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: **E13-03191**

These data have been reviewed and accepted by:

Michael H. Lefton, Ph.D.
Laboratory Director

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

Sample Summary

IAL Case No.

E13-03191

Client JMC Environmental Consultants

Project ARSYNCO

Received On 4/ 9/2013@17:17

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
03191-001	R-13S(0-2.0)	0/2.0	4/ 9/2013@08:52	Soil	1
03191-002	R-13S(2.0-4.0)	2.0/4.0	4/ 9/2013@08:53	Soil	1
03191-003	T-8N(0-2.0)	0/2.0	4/ 9/2013@09:15	Soil	1
03191-004	T-8W(0-2.0)	0/2.0	4/ 9/2013@09:27	Soil	1
03191-005	T-8S(0-2.0)	0/2.0	4/ 9/2013@09:40	Soil	1
03191-006	T-8E(0-2.0)	0/2.0	4/ 9/2013@09:52	Soil	1
03191-007	R-16N(0-2.0)	0/2.0	4/ 9/2013@10:10	Soil	1
03191-008	R-16E(0-2.0)	0/2.0	4/ 9/2013@10:22	Soil	1
03191-009	R-17N(0-2.0)	0/2.0	4/ 9/2013@10:47	Soil	1
03191-010	R-17N(2.0-4.0)	2.0/4.0	4/ 9/2013@10:48	Soil	1
03191-011	R-17N(4.0-6.0)	4.0/6.0	4/ 9/2013@10:49	Soil	1
03191-012	R-17E(2.0-4.0)	2.0/4.0	4/ 9/2013@11:14	Soil	1
03191-013	R-17E(4.0-6.0)	4.0/6.0	4/ 9/2013@11:15	Soil	1
03191-014	R-17S(2.0-4.0)	2.0/4.0	4/ 9/2013@11:38	Soil	1
03191-015	R-17S(4.0-6.0)	4.0/6.0	4/ 9/2013@11:39	Soil	1
03191-016	R-18E(0-2.0)	0/2.0	4/ 9/2013@12:05	Soil	1
03191-017	R-18E(4.0-6.0)	4.0/6.0	4/ 9/2013@12:06	Soil	1
03191-018	R-18S(0-2.0)	0/2.0	4/ 9/2013@12:23	Soil	1
03191-019	R-18S(4.0-6.0)	4.0/6.0	4/ 9/2013@12:24	Soil	1
03191-020	Q-18E(0-2.0)	0/2.0	4/ 9/2013@12:45	Soil	1
03191-021	Q-18E(4.0-5.0)	4.0/5.0	4/ 9/2013@12:46	Soil	1
03191-022	Q-18E(5.0-6.0)	5.0/6.0	4/ 9/2013@12:47	Soil	1
03191-023	Q-18E(2.0-4.0)	2.0/4.0	4/ 9/2013@12:48	Soil	1
03191-024	Q-18S(0-2.0)	0/2.0	4/ 9/2013@13:27	Soil	1
03191-025	Q-18S(2.0-4.0)	2.0/4.0	4/ 9/2013@13:28	Soil	1
03191-026	Q-18W(0-2.0)	0/2.0	4/ 9/2013@13:50	Soil	1
03191-027	Q-18W(2.0-4.0)	2.0/4.0	4/ 9/2013@13:51	Soil	1
03191-028	Q-18W(4.0-6.0)	4.0/6.0	4/ 9/2013@13:52	Soil	1
~~03191-029~~	~~Q-17S(4.0-5.0)~~	4.0/5.0	4/ 9/2013@14:11	Soil	1
03191-030	Q-17S(5.0-6.0)	5.0/6.0	4/ 9/2013@14:12	Soil	1
03191-031	Q-17E(0-2.0)	0/2.0	4/ 9/2013@14:28	Soil	1
03191-032	Q-17E(4.0-5.0)	4.0/5.0	4/ 9/2013@14:29	Soil	1
03191-033	Q-17E(5.0-6.0)	5.0/6.0	4/ 9/2013@14:30	Soil	1
03191-034	Q-17N(0-2.0)	0/2.0	4/ 9/2013@14:50	Soil	1
03191-035	Q-17N(2.0-4.0)	2.0/4.0	4/ 9/2013@14:51	Soil	1
03191-036	Q-17N(4.0-5.0)	4.0/5.0	4/ 9/2013@14:52	Soil	1
03191-037	Q-17N(5.0-6.0)	5.0/6.0	4/ 9/2013@14:53	Soil	1
03191-038	Q-16W(0-2.0)	0/2.0	4/ 9/2013@15:05	Soil	1
03191-039	Q-16W(2.0-4.0)	2.0/4.0	4/ 9/2013@15:06	Soil	1
03191-040	FB-66	n/a	4/ 9/2013@15:14	Aqueous	2

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INTEGRATED ANALYTICAL LABORATORIES, LLC.

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This report was finalized on April 26, 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-nine (39) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-03191, Project: ARSYNCO) on April 9, 2013 for the analysis of:

(40) 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

4/25/13

Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03191

PCB By 8082

Batch ID: 130410-05	**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 did not meet QC criteria. MS/MSD did not pass QC criteria due to matrix interference.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 021, 022, 023, 024, 025, 026

E13-03191

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- Sample #026 was run with 5x dilution due ti high concentration of the target compound, it did not pass NJ SRS criteria. The rest of the samples were run straight.

4/19/2013

Signature Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03191

PCB By 8082

Batch ID: 130411-04	**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 did not meet QC criteria. MS/MSD did not meet QC criteria due to a high concentration of 1260 in the sample.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 027, 028, 029, 030, 031, 032, 033, 034, 035, 036

E13-03191

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- For samples 03191 -028, -036 a 2x dilution was performed for sample -027 a 5x dilution was performed for sample -031 a 100x dilution was performed and for sample -034 a 250x dilution was performed due to a high concentration of the target compound. No dilution was performed for sample -035.

4/16/2013

Signature Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03191

PCB By 8082

Batch ID: 130411-14	**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: 037, 038, 039

E13-03191

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution performed for samples 03191-037, -038, -039.

4/16/2013

Signature Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03191

PCB By 8082

Batch ID: 130410-04	**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: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020

E13-03191

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- Sample #009 was run with 5x dilution: samples #004, 005, 006, 008 were run with 10x dil.; samples # 007, 016 were run with 20x dil.; sample #010 was run with 200x dil; sample 011 was run with 1000x dil. All dilutions were performed due to high concentration of the target compound. All of those samples did not pass NJ SRS criteria. The rest of the samples for job 03191, batch 130410-04 were run straight.

Signature 4/17/2013
Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03191

PCB By 8082

Batch ID: 130410-06	**Matrix: Aqueous**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery met QC criteria.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 040
- The following samples were cleaned up using method 3665A: 040

E13-03191

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution performed for sample 03191-040.

4/15/2013

Signature Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03191

PCB By 8082

Batch ID: 130411-04	**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 did not meet QC criteria. MS/MSD did not meet QC criteria due to a high concentration of 1260 from the sample.
- RPD between MS/MSD met QC criteria.
- The RPD between the primary and secondary column was >40% for the following samples: 03191 -029, -030. -032. Per SW-846 8000C, the lower of the two concentrations was reported.
- The following samples were cleaned up using method 3660B to remove sulfur: 027, 028, 029, 030, 031, 032, 033, 034, 035, 036

E13-03191

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- No dilution was performed for samples 03191 -029, -030, -032, -033.

4/15/2013

Signature Date

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03191

Lab ID:	**03191-040**		
Client ID:	**FB-66**		
Matrix:	**Aqueous**		
Sampled Date	**4/9/13**		
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:	**03191-001**			**03191-002**			**03191-003**			**03191-004**		
Client ID:	**R-13S(0-2.0)**			**R-13S(2.0-4.0)**			**T-8N(0-2.0)**			**T-8W(0-2.0)**		
Depth:	**0/2.0**			**2.0/4.0**			**0/2.0**			**0/2.0**		
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**		
Sampled Date	**4/9/13**			**4/9/13**			**4/9/13**			**4/9/13**		
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		0.018	ND		0.018	ND		0.017	ND		0.191
Aroclor-1221	ND		0.018	ND		0.018	ND		0.017	ND		0.191
Aroclor-1232	ND		0.018	ND		0.018	ND		0.017	ND		0.191
Aroclor-1242	ND		0.018	ND		0.018	ND		0.017	ND		0.191
Aroclor-1248	3.42		0.018	0.033	J	0.018	2.02		0.017	36.5		0.191
Aroclor-1254	ND		0.018	ND		0.018	ND		0.017	ND		0.191
Aroclor-1260	ND		0.018	ND		0.018	ND		0.017	ND		0.191
Aroclor-1262	ND		0.018	ND		0.018	ND		0.017	ND		0.191
Aroclor-1268	ND		0.018	ND		0.018	ND		0.017	ND		0.191
PCBs	3.42		0.018	0.033	J	0.018	2.02		0.017	36.5		0.191

Lab ID:	**03191-005**			**03191-006**			**03191-007**			**03191-008**		
Client ID:	**T-8S(0-2.0)**			**T-8E(0-2.0)**			**R-16N(0-2.0)**			**R-16E(0-2.0)**		
Depth:	**0/2.0**			**0/2.0**			**0/2.0**			**0/2.0**		
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**		
Sampled Date	**4/9/13**			**4/9/13**			**4/9/13**			**4/9/13**		
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		0.188	ND		0.173	ND		0.392	ND		0.172
Aroclor-1221	ND		0.188	ND		0.173	ND		0.392	ND		0.172
Aroclor-1232	ND		0.188	ND		0.173	ND		0.392	ND		0.172
Aroclor-1242	ND		0.188	ND		0.173	ND		0.392	ND		0.172
Aroclor-1248	31.9		0.188	23.7		0.173	78.9		0.392	34.9		0.172
Aroclor-1254	ND		0.188	ND		0.173	ND		0.392	ND		0.172
Aroclor-1260	ND		0.188	ND		0.173	ND		0.392	ND		0.172
Aroclor-1262	ND		0.188	ND		0.173	ND		0.392	ND		0.172
Aroclor-1268	ND		0.188	ND		0.173	ND		0.392	ND		0.172
PCBs	31.9		0.188	23.7		0.173	78.9		0.392	34.9		0.172

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.: E13-03191

Lab ID:	03191-009			03191-010			03191-011			03191-012		
Client ID:	R-17N(0-2.0)			R-17N(2.0-4.0)			R-17N(4.0-6.0)			R-17E(2.0-4.0)		
Depth:	0/2.0			2.0/4.0			4.0/6.0			2.0/4.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/9/13			4/9/13			4/9/13			4/9/13		
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		0.081	ND		3.29	ND		18.5	ND		0.016
Aroclor-1221	ND		0.081	ND		3.29	ND		18.5	ND		0.016
Aroclor-1232	ND		0.081	ND		3.29	ND		18.5	ND		0.016
Aroclor-1242	ND		0.081	ND		3.29	ND		18.5	ND		0.016
Aroclor-1248	14.6		0.081	1010		3.29	3070		18.5	0.086		0.016
Aroclor-1254	ND		0.081	ND		3.29	ND		18.5	ND		0.016
Aroclor-1260	ND		0.081	ND		3.29	ND		18.5	ND		0.016
Aroclor-1262	ND		0.081	ND		3.29	ND		18.5	ND		0.016
Aroclor-1268	ND		0.081	ND		3.29	ND		18.5	ND		0.016
PCBs	14.6		0.081	1010		3.29	3070		18.5	0.086		0.016

Lab ID:	03191-013			03191-014			03191-015			03191-016		
Client ID:	R-17E(4.0-6.0)			R-17S(2.0-4.0)			R-17S(4.0-6.0)			R-18E(0-2.0)		
Depth:	4.0/6.0			2.0/4.0			4.0/6.0			0/2.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/9/13			4/9/13			4/9/13			4/9/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.025	ND		0.018	ND		0.030	ND		0.330
Aroclor-1221	ND		0.025	ND		0.018	ND		0.030	ND		0.330
Aroclor-1232	ND		0.025	ND		0.018	ND		0.030	ND		0.330
Aroclor-1242	ND		0.025	ND		0.018	ND		0.030	ND		0.330
Aroclor-1248	1.25		0.025	0.086		0.018	0.506		0.030	67.3		0.330
Aroclor-1254	ND		0.025	ND		0.018	ND		0.030	ND		0.330
Aroclor-1260	ND		0.025	ND		0.018	ND		0.030	ND		0.330
Aroclor-1262	ND		0.025	ND		0.018	ND		0.030	ND		0.330
Aroclor-1268	ND		0.025	ND		0.018	ND		0.030	ND		0.330
PCBs	1.25		0.025	0.086		0.018	0.506		0.030	67.3		0.330

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03191

Lab ID:	03191-017			03191-018			03191-019			03191-020		
Client ID:	R-18E(4.0-6.0)			R-18S(0-2.0)			R-18S(4.0-6.0)			Q-18E(0-2.0)		
Depth:	4.0/6.0			0/2.0			4.0/6.0			0/2.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/9/13			4/9/13			4/9/13			4/9/13		
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		0.018	ND		0.017	ND		0.019	ND		0.017
Aroclor-1221	ND		0.018	ND		0.017	ND		0.019	ND		0.017
Aroclor-1232	ND		0.018	ND		0.017	ND		0.019	ND		0.017
Aroclor-1242	ND		0.018	ND		0.017	ND		0.019	ND		0.017
Aroclor-1248	0.048		0.018	0.984		0.017	0.048		0.019	0.157		0.017
Aroclor-1254	ND		0.018	ND		0.017	ND		0.019	ND		0.017
Aroclor-1260	ND		0.018	ND		0.017	ND		0.019	ND		0.017
Aroclor-1262	ND		0.018	ND		0.017	ND		0.019	ND		0.017
Aroclor-1268	ND		0.018	ND		0.017	ND		0.019	ND		0.017
PCBs	0.048		0.018	0.984		0.017	0.048		0.019	0.157		0.017

Lab ID:	03191-021			03191-022			03191-023			03191-024		
Client ID:	Q-18E(4.0-5.0)			Q-18E(5.0-6.0)			Q-18E(2.0-4.0)			Q-18S(0-2.0)		
Depth:	4.0/5.0			5.0/6.0			2.0/4.0			0/2.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/9/13			4/9/13			4/9/13			4/9/13		
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		0.062	ND		0.018	ND		0.016	ND		0.016
Aroclor-1221	ND		0.062	ND		0.018	ND		0.016	ND		0.016
Aroclor-1232	ND		0.062	ND		0.018	ND		0.016	ND		0.016
Aroclor-1242	ND		0.062	ND		0.018	ND		0.016	ND		0.016
Aroclor-1248	ND		0.062	ND		0.018	ND		0.016	2.83		0.016
Aroclor-1254	ND		0.062	ND		0.018	ND		0.016	ND		0.016
Aroclor-1260	ND		0.062	ND		0.018	ND		0.016	ND		0.016
Aroclor-1262	ND		0.062	ND		0.018	ND		0.016	ND		0.016
Aroclor-1268	ND		0.062	ND		0.018	ND		0.016	ND		0.016
PCBs	ND		0.062	ND		0.018	ND		0.016	2.83		0.016

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03191

Lab ID:	03191-025			03191-026			03191-027			03191-028		
Client ID:	Q-18S(2.0-4.0)			Q-18W(0-2.0)			Q-18W(2.0-4.0)			Q-18W(4.0-6.0)		
Depth:	2.0/4.0			0/2.0			2.0/4.0			4.0/6.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/9/13			4/9/13			4/9/13			4/9/13		
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		0.017	ND		0.093	ND		0.080	ND		0.087
Aroclor-1221	ND		0.017	ND		0.093	ND		0.080	ND		0.087
Aroclor-1232	ND		0.017	ND		0.093	ND		0.080	ND		0.087
Aroclor-1242	ND		0.017	ND		0.093	ND		0.080	ND		0.087
Aroclor-1248	1.23		0.017	22.9		0.093	20.0		0.080	21.8		0.087
Aroclor-1254	ND		0.017	ND		0.093	ND		0.080	ND		0.087
Aroclor-1260	ND		0.017	ND		0.093	ND		0.080	ND		0.087
Aroclor-1262	ND		0.017	ND		0.093	ND		0.080	ND		0.087
Aroclor-1268	ND		0.017	ND		0.093	ND		0.080	ND		0.087
PCBs	1.23		0.017	22.9		0.093	20.0		0.080	21.8		0.087

Lab ID:	03191-029			03191-030			03191-031			03191-032		
Client ID:	Q-17S(4.0-5.0)			Q-17S(5.0-6.0)			Q-17E(0-2.0)			Q-17E(4.0-5.0)		
Depth:	4.0/5.0			5.0/6.0			0/2.0			4.0/5.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/9/13			4/9/13			4/9/13			4/9/13		
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		0.046	ND		0.017	ND		1.71	ND		0.054
Aroclor-1221	ND		0.046	ND		0.017	ND		1.71	ND		0.054
Aroclor-1232	ND		0.046	ND		0.017	ND		1.71	ND		0.054
Aroclor-1242	0.334		0.046	0.127		0.017	ND		1.71	1.18		0.054
Aroclor-1248	ND		0.046	ND		0.017	724		1.71	ND		0.054
Aroclor-1254	ND		0.046	ND		0.017	ND		1.71	ND		0.054
Aroclor-1260	ND		0.046	ND		0.017	ND		1.71	ND		0.054
Aroclor-1262	ND		0.046	ND		0.017	ND		1.71	ND		0.054
Aroclor-1268	ND		0.046	ND		0.017	ND		1.71	ND		0.054
PCBs	0.334		0.046	0.127		0.017	724		1.71	1.18		0.054

Lab ID:	03191-033			03191-034			03191-035			03191-036		
Client ID:	Q-17E(5.0-6.0)			Q-17N(0-2.0)			Q-17N(2.0-4.0)			Q-17N(4.0-5.0)		
Depth:	5.0/6.0			0/2.0			2.0/4.0			4.0/5.0		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/9/13			4/9/13			4/9/13			4/9/13		
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		0.017	ND		4.75	ND		0.017	ND		0.098
Aroclor-1221	ND		0.017	ND		4.75	ND		0.017	ND		0.098
Aroclor-1232	ND		0.017	ND		4.75	ND		0.017	ND		0.098
Aroclor-1242	ND		0.017	ND		4.75	ND		0.017	ND		0.098
Aroclor-1248	ND		0.017	2190		4.75	4.80		0.017	24.9		0.098
Aroclor-1254	ND		0.017	ND		4.75	ND		0.017	ND		0.098
Aroclor-1260	ND		0.017	ND		4.75	ND		0.017	ND		0.098
Aroclor-1262	ND		0.017	ND		4.75	ND		0.017	ND		0.098
Aroclor-1268	ND		0.017	ND		4.75	ND		0.017	ND		0.098
PCBs	ND		0.017	2190		4.75	4.80		0.017	24.9		0.098

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.: E13-03191

Lab ID:	**03191-037**			**03191-038**			**03191-039**	
Client ID:	**Q-17N(5.0-6.0)**			**Q-16W(0-2.0)**			**Q-16W(2.0-4.0)**	
Depth:	**5.0/6.0**			**0/2.0**			**2.0/4.0**	
Matrix:	**Soil**			**Soil**			**Soil**	
Sampled Date	**4/9/13**			**4/9/13**			**4/9/13**	
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.019	ND		0.018	ND		0.022
Aroclor-1221	ND		0.019	ND		0.018	ND		0.022
Aroclor-1232	ND		0.019	ND		0.018	ND		0.022
Aroclor-1242	ND		0.019	ND		0.018	ND		0.022
Aroclor-1248	0.417		0.019	1.08		0.018	4.70		0.022
Aroclor-1254	ND		0.019	ND		0.018	ND		0.022
Aroclor-1260	ND		0.019	ND		0.018	ND		0.022
Aroclor-1262	ND		0.019	ND		0.018	ND		0.022
Aroclor-1268	ND		0.019	ND		0.018	ND		0.022
PCBs	0.417		0.019	1.08		0.018	4.70		0.022

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-001
Client ID: R-13S(0-2.
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8715.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.03g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	3.42		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	3.42		0.045	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-002
Client ID: R-13S(2.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8716.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 14.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.044	0.018
Aroclor-1221	ND		0.044	0.018
Aroclor-1232	ND		0.044	0.018
Aroclor-1242	ND		0.044	0.018
Aroclor-1248	0.033	J	0.044	0.018
Aroclor-1254	ND		0.044	0.018
Aroclor-1260	ND		0.044	0.018
Aroclor-1262	ND		0.044	0.018
Aroclor-1268	ND		0.044	0.018
PCBs	0.033	J	0.044	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-003
Client ID: T-8N(0-2.0
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8717.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.65g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.1

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	2.02		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	2.02		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-004
Client ID: T-8W(0-2.0
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/15/2013
Data file: R8781.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.01g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 16.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.476	0.191
Aroclor-1221	ND		0.476	0.191
Aroclor-1232	ND		0.476	0.191
Aroclor-1242	ND		0.476	0.191
Aroclor-1248	36.5		0.476	0.191
Aroclor-1254	ND		0.476	0.191
Aroclor-1260	ND		0.476	0.191
Aroclor-1262	ND		0.476	0.191
Aroclor-1268	ND		0.476	0.191
PCBs	36.5		0.476	0.191

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-005
Client ID: T-8S(0-2.0
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/15/2013
Data file: R8782.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.09g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 16.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.470	0.188
Aroclor-1221	ND		0.470	0.188
Aroclor-1232	ND		0.470	0.188
Aroclor-1242	ND		0.470	0.188
Aroclor-1248	31.9		0.470	0.188
Aroclor-1254	ND		0.470	0.188
Aroclor-1260	ND		0.470	0.188
Aroclor-1262	ND		0.470	0.188
Aroclor-1268	ND		0.470	0.188
PCBs	31.9		0.470	0.188

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-006
Client ID: T-8E(0-2.0
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/15/2013
Data file: R8783.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.44g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 15.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.433	0.173
Aroclor-1221	ND		0.433	0.173
Aroclor-1232	ND		0.433	0.173
Aroclor-1242	ND		0.433	0.173
Aroclor-1248	23.7		0.433	0.173
Aroclor-1254	ND		0.433	0.173
Aroclor-1260	ND		0.433	0.173
Aroclor-1262	ND		0.433	0.173
Aroclor-1268	ND		0.433	0.173
PCBs	23.7		0.433	0.173

