Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

JMC Environmental Consultants
2109 Bridge Avenue
Building B
Point Pleasant, NJ 08742

Project Name: **ARSYNCO**
IAL Case Number: **E13-03912**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

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IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program

Sample Summary

IAL Case No.

E13-03912

Client JMC Environmental Consultants

Project ARSYNCO

Received On 4/29/2013@18:11

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
03912-001	Q-39E (4.0-6.0)	4/6	4/29/2013@09:30	Soil	1
03912-002	Q-39E (6.0-8.0)	6/8	4/29/2013@09:31	Soil	1
03912-003	R-40W (2.0-4.0)	2/4	4/29/2013@09:55	Soil	1
03912-004	R-40W (4.0-6.0)	4/6	4/29/2013@09:56	Soil	1
03912-005	R-40W (6.0-8.0)	6/8	4/29/2013@09:57	Soil	1
03912-006	Q-41E (2.0-4.0)	2/4	4/29/2013@10:20	Soil	1
03912-007	Q-41E (8.0-10.0)	8/10	4/29/2013@10:21	Soil	1
03912-008	Q-42E (4.0-6.0)	4/6	4/29/2013@10:38	Soil	1
03912-009	Q-43N (2.0-4.0)	2/4	4/29/2013@10:50	Soil	1
03912-010	Q-41S (2.0-4.0)	2/4	4/29/2013@11:21	Soil	1
03912-011	Q-41S (8.0-10.0)	8/10	4/29/2013@11:22	Soil	1
03912-012	Q-41N (4.0-6.0)	4/6	4/29/2013@11:53	Soil	1
03912-013	Q-41N (8.0-10.0)	8/10	4/29/2013@11:54	Soil	1
03912-014	Q-39S (2.0-4.0)	2/4	4/29/2013@12:24	Soil	1
03912-015	Q-39S (4.0-6.0)	4/6	4/29/2013@12:25	Soil	1
03912-016	Q-39S (6.0-8.0)	6/8	4/29/2013@12:26	Soil	1
03912-017	Q-39N (0-2.0)	0/2	4/29/2013@13:05	Soil	1
03912-018	Q-39N (2.0-4.0)	2/4	4/29/2013@13:06	Soil	1
03912-019	Q-39N (4.0-6.0)	4/6	4/29/2013@13:07	Soil	1
03912-020	Q-39N (6.0-8.0)	6/8	4/29/2013@13:08	Soil	1
03912-021	Q-38N (0-2.0)	0/2	4/29/2013@13:22	Soil	1
03912-022	Q-38W (0-2.0)	0/2	4/29/2013@13:37	Soil	1
03912-023	Q-39W (0-2.0)	0/2	4/29/2013@14:15	Soil	1
03912-024	P-40E (4.0-6.0)	4/6	4/29/2013@14:40	Soil	1
03912-025	Q-41W (8.0-10.0)	8/10	4/29/2013@15:05	Soil	1
03912-026	FB-79	n/a	4/29/2013@15:18	Aqueous	2

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on May 15, 2013

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

B Indicates the analyte was found in the associated method blank as well as in the sample. It indicates probable laboratory contamination.

C Indicates analyte is a common laboratory contaminant.

D Indicated analyte was reported from diluted analysis.

E Identifies a compound concentration that exceeds the upper level of the calibration range of the instrument for that specific analysis.

J Indicates an estimated value. This flag is used when the concentration in the sample is below the RL but above the MDL.

REPORTING DEFINITIONS

RL Reporting Limit. The RL is determined by the lowest concentration in the calibration curve. For most Wet Chemistry methods, the RL is defined by using the PQL.

MDL Method Detection Limit as determined according to 40CFR Part 136 Appendix B.

PQL Practical Quantitation Limit. Usually defined as a value 3-5 times the MDL.

ND Indicates analyte was analyzed for but not detected above the MDL.

DF Dilution Factor

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate

DUP Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and twenty-five (25) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-03912, Project: ARSYNCO) on April 29, 2013 for the analysis of:

(26) TCL PCB

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Reviewed by

5/14/13
Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03912

PCB By 8082

Batch ID: 130503-10	**Matrix: Aqueous**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery met QC criteria.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 026

E13-03912

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution was performed.

Signature 5/9/2013
Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03912

PCB By 8082

Batch ID: 130430-16	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. For samples: 001,003,004, 006,008,010,012, 015 and MS,MSD surrogates were diluted out due to high concentration.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery did not meet QC criteria. Due to matrix interference.
- RPD between MS/MSD did not meet QC criteria. Due to matrix interference.
- The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015

E13-03912

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- Samples run with dilution: 001, 004, 008 with 500x dilution; 003 with 200x dil.; 006, 010 with 400x dil.; 009 with 20x dil.; 012 with 1000x dil.; 015 with 100x dil. All dilutions were done due to dirty matrix, or/ and high concentration of the target compound. All samples with dilution did not pass NJ SRS criteria. The rest of the samples were sraight.

5/14/2013

Signature Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03912

PCB By 8082

Batch ID: 130430-17	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. For samples 018, 022, 016, 019, 021, 023 surrogate was diluted out.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 016, 017, 018, 019, 020, 021, 022, 023, 024, 025

E13-03912

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- Samples run and analyzed with dilution: 016, 019 with 1000x dil.; 017 with 5x dil.; 018, 022 with 100x dil.; 021 with 200x dil.; 023 with 50x dil. All dilutions were done dut to dirty matrix, or/and high concentration of the target compound. All samples with dilution did not pass NJ SRS criteria. The rest of the samples were run straight.

5/14/2013

Signature Date

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03912

Lab ID:	**03912-026**		
Client ID:	**FB-79**		
Matrix:	**Aqueous**		
Sampled Date	**4/29/13**		
PARAMETER(Units)	Conc	Q	MDL
PCB's (Units)	*(mg/L-ppm)*		
Aroclor-1016	ND		0.00002
Aroclor-1221	ND		0.00002
Aroclor-1232	ND		0.00002
Aroclor-1242	ND		0.00002
Aroclor-1248	ND		0.00002
Aroclor-1254	ND		0.00002
Aroclor-1260	ND		0.00002
Aroclor-1262	ND		0.00002
Aroclor-1268	ND		0.00002
PCBs	ND		0.00002

Lab ID:	**03912-001**			**03912-002**			**03912-003**			**03912-004**		
Client ID:	**Q-39E (4.0-6.0)**			**Q-39E (6.0-8.0)**			**R-40W (2.0-4.0)**			**R-40W (4.0-6.0)**		
Depth:	**4/6**			**6/8**			**2/4**			**4/6**		
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**		
Sampled Date	**4/29/13**			**4/29/13**			**4/29/13**			**4/29/13**		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		11.4	ND		0.043	ND		5.24	ND		11.0
Aroclor-1221	ND		11.4	ND		0.043	ND		5.24	ND		11.0
Aroclor-1232	ND		11.4	ND		0.043	ND		5.24	ND		11.0
Aroclor-1242	ND		11.4	ND		0.043	ND		5.24	ND		11.0
Aroclor-1248	ND		11.4	ND		0.043	ND		5.24	ND		11.0
Aroclor-1254	ND		11.4	ND		0.043	1030		5.24	1570		11.0
Aroclor-1260	833		11.4	10.2		0.043	2090		5.24	1760		11.0
Aroclor-1262	ND		11.4	ND		0.043	ND		5.24	ND		11.0
Aroclor-1268	ND		11.4	ND		0.043	ND		5.24	ND		11.0
PCBs	833		11.4	10.2		0.043	3120		5.24	3330		11.0

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03912

Lab ID:	03912-005			03912-006			03912-007			03912-008		
Client ID:	R-40W (6.0-8.0)			Q-41E (2.0-4.0)			Q-41E (8.0-10.0)			Q-42E (4.0-6.0)		
Depth:	6/8			2/4			8/10			4/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/29/13			4/29/13			4/29/13			4/29/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.025	ND		10.1	ND		0.018	ND		16.0
Aroclor-1221	ND		0.025	ND		10.1	ND		0.018	ND		16.0
Aroclor-1232	ND		0.025	ND		10.1	ND		0.018	ND		16.0
Aroclor-1242	ND		0.025	ND		10.1	ND		0.018	ND		16.0
Aroclor-1248	ND		0.025	ND		10.1	ND		0.018	ND		16.0
Aroclor-1254	ND		0.025	944		10.1	ND		0.018	4090		16.0
Aroclor-1260	1.27		0.025	ND		10.1	0.240		0.018	ND		16.0
Aroclor-1262	ND		0.025	ND		10.1	ND		0.018	ND		16.0
Aroclor-1268	ND		0.025	ND		10.1	ND		0.018	ND		16.0
PCBs	1.27		0.025	944		10.1	0.240		0.018	4090		16.0

Lab ID:	03912-009			03912-010			03912-011			03912-012		
Client ID:	Q-43N (2.0-4.0)			Q-41S (2.0-4.0)			Q-41S (8.0-10.0)			Q-41N (4.0-6.0)		
Depth:	2/4			2/4			8/10			4/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/29/13			4/29/13			4/29/13			4/29/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.371	ND		8.17	ND		0.040	ND		25.4
Aroclor-1221	ND		0.371	ND		8.17	ND		0.040	ND		25.4
Aroclor-1232	ND		0.371	ND		8.17	ND		0.040	ND		25.4
Aroclor-1242	ND		0.371	ND		8.17	ND		0.040	ND		25.4
Aroclor-1248	86.6		0.371	ND		8.17	ND		0.040	ND		25.4
Aroclor-1254	122		0.371	ND		8.17	0.880		0.040	ND		25.4
Aroclor-1260	ND		0.371	793		8.17	0.839		0.040	5110		25.4
Aroclor-1262	ND		0.371	ND		8.17	ND		0.040	ND		25.4
Aroclor-1268	ND		0.371	ND		8.17	ND		0.040	ND		25.4
PCBs	209		0.371	793		8.17	1.72		0.040	5110		25.4

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03912

Lab ID:	03912-013			03912-014			03912-015			03912-016		
Client ID:	Q-41N (8.0-10.0)			Q-39S (2.0-4.0)			Q-39S (4.0-6.0)			Q-39S (6.0-8.0)		
Depth:	8/10			2/4			4/6			6/8		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/29/13			4/29/13			4/29/13			4/29/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.036	ND		0.021	ND		2.83	ND		20.8
Aroclor-1221	ND		0.036	ND		0.021	ND		2.83	ND		20.8
Aroclor-1232	ND		0.036	ND		0.021	ND		2.83	ND		20.8
Aroclor-1242	ND		0.036	ND		0.021	ND		2.83	ND		20.8
Aroclor-1248	ND		0.036	6.69		0.021	ND		2.83	ND		20.8
Aroclor-1254	ND		0.036	ND		0.021	ND		2.83	ND		20.8
Aroclor-1260	4.97		0.036	3.32		0.021	983		2.83	2990		20.8
Aroclor-1262	ND		0.036	ND		0.021	ND		2.83	ND		20.8
Aroclor-1268	ND		0.036	ND		0.021	ND		2.83	ND		20.8
PCBs	4.97		0.036	10.0		0.021	983		2.83	2990		20.8

Lab ID:	03912-017			03912-018			03912-019			03912-020		
Client ID:	Q-39N (0-2.0)			Q-39N (2.0-4.0)			Q-39N (4.0-6.0)			Q-39N (6.0-8.0)		
Depth:	0/2			2/4			4/6			6/8		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/29/13			4/29/13			4/29/13			4/29/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.108	ND		2.46	ND		22.8	ND		0.034
Aroclor-1221	ND		0.108	ND		2.46	ND		22.8	ND		0.034
Aroclor-1232	ND		0.108	ND		2.46	ND		22.8	ND		0.034
Aroclor-1242	ND		0.108	ND		2.46	ND		22.8	ND		0.034
Aroclor-1248	ND		0.108	ND		2.46	ND		22.8	ND		0.034
Aroclor-1254	20.8		0.108	712		2.46	2660		22.8	ND		0.034
Aroclor-1260	21.7		0.108	849		2.46	2830		22.8	2.11		0.034
Aroclor-1262	ND		0.108	ND		2.46	ND		22.8	ND		0.034
Aroclor-1268	ND		0.108	ND		2.46	ND		22.8	ND		0.034
PCBs	42.5		0.108	1560		2.46	5490		22.8	2.11		0.034

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03912

Lab ID:	03912-021			03912-022			03912-023			03912-024		
Client ID:	Q-38N (0-2.0)			Q-38W (0-2.0)			Q-39W (0-2.0)			P-40E (4.0-6.0)		
Depth:	0/2			0/2			0/2			4/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/29/13			4/29/13			4/29/13			4/29/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		3.76	ND		2.00	ND		0.985	ND		0.021
Aroclor-1221	ND		3.76	ND		2.00	ND		0.985	ND		0.021
Aroclor-1232	ND		3.76	ND		2.00	ND		0.985	ND		0.021
Aroclor-1242	ND		3.76	ND		2.00	ND		0.985	ND		0.021
Aroclor-1248	ND		3.76	ND		2.00	ND		0.985	1.37		0.021
Aroclor-1254	ND		3.76	728		2.00	126		0.985	1.98		0.021
Aroclor-1260	857		3.76	461		2.00	132		0.985	1.98		0.021
Aroclor-1262	ND		3.76	ND		2.00	ND		0.985	ND		0.021
Aroclor-1268	ND		3.76	ND		2.00	ND		0.985	ND		0.021
PCBs	857		3.76	1190		2.00	258		0.985	5.33		0.021

Lab ID:	03912-025		
Client ID:	Q-41W (8.0-10.0)		
Depth:	8/10		
Matrix:	Soil		
Sampled Date	4/29/13		
PARAMETER(Units)	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.032
Aroclor-1221	ND		0.032
Aroclor-1232	ND		0.032
Aroclor-1242	ND		0.032
Aroclor-1248	ND		0.032
Aroclor-1254	ND		0.032
Aroclor-1260	0.433		0.032
Aroclor-1262	ND		0.032
Aroclor-1268	ND		0.032
PCBs	0.433		0.032

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-001
Client ID: Q-39E_(4.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9825.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 500
% Moisture: 30.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		28.6	11.4
Aroclor-1221	ND		28.6	11.4
Aroclor-1232	ND		28.6	11.4
Aroclor-1242	ND		28.6	11.4
Aroclor-1248	ND		28.6	11.4
Aroclor-1254	ND		28.6	11.4
Aroclor-1260	833		28.6	11.4
Aroclor-1262	ND		28.6	11.4
Aroclor-1268	ND		28.6	11.4
PCBs	833		28.6	11.4

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-002
Client ID: Q-39E_(6.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9765.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.44g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 65.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.108	0.043
Aroclor-1221	ND		0.108	0.043
Aroclor-1232	ND		0.108	0.043
Aroclor-1242	ND		0.108	0.043
Aroclor-1248	ND		0.108	0.043
Aroclor-1254	ND		0.108	0.043
Aroclor-1260	10.2		0.108	0.043
Aroclor-1262	ND		0.108	0.043
Aroclor-1268	ND		0.108	0.043
PCBs	10.2		0.108	0.043

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-003
Client ID: R-40W_(2.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/09/2013
Data file: R9909.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.07g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 200
% Moisture: 39.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		13.1	5.24
Aroclor-1221	ND		13.1	5.24
Aroclor-1232	ND		13.1	5.24
Aroclor-1242	ND		13.1	5.24
Aroclor-1248	ND		13.1	5.24
Aroclor-1254	1030		13.1	5.24
Aroclor-1260	2090		13.1	5.24
Aroclor-1262	ND		13.1	5.24
Aroclor-1268	ND		13.1	5.24
PCBs	3120		13.1	5.24

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-004
Client ID: R-40W_(4.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9826.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.01g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 500
% Moisture: 27.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		27.5	11.0
Aroclor-1221	ND		27.5	11.0
Aroclor-1232	ND		27.5	11.0
Aroclor-1242	ND		27.5	11.0
Aroclor-1248	ND		27.5	11.0
Aroclor-1254	1570		27.5	11.0
Aroclor-1260	1760		27.5	11.0
Aroclor-1262	ND		27.5	11.0
Aroclor-1268	ND		27.5	11.0
PCBs	3330		27.5	11.0

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-005
Client ID: R-40W_(6.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9768.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 41.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.062	0.025
Aroclor-1221	ND		0.062	0.025
Aroclor-1232	ND		0.062	0.025
Aroclor-1242	ND		0.062	0.025
Aroclor-1248	ND		0.062	0.025
Aroclor-1254	ND		0.062	0.025
Aroclor-1260	1.27		0.062	0.025
Aroclor-1262	ND		0.062	0.025
Aroclor-1268	ND		0.062	0.025
PCBs	1.27		0.062	0.025

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-006
Client ID: Q-41E_(2.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9827.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.22g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 400
% Moisture: 39.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		25.4	10.1
Aroclor-1221	ND		25.4	10.1
Aroclor-1232	ND		25.4	10.1
Aroclor-1242	ND		25.4	10.1
Aroclor-1248	ND		25.4	10.1
Aroclor-1254	944		25.4	10.1
Aroclor-1260	ND		25.4	10.1
Aroclor-1262	ND		25.4	10.1
Aroclor-1268	ND		25.4	10.1
PCBs	944		25.4	10.1

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-007
Client ID: Q-41E_(8.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9824.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.53g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.018
Aroclor-1221	ND		0.046	0.018
Aroclor-1232	ND		0.046	0.018
Aroclor-1242	ND		0.046	0.018
Aroclor-1248	ND		0.046	0.018
Aroclor-1254	ND		0.046	0.018
Aroclor-1260	0.240		0.046	0.018
Aroclor-1262	ND		0.046	0.018
Aroclor-1268	ND		0.046	0.018
PCBs	0.240		0.046	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-008
Client ID: Q-42E_(4.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9828.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.14g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 500
% Moisture: 51.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		40.1	16.0
Aroclor-1221	ND		40.1	16.0
Aroclor-1232	ND		40.1	16.0
Aroclor-1242	ND		40.1	16.0
Aroclor-1248	ND		40.1	16.0
Aroclor-1254	4090		40.1	16.0
Aroclor-1260	ND		40.1	16.0
Aroclor-1262	ND		40.1	16.0
Aroclor-1268	ND		40.1	16.0
PCBs	4090		40.1	16.0

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-009
Client ID: Q-43N_(2.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9829.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.27g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 20
% Moisture: 18.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.927	0.371
Aroclor-1221	ND		0.927	0.371
Aroclor-1232	ND		0.927	0.371
Aroclor-1242	ND		0.927	0.371
Aroclor-1248	86.6		0.927	0.371
Aroclor-1254	122		0.927	0.371
Aroclor-1260	ND		0.927	0.371
Aroclor-1262	ND		0.927	0.371
Aroclor-1268	ND		0.927	0.371
PCBs	209		0.927	0.371

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-010
Client ID: Q-41S_(2.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9830.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.47g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 400
% Moisture: 28.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		20.4	8.17
Aroclor-1221	ND		20.4	8.17
Aroclor-1232	ND		20.4	8.17
Aroclor-1242	ND		20.4	8.17
Aroclor-1248	ND		20.4	8.17
Aroclor-1254	ND		20.4	8.17
Aroclor-1260	793		20.4	8.17
Aroclor-1262	ND		20.4	8.17
Aroclor-1268	ND		20.4	8.17
PCBs	793		20.4	8.17

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-011
Client ID: Q-41S_(8.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/09/2013
Data file: R9908.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.59g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 64.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.100	0.040
Aroclor-1221	ND		0.100	0.040
Aroclor-1232	ND		0.100	0.040
Aroclor-1242	ND		0.100	0.040
Aroclor-1248	ND		0.100	0.040
Aroclor-1254	0.880		0.100	0.040
Aroclor-1260	0.839		0.100	0.040
Aroclor-1262	ND		0.100	0.040
Aroclor-1268	ND		0.100	0.040
PCBs	1.72		0.100	0.040

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-012
Client ID: Q-41N_(4.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9849.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.12g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 38.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		63.4	25.4
Aroclor-1221	ND		63.4	25.4
Aroclor-1232	ND		63.4	25.4
Aroclor-1242	ND		63.4	25.4
Aroclor-1248	ND		63.4	25.4
Aroclor-1254	ND		63.4	25.4
Aroclor-1260	5110		63.4	25.4
Aroclor-1262	ND		63.4	25.4
Aroclor-1268	ND		63.4	25.4
PCBs	5110		63.4	25.4

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-013
Client ID: Q-41N_(8.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9776.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.33g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 58.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.091	0.036
Aroclor-1221	ND		0.091	0.036
Aroclor-1232	ND		0.091	0.036
Aroclor-1242	ND		0.091	0.036
Aroclor-1248	ND		0.091	0.036
Aroclor-1254	ND		0.091	0.036
Aroclor-1260	4.97		0.091	0.036
Aroclor-1262	ND		0.091	0.036
Aroclor-1268	ND		0.091	0.036
PCBs	4.97		0.091	0.036

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-014
Client ID: Q-39S_(2.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9777.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.19g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 25.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.052	0.021
Aroclor-1221	ND		0.052	0.021
Aroclor-1232	ND		0.052	0.021
Aroclor-1242	ND		0.052	0.021
Aroclor-1248	6.69		0.052	0.021
Aroclor-1254	ND		0.052	0.021
Aroclor-1260	3.32		0.052	0.021
Aroclor-1262	ND		0.052	0.021
Aroclor-1268	ND		0.052	0.021
PCBs	10.0		0.052	0.021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-015
Client ID: Q-39S_(4.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9778.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.12g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 44.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		7.08	2.83
Aroclor-1221	ND		7.08	2.83
Aroclor-1232	ND		7.08	2.83
Aroclor-1242	ND		7.08	2.83
Aroclor-1248	ND		7.08	2.83
Aroclor-1254	ND		7.08	2.83
Aroclor-1260	983		7.08	2.83
Aroclor-1262	ND		7.08	2.83
Aroclor-1268	ND		7.08	2.83
PCBs	983		7.08	2.83

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-016
Client ID: Q-39S_(6.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9832.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 23.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		52.0	20.8
Aroclor-1221	ND		52.0	20.8
Aroclor-1232	ND		52.0	20.8
Aroclor-1242	ND		52.0	20.8
Aroclor-1248	ND		52.0	20.8
Aroclor-1254	ND		52.0	20.8
Aroclor-1260	2990		52.0	20.8
Aroclor-1262	ND		52.0	20.8
Aroclor-1268	ND		52.0	20.8
PCBs	2990		52.0	20.8

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-017
Client ID: Q-39N_(0-2
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9833.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 25.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.270	0.108
Aroclor-1221	ND		0.270	0.108
Aroclor-1232	ND		0.270	0.108
Aroclor-1242	ND		0.270	0.108
Aroclor-1248	ND		0.270	0.108
Aroclor-1254	20.8		0.270	0.108
Aroclor-1260	21.7		0.270	0.108
Aroclor-1262	ND		0.270	0.108
Aroclor-1268	ND		0.270	0.108
PCBs	42.5		0.270	0.108

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-018
Client ID: Q-39N_(2.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9744.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 34.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		6.14	2.46
Aroclor-1221	ND		6.14	2.46
Aroclor-1232	ND		6.14	2.46
Aroclor-1242	ND		6.14	2.46
Aroclor-1248	ND		6.14	2.46
Aroclor-1254	712		6.14	2.46
Aroclor-1260	849		6.14	2.46
Aroclor-1262	ND		6.14	2.46
Aroclor-1268	ND		6.14	2.46
PCBs	1560		6.14	2.46

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-019
Client ID: Q-39N_(4.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9834.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 29.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		57.1	22.8
Aroclor-1221	ND		57.1	22.8
Aroclor-1232	ND		57.1	22.8
Aroclor-1242	ND		57.1	22.8
Aroclor-1248	ND		57.1	22.8
Aroclor-1254	2660		57.1	22.8
Aroclor-1260	2830		57.1	22.8
Aroclor-1262	ND		57.1	22.8
Aroclor-1268	ND		57.1	22.8
PCBs	5490		57.1	22.8

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-020
Client ID: Q-39N_(6.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9746.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 52.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.085	0.034
Aroclor-1221	ND		0.085	0.034
Aroclor-1232	ND		0.085	0.034
Aroclor-1242	ND		0.085	0.034
Aroclor-1248	ND		0.085	0.034
Aroclor-1254	ND		0.085	0.034
Aroclor-1260	2.11		0.085	0.034
Aroclor-1262	ND		0.085	0.034
Aroclor-1268	ND		0.085	0.034
PCBs	2.11		0.085	0.034

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-021
Client ID: Q-38N_(0-2
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9835.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 200
% Moisture: 15.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		9.41	3.76
Aroclor-1221	ND		9.41	3.76
Aroclor-1232	ND		9.41	3.76
Aroclor-1242	ND		9.41	3.76
Aroclor-1248	ND		9.41	3.76
Aroclor-1254	ND		9.41	3.76
Aroclor-1260	857		9.41	3.76
Aroclor-1262	ND		9.41	3.76
Aroclor-1268	ND		9.41	3.76
PCBs	857		9.41	3.76

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-022
Client ID: Q-38W_(0-2
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9748.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 20.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		5.00	2.00
Aroclor-1221	ND		5.00	2.00
Aroclor-1232	ND		5.00	2.00
Aroclor-1242	ND		5.00	2.00
Aroclor-1248	ND		5.00	2.00
Aroclor-1254	728		5.00	2.00
Aroclor-1260	461		5.00	2.00
Aroclor-1262	ND		5.00	2.00
Aroclor-1268	ND		5.00	2.00
PCBs	1190		5.00	2.00

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-023
Client ID: Q-39W_(0-2
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/08/2013
Data file: R9836.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 18.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.46	0.985
Aroclor-1221	ND		2.46	0.985
Aroclor-1232	ND		2.46	0.985
Aroclor-1242	ND		2.46	0.985
Aroclor-1248	ND		2.46	0.985
Aroclor-1254	126		2.46	0.985
Aroclor-1260	132		2.46	0.985
Aroclor-1262	ND		2.46	0.985
Aroclor-1268	ND		2.46	0.985
PCBs	258		2.46	0.985

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-024
Client ID: P-40E_(4.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9750.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 22.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.052	0.021
Aroclor-1221	ND		0.052	0.021
Aroclor-1232	ND		0.052	0.021
Aroclor-1242	ND		0.052	0.021
Aroclor-1248	1.37		0.052	0.021
Aroclor-1254	1.98		0.052	0.021
Aroclor-1260	1.98		0.052	0.021
Aroclor-1262	ND		0.052	0.021
Aroclor-1268	ND		0.052	0.021
PCBs	5.33		0.052	0.021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-025
Client ID: Q-41W_(8.0
Date Received: 04/29/2013
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9751.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 49.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.079	0.032
Aroclor-1221	ND		0.079	0.032
Aroclor-1232	ND		0.079	0.032
Aroclor-1242	ND		0.079	0.032
Aroclor-1248	ND		0.079	0.032
Aroclor-1254	ND		0.079	0.032
Aroclor-1260	0.433		0.079	0.032
Aroclor-1262	ND		0.079	0.032
Aroclor-1268	ND		0.079	0.032
PCBs	0.433		0.079	0.032

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03912-026
Client ID: FB-79
Date Received: 04/29/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/08/2013
Data file: R9872.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-mg/L (ppm)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.00005	0.00002
Aroclor-1221	ND		0.00005	0.00002
Aroclor-1232	ND		0.00005	0.00002
Aroclor-1242	ND		0.00005	0.00002
Aroclor-1248	ND		0.00005	0.00002
Aroclor-1254	ND		0.00005	0.00002
Aroclor-1260	ND		0.00005	0.00002
Aroclor-1262	ND		0.00005	0.00002
Aroclor-1268	ND		0.00005	0.00002
PCBs	ND		0.00005	0.00002

PCB DATA

PCB QC SUMMARY

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 05/07/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130430-16	SOIL	74		81		73		79	
PCB	LCSS130430-16	SOIL	74		81		72		80	
BASF-C-042	03885-032	SOLID	68		78		64		76	
BASF-C-042	03885-033	SOLID	70		83		59		82	
BASF-C-042	03885-034	SOLID	71		90		65		85	
002	03886-002	SOLID	61		67		68		66	
003	03886-003	SOLID	61		80		54		84	
Q-39E_(6.0	03912-002	SOIL	78		97		76		124	
R-40W_(6.0	03912-005	SOIL	71		79		72		87	
Q-41N_(8.0	03912-013	SOIL	65		71		65		74	
Q-39S_(2.0	03912-014	SOIL	63		84		62		105	
Q-39S_(4.0	03912-015	SOIL	0	D	0	D	0	D	0	D
PCB	03912-015MS	SOIL	0	D	0	D	0	D	0	D
PCB	03912-015MSD	SOIL	0	D	0	D	0	D	0	D
Q-41E_(8.0	03912-007	SOIL	75		95		73		82	
Q-39E_(4.0	03912-001	SOIL	0	D	0	D	0	D	0	D
R-40W_(4.0	03912-004	SOIL	0	D	0	D	0	D	0	D
Q-41E_(2.0	03912-006	SOIL	0	D	0	D	0	D	0	D
Q-42E_(4.0	03912-008	SOIL	0	D	0	D	0	D	0	D
Q-43N_(2.0	03912-009	SOIL	74		72		70		70	
Q-41S_(2.0	03912-010	SOIL	0	D	0	D	0	D	0	D
Q-41N_(4.0	03912-012	SOIL	0	D	0	D	0	D	0	D
Q-41S_(8.0	03912-011	SOIL	86		118		86		107	
R-40W_(2.0	03912-003	SOIL	0	D	0	D	0	D	0	*

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	30-150	30-150
DCB = Decachlorobiphenyl	30-150	30-150

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 05/07/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130430-17	SOIL	74		80		74		80	
Q-39N_(2.0	03912-018	SOIL	0	D	0	D	0	D	0	D
Q-39N_(6.0	03912-020	SOIL	84		100		84		104	
Q-38W_(0-2	03912-022	SOIL	0	D	0	D	0	D	0	D
P-40E_(4.0	03912-024	SOIL	68		80		67		89	
Q-41W_(8.0	03912-025	SOIL	73		109		73		103	
PCB	03912-025MS	SOIL	72		98		72		88	
PCB	03912-025MSD	SOIL	72		94		71		87	
PCB	LCSS130430-17	SOIL	74		94		72		79	
Q-39S_(6.0	03912-016	SOIL	0	D	0	D	0	D	0	D
Q-39N_(0-2	03912-017	SOIL	78		115		74		95	
Q-39N_(4.0	03912-019	SOIL	0	D	0	D	0	D	0	D
Q-38N_(0-2	03912-021	SOIL	0	D	0	D	0	D	0	D
Q-39W_(0-2	03912-023	SOIL	0	D	0	D	0	D	0	D

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	30-150	30-150
DCB = Decachlorobiphenyl	30-150	30-150

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

PCB SURROGATE PERCENT RECOVERY SUMMARY

Date Analyzed: 05/08/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKA130503-10	AQUEOUS	83		105		82		105	
DRUM_#2	03869-002	AQUEOUS	73		90		74		91	
FB-79	03912-026	AQUEOUS	88		104		88		104	
PCB	LCSA130503-10	AQUEOUS	79		100		78		100	

Surrogate QC Limits	Soil	Aqueous
TCMX = Tetrachloro-m-xylene	30-150	30-150
DCB = Decachlorobiphenyl	30-150	30-150

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSS130430-16

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	449.1	90	40 - 140
Aroclor-1260	500.0	0.0	474.0	95	40 - 140

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

Spike Recovery: __0___ out of __2__ outside limits

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSS130430-17

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	449.0	90	40 - 140
Aroclor-1260	500.0	0.0	462.8	93	40 - 140

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

Spike Recovery: __0___ out of __2__ outside limits

AQUEOUS PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSA130503-10

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	496.0	99	40 - 140
Aroclor-1260	500.0	0.0	550.5	110	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

Spike Recovery: __0___ out of __2__ outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 03912-015

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	NC	NC	40 - 140
Aroclor-1260	500.0	147135.6	NC	NC	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	NC	NC	NC	50	40 - 140
Aroclor-1260	147135.6	NC	NC	NC	50	40 - 140

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

RPD: __2___ out of __2__ outside limits

Spike Recovery: __4___ out of __4__ outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 03912-025

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	438.9	88	40 - 140
Aroclor-1260	500.0	54.5	487.1	87	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	434.7	87	1	50	40 - 140
Aroclor-1260	54.5	541.4	97	11	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

AQUEOUS PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 03857-001

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	523.2	105	40 - 140
Aroclor-1260	500.0	0.0	586.5	117	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	561.5	112	6	50	40 - 140
Aroclor-1260	0.0	618.7	124	6	50	40 - 140

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

NC Non calculable

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

PCB METHOD BLANK SUMMARY

Lab File ID: R9757.D

Instrument ID: GC-R

Date Extracted: 04/30/2013

Matrix: SOIL

Date Analyzed: 05/07/2013

Time Analyzed: 06:02

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS130430-16	05/07/2013	06:20
BASF-C-042	03885-032	05/07/2013	06:37
BASF-C-042	03885-033	05/07/2013	06:54
BASF-C-042	03885-034	05/07/2013	07:12
002	03886-002	05/07/2013	07:29
003	03886-003	05/07/2013	07:47
Q-39E_(6.0	03912-002	05/07/2013	08:22
R-40W_(6.0	03912-005	05/07/2013	09:14
Q-41N_(8.0	03912-013	05/07/2013	11:34
Q-39S_(2.0	03912-014	05/07/2013	11:51
Q-39S_(4.0	03912-015	05/07/2013	12:08
PCB	03912-015MS	05/07/2013	12:26
PCB	03912-015MSD	05/07/2013	12:43
Q-41E_(8.0	03912-007	05/08/2013	06:08
Q-39E_(4.0	03912-001	05/08/2013	06:25
R-40W_(4.0	03912-004	05/08/2013	06:43
Q-41E_(2.0	03912-006	05/08/2013	07:00
Q-42E_(4.0	03912-008	05/08/2013	07:18
Q-43N_(2.0	03912-009	05/08/2013	07:35
Q-41S_(2.0	03912-010	05/08/2013	07:53
Q-41N_(4.0	03912-012	05/08/2013	14:18
Q-41S_(8.0	03912-011	05/09/2013	12:23
R-40W_(2.0	03912-003	05/09/2013	12:40

PCB METHOD BLANK SUMMARY

Lab File ID:	R9741.D	Instrument ID:	GC-R
Date Extracted:	04/30/2013	Matrix:	SOIL
Date Analyzed:	05/07/2013	Time Analyzed:	00:14

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
Q-39N_(2.0	03912-018	05/07/2013	01:06
Q-39N_(6.0	03912-020	05/07/2013	01:41
Q-38W_(0-2	03912-022	05/07/2013	02:16
P-40E_(4.0	03912-024	05/07/2013	02:51
Q-41W_(8.0	03912-025	05/07/2013	03:08
PCB	03912-025MS	05/07/2013	03:25
PCB	03912-025MSD	05/07/2013	03:43
PCB	LCSS130430-17	05/07/2013	04:35
Q-39S_(6.0	03912-016	05/08/2013	08:28
Q-39N_(0-2	03912-017	05/08/2013	08:45
Q-39N_(4.0	03912-019	05/08/2013	09:03
Q-38N_(0-2	03912-021	05/08/2013	09:20
Q-39W_(0-2	03912-023	05/08/2013	09:37

PCB METHOD BLANK SUMMARY

Lab File ID:	R9870.D	Instrument ID:	GC-R
Date Extracted:	05/03/2013	Matrix:	AQUEOUS
Date Analyzed:	05/08/2013	Time Analyzed:	22:55

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
DRUM_#2	03869-002	05/08/2013	23:13
FB-79	03912-026	05/08/2013	23:30
PCB	LCSA130503-10	05/08/2013	23:48

