068.958 pg	53 Percent		11/19/10 21:54:00		
37Cl-2,3,7,8-TCDD	547.262 pg	68 Percent		11/19/10 21:54:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	29.492 pg	3.13 ng/Kg		11/19/10 21:54:00	1.06	0.0485	1	3.13	Y	Y
1,2,3,7,8-PeCDD	1.152 pg	0.122 ng/Kg	JK	11/19/10 21:54:00	5.30	0.0362	1	0.122	Y	Y
1,2,3,4,7,8-HxCDD	0.928 pg	0.0984 ng/Kg	JK	11/19/10 21:54:00	5.30	0.0589	0.1	0.00984	Y	Y
1,2,3,6,7,8-HxCDD	4.311 pg	0.457 ng/Kg	J	11/19/10 21:54:00	5.30	0.0761	0.1	0.0457	Y	Y
1,2,3,7,8,9-HxCDD	4.075 pg	0.432 ng/Kg	J	11/19/10 21:54:00	5.30	0.0653	0.1	0.0432	Y	Y
1,2,3,4,6,7,8-HpCDD	156.679 pg	16.6 ng/Kg		11/19/10 21:54:00	5.30	0.0636	0.01	0.166	Y	Y
OCDD	3704.924 pg	393 ng/Kg	B	11/19/10 21:54:00	10.6	0.0972	0.0003	0.118	Y	Y
2,3,7,8-TCDF	133.680 pg	14.2 ng/Kg	C	11/19/10 21:54:00	1.06	0.0344	0.1	1.42	N	Y
1,2,3,7,8-PeCDF	6.675 pg	0.708 ng/Kg	J	11/19/10 21:54:00	5.30	0.0448	0.03	0.0212	Y	Y
2,3,4,7,8-PeCDF	4.492 pg	0.476 ng/Kg	JK	11/19/10 21:54:00	5.30	0.0463	0.3	0.143	Y	Y
1,2,3,4,7,8-HxCDF	12.152 pg	1.29 ng/Kg	J	11/19/10 21:54:00	5.30	0.0651	0.1	0.129	Y	Y
1,2,3,6,7,8-HxCDF	2.792 pg	0.296 ng/Kg	J	11/19/10 21:54:00	5.30	0.0637	0.1	0.0296	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 21:54:00	5.30	0.0784	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/19/10 21:54:00	5.30	0.0709	0.1	0	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-002.R01 / SL0002 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210445 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	17.586 pg	1.86 ng/Kg	J	11/19/10 21:54:00	5.30	0.0829	0.01	0.0186	Y	Y
1,2,3,4,7,8,9-HpCDF	1.667 pg	0.177 ng/Kg	JK	11/19/10 21:54:00	5.30	0.109	0.01	0.00177	Y	Y
OCDF	50.100 pg	5.31 ng/Kg	J	11/19/10 21:54:00	10.6	0.0902	0.0003	0.00159	Y	Y
Total Tetra-Dioxins	35.406 pg	3.75 ng/Kg		11/19/10 21:54:00	1.06	0.0485			Y	Y
Total Penta-Dioxins	4.783 pg	0.507 ng/Kg	J	11/19/10 21:54:00	5.30	0.0362			Y	Y
Total Hexa-Dioxins	61.020 pg	6.47 ng/Kg		11/19/10 21:54:00	5.30	0.0589			Y	Y
Total Hepta-Dioxins	414.144 pg	43.9 ng/Kg		11/19/10 21:54:00	5.30	0.0636			Y	Y
Total Tetra-Furans	262.361 pg	27.8 ng/Kg		11/19/10 21:54:00	1.06	0.0344			Y	Y
Total Penta-Furans	33.243 pg	3.52 ng/Kg	J	11/19/10 21:54:00	5.30	0.0463			Y	Y
Total Hexa-Furans	38.368 pg	4.07 ng/Kg	J	11/19/10 21:54:00	5.30	0.0651			Y	Y
Total Hepta-Furans	53.517 pg	5.67 ng/Kg		11/19/10 21:54:00	5.30	0.0829			Y	Y
Total TEQ	5.40	5.40 ng/Kg		11/19/10 21:54:00				5.40	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-003 / SL0003 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138394 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1108.174 pg	55 Percent		11/20/10 19:35:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	582.712 pg	73 Percent		11/20/10 19:35:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	123.304 pg	13.4 ng/Kg		11/20/10 19:35:00	1.09	0.143	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-003 / SL0003 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138394 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	6.78	6.78 ng/Kg		11/20/10 19:35:00		6.78	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-003.R01 / SL0003 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210446 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1215.748 pg	61 Percent		11/19/10 22:43:00		
13C-1,2,3,7,8-PeCDD	1295.600 pg	65 Percent		11/19/10 22:43:00		
13C-1,2,3,4,7,8-HxCDD	1436.869 pg	72 Percent		11/19/10 22:43:00		
13C-1,2,3,6,7,8-HxCDD	1123.165 pg	56 Percent		11/19/10 22:43:00		
13C-1,2,3,4,6,7,8-HpCDD	1031.523 pg	52 Percent		11/19/10 22:43:00		
13C-OCDD	1780.854 pg	45 Percent		11/19/10 22:43:00		
13C-2,3,7,8-TCDF	1031.065 pg	52 Percent		11/19/10 22:43:00		
13C-1,2,3,7,8-PeCDF	1234.030 pg	62 Percent		11/19/10 22:43:00		
13C-2,3,4,7,8-PeCDF	1126.887 pg	56 Percent		11/19/10 22:43:00		
13C-1,2,3,4,7,8-HxCDF	1116.177 pg	56 Percent		11/19/10 22:43:00		
13C-1,2,3,6,7,8-HxCDF	1127.317 pg	56 Percent		11/19/10 22:43:00		
13C-1,2,3,7,8,9-HxCDF	1365.525 pg	68 Percent		11/19/10 22:43:00		
13C-2,3,4,6,7,8-HxCDF	1100.501 pg	55 Percent		11/19/10 22:43:00		
13C-1,2,3,4,6,7,8-HpCDF	1064.713 pg	53 Percent		11/19/10 22:43:00		
13C-1,2,3,4,7,8,9-HpCDF	1253.093 pg	63 Percent		11/19/10 22:43:00		
37Cl-2,3,7,8-TCDD	550.869 pg	69 Percent		11/19/10 22:43:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	33.109 pg	3.61 ng/Kg		11/19/10 22:43:00	1.09	0.0506	1	3.61	Y	Y
1,2,3,7,8-PeCDD	2.030 pg	0.221 ng/Kg	J	11/19/10 22:43:00	5.45	0.0387	1	0.221	Y	Y
1,2,3,4,7,8-HxCDD	2.907 pg	0.317 ng/Kg	JK	11/19/10 22:43:00	5.45	0.0499	0.1	0.0317	Y	Y
1,2,3,6,7,8-HxCDD	11.864 pg	1.29 ng/Kg	J	11/19/10 22:43:00	5.45	0.0639	0.1	0.129	Y	Y
1,2,3,7,8,9-HxCDD	10.464 pg	1.14 ng/Kg	J	11/19/10 22:43:00	5.45	0.0551	0.1	0.114	Y	Y
1,2,3,4,6,7,8-HpCDD	392.057 pg	42.7 ng/Kg		11/19/10 22:43:00	5.45	0.0864	0.01	0.427	Y	Y
OCDD	8468.329 pg	923 ng/Kg	B	11/19/10 22:43:00	10.9	0.0949	0.0003	0.277	Y	Y
2,3,7,8-TCDF	131.473 pg	14.3 ng/Kg	C	11/19/10 22:43:00	1.09	0.0525	0.1	1.43	N	Y
1,2,3,7,8-PeCDF	5.885 pg	0.641 ng/Kg	JK	11/19/10 22:43:00	5.45	0.0517	0.03	0.0192	Y	Y
2,3,4,7,8-PeCDF	4.141 pg	0.451 ng/Kg	JK	11/19/10 22:43:00	5.45	0.0544	0.3	0.135	Y	Y
1,2,3,4,7,8-HxCDF	19.991 pg	2.18 ng/Kg	J	11/19/10 22:43:00	5.45	0.0857	0.1	0.218	Y	Y
1,2,3,6,7,8-HxCDF	5.897 pg	0.642 ng/Kg	J	11/19/10 22:43:00	5.45	0.0846	0.1	0.0642	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 22:43:00	5.45	0.0918	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	3.741 pg	0.408 ng/Kg	J	11/19/10 22:43:00	5.45	0.0924	0.1	0.0408	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-003.R01 / SL0003 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210446 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	50.187 pg	5.47 ng/Kg		11/19/10 22:43:00	5.45	0.0612	0.01	0.0547	Y	Y
1,2,3,4,7,8,9-HpCDF	4.114 pg	0.448 ng/Kg	JK	11/19/10 22:43:00	5.45	0.0705	0.01	0.00448	Y	Y
OCDF	211.749 pg	23.1 ng/Kg		11/19/10 22:43:00	10.9	0.0627	0.0003	0.00693	Y	Y
Total Tetra-Dioxins	36.419 pg	3.97 ng/Kg		11/19/10 22:43:00	1.09	0.0506			Y	Y
Total Penta-Dioxins	10.573 pg	1.15 ng/Kg	J	11/19/10 22:43:00	5.45	0.0387			Y	Y
Total Hexa-Dioxins	131.576 pg	14.3 ng/Kg		11/19/10 22:43:00	5.45	0.0499			Y	Y
Total Hepta-Dioxins	1160.447 pg	126 ng/Kg		11/19/10 22:43:00	5.45	0.0864			Y	Y
Total Tetra-Furans	218.376 pg	23.8 ng/Kg		11/19/10 22:43:00	1.09	0.0525			Y	Y
Total Penta-Furans	19.326 pg	2.11 ng/Kg	J	11/19/10 22:43:00	5.45	0.0544			Y	Y
Total Hexa-Furans	81.928 pg	8.93 ng/Kg		11/19/10 22:43:00	5.45	0.0857			Y	Y
Total Hepta-Furans	138.427 pg	15.1 ng/Kg		11/19/10 22:43:00	5.45	0.0612			Y	Y
Total TEQ	6.78	6.78 ng/Kg		11/19/10 22:43:00				6.78	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-004 / SL0004 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138395 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1161.814 pg	58 Percent		11/20/10 20:12:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	590.053 pg	74 Percent		11/20/10 20:12:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	90.663 pg	9.85 ng/Kg		11/20/10 20:12:00	1.09	0.118	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-004 / SL0004 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138395 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	6.78	6.78 ng/Kg		11/20/10 20:12:00		6.78	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-004.R01 / SL0004 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210447 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1294.937 pg	65 Percent		11/19/10 23:31:00		
13C-1,2,3,7,8-PeCDD	1380.421 pg	69 Percent		11/19/10 23:31:00		
13C-1,2,3,4,7,8-HxCDD	1470.001 pg	74 Percent		11/19/10 23:31:00		
13C-1,2,3,6,7,8-HxCDD	1297.225 pg	65 Percent		11/19/10 23:31:00		
13C-1,2,3,4,6,7,8-HpCDD	1089.746 pg	54 Percent		11/19/10 23:31:00		
13C-OCDD	1683.159 pg	42 Percent		11/19/10 23:31:00		
13C-2,3,7,8-TCDF	1078.541 pg	54 Percent		11/19/10 23:31:00		
13C-1,2,3,7,8-PeCDF	1326.753 pg	66 Percent		11/19/10 23:31:00		
13C-2,3,4,7,8-PeCDF	1194.172 pg	60 Percent		11/19/10 23:31:00		
13C-1,2,3,4,7,8-HxCDF	1208.949 pg	60 Percent		11/19/10 23:31:00		
13C-1,2,3,6,7,8-HxCDF	1210.689 pg	61 Percent		11/19/10 23:31:00		
13C-1,2,3,7,8,9-HxCDF	1393.804 pg	70 Percent		11/19/10 23:31:00		
13C-2,3,4,6,7,8-HxCDF	1192.614 pg	60 Percent		11/19/10 23:31:00		
13C-1,2,3,4,6,7,8-HpCDF	1172.731 pg	59 Percent		11/19/10 23:31:00		
13C-1,2,3,4,7,8,9-HpCDF	1269.461 pg	63 Percent		11/19/10 23:31:00		
37Cl-2,3,7,8-TCDD	588.597 pg	74 Percent		11/19/10 23:31:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	21.669 pg	2.35 ng/Kg		11/19/10 23:31:00	1.09	0.0453	1	2.35	Y	Y
1,2,3,7,8-PeCDD	3.089 pg	0.336 ng/Kg	J	11/19/10 23:31:00	5.43	0.0252	1	0.336	Y	Y
1,2,3,4,7,8-HxCDD	8.106 pg	0.880 ng/Kg	J	11/19/10 23:31:00	5.43	0.0758	0.1	0.0880	Y	Y
1,2,3,6,7,8-HxCDD	30.063 pg	3.27 ng/Kg	J	11/19/10 23:31:00	5.43	0.0928	0.1	0.327	Y	Y
1,2,3,7,8,9-HxCDD	17.846 pg	1.94 ng/Kg	JK	11/19/10 23:31:00	5.43	0.0817	0.1	0.194	Y	Y
1,2,3,4,6,7,8-HpCDD	1192.538 pg	130 ng/Kg		11/19/10 23:31:00	5.43	0.0956	0.01	1.30	Y	Y
OCDD	14581.877 pg	1580 ng/Kg	B	11/19/10 23:31:00	10.9	0.0589	0.0003	0.474	Y	Y
2,3,7,8-TCDF	96.238 pg	10.5 ng/Kg	C	11/19/10 23:31:00	1.09	0.0411	0.1	1.05	N	Y
1,2,3,7,8-PeCDF	4.258 pg	0.462 ng/Kg	JK	11/19/10 23:31:00	5.43	0.0355	0.03	0.0139	Y	Y
2,3,4,7,8-PeCDF	4.375 pg	0.475 ng/Kg	J	11/19/10 23:31:00	5.43	0.0374	0.3	0.143	Y	Y
1,2,3,4,7,8-HxCDF	15.082 pg	1.64 ng/Kg	J	11/19/10 23:31:00	5.43	0.0556	0.1	0.164	Y	Y
1,2,3,6,7,8-HxCDF	7.051 pg	0.766 ng/Kg	J	11/19/10 23:31:00	5.43	0.0522	0.1	0.0766	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 23:31:00	5.43	0.0619	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	7.147 pg	0.776 ng/Kg	J	11/19/10 23:31:00	5.43	0.0592	0.1	0.0776	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-004.R01 / SL0004 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210447 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	141.764 pg	15.4 ng/Kg		11/19/10 23:31:00	5.43	0.175	0.01	0.154	Y	Y
1,2,3,4,7,8,9-HpCDF	15.655 pg	1.70 ng/Kg	J	11/19/10 23:31:00	5.43	0.220	0.01	0.0170	Y	Y
OCDF	591.886 pg	64.3 ng/Kg		11/19/10 23:31:00	10.9	0.0611	0.0003	0.0193	Y	Y
Total Tetra-Dioxins	23.754 pg	2.58 ng/Kg		11/19/10 23:31:00	1.09	0.0453			Y	Y
Total Penta-Dioxins	14.059 pg	1.53 ng/Kg	J	11/19/10 23:31:00	5.43	0.0252			Y	Y
Total Hexa-Dioxins	181.609 pg	19.7 ng/Kg		11/19/10 23:31:00	5.43	0.0758			Y	Y
Total Hepta-Dioxins	2493.530 pg	271 ng/Kg		11/19/10 23:31:00	5.43	0.0956			Y	Y
Total Tetra-Furans	161.841 pg	17.6 ng/Kg		11/19/10 23:31:00	1.09	0.0411			Y	Y
Total Penta-Furans	42.871 pg	4.66 ng/Kg	J	11/19/10 23:31:00	5.43	0.0374			Y	Y
Total Hexa-Furans	174.249 pg	18.9 ng/Kg		11/19/10 23:31:00	5.43	0.0556			Y	Y
Total Hepta-Furans	557.034 pg	60.5 ng/Kg		11/19/10 23:31:00	5.43	0.175			Y	Y
Total TEQ	6.78	6.78 ng/Kg		11/19/10 23:31:00				6.78	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-005 / SL0005 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138396 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1079.889 pg	54 Percent		11/20/10 20:49:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	532.560 pg	67 Percent		11/20/10 20:49:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	82.350 pg	9.08 ng/Kg		11/20/10 20:49:00	1.10	0.204	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-005 / SL0005 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138396 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	3.12	3.12 ng/Kg		11/20/10 20:49:00		3.12	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-005.R01 / SL0005 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210448 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1064.183 pg	53 Percent		11/20/10 00:20:00		
13C-1,2,3,7,8-PeCDD	1257.840 pg	63 Percent		11/20/10 00:20:00		
13C-1,2,3,4,7,8-HxCDD	1519.901 pg	76 Percent		11/20/10 00:20:00		
13C-1,2,3,6,7,8-HxCDD	1283.327 pg	64 Percent		11/20/10 00:20:00		
13C-1,2,3,4,6,7,8-HpCDD	1097.809 pg	55 Percent		11/20/10 00:20:00		
13C-OCDD	1935.073 pg	48 Percent		11/20/10 00:20:00		
13C-2,3,7,8-TCDF	921.543 pg	46 Percent		11/20/10 00:20:00		
13C-1,2,3,7,8-PeCDF	1186.989 pg	59 Percent		11/20/10 00:20:00		
13C-2,3,4,7,8-PeCDF	1169.214 pg	58 Percent		11/20/10 00:20:00		
13C-1,2,3,4,7,8-HxCDF	1244.090 pg	62 Percent		11/20/10 00:20:00		
13C-1,2,3,6,7,8-HxCDF	1216.289 pg	61 Percent		11/20/10 00:20:00		
13C-1,2,3,7,8,9-HxCDF	1302.226 pg	65 Percent		11/20/10 00:20:00		
13C-2,3,4,6,7,8-HxCDF	1205.476 pg	60 Percent		11/20/10 00:20:00		
13C-1,2,3,4,6,7,8-HpCDF	1248.366 pg	62 Percent		11/20/10 00:20:00		
13C-1,2,3,4,7,8,9-HpCDF	1259.461 pg	63 Percent		11/20/10 00:20:00		
37Cl-2,3,7,8-TCDD	485.028 pg	61 Percent		11/20/10 00:20:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	17.215 pg	1.90 ng/Kg	K	11/20/10 00:20:00	1.10	0.0293	1	1.90	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/20/10 00:20:00	5.51	0.0359	1	0	Y	Y
1,2,3,4,7,8-HxCDD	0.727 pg	0.0802 ng/Kg	J	11/20/10 00:20:00	5.51	0.0384	0.1	0.00802	Y	Y
1,2,3,6,7,8-HxCDD	1.373 pg	0.151 ng/Kg	JK	11/20/10 00:20:00	5.51	0.0476	0.1	0.0151	Y	Y
1,2,3,7,8,9-HxCDD	1.649 pg	0.182 ng/Kg	JK	11/20/10 00:20:00	5.51	0.0417	0.1	0.0182	Y	Y
1,2,3,4,6,7,8-HpCDD	38.960 pg	4.30 ng/Kg	J	11/20/10 00:20:00	5.51	0.0194	0.01	0.0430	Y	Y
OCDD	1087.385 pg	120 ng/Kg	B	11/20/10 00:20:00	11.0	0.0620	0.0003	0.0360	Y	Y
2,3,7,8-TCDF	86.705 pg	9.56 ng/Kg	C	11/20/10 00:20:00	1.10	0.0443	0.1	0.956	N	Y
1,2,3,7,8-PeCDF	2.507 pg	0.277 ng/Kg	J	11/20/10 00:20:00	5.51	0.0310	0.03	0.00831	Y	Y
2,3,4,7,8-PeCDF	2.246 pg	0.248 ng/Kg	J	11/20/10 00:20:00	5.51	0.0297	0.3	0.0744	Y	Y
1,2,3,4,7,8-HxCDF	4.060 pg	0.448 ng/Kg	J	11/20/10 00:20:00	5.51	0.0391	0.1	0.0448	Y	Y
1,2,3,6,7,8-HxCDF	0.913 pg	0.101 ng/Kg	JK	11/20/10 00:20:00	5.51	0.0378	0.1	0.0101	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 00:20:00	5.51	0.0496	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/20/10 00:20:00	5.51	0.0417	0.1	0	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-005.R01 / SL0005 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210448 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	2.547 pg	0.281 ng/Kg	JK	11/20/10 00:20:00	5.51	0.0494	0.01	0.00281	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 ng/Kg	U	11/20/10 00:20:00	5.51	0.0659	0.01	0	Y	Y
OCDF	9.505 pg	1.05 ng/Kg	J	11/20/10 00:20:00	11.0	0.0586	0.0003	0.000315	Y	Y
Total Tetra-Dioxins	4.207 pg	0.464 ng/Kg	J	11/20/10 00:20:00	1.10	0.0293			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/20/10 00:20:00	5.51	0.0359			Y	Y
Total Hexa-Dioxins	26.180 pg	2.89 ng/Kg	J	11/20/10 00:20:00	5.51	0.0384			Y	Y
Total Hepta-Dioxins	121.697 pg	13.4 ng/Kg		11/20/10 00:20:00	5.51	0.0194			Y	Y
Total Tetra-Furans	144.105 pg	15.9 ng/Kg		11/20/10 00:20:00	1.10	0.0443			Y	Y
Total Penta-Furans	4.753 pg	0.524 ng/Kg	J	11/20/10 00:20:00	5.51	0.0297			Y	Y
Total Hexa-Furans	5.630 pg	0.621 ng/Kg	J	11/20/10 00:20:00	5.51	0.0391			Y	Y
Total Hepta-Furans	4.965 pg	0.548 ng/Kg	J	11/20/10 00:20:00	5.51	0.0494			Y	Y
Total TEQ	3.12	3.12 ng/Kg		11/20/10 00:20:00				3.12	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-006 / SL0006 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138397 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1103.506 pg	55 Percent		11/20/10 21:26:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	539.538 pg	67 Percent		11/20/10 21:26:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	93.974 pg	10.5 ng/Kg		11/20/10 21:26:00	1.11	0.173	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-006 / SL0006 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138397 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	4.07	4.07 ng/Kg		11/20/10 21:26:00		4.07	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-006.R01 / SL0006 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210449 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1069.810 pg	53 Percent		11/20/10 01:08:00		
13C-1,2,3,7,8-PeCDD	1146.081 pg	57 Percent		11/20/10 01:08:00		
13C-1,2,3,4,7,8-HxCDD	1327.247 pg	66 Percent		11/20/10 01:08:00		
13C-1,2,3,6,7,8-HxCDD	1173.586 pg	59 Percent		11/20/10 01:08:00		
13C-1,2,3,4,6,7,8-HpCDD	958.358 pg	48 Percent		11/20/10 01:08:00		
13C-OCDD	1661.969 pg	42 Percent		11/20/10 01:08:00		
13C-2,3,7,8-TCDF	935.474 pg	47 Percent		11/20/10 01:08:00		
13C-1,2,3,7,8-PeCDF	1100.874 pg	55 Percent		11/20/10 01:08:00		
13C-2,3,4,7,8-PeCDF	1055.794 pg	53 Percent		11/20/10 01:08:00		
13C-1,2,3,4,7,8-HxCDF	1069.611 pg	53 Percent		11/20/10 01:08:00		
13C-1,2,3,6,7,8-HxCDF	1062.353 pg	53 Percent		11/20/10 01:08:00		
13C-1,2,3,7,8,9-HxCDF	1178.979 pg	59 Percent		11/20/10 01:08:00		
13C-2,3,4,6,7,8-HxCDF	1075.781 pg	54 Percent		11/20/10 01:08:00		
13C-1,2,3,4,6,7,8-HpCDF	1043.967 pg	52 Percent		11/20/10 01:08:00		
13C-1,2,3,4,7,8,9-HpCDF	1112.081 pg	56 Percent		11/20/10 01:08:00		
37Cl-2,3,7,8-TCDD	487.169 pg	61 Percent		11/20/10 01:08:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	23.401 pg	2.61 ng/Kg		11/20/10 01:08:00	1.11	0.0452	1	2.61	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/20/10 01:08:00	5.57	0.116	1	0	Y	Y
1,2,3,4,7,8-HxCDD	0 pg	0 ng/Kg	U	11/20/10 01:08:00	5.57	0.0584	0.1	0	Y	Y
1,2,3,6,7,8-HxCDD	2.081 pg	0.232 ng/Kg	J	11/20/10 01:08:00	5.57	0.0703	0.1	0.0232	Y	Y
1,2,3,7,8,9-HxCDD	2.388 pg	0.266 ng/Kg	JK	11/20/10 01:08:00	5.57	0.0625	0.1	0.0266	Y	Y
1,2,3,4,6,7,8-HpCDD	70.919 pg	7.90 ng/Kg		11/20/10 01:08:00	5.57	0.0707	0.01	0.0790	Y	Y
OCDD	1618.461 pg	180 ng/Kg	B	11/20/10 01:08:00	11.1	0.0624	0.0003	0.0540	Y	Y
2,3,7,8-TCDF	97.209 pg	10.8 ng/Kg	C	11/20/10 01:08:00	1.11	0.0507	0.1	1.08	N	Y
1,2,3,7,8-PeCDF	3.081 pg	0.343 ng/Kg	J	11/20/10 01:08:00	5.57	0.0531	0.03	0.0103	Y	Y
2,3,4,7,8-PeCDF	2.007 pg	0.224 ng/Kg	JK	11/20/10 01:08:00	5.57	0.0533	0.3	0.0672	Y	Y
1,2,3,4,7,8-HxCDF	6.346 pg	0.707 ng/Kg	J	11/20/10 01:08:00	5.57	0.0320	0.1	0.0707	Y	Y
1,2,3,6,7,8-HxCDF	1.933 pg	0.215 ng/Kg	J	11/20/10 01:08:00	5.57	0.0301	0.1	0.0215	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 01:08:00	5.57	0.0380	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0.593 pg	0.0660 ng/Kg	JK	11/20/10 01:08:00	5.57	0.0341	0.1	0.00660	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-006.R01 / SL0006 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210449 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	13.018 pg	1.45 ng/Kg	J	11/20/10 01:08:00	5.57	0.0870	0.01	0.0145	Y	Y
1,2,3,4,7,8,9-HpCDF	1.343 pg	0.150 ng/Kg	JK	11/20/10 01:08:00	5.57	0.113	0.01	0.00150	Y	Y
OCDF	57.135 pg	6.36 ng/Kg	J	11/20/10 01:08:00	11.1	0.0487	0.0003	0.00191	Y	Y
Total Tetra-Dioxins	25.456 pg	2.83 ng/Kg		11/20/10 01:08:00	1.11	0.0452			Y	Y
Total Penta-Dioxins	6.816 pg	0.759 ng/Kg	J	11/20/10 01:08:00	5.57	0.116			Y	Y
Total Hexa-Dioxins	30.077 pg	3.35 ng/Kg	J	11/20/10 01:08:00	5.57	0.0584			Y	Y
Total Hepta-Dioxins	194.455 pg	21.7 ng/Kg		11/20/10 01:08:00	5.57	0.0707			Y	Y
Total Tetra-Furans	173.276 pg	19.3 ng/Kg		11/20/10 01:08:00	1.11	0.0507			Y	Y
Total Penta-Furans	6.240 pg	0.695 ng/Kg	J	11/20/10 01:08:00	5.57	0.0533			Y	Y
Total Hexa-Furans	16.624 pg	1.85 ng/Kg	J	11/20/10 01:08:00	5.57	0.0320			Y	Y
Total Hepta-Furans	39.199 pg	4.37 ng/Kg	J	11/20/10 01:08:00	5.57	0.0870			Y	Y
Total TEQ	4.07	4.07 ng/Kg		11/20/10 01:08:00				4.07	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-007 / SL0007 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138398 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1080.523 pg	54 Percent		11/20/10 22:03:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	541.425 pg	68 Percent		11/20/10 22:03:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	5.578 pg	0.592 ng/Kg	J	11/20/10 22:03:00	1.06	0.163	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-007 / SL0007 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138398 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	2.47	2.47 ng/Kg		11/20/10 22:03:00		2.47	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-007.R01 / SL0007 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210450 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1048.376 pg	52 Percent		11/20/10 01:57:00		
13C-1,2,3,7,8-PeCDD	1143.562 pg	57 Percent		11/20/10 01:57:00		
13C-1,2,3,4,7,8-HxCDD	1340.621 pg	67 Percent		11/20/10 01:57:00		
13C-1,2,3,6,7,8-HxCDD	1071.184 pg	54 Percent		11/20/10 01:57:00		
13C-1,2,3,4,6,7,8-HpCDD	901.124 pg	45 Percent		11/20/10 01:57:00		
13C-OCDD	1466.581 pg	37 Percent		11/20/10 01:57:00		
13C-2,3,7,8-TCDF	902.628 pg	45 Percent		11/20/10 01:57:00		
13C-1,2,3,7,8-PeCDF	1104.232 pg	55 Percent		11/20/10 01:57:00		
13C-2,3,4,7,8-PeCDF	1029.674 pg	51 Percent		11/20/10 01:57:00		
13C-1,2,3,4,7,8-HxCDF	1022.351 pg	51 Percent		11/20/10 01:57:00		
13C-1,2,3,6,7,8-HxCDF	1054.849 pg	53 Percent		11/20/10 01:57:00		
13C-1,2,3,7,8,9-HxCDF	1222.495 pg	61 Percent		11/20/10 01:57:00		
13C-2,3,4,6,7,8-HxCDF	1030.573 pg	52 Percent		11/20/10 01:57:00		
13C-1,2,3,4,6,7,8-HpCDF	952.979 pg	48 Percent		11/20/10 01:57:00		
13C-1,2,3,4,7,8,9-HpCDF	1081.988 pg	54 Percent		11/20/10 01:57:00		
37Cl-2,3,7,8-TCDD	480.065 pg	60 Percent		11/20/10 01:57:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	1.492 pg	0.158 ng/Kg	JK	11/20/10 01:57:00	1.06	0.0385	1	0.158	Y	Y
1,2,3,7,8-PeCDD	1.412 pg	0.150 ng/Kg	JK	11/20/10 01:57:00	5.30	0.0339	1	0.150	Y	Y
1,2,3,4,7,8-HxCDD	3.608 pg	0.383 ng/Kg	J	11/20/10 01:57:00	5.30	0.0425	0.1	0.0383	Y	Y
1,2,3,6,7,8-HxCDD	8.059 pg	0.855 ng/Kg	JK	11/20/10 01:57:00	5.30	0.0550	0.1	0.0855	Y	Y
1,2,3,7,8,9-HxCDD	11.510 pg	1.22 ng/Kg	J	11/20/10 01:57:00	5.30	0.0471	0.1	0.122	Y	Y
1,2,3,4,6,7,8-HpCDD	401.434 pg	42.6 ng/Kg		11/20/10 01:57:00	5.30	0.0361	0.01	0.426	Y	Y
OCDD	37088.050 pg	3930 ng/Kg	B	11/20/10 01:57:00	10.6	0.0918	0.0003	1.18	Y	Y
2,3,7,8-TCDF	7.542 pg	0.800 ng/Kg	CJ	11/20/10 01:57:00	1.06	0.0492	0.1	0.0800	N	Y
1,2,3,7,8-PeCDF	1.802 pg	0.191 ng/Kg	J	11/20/10 01:57:00	5.30	0.0464	0.03	0.00573	Y	Y
2,3,4,7,8-PeCDF	2.557 pg	0.271 ng/Kg	JK	11/20/10 01:57:00	5.30	0.0476	0.3	0.0813	Y	Y
1,2,3,4,7,8-HxCDF	4.442 pg	0.471 ng/Kg	J	11/20/10 01:57:00	5.30	0.0940	0.1	0.0471	Y	Y
1,2,3,6,7,8-HxCDF	2.026 pg	0.215 ng/Kg	JK	11/20/10 01:57:00	5.30	0.0920	0.1	0.0215	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 01:57:00	5.30	0.105	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	3.276 pg	0.347 ng/Kg	J	11/20/10 01:57:00	5.30	0.0989	0.1	0.0347	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-007.R01 / SL0007 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210450 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	32.786 pg	3.48 ng/Kg	J	11/20/10 01:57:00	5.30	0.0634	0.01	0.0348	Y	Y
1,2,3,4,7,8,9-HpCDF	1.998 pg	0.212 ng/Kg	J	11/20/10 01:57:00	5.30	0.0771	0.01	0.00212	Y	Y
OCDF	86.256 pg	9.15 ng/Kg	J	11/20/10 01:57:00	10.6	0.0661	0.0003	0.00275	Y	Y
Total Tetra-Dioxins	5.556 pg	0.589 ng/Kg	J	11/20/10 01:57:00	1.06	0.0385			Y	Y
Total Penta-Dioxins	8.968 pg	0.951 ng/Kg	J	11/20/10 01:57:00	5.30	0.0339			Y	Y
Total Hexa-Dioxins	118.364 pg	12.6 ng/Kg		11/20/10 01:57:00	5.30	0.0425			Y	Y
Total Hepta-Dioxins	1015.911 pg	108 ng/Kg		11/20/10 01:57:00	5.30	0.0361			Y	Y
Total Tetra-Furans	19.293 pg	2.05 ng/Kg		11/20/10 01:57:00	1.06	0.0492			Y	Y
Total Penta-Furans	75.163 pg	7.97 ng/Kg		11/20/10 01:57:00	5.30	0.0476			Y	Y
Total Hexa-Furans	55.628 pg	5.90 ng/Kg		11/20/10 01:57:00	5.30	0.0940			Y	Y
Total Hepta-Furans	88.470 pg	9.38 ng/Kg		11/20/10 01:57:00	5.30	0.0634			Y	Y
Total TEQ	2.47	2.47 ng/Kg		11/20/10 01:57:00				2.47	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-008 / SL0008 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138399 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1127.015 pg	56 Percent		11/20/10 22:40:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	545.065 pg	68 Percent		11/20/10 22:40:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	9.417 pg	1.01 ng/Kg	J	11/20/10 22:40:00	1.07	0.140	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-008 / SL0008 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138399 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	1.70	1.70 ng/Kg		11/20/10 22:40:00		1.70	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-008.R01 / SL0008 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210451 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1076.994 pg	54 Percent		11/20/10 02:45:00		
13C-1,2,3,7,8-PeCDD	1122.461 pg	56 Percent		11/20/10 02:45:00		
13C-1,2,3,4,7,8-HxCDD	1287.261 pg	64 Percent		11/20/10 02:45:00		
13C-1,2,3,6,7,8-HxCDD	1034.036 pg	52 Percent		11/20/10 02:45:00		
13C-1,2,3,4,6,7,8-HpCDD	870.521 pg	44 Percent		11/20/10 02:45:00		
13C-OCDD	1290.136 pg	32 Percent		11/20/10 02:45:00		
13C-2,3,7,8-TCDF	944.847 pg	47 Percent		11/20/10 02:45:00		
13C-1,2,3,7,8-PeCDF	1098.218 pg	55 Percent		11/20/10 02:45:00		
13C-2,3,4,7,8-PeCDF	1025.273 pg	51 Percent		11/20/10 02:45:00		
13C-1,2,3,4,7,8-HxCDF	993.853 pg	50 Percent		11/20/10 02:45:00		
13C-1,2,3,6,7,8-HxCDF	1019.237 pg	51 Percent		11/20/10 02:45:00		
13C-1,2,3,7,8,9-HxCDF	1182.281 pg	59 Percent		11/20/10 02:45:00		
13C-2,3,4,6,7,8-HxCDF	1022.895 pg	51 Percent		11/20/10 02:45:00		
13C-1,2,3,4,6,7,8-HpCDF	919.456 pg	46 Percent		11/20/10 02:45:00		
13C-1,2,3,4,7,8,9-HpCDF	1039.224 pg	52 Percent		11/20/10 02:45:00		
37Cl-2,3,7,8-TCDD	487.103 pg	61 Percent		11/20/10 02:45:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	2.787 pg	0.299 ng/Kg	J	11/20/10 02:45:00	1.07	0.0483	1	0.299	Y	Y
1,2,3,7,8-PeCDD	1.298 pg	0.139 ng/Kg	J	11/20/10 02:45:00	5.37	0.0363	1	0.139	Y	Y
1,2,3,4,7,8-HxCDD	2.091 pg	0.225 ng/Kg	JK	11/20/10 02:45:00	5.37	0.0864	0.1	0.0225	Y	Y
1,2,3,6,7,8-HxCDD	6.562 pg	0.705 ng/Kg	J	11/20/10 02:45:00	5.37	0.111	0.1	0.0705	Y	Y
1,2,3,7,8,9-HxCDD	7.989 pg	0.858 ng/Kg	J	11/20/10 02:45:00	5.37	0.0954	0.1	0.0858	Y	Y
1,2,3,4,6,7,8-HpCDD	273.753 pg	29.4 ng/Kg		11/20/10 02:45:00	5.37	0.0953	0.01	0.294	Y	Y
OCDD	14682.153 pg	1580 ng/Kg	B	11/20/10 02:45:00	10.7	0.0936	0.0003	0.474	Y	Y
2,3,7,8-TCDF	11.963 pg	1.28 ng/Kg	C	11/20/10 02:45:00	1.07	0.0485	0.1	0.128	N	Y
1,2,3,7,8-PeCDF	0.887 pg	0.0952 ng/Kg	JK	11/20/10 02:45:00	5.37	0.0420	0.03	0.00286	Y	Y
2,3,4,7,8-PeCDF	2.461 pg	0.264 ng/Kg	J	11/20/10 02:45:00	5.37	0.0429	0.3	0.0792	Y	Y
1,2,3,4,7,8-HxCDF	3.221 pg	0.346 ng/Kg	JK	11/20/10 02:45:00	5.37	0.0863	0.1	0.0346	Y	Y
1,2,3,6,7,8-HxCDF	2.351 pg	0.252 ng/Kg	J	11/20/10 02:45:00	5.37	0.0829	0.1	0.0252	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 02:45:00	5.37	0.0981	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0.990 pg	0.106 ng/Kg	JK	11/20/10 02:45:00	5.37	0.0883	0.1	0.0106	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-008.R01 / SL0008 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210451 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	27.044 pg	2.90 ng/Kg	J	11/20/10 02:45:00	5.37	0.0667	0.01	0.0290	Y	Y
1,2,3,4,7,8,9-HpCDF	2.756 pg	0.296 ng/Kg	J	11/20/10 02:45:00	5.37	0.0829	0.01	0.00296	Y	Y
OCDF	82.541 pg	8.86 ng/Kg	J	11/20/10 02:45:00	10.7	0.0985	0.0003	0.00266	Y	Y
Total Tetra-Dioxins	8.001 pg	0.859 ng/Kg	J	11/20/10 02:45:00	1.07	0.0483			Y	Y
Total Penta-Dioxins	10.936 pg	1.17 ng/Kg	J	11/20/10 02:45:00	5.37	0.0363			Y	Y
Total Hexa-Dioxins	97.578 pg	10.5 ng/Kg		11/20/10 02:45:00	5.37	0.0864			Y	Y
Total Hepta-Dioxins	718.976 pg	77.2 ng/Kg		11/20/10 02:45:00	5.37	0.0953			Y	Y
Total Tetra-Furans	27.393 pg	2.94 ng/Kg		11/20/10 02:45:00	1.07	0.0485			Y	Y
Total Penta-Furans	29.990 pg	3.22 ng/Kg	J	11/20/10 02:45:00	5.37	0.0429			Y	Y
Total Hexa-Furans	44.317 pg	4.76 ng/Kg	J	11/20/10 02:45:00	5.37	0.0863			Y	Y
Total Hepta-Furans	78.899 pg	8.47 ng/Kg		11/20/10 02:45:00	5.37	0.0667			Y	Y
Total TEQ	1.70	1.70 ng/Kg		11/20/10 02:45:00				1.70	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-009 / SL0009 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138400 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1453.293 pg	73 Percent		11/20/10 23:17:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	658.809 pg	82 Percent		11/20/10 23:17:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	45.433 pg	5.18 ng/Kg		11/20/10 23:17:00	1.14	0.125	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-009 / SL0009 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138400 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	2.39	2.39 ng/Kg		11/20/10 23:17:00		2.39	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-009.R01 / SL0009 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210452 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1341.185 pg	67 Percent		11/20/10 03:34:00		
13C-1,2,3,7,8-PeCDD	1359.209 pg	68 Percent		11/20/10 03:34:00		
13C-1,2,3,4,7,8-HxCDD	1675.371 pg	84 Percent		11/20/10 03:34:00		
13C-1,2,3,6,7,8-HxCDD	1281.167 pg	64 Percent		11/20/10 03:34:00		
13C-1,2,3,4,6,7,8-HpCDD	1035.230 pg	52 Percent		11/20/10 03:34:00		
13C-OCDD	1577.400 pg	39 Percent		11/20/10 03:34:00		
13C-2,3,7,8-TCDF	1222.986 pg	61 Percent		11/20/10 03:34:00		
13C-1,2,3,7,8-PeCDF	1288.259 pg	64 Percent		11/20/10 03:34:00		
13C-2,3,4,7,8-PeCDF	1317.065 pg	66 Percent		11/20/10 03:34:00		
13C-1,2,3,4,7,8-HxCDF	1250.130 pg	63 Percent		11/20/10 03:34:00		
13C-1,2,3,6,7,8-HxCDF	1235.197 pg	62 Percent		11/20/10 03:34:00		
13C-1,2,3,7,8,9-HxCDF	1401.096 pg	70 Percent		11/20/10 03:34:00		
13C-2,3,4,6,7,8-HxCDF	1387.571 pg	69 Percent		11/20/10 03:34:00		
13C-1,2,3,4,6,7,8-HpCDF	1108.155 pg	55 Percent		11/20/10 03:34:00		
13C-1,2,3,4,7,8,9-HpCDF	1213.532 pg	61 Percent		11/20/10 03:34:00		
37Cl-2,3,7,8-TCDD	631.392 pg	79 Percent		11/20/10 03:34:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	11.244 pg	1.28 ng/Kg		11/20/10 03:34:00	1.14	0.0303	1	1.28	Y	Y
1,2,3,7,8-PeCDD	0.863 pg	0.0984 ng/Kg	JK	11/20/10 03:34:00	5.70	0.0318	1	0.0984	Y	Y
1,2,3,4,7,8-HxCDD	0.905 pg	0.103 ng/Kg	JK	11/20/10 03:34:00	5.70	0.0592	0.1	0.0103	Y	Y
1,2,3,6,7,8-HxCDD	3.343 pg	0.381 ng/Kg	J	11/20/10 03:34:00	5.70	0.0766	0.1	0.0381	Y	Y
1,2,3,7,8,9-HxCDD	2.917 pg	0.333 ng/Kg	J	11/20/10 03:34:00	5.70	0.0656	0.1	0.0333	Y	Y
1,2,3,4,6,7,8-HpCDD	122.602 pg	14.0 ng/Kg		11/20/10 03:34:00	5.70	0.0497	0.01	0.140	Y	Y
OCDD	3648.902 pg	416 ng/Kg	B	11/20/10 03:34:00	11.4	0.0811	0.0003	0.125	Y	Y
2,3,7,8-TCDF	47.058 pg	5.37 ng/Kg	C	11/20/10 03:34:00	1.14	0.0270	0.1	0.537	N	Y
1,2,3,7,8-PeCDF	1.842 pg	0.210 ng/Kg	JK	11/20/10 03:34:00	5.70	0.0450	0.03	0.00630	Y	Y
2,3,4,7,8-PeCDF	0.972 pg	0.111 ng/Kg	JK	11/20/10 03:34:00	5.70	0.0426	0.3	0.0333	Y	Y
1,2,3,4,7,8-HxCDF	3.961 pg	0.452 ng/Kg	J	11/20/10 03:34:00	5.70	0.0695	0.1	0.0452	Y	Y
1,2,3,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/20/10 03:34:00	5.70	0.0681	0.1	0	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 03:34:00	5.70	0.0790	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	2.045 pg	0.233 ng/Kg	J	11/20/10 03:34:00	5.70	0.0643	0.1	0.0233	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-009.R01 / SL0009 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210452 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	16.272 pg	1.86 ng/Kg	J	11/20/10 03:34:00	5.70	0.0524	0.01	0.0186	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 ng/Kg	U	11/20/10 03:34:00	5.70	0.0649	0.01	0	Y	Y
OCDF	45.084 pg	5.14 ng/Kg	J	11/20/10 03:34:00	11.4	0.112	0.0003	0.00154	Y	Y
Total Tetra-Dioxins	13.725 pg	1.57 ng/Kg		11/20/10 03:34:00	1.14	0.0303			Y	Y
Total Penta-Dioxins	3.775 pg	0.431 ng/Kg	J	11/20/10 03:34:00	5.70	0.0318			Y	Y
Total Hexa-Dioxins	42.818 pg	4.88 ng/Kg	J	11/20/10 03:34:00	5.70	0.0592			Y	Y
Total Hepta-Dioxins	322.351 pg	36.8 ng/Kg		11/20/10 03:34:00	5.70	0.0497			Y	Y
Total Tetra-Furans	75.014 pg	8.56 ng/Kg		11/20/10 03:34:00	1.14	0.0270			Y	Y
Total Penta-Furans	23.832 pg	2.72 ng/Kg	J	11/20/10 03:34:00	5.70	0.0426			Y	Y
Total Hexa-Furans	26.257 pg	2.99 ng/Kg	J	11/20/10 03:34:00	5.70	0.0695			Y	Y
Total Hepta-Furans	50.972 pg	5.81 ng/Kg		11/20/10 03:34:00	5.70	0.0524			Y	Y
Total TEQ	2.39	2.39 ng/Kg		11/20/10 03:34:00				2.39	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-010 / SL0010 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138401 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1078.625 pg	54 Percent		11/20/10 23:54:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	515.676 pg	64 Percent		11/20/10 23:54:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	20.928 pg	2.33 ng/Kg		11/20/10 23:54:00	1.12	0.178	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-010 / SL0010 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138401 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	1.13	1.13 ng/Kg		11/20/10 23:54:00		1.13	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-010.R01 / SL0010 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210453 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1001.944 pg	50 Percent		11/20/10 04:22:00		
13C-1,2,3,7,8-PeCDD	1071.524 pg	54 Percent		11/20/10 04:22:00		
13C-1,2,3,4,7,8-HxCDD	1258.240 pg	63 Percent		11/20/10 04:22:00		
13C-1,2,3,6,7,8-HxCDD	1088.365 pg	54 Percent		11/20/10 04:22:00		
13C-1,2,3,4,6,7,8-HpCDD	854.644 pg	43 Percent		11/20/10 04:22:00		
13C-OCDD	1276.625 pg	32 Percent		11/20/10 04:22:00		
13C-2,3,7,8-TCDF	886.685 pg	44 Percent		11/20/10 04:22:00		
13C-1,2,3,7,8-PeCDF	1036.922 pg	52 Percent		11/20/10 04:22:00		
13C-2,3,4,7,8-PeCDF	969.521 pg	48 Percent		11/20/10 04:22:00		
13C-1,2,3,4,7,8-HxCDF	1013.337 pg	51 Percent		11/20/10 04:22:00		
13C-1,2,3,6,7,8-HxCDF	1020.483 pg	51 Percent		11/20/10 04:22:00		
13C-1,2,3,7,8,9-HxCDF	1124.668 pg	56 Percent		11/20/10 04:22:00		
13C-2,3,4,6,7,8-HxCDF	1023.903 pg	51 Percent		11/20/10 04:22:00		
13C-1,2,3,4,6,7,8-HpCDF	928.485 pg	46 Percent		11/20/10 04:22:00		
13C-1,2,3,4,7,8,9-HpCDF	992.034 pg	50 Percent		11/20/10 04:22:00		
37Cl-2,3,7,8-TCDD	455.060 pg	57 Percent		11/20/10 04:22:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	4.300 pg	0.480 ng/Kg	JK	11/20/10 04:22:00	1.12	0.0553	1	0.480	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/20/10 04:22:00	5.58	0.0327	1	0	Y	Y
1,2,3,4,7,8-HxCDD	0 pg	0 ng/Kg	U	11/20/10 04:22:00	5.58	0.0495	0.1	0	Y	Y
1,2,3,6,7,8-HxCDD	3.485 pg	0.389 ng/Kg	J	11/20/10 04:22:00	5.58	0.0615	0.1	0.0389	Y	Y
1,2,3,7,8,9-HxCDD	3.186 pg	0.355 ng/Kg	J	11/20/10 04:22:00	5.58	0.0538	0.1	0.0355	Y	Y
1,2,3,4,6,7,8-HpCDD	94.769 pg	10.6 ng/Kg		11/20/10 04:22:00	5.58	0.0540	0.01	0.106	Y	Y
OCDD	3355.929 pg	374 ng/Kg	B	11/20/10 04:22:00	11.2	0.0681	0.0003	0.112	Y	Y
2,3,7,8-TCDF	20.274 pg	2.26 ng/Kg	C	11/20/10 04:22:00	1.12	0.0382	0.1	0.226	N	Y
1,2,3,7,8-PeCDF	0 pg	0 ng/Kg	U	11/20/10 04:22:00	5.58	0.0650	0.03	0	Y	Y
2,3,4,7,8-PeCDF	1.048 pg	0.117 ng/Kg	JK	11/20/10 04:22:00	5.58	0.0662	0.3	0.0351	Y	Y
1,2,3,4,7,8-HxCDF	2.587 pg	0.289 ng/Kg	JK	11/20/10 04:22:00	5.58	0.0518	0.1	0.0289	Y	Y
1,2,3,6,7,8-HxCDF	1.872 pg	0.209 ng/Kg	J	11/20/10 04:22:00	5.58	0.0490	0.1	0.0209	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 04:22:00	5.58	0.0612	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	2.005 pg	0.224 ng/Kg	J	11/20/10 04:22:00	5.58	0.0543	0.1	0.0224	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-010.R01 / SL0010 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210453 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	16.590 pg	1.85 ng/Kg	J	11/20/10 04:22:00	5.58	0.0640	0.01	0.0185	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 ng/Kg	U	11/20/10 04:22:00	5.58	0.0820	0.01	0	Y	Y
OCDF	27.743 pg	3.09 ng/Kg	JK	11/20/10 04:22:00	11.2	0.0583	0.0003	0.000927	Y	Y
Total Tetra-Dioxins	0 pg	0 ng/Kg	U	11/20/10 04:22:00	1.12	0.0553			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/20/10 04:22:00	5.58	0.0327			Y	Y
Total Hexa-Dioxins	39.855 pg	4.45 ng/Kg	J	11/20/10 04:22:00	5.58	0.0495			Y	Y
Total Hepta-Dioxins	265.957 pg	29.7 ng/Kg		11/20/10 04:22:00	5.58	0.0540			Y	Y
Total Tetra-Furans	20.274 pg	2.26 ng/Kg		11/20/10 04:22:00	1.12	0.0382			Y	Y
Total Penta-Furans	40.367 pg	4.50 ng/Kg	J	11/20/10 04:22:00	5.58	0.0662			Y	Y
Total Hexa-Furans	68.318 pg	7.62 ng/Kg		11/20/10 04:22:00	5.58	0.0518			Y	Y
Total Hepta-Furans	44.876 pg	5.01 ng/Kg	J	11/20/10 04:22:00	5.58	0.0640			Y	Y
Total TEQ	1.13	1.13 ng/Kg		11/20/10 04:22:00				1.13	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-011 / SL0011 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138402 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1059.856 pg	53 Percent		11/21/10 00:31:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	522.271 pg	65 Percent		11/21/10 00:31:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	22.275 pg	2.42 ng/Kg		11/21/10 00:31:00	1.09	0.187	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-011 / SL0011 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138402 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	3.25	3.25 ng/Kg		11/21/10 00:31:00		3.25	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-011.R01 / SL0011 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210454 MB File Name: P210442 CCV File Name: P210440

