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: **E13-03992**

These data have been reviewed and accepted by:

Michael H. Leffin, Ph.D.
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of Integrated Analytical Laboratories, LLC. The test results included in this report relate only to the samples analyzed. The results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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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.

E13-03992

Client JMC Environmental Consultants

Project ARSYNCO

Received On 5/ 1/2013@17:05

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
03992-001	Q-42W (2.0-4.0)	2/4	5/ 1/2013@08:58	Soil	1
03992-002	Q-42W (4.0-6.0)	4/6	5/ 1/2013@08:59	Soil	1
03992-003	P-43N (4.0-6.0)	4/6	5/ 1/2013@09:14	Soil	1
03992-004	P-41S (2.0-4.0)	2/4	5/ 1/2013@09:35	Soil	1
03992-005	P-41S (4.0-6.0)	4/6	5/ 1/2013@09:36	Soil	1
03992-006	P-39S (0-2.0)	0/2	5/ 1/2013@09:51	Soil	1
03992-007	P-39S (2.0-4.0)	2/4	5/ 1/2013@09:52	Soil	1
03992-008	P-39N (0-2.0)	0/2	5/ 1/2013@10:11	Soil	1
03992-009	P-39N (2.0-4.0)	2/4	5/ 1/2013@10:12	Soil	1
03992-010	P-39N (4.0-6.0)	4/6	5/ 1/2013@10:13	Soil	1
03992-011	P-39W (0-2.0)	0/2	5/ 1/2013@10:34	Soil	1
03992-012	P-39W (2.0-4.0)	2/4	5/ 1/2013@10:35	Soil	1
03992-013	P-39W (4.0-5.25)	4/5.25	5/ 1/2013@10:36	Soil	1
03992-014	P-39W (5.25-6.0)	5.25/6	5/ 1/2013@10:37	Soil	1
03992-015	P-40W (4.0-5.0)	4/5	5/ 1/2013@11:08	Soil	1
03992-016	P-40W (5.0-6.0)	5/6	5/ 1/2013@11:09	Soil	1
03992-017	P-41W (2.0-4.0)	2/4	5/ 1/2013@11:27	Soil	1
03992-018	P-41W (4.0-6.0)	4/6	5/ 1/2013@11:28	Soil	1
03992-019	P-43W (4.0-6.0)	4/6	5/ 1/2013@11:45	Soil	1
03992-020	P-44W (4.0-6.0)	4/6	5/ 1/2013@12:02	Soil	1
03992-021	P-44E (4.0-6.0)	4/6	5/ 1/2013@12:20	Soil	1
03992-022	Q-43S (0-2.0)	0/2	5/ 1/2013@12:56	Soil	1
03992-023	Q-43S (4.0-5.0)	4/5	5/ 1/2013@12:57	Soil	1
03992-024	Q-43S (5.0-6.0)	5/6	5/ 1/2013@12:58	Soil	1
03992-025	Q-45N (0-2.0)	0/2	5/ 1/2013@13:16	Soil	1
03992-026	Q-45N (2.0-4.0)	2/4	5/ 1/2013@13:17	Soil	1
03992-027	Q-46N (0-2.0)	0/2	5/ 1/2013@13:32	Soil	1
03992-028	Q-46N (2.0-4.0)	2/4	5/ 1/2013@13:33	Soil	1
03992-029	P-45E (0-2.0)	0/2	5/ 1/2013@13:50	Soil	1
03992-030	P-45E (2.0-4.0)	2/4	5/ 1/2013@13:51	Soil	1
03992-031	Q-46W (0-2.0)	0/2	5/ 1/2013@14:02	Soil	1
03992-032	P-45S (0-2.0)	0/2	5/ 1/2013@14:14	Soil	1
03992-033	P-44S (4.0-6.0)	4/6	5/ 1/2013@14:28	Soil	1
03992-034	O-46E (2.0-4.0)	2/4	5/ 1/2013@14:42	Soil	1
03992-035	O-46S (2.0-4.0)	2/4	5/ 1/2013@14:54	Soil	1
03992-036	O-46N (2.0-4.0)	2/4	5/ 1/2013@15:04	Soil	1
03992-037	O-46W (0-2.0)	0/2	5/ 1/2013@15:15	Soil	1
03992-038	O-46W (2.0-4.0)	2/4	5/ 1/2013@15:16	Soil	1
03992-039	FB-80	n/a	5/ 1/2013@15:22	Aqueous	2

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on May 17, 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 thirty-eight (38) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-03992, Project: ARSYNCO) on May 1, 2013 for the analysis of:

(39) 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

5/17/13
Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03992

PCB By 8082

Batch ID: 130503-02	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. For samples: 005, 006, 008, 009, 003, 004, 010 surrogate was diluted out. Surrogate for sample 001 did not pass QC limits due to matrix interference.
- 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: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012

E13-03992

- 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 due to high concentration of the target compound: 001 with 2x dil.; 002 with 10x dil.; 003, 006, 008, 009 with 50x dil.; 004, 010 with 100x dil.; 005 with 500x dil.; 011 with 5x dil.;011 with 5x dil. All samples with dilution besides sample 001 did not pass NJ SRS criteria. The rest of the samples were run straight.

5/17/2013

Signature Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03992

PCB By 8082

Batch ID: 130503-03	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. For sample 019, 028, 031 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: 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 028, 029, 030, 031, 032

E13-03992

- 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: 017, 022, 025, 030 with 10x dil.; 018 with 5x dil.; 019 with 200x dil.; 023 with 20x dil.; 031 with 100x dil.; 028 with 50x dil. All samples with dilution did not pass NJ SRS criteria. Sample 030 ran at a 10x dilution..The rest of the samples were run straight.

5/17/2013

Signature Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03992

PCB By 8082

Batch ID: 130503-08	**Matrix: Soil**

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: 033, 034, 035, 036, 037, 038
- For samples 033, 035 surrogate was diluted out.

E13-03992

- 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 dilutions: 033 with 500x dil.; 035 with 50x dil.; 036 with 5x dil.; 037 with 10x dil. All dilution were done due to high concentration of the target compound All of them did not pass NJ SRS criteria. The rest of them were run straight.

ADenno 5/17/2013

Signature Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03992

PCB By 8082

Batch ID: 130507-08	**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.

E13-03992
- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution was performed.

5/11/2013

Signature Date

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03992

Lab ID:	**03992-039**		
Client ID:	**FB-80**		
Matrix:	**Aqueous**		
Sampled Date	**5/1/13**		
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:	**03992-001**			**03992-002**			**03992-003**			**03992-004**		
Client ID:	**Q-42W (2.0-4.0)**			**Q-42W (4.0-6.0)**			**P-43N (4.0-6.0)**			**P-41S (2.0-4.0)**		
Depth:	**2/4**			**4/6**			**4/6**			**2/4**		
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**		
Sampled Date	**5/1/13**			**5/1/13**			**5/1/13**			**5/1/13**		
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		0.038	ND		0.181	ND		1.08	ND		1.60
Aroclor-1221	ND		0.038	ND		0.181	ND		1.08	ND		1.60
Aroclor-1232	ND		0.038	ND		0.181	ND		1.08	ND		1.60
Aroclor-1242	ND		0.038	ND		0.181	ND		1.08	ND		1.60
Aroclor-1248	6.22		0.038	38.1		0.181	186		1.08	72.0		1.60
Aroclor-1254	ND		0.038	ND		0.181	ND		1.08	ND		1.60
Aroclor-1260	ND		0.038	12.2		0.181	112		1.08	23.8		1.60
Aroclor-1262	ND		0.038	ND		0.181	ND		1.08	ND		1.60
Aroclor-1268	ND		0.038	ND		0.181	ND		1.08	ND		1.60
PCBs	6.22		0.038	50.3		0.181	298		1.08	95.8		1.60

Lab ID:	**03992-005**			**03992-006**			**03992-007**			**03992-008**		
Client ID:	**P-41S (4.0-6.0)**			**P-39S (0-2.0)**			**P-39S (2.0-4.0)**			**P-39N (0-2.0)**		
Depth:	**4/6**			**0/2**			**2/4**			**0/2**		
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**		
Sampled Date	**5/1/13**			**5/1/13**			**5/1/13**			**5/1/13**		
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		11.3	ND		0.954	ND		0.016	ND		0.843
Aroclor-1221	ND		11.3	ND		0.954	ND		0.016	ND		0.843
Aroclor-1232	ND		11.3	ND		0.954	ND		0.016	ND		0.843
Aroclor-1242	ND		11.3	ND		0.954	ND		0.016	ND		0.843
Aroclor-1248	ND		11.3	48.7		0.954	0.083		0.016	100		0.843
Aroclor-1254	1580		11.3	ND		0.954	ND		0.016	ND		0.843
Aroclor-1260	ND		11.3	127		0.954	0.130		0.016	13.5		0.843
Aroclor-1262	ND		11.3	ND		0.954	ND		0.016	ND		0.843
Aroclor-1268	ND		11.3	ND		0.954	ND		0.016	ND		0.843
PCBs	1580		11.3	176		0.954	0.213		0.016	114		0.843

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03992

Lab ID:	03992-009			03992-010			03992-011			03992-012		
Client ID:	P-39N (2.0-4.0)			P-39N (4.0-6.0)			P-39W (0-2.0)			P-39W (2.0-4.0)		
Depth:	2/4			4/6			0/2			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	5/1/13			5/1/13			5/1/13			5/1/13		
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		0.856	ND		2.60	ND		0.086	ND		0.017
Aroclor-1221	ND		0.856	ND		2.60	ND		0.086	ND		0.017
Aroclor-1232	ND		0.856	ND		2.60	ND		0.086	ND		0.017
Aroclor-1242	ND		0.856	ND		2.60	ND		0.086	ND		0.017
Aroclor-1248	ND		0.856	ND		2.60	9.93		0.086	ND		0.017
Aroclor-1254	244		0.856	822		2.60	ND		0.086	ND		0.017
Aroclor-1260	94.5		0.856	332		2.60	12.4		0.086	ND		0.017
Aroclor-1262	ND		0.856	ND		2.60	ND		0.086	ND		0.017
Aroclor-1268	ND		0.856	ND		2.60	ND		0.086	ND		0.017
PCBs	339		0.856	1150		2.60	22.3		0.086	ND		0.017

Lab ID:	03992-013			03992-014			03992-015			03992-016		
Client ID:	P-39W (4.0-5.25)			P-39W (5.25-6.0)			P-40W (4.0-5.0)			P-40W (5.0-6.0)		
Depth:	4/5.25			5.25/6			4/5			5/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	5/1/13			5/1/13			5/1/13			5/1/13		
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		0.067	ND		0.020	ND		0.017	ND		0.064
Aroclor-1221	ND		0.067	ND		0.020	ND		0.017	ND		0.064
Aroclor-1232	ND		0.067	ND		0.020	ND		0.017	ND		0.064
Aroclor-1242	ND		0.067	ND		0.020	ND		0.017	ND		0.064
Aroclor-1248	ND		0.067	ND		0.020	0.029	J	0.017	8.36		0.064
Aroclor-1254	ND		0.067	ND		0.020	ND		0.017	ND		0.064
Aroclor-1260	ND		0.067	ND		0.020	ND		0.017	4.53		0.064
Aroclor-1262	ND		0.067	ND		0.020	ND		0.017	ND		0.064
Aroclor-1268	ND		0.067	ND		0.020	ND		0.017	ND		0.064
PCBs	ND		0.067	ND		0.020	0.029	J	0.017	12.9		0.064

Lab ID:	03992-017			03992-018			03992-019			03992-020		
Client ID:	P-41W (2.0-4.0)			P-41W (4.0-6.0)			P-43W (4.0-6.0)			P-44W (4.0-6.0)		
Depth:	2/4			4/6			4/6			4/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	5/1/13			5/1/13			5/1/13			5/1/13		
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		0.197	ND		0.114	ND		3.96	ND		0.064
Aroclor-1221	ND		0.197	ND		0.114	ND		3.96	ND		0.064
Aroclor-1232	ND		0.197	ND		0.114	ND		3.96	ND		0.064
Aroclor-1242	ND		0.197	ND		0.114	ND		3.96	ND		0.064
Aroclor-1248	48.7		0.197	ND		0.114	716		3.96	1.00		0.064
Aroclor-1254	ND		0.197	18.1		0.114	ND		3.96	ND		0.064
Aroclor-1260	25.4		0.197	ND		0.114	176		3.96	ND		0.064
Aroclor-1262	ND		0.197	ND		0.114	ND		3.96	ND		0.064
Aroclor-1268	ND		0.197	ND		0.114	ND		3.96	ND		0.064
PCBs	74.1		0.197	18.1		0.114	892		3.96	1.00		0.064

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the RL and above the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03992

Lab ID:	03992-021			03992-022			03992-023			03992-024		
Client ID:	P-44E (4.0-6.0)			Q-43S (0-2.0)			Q-43S (4.0-5.0)			Q-43S (5.0-6.0)		
Depth:	4/6			0/2			4/5			5/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	5/1/13			5/1/13			5/1/13			5/1/13		
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		0.058	ND		0.164	ND		0.511	ND		0.078
Aroclor-1221	ND		0.058	ND		0.164	ND		0.511	ND		0.078
Aroclor-1232	ND		0.058	ND		0.164	ND		0.511	ND		0.078
Aroclor-1242	ND		0.058	ND		0.164	ND		0.511	ND		0.078
Aroclor-1248	7.22		0.058	29.9		0.164	48.5		0.511	1.58		0.078
Aroclor-1254	ND		0.058	ND		0.164	ND		0.511	ND		0.078
Aroclor-1260	3.07		0.058	26.2		0.164	93.3		0.511	ND		0.078
Aroclor-1262	ND		0.058	ND		0.164	ND		0.511	ND		0.078
Aroclor-1268	ND		0.058	ND		0.164	ND		0.511	ND		0.078
PCBs	10.3		0.058	56.1		0.164	142		0.511	1.58		0.078

Lab ID:	03992-025			03992-026			03992-027			03992-028		
Client ID:	Q-45N (0-2.0)			Q-45N (2.0-4.0)			Q-46N (0-2.0)			Q-46N (2.0-4.0)		
Depth:	0/2			2/4			0/2			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	5/1/13			5/1/13			5/1/13			5/1/13		
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		0.199	ND		0.021	ND		0.017	ND		0.912
Aroclor-1221	ND		0.199	ND		0.021	ND		0.017	ND		0.912
Aroclor-1232	ND		0.199	ND		0.021	ND		0.017	ND		0.912
Aroclor-1242	ND		0.199	ND		0.021	ND		0.017	ND		0.912
Aroclor-1248	28.0		0.199	3.59		0.021	4.67		0.017	85.0		0.912
Aroclor-1254	ND		0.199	ND		0.021	ND		0.017	ND		0.912
Aroclor-1260	3.47		0.199	2.71		0.021	4.59		0.017	ND		0.912
Aroclor-1262	ND		0.199	ND		0.021	ND		0.017	ND		0.912
Aroclor-1268	ND		0.199	ND		0.021	ND		0.017	ND		0.912
PCBs	31.5		0.199	6.30		0.021	9.26		0.017	85.0		0.912

Lab ID:	03992-029			03992-030			03992-031			03992-032		
Client ID:	P-45E (0-2.0)			P-45E (2.0-4.0)			Q-46W (0-2.0)			P-45S (0-2.0)		
Depth:	0/2			2/4			0/2			0/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	5/1/13			5/1/13			5/1/13			5/1/13		
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		0.016	ND		0.210	ND		1.75	ND		0.019
Aroclor-1221	ND		0.016	ND		0.210	ND		1.75	ND		0.019
Aroclor-1232	ND		0.016	ND		0.210	ND		1.75	ND		0.019
Aroclor-1242	ND		0.016	ND		0.210	ND		1.75	ND		0.019
Aroclor-1248	4.98		0.016	37.0		0.210	199		1.75	0.989		0.019
Aroclor-1254	ND		0.016	21.7		0.210	ND		1.75	ND		0.019
Aroclor-1260	2.68		0.016	ND		0.210	27.5		1.75	ND		0.019
Aroclor-1262	ND		0.016	ND		0.210	ND		1.75	ND		0.019
Aroclor-1268	ND		0.016	ND		0.210	ND		1.75	ND		0.019
PCBs	7.66		0.016	58.7		0.210	227		1.75	0.989		0.019

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the RL and above the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03992

Lab ID:	03992-033			03992-034			03992-035			03992-036		
Client ID:	P-44S (4.0-6.0)			O-46E (2.0-4.0)			O-46S (2.0-4.0)			O-46N (2.0-4.0)		
Depth:	4/6			2/4			2/4			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	5/1/13			5/1/13			5/1/13			5/1/13		
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		33.4	ND		0.017	ND		1.20	ND		0.100
Aroclor-1221	ND		33.4	ND		0.017	ND		1.20	ND		0.100
Aroclor-1232	ND		33.4	ND		0.017	ND		1.20	ND		0.100
Aroclor-1242	ND		33.4	ND		0.017	ND		1.20	ND		0.100
Aroclor-1248	10000		33.4	0.136		0.017	170		1.20	2.82		0.100
Aroclor-1254	ND		33.4	ND		0.017	ND		1.20	ND		0.100
Aroclor-1260	ND		33.4	ND		0.017	32.2		1.20	13.8		0.100
Aroclor-1262	ND		33.4	ND		0.017	ND		1.20	ND		0.100
Aroclor-1268	ND		33.4	ND		0.017	ND		1.20	ND		0.100
PCBs	10000		33.4	0.136		0.017	202		1.20	16.6		0.100

Lab ID:	03992-037			03992-038		
Client ID:	O-46W (0-2.0)			O-46W (2.0-4.0)		
Depth:	0/2			2/4		
Matrix:	Soil			Soil		
Sampled Date	5/1/13			5/1/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.185	ND		0.021
Aroclor-1221	ND		0.185	ND		0.021
Aroclor-1232	ND		0.185	ND		0.021
Aroclor-1242	ND		0.185	ND		0.021
Aroclor-1248	21.2		0.185	3.26		0.021
Aroclor-1254	ND		0.185	ND		0.021
Aroclor-1260	12.8		0.185	ND		0.021
Aroclor-1262	ND		0.185	ND		0.021
Aroclor-1268	ND		0.185	ND		0.021
PCBs	34.0		0.185	3.26		0.021

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-001
Client ID: Q-42W_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0051.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 2
% Moisture: 18.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.095	0.038
Aroclor-1221	ND		0.095	0.038
Aroclor-1232	ND		0.095	0.038
Aroclor-1242	ND		0.095	0.038
Aroclor-1248	6.22		0.095	0.038
Aroclor-1254	ND		0.095	0.038
Aroclor-1260	ND		0.095	0.038
Aroclor-1262	ND		0.095	0.038
Aroclor-1268	ND		0.095	0.038
PCBs	6.22		0.095	0.038

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-002
Client ID: Q-42W_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0052.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.39g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 18.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.453	0.181
Aroclor-1221	ND		0.453	0.181
Aroclor-1232	ND		0.453	0.181
Aroclor-1242	ND		0.453	0.181
Aroclor-1248	38.1		0.453	0.181
Aroclor-1254	ND		0.453	0.181
Aroclor-1260	12.2		0.453	0.181
Aroclor-1262	ND		0.453	0.181
Aroclor-1268	ND		0.453	0.181
PCBs	50.3		0.453	0.181

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-003
Client ID: P-43N_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0058.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.36g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 31.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.71	1.08
Aroclor-1221	ND		2.71	1.08
Aroclor-1232	ND		2.71	1.08
Aroclor-1242	ND		2.71	1.08
Aroclor-1248	186		2.71	1.08
Aroclor-1254	ND		2.71	1.08
Aroclor-1260	112		2.71	1.08
Aroclor-1262	ND		2.71	1.08
Aroclor-1268	ND		2.71	1.08
PCBs	298		2.71	1.08

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-004
Client ID: P-41S_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0059.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.75g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 13.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		4.01	1.60
Aroclor-1221	ND		4.01	1.60
Aroclor-1232	ND		4.01	1.60
Aroclor-1242	ND		4.01	1.60
Aroclor-1248	72.0		4.01	1.60
Aroclor-1254	ND		4.01	1.60
Aroclor-1260	23.8		4.01	1.60
Aroclor-1262	ND		4.01	1.60
Aroclor-1268	ND		4.01	1.60
PCBs	95.8		4.01	1.60

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-005
Client ID: P-41S_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0053.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.06g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 500
% Moisture: 30.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		28.3	11.3
Aroclor-1221	ND		28.3	11.3
Aroclor-1232	ND		28.3	11.3
Aroclor-1242	ND		28.3	11.3
Aroclor-1248	ND		28.3	11.3
Aroclor-1254	1580		28.3	11.3
Aroclor-1260	ND		28.3	11.3
Aroclor-1262	ND		28.3	11.3
Aroclor-1268	ND		28.3	11.3
PCBs	1580		28.3	11.3

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-006
Client ID: P-39S_(0-2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0054.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.15g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 18.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.39	0.954
Aroclor-1221	ND		2.39	0.954
Aroclor-1232	ND		2.39	0.954
Aroclor-1242	ND		2.39	0.954
Aroclor-1248	48.7		2.39	0.954
Aroclor-1254	ND		2.39	0.954
Aroclor-1260	127		2.39	0.954
Aroclor-1262	ND		2.39	0.954
Aroclor-1268	ND		2.39	0.954
PCBs	176		2.39	0.954

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-007
Client ID: P-39S_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0050.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.34g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.10

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.041	0.016
Aroclor-1221	ND		0.041	0.016
Aroclor-1232	ND		0.041	0.016
Aroclor-1242	ND		0.041	0.016
Aroclor-1248	0.083		0.041	0.016
Aroclor-1254	ND		0.041	0.016
Aroclor-1260	0.130		0.041	0.016
Aroclor-1262	ND		0.041	0.016
Aroclor-1268	ND		0.041	0.016
PCBs	0.213		0.041	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-008
Client ID: P-39N_(0-2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0055.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.55g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 14.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.11	0.843
Aroclor-1221	ND		2.11	0.843
Aroclor-1232	ND		2.11	0.843
Aroclor-1242	ND		2.11	0.843
Aroclor-1248	100		2.11	0.843
Aroclor-1254	ND		2.11	0.843
Aroclor-1260	13.5		2.11	0.843
Aroclor-1262	ND		2.11	0.843
Aroclor-1268	ND		2.11	0.843
PCBs	114		2.11	0.843

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-009
Client ID: P-39N_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0056.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.23g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 10.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.14	0.856
Aroclor-1221	ND		2.14	0.856
Aroclor-1232	ND		2.14	0.856
Aroclor-1242	ND		2.14	0.856
Aroclor-1248	ND		2.14	0.856
Aroclor-1254	244		2.14	0.856
Aroclor-1260	94.5		2.14	0.856
Aroclor-1262	ND		2.14	0.856
Aroclor-1268	ND		2.14	0.856
PCBs	339		2.14	0.856

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-010
Client ID: P-39N_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0060.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.15g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 40.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		6.49	2.60
Aroclor-1221	ND		6.49	2.60
Aroclor-1232	ND		6.49	2.60
Aroclor-1242	ND		6.49	2.60
Aroclor-1248	ND		6.49	2.60
Aroclor-1254	822		6.49	2.60
Aroclor-1260	332		6.49	2.60
Aroclor-1262	ND		6.49	2.60
Aroclor-1268	ND		6.49	2.60
PCBs	1150		6.49	2.60

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-011
Client ID: P-39W_(0-2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0057.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.38g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 13.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.215	0.086
Aroclor-1221	ND		0.215	0.086
Aroclor-1232	ND		0.215	0.086
Aroclor-1242	ND		0.215	0.086
Aroclor-1248	9.93		0.215	0.086
Aroclor-1254	ND		0.215	0.086
Aroclor-1260	12.4		0.215	0.086
Aroclor-1262	ND		0.215	0.086
Aroclor-1268	ND		0.215	0.086
PCBs	22.3		0.215	0.086

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-012
Client ID: P-39W_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0043.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 8.20

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.042	0.017
Aroclor-1221	ND		0.042	0.017
Aroclor-1232	ND		0.042	0.017
Aroclor-1242	ND		0.042	0.017
Aroclor-1248	ND		0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	ND		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-013
Client ID: P-39W_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/13/2013
Data file: R0133.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.65g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 78.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.166	0.067
Aroclor-1221	ND		0.166	0.067
Aroclor-1232	ND		0.166	0.067
Aroclor-1242	ND		0.166	0.067
Aroclor-1248	ND		0.166	0.067
Aroclor-1254	ND		0.166	0.067
Aroclor-1260	ND		0.166	0.067
Aroclor-1262	ND		0.166	0.067
Aroclor-1268	ND		0.166	0.067
PCBs	ND		0.166	0.067

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-014
Client ID: P-39W_(5.2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/13/2013
Data file: R0134.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.28g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.7

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-015
Client ID: P-40W_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/13/2013
Data file: R0135.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.042	0.017
Aroclor-1221	ND		0.042	0.017
Aroclor-1232	ND		0.042	0.017
Aroclor-1242	ND		0.042	0.017
Aroclor-1248	0.029	J	0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	0.029	J	0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-016
Client ID: P-40W_(5.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/14/2013
Data file: R0136.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.61g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 77.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.161	0.064
Aroclor-1221	ND		0.161	0.064
Aroclor-1232	ND		0.161	0.064
Aroclor-1242	ND		0.161	0.064
Aroclor-1248	8.36		0.161	0.064
Aroclor-1254	ND		0.161	0.064
Aroclor-1260	4.53		0.161	0.064
Aroclor-1262	ND		0.161	0.064
Aroclor-1268	ND		0.161	0.064
PCBs	12.9		0.161	0.064

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-017
Client ID: P-41W_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/15/2013
Data file: R0226.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.02g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 19.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.493	0.197
Aroclor-1221	ND		0.493	0.197
Aroclor-1232	ND		0.493	0.197
Aroclor-1242	ND		0.493	0.197
Aroclor-1248	48.7		0.493	0.197
Aroclor-1254	ND		0.493	0.197
Aroclor-1260	25.4		0.493	0.197
Aroclor-1262	ND		0.493	0.197
Aroclor-1268	ND		0.493	0.197
PCBs	74.1		0.493	0.197

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-018
Client ID: P-41W_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/15/2013
Data file: R0227.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.31g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 34.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.286	0.114
Aroclor-1221	ND		0.286	0.114
Aroclor-1232	ND		0.286	0.114
Aroclor-1242	ND		0.286	0.114
Aroclor-1248	ND		0.286	0.114
Aroclor-1254	18.1		0.286	0.114
Aroclor-1260	ND		0.286	0.114
Aroclor-1262	ND		0.286	0.114
Aroclor-1268	ND		0.286	0.114
PCBs	18.1		0.286	0.114

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-019
Client ID: P-43W_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/15/2013
Data file: R0228.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.70g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 200
% Moisture: 29.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		9.91	3.96
Aroclor-1221	ND		9.91	3.96
Aroclor-1232	ND		9.91	3.96
Aroclor-1242	ND		9.91	3.96
Aroclor-1248	716		9.91	3.96
Aroclor-1254	ND		9.91	3.96
Aroclor-1260	176		9.91	3.96
Aroclor-1262	ND		9.91	3.96
Aroclor-1268	ND		9.91	3.96
PCBs	892		9.91	3.96

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-020
Client ID: P-44W_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/14/2013
Data file: R0140.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.65g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 77.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.159	0.064
Aroclor-1221	ND		0.159	0.064
Aroclor-1232	ND		0.159	0.064
Aroclor-1242	ND		0.159	0.064
Aroclor-1248	1.00		0.159	0.064
Aroclor-1254	ND		0.159	0.064
Aroclor-1260	ND		0.159	0.064
Aroclor-1262	ND		0.159	0.064
Aroclor-1268	ND		0.159	0.064
PCBs	1.00		0.159	0.064

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-021
Client ID: P-44E_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/14/2013
Data file: R0141.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.68g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 75.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.146	0.058
Aroclor-1221	ND		0.146	0.058
Aroclor-1232	ND		0.146	0.058
Aroclor-1242	ND		0.146	0.058
Aroclor-1248	7.22		0.146	0.058
Aroclor-1254	ND		0.146	0.058
Aroclor-1260	3.07		0.146	0.058
Aroclor-1262	ND		0.146	0.058
Aroclor-1268	ND		0.146	0.058
PCBs	10.3		0.146	0.058

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-022
Client ID: Q-43S_(0-2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/15/2013
Data file: R0229.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.81g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 16.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.410	0.164
Aroclor-1221	ND		0.410	0.164
Aroclor-1232	ND		0.410	0.164
Aroclor-1242	ND		0.410	0.164
Aroclor-1248	29.9		0.410	0.164
Aroclor-1254	ND		0.410	0.164
Aroclor-1260	26.2		0.410	0.164
Aroclor-1262	ND		0.410	0.164
Aroclor-1268	ND		0.410	0.164
PCBs	56.1		0.410	0.164

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-023
Client ID: Q-43S_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/15/2013
Data file: R0230.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.06g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 20
% Moisture: 38.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		1.28	0.511
Aroclor-1221	ND		1.28	0.511
Aroclor-1232	ND		1.28	0.511
Aroclor-1242	ND		1.28	0.511
Aroclor-1248	48.5		1.28	0.511
Aroclor-1254	ND		1.28	0.511
Aroclor-1260	93.3		1.28	0.511
Aroclor-1262	ND		1.28	0.511
Aroclor-1268	ND		1.28	0.511
PCBs	142		1.28	0.511

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-024
Client ID: Q-43S_(5.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/15/2013
Data file: R0225.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.17g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 80.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.195	0.078
Aroclor-1221	ND		0.195	0.078
Aroclor-1232	ND		0.195	0.078
Aroclor-1242	ND		0.195	0.078
Aroclor-1248	1.58		0.195	0.078
Aroclor-1254	ND		0.195	0.078
Aroclor-1260	ND		0.195	0.078
Aroclor-1262	ND		0.195	0.078
Aroclor-1268	ND		0.195	0.078
PCBs	1.58		0.195	0.078

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-025
Client ID: Q-45N_(0-2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/15/2013
Data file: R0231.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.01g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 19.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.498	0.199
Aroclor-1221	ND		0.498	0.199
Aroclor-1232	ND		0.498	0.199
Aroclor-1242	ND		0.498	0.199
Aroclor-1248	28.0		0.498	0.199
Aroclor-1254	ND		0.498	0.199
Aroclor-1260	3.47		0.498	0.199
Aroclor-1262	ND		0.498	0.199
Aroclor-1268	ND		0.498	0.199
PCBs	31.5		0.498	0.199

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-026
Client ID: Q-45N_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/14/2013
Data file: R0146.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.37g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 30.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.053	0.021
Aroclor-1221	ND		0.053	0.021
Aroclor-1232	ND		0.053	0.021
Aroclor-1242	ND		0.053	0.021
Aroclor-1248	3.59		0.053	0.021
Aroclor-1254	ND		0.053	0.021
Aroclor-1260	2.71		0.053	0.021
Aroclor-1262	ND		0.053	0.021
Aroclor-1268	ND		0.053	0.021
PCBs	6.30		0.053	0.021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-027
Client ID: Q-46N_(0-2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/14/2013
Data file: R0147.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.11g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 8.80

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.043	0.017
Aroclor-1221	ND		0.043	0.017
Aroclor-1232	ND		0.043	0.017
Aroclor-1242	ND		0.043	0.017
Aroclor-1248	4.67		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	4.59		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	9.26		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-028
Client ID: Q-46N_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/15/2013
Data file: R0232.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.23g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 16.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.28	0.912
Aroclor-1221	ND		2.28	0.912
Aroclor-1232	ND		2.28	0.912
Aroclor-1242	ND		2.28	0.912
Aroclor-1248	85.0		2.28	0.912
Aroclor-1254	ND		2.28	0.912
Aroclor-1260	ND		2.28	0.912
Aroclor-1262	ND		2.28	0.912
Aroclor-1268	ND		2.28	0.912
PCBs	85.0		2.28	0.912

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-029
Client ID: P-45E_(0-2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/14/2013
Data file: R0149.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.75g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.039	0.016
Aroclor-1221	ND		0.039	0.016
Aroclor-1232	ND		0.039	0.016
Aroclor-1242	ND		0.039	0.016
Aroclor-1248	4.98		0.039	0.016
Aroclor-1254	ND		0.039	0.016
Aroclor-1260	2.68		0.039	0.016
Aroclor-1262	ND		0.039	0.016
Aroclor-1268	ND		0.039	0.016
PCBs	7.66		0.039	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-030
Client ID: P-45E_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/15/2013
Data file: R0233.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.25g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 27.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.525	0.210
Aroclor-1221	ND		0.525	0.210
Aroclor-1232	ND		0.525	0.210
Aroclor-1242	ND		0.525	0.210
Aroclor-1248	37.0		0.525	0.210
Aroclor-1254	21.7		0.525	0.210
Aroclor-1260	ND		0.525	0.210
Aroclor-1262	ND		0.525	0.210
Aroclor-1268	ND		0.525	0.210
PCBs	58.7		0.525	0.210

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-031
Client ID: Q-46W_(0-2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/16/2013
Data file: R0262.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.77g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 20.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		4.37	1.75
Aroclor-1221	ND		4.37	1.75
Aroclor-1232	ND		4.37	1.75
Aroclor-1242	ND		4.37	1.75
Aroclor-1248	199		4.37	1.75
Aroclor-1254	ND		4.37	1.75
Aroclor-1260	27.5		4.37	1.75
Aroclor-1262	ND		4.37	1.75
Aroclor-1268	ND		4.37	1.75
PCBs	227		4.37	1.75

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-032
Client ID: P-45S_(0-2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/14/2013
Data file: R0152.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.29g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.047	0.019
Aroclor-1221	ND		0.047	0.019
Aroclor-1232	ND		0.047	0.019
Aroclor-1242	ND		0.047	0.019
Aroclor-1248	0.989		0.047	0.019
Aroclor-1254	ND		0.047	0.019
Aroclor-1260	ND		0.047	0.019
Aroclor-1262	ND		0.047	0.019
Aroclor-1268	ND		0.047	0.019
PCBs	0.989		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-033
Client ID: P-44S_(4.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/09/2013
Data file: R9910.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.30g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 500
% Moisture: 77.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		83.5	33.4
Aroclor-1221	ND		83.5	33.4
Aroclor-1232	ND		83.5	33.4
Aroclor-1242	ND		83.5	33.4
Aroclor-1248	10000		83.5	33.4
Aroclor-1254	ND		83.5	33.4
Aroclor-1260	ND		83.5	33.4
Aroclor-1262	ND		83.5	33.4
Aroclor-1268	ND		83.5	33.4
PCBs	10000		83.5	33.4

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-034
Client ID: O-46E_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/09/2013
Data file: R9892.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.20g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 8.30

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.042	0.017
Aroclor-1221	ND		0.042	0.017
Aroclor-1232	ND		0.042	0.017
Aroclor-1242	ND		0.042	0.017
Aroclor-1248	0.136		0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	0.136		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-035
Client ID: O-46S_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/09/2013
Data file: R9911.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 38.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		3.01	1.20
Aroclor-1221	ND		3.01	1.20
Aroclor-1232	ND		3.01	1.20
Aroclor-1242	ND		3.01	1.20
Aroclor-1248	170		3.01	1.20
Aroclor-1254	ND		3.01	1.20
Aroclor-1260	32.2		3.01	1.20
Aroclor-1262	ND		3.01	1.20
Aroclor-1268	ND		3.01	1.20
PCBs	202		3.01	1.20

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-036
Client ID: O-46N_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/09/2013
Data file: R9912.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.10g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 21.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.251	0.100
Aroclor-1221	ND		0.251	0.100
Aroclor-1232	ND		0.251	0.100
Aroclor-1242	ND		0.251	0.100
Aroclor-1248	2.82		0.251	0.100
Aroclor-1254	ND		0.251	0.100
Aroclor-1260	13.8		0.251	0.100
Aroclor-1262	ND		0.251	0.100
Aroclor-1268	ND		0.251	0.100
PCBs	16.6		0.251	0.100

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-037
Client ID: O-46W_(0-2
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/09/2013
Data file: R9913.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.20g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 16.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.462	0.185
Aroclor-1221	ND		0.462	0.185
Aroclor-1232	ND		0.462	0.185
Aroclor-1242	ND		0.462	0.185
Aroclor-1248	21.2		0.462	0.185
Aroclor-1254	ND		0.462	0.185
Aroclor-1260	12.8		0.462	0.185
Aroclor-1262	ND		0.462	0.185
Aroclor-1268	ND		0.462	0.185
PCBs	34.0		0.462	0.185

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-038
Client ID: O-46W_(2.0
Date Received: 05/01/2013
Date Extracted: 05/03/2013
Date Analyzed: 05/09/2013
Data file: R9896.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 30.8

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.054	0.021
Aroclor-1221	ND		0.054	0.021
Aroclor-1232	ND		0.054	0.021
Aroclor-1242	ND		0.054	0.021
Aroclor-1248	3.26		0.054	0.021
Aroclor-1254	ND		0.054	0.021
Aroclor-1260	ND		0.054	0.021
Aroclor-1262	ND		0.054	0.021
Aroclor-1268	ND		0.054	0.021
PCBs	3.26		0.054	0.021

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03992-039
Client ID: FB-80
Date Received: 05/01/2013
Date Extracted: 05/07/2013
Date Analyzed: 05/09/2013
Data file: R9922.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: 05/09/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130503-08	SOIL	84		98		84		98	
PCB	LCSS130503-08	SOIL	84		99		83		104	
PE-2A/0.5-	04069-001	SOIL	83		95		83		101	
PE-3A/0.5-	04069-002	SOIL	84		98		82		101	
PE-5A/3-3.	04069-003	SOIL	68		99		67		104	
S-1	04011-001	SOIL	84		100		84		99	
PCB	04011-001MS	SOIL	85		103		85		104	
PCB	04011-001MSD	SOIL	85		102		84		103	
O-46E_(2.0	03992-034	SOIL	81		99		82		100	
O-46W_(2.0	03992-038	SOIL	80		98		79		101	
RS-6	04009-001	SOIL	79		88		80		92	
RS-7	04009-002	SOIL	81		108		80		98	
RS-8	04009-003	SOIL	81		109		81		98	
C-6	04010-001	SOLID	72		66		70		94	
C-7	04010-002	SOLID	74		66		76		78	
S-2	04011-002	SOIL	81		95		79		87	
S-3	04011-003	SOIL	84		105		83		92	
S-4	04011-004	SOIL	85		103		83		94	
S-5	04011-005	SOIL	86		105		84		93	
P-44S_(4.0	03992-033	SOIL	0	D	0	D	0	D	0	D
O-46S_(2.0	03992-035	SOIL	0	D	0	D	0	D	0	D
O-46N_(2.0	03992-036	SOIL	92		112		84		150	
O-46W_(0-2	03992-037	SOIL	96		88		90		109	

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: 05/09/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKA130507-08	AQUEOUS	86		104		86		95	
PCB	LCSA130507-08	AQUEOUS	79		93		78		93	
TW-6/0.35	03990-015	AQUEOUS	46		66		46		64	
TW-7/6.69	03990-017	AQUEOUS	50		95		49		89	
TWP-2	03914-005	AQUEOUS	53		87		52		93	
FB-80	03992-039	AQUEOUS	79		101		79		97	
FIELD_BLAN	04098-010	AQUEOUS	82		90		83		89	

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: 05/12/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130503-02	SOIL	77		90		76		89	
RS-1	03966-006	SOIL	69		91		68		89	
RS-2	03966-007	SOIL	74		93		73		87	
RS-3	03966-008	SOIL	58		333	M	58		195	M
RS-4	03966-014	SOIL	71		84		71		84	
RS-5	03966-015	SOIL	74		90		73		89	
T-1	03966-016	SOIL	77		110		74		103	
S-201	03969-001	SOIL	73		78		71		81	
S-202	03969-002	SOIL	73		89		71		93	
P-39W_(2.0	03992-012	SOIL	71		89		70		106	
PCB	03992-012MS	SOIL	71		126		71		77	
PCB	03992-012MSD	SOIL	72		129		71		78	
PCB	LCSS130503-02	SOIL	74		98		73		91	
P-39S_(2.0	03992-007	SOIL	73		74		72		70	
Q-42W_(2.0	03992-001	SOIL	76		277	M	79		217	M
Q-42W_(4.0	03992-002	SOIL	73		121		74		90	
P-41S_(4.0	03992-005	SOIL	0	D	0	D	0	D	0	D
P-39S_(0-2	03992-006	SOIL	0	D	0	D	0	D	0	D
P-39N_(0-2	03992-008	SOIL	0	D	0	D	0	D	0	D
P-39N_(2.0	03992-009	SOIL	0	D	0	D	0	D	0	D
P-39W_(0-2	03992-011	SOIL	75		112		84		129	
P-43N_(4.0	03992-003	SOIL	0	D	0	D	0	D	0	D
P-41S_(2.0	03992-004	SOIL	0	D	0	D	0	D	0	D
P-39N_(4.0	03992-010	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: 05/13/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130503-03	SOIL	74		80		76		83	
P-39W_(4.0	03992-013	SOIL	96		120		100		127	
P-39W_(5.2	03992-014	SOIL	78		87		81		91	
P-40W_(4.0	03992-015	SOIL	70		80		73		84	
P-40W_(5.0	03992-016	SOIL	83		116		88		125	
P-44W_(4.0	03992-020	SOIL	86		111		90		115	
P-44E_(4.0	03992-021	SOIL	86		115		90		119	
Q-45N_(2.0	03992-026	SOIL	64		109		70		108	
Q-46N_(0-2	03992-027	SOIL	65		97		67		95	
P-45E_(0-2	03992-029	SOIL	69		90		70		111	
P-45S_(0-2	03992-032	SOIL	70		106		70		98	
PCB	03992-032MS	SOIL	71		95		72		103	
PCB	03992-032MSD	SOIL	72		99		73		91	
PCB	LCSS130503-03	SOIL	74		90		75		93	
Q-43S_(5.0	03992-024	SOIL	84		121		87		118	
P-41W_(2.0	03992-017	SOIL	77		102		77		105	
P-41W_(4.0	03992-018	SOIL	84		99		86		93	
P-43W_(4.0	03992-019	SOIL	0	D	0	D	0	D	0	D
Q-43S_(0-2	03992-022	SOIL	81		105		80		110	
Q-43S_(4.0	03992-023	SOIL	84		102		80		116	
Q-45N_(0-2	03992-025	SOIL	80		92		79		110	
Q-46N_(2.0	03992-028	SOIL	0	D	0	D	0	D	0	D
P-45E_(2.0	03992-030	SOIL	82		122		81		127	
Q-46W_(0-2	03992-031	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

SOIL PCB LCS ACCURACY RECOVERY

Matrix spike Lab sample ID: LCSS130503-08

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	454.7	91	40 - 140
Aroclor-1260	500.0	0.0	489.5	98	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: LCSA130507-08

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	498.6	100	40 - 140
Aroclor-1260	500.0	0.0	486.9	97	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: LCSS130503-02

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	437.2	87	40 - 140
Aroclor-1260	500.0	0.0	405.0	81	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: LCSS130503-03

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	441.2	88	40 - 140
Aroclor-1260	500.0	0.0	451.3	90	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: 04011-001

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	546.1	109	40 - 140
Aroclor-1260	500.0	0.0	568.2	114	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	542.4	108	1	50	40 - 140
Aroclor-1260	0.0	549.2	110	4	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

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 03992-012

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	411.9	82	40 - 140
Aroclor-1260	500.0	0.0	376.7	75	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	# MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	426.0	85	4	50	40 - 140
Aroclor-1260	0.0	401.8	80	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

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 03992-032

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	465.9	93	40 - 140
Aroclor-1260	500.0	0.0	543.7	109	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	455.1	91	2	50	40 - 140
Aroclor-1260	0.0	577.1	115	5	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: R9882.D

Instrument ID: GC-R

Date Extracted: 05/03/2013

Matrix: SOIL

Date Analyzed: 05/09/2013

Time Analyzed: 03:33

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSS130503-08	05/09/2013	03:51
PE-2A/0.5-	04069-001	05/09/2013	04:08
PE-3A/0.5-	04069-002	05/09/2013	04:25
PE-5A/3-3.	04069-003	05/09/2013	04:43
S-1	04011-001	05/09/2013	05:00
PCB	04011-001MS	05/09/2013	05:18
PCB	04011-001MSD	05/09/2013	05:35
O-46E_(2.0	03992-034	05/09/2013	06:28
O-46W_(2.0	03992-038	05/09/2013	07:38
RS-6	04009-001	05/09/2013	07:55
RS-7	04009-002	05/09/2013	08:12
RS-8	04009-003	05/09/2013	08:30
C-6	04010-001	05/09/2013	08:50
C-7	04010-002	05/09/2013	09:07
S-2	04011-002	05/09/2013	09:25
S-3	04011-003	05/09/2013	09:42
S-4	04011-004	05/09/2013	10:00
S-5	04011-005	05/09/2013	10:17
P-44S_(4.0	03992-033	05/09/2013	12:58
O-46S_(2.0	03992-035	05/09/2013	13:15
O-46N_(2.0	03992-036	05/09/2013	13:33
O-46W_(0-2	03992-037	05/09/2013	13:50

PCB METHOD BLANK SUMMARY

Lab File ID: R9852.D

Instrument ID: GC-R

Date Extracted: 05/02/2013

Matrix: AQUEOUS

Date Analyzed: 05/08/2013

Time Analyzed: 17:25

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
FB-77	03804-036	05/08/2013	17:42
001	03886-001	05/08/2013	18:00
HEADER_EAST	03857-001	05/08/2013	18:17
FB-78	03859-040	05/08/2013	18:34
PCB	03857-001MS	05/08/2013	18:52
PCB	03857-001MSD	05/08/2013	19:09
PCB	LCSA130502-08	05/08/2013	19:27

PCB METHOD BLANK SUMMARY

Lab File ID:	R9916.D	Instrument ID:	GC-R
Date Extracted:	05/07/2013	Matrix:	AQUEOUS
Date Analyzed:	05/09/2013	Time Analyzed:	16:50

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	LCSA130507-08	05/09/2013	17:07
TW-6/0.35	03990-015	05/09/2013	17:25
TW-7/6.69	03990-017	05/09/2013	17:42
TWP-2	03914-005	05/09/2013	18:17
FB-80	03992-039	05/09/2013	18:34
FIELD_BLAN	04098-010	05/09/2013	18:52

PCB METHOD BLANK SUMMARY

Lab File ID:	R0023.D	Instrument ID:	GC-R
Date Extracted:	05/03/2013	Matrix:	SOIL
Date Analyzed:	05/12/2013	Time Analyzed:	05:27

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
RS-1	03966-006	05/12/2013	05:44
RS-2	03966-007	05/12/2013	06:01
RS-3	03966-008	05/12/2013	06:19
RS-4	03966-014	05/12/2013	06:36
RS-5	03966-015	05/12/2013	06:53
T-1	03966-016	05/12/2013	07:11
S-201	03969-001	05/12/2013	07:28
S-202	03969-002	05/12/2013	07:45
P-39W_(2.0	03992-012	05/12/2013	11:14
PCB	03992-012MS	05/12/2013	13:33
PCB	03992-012MSD	05/12/2013	13:51
PCB	LCSS130503-02	05/12/2013	14:43
P-39S_(2.0	03992-007	05/12/2013	16:10
Q-42W_(2.0	03992-001	05/12/2013	16:28
Q-42W_(4.0	03992-002	05/12/2013	16:45
P-41S_(4.0	03992-005	05/12/2013	17:03
P-39S_(0-2	03992-006	05/12/2013	17:20
P-39N_(0-2	03992-008	05/12/2013	17:38
P-39N_(2.0	03992-009	05/12/2013	17:55
P-39W_(0-2	03992-011	05/12/2013	18:13
P-43N_(4.0	03992-003	05/12/2013	18:30
P-41S_(2.0	03992-004	05/12/2013	18:47
P-39N_(4.0	03992-010	05/12/2013	19:05

PCB METHOD BLANK SUMMARY

Lab File ID:	R0132.D	Instrument ID:	GC-R
Date Extracted:	05/03/2013	Matrix:	SOIL
Date Analyzed:	05/13/2013	Time Analyzed:	23:01

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
P-39W_(4.0	03992-013	05/13/2013	23:18
P-39W_(5.2	03992-014	05/13/2013	23:35
P-40W_(4.0	03992-015	05/13/2013	23:53
P-40W_(5.0	03992-016	05/14/2013	00:10
P-44W_(4.0	03992-020	05/14/2013	01:20
P-44E_(4.0	03992-021	05/14/2013	01:37
Q-45N_(2.0	03992-026	05/14/2013	03:04
Q-46N_(0-2	03992-027	05/14/2013	03:21
P-45E_(0-2	03992-029	05/14/2013	03:56
P-45S_(0-2	03992-032	05/14/2013	04:49
PCB	03992-032MS	05/14/2013	05:06
PCB	03992-032MSD	05/14/2013	05:24
PCB	LCSS130503-03	05/14/2013	06:16
Q-43S_(5.0	03992-024	05/15/2013	16:30
P-41W_(2.0	03992-017	05/15/2013	16:48
P-41W_(4.0	03992-018	05/15/2013	17:05
P-43W_(4.0	03992-019	05/15/2013	17:49
Q-43S_(0-2	03992-022	05/15/2013	18:07
Q-43S_(4.0	03992-023	05/15/2013	18:24
Q-45N_(0-2	03992-025	05/15/2013	18:41
Q-46N_(2.0	03992-028	05/15/2013	18:59
P-45E_(2.0	03992-030	05/15/2013	19:16
Q-46W_(0-2	03992-031	05/16/2013	10:01

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-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: 05/09/2013 **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