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/17/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R8905.D R8904.D R8903.D R8902.D R8901.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.22	3.22	3.22	3.22	3.22	3.22	3.15	3.29
Aroclor-1016 {2}	4.05	4.05	4.05	4.05	4.05	4.05	3.98	4.12
Aroclor-1016 {3}	4.60	4.60	4.60	4.60	4.60	4.60	4.53	4.67
Aroclor-1016 {4}	5.11	5.11	5.11	5.11	5.11	5.11	5.04	5.18
Aroclor-1016 {5}	5.50	5.50	5.50	5.50	5.50	5.50	5.43	5.57
Aroclor-1221			2.13				2.06	2.20
Aroclor-1221 {2}			3.02				2.95	3.09
Aroclor-1221 {3}			3.14				3.07	3.21
Aroclor-1221 {4}			3.22				3.15	3.29
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.22				3.15	3.29
Aroclor-1232 {2}			4.05				3.98	4.12
Aroclor-1232 {3}			4.71				4.64	4.78
Aroclor-1232 {4}			5.31				5.24	5.38
Aroclor-1232 {5}			5.50				5.43	5.57
Aroclor-1242			4.05				3.98	4.12
Aroclor-1242 {2}			4.99				4.92	5.06
Aroclor-1242 {3}			5.31				5.24	5.38
Aroclor-1242 {4}			6.01				5.94	6.08
Aroclor-1242 {5}			6.28				6.21	6.35
Aroclor-1248			4.45				4.37	4.53
Aroclor-1248 {2}			4.99				4.91	5.07
Aroclor-1248 {3}			5.31				5.23	5.39
Aroclor-1248 {4}			6.01				5.93	6.09
Aroclor-1248 {5}			6.28				6.20	6.36
Aroclor-1254			6.41				6.33	6.49
Aroclor-1254 {2}			6.84				6.76	6.92
Aroclor-1254 {3}			7.01				6.92	7.10
Aroclor-1254 {4}			7.45				7.36	7.54
Aroclor-1254 {5}			8.29				8.20	8.38
Aroclor-1260	8.29	8.29	8.29	8.29	8.29	8.29	7.39	9.19
Aroclor-1260 {2}	8.97	8.97	8.97	8.97	8.97	8.97	8.07	9.87
Aroclor-1260 {3}	9.45	9.45	9.45	9.45	9.45	9.45	8.55	10.35
Aroclor-1260 {4}	9.93	9.93	9.93	9.93	9.93	9.93	9.03	10.83
Aroclor-1260 {5}	10.99	10.99	10.99	10.99	10.99	10.99	10.09	11.89

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/17/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R8905.D R8904.D R8903.D R8902.D R8901.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	273388	262231	232321	216327	211748	239203	11.49
Aroclor-1016 {2}	355668	346400	312881	294629	287298	319375	9.56
Aroclor-1016 {3}	465937	440044	402716	378416	373098	412042	9.73
Aroclor-1016 {4}	209972	207662	184891	170691	168312	188306	10.51
Aroclor-1016 {5}	360579	333624	314804	298233	296099	320668	8.40
Aroclor-1221			94887				
Aroclor-1221 {2}			154466				
Aroclor-1221 {3}			94825				
Aroclor-1221 {4}			329982				
Aroclor-1221 {5}			71657				
Aroclor-1232			214046				
Aroclor-1232 {2}			121911				
Aroclor-1232 {3}			107288				
Aroclor-1232 {4}			114903				
Aroclor-1232 {5}			143470				
Aroclor-1242			219484				
Aroclor-1242 {2}			135896				
Aroclor-1242 {3}			188075				
Aroclor-1242 {4}			269670				
Aroclor-1242 {5}			244389				
Aroclor-1248			464016				
Aroclor-1248 {2}			261841				
Aroclor-1248 {3}			337846				
Aroclor-1248 {4}			509953				
Aroclor-1248 {5}			410435				
Aroclor-1254			579732				
Aroclor-1254 {2}			373682				
Aroclor-1254 {3}			674547				
Aroclor-1254 {4}			720918				
Aroclor-1254 {5}			623290				
Aroclor-1260	893716	880947	867411	809850	829207	856226	4.14
Aroclor-1260 {2}	414317	413297	400025	370970	381743	396070	4.86
Aroclor-1260 {3}	940915	954989	973088	902329	944898	943244	2.76
Aroclor-1260 {4}	505168	508145	519743	483352	517232	506728	2.84
Aroclor-1260 {5}	193767	206842	214645	195637	217355	205649	5.22
						Average %RSD	6.95

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/17/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R8905.C R8904.C R8903.C R8902.C R8901.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.43	3.43	3.43	3.43	3.43	3.43	3.36	3.50
Aroclor-1016 {2}	4.00	4.00	4.00	4.00	4.00	4.00	3.93	4.07
Aroclor-1016 {3}	4.72	4.72	4.72	4.72	4.72	4.72	4.65	4.79
Aroclor-1016 {4}	4.92	4.92	4.92	4.92	4.92	4.92	4.85	4.99
Aroclor-1016 {5}	5.09	5.09	5.09	5.09	5.09	5.09	5.02	5.16
Aroclor-1221			2.21				2.14	2.28
Aroclor-1221 {2}			3.12				3.05	3.19
Aroclor-1221 {3}			3.34				3.27	3.41
Aroclor-1221 {4}			3.43				3.36	3.50
Aroclor-1221 {5}			4.72				4.65	4.79
Aroclor-1232			3.43				3.36	3.50
Aroclor-1232 {2}			4.37				4.30	4.44
Aroclor-1232 {3}			4.92				4.85	4.99
Aroclor-1232 {4}			5.09				5.02	5.16
Aroclor-1232 {5}			5.68				5.61	5.75
Aroclor-1242			4.37				4.30	4.44
Aroclor-1242 {2}			5.09				5.02	5.16
Aroclor-1242 {3}			5.68				5.61	5.75
Aroclor-1242 {4}			5.83				5.76	5.90
Aroclor-1242 {5}			6.36				6.29	6.43
Aroclor-1248			4.72				4.64	4.80
Aroclor-1248 {2}			5.29				5.21	5.37
Aroclor-1248 {3}			5.68				5.60	5.76
Aroclor-1248 {4}			5.83				5.75	5.91
Aroclor-1248 {5}			6.17				6.09	6.25
Aroclor-1254			6.66				6.58	6.74
Aroclor-1254 {2}			7.24				7.16	7.32
Aroclor-1254 {3}			7.67				7.58	7.76
Aroclor-1254 {4}			7.85				7.76	7.94
Aroclor-1254 {5}			8.66				8.57	8.75
Aroclor-1260	7.42	7.42	7.42	7.42	7.42	7.42	6.52	8.32
Aroclor-1260 {2}	7.67	7.67	7.67	7.67	7.67	7.67	6.77	8.57
Aroclor-1260 {3}	9.26	9.25	9.25	9.25	9.26	9.25	8.35	10.15
Aroclor-1260 {4}	9.76	9.76	9.76	9.76	9.76	9.76	8.86	10.66
Aroclor-1260 {5}	10.35	10.35	10.35	10.35	10.35	10.35	9.45	11.25

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/17/2013

Instrument ID: GC-R
GC Column (2nd): DB-1701P

Data File: R8905.C R8904.C R8903.C R8902.C R8901.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	310487	301042	267602	243632	237750	272103	12.08
Aroclor-1016 {2}	645599	605534	516583	472731	456250	539339	15.38
Aroclor-1016 {3}	1426225	1276806	1187827	1108723	1072668	1214450	11.70
Aroclor-1016 {4}	516529	544448	493102	455652	440983	490143	8.69
Aroclor-1016 {5}	435257	421935	384643	351242	349078	388431	10.19
Aroclor-1221			113088				
Aroclor-1221 {2}			164920				
Aroclor-1221 {3}			103383				
Aroclor-1221 {4}			377724				
Aroclor-1221 {5}			72409				
Aroclor-1232			248610				
Aroclor-1232 {2}			95062				
Aroclor-1232 {3}			197951				
Aroclor-1232 {4}			153040				
Aroclor-1232 {5}			214098				
Aroclor-1242			166381				
Aroclor-1242 {2}			268965				
Aroclor-1242 {3}			354665				
Aroclor-1242 {4}			287175				
Aroclor-1242 {5}			560240				
Aroclor-1248			541041				
Aroclor-1248 {2}			791761				
Aroclor-1248 {3}			570141				
Aroclor-1248 {4}			477960				
Aroclor-1248 {5}			283064				
Aroclor-1254			733486				
Aroclor-1254 {2}			566456				
Aroclor-1254 {3}			373499				
Aroclor-1254 {4}			562589				
Aroclor-1254 {5}			738640				
Aroclor-1260	542399	499412	432439	399390	394100	453548	14.34
Aroclor-1260 {2}	825827	719863	622456	572510	562332	660597	16.87
Aroclor-1260 {3}	630230	579776	546199	501283	510947	553687	9.54
Aroclor-1260 {4}	1255307	1165350	1154225	1060442	1104521	1147969	6.37
Aroclor-1260 {5}	865521	824908	830501	747665	819808	817681	5.26
						Average %RSD	11.04

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/17/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R8905.D R8904.D R8903.D R8902.D R8901.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			8.67				8.55	8.79
Aroclor-1262 {2}			9.45				9.33	9.57
Aroclor-1262 {3}			10.08				9.96	10.20
Aroclor-1262 {4}			10.17				10.05	10.29
Aroclor-1262 {5}			10.99				10.87	11.11
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.17				10.05	10.29
Aroclor-1268 {3}			10.64				10.52	10.76
Aroclor-1268 {4}			10.77				10.65	10.89
Aroclor-1268 {5}			11.60				11.48	11.72

GC Column (2nd): DB-1701P

Data File: R8905.C R8904.C R8903.C R8902.C R8901.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1262			9.25				9.13	9.37
Aroclor-1262 {2}			9.76				9.64	9.88
Aroclor-1262 {3}			10.26				10.14	10.38
Aroclor-1262 {4}			10.34				10.22	10.46
Aroclor-1262 {5}			10.94				10.82	11.06
Aroclor-1268			10.26				10.14	10.38
Aroclor-1268 {2}			10.34				10.22	10.46
Aroclor-1268 {3}			10.59				10.47	10.71
Aroclor-1268 {4}			10.73				10.61	10.85
Aroclor-1268 {5}			11.81				11.69	11.93

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/17/2013

Instrument ID: GC-R
GC Column (1st): DB-5

Data File: R8905.D R8904.D R8903.D R8902.D R8901.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			246260				
Aroclor-1262 {2}			1165306				
Aroclor-1262 {3}			460057				
Aroclor-1262 {4}			482035				
Aroclor-1262 {5}			385857				
Aroclor-1268			1286259				
Aroclor-1268 {2}			1207455				
Aroclor-1268 {3}			1010486				
Aroclor-1268 {4}			249653				
Aroclor-1268 {5}			3159238				

GC Column (2nd): DB-1701P

Data File: R8905.C R8904.C R8903.C R8902.C R8901.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			658408				
Aroclor-1262 {2}			1403733				
Aroclor-1262 {3}			494503				
Aroclor-1262 {4}			957092				
Aroclor-1262 {5}			178872				
Aroclor-1268			1424262				
Aroclor-1268 {2}			1363218				
Aroclor-1268 {3}			1139890				
Aroclor-1268 {4}			293823				
Aroclor-1268 {5}			3530038				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/06/2013 **Instrument ID:** GC-R

Data File: R9740.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	234826	1.83
Aroclor-1016 {2}	4.05	3.98	4.12	319375	311738	2.39
Aroclor-1016 {3}	4.60	4.53	4.67	412042	405657	1.55
Aroclor-1016 {4}	5.11	5.04	5.18	188306	194688	3.39
Aroclor-1016 {5}	5.51	5.43	5.57	320668	321041	0.12
Aroclor-1260	8.30	7.39	9.19	856226	941731	9.99
Aroclor-1260 {2}	8.98	8.07	9.87	396070	438846	10.80
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1065326	12.94
Aroclor-1260 {4}	9.94	9.03	10.83	506728	553759	9.28
Aroclor-1260 {5}	11.00	10.09	11.89	205649	218143	6.08
					Average %D	5.84

Data File: R9740.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.42	3.36	3.50	272103	268879	1.18
Aroclor-1016 {2}	3.99	3.93	4.07	539339	510487	5.35
Aroclor-1016 {3}	4.72	4.65	4.79	1214450	1193736	1.71
Aroclor-1016 {4}	4.92	4.85	4.99	490143	493388	0.66
Aroclor-1016 {5}	5.09	5.02	5.16	388431	380343	2.08
Aroclor-1260	7.41	6.52	8.32	453548	454529	0.22
Aroclor-1260 {2}	7.67	6.77	8.57	660597	655458	0.78
Aroclor-1260 {3}	9.25	8.35	10.15	553687	584960	5.65
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1252654	9.12
Aroclor-1260 {5}	10.34	9.45	11.25	817681	892369	9.13
					Average %D	3.59

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/07/2013 **Instrument ID:** GC-R

Data File: R9755.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	227568	4.86
Aroclor-1016 {2}	4.05	3.98	4.12	319375	308860	3.29
Aroclor-1016 {3}	4.61	4.53	4.67	412042	401304	2.61
Aroclor-1016 {4}	5.11	5.04	5.18	188306	187676	0.33
Aroclor-1016 {5}	5.51	5.43	5.57	320668	317839	0.88
Aroclor-1260	8.30	7.39	9.19	856226	931472	8.79
Aroclor-1260 {2}	8.98	8.07	9.87	396070	431258	8.88
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1054352	11.78
Aroclor-1260 {4}	9.94	9.03	10.83	506728	550410	8.62
Aroclor-1260 {5}	11.00	10.09	11.89	205649	216370	5.21
					Average %D	5.53

Data File: R9755.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.36	3.50	272103	254563	6.45
Aroclor-1016 {2}	4.00	3.93	4.07	539339	491082	8.95
Aroclor-1016 {3}	4.72	4.65	4.79	1214450	1157624	4.68
Aroclor-1016 {4}	4.92	4.85	4.99	490143	475275	3.03
Aroclor-1016 {5}	5.09	5.02	5.16	388431	363196	6.50
Aroclor-1260	7.41	6.52	8.32	453548	437381	3.56
Aroclor-1260 {2}	7.67	6.77	8.57	660597	632142	4.31
Aroclor-1260 {3}	9.25	8.35	10.15	553687	562277	1.55
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1210881	5.48
Aroclor-1260 {5}	10.34	9.45	11.25	817681	863845	5.65
					Average %D	5.02

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/07/2013 **Instrument ID:** GC-R

Data File: R9756.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	249712	4.39
Aroclor-1016 {2}	4.05	3.98	4.12	319375	334581	4.76
Aroclor-1016 {3}	4.60	4.53	4.67	412042	434105	5.35
Aroclor-1016 {4}	5.11	5.04	5.18	188306	205238	8.99
Aroclor-1016 {5}	5.51	5.43	5.57	320668	343555	7.14
Aroclor-1260	8.30	7.39	9.19	856226	1010228	17.99
Aroclor-1260 {2}	8.98	8.07	9.87	396070	466613	17.81
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1106867	17.35
Aroclor-1260 {4}	9.94	9.03	10.83	506728	599810	18.37
Aroclor-1260 {5}	11.00	10.09	11.89	205649	230688	12.18
					Average %D	11.43

Data File: R9756.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.42	3.36	3.50	272103	277213	1.88
Aroclor-1016 {2}	3.99	3.93	4.07	539339	526153	2.44
Aroclor-1016 {3}	4.72	4.65	4.79	1214450	1247671	2.74
Aroclor-1016 {4}	4.92	4.85	4.99	490143	512552	4.57
Aroclor-1016 {5}	5.09	5.02	5.16	388431	387720	0.18
Aroclor-1260	7.41	6.52	8.32	453548	473336	4.36
Aroclor-1260 {2}	7.67	6.77	8.57	660597	683186	3.42
Aroclor-1260 {3}	9.25	8.35	10.15	553687	604431	9.16
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1318176	14.83
Aroclor-1260 {5}	10.34	9.45	11.25	817681	938452	14.77
					Average %D	5.84

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/07/2013 **Instrument ID:** GC-R

Data File: R9781.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	203646	14.86
Aroclor-1016 {2}	4.05	3.98	4.12	319375	277495	13.11
Aroclor-1016 {3}	4.61	4.53	4.67	412042	362122	12.12
Aroclor-1016 {4}	5.12	5.04	5.18	188306	162405	13.75
Aroclor-1016 {5}	5.51	5.43	5.57	320668	282743	11.83
Aroclor-1260	8.30	7.39	9.19	856226	748384	12.60
Aroclor-1260 {2}	8.98	8.07	9.87	396070	345453	12.78
Aroclor-1260 {3}	9.46	8.55	10.35	943244	846655	10.24
Aroclor-1260 {4}	9.94	9.03	10.83	506728	485144	4.26
Aroclor-1260 {5}	11.00	10.09	11.89	205649	186175	9.47
					Average %D	11.50

Data File: R9781.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.36	3.50	272103	228443	16.05
Aroclor-1016 {2}	4.00	3.93	4.07	539339	443973	17.68
Aroclor-1016 {3}	4.72	4.65	4.79	1214450	1047111	13.78
Aroclor-1016 {4}	4.92	4.85	4.99	490143	407396	16.88
Aroclor-1016 {5}	5.09	5.02	5.16	388431	316493	18.52
Aroclor-1260	7.42	6.52	8.32	453548	363868	19.77
Aroclor-1260 {2}	7.67	6.77	8.57	660597	531855	19.49
Aroclor-1260 {3}	9.25	8.35	10.15	553687	454234	17.96
Aroclor-1260 {4}	9.76	8.86	10.66	1147969	965978	15.85
Aroclor-1260 {5}	10.34	9.45	11.25	817681	678110	17.07
					Average %D	17.31

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/08/2013 **Instrument ID:** GC-R

Data File: R9823.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	261772	9.44
Aroclor-1016 {2}	4.05	3.98	4.12	319375	339046	6.16
Aroclor-1016 {3}	4.60	4.53	4.67	412042	433079	5.11
Aroclor-1016 {4}	5.11	5.04	5.18	188306	203732	8.19
Aroclor-1016 {5}	5.51	5.43	5.57	320668	330747	3.14
Aroclor-1260	8.30	7.39	9.19	856226	882742	3.10
Aroclor-1260 {2}	8.98	8.07	9.87	396070	413134	4.31
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1001223	6.15
Aroclor-1260 {4}	9.93	9.03	10.83	506728	528760	4.35
Aroclor-1260 {5}	11.00	10.09	11.89	205649	215474	4.78
					Average %D	5.47

Data File: R9823.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.36	3.50	272103	299114	9.93
Aroclor-1016 {2}	3.99	3.93	4.07	539339	551990	2.35
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1270907	4.65
Aroclor-1016 {4}	4.92	4.85	4.99	490143	517906	5.66
Aroclor-1016 {5}	5.09	5.02	5.16	388431	404305	4.09
Aroclor-1260	7.41	6.52	8.32	453548	427195	5.81
Aroclor-1260 {2}	7.66	6.77	8.57	660597	613732	7.09
Aroclor-1260 {3}	9.25	8.35	10.15	553687	537519	2.92
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1134095	1.21
Aroclor-1260 {5}	10.34	9.45	11.25	817681	819533	0.23
					Average %D	4.39

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/08/2013 **Instrument ID:** GC-R

Data File: R9837.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	212756	11.06
Aroclor-1016 {2}	4.05	3.98	4.12	319375	282922	11.41
Aroclor-1016 {3}	4.60	4.53	4.67	412042	356350	13.52
Aroclor-1016 {4}	5.11	5.04	5.18	188306	169840	9.81
Aroclor-1016 {5}	5.51	5.43	5.57	320668	273734	14.64
Aroclor-1260	8.30	7.39	9.19	856226	731900	14.52
Aroclor-1260 {2}	8.97	8.07	9.87	396070	342479	13.53
Aroclor-1260 {3}	9.45	8.55	10.35	943244	831208	11.88
Aroclor-1260 {4}	9.94	9.03	10.83	506728	441371	12.90
Aroclor-1260 {5}	11.00	10.09	11.89	205649	201065	2.23
					Average %D	11.55

Data File: R9837.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.42	3.36	3.50	272103	244229	10.24
Aroclor-1016 {2}	3.99	3.93	4.07	539339	449752	16.61
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1037823	14.54
Aroclor-1016 {4}	4.92	4.85	4.99	490143	427379	12.81
Aroclor-1016 {5}	5.09	5.02	5.16	388431	325542	16.19
Aroclor-1260	7.41	6.52	8.32	453548	370396	18.33
Aroclor-1260 {2}	7.66	6.77	8.57	660597	537613	18.62
Aroclor-1260 {3}	9.24	8.35	10.15	553687	443264	19.94
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	953146	16.97
Aroclor-1260 {5}	10.34	9.45	11.25	817681	695422	14.95
					Average %D	15.92

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/08/2013 **Instrument ID:** GC-R

Data File: R9837.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	212756	11.06
Aroclor-1016 {2}	4.05	3.98	4.12	319375	282922	11.41
Aroclor-1016 {3}	4.60	4.53	4.67	412042	356350	13.52
Aroclor-1016 {4}	5.11	5.04	5.18	188306	169840	9.81
Aroclor-1016 {5}	5.51	5.43	5.57	320668	273734	14.64
Aroclor-1260	8.30	7.39	9.19	856226	731900	14.52
Aroclor-1260 {2}	8.97	8.07	9.87	396070	342479	13.53
Aroclor-1260 {3}	9.45	8.55	10.35	943244	831208	11.88
Aroclor-1260 {4}	9.94	9.03	10.83	506728	441371	12.90
Aroclor-1260 {5}	11.00	10.09	11.89	205649	201065	2.23
					Average %D	11.55

Data File: R9837.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.42	3.36	3.50	272103	244229	10.24
Aroclor-1016 {2}	3.99	3.93	4.07	539339	449752	16.61
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1037823	14.54
Aroclor-1016 {4}	4.92	4.85	4.99	490143	427379	12.81
Aroclor-1016 {5}	5.09	5.02	5.16	388431	325542	16.19
Aroclor-1260	7.41	6.52	8.32	453548	356195	21.46
Aroclor-1260 {2}	7.66	6.77	8.57	660597	509122	22.93
Aroclor-1260 {3}	9.24	8.35	10.15	553687	443264	19.94
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	953146	16.97
Aroclor-1260 {5}	10.34	9.45	11.25	817681	695422	14.95
					Average %D	16.67

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/08/2013 **Instrument ID:** GC-R

Data File: R9848.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	251291	5.05
Aroclor-1016 {2}	4.05	3.98	4.12	319375	330671	3.54
Aroclor-1016 {3}	4.60	4.53	4.67	412042	421577	2.31
Aroclor-1016 {4}	5.11	5.04	5.18	188306	198951	5.65
Aroclor-1016 {5}	5.51	5.43	5.57	320668	323157	0.78
Aroclor-1260	8.30	7.39	9.19	856226	870929	1.72
Aroclor-1260 {2}	8.97	8.07	9.87	396070	410853	3.73
Aroclor-1260 {3}	9.45	8.55	10.35	943244	996916	5.69
Aroclor-1260 {4}	9.94	9.03	10.83	506728	529152	4.43
Aroclor-1260 {5}	11.00	10.09	11.89	205649	221671	7.79
					Average %D	4.07

Data File: R9848.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.42	3.36	3.50	272103	290063	6.60
Aroclor-1016 {2}	3.99	3.93	4.07	539339	535508	0.71
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1231673	1.42
Aroclor-1016 {4}	4.92	4.85	4.99	490143	505185	3.07
Aroclor-1016 {5}	5.09	5.02	5.16	388431	393613	1.33
Aroclor-1260	7.41	6.52	8.32	453548	422206	6.91
Aroclor-1260 {2}	7.66	6.77	8.57	660597	608041	7.96
Aroclor-1260 {3}	9.25	8.35	10.15	553687	539981	2.48
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1151044	0.27
Aroclor-1260 {5}	10.34	9.45	11.25	817681	839238	2.64
					Average %D	3.34

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/08/2013 **Instrument ID:** GC-R

Data File: R9850.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	257950	7.84
Aroclor-1016 {2}	4.05	3.98	4.12	319375	343271	7.48
Aroclor-1016 {3}	4.60	4.53	4.67	412042	440921	7.01
Aroclor-1016 {4}	5.11	5.04	5.18	188306	206387	9.60
Aroclor-1016 {5}	5.51	5.43	5.57	320668	341394	6.46
Aroclor-1260	8.30	7.39	9.19	856226	957733	11.86
Aroclor-1260 {2}	8.97	8.07	9.87	396070	453669	14.54
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1109871	17.67
Aroclor-1260 {4}	9.93	9.03	10.83	506728	591371	16.70
Aroclor-1260 {5}	11.00	10.09	11.89	205649	244332	18.81
					Average %D	11.80

Data File: R9850.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.42	3.36	3.50	272103	297025	9.16
Aroclor-1016 {2}	3.99	3.93	4.07	539339	554838	2.87
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1288454	6.09
Aroclor-1016 {4}	4.92	4.85	4.99	490143	527568	7.64
Aroclor-1016 {5}	5.09	5.02	5.16	388431	411830	6.02
Aroclor-1260	7.41	6.52	8.32	453548	455673	0.47
Aroclor-1260 {2}	7.66	6.77	8.57	660597	659571	0.16
Aroclor-1260 {3}	9.24	8.35	10.15	553687	598709	8.13
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1279535	11.46
Aroclor-1260 {5}	10.34	9.45	11.25	817681	938423	14.77
					Average %D	6.68

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/09/2013 **Instrument ID:** GC-R

Data File: R9907.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	241668	1.03
Aroclor-1016 {2}	4.05	3.98	4.12	319375	320444	0.33
Aroclor-1016 {3}	4.60	4.53	4.67	412042	413912	0.45
Aroclor-1016 {4}	5.11	5.04	5.18	188306	193558	2.79
Aroclor-1016 {5}	5.51	5.43	5.57	320668	321814	0.36
Aroclor-1260	8.30	7.39	9.19	856226	922854	7.78
Aroclor-1260 {2}	8.98	8.07	9.87	396070	435808	10.03
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1066915	13.11
Aroclor-1260 {4}	9.94	9.03	10.83	506728	563542	11.21
Aroclor-1260 {5}	11.00	10.09	11.89	205649	226091	9.94
					Average %D	5.70

Data File: R9907.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.44	3.36	3.50	272103	283266	4.10
Aroclor-1016 {2}	4.01	3.93	4.07	539339	525528	2.56
Aroclor-1016 {3}	4.73	4.65	4.79	1214450	1218101	0.30
Aroclor-1016 {4}	4.93	4.85	4.99	490143	500429	2.10
Aroclor-1016 {5}	5.10	5.02	5.16	388431	390168	0.45
Aroclor-1260	7.42	6.52	8.32	453548	436253	3.81
Aroclor-1260 {2}	7.68	6.77	8.57	660597	630078	4.62
Aroclor-1260 {3}	9.26	8.35	10.15	553687	572723	3.44
Aroclor-1260 {4}	9.76	8.86	10.66	1147969	1237563	7.80
Aroclor-1260 {5}	10.35	9.45	11.25	817681	906019	10.80
					Average %D	4.00

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/09/2013 **Instrument ID:** GC-R

Data File: R9914.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	245328	2.56
Aroclor-1016 {2}	4.05	3.98	4.12	319375	324927	1.74
Aroclor-1016 {3}	4.60	4.53	4.67	412042	421085	2.19
Aroclor-1016 {4}	5.11	5.04	5.18	188306	194175	3.12
Aroclor-1016 {5}	5.51	5.43	5.57	320668	324845	1.30
Aroclor-1260	8.30	7.39	9.19	856226	936416	9.37
Aroclor-1260 {2}	8.98	8.07	9.87	396070	439319	10.92
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1083235	14.84
Aroclor-1260 {4}	9.93	9.03	10.83	506728	571046	12.69
Aroclor-1260 {5}	11.00	10.09	11.89	205649	245142	19.20
					Average %D	7.79

Data File: R9914.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.36	3.50	272103	283414	4.16
Aroclor-1016 {2}	3.99	3.93	4.07	539339	526908	2.30
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1228351	1.14
Aroclor-1016 {4}	4.92	4.85	4.99	490143	502373	2.50
Aroclor-1016 {5}	5.09	5.02	5.16	388431	390499	0.53
Aroclor-1260	7.41	6.52	8.32	453548	441255	2.71
Aroclor-1260 {2}	7.66	6.77	8.57	660597	637002	3.57
Aroclor-1260 {3}	9.25	8.35	10.15	553687	577212	4.25
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1250668	8.95
Aroclor-1260 {5}	10.34	9.45	11.25	817681	930989	13.86
					Average %D	4.40

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/08/2013 **Instrument ID:** GC-R

Data File: R9869.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	249160	4.16
Aroclor-1016 {2}	4.05	3.98	4.12	319375	326533	2.24
Aroclor-1016 {3}	4.60	4.53	4.67	412042	416537	1.09
Aroclor-1016 {4}	5.11	5.04	5.18	188306	197595	4.93
Aroclor-1016 {5}	5.51	5.43	5.57	320668	321734	0.33
Aroclor-1260	8.30	7.39	9.19	856226	903781	5.55
Aroclor-1260 {2}	8.98	8.07	9.87	396070	427312	7.89
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1045097	10.80
Aroclor-1260 {4}	9.94	9.03	10.83	506728	555098	9.55
Aroclor-1260 {5}	11.00	10.09	11.89	205649	229931	11.81
					Average %D	5.84

Data File: R9869.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.36	3.50	272103	290694	6.83
Aroclor-1016 {2}	3.99	3.93	4.07	539339	536341	0.56
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1242099	2.28
Aroclor-1016 {4}	4.92	4.85	4.99	490143	509593	3.97
Aroclor-1016 {5}	5.09	5.02	5.16	388431	396724	2.14
Aroclor-1260	7.41	6.52	8.32	453548	439652	3.06
Aroclor-1260 {2}	7.66	6.77	8.57	660597	636217	3.69
Aroclor-1260 {3}	9.25	8.35	10.15	553687	575502	3.94
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1234105	7.50
Aroclor-1260 {5}	10.34	9.45	11.25	817681	900128	10.08
					Average %D	4.40

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/09/2013 **Instrument ID:** GC-R

Data File: R9881.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.15	3.29	239203	221604	7.36
Aroclor-1016 {2}	4.05	3.98	4.12	319375	294365	7.83
Aroclor-1016 {3}	4.60	4.53	4.67	412042	376175	8.70
Aroclor-1016 {4}	5.11	5.04	5.18	188306	177371	5.81
Aroclor-1016 {5}	5.51	5.43	5.57	320668	295251	7.93
Aroclor-1260	8.30	7.39	9.19	856226	860101	0.45
Aroclor-1260 {2}	8.98	8.07	9.87	396070	406152	2.55
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1006285	6.68
Aroclor-1260 {4}	9.94	9.03	10.83	506728	534932	5.57
Aroclor-1260 {5}	11.00	10.09	11.89	205649	225220	9.52
					Average %D	6.24

Data File: R9881.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.36	3.50	272103	256807	5.62
Aroclor-1016 {2}	3.99	3.93	4.07	539339	476343	11.68
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1117377	7.99
Aroclor-1016 {4}	4.92	4.85	4.99	490143	462023	5.74
Aroclor-1016 {5}	5.09	5.02	5.16	388431	351738	9.45
Aroclor-1260	7.41	6.52	8.32	453548	413414	8.85
Aroclor-1260 {2}	7.66	6.77	8.57	660597	599966	9.18
Aroclor-1260 {3}	9.24	8.35	10.15	553687	542151	2.08
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1199730	4.51
Aroclor-1260 {5}	10.34	9.45	11.25	817681	879533	7.56
					Average %D	7.27

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 2.75 **DCB 1** 12.10 **TCMX 2** 2.60 **DCB 2** 12.02

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS130430-16	05/07/2013	06:02	2.75		12.10		2.60		12.02	
PCB	LCSS130430-16	05/07/2013	06:20	2.75		12.10		2.60		12.02	
BASF-C-042	03885-032	05/07/2013	06:37	2.76		12.10		2.60		12.02	
BASF-C-042	03885-033	05/07/2013	06:54	2.76		12.10		2.61		12.02	
BASF-C-042	03885-034	05/07/2013	07:12	2.76		12.10		2.60		12.02	
002	03886-002	05/07/2013	07:29	2.76		12.10		2.60		12.02	
003	03886-003	05/07/2013	07:47	2.76		12.10		2.60		12.02	
Q-39E_(6.0	03912-002	05/07/2013	08:22	2.75		12.10		2.60		12.02	
R-40W_(6.0	03912-005	05/07/2013	09:14	2.75		12.10		2.60		12.02	
Q-41N_(8.0	03912-013	05/07/2013	11:34	2.76		12.10		2.61		12.02	
Q-39S_(2.0	03912-014	05/07/2013	11:51	2.76		12.10		2.60		12.02	
Q-39S_(4.0	03912-015	05/07/2013	12:08	0.00	D	0.00	D	0.00	D	0.00	D
PCB	03912-015MS	05/07/2013	12:26	0.00	D	0.00	D	0.00	D	0.00	D
PCB	03912-015MSD	05/07/2013	12:43	0.00	D	0.00	D	0.00	D	0.00	D
Q-41E_(8.0	03912-007	05/08/2013	06:08	2.76		12.10		2.60		12.02	
Q-39E_(4.0	03912-001	05/08/2013	06:25	0.00	D	0.00	D	0.00	D	0.00	D
R-40W_(4.0	03912-004	05/08/2013	06:43	0.00	D	0.00	D	0.00	D	0.00	D
Q-41E_(2.0	03912-006	05/08/2013	07:00	0.00	D	0.00	D	0.00	D	0.00	D
Q-42E_(4.0	03912-008	05/08/2013	07:18	0.00	D	0.00	D	0.00	D	0.00	D
Q-43N_(2.0	03912-009	05/08/2013	07:35	2.76		12.10		2.61		12.02	
Q-41S_(2.0	03912-010	05/08/2013	07:53	0.00	D	0.00	D	0.00	D	0.00	D
Q-41N_(4.0	03912-012	05/08/2013	14:18	0.00	D	0.00	D	0.00	D	0.00	D
Q-41S_(8.0	03912-011	05/09/2013	12:23	2.76		12.10		2.60		12.02	
R-40W_(2.0	03912-003	05/09/2013	12:40	0.00	D	0.00	D	0.00	D	0.00	D

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1	2.76	DCB 1	12.10	TCMX 2	2.60	DCB 2	12.02

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS130430-17	05/07/2013	00:14	2.76		12.10		2.60		12.02	
Q-39N_(2.0	03912-018	05/07/2013	01:06	0.00	D	0.00	D	0.00	D	0.00	D
Q-39N_(6.0	03912-020	05/07/2013	01:41	2.76		12.10		2.60		12.02	
Q-38W_(0-2	03912-022	05/07/2013	02:16	0.00	D	0.00	D	0.00	D	0.00	D
P-40E_(4.0	03912-024	05/07/2013	02:51	2.76		12.10		2.60		12.02	
Q-41W_(8.0	03912-025	05/07/2013	03:08	2.75		12.10		2.60		12.02	
PCB	03912-025MS	05/07/2013	03:25	2.75		12.10		2.60		12.02	
PCB	03912-025MSD	05/07/2013	03:43	2.75		12.10		2.60		12.02	
PCB	LCSS130430-17	05/07/2013	04:35	2.75		12.10		2.60		12.02	
Q-39S_(6.0	03912-016	05/08/2013	08:28	0.00	D	0.00	D	0.00	D	0.00	D
Q-39N_(0-2	03912-017	05/08/2013	08:45	2.76		12.10		2.61		12.02	
Q-39N_(4.0	03912-019	05/08/2013	09:03	0.00	D	0.00	D	0.00	D	0.00	D
Q-38N_(0-2	03912-021	05/08/2013	09:20	0.00	D	0.00	D	0.00	D	0.00	D
Q-39W_(0-2	03912-023	05/08/2013	09:37	0.00	D	0.00	D	0.00	D	0.00	D

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

PCB RETENTION TIME SHIFT SUMMARY

Instrument ID: GC-R **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 2.76 **DCB 1** 12.10 **TCMX 2** 2.60 **DCB 2** 12.02

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKA130503-10	05/08/2013	22:55	2.76		12.10		2.60		12.02	
DRUM_#2	03869-002	05/08/2013	23:13	2.76		12.10		2.60		12.02	
FB-79	03912-026	05/08/2013	23:30	2.76		12.10		2.60		12.02	
PCB	LCSA130503-10	05/08/2013	23:48	2.76		12.10		2.60		12.02	

Surrogate QC Limits

TCMX = Tetrachloro-m-xylene (± 0.10 Minutes)

DCB = Decachlorobiphenyl (± 0.10 Minutes)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out
M Matrix interference

PCB SAMPLE DATA

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9825.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 6:25
Operator : JS
Sample : Q-39E_(4.0,03912-001,S,5.00g,30.1,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,500
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:18:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
33) L8 Aroclor-1260	8.30	7.41	132.2E6	128.7E6	154.392	283.870	#
34) L8 Aroclor-1260 {2}	8.98	7.66	117.3E6	152.8E6	296.204	231.348	
35) L8 Aroclor-1260 {3}	9.45	9.25	324.9E6	167.3E6	344.462	302.080	
36) L8 Aroclor-1260 {4}	9.94	9.75	126.0E6	363.2E6	248.668	316.347	#
37) L8 Aroclor-1260 {5}	11.00	10.33	93537126	262.9E6	454.838	321.546	#
Sum Aroclor-1260			794.0E6	1074.9E6	1498.564	1455.190	
Average Aroclor-1260					299.713	291.038	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