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1028.872 pg	51 Percent		11/20/10 05:11:00		
13C-1,2,3,7,8-PeCDD	1075.711 pg	54 Percent		11/20/10 05:11:00		
13C-1,2,3,4,7,8-HxCDD	1283.411 pg	64 Percent		11/20/10 05:11:00		
13C-1,2,3,6,7,8-HxCDD	1069.294 pg	53 Percent		11/20/10 05:11:00		
13C-1,2,3,4,6,7,8-HpCDD	847.242 pg	42 Percent		11/20/10 05:11:00		
13C-OCDD	1257.768 pg	31 Percent		11/20/10 05:11:00		
13C-2,3,7,8-TCDF	879.658 pg	44 Percent		11/20/10 05:11:00		
13C-1,2,3,7,8-PeCDF	1039.555 pg	52 Percent		11/20/10 05:11:00		
13C-2,3,4,7,8-PeCDF	956.250 pg	48 Percent		11/20/10 05:11:00		
13C-1,2,3,4,7,8-HxCDF	983.026 pg	49 Percent		11/20/10 05:11:00		
13C-1,2,3,6,7,8-HxCDF	1004.389 pg	50 Percent		11/20/10 05:11:00		
13C-1,2,3,7,8,9-HxCDF	1142.175 pg	57 Percent		11/20/10 05:11:00		
13C-2,3,4,6,7,8-HxCDF	988.230 pg	49 Percent		11/20/10 05:11:00		
13C-1,2,3,4,6,7,8-HpCDF	934.351 pg	47 Percent		11/20/10 05:11:00		
13C-1,2,3,4,7,8,9-HpCDF	984.894 pg	49 Percent		11/20/10 05:11:00		
37Cl-2,3,7,8-TCDD	470.145 pg	59 Percent		11/20/10 05:11:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	6.079 pg	0.660 ng/Kg	J	11/20/10 05:11:00	1.09	0.0333	1	0.660	Y	Y
1,2,3,7,8-PeCDD	1.890 pg	0.205 ng/Kg	JK	11/20/10 05:11:00	5.43	0.0544	1	0.205	Y	Y
1,2,3,4,7,8-HxCDD	4.892 pg	0.531 ng/Kg	JK	11/20/10 05:11:00	5.43	0.192	0.1	0.0531	Y	Y
1,2,3,6,7,8-HxCDD	23.061 pg	2.51 ng/Kg	J	11/20/10 05:11:00	5.43	0.234	0.1	0.251	Y	Y
1,2,3,7,8,9-HxCDD	16.386 pg	1.78 ng/Kg	J	11/20/10 05:11:00	5.43	0.207	0.1	0.178	Y	Y
1,2,3,4,6,7,8-HpCDD	711.748 pg	77.3 ng/Kg		11/20/10 05:11:00	5.43	0.122	0.01	0.773	Y	Y
OCDD	12560.654 pg	1360 ng/Kg	B	11/20/10 05:11:00	10.9	0.0805	0.0003	0.408	Y	Y
2,3,7,8-TCDF	23.288 pg	2.53 ng/Kg	C	11/20/10 05:11:00	1.09	0.0404	0.1	0.253	N	Y
1,2,3,7,8-PeCDF	2.479 pg	0.269 ng/Kg	JK	11/20/10 05:11:00	5.43	0.0450	0.03	0.00807	Y	Y
2,3,4,7,8-PeCDF	3.395 pg	0.369 ng/Kg	J	11/20/10 05:11:00	5.43	0.0471	0.3	0.111	Y	Y
1,2,3,4,7,8-HxCDF	10.782 pg	1.17 ng/Kg	J	11/20/10 05:11:00	5.43	0.171	0.1	0.117	Y	Y
1,2,3,6,7,8-HxCDF	4.885 pg	0.531 ng/Kg	JK	11/20/10 05:11:00	5.43	0.169	0.1	0.0531	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 05:11:00	5.43	0.196	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	4.433 pg	0.482 ng/Kg	J	11/20/10 05:11:00	5.43	0.182	0.1	0.0482	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-011.R01 / SL0011 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 09/20/10 File Name: P210454 MB File Name: P210442 CCV File Name: P210440

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	101.123 pg	11.0 ng/Kg		11/20/10 05:11:00	5.43	0.147	0.01	0.110	Y	Y
1,2,3,4,7,8,9-HpCDF	6.352 pg	0.690 ng/Kg	JK	11/20/10 05:11:00	5.43	0.195	0.01	0.00690	Y	Y
OCDF	357.389 pg	38.8 ng/Kg		11/20/10 05:11:00	10.9	0.0946	0.0003	0.0116	Y	Y
Total Tetra-Dioxins	6.079 pg	0.660 ng/Kg	J	11/20/10 05:11:00	1.09	0.0333			Y	Y
Total Penta-Dioxins	6.593 pg	0.716 ng/Kg	J	11/20/10 05:11:00	5.43	0.0544			Y	Y
Total Hexa-Dioxins	159.995 pg	17.4 ng/Kg		11/20/10 05:11:00	5.43	0.192			Y	Y
Total Hepta-Dioxins	1483.855 pg	161 ng/Kg		11/20/10 05:11:00	5.43	0.122			Y	Y
Total Tetra-Furans	43.093 pg	4.68 ng/Kg		11/20/10 05:11:00	1.09	0.0404			Y	Y
Total Penta-Furans	54.654 pg	5.94 ng/Kg		11/20/10 05:11:00	5.43	0.0471			Y	Y
Total Hexa-Furans	118.666 pg	12.9 ng/Kg		11/20/10 05:11:00	5.43	0.171			Y	Y
Total Hepta-Furans	313.299 pg	34.0 ng/Kg		11/20/10 05:11:00	5.43	0.147			Y	Y
Total TEQ	3.25	3.25 ng/Kg		11/20/10 05:11:00				3.25	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-012 / SL0012 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138403 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1023.286 pg	51 Percent		11/21/10 01:08:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	535.086 pg	67 Percent		11/21/10 01:08:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	23.724 pg	2.57 ng/Kg		11/21/10 01:08:00	1.08	0.225	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-012 / SL0012 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138403 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	2.81	2.81 ng/Kg		11/21/10 01:08:00		2.81	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-012.R01 / SL0012 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111586 MB File Name: P210442 CCV File Name: P111583