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: R9906.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	255455	6.79
Aroclor-1016 {2}	4.05	3.98	4.12	319375	338023	5.84
Aroclor-1016 {3}	4.60	4.53	4.67	412042	435566	5.71
Aroclor-1016 {4}	5.11	5.04	5.18	188306	203000	7.80
Aroclor-1016 {5}	5.51	5.43	5.57	320668	337810	5.35
Aroclor-1260	8.30	7.39	9.19	856226	952247	11.21
Aroclor-1260 {2}	8.97	8.07	9.87	396070	446898	12.83
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1092946	15.87
Aroclor-1260 {4}	9.93	9.03	10.83	506728	577557	13.98
Aroclor-1260 {5}	11.00	10.09	11.89	205649	234207	13.89
					Average %D	9.93

Data File: R9906.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	295038	8.43
Aroclor-1016 {2}	3.99	3.93	4.07	539339	545964	1.23
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1268879	4.48
Aroclor-1016 {4}	4.92	4.85	4.99	490143	519538	6.00
Aroclor-1016 {5}	5.09	5.02	5.16	388431	405041	4.28
Aroclor-1260	7.41	6.52	8.32	453548	447986	1.23
Aroclor-1260 {2}	7.66	6.77	8.57	660597	647077	2.05
Aroclor-1260 {3}	9.25	8.35	10.15	553687	580551	4.85
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1250932	8.97
Aroclor-1260 {5}	10.34	9.45	11.25	817681	901022	10.19
					Average %D	5.17

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 WI NDOW FROM	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 WI NDOW FROM	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: 05/09/2013 Instrument ID: GC-R

Data File: R9915.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	240392	0.50
Aroclor-1016 {2}	4.05	3.98	4.12	319375	317092	0.71
Aroclor-1016 {3}	4.60	4.53	4.67	412042	407374	1.13
Aroclor-1016 {4}	5.11	5.04	5.18	188306	191298	1.59
Aroclor-1016 {5}	5.51	5.43	5.57	320668	313988	2.08
Aroclor-1260	8.30	7.39	9.19	856226	827521	3.35
Aroclor-1260 {2}	8.97	8.07	9.87	396070	407229	2.82
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1000480	6.07
Aroclor-1260 {4}	9.93	9.03	10.83	506728	534197	5.42
Aroclor-1260 {5}	11.00	10.09	11.89	205649	224882	9.35
					Average %D	3.30

Data File: R9915.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	282707	3.90
Aroclor-1016 {2}	4.00	3.93	4.07	539339	524764	2.70
Aroclor-1016 {3}	4.72	4.65	4.79	1214450	1216238	0.15
Aroclor-1016 {4}	4.92	4.85	4.99	490143	499412	1.89
Aroclor-1016 {5}	5.09	5.02	5.16	388431	389040	0.16
Aroclor-1260	7.42	6.52	8.32	453548	428250	5.58
Aroclor-1260 {2}	7.67	6.77	8.57	660597	616932	6.61
Aroclor-1260 {3}	9.25	8.35	10.15	553687	553266	0.08
Aroclor-1260 {4}	9.76	8.86	10.66	1147969	1087693	5.25
Aroclor-1260 {5}	10.34	9.45	11.25	817681	849513	3.89
					Average %D	3.02

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: R9924.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	236838	0.99
Aroclor-1016 {2}	4.05	3.98	4.12	319375	315095	1.34
Aroclor-1016 {3}	4.60	4.53	4.67	412042	404100	1.93
Aroclor-1016 {4}	5.11	5.04	5.18	188306	193325	2.67
Aroclor-1016 {5}	5.51	5.43	5.57	320668	313394	2.27
Aroclor-1260	8.30	7.39	9.19	856226	840180	1.87
Aroclor-1260 {2}	8.97	8.07	9.87	396070	401076	1.26
Aroclor-1260 {3}	9.45	8.55	10.35	943244	984878	4.41
Aroclor-1260 {4}	9.93	9.03	10.83	506728	523141	3.24
Aroclor-1260 {5}	11.00	10.09	11.89	205649	229067	11.39
					Average %D	3.14

Data File: R9924.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	277487	1.98
Aroclor-1016 {2}	3.99	3.93	4.07	539339	522778	3.07
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1214536	0.01
Aroclor-1016 {4}	4.91	4.85	4.99	490143	498329	1.67
Aroclor-1016 {5}	5.08	5.02	5.16	388431	387393	0.27
Aroclor-1260	7.41	6.52	8.32	453548	427754	5.69
Aroclor-1260 {2}	7.66	6.77	8.57	660597	616220	6.72
Aroclor-1260 {3}	9.24	8.35	10.15	553687	547159	1.18
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1093679	4.73
Aroclor-1260 {5}	10.34	9.45	11.25	817681	843544	3.16
					Average %D	2.85

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/12/2013 **Instrument ID:** GC-R

Data File: R0022.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	225641	5.67
Aroclor-1016 {2}	4.05	3.98	4.12	319375	301184	5.70
Aroclor-1016 {3}	4.60	4.53	4.67	412042	386822	6.12
Aroclor-1016 {4}	5.11	5.04	5.18	188306	187138	0.62
Aroclor-1016 {5}	5.50	5.43	5.57	320668	302412	5.69
Aroclor-1260	8.30	7.39	9.19	856226	857051	0.10
Aroclor-1260 {2}	8.97	8.07	9.87	396070	403937	1.99
Aroclor-1260 {3}	9.45	8.55	10.35	943244	989612	4.92
Aroclor-1260 {4}	9.93	9.03	10.83	506728	526034	3.81
Aroclor-1260 {5}	11.00	10.09	11.89	205649	220592	7.27
					Average %D	4.19

Data File: R0022.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	258457	5.01
Aroclor-1016 {2}	3.99	3.93	4.07	539339	484751	10.12
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1130400	6.92
Aroclor-1016 {4}	4.91	4.85	4.99	490143	469188	4.28
Aroclor-1016 {5}	5.08	5.02	5.16	388431	361078	7.04
Aroclor-1260	7.41	6.52	8.32	453548	412122	9.13
Aroclor-1260 {2}	7.66	6.77	8.57	660597	598026	9.47
Aroclor-1260 {3}	9.24	8.35	10.15	553687	532309	3.86
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1158911	0.95
Aroclor-1260 {5}	10.34	9.45	11.25	817681	849897	3.94
					Average %D	6.07

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/12/2013 **Instrument ID:** GC-R

Data File: R0047.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	244807	2.34
Aroclor-1016 {2}	4.05	3.98	4.12	319375	330217	3.39
Aroclor-1016 {3}	4.60	4.53	4.67	412042	428012	3.88
Aroclor-1016 {4}	5.11	5.04	5.18	188306	204395	8.54
Aroclor-1016 {5}	5.51	5.43	5.57	320668	335014	4.47
Aroclor-1260	8.30	7.39	9.19	856226	896597	4.72
Aroclor-1260 {2}	8.98	8.07	9.87	396070	424783	7.25
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1043936	10.68
Aroclor-1260 {4}	9.93	9.03	10.83	506728	550618	8.66
Aroclor-1260 {5}	11.00	10.09	11.89	205649	230172	11.92
					Average %D	6.59

Data File: R0047.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	273751	0.61
Aroclor-1016 {2}	3.99	3.93	4.07	539339	532380	1.29
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1243084	2.36
Aroclor-1016 {4}	4.91	4.85	4.99	490143	503714	2.77
Aroclor-1016 {5}	5.08	5.02	5.16	388431	394352	1.52
Aroclor-1260	7.41	6.52	8.32	453548	436662	3.72
Aroclor-1260 {2}	7.66	6.77	8.57	660597	631370	4.42
Aroclor-1260 {3}	9.24	8.35	10.15	553687	552263	0.26
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1132934	1.31
Aroclor-1260 {5}	10.34	9.45	11.25	817681	852343	4.24
					Average %D	2.25

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/12/2013 **Instrument ID:** GC-R

Data File: R0048.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	259438	8.46
Aroclor-1016 {2}	4.05	3.98	4.12	319375	340980	6.76
Aroclor-1016 {3}	4.60	4.53	4.67	412042	444496	7.88
Aroclor-1016 {4}	5.11	5.04	5.18	188306	207051	9.95
Aroclor-1016 {5}	5.51	5.43	5.57	320668	348963	8.82
Aroclor-1260	8.30	7.39	9.19	856226	973407	13.69
Aroclor-1260 {2}	8.97	8.07	9.87	396070	460743	16.33
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1114573	18.16
Aroclor-1260 {4}	9.94	9.03	10.83	506728	602323	18.87
Aroclor-1260 {5}	11.00	10.09	11.89	205649	246380	19.81
					Average %D	12.87

Data File: R0048.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.42	3.36	3.50	272103	282343	3.76
Aroclor-1016 {2}	3.99	3.93	4.07	539339	551537	2.26
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1289636	6.19
Aroclor-1016 {4}	4.91	4.85	4.99	490143	523622	6.83
Aroclor-1016 {5}	5.08	5.02	5.16	388431	409377	5.39
Aroclor-1260	7.41	6.52	8.32	453548	463512	2.20
Aroclor-1260 {2}	7.66	6.77	8.57	660597	671352	1.63
Aroclor-1260 {3}	9.24	8.35	10.15	553687	597860	7.98
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1246726	8.60
Aroclor-1260 {5}	10.34	9.45	11.25	817681	933716	14.19
					Average %D	5.90

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/12/2013 **Instrument ID:** GC-R

Data File: R0061.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	247641	3.53
Aroclor-1016 {2}	4.05	3.98	4.12	319375	336408	5.33
Aroclor-1016 {3}	4.60	4.53	4.67	412042	436094	5.84
Aroclor-1016 {4}	5.11	5.04	5.18	188306	207253	10.06
Aroclor-1016 {5}	5.51	5.43	5.57	320668	342928	6.94
Aroclor-1260	8.30	7.39	9.19	856226	971812	13.50
Aroclor-1260 {2}	8.98	8.07	9.87	396070	459202	15.94
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1092547	15.83
Aroclor-1260 {4}	9.93	9.03	10.83	506728	594947	17.41
Aroclor-1260 {5}	11.00	10.09	11.89	205649	234844	14.20
					Average %D	10.86

Data File: R0061.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	280173	2.97
Aroclor-1016 {2}	3.99	3.93	4.07	539339	544946	1.04
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1270631	4.63
Aroclor-1016 {4}	4.91	4.85	4.99	490143	518693	5.82
Aroclor-1016 {5}	5.08	5.02	5.16	388431	404317	4.09
Aroclor-1260	7.41	6.52	8.32	453548	465403	2.61
Aroclor-1260 {2}	7.66	6.77	8.57	660597	668324	1.17
Aroclor-1260 {3}	9.24	8.35	10.15	553687	592278	6.97
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1241923	8.18
Aroclor-1260 {5}	10.34	9.45	11.25	817681	970890	18.74
					Average %D	5.62

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/13/2013 **Instrument ID:** GC-R

Data File: R0131.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	263513	10.16
Aroclor-1016 {2}	4.05	3.98	4.12	319375	349494	9.43
Aroclor-1016 {3}	4.60	4.53	4.67	412042	452765	9.88
Aroclor-1016 {4}	5.11	5.04	5.18	188306	210763	11.93
Aroclor-1016 {5}	5.51	5.43	5.57	320668	348906	8.81
Aroclor-1260	8.30	7.39	9.19	856226	951401	11.12
Aroclor-1260 {2}	8.98	8.07	9.87	396070	441894	11.57
Aroclor-1260 {3}	9.45	8.55	10.35	943244	1073809	13.84
Aroclor-1260 {4}	9.94	9.03	10.83	506728	565521	11.60
Aroclor-1260 {5}	11.01	10.09	11.89	205649	234812	14.18
					Average %D	11.25

Data File: R0131.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	312268	14.76
Aroclor-1016 {2}	3.99	3.93	4.07	539339	590998	9.58
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1372070	12.98
Aroclor-1016 {4}	4.91	4.85	4.99	490143	559314	14.11
Aroclor-1016 {5}	5.08	5.02	5.16	388431	436193	12.30
Aroclor-1260	7.41	6.52	8.32	453548	471870	4.04
Aroclor-1260 {2}	7.66	6.77	8.57	660597	677638	2.58
Aroclor-1260 {3}	9.24	8.35	10.15	553687	590893	6.72
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1254086	9.24
Aroclor-1260 {5}	10.34	9.45	11.25	817681	908119	11.06
					Average %D	9.74

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/14/2013 **Instrument ID:** GC-R

Data File: R0156.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	250000	4.51
Aroclor-1016 {2}	4.05	3.98	4.12	319375	335741	5.12
Aroclor-1016 {3}	4.60	4.53	4.67	412042	435491	5.69
Aroclor-1016 {4}	5.11	5.04	5.18	188306	203487	8.06
Aroclor-1016 {5}	5.51	5.43	5.57	320668	336396	4.90
Aroclor-1260	8.30	7.39	9.19	856226	939392	9.71
Aroclor-1260 {2}	8.98	8.07	9.87	396070	436414	10.19
Aroclor-1260 {3}	9.46	8.55	10.35	943244	1076853	14.16
Aroclor-1260 {4}	9.94	9.03	10.83	506728	575976	13.67
Aroclor-1260 {5}	11.00	10.09	11.89	205649	234287	13.93
					Average %D	9.00

Data File: R0156.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	289165	6.27
Aroclor-1016 {2}	3.99	3.93	4.07	539339	564337	4.63
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1306939	7.62
Aroclor-1016 {4}	4.91	4.85	4.99	490143	532437	8.63
Aroclor-1016 {5}	5.08	5.02	5.16	388431	415650	7.01
Aroclor-1260	7.41	6.52	8.32	453548	458954	1.19
Aroclor-1260 {2}	7.66	6.77	8.57	660597	662109	0.23
Aroclor-1260 {3}	9.24	8.35	10.15	553687	586015	5.84
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1260167	9.77
Aroclor-1260 {5}	10.34	9.45	11.25	817681	907591	11.00
					Average %D	6.22

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/15/2013 **Instrument ID:** GC-R

Data File: R0224.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	212292	11.25
Aroclor-1016 {2}	4.05	3.98	4.12	319375	284182	11.02
Aroclor-1016 {3}	4.60	4.53	4.67	412042	367010	10.93
Aroclor-1016 {4}	5.11	5.04	5.18	188306	176016	6.53
Aroclor-1016 {5}	5.51	5.43	5.57	320668	286444	10.67
Aroclor-1260	8.30	7.39	9.19	856226	833358	2.67
Aroclor-1260 {2}	8.98	8.07	9.87	396070	389599	1.63
Aroclor-1260 {3}	9.46	8.55	10.35	943244	968634	2.69
Aroclor-1260 {4}	9.94	9.03	10.83	506728	517888	2.20
Aroclor-1260 {5}	11.01	10.09	11.89	205649	230152	11.91
					Average %D	7.15

Data File: R0224.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	247547	9.02
Aroclor-1016 {2}	3.99	3.93	4.07	539339	468876	13.06
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1083647	10.77
Aroclor-1016 {4}	4.91	4.85	4.99	490143	451254	7.93
Aroclor-1016 {5}	5.08	5.02	5.16	388431	349608	9.99
Aroclor-1260	7.41	6.52	8.32	453548	399249	11.97
Aroclor-1260 {2}	7.66	6.77	8.57	660597	582006	11.90
Aroclor-1260 {3}	9.24	8.35	10.15	553687	508288	8.20
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1143145	0.42
Aroclor-1260 {5}	10.34	9.45	11.25	817681	841143	2.87
					Average %D	8.61

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/15/2013 **Instrument ID:** GC-R

Data File: R0246.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	222192	7.11
Aroclor-1016 {2}	4.05	3.98	4.12	319375	296090	7.29
Aroclor-1016 {3}	4.61	4.53	4.67	412042	381656	7.37
Aroclor-1016 {4}	5.11	5.04	5.18	188306	184144	2.21
Aroclor-1016 {5}	5.51	5.43	5.57	320668	296610	7.50
Aroclor-1260	8.30	7.39	9.19	856226	859441	0.38
Aroclor-1260 {2}	8.98	8.07	9.87	396070	402834	1.71
Aroclor-1260 {3}	9.46	8.55	10.35	943244	1026479	8.82
Aroclor-1260 {4}	9.94	9.03	10.83	506728	540007	6.57
Aroclor-1260 {5}	11.01	10.09	11.89	205649	237276	15.38
					Average %D	6.43

Data File: R0246.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.42	3.36	3.50	272103	258239	5.10
Aroclor-1016 {2}	3.99	3.93	4.07	539339	487897	9.54
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1126147	7.27
Aroclor-1016 {4}	4.92	4.85	4.99	490143	467247	4.67
Aroclor-1016 {5}	5.08	5.02	5.16	388431	362171	6.76
Aroclor-1260	7.41	6.52	8.32	453548	411271	9.32
Aroclor-1260 {2}	7.66	6.77	8.57	660597	599877	9.19
Aroclor-1260 {3}	9.24	8.35	10.15	553687	531952	3.93
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1177680	2.59
Aroclor-1260 {5}	10.34	9.45	11.25	817681	867325	6.07
					Average %D	6.44

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/16/2013 **Instrument ID:** GC-R

Data File: R0260.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	203171	15.06
Aroclor-1016 {2}	4.05	3.98	4.12	319375	271013	15.14
Aroclor-1016 {3}	4.60	4.53	4.67	412042	350379	14.97
Aroclor-1016 {4}	5.11	5.04	5.18	188306	169207	10.14
Aroclor-1016 {5}	5.51	5.43	5.57	320668	273512	14.71
Aroclor-1260	8.30	7.39	9.19	856226	809553	5.45
Aroclor-1260 {2}	8.98	8.07	9.87	396070	378618	4.41
Aroclor-1260 {3}	9.46	8.55	10.35	943244	944926	0.18
Aroclor-1260 {4}	9.94	9.03	10.83	506728	507246	0.10
Aroclor-1260 {5}	11.00	10.09	11.89	205649	222654	8.27
					Average %D	8.84

Data File: R0260.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	246457	9.43
Aroclor-1016 {2}	4.00	3.93	4.07	539339	458811	14.93
Aroclor-1016 {3}	4.73	4.65	4.79	1214450	1064242	12.37
Aroclor-1016 {4}	4.93	4.85	4.99	490143	440692	10.09
Aroclor-1016 {5}	5.10	5.02	5.16	388431	341827	12.00
Aroclor-1260	7.42	6.52	8.32	453548	397714	12.31
Aroclor-1260 {2}	7.68	6.77	8.57	660597	574260	13.07
Aroclor-1260 {3}	9.25	8.35	10.15	553687	506808	8.47
Aroclor-1260 {4}	9.76	8.86	10.66	1147969	1124328	2.06
Aroclor-1260 {5}	10.35	9.45	11.25	817681	816697	0.12
					Average %D	9.48

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 05/16/2013 **Instrument ID:** GC-R

Data File: R0267.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	203839	14.78
Aroclor-1016 {2}	4.05	3.98	4.12	319375	272853	14.57
Aroclor-1016 {3}	4.60	4.53	4.67	412042	352229	14.52
Aroclor-1016 {4}	5.11	5.04	5.18	188306	169605	9.93
Aroclor-1016 {5}	5.51	5.43	5.57	320668	273683	14.65
Aroclor-1260	8.30	7.39	9.19	856226	804492	6.04
Aroclor-1260 {2}	8.98	8.07	9.87	396070	375406	5.22
Aroclor-1260 {3}	9.46	8.55	10.35	943244	959332	1.71
Aroclor-1260 {4}	9.94	9.03	10.83	506728	502115	0.91
Aroclor-1260 {5}	11.01	10.09	11.89	205649	217567	5.79
					Average %D	8.81

Data File: R0267.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	238261	12.44
Aroclor-1016 {2}	3.99	3.93	4.07	539339	455080	15.62
Aroclor-1016 {3}	4.71	4.65	4.79	1214450	1051290	13.43
Aroclor-1016 {4}	4.92	4.85	4.99	490143	437414	10.76
Aroclor-1016 {5}	5.09	5.02	5.16	388431	338390	12.88
Aroclor-1260	7.41	6.52	8.32	453548	389090	14.21
Aroclor-1260 {2}	7.66	6.77	8.57	660597	566603	14.23
Aroclor-1260 {3}	9.24	8.35	10.15	553687	497205	10.20
Aroclor-1260 {4}	9.75	8.86	10.66	1147969	1112921	3.05
Aroclor-1260 {5}	10.34	9.45	11.25	817681	814450	0.40
					Average %D	10.72

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	BLKS130503-08	05/09/2013	03:33	2.76		12.10		2.60		12.02	
PCB	LCSS130503-08	05/09/2013	03:51	2.76		12.10		2.60		12.02	
PE-2A/0.5-	04069-001	05/09/2013	04:08	2.76		12.10		2.60		12.02	
PE-3A/0.5-	04069-002	05/09/2013	04:25	2.76		12.10		2.60		12.02	
PE-5A/3-3.	04069-003	05/09/2013	04:43	2.76		12.10		2.60		12.02	
S-1	04011-001	05/09/2013	05:00	2.76		12.10		2.60		12.02	
PCB	04011-001MS	05/09/2013	05:18	2.76		12.10		2.61		12.02	
PCB	04011-001MSD	05/09/2013	05:35	2.76		12.10		2.61		12.02	
O-46E_(2.0	03992-034	05/09/2013	06:28	2.76		12.10		2.60		12.02	
O-46W_(2.0	03992-038	05/09/2013	07:38	2.76		12.10		2.60		12.02	
RS-6	04009-001	05/09/2013	07:55	2.76		12.10		2.60		12.02	
RS-7	04009-002	05/09/2013	08:12	2.76		12.10		2.60		12.02	
RS-8	04009-003	05/09/2013	08:30	2.76		12.10		2.60		12.02	
C-6	04010-001	05/09/2013	08:50	2.76		12.10		2.61		12.02	
C-7	04010-002	05/09/2013	09:07	2.76		12.10		2.61		12.02	
S-2	04011-002	05/09/2013	09:25	2.76		12.10		2.60		12.02	
S-3	04011-003	05/09/2013	09:42	2.76		12.10		2.61		12.02	
S-4	04011-004	05/09/2013	10:00	2.76		12.10		2.60		12.02	
S-5	04011-005	05/09/2013	10:17	2.76		12.10		2.60		12.02	
P-44S_(4.0	03992-033	05/09/2013	12:58	0.00	D	0.00	D	0.00	D	0.00	D
O-46S_(2.0	03992-035	05/09/2013	13:15	0.00	D	0.00	D	0.00	D	0.00	D
O-46N_(2.0	03992-036	05/09/2013	13:33	2.76		12.10		2.61		12.02	
O-46W_(0-2	03992-037	05/09/2013	13:50	2.76		12.10		2.61		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 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	BLKA130507-08	05/09/2013	16:50	2.75		12.10		2.60		12.02	
PCB	LCSA130507-08	05/09/2013	17:07	2.75		12.09		2.60		12.02	
TW-6/0.35	03990-015	05/09/2013	17:25	2.75		12.10		2.60		12.02	
TW-7/6.69	03990-017	05/09/2013	17:42	2.75		12.09		2.60		12.02	
TWP-2	03914-005	05/09/2013	18:17	2.75		12.10		2.60		12.02	
FB-80	03992-039	05/09/2013	18:34	2.75		12.10		2.60		12.02	
FIELD_BLAN	04098-010	05/09/2013	18:52	2.75		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 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	BLKS130503-02	05/12/2013	05:27	2.75		12.10		2.60		12.02	
RS-1	03966-006	05/12/2013	05:44	2.75		12.10		2.60		12.02	
RS-2	03966-007	05/12/2013	06:01	2.75		12.10		2.60		12.02	
RS-3	03966-008	05/12/2013	06:19	2.75		12.10		2.60		12.02	
RS-4	03966-014	05/12/2013	06:36	2.75		12.10		2.60		12.01	
RS-5	03966-015	05/12/2013	06:53	2.75		12.10		2.60		12.02	
T-1	03966-016	05/12/2013	07:11	2.75		12.10		2.60		12.02	
S-201	03969-001	05/12/2013	07:28	2.75		12.10		2.60		12.02	
S-202	03969-002	05/12/2013	07:45	2.75		12.10		2.60		12.02	
P-39W_(2.0	03992-012	05/12/2013	11:14	2.75		12.10		2.60		12.02	
PCB	03992-012MS	05/12/2013	13:33	2.76		12.10		2.60		12.02	
PCB	03992-012MSD	05/12/2013	13:51	2.75		12.10		2.60		12.02	
PCB	LCSS130503-02	05/12/2013	14:43	2.75		12.10		2.60		12.02	
P-39S_(2.0	03992-007	05/12/2013	16:10	2.75		12.10		2.60		12.02	
Q-42W_(2.0	03992-001	05/12/2013	16:28	2.75		12.06		2.60		12.00	
Q-42W_(4.0	03992-002	05/12/2013	16:45	2.75		12.10		2.60		12.02	
P-41S_(4.0	03992-005	05/12/2013	17:03	0.00	D	0.00	D	0.00	D	0.00	D
P-39S_(0-2	03992-006	05/12/2013	17:20	0.00	D	0.00	D	0.00	D	0.00	D
P-39N_(0-2	03992-008	05/12/2013	17:38	0.00	D	0.00	D	0.00	D	0.00	D
P-39N_(2.0	03992-009	05/12/2013	17:55	0.00	D	0.00	D	0.00	D	0.00	D
P-39W_(0-2	03992-011	05/12/2013	18:13	2.75		12.10		2.60		12.02	
P-43N_(4.0	03992-003	05/12/2013	18:30	0.00	D	0.00	D	0.00	D	0.00	D
P-41S_(2.0	03992-004	05/12/2013	18:47	0.00	D	0.00	D	0.00	D	0.00	D
P-39N_(4.0	03992-010	05/12/2013	19:05	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	BLKS130503-03	05/13/2013	23:01	2.76		12.10		2.60		12.02	
P-39W_(4.0	03992-013	05/13/2013	23:18	2.76		12.10		2.60		12.02	
P-39W_(5.2	03992-014	05/13/2013	23:35	2.76		12.10		2.60		12.02	
P-40W_(4.0	03992-015	05/13/2013	23:53	2.76		12.10		2.60		12.02	
P-40W_(5.0	03992-016	05/14/2013	00:10	2.76		12.10		2.60		12.02	
P-44W_(4.0	03992-020	05/14/2013	01:20	2.76		12.10		2.60		12.02	
P-44E_(4.0	03992-021	05/14/2013	01:37	2.76		12.10		2.60		12.01	
Q-45N_(2.0	03992-026	05/14/2013	03:04	2.76		12.10		2.60		12.02	
Q-46N_(0-2	03992-027	05/14/2013	03:21	2.76		12.10		2.60		12.02	
P-45E_(0-2	03992-029	05/14/2013	03:56	2.76		12.10		2.60		12.02	
P-45S_(0-2	03992-032	05/14/2013	04:49	2.76		12.10		2.60		12.02	
PCB	03992-032MS	05/14/2013	05:06	2.76		12.10		2.60		12.02	
PCB	03992-032MSD	05/14/2013	05:24	2.76		12.10		2.60		12.02	
PCB	LCSS130503-03	05/14/2013	06:16	2.75		12.10		2.60		12.02	
Q-43S_(5.0	03992-024	05/15/2013	16:30	2.75		12.10		2.61		12.03	
P-41W_(2.0	03992-017	05/15/2013	16:48	2.76		12.10		2.60		12.02	
P-41W_(4.0	03992-018	05/15/2013	17:05	2.76		12.10		2.60		12.02	
P-43W_(4.0	03992-019	05/15/2013	17:49	0.00	D	0.00	D	0.00	D	0.00	D
Q-43S_(0-2	03992-022	05/15/2013	18:07	2.76		12.10		2.60		12.02	
Q-43S_(4.0	03992-023	05/15/2013	18:24	2.76		12.10		2.60		12.02	
Q-45N_(0-2	03992-025	05/15/2013	18:41	2.76		12.10		2.60		12.02	
Q-46N_(2.0	03992-028	05/15/2013	18:59	0.00	D	0.00	D	0.00	D	0.00	D
P-45E_(2.0	03992-030	05/15/2013	19:16	2.76		12.10		2.60		12.02	
Q-46W_(0-2	03992-031	05/16/2013	10:01	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 SAMPLE DATA

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0051.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 16:28
Operator : JS
Sample : Q-42W_(2.0,03992-001,S,5.21g,18.9,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,2
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:58:56 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	2.75	2.60	1021.5E6	1195.1E6	75.770	78.924
Spiked Amount 200.000			Recovery	=	37.88%	39.46%
2) S DCB	12.06	12.00	842.8E6	750.8E6	276.894	217.185
Spiked Amount 200.000			Recovery	=	138.45%	108.59%
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	4.45	4.71	381.4E6	410.9E6	821.954m	759.491
24) L6 Aroclor-1248 {2}	4.99	5.28	185.9E6	516.3E6	709.920m	652.049
25) L6 Aroclor-1248 {3}	5.31	5.67	161.7E6	284.8E6	478.765m	499.553
26) L6 Aroclor-1248 {4}	6.01	5.82	396.9E6	343.5E6	778.378	718.701
27) L6 Aroclor-1248 {5}	6.29	0.00	567.8E6	0	1383.428	N.D. d#
Sum Aroclor-1248			1693.8E6	1555.5E6	4172.445	2629.794
Average Aroclor-1248					834.489	657.448
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

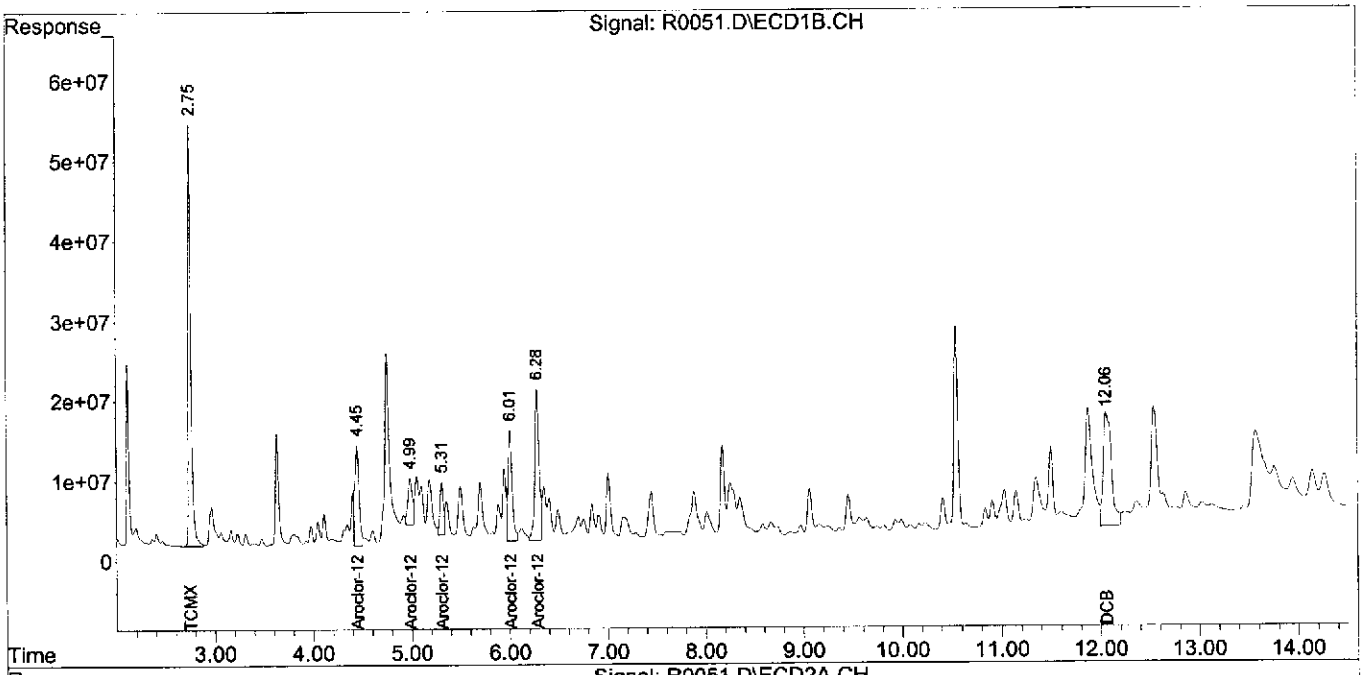
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

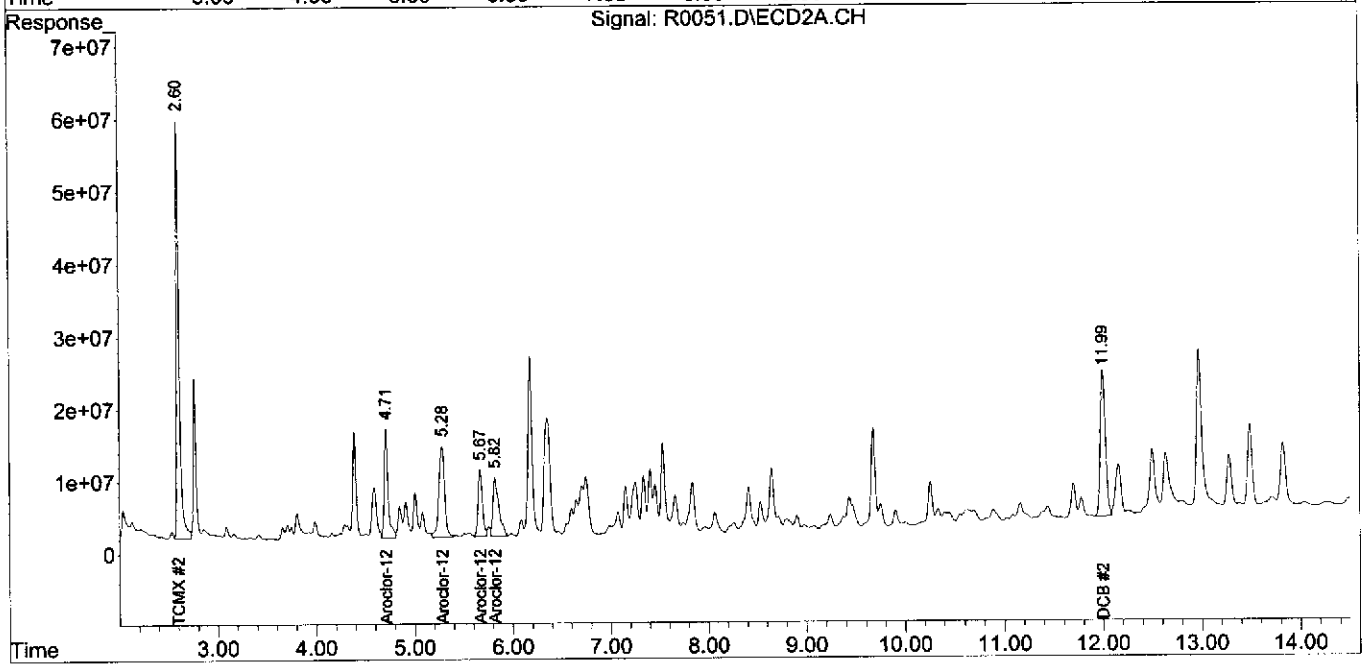
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0051.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 16:28
Operator : JS
Sample : Q-42W_(2.0,03992-001,S,5.21g,18.9,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,2
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:58:56 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\05-12-13\
Data File : R0052.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 16:45
Operator : JS
Sample : Q-42W_(4.0,03992-002,S,5.39g,18.1,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,10
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:54:50 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	2.75	2.60	197.9E6	225.6E6	14.678	14.898
Spiked Amount 200.000			Recovery	=	7.34%	7.45%
2) S DCB	12.10	12.02	73624464	61895812	24.189m	17.905m#
Spiked Amount 200.000			Recovery	=	12.09%	8.95%
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	4.45	4.71	243.1E6	267.8E6	523.892	495.058
24) L6 Aroclor-1248 {2}	4.99	5.29	255.9E6	1017.7E6	977.232	1285.303 #
25) L6 Aroclor-1248 {3}	5.31	5.67	270.3E6	460.6E6	800.201	807.893
26) L6 Aroclor-1248 {4}	6.01	5.82	613.7E6	450.8E6	1203.407	943.142
27) L6 Aroclor-1248 {5}	6.28	6.16	374.2E6	191.2E6	911.767	675.465 #
Sum Aroclor-1248			1757.2E6	2388.1E6	4416.498	4206.861
Average Aroclor-1248					883.300	841.372
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	0.00	420.6E6	0	491.250	N.D. d#
34) L8 Aroclor-1260 {2}	8.97	7.66	66381482	268.2E6	167.600	405.979 #
35) L8 Aroclor-1260 {3}	9.45	9.24	224.6E6	158.7E6	238.156	286.601
36) L8 Aroclor-1260 {4}	9.93	9.75	109.6E6	211.3E6	216.203	184.063
37) L8 Aroclor-1260 {5}	11.00	10.34	65079053	161.2E6	316.457	197.097 #
Sum Aroclor-1260			886.3E6	799.3E6	1429.666	1073.740
Average Aroclor-1260					285.933	268.435
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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0052.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 16:45
Operator : JS
Sample : Q-42W_(4.0,03992-002,S,5.39g,18.1,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,10
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:54:50 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

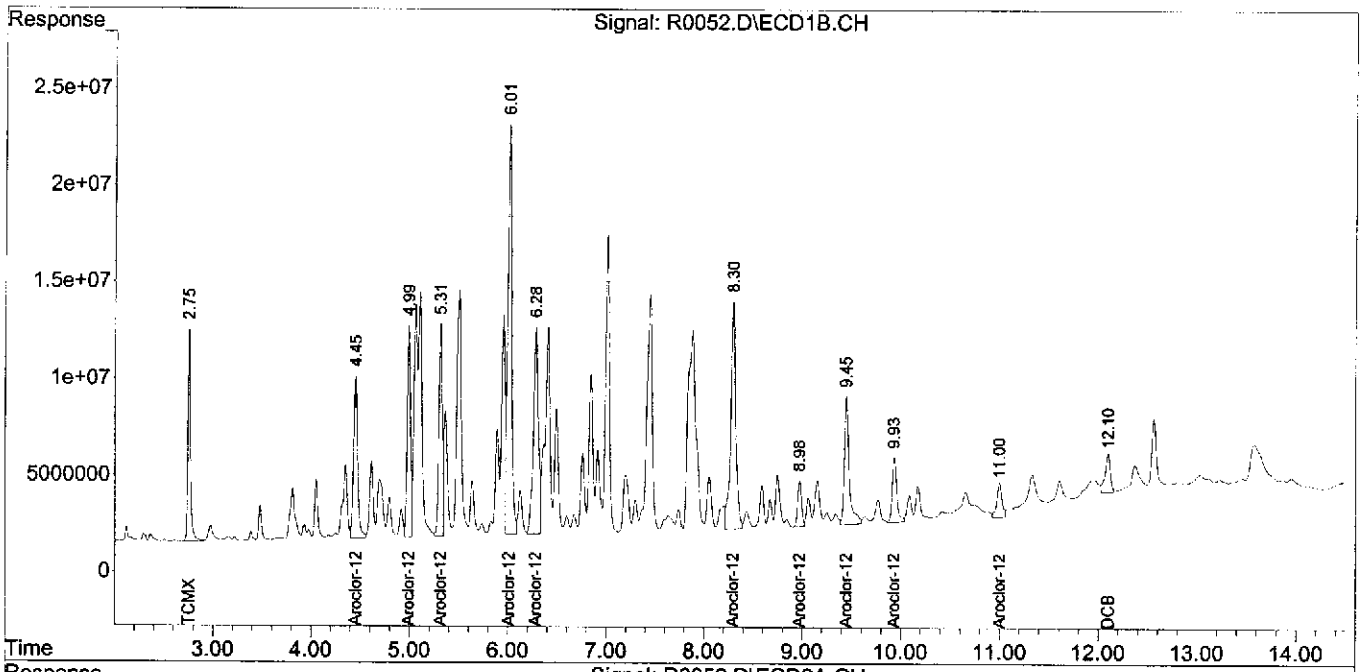
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

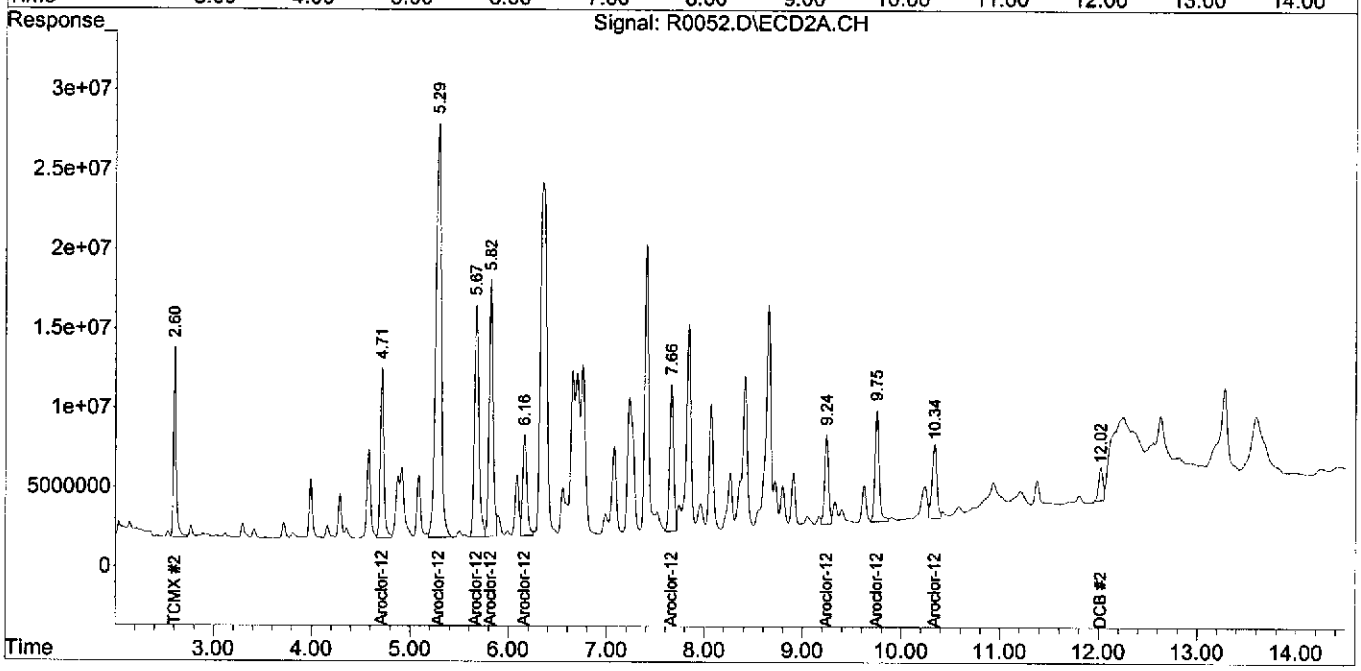
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0052.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 16:45
Operator : JS
Sample : Q-42W_(4.0,03992-002,S,5.39g,18.1,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,10
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:54:50 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\05-12-13\
Data File : R0058.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 18:30
Operator : JS
Sample : P-43N_(4.0,03992-003,S,5.36g,31.1,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,50
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 15:19:20 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
23) L6 Aroclor-1248	4.45	4.71	160.9E6	174.6E6	346.855	322.686
24) L6 Aroclor-1248 {2}	4.99	0.00	450.1E6	0	1718.972	N.D. d#
25) L6 Aroclor-1248 {3}	5.31	5.68	189.3E6	571.1E6	560.404	1001.768 #
26) L6 Aroclor-1248 {4}	6.01	5.81	563.9E6	459.5E6	1105.748	961.305
27) L6 Aroclor-1248 {5}	6.31	6.18	283.8E6	131.9E6	691.550	465.825 #
Sum Aroclor-1248			1648.1E6	1337.1E6	4423.529	2751.585
Average Aroclor-1248					884.706	687.896
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	0.00	916.4E6	0	1070.316	N.D. d#
34) L8 Aroclor-1260 {2}	8.97	7.66	81462343	405.3E6	205.676	613.494 #
35) L8 Aroclor-1260 {3}	9.45	9.24	222.9E6	342.9E6	236.340	619.353 #
36) L8 Aroclor-1260 {4}	9.93	9.75	171.7E6	267.0E6	338.907	232.603 #
37) L8 Aroclor-1260 {5}	11.00	10.34	45401842	225.1E6	220.773	275.348
Sum Aroclor-1260			1438.0E6	1240.4E6	2072.013	1740.798
Average Aroclor-1260					414.403	435.199
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

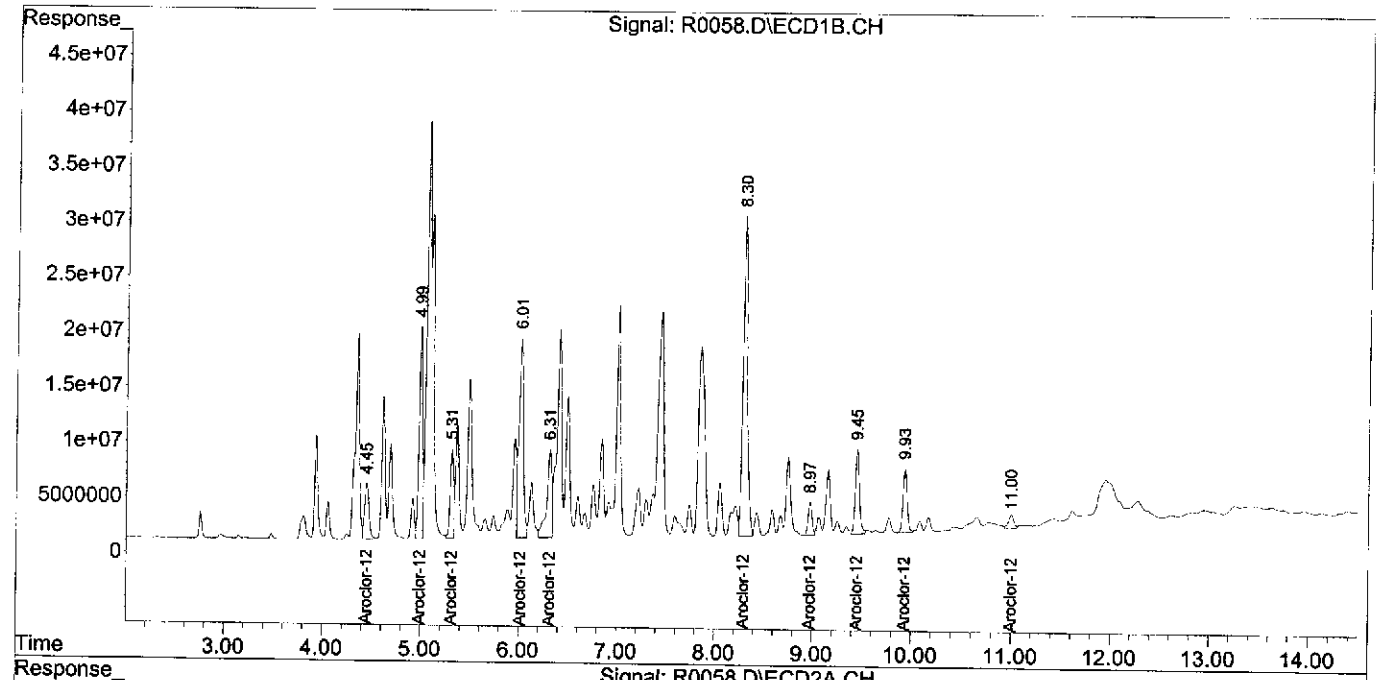
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

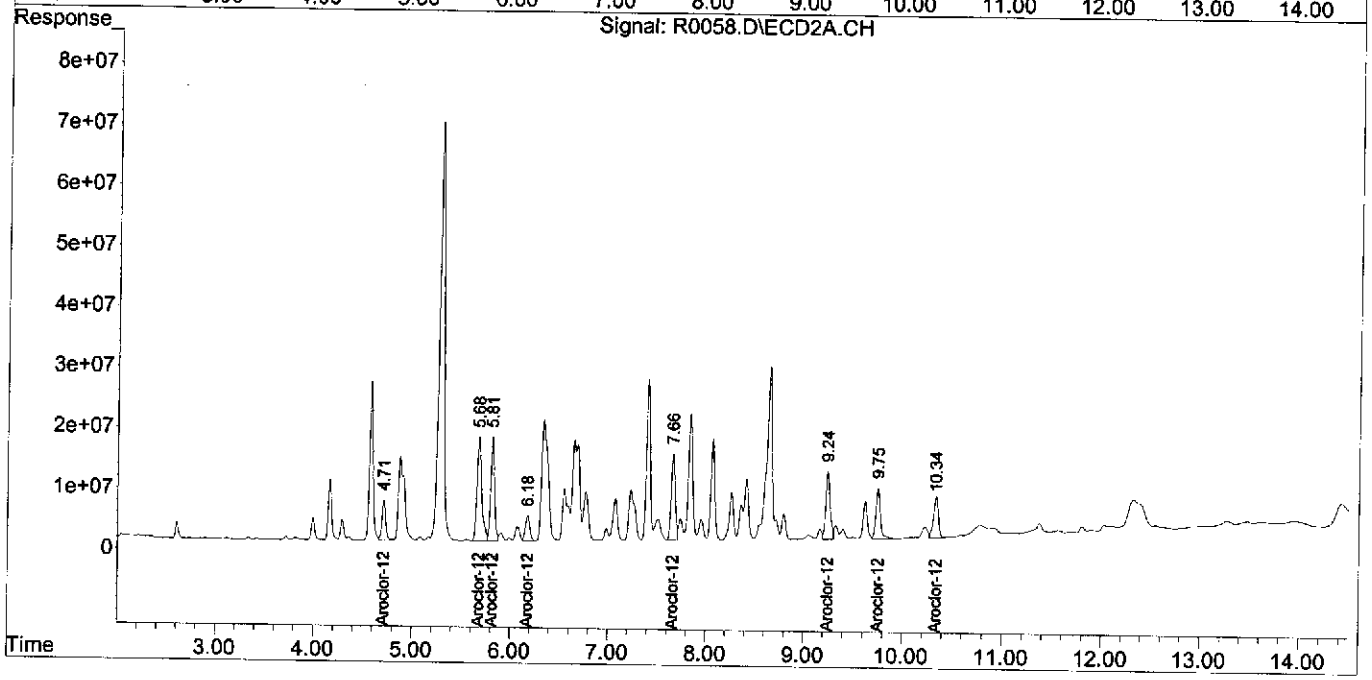
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0058.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 18:30
Operator : JS
Sample : P-43N_(4.0,03992-003,S,5.36g,31.1,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,50
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 15:19:20 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\05-12-13\
Data File : R0059.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 18:47
Operator : JS
Sample : P-41S_(2.0,03992-004,S,5.75g,13.3,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,100
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:33:28 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
23) L6 Aroclor-1248	4.46	4.71	54981010	59747274	118.489	110.430
24) L6 Aroclor-1248 {2}	4.99	5.28	41968398	132.0E6	160.282	166.724
25) L6 Aroclor-1248 {3}	5.31	5.67	60361195	92899335	178.665	162.941
26) L6 Aroclor-1248 {4}	6.01	5.82	126.0E6	118.4E6	247.003	247.677
27) L6 Aroclor-1248 {5}	6.28	6.16	126.7E6	59390550	308.802m	209.813 #
Sum Aroclor-1248			410.0E6	462.4E6	1013.242	897.585
Average Aroclor-1248					202.648	179.517
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.29	0.00	46257790	0	54.025	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.66	19452445	53266135	49.114	80.633 #
35) L8 Aroclor-1260 {3}	9.45	9.24	53384213	30682633	56.596	55.415
36) L8 Aroclor-1260 {4}	9.94	9.75	38961986	47202894	76.889	41.119 #
37) L8 Aroclor-1260 {5}	11.00	10.34	18791349	49477976	91.376m	60.510 #
Sum Aroclor-1260			176.8E6	180.6E6	328.000	237.677
Average Aroclor-1260					65.600	59.419
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