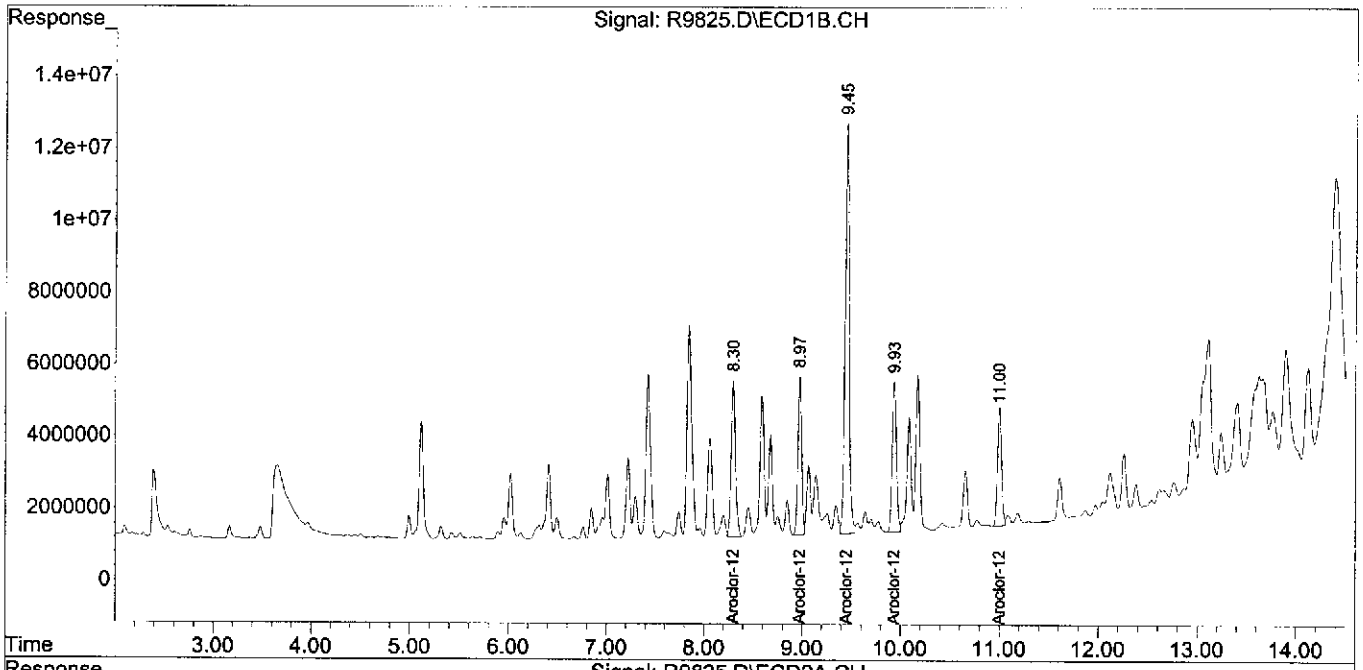
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

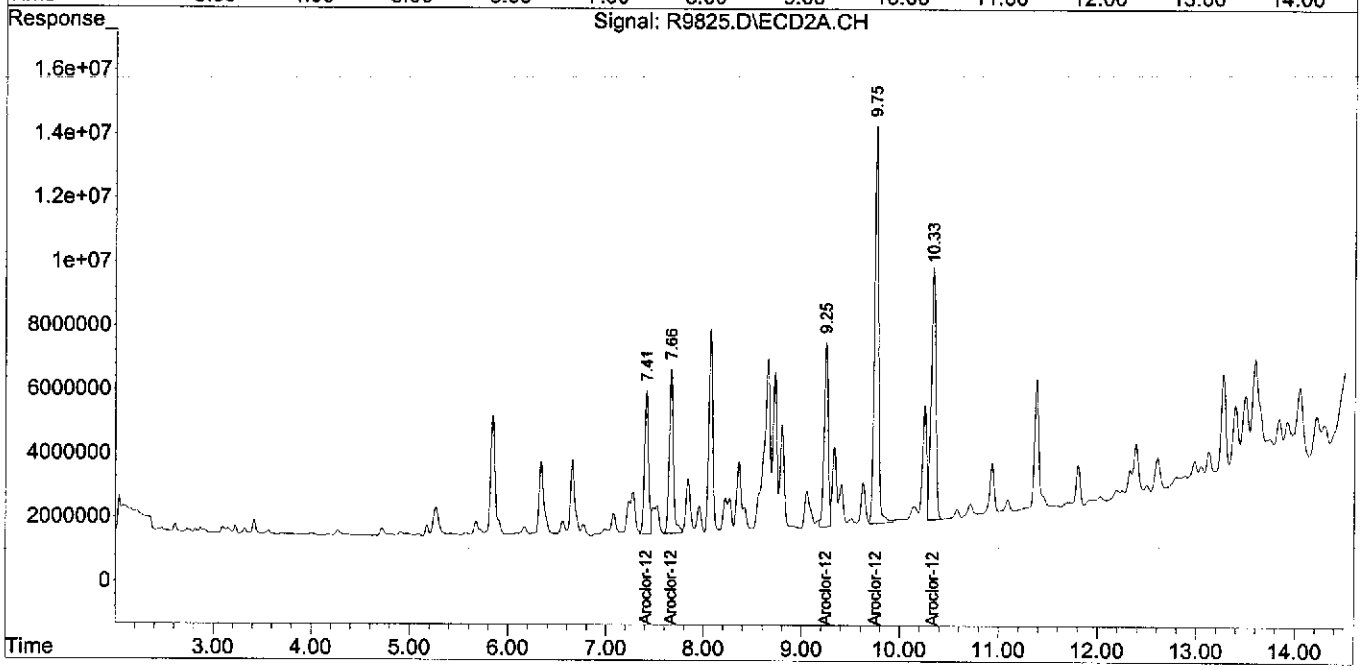
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9825.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 6:25
Operator : JS
Sample : Q-39E_(4.0,03912-001,S,5.00g,30.1,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,500
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:18:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9765.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 8:22
Operator : JS
Sample : Q-39E_(6.0,03912-002,S,5.44g,65.9,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:00:53 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.75	2.60	2106.1E6	2289.6E6	156.220	151.198
Spiked Amount 200.000			Recovery	=	78.11%	75.60%
2) S DCB	12.10	12.02	592.7E6	859.5E6	194.737m	248.622m#
Spiked Amount 200.000			Recovery	=	97.37%	124.31%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	7.42	388.4E6	262.6E6	453.648	578.913 #
34) L8 Aroclor-1260 {2}	8.98	7.67	491.1E6	458.4E6	1239.831	693.846 #
35) L8 Aroclor-1260 {3}	9.45	9.25	1230.8E6	687.5E6	1304.857	1241.641
36) L8 Aroclor-1260 {4}	9.94	9.75	592.3E6	1203.2E6	1168.777	1048.101
37) L8 Aroclor-1260 {5}	11.00	10.34	334.0E6	964.6E6	1623.949m	1179.674 #
Sum Aroclor-1260			3036.5E6	3576.2E6	5791.062	4742.175
Average Aroclor-1260					1158.212	948.435
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

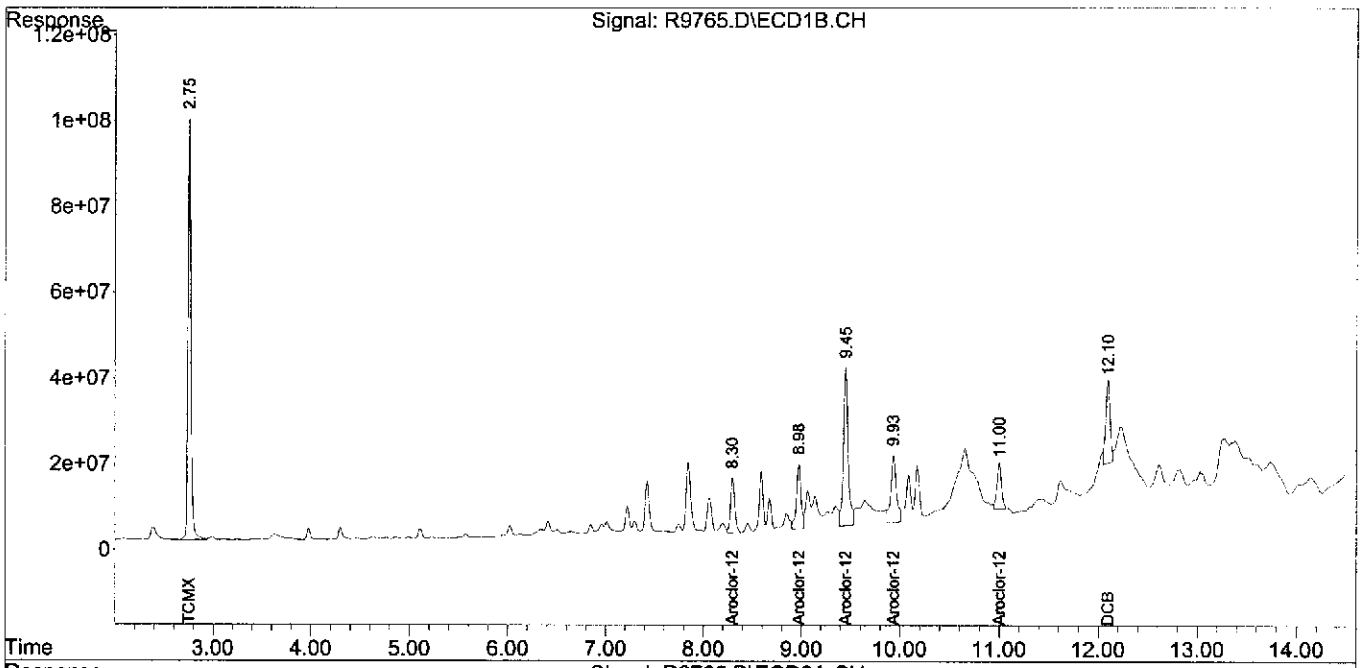
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

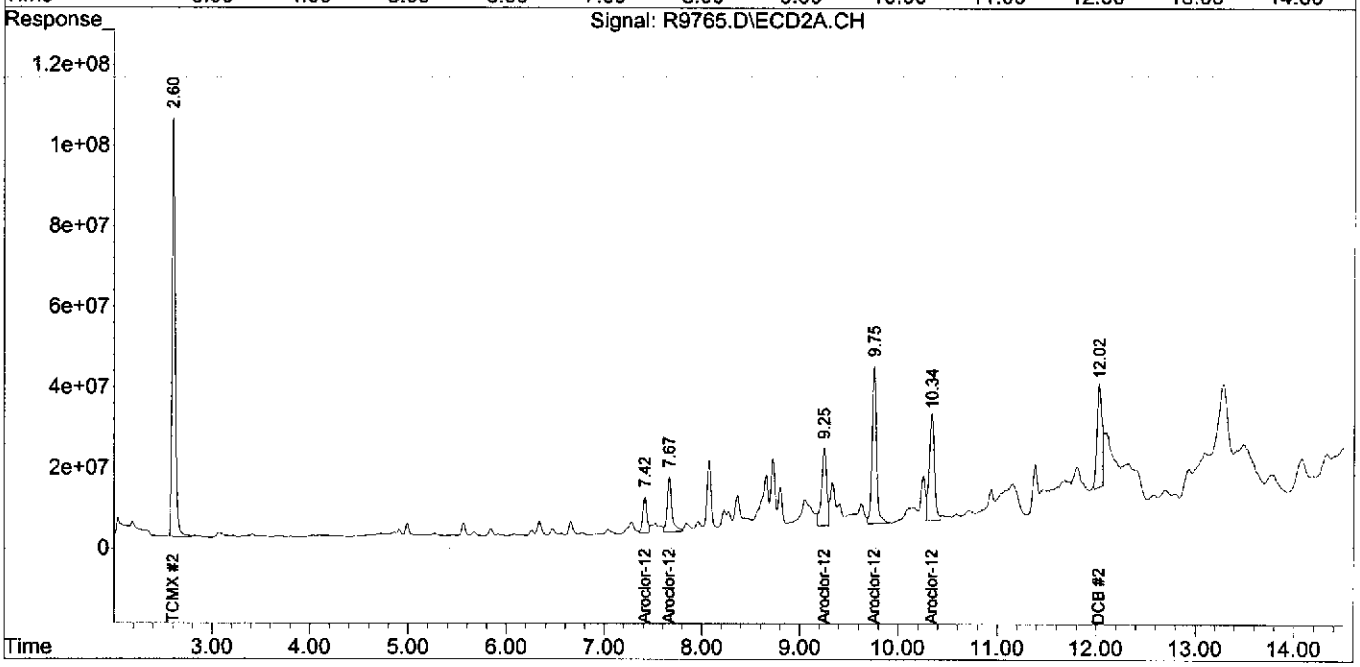
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9765.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 8:22
Operator : JS
Sample : Q-39E_(6.0,03912-002,S,5.44g,65.9,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:00:53 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9909.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 12:40
Operator : JS
Sample : R-40W_(2.0,03912-003,S,5.07g,39.8,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,200
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 16:53:37 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
28) L7 Aroclor-1254	6.41	6.65	332.2E6	441.3E6	572.946	601.618	
29) L7 Aroclor-1254 {2}	6.84	7.23	127.9E6	140.4E6	342.280	247.785	#
30) L7 Aroclor-1254 {3}	7.01	7.66	290.2E6	769.2E6	430.261	2059.567	#
31) L7 Aroclor-1254 {4}	7.42	7.84	825.5E6	259.7E6	1145.086	461.620	#
32) L7 Aroclor-1254 {5}	8.30	8.65	885.6E6	980.0E6	1420.912	1326.825m	
Sum Aroclor-1254			2461.4E6	2590.6E6	3911.485	4697.416	
Average Aroclor-1254					782.297	939.483	
33) L8 Aroclor-1260	8.30	7.41	885.6E6	580.6E6	1034.354	1280.147	
34) L8 Aroclor-1260 {2}	8.97	7.66	674.1E6	769.2E6	1701.971	1164.471	#
35) L8 Aroclor-1260 {3}	9.45	9.24	1817.4E6	954.4E6	1926.758	1723.648	
36) L8 Aroclor-1260 {4}	9.93	9.75	731.0E6	2172.1E6	1442.551	1892.135	#
37) L8 Aroclor-1260 {5}	11.00	10.33	461.9E6	1564.4E6	2246.216	1913.181	
Sum Aroclor-1260			4570.1E6	6040.7E6	8351.851	7973.583	
Average Aroclor-1260					1670.370	1594.717	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

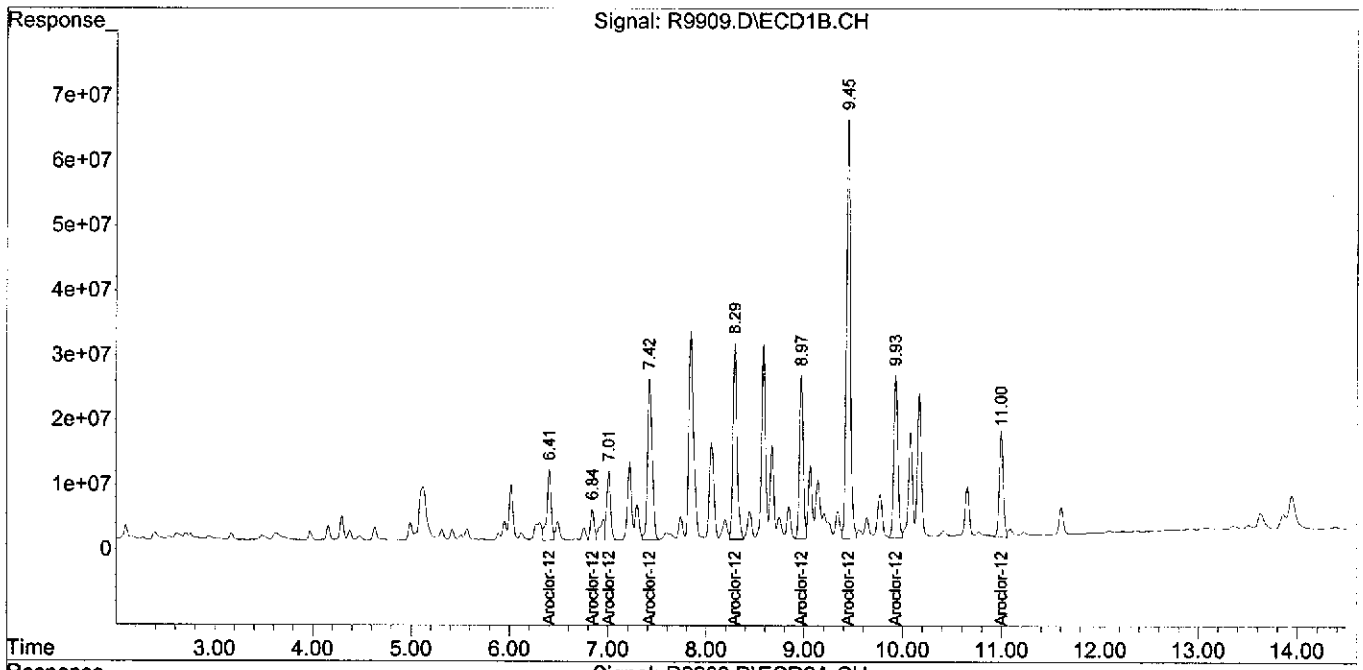
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

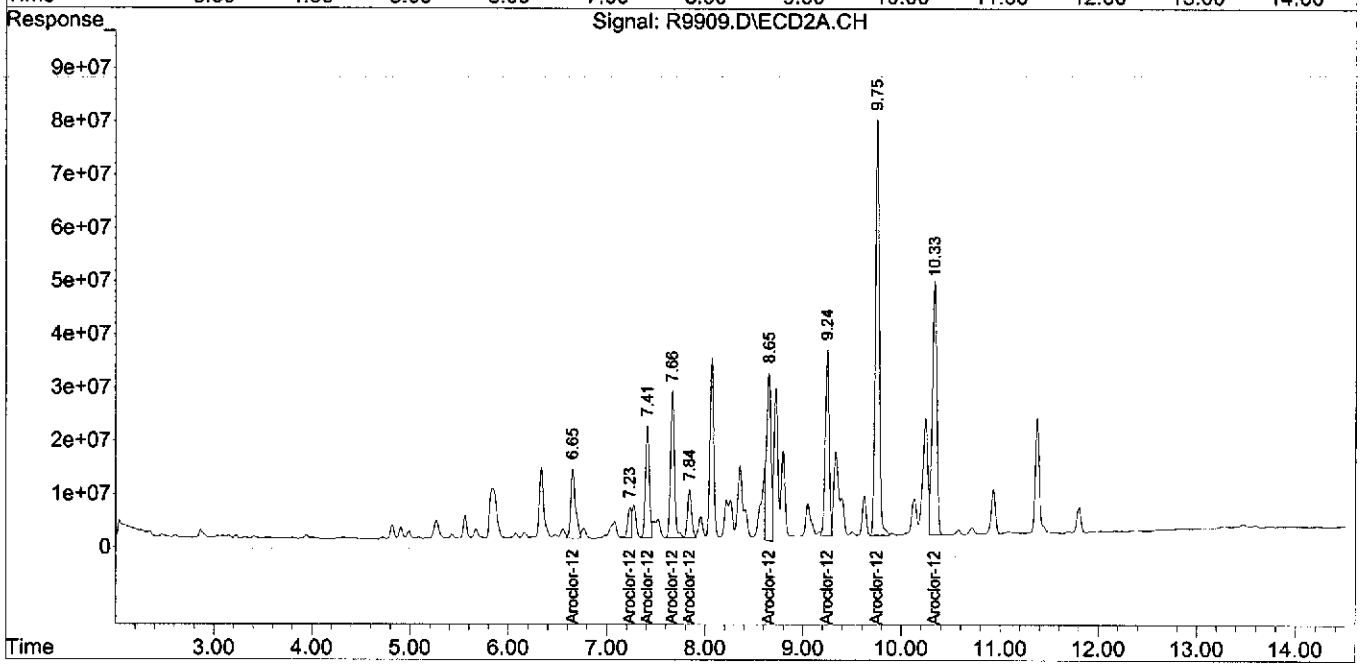
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9909.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 12:40
Operator : JS
Sample : R-40W_(2.0,03912-003,S,5.07g,39.8,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,200
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 16:53:37 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9826.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 6:43
Operator : JS
Sample : R-40W_(4.0,03912-004,S,5.01g,27.5,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,500
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:20:26 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
28) L7 Aroclor-1254	6.41	6.65	307.3E6	330.4E6	530.071	450.391
29) L7 Aroclor-1254 {2}	6.84	7.23	151.9E6	299.8E6	406.437	529.302 #
30) L7 Aroclor-1254 {3}	7.01	7.66	352.4E6	369.7E6	522.483	989.911 #
31) L7 Aroclor-1254 {4}	7.43	7.84	543.0E6	293.6E6	753.266	521.888 #
32) L7 Aroclor-1254 {5}	8.30	8.65	398.2E6	535.5E6	638.845	724.915m
Sum Aroclor-1254			1752.8E6	1829.0E6	2851.102	3216.407
Average Aroclor-1254					570.220	643.281
33) L8 Aroclor-1260	8.30	0.00	398.2E6	0	465.048	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.66	260.7E6	369.7E6	658.248	559.692
35) L8 Aroclor-1260 {3}	9.45	9.25	668.9E6	407.7E6	709.118	736.268
36) L8 Aroclor-1260 {4}	9.94	9.75	295.8E6	696.5E6	583.807	606.698
37) L8 Aroclor-1260 {5}	11.00	10.33	190.3E6	532.4E6	925.368	651.088 #
Sum Aroclor-1260			1813.9E6	2006.2E6	3341.589	2553.745
Average Aroclor-1260					668.318	638.436
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

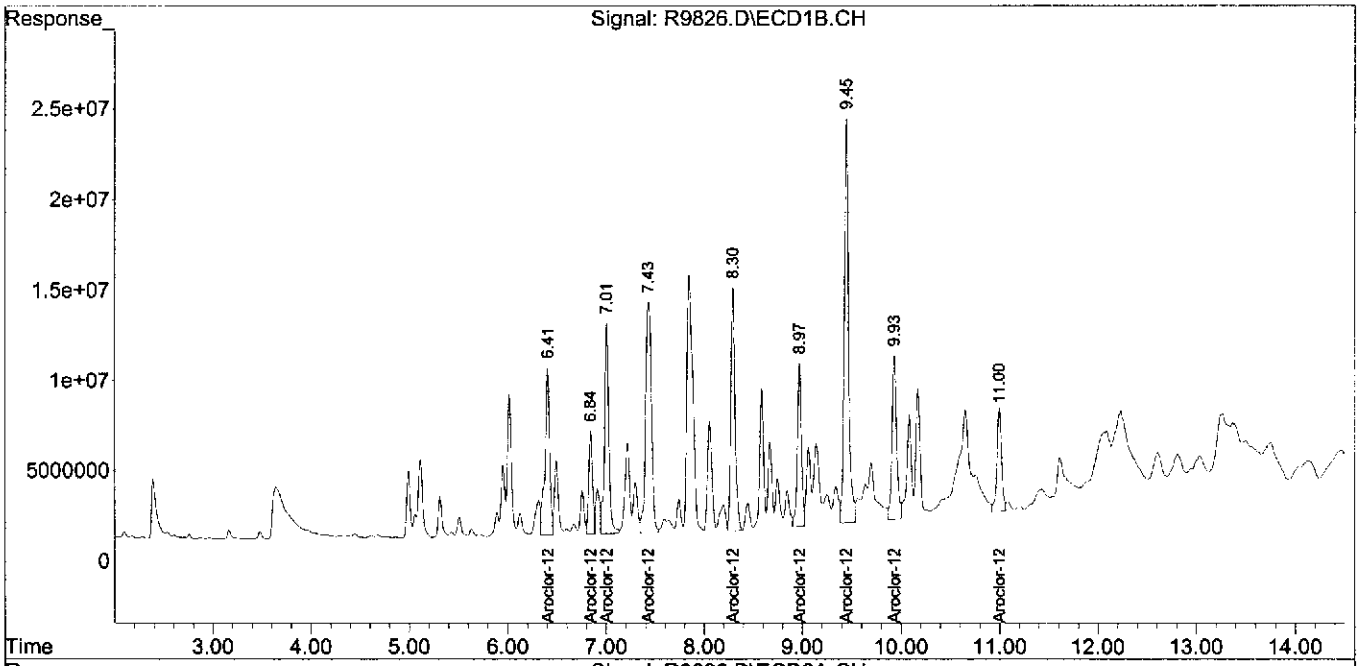
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

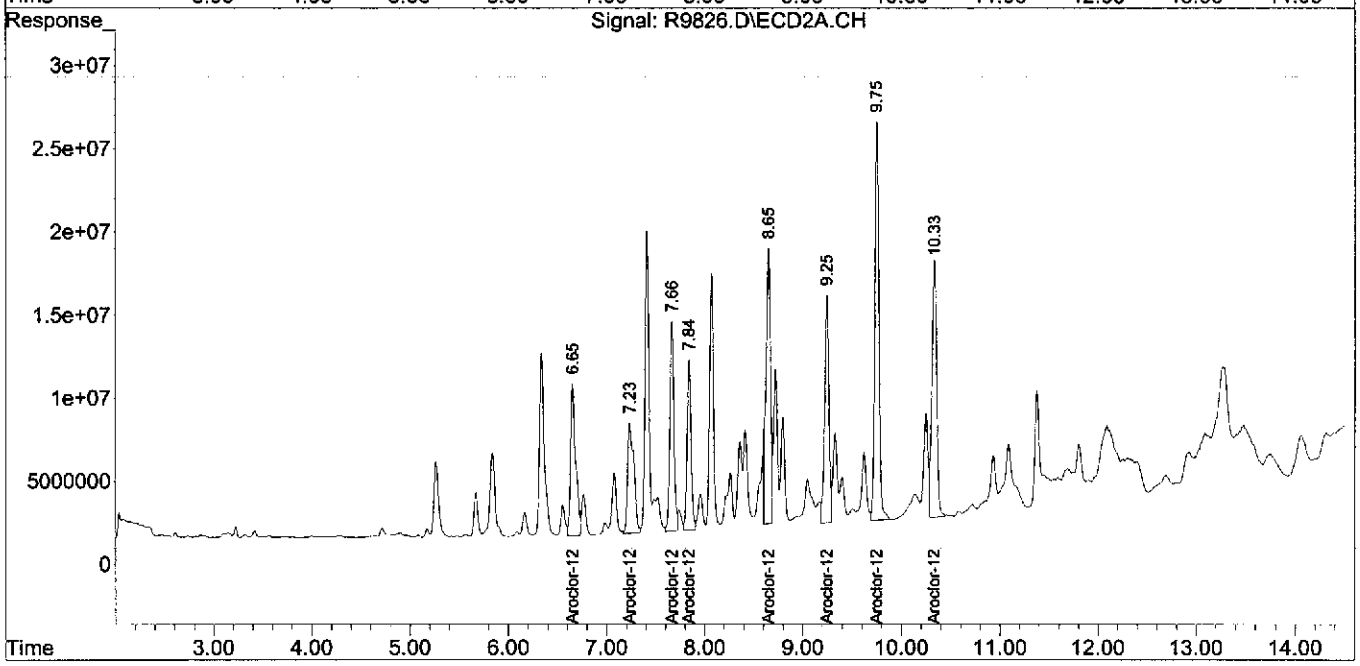
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9826.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 6:43
Operator : JS
Sample : R-40W_(4.0,03912-004,S,5.01g,27.5,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,500
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:20:26 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9768.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 9:14
Operator : JS
Sample : R-40W_(6.0,03912-005,S,5.57g,41.8,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:04:10 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
1) S TCMX	2.75	2.60	1906.7E6	2167.1E6	141.429	143.113	
Spiked Amount 200.000			Recovery	=	70.71%	71.56%	
2) S DCB	12.10	12.02	479.1E6	598.0E6	157.405m	172.996m	
Spiked Amount 200.000			Recovery	=	78.70%	86.50%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
33) L8 Aroclor-1260	8.30	7.41	113.0E6	112.1E6	131.951	247.132	#
34) L8 Aroclor-1260 {2}	8.98	7.67	74174688	94570703	187.276	143.159	
35) L8 Aroclor-1260 {3}	9.45	9.25	194.9E6	103.4E6	206.666	186.780	
36) L8 Aroclor-1260 {4}	9.94	9.75	112.4E6	306.9E6	221.911	267.350	
37) L8 Aroclor-1260 {5}	11.00	10.34	57176825	158.4E6	278.031m	193.726	#
Sum Aroclor-1260			551.7E6	775.4E6	1025.835	1038.147	
Average Aroclor-1260					205.167	207.629	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

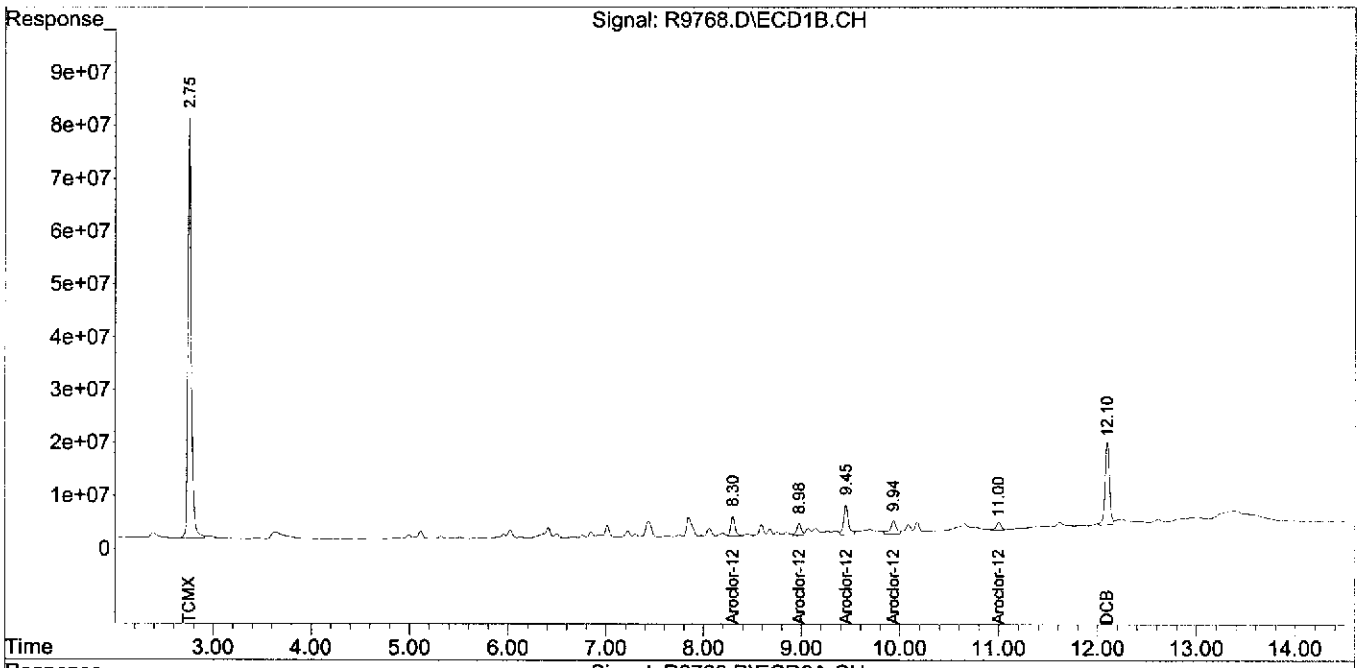
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

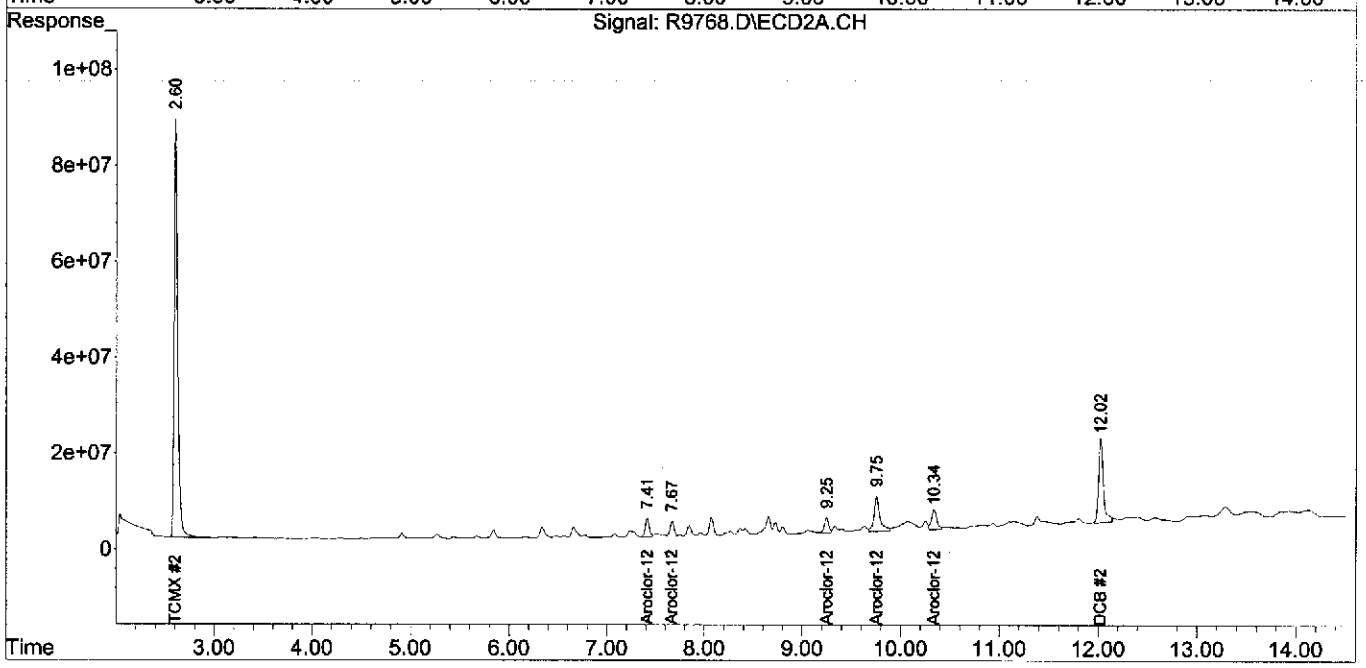
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9768.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 9:14
Operator : JS
Sample : R-40W_(6.0,03912-005,S,5.57g,41.8,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:04:10 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9827.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 7:00
Operator : JS
Sample : Q-41E_(2.0,03912-006,S,5.22g,39.6,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,400
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:21:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
28) L7 Aroclor-1254	6.41	6.65	218.3E6	284.2E6	376.476	387.523
29) L7 Aroclor-1254 {2}	6.84	7.23	130.5E6	228.3E6	349.277	402.967
30) L7 Aroclor-1254 {3}	7.01	7.66	261.1E6	134.2E6	387.038	359.177
31) L7 Aroclor-1254 {4}	7.45	7.84	285.6E6	254.7E6	396.190	452.789
32) L7 Aroclor-1254 {5}	8.30	8.65	219.3E6	291.9E6	351.843	395.225
Sum Aroclor-1254			1114.8E6	1193.3E6	1860.823	1997.681
Average Aroclor-1254					372.165	399.536
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