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-007
Client ID: R-16N(0-2.
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/16/2013
Data file: R8831.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.01g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 20
% Moisture: 18.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.980	0.392
Aroclor-1221	ND		0.980	0.392
Aroclor-1232	ND		0.980	0.392
Aroclor-1242	ND		0.980	0.392
Aroclor-1248	78.9		0.980	0.392
Aroclor-1254	ND		0.980	0.392
Aroclor-1260	ND		0.980	0.392
Aroclor-1262	ND		0.980	0.392
Aroclor-1268	ND		0.980	0.392
PCBs	78.9		0.980	0.392

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-008
Client ID: R-16E(0-2.
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/15/2013
Data file: R8785.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.08g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 8.30

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.429	0.172
Aroclor-1221	ND		0.429	0.172
Aroclor-1232	ND		0.429	0.172
Aroclor-1242	ND		0.429	0.172
Aroclor-1248	34.9		0.429	0.172
Aroclor-1254	ND		0.429	0.172
Aroclor-1260	ND		0.429	0.172
Aroclor-1262	ND		0.429	0.172
Aroclor-1268	ND		0.429	0.172
PCBs	34.9		0.429	0.172

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-009
Client ID: R-17N(0-2.
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/15/2013
Data file: R8786.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 7.70

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.203	0.081
Aroclor-1221	ND		0.203	0.081
Aroclor-1232	ND		0.203	0.081
Aroclor-1242	ND		0.203	0.081
Aroclor-1248	14.6		0.203	0.081
Aroclor-1254	ND		0.203	0.081
Aroclor-1260	ND		0.203	0.081
Aroclor-1262	ND		0.203	0.081
Aroclor-1268	ND		0.203	0.081
PCBs	14.6		0.203	0.081

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-010
Client ID: R-17N(2.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/16/2013
Data file: R8832.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.44g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 200
% Moisture: 10.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		8.23	3.29
Aroclor-1221	ND		8.23	3.29
Aroclor-1232	ND		8.23	3.29
Aroclor-1242	ND		8.23	3.29
Aroclor-1248	1010		8.23	3.29
Aroclor-1254	ND		8.23	3.29
Aroclor-1260	ND		8.23	3.29
Aroclor-1262	ND		8.23	3.29
Aroclor-1268	ND		8.23	3.29
PCBs	1010		8.23	3.29

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-011
Client ID: R-17N(4.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/16/2013
Data file: R8833.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.28g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 17.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		46.1	18.5
Aroclor-1221	ND		46.1	18.5
Aroclor-1232	ND		46.1	18.5
Aroclor-1242	ND		46.1	18.5
Aroclor-1248	3070		46.1	18.5
Aroclor-1254	ND		46.1	18.5
Aroclor-1260	ND		46.1	18.5
Aroclor-1262	ND		46.1	18.5
Aroclor-1268	ND		46.1	18.5
PCBs	3070		46.1	18.5

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-012
Client ID: R-17E(2.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/15/2013
Data file: R8780.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.56g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.40

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	0.086		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	0.086		0.040	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-013
Client ID: R-17E(4.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8727.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.73g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 45.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.064	0.025
Aroclor-1221	ND		0.064	0.025
Aroclor-1232	ND		0.064	0.025
Aroclor-1242	ND		0.064	0.025
Aroclor-1248	1.25		0.064	0.025
Aroclor-1254	ND		0.064	0.025
Aroclor-1260	ND		0.064	0.025
Aroclor-1262	ND		0.064	0.025
Aroclor-1268	ND		0.064	0.025
PCBs	1.25		0.064	0.025

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-014
Client ID: R-17S(2.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8728.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.03g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 10.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	0.086		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	0.086		0.045	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-015
Client ID: R-17S(4.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8729.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.12g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 47.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.075	0.030
Aroclor-1221	ND		0.075	0.030
Aroclor-1232	ND		0.075	0.030
Aroclor-1242	ND		0.075	0.030
Aroclor-1248	0.506		0.075	0.030
Aroclor-1254	ND		0.075	0.030
Aroclor-1260	ND		0.075	0.030
Aroclor-1262	ND		0.075	0.030
Aroclor-1268	ND		0.075	0.030
PCBs	0.506		0.075	0.030

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-016
Client ID: R-18E(0-2.
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/16/2013
Data file: R8873.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.54g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 20
% Moisture: 12.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.826	0.330
Aroclor-1221	ND		0.826	0.330
Aroclor-1232	ND		0.826	0.330
Aroclor-1242	ND		0.826	0.330
Aroclor-1248	67.3		0.826	0.330
Aroclor-1254	ND		0.826	0.330
Aroclor-1260	ND		0.826	0.330
Aroclor-1262	ND		0.826	0.330
Aroclor-1268	ND		0.826	0.330
PCBs	67.3		0.826	0.330

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-017
Client ID: R-18E(4.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8731.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.52g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.045	0.018
Aroclor-1221	ND		0.045	0.018
Aroclor-1232	ND		0.045	0.018
Aroclor-1242	ND		0.045	0.018
Aroclor-1248	0.048		0.045	0.018
Aroclor-1254	ND		0.045	0.018
Aroclor-1260	ND		0.045	0.018
Aroclor-1262	ND		0.045	0.018
Aroclor-1268	ND		0.045	0.018
PCBs	0.048		0.045	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-018
Client ID: R-18S(0-2.
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8732.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.33g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 13.3

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	0.984		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	ND		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	0.984		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-019
Client ID: R-18S(4.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8733.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.44g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.046	0.019
Aroclor-1221	ND		0.046	0.019
Aroclor-1232	ND		0.046	0.019
Aroclor-1242	ND		0.046	0.019
Aroclor-1248	0.048		0.046	0.019
Aroclor-1254	ND		0.046	0.019
Aroclor-1260	ND		0.046	0.019
Aroclor-1262	ND		0.046	0.019
Aroclor-1268	ND		0.046	0.019
PCBs	0.048		0.046	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-020
Client ID: Q-18E(0-2.
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8734.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.18g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 7.40

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	0.157		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	0.157		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-021
Client ID: Q-18E(4.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/11/2013
Data file: R8639.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.11g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 74.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.154	0.062
Aroclor-1221	ND		0.154	0.062
Aroclor-1232	ND		0.154	0.062
Aroclor-1242	ND		0.154	0.062
Aroclor-1248	ND		0.154	0.062
Aroclor-1254	ND		0.154	0.062
Aroclor-1260	ND		0.154	0.062
Aroclor-1262	ND		0.154	0.062
Aroclor-1268	ND		0.154	0.062
PCBs	ND		0.154	0.062

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-022
Client ID: Q-18E(5.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/11/2013
Data file: R8640.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 19.2

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-023
Client ID: Q-18E(2.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/11/2013
Data file: R8641.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.64g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.80

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	ND		0.039	0.016
Aroclor-1254	ND		0.039	0.016
Aroclor-1260	ND		0.039	0.016
Aroclor-1262	ND		0.039	0.016
Aroclor-1268	ND		0.039	0.016
PCBs	ND		0.039	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-024
Client ID: Q-18S(0-2.
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/11/2013
Data file: R8642.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.53g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 8.90

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	2.83		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	2.83		0.040	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-025
Client ID: Q-18S(2.0-
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/11/2013
Data file: R8643.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.22g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.0

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	1.23		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	ND		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	1.23		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-026
Client ID: Q-18W(0-2.
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/11/2013
Data file: R8621.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.04g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 14.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.231	0.093
Aroclor-1221	ND		0.231	0.093
Aroclor-1232	ND		0.231	0.093
Aroclor-1242	ND		0.231	0.093
Aroclor-1248	22.9		0.231	0.093
Aroclor-1254	ND		0.231	0.093
Aroclor-1260	ND		0.231	0.093
Aroclor-1262	ND		0.231	0.093
Aroclor-1268	ND		0.231	0.093
PCBs	22.9		0.231	0.093

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-027
Client ID: Q-18W(2.0-
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: Y7211.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 10.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.201	0.080
Aroclor-1221	ND		0.201	0.080
Aroclor-1232	ND		0.201	0.080
Aroclor-1242	ND		0.201	0.080
Aroclor-1248	20.0		0.201	0.080
Aroclor-1254	ND		0.201	0.080
Aroclor-1260	ND		0.201	0.080
Aroclor-1262	ND		0.201	0.080
Aroclor-1268	ND		0.201	0.080
PCBs	20.0		0.201	0.080

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-028
Client ID: Q-18W(4.0-
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: Y7212.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.18g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 2
% Moisture: 64.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.218	0.087
Aroclor-1221	ND		0.218	0.087
Aroclor-1232	ND		0.218	0.087
Aroclor-1242	ND		0.218	0.087
Aroclor-1248	21.8		0.218	0.087
Aroclor-1254	ND		0.218	0.087
Aroclor-1260	ND		0.218	0.087
Aroclor-1262	ND		0.218	0.087
Aroclor-1268	ND		0.218	0.087
PCBs	21.8		0.218	0.087

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-029
Client ID: Q-17S(4.0-
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: Y7157.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.43g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 68.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.116	0.046
Aroclor-1221	ND		0.116	0.046
Aroclor-1232	ND		0.116	0.046
Aroclor-1242	0.334		0.116	0.046
Aroclor-1248	ND		0.116	0.046
Aroclor-1254	ND		0.116	0.046
Aroclor-1260	ND		0.116	0.046
Aroclor-1262	ND		0.116	0.046
Aroclor-1268	ND		0.116	0.046
PCBs	0.334		0.116	0.046

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-030
Client ID: Q-17S(5.0-
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: Y7158.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.85g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.4

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	0.127		0.043	0.017
Aroclor-1248	ND		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	ND		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	0.127		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-031
Client ID: Q-17E(0-2.
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/15/2013
Data file: Y7285.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.21g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 10.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		4.27	1.71
Aroclor-1221	ND		4.27	1.71
Aroclor-1232	ND		4.27	1.71
Aroclor-1242	ND		4.27	1.71
Aroclor-1248	724		4.27	1.71
Aroclor-1254	ND		4.27	1.71
Aroclor-1260	ND		4.27	1.71
Aroclor-1262	ND		4.27	1.71
Aroclor-1268	ND		4.27	1.71
PCBs	724		4.27	1.71

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-032
Client ID: Q-17E(4.0-
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: Y7160.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.62g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 73.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.135	0.054
Aroclor-1221	ND		0.135	0.054
Aroclor-1232	ND		0.135	0.054
Aroclor-1242	1.18		0.135	0.054
Aroclor-1248	ND		0.135	0.054
Aroclor-1254	ND		0.135	0.054
Aroclor-1260	ND		0.135	0.054
Aroclor-1262	ND		0.135	0.054
Aroclor-1268	ND		0.135	0.054
PCBs	1.18		0.135	0.054

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-033
Client ID: Q-17E(5.0-
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: Y7161.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.81g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 20.4

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	ND		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	ND		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	ND		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-034
Client ID: Q-17N(0-2.
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/15/2013
Data file: Y7286.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 250
% Moisture: 19.6

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		11.9	4.75
Aroclor-1221	ND		11.9	4.75
Aroclor-1232	ND		11.9	4.75
Aroclor-1242	ND		11.9	4.75
Aroclor-1248	2190		11.9	4.75
Aroclor-1254	ND		11.9	4.75
Aroclor-1260	ND		11.9	4.75
Aroclor-1262	ND		11.9	4.75
Aroclor-1268	ND		11.9	4.75
PCBs	2190		11.9	4.75

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-035
Client ID: Q-17N(2.0-
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: Y7215.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.25g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 10.7

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	4.80		0.043	0.017
Aroclor-1254	ND		0.043	0.017
Aroclor-1260	ND		0.043	0.017
Aroclor-1262	ND		0.043	0.017
Aroclor-1268	ND		0.043	0.017
PCBs	4.80		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-036
Client ID: Q-17N(4.0-
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: Y7216.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.52g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 2
% Moisture: 70.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.246	0.098
Aroclor-1221	ND		0.246	0.098
Aroclor-1232	ND		0.246	0.098
Aroclor-1242	ND		0.246	0.098
Aroclor-1248	24.9		0.246	0.098
Aroclor-1254	ND		0.246	0.098
Aroclor-1260	ND		0.246	0.098
Aroclor-1262	ND		0.246	0.098
Aroclor-1268	ND		0.246	0.098
PCBs	24.9		0.246	0.098

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-037
Client ID: Q-17N(5.0-
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: R8708.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.38g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.4

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	0.417		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	0.417		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-038
Client ID: Q-16W(0-2.
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: R8709.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.39g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.044	0.018
Aroclor-1221	ND		0.044	0.018
Aroclor-1232	ND		0.044	0.018
Aroclor-1242	ND		0.044	0.018
Aroclor-1248	1.08		0.044	0.018
Aroclor-1254	ND		0.044	0.018
Aroclor-1260	ND		0.044	0.018
Aroclor-1262	ND		0.044	0.018
Aroclor-1268	ND		0.044	0.018
PCBs	1.08		0.044	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-039
Client ID: Q-16W(2.0-
Date Received: 04/09/2013
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: R8710.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.06g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 29.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.056	0.022
Aroclor-1221	ND		0.056	0.022
Aroclor-1232	ND		0.056	0.022
Aroclor-1242	ND		0.056	0.022
Aroclor-1248	4.70		0.056	0.022
Aroclor-1254	ND		0.056	0.022
Aroclor-1260	ND		0.056	0.022
Aroclor-1262	ND		0.056	0.022
Aroclor-1268	ND		0.056	0.022
PCBs	4.70		0.056	0.022

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03191-040
Client ID: FB-66
Date Received: 04/09/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/12/2013
Data file: R8686.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: 03/29/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130328-13	SOIL	123		87		92		67	
SB-5_3-3.5	02707-001	SOIL	106		70		89		73	
SB-5E_2.5-	02707-002	SOIL	113		78		97		86	
SB-5E_3-3.	02707-003	SOIL	125		83		104		86	
SB-5W_2.5-	02707-004	SOIL	92		83		92		85	
SB-5W_3-3.	02707-005	SOIL	100		85		92		81	
SB-5S_2.5-	02707-006	SOIL	115		76		91		94	
SB-5S_3-3.	02707-007	SOIL	113		79		90		100	
SB-5N_2.5-	02707-008	SOIL	114		84		98		118	
SB-5N_3-3.	02707-009	SOIL	111		76		92		85	
PCB	02707-007MS	SOIL	111		73		89		86	
PCB	02707-007MSD	SOIL	113		76		90		91	
PCB	LCSS130328-13	SOIL	114		81		89		97	
MP	02299-001	SOIL	66		65		72		76	
WC1(0-6)/0	02650-001	SOIL	50		60		63		77	
WC1(6-8)/6	02650-002	SOIL	48		66		63		71	
WC1(8-14)/	02650-003	SOIL	46		56		61		61	
SB60WC/0-1	02650-004	SOIL	72		74		85		80	

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: 04/11/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130411-04	SOIL	69		70		74		66	
S-1	03215-001	SOIL	36		44		54		54	
S-2	03215-002	SOIL	61		47		71		58	
S-3	03215-003	SOIL	58		49		70		68	
S-4	03215-004	SOIL	58		52		75		63	
S-5	03215-005	SOIL	30		71		48		62	
C-1	03242-001	SOLID	31		39		50		59	
C-2	03242-002	SOLID	55		49		68		72	
C-3	03242-003	SOLID	58		45		69		63	
C-4	03242-004	SOLID	60		47		70		70	
C-5	03242-005	SOLID	32		40		46		55	
Q-17S(4.0-	03191-029	SOIL	76		71		90		86	
Q-17S(5.0-	03191-030	SOIL	65		59		74		81	
Q-17E(4.0-	03191-032	SOIL	77		75		94		87	
Q-17E(5.0-	03191-033	SOIL	65		58		75		69	
PCB	03215-001MS	SOIL	36		44		53		60	
PCB	03215-001MSD	SOIL	34		45		53		66	
PCB	LCSS130411-04	SOIL	61		51		71		56	

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: 04/12/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130411-04	SOIL	77		85		69		92	
Q-18W(2.0-	03191-027	SOIL	85		82		71		94	
Q-18W(4.0-	03191-028	SOIL	91		109		81		110	
Q-17N(2.0-	03191-035	SOIL	74		85		68		96	
Q-17N(4.0-	03191-036	SOIL	90		103		82		101	
PCB	LCSS130411-04	SOIL	77		77		68		95	
Q-17E(0-2.	03191-031	SOIL	100		90		90		150	
Q-17N(0-2.	03191-034	SOIL	125		125		100		150	

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: 04/11/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130410-05	SOIL	79		77		85		81	
SB3A/2.5-3	02676-001	SOIL	61		63		65		71	
Q-18W(0-2.	03191-026	SOIL	80		67		83		69	
PCB	03191-026MS	SOIL	81		92		87		128	
PCB	03191-026MSD	SOIL	78		88		84		88	
PCB	LCSS130410-05	SOIL	79		76		84		77	
AOC-29C-PE	03128-024	SOIL	80		87		86		95	
AOC-29C-PE	03128-025	SOIL	78		72		84		83	
AOC-29C-PE	03128-026	SOIL	76		77		83		83	
AOC-29C-PE	03128-027	SOIL	76		72		83		75	
AOC-1-PEX-	03128-030	SOIL	80		74		86		80	
AOC-1-PEX-	03128-031	SOIL	81		78		87		81	
AOC-1-PEX-	03128-032	SOIL	81		78		87		80	
AOC-1-PEX-	03128-033	SOIL	80		78		87		80	
AOC-1-PEX-	03128-034	SOIL	78		73		84		75	
AOC-3-PEX-	03128-035	SOIL	79		73		85		77	
AOC-3-PEX-	03128-036	SOIL	78		86		84		94	
AOC-3-PEX-	03128-037	SOIL	78		79		85		84	
WC-1	03192-001	SOIL	80		83		86		77	
Q-18E(4.0-	03191-021	SOIL	99		96		107		96	
Q-18E(5.0-	03191-022	SOIL	81		75		87		78	
Q-18E(2.0-	03191-023	SOIL	84		81		89		87	
Q-18S(0-2.	03191-024	SOIL	77		72		83		79	
Q-18S(2.0-	03191-025	SOIL	77		72		82		78	

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: 04/12/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKA130410-06	AQUEOUS	74		81		79		95	
ES-MW-19B	03057-001	AQUEOUS	53		87		58		89	
FB-63	03068-028	AQUEOUS	63		70		68		83	
FB-64	03119-029	AQUEOUS	63		71		68		83	
FB-65	03153-027	AQUEOUS	63		72		67		78	
FB-66	03191-040	AQUEOUS	64		73		69		88	
PCB	03057-001MS	AQUEOUS	58		79		61		82	
PCB	03057-001MSD	AQUEOUS	55		74		59		79	
PCB	LCSA130410-06	AQUEOUS	67		78		71		79	

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: 04/12/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130411-14	SOIL	76		73		82		80	
OWS-5/7.5-	02767-005	SOIL	80		78		86		87	
SEDIMENT_C	02326-020	SOIL	94		95		102		99	
Q-17N(5.0-	03191-037	SOIL	85		76		88		83	
Q-16W(0-2.	03191-038	SOIL	78		72		85		80	
Q-16W(2.0-	03191-039	SOIL	78		77		84		86	
PCB	LCSS130411-14	SOIL	77		75		82		83	

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: 04/13/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130410-04	SOIL	76		76		82		80	
R-13S(0-2.	03191-001	SOIL	75		75		81		90	
R-13S(2.0-	03191-002	SOIL	77		78		83		83	
T-8N(0-2.0	03191-003	SOIL	77		87		82		79	
R-17E(4.0-	03191-013	SOIL	90		114		98		120	
R-17S(2.0-	03191-014	SOIL	75		84		81		104	
R-17S(4.0-	03191-015	SOIL	85		92		92		98	
R-18E(4.0-	03191-017	SOIL	77		100		86		92	
R-18S(0-2.	03191-018	SOIL	70		88		80		87	
R-18S(4.0-	03191-019	SOIL	78		74		84		82	
Q-18E(0-2.	03191-020	SOIL	71		72		77		76	
PCB	03191-020MS	SOIL	72		71		78		81	
PCB	03191-020MSD	SOIL	73		83		79		78	
PCB	LCSS130410-04	SOIL	76		75		81		78	
R-17E(2.0-	03191-012	SOIL	69		70		82		81	
T-8W(0-2.0	03191-004	SOIL	71		86		84		89	
T-8S(0-2.0	03191-005	SOIL	70		79		86		74	
T-8E(0-2.0	03191-006	SOIL	72		77		84		109	
R-16E(0-2.	03191-008	SOIL	71		71		82		84	
R-17N(0-2.	03191-009	SOIL	73		70		83		83	
R-16N(0-2.	03191-007	SOIL	70		74		82		78	
R-17N(2.0-	03191-010	SOIL	80		80		100		120	
R-17N(4.0-	03191-011	SOIL	100		100		100		100	
R-18E(0-2.	03191-016	SOIL	76		68		88		82	

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: LCSS130411-14

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	606.9	121	40 - 140
Aroclor-1260	500.0	0.0	532.0	106	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: LCSS130411-04

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	448.8	90	40 - 140
Aroclor-1260	500.0	0.0	328.2	66	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: LCSS130411-04

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	564.8	113	40 - 140
Aroclor-1260	500.0	0.0	584.7	117	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: LCSS130410-05

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	589.8	118	40 - 140
Aroclor-1260	500.0	0.0	513.9	103	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: LCSA130410-06

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	459.0	92	40 - 140
Aroclor-1260	500.0	0.0	415.8	83	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: LCSS130410-04

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	597.8	120	40 - 140
Aroclor-1260	500.0	0.0	511.0	102	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 MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Matrix spike Lab sample ID: 02707-007

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	551.5	110	40 - 140
Aroclor-1260	500.0	0.0	493.0	99	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	540.0	108	2	50	40 - 140
Aroclor-1260	0.0	527.1	105	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: 03215-001

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	228.3	46	40 - 140
Aroclor-1260	500.0	205.6	363.6	32 *	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	209.3		42	9	50	40 - 140
Aroclor-1260	205.6	321.2	*	23	33	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: __2___ out of __4__ outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 03191-026

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC	#	QC LIMITS REC.
Aroclor-1016	500.0	0.0	1803.2	361	*	40 - 140
Aroclor-1260	500.0	0.0	579.1	116		40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	#	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	1317.7	*	264	31		50	40 - 140
Aroclor-1260	0.0	555.6		111	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: __2___ out of __4__ outside limits

AQUEOUS PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 03057-001

Compound	SPIKE ADDED (ug/L)	SAMPLE CONC. (ug/L)	MS CONC. (ug/L)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	443.2	89	40 - 140
Aroclor-1260	500.0	0.0	434.5	87	40 - 140