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1117.088 pg	56 Percent		11/19/10 20:28:00		
13C-1,2,3,7,8-PeCDD	1091.563 pg	55 Percent		11/19/10 20:28:00		
13C-1,2,3,4,7,8-HxCDD	909.286 pg	45 Percent		11/19/10 20:28:00		
13C-1,2,3,6,7,8-HxCDD	1015.095 pg	51 Percent		11/19/10 20:28:00		
13C-1,2,3,4,6,7,8-HpCDD	940.461 pg	47 Percent		11/19/10 20:28:00		
13C-OCDD	1670.442 pg	42 Percent		11/19/10 20:28:00		
13C-2,3,7,8-TCDF	975.676 pg	49 Percent		11/19/10 20:28:00		
13C-1,2,3,7,8-PeCDF	1149.324 pg	57 Percent		11/19/10 20:28:00		
13C-2,3,4,7,8-PeCDF	993.109 pg	50 Percent		11/19/10 20:28:00		
13C-1,2,3,4,7,8-HxCDF	776.271 pg	39 Percent		11/19/10 20:28:00		
13C-1,2,3,6,7,8-HxCDF	1009.242 pg	50 Percent		11/19/10 20:28:00		
13C-1,2,3,7,8,9-HxCDF	1165.094 pg	58 Percent		11/19/10 20:28:00		
13C-2,3,4,6,7,8-HxCDF	837.340 pg	42 Percent		11/19/10 20:28:00		
13C-1,2,3,4,6,7,8-HpCDF	942.064 pg	47 Percent		11/19/10 20:28:00		
13C-1,2,3,4,7,8,9-HpCDF	1161.060 pg	58 Percent		11/19/10 20:28:00		
37Cl-2,3,7,8-TCDD	525.819 pg	66 Percent		11/19/10 20:28:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	0 pg	0 ng/Kg	U	11/19/10 20:28:00	1.08	0.455	1	0	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/19/10 20:28:00	5.42	0.337	1	0	Y	Y
1,2,3,4,7,8-HxCDD	9.877 pg	1.07 ng/Kg	J	11/19/10 20:28:00	5.42	0.446	0.1	0.107	Y	Y
1,2,3,6,7,8-HxCDD	27.186 pg	2.95 ng/Kg	J	11/19/10 20:28:00	5.42	0.572	0.1	0.295	Y	Y
1,2,3,7,8,9-HxCDD	24.593 pg	2.66 ng/Kg	J	11/19/10 20:28:00	5.42	0.482	0.1	0.266	Y	Y
1,2,3,4,6,7,8-HpCDD	913.465 pg	99.0 ng/Kg		11/19/10 20:28:00	5.42	0.305	0.01	0.990	Y	Y
OCDD	14638.591 pg	1590 ng/Kg	B	11/19/10 20:28:00	10.8	0.394	0.0003	0.477	Y	Y
2,3,7,8-TCDF	22.544 pg	2.44 ng/Kg	C	11/19/10 20:28:00	1.08	0.555	0.1	0.244	N	Y
1,2,3,7,8-PeCDF	0 pg	0 ng/Kg	U	11/19/10 20:28:00	5.42	0.390	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 ng/Kg	U	11/19/10 20:28:00	5.42	0.445	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	12.677 pg	1.37 ng/Kg	JK	11/19/10 20:28:00	5.42	0.264	0.1	0.137	Y	Y
1,2,3,6,7,8-HxCDF	5.830 pg	0.632 ng/Kg	JK	11/19/10 20:28:00	5.42	0.253	0.1	0.0632	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 20:28:00	5.42	0.265	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	7.012 pg	0.760 ng/Kg	J	11/19/10 20:28:00	5.42	0.291	0.1	0.0760	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-012.R01 / SL0012 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111586 MB File Name: P210442 CCV File Name: P111583

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	117.158 pg	12.7 ng/Kg		11/19/10 20:28:00	5.42	0.267	0.01	0.127	Y	Y
1,2,3,4,7,8,9-HpCDF	8.423 pg	0.912 ng/Kg	J	11/19/10 20:28:00	5.42	0.306	0.01	0.00912	Y	Y
OCDF	439.398 pg	47.6 ng/Kg		11/19/10 20:28:00	10.8	0.360	0.0003	0.0143	Y	Y
Total Tetra-Dioxins	0 pg	0 ng/Kg	U	11/19/10 20:28:00	1.08	0.455			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/19/10 20:28:00	5.42	0.337			Y	Y
Total Hexa-Dioxins	224.788 pg	24.4 ng/Kg		11/19/10 20:28:00	5.42	0.446			Y	Y
Total Hepta-Dioxins	1994.355 pg	216 ng/Kg		11/19/10 20:28:00	5.42	0.305			Y	Y
Total Tetra-Furans	22.544 pg	2.44 ng/Kg		11/19/10 20:28:00	1.08	0.555			Y	Y
Total Penta-Furans	31.971 pg	3.46 ng/Kg	J	11/19/10 20:28:00	5.42	0.445			Y	Y
Total Hexa-Furans	112.144 pg	12.1 ng/Kg		11/19/10 20:28:00	5.42	0.264			Y	Y
Total Hepta-Furans	343.816 pg	37.2 ng/Kg		11/19/10 20:28:00	5.42	0.267			Y	Y
Total TEQ	2.81	2.81 ng/Kg		11/19/10 20:28:00				2.81	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-013 / SL0013 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138404 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1238.609 pg	62 Percent		11/21/10 01:45:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	607.029 pg	76 Percent		11/21/10 01:45:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	199.136 pg	21.2 ng/Kg		11/21/10 01:45:00	1.06	0.153	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-013 / SL0013 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138404 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	8.02	8.02 ng/Kg		11/21/10 01:45:00		8.02	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-013.R01 / SL0013 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111587 MB File Name: P210442 CCV File Name: P111583

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1225.656 pg	61 Percent		11/19/10 21:16:00		
13C-1,2,3,7,8-PeCDD	1205.543 pg	60 Percent		11/19/10 21:16:00		
13C-1,2,3,4,7,8-HxCDD	876.054 pg	44 Percent		11/19/10 21:16:00		
13C-1,2,3,6,7,8-HxCDD	1001.598 pg	50 Percent		11/19/10 21:16:00		
13C-1,2,3,4,6,7,8-HpCDD	871.880 pg	44 Percent		11/19/10 21:16:00		
13C-OCDD	1637.588 pg	41 Percent		11/19/10 21:16:00		
13C-2,3,7,8-TCDF	1154.041 pg	58 Percent		11/19/10 21:16:00		
13C-1,2,3,7,8-PeCDF	1257.623 pg	63 Percent		11/19/10 21:16:00		
13C-2,3,4,7,8-PeCDF	1155.406 pg	58 Percent		11/19/10 21:16:00		
13C-1,2,3,4,7,8-HxCDF	763.941 pg	38 Percent		11/19/10 21:16:00		
13C-1,2,3,6,7,8-HxCDF	1021.457 pg	51 Percent		11/19/10 21:16:00		
13C-1,2,3,7,8,9-HxCDF	1110.227 pg	56 Percent		11/19/10 21:16:00		
13C-2,3,4,6,7,8-HxCDF	815.118 pg	41 Percent		11/19/10 21:16:00		
13C-1,2,3,4,6,7,8-HpCDF	858.710 pg	43 Percent		11/19/10 21:16:00		
13C-1,2,3,4,7,8,9-HpCDF	1069.349 pg	53 Percent		11/19/10 21:16:00		
37Cl-2,3,7,8-TCDD	605.302 pg	76 Percent		11/19/10 21:16:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	39.934 pg	4.25 ng/Kg		11/19/10 21:16:00	1.06	0.233	1	4.25	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/19/10 21:16:00	5.32	0.247	1	0	Y	Y
1,2,3,4,7,8-HxCDD	0 pg	0 ng/Kg	U	11/19/10 21:16:00	5.32	0.265	0.1	0	Y	Y
1,2,3,6,7,8-HxCDD	11.341 pg	1.21 ng/Kg	J	11/19/10 21:16:00	5.32	0.346	0.1	0.121	Y	Y
1,2,3,7,8,9-HxCDD	9.975 pg	1.06 ng/Kg	JK	11/19/10 21:16:00	5.32	0.289	0.1	0.106	Y	Y
1,2,3,4,6,7,8-HpCDD	516.297 pg	54.9 ng/Kg		11/19/10 21:16:00	5.32	0.301	0.01	0.549	Y	Y
OCDD	9810.669 pg	1040 ng/Kg	B	11/19/10 21:16:00	10.6	0.232	0.0003	0.312	Y	Y
2,3,7,8-TCDF	208.741 pg	22.2 ng/Kg	C	11/19/10 21:16:00	1.06	0.206	0.1	2.22	N	Y
1,2,3,7,8-PeCDF	6.154 pg	0.655 ng/Kg	JK	11/19/10 21:16:00	5.32	0.221	0.03	0.0197	Y	Y
2,3,4,7,8-PeCDF	4.417 pg	0.470 ng/Kg	J	11/19/10 21:16:00	5.32	0.228	0.3	0.141	Y	Y
1,2,3,4,7,8-HxCDF	16.453 pg	1.75 ng/Kg	J	11/19/10 21:16:00	5.32	0.220	0.1	0.175	Y	Y
1,2,3,6,7,8-HxCDF	4.260 pg	0.453 ng/Kg	J	11/19/10 21:16:00	5.32	0.207	0.1	0.0453	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 21:16:00	5.32	0.235	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	2.646 pg	0.282 ng/Kg	JK	11/19/10 21:16:00	5.32	0.251	0.1	0.0282	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-013.R01 / SL0013 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111587 MB File Name: P210442 CCV File Name: P111583

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	37.367 pg	3.98 ng/Kg	J	11/19/10 21:16:00	5.32	0.206	0.01	0.0398	Y	Y
1,2,3,4,7,8,9-HpCDF	4.073 pg	0.433 ng/Kg	J	11/19/10 21:16:00	5.32	0.238	0.01	0.00433	Y	Y
OCDF	134.560 pg	14.3 ng/Kg		11/19/10 21:16:00	10.6	0.283	0.0003	0.00429	Y	Y
Total Tetra-Dioxins	39.934 pg	4.25 ng/Kg		11/19/10 21:16:00	1.06	0.233			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/19/10 21:16:00	5.32	0.247			Y	Y
Total Hexa-Dioxins	60.220 pg	6.41 ng/Kg		11/19/10 21:16:00	5.32	0.265			Y	Y
Total Hepta-Dioxins	1244.313 pg	132 ng/Kg		11/19/10 21:16:00	5.32	0.301			Y	Y
Total Tetra-Furans	299.543 pg	31.9 ng/Kg		11/19/10 21:16:00	1.06	0.206			Y	Y
Total Penta-Furans	57.371 pg	6.10 ng/Kg		11/19/10 21:16:00	5.32	0.228			Y	Y
Total Hexa-Furans	84.390 pg	8.98 ng/Kg		11/19/10 21:16:00	5.32	0.220			Y	Y
Total Hepta-Furans	116.423 pg	12.4 ng/Kg		11/19/10 21:16:00	5.32	0.206			Y	Y
Total TEQ	8.02	8.02 ng/Kg		11/19/10 21:16:00				8.02	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-014 / SL0014 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138405 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1021.673 pg	51 Percent		11/21/10 02:22:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	500.895 pg	63 Percent		11/21/10 02:22:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	132.956 pg	14.6 ng/Kg		11/21/10 02:22:00	1.10	0.158	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-014 / SL0014 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138405 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	4.61	4.61 ng/Kg		11/21/10 02:22:00		4.61	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-014.R01 / SL0014 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111588 MB File Name: P210442 CCV File Name: P111583

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1041.359 pg	52 Percent		11/19/10 22:02:00		
13C-1,2,3,7,8-PeCDD	1060.146 pg	53 Percent		11/19/10 22:02:00		
13C-1,2,3,4,7,8-HxCDD	809.939 pg	40 Percent		11/19/10 22:02:00		
13C-1,2,3,6,7,8-HxCDD	873.966 pg	44 Percent		11/19/10 22:02:00		
13C-1,2,3,4,6,7,8-HpCDD	801.000 pg	40 Percent		11/19/10 22:02:00		
13C-OCDD	1558.663 pg	39 Percent		11/19/10 22:02:00		
13C-2,3,7,8-TCDF	957.275 pg	48 Percent		11/19/10 22:02:00		
13C-1,2,3,7,8-PeCDF	1102.824 pg	55 Percent		11/19/10 22:02:00		
13C-2,3,4,7,8-PeCDF	1032.580 pg	52 Percent		11/19/10 22:02:00		
13C-1,2,3,4,7,8-HxCDF	691.433 pg	35 Percent		11/19/10 22:02:00		
13C-1,2,3,6,7,8-HxCDF	879.112 pg	44 Percent		11/19/10 22:02:00		
13C-1,2,3,7,8,9-HxCDF	951.298 pg	48 Percent		11/19/10 22:02:00		
13C-2,3,4,6,7,8-HxCDF	723.727 pg	36 Percent		11/19/10 22:02:00		
13C-1,2,3,4,6,7,8-HpCDF	795.504 pg	40 Percent		11/19/10 22:02:00		
13C-1,2,3,4,7,8,9-HpCDF	945.439 pg	47 Percent		11/19/10 22:02:00		
37Cl-2,3,7,8-TCDD	491.584 pg	61 Percent		11/19/10 22:02:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	24.814 pg	2.73 ng/Kg		11/19/10 22:02:00	1.10	0.340	1	2.73	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.319	1	0	Y	Y
1,2,3,4,7,8-HxCDD	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.238	0.1	0	Y	Y
1,2,3,6,7,8-HxCDD	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.315	0.1	0	Y	Y
1,2,3,7,8,9-HxCDD	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.262	0.1	0	Y	Y
1,2,3,4,6,7,8-HpCDD	148.983 pg	16.4 ng/Kg		11/19/10 22:02:00	5.50	0.421	0.01	0.164	Y	Y
OCDD	3809.642 pg	419 ng/Kg	B	11/19/10 22:02:00	11.0	0.347	0.0003	0.126	Y	Y
2,3,7,8-TCDF	135.021 pg	14.8 ng/Kg	C	11/19/10 22:02:00	1.10	0.387	0.1	1.48	N	Y
1,2,3,7,8-PeCDF	3.191 pg	0.351 ng/Kg	JK	11/19/10 22:02:00	5.50	0.304	0.03	0.0105	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.300	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	7.782 pg	0.856 ng/Kg	JK	11/19/10 22:02:00	5.50	0.201	0.1	0.0856	Y	Y
1,2,3,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.191	0.1	0	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.223	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.234	0.1	0	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-014.R01 / SL0014 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111588 MB File Name: P210442 CCV File Name: P111583

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	11.285 pg	1.24 ng/Kg	J	11/19/10 22:02:00	5.50	0.238	0.01	0.0124	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.283	0.01	0	Y	Y
OCDF	42.606 pg	4.69 ng/Kg	J	11/19/10 22:02:00	11.0	0.381	0.0003	0.00141	Y	Y
Total Tetra-Dioxins	24.814 pg	2.73 ng/Kg		11/19/10 22:02:00	1.10	0.340			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.319			Y	Y
Total Hexa-Dioxins	48.585 pg	5.34 ng/Kg	J	11/19/10 22:02:00	5.50	0.238			Y	Y
Total Hepta-Dioxins	416.131 pg	45.8 ng/Kg		11/19/10 22:02:00	5.50	0.421			Y	Y
Total Tetra-Furans	194.634 pg	21.4 ng/Kg		11/19/10 22:02:00	1.10	0.387			Y	Y
Total Penta-Furans	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.300			Y	Y
Total Hexa-Furans	0 pg	0 ng/Kg	U	11/19/10 22:02:00	5.50	0.201			Y	Y
Total Hepta-Furans	30.635 pg	3.37 ng/Kg	J	11/19/10 22:02:00	5.50	0.238			Y	Y
Total TEQ	4.61	4.61 ng/Kg		11/19/10 22:02:00				4.61	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-015 / SL0015 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138406 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1084.554 pg	54 Percent		11/21/10 02:59:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	569.092 pg	71 Percent		11/21/10 02:59:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	62.833 pg	7.15 ng/Kg		11/21/10 02:59:00	1.14	0.188	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-015 / SL0015 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138406 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	2.83	2.83 ng/Kg		11/21/10 02:59:00		2.83	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-015.R01 / SL0015 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111589 MB File Name: P210442 CCV File Name: P111583

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1102.767 pg	55 Percent		11/19/10 22:50:00		
13C-1,2,3,7,8-PeCDD	1050.883 pg	53 Percent		11/19/10 22:50:00		
13C-1,2,3,4,7,8-HxCDD	793.633 pg	40 Percent		11/19/10 22:50:00		
13C-1,2,3,6,7,8-HxCDD	826.379 pg	41 Percent		11/19/10 22:50:00		
13C-1,2,3,4,6,7,8-HpCDD	734.483 pg	37 Percent		11/19/10 22:50:00		
13C-OCDD	1364.667 pg	34 Percent		11/19/10 22:50:00		
13C-2,3,7,8-TCDF	1028.540 pg	51 Percent		11/19/10 22:50:00		
13C-1,2,3,7,8-PeCDF	1103.590 pg	55 Percent		11/19/10 22:50:00		
13C-2,3,4,7,8-PeCDF	994.274 pg	50 Percent		11/19/10 22:50:00		
13C-1,2,3,4,7,8-HxCDF	659.373 pg	33 Percent		11/19/10 22:50:00		
13C-1,2,3,6,7,8-HxCDF	855.056 pg	43 Percent		11/19/10 22:50:00		
13C-1,2,3,7,8,9-HxCDF	961.685 pg	48 Percent		11/19/10 22:50:00		
13C-2,3,4,6,7,8-HxCDF	713.912 pg	36 Percent		11/19/10 22:50:00		
13C-1,2,3,4,6,7,8-HpCDF	735.292 pg	37 Percent		11/19/10 22:50:00		
13C-1,2,3,4,7,8,9-HpCDF	916.728 pg	46 Percent		11/19/10 22:50:00		
37Cl-2,3,7,8-TCDD	555.724 pg	69 Percent		11/19/10 22:50:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	11.544 pg	1.31 ng/Kg		11/19/10 22:50:00	1.14	0.279	1	1.31	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/19/10 22:50:00	5.69	0.347	1	0	Y	Y
1,2,3,4,7,8-HxCDD	0 pg	0 ng/Kg	U	11/19/10 22:50:00	5.69	0.322	0.1	0	Y	Y
1,2,3,6,7,8-HxCDD	6.917 pg	0.787 ng/Kg	J	11/19/10 22:50:00	5.69	0.432	0.1	0.0787	Y	Y
1,2,3,7,8,9-HxCDD	8.727 pg	0.993 ng/Kg	J	11/19/10 22:50:00	5.69	0.356	0.1	0.0993	Y	Y
1,2,3,4,6,7,8-HpCDD	331.822 pg	37.8 ng/Kg		11/19/10 22:50:00	5.69	0.439	0.01	0.378	Y	Y
OCDD	5753.852 pg	655 ng/Kg	B	11/19/10 22:50:00	11.4	0.470	0.0003	0.197	Y	Y
2,3,7,8-TCDF	57.668 pg	6.56 ng/Kg	C	11/19/10 22:50:00	1.14	0.400	0.1	0.656	N	Y
1,2,3,7,8-PeCDF	0 pg	0 ng/Kg	U	11/19/10 22:50:00	5.69	0.262	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 ng/Kg	U	11/19/10 22:50:00	5.69	0.272	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	5.541 pg	0.630 ng/Kg	JK	11/19/10 22:50:00	5.69	0.477	0.1	0.0630	Y	Y
1,2,3,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/19/10 22:50:00	5.69	0.464	0.1	0	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 22:50:00	5.69	0.517	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/19/10 22:50:00	5.69	0.554	0.1	0	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-015.R01 / SL0015 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111589 MB File Name: P210442 CCV File Name: P111583

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	35.893 pg	4.08 ng/Kg	J	11/19/10 22:50:00	5.69	0.351	0.01	0.0408	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 ng/Kg	U	11/19/10 22:50:00	5.69	0.415	0.01	0	Y	Y
OCDF	186.231 pg	21.2 ng/Kg		11/19/10 22:50:00	11.4	0.584	0.0003	0.00636	Y	Y
Total Tetra-Dioxins	11.544 pg	1.31 ng/Kg		11/19/10 22:50:00	1.14	0.279			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/19/10 22:50:00	5.69	0.347			Y	Y
Total Hexa-Dioxins	99.833 pg	11.4 ng/Kg		11/19/10 22:50:00	5.69	0.322			Y	Y
Total Hepta-Dioxins	1077.612 pg	123 ng/Kg		11/19/10 22:50:00	5.69	0.439			Y	Y
Total Tetra-Furans	75.528 pg	8.59 ng/Kg		11/19/10 22:50:00	1.14	0.400			Y	Y
Total Penta-Furans	15.436 pg	1.76 ng/Kg	J	11/19/10 22:50:00	5.69	0.272			Y	Y
Total Hexa-Furans	27.450 pg	3.12 ng/Kg	J	11/19/10 22:50:00	5.69	0.477			Y	Y
Total Hepta-Furans	102.886 pg	11.7 ng/Kg		11/19/10 22:50:00	5.69	0.351			Y	Y
Total TEQ	2.83	2.83 ng/Kg		11/19/10 22:50:00				2.83	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-016 / SL0016 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138407 MB File Name: U138391 CCV File Name: U138390

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1211.366 pg	61 Percent		11/21/10 03:36:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	620.753 pg	78 Percent		11/21/10 03:36:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	40.069 pg	4.28 ng/Kg		11/21/10 03:36:00	1.07	0.148	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-016 / SL0016 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138407 MB File Name: U138391 CCV File Name: U138390

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	2.63	2.63 ng/Kg		11/21/10 03:36:00		2.63	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-016.R01 / SL0016 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111590 MB File Name: P210442 CCV File Name: P111583

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1266.390 pg	63 Percent		11/19/10 23:37:00		
13C-1,2,3,7,8-PeCDD	1211.039 pg	61 Percent		11/19/10 23:37:00		
13C-1,2,3,4,7,8-HxCDD	986.500 pg	49 Percent		11/19/10 23:37:00		
13C-1,2,3,6,7,8-HxCDD	971.697 pg	49 Percent		11/19/10 23:37:00		
13C-1,2,3,4,6,7,8-HpCDD	859.043 pg	43 Percent		11/19/10 23:37:00		
13C-OCDD	1533.208 pg	38 Percent		11/19/10 23:37:00		
13C-2,3,7,8-TCDF	1171.895 pg	59 Percent		11/19/10 23:37:00		
13C-1,2,3,7,8-PeCDF	1251.840 pg	63 Percent		11/19/10 23:37:00		
13C-2,3,4,7,8-PeCDF	1128.685 pg	56 Percent		11/19/10 23:37:00		
13C-1,2,3,4,7,8-HxCDF	814.646 pg	41 Percent		11/19/10 23:37:00		
13C-1,2,3,6,7,8-HxCDF	1010.324 pg	51 Percent		11/19/10 23:37:00		
13C-1,2,3,7,8,9-HxCDF	1081.543 pg	54 Percent		11/19/10 23:37:00		
13C-2,3,4,6,7,8-HxCDF	862.309 pg	43 Percent		11/19/10 23:37:00		
13C-1,2,3,4,6,7,8-HpCDF	856.691 pg	43 Percent		11/19/10 23:37:00		
13C-1,2,3,4,7,8,9-HpCDF	1048.384 pg	52 Percent		11/19/10 23:37:00		
37Cl-2,3,7,8-TCDD	579.452 pg	72 Percent		11/19/10 23:37:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	10.313 pg	1.10 ng/Kg	K	11/19/10 23:37:00	1.07	0.201	1	1.10	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/19/10 23:37:00	5.34	0.273	1	0	Y	Y
1,2,3,4,7,8-HxCDD	0 pg	0 ng/Kg	U	11/19/10 23:37:00	5.34	0.151	0.1	0	Y	Y
1,2,3,6,7,8-HxCDD	8.572 pg	0.915 ng/Kg	JK	11/19/10 23:37:00	5.34	0.209	0.1	0.0915	Y	Y
1,2,3,7,8,9-HxCDD	11.543 pg	1.23 ng/Kg	J	11/19/10 23:37:00	5.34	0.169	0.1	0.123	Y	Y
1,2,3,4,6,7,8-HpCDD	406.913 pg	43.4 ng/Kg		11/19/10 23:37:00	5.34	0.180	0.01	0.434	Y	Y
OCDD	8224.523 pg	878 ng/Kg	B	11/19/10 23:37:00	10.7	0.279	0.0003	0.263	Y	Y
2,3,7,8-TCDF	41.722 pg	4.45 ng/Kg	C	11/19/10 23:37:00	1.07	0.268	0.1	0.445	N	Y
1,2,3,7,8-PeCDF	0 pg	0 ng/Kg	U	11/19/10 23:37:00	5.34	0.264	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 ng/Kg	U	11/19/10 23:37:00	5.34	0.277	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	7.479 pg	0.798 ng/Kg	J	11/19/10 23:37:00	5.34	0.113	0.1	0.0798	Y	Y
1,2,3,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/19/10 23:37:00	5.34	0.112	0.1	0	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 23:37:00	5.34	0.132	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	3.468 pg	0.370 ng/Kg	J	11/19/10 23:37:00	5.34	0.134	0.1	0.0370	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-016.R01 / SL0016 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111590 MB File Name: P210442 CCV File Name: P111583

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	49.141 pg	5.25 ng/Kg	J	11/19/10 23:37:00	5.34	0.168	0.01	0.0525	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 ng/Kg	U	11/19/10 23:37:00	5.34	0.197	0.01	0	Y	Y
OCDF	230.623 pg	24.6 ng/Kg		11/19/10 23:37:00	10.7	0.316	0.0003	0.00738	Y	Y
Total Tetra-Dioxins	0 pg	0 ng/Kg	U	11/19/10 23:37:00	1.07	0.201			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/19/10 23:37:00	5.34	0.273			Y	Y
Total Hexa-Dioxins	99.924 pg	10.7 ng/Kg		11/19/10 23:37:00	5.34	0.151			Y	Y
Total Hepta-Dioxins	1195.785 pg	128 ng/Kg		11/19/10 23:37:00	5.34	0.180			Y	Y
Total Tetra-Furans	41.722 pg	4.45 ng/Kg		11/19/10 23:37:00	1.07	0.268			Y	Y
Total Penta-Furans	48.015 pg	5.13 ng/Kg	J	11/19/10 23:37:00	5.34	0.277			Y	Y
Total Hexa-Furans	86.068 pg	9.19 ng/Kg		11/19/10 23:37:00	5.34	0.113			Y	Y
Total Hepta-Furans	160.037 pg	17.1 ng/Kg		11/19/10 23:37:00	5.34	0.168			Y	Y
Total TEQ	2.63	2.63 ng/Kg		11/19/10 23:37:00				2.63	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-017 / SL0017 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111591 MB File Name: P210442 CCV File Name: P111583