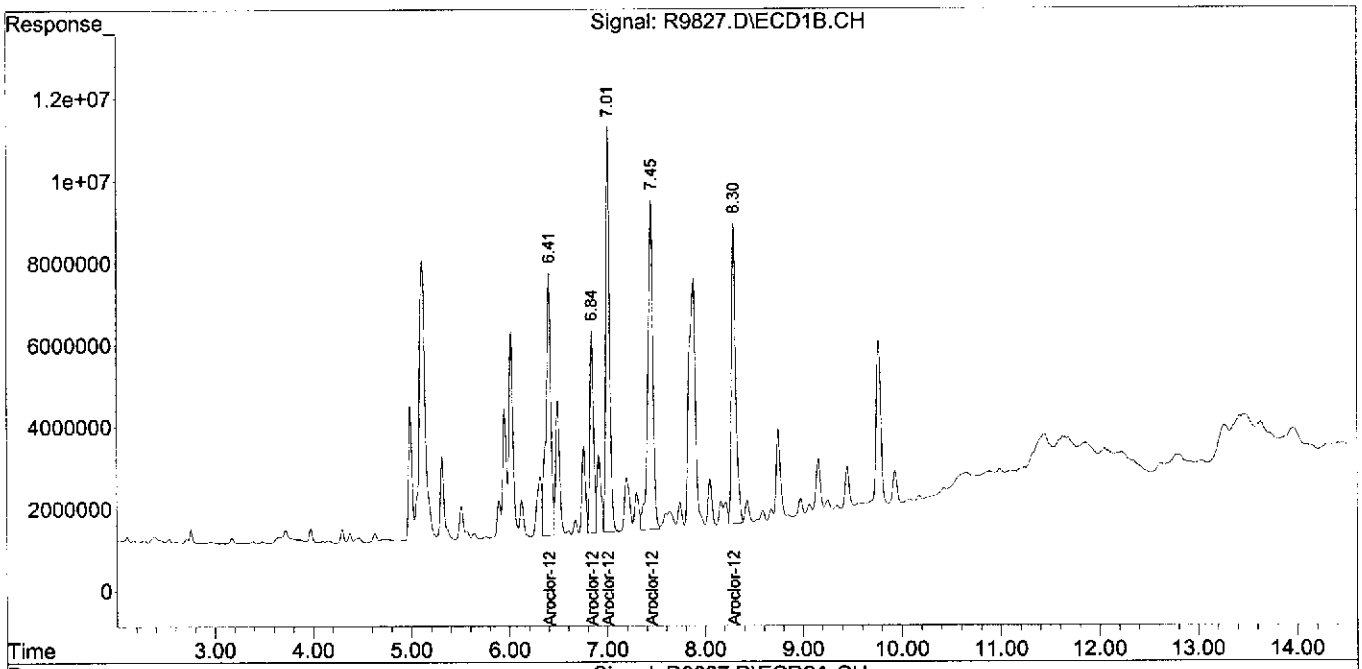
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

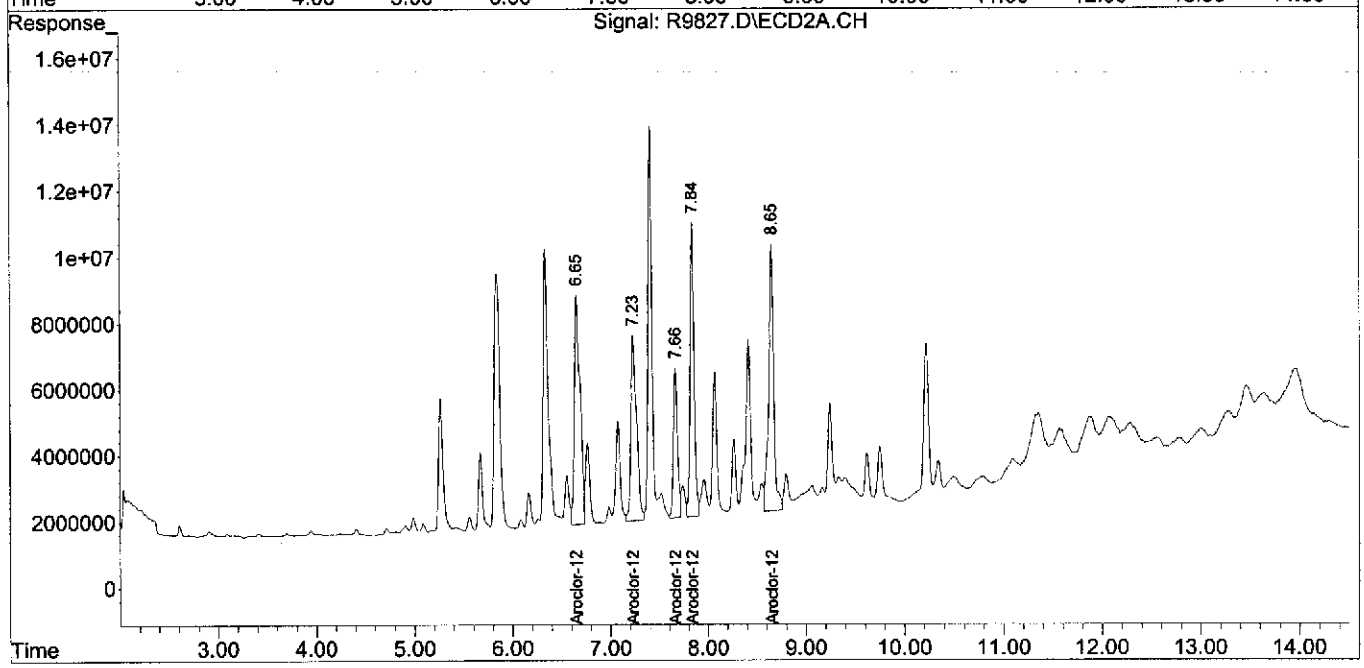
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9827.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 7:00
Operator : JS
Sample : Q-41E_(2.0,03912-006,S,5.22g,39.6,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,400
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:21:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9824.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 6:08
Operator : JS
Sample : Q-41E_(8.0,03912-007,S,5.53g,20.9,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:17:19 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.60	2017.9E6	2223.8E6	149.680	146.859
Spiked Amount 200.000			Recovery	=	74.84%	73.43%
2) S DCB	12.10	12.02	576.4E6	564.8E6	189.379	163.379
Spiked Amount 200.000			Recovery	=	94.69%	81.69%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	7.41	37303843	48145544	43.568	106.153 #
34) L8 Aroclor-1260 {2}	8.98	7.66	15467549	33588426	39.053	50.846 #
35) L8 Aroclor-1260 {3}	9.45	9.25	40289521	32867071	42.714	59.360 #
36) L8 Aroclor-1260 {4}	9.93	9.75	19468554	53409922	38.420	46.526
37) L8 Aroclor-1260 {5}	11.00	10.34	20291655	36200901	98.671	44.273 #
Sum Aroclor-1260			132.8E6	204.2E6	262.425	307.157
Average Aroclor-1260					52.485	61.431
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

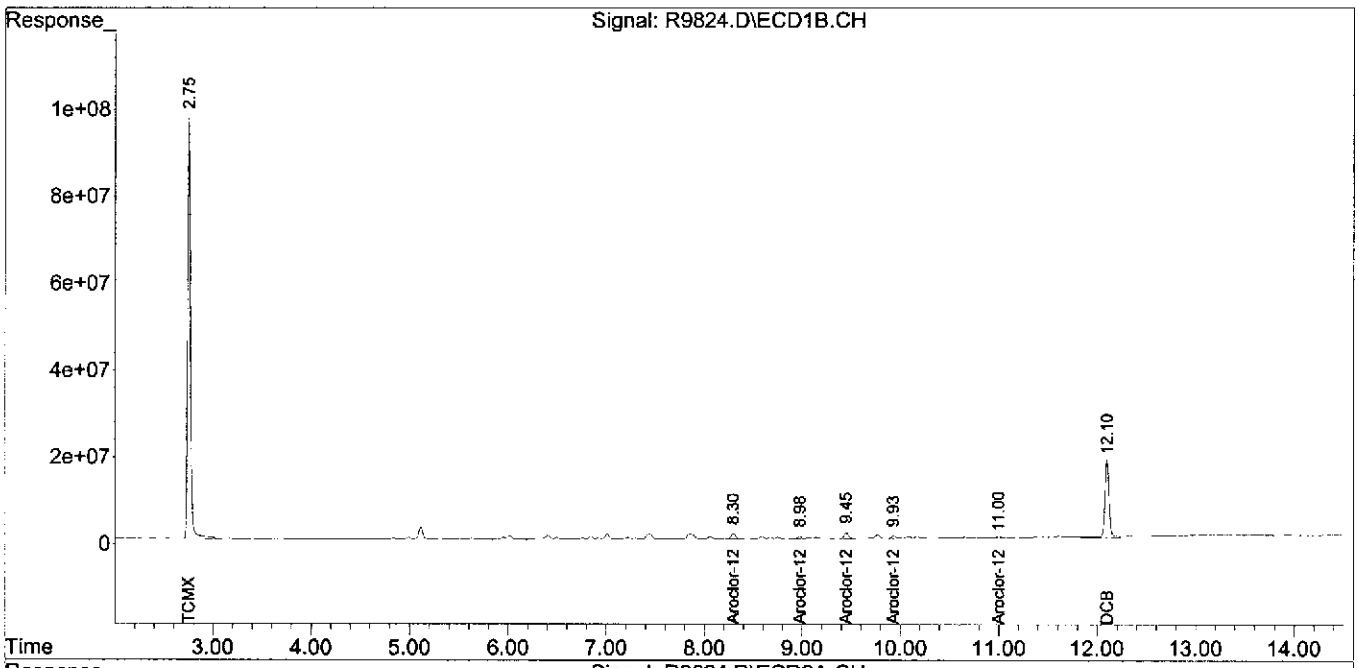
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

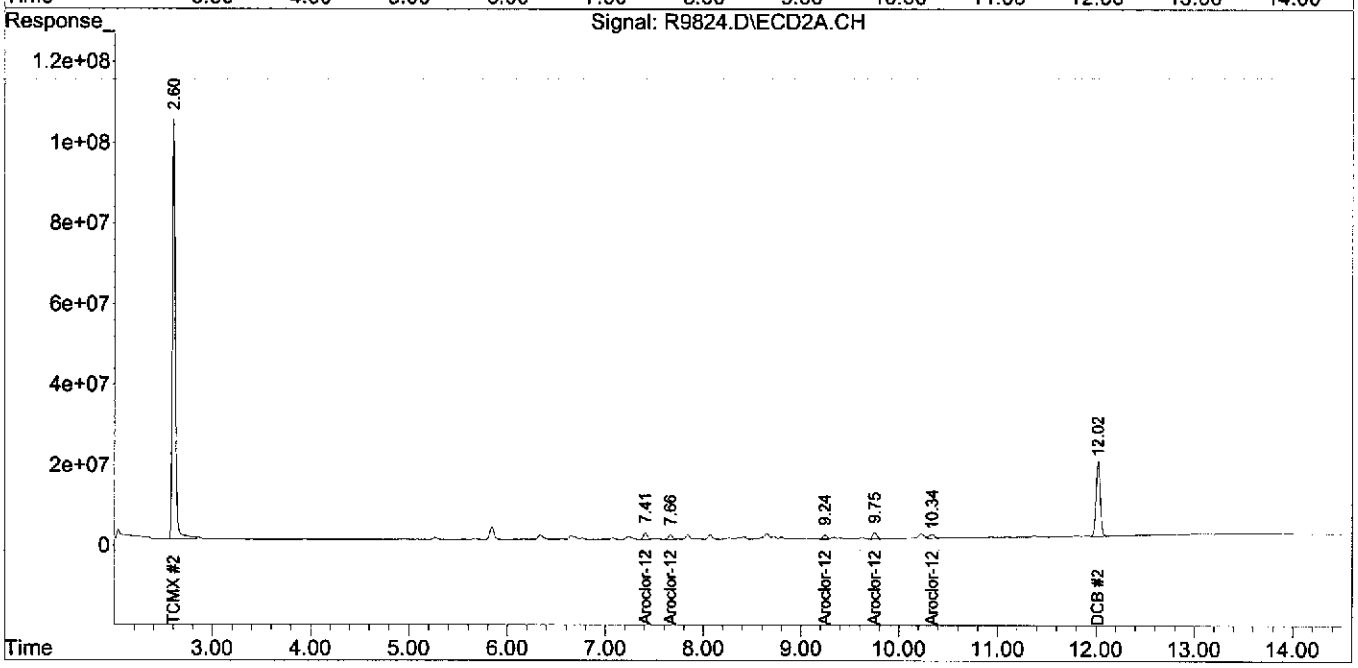
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9824.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 6:08
Operator : JS
Sample : Q-41E_(8.0,03912-007,S,5.53g,20.9,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:17:19 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9828.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 7:18
Operator : JS
Sample : Q-42E_(4.0,03912-008,S,5.14g,51.5,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,500
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:22:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
28) L7 Aroclor-1254	6.41	6.65	569.5E6	749.0E6	982.316	1021.146	
29) L7 Aroclor-1254 {2}	6.85	7.23	364.4E6	582.5E6	975.256	1028.366	
30) L7 Aroclor-1254 {3}	7.01	7.66	739.8E6	291.4E6	1096.708	780.241	#
31) L7 Aroclor-1254 {4}	7.45	7.84	816.3E6	674.7E6	1132.375	1199.224	
32) L7 Aroclor-1254 {5}	8.30	8.65	595.7E6	793.9E6	955.654	1074.828	
Sum Aroclor-1254			3085.7E6	3091.5E6	5142.309	5103.805	
Average Aroclor-1254					1028.462	1020.761	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

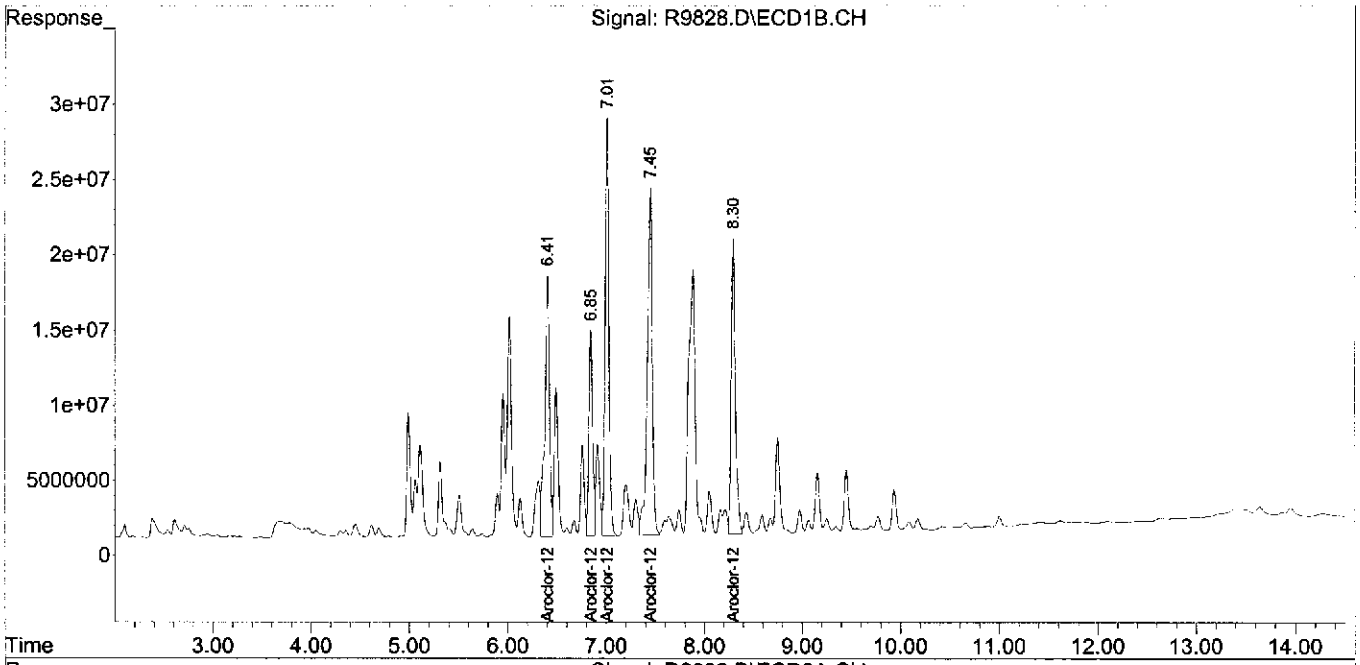
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

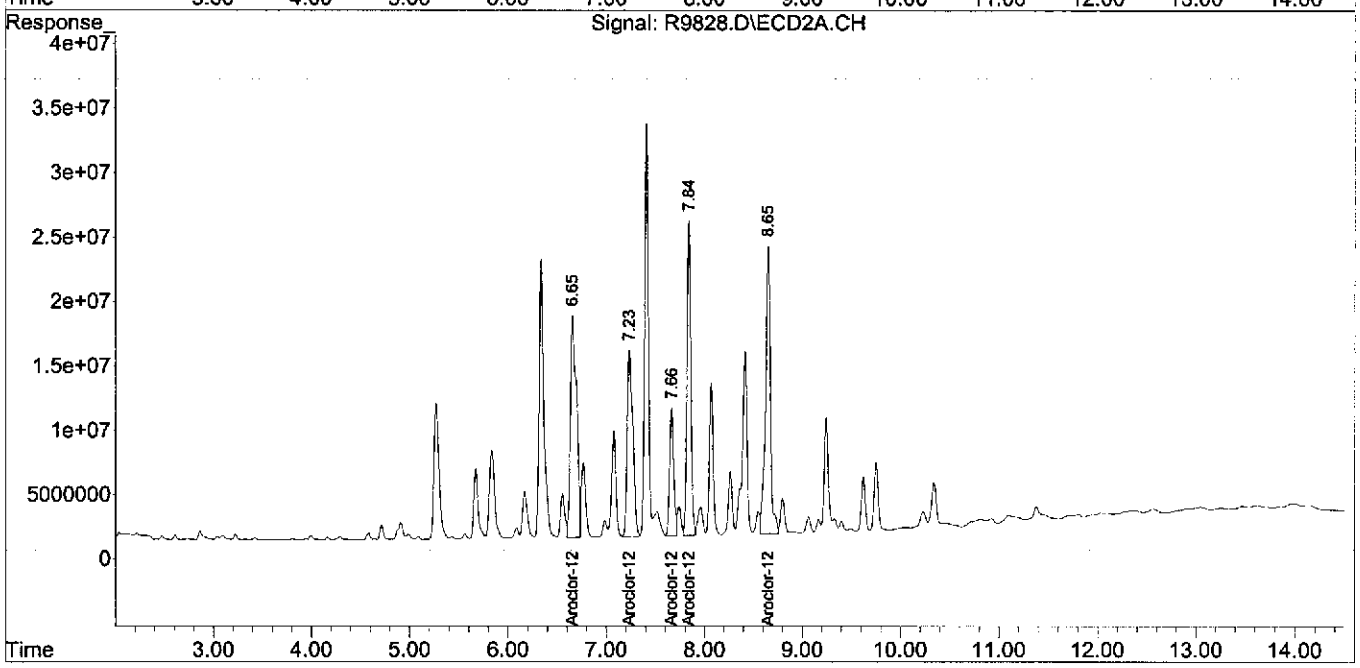
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9828.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 7:18
Operator : JS
Sample : Q-42E_(4.0,03912-008,S,5.14g,51.5,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,500
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:22:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9829.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 7:35
Operator : JS
Sample : Q-43N_(2.0,03912-009,S,5.27g,18.1,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,20
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:25:24 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
1) S TCMX	2.76	2.61	99565748	105.6E6	7.385	6.972	
Spiked Amount 200.000			Recovery	=	3.69%	3.49%	
2) S DCB	12.10	12.02	21773369	24500268	7.154m	7.087m	
Spiked Amount 200.000			Recovery	=	3.58%	3.54%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
23) L6 Aroclor-1248	4.46	4.71	189.6E6	216.6E6	408.682	400.251	
24) L6 Aroclor-1248 {2}	4.99	5.29	364.1E6	1381.0E6	1390.486	1744.242	#
25) L6 Aroclor-1248 {3}	5.31	5.67	269.4E6	519.3E6	797.443	910.818	
26) L6 Aroclor-1248 {4}	6.01	5.82	897.2E6	457.0E6	1759.395	956.068	#
27) L6 Aroclor-1248 {5}	6.29	6.17	299.5E6	186.5E6	729.788	658.929	
Sum Aroclor-1248			2019.9E6	2760.4E6	5085.792	4670.308	
Average Aroclor-1248					1017.158	934.062	
28) L7 Aroclor-1254	6.41	6.65	583.0E6	637.4E6	1005.636m	869.037	
29) L7 Aroclor-1254 {2}	6.84	7.23	450.0E6	702.8E6	1204.362	1240.742	
30) L7 Aroclor-1254 {3}	7.01	7.66	928.2E6	519.3E6	1376.052	1390.481	
31) L7 Aroclor-1254 {4}	7.45	7.84	1146.1E6	866.7E6	1589.788	1540.570	
32) L7 Aroclor-1254 {5}	8.30	8.65	1001.6E6	1153.1E6	1606.954	1561.093	
Sum Aroclor-1254			4109.0E6	3879.4E6	6782.792	6601.924	
Average Aroclor-1254					1356.558	1320.385	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9829.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 7:35
Operator : JS
Sample : Q-43N_(2.0,03912-009,S,5.27g,18.1,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,20
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:25:24 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

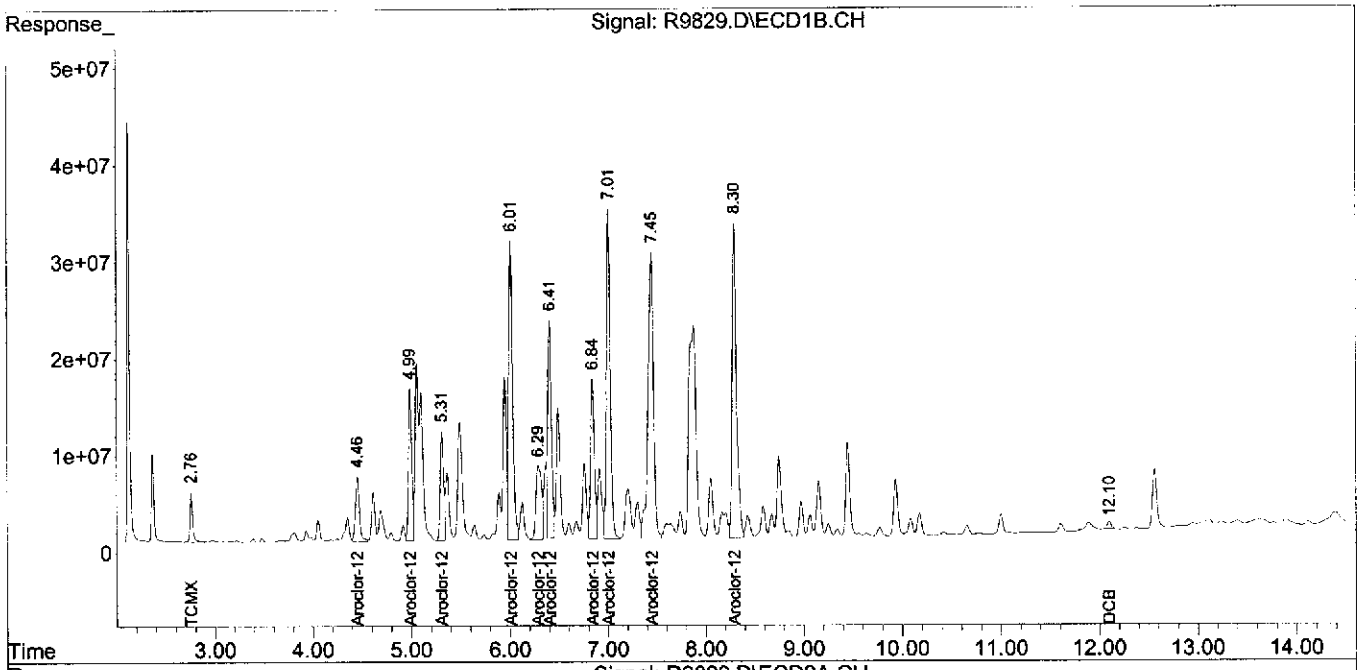
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

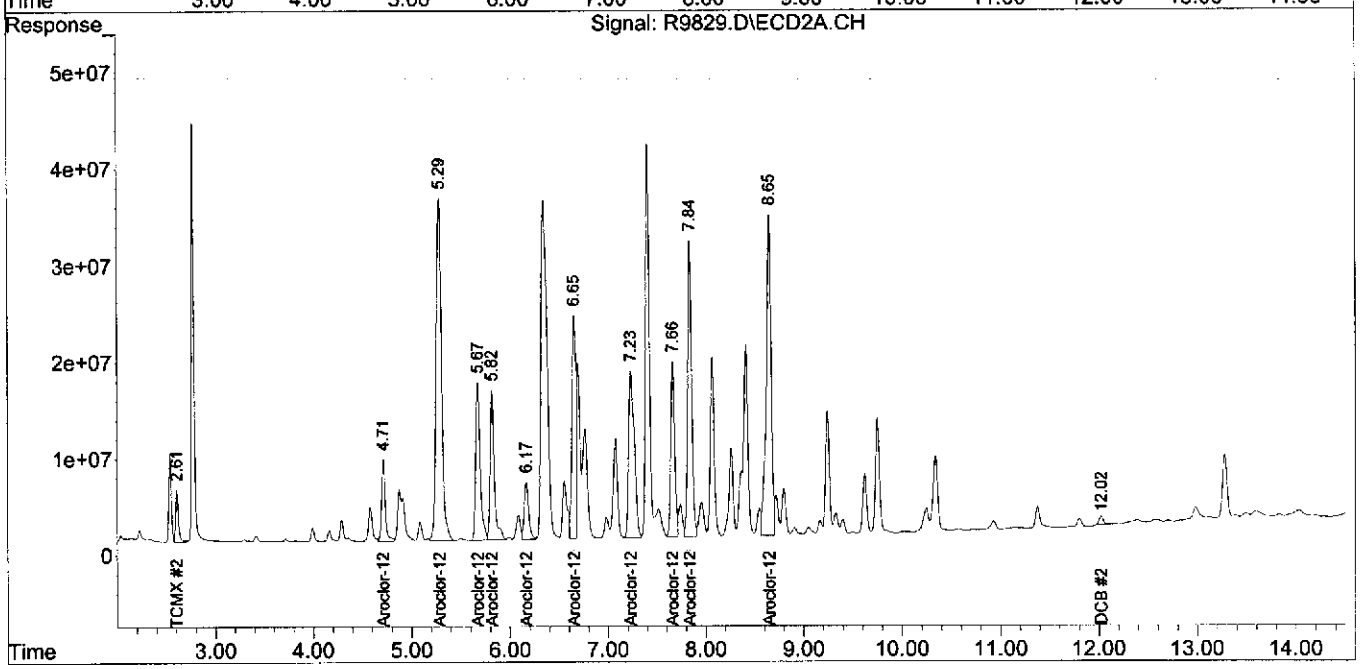
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9829.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 7:35
Operator : JS
Sample : Q-43N_(2.0,03912-009,S,5.27g,18.1,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,20
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:25:24 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9830.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 7:53
Operator : JS
Sample : Q-41S_(2.0,03912-010,S,5.47g,28.4,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,400
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:29:39 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
33) L8 Aroclor-1260	8.30	7.41	262.8E6	199.5E6	306.883	439.898	#
34) L8 Aroclor-1260 {2}	8.97	7.66	153.9E6	194.9E6	388.673	295.080	
35) L8 Aroclor-1260 {3}	9.45	9.25	411.3E6	214.4E6	436.065	387.143	
36) L8 Aroclor-1260 {4}	9.93	9.75	178.6E6	469.5E6	352.554	409.013	
37) L8 Aroclor-1260 {5}	11.00	10.33	121.2E6	334.4E6	589.124	408.968	#
Sum Aroclor-1260			1127.8E6	1412.7E6	2073.299	1940.101	
Average Aroclor-1260					414.660	388.020	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

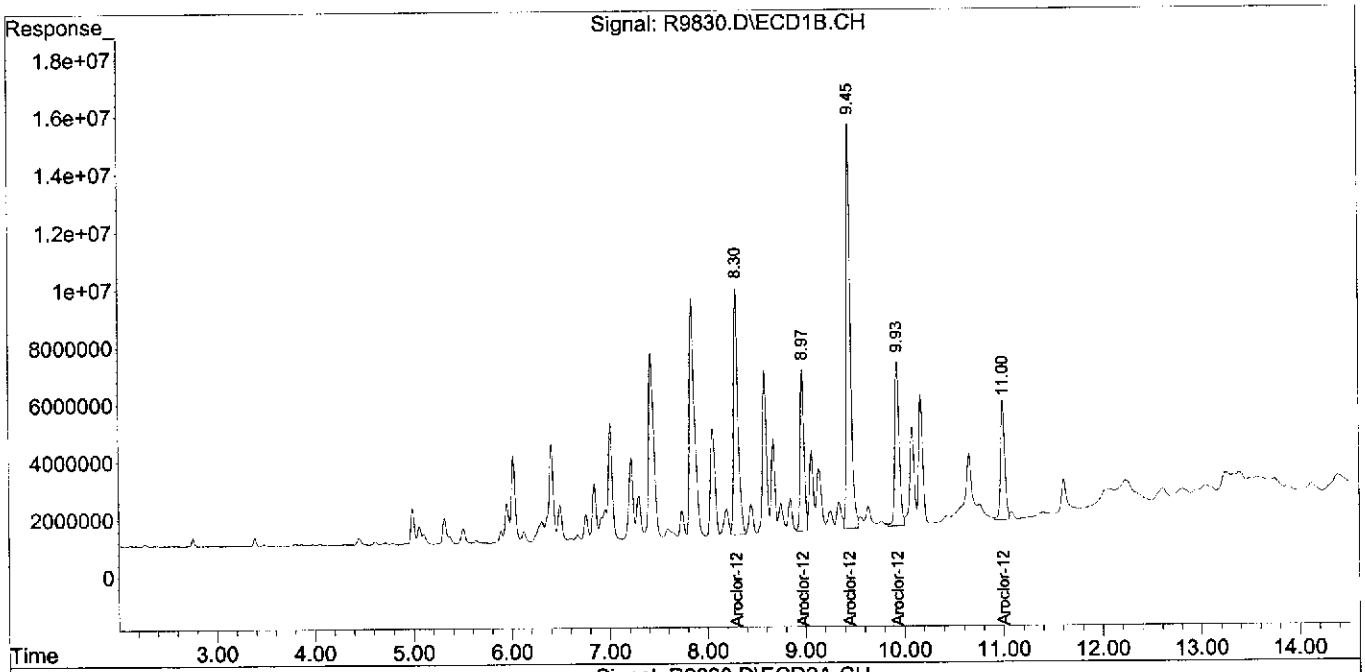
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

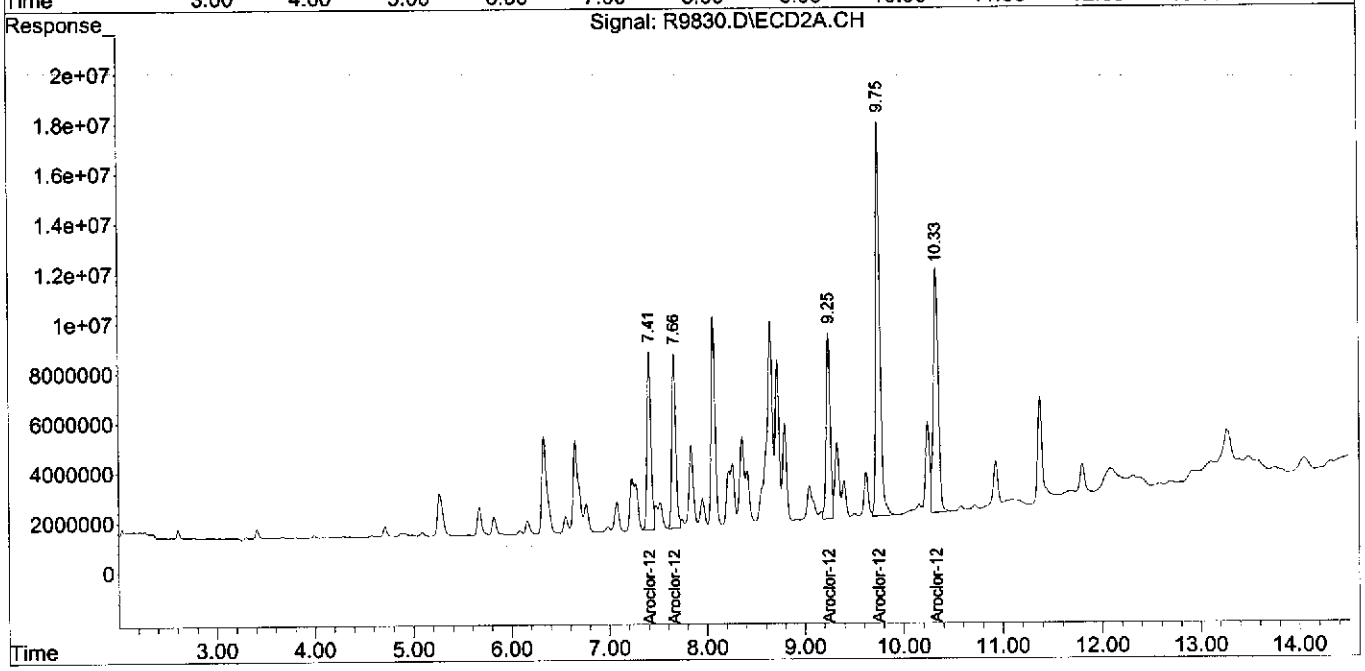
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9830.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 7:53
Operator : JS
Sample : Q-41S_(2.0,03912-010,S,5.47g,28.4,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,400
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:29:39 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9908.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 12:23
Operator : JS
Sample : Q-41S_(8.0,03912-011,S,5.59g,64.3,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 16:51:15 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.60	2314.5E6	2610.8E6	171.681	172.416
Spiked Amount 200.000			Recovery	=	85.84%	86.21%
2) S DCB	12.10	12.02	716.5E6	742.4E6	235.407	214.756
Spiked Amount 200.000			Recovery	=	117.70%	107.38%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
28) L7 Aroclor-1254	6.41	6.65	54134849	61008301	93.379	83.176
29) L7 Aroclor-1254 {2}	6.84	7.23	20935396	46378944	56.025	81.876 #
30) L7 Aroclor-1254 {3}	7.01	7.67	45870866	54915848	68.002	147.031 #
31) L7 Aroclor-1254 {4}	7.44	7.84	75785963	50555250	105.124	89.862
32) L7 Aroclor-1254 {5}	8.30	8.65	72739336	87493368	116.702	118.452
Sum Aroclor-1254			269.5E6	300.4E6	439.233	520.396
Average Aroclor-1254					87.847	104.079
33) L8 Aroclor-1260	8.30	0.00	72739336	0	84.953	N.D. d#
34) L8 Aroclor-1260 {2}	8.97	7.67	30939802	54915848	78.117	83.131
35) L8 Aroclor-1260 {3}	9.45	9.25	90447901	48845729	95.890	88.219
36) L8 Aroclor-1260 {4}	9.93	9.75	50172071	101.1E6	99.012	88.032
37) L8 Aroclor-1260 {5}	11.00	10.34	19983426	61613637	97.172m	75.352
Sum Aroclor-1260			264.3E6	266.4E6	455.145	334.733
Average Aroclor-1260					91.029	83.683
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9908.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 12:23
Operator : JS
Sample : Q-41S_(8.0,03912-011,S,5.59g,64.3,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 16:51:15 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

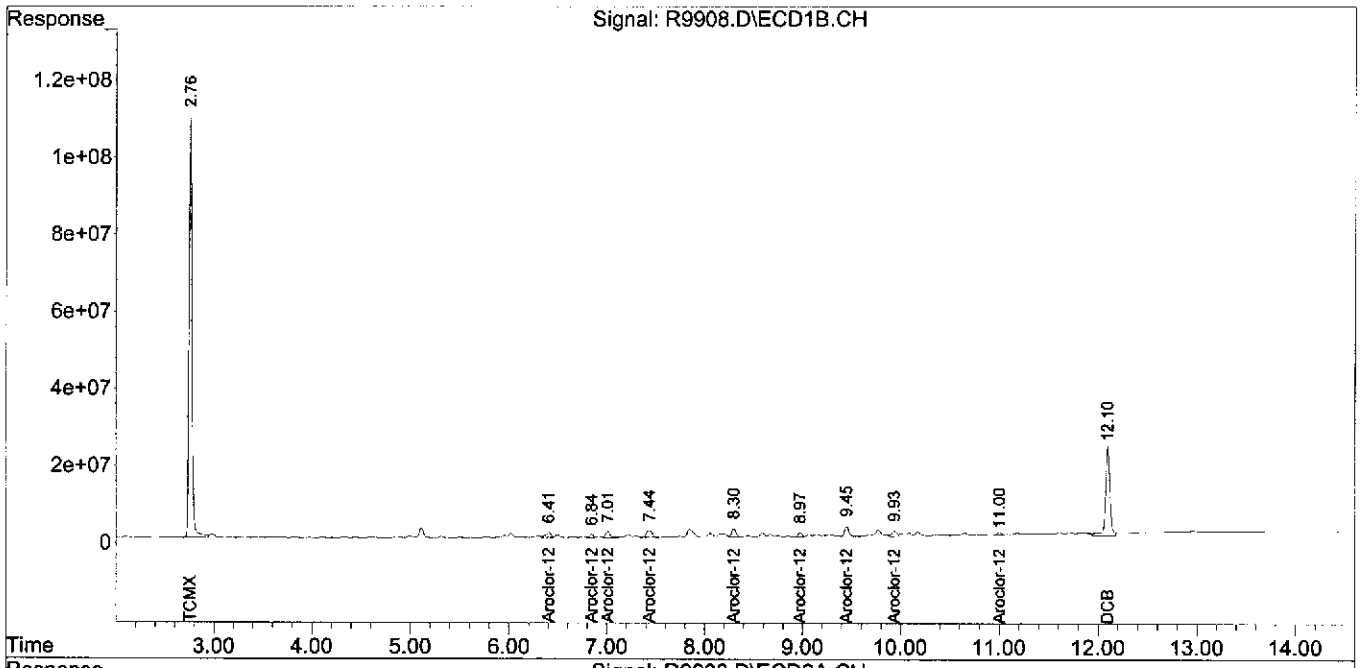
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