Compound	SAMPLE CONC. (ug/L)	MSD CONC. (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	437.4	87	2	50	40 - 140
Aroclor-1260	0.0	428.0	86	1	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: 03191-020

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	555.3	111	40 - 140
Aroclor-1260	500.0	0.0	451.5	90	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	563.9	113	2	50	40 - 140
Aroclor-1260	0.0	518.6	104	14	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: Y6831.D

Instrument ID: GC-Y

Date Extracted:

Matrix: -

Date Analyzed: 03/29/2013

Time Analyzed: 13:33

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
PCB	BLKS130328-13	03/29/2013	14:19
SB-5_3-3.5	02707-001	03/29/2013	14:36
SB-5E_2.5-	02707-002	03/29/2013	14:53
SB-5E_3-3.	02707-003	03/29/2013	15:10
SB-5W_2.5-	02707-004	03/29/2013	15:27
SB-5W_3-3.	02707-005	03/29/2013	15:44
SB-5S_2.5-	02707-006	03/29/2013	16:21
SB-5S_3-3.	02707-007	03/29/2013	16:38
SB-5N_2.5-	02707-008	03/29/2013	16:55
SB-5N_3-3.	02707-009	03/29/2013	17:12
PCB	02707-007MS	03/29/2013	17:30
PCB	02707-007MSD	03/29/2013	17:47
PCB	LCSS130328-13	03/29/2013	18:04
MP	02299-001	03/29/2013	19:30
WC1(0-6)/0	02650-001	03/29/2013	19:47
WC1(6-8)/6	02650-002	03/29/2013	20:04
WC1(8-14)/	02650-003	03/29/2013	20:21
SB60WC/0-1	02650-004	03/29/2013	20:38

PCB METHOD BLANK SUMMARY

Lab File ID: Y7144.D

Instrument ID: GC-Y

Date Extracted: 04/11/2013

Matrix: SOIL

Date Analyzed: 04/11/2013

Time Analyzed: 20:54

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
S-1	03215-001	04/11/2013	21:11
S-2	03215-002	04/11/2013	21:28
S-3	03215-003	04/11/2013	21:45
S-4	03215-004	04/11/2013	22:02
S-5	03215-005	04/11/2013	22:20
C-1	03242-001	04/11/2013	22:37
C-2	03242-002	04/11/2013	22:54
C-3	03242-003	04/11/2013	23:11
C-4	03242-004	04/11/2013	23:28
C-5	03242-005	04/11/2013	23:45
Q-17S(4.0-	03191-029	04/12/2013	00:37
Q-17S(5.0-	03191-030	04/12/2013	00:54
Q-17E(4.0-	03191-032	04/12/2013	01:28
Q-17E(5.0-	03191-033	04/12/2013	01:45
PCB	03215-001MS	04/12/2013	02:54
PCB	03215-001MSD	04/12/2013	03:11
PCB	LCSS130411-04	04/12/2013	04:03

PCB METHOD BLANK SUMMARY

Lab File ID: R8619.D

Instrument ID: GC-R

Date Extracted: 04/10/2013

Matrix: SOIL

Date Analyzed: 04/11/2013

Time Analyzed: 15:11

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
SB3A/2.5-3	02676-001	04/11/2013	15:28
Q-18W(0-2.	03191-026	04/11/2013	15:46
PCB	03191-026MS	04/11/2013	16:03
PCB	03191-026MSD	04/11/2013	16:21
PCB	LCSS130410-05	04/11/2013	16:38
AOC-29C-PE	03128-024	04/11/2013	17:15
AOC-29C-PE	03128-025	04/11/2013	17:32
AOC-29C-PE	03128-026	04/11/2013	17:49
AOC-29C-PE	03128-027	04/11/2013	18:39
AOC-1-PEX-	03128-030	04/11/2013	18:56
AOC-1-PEX-	03128-031	04/11/2013	19:13
AOC-1-PEX-	03128-032	04/11/2013	19:31
AOC-1-PEX-	03128-033	04/11/2013	19:48
AOC-1-PEX-	03128-034	04/11/2013	20:06
AOC-3-PEX-	03128-035	04/11/2013	20:23
AOC-3-PEX-	03128-036	04/11/2013	20:40
AOC-3-PEX-	03128-037	04/11/2013	20:58
WC-1	03192-001	04/11/2013	21:15
Q-18E(4.0-	03191-021	04/11/2013	21:33
Q-18E(5.0-	03191-022	04/11/2013	21:50
Q-18E(2.0-	03191-023	04/11/2013	22:07
Q-18S(0-2.	03191-024	04/11/2013	22:25
Q-18S(2.0-	03191-025	04/11/2013	22:42

PCB METHOD BLANK SUMMARY

Lab File ID: R8681.D

Instrument ID: GC-R

Date Extracted: 04/10/2013

Matrix: AQUEOUS

Date Analyzed: 04/12/2013

Time Analyzed: 11:47

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
ES-MW-19B	03057-001	04/12/2013	12:05
FB-63	03068-028	04/12/2013	12:22
FB-64	03119-029	04/12/2013	12:39
FB-65	03153-027	04/12/2013	12:57
FB-66	03191-040	04/12/2013	13:14
PCB	03057-001MS	04/12/2013	13:32
PCB	03057-001MSD	04/12/2013	13:49
PCB	LCSA130410-06	04/12/2013	14:07

PCB METHOD BLANK SUMMARY

Lab File ID:	Y7210.D	Instrument ID:	GC-Y
Date Extracted:	04/11/2013	Matrix:	SOIL
Date Analyzed:	04/12/2013	Time Analyzed:	22:01

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
Q-18W(2.0-	03191-027	04/12/2013	22:18
Q-18W(4.0-	03191-028	04/12/2013	22:35
Q-17N(2.0-	03191-035	04/12/2013	23:27
Q-17N(4.0-	03191-036	04/12/2013	23:44
PCB	LCSS130411-04	04/13/2013	00:01
Q-17E(0-2.	03191-031	04/15/2013	12:51
Q-17N(0-2.	03191-034	04/15/2013	13:08

PCB METHOD BLANK SUMMARY

Lab File ID: R8705.D

Instrument ID: GC-R

Date Extracted: 04/11/2013

Matrix: SOIL

Date Analyzed: 04/12/2013

Time Analyzed: 20:36

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
OWS-5/7.5-	02767-005	04/12/2013	20:54
SEDIMENT_C	02326-020	04/12/2013	21:11
Q-17N(5.0-	03191-037	04/12/2013	21:29
Q-16W(0-2.	03191-038	04/12/2013	21:46
Q-16W(2.0-	03191-039	04/12/2013	22:03
PCB	LCSS130411-14	04/12/2013	22:56

PCB METHOD BLANK SUMMARY

Lab File ID: R8714.D

Instrument ID: GC-R

Date Extracted: 04/10/2013

Matrix: SOIL

Date Analyzed: 04/13/2013

Time Analyzed: 00:23

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
R-13S(0-2.	03191-001	04/13/2013	00:40
R-13S(2.0-	03191-002	04/13/2013	00:57
T-8N(0-2.0	03191-003	04/13/2013	01:15
R-17E(4.0-	03191-013	04/13/2013	04:09
R-17S(2.0-	03191-014	04/13/2013	04:26
R-17S(4.0-	03191-015	04/13/2013	04:44
R-18E(4.0-	03191-017	04/13/2013	05:19
R-18S(0-2.	03191-018	04/13/2013	05:36
R-18S(4.0-	03191-019	04/13/2013	05:54
Q-18E(0-2.	03191-020	04/13/2013	06:11
PCB	03191-020MS	04/13/2013	06:28
PCB	03191-020MSD	04/13/2013	06:46
PCB	LCSS130410-04	04/13/2013	07:38
R-17E(2.0-	03191-012	04/15/2013	16:34
T-8W(0-2.0	03191-004	04/15/2013	16:52
T-8S(0-2.0	03191-005	04/15/2013	17:09
T-8E(0-2.0	03191-006	04/15/2013	17:27
R-16E(0-2.	03191-008	04/15/2013	18:01
R-17N(0-2.	03191-009	04/15/2013	18:19
R-16N(0-2.	03191-007	04/16/2013	09:45
R-17N(2.0-	03191-010	04/16/2013	10:02
R-17N(4.0-	03191-011	04/16/2013	10:20
R-18E(0-2.	03191-016	04/16/2013	23:10

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/21/2013

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

Data File: Y6728.D Y6727.D Y6726.D Y6725.D Y6724.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.25	3.25	3.25	3.25	3.25	3.25	3.18	3.32
Aroclor-1016 {2}	4.08	4.08	4.08	4.08	4.08	4.08	4.01	4.15
Aroclor-1016 {3}	4.63	4.63	4.63	4.63	4.63	4.63	4.56	4.70
Aroclor-1016 {4}	5.13	5.13	5.13	5.13	5.13	5.13	5.06	5.20
Aroclor-1016 {5}	5.53	5.52	5.52	5.53	5.52	5.52	5.45	5.59
Aroclor-1221			2.16				2.09	2.23
Aroclor-1221 {2}			3.05				2.98	3.12
Aroclor-1221 {3}			3.18				3.11	3.25
Aroclor-1221 {4}			3.25				3.18	3.32
Aroclor-1221 {5}			3.85				3.78	3.92
Aroclor-1232			3.25				3.18	3.32
Aroclor-1232 {2}			4.07				4.00	4.14
Aroclor-1232 {3}			4.74				4.67	4.81
Aroclor-1232 {4}			5.33				5.26	5.40
Aroclor-1232 {5}			5.52				5.45	5.59
Aroclor-1242			4.08				4.01	4.15
Aroclor-1242 {2}			5.01				4.94	5.08
Aroclor-1242 {3}			5.33				5.26	5.40
Aroclor-1242 {4}			6.03				5.96	6.10
Aroclor-1242 {5}			6.30				6.23	6.37
Aroclor-1248			4.48				4.40	4.56
Aroclor-1248 {2}			5.01				4.93	5.09
Aroclor-1248 {3}			5.33				5.25	5.41
Aroclor-1248 {4}			6.03				5.95	6.11
Aroclor-1248 {5}			6.30				6.22	6.38
Aroclor-1254			6.42				6.34	6.50
Aroclor-1254 {2}			6.85				6.77	6.93
Aroclor-1254 {3}			7.02				6.93	7.11
Aroclor-1254 {4}			7.47				7.38	7.56
Aroclor-1254 {5}			8.30				8.21	8.39
Aroclor-1260	8.31	8.31	8.30	8.30	8.30	8.30	7.40	9.20
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}	9.94	9.94	9.94	9.93	9.93	9.94	9.04	10.84
Aroclor-1260 {5}	11.00	10.99	10.99	10.99	10.99	10.99	10.09	11.89

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/21/2013

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

Data File: Y6728.D Y6727.D Y6726.D Y6725.D Y6724.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	1665673	1836520	1872425	1872821	1640859	1777660	6.46
Aroclor-1016 {2}	2396356	2643555	2714153	2731700	2423414	2581836	6.22
Aroclor-1016 {3}	3329825	3551178	3639212	3666935	3274996	3492429	5.15
Aroclor-1016 {4}	1729537	1987449	2004483	1992835	1824034	1907668	6.51
Aroclor-1016 {5}	2735407	3007087	3079114	3177324	2963436	2992474	5.51
Aroclor-1221			637162				
Aroclor-1221 {2}			1160944				
Aroclor-1221 {3}			728503				
Aroclor-1221 {4}			2662418				
Aroclor-1221 {5}			382676				
Aroclor-1232			1698353				
Aroclor-1232 {2}			999611				
Aroclor-1232 {3}			890927				
Aroclor-1232 {4}			979350				
Aroclor-1232 {5}			1328503				
Aroclor-1242			2077050				
Aroclor-1242 {2}			1327843				
Aroclor-1242 {3}			1912249				
Aroclor-1242 {4}			2983287				
Aroclor-1242 {5}			2588787				
Aroclor-1248			4459829				
Aroclor-1248 {2}			2625067				
Aroclor-1248 {3}			3471742				
Aroclor-1248 {4}			5945013				
Aroclor-1248 {5}			3976079				
Aroclor-1254			6006023				
Aroclor-1254 {2}			3804629				
Aroclor-1254 {3}			7500730				
Aroclor-1254 {4}			7396632				
Aroclor-1254 {5}			7119486				
Aroclor-1260	7502015	8558374	9191928	9473400	8666856	8678514	8.73
Aroclor-1260 {2}	4113620	4283846	4257164	4366388	3793149	4162834	5.43
Aroclor-1260 {3}	10598611	11275345	11725824	12093615	11067557	11352190	5.11
Aroclor-1260 {4}	5172355	5668773	5300259	5557257	5278805	5395490	3.86
Aroclor-1260 {5}	2402549	2846457	3042601	2958294	2643155	2778611	9.29
						Average %RSD	6.23

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/21/2013

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

Data File: Y6728.C Y6727.C Y6726.C Y6725.C Y6724.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.73	3.73	3.73	3.73	3.73	3.73	3.66	3.80
Aroclor-1016 {2}	4.32	4.32	4.32	4.32	4.32	4.32	4.25	4.39
Aroclor-1016 {3}	5.07	5.07	5.07	5.07	5.07	5.07	5.00	5.14
Aroclor-1016 {4}	5.28	5.28	5.28	5.28	5.28	5.28	5.21	5.35
Aroclor-1016 {5}	5.45	5.45	5.45	5.45	5.45	5.45	5.38	5.52
Aroclor-1221			2.42				2.35	2.49
Aroclor-1221 {2}			3.41				3.34	3.48
Aroclor-1221 {3}			3.64				3.57	3.71
Aroclor-1221 {4}			3.73				3.66	3.80
Aroclor-1221 {5}			5.07				5.00	5.14
Aroclor-1232			3.74				3.67	3.81
Aroclor-1232 {2}			4.71				4.64	4.78
Aroclor-1232 {3}			5.28				5.21	5.35
Aroclor-1232 {4}			5.46				5.39	5.53
Aroclor-1232 {5}			6.05				5.98	6.12
Aroclor-1242			4.70				4.63	4.77
Aroclor-1242 {2}			5.45				5.38	5.52
Aroclor-1242 {3}			6.04				5.97	6.11
Aroclor-1242 {4}			6.20				6.13	6.27
Aroclor-1242 {5}			6.75				6.68	6.82
Aroclor-1248			5.07				4.99	5.15
Aroclor-1248 {2}			5.65				5.57	5.73
Aroclor-1248 {3}			6.04				5.96	6.12
Aroclor-1248 {4}			6.20				6.12	6.28
Aroclor-1248 {5}			6.55				6.47	6.63
Aroclor-1254			7.04				6.96	7.12
Aroclor-1254 {2}			7.62				7.54	7.70
Aroclor-1254 {3}			8.25				8.16	8.34
Aroclor-1254 {4}			8.47				8.38	8.56
Aroclor-1254 {5}			9.05				8.96	9.14
Aroclor-1260	7.80	7.80	7.80	7.80	7.80	7.80	6.90	8.70
Aroclor-1260 {2}	8.06	8.06	8.06	8.06	8.06	8.06	7.16	8.96
Aroclor-1260 {3}	9.64	9.64	9.64	9.64	9.64	9.64	8.74	10.54
Aroclor-1260 {4}	10.15	10.15	10.15	10.15	10.15	10.15	9.25	11.05
Aroclor-1260 {5}	10.74	10.74	10.74	10.74	10.74	10.74	9.84	11.64

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/21/2013

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

Data File: Y6728.C Y6727.C Y6726.C Y6725.C Y6724.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	681579	654429	546587	530481	459533	574522	16.00
Aroclor-1016 {2}	1415255	1334759	1113117	1069128	940000	1174452	16.68
Aroclor-1016 {3}	2810632	2700630	2413990	2391597	2099301	2483230	11.30
Aroclor-1016 {4}	1346945	1296696	1078033	1049599	891079	1132470	16.58
Aroclor-1016 {5}	985293	948441	822305	809942	713426	855881	12.91
Aroclor-1221			231490				
Aroclor-1221 {2}			319601				
Aroclor-1221 {3}			230053				
Aroclor-1221 {4}			780927				
Aroclor-1221 {5}			145710				
Aroclor-1232			501837				
Aroclor-1232 {2}			192224				
Aroclor-1232 {3}			419274				
Aroclor-1232 {4}			317923				
Aroclor-1232 {5}			452243				
Aroclor-1242			378027				
Aroclor-1242 {2}			636979				
Aroclor-1242 {3}			849879				
Aroclor-1242 {4}			712707				
Aroclor-1242 {5}			1347579				
Aroclor-1248			1257303				
Aroclor-1248 {2}			1987518				
Aroclor-1248 {3}			1407154				
Aroclor-1248 {4}			1204049				
Aroclor-1248 {5}			687200				
Aroclor-1254			1678553				
Aroclor-1254 {2}			1356249				
Aroclor-1254 {3}			1213943				
Aroclor-1254 {4}			849738				
Aroclor-1254 {5}			1948076				
Aroclor-1260	1113552	1111434	949886	924039	853589	990500	11.79
Aroclor-1260 {2}	1732585	1739500	1485709	1434875	1302617	1539057	12.47
Aroclor-1260 {3}	1396046	1401492	1297628	1287736	1193123	1315205	6.58
Aroclor-1260 {4}	2899061	3068229	2863757	2868127	2607358	2861306	5.76
Aroclor-1260 {5}	2403464	2281430	2101357	2086442	1884279	2151394	9.25
						Average %RSD	11.93

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/21/2013

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

Data File: Y6728.D Y6727.D Y6726.D Y6725.D Y6724.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			8.59				8.47	8.71
Aroclor-1262 {2}			9.45				9.33	9.57
Aroclor-1262 {3}			10.07				9.95	10.19
Aroclor-1262 {4}			10.16				10.04	10.28
Aroclor-1262 {5}			10.99				10.87	11.11
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.16				10.04	10.28
Aroclor-1268 {3}			10.62				10.50	10.74
Aroclor-1268 {4}			10.76				10.64	10.88
Aroclor-1268 {5}			11.59				11.47	11.71

GC Column (2nd): DB-1701P

Data File: Y6728.C Y6727.C Y6726.C Y6725.C Y6724.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.64				9.52	9.76
Aroclor-1262 {2}			10.15				10.03	10.27
Aroclor-1262 {3}			10.64				10.52	10.76
Aroclor-1262 {4}			10.73				10.61	10.85
Aroclor-1262 {5}			11.33				11.21	11.45
Aroclor-1268			10.64				10.52	10.76
Aroclor-1268 {2}			10.72				10.60	10.84
Aroclor-1268 {3}			10.97				10.85	11.09
Aroclor-1268 {4}			11.12				11.00	11.24
Aroclor-1268 {5}			12.19				12.07	12.31

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/21/2013

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

Data File: Y6728.D Y6727.D Y6726.D Y6725.D Y6724.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			7771546				
Aroclor-1262 {2}			14990181				
Aroclor-1262 {3}			5698774				
Aroclor-1262 {4}			7755059				
Aroclor-1262 {5}			5406314				
Aroclor-1268			14268848				
Aroclor-1268 {2}			19032518				
Aroclor-1268 {3}			13827594				
Aroclor-1268 {4}			3881573				
Aroclor-1268 {5}			33733674				

GC Column (2nd): DB-1701P

Data File: Y6728.C Y6727.C Y6726.C Y6725.C Y6724.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1673204				
Aroclor-1262 {2}			3815576				
Aroclor-1262 {3}			1204914				
Aroclor-1262 {4}			2720398				
Aroclor-1262 {5}			553788				
Aroclor-1268			3528826				
Aroclor-1268 {2}			4066506				
Aroclor-1268 {3}			3131642				
Aroclor-1268 {4}			965994				
Aroclor-1268 {5}			9375613				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 03/29/2013 **Instrument ID:** GC-Y

Data File: Y6831.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.26	3.18	3.32	1777660	1849978	4.07
Aroclor-1016 {2}	4.08	4.01	4.15	2581836	2888680	11.88
Aroclor-1016 {3}	4.63	4.56	4.70	3492429	3553281	1.74
Aroclor-1016 {4}	5.14	5.06	5.20	1907668	1935713	1.47
Aroclor-1016 {5}	5.53	5.45	5.59	2992474	3407033	13.85
Aroclor-1260	8.31	7.40	9.20	8678514	10364342	19.43
Aroclor-1260 {2}	8.98	8.07	9.87	4162834	4353704	4.59
Aroclor-1260 {3}	9.45	8.55	10.35	11352190	13347161	17.57
Aroclor-1260 {4}	9.94	9.04	10.84	5395490	5671841	5.12
Aroclor-1260 {5}	10.99	10.09	11.89	2778611	2615195	5.88
					Average %D	8.56

Data File: Y6831.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.73	3.66	3.80	574522	551641	3.98
Aroclor-1016 {2}	4.33	4.25	4.39	1174452	1093936	6.86
Aroclor-1016 {3}	5.08	5.00	5.14	2483230	2409200	2.98
Aroclor-1016 {4}	5.28	5.21	5.35	1132470	1065872	5.88
Aroclor-1016 {5}	5.45	5.38	5.52	855881	825600	3.54
Aroclor-1260	7.81	6.90	8.70	990500	927143	6.40
Aroclor-1260 {2}	8.06	7.16	8.96	1539057	1464930	4.82
Aroclor-1260 {3}	9.64	8.74	10.54	1315205	1275292	3.03
Aroclor-1260 {4}	10.15	9.25	11.05	2861306	2881491	0.71
Aroclor-1260 {5}	10.74	9.84	11.64	2151394	2046912	4.86
					Average %D	4.30

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 03/29/2013 Instrument ID: GC-Y

Data File: Y6851.D GC Column (1st): DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.26	3.18	3.32	1777660	1993095	12.12
Aroclor-1016 {2}	4.08	4.01	4.15	2581836	2647025	2.52
Aroclor-1016 {3}	4.63	4.56	4.70	3492429	3856769	10.43
Aroclor-1016 {4}	5.14	5.06	5.20	1907668	2170563	13.78
Aroclor-1016 {5}	5.53	5.45	5.59	2992474	3161406	5.65
Aroclor-1260	8.31	7.40	9.20	8678514	8827362	1.72
Aroclor-1260 {2}	8.98	8.07	9.87	4162834	3404075	18.23
Aroclor-1260 {3}	9.45	8.55	10.35	11352190	10549868	7.07
Aroclor-1260 {4}	9.94	9.04	10.84	5395490	4497961	16.63
Aroclor-1260 {5}	10.99	10.09	11.89	2778611	2779671	0.04
					Average %D	8.82