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1280.882 pg	64 Percent		11/20/10 00:25:00		
13C-1,2,3,7,8-PeCDD	1243.896 pg	62 Percent		11/20/10 00:25:00		
13C-1,2,3,4,7,8-HxCDD	928.661 pg	46 Percent		11/20/10 00:25:00		
13C-1,2,3,6,7,8-HxCDD	943.136 pg	47 Percent		11/20/10 00:25:00		
13C-1,2,3,4,6,7,8-HpCDD	781.451 pg	39 Percent		11/20/10 00:25:00		
13C-OCDD	1311.978 pg	33 Percent		11/20/10 00:25:00		
13C-2,3,7,8-TCDF	1175.863 pg	59 Percent		11/20/10 00:25:00		
13C-1,2,3,7,8-PeCDF	1272.575 pg	64 Percent		11/20/10 00:25:00		
13C-2,3,4,7,8-PeCDF	1172.789 pg	59 Percent		11/20/10 00:25:00		
13C-1,2,3,4,7,8-HxCDF	774.973 pg	39 Percent		11/20/10 00:25:00		
13C-1,2,3,6,7,8-HxCDF	972.916 pg	49 Percent		11/20/10 00:25:00		
13C-1,2,3,7,8,9-HxCDF	1039.010 pg	52 Percent		11/20/10 00:25:00		
13C-2,3,4,6,7,8-HxCDF	809.455 pg	40 Percent		11/20/10 00:25:00		
13C-1,2,3,4,6,7,8-HpCDF	776.050 pg	39 Percent		11/20/10 00:25:00		
13C-1,2,3,4,7,8,9-HpCDF	963.745 pg	48 Percent		11/20/10 00:25:00		
37Cl-2,3,7,8-TCDD	624.228 pg	78 Percent		11/20/10 00:25:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	0 pg	0 ng/Kg	U	11/20/10 00:25:00	1.16	0.244	1	0	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/20/10 00:25:00	5.81	0.219	1	0	Y	Y
1,2,3,4,7,8-HxCDD	4.493 pg	0.522 ng/Kg	JK	11/20/10 00:25:00	5.81	0.266	0.1	0.0522	Y	Y
1,2,3,6,7,8-HxCDD	23.559 pg	2.74 ng/Kg	JK	11/20/10 00:25:00	5.81	0.355	0.1	0.274	Y	Y
1,2,3,7,8,9-HxCDD	19.475 pg	2.26 ng/Kg	J	11/20/10 00:25:00	5.81	0.293	0.1	0.226	Y	Y
1,2,3,4,6,7,8-HpCDD	928.659 pg	108 ng/Kg		11/20/10 00:25:00	5.81	0.283	0.01	1.08	Y	Y
OCDD	30892.638 pg	3590 ng/Kg	B	11/20/10 00:25:00	11.6	0.330	0.0003	1.08	Y	Y
2,3,7,8-TCDF	0 pg	0 ng/Kg	U	11/20/10 00:25:00	1.16	0.263	0.1	0	Y	Y
1,2,3,7,8-PeCDF	0 pg	0 ng/Kg	U	11/20/10 00:25:00	5.81	0.210	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 ng/Kg	U	11/20/10 00:25:00	5.81	0.210	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	10.221 pg	1.19 ng/Kg	J	11/20/10 00:25:00	5.81	0.425	0.1	0.119	Y	Y
1,2,3,6,7,8-HxCDF	4.521 pg	0.525 ng/Kg	JK	11/20/10 00:25:00	5.81	0.420	0.1	0.0525	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 00:25:00	5.81	0.487	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	8.326 pg	0.967 ng/Kg	J	11/20/10 00:25:00	5.81	0.507	0.1	0.0967	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-017 / SL0017 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111591 MB File Name: P210442 CCV File Name: P111583

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	116.407 pg	13.5 ng/Kg		11/20/10 00:25:00	5.81	0.240	0.01	0.135	Y	Y
1,2,3,4,7,8,9-HpCDF	9.848 pg	1.14 ng/Kg	J	11/20/10 00:25:00	5.81	0.285	0.01	0.0114	Y	Y
OCDF	453.113 pg	52.6 ng/Kg		11/20/10 00:25:00	11.6	0.319	0.0003	0.0158	Y	Y
Total Tetra-Dioxins	0 pg	0 ng/Kg	U	11/20/10 00:25:00	1.16	0.244			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/20/10 00:25:00	5.81	0.219			Y	Y
Total Hexa-Dioxins	117.687 pg	13.7 ng/Kg		11/20/10 00:25:00	5.81	0.266			Y	Y
Total Hepta-Dioxins	1795.315 pg	208 ng/Kg		11/20/10 00:25:00	5.81	0.283			Y	Y
Total Tetra-Furans	0 pg	0 ng/Kg	U	11/20/10 00:25:00	1.16	0.263			Y	Y
Total Penta-Furans	29.682 pg	3.45 ng/Kg	J	11/20/10 00:25:00	5.81	0.210			Y	Y
Total Hexa-Furans	132.221 pg	15.4 ng/Kg		11/20/10 00:25:00	5.81	0.425			Y	Y
Total Hepta-Furans	422.083 pg	49.0 ng/Kg		11/20/10 00:25:00	5.81	0.240			Y	Y
Total TEQ	3.14	3.14 ng/Kg		11/20/10 00:25:00				3.14	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-018 / SL0018 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111592 MB File Name: P210442 CCV File Name: P111583

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1267.917 pg	63 Percent		11/20/10 01:12:00		
13C-1,2,3,7,8-PeCDD	1218.392 pg	61 Percent		11/20/10 01:12:00		
13C-1,2,3,4,7,8-HxCDD	902.601 pg	45 Percent		11/20/10 01:12:00		
13C-1,2,3,6,7,8-HxCDD	1009.452 pg	50 Percent		11/20/10 01:12:00		
13C-1,2,3,4,6,7,8-HpCDD	773.018 pg	39 Percent		11/20/10 01:12:00		
13C-OCDD	1127.863 pg	28 Percent		11/20/10 01:12:00		
13C-2,3,7,8-TCDF	1185.961 pg	59 Percent		11/20/10 01:12:00		
13C-1,2,3,7,8-PeCDF	1249.812 pg	62 Percent		11/20/10 01:12:00		
13C-2,3,4,7,8-PeCDF	1119.244 pg	56 Percent		11/20/10 01:12:00		
13C-1,2,3,4,7,8-HxCDF	773.297 pg	39 Percent		11/20/10 01:12:00		
13C-1,2,3,6,7,8-HxCDF	1081.077 pg	54 Percent		11/20/10 01:12:00		
13C-1,2,3,7,8,9-HxCDF	1046.841 pg	52 Percent		11/20/10 01:12:00		
13C-2,3,4,6,7,8-HxCDF	823.809 pg	41 Percent		11/20/10 01:12:00		
13C-1,2,3,4,6,7,8-HpCDF	779.354 pg	39 Percent		11/20/10 01:12:00		
13C-1,2,3,4,7,8,9-HpCDF	894.360 pg	45 Percent		11/20/10 01:12:00		
37Cl-2,3,7,8-TCDD	592.551 pg	74 Percent		11/20/10 01:12:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	0 pg	0 ng/Kg	U	11/20/10 01:12:00	1.17	0.322	1	0	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/20/10 01:12:00	5.86	0.322	1	0	Y	Y
1,2,3,4,7,8-HxCDD	5.822 pg	0.683 ng/Kg	J	11/20/10 01:12:00	5.86	0.263	0.1	0.0683	Y	Y
1,2,3,6,7,8-HxCDD	28.072 pg	3.29 ng/Kg	J	11/20/10 01:12:00	5.86	0.351	0.1	0.329	Y	Y
1,2,3,7,8,9-HxCDD	18.730 pg	2.20 ng/Kg	J	11/20/10 01:12:00	5.86	0.291	0.1	0.220	Y	Y
1,2,3,4,6,7,8-HpCDD	863.618 pg	101 ng/Kg		11/20/10 01:12:00	5.86	0.465	0.01	1.01	Y	Y
OCDD	28120.008 pg	3300 ng/Kg	B	11/20/10 01:12:00	11.7	0.531	0.0003	0.990	Y	Y
2,3,7,8-TCDF	0 pg	0 ng/Kg	U	11/20/10 01:12:00	1.17	0.364	0.1	0	Y	Y
1,2,3,7,8-PeCDF	0 pg	0 ng/Kg	U	11/20/10 01:12:00	5.86	0.235	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 ng/Kg	U	11/20/10 01:12:00	5.86	0.246	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	9.171 pg	1.08 ng/Kg	JK	11/20/10 01:12:00	5.86	0.343	0.1	0.108	Y	Y
1,2,3,6,7,8-HxCDF	6.233 pg	0.731 ng/Kg	J	11/20/10 01:12:00	5.86	0.324	0.1	0.0731	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 01:12:00	5.86	0.406	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	8.525 pg	1.00 ng/Kg	J	11/20/10 01:12:00	5.86	0.412	0.1	0.100	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-018 / SL0018 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111592 MB File Name: P210442 CCV File Name: P111583

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	103.863 pg	12.2 ng/Kg		11/20/10 01:12:00	5.86	0.308	0.01	0.122	Y	Y
1,2,3,4,7,8,9-HpCDF	6.972 pg	0.818 ng/Kg	JK	11/20/10 01:12:00	5.86	0.388	0.01	0.00818	Y	Y
OCDF	351.679 pg	41.2 ng/Kg		11/20/10 01:12:00	11.7	0.903	0.0003	0.0124	Y	Y
Total Tetra-Dioxins	0 pg	0 ng/Kg	U	11/20/10 01:12:00	1.17	0.322			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/20/10 01:12:00	5.86	0.322			Y	Y
Total Hexa-Dioxins	153.751 pg	18.0 ng/Kg		11/20/10 01:12:00	5.86	0.263			Y	Y
Total Hepta-Dioxins	1677.154 pg	197 ng/Kg		11/20/10 01:12:00	5.86	0.465			Y	Y
Total Tetra-Furans	0 pg	0 ng/Kg	U	11/20/10 01:12:00	1.17	0.364			Y	Y
Total Penta-Furans	49.095 pg	5.76 ng/Kg	J	11/20/10 01:12:00	5.86	0.246			Y	Y
Total Hexa-Furans	131.830 pg	15.5 ng/Kg		11/20/10 01:12:00	5.86	0.343			Y	Y
Total Hepta-Furans	349.985 pg	41.0 ng/Kg		11/20/10 01:12:00	5.86	0.308			Y	Y
Total TEQ	3.04	3.04 ng/Kg		11/20/10 01:12:00				3.04	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-019.R01 / SL0019 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111593 MB File Name: P210442 CCV File Name: P111583

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1176.115 pg	59 Percent		11/20/10 02:00:00		
13C-1,2,3,7,8-PeCDD	1120.455 pg	56 Percent		11/20/10 02:00:00		
13C-1,2,3,4,7,8-HxCDD	836.559 pg	42 Percent		11/20/10 02:00:00		
13C-1,2,3,6,7,8-HxCDD	900.778 pg	45 Percent		11/20/10 02:00:00		
13C-1,2,3,4,6,7,8-HpCDD	736.977 pg	37 Percent		11/20/10 02:00:00		
13C-OCDD	1180.980 pg	30 Percent		11/20/10 02:00:00		
13C-2,3,7,8-TCDF	1052.879 pg	53 Percent		11/20/10 02:00:00		
13C-1,2,3,7,8-PeCDF	1151.540 pg	58 Percent		11/20/10 02:00:00		
13C-2,3,4,7,8-PeCDF	1011.387 pg	51 Percent		11/20/10 02:00:00		
13C-1,2,3,4,7,8-HxCDF	704.575 pg	35 Percent		11/20/10 02:00:00		
13C-1,2,3,6,7,8-HxCDF	936.008 pg	47 Percent		11/20/10 02:00:00		
13C-1,2,3,7,8,9-HxCDF	988.237 pg	49 Percent		11/20/10 02:00:00		
13C-2,3,4,6,7,8-HxCDF	751.113 pg	38 Percent		11/20/10 02:00:00		
13C-1,2,3,4,6,7,8-HpCDF	738.102 pg	37 Percent		11/20/10 02:00:00		
13C-1,2,3,4,7,8,9-HpCDF	872.858 pg	44 Percent		11/20/10 02:00:00		
37Cl-2,3,7,8-TCDD	567.075 pg	71 Percent		11/20/10 02:00:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	0 pg	0 ng/Kg	U	11/20/10 02:00:00	1.13	0.236	1	0	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/20/10 02:00:00	5.63	0.272	1	0	Y	Y
1,2,3,4,7,8-HxCDD	5.791 pg	0.652 ng/Kg	JK	11/20/10 02:00:00	5.63	0.348	0.1	0.0652	Y	Y
1,2,3,6,7,8-HxCDD	18.520 pg	2.08 ng/Kg	J	11/20/10 02:00:00	5.63	0.475	0.1	0.208	Y	Y
1,2,3,7,8,9-HxCDD	23.628 pg	2.66 ng/Kg	J	11/20/10 02:00:00	5.63	0.389	0.1	0.266	Y	Y
1,2,3,4,6,7,8-HpCDD	946.897 pg	107 ng/Kg		11/20/10 02:00:00	5.63	0.163	0.01	1.07	Y	Y
OCDD	102356.4 pg	11500 ng/Kg	BE	11/20/10 02:00:00	11.3	0.429	0.0003	3.45	Y	Y
2,3,7,8-TCDF	0 pg	0 ng/Kg	U	11/20/10 02:00:00	1.13	0.344	0.1	0	Y	Y
1,2,3,7,8-PeCDF	0 pg	0 ng/Kg	U	11/20/10 02:00:00	5.63	0.316	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 ng/Kg	U	11/20/10 02:00:00	5.63	0.342	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	6.873 pg	0.773 ng/Kg	J	11/20/10 02:00:00	5.63	0.266	0.1	0.0773	Y	Y
1,2,3,6,7,8-HxCDF	2.665 pg	0.300 ng/Kg	J	11/20/10 02:00:00	5.63	0.262	0.1	0.0300	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 02:00:00	5.63	0.313	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	3.721 pg	0.419 ng/Kg	J	11/20/10 02:00:00	5.63	0.322	0.1	0.0419	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-019.R01 / SL0019 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111593 MB File Name: P210442 CCV File Name: P111583

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	58.324 pg	6.56 ng/Kg		11/20/10 02:00:00	5.63	0.245	0.01	0.0656	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 ng/Kg	U	11/20/10 02:00:00	5.63	0.312	0.01	0	Y	Y
OCDF	199.038 pg	22.4 ng/Kg		11/20/10 02:00:00	11.3	0.387	0.0003	0.00672	Y	Y
Total Tetra-Dioxins	0 pg	0 ng/Kg	U	11/20/10 02:00:00	1.13	0.236			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/20/10 02:00:00	5.63	0.272			Y	Y
Total Hexa-Dioxins	182.778 pg	20.6 ng/Kg		11/20/10 02:00:00	5.63	0.348			Y	Y
Total Hepta-Dioxins	2219.011 pg	250 ng/Kg		11/20/10 02:00:00	5.63	0.163			Y	Y
Total Tetra-Furans	0 pg	0 ng/Kg	U	11/20/10 02:00:00	1.13	0.344			Y	Y
Total Penta-Furans	31.970 pg	3.60 ng/Kg	J	11/20/10 02:00:00	5.63	0.342			Y	Y
Total Hexa-Furans	65.496 pg	7.37 ng/Kg		11/20/10 02:00:00	5.63	0.266			Y	Y
Total Hepta-Furans	163.287 pg	18.4 ng/Kg		11/20/10 02:00:00	5.63	0.245			Y	Y
Total TEQ	5.28	5.28 ng/Kg		11/20/10 02:00:00				5.28	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-020.R01 / SL0020 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111594 MB File Name: P210442 CCV File Name: P111583

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1178.487 pg	59 Percent		11/20/10 02:48:00		
13C-1,2,3,7,8-PeCDD	1076.599 pg	54 Percent		11/20/10 02:48:00		
13C-1,2,3,4,7,8-HxCDD	819.877 pg	41 Percent		11/20/10 02:48:00		
13C-1,2,3,6,7,8-HxCDD	935.944 pg	47 Percent		11/20/10 02:48:00		
13C-1,2,3,4,6,7,8-HpCDD	721.590 pg	36 Percent		11/20/10 02:48:00		
13C-OCDD	1124.644 pg	28 Percent		11/20/10 02:48:00		
13C-2,3,7,8-TCDF	1041.375 pg	52 Percent		11/20/10 02:48:00		
13C-1,2,3,7,8-PeCDF	1124.051 pg	56 Percent		11/20/10 02:48:00		
13C-2,3,4,7,8-PeCDF	959.163 pg	48 Percent		11/20/10 02:48:00		
13C-1,2,3,4,7,8-HxCDF	746.951 pg	37 Percent		11/20/10 02:48:00		
13C-1,2,3,6,7,8-HxCDF	969.066 pg	48 Percent		11/20/10 02:48:00		
13C-1,2,3,7,8,9-HxCDF	1017.306 pg	51 Percent		11/20/10 02:48:00		
13C-2,3,4,6,7,8-HxCDF	748.977 pg	37 Percent		11/20/10 02:48:00		
13C-1,2,3,4,6,7,8-HpCDF	748.615 pg	37 Percent		11/20/10 02:48:00		
13C-1,2,3,4,7,8,9-HpCDF	863.085 pg	43 Percent		11/20/10 02:48:00		
37Cl-2,3,7,8-TCDD	548.857 pg	69 Percent		11/20/10 02:48:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	0 pg	0 ng/Kg	U	11/20/10 02:48:00	1.17	0.330	1	0	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/20/10 02:48:00	5.84	0.316	1	0	Y	Y
1,2,3,4,7,8-HxCDD	4.786 pg	0.559 ng/Kg	JK	11/20/10 02:48:00	5.84	0.405	0.1	0.0559	Y	Y
1,2,3,6,7,8-HxCDD	16.567 pg	1.94 ng/Kg	J	11/20/10 02:48:00	5.84	0.548	0.1	0.194	Y	Y
1,2,3,7,8,9-HxCDD	23.588 pg	2.76 ng/Kg	J	11/20/10 02:48:00	5.84	0.451	0.1	0.276	Y	Y
1,2,3,4,6,7,8-HpCDD	1035.862 pg	121 ng/Kg		11/20/10 02:48:00	5.84	0.665	0.01	1.21	Y	Y
OCDD	115077.7 pg	13400 ng/Kg	BE	11/20/10 02:48:00	11.7	0.416	0.0003	4.02	Y	Y
2,3,7,8-TCDF	13.842 pg	1.62 ng/Kg	CK	11/20/10 02:48:00	1.17	0.380	0.1	0.162	N	Y
1,2,3,7,8-PeCDF	0 pg	0 ng/Kg	U	11/20/10 02:48:00	5.84	0.284	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 ng/Kg	U	11/20/10 02:48:00	5.84	0.308	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	6.838 pg	0.799 ng/Kg	J	11/20/10 02:48:00	5.84	0.318	0.1	0.0799	Y	Y
1,2,3,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/20/10 02:48:00	5.84	0.299	0.1	0	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 02:48:00	5.84	0.376	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0 pg	0 ng/Kg	U	11/20/10 02:48:00	5.84	0.384	0.1	0	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-020.R01 / SL0020 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 07/29/09 File Name: P111594 MB File Name: P210442 CCV File Name: P111583

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	53.654 pg	6.27 ng/Kg		11/20/10 02:48:00	5.84	0.271	0.01	0.0627	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 ng/Kg	U	11/20/10 02:48:00	5.84	0.348	0.01	0	Y	Y
OCDF	190.322 pg	22.2 ng/Kg		11/20/10 02:48:00	11.7	0.498	0.0003	0.00666	Y	Y
Total Tetra-Dioxins	0 pg	0 ng/Kg	U	11/20/10 02:48:00	1.17	0.330			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/20/10 02:48:00	5.84	0.316			Y	Y
Total Hexa-Dioxins	191.900 pg	22.4 ng/Kg		11/20/10 02:48:00	5.84	0.405			Y	Y
Total Hepta-Dioxins	2573.661 pg	301 ng/Kg		11/20/10 02:48:00	5.84	0.665			Y	Y
Total Tetra-Furans	0 pg	0 ng/Kg	U	11/20/10 02:48:00	1.17	0.380			Y	Y
Total Penta-Furans	36.401 pg	4.25 ng/Kg	J	11/20/10 02:48:00	5.84	0.308			Y	Y
Total Hexa-Furans	33.087 pg	3.87 ng/Kg	J	11/20/10 02:48:00	5.84	0.318			Y	Y
Total Hepta-Furans	144.175 pg	16.8 ng/Kg		11/20/10 02:48:00	5.84	0.271			Y	Y
Total TEQ	6.07	6.07 ng/Kg		11/20/10 02:48:00				6.07	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001239-020.R02 / SL0020 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138413 MB File Name: U138410 CCV File Name: U138409

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1101.871 pg	55 Percent		11/21/10 14:21:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	578.466 pg	72 Percent		11/21/10 14:21:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	16.872 pg	1.97 ng/Kg		11/21/10 14:21:00	1.17	0.165	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001239

1613B / Dioxins Furans

E1001239-020.R02 / SL0020 / Soil / Dry / Tier IV / MDL=Y Prep 123,858 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138413 MB File Name: U138410 CCV File Name: U138409

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	6.07	6.07 ng/Kg		11/21/10 14:21:00		6.07	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON
Semivoa GCMS
E1001240
1613B / Dioxins Furans

E1001240-001.R01 / SL0021 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224139 MB File Name: U224137 CCV File Name: U224133

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1145.701 pg	57 Percent		11/19/10 20:02:00		
13C-1,2,3,7,8-PeCDD	945.768 pg	47 Percent		11/19/10 20:02:00		
13C-1,2,3,4,7,8-HxCDD	1105.100 pg	55 Percent		11/19/10 20:02:00		
13C-1,2,3,6,7,8-HxCDD	1014.877 pg	51 Percent		11/19/10 20:02:00		
13C-1,2,3,4,6,7,8-HpCDD	835.142 pg	42 Percent		11/19/10 20:02:00		
13C-OCDD	1285.990 pg	32 Percent		11/19/10 20:02:00		
13C-2,3,7,8-TCDF	876.255 pg	44 Percent		11/19/10 20:02:00		
13C-1,2,3,7,8-PeCDF	1020.785 pg	51 Percent		11/19/10 20:02:00		
13C-2,3,4,7,8-PeCDF	873.716 pg	44 Percent		11/19/10 20:02:00		
13C-1,2,3,4,7,8-HxCDF	964.582 pg	48 Percent		11/19/10 20:02:00		
13C-1,2,3,6,7,8-HxCDF	1105.382 pg	55 Percent		11/19/10 20:02:00		
13C-1,2,3,7,8,9-HxCDF	935.621 pg	47 Percent		11/19/10 20:02:00		
13C-2,3,4,6,7,8-HxCDF	931.085 pg	47 Percent		11/19/10 20:02:00		
13C-1,2,3,4,6,7,8-HpCDF	916.353 pg	46 Percent		11/19/10 20:02:00		
13C-1,2,3,4,7,8,9-HpCDF	875.332 pg	44 Percent		11/19/10 20:02:00		
37Cl-2,3,7,8-TCDD	514.854 pg	64 Percent		11/19/10 20:02:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	3.050 pg	0.347 ng/Kg	JK	11/19/10 20:02:00	1.14	0.136	1	0.347	Y	Y
1,2,3,7,8-PeCDD	11.224 pg	1.28 ng/Kg	J	11/19/10 20:02:00	5.68	0.184	1	1.28	Y	Y
1,2,3,4,7,8-HxCDD	21.358 pg	2.43 ng/Kg	JK	11/19/10 20:02:00	5.68	0.310	0.1	0.243	Y	Y
1,2,3,6,7,8-HxCDD	143.224 pg	16.3 ng/Kg		11/19/10 20:02:00	5.68	0.417	0.1	1.63	Y	Y
1,2,3,7,8,9-HxCDD	70.701 pg	8.03 ng/Kg		11/19/10 20:02:00	5.68	0.338	0.1	0.803	Y	Y
1,2,3,4,6,7,8-HpCDD	8888.746 pg	1010 ng/Kg	B	11/19/10 20:02:00	5.68	0.215	0.01	10.1	Y	Y
OCDD	158543.8 pg	18000 ng/Kg	BE	11/19/10 20:02:00	11.4	0.166	0.0003	5.40	Y	Y
2,3,7,8-TCDF	25.134 pg	2.86 ng/Kg	C	11/19/10 20:02:00	1.14	0.180	0.1	0.286	N	Y
1,2,3,7,8-PeCDF	6.841 pg	0.777 ng/Kg	JK	11/19/10 20:02:00	5.68	0.149	0.03	0.0233	Y	Y
2,3,4,7,8-PeCDF	8.815 pg	1.00 ng/Kg	JK	11/19/10 20:02:00	5.68	0.165	0.3	0.300	Y	Y
1,2,3,4,7,8-HxCDF	36.413 pg	4.14 ng/Kg	J	11/19/10 20:02:00	5.68	0.670	0.1	0.414	Y	Y
1,2,3,6,7,8-HxCDF	19.231 pg	2.19 ng/Kg	JK	11/19/10 20:02:00	5.68	0.657	0.1	0.219	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 20:02:00	5.68	0.942	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	17.633 pg	2.00 ng/Kg	J	11/19/10 20:02:00	5.68	0.775	0.1	0.200	Y	Y
1,2,3,4,6,7,8-HpCDF	909.030 pg	103 ng/Kg		11/19/10 20:02:00	5.68	1.11	0.01	1.03	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-001.R01 / SL0021 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224139 MB File Name: U224137 CCV File Name: U224133

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,7,8,9-HpCDF	42.717 pg	4.85 ng/Kg	J	11/19/10 20:02:00	5.68	1.56	0.01	0.0485	Y	Y
OCDF	5657.245 pg	643 ng/Kg	B	11/19/10 20:02:00	11.4	0.251	0.0003	0.193	Y	Y
Total Tetra-Dioxins	15.938 pg	1.81 ng/Kg		11/19/10 20:02:00	1.14	0.136			Y	Y
Total Penta-Dioxins	144.928 pg	16.5 ng/Kg		11/19/10 20:02:00	5.68	0.184			Y	Y
Total Hexa-Dioxins	1132.386 pg	129 ng/Kg		11/19/10 20:02:00	5.68	0.310			Y	Y
Total Hepta-Dioxins	21115.161 pg	2400 ng/Kg		11/19/10 20:02:00	5.68	0.215			Y	Y
Total Tetra-Furans	114.162 pg	13.0 ng/Kg		11/19/10 20:02:00	1.14	0.180			Y	Y
Total Penta-Furans	253.629 pg	28.8 ng/Kg		11/19/10 20:02:00	5.68	0.165			Y	Y
Total Hexa-Furans	457.078 pg	51.9 ng/Kg		11/19/10 20:02:00	5.68	0.670			Y	Y
Total Hepta-Furans	3889.248 pg	442 ng/Kg		11/19/10 20:02:00	5.68	1.11			Y	Y
Total TEQ	22.5	22.5 ng/Kg		11/19/10 20:02:00				22.5	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-001.R02 / SL0021 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138414 MB File Name: U138410 CCV File Name: U138409

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	986.497 pg	49 Percent		11/21/10 14:58:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	559.672 pg	70 Percent		11/21/10 14:58:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	20.396 pg	2.32 ng/Kg		11/21/10 14:58:00	1.14	0.134	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-001.R02 / SL0021 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138414 MB File Name: U138410 CCV File Name: U138409

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	22.5	22.5 ng/Kg		11/21/10 14:58:00		22.5	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-002.R01 / SL0022 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224140 MB File Name: U224137 CCV File Name: U224133

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1193.922 pg	60 Percent		11/19/10 20:50:00		
13C-1,2,3,7,8-PeCDD	1056.499 pg	53 Percent		11/19/10 20:50:00		
13C-1,2,3,4,7,8-HxCDD	1248.375 pg	62 Percent		11/19/10 20:50:00		
13C-1,2,3,6,7,8-HxCDD	1148.036 pg	57 Percent		11/19/10 20:50:00		
13C-1,2,3,4,6,7,8-HpCDD	957.254 pg	48 Percent		11/19/10 20:50:00		
13C-OCDD	1515.407 pg	38 Percent		11/19/10 20:50:00		
13C-2,3,7,8-TCDF	913.783 pg	46 Percent		11/19/10 20:50:00		
13C-1,2,3,7,8-PeCDF	1111.270 pg	56 Percent		11/19/10 20:50:00		
13C-2,3,4,7,8-PeCDF	1021.386 pg	51 Percent		11/19/10 20:50:00		
13C-1,2,3,4,7,8-HxCDF	1070.295 pg	54 Percent		11/19/10 20:50:00		
13C-1,2,3,6,7,8-HxCDF	1209.585 pg	60 Percent		11/19/10 20:50:00		
13C-1,2,3,7,8,9-HxCDF	1085.729 pg	54 Percent		11/19/10 20:50:00		
13C-2,3,4,6,7,8-HxCDF	1057.168 pg	53 Percent		11/19/10 20:50:00		
13C-1,2,3,4,6,7,8-HpCDF	1022.685 pg	51 Percent		11/19/10 20:50:00		
13C-1,2,3,4,7,8,9-HpCDF	1048.385 pg	52 Percent		11/19/10 20:50:00		
37Cl-2,3,7,8-TCDD	550.478 pg	69 Percent		11/19/10 20:50:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	3.318 pg	0.336 ng/Kg	JK	11/19/10 20:50:00	1.01	0.161	1	0.336	Y	Y
1,2,3,7,8-PeCDD	10.804 pg	1.09 ng/Kg	JK	11/19/10 20:50:00	5.06	0.127	1	1.09	Y	Y
1,2,3,4,7,8-HxCDD	30.731 pg	3.11 ng/Kg	J	11/19/10 20:50:00	5.06	0.386	0.1	0.311	Y	Y
1,2,3,6,7,8-HxCDD	179.917 pg	18.2 ng/Kg		11/19/10 20:50:00	5.06	0.510	0.1	1.82	Y	Y
1,2,3,7,8,9-HxCDD	82.059 pg	8.30 ng/Kg		11/19/10 20:50:00	5.06	0.416	0.1	0.830	Y	Y
1,2,3,4,6,7,8-HpCDD	10672.598 pg	1080 ng/Kg	B	11/19/10 20:50:00	5.06	0.188	0.01	10.8	Y	Y
OCDD	180666.3 pg	18300 ng/Kg	BE	11/19/10 20:50:00	10.1	0.210	0.0003	5.49	Y	Y
2,3,7,8-TCDF	25.476 pg	2.58 ng/Kg	C	11/19/10 20:50:00	1.01	0.199	0.1	0.258	N	Y
1,2,3,7,8-PeCDF	7.596 pg	0.769 ng/Kg	J	11/19/10 20:50:00	5.06	0.121	0.03	0.0231	Y	Y
2,3,4,7,8-PeCDF	11.616 pg	1.18 ng/Kg	J	11/19/10 20:50:00	5.06	0.124	0.3	0.354	Y	Y
1,2,3,4,7,8-HxCDF	38.784 pg	3.92 ng/Kg	J	11/19/10 20:50:00	5.06	0.591	0.1	0.392	Y	Y
1,2,3,6,7,8-HxCDF	30.937 pg	3.13 ng/Kg	J	11/19/10 20:50:00	5.06	0.558	0.1	0.313	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 20:50:00	5.06	0.772	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	27.450 pg	2.78 ng/Kg	J	11/19/10 20:50:00	5.06	0.649	0.1	0.278	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-002.R01 / SL0022 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224140 MB File Name: U224137 CCV File Name: U224133