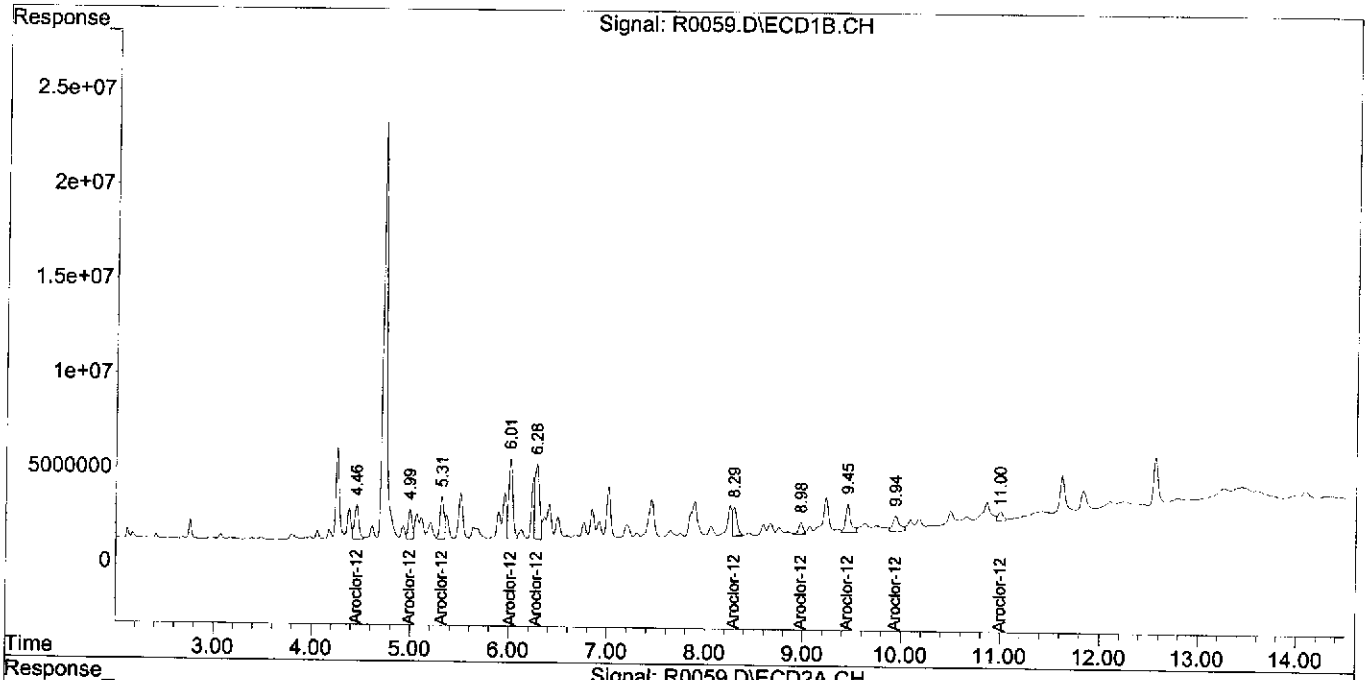
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

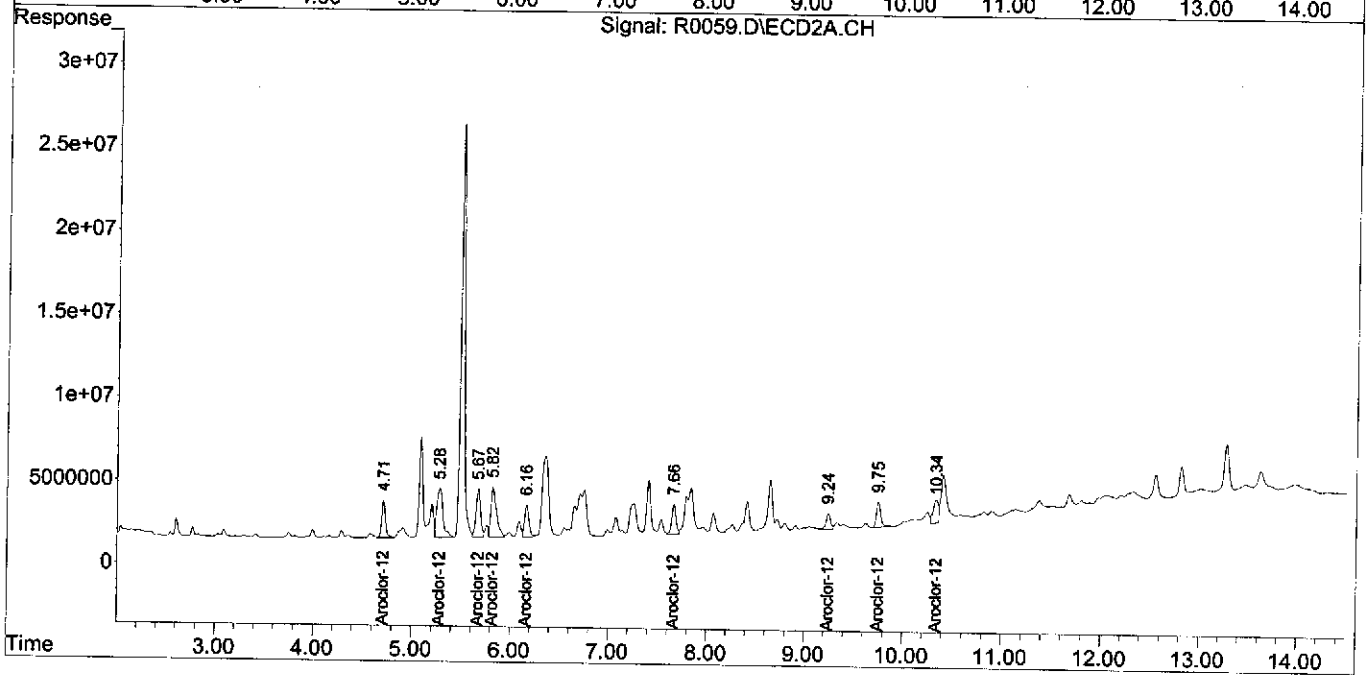
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0059.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 18:47
Operator : JS
Sample : P-41S_(2.0,03992-004,S,5.75g,13.3,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,100
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:33:28 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\05-12-13\
Data File : R0053.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 17:03
Operator : JS
Sample : P-41S (4.0,03992-005,S,5.06g,30.2,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,500
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:47:41 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	300.8E6	424.1E6	518.796	578.132
29) L7 Aroclor-1254 {2}	6.84	7.23	194.8E6	296.1E6	521.322	522.808
30) L7 Aroclor-1254 {3}	7.01	7.66	387.2E6	175.7E6	574.062	470.314
31) L7 Aroclor-1254 {4}	7.45	7.84	456.9E6	377.7E6	633.744	671.406
32) L7 Aroclor-1254 {5}	8.30	8.65	347.8E6	403.8E6	557.949	546.636
Sum Aroclor-1254			1687.4E6	1677.4E6	2805.872	2789.297
Average Aroclor-1254					561.174	557.859
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

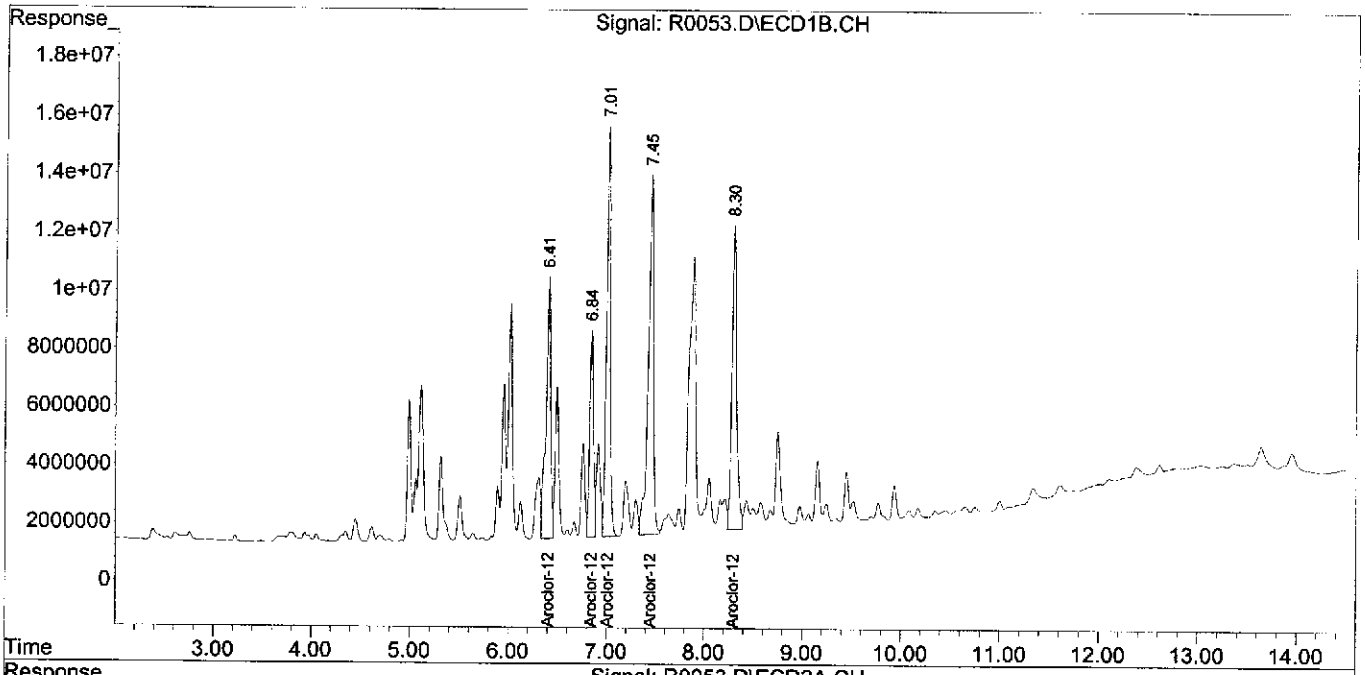
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

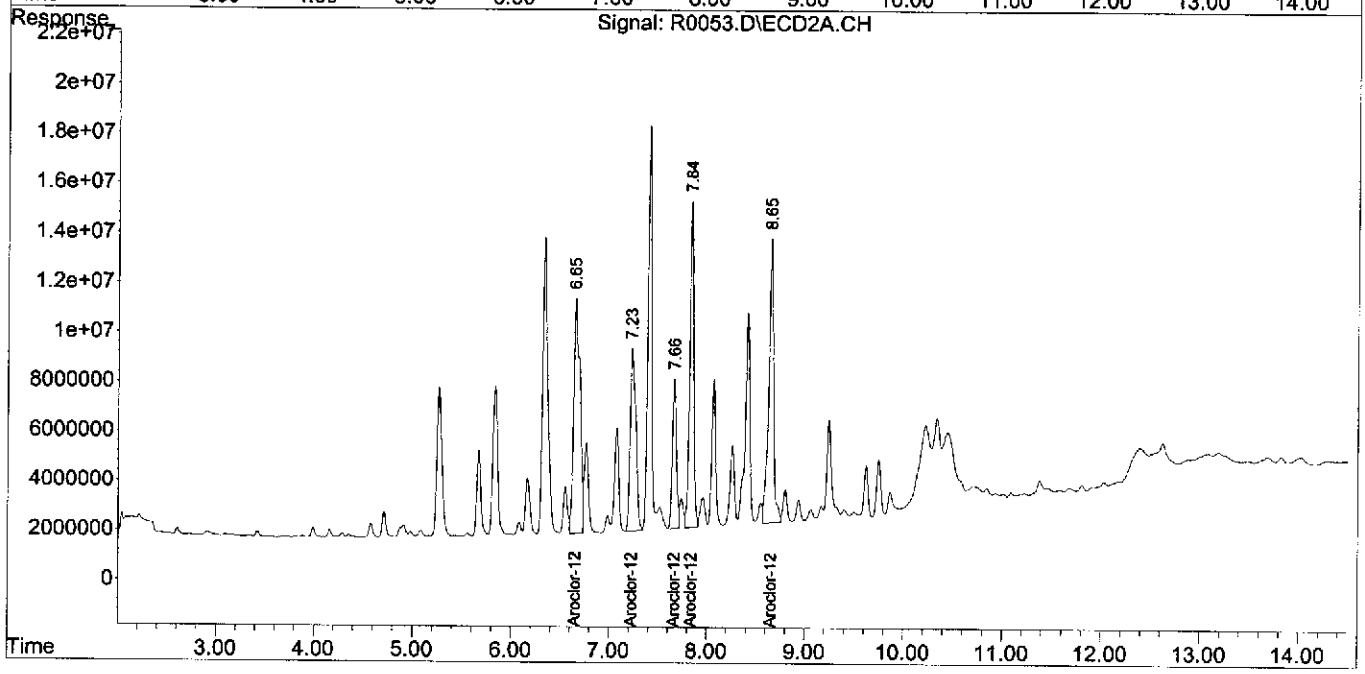
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0053.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 17:03
Operator : JS
Sample : P-41S_(4.0,03992-005,S,5.06g,30.2,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,500
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:47:41 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\05-12-13\
Data File : R0054.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 17:20
Operator : JS
Sample : P-39S_(0-2,03992-006,S,5.15g,18.6,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,50
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 15:17:59 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	
23) L6 Aroclor-1248	4.45	4.71	60927637	71290616	131.305	131.766	
24) L6 Aroclor-1248 {2}	4.99	5.27	74850380	197.8E6	285.862	249.842	
25) L6 Aroclor-1248 {3}	5.31	5.67	87694836	138.4E6	259.570	242.719	
26) L6 Aroclor-1248 {4}	6.01	5.82	220.5E6	86618395	432.331	181.225	#
27) L6 Aroclor-1248 {5}	6.28	6.16	115.2E6	61022629	280.730	215.579	
Sum Aroclor-1248			559.2E6	555.1E6	1389.799	1021.131	
Average Aroclor-1248					277.960	204.226	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
33) L8 Aroclor-1260	8.30	7.41	342.1E6	305.5E6	399.594	673.631	#
34) L8 Aroclor-1260 {2}	8.97	7.66	203.8E6	269.5E6	514.670	407.927	
35) L8 Aroclor-1260 {3}	9.45	9.24	547.0E6	282.6E6	579.958	510.311	
36) L8 Aroclor-1260 {4}	9.94	9.75	224.5E6	604.1E6	442.975	526.273	
37) L8 Aroclor-1260 {5}	11.00	10.33	159.8E6	447.6E6	776.900m	547.357	#
Sum Aroclor-1260			1477.3E6	1909.3E6	2714.097	2665.500	
Average Aroclor-1260					542.819	533.100	
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	

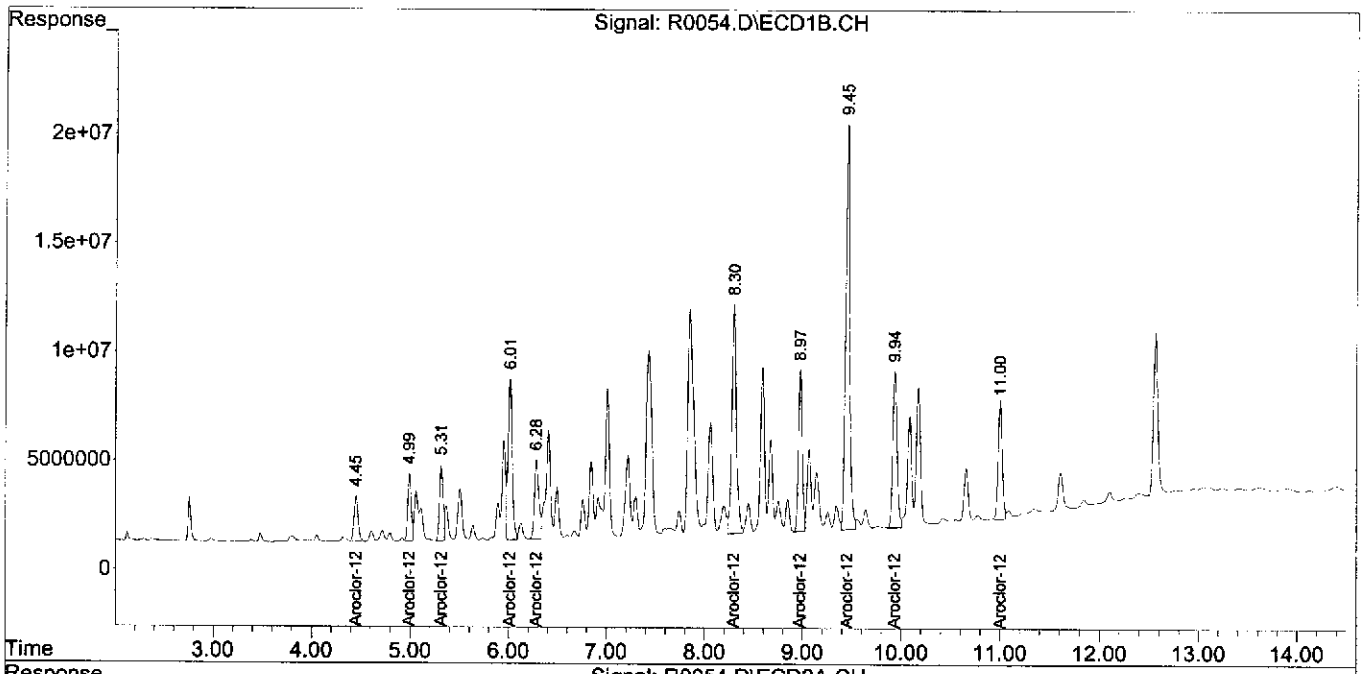
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

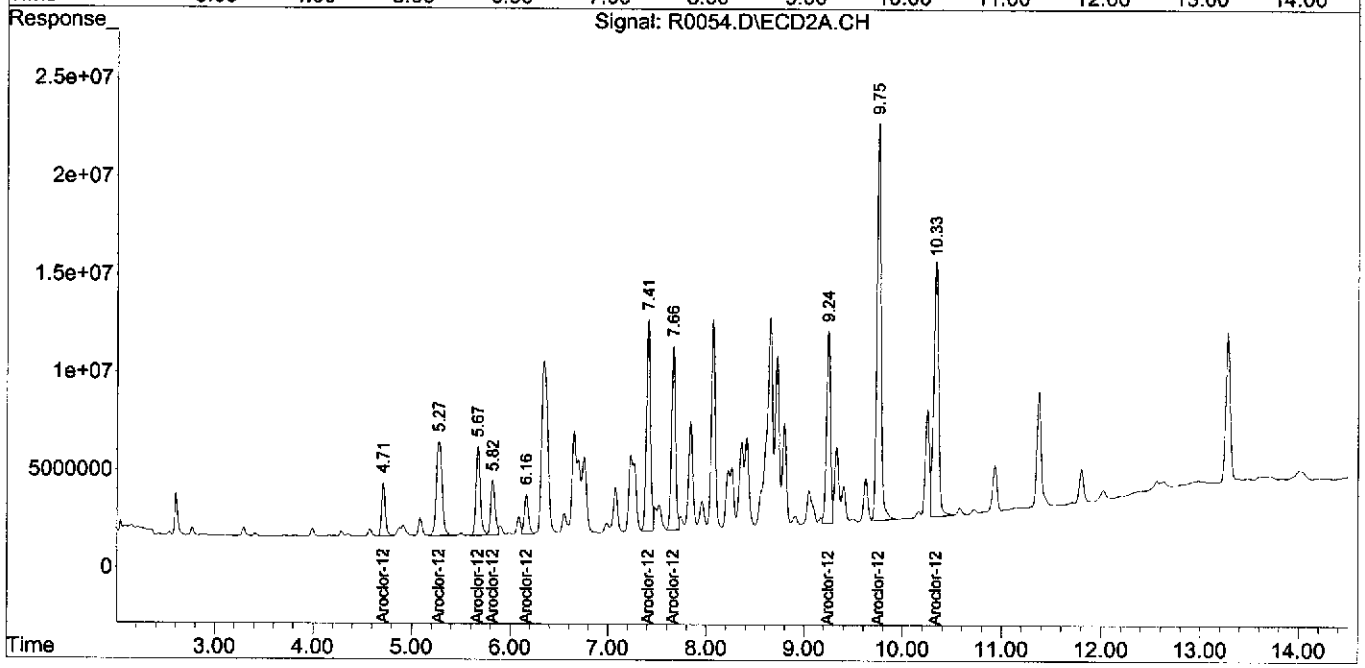
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0054.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 17:20
Operator : JS
Sample : P-39S_(0-2,03992-006,S,5.15g,18.6,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,50
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 15:17:59 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\05-12-13\
Data File : R0050.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 16:10
Operator : JS
Sample : P-39S_(2.0,03992-007,S,5.34g,9.10,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 15:01:04 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	2.75	2.60	1963.5E6	2187.4E6	145.642	144.449
Spiked Amount 200.000			Recovery	=	72.82%	72.22%
2) S DCB	12.10	12.02	452.4E6	486.8E6	148.645m	140.820m
Spiked Amount 200.000			Recovery	=	74.32%	70.41%
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	4.45	4.71	5105163	7134445	11.002	13.187
24) L6 Aroclor-1248 {2}	4.99	5.28	7267731	28351669	27.756	35.808 #
25) L6 Aroclor-1248 {3}	5.31	5.67	5820815	10718889	17.229	18.800
26) L6 Aroclor-1248 {4}	6.02	5.82	19108982	8239324	37.472	17.239 #
27) L6 Aroclor-1248 {5}	6.29	6.16	9211692	4420442	22.444	15.616 #
Sum Aroclor-1248			46514382	58864769	115.903	100.650
Average Aroclor-1248					23.181	20.130
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	7.41	24774668	26654356	28.935	58.769 #
34) L8 Aroclor-1260 {2}	8.97	7.66	11407448	21065853	28.802	31.889
35) L8 Aroclor-1260 {3}	9.45	9.24	25459908	18255603	26.992m	32.971
36) L8 Aroclor-1260 {4}	9.93	9.75	12105233	30062738	23.889m	26.188
37) L8 Aroclor-1260 {5}	11.00	10.33	10173815	21577869	49.472m	26.389 #
Sum Aroclor-1260			83921073	117.6E6	158.089	176.205
Average Aroclor-1260					31.618	35.241
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\05-12-13\
Data File : R0050.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 16:10
Operator : JS
Sample : P-39S_(2.0,03992-007,S,5.34g,9.10,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 15:01:04 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

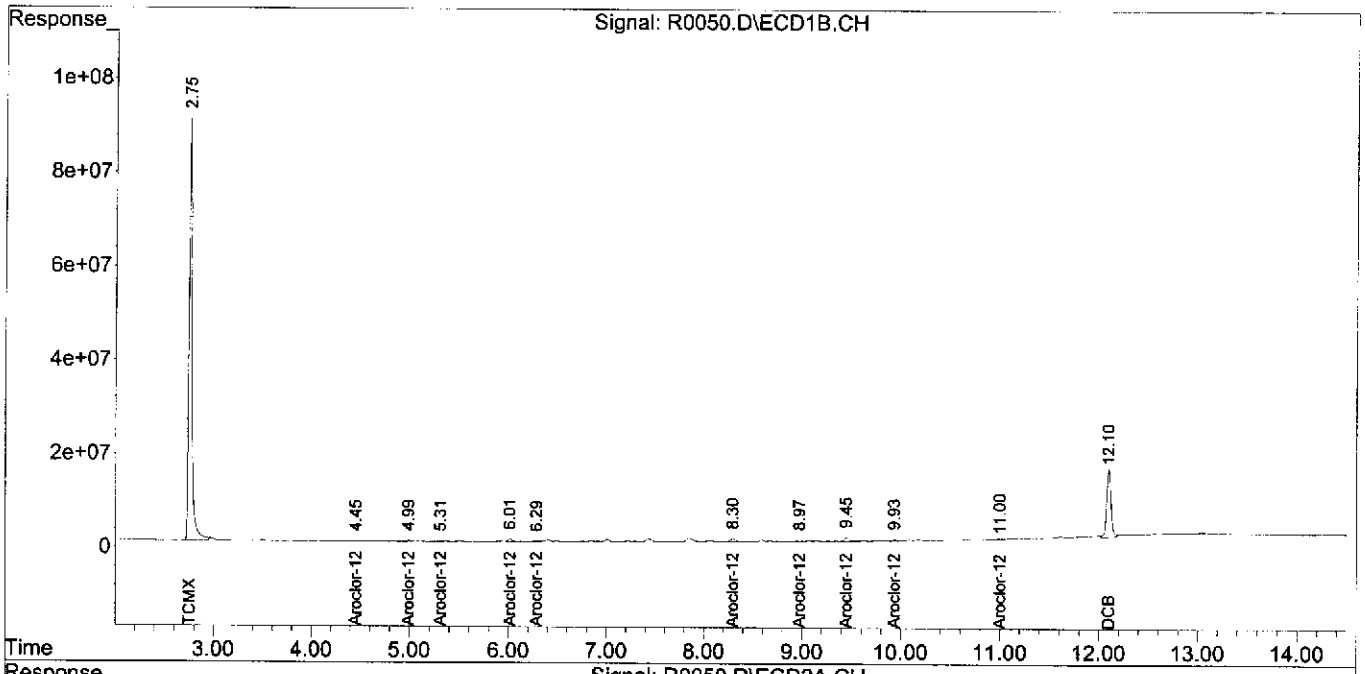
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

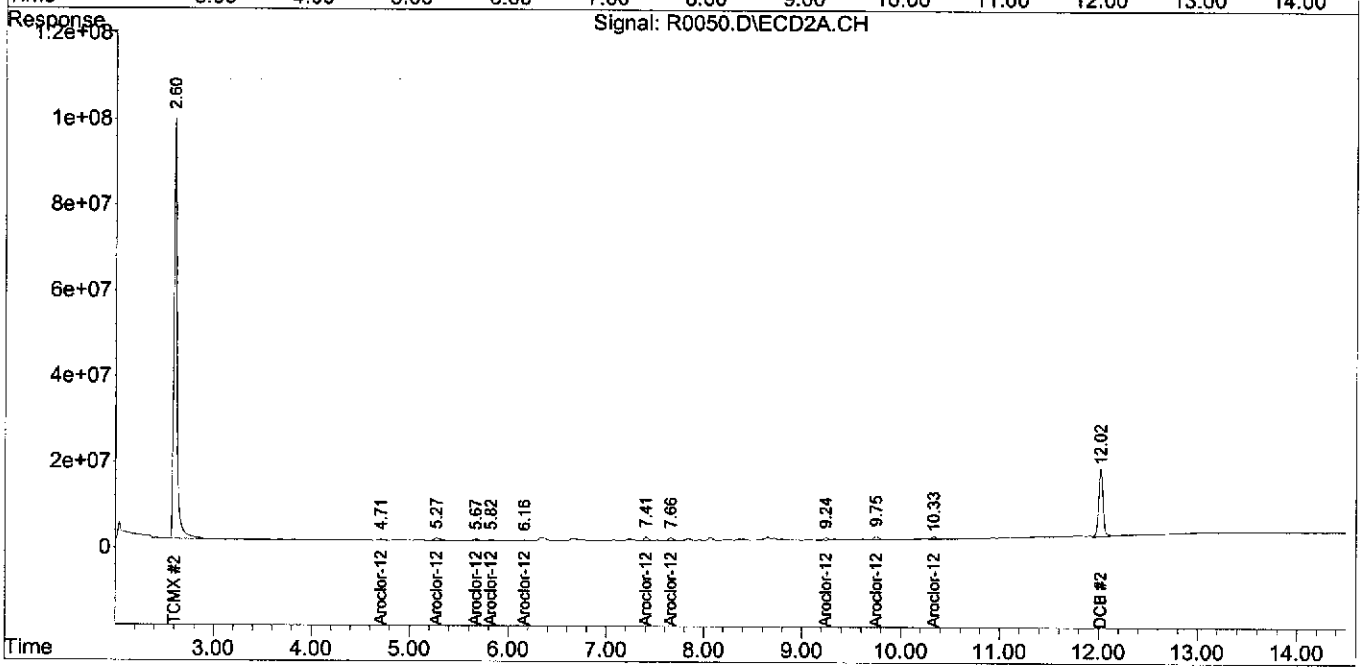
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0050.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 16:10
Operator : JS
Sample : P-39S_(2.0,03992-007,S,5.34g,9.10,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 15:01:04 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\05-12-13\
Data File : R0055.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 17:38
Operator : JS
Sample : P-39N_(0-2,03992-008,S,5.55g,14.5,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,50
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:22:52 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
23) L6 Aroclor-1248	4.45	4.71	86190703	98896037	185.749	182.788
24) L6 Aroclor-1248 {2}	4.99	5.28	132.7E6	418.7E6	506.936	528.819
25) L6 Aroclor-1248 {3}	5.31	5.67	197.2E6	328.1E6	583.690	575.558
26) L6 Aroclor-1248 {4}	6.01	5.82	352.9E6	282.5E6	692.090	591.090
27) L6 Aroclor-1248 {5}	6.28	6.16	259.1E6	141.1E6	631.322	498.425
Sum Aroclor-1248			1028.2E6	1269.3E6	2599.787	2376.680
Average Aroclor-1248					519.957	475.336
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	0.00	94911394	0	110.849	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.66	17192107	108.1E6	43.407	163.632 #
35) L8 Aroclor-1260 {3}	9.45	9.24	48492567	35931070	51.410	64.894 #
36) L8 Aroclor-1260 {4}	9.94	9.75	23247613	51150151	45.878	44.557
37) L8 Aroclor-1260 {5}	11.00	10.33	14313495	40580498	69.602	49.629 #
Sum Aroclor-1260			198.2E6	235.8E6	321.145	322.713
Average Aroclor-1260					64.229	80.678
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

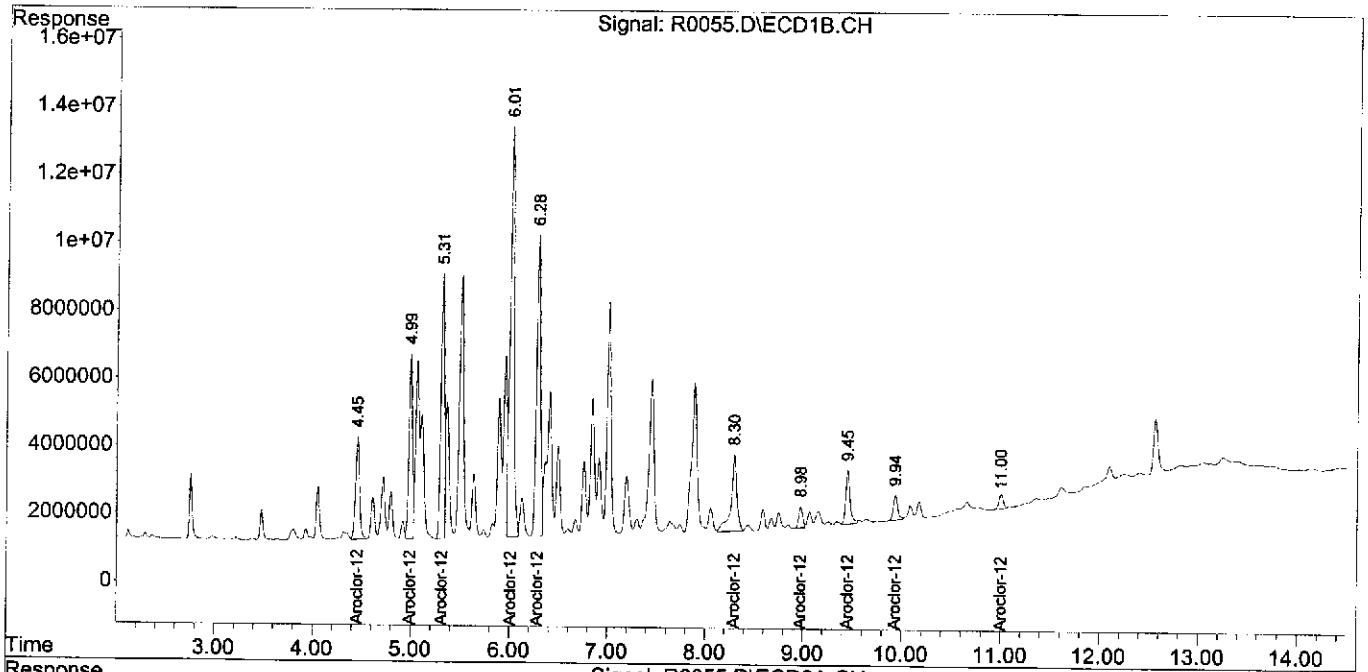
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

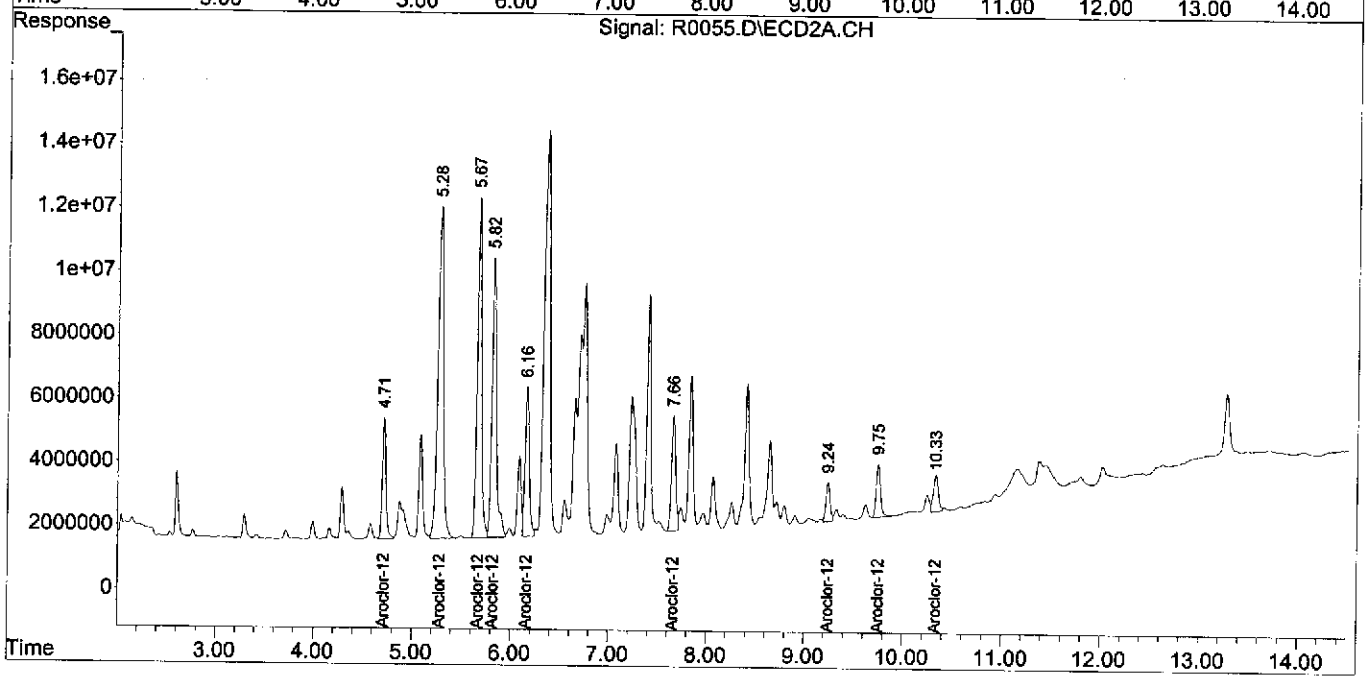
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0055.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 17:38
Operator : JS
Sample : P-39N_(0-2,03992-008,S,5.55g,14.5,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,50
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:22:52 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\05-12-13\
Data File : R0056.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 17:55
Operator : JS
Sample : P-39N_(2.0,03992-009,S,5.23g,10.6,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,50
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:55:39 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
28) L7 Aroclor-1254	6.41	6.65	652.0E6	866.5E6	1124.670	1181.331
29) L7 Aroclor-1254 {2}	6.84	7.23	378.5E6	659.2E6	1012.903	1163.653
30) L7 Aroclor-1254 {3}	7.01	7.66	746.8E6	444.2E6	1107.181	1189.188
31) L7 Aroclor-1254 {4}	7.45	7.84	918.2E6	698.4E6	1273.688	1241.402
32) L7 Aroclor-1254 {5}	8.30	8.65	738.7E6	958.4E6	1185.108	1297.539
Sum Aroclor-1254			3434.2E6	3626.6E6	5703.550	6073.113
Average Aroclor-1254					1140.710	1214.623
33) L8 Aroclor-1260	8.30	0.00	738.7E6	0	862.700	N.D. d#
34) L8 Aroclor-1260 {2}	8.97	7.66	116.4E6	444.2E6	293.817	672.362 #
35) L8 Aroclor-1260 {3}	9.45	9.24	320.4E6	342.6E6	339.637	618.743 #
36) L8 Aroclor-1260 {4}	9.93	9.75	165.4E6	376.3E6	326.414	327.803
37) L8 Aroclor-1260 {5}	11.00	10.33	79575990	290.2E6	386.950	354.855
Sum Aroclor-1260			1420.4E6	1453.2E6	2209.519	1973.763
Average Aroclor-1260					441.904	493.441
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

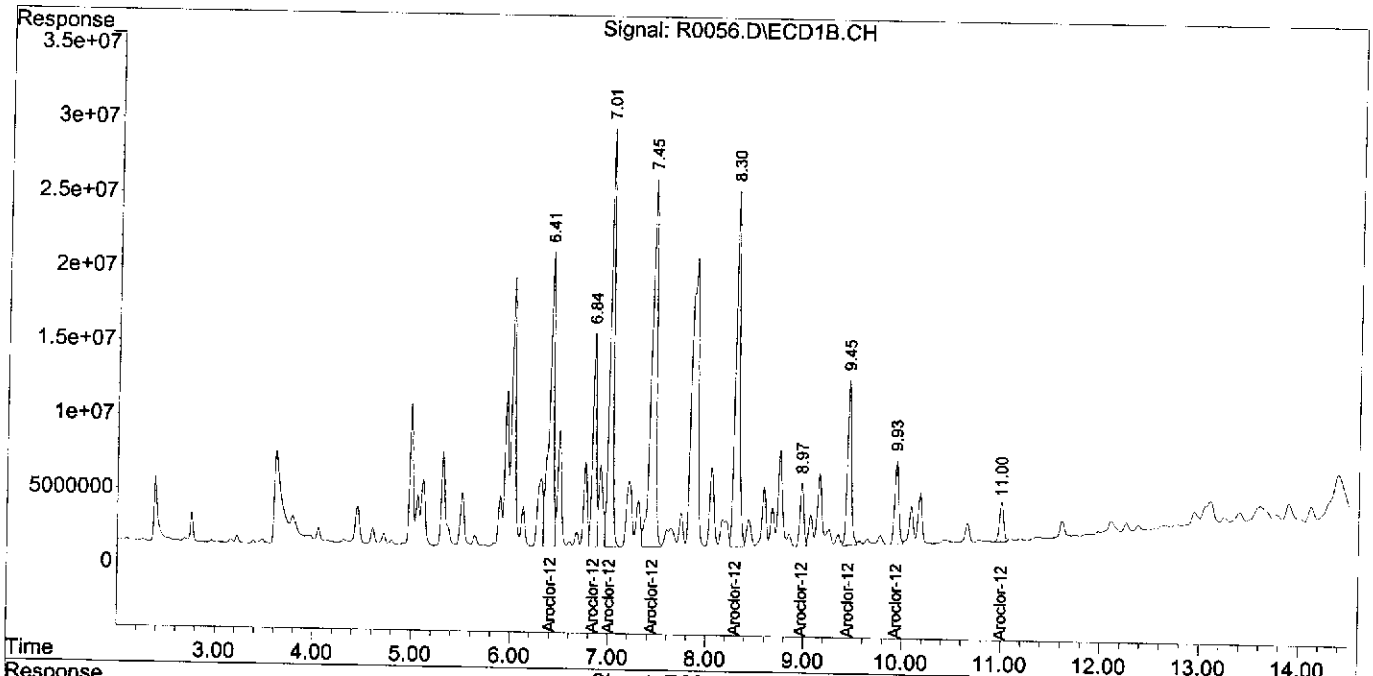
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

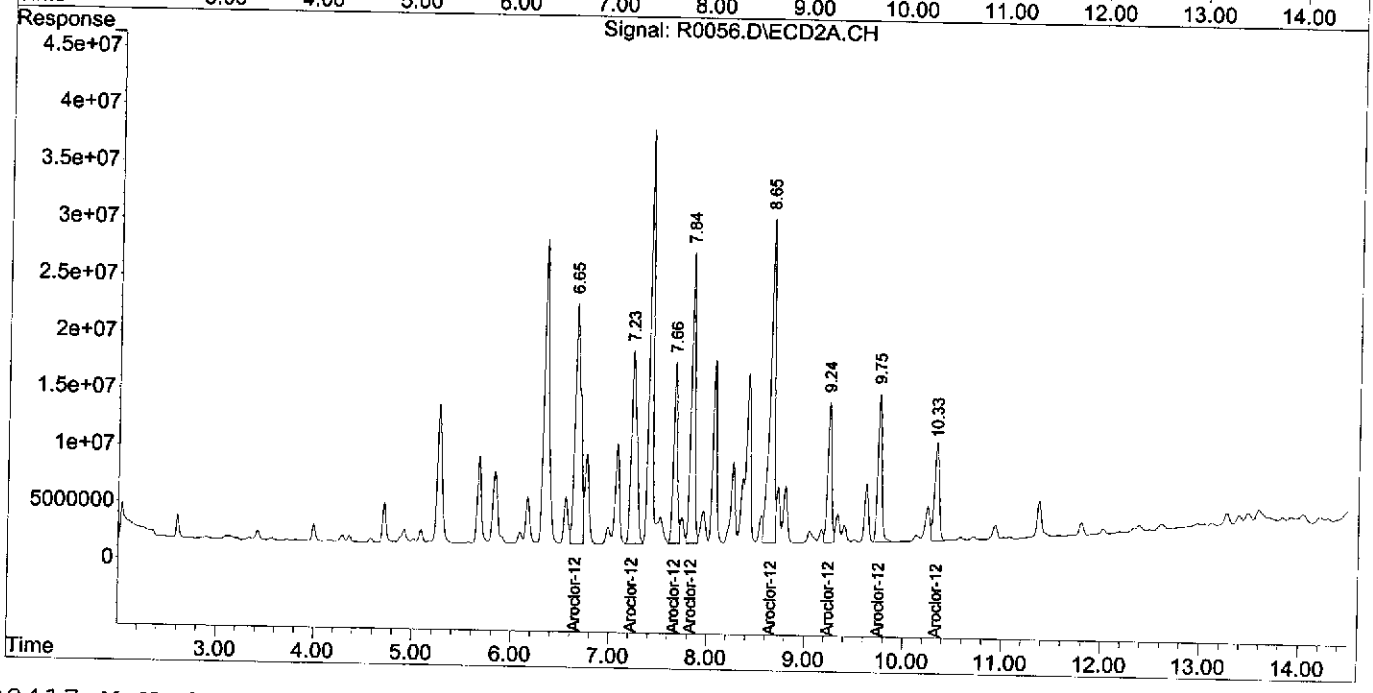
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0056.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 17:55
Operator : JS
Sample : P-39N_(2.0,03992-009,S,5.23g,10.6,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,50
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:55:39 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 #1 Info :
Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0060.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 19:05
Operator : JS
Sample : P-39N (4.0,03992-010,S,5.15g,40.2,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,100
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:10:03 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	720.4E6	953.3E6	1242.621	1299.723
29) L7 Aroclor-1254	{2}	6.84	7.23	416.9E6	722.4E6	1115.683	1275.256
30) L7 Aroclor-1254	{3}	7.01	7.66	824.3E6	503.2E6	1222.062	1347.283
31) L7 Aroclor-1254	{4}	7.45	7.84	1024.2E6	785.2E6	1420.680	1395.611
32) L7 Aroclor-1254	{5}	8.30	8.65	829.2E6	1078.8E6	1330.346	1460.462
Sum Aroclor-1254				3815.0E6	4042.8E6	6331.391	6778.335
Average Aroclor-1254						1266.278	1355.667
33) L8 Aroclor-1260		8.30	0.00	829.2E6	0	968.427	N.D. d#
34) L8 Aroclor-1260	{2}	8.98	7.66	137.3E6	503.2E6	346.763	761.749 #
35) L8 Aroclor-1260	{3}	9.45	9.24	379.8E6	387.8E6	402.604	700.439 #
36) L8 Aroclor-1260	{4}	9.94	9.75	190.3E6	445.1E6	375.580	387.696
37) L8 Aroclor-1260	{5}	11.00	10.33	94901658	339.8E6	461.474	415.515
Sum Aroclor-1260				1631.5E6	1675.9E6	2554.847	2265.399
Average Aroclor-1260						510.969	566.350
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

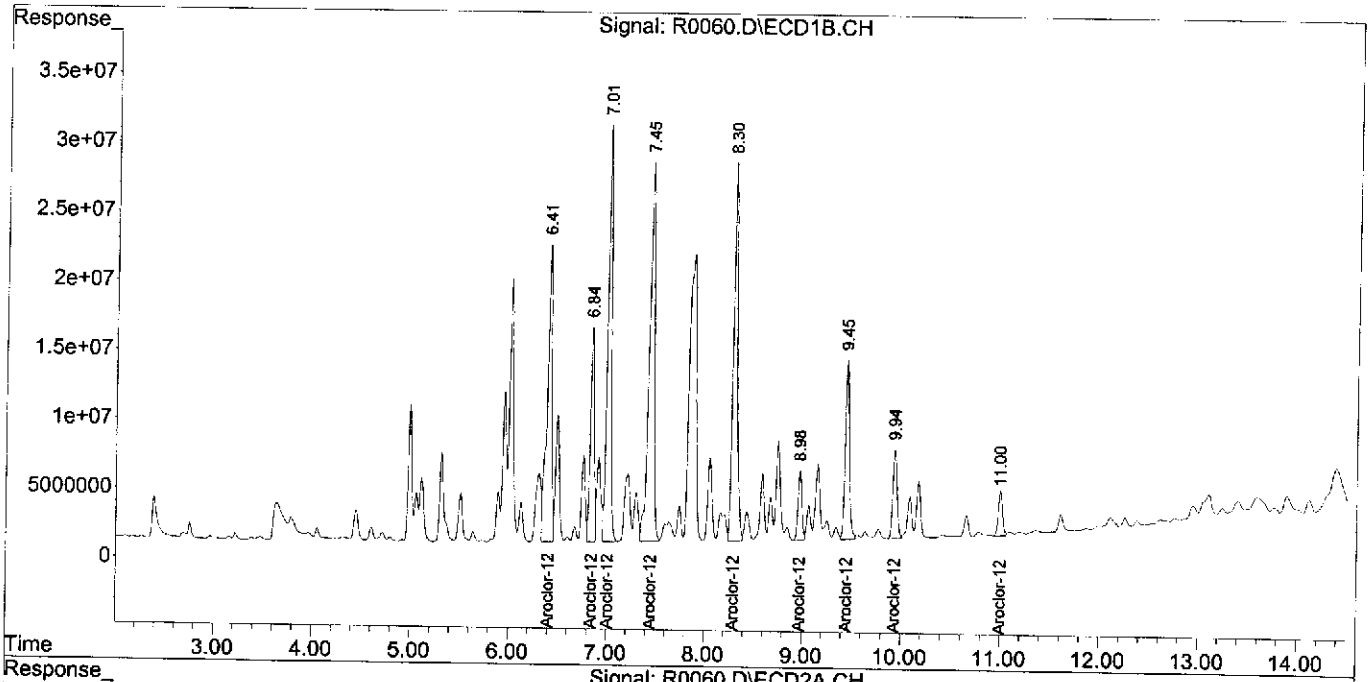
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