Data File: Y6851.C GC Column (2nd): DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.73	3.66	3.80	574522	544479	5.23
Aroclor-1016 {2}	4.33	4.25	4.39	1174452	1077289	8.27
Aroclor-1016 {3}	5.08	5.00	5.14	2483230	2386426	3.90
Aroclor-1016 {4}	5.28	5.21	5.35	1132470	1017905	10.12
Aroclor-1016 {5}	5.45	5.38	5.52	855881	800340	6.49
Aroclor-1260	7.81	6.90	8.70	990500	868656	12.30
Aroclor-1260 {2}	8.06	7.16	8.96	1539057	1328688	13.67
Aroclor-1260 {3}	9.64	8.74	10.54	1315205	1093413	16.86
Aroclor-1260 {4}	10.15	9.25	11.05	2861306	2421322	15.38
Aroclor-1260 {5}	10.74	9.84	11.64	2151394	1734851	19.36
					Average %D	11.16

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/18/2013

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

Data File: R8052.D R8051.D R8050.D R8049.D R8048.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.21	3.21	3.21	3.21	3.21	3.21	3.14	3.28
Aroclor-1016 {2}	4.05	4.05	4.04	4.05	4.05	4.05	3.98	4.12
Aroclor-1016 {3}	4.60	4.60	4.59	4.60	4.59	4.60	4.53	4.67
Aroclor-1016 {4}	5.11	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {5}	5.50	5.50	5.50	5.50	5.50	5.50	5.43	5.57
Aroclor-1221			2.12				2.05	2.19
Aroclor-1221 {2}			3.01				2.94	3.08
Aroclor-1221 {3}			3.14				3.07	3.21
Aroclor-1221 {4}			3.21				3.14	3.28
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.21				3.14	3.28
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}			4.98				4.91	5.05
Aroclor-1242 {3}			5.31				5.24	5.38
Aroclor-1242 {4}			6.00				5.93	6.07
Aroclor-1242 {5}			6.27				6.20	6.34
Aroclor-1248			4.44				4.36	4.52
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.31				5.23	5.39
Aroclor-1248 {4}			6.00				5.92	6.08
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.40				6.32	6.48
Aroclor-1254 {2}			6.84				6.76	6.92
Aroclor-1254 {3}			7.00				6.91	7.09
Aroclor-1254 {4}			7.44				7.35	7.53
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}	9.44	9.44	9.44	9.44	9.44	9.44	8.54	10.34
Aroclor-1260 {4}	9.92	9.92	9.92	9.92	9.92	9.92	9.02	10.82
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: 03/18/2013

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

Data File: R8052.D R8051.D R8050.D R8049.D R8048.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	228242	231143	196301	185059	190287	206206	10.59
Aroclor-1016 {2}	297922	322406	276291	262935	267814	285474	8.62
Aroclor-1016 {3}	408377	416456	355061	334889	342099	371376	10.30
Aroclor-1016 {4}	187167	186888	159739	149345	150261	166680	11.41
Aroclor-1016 {5}	305525	328343	287889	271856	274464	293615	8.03
Aroclor-1221			80826				
Aroclor-1221 {2}			120069				
Aroclor-1221 {3}			81268				
Aroclor-1221 {4}			272449				
Aroclor-1221 {5}			59751				
Aroclor-1232			170704				
Aroclor-1232 {2}			103143				
Aroclor-1232 {3}			90403				
Aroclor-1232 {4}			107958				
Aroclor-1232 {5}			127041				
Aroclor-1242			215657				
Aroclor-1242 {2}			143370				
Aroclor-1242 {3}			202307				
Aroclor-1242 {4}			264527				
Aroclor-1242 {5}			253727				
Aroclor-1248			421820				
Aroclor-1248 {2}			258260				
Aroclor-1248 {3}			338346				
Aroclor-1248 {4}			470994				
Aroclor-1248 {5}			399829				
Aroclor-1254			545846				
Aroclor-1254 {2}			356339				
Aroclor-1254 {3}			643038				
Aroclor-1254 {4}			681605				
Aroclor-1254 {5}			608390				
Aroclor-1260	921703	955526	831502	773930	762404	849013	10.21
Aroclor-1260 {2}	449976	479938	407310	375096	366765	415817	11.67
Aroclor-1260 {3}	1021000	1066415	942282	879540	874844	956817	8.90
Aroclor-1260 {4}	559751	575021	502374	469264	470174	515317	9.64
Aroclor-1260 {5}	249467	244292	214645	198814	200000	221443	10.89
						Average %RSD	10.03

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/11/2013 **Instrument ID:** GC-Y

Data File: Y7143.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.25	3.18	3.32	1777660	1970668	10.86
Aroclor-1016 {2}	4.08	4.01	4.15	2581836	2750952	6.55
Aroclor-1016 {3}	4.63	4.56	4.70	3492429	3720122	6.52
Aroclor-1016 {4}	5.13	5.06	5.20	1907668	2130654	11.69
Aroclor-1016 {5}	5.53	5.45	5.59	2992474	3030912	1.28
Aroclor-1260	8.31	7.40	9.20	8678514	8125711	6.37
Aroclor-1260 {2}	8.98	8.07	9.87	4162834	3642099	12.51
Aroclor-1260 {3}	9.46	8.55	10.35	11352190	10477189	7.71
Aroclor-1260 {4}	9.94	9.04	10.84	5395490	4542698	15.81
Aroclor-1260 {5}	11.00	10.09	11.89	2778611	2246117	19.16
					Average %D	9.85

Data File: Y7143.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.73	3.66	3.80	574522	680843	18.51
Aroclor-1016 {2}	4.32	4.25	4.39	1174452	1339679	14.07
Aroclor-1016 {3}	5.07	5.00	5.14	2483230	2908267	17.12
Aroclor-1016 {4}	5.28	5.21	5.35	1132470	1290067	13.92
Aroclor-1016 {5}	5.45	5.38	5.52	855881	986228	15.23
Aroclor-1260	7.80	6.90	8.70	990500	1021085	3.09
Aroclor-1260 {2}	8.05	7.16	8.96	1539057	1624937	5.58
Aroclor-1260 {3}	9.64	8.74	10.54	1315205	1323618	0.64
Aroclor-1260 {4}	10.15	9.25	11.05	2861306	3053009	6.70
Aroclor-1260 {5}	10.74	9.84	11.64	2151394	2169666	0.85
					Average %D	9.57

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/12/2013 **Instrument ID:** GC-Y

Data File: Y7168.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.25	3.18	3.32	1777660	1758862	1.06
Aroclor-1016 {2}	4.08	4.01	4.15	2581836	2411668	6.59
Aroclor-1016 {3}	4.63	4.56	4.70	3492429	3278053	6.14
Aroclor-1016 {4}	5.13	5.06	5.20	1907668	1837517	3.68
Aroclor-1016 {5}	5.53	5.45	5.59	2992474	2632635	12.02
Aroclor-1260	8.31	7.40	9.20	8678514	7123823	17.91
Aroclor-1260 {2}	8.97	8.07	9.87	4162834	3591029	13.74
Aroclor-1260 {3}	9.45	8.55	10.35	11352190	9502145	16.30
Aroclor-1260 {4}	9.94	9.04	10.84	5395490	4605197	14.65
Aroclor-1260 {5}	10.99	10.09	11.89	2778611	2753346	0.91
					Average %D	9.30

Data File: Y7168.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.73	3.66	3.80	574522	635789	10.66
Aroclor-1016 {2}	4.32	4.25	4.39	1174452	1271381	8.25
Aroclor-1016 {3}	5.07	5.00	5.14	2483230	2764343	11.32
Aroclor-1016 {4}	5.28	5.21	5.35	1132470	1188145	4.92
Aroclor-1016 {5}	5.45	5.38	5.52	855881	913672	6.75
Aroclor-1260	7.80	6.90	8.70	990500	927398	6.37
Aroclor-1260 {2}	8.05	7.16	8.96	1539057	1445613	6.07
Aroclor-1260 {3}	9.64	8.74	10.54	1315205	1177863	10.44
Aroclor-1260 {4}	10.15	9.25	11.05	2861306	2698633	5.69
Aroclor-1260 {5}	10.74	9.84	11.64	2151394	1991994	7.41
					Average %D	7.79

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/18/2013

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

Data File: R8052.D R8051.D R8050.D R8049.D R8048.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.21	3.21	3.21	3.21	3.21	3.21	3.14	3.28
Aroclor-1016 {2}	4.05	4.05	4.04	4.05	4.05	4.05	3.98	4.12
Aroclor-1016 {3}	4.60	4.60	4.59	4.60	4.59	4.60	4.53	4.67
Aroclor-1016 {4}	5.11	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1016 {5}	5.50	5.50	5.50	5.50	5.50	5.50	5.43	5.57
Aroclor-1221			2.12				2.05	2.19
Aroclor-1221 {2}			3.01				2.94	3.08
Aroclor-1221 {3}			3.14				3.07	3.21
Aroclor-1221 {4}			3.21				3.14	3.28
Aroclor-1221 {5}			3.81				3.74	3.88
Aroclor-1232			3.21				3.14	3.28
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}			4.98				4.91	5.05
Aroclor-1242 {3}			5.31				5.24	5.38
Aroclor-1242 {4}			6.00				5.93	6.07
Aroclor-1242 {5}			6.27				6.20	6.34
Aroclor-1248			4.44				4.36	4.52
Aroclor-1248 {2}			4.98				4.90	5.06
Aroclor-1248 {3}			5.31				5.23	5.39
Aroclor-1248 {4}			6.00				5.92	6.08
Aroclor-1248 {5}			6.27				6.19	6.35
Aroclor-1254			6.40				6.32	6.48
Aroclor-1254 {2}			6.84				6.76	6.92
Aroclor-1254 {3}			7.00				6.91	7.09
Aroclor-1254 {4}			7.44				7.35	7.53
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}	9.44	9.44	9.44	9.44	9.44	9.44	8.54	10.34
Aroclor-1260 {4}	9.92	9.92	9.92	9.92	9.92	9.92	9.02	10.82
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: 03/18/2013

Instrument ID: GC-R

GC Column (1st): DB-5

Data File: R8052.D R8051.D R8050.D R8049.D R8048.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	228242	231143	196301	185059	190287	206206	10.59
Aroclor-1016 {2}	297922	322406	276291	262935	267814	285474	8.62
Aroclor-1016 {3}	408377	416456	355061	334889	342099	371376	10.30
Aroclor-1016 {4}	187167	186888	159739	149345	150261	166680	11.41
Aroclor-1016 {5}	305525	328343	287889	271856	274464	293615	8.03
Aroclor-1221			80826				
Aroclor-1221 {2}			120069				
Aroclor-1221 {3}			81268				
Aroclor-1221 {4}			272449				
Aroclor-1221 {5}			59751				
Aroclor-1232			170704				
Aroclor-1232 {2}			103143				
Aroclor-1232 {3}			90403				
Aroclor-1232 {4}			107958				
Aroclor-1232 {5}			127041				
Aroclor-1242			215657				
Aroclor-1242 {2}			143370				
Aroclor-1242 {3}			202307				
Aroclor-1242 {4}			264527				
Aroclor-1242 {5}			253727				
Aroclor-1248			421820				
Aroclor-1248 {2}			258260				
Aroclor-1248 {3}			338346				
Aroclor-1248 {4}			470994				
Aroclor-1248 {5}			399829				
Aroclor-1254			545846				
Aroclor-1254 {2}			356339				
Aroclor-1254 {3}			643038				
Aroclor-1254 {4}			681605				
Aroclor-1254 {5}			608390				
Aroclor-1260	921703	955526	831502	773930	762404	849013	10.21
Aroclor-1260 {2}	449976	479938	407310	375096	366765	415817	11.67
Aroclor-1260 {3}	1021000	1066415	942282	879540	874844	956817	8.90
Aroclor-1260 {4}	559751	575021	502374	469264	470174	515317	9.64
Aroclor-1260 {5}	249467	244292	214645	198814	200000	221443	10.89
						Average %RSD	10.03

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/18/2013

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

Data File: R8052.C R8051.C R8050.C R8049.C R8048.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WI NDOW FROM	TO
Aroclor-1016	3.44	3.44	3.44	3.44	3.44	3.44	3.37	3.51
Aroclor-1016 {2}	4.02	4.01	4.01	4.01	4.01	4.01	3.94	4.08
Aroclor-1016 {3}	4.74	4.73	4.73	4.73	4.73	4.73	4.66	4.80
Aroclor-1016 {4}	4.94	4.93	4.93	4.93	4.93	4.93	4.86	5.00
Aroclor-1016 {5}	5.11	5.10	5.10	5.10	5.10	5.10	5.03	5.17
Aroclor-1221			2.22				2.15	2.29
Aroclor-1221 {2}			3.14				3.07	3.21
Aroclor-1221 {3}			3.36				3.29	3.43
Aroclor-1221 {4}			3.45				3.38	3.52
Aroclor-1221 {5}			4.74				4.67	4.81
Aroclor-1232			3.44				3.37	3.51
Aroclor-1232 {2}			4.38				4.31	4.45
Aroclor-1232 {3}			4.93				4.86	5.00
Aroclor-1232 {4}			5.10				5.03	5.17
Aroclor-1232 {5}			5.69				5.62	5.76
Aroclor-1242			4.38				4.31	4.45
Aroclor-1242 {2}			5.10				5.03	5.17
Aroclor-1242 {3}			5.69				5.62	5.76
Aroclor-1242 {4}			5.84				5.77	5.91
Aroclor-1242 {5}			6.37				6.30	6.44
Aroclor-1248			4.73				4.65	4.81
Aroclor-1248 {2}			5.30				5.22	5.38
Aroclor-1248 {3}			5.69				5.61	5.77
Aroclor-1248 {4}			5.84				5.76	5.92
Aroclor-1248 {5}			6.18				6.10	6.26
Aroclor-1254			6.68				6.60	6.76
Aroclor-1254 {2}			7.25				7.17	7.33
Aroclor-1254 {3}			7.69				7.60	7.78
Aroclor-1254 {4}			7.86				7.77	7.95
Aroclor-1254 {5}			8.68				8.59	8.77
Aroclor-1260	7.44	7.43	7.43	7.43	7.43	7.43	6.53	8.33
Aroclor-1260 {2}	7.69	7.69	7.69	7.69	7.69	7.69	6.79	8.59
Aroclor-1260 {3}	9.28	9.27	9.27	9.27	9.27	9.27	8.37	10.17
Aroclor-1260 {4}	9.78	9.77	9.78	9.77	9.77	9.78	8.88	10.68
Aroclor-1260 {5}	10.37	10.36	10.36	10.36	10.36	10.36	9.46	11.26

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/18/2013

Instrument ID: GC-R

GC Column (2nd): DB-1701P

Data File: R8052.C R8051.C R8050.C R8049.C R8048.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	261449	262421	194719	185678	186559	218165	18.39
Aroclor-1016 {2}	525108	535920	394042	372058	377798	440985	18.64
Aroclor-1016 {3}	1114399	1054769	853694	815191	832880	934187	14.94
Aroclor-1016 {4}	440446	496587	375096	352183	355999	404062	15.52
Aroclor-1016 {5}	346759	374505	285465	269497	276716	310589	15.15
Aroclor-1221			86445				
Aroclor-1221 {2}			122159				
Aroclor-1221 {3}			79397				
Aroclor-1221 {4}			267015				
Aroclor-1221 {5}			54425				
Aroclor-1232			169739				
Aroclor-1232 {2}			67433				
Aroclor-1232 {3}			146422				
Aroclor-1232 {4}			110194				
Aroclor-1232 {5}			161920				
Aroclor-1242			133520				
Aroclor-1242 {2}			223211				
Aroclor-1242 {3}			301854				
Aroclor-1242 {4}			251422				
Aroclor-1242 {5}			467690				
Aroclor-1248			407367				
Aroclor-1248 {2}			629227				
Aroclor-1248 {3}			452393				
Aroclor-1248 {4}			384454				
Aroclor-1248 {5}			222453				
Aroclor-1254			570436				
Aroclor-1254 {2}			435492				
Aroclor-1254 {3}			289449				
Aroclor-1254 {4}			419000				
Aroclor-1254 {5}			560430				
Aroclor-1260	405454	446155	340765	312184	310683	363048	16.60
Aroclor-1260 {2}	618499	631809	486038	449550	442914	525762	17.56
Aroclor-1260 {3}	513239	524304	435083	405145	403301	456214	12.85
Aroclor-1260 {4}	966300	1013452	895323	848252	859518	916569	7.76
Aroclor-1260 {5}	707970	725247	650766	618353	629284	666324	7.17
					Average %RSD		14.46

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/18/2013

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

Data File: R8052.D R8051.D R8050.D R8049.D R8048.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			8.67				8.55	8.79
Aroclor-1262 {2}			9.44				9.32	9.56
Aroclor-1262 {3}			10.08				9.96	10.20
Aroclor-1262 {4}			10.16				10.04	10.28
Aroclor-1262 {5}			10.99				10.87	11.11
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.16				10.04	10.28
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: R8052.C R8051.C R8050.C R8049.C R8048.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.27				9.15	9.39
Aroclor-1262 {2}			9.77				9.65	9.89
Aroclor-1262 {3}			10.27				10.15	10.39
Aroclor-1262 {4}			10.36				10.24	10.48
Aroclor-1262 {5}			10.96				10.84	11.08
Aroclor-1268			10.28				10.16	10.40
Aroclor-1268 {2}			10.36				10.24	10.48
Aroclor-1268 {3}			10.61				10.49	10.73
Aroclor-1268 {4}			10.75				10.63	10.87
Aroclor-1268 {5}			11.83				11.71	11.95

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 03/18/2013

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

Data File: R8052.D R8051.D R8050.D R8049.D R8048.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			260093				
Aroclor-1262 {2}			1132390				
Aroclor-1262 {3}			463438				
Aroclor-1262 {4}			477316				
Aroclor-1262 {5}			384445				
Aroclor-1268			1247330				
Aroclor-1268 {2}			1159911				
Aroclor-1268 {3}			997935				
Aroclor-1268 {4}			256013				
Aroclor-1268 {5}			3032368				

GC Column (2nd): DB-1701P

Data File: R8052.C R8051.C R8050.C R8049.C R8048.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			516743				
Aroclor-1262 {2}			1068755				
Aroclor-1262 {3}			396344				
Aroclor-1262 {4}			741227				
Aroclor-1262 {5}			146821				
Aroclor-1268			1103103				
Aroclor-1268 {2}			1051143				
Aroclor-1268 {3}			905800				
Aroclor-1268 {4}			238330				
Aroclor-1268 {5}			2892666				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/11/2013 **Instrument ID:** GC-R

Data File: R8618.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	226204	9.70
Aroclor-1016 {2}	4.05	3.98	4.12	285474	299513	4.92
Aroclor-1016 {3}	4.60	4.53	4.67	371376	379609	2.22
Aroclor-1016 {4}	5.11	5.03	5.17	166680	190097	14.05
Aroclor-1016 {5}	5.51	5.43	5.57	293615	296925	1.13
Aroclor-1260	8.30	7.39	9.19	849013	794405	6.43
Aroclor-1260 {2}	8.97	8.07	9.87	415817	367192	11.69
Aroclor-1260 {3}	9.45	8.54	10.34	956817	862061	9.90
Aroclor-1260 {4}	9.93	9.02	10.82	515317	448397	12.99
Aroclor-1260 {5}	10.99	10.09	11.89	221443	183107	17.31
					Average %D	9.03

Data File: R8618.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.44	3.37	3.51	218165	243225	11.49
Aroclor-1016 {2}	4.00	3.94	4.08	440985	451907	2.48
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1042536	11.60
Aroclor-1016 {4}	4.93	4.86	5.00	404062	435295	7.73
Aroclor-1016 {5}	5.10	5.03	5.17	310589	334759	7.78
Aroclor-1260	7.43	6.53	8.33	363048	377627	4.02
Aroclor-1260 {2}	7.68	6.79	8.59	525762	539576	2.63
Aroclor-1260 {3}	9.26	8.37	10.17	456214	461297	1.11
Aroclor-1260 {4}	9.77	8.88	10.68	916569	939210	2.47
Aroclor-1260 {5}	10.36	9.46	11.26	666324	643446	3.43
					Average %D	5.47

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/11/2013 **Instrument ID:** GC-R

Data File: R8644.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	218820	6.12
Aroclor-1016 {2}	4.05	3.98	4.12	285474	288360	1.01
Aroclor-1016 {3}	4.60	4.53	4.67	371376	366020	1.44
Aroclor-1016 {4}	5.11	5.03	5.17	166680	181387	8.82
Aroclor-1016 {5}	5.51	5.43	5.57	293615	284882	2.97
Aroclor-1260	8.30	7.39	9.19	849013	747491	11.96
Aroclor-1260 {2}	8.97	8.07	9.87	415817	345694	16.86
Aroclor-1260 {3}	9.45	8.54	10.34	956817	809336	15.41
Aroclor-1260 {4}	9.93	9.02	10.82	515317	420620	18.38
Aroclor-1260 {5}	10.99	10.09	11.89	221443	184683	16.60
					Average %D	9.96

Data File: R8644.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.37	3.51	218165	235236	7.82
Aroclor-1016 {2}	4.00	3.94	4.08	440985	439769	0.28
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1003949	7.47
Aroclor-1016 {4}	4.93	4.86	5.00	404062	419121	3.73
Aroclor-1016 {5}	5.10	5.03	5.17	310589	324837	4.59
Aroclor-1260	7.43	6.53	8.33	363048	358456	1.26
Aroclor-1260 {2}	7.68	6.79	8.59	525762	509841	3.03
Aroclor-1260 {3}	9.26	8.37	10.17	456214	433767	4.92
Aroclor-1260 {4}	9.77	8.88	10.68	916569	885741	3.36
Aroclor-1260 {5}	10.36	9.46	11.26	666324	613864	7.87
					Average %D	4.43

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/12/2013 **Instrument ID:** GC-R

Data File: R8680.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	225752	9.48
Aroclor-1016 {2}	4.05	3.98	4.12	285474	302236	5.87
Aroclor-1016 {3}	4.60	4.53	4.67	371376	389848	4.97
Aroclor-1016 {4}	5.11	5.03	5.17	166680	189182	13.50
Aroclor-1016 {5}	5.51	5.43	5.57	293615	309211	5.31
Aroclor-1260	8.30	7.39	9.19	849013	888695	4.67
Aroclor-1260 {2}	8.98	8.07	9.87	415817	417308	0.36
Aroclor-1260 {3}	9.45	8.54	10.34	956817	994404	3.93
Aroclor-1260 {4}	9.93	9.02	10.82	515317	523238	1.54
Aroclor-1260 {5}	11.00	10.09	11.89	221443	207303	6.39
					Average %D	5.60