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	1271.610 pg	129 ng/Kg		11/19/10 20:50:00	5.06	1.20	0.01	1.29	Y	Y
1,2,3,4,7,8,9-HpCDF	54.089 pg	5.47 ng/Kg		11/19/10 20:50:00	5.06	1.60	0.01	0.0547	Y	Y
OCDF	7680.544 pg	777 ng/Kg	B	11/19/10 20:50:00	10.1	0.164	0.0003	0.233	Y	Y
Total Tetra-Dioxins	25.435 pg	2.57 ng/Kg		11/19/10 20:50:00	1.01	0.161			Y	Y
Total Penta-Dioxins	148.302 pg	15.0 ng/Kg		11/19/10 20:50:00	5.06	0.127			Y	Y
Total Hexa-Dioxins	1492.806 pg	151 ng/Kg		11/19/10 20:50:00	5.06	0.386			Y	Y
Total Hepta-Dioxins	25426.120 pg	2570 ng/Kg		11/19/10 20:50:00	5.06	0.188			Y	Y
Total Tetra-Furans	183.932 pg	18.6 ng/Kg		11/19/10 20:50:00	1.01	0.199			Y	Y
Total Penta-Furans	446.212 pg	45.2 ng/Kg		11/19/10 20:50:00	5.06	0.124			Y	Y
Total Hexa-Furans	1263.486 pg	128 ng/Kg		11/19/10 20:50:00	5.06	0.591			Y	Y
Total Hepta-Furans	5186.659 pg	525 ng/Kg		11/19/10 20:50:00	5.06	1.20			Y	Y
Total TEQ	23.9	23.9 ng/Kg		11/19/10 20:50:00				23.9	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-002.R02 / SL0022 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138415 MB File Name: U138410 CCV File Name: U138409

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	999.537 pg	50 Percent		11/21/10 15:35:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	578.408 pg	72 Percent		11/21/10 15:35:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	15.464 pg	1.56 ng/Kg	K	11/21/10 15:35:00	1.01	0.160	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-002.R02 / SL0022 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138415 MB File Name: U138410 CCV File Name: U138409

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	23.9	23.9 ng/Kg		11/21/10 15:35:00		23.9	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-003 / SL0023 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138416 MB File Name: U138410 CCV File Name: U138409

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1483.547 pg	74 Percent		11/21/10 16:12:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	721.997 pg	90 Percent		11/21/10 16:12:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	0 pg	0 ng/Kg	U	11/21/10 16:12:00	1.14	0.235	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-003 / SL0023 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138416 MB File Name: U138410 CCV File Name: U138409

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	0.943	0.943 ng/Kg		11/21/10 16:12:00		0.943	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-003.R01 / SL0023 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224141 MB File Name: U224137 CCV File Name: U224133

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1513.776 pg	76 Percent		11/19/10 21:38:00		
13C-1,2,3,7,8-PeCDD	1379.292 pg	69 Percent		11/19/10 21:38:00		
13C-1,2,3,4,7,8-HxCDD	1516.847 pg	76 Percent		11/19/10 21:38:00		
13C-1,2,3,6,7,8-HxCDD	1377.774 pg	69 Percent		11/19/10 21:38:00		
13C-1,2,3,4,6,7,8-HpCDD	1154.679 pg	58 Percent		11/19/10 21:38:00		
13C-OCDD	1608.685 pg	40 Percent		11/19/10 21:38:00		
13C-2,3,7,8-TCDF	1305.929 pg	65 Percent		11/19/10 21:38:00		
13C-1,2,3,7,8-PeCDF	1413.160 pg	71 Percent		11/19/10 21:38:00		
13C-2,3,4,7,8-PeCDF	1236.010 pg	62 Percent		11/19/10 21:38:00		
13C-1,2,3,4,7,8-HxCDF	1230.677 pg	62 Percent		11/19/10 21:38:00		
13C-1,2,3,6,7,8-HxCDF	1460.727 pg	73 Percent		11/19/10 21:38:00		
13C-1,2,3,7,8,9-HxCDF	1370.159 pg	69 Percent		11/19/10 21:38:00		
13C-2,3,4,6,7,8-HxCDF	1279.801 pg	64 Percent		11/19/10 21:38:00		
13C-1,2,3,4,6,7,8-HpCDF	1298.584 pg	65 Percent		11/19/10 21:38:00		
13C-1,2,3,4,7,8,9-HpCDF	1209.524 pg	60 Percent		11/19/10 21:38:00		
37Cl-2,3,7,8-TCDD	671.071 pg	84 Percent		11/19/10 21:38:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	0 pg	0 ng/Kg	U	11/19/10 21:38:00	1.14	0.125	1	0	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 ng/Kg	U	11/19/10 21:38:00	5.71	0.132	1	0	Y	Y
1,2,3,4,7,8-HxCDD	4.929 pg	0.563 ng/Kg	J	11/19/10 21:38:00	5.71	0.104	0.1	0.0563	Y	Y
1,2,3,6,7,8-HxCDD	8.488 pg	0.970 ng/Kg	JK	11/19/10 21:38:00	5.71	0.138	0.1	0.0970	Y	Y
1,2,3,7,8,9-HxCDD	12.543 pg	1.43 ng/Kg	J	11/19/10 21:38:00	5.71	0.113	0.1	0.143	Y	Y
1,2,3,4,6,7,8-HpCDD	281.041 pg	32.1 ng/Kg	B	11/19/10 21:38:00	5.71	0.422	0.01	0.321	Y	Y
OCDD	5796.543 pg	663 ng/Kg	B	11/19/10 21:38:00	11.4	0.461	0.0003	0.199	Y	Y
2,3,7,8-TCDF	3.430 pg	0.392 ng/Kg	CJK	11/19/10 21:38:00	1.14	0.155	0.1	0.0392	N	Y
1,2,3,7,8-PeCDF	0 pg	0 ng/Kg	U	11/19/10 21:38:00	5.71	0.127	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 ng/Kg	U	11/19/10 21:38:00	5.71	0.134	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	2.798 pg	0.320 ng/Kg	J	11/19/10 21:38:00	5.71	0.106	0.1	0.0320	Y	Y
1,2,3,6,7,8-HxCDF	1.358 pg	0.155 ng/Kg	J	11/19/10 21:38:00	5.71	0.106	0.1	0.0155	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 21:38:00	5.71	0.127	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	1.511 pg	0.173 ng/Kg	J	11/19/10 21:38:00	5.71	0.116	0.1	0.0173	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-003.R01 / SL0023 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224141 MB File Name: U224137 CCV File Name: U224133

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	17.522 pg	2.00 ng/Kg	J	11/19/10 21:38:00	5.71	0.122	0.01	0.0200	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 ng/Kg	U	11/19/10 21:38:00	5.71	0.177	0.01	0	Y	Y
OCDF	65.100 pg	7.44 ng/Kg	BJ	11/19/10 21:38:00	11.4	0.225	0.0003	0.00223	Y	Y
Total Tetra-Dioxins	0 pg	0 ng/Kg	U	11/19/10 21:38:00	1.14	0.125			Y	Y
Total Penta-Dioxins	0 pg	0 ng/Kg	U	11/19/10 21:38:00	5.71	0.132			Y	Y
Total Hexa-Dioxins	89.441 pg	10.2 ng/Kg		11/19/10 21:38:00	5.71	0.104			Y	Y
Total Hepta-Dioxins	858.429 pg	98.1 ng/Kg		11/19/10 21:38:00	5.71	0.422			Y	Y
Total Tetra-Furans	6.562 pg	0.750 ng/Kg	J	11/19/10 21:38:00	1.14	0.155			Y	Y
Total Penta-Furans	3.984 pg	0.455 ng/Kg	J	11/19/10 21:38:00	5.71	0.134			Y	Y
Total Hexa-Furans	20.871 pg	2.39 ng/Kg	J	11/19/10 21:38:00	5.71	0.106			Y	Y
Total Hepta-Furans	41.605 pg	4.76 ng/Kg	J	11/19/10 21:38:00	5.71	0.122			Y	Y
Total TEQ	0.943	0.943 ng/Kg		11/19/10 21:38:00				0.943	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-004 / SL0024 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138417 MB File Name: U138410 CCV File Name: U138409

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1379.759 pg	69 Percent		11/21/10 16:49:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	724.879 pg	91 Percent		11/21/10 16:49:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	10.436 pg	1.26 ng/Kg		11/21/10 16:49:00	1.21	0.142	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-004 / SL0024 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138417 MB File Name: U138410 CCV File Name: U138409

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	2.88	2.88 ng/Kg		11/21/10 16:49:00		2.88	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-004.R01 / SL0024 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224142 MB File Name: U224137 CCV File Name: U224133

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1461.931 pg	73 Percent		11/19/10 22:26:00		
13C-1,2,3,7,8-PeCDD	1290.182 pg	65 Percent		11/19/10 22:26:00		
13C-1,2,3,4,7,8-HxCDD	1386.284 pg	69 Percent		11/19/10 22:26:00		
13C-1,2,3,6,7,8-HxCDD	1300.636 pg	65 Percent		11/19/10 22:26:00		
13C-1,2,3,4,6,7,8-HpCDD	1005.584 pg	50 Percent		11/19/10 22:26:00		
13C-OCDD	1571.361 pg	39 Percent		11/19/10 22:26:00		
13C-2,3,7,8-TCDF	1218.764 pg	61 Percent		11/19/10 22:26:00		
13C-1,2,3,7,8-PeCDF	1316.404 pg	66 Percent		11/19/10 22:26:00		
13C-2,3,4,7,8-PeCDF	1131.202 pg	57 Percent		11/19/10 22:26:00		
13C-1,2,3,4,7,8-HxCDF	1171.215 pg	59 Percent		11/19/10 22:26:00		
13C-1,2,3,6,7,8-HxCDF	1318.874 pg	66 Percent		11/19/10 22:26:00		
13C-1,2,3,7,8,9-HxCDF	1350.992 pg	68 Percent		11/19/10 22:26:00		
13C-2,3,4,6,7,8-HxCDF	1191.446 pg	60 Percent		11/19/10 22:26:00		
13C-1,2,3,4,6,7,8-HpCDF	1163.593 pg	58 Percent		11/19/10 22:26:00		
13C-1,2,3,4,7,8,9-HpCDF	1092.082 pg	55 Percent		11/19/10 22:26:00		
37Cl-2,3,7,8-TCDD	684.490 pg	86 Percent		11/19/10 22:26:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	1.799 pg	0.218 ng/Kg	JK	11/19/10 22:26:00	1.21	0.134	1	0.218	Y	Y
1,2,3,7,8-PeCDD	3.343 pg	0.404 ng/Kg	JK	11/19/10 22:26:00	6.05	0.106	1	0.404	Y	Y
1,2,3,4,7,8-HxCDD	6.780 pg	0.820 ng/Kg	J	11/19/10 22:26:00	6.05	0.172	0.1	0.0820	Y	Y
1,2,3,6,7,8-HxCDD	18.008 pg	2.18 ng/Kg	J	11/19/10 22:26:00	6.05	0.227	0.1	0.218	Y	Y
1,2,3,7,8,9-HxCDD	19.465 pg	2.35 ng/Kg	J	11/19/10 22:26:00	6.05	0.186	0.1	0.235	Y	Y
1,2,3,4,6,7,8-HpCDD	605.921 pg	73.3 ng/Kg	B	11/19/10 22:26:00	6.05	0.359	0.01	0.733	Y	Y
OCDD	11268.897 pg	1360 ng/Kg	B	11/19/10 22:26:00	12.1	0.300	0.0003	0.408	Y	Y
2,3,7,8-TCDF	10.251 pg	1.24 ng/Kg	C	11/19/10 22:26:00	1.21	0.159	0.1	0.124	N	Y
1,2,3,7,8-PeCDF	2.198 pg	0.266 ng/Kg	JK	11/19/10 22:26:00	6.05	0.0897	0.03	0.00798	Y	Y
2,3,4,7,8-PeCDF	3.906 pg	0.472 ng/Kg	J	11/19/10 22:26:00	6.05	0.0942	0.3	0.142	Y	Y
1,2,3,4,7,8-HxCDF	9.666 pg	1.17 ng/Kg	J	11/19/10 22:26:00	6.05	0.135	0.1	0.117	Y	Y
1,2,3,6,7,8-HxCDF	4.424 pg	0.535 ng/Kg	J	11/19/10 22:26:00	6.05	0.127	0.1	0.0535	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 22:26:00	6.05	0.154	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	3.931 pg	0.476 ng/Kg	J	11/19/10 22:26:00	6.05	0.147	0.1	0.0476	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-004.R01 / SL0024 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224142 MB File Name: U224137 CCV File Name: U224133

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	66.788 pg	8.08 ng/Kg		11/19/10 22:26:00	6.05	0.160	0.01	0.0808	Y	Y
1,2,3,4,7,8,9-HpCDF	4.315 pg	0.522 ng/Kg	JK	11/19/10 22:26:00	6.05	0.227	0.01	0.00522	Y	Y
OCDF	243.609 pg	29.5 ng/Kg	B	11/19/10 22:26:00	12.1	0.242	0.0003	0.00885	Y	Y
Total Tetra-Dioxins	0 pg	0 ng/Kg	U	11/19/10 22:26:00	1.21	0.134			Y	Y
Total Penta-Dioxins	3.329 pg	0.403 ng/Kg	J	11/19/10 22:26:00	6.05	0.106			Y	Y
Total Hexa-Dioxins	185.387 pg	22.4 ng/Kg		11/19/10 22:26:00	6.05	0.172			Y	Y
Total Hepta-Dioxins	1848.313 pg	224 ng/Kg		11/19/10 22:26:00	6.05	0.359			Y	Y
Total Tetra-Furans	23.086 pg	2.79 ng/Kg		11/19/10 22:26:00	1.21	0.159			Y	Y
Total Penta-Furans	47.854 pg	5.79 ng/Kg	J	11/19/10 22:26:00	6.05	0.0942			Y	Y
Total Hexa-Furans	79.378 pg	9.60 ng/Kg		11/19/10 22:26:00	6.05	0.135			Y	Y
Total Hepta-Furans	170.869 pg	20.7 ng/Kg		11/19/10 22:26:00	6.05	0.160			Y	Y
Total TEQ	2.88	2.88 ng/Kg		11/19/10 22:26:00				2.88	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON
Semivoa GCMS
E1001240
1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-005.R01 / SL0025 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224143 MB File Name: U224137 CCV File Name: U224133

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1276.341 pg	64 Percent		11/19/10 23:13:00		
13C-1,2,3,7,8-PeCDD	1073.468 pg	54 Percent		11/19/10 23:13:00		
13C-1,2,3,4,7,8-HxCDD	1145.805 pg	57 Percent		11/19/10 23:13:00		
13C-1,2,3,6,7,8-HxCDD	1085.896 pg	54 Percent		11/19/10 23:13:00		
13C-1,2,3,4,6,7,8-HpCDD	918.621 pg	46 Percent		11/19/10 23:13:00		
13C-OCDD	1351.490 pg	34 Percent		11/19/10 23:13:00		
13C-2,3,7,8-TCDF	983.401 pg	49 Percent		11/19/10 23:13:00		
13C-1,2,3,7,8-PeCDF	1127.251 pg	56 Percent		11/19/10 23:13:00		
13C-2,3,4,7,8-PeCDF	936.813 pg	47 Percent		11/19/10 23:13:00		
13C-1,2,3,4,7,8-HxCDF	993.992 pg	50 Percent		11/19/10 23:13:00		
13C-1,2,3,6,7,8-HxCDF	1109.273 pg	55 Percent		11/19/10 23:13:00		
13C-1,2,3,7,8,9-HxCDF	1140.237 pg	57 Percent		11/19/10 23:13:00		
13C-2,3,4,6,7,8-HxCDF	980.894 pg	49 Percent		11/19/10 23:13:00		
13C-1,2,3,4,6,7,8-HpCDF	1009.775 pg	50 Percent		11/19/10 23:13:00		
13C-1,2,3,4,7,8,9-HpCDF	974.601 pg	49 Percent		11/19/10 23:13:00		
37Cl-2,3,7,8-TCDD	566.562 pg	71 Percent		11/19/10 23:13:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	3.346 pg	0.318 ng/Kg	J	11/19/10 23:13:00	0.952	0.153	1	0.318	Y	Y
1,2,3,7,8-PeCDD	7.736 pg	0.736 ng/Kg	J	11/19/10 23:13:00	4.76	0.176	1	0.736	Y	Y
1,2,3,4,7,8-HxCDD	16.398 pg	1.56 ng/Kg	J	11/19/10 23:13:00	4.76	0.131	0.1	0.156	Y	Y
1,2,3,6,7,8-HxCDD	87.237 pg	8.30 ng/Kg		11/19/10 23:13:00	4.76	0.169	0.1	0.830	Y	Y
1,2,3,7,8,9-HxCDD	54.277 pg	5.17 ng/Kg		11/19/10 23:13:00	4.76	0.140	0.1	0.517	Y	Y
1,2,3,4,6,7,8-HpCDD	4638.198 pg	441 ng/Kg	B	11/19/10 23:13:00	4.76	2.43	0.01	4.41	Y	Y
OCDD	68390.260 pg	6510 ng/Kg	BE	11/19/10 23:13:00	9.52	0.366	0.0003	1.95	Y	Y
2,3,7,8-TCDF	22.598 pg	2.15 ng/Kg	C	11/19/10 23:13:00	0.952	0.188	0.1	0.215	N	Y
1,2,3,7,8-PeCDF	5.950 pg	0.566 ng/Kg	J	11/19/10 23:13:00	4.76	0.128	0.03	0.0170	Y	Y
2,3,4,7,8-PeCDF	9.770 pg	0.930 ng/Kg	J	11/19/10 23:13:00	4.76	0.144	0.3	0.279	Y	Y
1,2,3,4,7,8-HxCDF	33.810 pg	3.22 ng/Kg	J	11/19/10 23:13:00	4.76	0.330	0.1	0.322	Y	Y
1,2,3,6,7,8-HxCDF	12.832 pg	1.22 ng/Kg	J	11/19/10 23:13:00	4.76	0.318	0.1	0.122	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/19/10 23:13:00	4.76	0.382	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	13.396 pg	1.27 ng/Kg	J	11/19/10 23:13:00	4.76	0.371	0.1	0.127	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-005.R01 / SL0025 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224143 MB File Name: U224137 CCV File Name: U224133

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	398.850 pg	38.0 ng/Kg		11/19/10 23:13:00	4.76	0.404	0.01	0.380	Y	Y
1,2,3,4,7,8,9-HpCDF	26.829 pg	2.55 ng/Kg	J	11/19/10 23:13:00	4.76	0.580	0.01	0.0255	Y	Y
OCDF	2971.101 pg	283 ng/Kg	B	11/19/10 23:13:00	9.52	0.237	0.0003	0.0849	Y	Y
Total Tetra-Dioxins	7.853 pg	0.747 ng/Kg	J	11/19/10 23:13:00	0.952	0.153			Y	Y
Total Penta-Dioxins	27.437 pg	2.61 ng/Kg	J	11/19/10 23:13:00	4.76	0.176			Y	Y
Total Hexa-Dioxins	797.333 pg	75.9 ng/Kg		11/19/10 23:13:00	4.76	0.131			Y	Y
Total Hepta-Dioxins	12911.841 pg	1230 ng/Kg		11/19/10 23:13:00	4.76	2.43			Y	Y
Total Tetra-Furans	68.838 pg	6.55 ng/Kg		11/19/10 23:13:00	0.952	0.188			Y	Y
Total Penta-Furans	140.566 pg	13.4 ng/Kg		11/19/10 23:13:00	4.76	0.144			Y	Y
Total Hexa-Furans	405.795 pg	38.6 ng/Kg		11/19/10 23:13:00	4.76	0.330			Y	Y
Total Hepta-Furans	1870.462 pg	178 ng/Kg		11/19/10 23:13:00	4.76	0.404			Y	Y
Total TEQ	10.5	10.5 ng/Kg		11/19/10 23:13:00				10.5	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-005.R02 / SL0025 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138418 MB File Name: U138410 CCV File Name: U138409

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1112.656 pg	56 Percent		11/21/10 17:26:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	600.101 pg	75 Percent		11/21/10 17:26:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	18.984 pg	1.81 ng/Kg		11/21/10 17:26:00	0.952	0.251	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-005.R02 / SL0025 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138418 MB File Name: U138410 CCV File Name: U138409

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	10.5	10.5 ng/Kg		11/21/10 17:26:00		10.5	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-006 / SL0026 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138419 MB File Name: U138410 CCV File Name: U138409

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1214.602 pg	61 Percent		11/21/10 18:03:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	699.663 pg	87 Percent		11/21/10 18:03:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	12.645 pg	1.13 ng/Kg		11/21/10 18:03:00	0.897	0.220	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-006 / SL0026 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138419 MB File Name: U138410 CCV File Name: U138409

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	3.93	3.93 ng/Kg		11/21/10 18:03:00		3.93	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-006.R01 / SL0026 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224144 MB File Name: U224137 CCV File Name: U224133

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1474.652 pg	74 Percent		11/20/10 00:01:00		
13C-1,2,3,7,8-PeCDD	1277.528 pg	64 Percent		11/20/10 00:01:00		
13C-1,2,3,4,7,8-HxCDD	1312.738 pg	66 Percent		11/20/10 00:01:00		
13C-1,2,3,6,7,8-HxCDD	1322.686 pg	66 Percent		11/20/10 00:01:00		
13C-1,2,3,4,6,7,8-HpCDD	1011.112 pg	51 Percent		11/20/10 00:01:00		
13C-OCDD	1184.492 pg	30 Percent		11/20/10 00:01:00		
13C-2,3,7,8-TCDF	1268.013 pg	63 Percent		11/20/10 00:01:00		
13C-1,2,3,7,8-PeCDF	1316.508 pg	66 Percent		11/20/10 00:01:00		
13C-2,3,4,7,8-PeCDF	1143.437 pg	57 Percent		11/20/10 00:01:00		
13C-1,2,3,4,7,8-HxCDF	1132.603 pg	57 Percent		11/20/10 00:01:00		
13C-1,2,3,6,7,8-HxCDF	1299.762 pg	65 Percent		11/20/10 00:01:00		
13C-1,2,3,7,8,9-HxCDF	1361.597 pg	68 Percent		11/20/10 00:01:00		
13C-2,3,4,6,7,8-HxCDF	1172.358 pg	59 Percent		11/20/10 00:01:00		
13C-1,2,3,4,6,7,8-HpCDF	1147.322 pg	57 Percent		11/20/10 00:01:00		
13C-1,2,3,4,7,8,9-HpCDF	1085.852 pg	54 Percent		11/20/10 00:01:00		
37Cl-2,3,7,8-TCDD	654.530 pg	82 Percent		11/20/10 00:01:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	2.823 pg	0.253 ng/Kg	JK	11/20/10 00:01:00	0.897	0.108	1	0.253	Y	Y
1,2,3,7,8-PeCDD	3.280 pg	0.294 ng/Kg	JK	11/20/10 00:01:00	4.49	0.0855	1	0.294	Y	Y
1,2,3,4,7,8-HxCDD	7.686 pg	0.690 ng/Kg	J	11/20/10 00:01:00	4.49	0.129	0.1	0.0690	Y	Y
1,2,3,6,7,8-HxCDD	33.486 pg	3.00 ng/Kg	J	11/20/10 00:01:00	4.49	0.172	0.1	0.300	Y	Y
1,2,3,7,8,9-HxCDD	26.536 pg	2.38 ng/Kg	J	11/20/10 00:01:00	4.49	0.140	0.1	0.238	Y	Y
1,2,3,4,6,7,8-HpCDD	1452.370 pg	130 ng/Kg	B	11/20/10 00:01:00	4.49	0.907	0.01	1.30	Y	Y
OCDD	23087.723 pg	2070 ng/Kg	B	11/20/10 00:01:00	8.97	0.269	0.0003	0.621	Y	Y
2,3,7,8-TCDF	16.997 pg	1.53 ng/Kg	C	11/20/10 00:01:00	0.897	0.114	0.1	0.153	N	Y
1,2,3,7,8-PeCDF	4.343 pg	0.390 ng/Kg	J	11/20/10 00:01:00	4.49	0.0888	0.03	0.0117	Y	Y
2,3,4,7,8-PeCDF	6.672 pg	0.599 ng/Kg	J	11/20/10 00:01:00	4.49	0.0969	0.3	0.180	Y	Y
1,2,3,4,7,8-HxCDF	21.282 pg	1.91 ng/Kg	J	11/20/10 00:01:00	4.49	0.103	0.1	0.191	Y	Y
1,2,3,6,7,8-HxCDF	9.076 pg	0.814 ng/Kg	J	11/20/10 00:01:00	4.49	0.0970	0.1	0.0814	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 00:01:00	4.49	0.113	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	6.969 pg	0.625 ng/Kg	J	11/20/10 00:01:00	4.49	0.109	0.1	0.0625	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-006.R01 / SL0026 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224144 MB File Name: U224137 CCV File Name: U224133

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	153.471 pg	13.8 ng/Kg		11/20/10 00:01:00	4.49	0.227	0.01	0.138	Y	Y
1,2,3,4,7,8,9-HpCDF	13.573 pg	1.22 ng/Kg	J	11/20/10 00:01:00	4.49	0.325	0.01	0.0122	Y	Y
OCDF	768.329 pg	68.9 ng/Kg	B	11/20/10 00:01:00	8.97	0.240	0.0003	0.0207	Y	Y
Total Tetra-Dioxins	1.527 pg	0.137 ng/Kg	J	11/20/10 00:01:00	0.897	0.108			Y	Y
Total Penta-Dioxins	7.333 pg	0.658 ng/Kg	J	11/20/10 00:01:00	4.49	0.0855			Y	Y
Total Hexa-Dioxins	358.335 pg	32.2 ng/Kg		11/20/10 00:01:00	4.49	0.129			Y	Y
Total Hepta-Dioxins	4791.590 pg	430 ng/Kg		11/20/10 00:01:00	4.49	0.907			Y	Y
Total Tetra-Furans	61.356 pg	5.51 ng/Kg		11/20/10 00:01:00	0.897	0.114			Y	Y
Total Penta-Furans	84.940 pg	7.62 ng/Kg		11/20/10 00:01:00	4.49	0.0969			Y	Y
Total Hexa-Furans	129.896 pg	11.7 ng/Kg		11/20/10 00:01:00	4.49	0.103			Y	Y
Total Hepta-Furans	577.868 pg	51.9 ng/Kg		11/20/10 00:01:00	4.49	0.227			Y	Y
Total TEQ	3.93	3.93 ng/Kg		11/20/10 00:01:00				3.93	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-007 / SL0027 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138420 MB File Name: U138410 CCV File Name: U138409

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1164.635 pg	58 Percent		11/21/10 18:40:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	607.169 pg	76 Percent		11/21/10 18:40:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	18.553 pg	2.05 ng/Kg		11/21/10 18:40:00	1.10	0.281	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-007 / SL0027 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138420 MB File Name: U138410 CCV File Name: U138409

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	6.20	6.20 ng/Kg		11/21/10 18:40:00		6.20	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-007.R01 / SL0027 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224145 MB File Name: U224137 CCV File Name: U224133