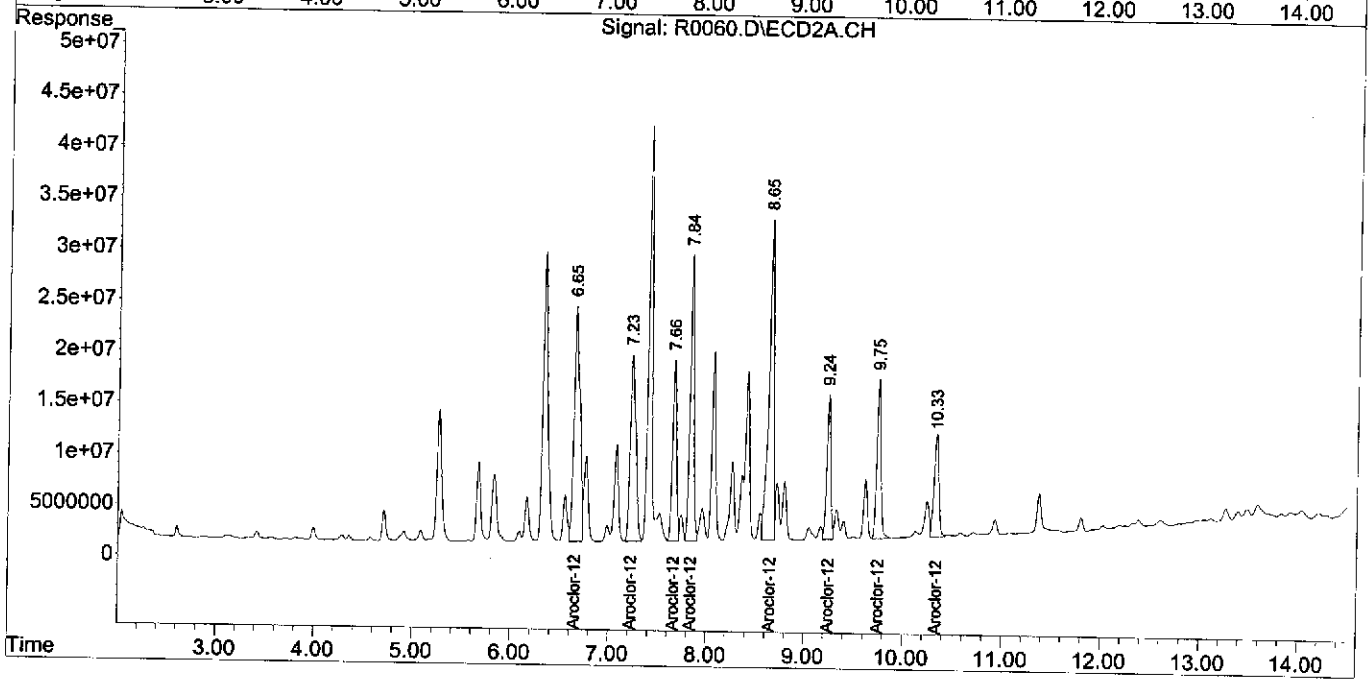
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0060.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 19:05
Operator : JS
Sample : P-39N_(4.0,03992-010,S,5.15g,40.2,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,100
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:10:03 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\05-12-13\
Data File : R0057.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 18:13
Operator : JS
Sample : P-39W_(0-2,03992-011,S,5.38g,13.6,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,5
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:37:57 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	2.75	2.60	403.1E6	506.0E6	29.898	33.418
Spiked Amount 200.000			Recovery	=	14.95%	16.71%
2) S DCB	12.10	12.02	135.7E6	178.2E6	44.587m	51.551m
Spiked Amount 200.000			Recovery	=	22.29%	25.78%
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	4.45	4.71	200.3E6	190.1E6	431.571	351.412
24) L6 Aroclor-1248 {2}	4.99	5.27	185.0E6	435.6E6	706.714	550.160
25) L6 Aroclor-1248 {3}	5.31	5.67	228.8E6	312.5E6	677.146	548.137
26) L6 Aroclor-1248 {4}	6.01	5.82	453.8E6	197.5E6	889.927	413.123 #
27) L6 Aroclor-1248 {5}	6.28	6.16	232.0E6	125.8E6	565.250	444.303
Sum Aroclor-1248			1299.9E6	1261.5E6	3270.607	2307.136
Average Aroclor-1248					654.121	461.427
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	0.00	570.7E6	0	666.516	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.66	176.0E6	470.0E6	444.469	711.519m#
35) L8 Aroclor-1260 {3}	9.45	9.24	437.8E6	361.1E6	464.171	652.160m#
36) L8 Aroclor-1260 {4}	9.93	9.75	242.9E6	556.5E6	479.335	484.774
37) L8 Aroclor-1260 {5}	11.00	10.33	198.4E6	372.4E6	964.957	455.470 #
Sum Aroclor-1260			1625.9E6	1760.1E6	3019.447	2303.923
Average Aroclor-1260					603.889	575.981
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\05-12-13\
Data File : R0057.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 18:13
Operator : JS
Sample : P-39W_(0-2,03992-011,S,5.38g,13.6,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,5
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:37:57 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

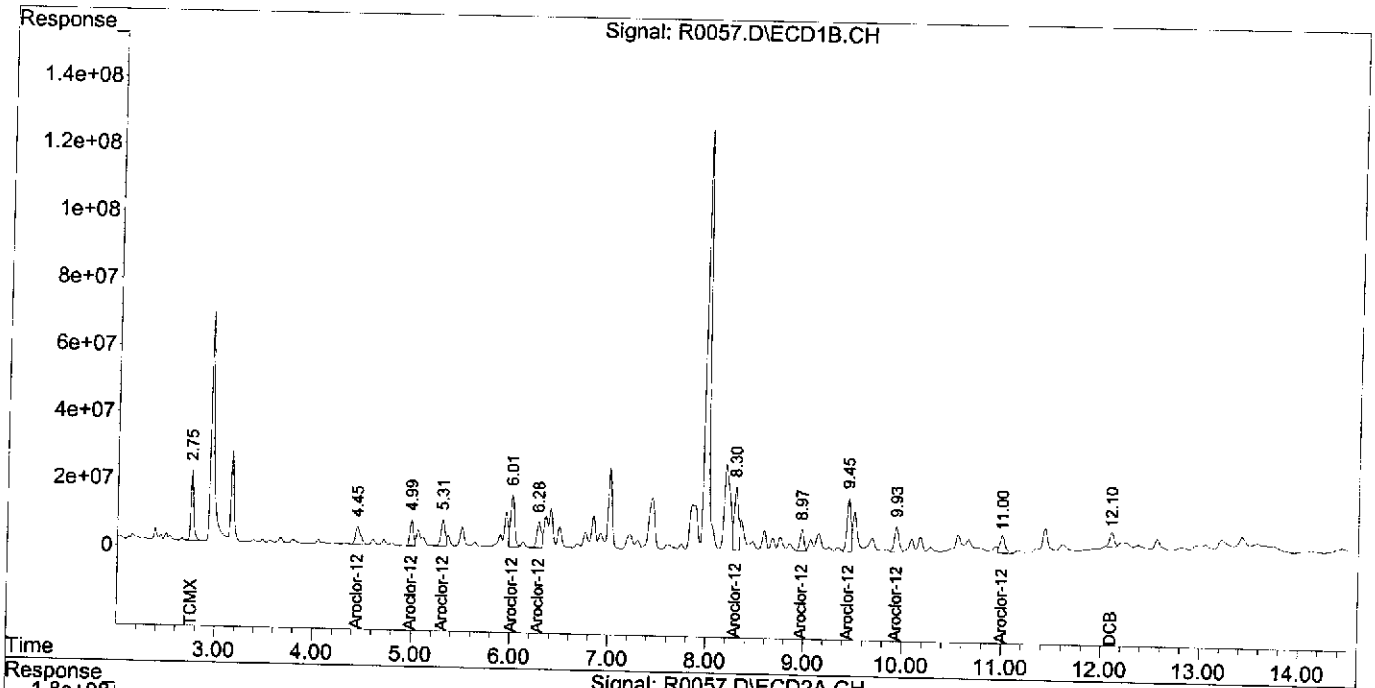
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

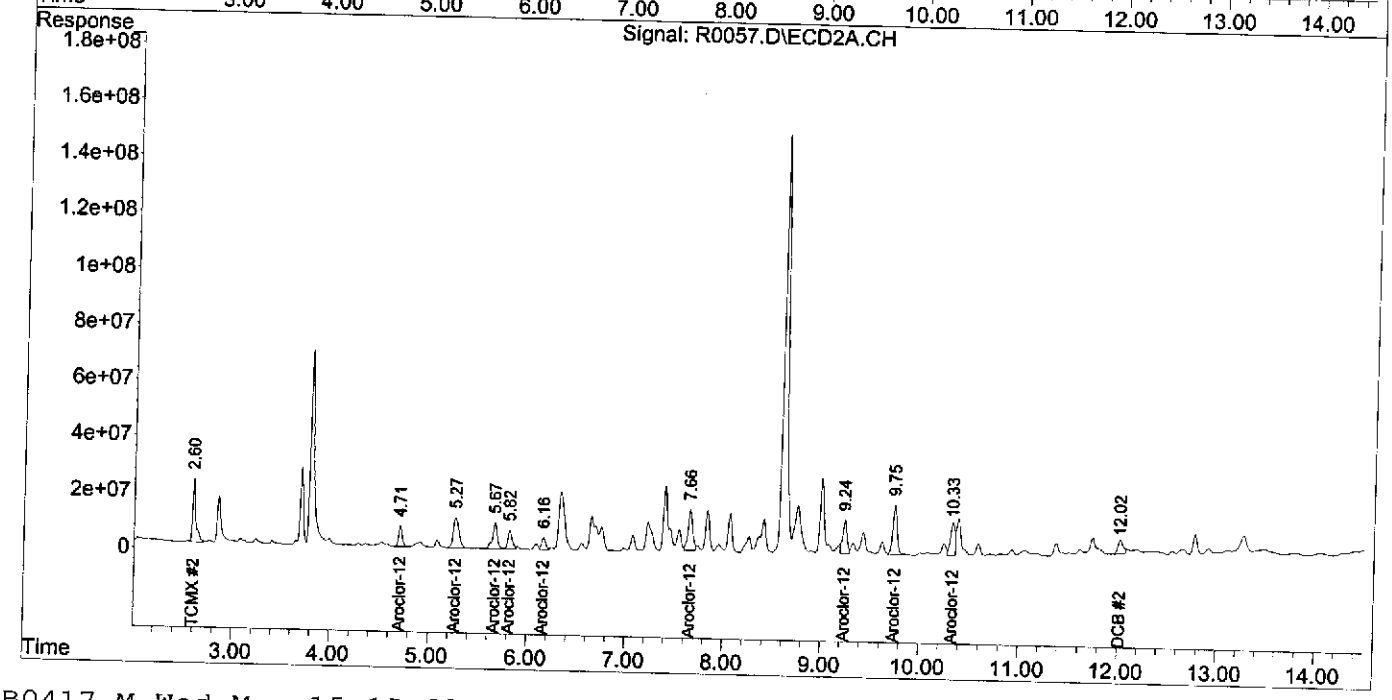
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-12-13\
Data File : R0057.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 18:13
Operator : JS
Sample : P-39W_(0-2,03992-011,S,5.38g,13.6,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,5
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:37:57 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\05-11-13\
Data File : R0043.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 11:14
Operator : JS
Sample : P-39W_(2.0,03992-012,S,5.24g,8.20,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:00:32 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						
1) S TCMX	2.75	2.60	1906.1E6	2117.2E6	141.388	139.817
Spiked Amount 200.000			Recovery	=	70.69%	69.91%
2) S DCB	12.10	12.02	542.3E6	730.6E6	178.182m	211.354m
Spiked Amount 200.000			Recovery	=	89.09%	105.68%
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

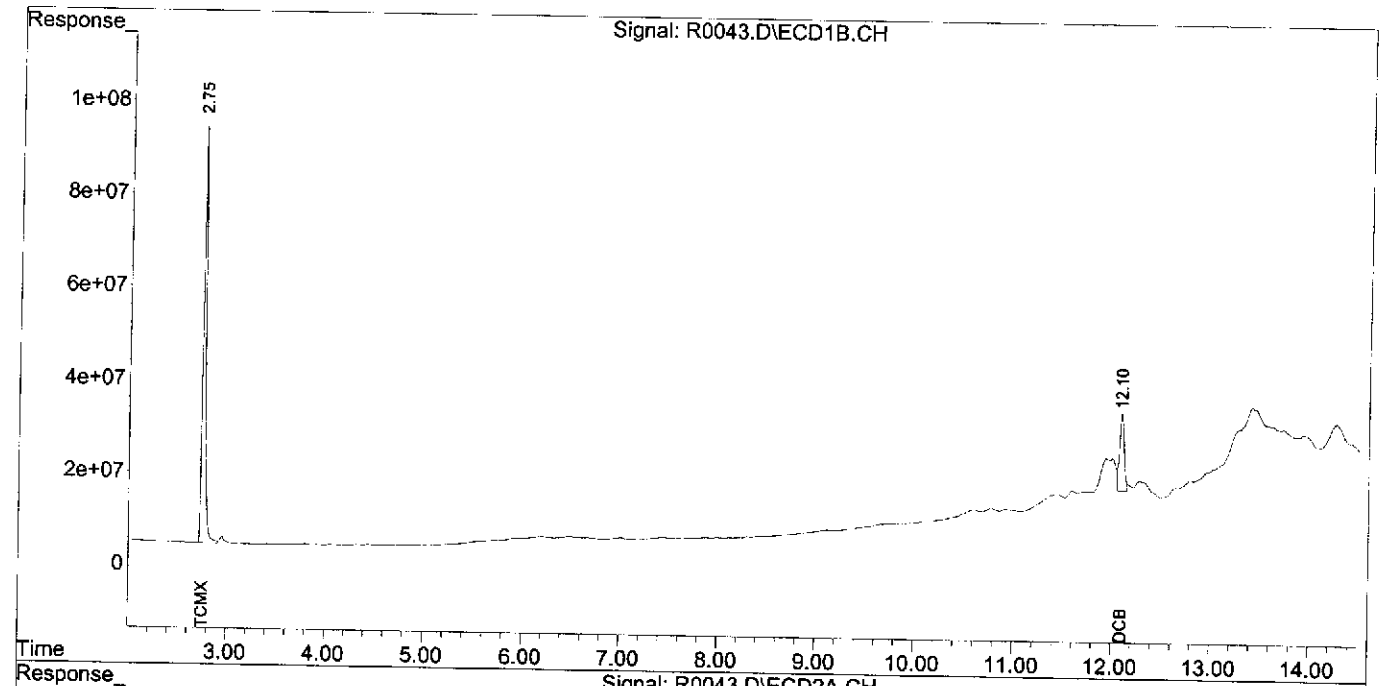
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

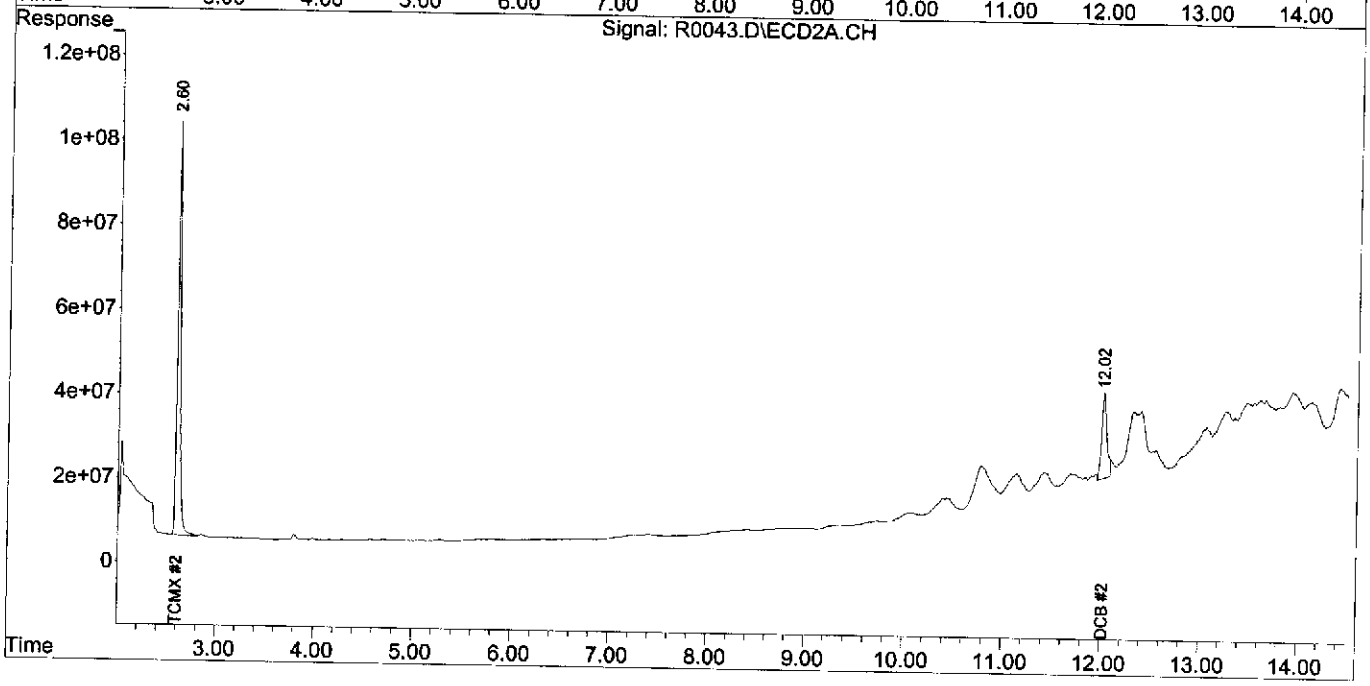
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-11-13\
Data File : R0043.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 11:14
Operator : JS
Sample : P-39W_(2.0,03992-012,S,5.24g,8.20,05/03/13,4
Misc : 130503-02,05/01/13,05/01/13,1
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 14:00:32 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\05-13-13\
Data File : R0133.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 May 2013 23:18
Operator : JS
Sample : P-39W_(4.0,03992-013,S,5.65g,78.7,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:38:14 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	2585.0E6	3026.3E6	191.746	199.854
Spiked Amount 200.000			Recovery	=	95.87%	99.93%
2) S DCB	12.10	12.02	732.0E6	879.7E6	240.505	254.471
Spiked Amount 200.000			Recovery	=	120.25%	127.24%
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

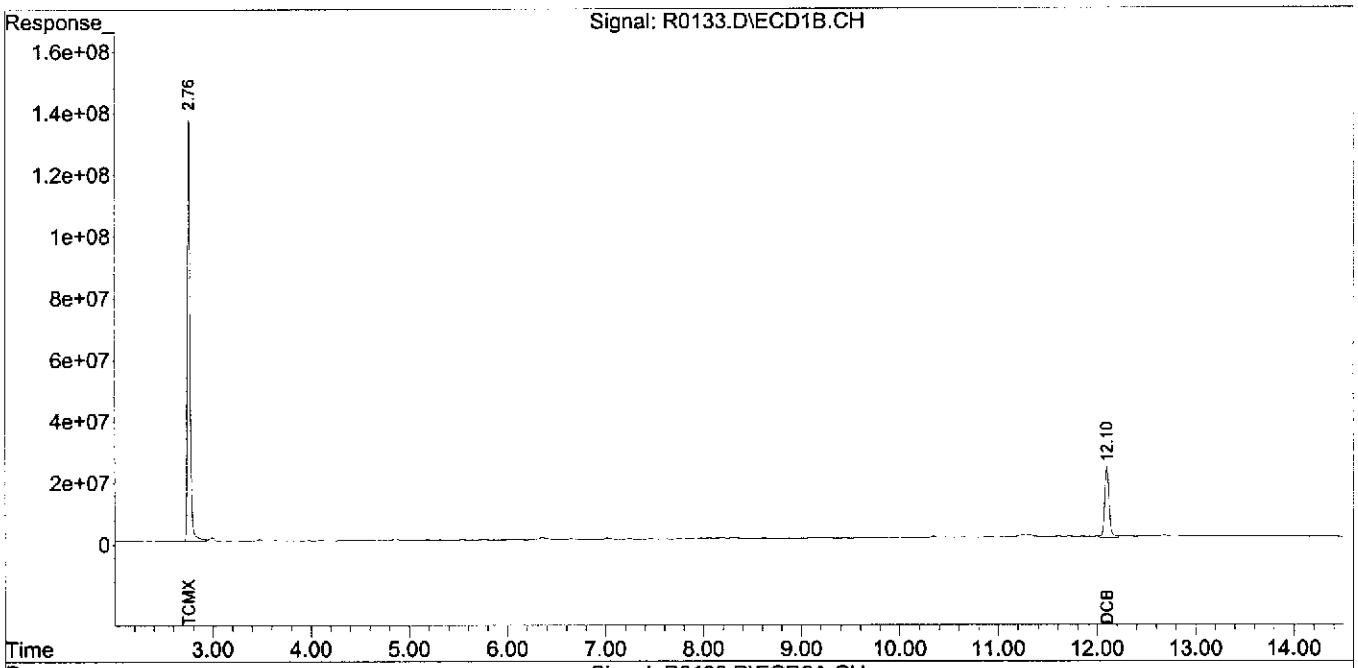
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

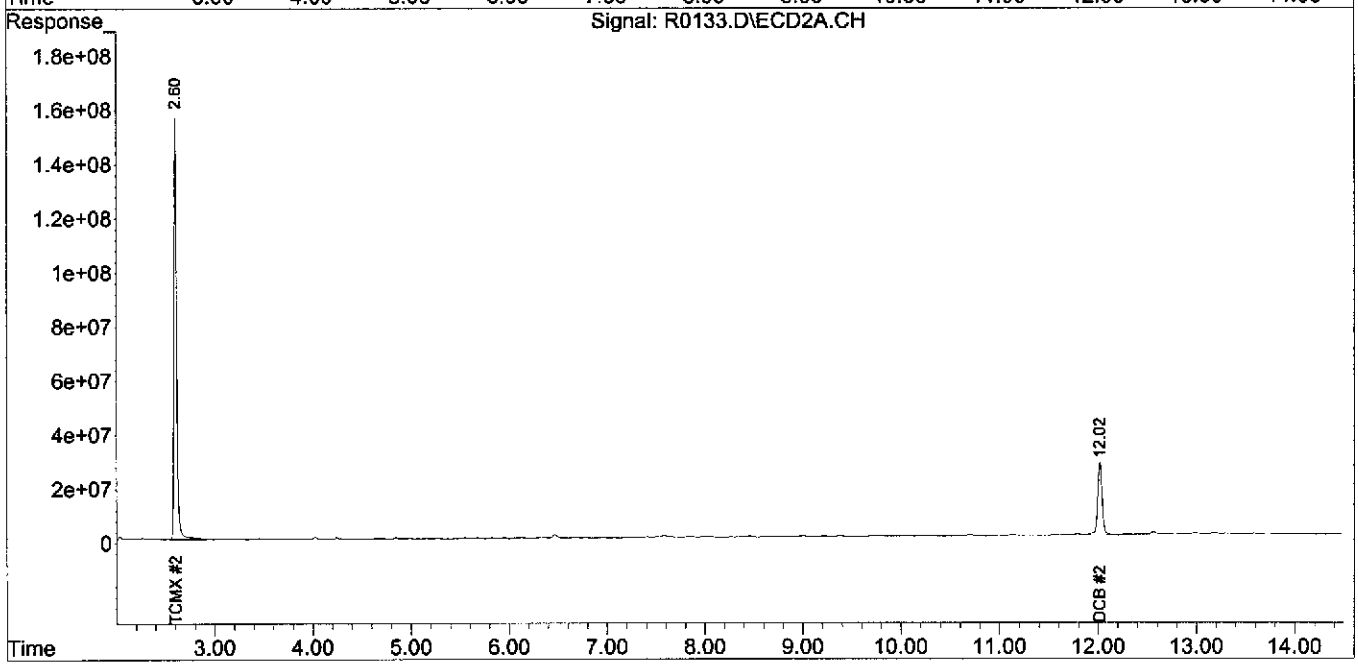
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0133.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 May 2013 23:18
Operator : JS
Sample : P-39W_(4.0,03992-013,S,5.65g,78.7,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:38:14 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\05-13-13\
Data File : R0134.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 May 2013 23:35
Operator : JS
Sample : P-39W (5.2,03992-014,S,5.28g,24.7,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:38:43 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	2110.5E6	2440.0E6	156.551	161.133
Spiked Amount 200.000			Recovery	=	78.28%	80.57%
2) S DCB	12.10	12.02	529.9E6	627.5E6	174.092	181.533
Spiked Amount 200.000			Recovery	=	87.05%	90.77%
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

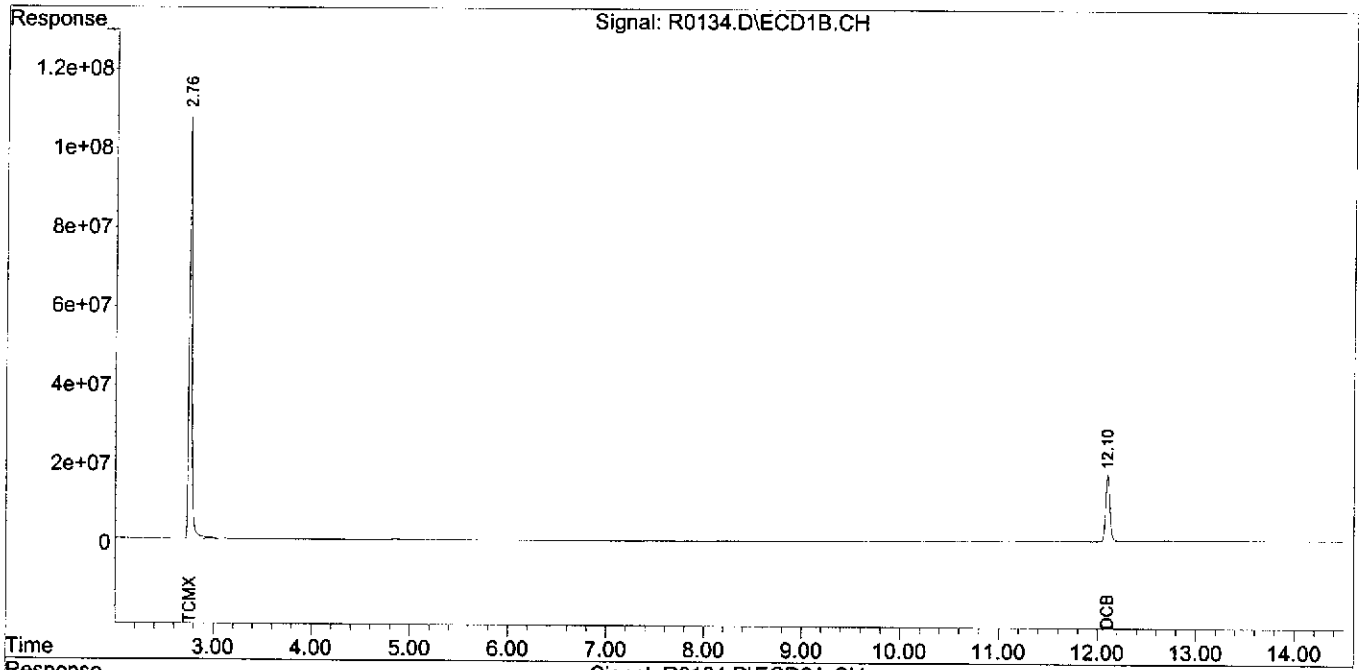
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

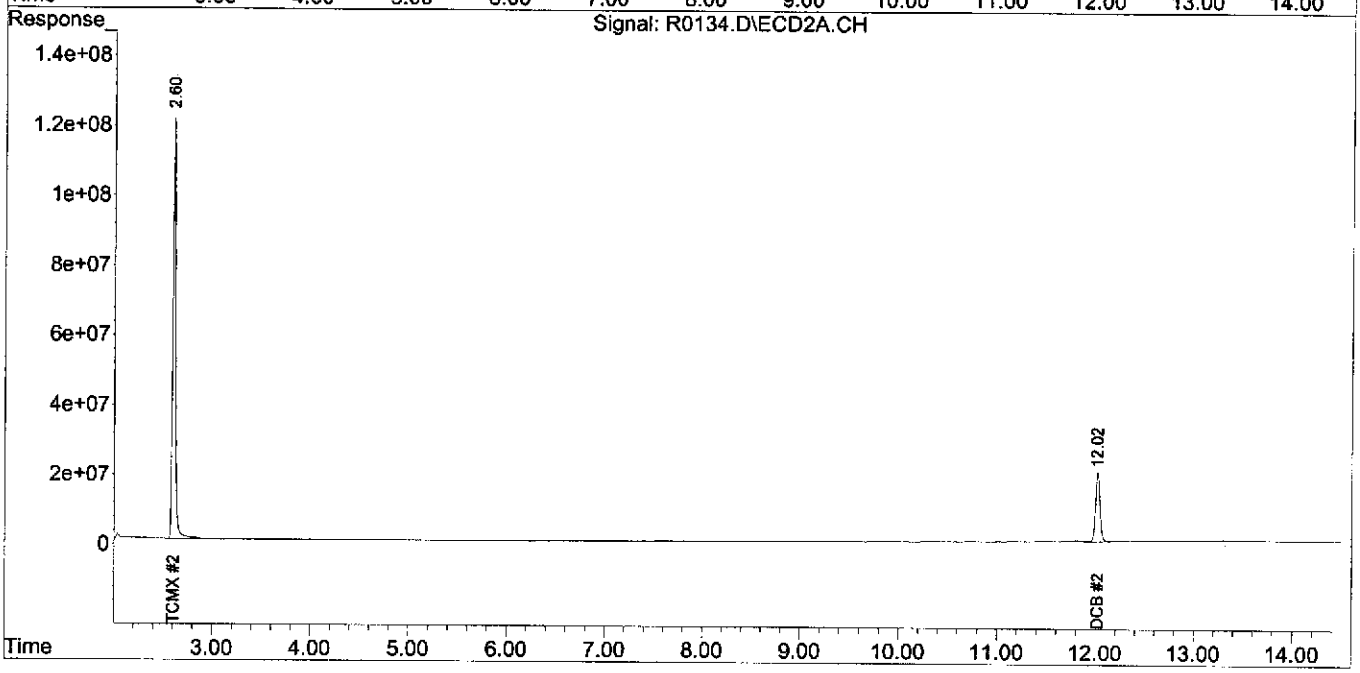
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0134.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 May 2013 23:35
Operator : JS
Sample : P-39W_(5.2,03992-014,S,5.28g,24.7,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:38:43 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\05-13-13\
Data File : R0135.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 May 2013 23:53
Operator : JS
Sample : P-40W_(4.0,03992-015,S,5.35g,11.0,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:40:21 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	1897.2E6	2215.2E6	140.723	146.285
Spiked Amount 200.000			Recovery	=	70.36%	73.14%
2) S DCB	12.10	12.02	489.3E6	582.5E6	160.764	168.499
Spiked Amount 200.000			Recovery	=	80.38%	84.25%
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	4.45	4.71	2527096	2556471	5.446	4.725
24) L6 Aroclor-1248 {2}	4.99	5.28	1672849	7256229	6.389	9.165 #
25) L6 Aroclor-1248 {3}	5.31	5.67	2219003	3874422	6.568	6.796
26) L6 Aroclor-1248 {4}	6.02	5.82	4876790	3623494	9.563	7.581
27) L6 Aroclor-1248 {5}	0.00	6.16	0	2015803	N.D. d	7.121 #
Sum Aroclor-1248			11295737	19326420	27.966	35.388
Average Aroclor-1248					6.992	7.078
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

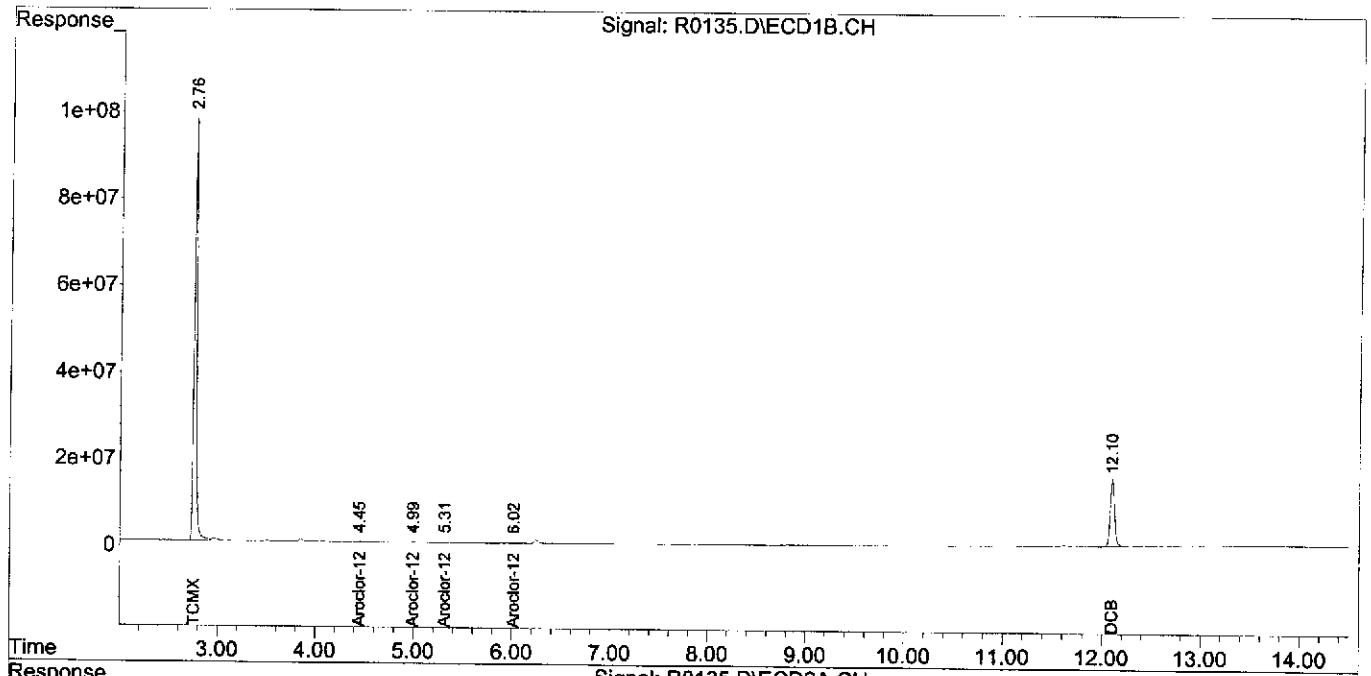
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

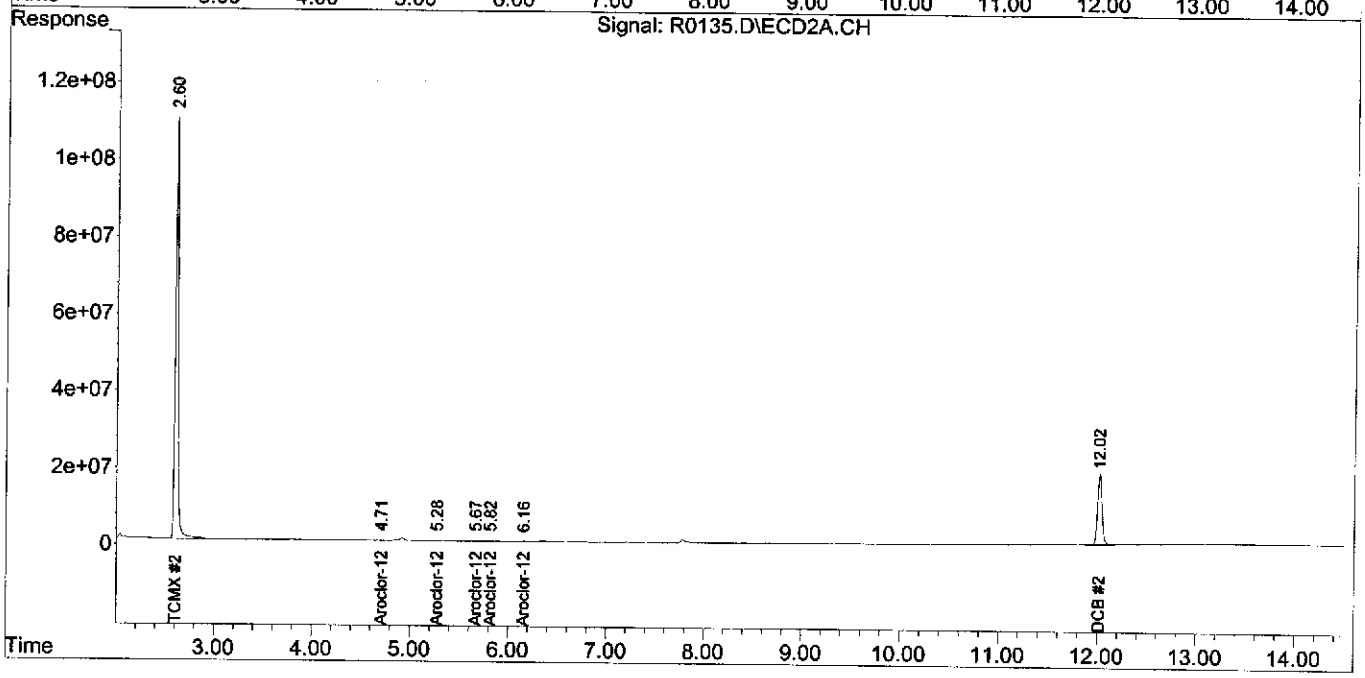
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0135.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 May 2013 23:53
Operator : JS
Sample : P-40W_(4.0,03992-015,S,5.35g,11.0,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:40:21 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\05-13-13\
Data File : R0136.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 00:10
Operator : JS
Sample : P-40W (5.0,03992-016,S,5.61g,77.8,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:42:20 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	2243.5E6	2661.8E6	166.415	175.783
Spiked Amount 200.000				Recovery	=	83.21%	87.89%
2) S DCB		12.10	12.02	708.3E6	863.5E6	232.695	249.777
Spiked Amount 200.000				Recovery	=	116.35%	124.89%
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	287.1E6	280.1E6	618.730	517.702
24) L6 Aroclor-1248	{2}	4.99	5.27	176.2E6	527.0E6	672.940	665.632
25) L6 Aroclor-1248	{3}	5.31	5.67	197.8E6	304.3E6	585.550	533.798
26) L6 Aroclor-1248	{4}	6.02	5.82	396.2E6	213.9E6	776.969	447.562 #
27) L6 Aroclor-1248	{5}	0.00	6.16	0	124.0E6	N.D. d	438.173 #
Sum Aroclor-1248				1057.3E6	1449.4E6	2654.188	2602.866
Average Aroclor-1248						663.547	520.573
Sum Aroclor-1254				0	0	N.D.	N.D.
Average Aroclor-1254						0.000	0.000
33) L8 Aroclor-1260		8.30	0.00	406.0E6	0	474.165	N.D. d#
34) L8 Aroclor-1260	{2}	8.98	7.66	92358928	263.2E6	233.188	398.440 #
35) L8 Aroclor-1260	{3}	9.45	9.24	208.2E6	164.3E6	220.747	296.773 #
36) L8 Aroclor-1260	{4}	9.93	9.75	156.6E6	245.4E6	309.121	213.808 #
37) L8 Aroclor-1260	{5}	11.00	10.33	81084969	179.0E6	394.288	218.884 #
Sum Aroclor-1260				944.3E6	851.9E6	1631.510	1127.905
Average Aroclor-1260						326.302	281.976
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\05-13-13\
Data File : R0136.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 00:10
Operator : JS
Sample : P-40W_(5.0,03992-016,S,5.61g,77.8,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:42:20 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

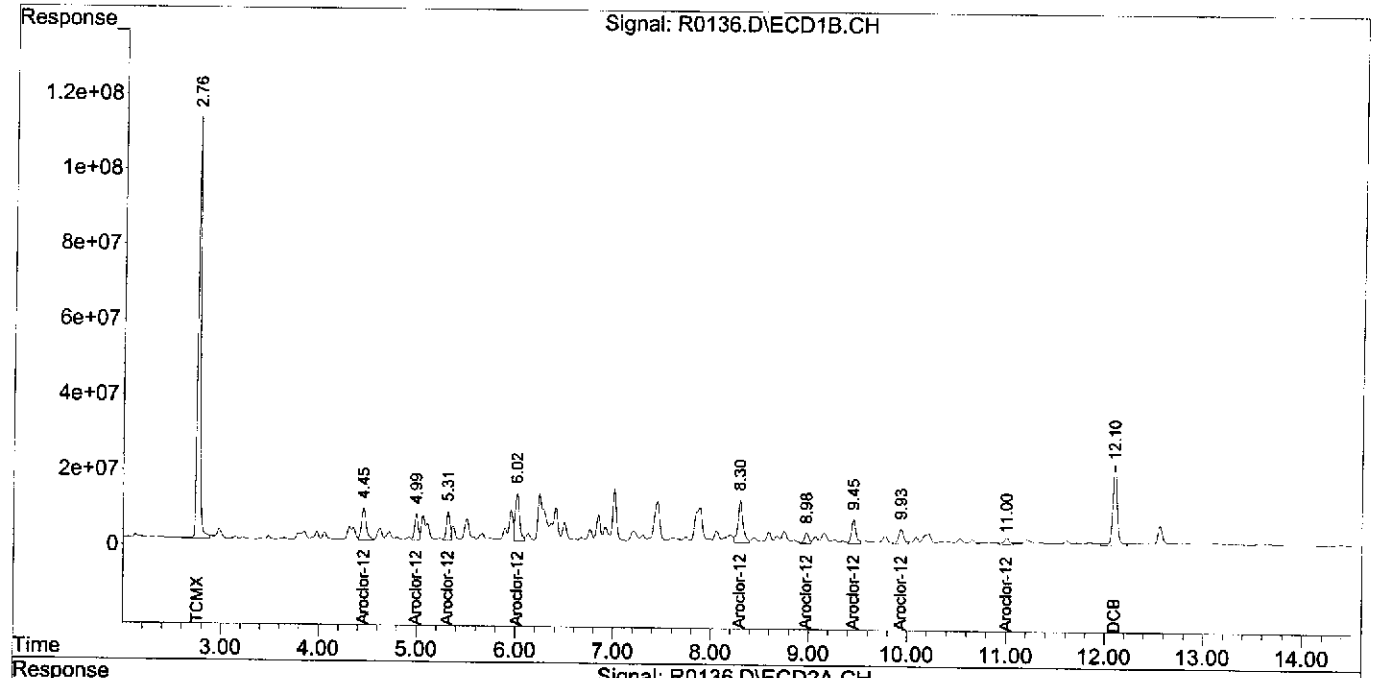
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

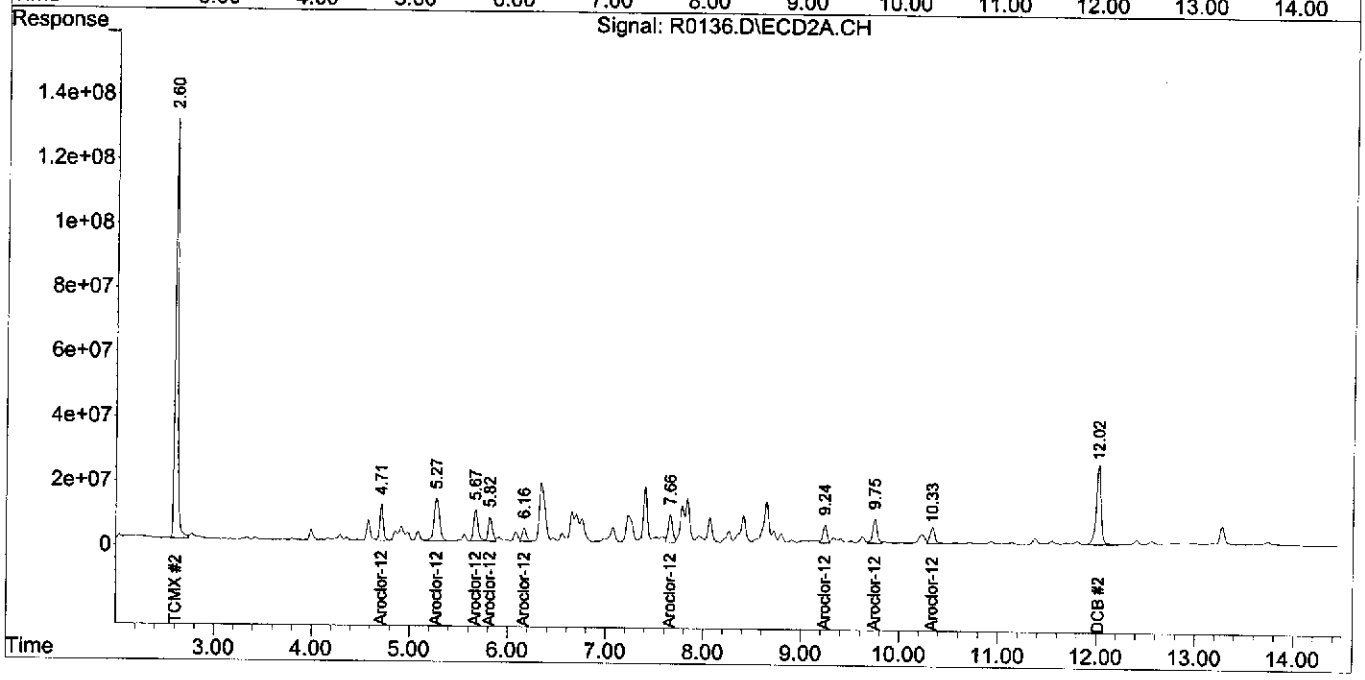
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0136.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 00:10
Operator : JS
Sample : P-40W_(5.0,03992-016,S,5.61g,77.8,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:42:20 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\05-15-13\
Data File : R0226.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 16:48
Operator : JS
Sample : P-41W_(2.0,03992-017,S,5.02g,19.2,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:14:05 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	208.1E6	231.8E6	15.437	15.308
Spiked Amount 200.000				Recovery =		7.72%	7.65%
2) S DCB		12.10	12.02	62195999	72340233	20.434m	20.926m
Spiked Amount 200.000				Recovery =		10.22%	10.46%
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	400.3E6	453.0E6	862.593	837.343
24) L6 Aroclor-1248	{2}	4.99	5.28	256.8E6	853.5E6	980.928	1077.923
25) L6 Aroclor-1248	{3}	5.31	5.67	385.3E6	642.8E6	1140.594	1127.501
26) L6 Aroclor-1248	{4}	6.01	5.82	711.3E6	477.3E6	1394.882	998.535 #
27) L6 Aroclor-1248	{5}	6.28	6.16	455.0E6	254.6E6	1108.492m	899.336
Sum Aroclor-1248				2208.7E6	2681.2E6	5487.490	4940.638
Average Aroclor-1248						1097.498	988.128
Sum Aroclor-1254				0	0	N.D.	N.D.
Average Aroclor-1254						0.000	0.000
33) L8 Aroclor-1260		8.30	0.00	519.9E6	0	607.225	N.D. d#
34) L8 Aroclor-1260	{2}	8.98	7.66	171.7E6	374.6E6	433.618	567.050 #
35) L8 Aroclor-1260	{3}	9.45	9.24	459.0E6	266.1E6	486.584	480.653
36) L8 Aroclor-1260	{4}	9.94	9.75	209.6E6	574.9E6	413.578	500.796
37) L8 Aroclor-1260	{5}	11.00	10.34	157.4E6	417.8E6	765.419	510.974 #
Sum Aroclor-1260				1517.6E6	1633.4E6	2706.424	2059.473
Average Aroclor-1260						541.285	514.868
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\05-15-13\
Data File : R0226.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 16:48
Operator : JS
Sample : P-41W_(2.0,03992-017,S,5.02g,19.2,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:14:05 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.