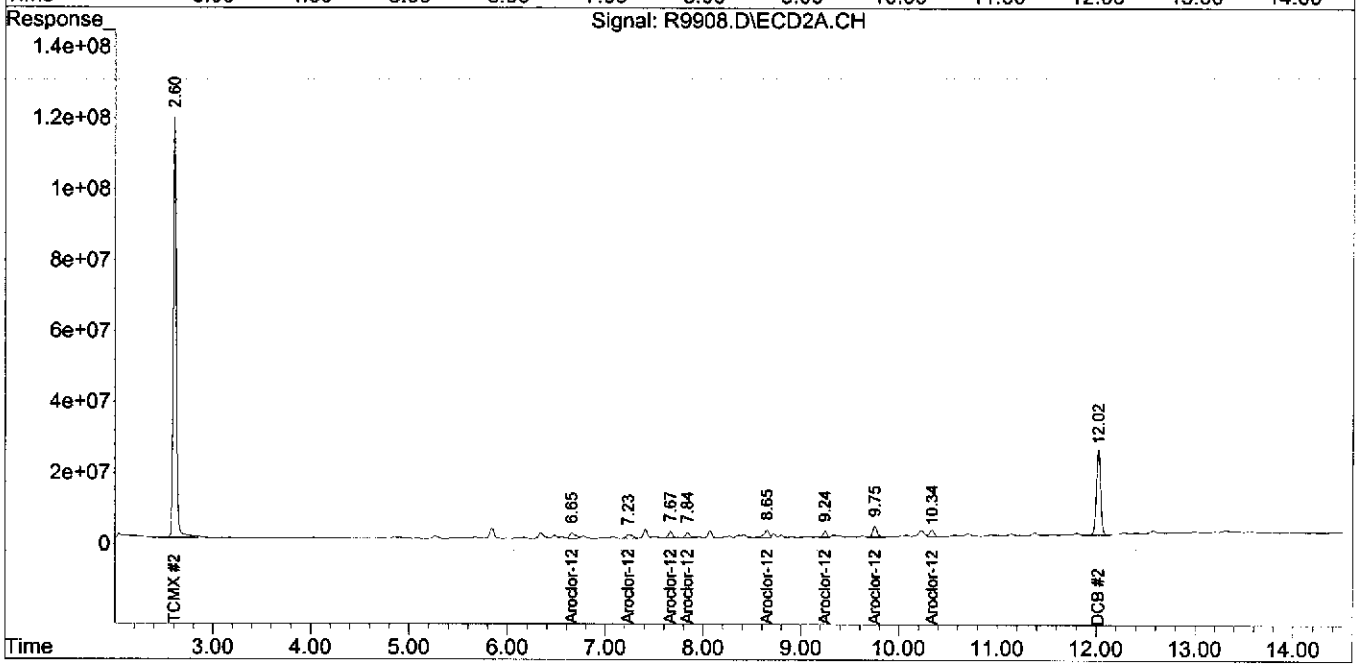
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9908.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 12:23
Operator : JS
Sample : Q-41S_(8.0,03912-011,S,5.59g,64.3,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 16:51:15 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-08-13\
Data File : R9849.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 14:18
Operator : JS
Sample : Q-41N_(4.0,03912-012,S,5.12g,38.4,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1000
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 16:39:53 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
33) L8 Aroclor-1260	8.30	7.41	440.3E6	272.6E6	514.232	601.140	
34) L8 Aroclor-1260 {2}	8.97	7.66	374.5E6	371.3E6	945.449	562.051	#
35) L8 Aroclor-1260 {3}	9.45	9.24	996.1E6	483.4E6	1056.069	872.997	
36) L8 Aroclor-1260 {4}	9.93	9.75	418.0E6	1139.2E6	824.836	992.383	
37) L8 Aroclor-1260 {5}	11.00	10.33	274.6E6	818.4E6	1335.193	1000.910	#
Sum Aroclor-1260			2503.4E6	3085.0E6	4675.779	4029.481	
Average Aroclor-1260					935.156	805.896	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

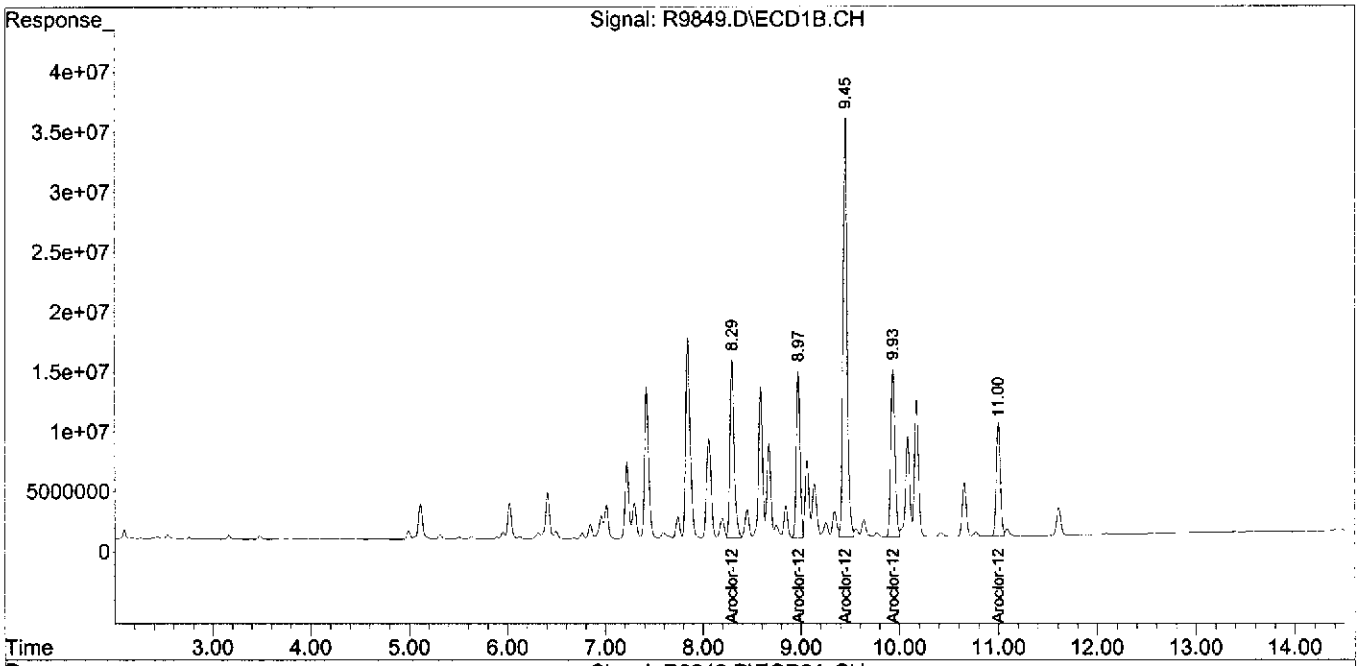
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

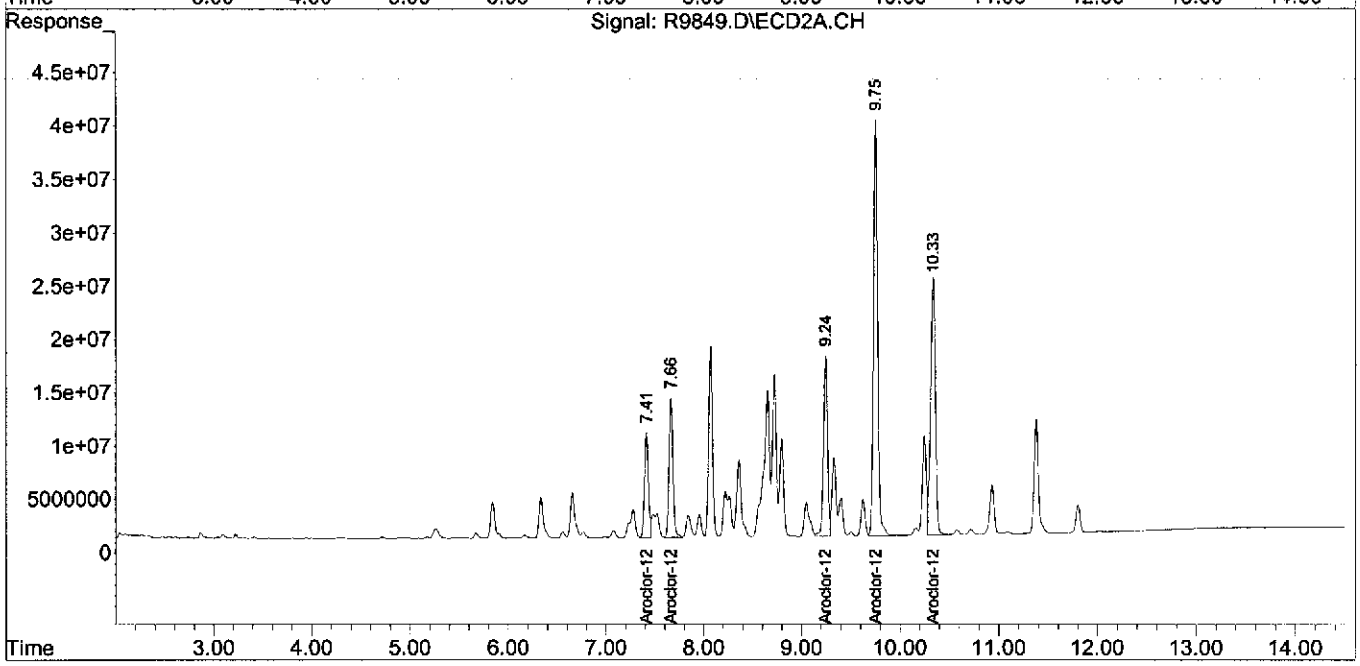
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-08-13\
Data File : R9849.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 14:18
Operator : JS
Sample : Q-41N_(4.0,03912-012,S,5.12g,38.4,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1000
ALS Vial : 90 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 16:39:53 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9776.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 11:34
Operator : JS
Sample : Q-41N_(8.0,03912-013,S,5.33g,58.8,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:07:23 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.61	1761.4E6	1973.5E6	130.653	130.326
Spiked Amount 200.000			Recovery	=	65.33%	65.16%
2) S DCB	12.10	12.02	433.2E6	512.2E6	142.341m	148.179m
Spiked Amount 200.000			Recovery	=	71.17%	74.09%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	7.41	328.0E6	338.8E6	383.082	747.060 #
34) L8 Aroclor-1260 {2}	8.98	7.67	194.3E6	239.1E6	490.592m	362.019 #
35) L8 Aroclor-1260 {3}	9.45	9.25	472.8E6	287.5E6	501.295m	519.208
36) L8 Aroclor-1260 {4}	9.94	9.76	228.6E6	522.7E6	451.088m	455.321
37) L8 Aroclor-1260 {5}	11.00	10.34	218.5E6	526.5E6	1062.303m	643.888m#
Sum Aroclor-1260			1442.2E6	1914.6E6	2888.361	2727.496
Average Aroclor-1260					577.672	545.499
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

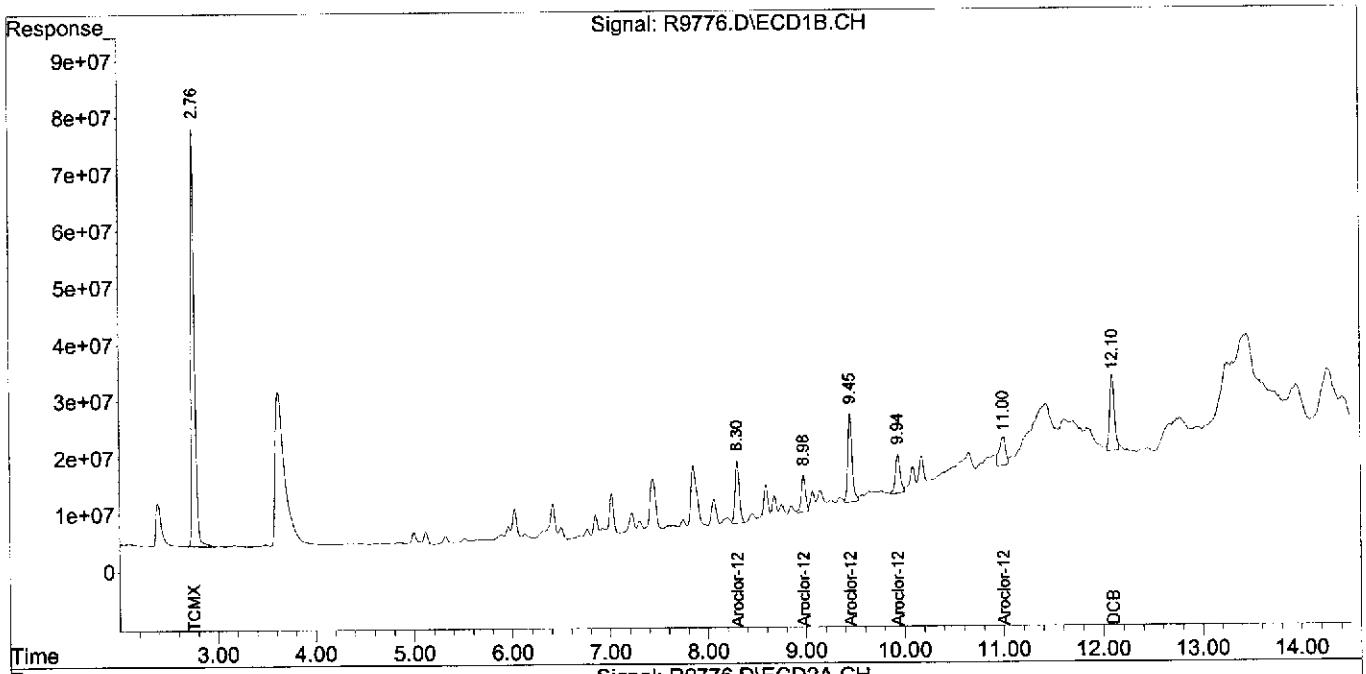
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

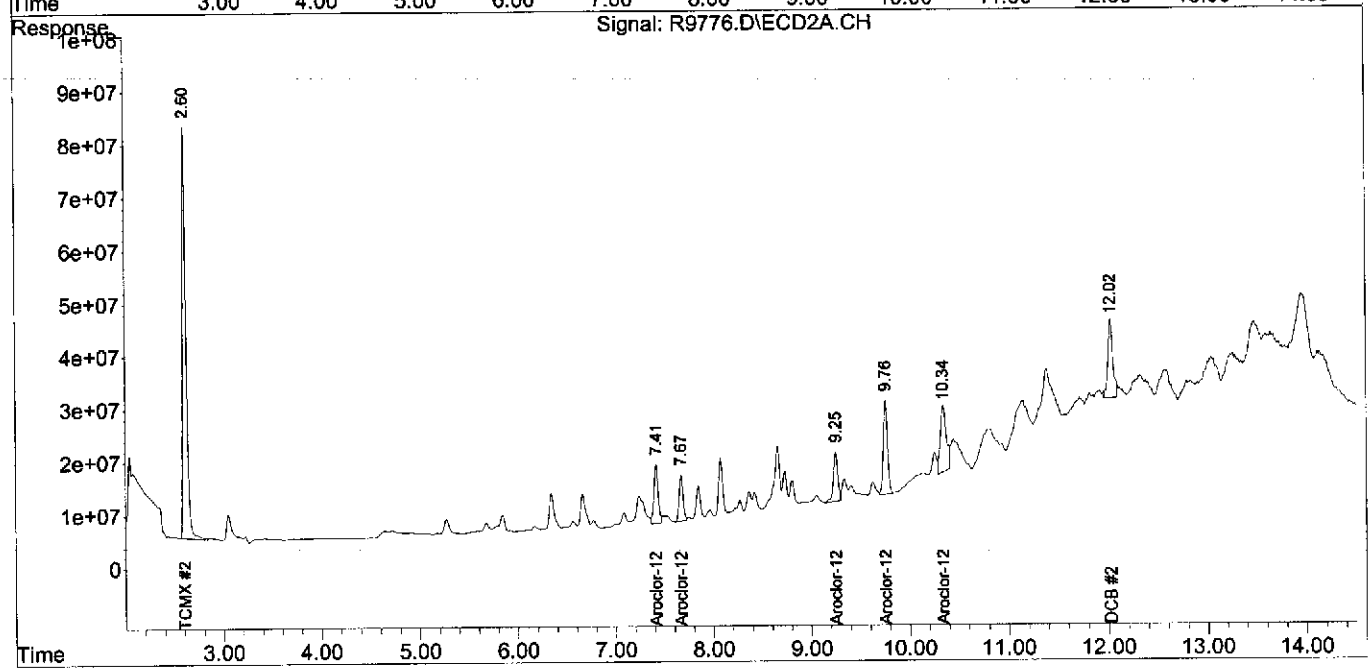
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9776.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 11:34
Operator : JS
Sample : Q-41N_(8.0,03912-013,S,5.33g,58.8,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:07:23 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9777.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 11:51
Operator : JS
Sample : Q-39S_(2.0,03912-014,S,5.19g,25.2,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:10:55 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.60	1685.8E6	1864.9E6	125.044	123.154
Spiked Amount 200.000			Recovery	=	62.52%	61.58%
2) S DCB	12.10	12.02	513.5E6	723.7E6	168.713m	209.347m
Spiked Amount 200.000			Recovery	=	84.36%	104.67%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.46	4.72	295.4E6	308.1E6	636.559	569.420
24) L6 Aroclor-1248 {2}	5.00	5.29	350.4E6	1131.1E6	1338.172	1428.559
25) L6 Aroclor-1248 {3}	5.32	5.68	556.9E6	880.2E6	1648.445	1543.859
26) L6 Aroclor-1248 {4}	6.02	5.83	1276.4E6	546.7E6	2502.934	1143.812 #
27) L6 Aroclor-1248 {5}	6.29	6.18	810.9E6	510.8E6	1975.729	1804.602
Sum Aroclor-1248			3290.0E6	3376.9E6	8101.840	6490.252
Average Aroclor-1248					1620.368	1298.050
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	0.00	779.6E6	0	910.453m	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.67	256.7E6	651.2E6	648.239	985.832m#
35) L8 Aroclor-1260 {3}	9.45	9.25	413.8E6	328.4E6	438.669	593.051m#
36) L8 Aroclor-1260 {4}	9.94	9.76	265.8E6	514.8E6	524.481	448.461m
37) L8 Aroclor-1260 {5}	11.00	10.34	161.0E6	448.2E6	782.933m	548.100m#
Sum Aroclor-1260			1876.9E6	1942.6E6	3304.774	2575.445
Average Aroclor-1260					660.955	643.861
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9777.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 11:51
Operator : JS
Sample : Q-39S_(2.0,03912-014,S,5.19g,25.2,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:10:55 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

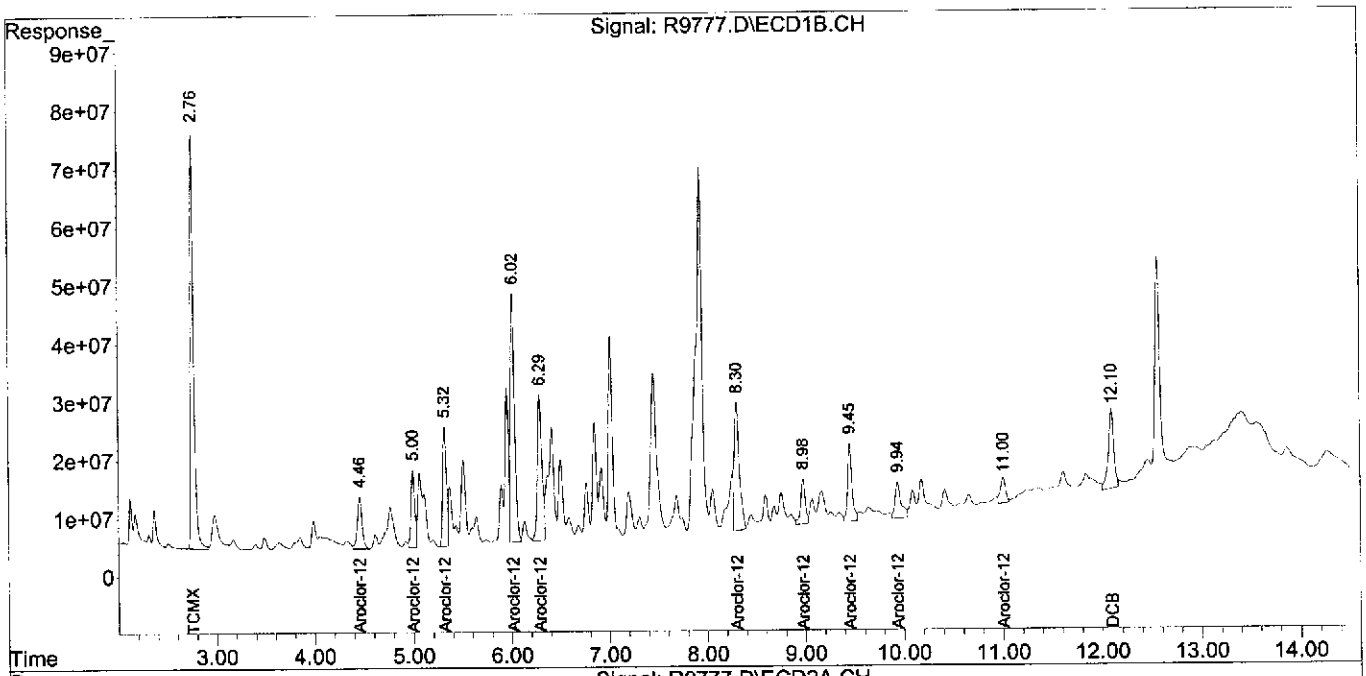
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

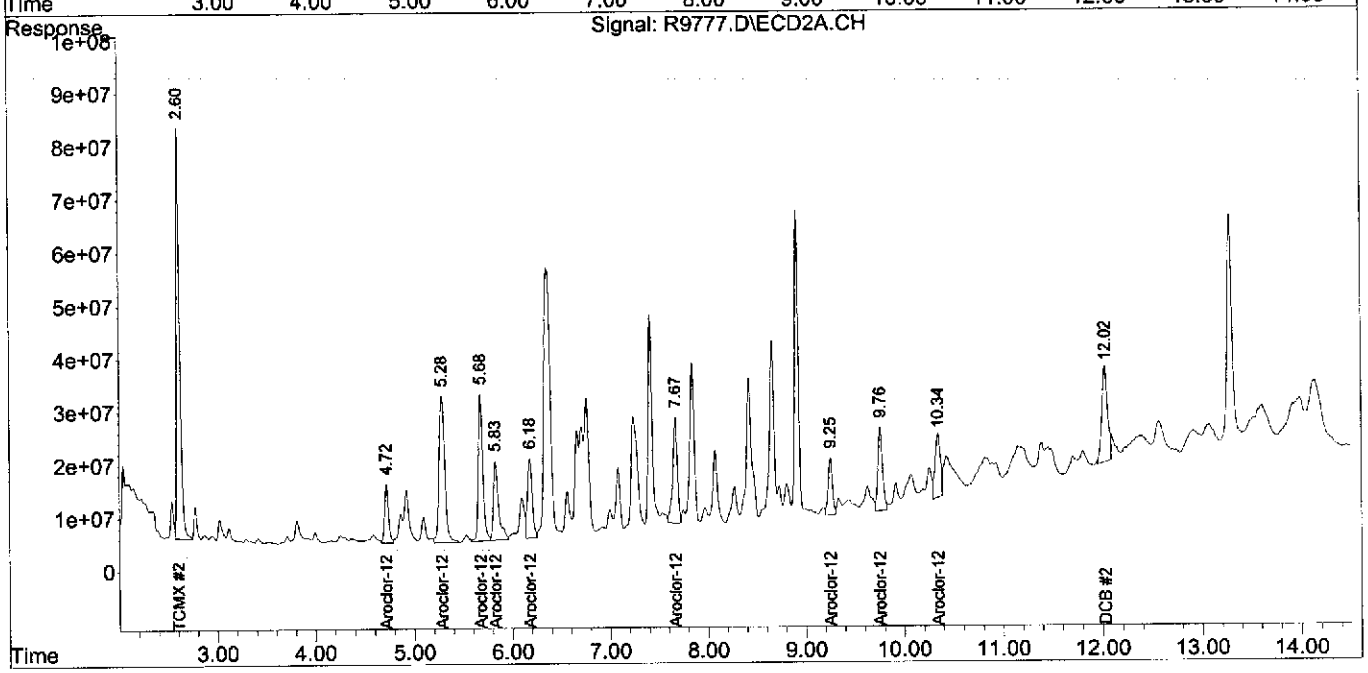
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9777.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 11:51
Operator : JS
Sample : Q-39S_(2.0,03912-014,S,5.19g,25.2,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,1
ALS Vial : 50 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:10:55 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9778.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 12:08
Operator : JS
Sample : Q-39S_(4.0,03912-015,S,5.12g,44.8,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,100
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:13:30 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	7.42	961.1E6	636.0E6	1122.433	1402.341
34) L8 Aroclor-1260 {2}	8.98	7.67	568.7E6	735.0E6	1435.978	1112.604
35) L8 Aroclor-1260 {3}	9.46	9.25	1575.8E6	782.9E6	1670.577	1413.911
36) L8 Aroclor-1260 {4}	9.94	9.76	678.8E6	1774.0E6	1339.648	1545.341
37) L8 Aroclor-1260 {5}	11.00	10.34	367.7E6	1201.1E6	1788.142m	1468.864
Sum Aroclor-1260			4152.1E6	5128.9E6	7356.778	6943.062
Average Aroclor-1260					1471.356	1388.612
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

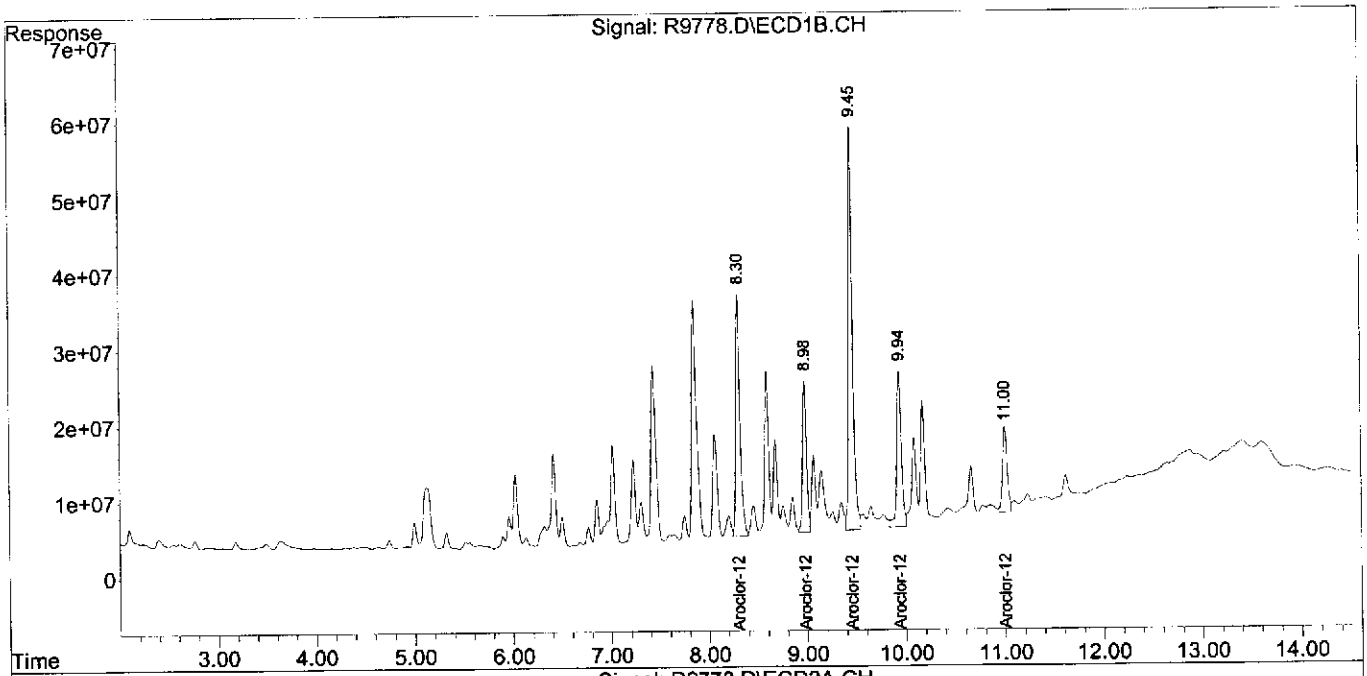
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

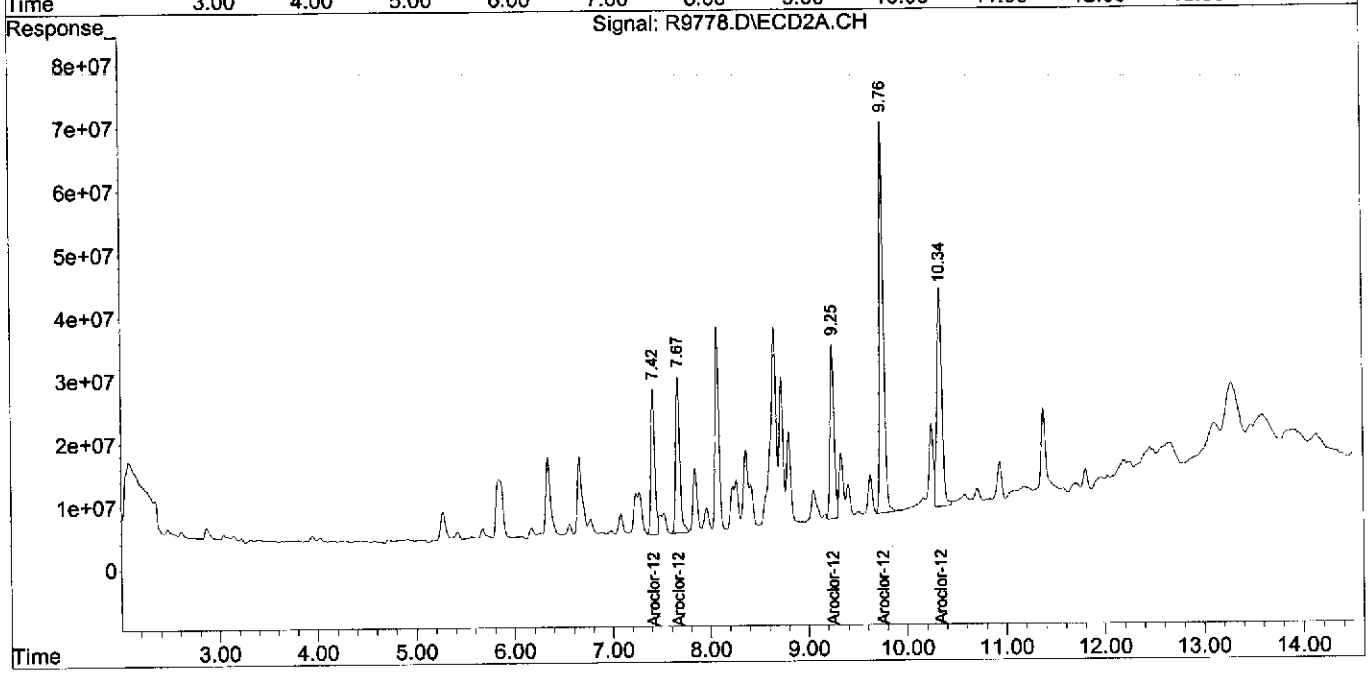
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9778.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 12:08
Operator : JS
Sample : Q-39S_(4.0,03912-015,S,5.12g,44.8,04/30/13,4
Misc : 130430-16,04/29/13,04/29/13,100
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:13:30 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9832.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 8:28
Operator : JS
Sample : Q-39S_(6.0,03912-016,S,5.00g,23.1,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1000
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:30:45 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
33) L8 Aroclor-1260	8.30	7.41	286.2E6	285.0E6	334.214	628.379	#
34) L8 Aroclor-1260 {2}	8.97	7.66	232.4E6	281.0E6	586.692	425.355	#
35) L8 Aroclor-1260 {3}	9.45	9.25	625.3E6	319.7E6	662.884	577.323	
36) L8 Aroclor-1260 {4}	9.93	9.75	249.0E6	696.4E6	491.312	606.629	
37) L8 Aroclor-1260 {5}	11.00	10.34	171.6E6	517.3E6	834.421	632.647	
Sum Aroclor-1260			1564.4E6	2099.3E6	2909.525	2870.333	
Average Aroclor-1260					581.905	574.067	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

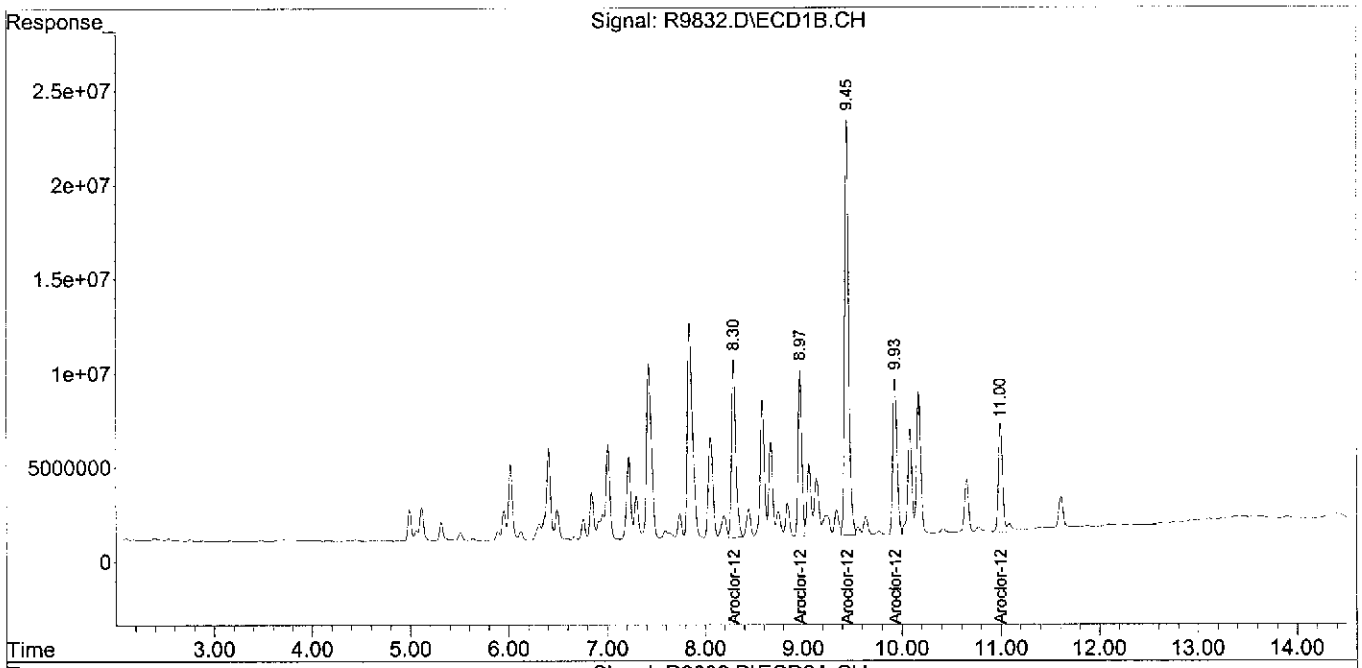
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