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1272.926 pg	64 Percent		11/20/10 00:49:00		
13C-1,2,3,7,8-PeCDD	1077.808 pg	54 Percent		11/20/10 00:49:00		
13C-1,2,3,4,7,8-HxCDD	1191.683 pg	60 Percent		11/20/10 00:49:00		
13C-1,2,3,6,7,8-HxCDD	1163.005 pg	58 Percent		11/20/10 00:49:00		
13C-1,2,3,4,6,7,8-HpCDD	898.527 pg	45 Percent		11/20/10 00:49:00		
13C-OCDD	1172.314 pg	29 Percent		11/20/10 00:49:00		
13C-2,3,7,8-TCDF	1036.437 pg	52 Percent		11/20/10 00:49:00		
13C-1,2,3,7,8-PeCDF	1135.548 pg	57 Percent		11/20/10 00:49:00		
13C-2,3,4,7,8-PeCDF	974.675 pg	49 Percent		11/20/10 00:49:00		
13C-1,2,3,4,7,8-HxCDF	1035.314 pg	52 Percent		11/20/10 00:49:00		
13C-1,2,3,6,7,8-HxCDF	1184.848 pg	59 Percent		11/20/10 00:49:00		
13C-1,2,3,7,8,9-HxCDF	1222.765 pg	61 Percent		11/20/10 00:49:00		
13C-2,3,4,6,7,8-HxCDF	1061.877 pg	53 Percent		11/20/10 00:49:00		
13C-1,2,3,4,6,7,8-HpCDF	1069.929 pg	53 Percent		11/20/10 00:49:00		
13C-1,2,3,4,7,8,9-HpCDF	964.944 pg	48 Percent		11/20/10 00:49:00		
37Cl-2,3,7,8-TCDD	568.245 pg	71 Percent		11/20/10 00:49:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	1.786 pg	0.197 ng/Kg	JK	11/20/10 00:49:00	1.10	0.155	1	0.197	Y	Y
1,2,3,7,8-PeCDD	5.387 pg	0.595 ng/Kg	J	11/20/10 00:49:00	5.52	0.193	1	0.595	Y	Y
1,2,3,4,7,8-HxCDD	9.283 pg	1.03 ng/Kg	J	11/20/10 00:49:00	5.52	0.205	0.1	0.103	Y	Y
1,2,3,6,7,8-HxCDD	44.122 pg	4.87 ng/Kg	J	11/20/10 00:49:00	5.52	0.268	0.1	0.487	Y	Y
1,2,3,7,8,9-HxCDD	32.537 pg	3.59 ng/Kg	J	11/20/10 00:49:00	5.52	0.221	0.1	0.359	Y	Y
1,2,3,4,6,7,8-HpCDD	1631.594 pg	180 ng/Kg	B	11/20/10 00:49:00	5.52	0.689	0.01	1.80	Y	Y
OCDD	28691.749 pg	3170 ng/Kg	B	11/20/10 00:49:00	11.0	0.415	0.0003	0.951	Y	Y
2,3,7,8-TCDF	31.669 pg	3.50 ng/Kg	C	11/20/10 00:49:00	1.10	0.171	0.1	0.350	N	Y
1,2,3,7,8-PeCDF	7.127 pg	0.787 ng/Kg	JK	11/20/10 00:49:00	5.52	0.0875	0.03	0.0236	Y	Y
2,3,4,7,8-PeCDF	13.004 pg	1.44 ng/Kg	J	11/20/10 00:49:00	5.52	0.0943	0.3	0.432	Y	Y
1,2,3,4,7,8-HxCDF	37.382 pg	4.13 ng/Kg	J	11/20/10 00:49:00	5.52	0.265	0.1	0.413	Y	Y
1,2,3,6,7,8-HxCDF	13.634 pg	1.51 ng/Kg	JK	11/20/10 00:49:00	5.52	0.248	0.1	0.151	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 00:49:00	5.52	0.304	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	10.145 pg	1.12 ng/Kg	J	11/20/10 00:49:00	5.52	0.286	0.1	0.112	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-007.R01 / SL0027 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224145 MB File Name: U224137 CCV File Name: U224133

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	169.030 pg	18.7 ng/Kg		11/20/10 00:49:00	5.52	0.346	0.01	0.187	Y	Y
1,2,3,4,7,8,9-HpCDF	14.455 pg	1.60 ng/Kg	J	11/20/10 00:49:00	5.52	0.533	0.01	0.0160	Y	Y
OCDF	670.495 pg	74.0 ng/Kg	B	11/20/10 00:49:00	11.0	0.378	0.0003	0.0222	Y	Y
Total Tetra-Dioxins	8.447 pg	0.933 ng/Kg	J	11/20/10 00:49:00	1.10	0.155			Y	Y
Total Penta-Dioxins	28.041 pg	3.10 ng/Kg	J	11/20/10 00:49:00	5.52	0.193			Y	Y
Total Hexa-Dioxins	379.139 pg	41.9 ng/Kg		11/20/10 00:49:00	5.52	0.205			Y	Y
Total Hepta-Dioxins	3710.360 pg	410 ng/Kg		11/20/10 00:49:00	5.52	0.689			Y	Y
Total Tetra-Furans	140.239 pg	15.5 ng/Kg		11/20/10 00:49:00	1.10	0.171			Y	Y
Total Penta-Furans	206.026 pg	22.7 ng/Kg		11/20/10 00:49:00	5.52	0.0943			Y	Y
Total Hexa-Furans	255.559 pg	28.2 ng/Kg		11/20/10 00:49:00	5.52	0.265			Y	Y
Total Hepta-Furans	497.426 pg	54.9 ng/Kg		11/20/10 00:49:00	5.52	0.346			Y	Y
Total TEQ	6.20	6.20 ng/Kg		11/20/10 00:49:00				6.20	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-008.R01 / SL0028 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224146 MB File Name: U224137 CCV File Name: U224133

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1204.776 pg	60 Percent		11/20/10 01:37:00		
13C-1,2,3,7,8-PeCDD	964.303 pg	48 Percent		11/20/10 01:37:00		
13C-1,2,3,4,7,8-HxCDD	1122.025 pg	56 Percent		11/20/10 01:37:00		
13C-1,2,3,6,7,8-HxCDD	1059.797 pg	53 Percent		11/20/10 01:37:00		
13C-1,2,3,4,6,7,8-HpCDD	861.151 pg	43 Percent		11/20/10 01:37:00		
13C-OCDD	1167.224 pg	29 Percent		11/20/10 01:37:00		
13C-2,3,7,8-TCDF	954.286 pg	48 Percent		11/20/10 01:37:00		
13C-1,2,3,7,8-PeCDF	1038.212 pg	52 Percent		11/20/10 01:37:00		
13C-2,3,4,7,8-PeCDF	893.132 pg	45 Percent		11/20/10 01:37:00		
13C-1,2,3,4,7,8-HxCDF	943.063 pg	47 Percent		11/20/10 01:37:00		
13C-1,2,3,6,7,8-HxCDF	1114.923 pg	56 Percent		11/20/10 01:37:00		
13C-1,2,3,7,8,9-HxCDF	1157.364 pg	58 Percent		11/20/10 01:37:00		
13C-2,3,4,6,7,8-HxCDF	974.517 pg	49 Percent		11/20/10 01:37:00		
13C-1,2,3,4,6,7,8-HpCDF	1015.756 pg	51 Percent		11/20/10 01:37:00		
13C-1,2,3,4,7,8,9-HpCDF	887.296 pg	44 Percent		11/20/10 01:37:00		
37Cl-2,3,7,8-TCDD	516.132 pg	65 Percent		11/20/10 01:37:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	3.747 pg	0.361 ng/Kg	J	11/20/10 01:37:00	0.963	0.120	1	0.361	Y	Y
1,2,3,7,8-PeCDD	5.002 pg	0.482 ng/Kg	J	11/20/10 01:37:00	4.82	0.157	1	0.482	Y	Y
1,2,3,4,7,8-HxCDD	8.137 pg	0.784 ng/Kg	J	11/20/10 01:37:00	4.82	0.241	0.1	0.0784	Y	Y
1,2,3,6,7,8-HxCDD	28.178 pg	2.71 ng/Kg	J	11/20/10 01:37:00	4.82	0.321	0.1	0.271	Y	Y
1,2,3,7,8,9-HxCDD	28.055 pg	2.70 ng/Kg	J	11/20/10 01:37:00	4.82	0.261	0.1	0.270	Y	Y
1,2,3,4,6,7,8-HpCDD	1121.341 pg	108 ng/Kg	B	11/20/10 01:37:00	4.82	0.511	0.01	1.08	Y	Y
OCDD	49923.709 pg	4810 ng/Kg	BE	11/20/10 01:37:00	9.63	0.383	0.0003	1.44	Y	Y
2,3,7,8-TCDF	17.920 pg	1.73 ng/Kg	C	11/20/10 01:37:00	0.963	0.147	0.1	0.173	N	Y
1,2,3,7,8-PeCDF	5.202 pg	0.501 ng/Kg	J	11/20/10 01:37:00	4.82	0.120	0.03	0.0150	Y	Y
2,3,4,7,8-PeCDF	9.074 pg	0.874 ng/Kg	JK	11/20/10 01:37:00	4.82	0.129	0.3	0.262	Y	Y
1,2,3,4,7,8-HxCDF	18.093 pg	1.74 ng/Kg	JK	11/20/10 01:37:00	4.82	0.139	0.1	0.174	Y	Y
1,2,3,6,7,8-HxCDF	10.962 pg	1.06 ng/Kg	J	11/20/10 01:37:00	4.82	0.137	0.1	0.106	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 ng/Kg	U	11/20/10 01:37:00	4.82	0.153	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	8.102 pg	0.780 ng/Kg	JK	11/20/10 01:37:00	4.82	0.152	0.1	0.0780	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-008.R01 / SL0028 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 04/13/07 File Name: U224146 MB File Name: U224137 CCV File Name: U224133

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	117.760 pg	11.3 ng/Kg		11/20/10 01:37:00	4.82	0.142	0.01	0.113	Y	Y
1,2,3,4,7,8,9-HpCDF	9.301 pg	0.896 ng/Kg	J	11/20/10 01:37:00	4.82	0.219	0.01	0.00896	Y	Y
OCDF	426.920 pg	41.1 ng/Kg	B	11/20/10 01:37:00	9.63	0.239	0.0003	0.0123	Y	Y
Total Tetra-Dioxins	8.801 pg	0.848 ng/Kg	J	11/20/10 01:37:00	0.963	0.120			Y	Y
Total Penta-Dioxins	5.002 pg	0.482 ng/Kg	J	11/20/10 01:37:00	4.82	0.157			Y	Y
Total Hexa-Dioxins	313.181 pg	30.2 ng/Kg		11/20/10 01:37:00	4.82	0.241			Y	Y
Total Hepta-Dioxins	2857.148 pg	275 ng/Kg		11/20/10 01:37:00	4.82	0.511			Y	Y
Total Tetra-Furans	105.494 pg	10.2 ng/Kg		11/20/10 01:37:00	0.963	0.147			Y	Y
Total Penta-Furans	329.556 pg	31.7 ng/Kg		11/20/10 01:37:00	4.82	0.129			Y	Y
Total Hexa-Furans	153.983 pg	14.8 ng/Kg		11/20/10 01:37:00	4.82	0.139			Y	Y
Total Hepta-Furans	354.220 pg	34.1 ng/Kg		11/20/10 01:37:00	4.82	0.142			Y	Y
Total TEQ	4.92	4.92 ng/Kg		11/20/10 01:37:00				4.92	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-008.R02 / SL0028 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138421 MB File Name: U138410 CCV File Name: U138409

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD		Percent				
13C-1,2,3,7,8-PeCDD		Percent				
13C-1,2,3,4,7,8-HxCDD		Percent				
13C-1,2,3,6,7,8-HxCDD		Percent				
13C-1,2,3,4,6,7,8-HpCDD		Percent				
13C-OCDD		Percent				
13C-2,3,7,8-TCDF	1095.603 pg	55 Percent		11/21/10 19:17:00		
13C-1,2,3,7,8-PeCDF		Percent				
13C-2,3,4,7,8-PeCDF		Percent				
13C-1,2,3,4,7,8-HxCDF		Percent				
13C-1,2,3,6,7,8-HxCDF		Percent				
13C-1,2,3,7,8,9-HxCDF		Percent				
13C-2,3,4,6,7,8-HxCDF		Percent				
13C-1,2,3,4,6,7,8-HpCDF		Percent				
13C-1,2,3,4,7,8,9-HpCDF		Percent				
37Cl-2,3,7,8-TCDD	557.282 pg	70 Percent		11/21/10 19:17:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL		Picked?	RptList?
2,3,7,8-TCDD		ng/Kg					1	N	Y
1,2,3,7,8-PeCDD		ng/Kg					1	N	Y
1,2,3,4,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDD		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDD		ng/Kg					0.1	N	Y
1,2,3,4,6,7,8-HpCDD		ng/Kg					0.01	N	Y
OCDD		ng/Kg					0.0003	N	Y
2,3,7,8-TCDF	12.342 pg	1.19 ng/Kg		11/21/10 19:17:00	0.963	0.215	0.1	Y	Y
1,2,3,7,8-PeCDF		ng/Kg					0.03	N	Y
2,3,4,7,8-PeCDF		ng/Kg					0.3	N	Y
1,2,3,4,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,6,7,8-HxCDF		ng/Kg					0.1	N	Y
1,2,3,7,8,9-HxCDF		ng/Kg					0.1	N	Y
2,3,4,6,7,8-HxCDF		ng/Kg					0.1	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-008.R02 / SL0028 / Soil / Dry / Tier IV / MDL=Y Prep 123,876 Spiking Solutions **Rpt. List: 3818** **Spec: 1233 ver. 7**

Calibration ID: 12/17/07 File Name: U138421 MB File Name: U138410 CCV File Name: U138409

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL	Picked?	RptList?
1,2,3,4,6,7,8-HpCDF		ng/Kg				0.01	N	Y
1,2,3,4,7,8,9-HpCDF		ng/Kg				0.01	N	Y
OCDF		ng/Kg				0.0003	N	Y
Total Tetra-Dioxins		ng/Kg					N	Y
Total Penta-Dioxins		ng/Kg					N	Y
Total Hexa-Dioxins		ng/Kg					N	Y
Total Hepta-Dioxins		ng/Kg					N	Y
Total Tetra-Furans		ng/Kg					N	Y
Total Penta-Furans		ng/Kg					N	Y
Total Hexa-Furans		ng/Kg					N	Y
Total Hepta-Furans		ng/Kg					N	Y
Total TEQ	4.92	4.92 ng/Kg		11/21/10 19:17:00		4.92	N	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-009 / FW0001 / Wipes / NA / Tier IV / MDL=Y Prep 123,877 Spiking Solutions **Rpt. List: 3818** **Spec: 25797 ver. 2**

Calibration ID: 07/29/09 File Name: P111579 MB File Name: P111585 CCV File Name: P111577

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1239.167 pg	62 Percent		11/19/10 14:05:00		
13C-1,2,3,7,8-PeCDD	1252.808 pg	63 Percent		11/19/10 14:05:00		
13C-1,2,3,4,7,8-HxCDD	1244.686 pg	62 Percent		11/19/10 14:05:00		
13C-1,2,3,6,7,8-HxCDD	1444.299 pg	72 Percent		11/19/10 14:05:00		
13C-1,2,3,4,6,7,8-HpCDD	1150.503 pg	58 Percent		11/19/10 14:05:00		
13C-OCDD	1986.428 pg	50 Percent		11/19/10 14:05:00		
13C-2,3,7,8-TCDF	1192.633 pg	60 Percent		11/19/10 14:05:00		
13C-1,2,3,7,8-PeCDF	1325.031 pg	66 Percent		11/19/10 14:05:00		
13C-2,3,4,7,8-PeCDF	1216.958 pg	61 Percent		11/19/10 14:05:00		
13C-1,2,3,4,7,8-HxCDF	1032.350 pg	52 Percent		11/19/10 14:05:00		
13C-1,2,3,6,7,8-HxCDF	1382.342 pg	69 Percent		11/19/10 14:05:00		
13C-1,2,3,7,8,9-HxCDF	1250.266 pg	63 Percent		11/19/10 14:05:00		
13C-2,3,4,6,7,8-HxCDF	1131.032 pg	57 Percent		11/19/10 14:05:00		
13C-1,2,3,4,6,7,8-HpCDF	1219.787 pg	61 Percent		11/19/10 14:05:00		
13C-1,2,3,4,7,8,9-HpCDF	1233.935 pg	62 Percent		11/19/10 14:05:00		
37Cl-2,3,7,8-TCDD	574.796 pg	72 Percent		11/19/10 14:05:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	0 pg	0 pg	U	11/19/10 14:05:00	10.0	2.65	1	0	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 pg	U	11/19/10 14:05:00	50.0	2.42	1	0	Y	Y
1,2,3,4,7,8-HxCDD	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.75	0.1	0	Y	Y
1,2,3,6,7,8-HxCDD	0 pg	0 pg	U	11/19/10 14:05:00	50.0	2.24	0.1	0	Y	Y
1,2,3,7,8,9-HxCDD	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.89	0.1	0	Y	Y
1,2,3,4,6,7,8-HpCDD	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.92	0.01	0	Y	Y
OCDD	0 pg	0 pg	U	11/19/10 14:05:00	100	3.13	0.0003	0	Y	Y
2,3,7,8-TCDF	0 pg	0 pg	U	11/19/10 14:05:00	10.0	2.60	0.1	0	Y	Y
1,2,3,7,8-PeCDF	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.93	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.99	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.39	0.1	0	Y	Y
1,2,3,6,7,8-HxCDF	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.31	0.1	0	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.75	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.53	0.1	0	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-009 / FW0001 / Wipes / NA / Tier IV / MDL=Y Prep 123,877 Spiking Solutions **Rpt. List: 3818** **Spec: 25797 ver. 2**

Calibration ID: 07/29/09 File Name: P111579 MB File Name: P111585 CCV File Name: P111577

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.62	0.01	0	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 pg	U	11/19/10 14:05:00	50.0	2.23	0.01	0	Y	Y
OCDF	0 pg	0 pg	U	11/19/10 14:05:00	100	2.93	0.0003	0	Y	Y
Total Tetra-Dioxins	0 pg	0 pg	U	11/19/10 14:05:00	10.0	2.65			Y	Y
Total Penta-Dioxins	0 pg	0 pg	U	11/19/10 14:05:00	50.0	2.42			Y	Y
Total Hexa-Dioxins	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.75			Y	Y
Total Hepta-Dioxins	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.92			Y	Y
Total Tetra-Furans	0 pg	0 pg	U	11/19/10 14:05:00	10.0	2.60			Y	Y
Total Penta-Furans	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.99			Y	Y
Total Hexa-Furans	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.39			Y	Y
Total Hepta-Furans	0 pg	0 pg	U	11/19/10 14:05:00	50.0	1.62			Y	Y
Total TEQ	0.00	0.00 pg		11/19/10 14:05:00				0.00	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-010 / FW0002 / Wipes / NA / Tier IV / MDL=Y Prep 123,877 Spiking Solutions **Rpt. List: 3818** **Spec: 25797 ver. 2**

Calibration ID: 07/29/09 File Name: P111580 MB File Name: P111585 CCV File Name: P111577

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1235.154 pg	62 Percent		11/19/10 14:53:00		
13C-1,2,3,7,8-PeCDD	1293.120 pg	65 Percent		11/19/10 14:53:00		
13C-1,2,3,4,7,8-HxCDD	1258.267 pg	63 Percent		11/19/10 14:53:00		
13C-1,2,3,6,7,8-HxCDD	1296.278 pg	65 Percent		11/19/10 14:53:00		
13C-1,2,3,4,6,7,8-HpCDD	1157.498 pg	58 Percent		11/19/10 14:53:00		
13C-OCDD	2194.224 pg	55 Percent		11/19/10 14:53:00		
13C-2,3,7,8-TCDF	1187.067 pg	59 Percent		11/19/10 14:53:00		
13C-1,2,3,7,8-PeCDF	1388.821 pg	69 Percent		11/19/10 14:53:00		
13C-2,3,4,7,8-PeCDF	1245.399 pg	62 Percent		11/19/10 14:53:00		
13C-1,2,3,4,7,8-HxCDF	1004.149 pg	50 Percent		11/19/10 14:53:00		
13C-1,2,3,6,7,8-HxCDF	1246.137 pg	62 Percent		11/19/10 14:53:00		
13C-1,2,3,7,8,9-HxCDF	1321.946 pg	66 Percent		11/19/10 14:53:00		
13C-2,3,4,6,7,8-HxCDF	1075.329 pg	54 Percent		11/19/10 14:53:00		
13C-1,2,3,4,6,7,8-HpCDF	1168.864 pg	58 Percent		11/19/10 14:53:00		
13C-1,2,3,4,7,8,9-HpCDF	1331.971 pg	67 Percent		11/19/10 14:53:00		
37Cl-2,3,7,8-TCDD	563.587 pg	70 Percent		11/19/10 14:53:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	0 pg	0 pg	U	11/19/10 14:53:00	10.0	2.51	1	0	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 pg	U	11/19/10 14:53:00	50.0	2.21	1	0	Y	Y
1,2,3,4,7,8-HxCDD	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.42	0.1	0	Y	Y
1,2,3,6,7,8-HxCDD	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.97	0.1	0	Y	Y
1,2,3,7,8,9-HxCDD	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.60	0.1	0	Y	Y
1,2,3,4,6,7,8-HpCDD	0 pg	0 pg	U	11/19/10 14:53:00	50.0	2.04	0.01	0	Y	Y
OCDD	4.310 pg	4.31 pg	JK	11/19/10 14:53:00	100	1.98	0.0003	0.00129	Y	Y
2,3,7,8-TCDF	0 pg	0 pg	U	11/19/10 14:53:00	10.0	2.72	0.1	0	Y	Y
1,2,3,7,8-PeCDF	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.35	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.44	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.03	0.1	0	Y	Y
1,2,3,6,7,8-HxCDF	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.01	0.1	0	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.20	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.19	0.1	0	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-010 / FW0002 / Wipes / NA / Tier IV / MDL=Y Prep 123,877 Spiking Solutions **Rpt. List: 3818** **Spec: 25797 ver. 2**

Calibration ID: 07/29/09 File Name: P111580 MB File Name: P111585 CCV File Name: P111577

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.34	0.01	0	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.64	0.01	0	Y	Y
OCDF	0 pg	0 pg	U	11/19/10 14:53:00	100	2.23	0.0003	0	Y	Y
Total Tetra-Dioxins	0 pg	0 pg	U	11/19/10 14:53:00	10.0	2.51			Y	Y
Total Penta-Dioxins	0 pg	0 pg	U	11/19/10 14:53:00	50.0	2.21			Y	Y
Total Hexa-Dioxins	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.42			Y	Y
Total Hepta-Dioxins	0 pg	0 pg	U	11/19/10 14:53:00	50.0	2.04			Y	Y
Total Tetra-Furans	0 pg	0 pg	U	11/19/10 14:53:00	10.0	2.72			Y	Y
Total Penta-Furans	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.44			Y	Y
Total Hexa-Furans	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.03			Y	Y
Total Hepta-Furans	0 pg	0 pg	U	11/19/10 14:53:00	50.0	1.34			Y	Y
Total TEQ	0.00129	0.00129 pg		11/19/10 14:53:00				0.00129	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

1613B / Dioxins Furans

E1001240-011 / FW0003 / Wipes / NA / Tier IV / MDL=Y Prep 123,877 Spiking Solutions **Rpt. List: 3818** **Spec: 25797 ver. 2**

Calibration ID: 07/29/09 File Name: P111581 MB File Name: P111585 CCV File Name: P111577

Surrogates	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Picked?	RptList?
13C-2,3,7,8-TCDD	1169.353 pg	58 Percent		11/19/10 15:41:00		
13C-1,2,3,7,8-PeCDD	1226.784 pg	61 Percent		11/19/10 15:41:00		
13C-1,2,3,4,7,8-HxCDD	1117.202 pg	56 Percent		11/19/10 15:41:00		
13C-1,2,3,6,7,8-HxCDD	1245.198 pg	62 Percent		11/19/10 15:41:00		
13C-1,2,3,4,6,7,8-HpCDD	1074.700 pg	54 Percent		11/19/10 15:41:00		
13C-OCDD	2049.476 pg	51 Percent		11/19/10 15:41:00		
13C-2,3,7,8-TCDF	1110.047 pg	56 Percent		11/19/10 15:41:00		
13C-1,2,3,7,8-PeCDF	1257.696 pg	63 Percent		11/19/10 15:41:00		
13C-2,3,4,7,8-PeCDF	1206.129 pg	60 Percent		11/19/10 15:41:00		
13C-1,2,3,4,7,8-HxCDF	906.846 pg	45 Percent		11/19/10 15:41:00		
13C-1,2,3,6,7,8-HxCDF	1205.922 pg	60 Percent		11/19/10 15:41:00		
13C-1,2,3,7,8,9-HxCDF	1216.037 pg	61 Percent		11/19/10 15:41:00		
13C-2,3,4,6,7,8-HxCDF	1011.958 pg	51 Percent		11/19/10 15:41:00		
13C-1,2,3,4,6,7,8-HpCDF	1094.545 pg	55 Percent		11/19/10 15:41:00		
13C-1,2,3,4,7,8,9-HpCDF	1251.438 pg	63 Percent		11/19/10 15:41:00		
37Cl-2,3,7,8-TCDD	536.705 pg	67 Percent		11/19/10 15:41:00		

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
2,3,7,8-TCDD	0 pg	0 pg	U	11/19/10 15:41:00	10.0	2.16	1	0	Y	Y
1,2,3,7,8-PeCDD	0 pg	0 pg	U	11/19/10 15:41:00	50.0	3.12	1	0	Y	Y
1,2,3,4,7,8-HxCDD	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.32	0.1	0	Y	Y
1,2,3,6,7,8-HxCDD	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.75	0.1	0	Y	Y
1,2,3,7,8,9-HxCDD	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.45	0.1	0	Y	Y
1,2,3,4,6,7,8-HpCDD	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.90	0.01	0	Y	Y
OCDD	0 pg	0 pg	U	11/19/10 15:41:00	100	2.87	0.0003	0	Y	Y
2,3,7,8-TCDF	0 pg	0 pg	U	11/19/10 15:41:00	10.0	2.88	0.1	0	Y	Y
1,2,3,7,8-PeCDF	0 pg	0 pg	U	11/19/10 15:41:00	50.0	2.03	0.03	0	Y	Y
2,3,4,7,8-PeCDF	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.98	0.3	0	Y	Y
1,2,3,4,7,8-HxCDF	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.20	0.1	0	Y	Y
1,2,3,6,7,8-HxCDF	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.14	0.1	0	Y	Y
1,2,3,7,8,9-HxCDF	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.37	0.1	0	Y	Y
2,3,4,6,7,8-HxCDF	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.31	0.1	0	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Analytical Results Summary

HOUSTON

Semivoa GCMS

E1001240

1613B / Dioxins Furans

E1001240-011 / FW0003 / Wipes / NA / Tier IV / MDL=Y Prep 123,877 Spiking Solutions **Rpt. List: 3818** **Spec: 25797 ver. 2**

Calibration ID: 07/29/09 File Name: P111581 MB File Name: P111585 CCV File Name: P111577

Target Analytes	Raw Result	Final Result	Qualifiers	Analysis Date/Time	Adj. MRL	Adj. MDL			Picked?	RptList?
1,2,3,4,6,7,8-HpCDF	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.38	0.01	0	Y	Y
1,2,3,4,7,8,9-HpCDF	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.65	0.01	0	Y	Y
OCDF	0 pg	0 pg	U	11/19/10 15:41:00	100	2.21	0.0003	0	Y	Y
Total Tetra-Dioxins	0 pg	0 pg	U	11/19/10 15:41:00	10.0	2.16			Y	Y
Total Penta-Dioxins	0 pg	0 pg	U	11/19/10 15:41:00	50.0	3.12			Y	Y
Total Hexa-Dioxins	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.32			Y	Y
Total Hepta-Dioxins	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.90			Y	Y
Total Tetra-Furans	0 pg	0 pg	U	11/19/10 15:41:00	10.0	2.88			Y	Y
Total Penta-Furans	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.98			Y	Y
Total Hexa-Furans	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.20			Y	Y
Total Hepta-Furans	0 pg	0 pg	U	11/19/10 15:41:00	50.0	1.38			Y	Y
Total TEQ	0.00	0.00 pg		11/19/10 15:41:00				0.00	Y	Y

# indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/10
Sample Matrix:	Sediment	**Date Received:**	11/17/10
Prep Method:	Method	**Units:**	mg/Kg
Analysis Method:	9012A	**Basis:**	Dry

Cyanide, Total

Sample Name	Lab Code	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Note
SL0001	K1012914-001	ND	U	0.22	1	11/22/10	11/23/10 10:30	
SL0002	K1012914-002	ND	U	0.21	1	11/22/10	11/23/10 10:30	
SL0009	K1012914-009	ND	U	0.19	1	11/22/10	11/23/10 10:30	
SL0010	K1012914-010	ND	U	0.20	1	11/22/10	11/23/10 10:30	
SL0017	K1012914-016	ND	U	0.22	1	11/22/10	11/23/10 10:30	
SL0018	K1012914-017	**0.50**		0.21	1	11/22/10	11/23/10 10:30	
SL0019	K1012914-018	**7.7**		1.0	5	11/24/10	11/24/10 14:30	
SL0020	K1012914-019	**0.19**		0.18	1	11/22/10	11/23/10 10:30	
Method Blank	K1012914-MB1	ND	U	0.19	1	11/22/10	11/23/10 10:30	
Method Blank	K1012914-MB2	ND	U	0.20	1	11/24/10	11/24/10 14:30	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/10
Sample Matrix:	Sediment	**Date Received:**	11/17/10
		Date Analyzed:	11/23/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	SL0001	**Units:**	mg/Kg
Lab Code:	K1012914-001	**Basis:**	Dry