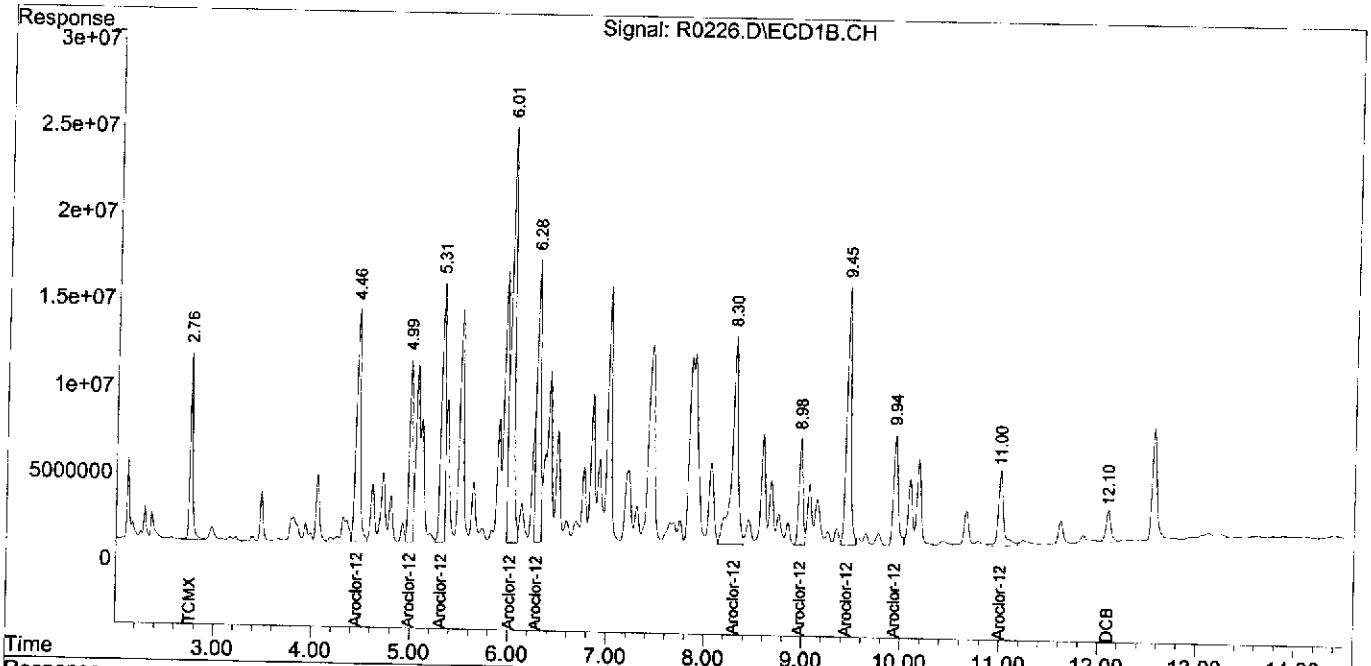
Quantitation Report (QT Reviewed)

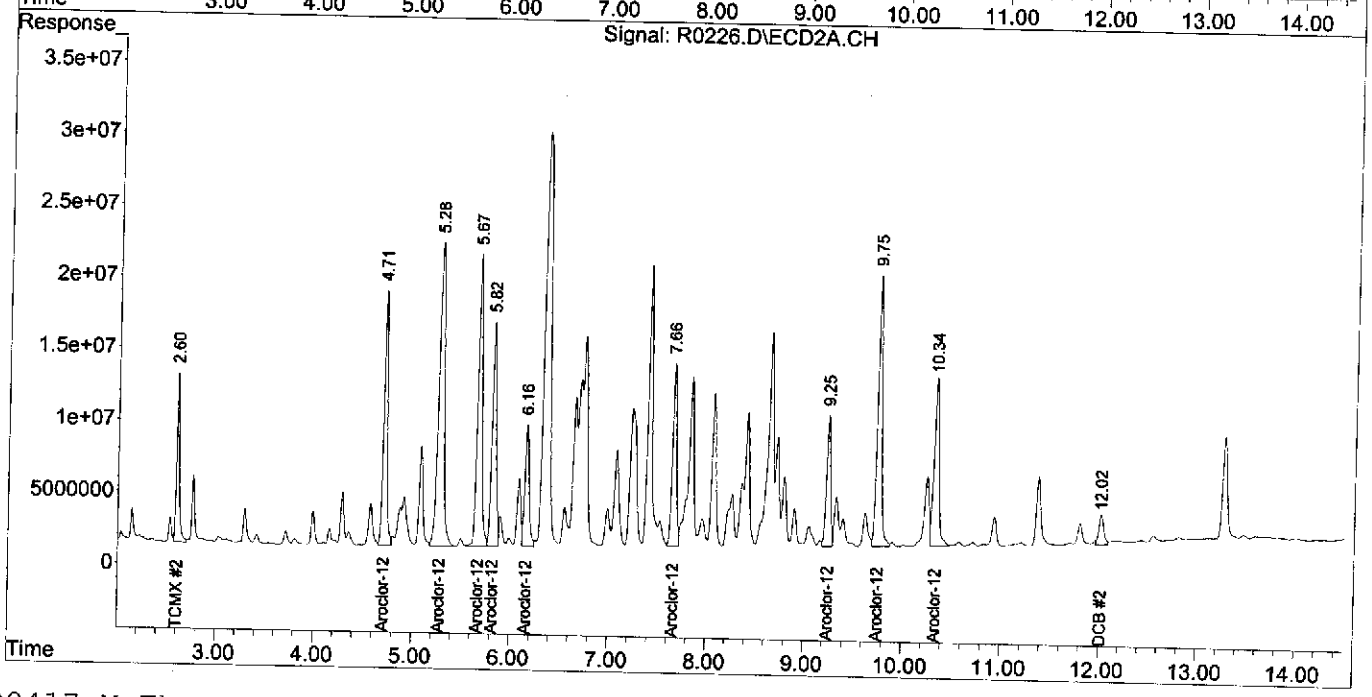
Data Path : C:\MSDCHEM\1\DATA\05-15-13\
Data File : R0226.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 16:48
Operator : JS
Sample : P-41W_(2.0,03992-017,S,5.02g,19.2,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:14:05 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\05-15-13\
Data File : R0227.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 17:05
Operator : JS
Sample : P-41W_(4.0,03992-018,S,5.31g,34.2,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,5
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:20:00 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	451.4E6	518.2E6	33.479	34.222
Spiked Amount 200.000			Recovery =		16.74%	17.11%
2) S DCB	12.10	12.02	120.0E6	128.3E6	39.440m	37.114m
Spiked Amount 200.000			Recovery =		19.72%	18.56%
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	360.4E6	463.7E6	621.581	632.136
29) L7 Aroclor-1254 {2}	6.85	7.23	221.2E6	333.5E6	591.995	588.761
30) L7 Aroclor-1254 {3}	7.01	7.66	411.2E6	235.8E6	609.577	631.380
31) L7 Aroclor-1254 {4}	7.45	7.84	462.4E6	450.8E6	641.444	801.309
32) L7 Aroclor-1254 {5}	8.30	8.65	435.3E6	545.7E6	698.316	738.854
Sum Aroclor-1254			1890.4E6	2029.5E6	3162.914	3392.439
Average Aroclor-1254					632.583	678.488
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

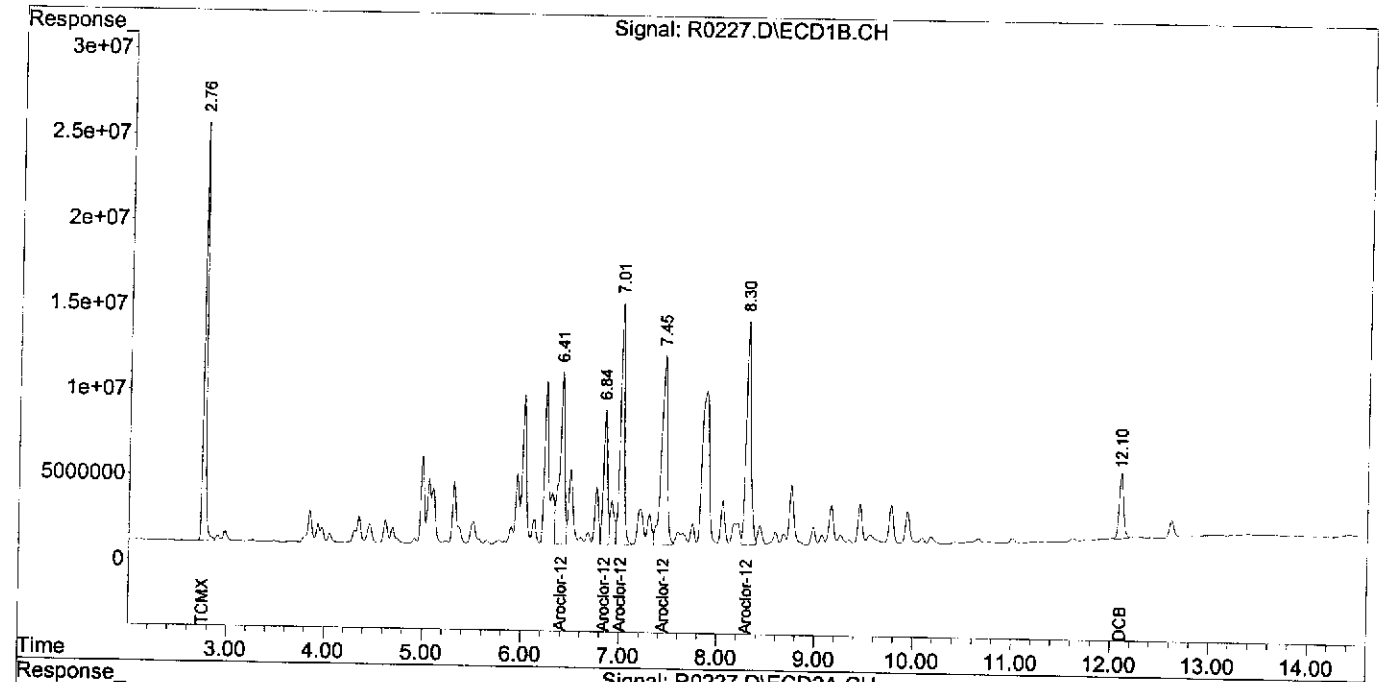
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

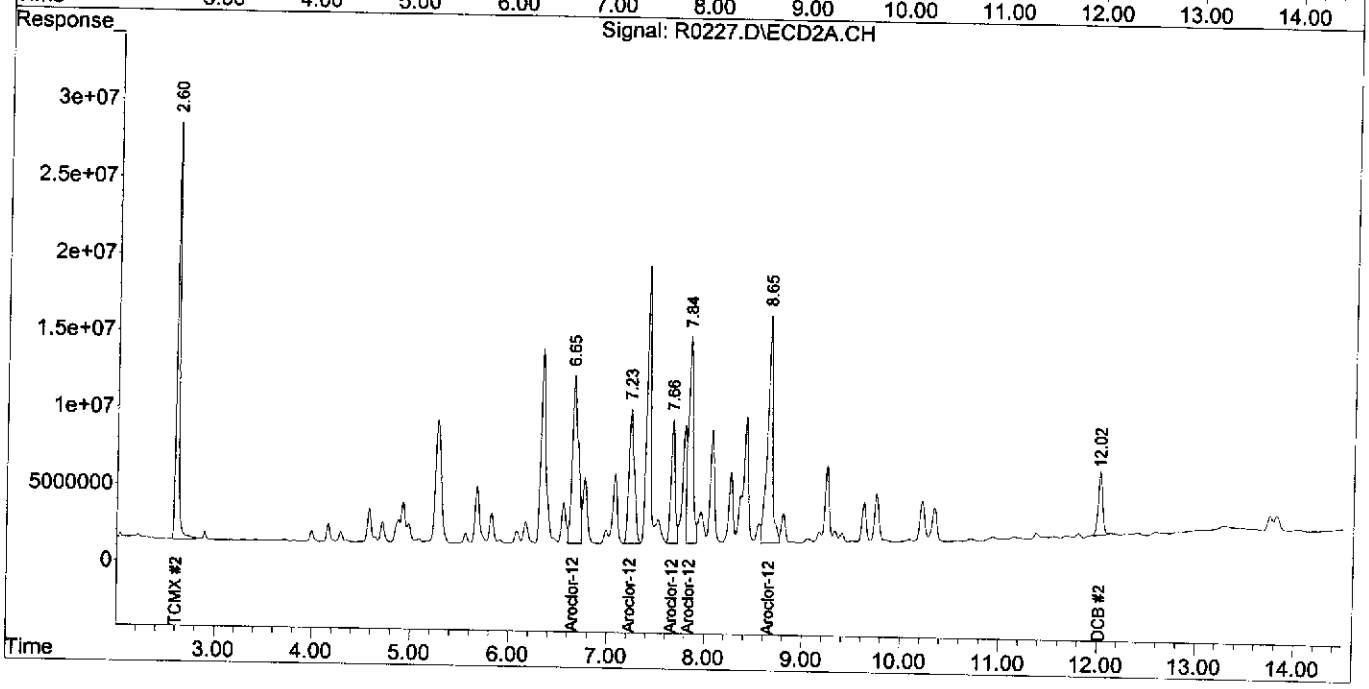
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-15-13\
Data File : R0227.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 17:05
Operator : JS
Sample : P-41W_(4.0,03992-018,S,5.31g,34.2,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,5
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:20:00 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\05-15-13\
Data File : R0228.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 17:49
Operator : JS
Sample : P-43W_(4.0,03992-019,S,5.70g,29.2,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,200
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:54:55 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
23) L6 Aroclor-1248	4.45	4.73	575.3E6	615.7E6	1239.857	1138.029
24) L6 Aroclor-1248 {2}	4.99	5.30	128.6E6	446.8E6	491.239	564.289
25) L6 Aroclor-1248 {3}	5.32	5.68	188.1E6	349.1E6	556.742	612.353
26) L6 Aroclor-1248 {4}	6.01	5.84	342.1E6	346.6E6	670.936	725.217
27) L6 Aroclor-1248 {5}	6.29	6.18	313.0E6	161.2E6	762.655	569.572 #
Sum Aroclor-1248			1547.2E6	1919.5E6	3721.430	3609.461
Average Aroclor-1248					744.286	721.892
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.27	7.42	400.8E6	156.4E6	468.073m	344.754 #
34) L8 Aroclor-1260 {2}	8.98	7.67	42352110	143.1E6	106.931	216.564 #
35) L8 Aroclor-1260 {3}	9.46	9.26	124.8E6	57728286	132.301	104.262
36) L8 Aroclor-1260 {4}	9.94	9.76	83750963	128.0E6	165.278	111.470 #
37) L8 Aroclor-1260 {5}	0.00	10.34	0	91913429	N.D. d	112.407 #
Sum Aroclor-1260			651.7E6	577.0E6	872.583	889.457
Average Aroclor-1260					218.146	177.891
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

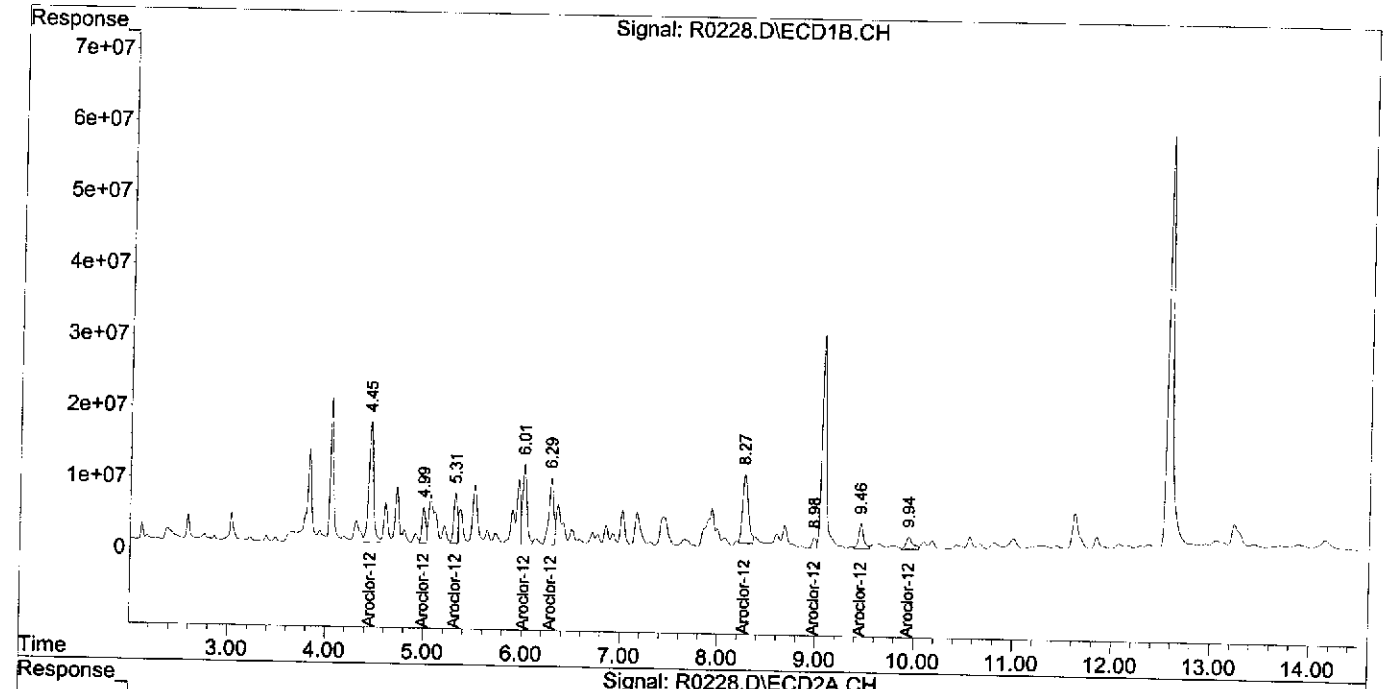
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

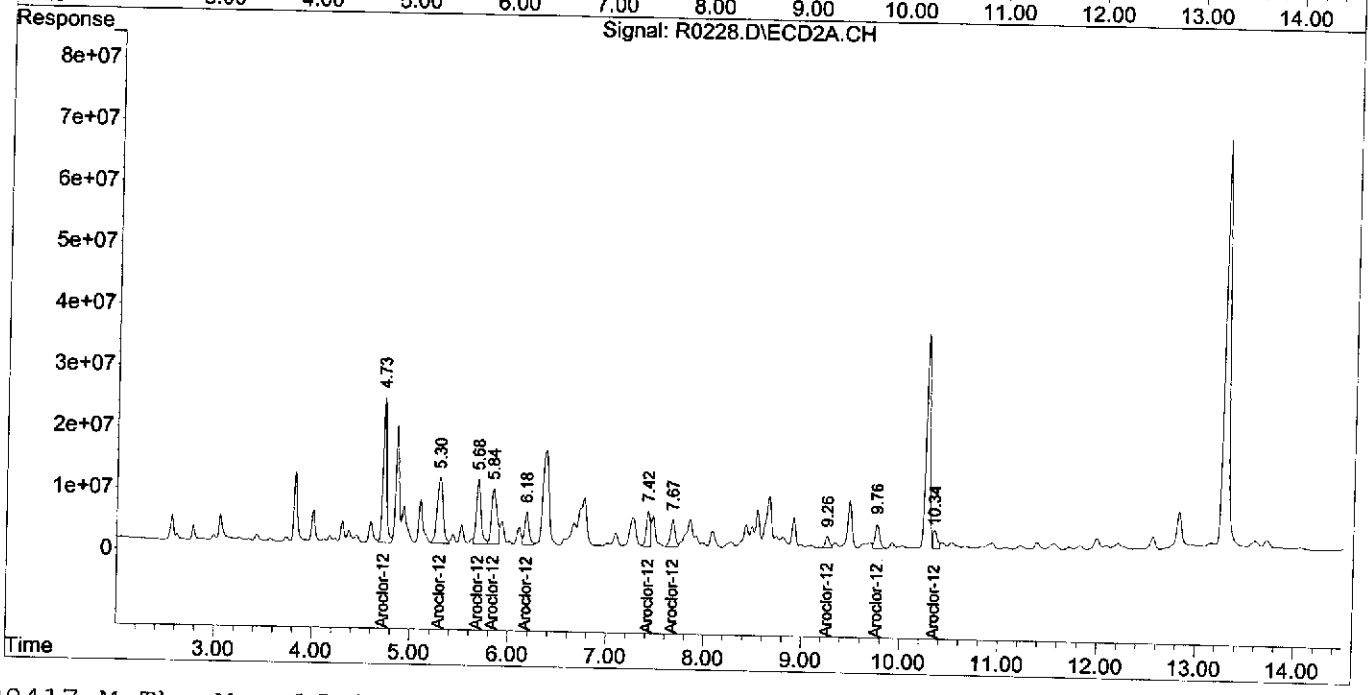
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-15-13\
Data File : R0228.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 17:49
Operator : JS
Sample : P-43W_(4.0,03992-019,S,5.70g,29.2,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,200
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:54:55 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\05-13-13\
Data File : R0140.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 1:20
Operator : JS
Sample : P-44W_(4.0,03992-020,S,5.65g,77.7,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:45:11 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						
1) S TCMX	2.76	2.60	2310.8E6	2737.1E6	171.406	180.750
Spiked Amount 200.000			Recovery	=	85.70%	90.38%
2) S DCB	12.10	12.02	674.0E6	794.7E6	221.439m	229.897m
Spiked Amount 200.000			Recovery	=	110.72%	114.95%
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	45499292	31310935	98.055	57.872 #
24) L6 Aroclor-1248 {2}	4.99	5.28	12893592	42661152	49.242	53.881
25) L6 Aroclor-1248 {3}	0.00	5.67	0	33073208	N.D. d	58.009 #
26) L6 Aroclor-1248 {4}	6.01	5.82	40451977	30777600	79.325	64.394
27) L6 Aroclor-1248 {5}	6.35	6.16	48348625	23050795	117.798m	81.433 #
Sum Aroclor-1248			147.2E6	160.9E6	344.421	315.589
Average Aroclor-1248					86.105	63.118
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

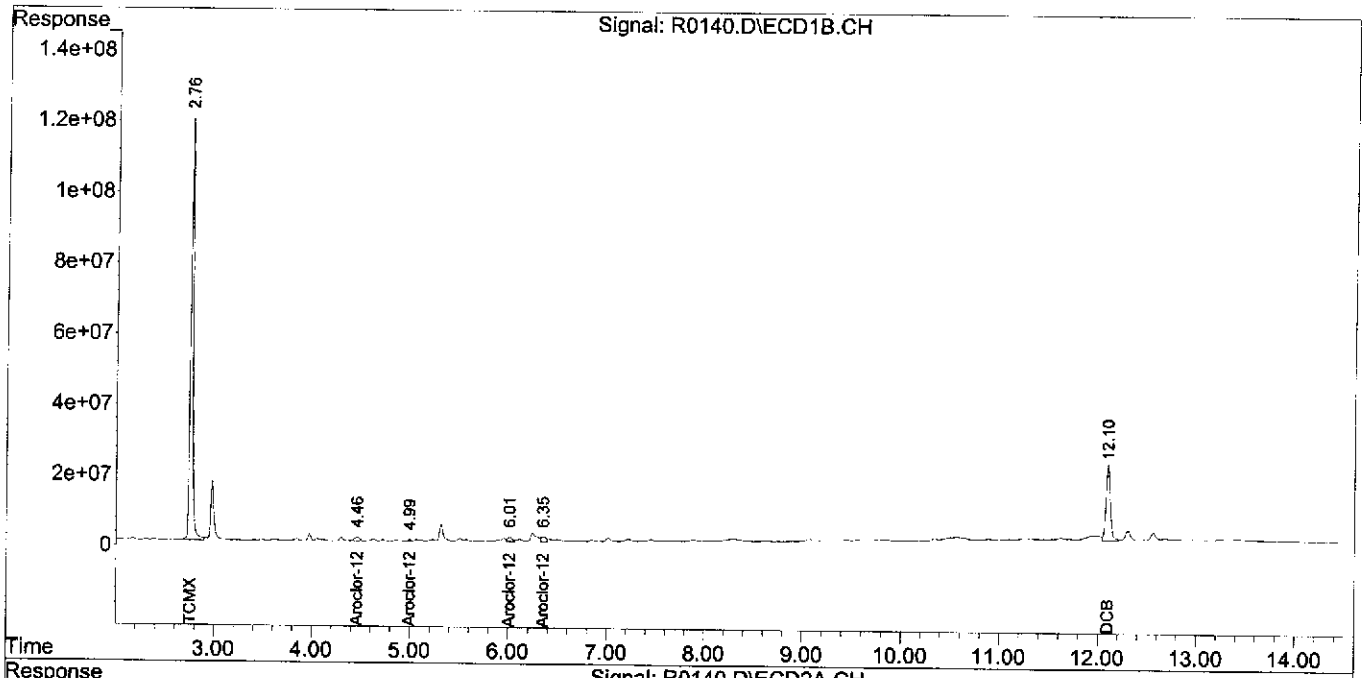
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

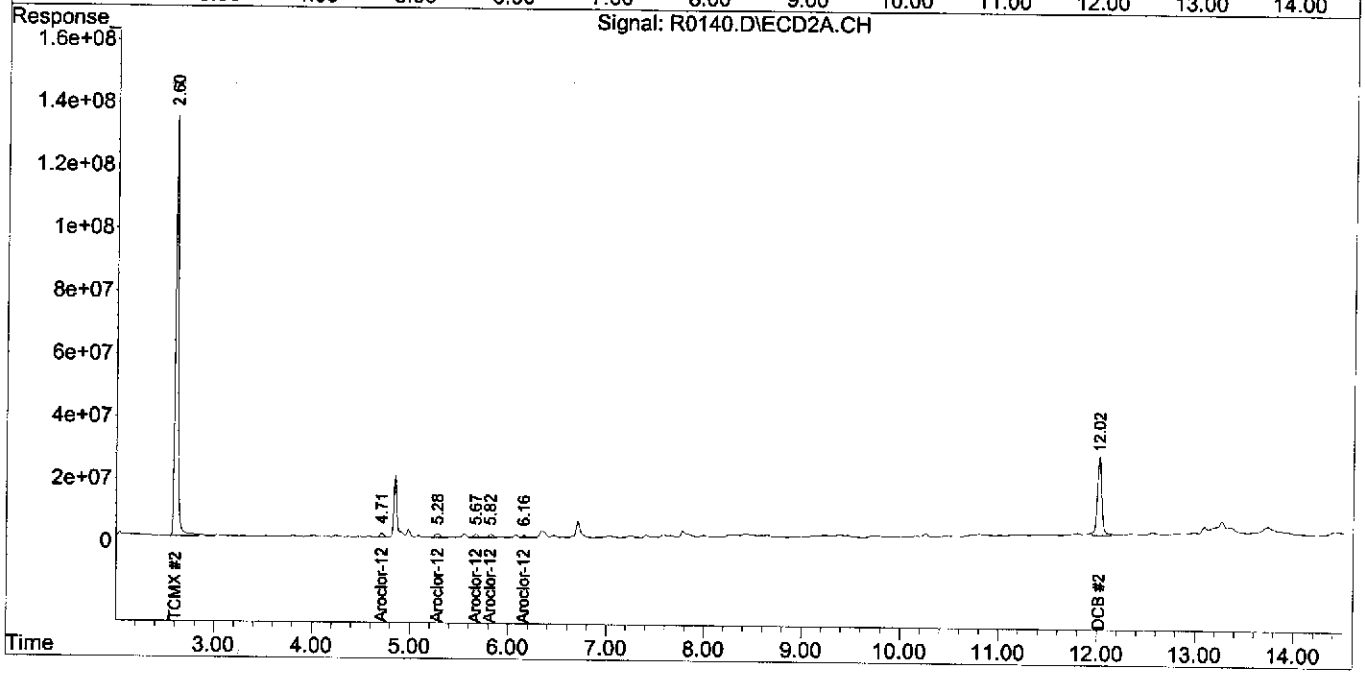
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0140.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 1:20
Operator : JS
Sample : P-44W_(4.0,03992-020,S,5.65g,77.7,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:45:11 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\05-13-13\
Data File : R0141.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 1:37
Operator : JS
Sample : P-44E_(4.0,03992-021,S,5.68g,75.8,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:49:15 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	2319.0E6	2727.5E6	172.017	180.120
Spiked Amount 200.000			Recovery	=	86.01%	90.06%
2) S DCB	12.10	12.01	697.3E6	821.9E6	229.103	237.763m
Spiked Amount 200.000			Recovery	=	114.55%	118.88%
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	4.45	4.71	378.9E6	424.7E6	816.596	784.927
24) L6 Aroclor-1248 {2}	4.99	5.28	134.7E6	515.2E6	514.464	650.689 #
25) L6 Aroclor-1248 {3}	5.31	5.67	192.1E6	226.9E6	568.577	397.923 #
26) L6 Aroclor-1248 {4}	6.01	5.82	224.7E6	155.2E6	440.688	324.723 #
27) L6 Aroclor-1248 {5}	0.00	6.16	0	90948940	N.D. d	321.301 #
Sum Aroclor-1248			930.4E6	1412.9E6	2340.325	2479.562
Average Aroclor-1248					585.081	495.912
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	0.00	191.9E6	0	224.142	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.66	79084870	163.7E6	199.674	247.746
35) L8 Aroclor-1260 {3}	9.45	9.24	177.1E6	114.4E6	187.746	206.665
36) L8 Aroclor-1260 {4}	9.94	9.75	97983850	236.8E6	193.366	206.297
37) L8 Aroclor-1260 {5}	11.00	10.33	51671927	174.3E6	251.263m	213.223
Sum Aroclor-1260			597.7E6	689.3E6	1056.190	873.930
Average Aroclor-1260					211.238	218.482
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\05-13-13\
Data File : R0141.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 1:37
Operator : JS
Sample : P-44E_(4.0,03992-021,S,5.68g,75.8,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:49:15 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.

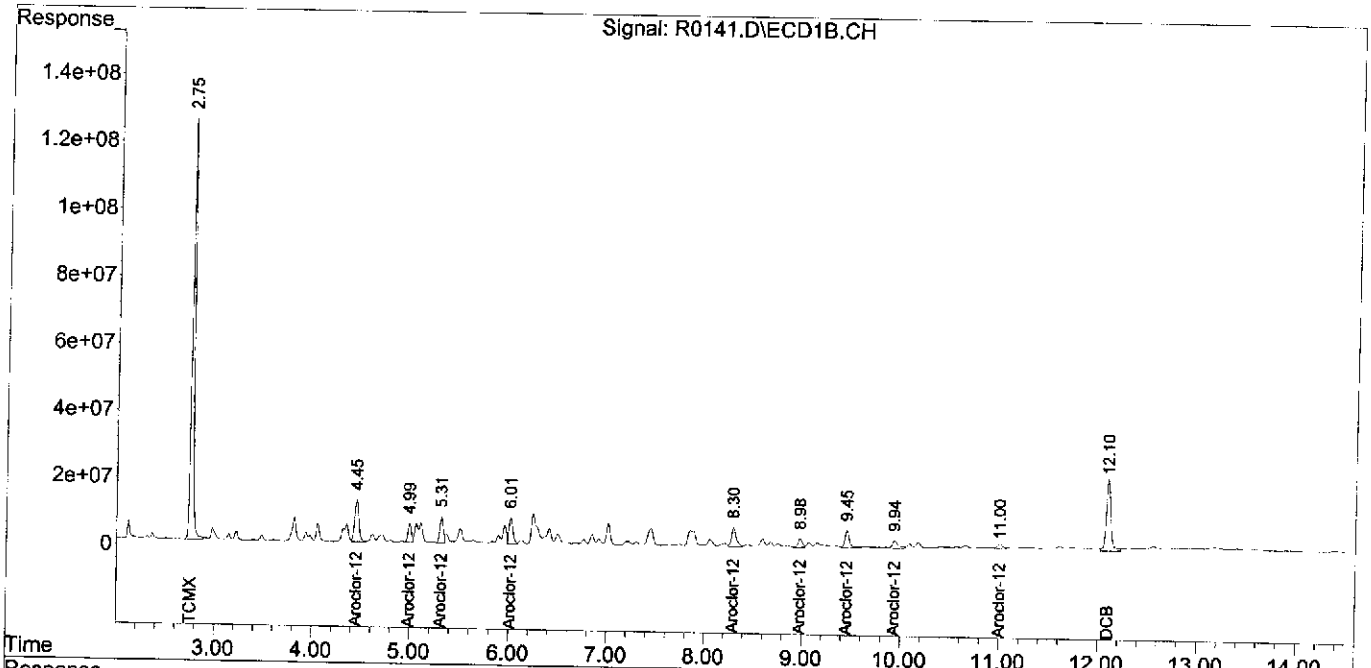
Quantitation Report (QT Reviewed)

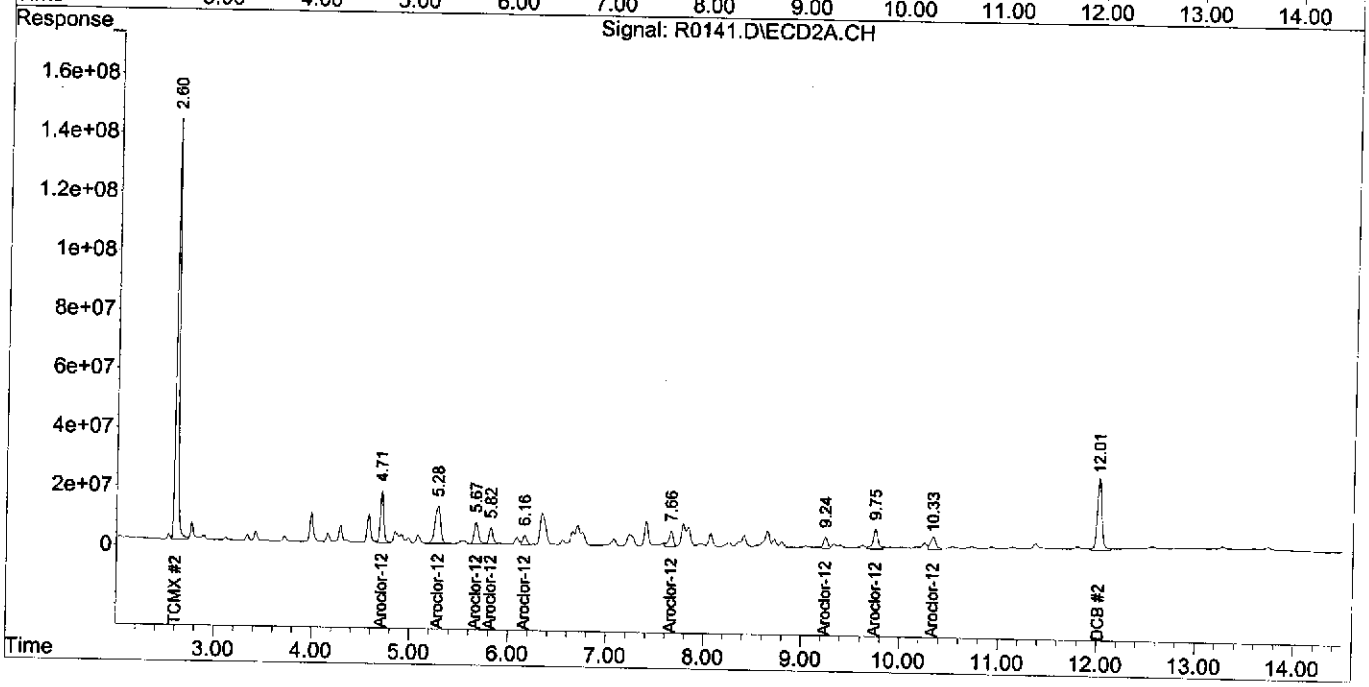
Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0141.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 1:37
Operator : JS
Sample : P-44E_(4.0,03992-021,S,5.68g,75.8,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:49:15 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 #1 Info :

Signal #2 Phase:
Signal #2 Info :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-15-13\
Data File : R0229.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 18:07
Operator : JS
Sample : Q-43S_(0-2,03992-022,S,5.81g,16.1,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:24:15 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	219.4E6	241.2E6	16.278	15.928
Spiked Amount 200.000			Recovery =		8.14%	7.96%
2) S DCB	12.10	12.02	63720608	76165901	20.935m	22.033m
Spiked Amount 200.000			Recovery =		10.47%	11.02%
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	242.7E6	281.7E6	523.102	520.657
24) L6 Aroclor-1248 {2}	4.99	5.28	215.2E6	667.6E6	821.827	843.136
25) L6 Aroclor-1248 {3}	5.31	5.67	266.1E6	436.5E6	787.735	765.519
26) L6 Aroclor-1248 {4}	6.01	5.82	745.5E6	302.7E6	1461.963	633.391 #
27) L6 Aroclor-1248 {5}	6.29	6.16	487.0E6	250.4E6	1186.503	884.452 #
Sum Aroclor-1248			1956.6E6	1938.8E6	4781.129	3647.154
Average Aroclor-1248					956.226	729.431
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	0.00	765.2E6	0	893.636	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.66	196.9E6	508.8E6	497.074	770.175 #
35) L8 Aroclor-1260 {3}	9.45	9.24	562.2E6	349.9E6	595.985	631.944
36) L8 Aroclor-1260 {4}	9.94	9.75	248.0E6	641.0E6	489.453	558.408
37) L8 Aroclor-1260 {5}	11.00	10.34	153.3E6	486.7E6	745.582	595.248
Sum Aroclor-1260			1925.5E6	1986.4E6	3221.730	2555.776
Average Aroclor-1260					644.346	638.944
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\05-15-13\
Data File : R0229.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 18:07
Operator : JS
Sample : Q-43S_(0-2,03992-022,S,5.81g,16.1,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:24:15 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

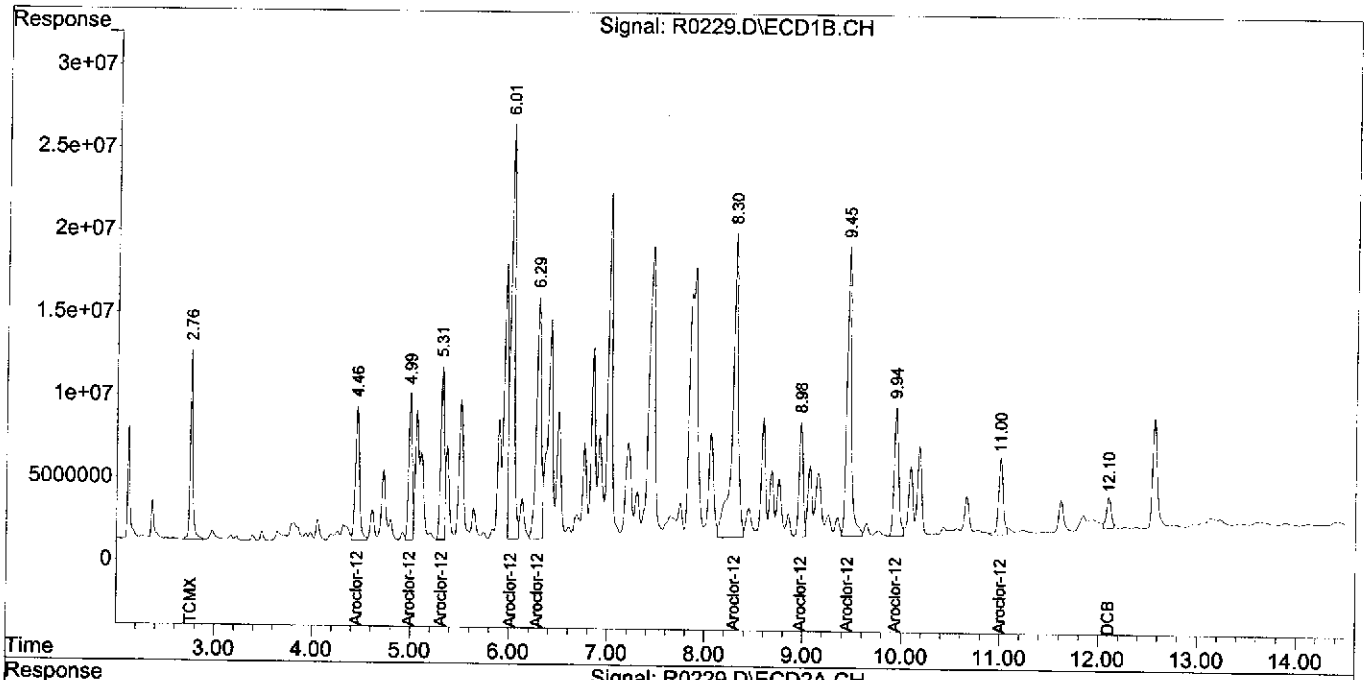
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

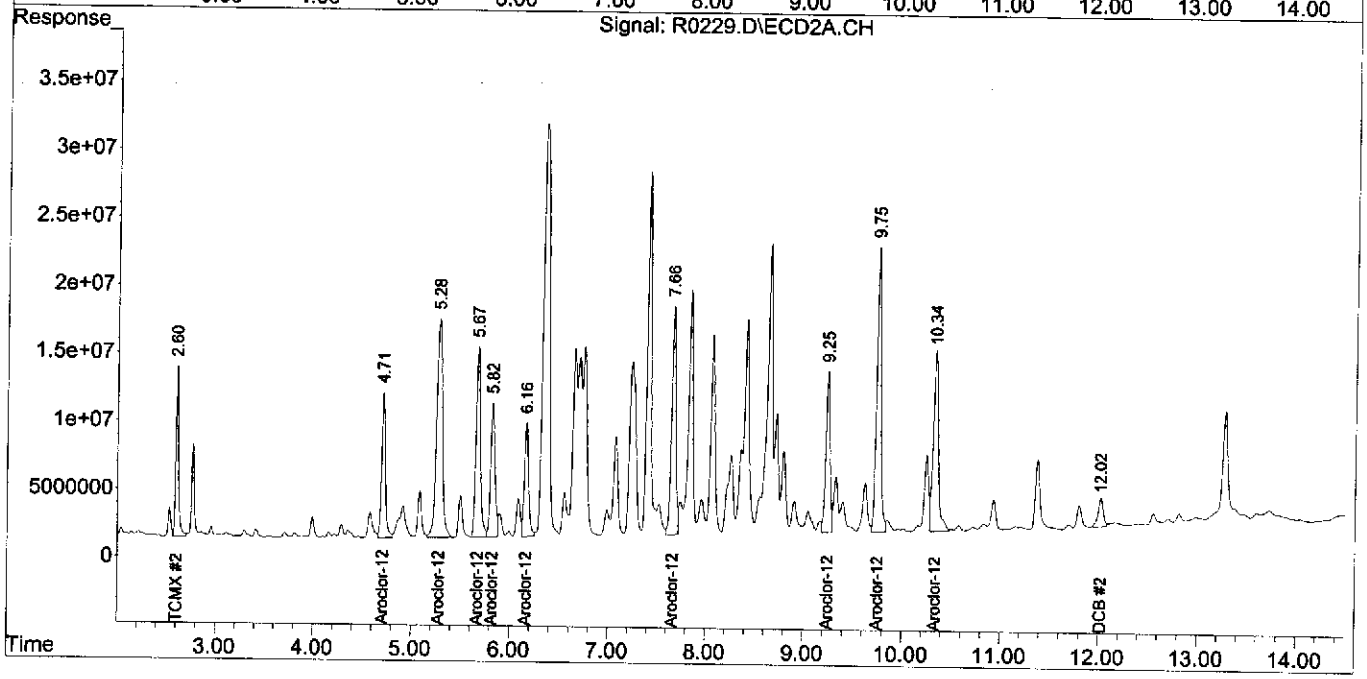
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-15-13\
Data File : R0229.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 18:07
Operator : JS
Sample : Q-43S_(0-2,03992-022,S,5.81g,16.1,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:24:15 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\05-15-13\
Data File : R0225.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 16:30
Operator : JS
Sample : Q-43S_(5.0,03992-024,S,5.17g,80.2,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:56:50 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	2.75	2.61	2254.9E6	2640.0E6	167.256	174.343
Spiked Amount 200.000			Recovery	=	83.63%	87.17%
2) S DCB	12.10	12.03	734.4E6	816.5E6	241.300	236.205
Spiked Amount 200.000			Recovery	=	120.65%	118.10%
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	4.73	44434645	35695440	95.761	65.975 #
24) L6 Aroclor-1248 {2}	4.99	5.30	25812705	130.6E6	98.582	164.972 #
25) L6 Aroclor-1248 {3}	5.31	5.69	22959163	46834323	67.957	82.145
26) L6 Aroclor-1248 {4}	6.02	5.83	31195507	28091704	61.173	58.774
27) L6 Aroclor-1248 {5}	0.00	6.16	0	17629740	N.D. d	62.282 #
Sum Aroclor-1248			124.4E6	258.9E6	323.473	434.148
Average Aroclor-1248					80.868	86.830
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

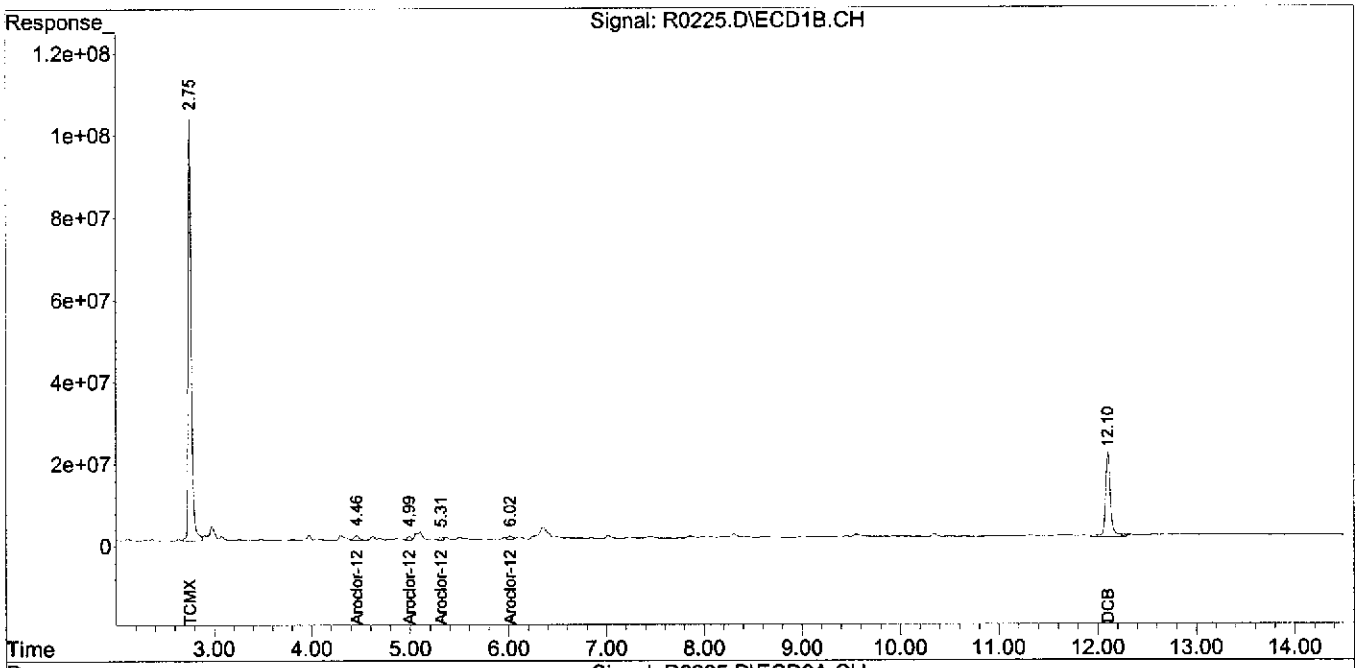
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

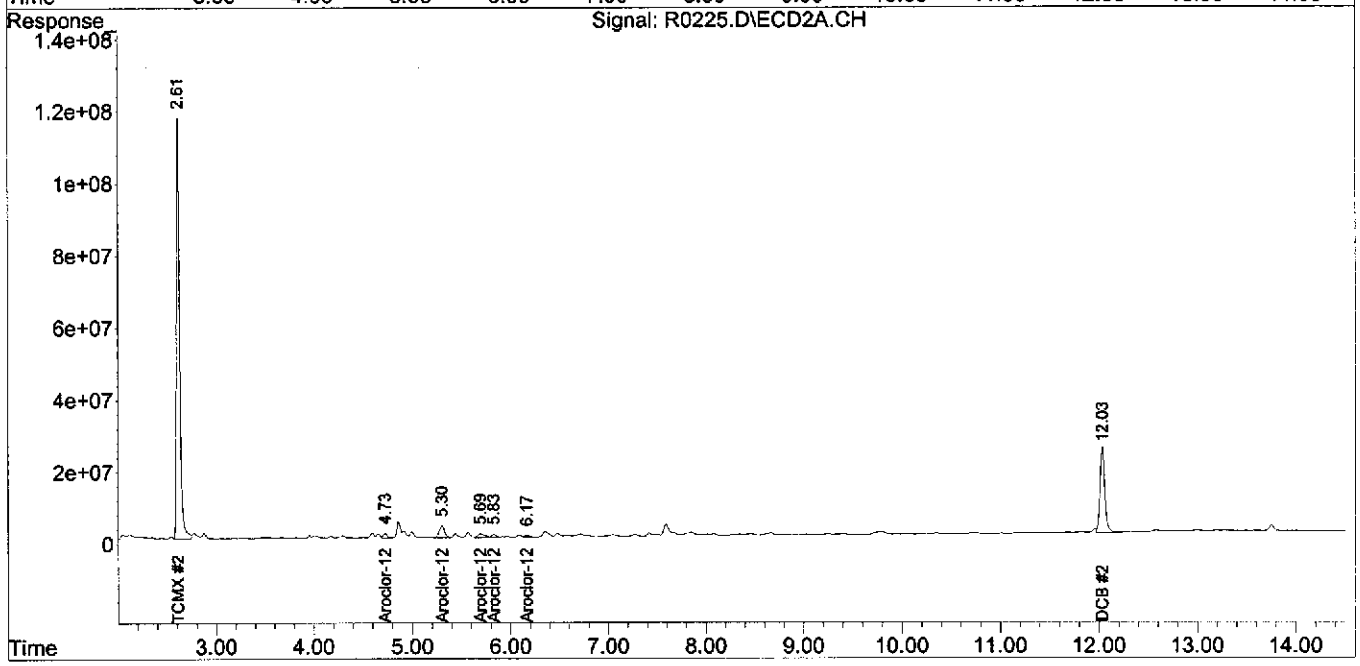
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-15-13\
Data File : R0225.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 16:30
Operator : JS
Sample : Q-43S_(5.0,03992-024,S,5.17g,80.2,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:56:50 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\05-15-13\
Data File : R0231.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 18:41
Operator : JS
Sample : Q-45N_(0-2,03992-025,S,5.01g,19.9,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:27:49 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	214.4E6	238.1E6	15.905	15.723
Spiked Amount 200.000			Recovery	=	7.95%	7.86%
2) S DCB	12.10	12.02	56161980	76187601	18.452m	22.039m
Spiked Amount 200.000			Recovery	=	9.23%	11.02%
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	176.1E6	208.7E6	379.537	385.753
24) L6 Aroclor-1248 {2}	4.99	5.28	103.3E6	407.8E6	394.508	515.079 #
25) L6 Aroclor-1248 {3}	5.32	5.67	161.8E6	313.1E6	478.956	549.104
26) L6 Aroclor-1248 {4}	6.02	5.82	472.3E6	301.1E6	926.101	629.900 #
27) L6 Aroclor-1248 {5}	6.29	6.16	376.8E6	205.3E6	918.080	725.222
Sum Aroclor-1248			1290.3E6	1435.9E6	3097.181	2805.057
Average Aroclor-1248					619.436	561.011
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	0.00	79764845	0	93.159	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.66	14748139	148.1E6	37.236	224.185 #
35) L8 Aroclor-1260 {3}	9.46	9.24	38866654	35751785	41.205	64.570 #
36) L8 Aroclor-1260 {4}	9.94	9.75	21996372	47450822	43.409	41.335
37) L8 Aroclor-1260 {5}	11.01	10.33	27459507	34184178	133.526	41.806 #
Sum Aroclor-1260			182.8E6	265.5E6	348.535	371.896
Average Aroclor-1260					69.707	92.974
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\05-15-13\
Data File : R0231.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 18:41
Operator : JS
Sample : Q-45N_(0-2,03992-025,S,5.01g,19.9,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:27:49 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