Data File: R8680.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.37	3.51	218165	241365	10.63
Aroclor-1016 {2}	4.01	3.94	4.08	440985	450594	2.18
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1056928	13.14
Aroclor-1016 {4}	4.93	4.86	5.00	404062	442890	9.61
Aroclor-1016 {5}	5.10	5.03	5.17	310589	340989	9.79
Aroclor-1260	7.43	6.53	8.33	363048	406869	12.07
Aroclor-1260 {2}	7.68	6.79	8.59	525762	583477	10.98
Aroclor-1260 {3}	9.26	8.37	10.17	456214	527082	15.53
Aroclor-1260 {4}	9.77	8.88	10.68	916569	1081694	18.02
Aroclor-1260 {5}	10.36	9.46	11.26	666324	766458	15.03
					Average %D	11.70

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/12/2013 **Instrument ID:** GC-R

Data File: R8696.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	230142	11.61
Aroclor-1016 {2}	4.05	3.98	4.12	285474	312754	9.56
Aroclor-1016 {3}	4.60	4.53	4.67	371376	389459	4.87
Aroclor-1016 {4}	5.11	5.03	5.17	166680	196761	18.05
Aroclor-1016 {5}	5.51	5.43	5.57	293615	307065	4.58
Aroclor-1260	8.30	7.39	9.19	849013	829617	2.28
Aroclor-1260 {2}	8.98	8.07	9.87	415817	385564	7.28
Aroclor-1260 {3}	9.45	8.54	10.34	956817	909687	4.93
Aroclor-1260 {4}	9.93	9.02	10.82	515317	475532	7.72
Aroclor-1260 {5}	11.00	10.09	11.89	221443	187375	15.38
					Average %D	8.63

Data File: R8696.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.44	3.37	3.51	218165	246823	13.14
Aroclor-1016 {2}	4.01	3.94	4.08	440985	456714	3.57
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1059969	13.46
Aroclor-1016 {4}	4.93	4.86	5.00	404062	443877	9.85
Aroclor-1016 {5}	5.10	5.03	5.17	310589	341674	10.01
Aroclor-1260	7.43	6.53	8.33	363048	391466	7.83
Aroclor-1260 {2}	7.68	6.79	8.59	525762	559897	6.49
Aroclor-1260 {3}	9.27	8.37	10.17	456214	488275	7.03
Aroclor-1260 {4}	9.77	8.88	10.68	916569	1014811	10.72
Aroclor-1260 {5}	10.36	9.46	11.26	666324	704860	5.78
					Average %D	8.79

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/12/2013 **Instrument ID:** GC-R

Data File: R8704.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	226516	9.85
Aroclor-1016 {2}	4.05	3.98	4.12	285474	300656	5.32
Aroclor-1016 {3}	4.60	4.53	4.67	371376	385194	3.72
Aroclor-1016 {4}	5.11	5.03	5.17	166680	191844	15.10
Aroclor-1016 {5}	5.51	5.43	5.57	293615	303105	3.23
Aroclor-1260	8.30	7.39	9.19	849013	829305	2.32
Aroclor-1260 {2}	8.98	8.07	9.87	415817	384807	7.46
Aroclor-1260 {3}	9.45	8.54	10.34	956817	914852	4.39
Aroclor-1260 {4}	9.93	9.02	10.82	515317	483972	6.08
Aroclor-1260 {5}	11.00	10.09	11.89	221443	192365	13.13
					Average %D	7.06

Data File: R8704.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.37	3.51	218165	244954	12.28
Aroclor-1016 {2}	4.01	3.94	4.08	440985	462669	4.92
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1060003	13.47
Aroclor-1016 {4}	4.93	4.86	5.00	404062	442848	9.60
Aroclor-1016 {5}	5.10	5.03	5.17	310589	345759	11.32
Aroclor-1260	7.43	6.53	8.33	363048	391927	7.95
Aroclor-1260 {2}	7.68	6.79	8.59	525762	562893	7.06
Aroclor-1260 {3}	9.26	8.37	10.17	456214	493532	8.18
Aroclor-1260 {4}	9.77	8.88	10.68	916569	1029443	12.31
Aroclor-1260 {5}	10.36	9.46	11.26	666324	730840	9.68
					Average %D	9.68

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/12/2013 **Instrument ID:** GC-R

Data File: R8712.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	226782	9.98
Aroclor-1016 {2}	4.05	3.98	4.12	285474	300028	5.10
Aroclor-1016 {3}	4.60	4.53	4.67	371376	382496	2.99
Aroclor-1016 {4}	5.11	5.03	5.17	166680	191350	14.80
Aroclor-1016 {5}	5.51	5.43	5.57	293615	300688	2.41
Aroclor-1260	8.30	7.39	9.19	849013	808692	4.75
Aroclor-1260 {2}	8.98	8.07	9.87	415817	376022	9.57
Aroclor-1260 {3}	9.45	8.54	10.34	956817	885805	7.42
Aroclor-1260 {4}	9.93	9.02	10.82	515317	462070	10.33
Aroclor-1260 {5}	11.00	10.09	11.89	221443	181243	18.15
					Average %D	8.55

Data File: R8712.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.37	3.51	218165	245585	12.57
Aroclor-1016 {2}	4.01	3.94	4.08	440985	460201	4.36
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1052319	12.65
Aroclor-1016 {4}	4.93	4.86	5.00	404062	439814	8.85
Aroclor-1016 {5}	5.10	5.03	5.17	310589	342967	10.42
Aroclor-1260	7.43	6.53	8.33	363048	385094	6.07
Aroclor-1260 {2}	7.68	6.79	8.59	525762	550413	4.69
Aroclor-1260 {3}	9.27	8.37	10.17	456214	478353	4.85
Aroclor-1260 {4}	9.77	8.88	10.68	916569	991795	8.21
Aroclor-1260 {5}	10.36	9.46	11.26	666324	699571	4.99
					Average %D	7.77

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/12/2013 **Instrument ID:** GC-R

Data File: R8713.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	228225	10.68
Aroclor-1016 {2}	4.05	3.98	4.12	285474	302769	6.06
Aroclor-1016 {3}	4.60	4.53	4.67	371376	388209	4.53
Aroclor-1016 {4}	5.11	5.03	5.17	166680	194526	16.71
Aroclor-1016 {5}	5.51	5.43	5.57	293615	306725	4.46
Aroclor-1260	8.30	7.39	9.19	849013	846491	0.30
Aroclor-1260 {2}	8.98	8.07	9.87	415817	394218	5.19
Aroclor-1260 {3}	9.45	8.54	10.34	956817	935636	2.21
Aroclor-1260 {4}	9.93	9.02	10.82	515317	490925	4.73
Aroclor-1260 {5}	11.00	10.09	11.89	221443	203341	8.17
					Average %D	6.31

Data File: R8713.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.44	3.37	3.51	218165	246838	13.14
Aroclor-1016 {2}	4.01	3.94	4.08	440985	464127	5.25
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1065676	14.08
Aroclor-1016 {4}	4.93	4.86	5.00	404062	446326	10.46
Aroclor-1016 {5}	5.10	5.03	5.17	310589	348301	12.14
Aroclor-1260	7.43	6.53	8.33	363048	397805	9.57
Aroclor-1260 {2}	7.68	6.79	8.59	525762	569427	8.31
Aroclor-1260 {3}	9.26	8.37	10.17	456214	501473	9.92
Aroclor-1260 {4}	9.77	8.88	10.68	916569	1049431	14.50
Aroclor-1260 {5}	10.36	9.46	11.26	666324	743110	11.52
					Average %D	10.89

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/13/2013 **Instrument ID:** GC-R

Data File: R8738.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	229269	11.18
Aroclor-1016 {2}	4.05	3.98	4.12	285474	304181	6.55
Aroclor-1016 {3}	4.60	4.53	4.67	371376	388604	4.64
Aroclor-1016 {4}	5.11	5.03	5.17	166680	194340	16.59
Aroclor-1016 {5}	5.51	5.43	5.57	293615	306730	4.47
Aroclor-1260	8.30	7.39	9.19	849013	835780	1.56
Aroclor-1260 {2}	8.98	8.07	9.87	415817	388253	6.63
Aroclor-1260 {3}	9.45	8.54	10.34	956817	921462	3.69
Aroclor-1260 {4}	9.93	9.02	10.82	515317	482328	6.40
Aroclor-1260 {5}	11.00	10.09	11.89	221443	188419	14.91
					Average %D	7.66

Data File: R8738.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.44	3.37	3.51	218165	246472	12.97
Aroclor-1016 {2}	4.01	3.94	4.08	440985	463673	5.14
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1065261	14.03
Aroclor-1016 {4}	4.93	4.86	5.00	404062	444569	10.02
Aroclor-1016 {5}	5.10	5.03	5.17	310589	346876	11.68
Aroclor-1260	7.43	6.53	8.33	363048	391134	7.74
Aroclor-1260 {2}	7.68	6.79	8.59	525762	560239	6.56
Aroclor-1260 {3}	9.27	8.37	10.17	456214	485356	6.39
Aroclor-1260 {4}	9.77	8.88	10.68	916569	1016518	10.90
Aroclor-1260 {5}	10.36	9.46	11.26	666324	706292	6.00
					Average %D	9.14

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/15/2013 **Instrument ID:** GC-R

Data File: R8779.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	218890	6.15
Aroclor-1016 {2}	4.05	3.98	4.12	285474	295276	3.43
Aroclor-1016 {3}	4.60	4.53	4.67	371376	377755	1.72
Aroclor-1016 {4}	5.11	5.03	5.17	166680	173882	4.32
Aroclor-1016 {5}	5.50	5.43	5.57	293615	293374	0.08
Aroclor-1260	8.29	7.39	9.19	849013	775178	8.70
Aroclor-1260 {2}	8.97	8.07	9.87	415817	354317	14.79
Aroclor-1260 {3}	9.45	8.54	10.34	956817	852824	10.87
Aroclor-1260 {4}	9.93	9.02	10.82	515317	451579	12.37
Aroclor-1260 {5}	10.99	10.09	11.89	221443	184496	16.68
					Average %D	7.91

Data File: R8779.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.37	3.51	218165	255949	17.32
Aroclor-1016 {2}	4.00	3.94	4.08	440985	495617	12.39
Aroclor-1016 {3}	4.72	4.66	4.80	934187	1122915	20.20
Aroclor-1016 {4}	4.93	4.86	5.00	404062	465987	15.33
Aroclor-1016 {5}	5.10	5.03	5.17	310589	364320	17.30
Aroclor-1260	7.42	6.53	8.33	363048	398152	9.67
Aroclor-1260 {2}	7.68	6.79	8.59	525762	569505	8.32
Aroclor-1260 {3}	9.26	8.37	10.17	456214	485227	6.36
Aroclor-1260 {4}	9.76	8.88	10.68	916569	1023167	11.63
Aroclor-1260 {5}	10.35	9.46	11.26	666324	735523	10.39
					Average %D	12.89

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/15/2013 **Instrument ID:** GC-R

Data File: R8790.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	221910	7.62
Aroclor-1016 {2}	4.05	3.98	4.12	285474	298552	4.58
Aroclor-1016 {3}	4.60	4.53	4.67	371376	380923	2.57
Aroclor-1016 {4}	5.11	5.03	5.17	166680	177417	6.44
Aroclor-1016 {5}	5.50	5.43	5.57	293615	296997	1.15
Aroclor-1260	8.29	7.39	9.19	849013	801552	5.59
Aroclor-1260 {2}	8.97	8.07	9.87	415817	372573	10.40
Aroclor-1260 {3}	9.45	8.54	10.34	956817	891258	6.85
Aroclor-1260 {4}	9.93	9.02	10.82	515317	472914	8.23
Aroclor-1260 {5}	10.99	10.09	11.89	221443	205010	7.42
					Average %D	6.09

Data File: R8790.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.37	3.51	218165	259250	18.83
Aroclor-1016 {2}	4.00	3.94	4.08	440985	499473	13.26
Aroclor-1016 {3}	4.72	4.66	4.80	934187	1136360	21.64
Aroclor-1016 {4}	4.92	4.86	5.00	404062	472815	17.02
Aroclor-1016 {5}	5.09	5.03	5.17	310589	369052	18.82
Aroclor-1260	7.42	6.53	8.33	363048	411045	13.22
Aroclor-1260 {2}	7.67	6.79	8.59	525762	587650	11.77
Aroclor-1260 {3}	9.26	8.37	10.17	456214	513568	12.57
Aroclor-1260 {4}	9.76	8.88	10.68	916569	1075870	17.38
Aroclor-1260 {5}	10.35	9.46	11.26	666324	765841	14.94
					Average %D	15.95

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/16/2013 **Instrument ID:** GC-R

Data File: R8830.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	213275	3.43
Aroclor-1016 {2}	4.05	3.98	4.12	285474	286670	0.42
Aroclor-1016 {3}	4.60	4.53	4.67	371376	362714	2.33
Aroclor-1016 {4}	5.11	5.03	5.17	166680	171411	2.84
Aroclor-1016 {5}	5.50	5.43	5.57	293615	281367	4.17
Aroclor-1260	8.29	7.39	9.19	849013	731856	13.80
Aroclor-1260 {2}	8.97	8.07	9.87	415817	341498	17.87
Aroclor-1260 {3}	9.45	8.54	10.34	956817	809892	15.36
Aroclor-1260 {4}	9.93	9.02	10.82	515317	429059	16.74
Aroclor-1260 {5}	11.00	10.09	11.89	221443	191123	13.69
					Average %D	9.06

Data File: R8830.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.44	3.37	3.51	218165	246506	12.99
Aroclor-1016 {2}	4.01	3.94	4.08	440985	463815	5.18
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1075102	15.08
Aroclor-1016 {4}	4.93	4.86	5.00	404062	445800	10.33
Aroclor-1016 {5}	5.10	5.03	5.17	310589	341855	10.07
Aroclor-1260	7.43	6.53	8.33	363048	374689	3.21
Aroclor-1260 {2}	7.68	6.79	8.59	525762	533393	1.45
Aroclor-1260 {3}	9.26	8.37	10.17	456214	460075	0.85
Aroclor-1260 {4}	9.76	8.88	10.68	916569	955348	4.23
Aroclor-1260 {5}	10.35	9.46	11.26	666324	672030	0.86
					Average %D	6.42

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/16/2013 **Instrument ID:** GC-R

Data File: R8835.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	215881	4.69
Aroclor-1016 {2}	4.05	3.98	4.12	285474	290360	1.71
Aroclor-1016 {3}	4.60	4.53	4.67	371376	368227	0.85
Aroclor-1016 {4}	5.11	5.03	5.17	166680	173476	4.08
Aroclor-1016 {5}	5.50	5.43	5.57	293615	286462	2.44
Aroclor-1260	8.29	7.39	9.19	849013	758716	10.64
Aroclor-1260 {2}	8.97	8.07	9.87	415817	353415	15.01
Aroclor-1260 {3}	9.45	8.54	10.34	956817	839559	12.26
Aroclor-1260 {4}	9.93	9.02	10.82	515317	442714	14.09
Aroclor-1260 {5}	10.99	10.09	11.89	221443	191347	13.59
					Average %D	7.93

Data File: R8835.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.37	3.51	218165	252995	15.96
Aroclor-1016 {2}	4.00	3.94	4.08	440985	474059	7.50
Aroclor-1016 {3}	4.72	4.66	4.80	934187	1092359	16.93
Aroclor-1016 {4}	4.92	4.86	5.00	404062	452716	12.04
Aroclor-1016 {5}	5.09	5.03	5.17	310589	349600	12.56
Aroclor-1260	7.42	6.53	8.33	363048	388417	6.99
Aroclor-1260 {2}	7.67	6.79	8.59	525762	553563	5.29
Aroclor-1260 {3}	9.26	8.37	10.17	456214	480938	5.42
Aroclor-1260 {4}	9.76	8.88	10.68	916569	1004196	9.56
Aroclor-1260 {5}	10.35	9.46	11.26	666324	715716	7.41
					Average %D	9.97

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/16/2013 **Instrument ID:** GC-R

Data File: R8872.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	226002	9.60
Aroclor-1016 {2}	4.05	3.98	4.12	285474	304415	6.64
Aroclor-1016 {3}	4.60	4.53	4.67	371376	389863	4.98
Aroclor-1016 {4}	5.11	5.03	5.17	166680	181261	8.75
Aroclor-1016 {5}	5.51	5.43	5.57	293615	303878	3.50
Aroclor-1260	8.29	7.39	9.19	849013	833152	1.87
Aroclor-1260 {2}	8.97	8.07	9.87	415817	388409	6.59
Aroclor-1260 {3}	9.45	8.54	10.34	956817	927977	3.01
Aroclor-1260 {4}	9.93	9.02	10.82	515317	495046	3.93
Aroclor-1260 {5}	11.00	10.09	11.89	221443	246083	11.13
					Average %D	6.00

Data File: R8872.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.37	3.51	218165	259225	18.82
Aroclor-1016 {2}	4.00	3.94	4.08	440985	494853	12.22
Aroclor-1016 {3}	4.72	4.66	4.80	934187	1069221	14.45
Aroclor-1016 {4}	4.93	4.86	5.00	404062	475474	17.67
Aroclor-1016 {5}	5.10	5.03	5.17	310589	365763	17.76
Aroclor-1260	7.42	6.53	8.33	363048	408705	12.58
Aroclor-1260 {2}	7.68	6.79	8.59	525762	582832	10.85
Aroclor-1260 {3}	9.26	8.37	10.17	456214	508522	11.47
Aroclor-1260 {4}	9.76	8.88	10.68	916569	1074440	17.22
Aroclor-1260 {5}	10.35	9.46	11.26	666324	754293	13.20
					Average %D	14.63

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/16/2013 **Instrument ID:** GC-R

Data File: R8874.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.22	3.14	3.28	206206	223685	8.48
Aroclor-1016 {2}	4.05	3.98	4.12	285474	302479	5.96
Aroclor-1016 {3}	4.60	4.53	4.67	371376	385089	3.69
Aroclor-1016 {4}	5.11	5.03	5.17	166680	179937	7.95
Aroclor-1016 {5}	5.51	5.43	5.57	293615	300226	2.25
Aroclor-1260	8.30	7.39	9.19	849013	805638	5.11
Aroclor-1260 {2}	8.97	8.07	9.87	415817	374770	9.87
Aroclor-1260 {3}	9.45	8.54	10.34	956817	888831	7.11
Aroclor-1260 {4}	9.93	9.02	10.82	515317	466505	9.47
Aroclor-1260 {5}	11.00	10.09	11.89	221443	185165	16.38
					Average %D	7.63

Data File: R8874.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.43	3.37	3.51	218165	260754	19.52
Aroclor-1016 {2}	4.00	3.94	4.08	440985	492329	11.64
Aroclor-1016 {3}	4.72	4.66	4.80	934187	1102218	17.99
Aroclor-1016 {4}	4.93	4.86	5.00	404062	471281	16.64
Aroclor-1016 {5}	5.10	5.03	5.17	310589	362201	16.62
Aroclor-1260	7.42	6.53	8.33	363048	403110	11.03
Aroclor-1260 {2}	7.68	6.79	8.59	525762	574014	9.18
Aroclor-1260 {3}	9.26	8.37	10.17	456214	497881	9.13
Aroclor-1260 {4}	9.76	8.88	10.68	916569	1029015	12.27
Aroclor-1260 {5}	10.35	9.46	11.26	666324	718737	7.87
					Average %D	13.19

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/12/2013

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

Data File: Y7201.D Y7200.D Y7199.D Y7198.D Y7197.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.25	3.25	3.25	3.25	3.25	3.25	3.18	3.32
Aroclor-1016 {2}	4.08	4.08	4.08	4.08	4.08	4.08	4.01	4.15
Aroclor-1016 {3}	4.63	4.63	4.63	4.63	4.63	4.63	4.56	4.70
Aroclor-1016 {4}	5.13	5.13	5.13	5.13	5.13	5.13	5.06	5.20
Aroclor-1016 {5}	5.52	5.52	5.53	5.53	5.53	5.52	5.45	5.59
Aroclor-1221			2.16				2.09	2.23
Aroclor-1221 {2}			3.05				2.98	3.12
Aroclor-1221 {3}			3.18				3.11	3.25
Aroclor-1221 {4}			3.25				3.18	3.32
Aroclor-1221 {5}			3.84				3.77	3.91
Aroclor-1232			3.25				3.18	3.32
Aroclor-1232 {2}			4.08				4.01	4.15
Aroclor-1232 {3}			4.74				4.67	4.81
Aroclor-1232 {4}			5.33				5.26	5.40
Aroclor-1232 {5}			5.53				5.46	5.60
Aroclor-1242			4.08				4.01	4.15
Aroclor-1242 {2}			5.01				4.94	5.08
Aroclor-1242 {3}			5.33				5.26	5.40
Aroclor-1242 {4}			6.03				5.96	6.10
Aroclor-1242 {5}			6.31				6.24	6.38
Aroclor-1248			4.48				4.40	4.56
Aroclor-1248 {2}			5.01				4.93	5.09
Aroclor-1248 {3}			5.33				5.25	5.41
Aroclor-1248 {4}			6.03				5.95	6.11
Aroclor-1248 {5}			6.31				6.23	6.39
Aroclor-1254			6.42				6.34	6.50
Aroclor-1254 {2}			6.86				6.78	6.94
Aroclor-1254 {3}			7.02				6.93	7.11
Aroclor-1254 {4}			7.48				7.39	7.57
Aroclor-1254 {5}			8.31				8.22	8.40
Aroclor-1260	8.31	8.31	8.31	8.31	8.30	8.31	7.41	9.21
Aroclor-1260 {2}	8.98	8.98	8.97	8.97	8.97	8.98	8.08	9.88
Aroclor-1260 {3}	9.46	9.46	9.46	9.45	9.45	9.46	8.56	10.36
Aroclor-1260 {4}	9.95	9.95	9.94	9.94	9.94	9.94	9.04	10.84
Aroclor-1260 {5}	11.00	11.00	10.99	10.99	10.99	11.00	10.10	11.90