Analyte Name	Method	MRL	Sample Result	SL0001DUP Duplicate Sample K1012914-001DUP2 Result	Average	RPD	RPD Limit
Cyanide, Total	9012A	0.23	ND U	ND U	NC	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/10
Date Received: 11/17/10
Date Analyzed: 11/24/10

Replicate Sample Summary
General Chemistry Parameters

Sample Name: SL0019
Lab Code: K1012914-018

Units: mg/Kg
Basis: Dry

Analyte Name	Method	MRL	Sample Result	SL0019DUP Duplicate Sample K1012914-018DUP4 Result	Average	RPD	RPD Limit
Cyanide, Total	9012A	1.1	7.7	8.8	8.25	13	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/10
Date Received: 11/17/10
Date Analyzed: 11/23/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SL0001
Lab Code: K1012914-001

Units: mg/Kg
Basis: Dry

Analytical Method: 9012A
Prep Method: Method

		SL0001MS Matrix Spike K1012914-001MS2				SL0001DMS Duplicate Matrix Spike K1012914-D001MS2					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**		**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Cyanide, Total	ND	2.28	2.32	98		2.18	2.23	98	10 - 165	5	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/10
Date Received: 11/17/10
Date Analyzed: 11/24/10

Matrix Spike Summary
General Chemistry Parameters

Sample Name: SL0019
Lab Code: K1012914-018

Units: mg/Kg
Basis: Dry

Analytical Method: 9012A
Prep Method: Method

		SL0019MS Matrix Spike K1012914-018MS4				SL0019DMS Duplicate Matrix Spike K1012914-D018MS4					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**		**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Cyanide, Total	7.7	9.98	2.3	101		10.7	2.2	134	10 - 165	7	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Analyzed: 11/23/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/Kg
Basis: Dry

		Lab Control Sample K1012914-LCS1			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Cyanide, Total	9012A	35.0	33.3	105	78 - 110

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Analyzed: 11/24/10

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/Kg
Basis: Dry

		Lab Control Sample K1012914-LCS2			
Analyte Name	**Method**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**
Cyanide, Total	9012A	35.3	33.3	106	78 - 110

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Continuing Calibration Verification (CCV) Summary
Cyanide, Total

Analytical Method: 9012A

Units: µg/L

	Analysis Lot	Lab Code	Date Analyzed	True Value	Measured Value	Percent Recovery	Acceptance Limits
CCV1	226767	KQ1013004-06	11/23/10 10:30	100	101	101	90 - 110
CCV2	226767	KQ1013004-07	11/23/10 10:30	100	102	102	90 - 110
CCV3	226767	KQ1013004-08	11/23/10 10:30	100	101	101	90 - 110
CCV4	226767	KQ1013004-09	11/23/10 10:30	100	102	102	90 - 110
CCV5	226767	KQ1013004-10	11/23/10 10:30	100	102	102	90 - 110
CCV6	226767	KQ1013004-15	11/23/10 10:30	100	101	101	90 - 110
CCV7	226767	KQ1013004-16	11/23/10 10:30	100	101	101	90 - 110
CCV8	226767	KQ1013004-17	11/23/10 10:30	100	99.3	99	90 - 110
CCV9	226767	KQ1013004-18	11/23/10 10:30	100	101	101	90 - 110
CCV10	226821	KQ1013020-05	11/24/10 14:30	100	101	101	90 - 110
CCV11	226821	KQ1013020-06	11/24/10 14:30	100	101	101	90 - 110
CCV12	226821	KQ1013020-07	11/24/10 14:30	100	99.3	99	90 - 110
CCV13	226821	KQ1013020-08	11/24/10 14:30	100	101	101	90 - 110

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01

Service Request: K1012914

Continuing Calibration Blank (CCB) Summary
Cyanide, Total

Analytical Method: 9012A

Units: mg/Kg

	Analysis Lot	Lab Code	Date Analyzed	MRL	Result	Q
CCB1	226767	KQ1013004-01	11/23/10 10:30	0.20	ND	U
CCB2	226767	KQ1013004-02	11/23/10 10:30	0.20	ND	U
CCB3	226767	KQ1013004-03	11/23/10 10:30	0.20	ND	U
CCB4	226767	KQ1013004-04	11/23/10 10:30	0.20	ND	U
CCB5	226767	KQ1013004-05	11/23/10 10:30	0.20	ND	U
CCB6	226767	KQ1013004-11	11/23/10 10:30	0.20	ND	U
CCB7	226767	KQ1013004-12	11/23/10 10:30	0.20	ND	U
CCB8	226767	KQ1013004-13	11/23/10 10:30	0.20	ND	U
CCB9	226767	KQ1013004-14	11/23/10 10:30	0.20	ND	U
CCB10	226821	KQ1013020-01	11/24/10 14:30	0.20	ND	U
CCB11	226821	KQ1013020-02	11/24/10 14:30	0.20	ND	U
CCB12	226821	KQ1013020-03	11/24/10 14:30	0.20	ND	U
CCB13	226821	KQ1013020-04	11/24/10 14:30	0.20	ND	U

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: **SL0001** **Lab Code:** **K1012914-001**

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.5	2.0	11/20/10	11/23/10	3.5	U	
Arsenic	6020	0.59	0.06	5.0	11/20/10	11/22/10	0.92		
Beryllium	6010B	1.18	0.01	2.0	11/20/10	11/23/10	0.20	J	
Cadmium	6020	0.023	0.005	5.0	11/20/10	11/22/10	0.029		
Chromium	6020	0.23	0.02	5.0	11/20/10	11/22/10	2.28		
Copper	6010B	2.4	0.7	2.0	11/20/10	11/23/10	2.7		
Lead	6010B	23.6	3.5	2.0	11/20/10	11/23/10	4.7	J	
Mercury	7471A	0.016	0.002	1.0	11/18/10	11/20/10	0.005	J	
Nickel	6010B	4.7	0.6	2.0	11/20/10	11/23/10	2.0	J	
Selenium	6010B	23.6	4.7	2.0	11/20/10	11/23/10	4.7	U	
Silver	6010B	2.4	0.5	2.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	23.6	3.5	2.0	11/20/10	11/23/10	3.5	U	
Zinc	6010B	2.4	0.4	2.0	11/20/10	11/23/10	24.1		

% Solids: **83.8**

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: **SL0002** **Lab Code:** **K1012914-002**

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	11	3.3	2.0	11/20/10	11/23/10	3.3	U	
Arsenic	6020	0.56	0.06	5.0	11/20/10	11/22/10	0.92		
Beryllium	6010B	1.11	0.01	2.0	11/20/10	11/23/10	0.15	J	
Cadmium	6020	0.022	0.004	5.0	11/20/10	11/22/10	0.040		
Chromium	6020	0.23	0.02	5.0	11/20/10	11/22/10	2.91		
Copper	6010B	2.2	0.7	2.0	11/20/10	11/23/10	1.6	J	
Lead	6010B	22.2	3.3	2.0	11/20/10	11/23/10	3.3	U	
Mercury	7471A	0.012	0.001	1.0	11/18/10	11/20/10	0.006	J	
Nickel	6010B	4.5	0.6	2.0	11/20/10	11/23/10	1.8	J	
Selenium	6010B	22.2	4.5	2.0	11/20/10	11/23/10	4.5	U	
Silver	6010B	2.2	0.4	2.0	11/20/10	11/23/10	0.5	J	
Thallium	6010B	22.2	3.3	2.0	11/20/10	11/23/10	4.7	J	
Zinc	6010B	2.2	0.3	2.0	11/20/10	11/23/10	12.6		

% Solids: **88.2**

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: **SL0009** **Lab Code:** **K1012914-009**

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.5	2.0	11/20/10	11/23/10	3.5	U	
Arsenic	6020	0.58	0.06	5.0	11/20/10	11/22/10	1.95		
Beryllium	6010B	1.17	0.01	2.0	11/20/10	11/23/10	0.17	J	
Cadmium	6020	0.023	0.005	5.0	11/20/10	11/22/10	0.045		
Chromium	6020	0.23	0.02	5.0	11/20/10	11/22/10	3.57		
Copper	6010B	2.3	0.7	2.0	11/20/10	11/23/10	2.9		
Lead	6010B	23.4	3.5	2.0	11/20/10	11/23/10	3.5	U	
Mercury	7471A	0.017	0.002	1.0	11/18/10	11/20/10	0.011	J	
Nickel	6010B	4.7	0.6	2.0	11/20/10	11/23/10	3.3	J	
Selenium	6010B	23.4	4.7	2.0	11/20/10	11/23/10	4.7	U	
Silver	6010B	2.3	0.5	2.0	11/20/10	11/23/10	0.6	J	
Thallium	6010B	23.4	3.5	2.0	11/20/10	11/23/10	3.5	U	
Zinc	6010B	2.3	0.4	2.0	11/20/10	11/23/10	28.4		

% Solids: **85.4**

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: **SL0010** **Lab Code:** **K1012914-010**

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	11	3.4	2.0	11/20/10	11/23/10	3.4	U	
Arsenic	6020	0.56	0.06	5.0	11/20/10	11/22/10	1.35		
Beryllium	6010B	1.12	0.01	2.0	11/20/10	11/23/10	0.10	J	
Cadmium	6020	0.022	0.004	5.0	11/20/10	11/22/10	0.027		
Chromium	6020	0.22	0.02	5.0	11/20/10	11/22/10	2.15		
Copper	6010B	2.2	0.7	2.0	11/20/10	11/23/10	1.4	J	
Lead	6010B	22.3	3.4	2.0	11/20/10	11/23/10	4.2	J	
Mercury	7471A	0.014	0.001	1.0	11/18/10	11/20/10	0.006	J	
Nickel	6010B	4.5	0.6	2.0	11/20/10	11/23/10	2.0	J	
Selenium	6010B	22.3	4.5	2.0	11/20/10	11/23/10	4.5	U	
Silver	6010B	2.2	0.4	2.0	11/20/10	11/23/10	0.7	J	
Thallium	6010B	22.3	3.4	2.0	11/20/10	11/23/10	3.4	U	
Zinc	6010B	2.2	0.3	2.0	11/20/10	11/23/10	8.7		

% Solids: **88.7**

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: **SL0017** **Lab Code:** **K1012914-016**

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.6	2.0	11/20/10	11/23/10	5.0	J	
Arsenic	6020	0.61	0.06	5.0	11/20/10	11/22/10	2.39		
Beryllium	6010B	1.20	0.01	2.0	11/20/10	11/23/10	0.40	J	
Cadmium	6020	0.024	0.005	5.0	11/20/10	11/22/10	0.139		
Chromium	6020	0.24	0.02	5.0	11/20/10	11/22/10	9.76		
Copper	6010B	2.4	0.7	2.0	11/20/10	11/23/10	10.9		
Lead	6010B	24.0	3.6	2.0	11/20/10	11/23/10	18.2	J	
Mercury	7471A	0.015	0.002	1.0	11/18/10	11/20/10	0.295		
Nickel	6010B	4.8	0.6	2.0	11/20/10	11/23/10	5.8		
Selenium	6010B	24.0	4.8	2.0	11/20/10	11/23/10	4.8	U	
Silver	6010B	2.4	0.5	2.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	24.0	3.6	2.0	11/20/10	11/23/10	13.8	J	
Zinc	6010B	2.4	0.4	2.0	11/20/10	11/23/10	68.0		

% Solids: **82.6**

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: **SL0018** **Lab Code:** **K1012914-017**

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.6	2.0	11/20/10	11/23/10	3.9	J	
Arsenic	6020	0.60	0.06	5.0	11/20/10	11/22/10	2.54		
Beryllium	6010B	1.21	0.01	2.0	11/20/10	11/23/10	0.36	J	
Cadmium	6020	0.024	0.005	5.0	11/20/10	11/22/10	0.143		
Chromium	6020	0.24	0.02	5.0	11/20/10	11/22/10	7.99		
Copper	6010B	2.4	0.7	2.0	11/20/10	11/23/10	9.8		
Lead	6010B	24.1	3.6	2.0	11/20/10	11/23/10	28.7		
Mercury	7471A	0.015	0.001	1.0	11/18/10	11/20/10	0.031		
Nickel	6010B	4.8	0.6	2.0	11/20/10	11/23/10	6.8		
Selenium	6010B	24.1	4.8	2.0	11/20/10	11/23/10	4.8	U	
Silver	6010B	2.4	0.5	2.0	11/20/10	11/23/10	0.5	J	
Thallium	6010B	24.1	3.6	2.0	11/20/10	11/23/10	7.2	J	
Zinc	6010B	2.4	0.4	2.0	11/20/10	11/23/10	75.4		

% Solids: **82.0**

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: **SL0019** **Lab Code:** **K1012914-018**

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.6	2.0	11/20/10	11/23/10	5.4	J	
Arsenic	6020	0.59	0.06	5.0	11/20/10	11/22/10	2.49		
Beryllium	6010B	1.18	0.01	2.0	11/20/10	11/23/10	0.40	J	
Cadmium	6020	0.024	0.005	5.0	11/20/10	11/22/10	0.196		
Chromium	6020	0.24	0.02	5.0	11/20/10	11/22/10	9.30		
Copper	6010B	2.4	0.7	2.0	11/20/10	11/23/10	8.2		
Lead	6010B	23.7	3.6	2.0	11/20/10	11/23/10	60.6		
Mercury	7471A	0.017	0.002	1.0	11/18/10	11/20/10	0.046		
Nickel	6010B	4.7	0.6	2.0	11/20/10	11/23/10	5.4		
Selenium	6010B	23.7	4.7	2.0	11/20/10	11/23/10	4.7	U	
Silver	6010B	2.4	0.5	2.0	11/20/10	11/23/10	0.9	J	
Thallium	6010B	23.7	3.6	2.0	11/20/10	11/23/10	5.7	J	
Zinc	6010B	2.4	0.4	2.0	11/20/10	11/23/10	66.3		

% Solids: **84.5**

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: **SL0020** **Lab Code:** **K1012914-019**

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	12	3.5	2.0	11/20/10	11/23/10	3.5	U	
Arsenic	6020	0.58	0.06	5.0	11/20/10	11/22/10	1.97		
Beryllium	6010B	1.18	0.01	2.0	11/20/10	11/23/10	0.39	J	
Cadmium	6020	0.023	0.005	5.0	11/20/10	11/22/10	0.143		
Chromium	6020	0.23	0.02	5.0	11/20/10	11/22/10	7.12		
Copper	6010B	2.4	0.7	2.0	11/20/10	11/23/10	6.1		
Lead	6010B	23.5	3.5	2.0	11/20/10	11/23/10	69.7		
Mercury	7471A	0.010	0.001	1.0	11/18/10	11/20/10	0.022		
Nickel	6010B	4.7	0.6	2.0	11/20/10	11/23/10	4.4	J	
Selenium	6010B	23.5	4.7	2.0	11/20/10	11/23/10	4.7	U	
Silver	6010B	2.4	0.5	2.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	23.5	3.5	2.0	11/20/10	11/23/10	5.4	J	
Zinc	6010B	2.4	0.4	2.0	11/20/10	11/23/10	66.3		

% Solids: **85.1**

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	
Project Name:	San Jacinto Waste Pits	**Date Received:**	
Matrix:	SEDIMENT	**Units:**	mg/Kg
		Basis:	DRY

Sample Name: **Method Blank** **Lab Code:** **K1012914-MB**

Analyte	Analysis Method	MRL	MDL	Dil. Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	10	3.0	2.0	11/20/10	11/23/10	3.0	U	
Arsenic	6020	0.50	0.05	5.0	11/20/10	11/22/10	0.05	U	
Beryllium	6010B	1.00	0.01	2.0	11/20/10	11/23/10	0.01	U	
Cadmium	6020	0.020	0.004	5.0	11/20/10	11/22/10	0.005	J	
Chromium	6020	0.20	0.02	5.0	11/20/10	11/22/10	0.08	J	
Copper	6010B	2.0	0.6	2.0	11/20/10	11/23/10	0.6	U	
Lead	6010B	20.0	3.0	2.0	11/20/10	11/23/10	3.0	U	
Mercury	7471A	0.020	0.002	1.0	11/18/10	11/20/10	0.002	U	
Nickel	6010B	4.0	0.5	2.0	11/20/10	11/23/10	0.5	U	
Selenium	6010B	20.0	4.0	2.0	11/20/10	11/23/10	4.0	U	
Silver	6010B	2.0	0.4	2.0	11/20/10	11/23/10	0.6	J	
Thallium	6010B	20.0	3.0	2.0	11/20/10	11/23/10	3.0	U	
Zinc	6010B	2.0	0.3	2.0	11/20/10	11/23/10	0.3	U	

% Solids: **100.0**

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/15/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	WIPES	**Units:**	ug
		Basis:	NA

Sample Name: **FW0001** **Lab Code:** **K1012914-029**

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Arsenic	6020	0.25	0.04	5.0	11/20/10	11/22/10	0.07	J	
Beryllium	6010B	0.50	0.01	1.0	11/20/10	11/23/10	0.01	J	
Cadmium	6020	0.010	0.002	5.0	11/20/10	11/22/10	0.003	J	
Chromium	6020	0.10	0.02	5.0	11/20/10	11/22/10	2.60		
Copper	6010B	1.0	0.2	1.0	11/20/10	11/23/10	1.6		
Lead	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Nickel	6010B	2.0	0.2	1.0	11/20/10	11/23/10	2.0	J	
Selenium	6010B	10	3	1.0	11/20/10	11/23/10	3	U	
Silver	6010B	1.0	0.5	1.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	10	2	1.0	11/20/10	11/23/10	48		
Zinc	6010B	1.0	0.1	1.0	11/20/10	11/23/10	66.9		

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/16/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	WIPES	**Units:**	ug
		Basis:	NA

Sample Name: **FW0002** **Lab Code:** **K1012914-030**

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Arsenic	6020	0.25	0.04	5.0	11/20/10	11/22/10	0.09	J	
Beryllium	6010B	0.50	0.01	1.0	11/20/10	11/23/10	0.01	J	
Cadmium	6020	0.010	0.002	5.0	11/20/10	11/22/10	0.012		
Chromium	6020	0.10	0.02	5.0	11/20/10	11/22/10	2.06		X
Copper	6010B	1.0	0.2	1.0	11/20/10	11/23/10	1.4		
Lead	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Nickel	6010B	2.0	0.2	1.0	11/20/10	11/23/10	1.2	J	
Selenium	6010B	10	3	1.0	11/20/10	11/23/10	3	U	
Silver	6010B	1.0	0.5	1.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	10	2	1.0	11/20/10	11/23/10	105		
Zinc	6010B	1.0	0.1	1.0	11/20/10	11/23/10	62.0		

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	11/16/10
Project Name:	San Jacinto Waste Pits	**Date Received:**	11/17/10
Matrix:	WIPES	**Units:**	ug
		Basis:	NA

Sample Name: **FW0003** **Lab Code:** **K1012914-031**

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Arsenic	6020	0.25	0.04	5.0	11/20/10	11/22/10	0.08	J	
Beryllium	6010B	0.50	0.01	1.0	11/20/10	11/23/10	0.01	U	
Cadmium	6020	0.010	0.002	5.0	11/20/10	11/22/10	0.002	J	
Chromium	6020	0.10	0.02	5.0	11/20/10	11/22/10	0.70		X
Copper	6010B	1.0	0.2	1.0	11/20/10	11/23/10	1.5		
Lead	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Nickel	6010B	2.0	0.2	1.0	11/20/10	11/23/10	0.2	U	
Selenium	6010B	10	3	1.0	11/20/10	11/23/10	3	U	
Silver	6010B	1.0	0.5	1.0	11/20/10	11/23/10	0.5	U	
Thallium	6010B	10	2	1.0	11/20/10	11/23/10	45		
Zinc	6010B	1.0	0.1	1.0	11/20/10	11/23/10	71.4		

Comments:

Metals

INORGANIC ANALYSIS DATA PACKAGE

Client:	Integral Consulting, Incorporate	**Service Request:**	K1012914
Project No.:	090557-01.01	**Date Collected:**	
Project Name:	San Jacinto Waste Pits	**Date Received:**	
Matrix:	WIPES	**Units:**	ug
		Basis:	NA

Sample Name: **Method Blank** **Lab Code:** **K1012914-MB**

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Arsenic	6020	0.25	0.04	5.0	11/20/10	11/22/10	0.04	U	
Beryllium	6010B	0.50	0.01	1.0	11/20/10	11/23/10	0.01	U	
Cadmium	6020	0.010	0.002	5.0	11/20/10	11/22/10	0.002	J	
Chromium	6020	0.10	0.02	5.0	11/20/10	11/22/10	0.13		
Copper	6010B	1.0	0.2	1.0	11/20/10	11/23/10	0.2	U	
Lead	6010B	5.0	2.0	1.0	11/20/10	11/23/10	2.0	U	
Nickel	6010B	2.0	0.2	1.0	11/20/10	11/23/10	0.2	U	
Selenium	6010B	10	3	1.0	11/20/10	11/23/10	3	U	
Silver	6010B	1.0	0.5	1.0	11/20/10	11/23/10	0.7	J	
Thallium	6010B	10	2	1.0	11/20/10	11/23/10	2	U	
Zinc	6010B	1.0	0.1	1.0	11/20/10	11/23/10	0.3	J	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0001	**Units:**	mg/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	91	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0002	**Units:**	mg/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	92	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0009	**Units:**	mg/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.059	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0010	**Units:**	mg/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.056	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	88	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0017	**Units:**	mg/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.060	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0018	**Units:**	mg/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1221	ND	U	0.13	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1232	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1242	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1248	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1254	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1260	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1262	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1268	ND	U	0.061	0.019	1	11/22/10	11/25/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	78	35-133	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0019	**Units:**	mg/Kg
Lab Code:	K1012914-018	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1232	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1242	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1248	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1254	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1260	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1262	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1268	ND	U	0.060	0.019	1	11/22/10	11/25/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	59	35-133	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Polychlorinated Biphenyls (PCBs)

Sample Name:	SL0020	**Units:**	mg/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1221	ND	U	0.12	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1232	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1242	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1248	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1254	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1260	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1262	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	
Aroclor 1268	ND	U	0.058	0.019	1	11/22/10	11/25/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	35-133	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Polychlorinated Biphenyls(PCBs)

Sample Name:	FW0001	**Units:**	ug/WIPE
Lab Code:	K1012914-029	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	70-130	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Polychlorinated Biphenyls(PCBs)

Sample Name:	FW0002	**Units:**	ug/WIPE
Lab Code:	K1012914-030	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	70-130	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Polychlorinated Biphenyls(PCBs)

Sample Name:	FW0003	**Units:**	ug/WIPE
Lab Code:	K1012914-031	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	90	70-130	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	KWG1012934-4	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1221	ND	U	0.099	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1232	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1242	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1248	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1254	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1260	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1262	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	
Aroclor 1268	ND	U	0.050	0.019	1	11/22/10	11/24/10	KWG1012934	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	85	35-133	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Polychlorinated Biphenyls(PCBs)

Sample Name:	Method Blank	**Units:**	ug/WIPE
Lab Code:	KWG1012936-1	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1221	ND	U	1.0	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1232	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1242	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1248	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1254	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1260	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1262	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	
Aroclor 1268	ND	U	0.50	0.14	1	11/22/10	11/24/10	KWG1012936	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	89	70-130	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	U	3.0	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	150	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	60	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	81	21-112	11/25/10	Acceptable
Decachlorobiphenyl	83	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.8	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	2.8	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	2.8	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	2.8	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	2.8	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.8	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	2.8	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	2.8	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	2.8	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	2.8	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	2.8	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	2.8	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.8	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**0.87**	JP	2.8	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	140	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	56	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	21-112	11/25/10	Acceptable
Decachlorobiphenyl	78	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	U	3.0	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	Ui	150	44	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	59	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	21-112	11/25/10	Acceptable
Decachlorobiphenyl	73	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.8	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	2.8	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	2.8	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	2.8	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	2.8	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.8	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	2.8	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	**0.51**	J	2.8	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	2.8	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	2.8	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	2.8	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	2.8	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	2.8	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.8	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**1.6**	JP	2.8	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	140	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	56	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	78	21-112	11/25/10	Acceptable
Decachlorobiphenyl	77	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	Ui	3.0	3.0	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	Ui	150	49	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	60	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	84	21-112	11/25/10	Acceptable
Decachlorobiphenyl	75	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.1	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.1	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.1	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.1	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.1	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.1	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.1	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.1	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.1	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.1	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.1	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.1	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.1	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.1	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.1	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**1.0**	JP	3.1	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	160	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	61	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	21-112	11/25/10	Acceptable
Decachlorobiphenyl	63	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0019	**Units:**	ug/Kg
Lab Code:	K1012914-018	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	3.0	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	3.0	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	3.0	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	3.0	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	3.0	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	3.0	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	3.0	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	3.0	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	3.0	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	3.0	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	3.0	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	3.0	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	3.0	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	3.0	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	**0.94**	JP	3.0	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	Ui	150	69	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	60	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	52	21-112	11/25/10	Acceptable
Decachlorobiphenyl	47	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.9	0.35	1	11/22/10	11/26/10	KWG1012933	
beta-BHC	ND	U	2.9	0.50	1	11/22/10	11/26/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.9	0.45	1	11/22/10	11/26/10	KWG1012933	
delta-BHC	ND	U	2.9	0.37	1	11/22/10	11/26/10	KWG1012933	
Heptachlor	ND	U	2.9	0.83	1	11/22/10	11/26/10	KWG1012933	
Aldrin	ND	U	2.9	0.34	1	11/22/10	11/26/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.9	0.39	1	11/22/10	11/26/10	KWG1012933	
Endosulfan I	ND	U	2.9	1.7	1	11/22/10	11/26/10	KWG1012933	
Dieldrin	ND	U	2.9	0.48	1	11/22/10	11/26/10	KWG1012933	
4,4'-DDE	ND	U	2.9	1.6	1	11/22/10	11/26/10	KWG1012933	
Endrin	ND	U	2.9	0.45	1	11/22/10	11/26/10	KWG1012933	
Endosulfan II	ND	U	2.9	0.86	1	11/22/10	11/26/10	KWG1012933	
4,4'-DDD	ND	U	2.9	1.0	1	11/22/10	11/26/10	KWG1012933	
Endrin Aldehyde	ND	U	2.9	1.4	1	11/22/10	11/26/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.9	0.57	1	11/22/10	11/26/10	KWG1012933	
4,4'-DDT	**1.2**	JP	2.9	0.85	1	11/22/10	11/26/10	KWG1012933	
Toxaphene	ND	Ui	150	61	1	11/22/10	11/26/10	KWG1012933	
Chlordane	ND	U	58	22	1	11/22/10	11/26/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	86	21-112	11/26/10	Acceptable
Decachlorobiphenyl	80	15-130	11/26/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	FW0001	**Units:**	ug/WIPE
Lab Code:	K1012914-029	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	70-130	11/26/10	Acceptable
Decachlorobiphenyl	86	70-130	11/26/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	FW0002	**Units:**	ug/WIPE
Lab Code:	K1012914-030	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	80	70-130	11/26/10	Acceptable
Decachlorobiphenyl	87	70-130	11/26/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/16/2010
Sample Matrix:	Wipe	**Date Received:**	11/17/2010

Organochlorine Pesticides

Sample Name:	FW0003	**Units:**	ug/WIPE
Lab Code:	K1012914-031	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	87	70-130	11/26/10	Acceptable
Decachlorobiphenyl	85	70-130	11/26/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012933-7	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	2.5	0.35	1	11/22/10	11/25/10	KWG1012933	
beta-BHC	ND	U	2.5	0.50	1	11/22/10	11/25/10	KWG1012933	
gamma-BHC (Lindane)	ND	U	2.5	0.45	1	11/22/10	11/25/10	KWG1012933	
delta-BHC	ND	U	2.5	0.37	1	11/22/10	11/25/10	KWG1012933	
Heptachlor	ND	U	2.5	0.83	1	11/22/10	11/25/10	KWG1012933	
Aldrin	ND	U	2.5	0.34	1	11/22/10	11/25/10	KWG1012933	
Heptachlor Epoxide	ND	U	2.5	0.39	1	11/22/10	11/25/10	KWG1012933	
Endosulfan I	ND	U	2.5	1.7	1	11/22/10	11/25/10	KWG1012933	
Dieldrin	ND	U	2.5	0.48	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDE	ND	U	2.5	1.6	1	11/22/10	11/25/10	KWG1012933	
Endrin	ND	U	2.5	0.45	1	11/22/10	11/25/10	KWG1012933	
Endosulfan II	ND	U	2.5	0.86	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDD	ND	U	2.5	1.0	1	11/22/10	11/25/10	KWG1012933	
Endrin Aldehyde	ND	U	2.5	1.4	1	11/22/10	11/25/10	KWG1012933	
Endosulfan Sulfate	ND	U	2.5	0.57	1	11/22/10	11/25/10	KWG1012933	
4,4'-DDT	ND	U	2.5	0.85	1	11/22/10	11/25/10	KWG1012933	
Toxaphene	ND	U	130	37	1	11/22/10	11/25/10	KWG1012933	
Chlordane	ND	U	50	22	1	11/22/10	11/25/10	KWG1012933	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	75	21-112	11/25/10	Acceptable
Decachlorobiphenyl	77	15-130	11/25/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Wipe	**Date Received:**	NA