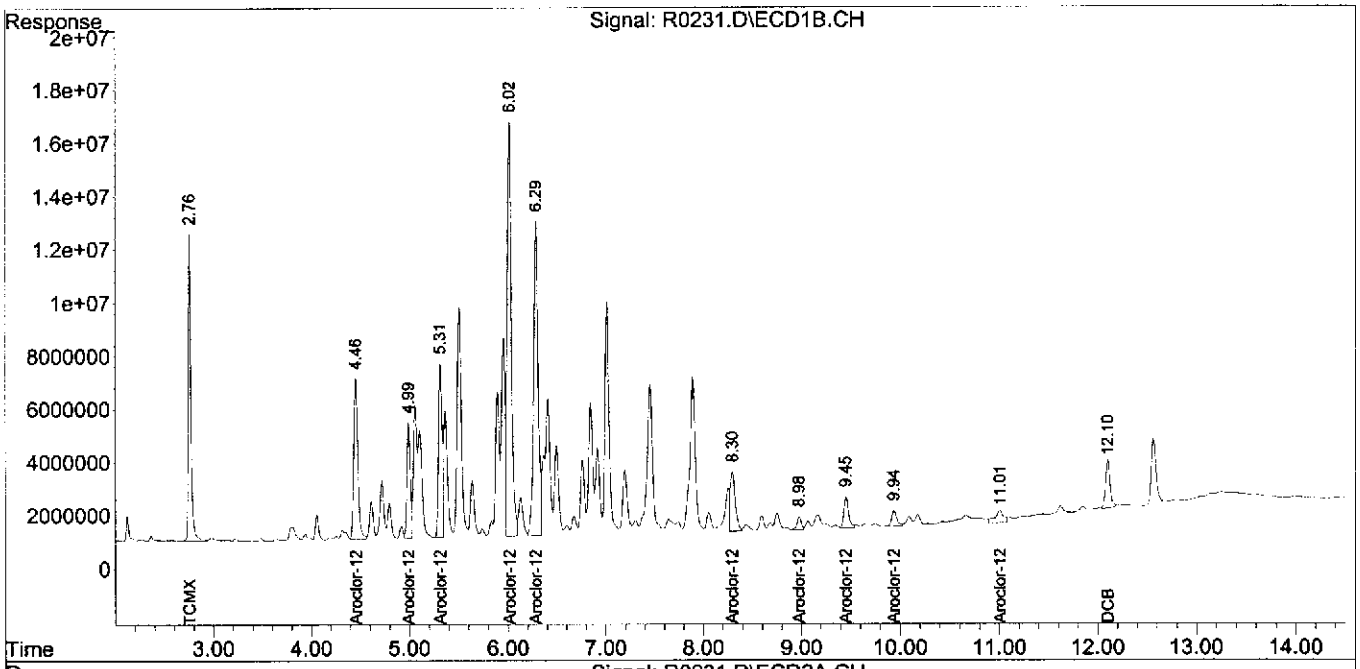
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

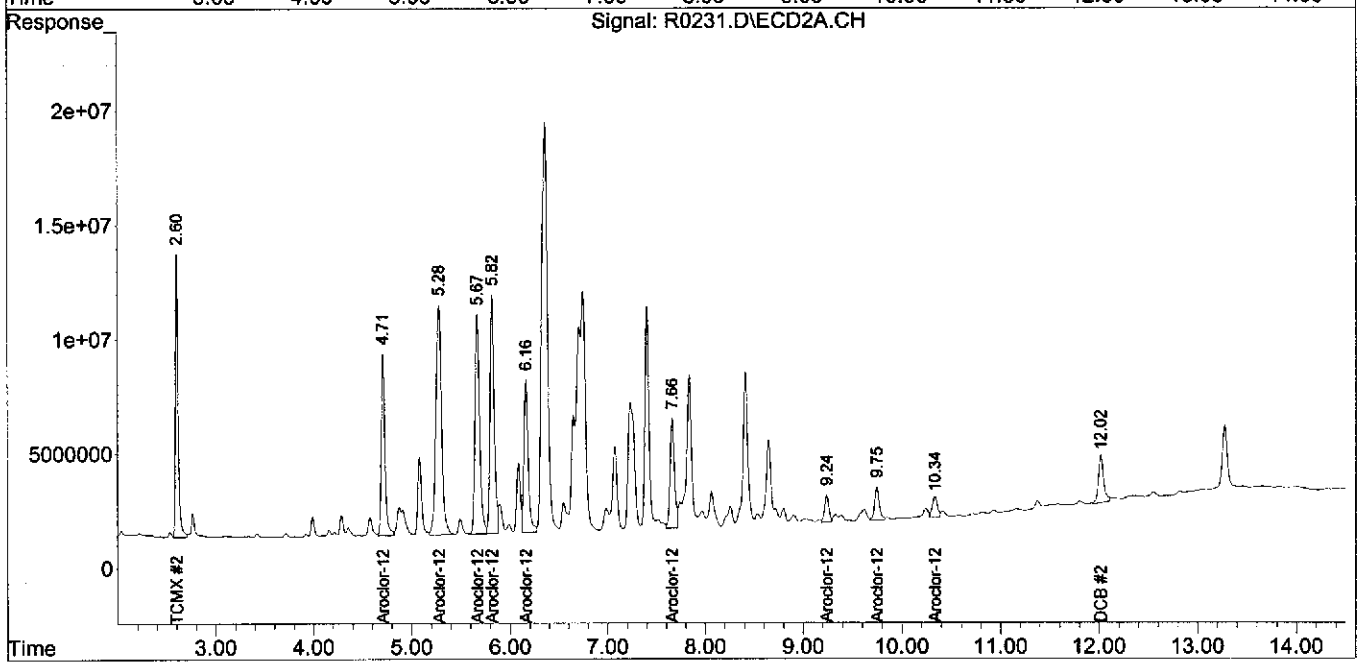
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-15-13\
Data File : R0231.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 18:41
Operator : JS
Sample : Q-45N_(0-2,03992-025,S,5.01g,19.9,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:27:49 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0146.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 3:04
Operator : JS
Sample : Q-45N (2.0,03992-026,S,5.37g,30.1,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:52:02 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	1719.1E6	2127.8E6	127.513	140.517	
Spiked Amount 200.000			Recovery =		63.76%	70.26%	
2) S DCB	12.10	12.02	662.7E6	744.7E6	217.724	215.418	
Spiked Amount 200.000			Recovery =		108.86%	107.71%	
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	4.45	4.71	173.6E6	293.3E6	374.107	542.092	#
24) L6 Aroclor-1248 {2}	4.99	5.27	153.5E6	504.9E6	586.224	637.727	
25) L6 Aroclor-1248 {3}	5.31	5.67	218.7E6	377.4E6	647.384	661.888	
26) L6 Aroclor-1248 {4}	6.01	5.82	426.4E6	457.1E6	836.235	956.372	
27) L6 Aroclor-1248 {5}	6.29	6.16	378.9E6	195.7E6	923.229	691.295	#
Sum Aroclor-1248			1351.2E6	1828.4E6	3367.178	3489.374	
Average Aroclor-1248					673.436	697.875	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
33) L8 Aroclor-1260	8.30	7.41	289.8E6	427.1E6	338.424	941.641	#
34) L8 Aroclor-1260 {2}	8.98	7.66	124.6E6	256.2E6	314.643	387.868	
35) L8 Aroclor-1260 {3}	9.45	9.24	406.9E6	240.3E6	431.414	434.011	
36) L8 Aroclor-1260 {4}	9.94	9.75	236.0E6	402.3E6	465.703	350.483	
37) L8 Aroclor-1260 {5}	11.00	10.33	303.9E6	348.5E6	1477.698	426.253	#
Sum Aroclor-1260			1361.2E6	1674.5E6	3027.882	2540.255	
Average Aroclor-1260					605.576	508.051	
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\05-13-13\
Data File : R0146.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 3:04
Operator : JS
Sample : Q-45N_(2.0,03992-026,S,5.37g,30.1,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:52:02 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

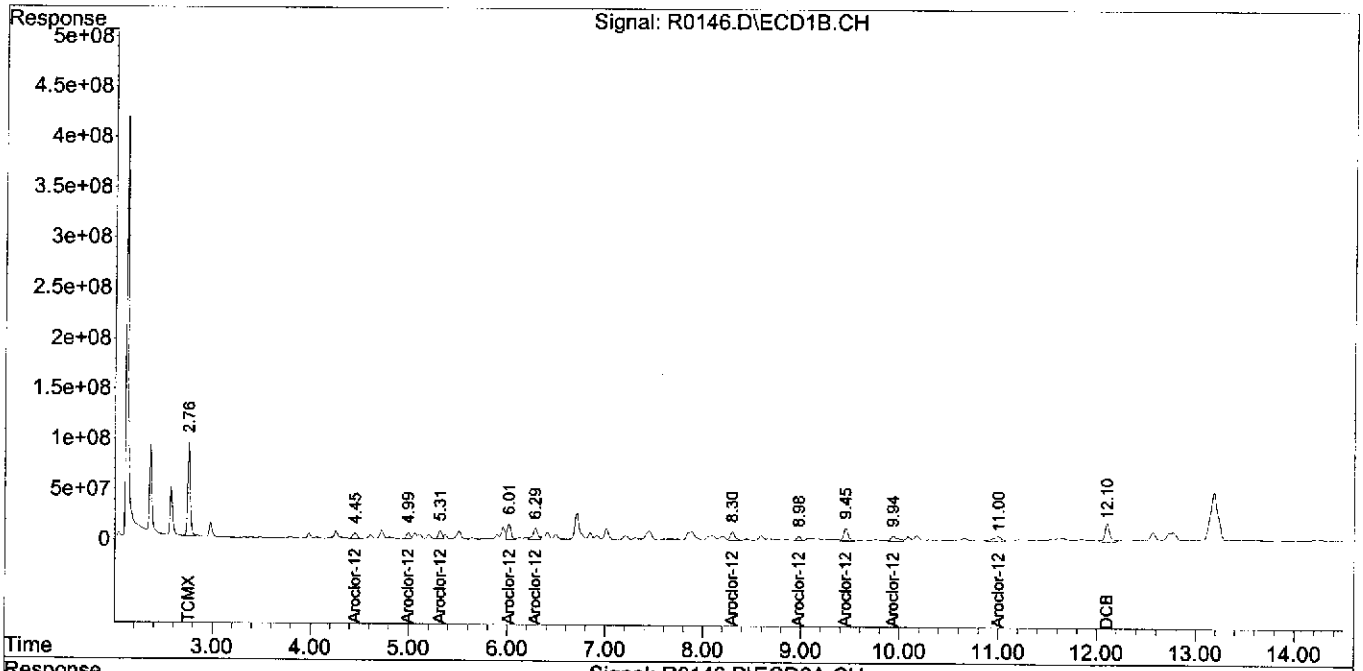
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

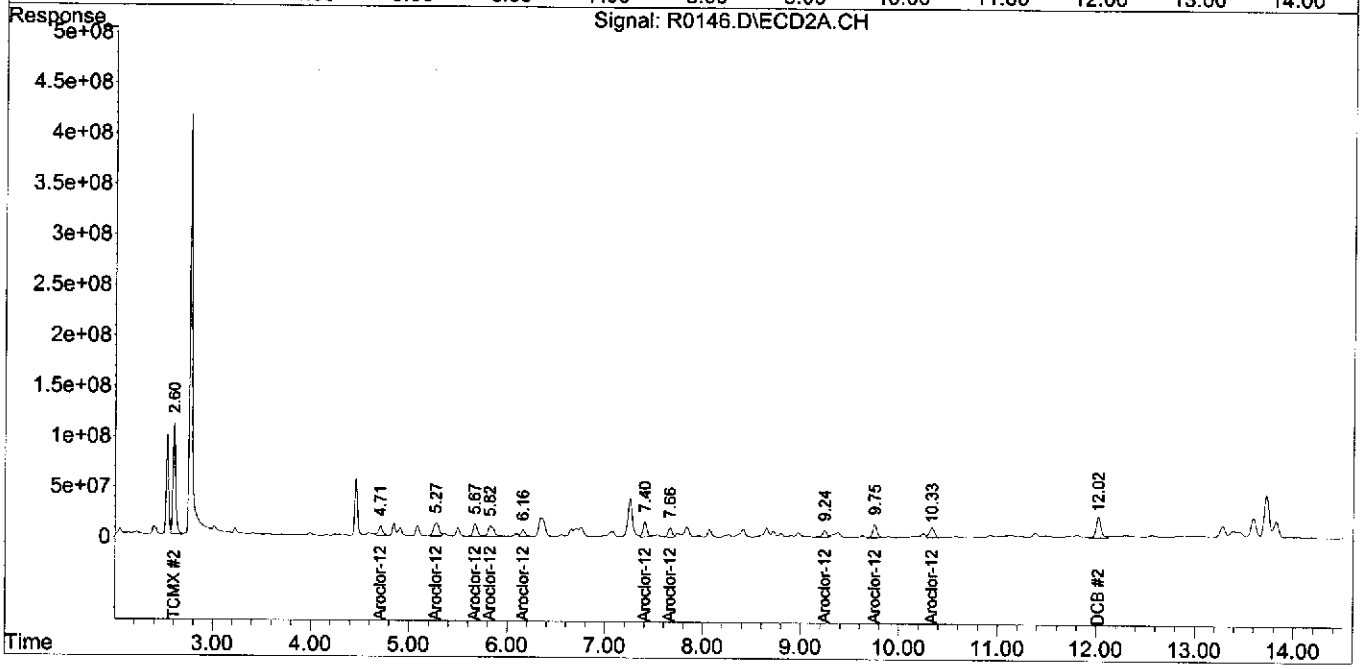
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0146.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 3:04
Operator : JS
Sample : Q-45N_(2.0,03992-026,S,5.37g,30.1,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:52:02 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\05-13-13\
Data File : R0147.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 3:21
Operator : JS
Sample : Q-46N_(0-2,03992-027,S,5.11g,8.80,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:54:26 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							
1) S TCMX		2.76	2.60	1740.9E6	2026.3E6	129.131	133.810
Spiked Amount 200.000				Recovery =		64.57%	66.91%
2) S DCB		12.10	12.02	587.6E6	659.3E6	193.070	190.709
Spiked Amount 200.000				Recovery =		96.53%	95.35%
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	309.8E6	380.5E6	667.751	703.324
24) L6 Aroclor-1248	{2}	4.99	5.27	310.3E6	943.9E6	1185.065m	1192.112
25) L6 Aroclor-1248	{3}	5.31	5.67	387.9E6	600.4E6	1148.252	1052.993
26) L6 Aroclor-1248	{4}	6.01	5.82	1096.7E6	506.7E6	2150.677	1060.206 #
27) L6 Aroclor-1248	{5}	6.28	6.16	715.2E6	406.3E6	1742.580	1435.310
Sum Aroclor-1248				2820.0E6	2837.8E6	6894.325	5443.944
Average Aroclor-1248						1378.865	1088.789
Sum Aroclor-1254				0	0	N.D.	N.D.
Average Aroclor-1254						0.000	0.000
33) L8 Aroclor-1260		8.30	0.00	926.7E6	0	1082.305	N.D. d#
34) L8 Aroclor-1260	{2}	8.98	7.66	348.5E6	781.3E6	879.952	1182.792 #
35) L8 Aroclor-1260	{3}	9.45	9.24	973.4E6	582.9E6	1031.960	1052.831
36) L8 Aroclor-1260	{4}	9.94	9.75	456.4E6	1216.6E6	900.591	1059.823
37) L8 Aroclor-1260	{5}	11.00	10.33	299.2E6	874.7E6	1454.676	1069.747 #
Sum Aroclor-1260				3004.1E6	3455.6E6	5349.484	4365.193
Average Aroclor-1260						1069.897	1091.298
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\05-13-13\
Data File : R0147.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 3:21
Operator : JS
Sample : Q-46N_(0-2,03992-027,S,5.11g,8.80,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:54:26 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

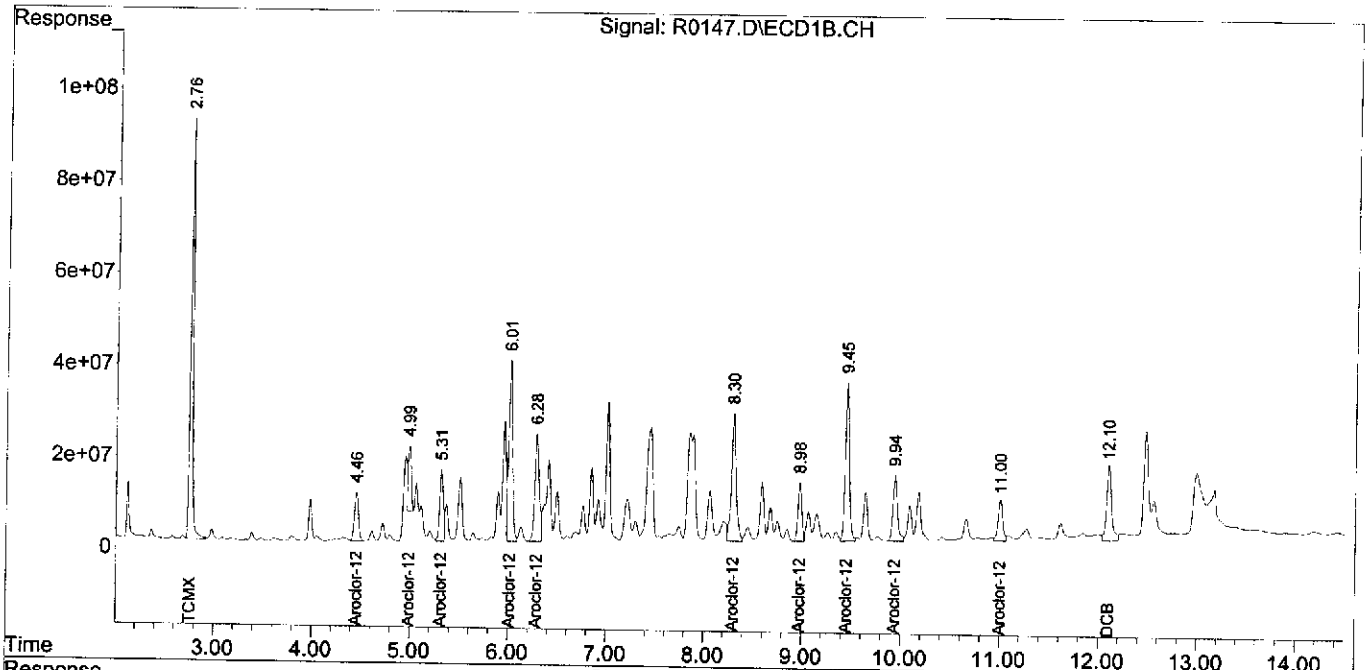
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

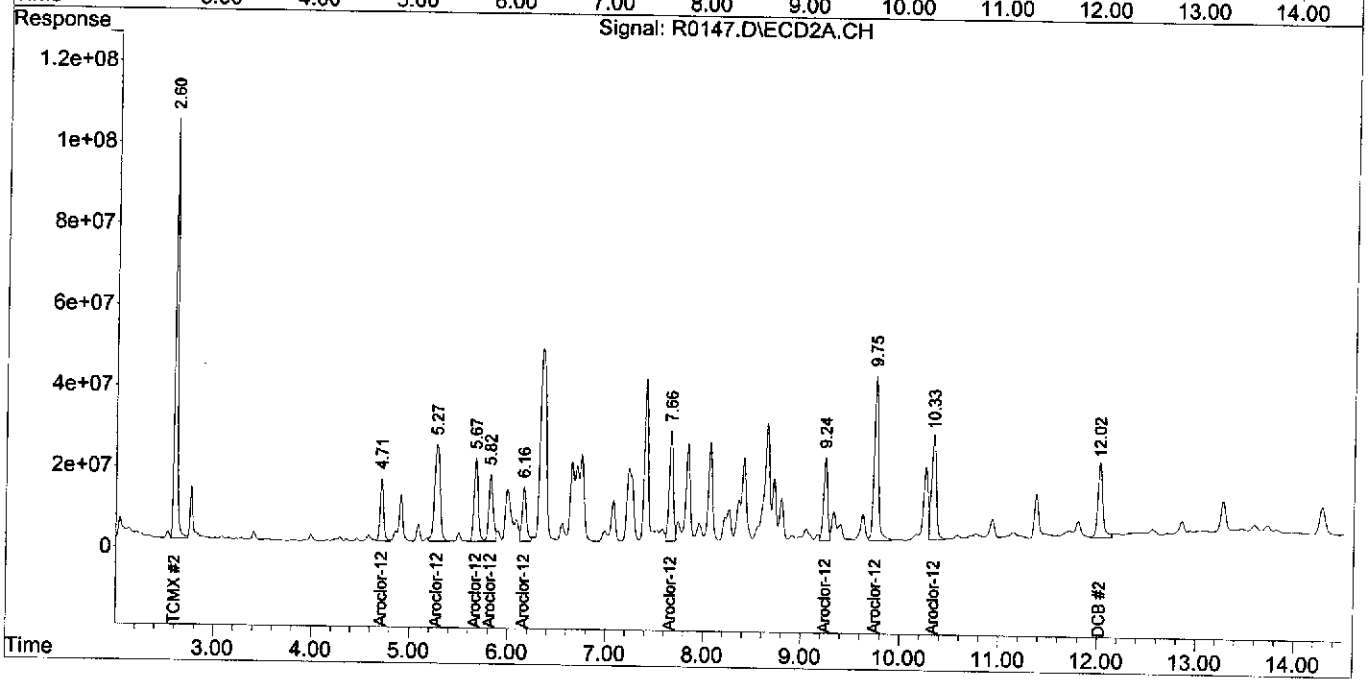
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0147.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 3:21
Operator : JS
Sample : Q-46N_(0-2,03992-027,S,5.11g,8.80,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:54:26 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\05-15-13\
Data File : R0232.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 18:59
Operator : JS
Sample : Q-46N_(2.0,03992-028,S,5.23g,16.1,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,50
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:29:55 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	
23) L6 Aroclor-1248	4.45	4.71	226.4E6	258.0E6	487.966	476.789	
24) L6 Aroclor-1248 {2}	4.99	5.28	134.2E6	440.0E6	512.487	555.668	
25) L6 Aroclor-1248 {3}	5.32	5.67	154.2E6	276.6E6	456.309	485.084	
26) L6 Aroclor-1248 {4}	6.02	5.82	100.7E6	188.3E6	197.471	394.026	#
27) L6 Aroclor-1248 {5}	6.29	6.17	86163854	54802442	209.933	193.604	
Sum Aroclor-1248			701.6E6	1217.6E6	1864.166	2105.171	
Average Aroclor-1248					372.833	421.034	
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	

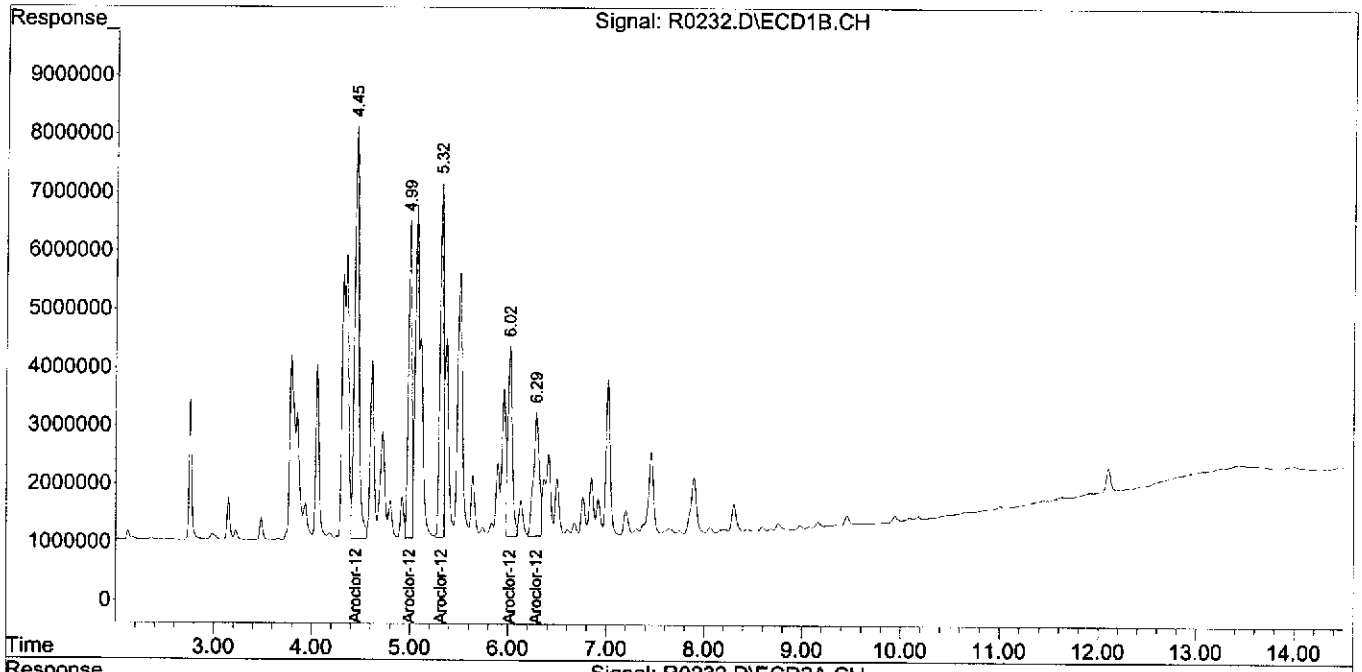
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

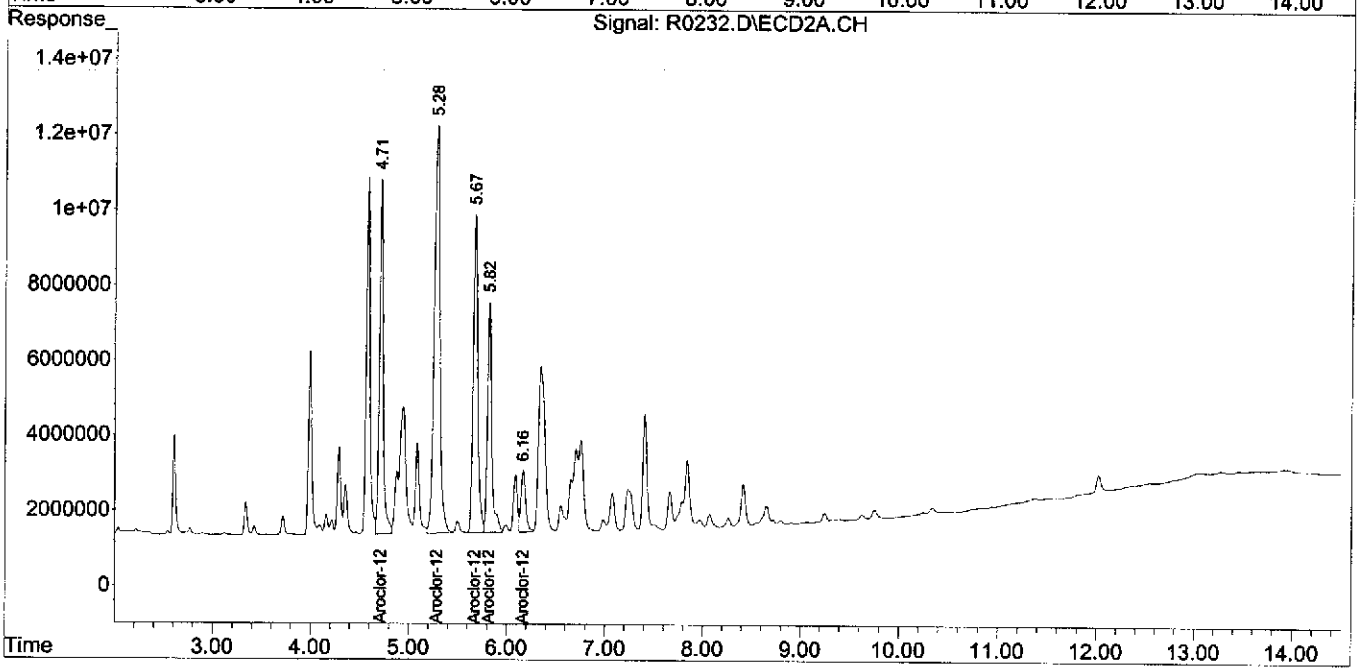
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-15-13\
Data File : R0232.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 18:59
Operator : JS
Sample : Q-46N_(2.0,03992-028,S,5.23g,16.1,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,50
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:29:55 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\05-13-13\
Data File : R0149.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 3:56
Operator : JS
Sample : P-45E_(0-2,03992-029,S,5.75g,11.0,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:56:22 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	1858.1E6	2109.8E6	137.825	139.328
Spiked Amount 200.000			Recovery	=	68.91%	69.66%
2) S DCB	12.10	12.02	549.2E6	764.1E6	180.437	221.024m
Spiked Amount 200.000			Recovery	=	90.22%	110.51%
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	492.0E6	567.6E6	1060.374	1049.107
24) L6 Aroclor-1248 {2}	4.99	5.28	385.8E6	1197.5E6	1473.406	1512.509
25) L6 Aroclor-1248 {3}	5.31	5.67	540.5E6	841.7E6	1599.905	1476.326
26) L6 Aroclor-1248 {4}	0.00	5.82	0	505.6E6	N.D. d	1057.817 #
27) L6 Aroclor-1248 {5}	6.28	6.16	738.3E6	361.2E6	1798.771m	1276.020 #
Sum Aroclor-1248			2156.6E6	3473.7E6	5932.456	6371.779
Average Aroclor-1248					1483.114	1274.356
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
34) L8 Aroclor-1260 {2}	8.98	7.66	190.9E6	619.5E6	481.880	937.794 #
35) L8 Aroclor-1260 {3}	9.45	9.24	619.9E6	340.7E6	657.168	615.402
36) L8 Aroclor-1260 {4}	9.94	9.75	246.1E6	657.8E6	485.743	573.032
37) L8 Aroclor-1260 {5}	11.00	10.33	238.1E6	500.6E6	1157.927	612.209 #
Sum Aroclor-1260			1295.0E6	2118.7E6	2782.717	2738.436
Average Aroclor-1260					695.679	684.609
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\05-13-13\
Data File : R0149.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 3:56
Operator : JS
Sample : P-45E_(0-2,03992-029,S,5.75g,11.0,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:56:22 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

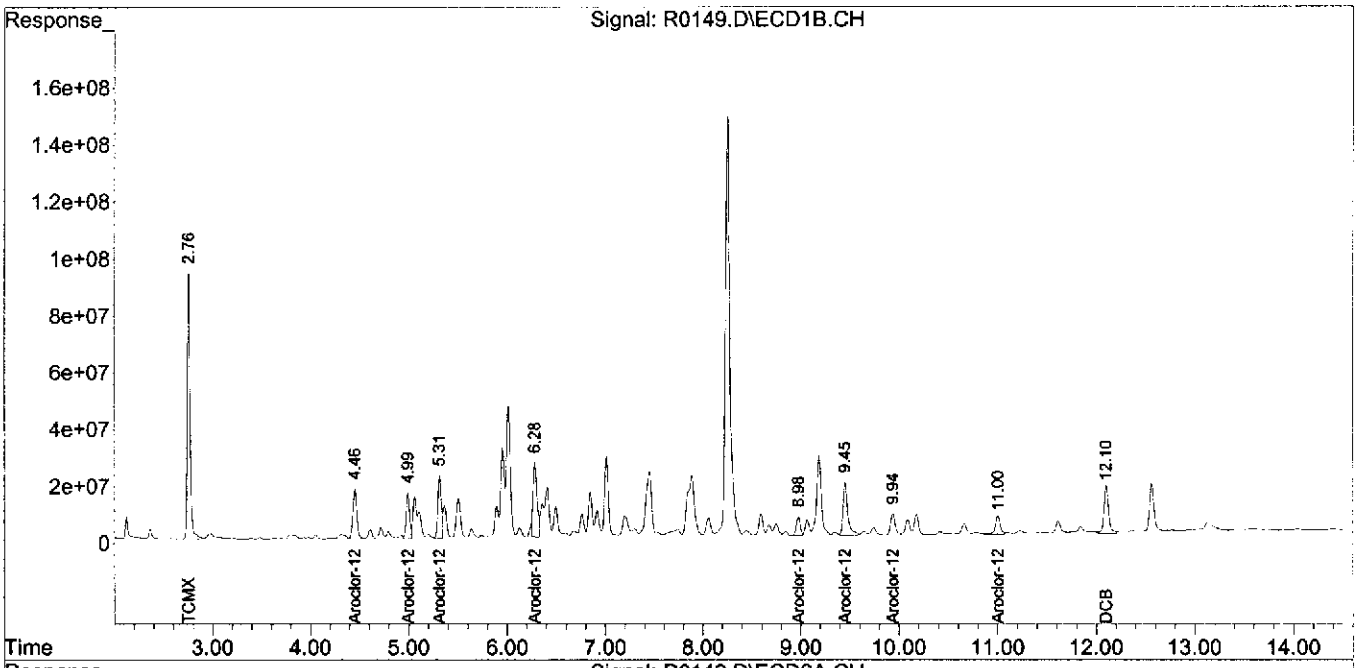
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

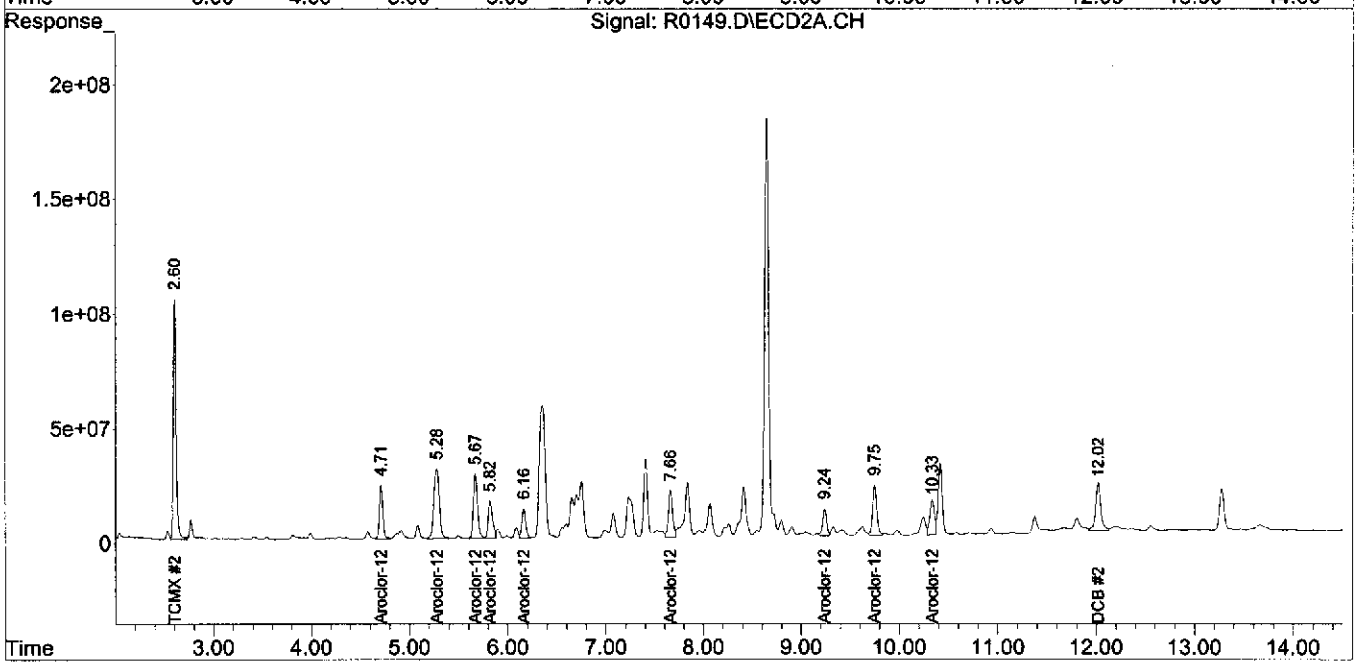
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0149.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 3:56
Operator : JS
Sample : P-45E_(0-2,03992-029,S,5.75g,11.0,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:56:22 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\05-15-13\
Data File : R0233.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 19:16
Operator : JS
Sample : P-45E_(2.0,03992-030,S,5.25g,27.4,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:32:01 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	220.6E6	244.7E6	16.361	16.156
Spiked Amount 200.000			Recovery =		8.18%	8.08%
2) S DCB	12.10	12.02	74477749	87636696	24.470	25.351
Spiked Amount 200.000			Recovery =		12.23%	12.68%
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	4.45	4.71	223.4E6	284.5E6	481.449	525.872
24) L6 Aroclor-1248 {2}	4.99	5.28	176.2E6	548.2E6	673.001	692.440
25) L6 Aroclor-1248 {3}	5.31	5.67	247.0E6	419.9E6	731.098	736.458
26) L6 Aroclor-1248 {4}	6.02	5.82	531.2E6	361.8E6	1041.601	756.923 #
27) L6 Aroclor-1248 {5}	6.29	6.16	356.5E6	230.4E6	868.584	813.824
Sum Aroclor-1248			1534.3E6	1844.8E6	3795.734	3525.518
Average Aroclor-1248					759.147	705.104
28) L7 Aroclor-1254	6.41	6.65	163.1E6	159.4E6	281.300	217.317
29) L7 Aroclor-1254 {2}	6.85	7.25	190.5E6	539.9E6	509.888	953.159 #
30) L7 Aroclor-1254 {3}	7.01	7.66	325.7E6	154.3E6	482.789	413.179
31) L7 Aroclor-1254 {4}	7.46	7.84	271.8E6	257.6E6	377.027	457.970
Sum Aroclor-1254			951.1E6	1111.3E6	1651.003	2041.624
Average Aroclor-1254					412.751	510.406
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\05-15-13\
Data File : R0233.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 19:16
Operator : JS
Sample : P-45E_(2.0,03992-030,S,5.25g,27.4,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:32:01 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.

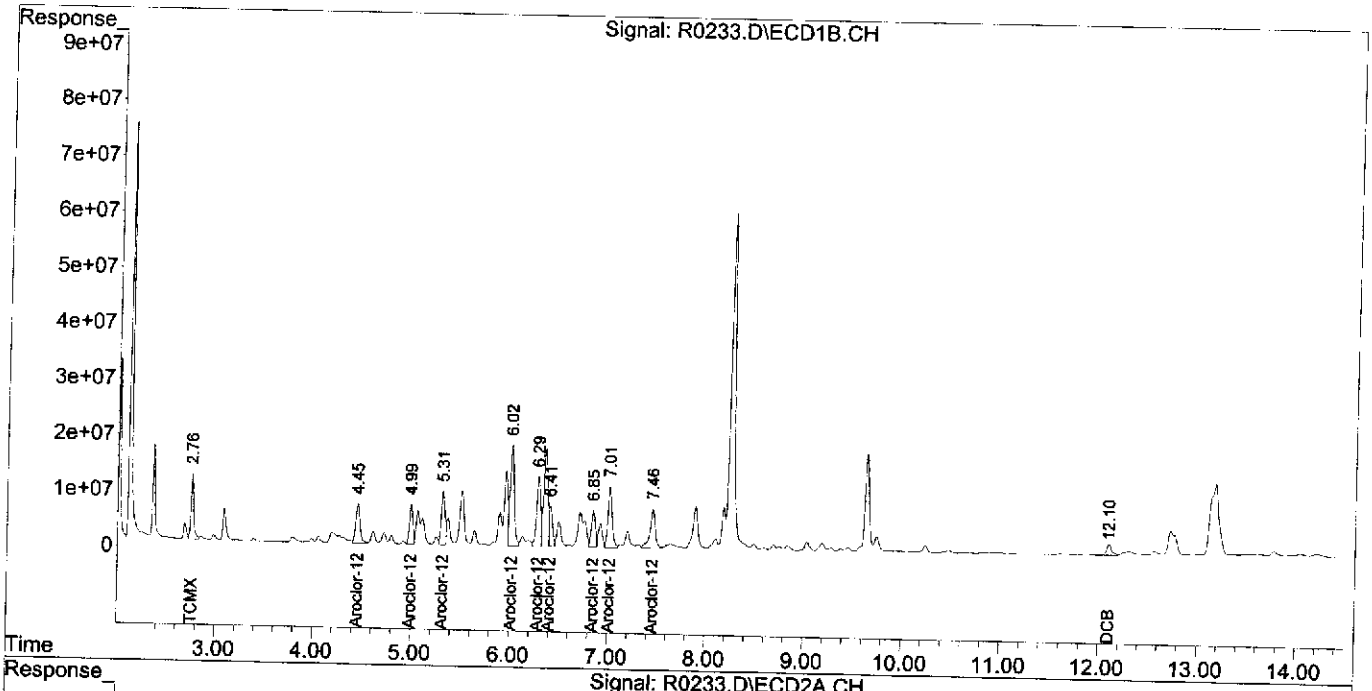
Quantitation Report (QT Reviewed)

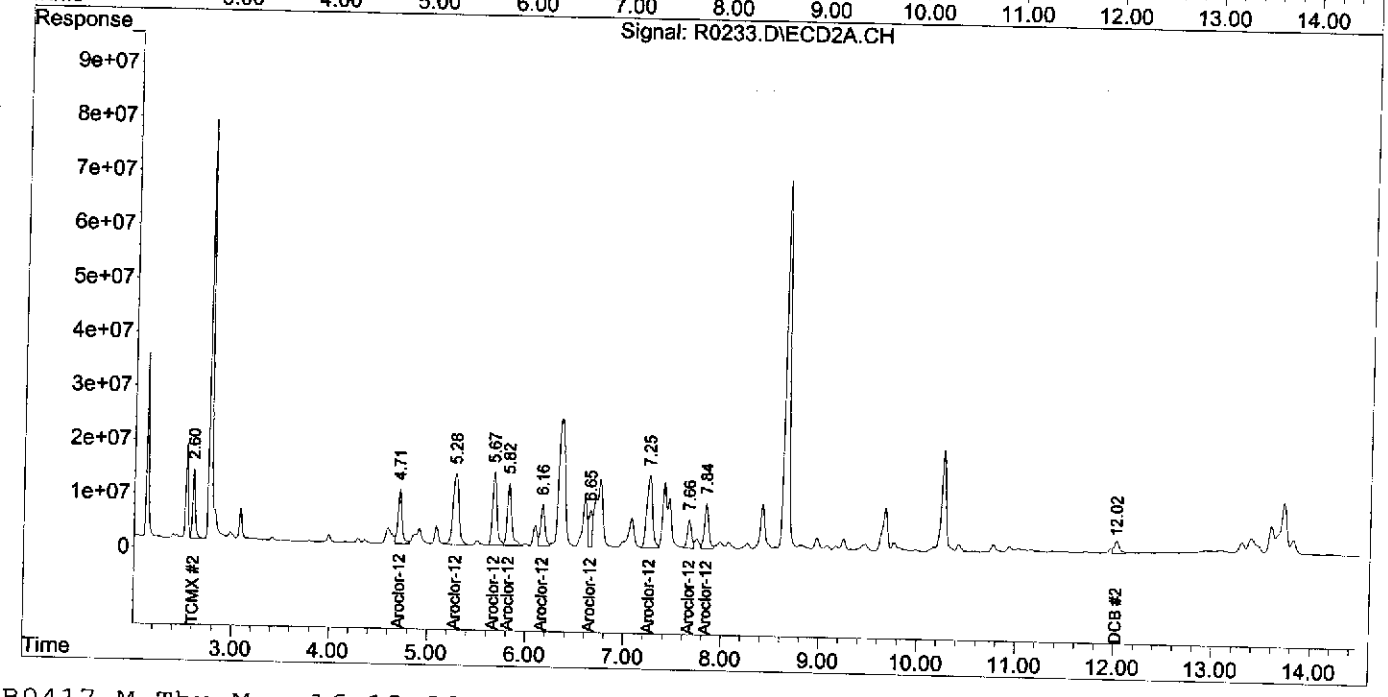
Data Path : C:\MSDCHEM\1\DATA\05-15-13\
Data File : R0233.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 May 2013 19:16
Operator : JS
Sample : P-45E_(2.0,03992-030,S,5.25g,27.4,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:32:01 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\05-16-13\
Data File : R0262.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 May 2013 10:01
Operator : JS
Sample : Q-46W_(0-2,03992-031,S,5.77g,20.6,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,100
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:41:50 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
23) L6 Aroclor-1248	4.46	4.71	95872489	118.8E6	206.615	219.531
24) L6 Aroclor-1248 {2}	4.99	5.29	64571818	295.8E6	246.607	373.597 #
25) L6 Aroclor-1248 {3}	5.32	5.67	89756458	236.3E6	265.673	414.535 #
26) L6 Aroclor-1248 {4}	6.01	5.82	397.6E6	272.7E6	779.650	570.542 #
27) L6 Aroclor-1248 {5}	6.29	6.16	340.2E6	199.1E6	828.772	703.506
Sum Aroclor-1248			987.9E6	1122.8E6	2327.316	2281.710
Average Aroclor-1248					465.463	456.342
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	0.00	86304329	0	100.796	N.D. d#
34) L8 Aroclor-1260 {2}	8.98	7.66	18022536	111.2E6	45.503	168.288 #
35) L8 Aroclor-1260 {3}	9.46	9.25	47961924	34359516	50.848	62.056
36) L8 Aroclor-1260 {4}	9.94	9.75	21711606	59775484	42.847	52.071
37) L8 Aroclor-1260 {5}	11.01	10.34	15408527	41813375	74.926	51.137 #
Sum Aroclor-1260			189.4E6	247.1E6	314.920	333.551
Average Aroclor-1260					62.984	83.388
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

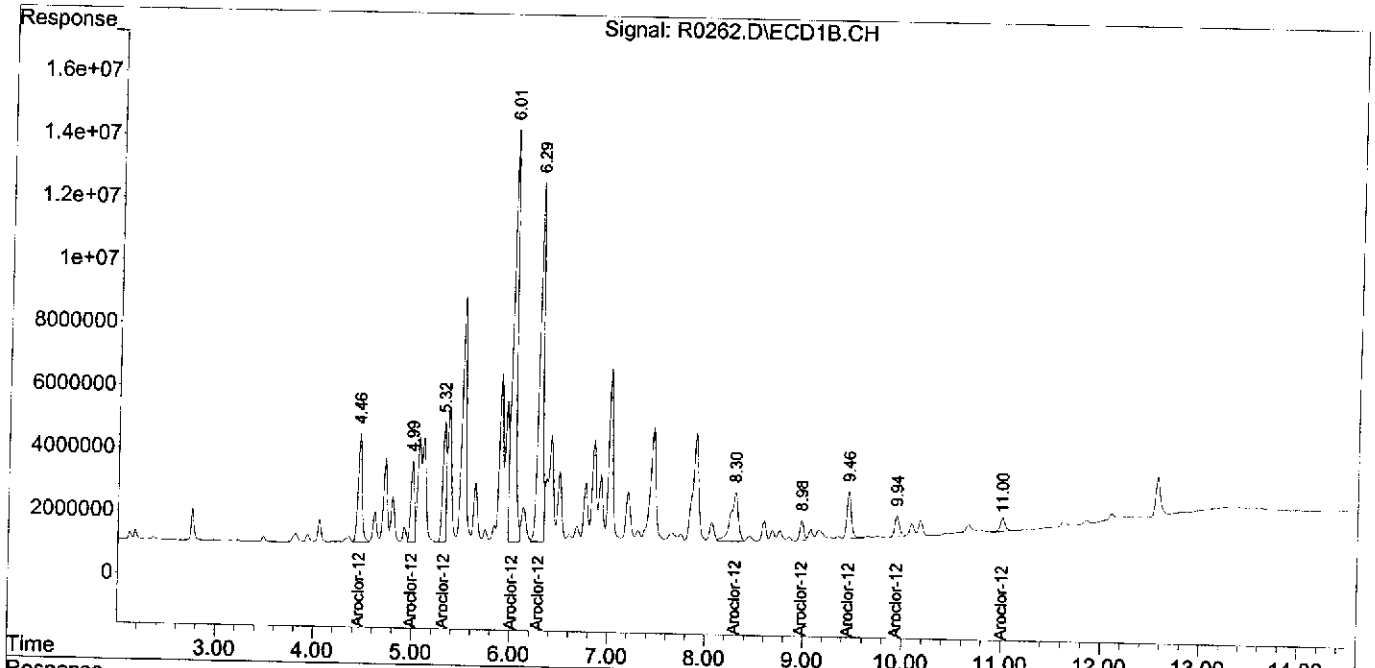
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