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/12/2013

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

Data File: Y7201.D Y7200.D Y7199.D Y7198.D Y7197.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	1404473	1512107	1461940	1529557	1505244	1482664	3.39
Aroclor-1016 {2}	2060111	2124227	2085127	2194581	2155515	2123912	2.53
Aroclor-1016 {3}	2668783	2911424	2796177	2961941	2894738	2846613	4.08
Aroclor-1016 {4}	1253570	1637092	1556356	1663417	1621246	1546336	10.89
Aroclor-1016 {5}	2062700	2391158	2302596	2472375	2717602	2389286	10.01
Aroclor-1221			591863				
Aroclor-1221 {2}			1033971				
Aroclor-1221 {3}			646191				
Aroclor-1221 {4}			2355960				
Aroclor-1221 {5}			376483				
Aroclor-1232			1471771				
Aroclor-1232 {2}			818069				
Aroclor-1232 {3}			733098				
Aroclor-1232 {4}			777808				
Aroclor-1232 {5}			1072794				
Aroclor-1242			1753710				
Aroclor-1242 {2}			1092382				
Aroclor-1242 {3}			1560335				
Aroclor-1242 {4}			2584403				
Aroclor-1242 {5}			2138831				
Aroclor-1248			3679916				
Aroclor-1248 {2}			2114517				
Aroclor-1248 {3}			2807980				
Aroclor-1248 {4}			4989155				
Aroclor-1248 {5}			3841968				
Aroclor-1254			4986206				
Aroclor-1254 {2}			3080651				
Aroclor-1254 {3}			6146569				
Aroclor-1254 {4}			3954524				
Aroclor-1254 {5}			6730381				
Aroclor-1260	5517086	6209378	6405352	6962773	6366206	6292159	8.24
Aroclor-1260 {2}	2114533	2667378	2850022	3064591	2957047	2730714	13.71
Aroclor-1260 {3}	6854459	8122763	8282248	8970126	8835759	8213071	10.22
Aroclor-1260 {4}	3111139	3746902	3662139	4074223	4125735	3744028	10.87
Aroclor-1260 {5}	1507878	1761554	2133833	2070016	2055752	1905806	13.90
						Average %RSD	8.78

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/12/2013

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

Data File: Y7201.C Y7200.C Y7199.C Y7198.C Y7197.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1016	3.73	3.73	3.73	3.73	3.73	3.73	3.66	3.80
Aroclor-1016 {2}	4.32	4.32	4.32	4.32	4.32	4.32	4.25	4.39
Aroclor-1016 {3}	5.07	5.07	5.07	5.07	5.07	5.07	5.00	5.14
Aroclor-1016 {4}	5.27	5.27	5.27	5.27	5.27	5.27	5.20	5.34
Aroclor-1016 {5}	5.44	5.44	5.44	5.44	5.44	5.44	5.37	5.51
Aroclor-1221			2.42				2.35	2.49
Aroclor-1221 {2}			3.40				3.33	3.47
Aroclor-1221 {3}			3.63				3.56	3.70
Aroclor-1221 {4}			3.73				3.66	3.80
Aroclor-1221 {5}			5.07				5.00	5.14
Aroclor-1232			3.73				3.66	3.80
Aroclor-1232 {2}			4.70				4.63	4.77
Aroclor-1232 {3}			5.27				5.20	5.34
Aroclor-1232 {4}			5.44				5.37	5.51
Aroclor-1232 {5}			6.04				5.97	6.11
Aroclor-1242			4.70				4.63	4.77
Aroclor-1242 {2}			5.44				5.37	5.51
Aroclor-1242 {3}			6.04				5.97	6.11
Aroclor-1242 {4}			6.19				6.12	6.26
Aroclor-1242 {5}			6.74				6.67	6.81
Aroclor-1248			5.06				4.98	5.14
Aroclor-1248 {2}			5.64				5.56	5.72
Aroclor-1248 {3}			6.04				5.96	6.12
Aroclor-1248 {4}			6.19				6.11	6.27
Aroclor-1248 {5}			6.55				6.47	6.63
Aroclor-1254			7.03				6.95	7.11
Aroclor-1254 {2}			7.61				7.53	7.69
Aroclor-1254 {3}			8.24				8.15	8.33
Aroclor-1254 {4}			8.46				8.37	8.55
Aroclor-1254 {5}			9.05				8.96	9.14
Aroclor-1260	7.80	7.80	7.80	7.80	7.79	7.80	6.90	8.70
Aroclor-1260 {2}	8.05	8.05	8.05	8.05	8.05	8.05	7.15	8.95
Aroclor-1260 {3}	9.63	9.63	9.63	9.63	9.63	9.63	8.73	10.53
Aroclor-1260 {4}	10.15	10.14	10.14	10.14	10.14	10.14	9.24	11.04
Aroclor-1260 {5}	10.73	10.73	10.73	10.73	10.73	10.73	9.83	11.63

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/12/2013

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

Data File: Y7201.C Y7200.C Y7199.C Y7198.C Y7197.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1016	728558	743773	577176	593927	568035	642294	13.45
Aroclor-1016 {2}	1400617	1339244	1196892	1193618	1146234	1255321	8.66
Aroclor-1016 {3}	3023923	2865372	2570680	2678056	2622297	2752066	6.85
Aroclor-1016 {4}	1565292	1247814	1190087	1194328	1170473	1273599	13.00
Aroclor-1016 {5}	1044219	1103742	862465	895079	905344	962170	10.96
Aroclor-1221			339614				
Aroclor-1221 {2}			367313				
Aroclor-1221 {3}			260472				
Aroclor-1221 {4}			916465				
Aroclor-1221 {5}			158931				
Aroclor-1232			579493				
Aroclor-1232 {2}			224741				
Aroclor-1232 {3}			546558				
Aroclor-1232 {4}			374480				
Aroclor-1232 {5}			506260				
Aroclor-1242			439291				
Aroclor-1242 {2}			742874				
Aroclor-1242 {3}			950495				
Aroclor-1242 {4}			797180				
Aroclor-1242 {5}			1511390				
Aroclor-1248			1432913				
Aroclor-1248 {2}			2187639				
Aroclor-1248 {3}			1538543				
Aroclor-1248 {4}			1400851				
Aroclor-1248 {5}			734691				
Aroclor-1254			1849067				
Aroclor-1254 {2}			1483390				
Aroclor-1254 {3}			1327602				
Aroclor-1254 {4}			914314				
Aroclor-1254 {5}			2105403				
Aroclor-1260	1058520	1093557	933105	972317	952084	1001917	7.00
Aroclor-1260 {2}	1744560	1707049	1460817	1504924	1462837	1576037	8.79
Aroclor-1260 {3}	1085294	1331746	1176787	1261048	1260457	1223066	7.73
Aroclor-1260 {4}	2738678	2966632	2655979	2811737	2833505	2801306	4.13
Aroclor-1260 {5}	2044207	1856149	1924554	2028617	2032456	1977197	4.20
						Average %RSD	8.48

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/12/2013

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

Data File: Y7201.D Y7200.D Y7199.D Y7198.D Y7197.D

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			8.59				8.47	8.71
Aroclor-1262 {2}			9.46				9.34	9.58
Aroclor-1262 {3}			10.08				9.96	10.20
Aroclor-1262 {4}			10.17				10.05	10.29
Aroclor-1262 {5}			11.00				10.88	11.12
Aroclor-1268			10.08				9.96	10.20
Aroclor-1268 {2}			10.17				10.05	10.29
Aroclor-1268 {3}			10.63				10.51	10.75
Aroclor-1268 {4}			10.76				10.64	10.88
Aroclor-1268 {5}			11.60				11.48	11.72

GC Column (2nd): DB-1701P

Data File: Y7201.C Y7200.C Y7199.C Y7198.C Y7197.C

Compound	RT OF STANDARDS 10	50	500	1000	2000	MEAN RT	RT WINDOW FROM	TO
Aroclor-1262			9.63				9.51	9.75
Aroclor-1262 {2}			10.14				10.02	10.26
Aroclor-1262 {3}			10.63				10.51	10.75
Aroclor-1262 {4}			10.72				10.60	10.84
Aroclor-1262 {5}			11.32				11.20	11.44
Aroclor-1268			10.63				10.51	10.75
Aroclor-1268 {2}			10.71				10.59	10.83
Aroclor-1268 {3}			10.96				10.84	11.08
Aroclor-1268 {4}			11.11				10.99	11.23
Aroclor-1268 {5}			12.18				12.06	12.30

AROCLOR INITIAL CALIBRATION SUMMARY

Date Analyzed: 04/12/2013

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

Data File: Y7201.D Y7200.D Y7199.D Y7198.D Y7197.D

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			5744614				
Aroclor-1262 {2}			12295422				
Aroclor-1262 {3}			4753916				
Aroclor-1262 {4}			6595250				
Aroclor-1262 {5}			4719041				
Aroclor-1268			12560575				
Aroclor-1268 {2}			17095527				
Aroclor-1268 {3}			12431325				
Aroclor-1268 {4}			3643807				
Aroclor-1268 {5}			40564176				

GC Column (2nd): DB-1701P

Data File: Y7201.C Y7200.C Y7199.C Y7198.C Y7197.C

Compound	CALIBRATION FACTORS 10	50	500	1000	2000	MEAN	%RSD
Aroclor-1262			1794108				
Aroclor-1262 {2}			4290786				
Aroclor-1262 {3}			1341523				
Aroclor-1262 {4}			3101511				
Aroclor-1262 {5}			910368				
Aroclor-1268			3843444				
Aroclor-1268 {2}			4584183				
Aroclor-1268 {3}			3529057				
Aroclor-1268 {4}			1181125				
Aroclor-1268 {5}			10572745				

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/12/2013 **Instrument ID:** GC-Y

Data File: Y7209.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.25	3.18	3.32	1482664	1577247	6.38
Aroclor-1016 {2}	4.08	4.01	4.15	2123912	2169870	2.16
Aroclor-1016 {3}	4.63	4.56	4.70	2846613	2987442	4.95
Aroclor-1016 {4}	5.13	5.06	5.20	1546336	1671512	8.10
Aroclor-1016 {5}	5.53	5.45	5.59	2389286	2463043	3.09
Aroclor-1260	8.31	7.41	9.21	6292159	7057488	12.16
Aroclor-1260 {2}	8.98	8.08	9.88	2730714	3078205	12.73
Aroclor-1260 {3}	9.46	8.56	10.36	8213071	9391205	14.34
Aroclor-1260 {4}	9.94	9.04	10.84	3744028	4128592	10.27
Aroclor-1260 {5}	11.00	10.10	11.90	1905806	2151463	12.89
					Average %D	8.71

Data File: Y7209.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.73	3.66	3.80	642294	621892	3.18
Aroclor-1016 {2}	4.32	4.25	4.39	1255321	1250040	0.42
Aroclor-1016 {3}	5.07	5.00	5.14	2752066	2766702	0.53
Aroclor-1016 {4}	5.27	5.20	5.34	1273599	1246735	2.11
Aroclor-1016 {5}	5.45	5.37	5.51	962170	930104	3.33
Aroclor-1260	7.79	6.90	8.70	1001917	1002883	0.10
Aroclor-1260 {2}	8.05	7.15	8.95	1576037	1581743	0.36
Aroclor-1260 {3}	9.63	8.73	10.53	1223066	1320729	7.99
Aroclor-1260 {4}	10.14	9.24	11.04	2801306	3037673	8.44
Aroclor-1260 {5}	10.73	9.83	11.63	1977197	2215978	12.08
					Average %D	3.85

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/13/2013 **Instrument ID:** GC-Y

Data File: Y7223.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.25	3.18	3.32	1482664	1577094	6.37
Aroclor-1016 {2}	4.08	4.01	4.15	2123912	2190504	3.14
Aroclor-1016 {3}	4.63	4.56	4.70	2846613	3003913	5.53
Aroclor-1016 {4}	5.13	5.06	5.20	1546336	1684388	8.93
Aroclor-1016 {5}	5.53	5.45	5.59	2389286	2463657	3.11
Aroclor-1260	8.31	7.41	9.21	6292159	6997544	11.21
Aroclor-1260 {2}	8.98	8.08	9.88	2730714	3150327	15.37
Aroclor-1260 {3}	9.46	8.56	10.36	8213071	9271432	12.89
Aroclor-1260 {4}	9.94	9.04	10.84	3744028	4089231	9.22
Aroclor-1260 {5}	11.00	10.10	11.90	1905806	2129789	11.75
					Average %D	8.75

Data File: Y7223.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.72	3.66	3.80	642294	623333	2.95
Aroclor-1016 {2}	4.32	4.25	4.39	1255321	1249940	0.43
Aroclor-1016 {3}	5.07	5.00	5.14	2752066	2764235	0.44
Aroclor-1016 {4}	5.27	5.20	5.34	1273599	1247670	2.04
Aroclor-1016 {5}	5.44	5.37	5.51	962170	931855	3.15
Aroclor-1260	7.79	6.90	8.70	1001917	1010374	0.84
Aroclor-1260 {2}	8.05	7.15	8.95	1576037	1598519	1.43
Aroclor-1260 {3}	9.63	8.73	10.53	1223066	1378274	12.69
Aroclor-1260 {4}	10.14	9.24	11.04	2801306	3208917	14.55
Aroclor-1260 {5}	10.73	9.83	11.63	1977197	2347773	18.74
					Average %D	5.73

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/15/2013 **Instrument ID:** GC-Y

Data File: Y7284.D **GC Column (1st):** DB-5

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.24	3.18	3.32	1482664	1630565	9.98
Aroclor-1016 {2}	4.07	4.01	4.15	2123912	2368552	11.52
Aroclor-1016 {3}	4.62	4.56	4.70	2846613	3396301	19.31
Aroclor-1016 {4}	5.12	5.06	5.20	1546336	1474762	4.63
Aroclor-1016 {5}	5.52	5.45	5.59	2389286	2414392	1.05
Aroclor-1260	8.29	7.41	9.21	6292159	7058837	12.18
Aroclor-1260 {2}	8.96	8.08	9.88	2730714	3114839	14.07
Aroclor-1260 {3}	9.44	8.56	10.36	8213071	9383017	14.24
Aroclor-1260 {4}	9.92	9.04	10.84	3744028	4361284	16.49
Aroclor-1260 {5}	10.98	10.10	11.90	1905806	2157885	13.23
					Average %D	11.67

Data File: Y7284.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.73	3.66	3.80	642294	650349	1.25
Aroclor-1016 {2}	4.32	4.25	4.39	1255321	1432623	14.12
Aroclor-1016 {3}	5.07	5.00	5.14	2752066	3206335	16.51
Aroclor-1016 {4}	5.27	5.20	5.34	1273599	1318491	3.52
Aroclor-1016 {5}	5.45	5.37	5.51	962170	1012702	5.25
Aroclor-1260	7.79	6.90	8.70	1001917	1129638	12.75
Aroclor-1260 {2}	8.04	7.15	8.95	1576037	1660388	5.35
Aroclor-1260 {3}	9.63	8.73	10.53	1223066	1427991	16.76
Aroclor-1260 {4}	10.13	9.24	11.04	2801306	2989796	6.73
Aroclor-1260 {5}	10.72	9.83	11.63	1977197	2277224	15.17
					Average %D	9.74

AROCLOR CALIBRATION VERIFICATION SUMMARY

Date/Time Analyzed: 04/15/2013 **Instrument ID:** GC-Y

Data File: Y7288.D **GC Column (1st):** DB-5

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.25	3.18	3.32	1482664	1731341	16.77
Aroclor-1016 {2}	4.07	4.01	4.15	2123912	2511957	18.27
Aroclor-1016 {3}	4.62	4.56	4.70	2846613	3289009	15.54
Aroclor-1016 {4}	5.13	5.06	5.20	1546336	1826200	18.10
Aroclor-1016 {5}	5.52	5.45	5.59	2389286	2726393	14.11
Aroclor-1260	8.30	7.41	9.21	6292159	7195630	14.36
Aroclor-1260 {2}	8.97	8.08	9.88	2730714	2961045	8.43
Aroclor-1260 {3}	9.45	8.56	10.36	8213071	9396968	14.41
Aroclor-1260 {4}	9.93	9.04	10.84	3744028	4458192	19.07
Aroclor-1260 {5}	10.99	10.10	11.90	1905806	2218270	16.40
					Average %D	15.55

Data File: Y7288.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WI NDOW FROM	TO	Avg CF	CC CF	%D
Aroclor-1016	3.73	3.66	3.80	642294	705673	9.87
Aroclor-1016 {2}	4.32	4.25	4.39	1255321	1439411	14.66
Aroclor-1016 {3}	5.07	5.00	5.14	2752066	3079777	11.91
Aroclor-1016 {4}	5.27	5.20	5.34	1273599	1351729	6.13
Aroclor-1016 {5}	5.44	5.37	5.51	962170	1025330	6.56
Aroclor-1260	7.79	6.90	8.70	1001917	1126853	12.47
Aroclor-1260 {2}	8.04	7.15	8.95	1576037	1743036	10.60
Aroclor-1260 {3}	9.63	8.73	10.53	1223066	1435180	17.34
Aroclor-1260 {4}	10.14	9.24	11.04	2801306	3131800	11.80
Aroclor-1260 {5}	10.72	9.83	11.63	1977197	2282093	15.42
					Average %D	11.68

PCB RETENTION TIME SHIFT SUMMARY

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

Surrogate RT from initial calibration :

TCMX 1 2.80 **DCB 1** 12.07 **TCMX 2** 2.88 **DCB 2** 12.41

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS130328-13	03/29/2013	14:19	2.79		12.06		2.88		12.41	
SB-5_3-3.5	02707-001	03/29/2013	14:36	2.80		12.06		2.87		12.40	
SB-5E_2.5-	02707-002	03/29/2013	14:53	2.80		12.07		2.87		12.41	
SB-5E_3-3.	02707-003	03/29/2013	15:10	2.80		12.07		2.87		12.41	
SB-5W_2.5-	02707-004	03/29/2013	15:27	2.80		12.06		2.87		12.40	
SB-5W_3-3.	02707-005	03/29/2013	15:44	2.80		12.07		2.87		12.40	
SB-5S_2.5-	02707-006	03/29/2013	16:21	2.79		12.07		2.88		12.41	
SB-5S_3-3.	02707-007	03/29/2013	16:38	2.80		12.07		2.87		12.41	
SB-5N_2.5-	02707-008	03/29/2013	16:55	2.80		12.07		2.87		12.40	
SB-5N_3-3.	02707-009	03/29/2013	17:12	2.80		12.06		2.87		12.40	
PCB	02707-007MS	03/29/2013	17:30	2.80		12.07		2.87		12.41	
PCB	02707-007MSD	03/29/2013	17:47	2.80		12.07		2.87		12.41	
PCB	LCSS130328-13	03/29/2013	18:04	2.80		12.07		2.87		12.41	
MP	02299-001	03/29/2013	19:30	2.80		12.06		2.87		12.40	
WC1(0-6)/0	02650-001	03/29/2013	19:47	2.80		12.07		2.87		12.40	
WC1(6-8)/6	02650-002	03/29/2013	20:04	2.80		12.07		2.87		12.40	
WC1(8-14)/	02650-003	03/29/2013	20:21	2.80		12.07		2.88		12.41	
SB60WC/0-1	02650-004	03/29/2013	20:38	2.80		12.07		2.87		12.40	

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** 2.61 **DCB 2** 12.04

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS130410-05	04/11/2013	15:11	2.75		12.10		2.61		12.04	
SB3A/2.5-3	02676-001	04/11/2013	15:28	2.75		12.10		2.61		12.04	
Q-18W(0-2.	03191-026	04/11/2013	15:46	2.76		12.10		2.61		12.04	
PCB	03191-026MS	04/11/2013	16:03	2.76		12.10		2.61		12.04	
PCB	03191-026MSD	04/11/2013	16:21	2.76		12.10		2.61		12.04	
PCB	LCSS130410-05	04/11/2013	16:38	2.75		12.10		2.61		12.04	
AOC-29C-PE	03128-024	04/11/2013	17:15	2.76		12.10		2.61		12.04	
AOC-29C-PE	03128-025	04/11/2013	17:32	2.76		12.10		2.61		12.04	
AOC-29C-PE	03128-026	04/11/2013	17:49	2.75		12.10		2.61		12.04	
AOC-29C-PE	03128-027	04/11/2013	18:39	2.75		12.10		2.62		12.05	
AOC-1-PEX-	03128-030	04/11/2013	18:56	2.75		12.10		2.61		12.04	
AOC-1-PEX-	03128-031	04/11/2013	19:13	2.76		12.10		2.61		12.04	
AOC-1-PEX-	03128-032	04/11/2013	19:31	2.76		12.10		2.61		12.04	
AOC-1-PEX-	03128-033	04/11/2013	19:48	2.76		12.10		2.61		12.04	
AOC-1-PEX-	03128-034	04/11/2013	20:06	2.76		12.10		2.61		12.04	
AOC-3-PEX-	03128-035	04/11/2013	20:23	2.76		12.10		2.61		12.04	
AOC-3-PEX-	03128-036	04/11/2013	20:40	2.76		12.10		2.61		12.04	
AOC-3-PEX-	03128-037	04/11/2013	20:58	2.76		12.10		2.61		12.04	
WC-1	03192-001	04/11/2013	21:15	2.76		12.10		2.61		12.04	
Q-18E(4.0-	03191-021	04/11/2013	21:33	2.76		12.10		2.61		12.04	
Q-18E(5.0-	03191-022	04/11/2013	21:50	2.76		12.10		2.61		12.04	
Q-18E(2.0-	03191-023	04/11/2013	22:07	2.76		12.10		2.61		12.04	
Q-18S(0-2.	03191-024	04/11/2013	22:25	2.76		12.10		2.61		12.04	
Q-18S(2.0-	03191-025	04/11/2013	22:42	2.76		12.10		2.61		12.04	

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-Y **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 2.79 **DCB 1** 12.07 **TCMX 2** 2.87 **DCB 2** 12.41