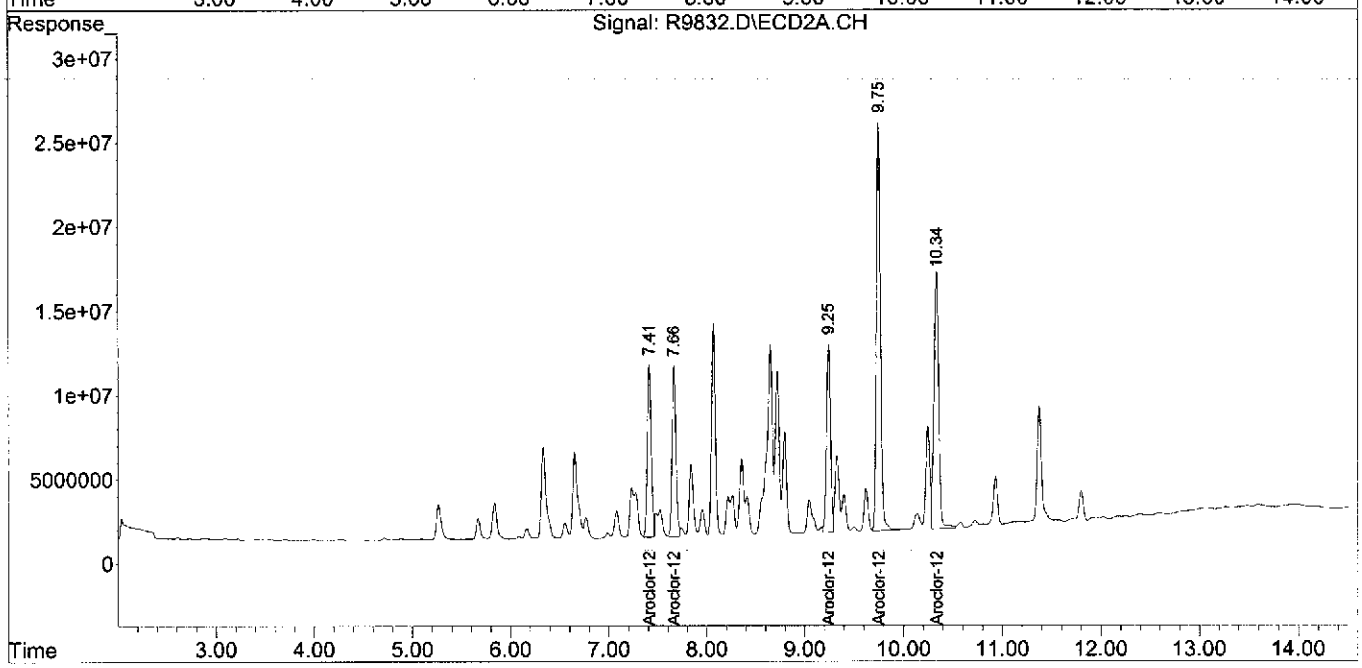
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9832.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 8:28
Operator : JS
Sample : Q-39S_(6.0,03912-016,S,5.00g,23.1,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1000
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:30:45 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9833.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 8:45
Operator : JS
Sample : Q-39N_(0-2,03912-017,S,5.00g,25.8,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,5
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:32:13 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.61	417.0E6	444.2E6	30.932	29.336
Spiked Amount 200.000			Recovery	=	15.47%	14.67%
2) S DCB	12.10	12.02	139.7E6	130.9E6	45.913	37.862
Spiked Amount 200.000			Recovery	=	22.96%	18.93%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
28) L7 Aroclor-1254	6.41	6.65	364.3E6	480.2E6	628.445	654.722
29) L7 Aroclor-1254 {2}	6.84	7.23	209.0E6	373.4E6	559.334	659.168
30) L7 Aroclor-1254 {3}	7.01	7.66	423.4E6	489.8E6	627.660	1311.413 #
31) L7 Aroclor-1254 {4}	7.43	7.84	685.2E6	364.4E6	950.402	647.798 #
32) L7 Aroclor-1254 {5}	8.30	8.65	684.9E6	699.0E6	1098.898	946.316m
Sum Aroclor-1254			2366.8E6	2406.9E6	3864.738	4219.417
Average Aroclor-1254					772.948	843.883
33) L8 Aroclor-1260	8.30	0.00	684.9E6	0	799.943	N.D. d#
34) L8 Aroclor-1260 {2}	8.97	7.66	300.1E6	489.8E6	757.691	741.468
35) L8 Aroclor-1260 {3}	9.45	9.24	792.3E6	464.9E6	839.960	839.685
36) L8 Aroclor-1260 {4}	9.93	9.75	340.1E6	927.6E6	671.231	808.018
37) L8 Aroclor-1260 {5}	11.00	10.33	220.5E6	678.8E6	1072.008	830.110
Sum Aroclor-1260			2337.9E6	2561.1E6	4140.833	3219.282
Average Aroclor-1260					828.167	804.820
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9833.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 8:45
Operator : JS
Sample : Q-39N_(0-2,03912-017,S,5.00g,25.8,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,5
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:32:13 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2

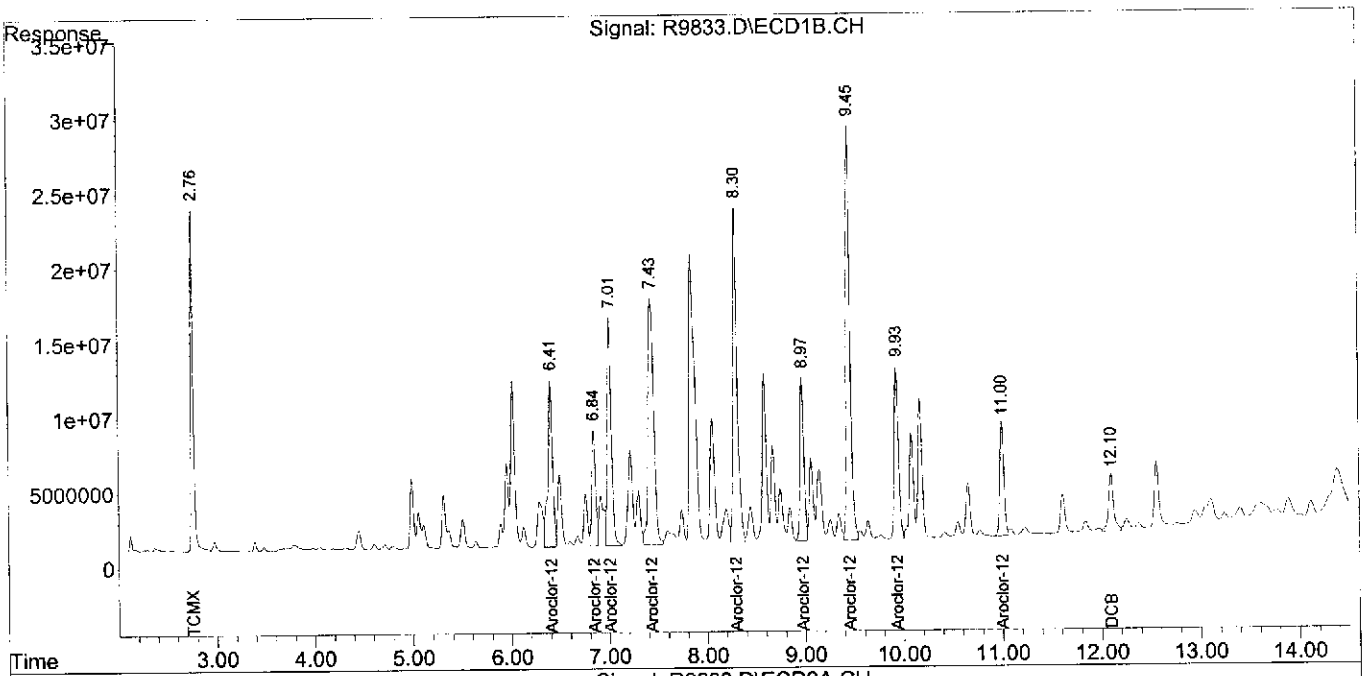
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

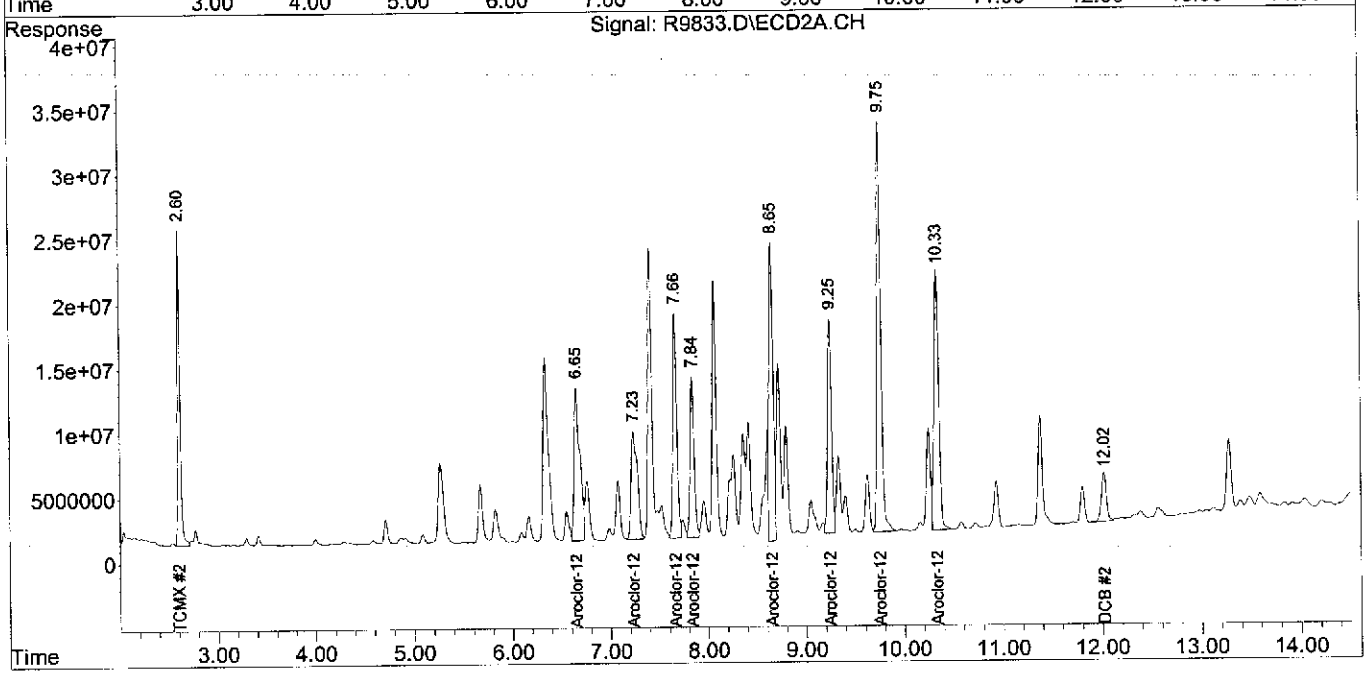
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9833.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 8:45
Operator : JS
Sample : Q-39N_(0-2,03912-017,S,5.00g,25.8,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,5
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 18:32:13 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9744.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 1:06
Operator : JS
Sample : Q-39N_(2.0,03912-018,S,5.00g,34.9,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,100
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 09:53:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
28) L7 Aroclor-1254	6.41	6.66	591.3E6	757.1E6	1019.896	1032.196
29) L7 Aroclor-1254 {2}	6.85	7.23	319.1E6	530.3E6	853.904	936.181
30) L7 Aroclor-1254 {3}	7.01	7.67	678.6E6	730.8E6	1006.078	1956.732 #
31) L7 Aroclor-1254 {4}	7.44	7.84	959.2E6	484.3E6	1330.482	860.777 #
32) L7 Aroclor-1254 {5}	8.30	8.65	984.7E6	1074.2E6	1579.833	1454.280m
Sum Aroclor-1254			3532.9E6	3576.7E6	5790.193	6240.166
Average Aroclor-1254					1158.039	1248.033
33) L8 Aroclor-1260	8.30	7.41	984.7E6	858.7E6	1150.041	1893.341 #
34) L8 Aroclor-1260 {2}	8.98	7.67	521.4E6	730.8E6	1316.492	1106.329
35) L8 Aroclor-1260 {3}	9.45	9.25	1376.3E6	883.4E6	1459.063	1595.437
36) L8 Aroclor-1260 {4}	9.94	9.75	677.8E6	1548.3E6	1337.592	1348.750
37) L8 Aroclor-1260 {5}	11.00	10.34	337.7E6	1149.6E6	1642.351	1405.887
Sum Aroclor-1260			3897.9E6	5170.8E6	6905.538	7349.743
Average Aroclor-1260					1381.108	1469.949
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

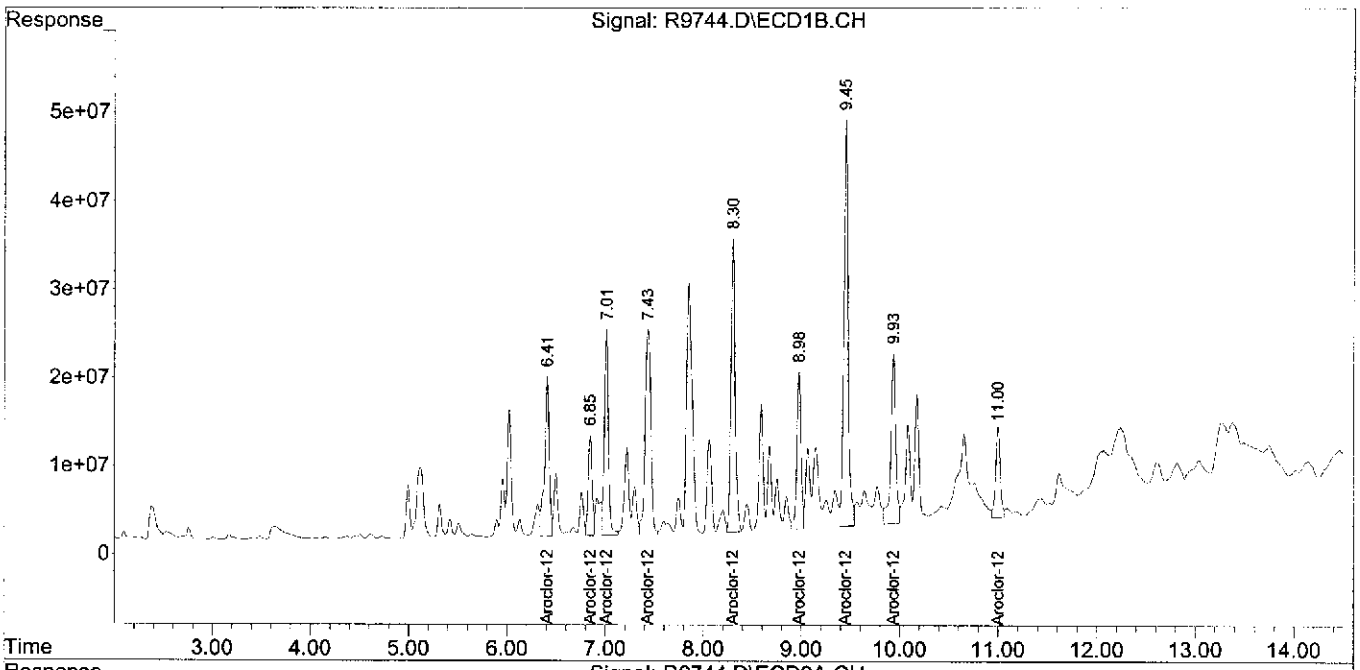
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

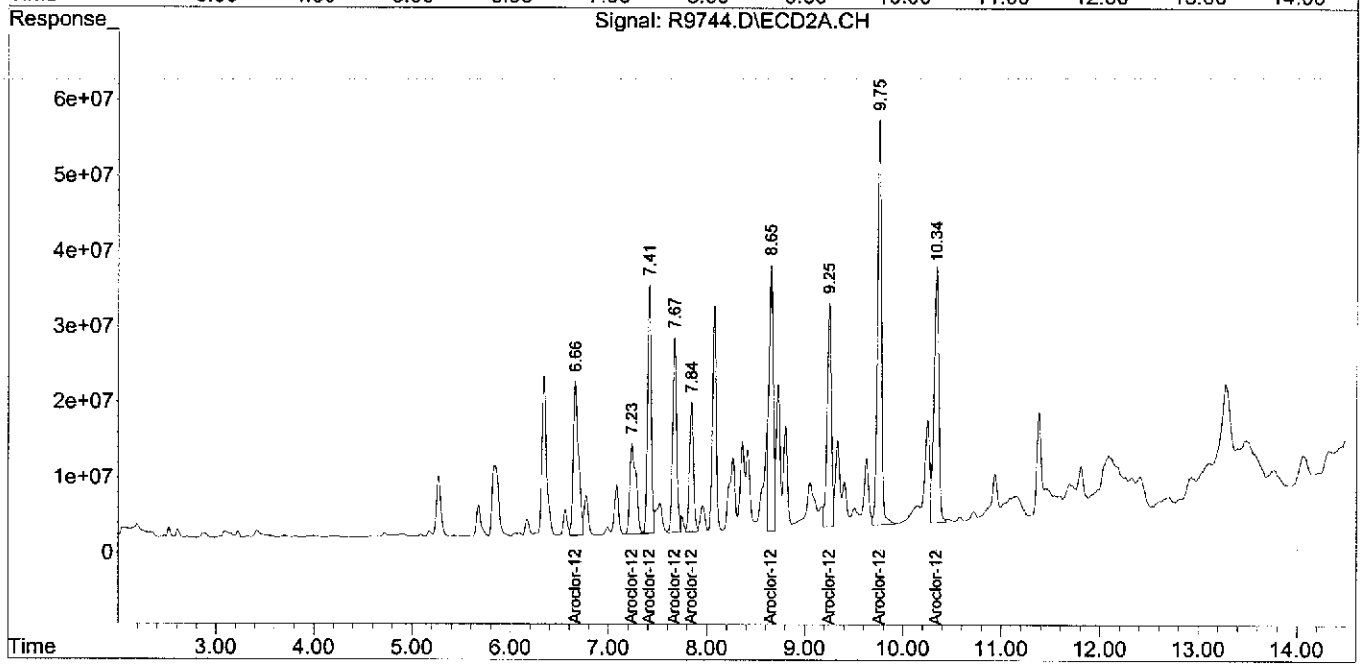
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9744.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 1:06
Operator : JS
Sample : Q-39N_(2.0,03912-018,S,5.00g,34.9,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,100
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 09:53:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9834.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 9:03
Operator : JS
Sample : Q-39N_(4.0,03912-019,S,5.00g,29.9,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1000
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:22:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
28) L7 Aroclor-1254	6.41	6.65	243.6E6	294.4E6	420.199	401.312
29) L7 Aroclor-1254 {2}	6.84	7.23	130.1E6	221.5E6	348.135	391.104
30) L7 Aroclor-1254 {3}	7.01	7.66	269.2E6	303.4E6	399.112	812.294 #
31) L7 Aroclor-1254 {4}	7.43	7.84	403.4E6	235.5E6	559.569	418.616 #
32) L7 Aroclor-1254 {5}	8.30	8.65	376.1E6	392.8E6	603.490	531.813m
Sum Aroclor-1254			1422.5E6	1447.6E6	2330.505	2555.139
Average Aroclor-1254					466.101	511.028
33) L8 Aroclor-1260	8.30	0.00	376.1E6	0	439.311	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.66	191.4E6	303.4E6	483.172	459.268
35) L8 Aroclor-1260 {3}	9.45	9.24	500.8E6	311.0E6	530.958	561.748
36) L8 Aroclor-1260 {4}	9.94	9.75	230.7E6	552.8E6	455.335	481.522
37) L8 Aroclor-1260 {5}	11.00	10.34	132.3E6	395.7E6	643.293m	483.902
Sum Aroclor-1260			1431.4E6	1562.9E6	2552.070	1986.440
Average Aroclor-1260					510.414	496.610
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

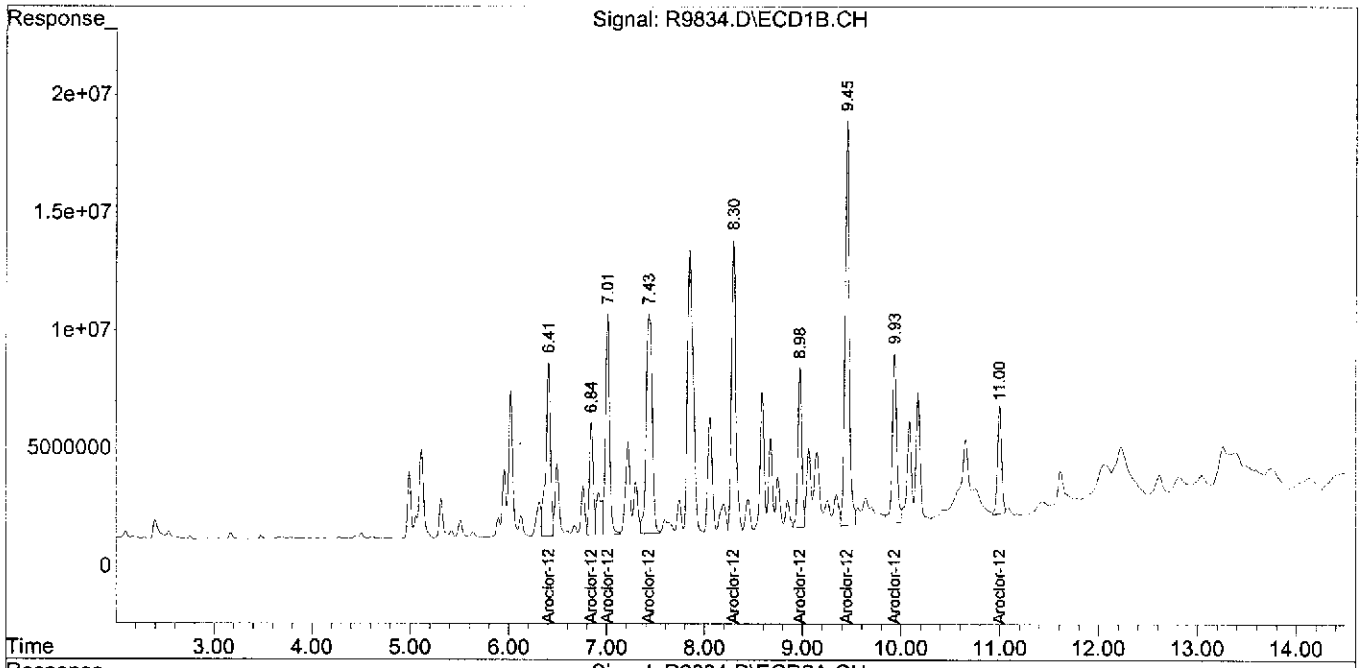
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

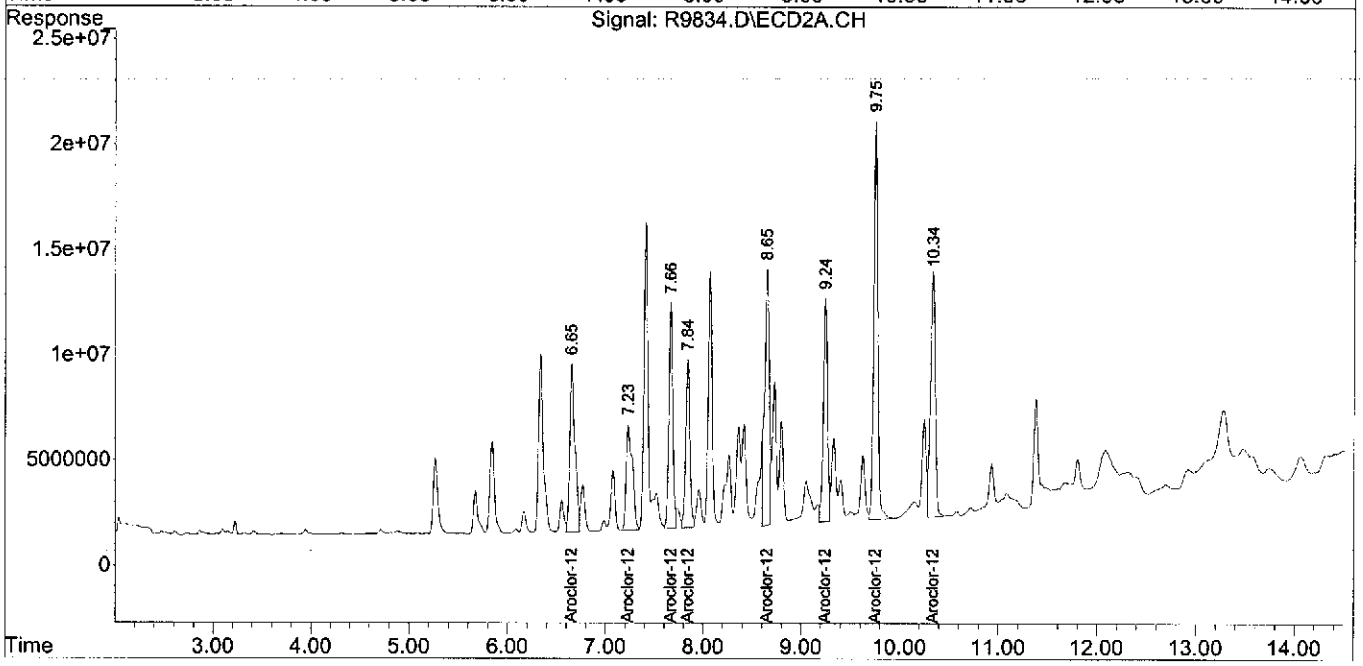
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9834.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 9:03
Operator : JS
Sample : Q-39N_(4.0,03912-019,S,5.00g,29.9,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1000
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:22:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9746.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 1:41
Operator : JS
Sample : Q-39N_(6.0,03912-020,S,5.00g,52.9,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 09:58:24 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.60	2268.6E6	2550.0E6	168.275	168.398
Spiked Amount 200.000			Recovery	=	84.14%	84.20%
2) S DCB	12.10	12.02	608.7E6	718.4E6	199.992m	207.806m
Spiked Amount 200.000			Recovery	=	100.00%	103.90%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	7.41	146.0E6	145.3E6	170.473	320.341 #
34) L8 Aroclor-1260 {2}	8.98	7.67	102.6E6	130.0E6	259.160	196.812
35) L8 Aroclor-1260 {3}	9.45	9.25	270.0E6	151.0E6	286.287	272.785
36) L8 Aroclor-1260 {4}	9.93	9.75	102.7E6	277.1E6	202.768m	241.388
37) L8 Aroclor-1260 {5}	11.00	10.34	66233161	223.6E6	322.069m	273.503
Sum Aroclor-1260			687.6E6	927.1E6	1240.756	1304.829
Average Aroclor-1260					248.151	260.966
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

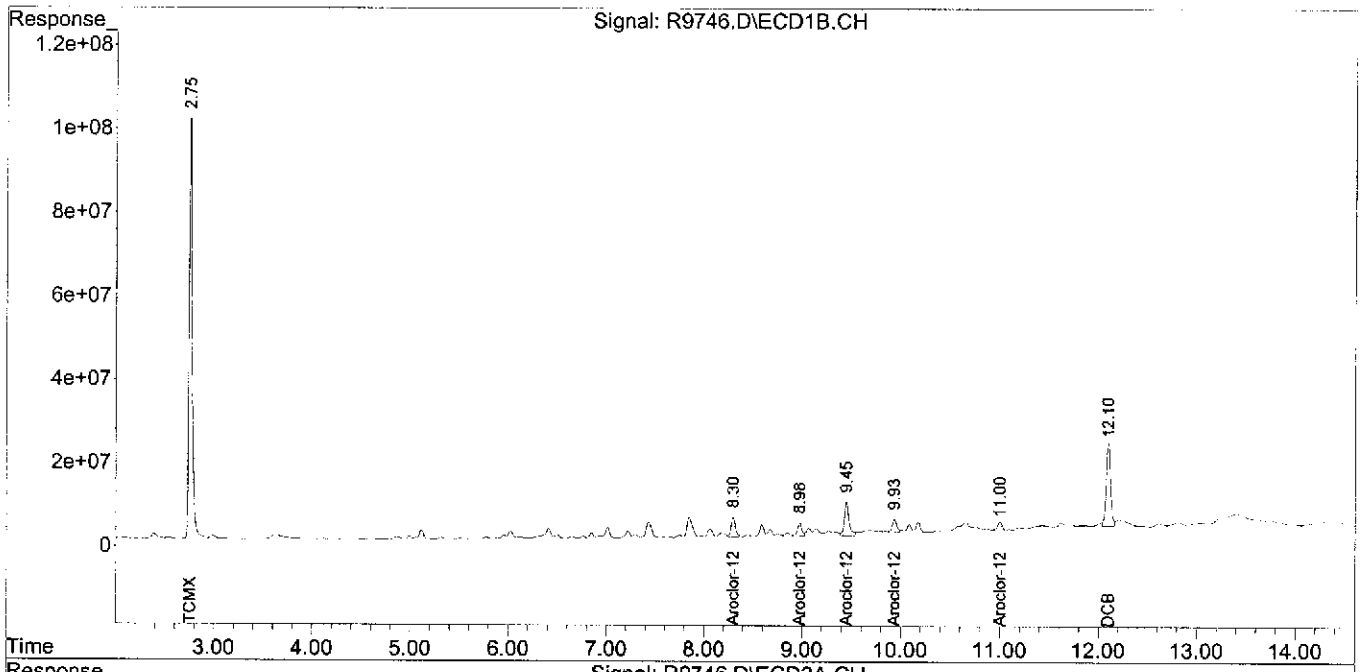
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

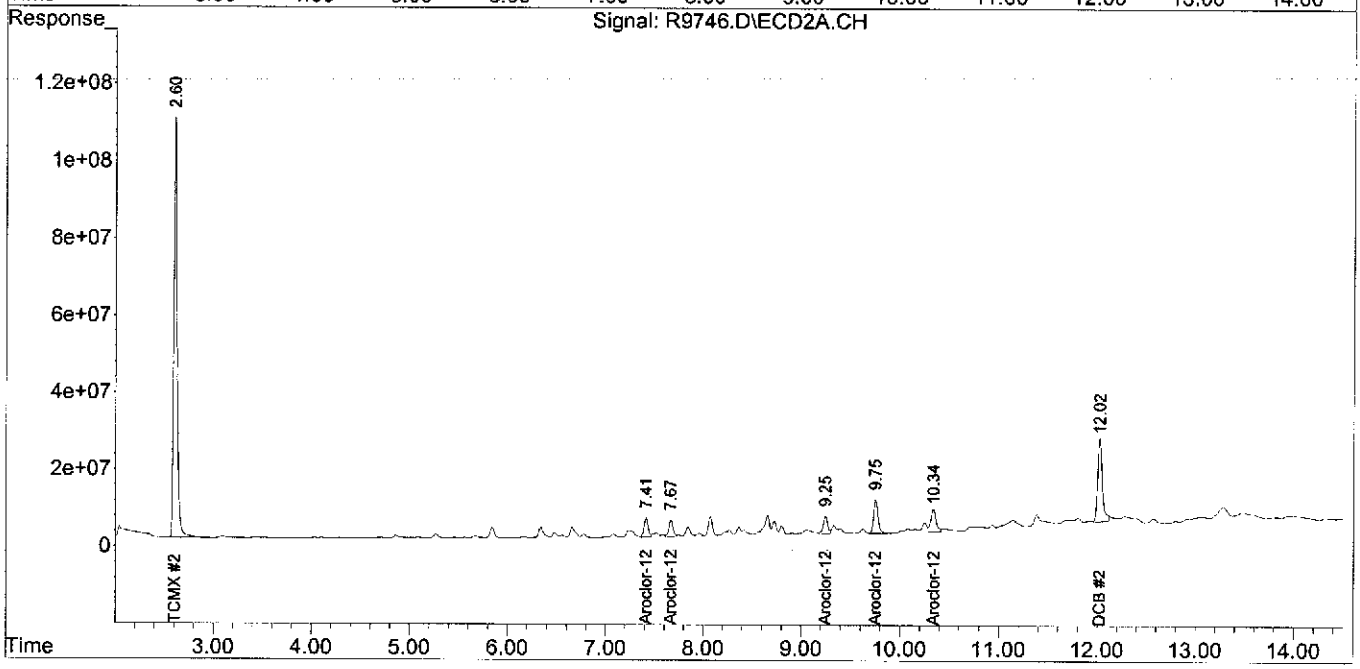
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9746.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 1:41
Operator : JS
Sample : Q-39N_(6.0,03912-020,S,5.00g,52.9,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 09:58:24 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9835.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 9:20
Operator : JS
Sample : Q-38N_(0-2,03912-021,S,5.00g,15.0,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,200
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:15:32 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	7.41	439.6E6	423.0E6	513.472	932.731 #
34) L8 Aroclor-1260 {2}	8.97	7.66	349.2E6	445.5E6	881.546	674.328
35) L8 Aroclor-1260 {3}	9.45	9.24	1008.6E6	517.1E6	1069.240	933.984
36) L8 Aroclor-1260 {4}	9.93	9.75	388.1E6	1157.9E6	765.843	1008.653 #
37) L8 Aroclor-1260 {5}	11.00	10.33	277.0E6	820.1E6	1346.732	1002.932 #
Sum Aroclor-1260			2462.4E6	3363.6E6	4576.832	4552.629
Average Aroclor-1260					915.366	910.526
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

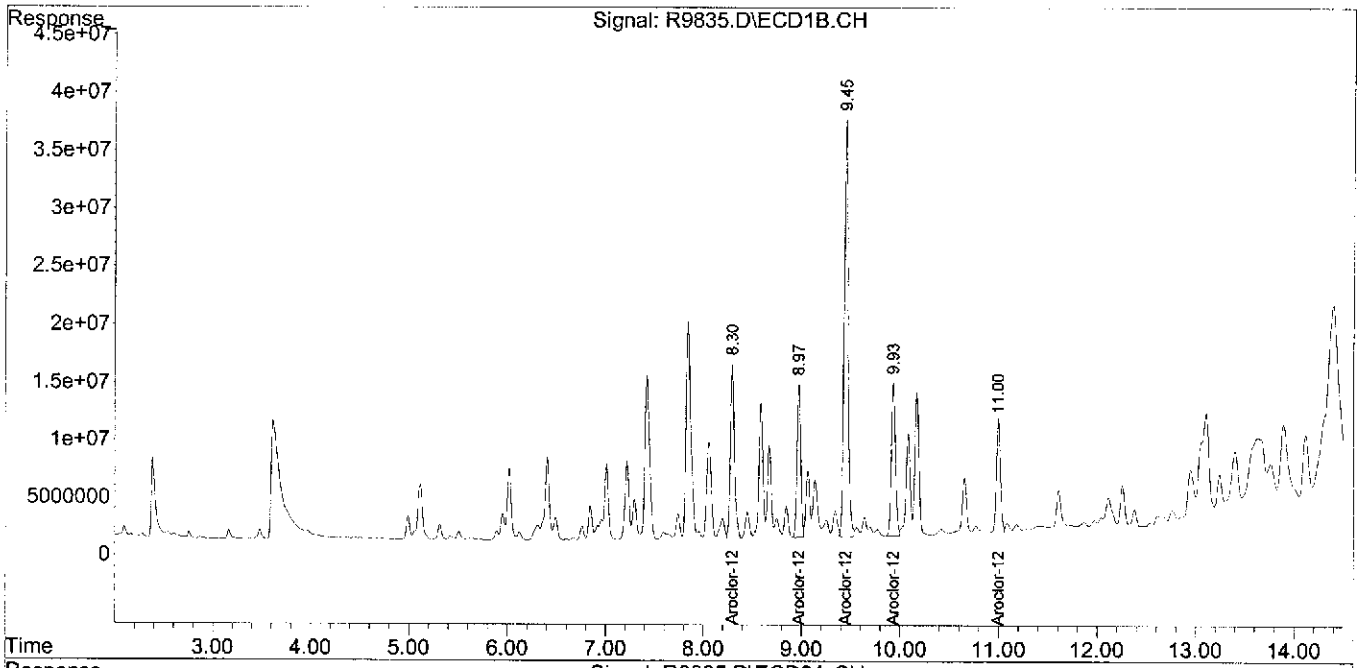
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