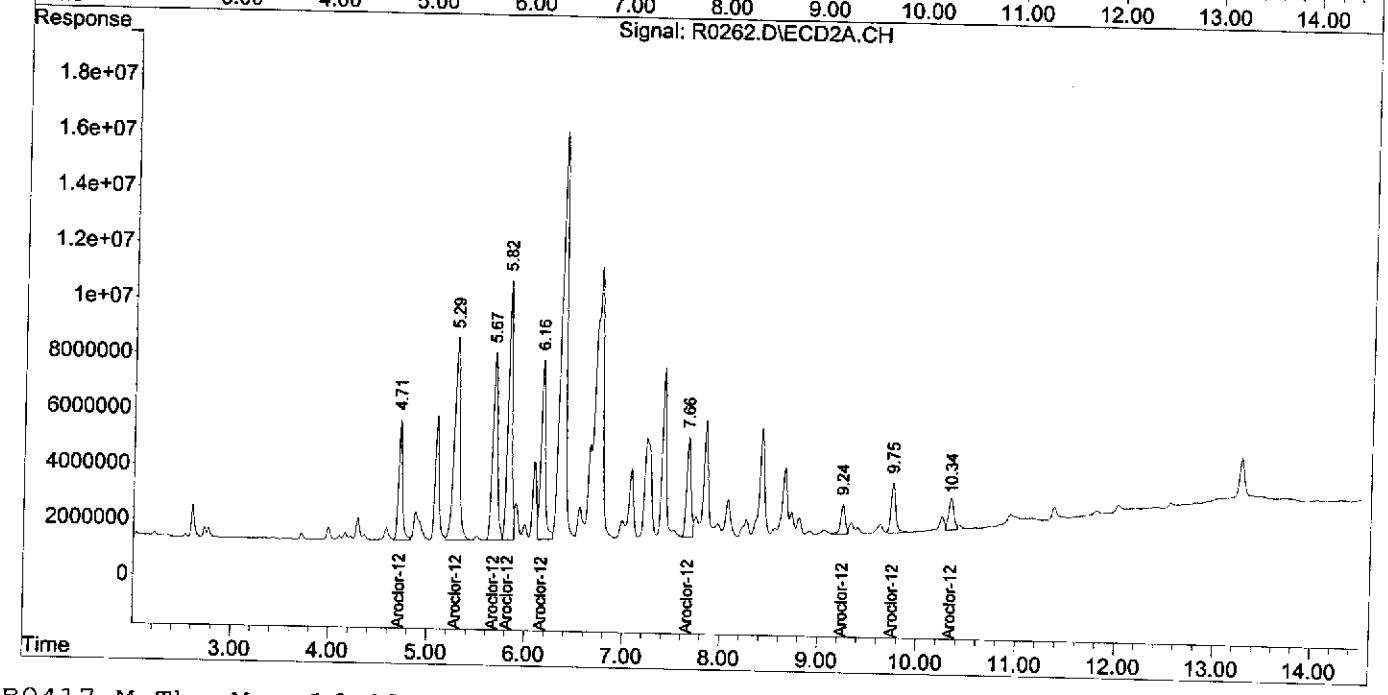
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-16-13\
Data File : R0262.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 May 2013 10:01
Operator : JS
Sample : Q-46W_(0-2,03992-031,S,5.77g,20.6,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,100
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 14:41:50 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\05-13-13\
Data File : R0152.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 4:49
Operator : JS
Sample : P-45S_(0-2,03992-032,S,5.29g,19.5,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:57:22 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	1877.2E6	2130.6E6	139.244	140.699
Spiked Amount 200.000			Recovery	=	69.62%	70.35%
2) S DCB	12.10	12.02	645.8E6	676.3E6	212.179	195.634m
Spiked Amount 200.000			Recovery	=	106.09%	97.82%
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	95922527	111.8E6	206.722	206.655
24) L6 Aroclor-1248 {2}	4.99	5.28	65954452	190.7E6	251.888	240.838
25) L6 Aroclor-1248 {3}	5.31	5.67	74886221	125.3E6	221.658	219.801
26) L6 Aroclor-1248 {4}	6.01	5.82	153.4E6	86958766	300.765	181.937 #
27) L6 Aroclor-1248 {5}	6.29	6.16	105.6E6	57538633	257.241m	203.271
Sum Aroclor-1248			495.7E6	572.3E6	1238.274	1052.502
Average Aroclor-1248					247.655	210.500
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

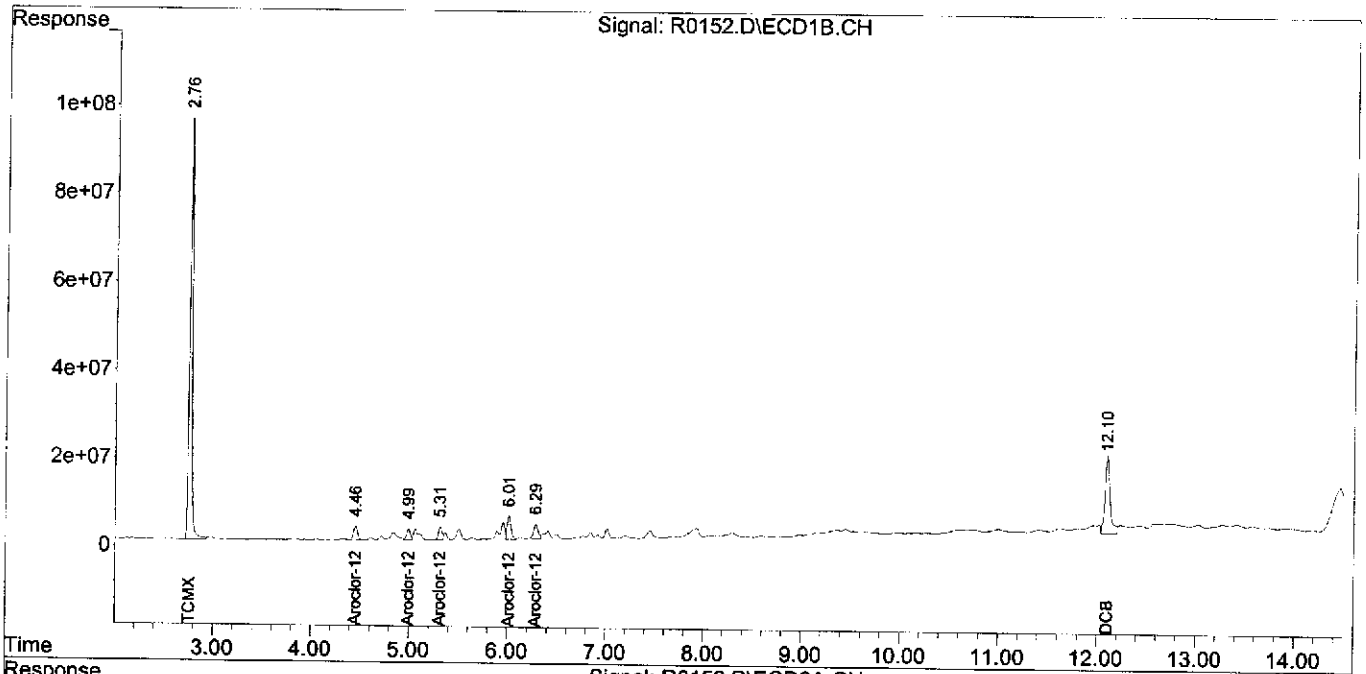
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

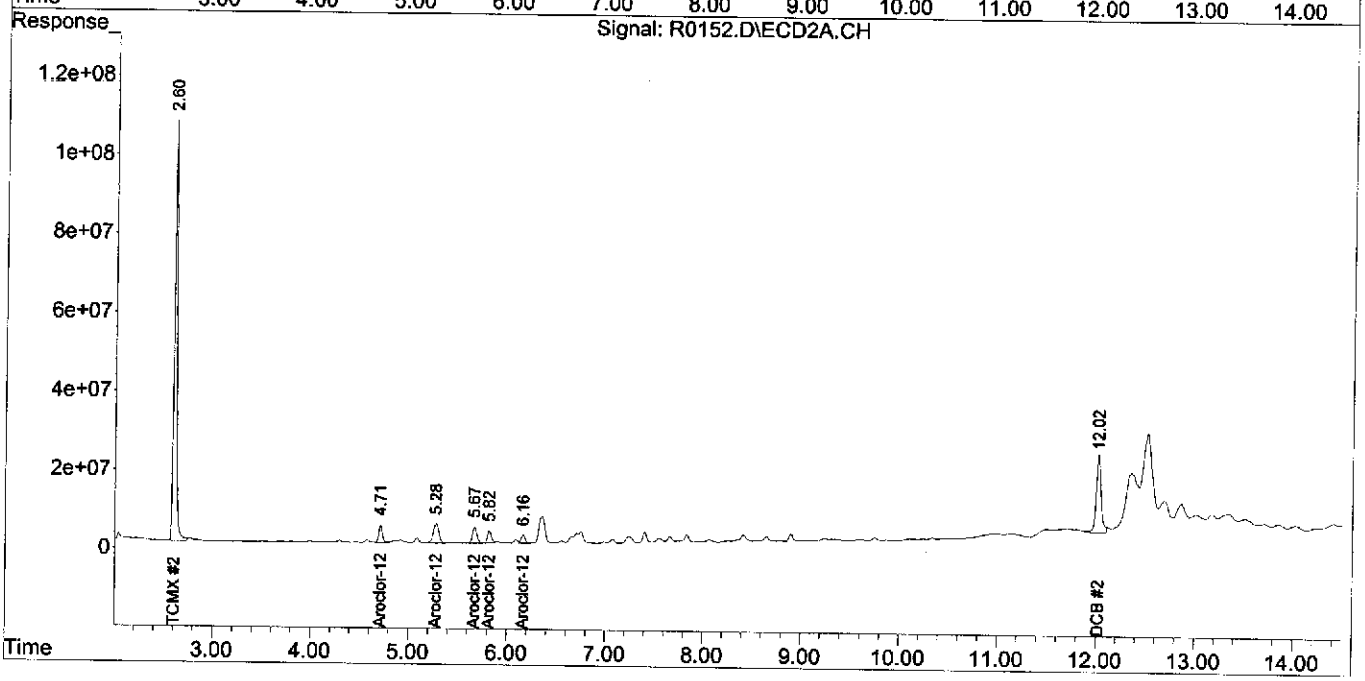
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-13-13\
Data File : R0152.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 14 May 2013 4:49
Operator : JS
Sample : P-45S_(0-2,03992-032,S,5.29g,19.5,05/03/13,4
Misc : 130503-03,05/01/13,05/01/13,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:57:22 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 : R9910.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 12:58
Operator : JS
Sample : P-44S_(4.0,03992-033,S,5.30g,77.4,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,500
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:30:44 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
23) L6 Aroclor-1248	4.45	4.71	925.5E6	1035.5E6	1994.560	1913.940
24) L6 Aroclor-1248 {2}	4.99	5.28	289.2E6	988.3E6	1104.560	1248.258
25) L6 Aroclor-1248 {3}	5.31	5.67	305.5E6	536.4E6	904.339	940.793
26) L6 Aroclor-1248 {4}	6.01	5.82	551.0E6	465.0E6	1080.545	972.943
27) L6 Aroclor-1248 {5}	6.28	6.16	371.9E6	266.7E6	905.997	942.281
Sum Aroclor-1248			2443.1E6	3292.0E6	5990.000	6018.217
Average Aroclor-1248					1198.000	1203.643
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

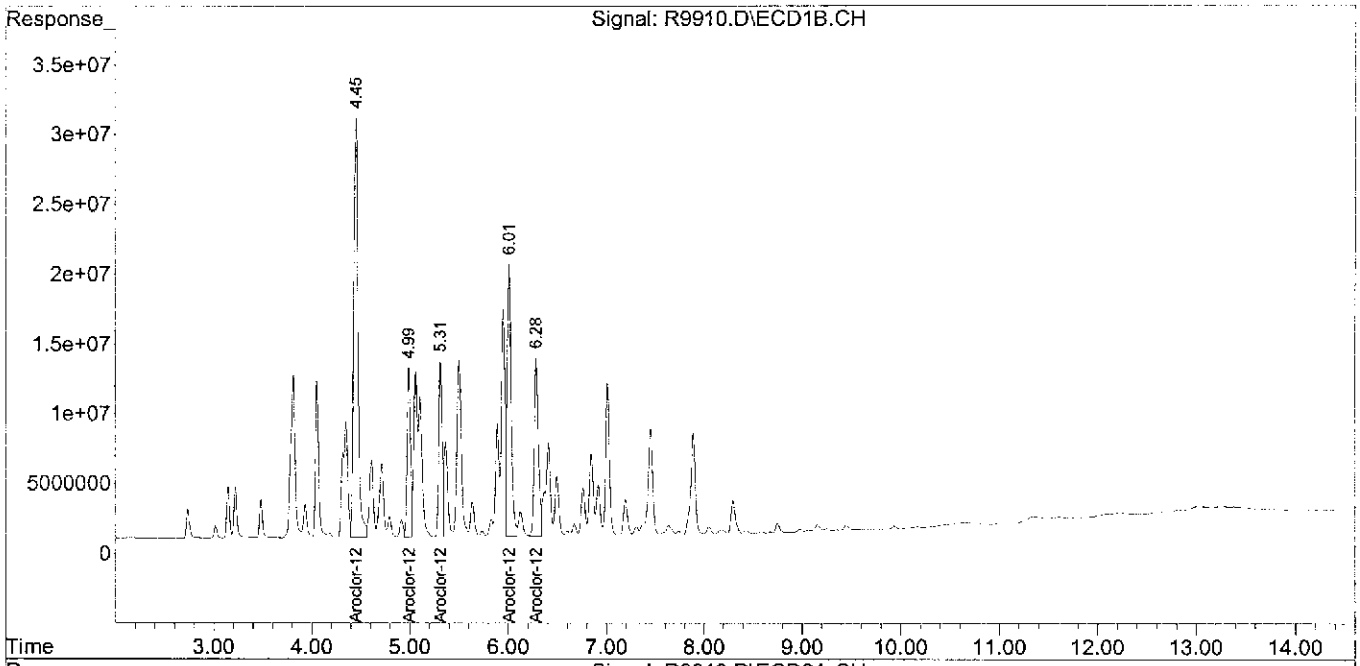
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

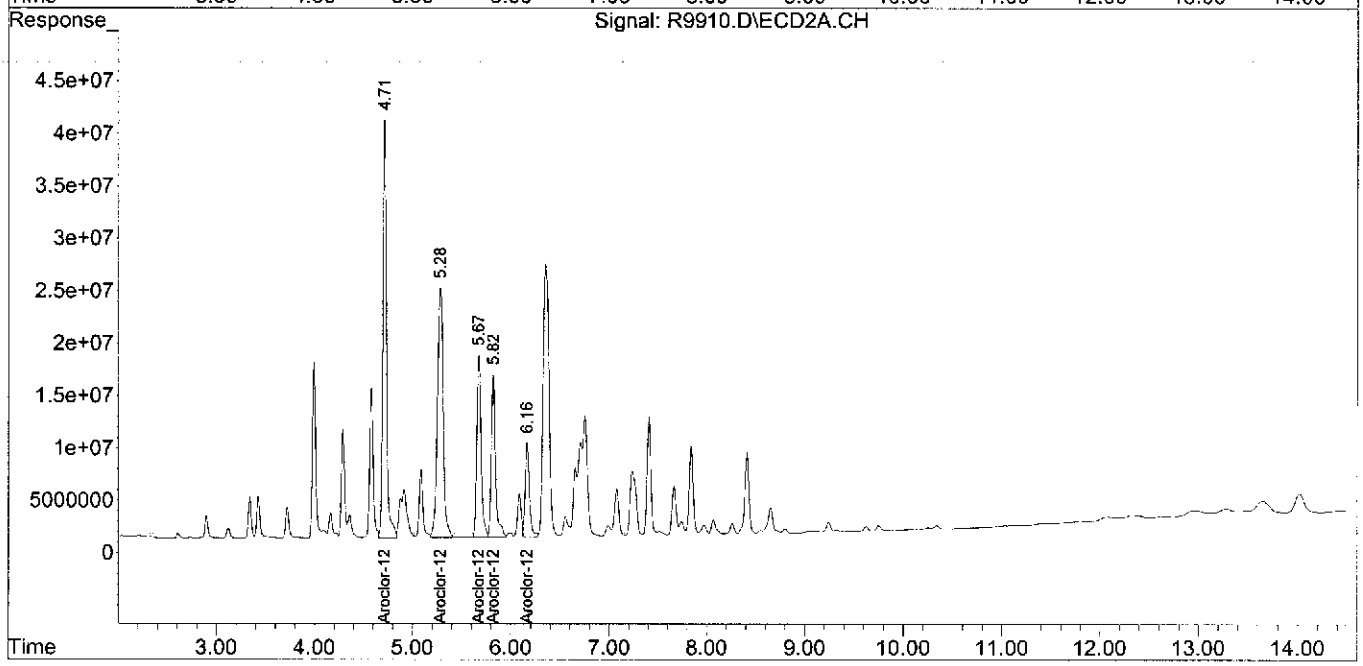
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9910.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 12:58
Operator : JS
Sample : P-44S (4.0,03992-033,S,5.30g,77.4,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,500
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:30:44 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 : R9892.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 6:28
Operator : JS
Sample : O-46E_(2.0,03992-034,S,5.20g,8.30,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:07:07 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	2194.2E6	2477.8E6	162.756	163.631
Spiked Amount 200.000			Recovery	=	81.38%	81.82%
2) S DCB	12.10	12.02	602.2E6	689.0E6	197.848	199.305
Spiked Amount 200.000			Recovery	=	98.92%	99.65%
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	4.45	4.71	28586099	38225438	61.606	70.652
24) L6 Aroclor-1248 {2}	4.99	5.29	6045284	27110764	23.088	34.241 #
25) L6 Aroclor-1248 {3}	5.32	5.67	18667813	13185757	55.255	23.127 #
26) L6 Aroclor-1248 {4}	6.01	5.82	11136966	8729575	21.839	18.264
27) L6 Aroclor-1248 {5}	6.35	6.17	4646667	4545933	11.321	16.060m#
Sum Aroclor-1248			69082829	91797468	173.109	162.344
Average Aroclor-1248					34.622	32.469
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

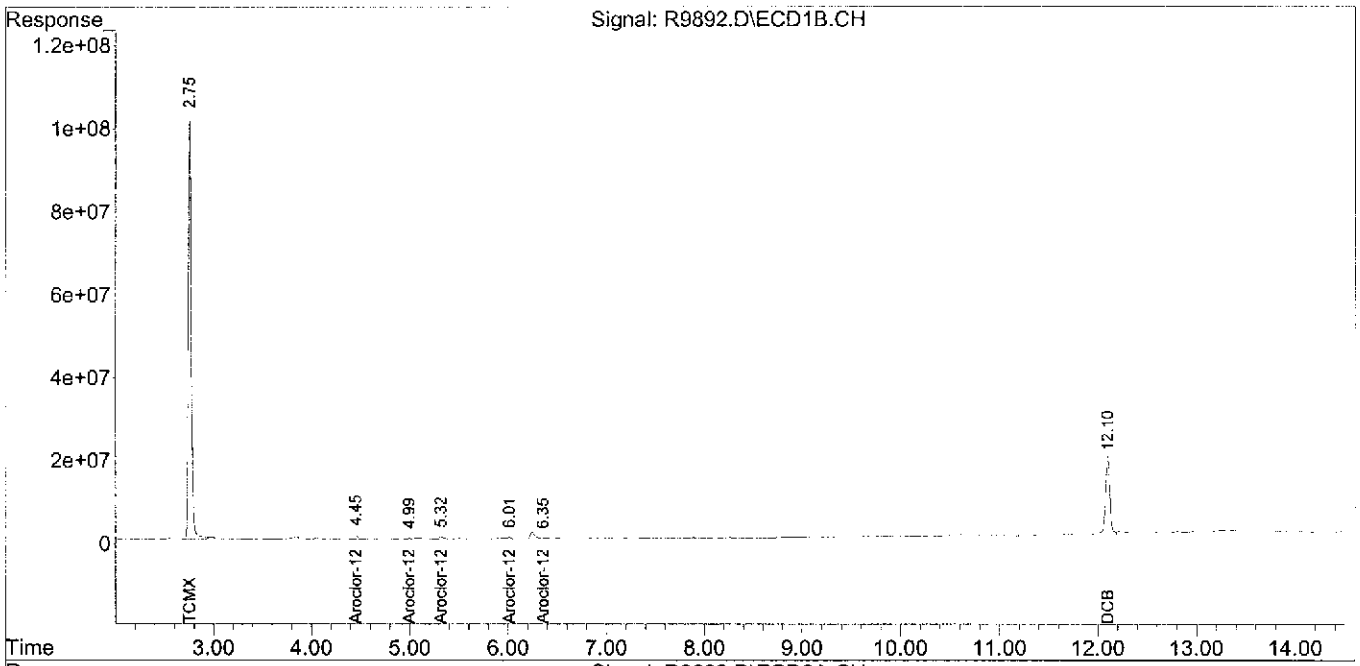
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

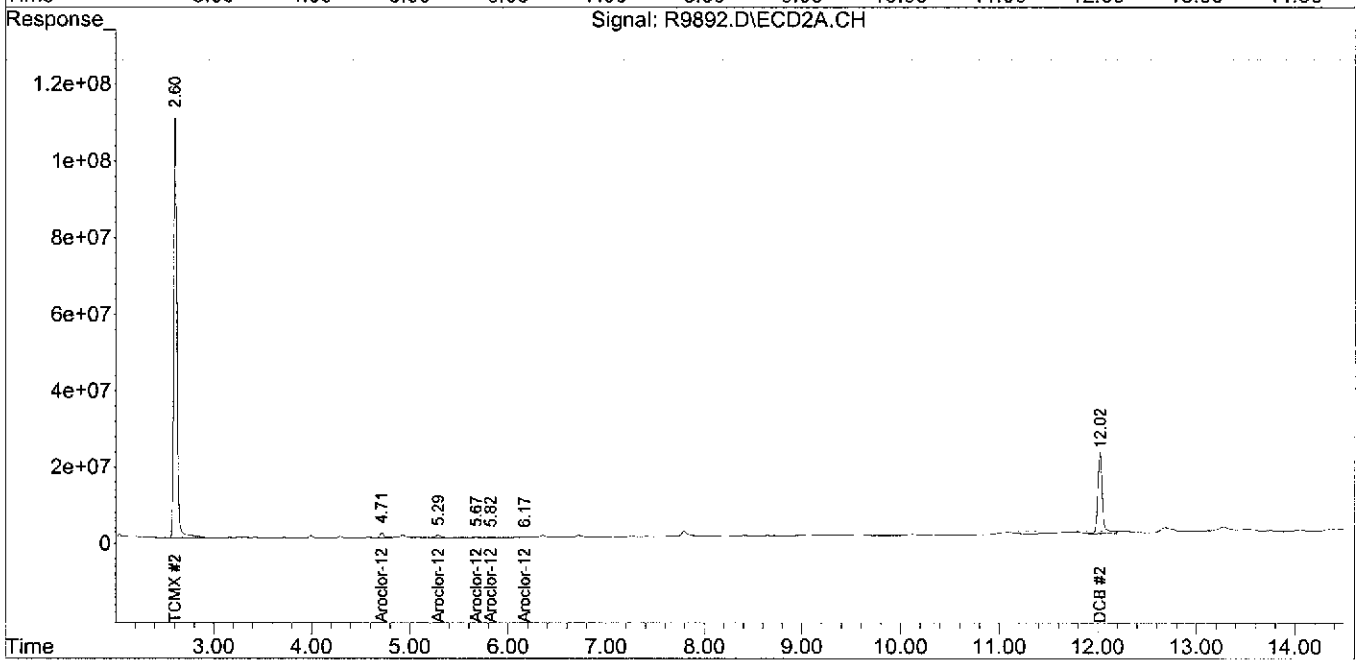
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-08-13\
Data File : R9892.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 6:28
Operator : JS
Sample : O-46E_(2.0,03992-034,S,5.20g,8.30,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:07:07 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 : R9911.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 13:15
Operator : JS
Sample : O-46S_(2.0,03992-035,S,5.40g,38.4,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,50
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:35:13 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							
2) S DCB	12.10	0.00	15734290	0	5.169m	N.D.	d#
Spiked Amount 200.000			Recovery	=	2.58%	0.00%	
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	4.45	4.71	149.2E6	187.8E6	321.453	347.118	
24) L6 Aroclor-1248 {2}	4.99	5.28	98594200	291.8E6	376.543	368.499	
25) L6 Aroclor-1248 {3}	5.31	5.67	294.8E6	733.0E6	872.581	1285.641	#
26) L6 Aroclor-1248 {4}	6.01	5.82	258.8E6	198.3E6	507.517	414.808	
27) L6 Aroclor-1248 {5}	6.35	6.17	579.6E6	118.8E6	1412.219	419.666	#
Sum Aroclor-1248			1381.0E6	1529.6E6	3490.313	2835.731	
Average Aroclor-1248					698.063	567.146	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
34) L8 Aroclor-1260 {2}	8.97	7.66	34635905	101.1E6	87.449	152.978	#
35) L8 Aroclor-1260 {3}	9.45	9.25	98803328	52939587	104.748	95.613	
36) L8 Aroclor-1260 {4}	9.94	9.75	48277313	214.0E6	95.273	186.454	#
37) L8 Aroclor-1260 {5}	11.00	10.34	28900603	81080823	140.534m	99.160	#
Sum Aroclor-1260			210.6E6	449.1E6	428.003	534.205	
Average Aroclor-1260					107.001	133.551	
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	

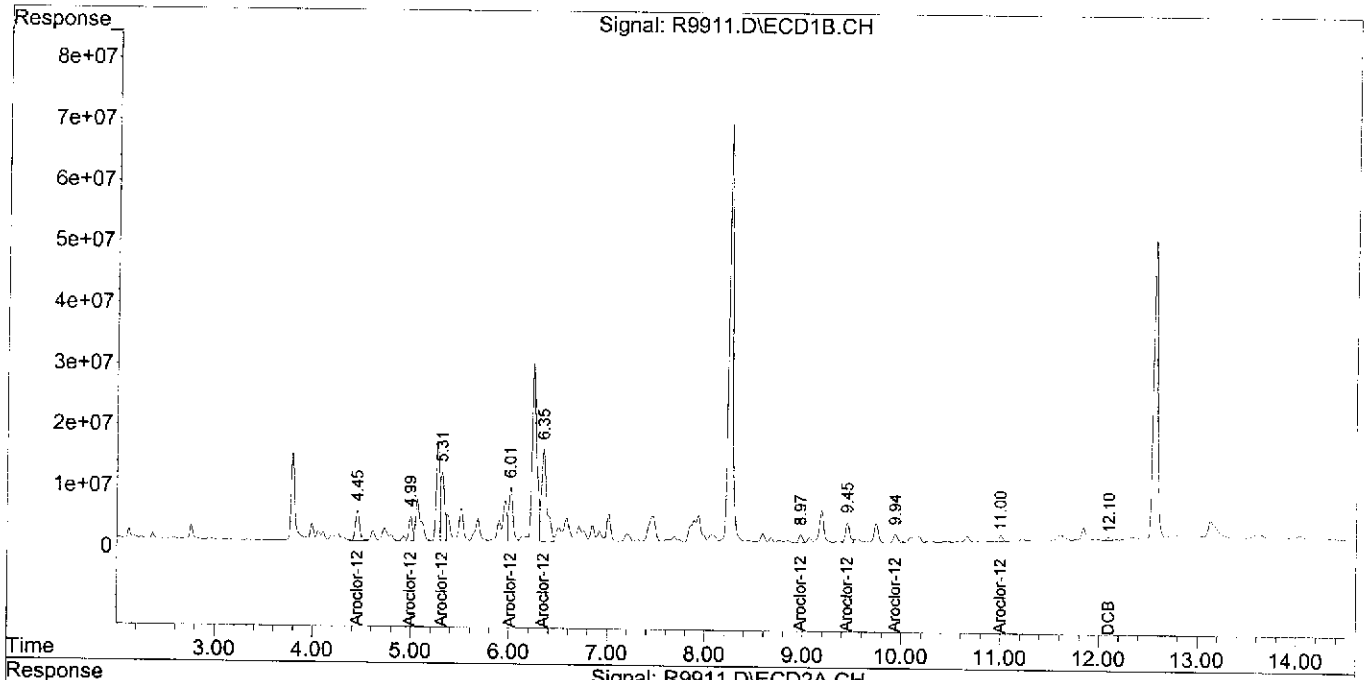
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

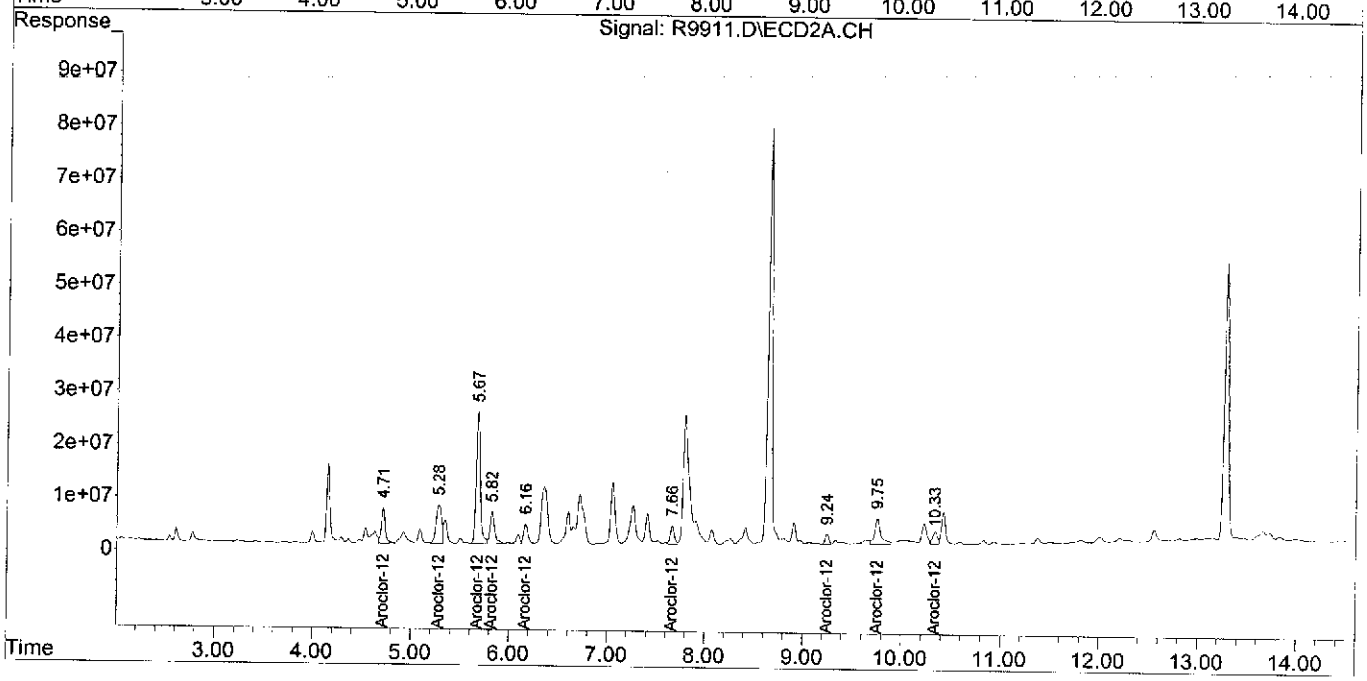
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9911.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 13:15
Operator : JS
Sample : O-46S_(2.0,03992-035,S,5.40g,38.4,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,50
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:35:13 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9912.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 13:33
Operator : JS
Sample : O-46N_(2.0,03992-036,S,5.10g,21.8,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,5
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:38:18 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	493.0E6	507.7E6	36.569m	33.530
Spiked Amount 200.000			Recovery =		18.28%	16.77%
2) S DCB	12.10	12.02	136.2E6	206.4E6	44.764	59.706m#
Spiked Amount 200.000			Recovery =		22.38%	29.85%
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
23) L6 Aroclor-1248	4.45	4.71	38065869	50298996	82.036	92.967
24) L6 Aroclor-1248 {2}	4.99	5.27	37951442	103.4E6	144.941	130.654
25) L6 Aroclor-1248 {3}	5.31	5.67	57217454	77371770	169.359	135.706
26) L6 Aroclor-1248 {4}	6.02	5.82	103.8E6	49338247	203.603	103.227 #
27) L6 Aroclor-1248 {5}	6.36	6.17	18809192	28416147	45.827	100.388 #
Sum Aroclor-1248			255.9E6	308.9E6	645.766	562.942
Average Aroclor-1248					129.153	112.588
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L8 Aroclor-1260	8.30	7.41	337.5E6	161.8E6	394.167	356.820
34) L8 Aroclor-1260 {2}	8.98	7.66	152.3E6	147.4E6	384.410	223.119 #
35) L8 Aroclor-1260 {3}	9.45	9.25	734.9E6	226.7E6	779.157	409.405 #
36) L8 Aroclor-1260 {4}	9.94	9.75	544.5E6	778.7E6	1074.551	678.302 #
37) L8 Aroclor-1260 {5}	0.00	10.34	0	894.3E6	N.D. d	1093.654 #
Sum Aroclor-1260			1769.2E6	2208.8E6	2632.286	2761.300
Average Aroclor-1260					658.071	552.260
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 : R9912.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 13:33
Operator : JS
Sample : O-46N_(2.0,03992-036,S,5.10g,21.8,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,5
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:38:18 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

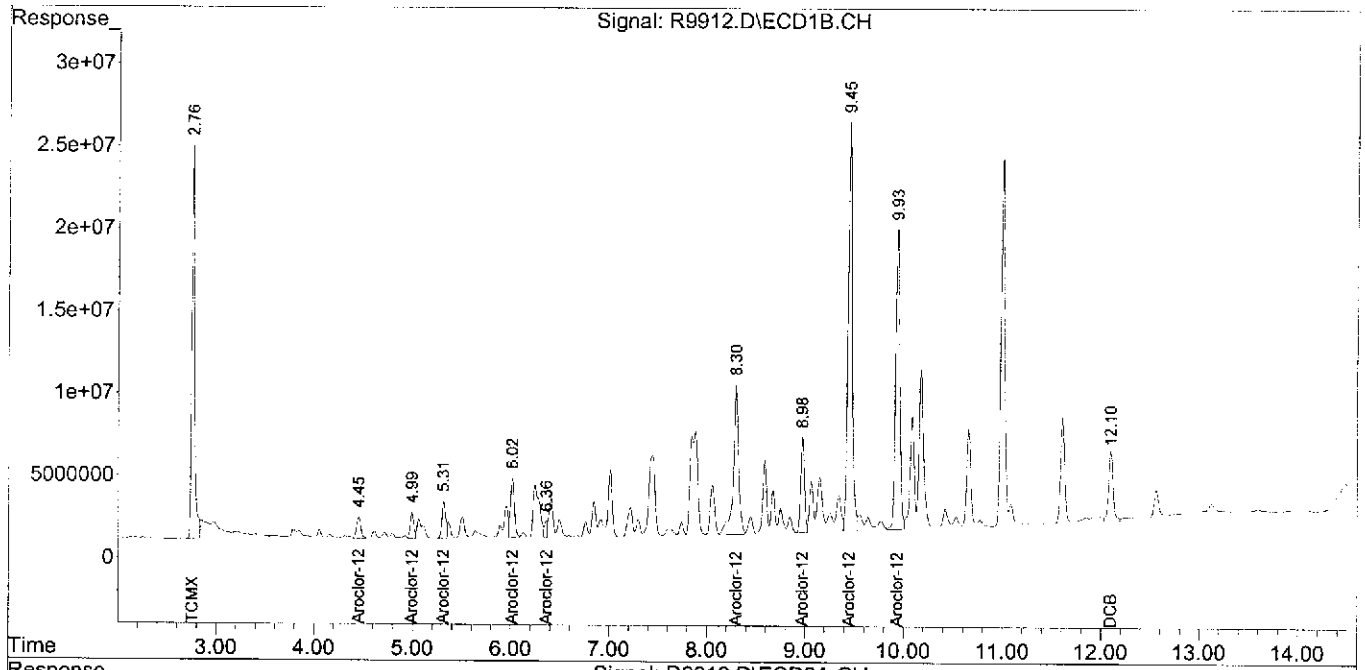
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

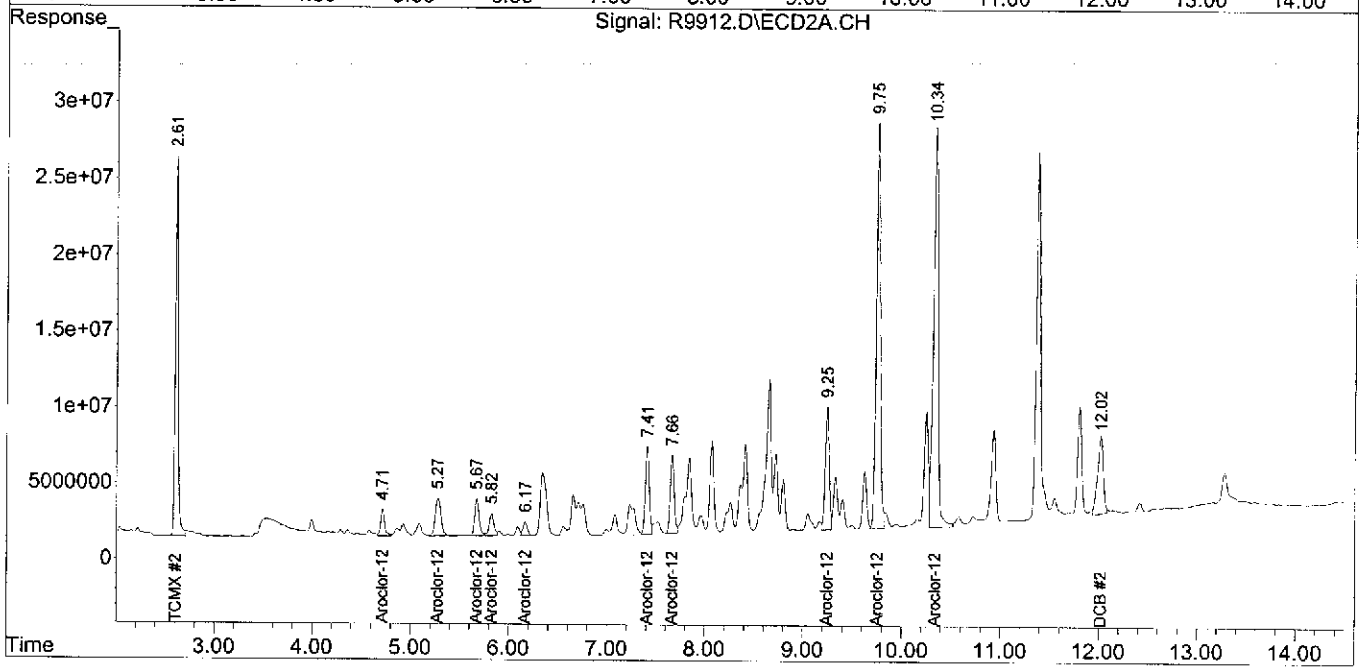
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9912.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 13:33
Operator : JS
Sample : O-46N_(2.0,03992-036,S,5.10g,21.8,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,5
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:38:18 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 : R9913.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 13:50
Operator : JS
Sample : O-46W_(0-2,03992-037,S,5.20g,16.8,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,10
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:42:05 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	259.9E6	273.4E6	19.282	18.053
Spiked Amount 200.000				Recovery =		9.64%	9.03%
2) S DCB		12.10	12.02	53835283	75642542	17.688m	21.882m
Spiked Amount 200.000				Recovery =		8.84%	10.94%
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	103.5E6	117.7E6	222.960	217.555
24) L6 Aroclor-1248	{2}	4.99	5.27	215.0E6	484.1E6	821.233	611.477 #
25) L6 Aroclor-1248	{3}	5.31	5.67	188.2E6	280.2E6	556.945	491.432
26) L6 Aroclor-1248	{4}	6.02	5.82	537.0E6	181.6E6	1053.034m	379.877 #
27) L6 Aroclor-1248	{5}	6.29	6.16	271.5E6	166.7E6	661.379	588.982
Sum Aroclor-1248				1315.1E6	1230.3E6	3315.551	2289.322
Average Aroclor-1248						663.110	457.864
Sum Aroclor-1254				0	0	N.D.	N.D.
Average Aroclor-1254						0.000	0.000
33) L8 Aroclor-1260		8.30	0.00	642.8E6	0	750.746	N.D. d#
34) L8 Aroclor-1260	{2}	8.98	7.66	51186589	357.6E6	129.236	541.262 #
35) L8 Aroclor-1260	{3}	9.45	9.24	135.6E6	217.0E6	143.718	391.951 #
36) L8 Aroclor-1260	{4}	9.93	9.75	86039711	183.8E6	169.795	160.139
37) L8 Aroclor-1260	{5}	11.00	10.34	38373495	128.4E6	186.597	157.078
Sum Aroclor-1260				954.0E6	886.8E6	1380.092	1250.430
Average Aroclor-1260						276.018	312.608
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 : R9913.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 13:50
Operator : JS
Sample : O-46W_(0-2,03992-037,S,5.20g,16.8,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,10
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:42:05 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 :

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.

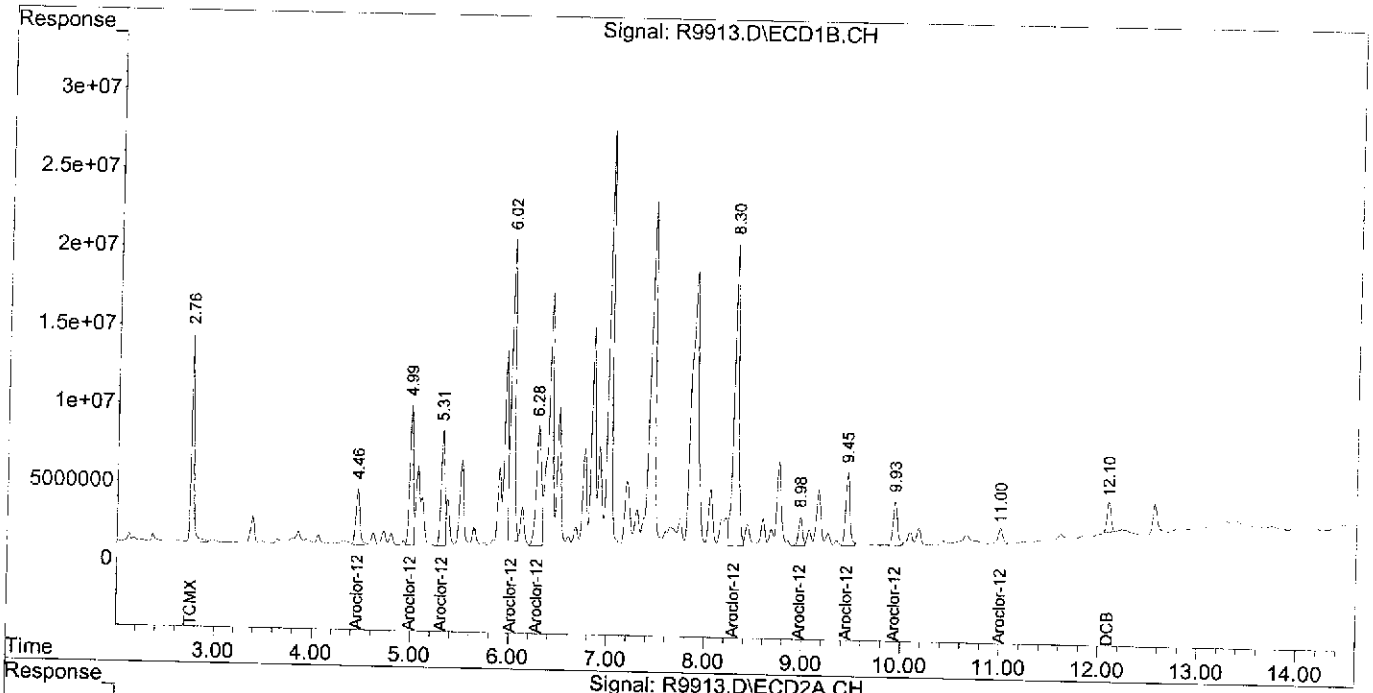
Quantitation Report (QT Reviewed)

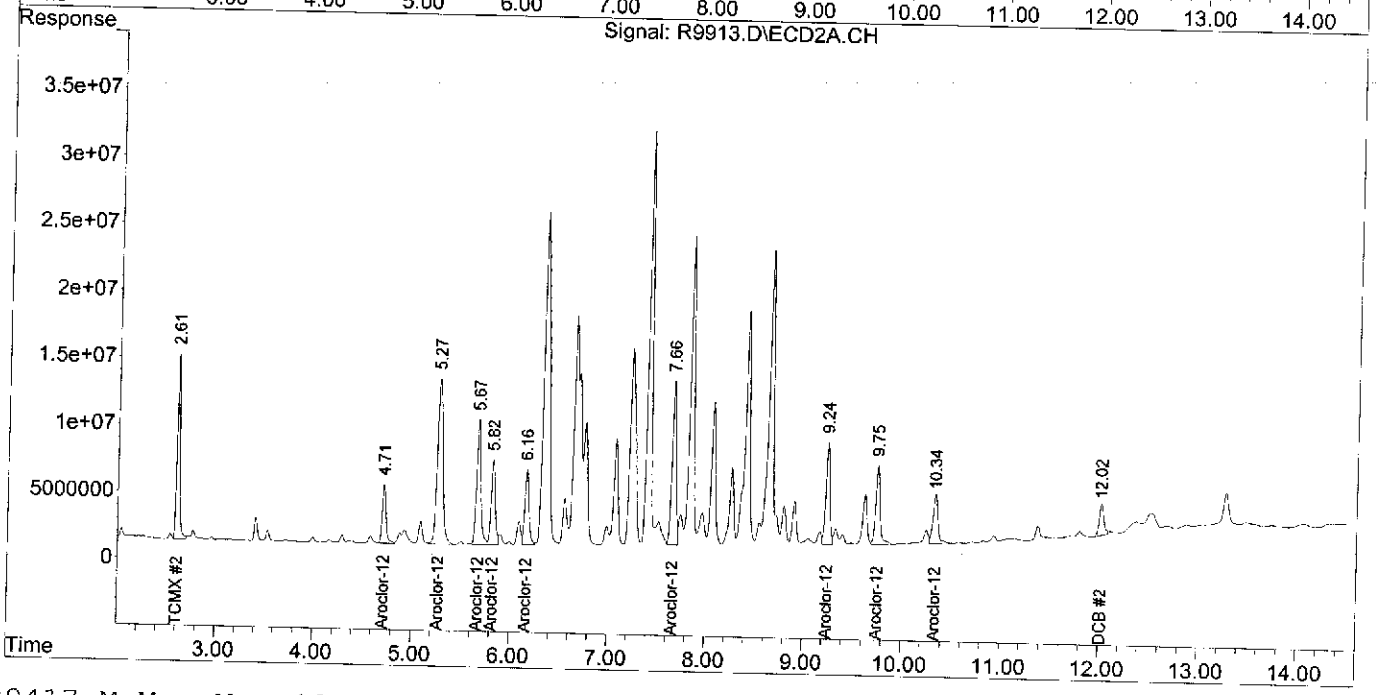
Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9913.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 13:50
Operator : JS
Sample : O-46W_(0-2,03992-037,S,5.20g,16.8,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,10
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:42:05 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\05-08-13\
Data File : R9896.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 7:38
Operator : JS
Sample : O-46W_(2.0,03992-038,S,5.40g,30.8,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:10:02 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	2155.8E6	2384.6E6	159.906	157.474
Spiked Amount 200.000			Recovery	=	79.95%	78.74%
2) S DCB	12.10	12.02	593.9E6	701.4E6	195.121m	202.898m
Spiked Amount 200.000			Recovery	=	97.56%	101.45%
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	191.3E6	223.1E6	412.164	412.445
24) L6 Aroclor-1248 {2}	4.99	5.28	145.1E6	458.4E6	553.986	578.938
25) L6 Aroclor-1248 {3}	5.31	5.67	543.2E6	410.4E6	1607.943m	719.752 #
26) L6 Aroclor-1248 {4}	6.01	5.82	363.0E6	297.9E6	711.815	623.304
27) L6 Aroclor-1248 {5}	6.35	6.16	222.5E6	201.4E6	542.204	711.644 #
Sum Aroclor-1248			1465.1E6	1591.2E6	3828.112	3046.084
Average Aroclor-1248					765.622	609.217
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.