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS130411-04	04/11/2013	20:54	2.79		12.07		2.87		12.41	
S-1	03215-001	04/11/2013	21:11	2.79		12.06		2.87		12.40	
S-2	03215-002	04/11/2013	21:28	2.79		12.07		2.87		12.40	
S-3	03215-003	04/11/2013	21:45	2.79		12.06		2.87		12.40	
S-4	03215-004	04/11/2013	22:02	2.79		12.06		2.87		12.40	
S-5	03215-005	04/11/2013	22:20	2.79		12.06		2.87		12.39	
C-1	03242-001	04/11/2013	22:37	2.79		12.06		2.87		12.40	
C-2	03242-002	04/11/2013	22:54	2.79		12.07		2.87		12.40	
C-3	03242-003	04/11/2013	23:11	2.79		12.06		2.87		12.40	
C-4	03242-004	04/11/2013	23:28	2.79		12.06		2.87		12.40	
C-5	03242-005	04/11/2013	23:45	2.79		12.06		2.87		12.40	
Q-17S(4.0-	03191-029	04/12/2013	00:37	2.79		12.07		2.87		12.40	
Q-17S(5.0-	03191-030	04/12/2013	00:54	2.79		12.07		2.87		12.40	
Q-17E(4.0-	03191-032	04/12/2013	01:28	2.79		12.07		2.87		12.40	
Q-17E(5.0-	03191-033	04/12/2013	01:45	2.79		12.07		2.87		12.41	
PCB	03215-001MS	04/12/2013	02:54	2.79		12.06		2.87		12.40	
PCB	03215-001MSD	04/12/2013	03:11	2.79		12.06		2.87		12.40	
PCB	LCSS130411-04	04/12/2013	04:03	2.79		12.07		2.87		12.40	

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** **2.61** **DCB 2** **12.04**

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKA130410-06	04/12/2013	11:47	2.75		12.10		2.61		12.04	
ES-MW-19B	03057-001	04/12/2013	12:05	2.75		12.10		2.61		12.04	
FB-63	03068-028	04/12/2013	12:22	2.76		12.10		2.61		12.04	
FB-64	03119-029	04/12/2013	12:39	2.75		12.10		2.61		12.04	
FB-65	03153-027	04/12/2013	12:57	2.75		12.10		2.61		12.04	
FB-66	03191-040	04/12/2013	13:14	2.75		12.10		2.61		12.04	
PCB	03057-001MS	04/12/2013	13:32	2.75		12.10		2.61		12.04	
PCB	03057-001MSD	04/12/2013	13:49	2.75		12.10		2.61		12.04	
PCB	LCSA130410-06	04/12/2013	14:07	2.76		12.10		2.61		12.04	

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** 2.61 **DCB 2** 12.04

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS130411-14	04/12/2013	20:36	2.75		12.10		2.61		12.04	
OWS-5/7.5-	02767-005	04/12/2013	20:54	2.75		12.10		2.61		12.04	
SEDIMENT_C	02326-020	04/12/2013	21:11	2.76		12.10		2.61		12.04	
Q-17N(5.0-	03191-037	04/12/2013	21:29	2.76		12.10		2.61		12.04	
Q-16W(0-2.	03191-038	04/12/2013	21:46	2.76		12.10		2.61		12.04	
Q-16W(2.0-	03191-039	04/12/2013	22:03	2.76		12.10		2.61		12.04	
PCB	LCSS130411-14	04/12/2013	22:56	2.76		12.10		2.61		12.04	

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-Y **Column:** DB-5/DB-1701P

Surrogate RT from initial calibration :

TCMX 1 2.79 **DCB 1** 12.07 **TCMX 2** 2.87 **DCB 2** 12.40

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS130411-04	04/12/2013	22:01	2.79		12.07		2.87		12.40	
Q-18W(2.0-	03191-027	04/12/2013	22:18	2.79		12.07		2.87		12.40	
Q-18W(4.0-	03191-028	04/12/2013	22:35	2.79		12.07		2.87		12.40	
Q-17N(2.0-	03191-035	04/12/2013	23:27	2.79		12.07		2.87		12.40	
Q-17N(4.0-	03191-036	04/12/2013	23:44	2.79		12.07		2.87		12.40	
PCB	LCSS130411-04	04/13/2013	00:01	2.79		12.07		2.87		12.40	
Q-17E(0-2.	03191-031	04/15/2013	12:51	2.79		12.07		2.87		12.40	
Q-17N(0-2.	03191-034	04/15/2013	13:08	2.78		12.07		2.87		12.39	

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** 2.61 **DCB 2** 12.04

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS130410-04	04/13/2013	00:23	2.76		12.10		2.61		12.04	
R-13S(0-2.	03191-001	04/13/2013	00:40	2.75		12.10		2.61		12.04	
R-13S(2.0-	03191-002	04/13/2013	00:57	2.76		12.10		2.61		12.04	
T-8N(0-2.0	03191-003	04/13/2013	01:15	2.76		12.10		2.61		12.04	
R-17E(4.0-	03191-013	04/13/2013	04:09	2.76		12.10		2.61		12.04	
R-17S(2.0-	03191-014	04/13/2013	04:26	2.75		12.10		2.61		12.04	
R-17S(4.0-	03191-015	04/13/2013	04:44	2.76		12.10		2.61		12.04	
R-18E(4.0-	03191-017	04/13/2013	05:19	2.75		12.10		2.61		12.04	
R-18S(0-2.	03191-018	04/13/2013	05:36	2.75		12.10		2.61		12.04	
R-18S(4.0-	03191-019	04/13/2013	05:54	2.75		12.10		2.61		12.04	
Q-18E(0-2.	03191-020	04/13/2013	06:11	2.75		12.10		2.61		12.04	
PCB	03191-020MS	04/13/2013	06:28	2.76		12.10		2.61		12.04	
PCB	03191-020MSD	04/13/2013	06:46	2.75		12.10		2.61		12.04	
PCB	LCSS130410-04	04/13/2013	07:38	2.76		12.10		2.61		12.04	
R-17E(2.0-	03191-012	04/15/2013	16:34	2.75		12.09		2.61		12.04	
T-8W(0-2.0	03191-004	04/15/2013	16:52	2.75		12.09		2.61		12.03	
T-8S(0-2.0	03191-005	04/15/2013	17:09	2.75		12.09		2.61		12.03	
T-8E(0-2.0	03191-006	04/15/2013	17:27	2.75		12.09		2.61		12.03	
R-16E(0-2.	03191-008	04/15/2013	18:01	2.76		12.09		2.61		12.03	
R-17N(0-2.	03191-009	04/15/2013	18:19	2.75		12.09		2.61		12.03	
R-16N(0-2.	03191-007	04/16/2013	09:45	2.76		12.09		2.61		12.03	
R-17N(2.0-	03191-010	04/16/2013	10:02	2.75		12.09		2.61		12.03	
R-17N(4.0-	03191-011	04/16/2013	10:20	2.75		12.10		2.61		12.04	
R-18E(0-2.	03191-016	04/16/2013	23:10	2.76		12.10		2.61		12.03	

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\04-12-13\
Data File : R8715.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 00:40
Operator : JS
Sample : R-13S(0-2.,03191-001,S,5.03g,11.3,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:09:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1778.7E6	1883.1E6	150.052	161.966
Spiked Amount 200.000			Recovery	=	75.03%	80.98%
2) S DCB	12.10	12.04	468.0E6	551.4E6	149.690	179.451
Spiked Amount 200.000			Recovery	=	74.84%	89.73%
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	417.8E6	442.8E6	990.473	1086.881
24) L6 Aroclor-1248 {2}	4.99	5.30	151.5E6	498.6E6	586.644	792.419 #
25) L6 Aroclor-1248 {3}	5.31	5.69	205.3E6	370.7E6	606.841	819.467 #
26) L6 Aroclor-1248 {4}	6.01	5.84	410.5E6	350.5E6	871.500	911.807
27) L6 Aroclor-1248 {5}	0.00	6.18	0	209.7E6	N.D. d	942.833 #
Sum Aroclor-1248			1185.1E6	1872.4E6	3055.458	4553.408
Average Aroclor-1248					763.865	910.682
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

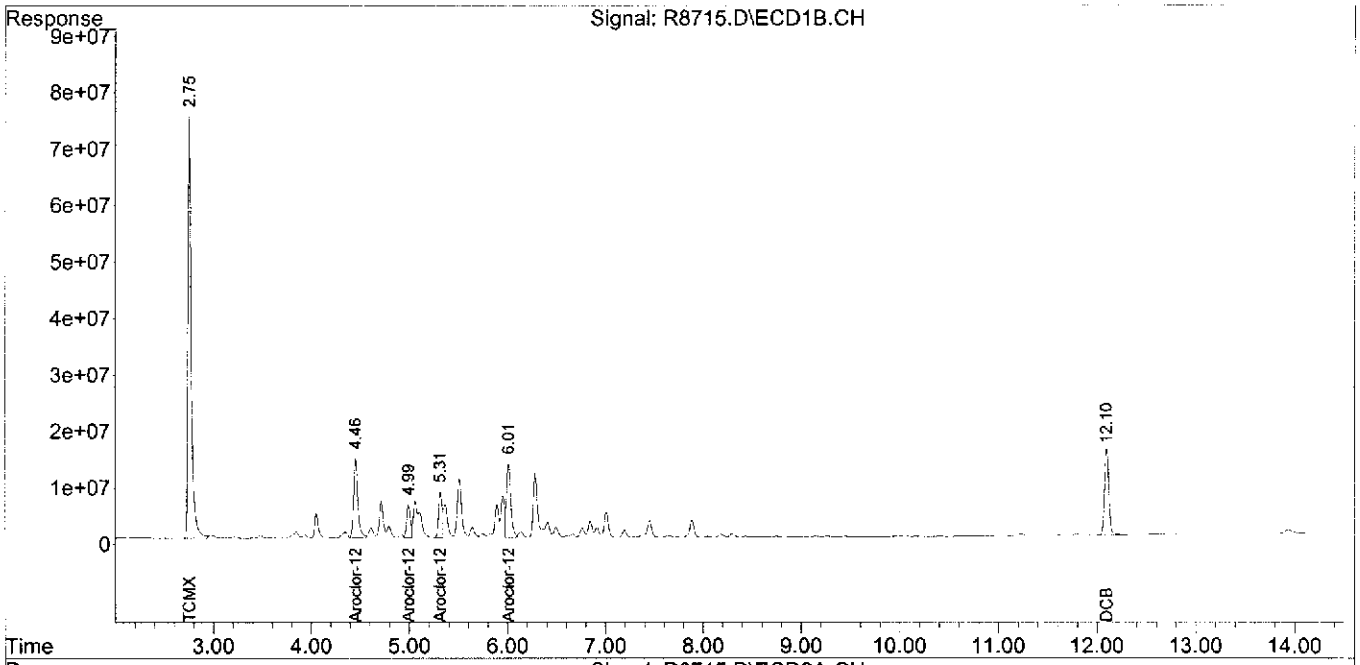
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

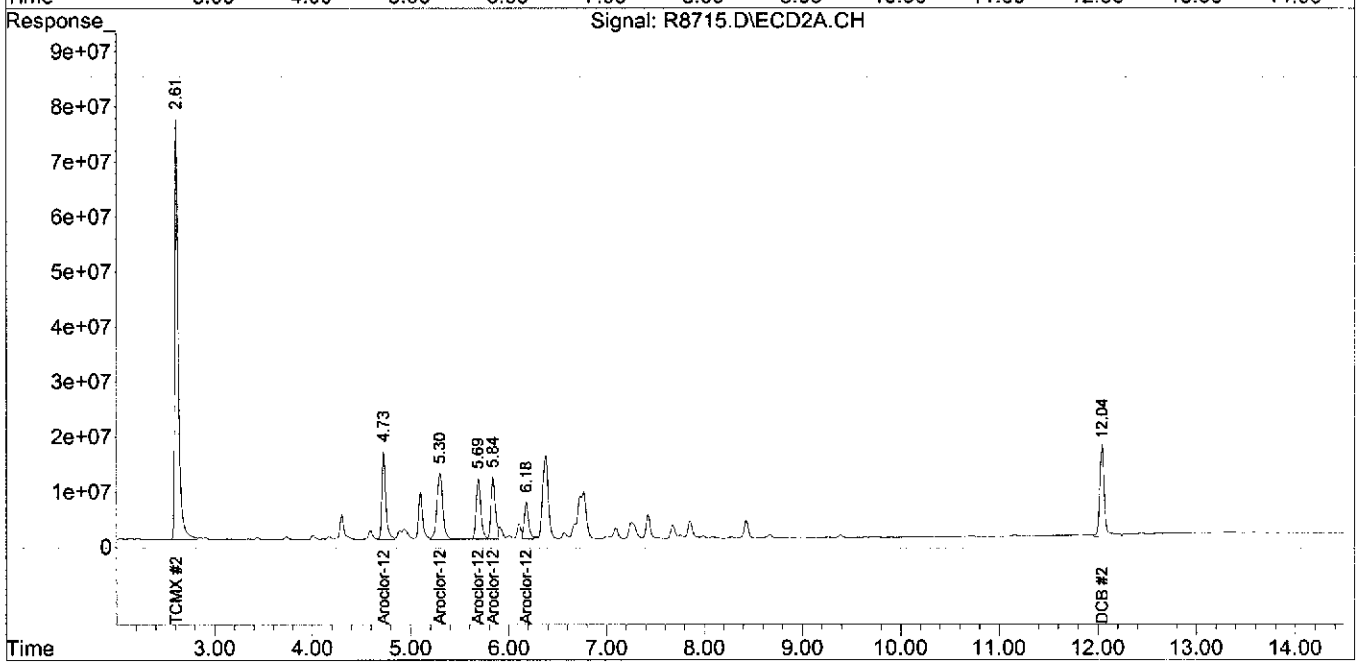
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8715.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 00:40
Operator : JS
Sample : R-13S(0-2.,03191-001,S,5.03g,11.3,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:09:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : R8716.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 00:57
Operator : JS
Sample : R-13S(2.0-,03191-002,S,5.24g,14.0,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:16:28 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1828.2E6	1932.0E6	154.230	166.173
Spiked Amount 200.000			Recovery	=	77.11%	83.09%
2) S DCB	12.10	12.04	484.6E6	512.2E6	155.000	166.706
Spiked Amount 200.000			Recovery	=	77.50%	83.35%
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	4.45	4.73	4394200	4710095	10.417	11.562m
24) L6 Aroclor-1248 {2}	5.00	5.29	1305893	4763206	5.057	7.570m#
25) L6 Aroclor-1248 {3}	5.31	5.69	1703087	4605838	5.034	10.181m#
26) L6 Aroclor-1248 {4}	6.01	5.84	4262689	3943851	9.050m	10.258m
Sum Aroclor-1248			11665868	18022991	29.558	39.572
Average Aroclor-1248					7.389	9.893
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

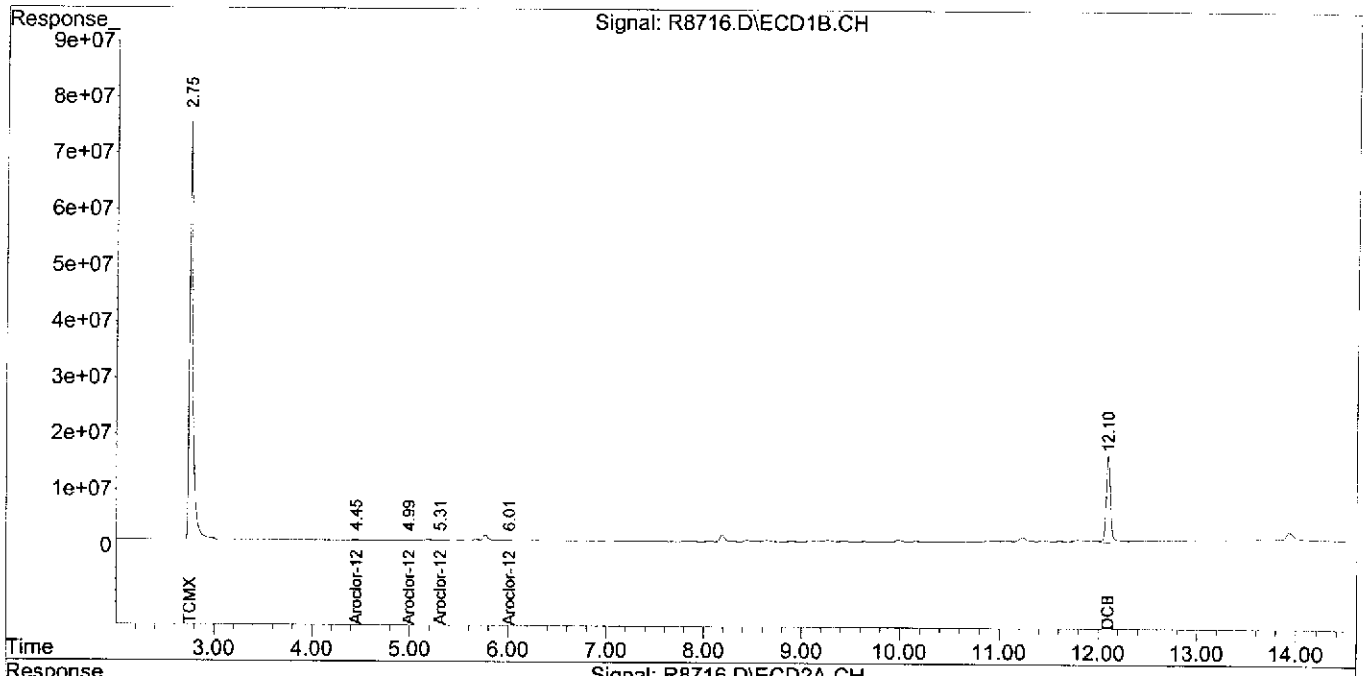
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

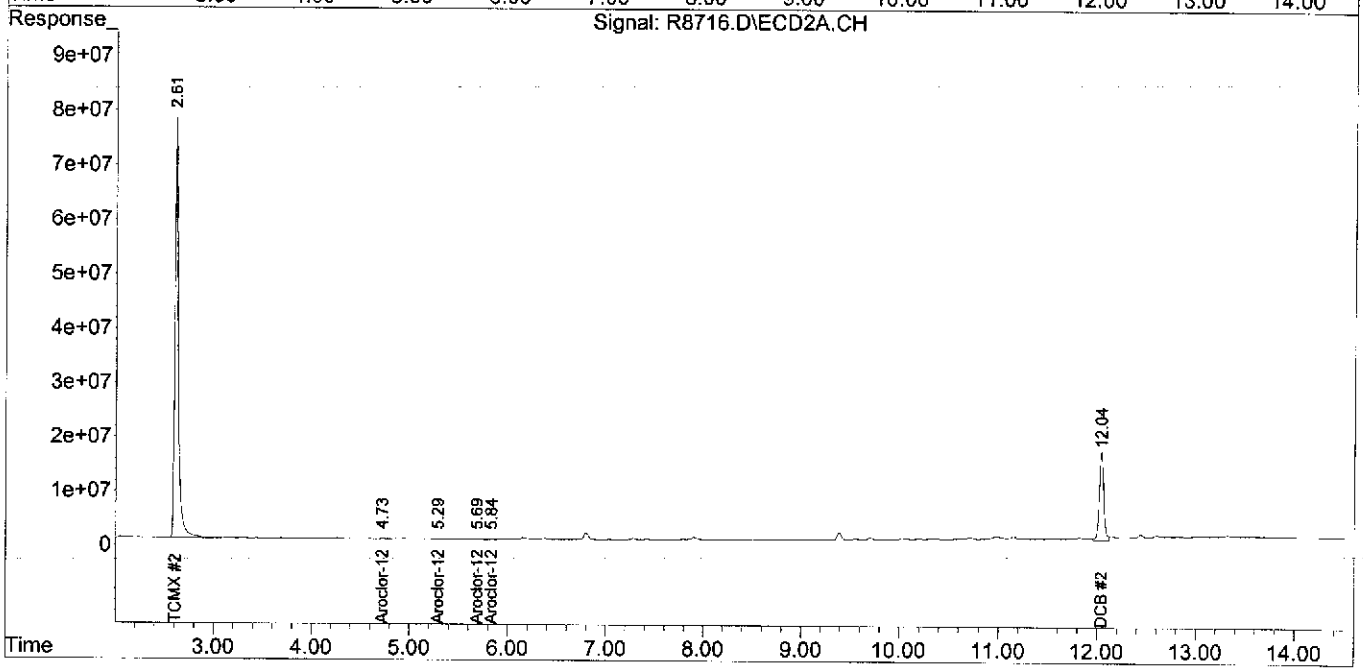
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8716.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 00:57
Operator : JS
Sample : R-13S(2.0-,03191-002,S,5.24g,14.0,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:16:28 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : R8717.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 1:15
Operator : JS
Sample : T-8N(0-2.0,03191-003,S,5.65g,15.1,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:19:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1825.1E6	1909.1E6	153.962	164.201
Spiked Amount 200.000			Recovery	=	76.98%	82.10%
2) S DCB	12.10	12.04	545.5E6	487.7E6	174.486	158.710
Spiked Amount 200.000			Recovery	=	87.24%	79.36%
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	159.5E6	140.2E6	378.138	344.130
24) L6 Aroclor-1248 {2}	4.99	5.30	93651135	380.1E6	362.624	604.135m#
25) L6 Aroclor-1248 {3}	5.31	5.69	144.8E6	301.4E6	428.061	666.163 #
26) L6 Aroclor-1248 {4}	6.01	5.84	363.1E6	323.5E6	771.019	841.501
27) L6 Aroclor-1248 {5}	0.00	6.18	0	179.8E6	N.D. d	808.167 #
Sum Aroclor-1248			761.1E6	1325.0E6	1939.842	3264.096
Average Aroclor-1248					484.961	652.819
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

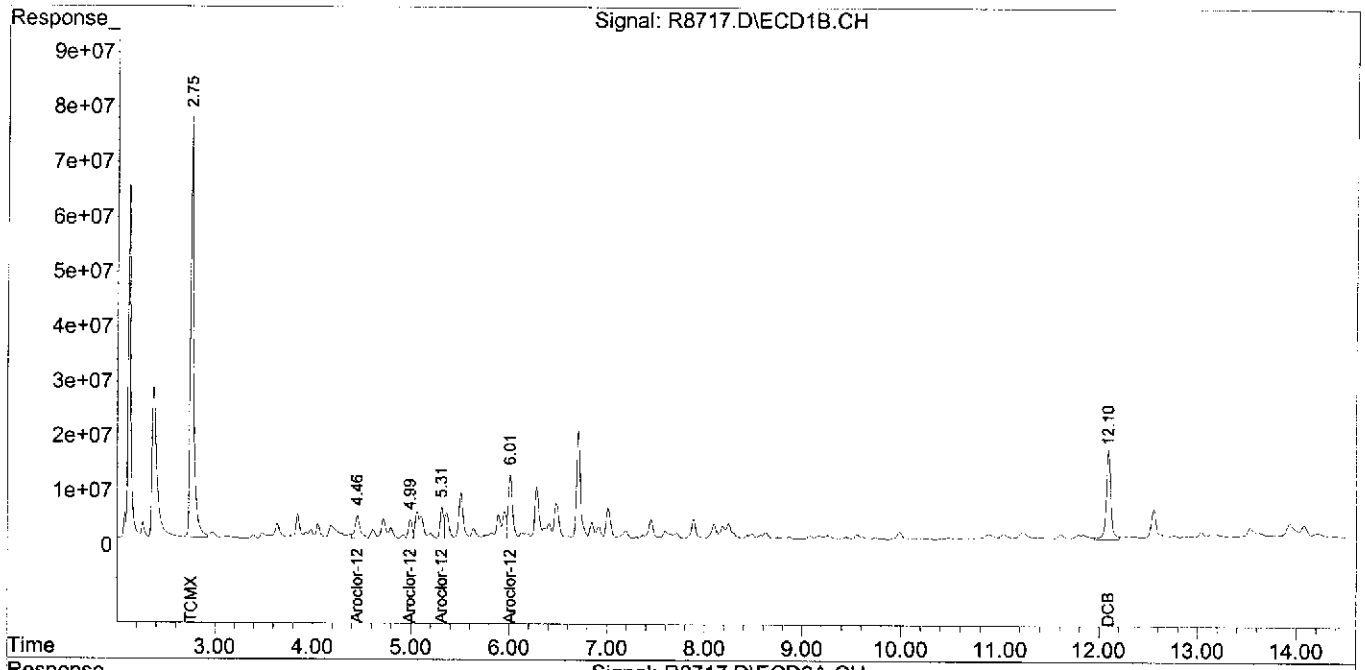
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