Organochlorine Pesticides

Sample Name:	Method Blank	**Units:**	ug/WIPE
Lab Code:	KWG1012935-1	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8081A		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
alpha-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
beta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
gamma-BHC (Lindane)	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
delta-BHC	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Aldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Heptachlor Epoxide	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan I	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Dieldrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDE	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan II	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDD	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endrin Aldehyde	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Endosulfan Sulfate	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
4,4'-DDT	ND	U	0.050	0.050	1	11/22/10	11/26/10	KWG1012935	
Toxaphene	ND	U	2.5	2.5	1	11/22/10	11/26/10	KWG1012935	
Chlordane	ND	U	1.0	1.0	1	11/22/10	11/26/10	KWG1012935	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	70-130	11/26/10	Acceptable
Decachlorobiphenyl	86	70-130	11/26/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0001
Lab Code: K1012914-001

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	30	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	6.0	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	18	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	6.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	6.0	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	6.0	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	6.0	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	6.0	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	6.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	30	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	6.0	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	6.0	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	6.0	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	30	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**2.1**	J	6.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**38**		6.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	6.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**2.8**	J	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	60	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**2.3**	J	6.0	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	**3.4**	J	6.0	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	60	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	6.0	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0001
Lab Code: K1012914-001

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	6.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	60	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**26**		6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**6.4**		6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**51**		6.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**41**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	6.0	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	60	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**26**		6.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**28**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	60	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	6.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**38**		6.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**14**		6.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**30**		6.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**21**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**5.1**	J	6.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**24**		6.0	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	51	11-80	11/23/10	Acceptable
Phenol-d6	70	20-86	11/23/10	Acceptable
Nitrobenzene-d5	86	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	83	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	64	10-119	11/23/10	Acceptable
Terphenyl-d14	106	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0002
Lab Code: K1012914-002

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	290	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	57	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	170	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	57	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	57	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	57	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	57	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	57	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	57	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	290	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	57	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	57	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	57	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	290	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	57	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**25**	JD	57	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	57	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	570	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	57	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	57	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	570	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	57	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0002
Lab Code: K1012914-002

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	57	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	570	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	57	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**29**	JD	57	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**33**	JD	57	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	57	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	570	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**18**	JD	57	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	570	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	57	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**30**	JD	57	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	ND	U	57	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**28**	JD	57	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	ND	U	57	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	64	11-80	11/23/10	Acceptable
Phenol-d6	70	20-86	11/23/10	Acceptable
Nitrobenzene-d5	82	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	77	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	65	10-119	11/23/10	Acceptable
Terphenyl-d14	99	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	30	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	5.9	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	18	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	5.9	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	5.9	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	5.9	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	5.9	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	5.9	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	5.9	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	30	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	5.9	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	5.9	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	5.9	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	30	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**2.2**	J	5.9	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**75**		5.9	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	5.9	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**2.1**	J	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	59	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**1.8**	J	5.9	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	5.9	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	59	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	5.9	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0009
Lab Code: K1012914-009

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	5.9	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	59	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**25**		5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**6.5**		5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**72**		5.9	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**62**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	5.9	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	59	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**40**		5.9	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**42**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	**7.4**	J	59	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	5.9	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**56**		5.9	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**21**		5.9	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**44**		5.9	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**32**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**6.7**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**34**		5.9	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	36	11-80	11/23/10	Acceptable
Phenol-d6	54	20-86	11/23/10	Acceptable
Nitrobenzene-d5	73	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	70	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	51	10-119	11/23/10	Acceptable
Terphenyl-d14	101	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0010
Lab Code: K1012914-010

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	120	120	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	28	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	5.6	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	17	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	5.6	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	5.6	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	5.6	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	5.6	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	5.6	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	5.6	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	28	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	5.6	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	5.6	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	5.6	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	29	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**2.3**	J	5.6	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**22**		5.6	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	5.6	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	**3.4**	J	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	120	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	56	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	**2.8**	J	5.6	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	5.6	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	56	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	5.6	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0010
Lab Code: K1012914-010

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	5.6	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	56	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**38**		5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	**9.4**		5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	12	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**110**		5.6	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	**100**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	5.6	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	56	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**65**		5.6	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	**71**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	56	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	5.6	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**92**		5.6	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**33**		5.6	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**75**		5.6	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**55**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	**11**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**56**		5.6	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	27	11-80	11/23/10	Acceptable
Phenol-d6	46	20-86	11/23/10	Acceptable
Nitrobenzene-d5	65	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	68	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	43	10-119	11/23/10	Acceptable
Terphenyl-d14	95	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0010	**Units:**	ug/Kg
Lab Code:	K1012914-010	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0017
Lab Code: K1012914-016

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	300	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	60	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	180	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	60	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	60	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	60	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	60	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	60	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	60	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	300	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	60	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	60	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	60	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	300	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	60	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**30**	JD	60	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	60	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	600	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	60	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	60	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	60	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	600	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	60	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0017
Lab Code: K1012914-016

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	60	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	600	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**45**	JD	60	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	60	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**88**	D	60	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**100**	D	60	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	60	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	600	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**58**	JD	60	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**48**	JD	60	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	600	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	**1700**	D	60	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**74**	D	60	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**35**	JD	60	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**66**	D	60	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**70**	D	60	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	60	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**93**	D	60	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	36	11-80	11/23/10	Acceptable
Phenol-d6	51	20-86	11/23/10	Acceptable
Nitrobenzene-d5	79	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	72	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	45	10-119	11/23/10	Acceptable
Terphenyl-d14	96	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0018
Lab Code: K1012914-017

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1300	1300	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	310	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	61	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	190	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	61	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	61	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	61	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	61	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	61	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	61	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	310	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	61	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	61	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	61	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	310	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	61	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	**21**	JD	61	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**52**	JD	61	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	61	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1300	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	610	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	61	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	61	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	61	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	610	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	61	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	61	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0018
Lab Code: K1012914-017

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	61	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	61	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	610	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**54**	JD	61	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	**23**	JD	61	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	130	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**81**	D	61	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**81**	D	61	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	61	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	610	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**48**	JD	61	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**63**	D	61	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	**120**	JD	610	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	61	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**76**	D	61	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**22**	JD	61	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**69**	D	61	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**67**	D	61	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	61	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**90**	D	61	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	51	11-80	11/23/10	Acceptable
Phenol-d6	59	20-86	11/23/10	Acceptable
Nitrobenzene-d5	70	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	73	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	60	10-119	11/23/10	Acceptable
Terphenyl-d14	91	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0019
Lab Code: K1012914-018

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	300	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	59	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	180	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	59	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	59	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	59	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	59	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	300	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	59	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	59	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	300	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**22**	JD	59	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	590	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	59	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	590	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0019
Lab Code: K1012914-018

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	590	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**56**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**130**	D	59	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**120**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	59	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	590	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**70**	D	59	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**92**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	590	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	59	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**97**	D	59	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**38**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**78**	D	59	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**83**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**88**	D	59	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	40	11-80	11/23/10	Acceptable
Phenol-d6	53	20-86	11/23/10	Acceptable
Nitrobenzene-d5	72	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	73	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	55	10-119	11/23/10	Acceptable
Terphenyl-d14	102	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0019	**Units:**	ug/Kg
Lab Code:	K1012914-018	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0020
Lab Code: K1012914-019

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	1200	1200	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	300	61	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	59	19	10	11/19/10	11/23/10	KWG1012700	
Phenol	ND	U	180	20	10	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	59	26	10	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	59	31	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	59	24	10	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	59	22	10	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	300	55	10	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	59	10	10	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	59	23	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	59	25	10	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	300	290	10	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	**54**	JD	59	10	10	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	59	20	10	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	1200	170	10	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	590	180	10	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	59	14	10	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	59	13	10	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	590	14	10	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	59	11	10	11/19/10	11/23/10	KWG1012700	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name: SL0020
Lab Code: K1012914-019

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	59	12	10	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	590	200	10	11/19/10	11/23/10	KWG1012700	
Phenanthrene	**30**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	59	16	10	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	120	79	10	11/19/10	11/23/10	KWG1012700	
Fluoranthene	**70**	D	59	16	10	11/19/10	11/23/10	KWG1012700	
Pyrene	**65**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	59	32	10	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	590	37	10	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	**39**	JD	59	17	10	11/19/10	11/23/10	KWG1012700	
Chrysene	**51**	JD	59	15	10	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	590	70	10	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	59	17	10	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	**63**	D	59	12	10	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	**19**	JD	59	14	10	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	**51**	JD	59	17	10	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	**60**	D	59	15	10	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	59	15	10	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	**67**	D	59	15	10	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	56	11-80	11/23/10	Acceptable
Phenol-d6	61	20-86	11/23/10	Acceptable
Nitrobenzene-d5	66	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	69	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	70	10-119	11/23/10	Acceptable
Terphenyl-d14	97	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: NA
Date Received: NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name: Method Blank
Lab Code: KWG1012700-5

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 3541
Analysis Method: 8270C

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Benzidine†	ND	U	99	99	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodimethylamine	ND	U	25	6.1	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethyl) Ether	ND	U	5.0	1.9	1	11/19/10	11/23/10	KWG1012700	
Phenol	**2.1**	J	15	2.0	1	11/19/10	11/23/10	KWG1012700	
2-Chlorophenol	ND	U	5.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroisopropyl) Ether	ND	U	5.0	2.6	1	11/19/10	11/23/10	KWG1012700	
Hexachloroethane	ND	U	5.0	3.1	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodi-n-propylamine	ND	U	5.0	2.4	1	11/19/10	11/23/10	KWG1012700	
Nitrobenzene	ND	U	5.0	2.2	1	11/19/10	11/23/10	KWG1012700	
Isophorone	ND	U	5.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2-Nitrophenol	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dimethylphenol	ND	U	25	5.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-chloroethoxy)methane	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
2,4-Dichlorophenol	ND	U	5.0	1.0	1	11/19/10	11/23/10	KWG1012700	
Naphthalene	ND	U	5.0	2.3	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobutadiene	ND	U	5.0	2.5	1	11/19/10	11/23/10	KWG1012700	
4-Chloro-3-methylphenol	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Hexachlorocyclopentadiene	ND	U	29	29	1	11/19/10	11/23/10	KWG1012700	
2,4,6-Trichlorophenol	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2-Chloronaphthalene	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Acenaphthylene	ND	U	5.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Dimethyl Phthalate	ND	U	5.0	1.0	1	11/19/10	11/23/10	KWG1012700	
2,6-Dinitrotoluene	ND	U	5.0	2.0	1	11/19/10	11/23/10	KWG1012700	
Acenaphthene	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrophenol	ND	U	99	17	1	11/19/10	11/23/10	KWG1012700	
4-Nitrophenol	ND	U	50	18	1	11/19/10	11/23/10	KWG1012700	
2,4-Dinitrotoluene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Fluorene	ND	U	5.0	1.1	1	11/19/10	11/23/10	KWG1012700	
4-Chlorophenyl Phenyl Ether	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Diethyl Phthalate	ND	U	5.0	1.3	1	11/19/10	11/23/10	KWG1012700	
2-Methyl-4,6-dinitrophenol	ND	U	50	1.4	1	11/19/10	11/23/10	KWG1012700	
N-Nitrosodiphenylamine	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Azobenzene†	ND	U	5.0	1.1	1	11/19/10	11/23/10	KWG1012700	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012700-5	**Basis:**	Dry
Extraction Method:	EPA 3541	**Level:**	Low
Analysis Method:	8270C		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
4-Bromophenyl Phenyl Ether	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Hexachlorobenzene	ND	U	5.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Pentachlorophenol	ND	U	50	20	1	11/19/10	11/23/10	KWG1012700	
Phenanthrene	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Anthracene	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Di-n-butyl Phthalate	ND	U	9.9	7.9	1	11/19/10	11/23/10	KWG1012700	
Fluoranthene	ND	U	5.0	1.6	1	11/19/10	11/23/10	KWG1012700	
Pyrene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Butyl Benzyl Phthalate	ND	U	5.0	3.2	1	11/19/10	11/23/10	KWG1012700	
3,3'-Dichlorobenzidine	ND	U	50	3.7	1	11/19/10	11/23/10	KWG1012700	
Benz(a)anthracene	ND	U	5.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Chrysene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Bis(2-ethylhexyl) Phthalate	ND	U	50	7.0	1	11/19/10	11/23/10	KWG1012700	
Di-n-octyl Phthalate	ND	U	5.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Benzo(b)fluoranthene	ND	U	5.0	1.2	1	11/19/10	11/23/10	KWG1012700	
Benzo(k)fluoranthene	ND	U	5.0	1.4	1	11/19/10	11/23/10	KWG1012700	
Benzo(a)pyrene	ND	U	5.0	1.7	1	11/19/10	11/23/10	KWG1012700	
Indeno(1,2,3-cd)pyrene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Dibenz(a,h)anthracene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	
Benzo(g,h,i)perylene	ND	U	5.0	1.5	1	11/19/10	11/23/10	KWG1012700	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
2-Fluorophenol	59	11-80	11/23/10	Acceptable
Phenol-d6	77	20-86	11/23/10	Acceptable
Nitrobenzene-d5	71	27-91	11/23/10	Acceptable
2-Fluorobiphenyl	71	25-97	11/23/10	Acceptable
2,4,6-Tribromophenol	76	10-119	11/23/10	Acceptable
Terphenyl-d14	103	33-129	11/23/10	Acceptable

Comments:

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Semi-Volatile Organic Compounds by GC/MS

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012700-5	**Basis:**	Dry

† **Analyte Comments**

Benzidine	This compound is searched for as a tentatively indentified compound.
Azobenzene	1,2-Diphenylhydrazine is reported as Azobenzene.

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/10 - 11/16/10
Date Received: 11/17/10

Prep Method: CAS SOP
Analysis Method: 9060M

Units: Percent
Basis: Dry, per method

Carbon, Total Organic

Sample Name	Lab Code	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Note
SL0001	K1012914-001	**0.671**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0002	K1012914-002	**0.740**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0003	K1012914-003	**4.41**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0004	K1012914-004	**0.527**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0005	K1012914-005	**0.101**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0006	K1012914-006	**0.105**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0007	K1012914-007	**0.211**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0008	K1012914-008	**0.660**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0009	K1012914-009	**0.330**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0010	K1012914-010	**0.123**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0012	K1012914-011	**0.532**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0013	K1012914-012	**0.289**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0014	K1012914-013	**0.245**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0015	K1012914-014	**0.551**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0016	K1012914-015	**0.583**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0017	K1012914-016	**0.845**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0018	K1012914-017	**0.957**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0019	K1012914-018	**0.902**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0020	K1012914-019	**0.809**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0021	K1012914-020	**2.91**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0022	K1012914-021	**2.11**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0023	K1012914-022	**0.856**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0024	K1012914-023	**8.77**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0025	K1012914-024	**4.07**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0026	K1012914-025	**4.98**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0027	K1012914-026	**3.79**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0028	K1012914-027	**0.944**		0.050	0.020	1	11/18/10	11/23/10 09:30	
SL0011	K1012914-028	**0.383**		0.050	0.020	1	11/18/10	11/23/10 09:30	
Method Blank	K1012914-MB1	ND	U	0.050	0.020	1	NA	11/23/10 09:30	
Method Blank	K1012914-MB2	ND	U	0.050	0.020	1	NA	11/23/10 09:30	
Method Blank	K1012914-MB3	ND	U	0.050	0.020	1	NA	11/23/10 09:30	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pi/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
SL0001	K1012914-001	11/15/2010	11/17/2010	11/19/2010	83.8	
SL0002	K1012914-002	11/15/2010	11/17/2010	11/19/2010	88.2	
SL0009	K1012914-009	11/15/2010	11/17/2010	11/19/2010	85.4	
SL0010	K1012914-010	11/15/2010	11/17/2010	11/19/2010	88.7	
SL0017	K1012914-016	11/15/2010	11/17/2010	11/19/2010	82.6	
SL0018	K1012914-017	11/15/2010	11/17/2010	11/19/2010	82.0	
SL0019	K1012914-018	11/15/2010	11/17/2010	11/19/2010	84.5	
SL0020	K1012914-019	11/15/2010	11/17/2010	11/19/2010	85.1	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pi/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
SL0003	K1012914-003	11/15/2010	11/17/2010	11/23/2010	87.1	
SL0004	K1012914-004	11/15/2010	11/17/2010	11/23/2010	90.0	
SL0005	K1012914-005	11/15/2010	11/17/2010	11/23/2010	89.8	
SL0006	K1012914-006	11/15/2010	11/17/2010	11/23/2010	88.9	
SL0007	K1012914-007	11/15/2010	11/17/2010	11/23/2010	88.2	
SL0008	K1012914-008	11/15/2010	11/17/2010	11/23/2010	78.4	
SL0012	K1012914-011	11/15/2010	11/17/2010	11/23/2010	91.1	
SL0013	K1012914-012	11/15/2010	11/17/2010	11/23/2010	80.3	
SL0014	K1012914-013	11/15/2010	11/17/2010	11/23/2010	81.4	
SL0015	K1012914-014	11/15/2010	11/17/2010	11/23/2010	89.0	
SL0016	K1012914-015	11/15/2010	11/17/2010	11/23/2010	88.2	
SL0021	K1012914-020	11/16/2010	11/17/2010	11/23/2010	85.0	
SL0022	K1012914-021	11/16/2010	11/17/2010	11/23/2010	84.4	
SL0023	K1012914-022	11/16/2010	11/17/2010	11/23/2010	75.5	
SL0024	K1012914-023	11/16/2010	11/17/2010	11/23/2010	63.0	
SL0025	K1012914-024	11/16/2010	11/17/2010	11/23/2010	86.2	
SL0026	K1012914-025	11/16/2010	11/17/2010	11/23/2010	90.8	
SL0027	K1012914-026	11/16/2010	11/17/2010	11/23/2010	76.9	
SL0028	K1012914-027	11/16/2010	11/17/2010	11/23/2010	85.5	
SL0011	K1012914-028	11/15/2010	11/17/2010	11/23/2010	90.4	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0001	**Units:**	ug/Kg
Lab Code:	K1012914-001	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.9	0.54	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.9	0.73	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.1	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**4.6**	J	12	0.51	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.9	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.9	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.9	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.9	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.9	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.9	0.31	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.9	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.9	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.9	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0001
Lab Code: K1012914-001

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	109	83-128	11/24/10	Acceptable
Toluene-d8	113	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	95	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0002	**Units:**	ug/Kg
Lab Code:	K1012914-002	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.6	0.52	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.6	0.35	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.6	0.70	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.6	0.35	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	23	3.0	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.6	0.26	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**5.1**	J	12	0.49	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.6	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.6	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.6	0.23	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.6	0.40	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.6	0.41	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.6	0.17	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.6	0.31	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.6	0.17	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.54	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.6	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.6	0.39	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.6	0.26	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.6	0.30	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.6	0.22	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.6	0.28	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.6	0.34	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.6	0.41	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.6	0.27	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.6	0.28	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.6	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	23	0.26	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0002
Lab Code: K1012914-002

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	83-128	11/24/10	Acceptable
Toluene-d8	112	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	91	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0009	**Units:**	ug/Kg
Lab Code:	K1012914-009	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.8	0.53	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.8	0.72	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.0	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**5.3**	J	12	0.50	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.8	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.8	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.8	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.8	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.8	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.8	0.30	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.8	0.22	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.8	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.8	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0009
Lab Code: K1012914-009

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	83-128	11/24/10	Acceptable
Toluene-d8	115	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	98	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0010
Lab Code: K1012914-010

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 5030A
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.5	0.51	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.5	0.34	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.5	0.68	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.5	0.34	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	22	2.9	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.5	0.26	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**5.1**	J	11	0.48	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.5	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.5	0.39	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.5	0.22	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.5	0.39	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.5	0.40	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.5	0.17	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.5	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.5	0.17	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	11	0.53	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.5	0.20	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.5	0.38	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.5	0.26	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.5	0.29	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.5	0.21	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.5	0.28	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.5	0.33	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.5	0.40	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.5	0.27	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.5	0.28	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.5	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	22	0.26	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0010
Lab Code: K1012914-010

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	114	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	96	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0017	**Units:**	ug/Kg
Lab Code:	K1012914-016	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	6.0	0.55	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	6.0	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	6.0	0.74	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	6.0	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.1	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	6.0	0.28	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**9.7**	J	12	0.52	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	6.0	1.5	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	6.0	0.42	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	6.0	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	6.0	0.42	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	6.0	0.43	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	6.0	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	6.0	0.33	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	6.0	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.58	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	6.0	0.22	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	6.0	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	6.0	0.28	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	6.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	6.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	6.0	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	6.0	0.36	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	6.0	0.43	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	6.0	0.29	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	6.0	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	6.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.28	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0017
Lab Code: K1012914-016

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	112	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	91	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0018	**Units:**	ug/Kg
Lab Code:	K1012914-017	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	6.1	0.56	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	6.1	0.38	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	6.1	0.75	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	6.1	0.38	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	25	3.2	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	6.1	0.28	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**10**	J	13	0.52	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	6.1	1.5	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	6.1	0.43	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	6.1	0.25	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	6.1	0.43	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	6.1	0.44	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	6.1	0.19	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	6.1	0.33	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	6.1	0.19	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	13	0.58	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	6.1	0.22	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	6.1	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	6.1	0.28	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	6.1	0.32	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	6.1	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	6.1	0.31	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	6.1	0.37	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	6.1	0.44	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	6.1	0.29	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	6.1	0.31	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	6.1	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	25	0.28	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0018
Lab Code: K1012914-017

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	112	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	91	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0019
Lab Code: K1012914-018

Units: ug/Kg
Basis: Dry

Extraction Method: EPA 5030A
Analysis Method: 8260B

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.8	0.54	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.8	0.72	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.8	0.36	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.0	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**8.1**	J	12	0.50	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.8	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.8	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.8	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.8	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.8	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.8	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.8	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.8	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.8	0.30	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.8	0.22	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.8	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.8	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.8	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.8	0.29	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.8	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0019
Lab Code: K1012914-018

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	112	83-128	11/24/10	Acceptable
Toluene-d8	113	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	94	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	11/15/2010
Sample Matrix:	Sediment	**Date Received:**	11/17/2010

Volatile Organic Compounds

Sample Name:	SL0020	**Units:**	ug/Kg
Lab Code:	K1012914-019	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.9	0.54	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.9	0.73	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.9	0.37	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	24	3.1	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**8.1**	J	12	0.51	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.9	1.4	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.9	0.24	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.9	0.41	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.9	0.32	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.9	0.18	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	12	0.56	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.9	0.21	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.9	0.40	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.9	0.27	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.9	0.31	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.9	0.23	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.9	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.9	0.42	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.9	0.28	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.9	0.30	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.9	0.26	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	24	0.27	1	11/24/10	11/24/10	KWG1012941	

Comments:

Client: Integral Consulting, Incorporated
Project: San Jacinto Waste Pits/090557-01.01
Sample Matrix: Sediment

Service Request: K1012914
Date Collected: 11/15/2010
Date Received: 11/17/2010

Volatile Organic Compounds

Sample Name: SL0020
Lab Code: K1012914-019

Units: ug/Kg
Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	111	83-128	11/24/10	Acceptable
Toluene-d8	113	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	96	77-124	11/24/10	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	Integral Consulting, Incorporated	**Service Request:**	K1012914
Project:	San Jacinto Waste Pits/090557-01.01	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Volatile Organic Compounds

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG1012941-5	**Basis:**	Dry
Extraction Method:	EPA 5030A	**Level:**	Low
Analysis Method:	8260B		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Chloromethane	ND	U	5.0	0.46	1	11/24/10	11/24/10	KWG1012941	
Vinyl Chloride	ND	U	5.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Bromomethane	ND	U	5.0	0.62	1	11/24/10	11/24/10	KWG1012941	
Chloroethane	ND	U	5.0	0.31	1	11/24/10	11/24/10	KWG1012941	
Acrolein	ND	U	20	2.6	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethene	ND	U	5.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Methylene Chloride	**3.1**	J	10	0.43	1	11/24/10	11/24/10	KWG1012941	
Acrylonitrile	ND	U	5.0	1.2	1	11/24/10	11/24/10	KWG1012941	
trans-1,2-Dichloroethene	ND	U	5.0	0.35	1	11/24/10	11/24/10	KWG1012941	
1,1-Dichloroethane	ND	U	5.0	0.20	1	11/24/10	11/24/10	KWG1012941	
Chloroform	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,1,1-Trichloroethane (TCA)	ND	U	5.0	0.35	1	11/24/10	11/24/10	KWG1012941	
Carbon Tetrachloride	ND	U	5.0	0.36	1	11/24/10	11/24/10	KWG1012941	
Benzene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloroethane (EDC)	ND	U	5.0	0.15	1	11/24/10	11/24/10	KWG1012941	
Trichloroethene (TCE)	ND	U	5.0	0.27	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichloropropane	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Bromodichloromethane	ND	U	5.0	0.15	1	11/24/10	11/24/10	KWG1012941	
2-Chloroethyl Vinyl Ether	ND	U	10	0.48	1	11/24/10	11/24/10	KWG1012941	
cis-1,3-Dichloropropene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Toluene	ND	U	5.0	0.18	1	11/24/10	11/24/10	KWG1012941	
trans-1,3-Dichloropropene	ND	U	5.0	0.34	1	11/24/10	11/24/10	KWG1012941	
1,1,2-Trichloroethane	ND	U	5.0	0.23	1	11/24/10	11/24/10	KWG1012941	
Tetrachloroethene (PCE)	ND	U	5.0	0.26	1	11/24/10	11/24/10	KWG1012941	
Dibromochloromethane	ND	U	5.0	0.19	1	11/24/10	11/24/10	KWG1012941	
Chlorobenzene	ND	U	5.0	0.25	1	11/24/10	11/24/10	KWG1012941	
Ethylbenzene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
Bromoform	ND	U	5.0	0.30	1	11/24/10	11/24/10	KWG1012941	
1,1,2,2-Tetrachloroethane	ND	U	5.0	0.36	1	11/24/10	11/24/10	KWG1012941	
1,3-Dichlorobenzene	ND	U	5.0	0.24	1	11/24/10	11/24/10	KWG1012941	
1,4-Dichlorobenzene	ND	U	5.0	0.25	1	11/24/10	11/24/10	KWG1012941	
1,2-Dichlorobenzene	ND	U	5.0	0.22	1	11/24/10	11/24/10	KWG1012941	
1,2,4-Trichlorobenzene	ND	U	20	0.23	1	11/24/10	11/24/10	KWG1012941	

Comments:

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Volatile Organic Compounds

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Lab Code: KWG1012941-5

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Basis: Dry

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Dibromofluoromethane	110	83-128	11/24/10	Acceptable
Toluene-d8	115	90-125	11/24/10	Acceptable
4-Bromofluorobenzene	97	77-124	11/24/10	Acceptable

Comments:

ORDER	CUSTSAMPLE	LABNUM	TEST	ASB_TYPE_1	ASB_AMT_1	ASB_TYPE_2	ASB_AMT_2	ASB_TYPE_3	ASB_AMT_3	Treatment	Color	Homogeniety	NON_ASB_FIBROUS_AMT	NON_ASB_NONFIBROUS_AMT
091010094	SL0001 (TG 005)	091010094-0001	PLM CARB 435 Level A					emsl_TempExport		Crushed	Tan	Homogeneous	0	100
091010094	SL0002 (TG 010	091010094-0002	PLM CARB 435 Level A							Crushed	Tan	Homogeneous	0	100
091010094	SL0009 (TG 027)	091010094-0003	PLM CARB 435 Level A							Crushed	Tan	Homogeneous	0	100
091010094	SL0010 (TG 032)	091010094-0004	PLM CARB 435 Level A							Crushed	Tan	Homogeneous	0	100
091010094	SL0017 (TG 049)	091010094-0005	PLM CARB 435 Level A							Crushed	Tan	Homogeneous	0	100
091010094	SL0018 (TG 054)	091010094-0006	PLM CARB 435 Level A							Crushed	Tan	Homogeneous	0	100
091010094	SL0019 (TG 059)	091010094-0007	PLM CARB 435 Level A							Crushed	Tan	Homogeneous	0	100
091010094	SL0020 (TG 064)	091010094-0008	PLM CARB 435 Level A							Crushed	Tan	Homogeneous	0	100