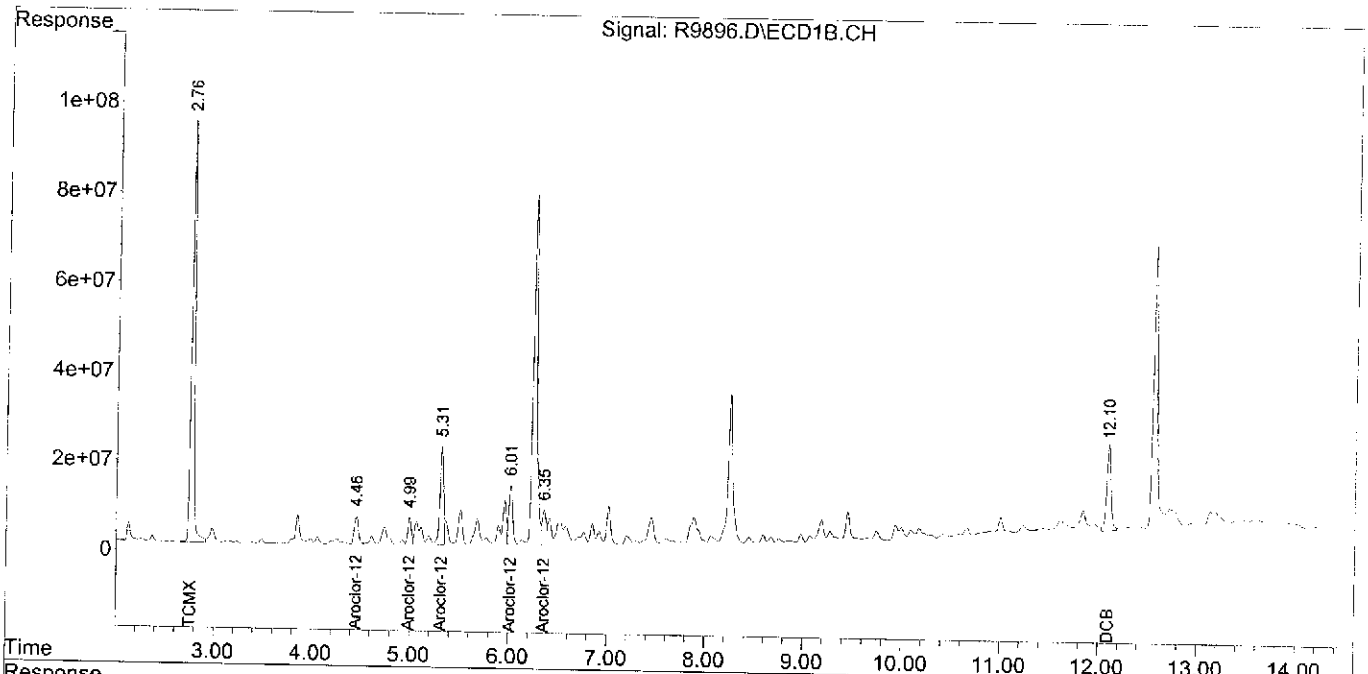
Quantitation Report (QT Reviewed)

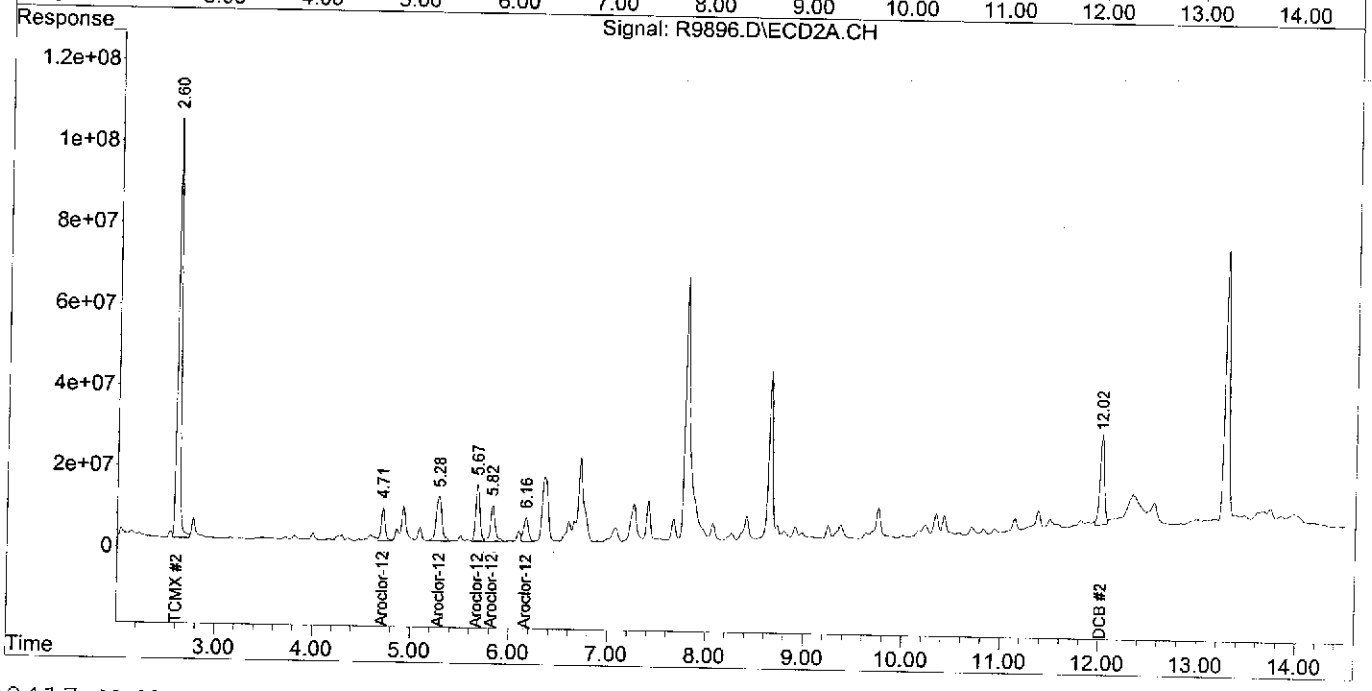
Data Path : C:\MSDCHEM\1\DATA\05-08-13\
Data File : R9896.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 7:38
Operator : JS
Sample : O-46W_(2.0,03992-038,S,5.40g,30.8,05/03/13,4
Misc : 130503-08,05/01/13,05/01/13,1
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 12 13:10:02 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\05-09-13\
Data File : R9922.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 18:34
Operator : JS
Sample : FB-80,03992-039,A,1000ml,100,05/07/13,1
Misc : 130507-08,05/01/13,05/01/13,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 11 16:39:48 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	2.75	2.60	2135.4E6	2401.4E6	158.397	158.585
Spiked Amount 200.000			Recovery	=	79.20%	79.29%
2) S DCB	12.10	12.02	613.4E6	672.7E6	201.538	194.593
Spiked Amount 200.000			Recovery	=	100.77%	97.30%
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

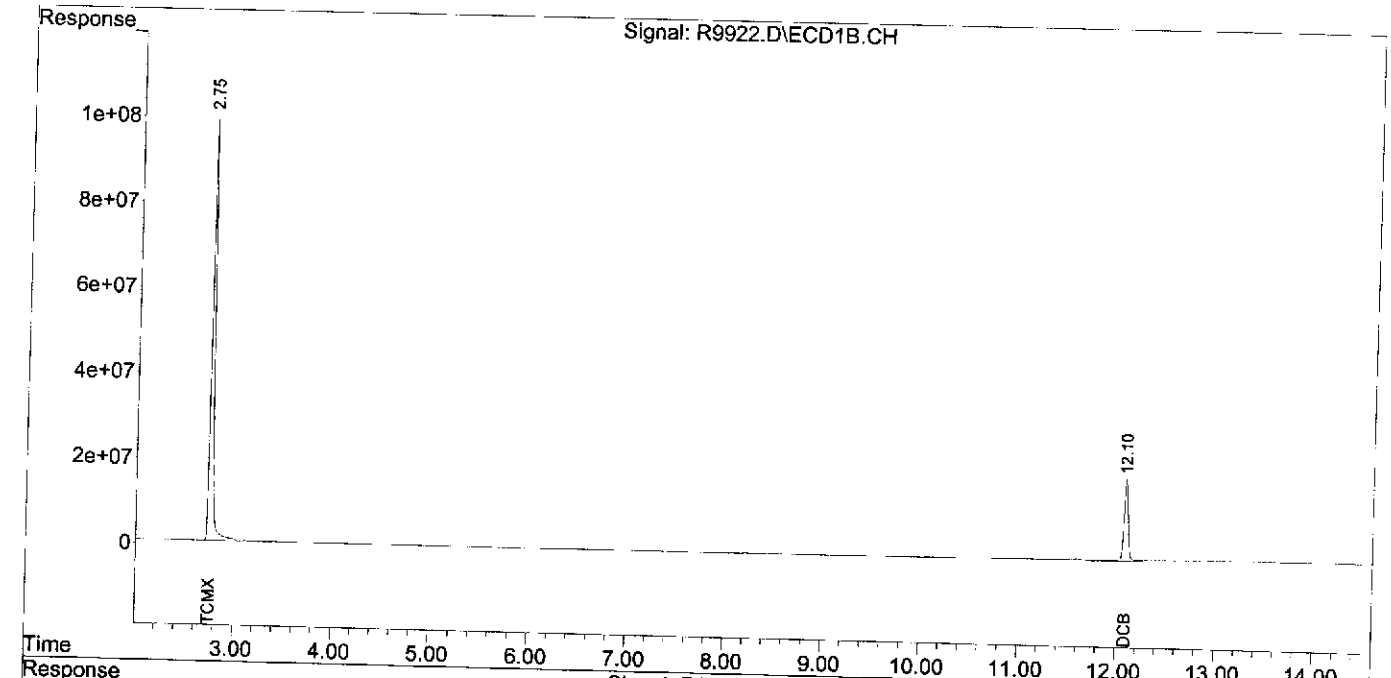
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

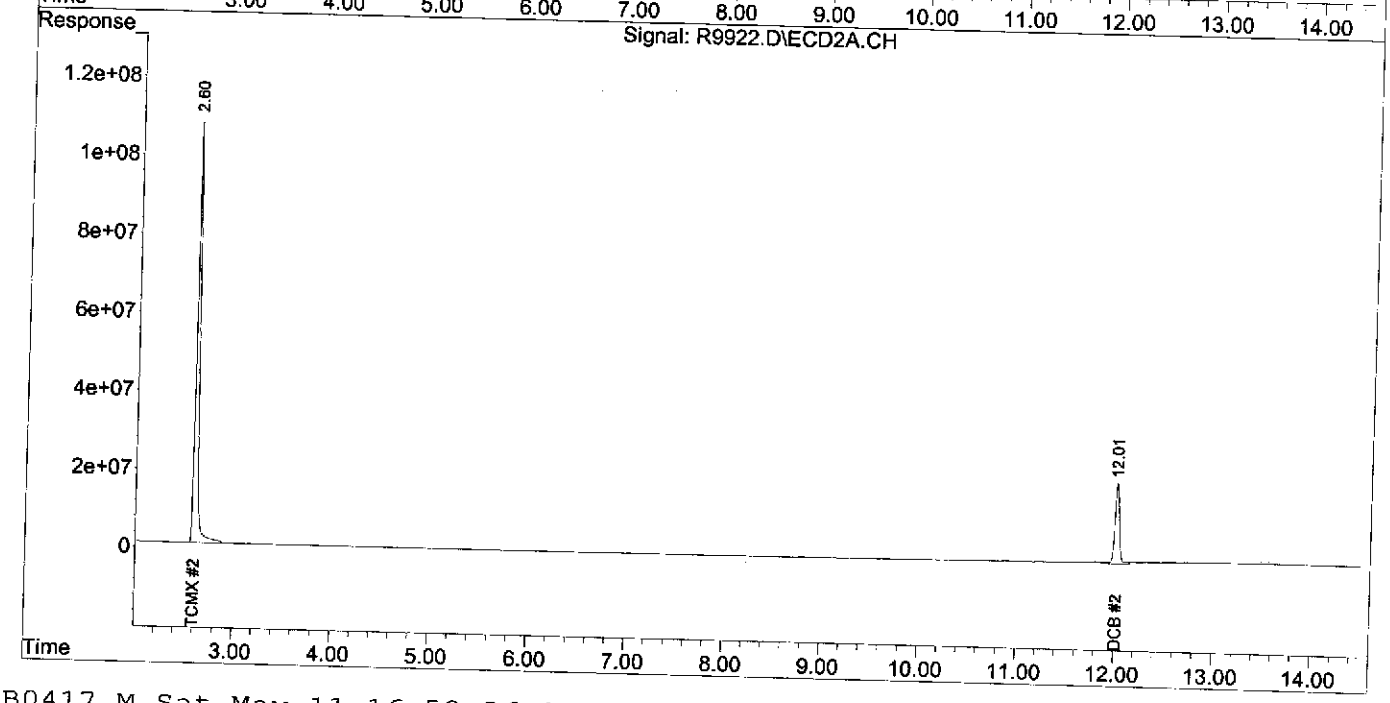
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9922.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 18:34
Operator : JS
Sample : FB-80,03992-039,A,1000ml,100,05/07/13,1
Misc : 130507-08,05/01/13,05/01/13,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 11 16:39:48 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 :





INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS130503-08
Client ID: PCB
Date Received: NA
Date Extracted: 05/03/2013
Date Analyzed: 05/09/2013
Data file: R9882.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\05-08-13\
Data File : R9882.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 3:33
Operator : JS
Sample : PCB,BLKS130503-08,S,5.00g,0,05/03/13,4
Misc : NA,NA,NA,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 10 15:10:41 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 :

Compound	RT#1	RT#2	Resp#1	Resp#2	ng#1	ng#2
System Monitoring Compounds						
1) S TCMX	2.76	2.60	2252.9E6	2538.7E6	167.109	167.655
Spiked Amount 200.000			Recovery	=	83.55%	83.83%
2) S DCB	12.10	12.02	594.0E6	676.1E6	195.166	195.577
Spiked Amount 200.000			Recovery	=	97.58%	97.79%
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

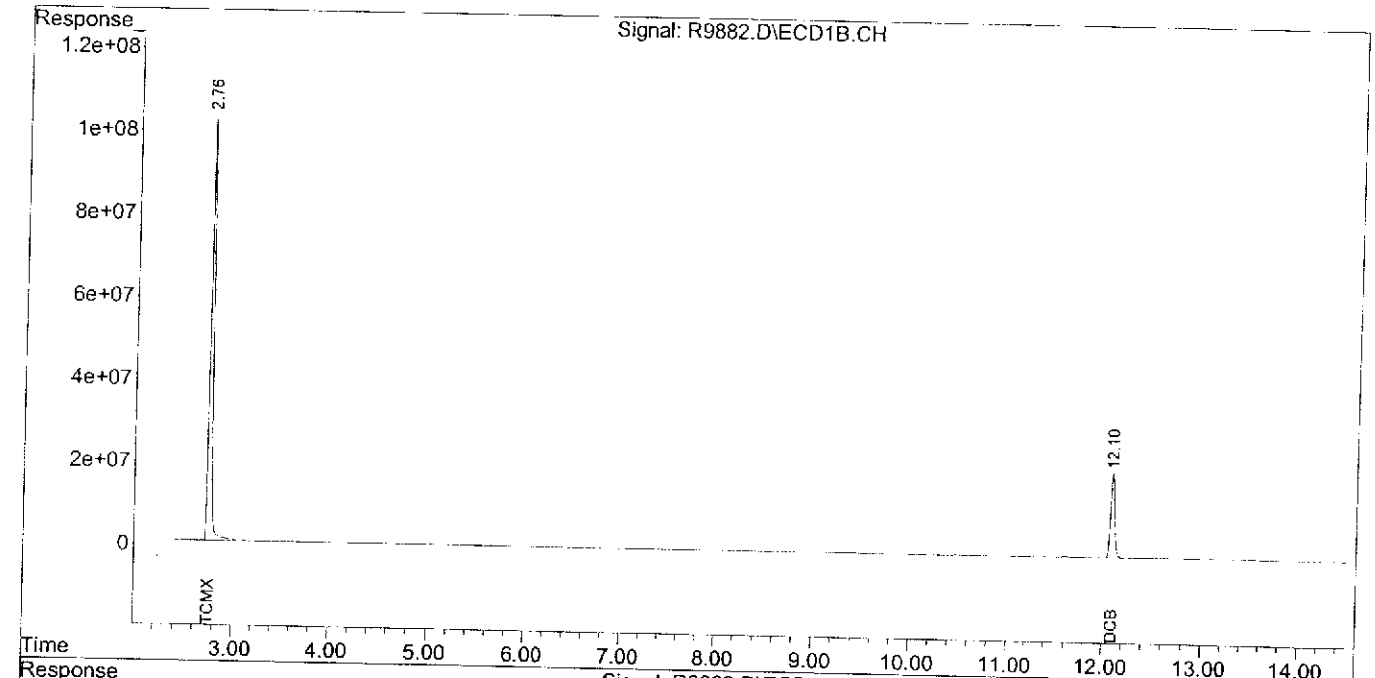
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

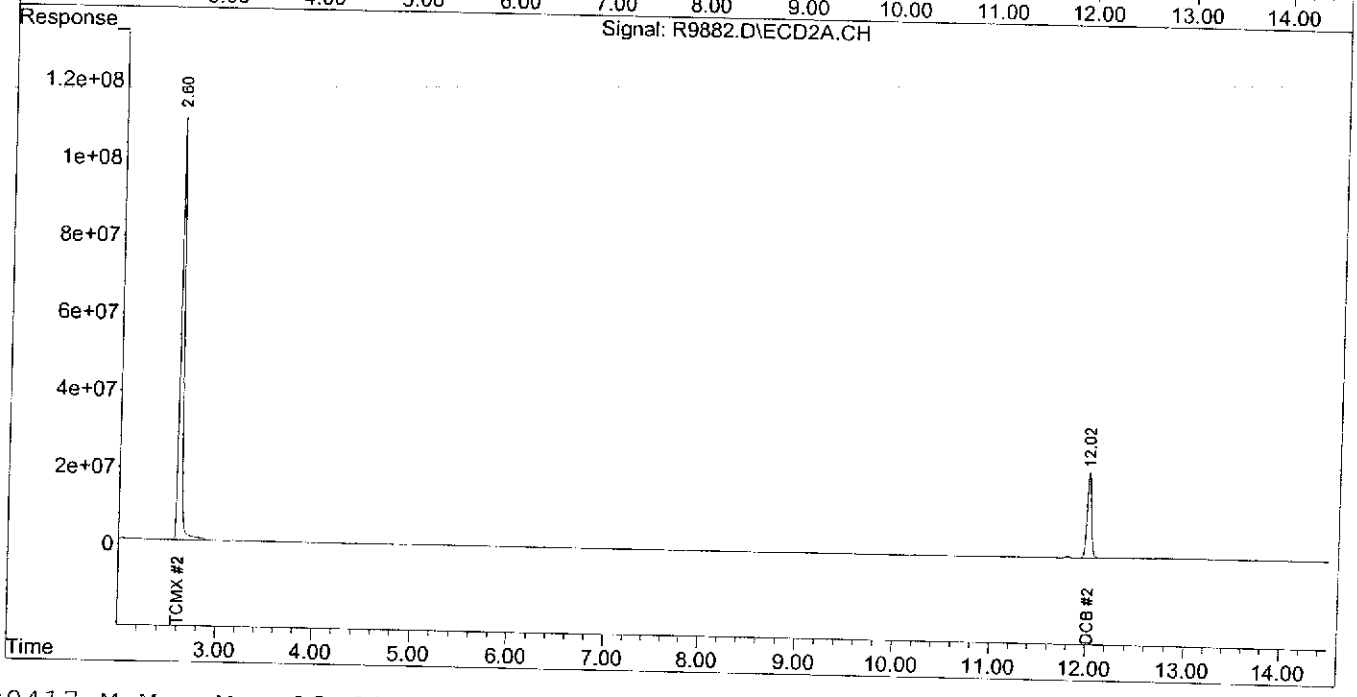
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-08-13\
Data File : R9882.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 3:33
Operator : JS
Sample : PCB,BLKS130503-08,S,5.00g,0,05/03/13,4
Misc : NA,NA,NA,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 10 15:10:41 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 :





INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA130502-08
Client ID: PCB
Date Received: NA
Date Extracted: 05/02/2013
Date Analyzed: 05/08/2013
Data file: R9852.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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKA130507-08
Client ID: PCB
Date Received: NA
Date Extracted: 05/07/2013
Date Analyzed: 05/09/2013
Data file: R9916.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

E13-03992 0193

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9916.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 16:50
Operator : JS
Sample : PCB,BLKA130507-08,A,1000ml,100,05/07/13,1
Misc : NA,NA,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 18:28:41 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	2.75	2.60	2313.6E6	2594.2E6	171.615	171.317
Spiked Amount 200.000			Recovery	=	85.81%	85.66%
2) S DCB	12.10	12.02	635.1E6	654.7E6	208.672	189.379
Spiked Amount 200.000			Recovery	=	104.34%	94.69%
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
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

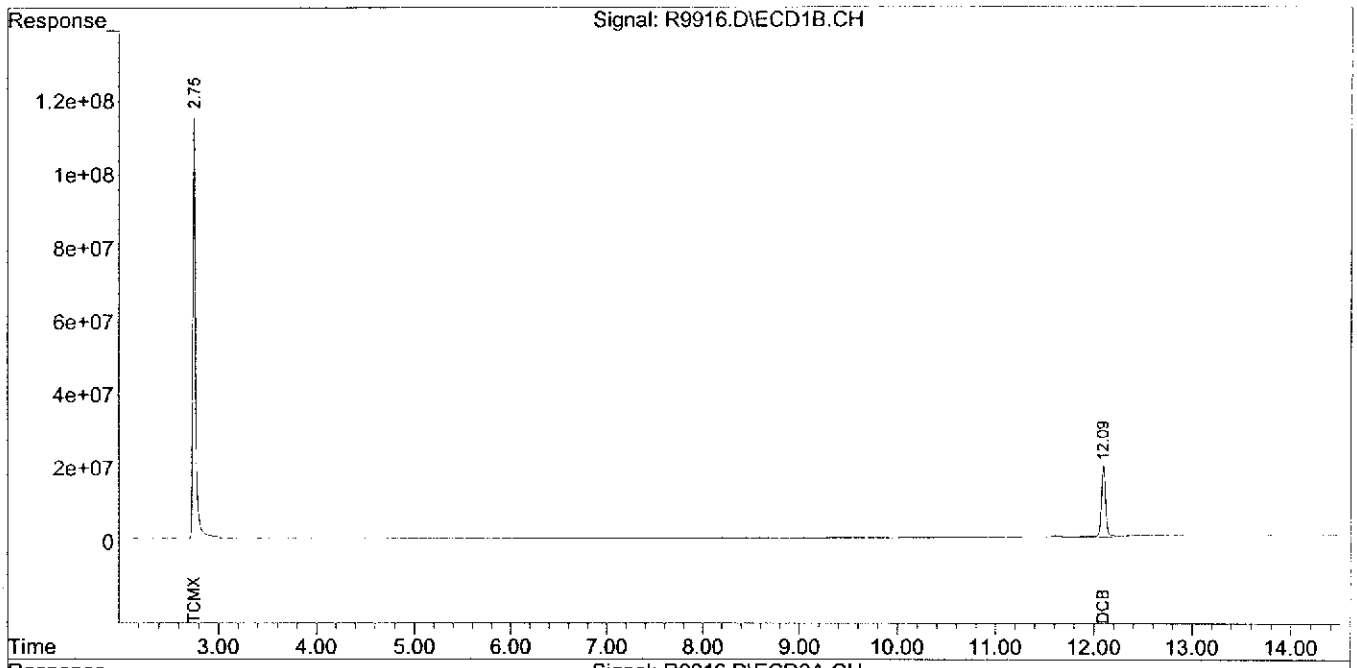
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

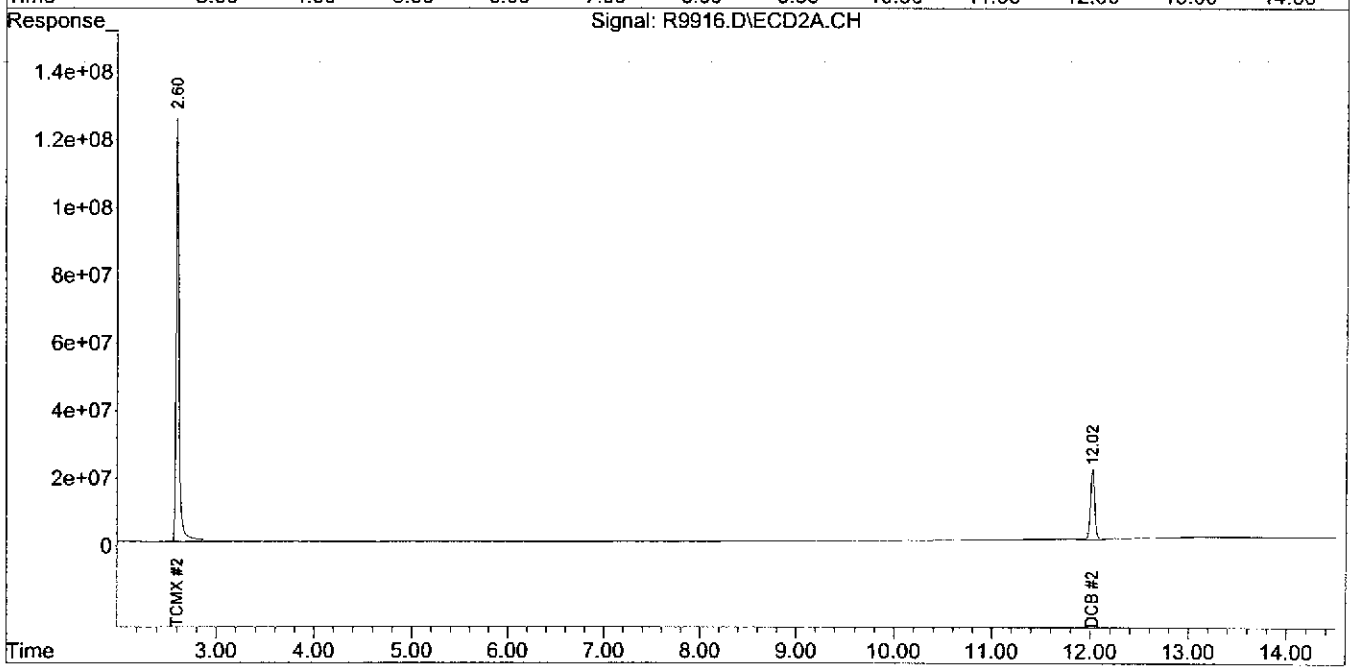
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-09-13\
Data File : R9916.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 09 May 2013 16:50
Operator : JS
Sample : PCB,BLKA130507-08,A,1000ml,100,05/07/13,1
Misc : NA,NA,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 09 18:28:41 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: BLKS130503-02
Client ID: PCB
Date Received: NA
Date Extracted: 05/03/2013
Date Analyzed: 05/12/2013
Data file: R0023.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\05-11-13\
Data File : R0023.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 5:27
Operator : JS
Sample : PCB,BLKS130503-02,S,5.00g,0,05/03/13,4
Misc : NA,NA,NA,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 13:45:01 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	2.75	2.60	2070.7E6	2305.6E6	153.593	152.255
Spiked Amount 200.000			Recovery	=	76.80%	76.13%
2) S DCB	12.10	12.02	546.1E6	615.0E6	179.432	177.901
Spiked Amount 200.000			Recovery	=	89.72%	88.95%
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

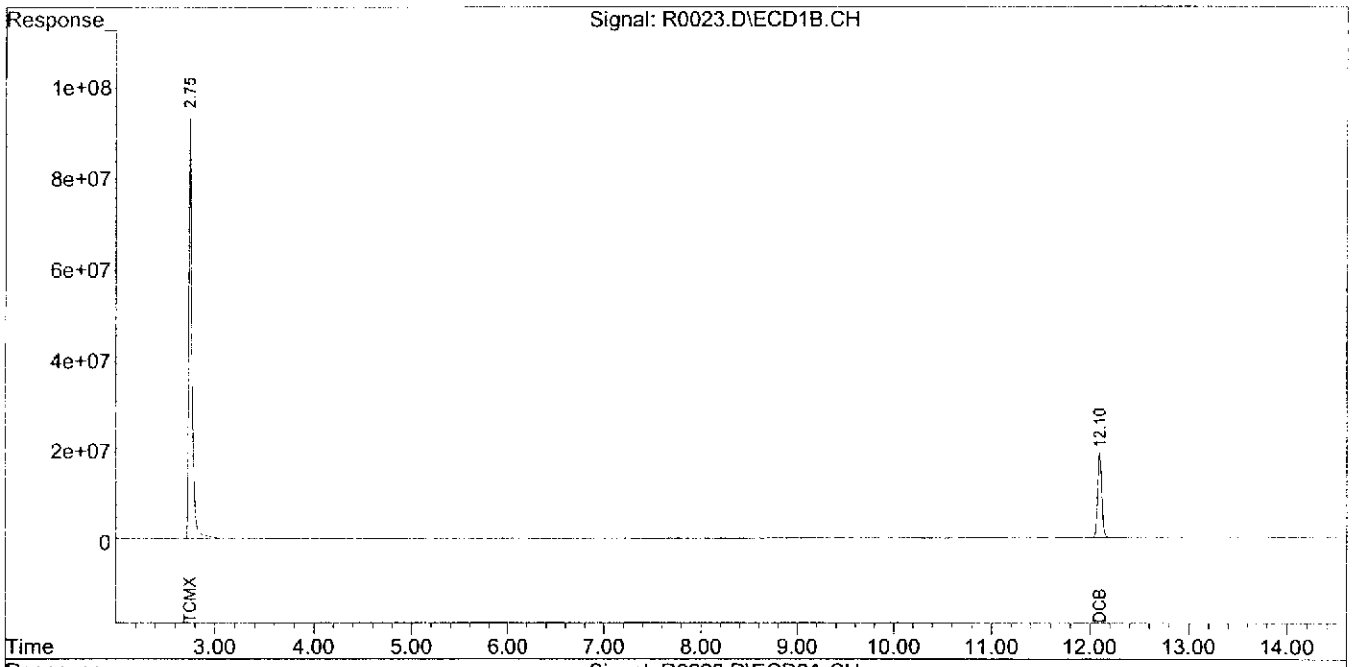
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

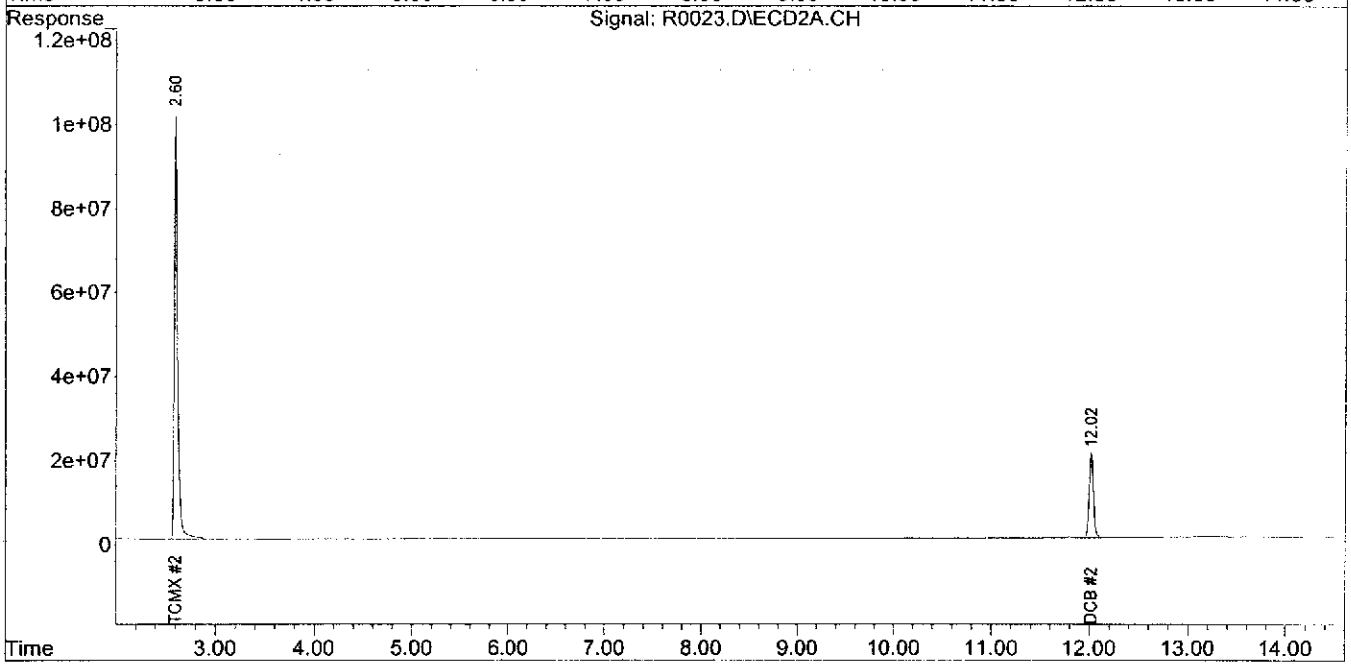
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\05-11-13\
Data File : R0023.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 May 2013 5:27
Operator : JS
Sample : PCB,BLKS130503-02,S,5.00g,0,05/03/13,4
Misc : NA,NA,NA,1
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 15 13:45:01 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: BLKS130503-03
Client ID: PCB
Date Received: NA
Date Extracted: 05/03/2013
Date Analyzed: 05/13/2013
Data file: R0132.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\05-13-13\
Data File : R0132.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 May 2013 23:01
Operator : JS
Sample : PCB,BLKS130503-03,S,5.00g,0,05/03/13,4
Misc : NA,NA,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: May 16 13:37:09 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	1981.4E6	2294.6E6	146.969	151.530
Spiked Amount 200.000			Recovery	=	73.48%	75.77%
2) S DCB	12.10	12.02	489.2E6	575.9E6	160.727	166.589
Spiked Amount 200.000			Recovery	=	80.36%	83.29%
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\05-13-13\
Data File : R0132.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 May 2013 23:01
Operator : JS
Sample : PCB,BLKS130503-03,S,5.00g,0,05/03/13,4
Misc : NA,NA,NA,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
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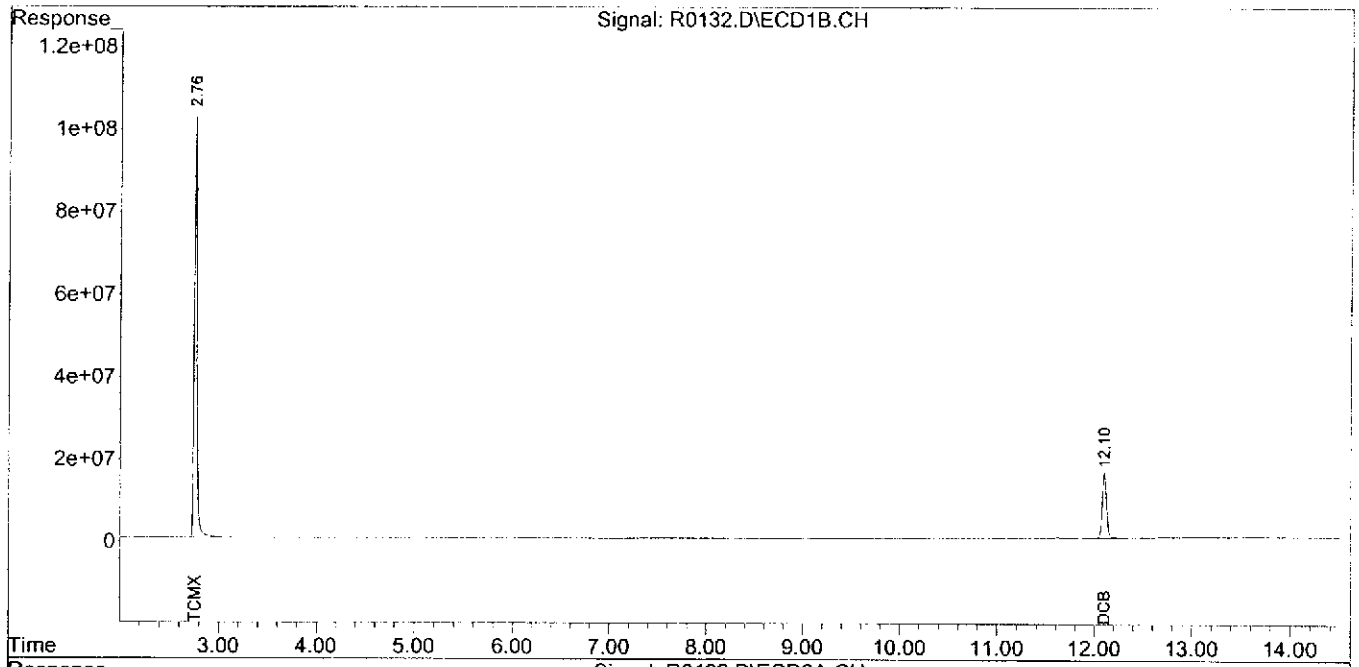

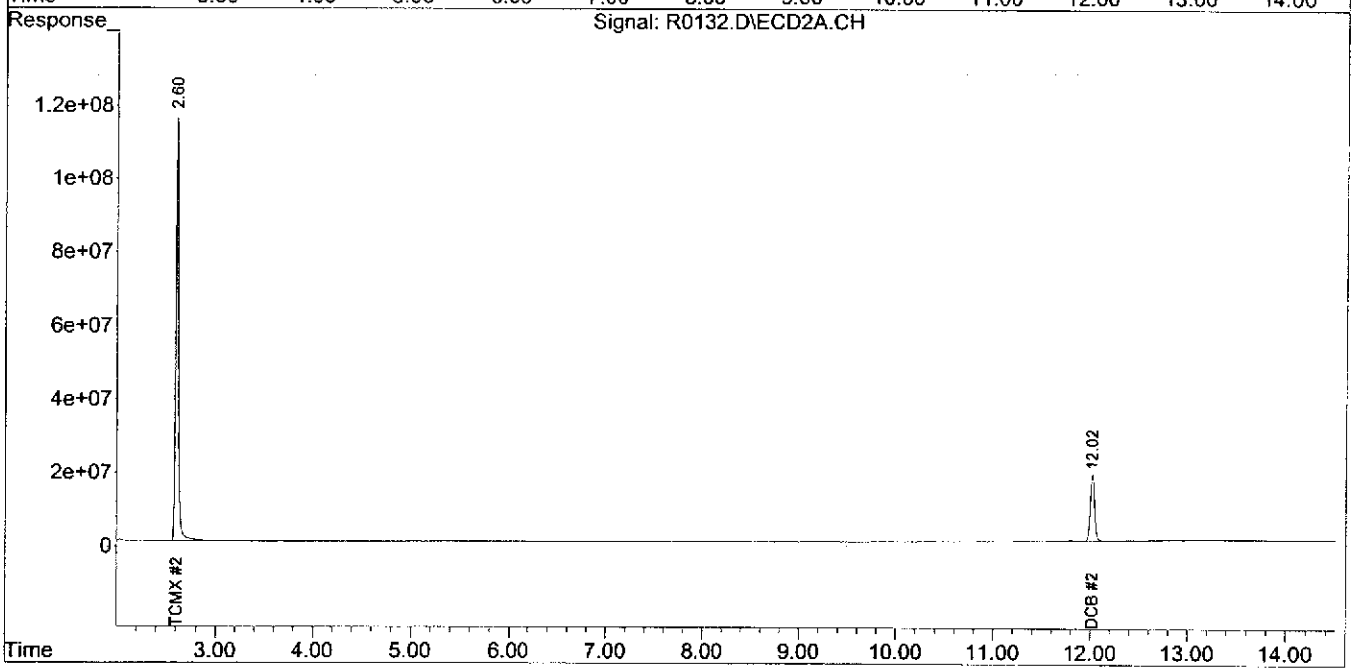

SAMPLE TRACKING

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 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 Wi - Wipe

ANALYTICAL PARAMETERS

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
Q-42W (2.0-4.0)		5/1/13	8:58	S	1	1	x						
Q-42W (4.0-6.0)			8:59	S	1	2	x						
P-43N (4.0-6.0)			9:14	S	1	3	x						
P-41S (2.0-4.0)			9:35	S	1	4	x						
P-41S (4.0-6.0)			9:36	S	1	5	x						
P-39S (0-2.0)			9:51	S	1	6	x						
P-39S (2.0-4.0)			9:52	S	1	7	x						
P-39N (0-2.0)			10:11	S	1	8	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)

BOTTLES & PRESERVATIVES

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]	5/1/13		Received by:	[signature]	5/1/13	1630
Relinquished by:	[signature]	5/1/13	1705	Received by:	[signature]	5/1/13	1705
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 03992

PAGE: 1 of 5

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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 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
P-39N (2.0-4.0)		5/1/13	10:12	S	1	9	x						
P-39N (4.0-6.0)			10:13	S	1	10	x						
P-39W (0-2.0)			10:34	S	1	11	x						
P-39W (2.0-4.0)			10:35	S	1	12	x						
P-39W (4.0-5.25)			10:36	S	1	13	x						
P-39W (5.25-6.0)			10:37	S	1	14	x						
P-40W (4.0-5.0)			11:08	S	1	15	x						
P-40W (5.0-6.0)			11:09	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)

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:	5/1/13		Received by:	5-1-13	1530
Relinquished by:	5-1-13	1705	Received by:	5/1/13	1705
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 03992

PAGE: 2 of 5

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Randolph, NJ 07869

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

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Company: JMC Environmental Consultants, Inc.	REPORT TO: James Clabby
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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	

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

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

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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 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
P-41W (2.0-4.0)		5/1/13	11:27	S	1	17	X						
P-41W (4.0-6.0)			11:28	S	1	18	X						
P-43W (4.0-6.0)			11:45	S	1	19	X						
P-44W (4.0-6.0)			12:07	S	1	20	X						
P-44E (4.0-6.0)			12:20	S	1	21	X						
Q-43S (0-2.0)			12:56	S	1	22	X						
Q-43S (4.0-5.0)			12:57	S	1	23	X						
Q-43S (5.0-6.0)			12:58	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)

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:		5/1/13		Received by:		5/1/13	1530
Relinquished by:		5/1/13	1705	Received by:		5/1/13	1705
Relinquished by:				Received by:			
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Rush TAT Charge **	Report Format	EDDs
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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-45N (0-2.0)		5/1/13	1:16	S	1	25	x						
Q-45N (2.0-4.0)			1:17	S	1	26	x						
Q-46N (0-2.0)			1:32	S	1	27	x						
Q-46N (2.0-4.0)			1:33	S	1	28	x						
P-45E (0-2.0)			1:50	S	1	29	x						
P-45E (2.0-4.0)			1:51	S	1	30	x						
Q-46W (0-2.0)			2:02	S	1	31	x						
P-45S (0-2.0)			2:14	S	1	32	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:	[signature]	5/1/13	1705	Received by:	[signature]	5/1/13	1705
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

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Lab Case # 03992

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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 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
P-44S (4.0-6.0)		5/1/13	2:28	S	1	33	x						
O-46E (2.0-4.0)			2:42	S	1	34	x						
O-46S (2.0-4.0)			2:54	S	1	35	x						
O-46N (2.0-4.0)			3:04	S	1	36	x						
O-46W (0-2.0)			3:15	S	1	37	x						
O-46W (2.0-4.0)			3:16	S	1	38	x						
FB-80			3:22	AQ	2	39	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:		5/1/13		Received by:		5/1/13	1530
Relinquished by:		5/1/13	1705	Received by:		5/1/13	1705
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 03992

PAGE: 5 of 5

5 COPIES - WHITE & YELLOW; CLIENT COPY - PINK

C:\Documents and Settings\skosch\Desktop\Copy of PCB IALCOC

10/2010 rev

0207

PROJECT INFORMATION

E13-03992

Case No. E13-03992 **Project** ARSYNCO

Customer	JMC Environmental Consultants	**P.O. #**	22126
Contact	Jim Clabby	**Received**	5/1/2013 17:05
EMail	jclabby@jmcenvironmental.com; ahallgreen@jmcenvironmental.co kadams@jmcenvironmental.com; closch@jmcenvironmental.com; cho@jmcenvironmental.com ☑ EMail EDDs	**Verbal Due**	5/16/2013
Phone	(732) 295-2144 **Fax** (732) 295-2150	**Report Due**	5/23/2013
Report To		**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
03992-001	Q-42W (2.0-4.0)	2 / 4	5/1/2013@08:58	Soil	mg/Kg	1
03992-002	Q-42W (4.0-6.0)	4 / 6	5/1/2013@08:59	Soil	mg/Kg	1
03992-003	P-43N (4.0-6.0)	4 / 6	5/1/2013@09:14	Soil	mg/Kg	1
03992-004	P-41S (2.0-4.0)	2 / 4	5/1/2013@09:35	Soil	mg/Kg	1
03992-005	P-41S (4.0-6.0)	4 / 6	5/1/2013@09:36	Soil	mg/Kg	1
03992-006	P-39S (0-2.0)	0 / 2	5/1/2013@09:51	Soil	mg/Kg	1
03992-007	P-39S (2.0-4.0)	2 / 4	5/1/2013@09:52	Soil	mg/Kg	1
03992-008	P-39N (0-2.0)	0 / 2	5/1/2013@10:11	Soil	mg/Kg	1
03992-009	P-39N (2.0-4.0)	2 / 4	5/1/2013@10:12	Soil	mg/Kg	1
03992-010	P-39N (4.0-6.0)	4 / 6	5/1/2013@10:13	Soil	mg/Kg	1
03992-011	P-39W (0-2.0)	0 / 2	5/1/2013@10:34	Soil	mg/Kg	1
03992-012	P-39W (2.0-4.0)	2 / 4	5/1/2013@10:35	Soil	mg/Kg	1
03992-013	P-39W (4.0-5.25)	4 / 5.25	5/1/2013@10:36	Soil	mg/Kg	1
03992-014	P-39W (5.25-6.0)	5.25 / 6	5/1/2013@10:37	Soil	mg/Kg	1
03992-015	P-40W (4.0-5.0)	4 / 5	5/1/2013@11:08	Soil	mg/Kg	1
03992-016	P-40W (5.0-6.0)	5 / 6	5/1/2013@11:09	Soil	mg/Kg	1
03992-017	P-41W (2.0-4.0)	2 / 4	5/1/2013@11:27	Soil	mg/Kg	1
03992-018	P-41W (4.0-6.0)	4 / 6	5/1/2013@11:28	Soil	mg/Kg	1
03992-019	P-43W (4.0-6.0)	4 / 6	5/1/2013@11:45	Soil	mg/Kg	1
03992-020	P-44W (4.0-6.0)	4 / 6	5/1/2013@12:02	Soil	mg/Kg	1
03992-021	P-44E (4.0-6.0)	4 / 6	5/1/2013@12:20	Soil	mg/Kg	1
03992-022	Q-43S (0-2.0)	0 / 2	5/1/2013@12:56	Soil	mg/Kg	1
03992-023	Q-43S (4.0-5.0)	4 / 5	5/1/2013@12:57	Soil	mg/Kg	1
03992-024	Q-43S (5.0-6.0)	5 / 6	5/1/2013@12:58	Soil	mg/Kg	1
03992-025	Q-45N (0-2.0)	0 / 2	5/1/2013@13:16	Soil	mg/Kg	1
03992-026	Q-45N (2.0-4.0)	2 / 4	5/1/2013@13:17	Soil	mg/Kg	1
03992-027	Q-46N (0-2.0)	0 / 2	5/1/2013@13:32	Soil	mg/Kg	1
03992-028	Q-46N (2.0-4.0)	2 / 4	5/1/2013@13:33	Soil	mg/Kg	1
03992-029	P-45E (0-2.0)	0 / 2	5/1/2013@13:50	Soil	mg/Kg	1

PROJECT INFORMATION

E13-03992

Case No. E13-03992 Project ARSYNCO

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
03992-030	P-45E (2.0-4.0)	2 / 4	5/1/2013@13:51	Soil	mg/Kg	1
03992-031	Q-46W (0-2.0)	0 / 2	5/1/2013@14:02	Soil	mg/Kg	1
03992-032	P-45S (0-2.0)	0 / 2	5/1/2013@14:14	Soil	mg/Kg	1
03992-033	P-44S (4.0-6.0)	4 / 6	5/1/2013@14:28	Soil	mg/Kg	1
03992-034	O-46E (2.0-4.0)	2 / 4	5/1/2013@14:42	Soil	mg/Kg	1
03992-035	O-46S (2.0-4.0)	2 / 4	5/1/2013@14:54	Soil	mg/Kg	1
03992-036	O-46N (2.0-4.0)	2 / 4	5/1/2013@15:04	Soil	mg/Kg	1
03992-037	O-46W (0-2.0)	0 / 2	5/1/2013@15:15	Soil	mg/Kg	1
03992-038	O-46W (2.0-4.0)	2 / 4	5/1/2013@15:16	Soil	mg/Kg	1
03992-039	FB-80	n/a	5/1/2013@15:22	Aqueous	mg/L	2

Sample #	Tests	Status	QA Method
001	TCL PCB	Run	8082
002	TCL PCB	Run	8082
003	TCL PCB	Run	8082
004	TCL PCB	Run	8082
005	TCL PCB	Run	8082
006	TCL PCB	Run	8082
007	TCL PCB	Run	8082
008	TCL PCB	Run	8082
009	TCL PCB	Run	8082
010	TCL PCB	Run	8082
011	TCL PCB	Run	8082
012	TCL PCB	Run	8082
013	TCL PCB	Run	8082
014	TCL PCB	Run	8082
015	TCL PCB	Run	8082
016	TCL PCB	Run	8082
017	TCL PCB	Run	8082
018	TCL PCB	Run	8082
019	TCL PCB	Run	8082
020	TCL PCB	Run	8082
021	TCL PCB	Run	8082
022	TCL PCB	Run	8082
023	TCL PCB	Run	8082
024	TCL PCB	Run	8082
025	TCL PCB	Run	8082
026	TCL PCB	Run	8082
027	TCL PCB	Run	8082
028	TCL PCB	Run	8082
029	TCL PCB	Run	8082
030	TCL PCB	Run	8082
031	TCL PCB	Run	8082
032	TCL PCB	Run	8082
033	TCL PCB	Run	8082
034	TCL PCB	Run	8082
035	TCL PCB	Run	8082

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PROJECT INFORMATION

E13-03992

Case No. E13-03992 **Project** ARSYNCO

Sample #	Tests	Status	QA Method
036	TCL PCB	Run	8082
037	TCL PCB	Run	8082
038	TCL PCB	Run	8082
039	TCL PCB	Run	8082

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 13** **03992** CLIENT: JMC

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

COC: (COMPLETE) / INCOMPLETE

Comments

KEY

✓ = **YES/NA**
✗ = **NO**

VOA received: (check one) ☐ Encore ☐ Terra Core ☐ IGW - Methanol ☐ 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 [illegible] DATE 5/1/13

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 KG DATE 5/2/13

Laboratory Custody Chronicle

IAL Case No.

E13-03992

Client JMC Environmental Consultants

Project ARSYNCO

Received On 5/ 1/2013@17:05

Department: GC

			Prep. Date	Analyst	Analysis Date	Analyst
TCL PCB	03992-001	Soil	5/ 3/13	Archimede	5/12/13	Justyna
"	-002	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-003	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-004	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-005	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-006	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-007	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-008	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-009	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-010	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-011	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-012	"	5/ 3/13	Archimede	5/12/13	Justyna
"	-013	"	5/ 3/13	Archimede	5/13/13	Justyna
"	-014	"	5/ 3/13	Archimede	5/13/13	Justyna
"	-015	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-016	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-017	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-018	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-019	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-020	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-021	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-022	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-023	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-024	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-025	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-026	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-027	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-028	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-029	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-030	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-031	"	5/ 3/13	Archimede	5/16/13	Justyna
"	-032	"	5/ 3/13	Archimede	5/14/13	Justyna
"	-033	"	5/ 3/13	Archimede	5/ 9/13	Justyna
"	-034	"	5/ 3/13	Archimede	5/ 9/13	Justyna
"	-035	"	5/ 3/13	Archimede	5/ 9/13	Justyna
"	-036	"	5/ 3/13	Archimede	5/ 9/13	Justyna
"	-037	"	5/ 3/13	Archimede	5/ 9/13	Justyna
"	-038	"	5/ 3/13	Archimede	5/ 9/13	Justyna
"	-039	Aqueous	5/ 7/13	Archimede	5/ 9/13	Justyna

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