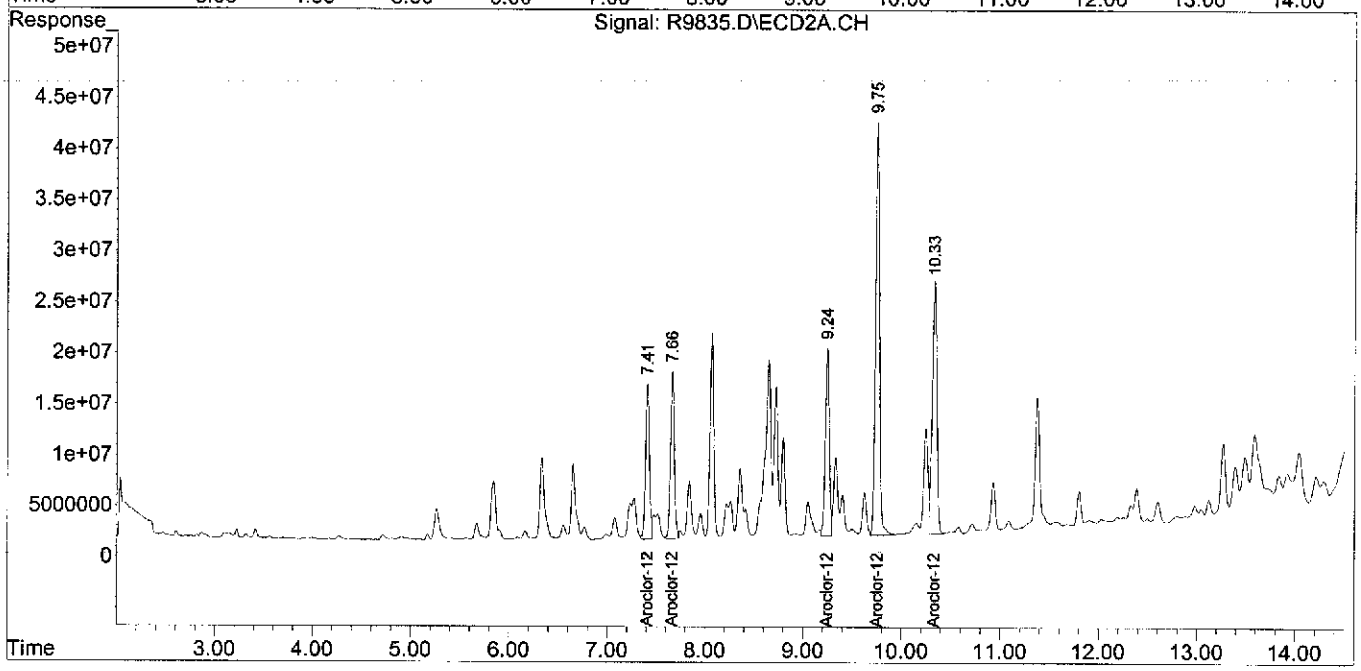
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9835.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 9:20
Operator : JS
Sample : Q-38N_(0-2,03912-021,S,5.00g,15.0,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,200
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:15:32 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9748.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 2:16
Operator : JS
Sample : Q-38W_(0-2,03912-022,S,5.00g,20.0,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,100
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 09:59:27 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
28) L7 Aroclor-1254	6.41	6.66	750.0E6	948.7E6	1293.724	1293.358
29) L7 Aroclor-1254 {2}	6.85	7.23	502.2E6	786.0E6	1343.875	1387.564
30) L7 Aroclor-1254 {3}	7.01	7.67	968.3E6	699.5E6	1435.495	1872.801 #
31) L7 Aroclor-1254 {4}	7.45	7.84	1197.2E6	761.1E6	1660.676	1352.916
32) L7 Aroclor-1254 {5}	8.30	8.66	965.1E6	1313.0E6	1548.459	1777.628
Sum Aroclor-1254			4382.9E6	4508.3E6	7282.229	7684.268
Average Aroclor-1254					1456.446	1536.854
33) L8 Aroclor-1260	8.30	0.00	965.1E6	0	1127.202	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.67	274.7E6	699.5E6	693.620m	1058.875 #
35) L8 Aroclor-1260 {3}	9.45	9.25	731.5E6	519.1E6	775.542m	937.604m
36) L8 Aroclor-1260 {4}	9.94	9.75	363.0E6	945.3E6	716.284m	823.464
37) L8 Aroclor-1260 {5}	11.00	10.34	272.5E6	712.1E6	1325.004m	870.914m#
Sum Aroclor-1260			2606.8E6	2876.1E6	4637.652	3690.856
Average Aroclor-1260					927.530	922.714
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

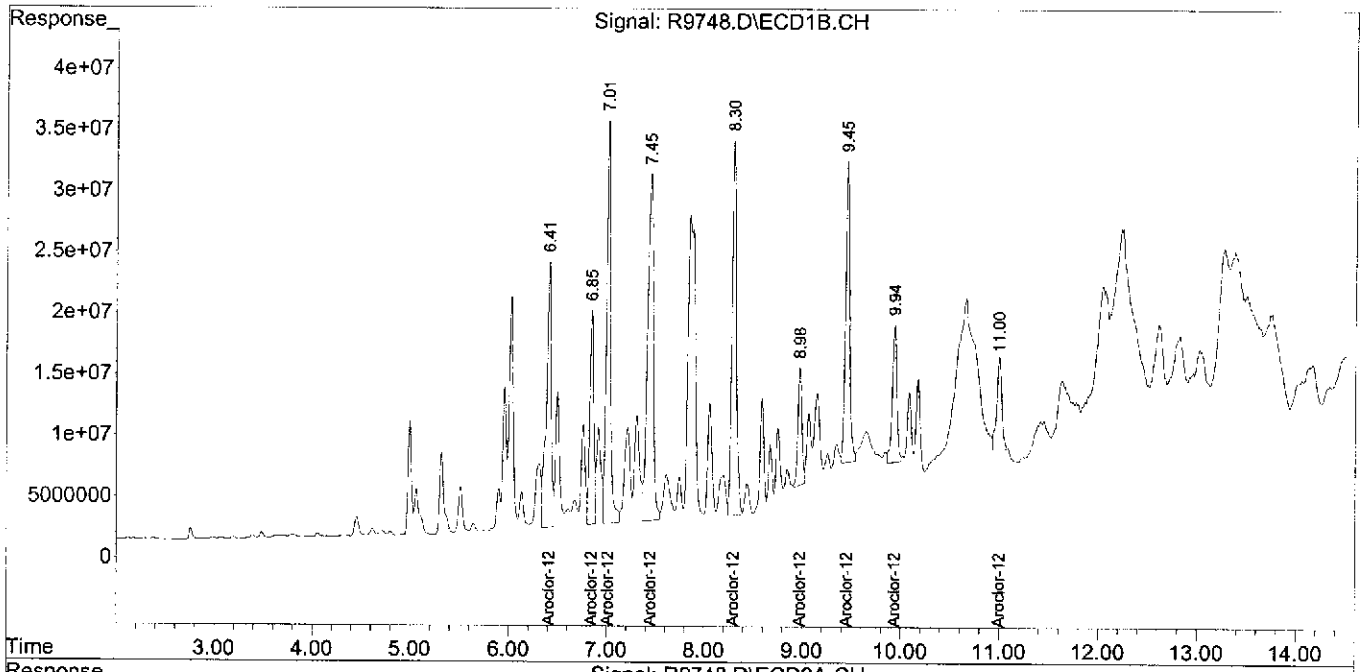
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

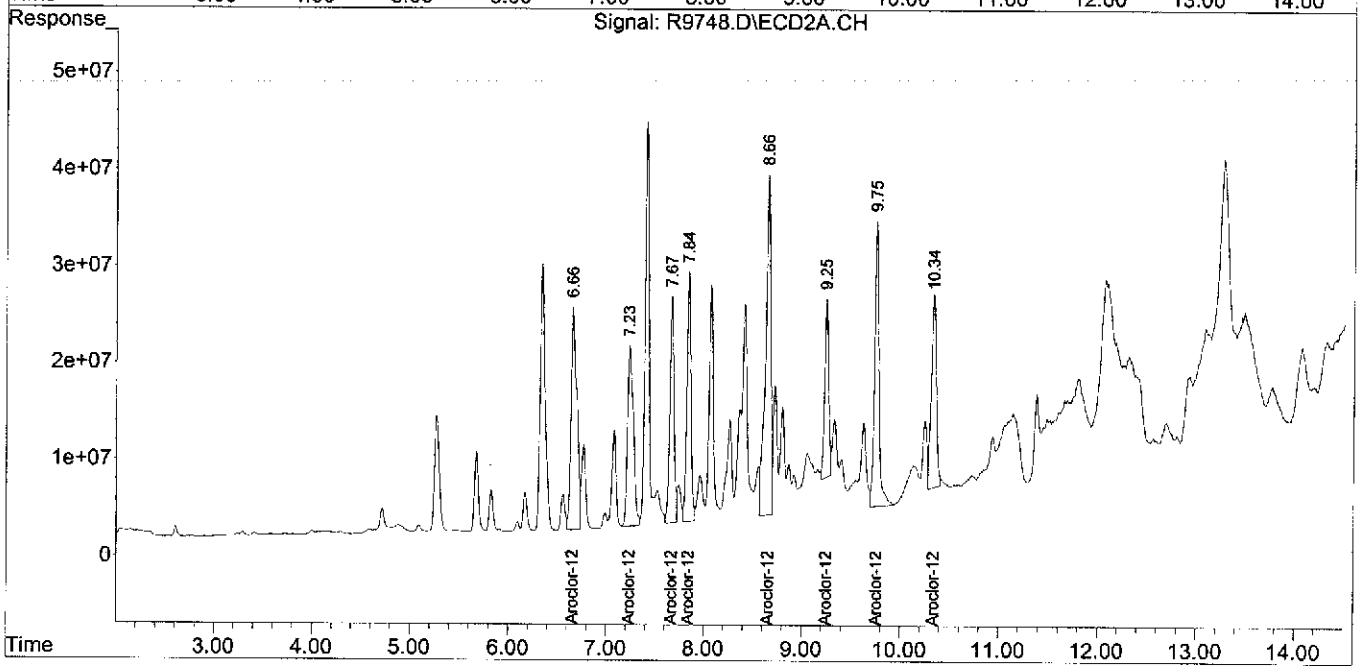
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9748.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 2:16
Operator : JS
Sample : Q-38W_(0-2,03912-022,S,5.00g,20.0,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,100
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 09:59:27 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9836.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 9:37
Operator : JS
Sample : Q-39W_(0-2,03912-023,S,5.00g,18.8,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,50
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:20:11 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
28) L7 Aroclor-1254	6.41	6.65	251.4E6	303.5E6	433.602	413.731	
29) L7 Aroclor-1254 {2}	6.84	7.23	154.0E6	256.8E6	412.071	453.318	
30) L7 Aroclor-1254 {3}	7.01	7.66	328.4E6	317.1E6	486.822	849.070	#
31) L7 Aroclor-1254 {4}	7.43	7.84	440.0E6	238.0E6	610.315	423.024	#
32) L7 Aroclor-1254 {5}	8.30	8.65	386.2E6	586.7E6	619.650	794.297	#
Sum Aroclor-1254			1559.9E6	1702.1E6	2562.460	2933.440	
Average Aroclor-1254					512.492	586.688	
33) L8 Aroclor-1260	8.30	7.41	386.2E6	393.6E6	451.075	867.716	#
34) L8 Aroclor-1260 {2}	8.97	7.66	198.9E6	317.1E6	502.277m	480.061	
35) L8 Aroclor-1260 {3}	9.45	9.24	493.9E6	373.3E6	523.668m	674.160	#
36) L8 Aroclor-1260 {4}	9.93	9.75	249.3E6	556.6E6	491.985m	484.857	
37) L8 Aroclor-1260 {5}	11.00	10.34	146.3E6	487.3E6	711.530m	595.968	
Sum Aroclor-1260			1474.7E6	2127.9E6	2680.535	3102.761	
Average Aroclor-1260					536.107	620.552	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

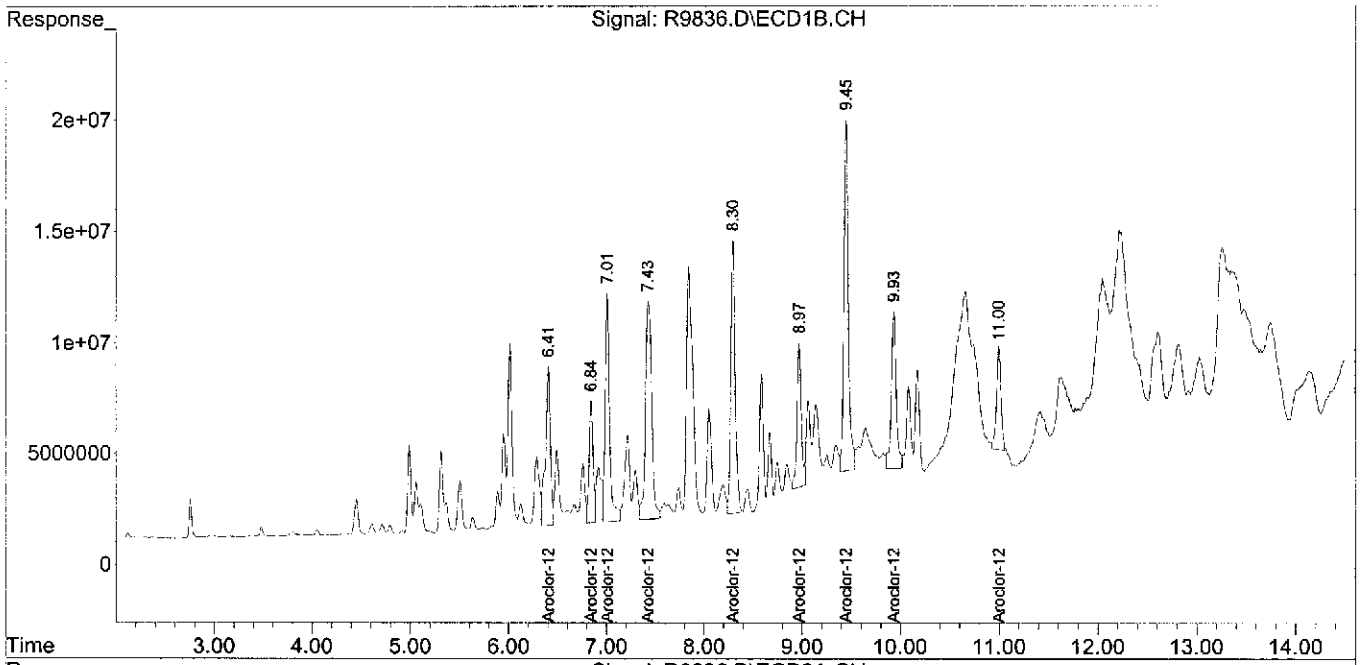
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

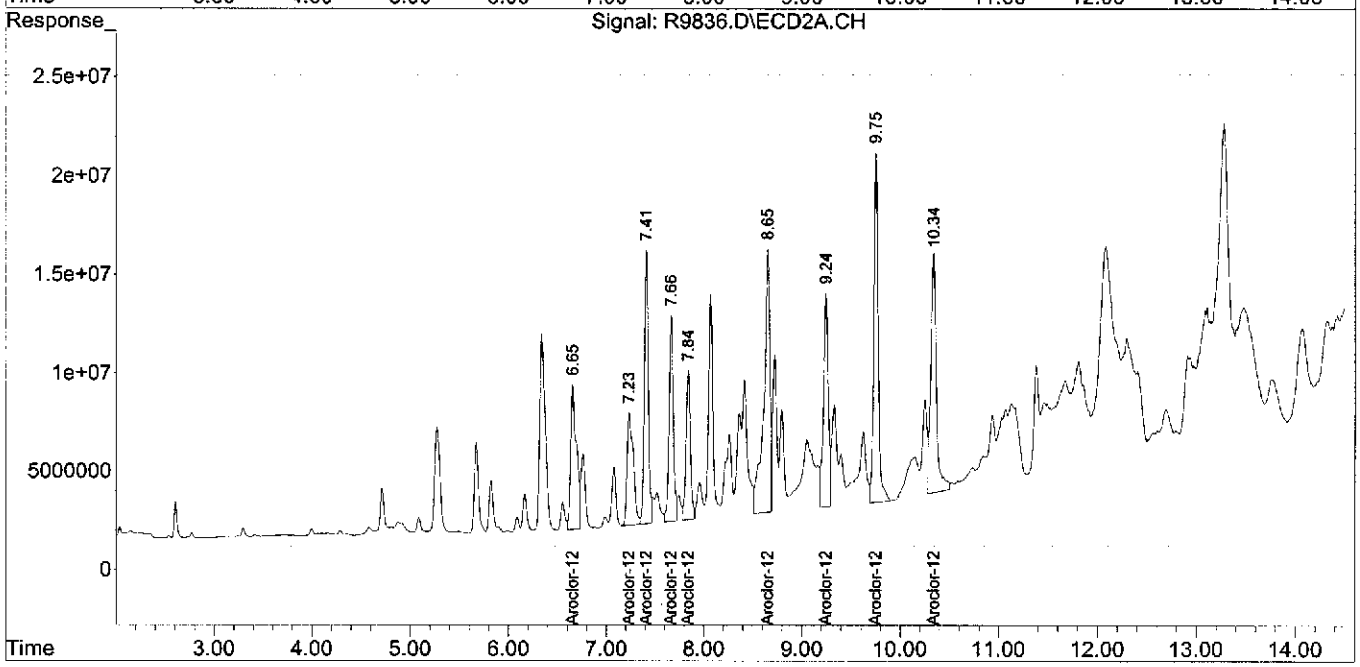
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-07-13\
Data File : R9836.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 9:37
Operator : JS
Sample : Q-39W_(0-2,03912-023,S,5.00g,18.8,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,50
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:20:11 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9750.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 2:51
Operator : JS
Sample : P-40E_(4.0,03912-024,S,5.00g,22.4,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:02:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
1) S TCMX	2.76	2.60	1830.0E6	2029.9E6	135.743	134.053	
Spiked Amount 200.000			Recovery	=	67.87%	67.03%	
2) S DCB	12.10	12.02	488.9E6	613.6E6	160.628m	177.511m	
Spiked Amount 200.000			Recovery	=	80.31%	88.76%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
23) L6 Aroclor-1248	4.46	4.72	62446742	66215681	134.579	122.386	
24) L6 Aroclor-1248 {2}	4.99	5.28	84583929	235.8E6	323.036	297.816	
25) L6 Aroclor-1248 {3}	5.32	5.68	96172082	145.9E6	284.662	255.855	
26) L6 Aroclor-1248 {4}	6.02	5.83	249.4E6	159.5E6	489.099	333.669	#
27) L6 Aroclor-1248 {5}	6.29	6.17	142.5E6	90148915	347.248	318.475	
Sum Aroclor-1248			635.1E6	697.5E6	1578.625	1328.200	
Average Aroclor-1248					315.725	265.640	
28) L7 Aroclor-1254	6.41	6.66	208.1E6	183.9E6	359.032	250.688	#
29) L7 Aroclor-1254 {2}	6.85	7.24	121.4E6	243.9E6	324.877	430.651	#
30) L7 Aroclor-1254 {3}	7.01	7.67	248.2E6	240.4E6	367.995	643.628	#
31) L7 Aroclor-1254 {4}	7.45	7.84	310.2E6	251.2E6	430.330	446.524	
32) L7 Aroclor-1254 {5}	8.30	8.66	273.6E6	431.7E6	438.895	584.467	#
Sum Aroclor-1254			1161.6E6	1351.1E6	1921.128	2355.958	
Average Aroclor-1254					384.226	471.192	
33) L8 Aroclor-1260	8.30	7.41	273.6E6	335.9E6	319.494	740.587	#
34) L8 Aroclor-1260 {2}	8.98	7.67	134.7E6	240.4E6	340.039	363.905	
35) L8 Aroclor-1260 {3}	9.45	9.25	314.6E6	207.7E6	333.480	375.133	
36) L8 Aroclor-1260 {4}	9.94	9.75	161.7E6	314.9E6	319.099	274.311	
37) L8 Aroclor-1260 {5}	11.00	10.34	124.6E6	306.0E6	605.802m	374.175	#
Sum Aroclor-1260			1009.1E6	1404.8E6	1917.913	2128.111	
Average Aroclor-1260					383.583	425.622	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9750.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 2:51
Operator : JS
Sample : P-40E_(4.0,03912-024,S,5.00g,22.4,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:02:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

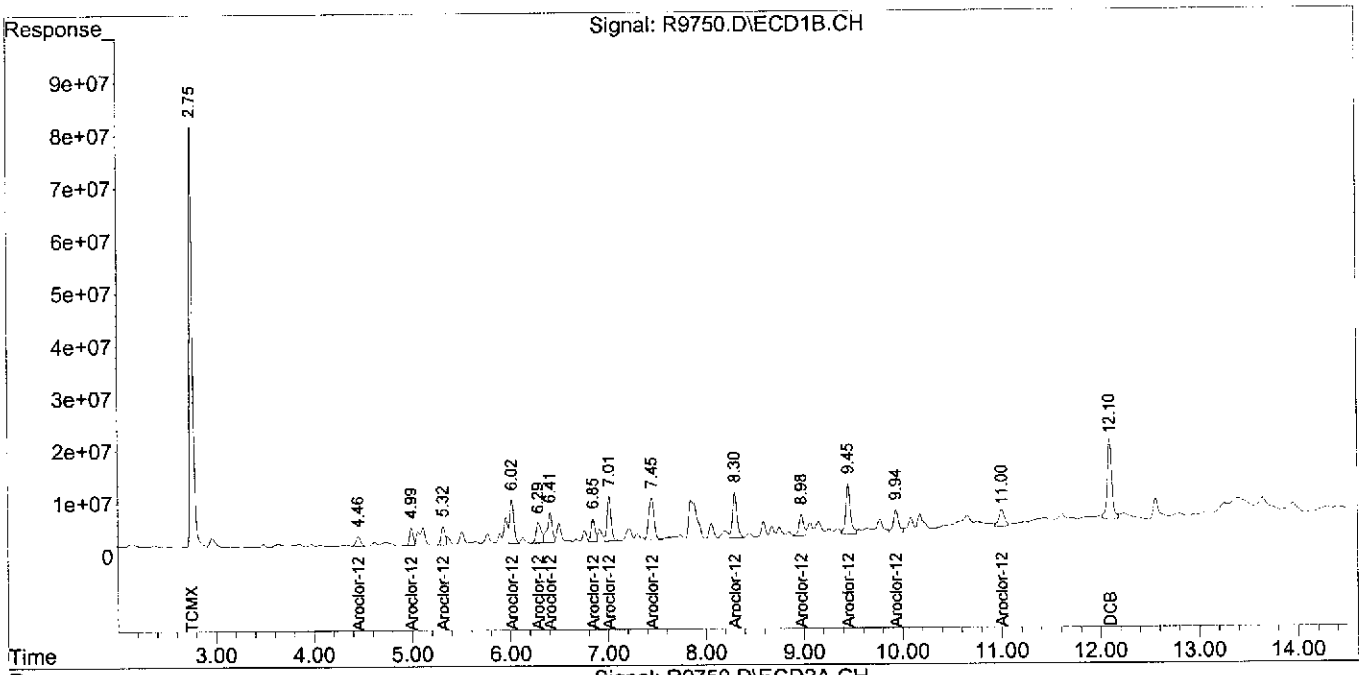
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

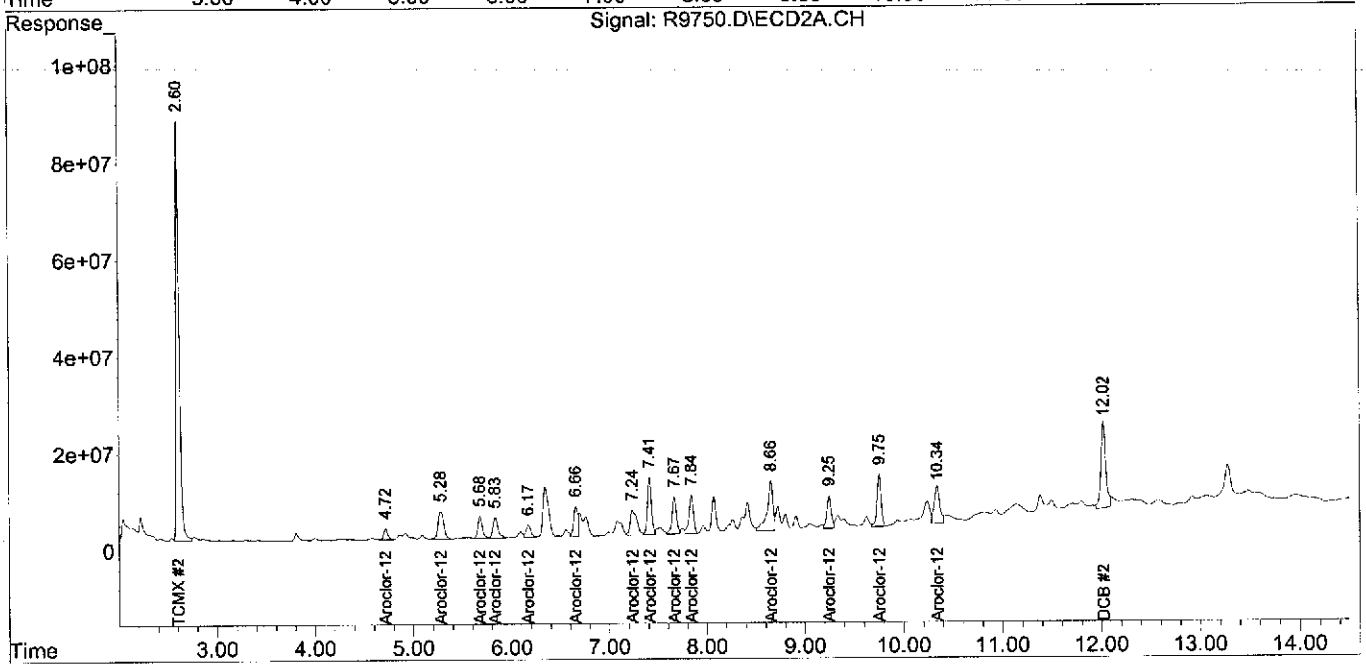
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9750.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 2:51
Operator : JS
Sample : P-40E_(4.0,03912-024,S,5.00g,22.4,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:02:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9751.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 3:08
Operator : JS
Sample : Q-41W_(8.0,03912-025,S,5.00g,49.7,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:04:54 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2	
System Monitoring Compounds							
1) S TCMX	2.75	2.60	1955.5E6	2214.0E6	145.050	146.208	
Spiked Amount 200.000			Recovery	=	72.53%	73.10%	
2) S DCB	12.10	12.02	664.9E6	713.6E6	218.443	206.428	
Spiked Amount 200.000			Recovery	=	109.22%	103.21%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
33) L8 Aroclor-1260	8.30	7.41	26469401	32237458	30.914	71.078	#
34) L8 Aroclor-1260 {2}	8.98	7.67	18273925	25802603	46.138m	39.059	
35) L8 Aroclor-1260 {3}	9.45	9.25	45396618	29022837	48.128m	52.417	
36) L8 Aroclor-1260 {4}	9.94	9.75	25091290	58324210	49.516m	50.806	
37) L8 Aroclor-1260 {5}	11.00	10.34	20076745	55228829	97.626m	67.543	#
Sum Aroclor-1260			135.3E6	200.6E6	272.323	280.905	
Average Aroclor-1260					54.465	56.181	
Sum Aroclor-1262			0	0	N.D.	N.D.	
Average Aroclor-1262					0.000	0.000	
Sum Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

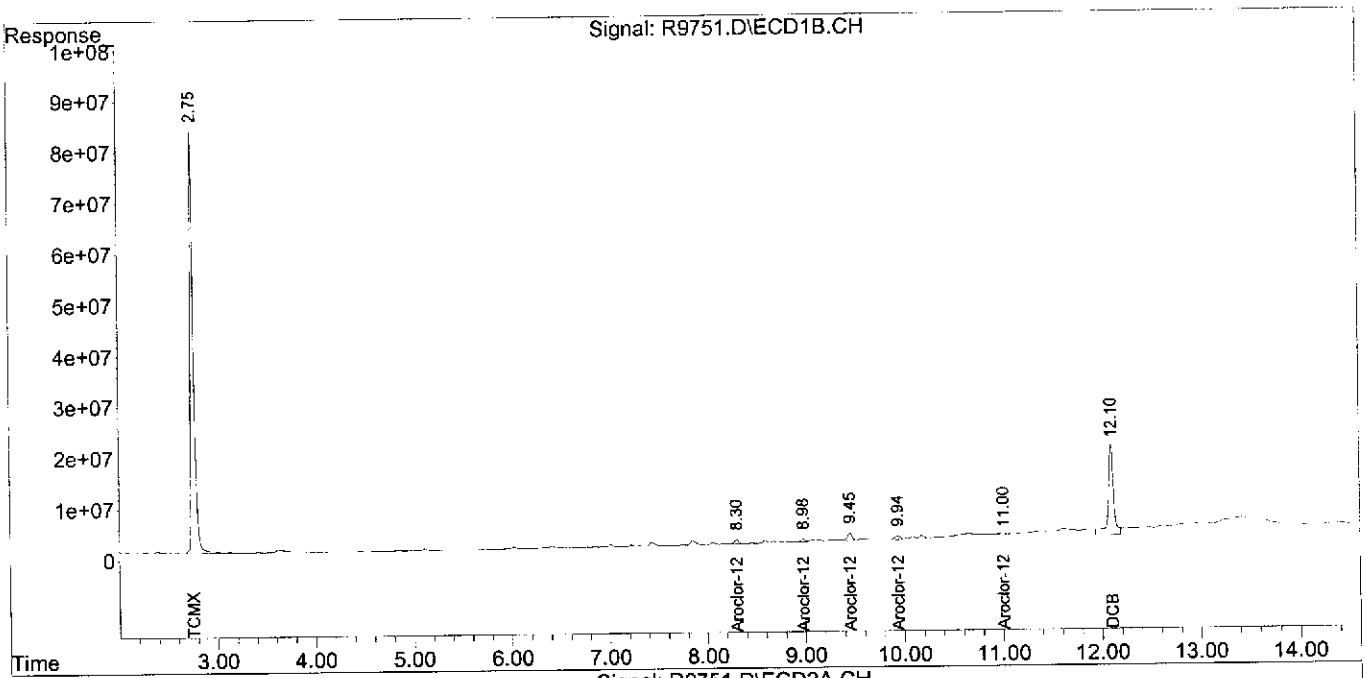
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

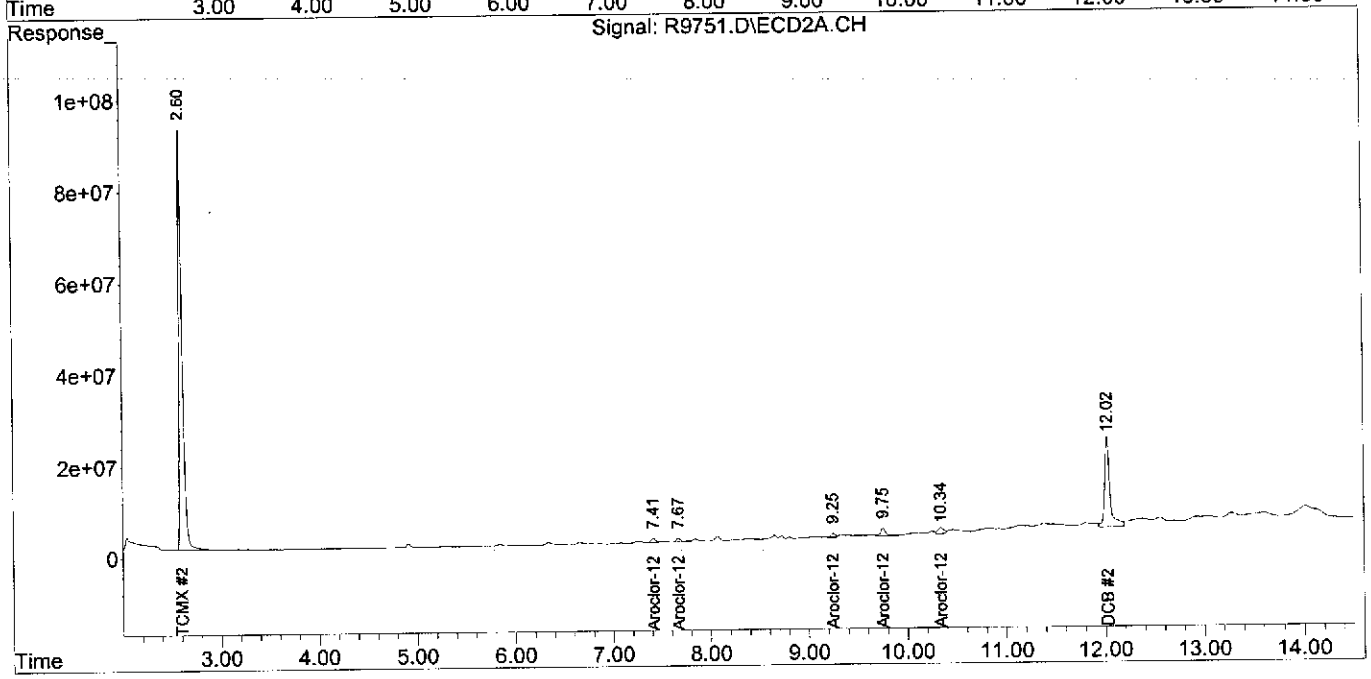
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9751.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 3:08
Operator : JS
Sample : Q-41W_(8.0,03912-025,S,5.00g,49.7,04/30/13,4
Misc : 130430-17,04/29/13,04/29/13,1
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 10:04:54 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-08-13\
Data File : R9872.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 23:30
Operator : JS
Sample : FB-79,03912-026,A,1000ml,100,05/03/13,1
Misc : 130503-10,04/29/13,04/29/13,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 14:23:49 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.60	2374.6E6	2669.7E6	176.136	176.299
Spiked Amount 200.000			Recovery	=	88.07%	88.15%
2) S DCB	12.10	12.02	633.5E6	716.7E6	208.141	207.328
Spiked Amount 200.000			Recovery	=	104.07%	103.66%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

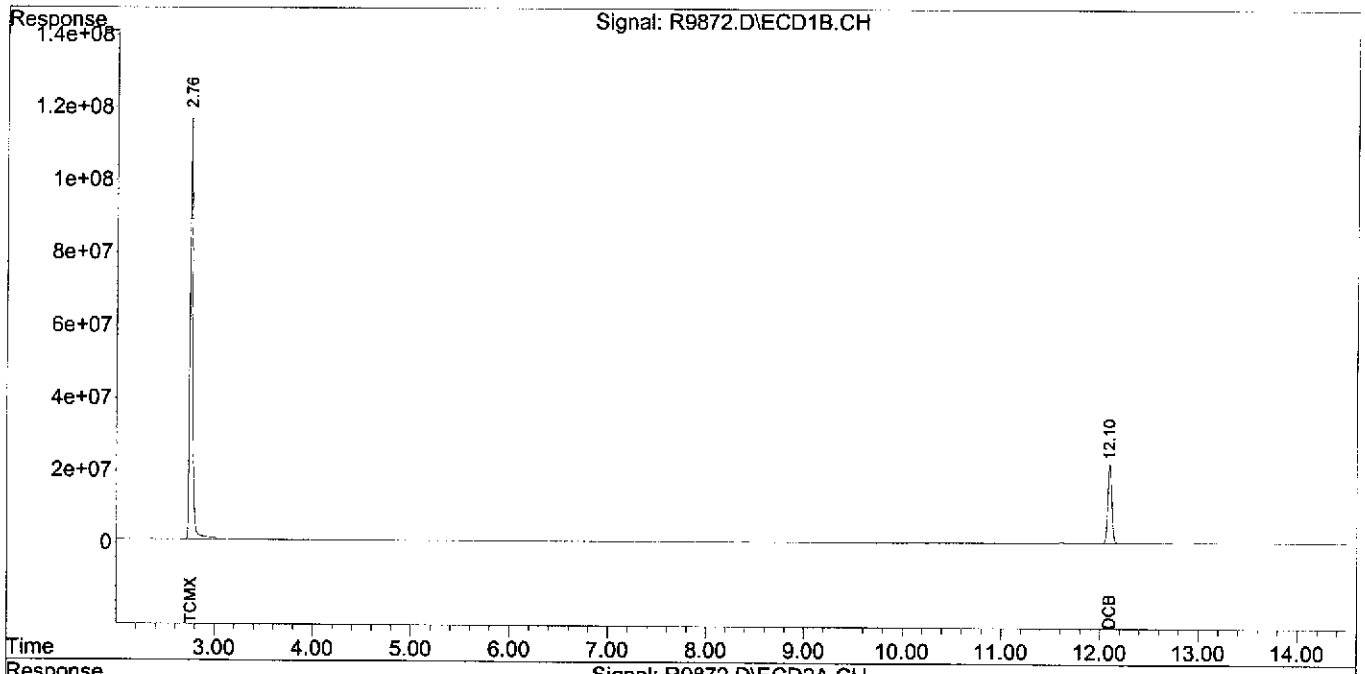
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

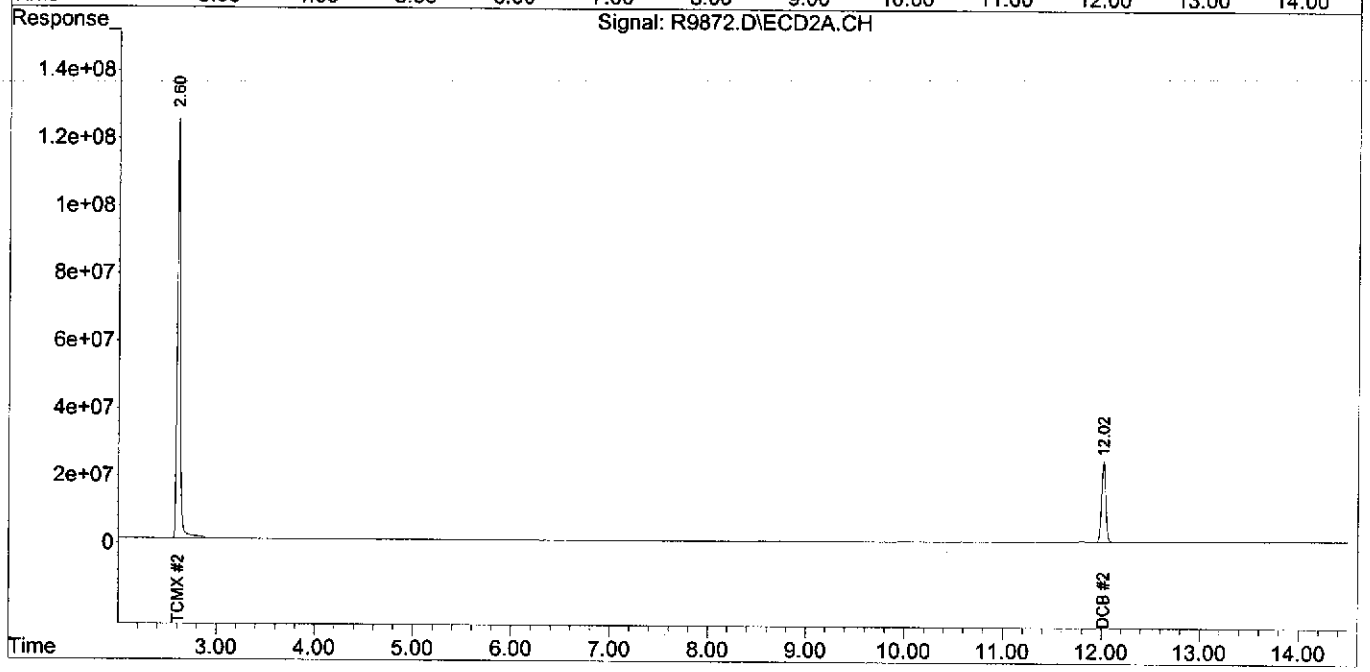
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-08-13\
Data File : R9872.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 23:30
Operator : JS
Sample : FB-79,03912-026,A,1000ml,100,05/03/13,1
Misc : 130503-10,04/29/13,04/29/13,1
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 14:23:49 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS130430-16
Client ID: PCB
Date Received: NA
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9757.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9757.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 6:02
Operator : JS
Sample : PCB,BLKS130430-16,S,5.00g,0,04/30/13,4
Misc : NA,NA,NA,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 17:46:35 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.75	2.60	1997.6E6	2195.6E6	148.175	144.993
Spiked Amount 200.000			Recovery	=	74.09%	72.50%
2) S DCB	12.10	12.02	493.4E6	542.6E6	162.117	156.971
Spiked Amount 200.000			Recovery	=	81.06%	78.49%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

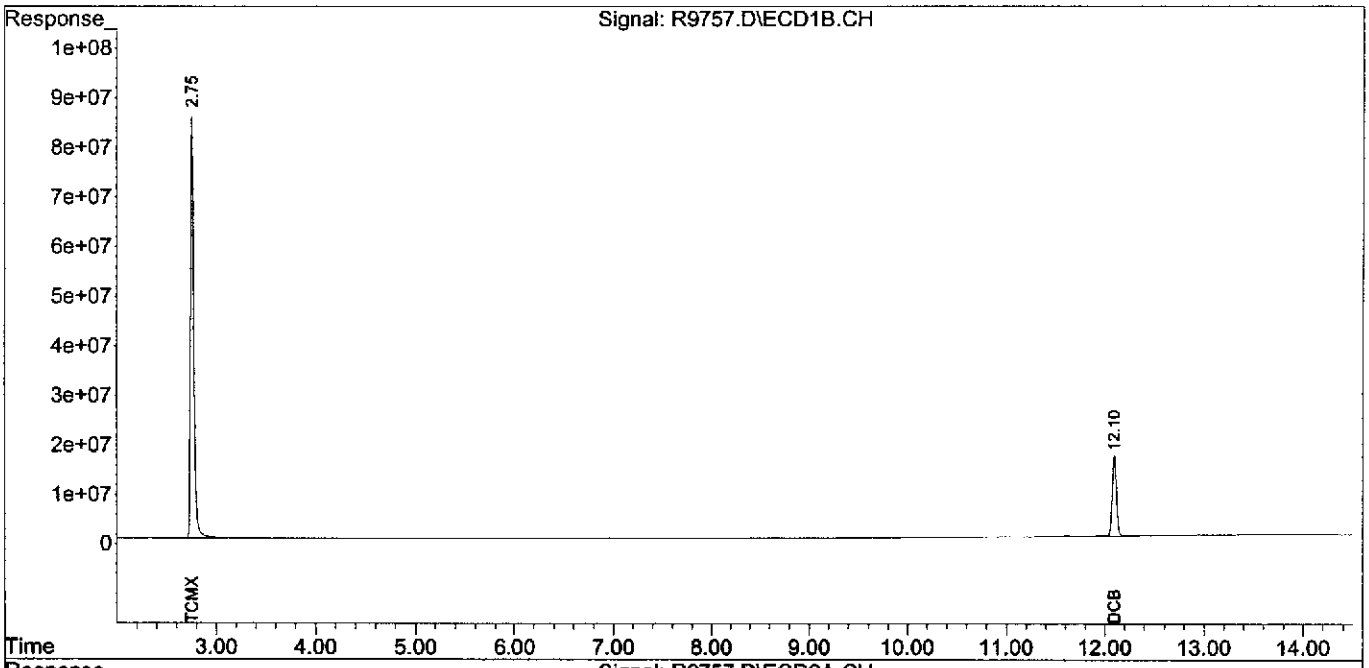
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

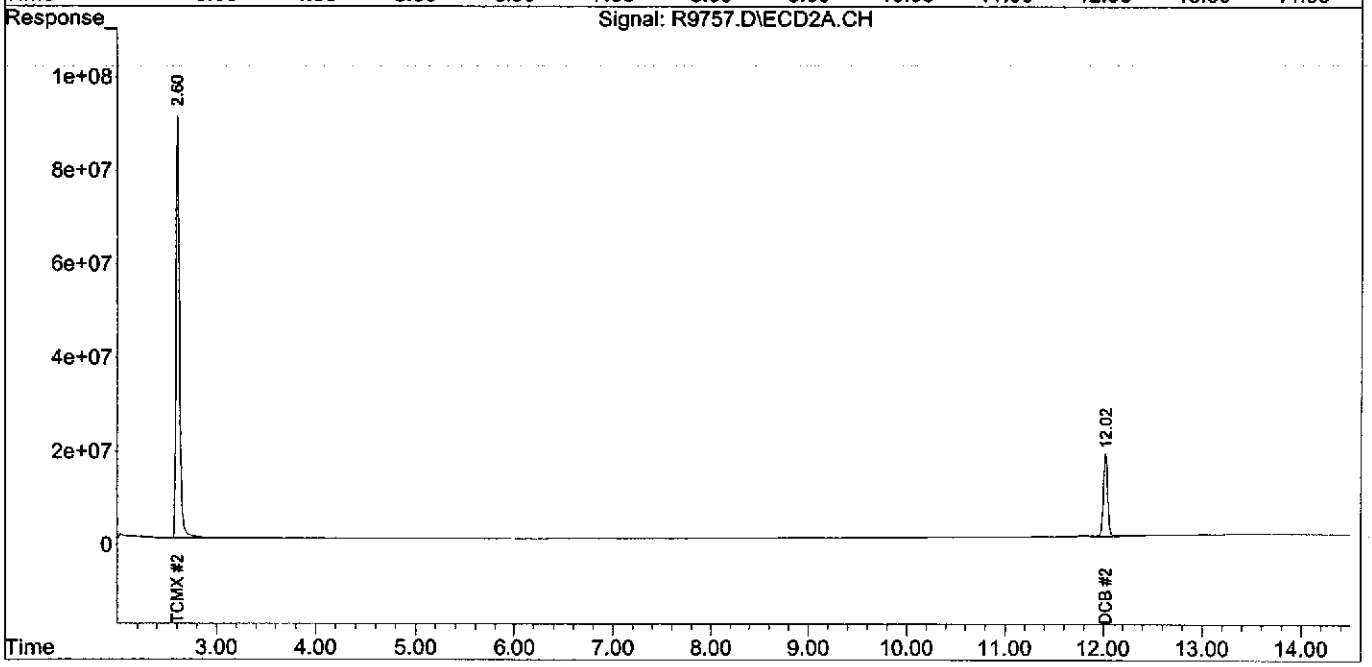
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9757.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 6:02
Operator : JS
Sample : PCB,BLKS130430-16,S,5.00g,0,04/30/13,4
Misc : NA,NA,NA,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 08 17:46:35 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS130430-17
Client ID: PCB
Date Received: NA
Date Extracted: 04/30/2013
Date Analyzed: 05/07/2013
Data file: R9741.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.00g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: NA

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.040	0.016
Aroclor-1221	ND		0.040	0.016
Aroclor-1232	ND		0.040	0.016
Aroclor-1242	ND		0.040	0.016
Aroclor-1248	ND		0.040	0.016
Aroclor-1254	ND		0.040	0.016
Aroclor-1260	ND		0.040	0.016
Aroclor-1262	ND		0.040	0.016
Aroclor-1268	ND		0.040	0.016
PCBs	ND		0.040	0.016

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9741.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 00:14
Operator : JS
Sample : PCB,BLKS130430-17,S,5.00g,0,04/30/13,4
Misc : NA,NA,NA,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 09:51:51 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.60	2001.7E6	2249.5E6	148.478	148.552
Spiked Amount 200.000			Recovery	=	74.24%	74.28%
2) S DCB	12.10	12.02	486.5E6	554.6E6	159.853	160.443
Spiked Amount 200.000			Recovery	=	79.93%	80.22%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

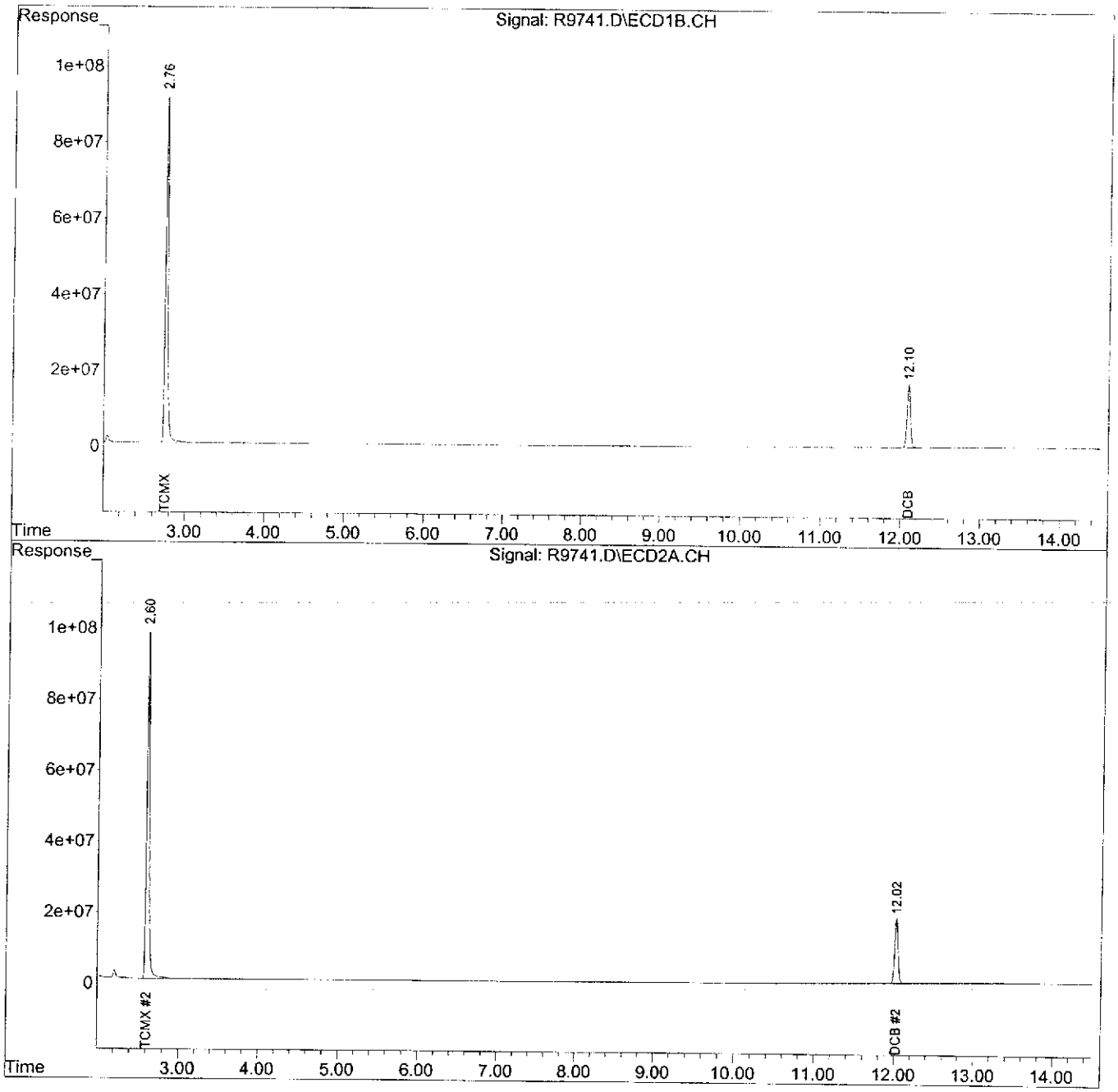
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-06-13\
Data File : R9741.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 07 May 2013 00:14
Operator : JS
Sample : PCB,BLKS130430-17,S,5.00g,0,04/30/13,4
Misc : NA,NA,NA,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 13 09:51:51 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Thu May 02 16:02:15 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA130503-10
Client ID: PCB
Date Received: NA
Date Extracted: 05/03/2013
Date Analyzed: 05/08/2013
Data file: R9870.D

GC Column: DB-5/DB1701P
Sample wt/vol: 1000ml
Matrix-Units: Aqueous-µg/L (ppb)
Dilution Factor: 1
% Moisture: 100

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.050	0.020
Aroclor-1221	ND		0.050	0.020
Aroclor-1232	ND		0.050	0.020
Aroclor-1242	ND		0.050	0.020
Aroclor-1248	ND		0.050	0.020
Aroclor-1254	ND		0.050	0.020
Aroclor-1260	ND		0.050	0.020
Aroclor-1262	ND		0.050	0.020
Aroclor-1268	ND		0.050	0.020
PCBs	ND		0.050	0.020

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-08-13\
Data File : R9870.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 22:55
Operator : JS
Sample : PCB,BLKA130503-10,A,1000ml,100,05/03/13,1
Misc : NA,NA,NA,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 14:22:09 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0417.M
Quant Title :
QLast Update : Tue May 07 17:48:41 2013
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.60	2229.6E6	2494.3E6	165.385	164.721
Spiked Amount 200.000			Recovery	=	82.69%	82.36%
2) S DCB	12.10	12.02	640.3E6	724.9E6	210.378	209.700
Spiked Amount 200.000			Recovery	=	105.19%	104.85%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-08-13\
Data File : R9870.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 08 May 2013 22:55
Operator : JS
Sample : PCB,BLKA130503-10,A,1000ml,100,05/03/13,1
Misc : NA,NA,NA,1
ALS Vial : 18 Sample Multiplier: 1

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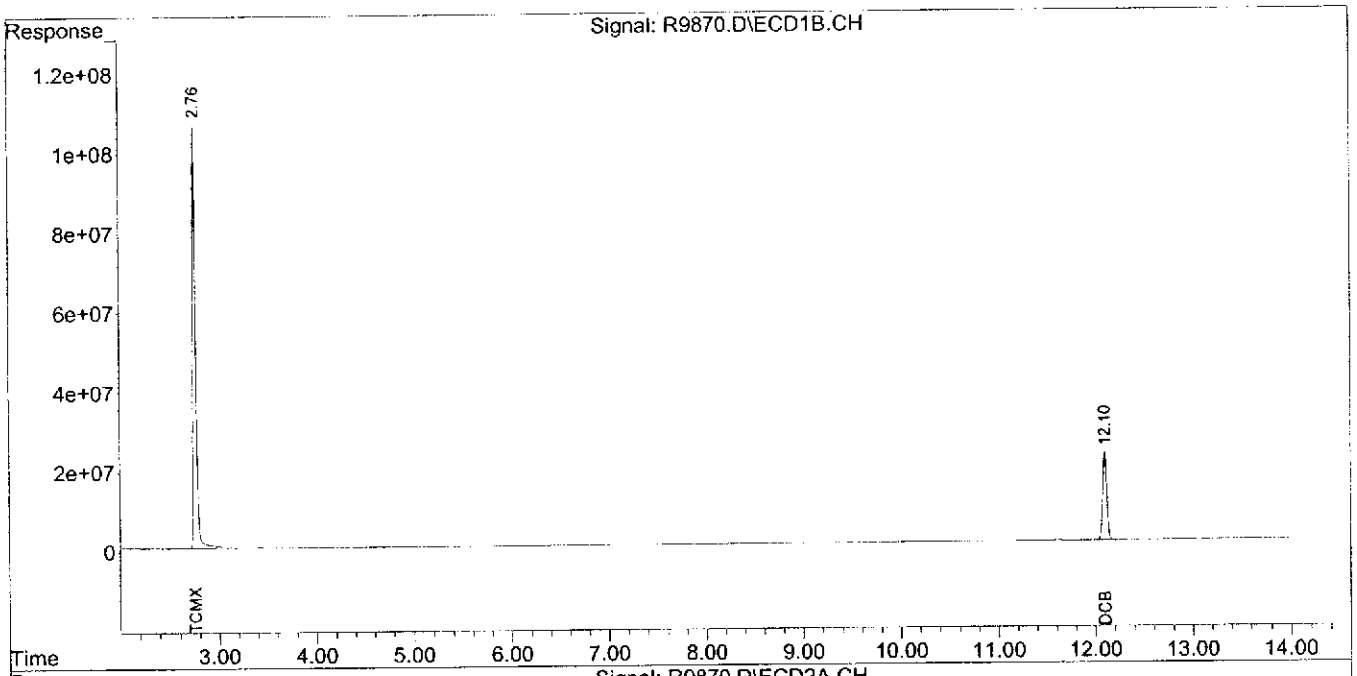
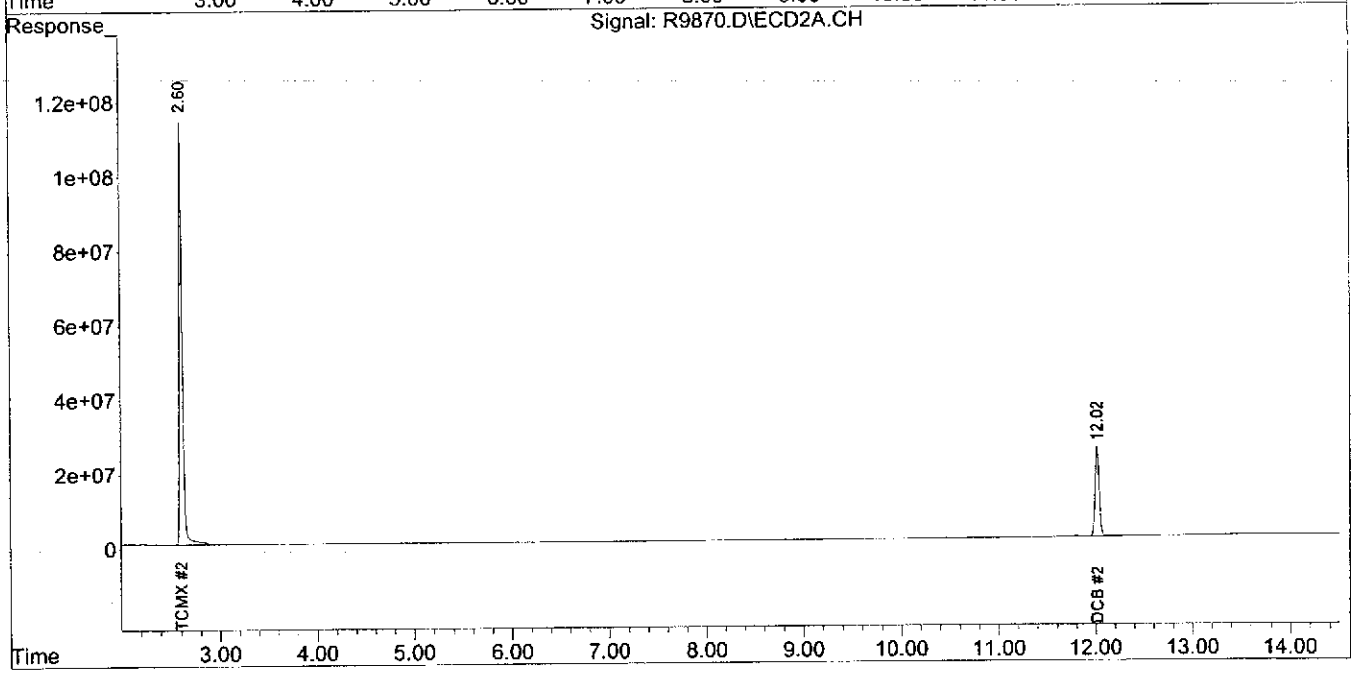
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





SAMPLE TRACKING

IAL
Integrated Analytical Laboratories LLC
Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869

Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

CUSTOMER INFO	REPORTING INFO
Company: JMC Environmental Consultants, Inc.	REPORT TO: James Clabby
Address: 2109 Bridge Ave., Bldg. B	Address: same
Point Pleasant, NJ 08742	
Telephone #: (732) 295-2144	Attn:
Fax #: (732) 295-2150	FAX # (732) 295-2150
Project Manager: James Clabby	INVOICE TO: Aceto Corp.
EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court
Sampler: Steve Kosch, Chris Cho	Port Washington, NY 11050
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))
Project Location (State): NJ	Attn: Ed Kelly
Bottle Order #:	PO # 22126
Quote # : SR041205	

Turnaround Time (starts the following day if samples rec'd at lab > 5PM)

*Lab notification is required for RUSH TAT prior to sample arrival. RUSH TAT IS NOT GUARANTEED WITHOUT LAB APPROVAL. **RUSH SURCHARGES WILL APPLY IF ABLE TO ACCOMMODATE

PHC - MUST CHOOSE

NJ EPH DRO (5 day TAT) NJ EPH Fractionated (5 day TAT)

NJ EPH - C40 (5 day TAT)

DRO-8015 (3-5 day TAT) QAM025 (5 day TAT)

Verbal/Fax: Std 2 wk unless otherwise specified

24 hr** 48 hr** 72 hr** 96 hr** 1 wk**

Other** (specify):

Hard Copy: Std 3 week * Other - call for price

Rush TAT Charge **: 24 hr - 100%... 48 hr - 75%.... 72 hr - 50%.... 96 hr - 35%.... 5 day - 25%.... 6-9 day 10%

Report Format: Results Only; Reduced; Regulatory - 15% Surcharge applies; Other (describe)

EDDs: SRP format; lab approved custom EDD; NO EDD/CD REQ'D

Cooler Temp ___<4___ °C

SAMPLE INFORMATION

Sample Matrix: DW - Drinking Water AQ - Aqueous WW - Waste Water OI - Oil LIQ - Liquid (Specify) OT - Other (Specify) S - Soil SL - Sludge SOL - Solid W - Wipe

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
Q-39E (4.0-6.0)		4/29/13	9:30	S	1	1	X						
Q-39E (6.0-8.0)		4/29/13	9:31	S	1	2	X						
R-40W (2.0-4.0)			9:55	S	1	3	X						
R-40W (4.0-6.0)			9:56	S	1	4	X						
R-40W (6.0-8.0)			9:57	S	1	5	X						
Q-41E (2.0-4.0)			10:20	S	1	6	X						
Q-41E (8.0-10.0)			10:21	S	1	7	X						
Q-42E (4.0-6.0)			10:38	S	1	8	X						

Known Hazard: Yes or No Describe: Conc. Expected: Low Med High

MDL Req: GWQS (11/08) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): ____IAL Courier ____Client Courier ____FedEx/UPS

	Signature/Company	Date	Time		Signature/Company	Date	Time
Relinquished by:	[signature]	4/29/13	1530	Received by:	[signature]	4/29/13	1530
Relinquished by:	[signature]	4/29/13	1811	Received by:	[signature]	4/29/13	1811
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 03912

PAGE: 1 of 4

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EMAIL Address: jclabby@jmcenvironmental.com	Address: 4 Tri Harbor Court
Sampler: Steve Kosch, Chris Cho	Port Washington, NY 11050
Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))
Project Location (State): NJ	Attn: Ed Kelly
Bottle Order #:	PO # 22126
Quote # : SR041205	

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PHC - MUST CHOOSE

NJ EPH DRO (5 day TAT) — NJ EPH Fractionated (5 day TAT)

NJ EPH - C40 (5 day TAT)

DRO-8015 (3-5 day TAT) — QAM025 (5 day TAT)

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24 hr** 48 hr** 72 hr** 96 hr** 1 wk**

Other** (specify):

Hard Copy: Std 3 week * — Other - call for price

Rush TAT Charge **: 24 hr - 100%.... 48 hr - 75%.... 72 hr - 50%.... 96 hr - 35%.... 5 day - 25%.... 6-9 day 10%

Report Format: Results Only — Reduced — Regulatory - 15% Surcharge applies — Other (describe)

EDDs: SRP format — lab approved custom EDD — NO EDD/CD REQ'D

Cooler Temp ___<4___ °C

SAMPLE INFORMATION

Sample Matrix: DW - Drinking Water AQ - Aqueous WW - Waste Water OI - Oil LIQ - Liquid (Specify) OT - Other (Specify) S - Soil SL - Sludge SOL - Solid W - Wipe

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
Q-43N (2.0-4.0)		4/29/13	10:50	S	1	9	x						
Q-41S (2.0-4.0)			11:21	S	1	10	x						
Q-41S (8.0-10.0)			11:22	S	1	11	x						
Q-41N (4.0-6.0)			11:53	S	1	12	x						
Q-41N (8.0-10.0)			11:54	S	1	13	x						
Q-39S (2.0-4.0)			12:24	S	1	14	x						
Q-39S (4.0-6.0)			12:25	S	1	15	x						
Q-39S (6.0-8.0)			12:26	S	1	16	x						

Known Hazard: Yes or No Describe: Conc. Expected: Low Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

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Carrier (check one): ____ IAL Courier ____ Client Courier ____ FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	4/29/13	1530	Received by:	4/29/13	1530
Relinquished by:	4/29/13	1811	Received by:	4/29/13	1811
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 03912

PAGE: 2 of 4

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Project Name: Arsynco	(with copy to: JMC Environmental (attn.: J. Clabby))
Project Location (State): NJ	Attn: Ed Kelly
Bottle Order #:	PO # 22126
Quote # : SR041205	

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Cooler Temp ___<4___ °C 15

Sample Matrix

DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
Q-39N (0-20)		4/29/13	1:05	S	1	17	x						
Q-39N (20-40)			1:06	S	1	18	x						
Q-39N (40-60)			1:07	S	1	19	x						
Q-39N (60-80)			1:08	S	1	20	x						
Q-38N (0-20)			1:22	S	1	21	x						
Q-38W (0-20)			1:37	S	1	22	x						
Q-39W (0-20)			2:15	S	1	23	x						
P-40E (40-60)			2:40	S	1	24	x						

Known Hazard: Yes or No Describe: Conc. Expected: Low Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

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Relinquished by:		4/29/13	1811	Received by:		4/29/13	1811
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

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Comments:

Lab Case # 03912

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Hard Copy: Std 3 week * Other - call for price

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Report Format: Results Only; Reduced; Regulatory - 15% Surcharge applies; Other (describe)

EDDs: SRP format; lab approved custom EDD; NO EDD/CD REQ'D

Cooler Temp 4 °C

SAMPLE INFORMATION

Sample Matrix
DW - Drinking Water AQ - Aqueous WW - Waste Water
OI - Oil LIQ - Liquid (Specify) OT - Other (Specify)
S - Soil SL - Sludge SOL - Solid W - Wipe

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
Q-41W 80-100		4/29/13	3:05	S	1	25	X						
FB-79		4/29/13	3:18	AQ	2	26	X						
							X						
							X						
							X						
							X						
							X						
							X						
							X						

Known Hazard: Yes or No Describe:

Conc. Expected: Low Med High

MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Carrier (check one): _____ IAL Courier _____ Client Courier _____ FedEx/UPS

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	4/29/13	1530	Received by:	4/29/13	1530
Relinquished by:	4/29/13	1811	Received by:	4/29/13	1811
Relinquished by:			Received by:		
Relinquished by:			Received by:		
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Lab Case # 03912

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PROJECT INFORMATION

E13-03912

Case No. E13-03912 **Project** ARSYNCO

Customer	**JMC Environmental Consultants**	**P.O. #**	22126
Contact	Jim Clabby	**Received**	4/29/2013 18:11
EMail	jclabby@jmcenvironmental.com; ahallgreen@jmcenvironmental.co	☑ EMail EDDs	**Verbal Due** 5/14/2013
Phone	(732)295-2144 kadams@jmcenvironmental.com;	**Fax** (732) 295-2150	**Report Due** 5/21/2013
Report To	dbosch@jmcenvironmental.com; echo@jmcenvironmental.com		**Bill To**
2109 Bridge Avenue			Aceto Corp.
Building B			4 Tri Harbor Court
Point Pleasant, NJ 08742			Port Washington, NY 11050
Attn: Jim Clabby			Attn: Mr. Ed Kelly

Report Format **Reduced**

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
03912-001	Q-39E (4.0-6.0)	4 / 6	4/29/2013@09:30	Soil	mg/Kg	1
03912-002	Q-39E (6.0-8.0)	6 / 8	4/29/2013@09:31	Soil	mg/Kg	1
03912-003	R-40W (2.0-4.0)	2 / 4	4/29/2013@09:55	Soil	mg/Kg	1
03912-004	R-40W (4.0-6.0)	4 / 6	4/29/2013@09:56	Soil	mg/Kg	1
03912-005	R-40W (6.0-8.0)	6 / 8	4/29/2013@09:57	Soil	mg/Kg	1
03912-006	Q-41E (2.0-4.0)	2 / 4	4/29/2013@10:20	Soil	mg/Kg	1
03912-007	Q-41E (8.0-10.0)	8 / 10	4/29/2013@10:21	Soil	mg/Kg	1
03912-008	Q-42E (4.0-6.0)	4 / 6	4/29/2013@10:38	Soil	mg/Kg	1
03912-009	Q-43N (2.0-4.0)	2 / 4	4/29/2013@10:50	Soil	mg/Kg	1
03912-010	Q-41S (2.0-4.0)	2 / 4	4/29/2013@11:21	Soil	mg/Kg	1
03912-011	Q-41S (8.0-10.0)	8 / 10	4/29/2013@11:22	Soil	mg/Kg	1
03912-012	Q-41N (4.0-6.0)	4 / 6	4/29/2013@11:53	Soil	mg/Kg	1
03912-013	Q-41N (8.0-10.0)	8 / 10	4/29/2013@11:54	Soil	mg/Kg	1
03912-014	Q-39S (2.0-4.0)	2 / 4	4/29/2013@12:24	Soil	mg/Kg	1
03912-015	Q-39S (4.0-6.0)	4 / 6	4/29/2013@12:25	Soil	mg/Kg	1
03912-016	Q-39S (6.0-8.0)	6 / 8	4/29/2013@12:26	Soil	mg/Kg	1
03912-017	Q-39N (0-2.0)	0 / 2	4/29/2013@13:05	Soil	mg/Kg	1
03912-018	Q-39N (2.0-4.0)	2 / 4	4/29/2013@13:06	Soil	mg/Kg	1
03912-019	Q-39N (4.0-6.0)	4 / 6	4/29/2013@13:07	Soil	mg/Kg	1
03912-020	Q-39N (6.0-8.0)	6 / 8	4/29/2013@13:08	Soil	mg/Kg	1
03912-021	Q-38N (0-2.0)	0 / 2	4/29/2013@13:22	Soil	mg/Kg	1
03912-022	Q-38W (0-2.0)	0 / 2	4/29/2013@13:37	Soil	mg/Kg	1
03912-023	Q-39W (0-2.0)	0 / 2	4/29/2013@14:15	Soil	mg/Kg	1
03912-024	P-40E (4.0-6.0)	4 / 6	4/29/2013@14:40	Soil	mg/Kg	1
03912-025	Q-41W (8.0-10.0)	8 / 10	4/29/2013@15:05	Soil	mg/Kg	1
03912-026	FB-79	n/a	4/29/2013@15:18	Aqueous	mg/L	2

Sample #	Tests	Status	QA Method
001	TCL PCB	In Process	8082

PROJECT INFORMATION

E13-03912

Case No. E13-03912 Project ARSYNCO

Sample #	Tests	Status	QA Method
002	TCL PCB	In Process	8082
003	TCL PCB	In Process	8082
004	TCL PCB	In Process	8082
005	TCL PCB	In Process	8082
006	TCL PCB	In Process	8082
007	TCL PCB	In Process	8082
008	TCL PCB	In Process	8082
009	TCL PCB	In Process	8082
010	TCL PCB	In Process	8082
011	TCL PCB	In Process	8082
012	TCL PCB	In Process	8082
013	TCL PCB	In Process	8082
014	TCL PCB	In Process	8082
015	TCL PCB	In Process	8082
016	TCL PCB	In Process	8082
017	TCL PCB	In Process	8082
018	TCL PCB	In Process	8082
019	TCL PCB	In Process	8082
020	TCL PCB	In Process	8082
021	TCL PCB	In Process	8082
022	TCL PCB	In Process	8082
023	TCL PCB	In Process	8082
024	TCL PCB	In Process	8082
025	TCL PCB	In Process	8082
026	TCL PCB	Run	8082

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 13** **03912** CLIENT: JMC

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

COC: (COMPLETE) / INCOMPLETE

Comments

KEY

✓ **= YES/NA**
✗ **= NO**

VOA received: (check one) ☐ Encore ☐ IGW - Methanol ☐ Terra Core ☐ No Preservative

✓ Bottles Intact
✓ no-Missing Bottles
✓ no-Extra Bottles

✓ Sufficient Sample Volume
✓ no-headspace/bubbles in VOs
✓ Labels intact/correct
✓ pH Check (exclude VOs)[1]
✓ Correct bottles/preservative
✓ Sufficient Holding/Prep Time[1]
☐ Multiphasic Sample
☐ Sample to be Subcontracted
✓ **Chain of Custody is Clear**

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [signature] DATE 4/29/13

CORRECTIVE ACTION REQUIRED: **YES** ☐ (SEE BELOW) **NO** ☐

If COC is **NOT** clear, ***STOP*** until you get client to authorize/clarify work.

CLIENT NOTIFIED: YES ☐ Date/ Time: _____ NO ☐
PROJECT CONTACT:
SUBCONTRACTED LAB:
DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [signature] DATE 4-30-13

Laboratory Custody Chronicle

IAL Case No.

E13-03912

Client JMC Environmental Consultants

Project ARSYNCO

Received On 4/29/2013@18:11

Department: GC

			Prep. Date	Analyst	Analysis Date	Analyst
TCL PCB	03912-001	Soil	4/30/13	Archimede	5/ 7/13	Justyna
"	-002	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-003	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-004	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-005	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-006	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-007	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-008	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-009	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-010	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-011	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-012	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-013	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-014	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-015	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-016	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-017	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-018	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-019	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-020	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-021	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-022	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-023	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-024	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-025	"	4/30/13	Archimede	5/ 7/13	Justyna
"	-026	Aqueous	5/ 3/13	Archimede	5/ 8/13	Justyna

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