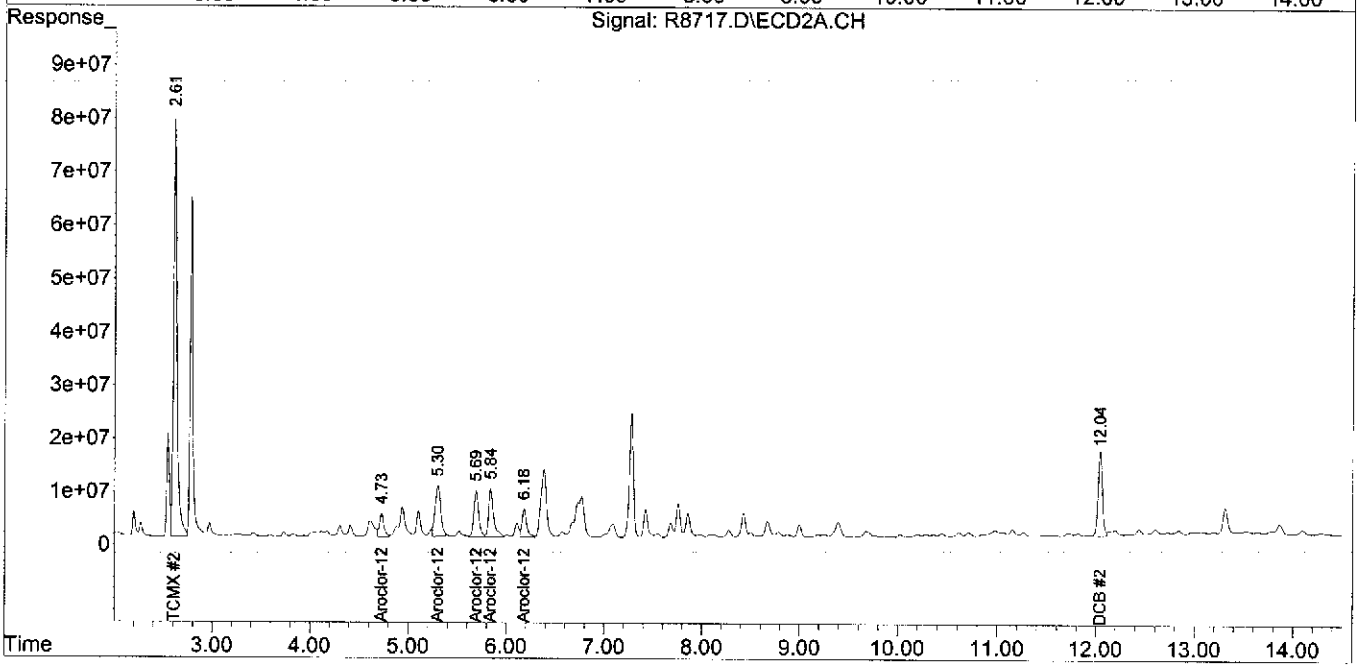
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8717.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 1:15
Operator : JS
Sample : T-8N(0-2.0,03191-003,S,5.65g,15.1,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:19:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-15-13\
Data File : R8781.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 16:52
Operator : JS
Sample : T-8W(0-2.0,03191-004,S,5.01g,16.2,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,10
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:21:30 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	167.8E6	195.7E6	14.153	16.828	
Spiked Amount 200.000			Recovery	=	7.08%	8.41%	
2) S DCB	12.09	12.03	53708892	54697714	17.178m	17.801m	
Spiked Amount 200.000			Recovery	=	8.59%	8.90%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
23) L6 Aroclor-1248	4.45	4.72	532.0E6	595.7E6	1261.251	1462.391	
24) L6 Aroclor-1248 {2}	4.99	5.29	154.2E6	491.5E6	596.949	781.055	#
25) L6 Aroclor-1248 {3}	5.31	5.68	207.7E6	342.7E6	613.991	757.543	
26) L6 Aroclor-1248 {4}	6.01	5.83	281.0E6	261.2E6	596.689	679.325	
27) L6 Aroclor-1248 {5}	0.00	6.17	0	131.1E6	N.D. d	589.116	#
Sum Aroclor-1248			1175.0E6	1822.1E6	3068.881	4269.430	
Average Aroclor-1248					767.220	853.886	
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	

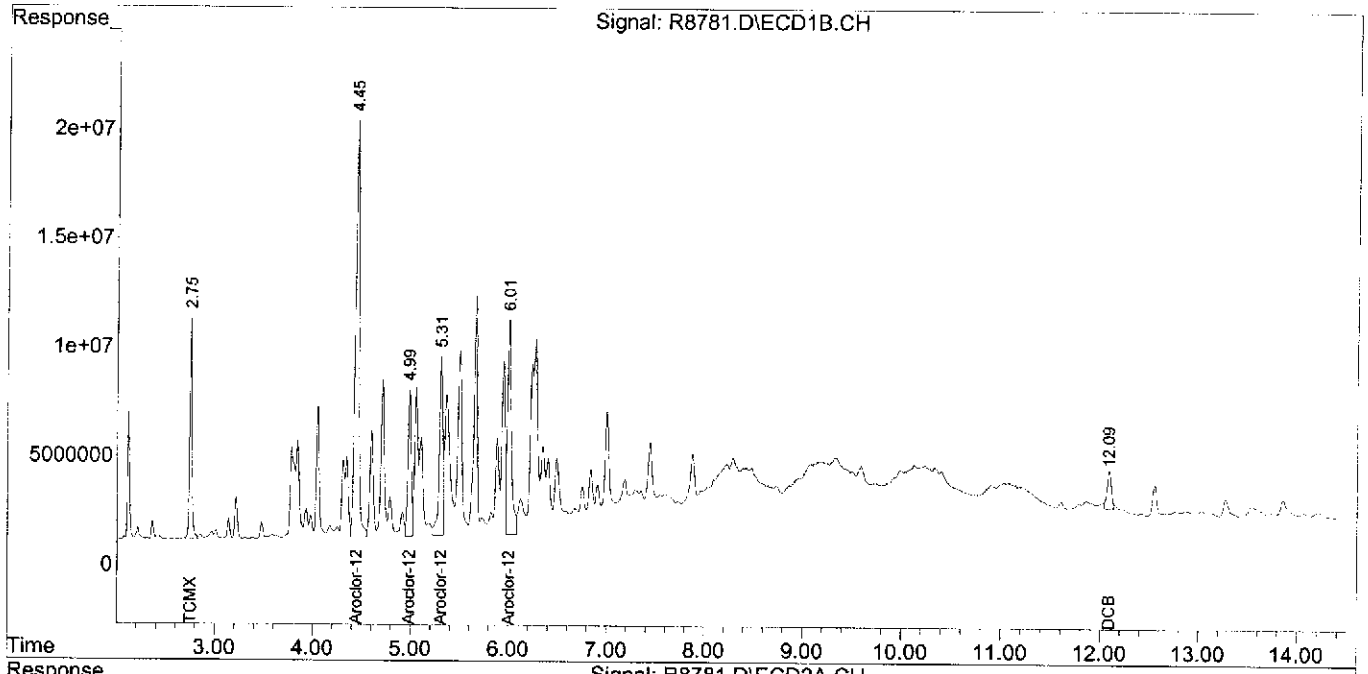
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

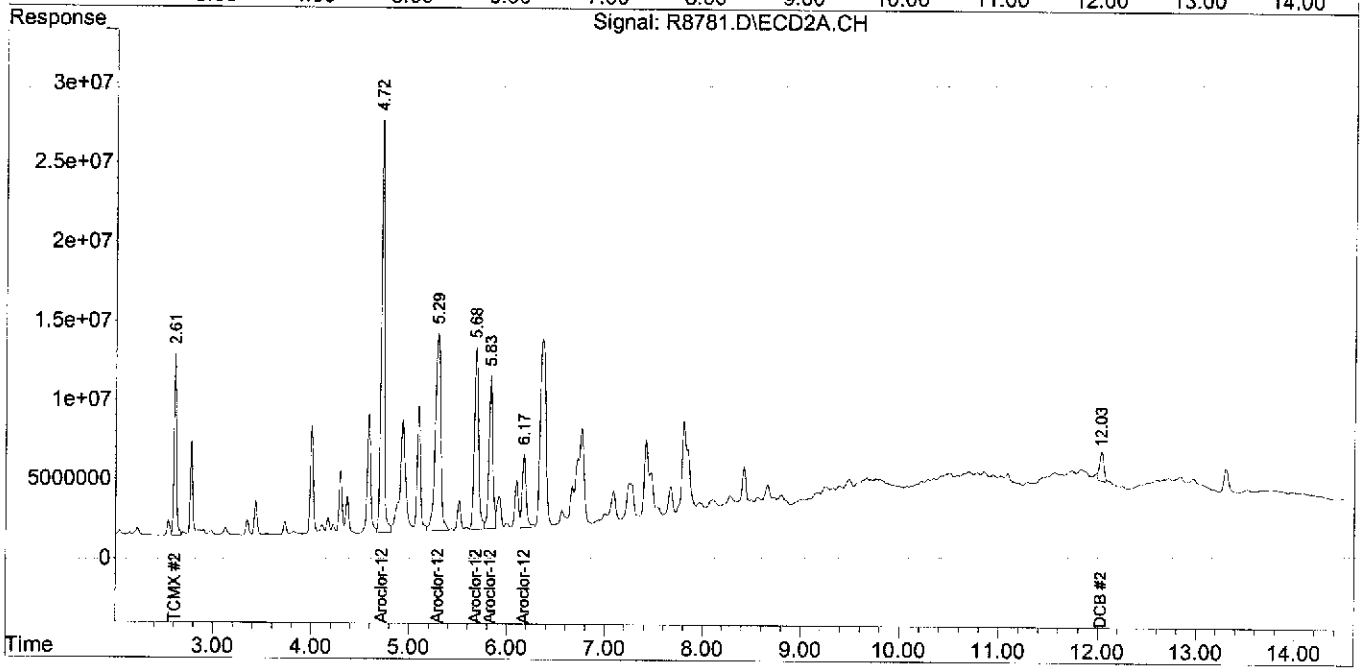
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : R8781.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 16:52
Operator : JS
Sample : T-8W(0-2.0,03191-004,S,5.01g,16.2,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,10
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:21:30 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-15-13\
Data File : R8782.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 17:09
Operator : JS
Sample : T-8S(0-2.0,03191-005,S,5.09g,16.4,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,10
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:23:01 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	166.7E6	200.2E6	14.063	17.219
Spiked Amount 200.000			Recovery	=	7.03%	8.61%
2) S DCB	12.09	12.03	49272815	45745168	15.760m	14.888m
Spiked Amount 200.000			Recovery	=	7.88%	7.44%
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	4.72	470.0E6	504.7E6	1114.232	1238.871
24) L6 Aroclor-1248 {2}	4.99	5.29	130.1E6	501.1E6	503.724	796.408 #
25) L6 Aroclor-1248 {3}	5.31	5.68	193.4E6	312.7E6	571.485	691.306
26) L6 Aroclor-1248 {4}	6.01	5.83	249.0E6	242.7E6	528.616	631.181
27) L6 Aroclor-1248 {5}	0.00	6.17	0	115.5E6	N.D. d	518.994 #
Sum Aroclor-1248			1042.4E6	1676.7E6	2718.057	3876.760
Average Aroclor-1248					679.514	775.352
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

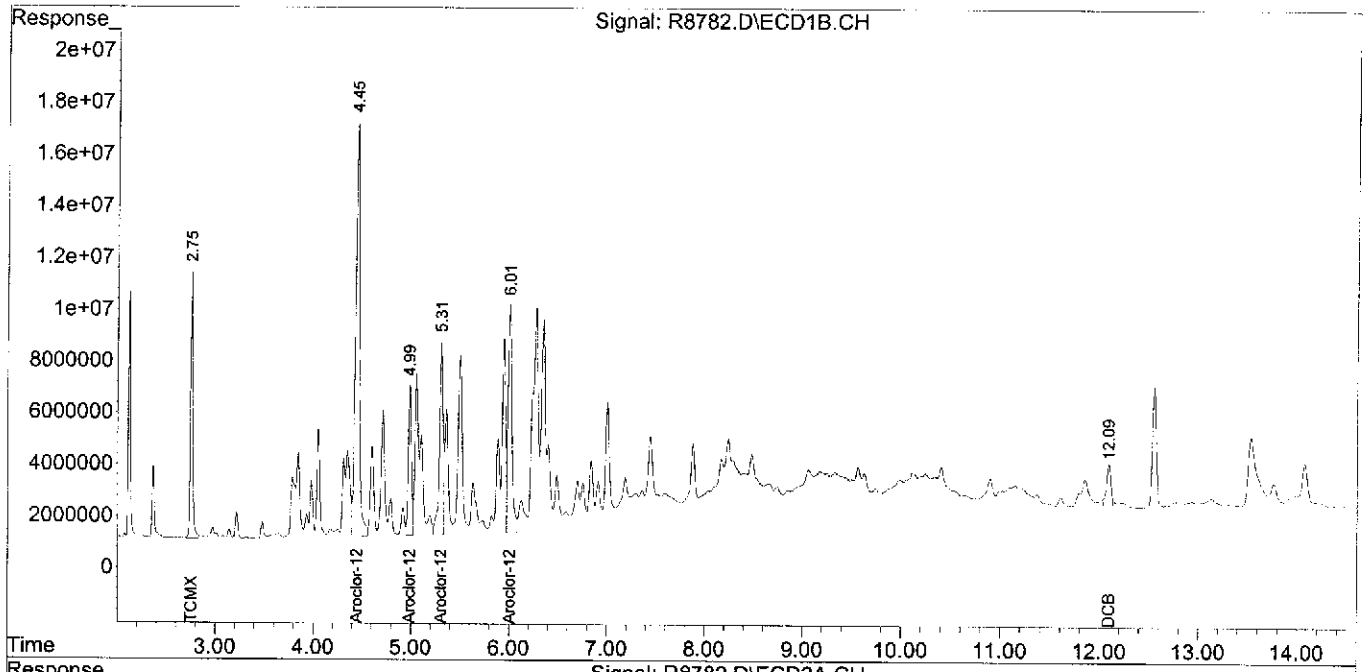
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

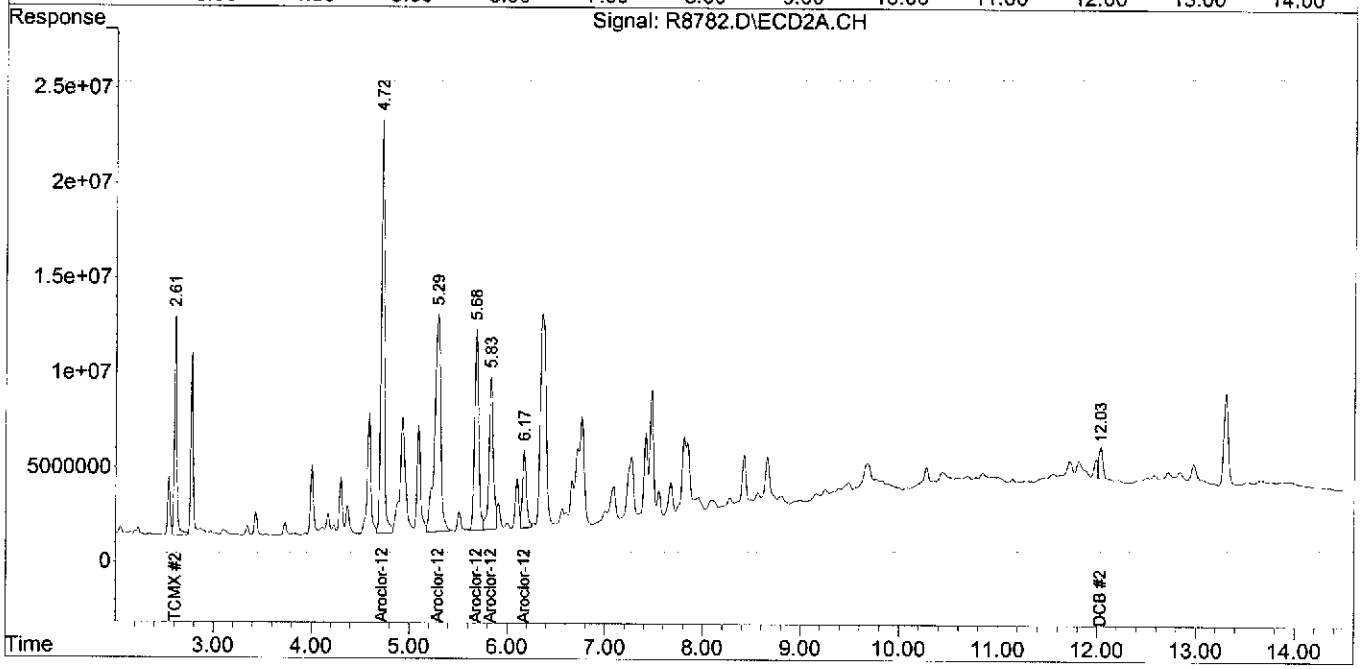
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : R8782.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 17:09
Operator : JS
Sample : T-8S(0-2.0,03191-005,S,5.09g,16.4,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,10
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:23:01 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-15-13\
Data File : R8783.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 17:27
Operator : JS
Sample : T-8E(0-2.0,03191-006,S,5.44g,15.0,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,10
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:23:57 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	169.7E6	195.5E6	14.313	16.817
Spiked Amount 200.000			Recovery	=	7.16%	8.41%
2) S DCB	12.09	12.03	48207849	67229601	15.419m	21.880m#
Spiked Amount 200.000			Recovery	=	7.71%	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	4.45	4.72	240.0E6	280.6E6	569.014	688.742
24) L6 Aroclor-1248 {2}	4.99	5.29	136.5E6	484.3E6	528.448	769.749 #
25) L6 Aroclor-1248 {3}	5.31	5.68	194.0E6	365.0E6	573.448	806.725 #
26) L6 Aroclor-1248 {4}	6.01	5.83	245.1E6	295.9E6	520.379	769.719 #
27) L6 Aroclor-1248 {5}	0.00	6.17	0	135.9E6	N.D. d	610.754 #
Sum Aroclor-1248			815.6E6	1561.7E6	2191.290	3645.690
Average Aroclor-1248					547.822	729.138
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

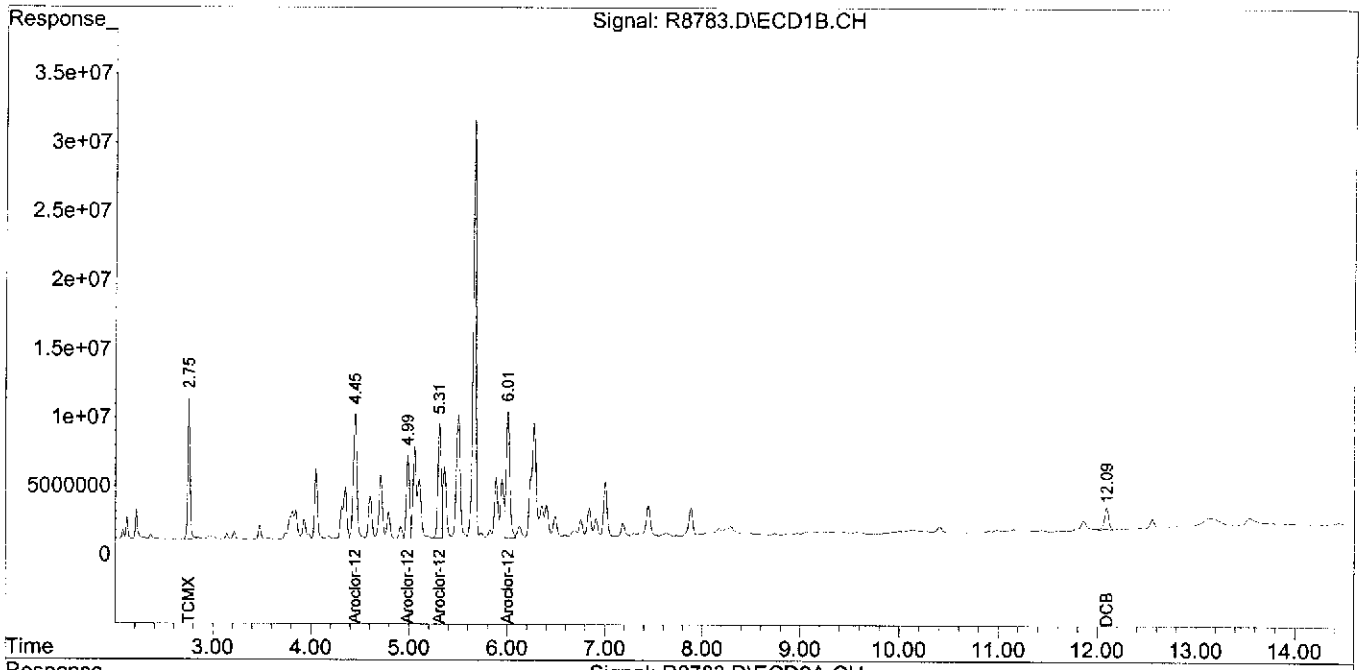
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

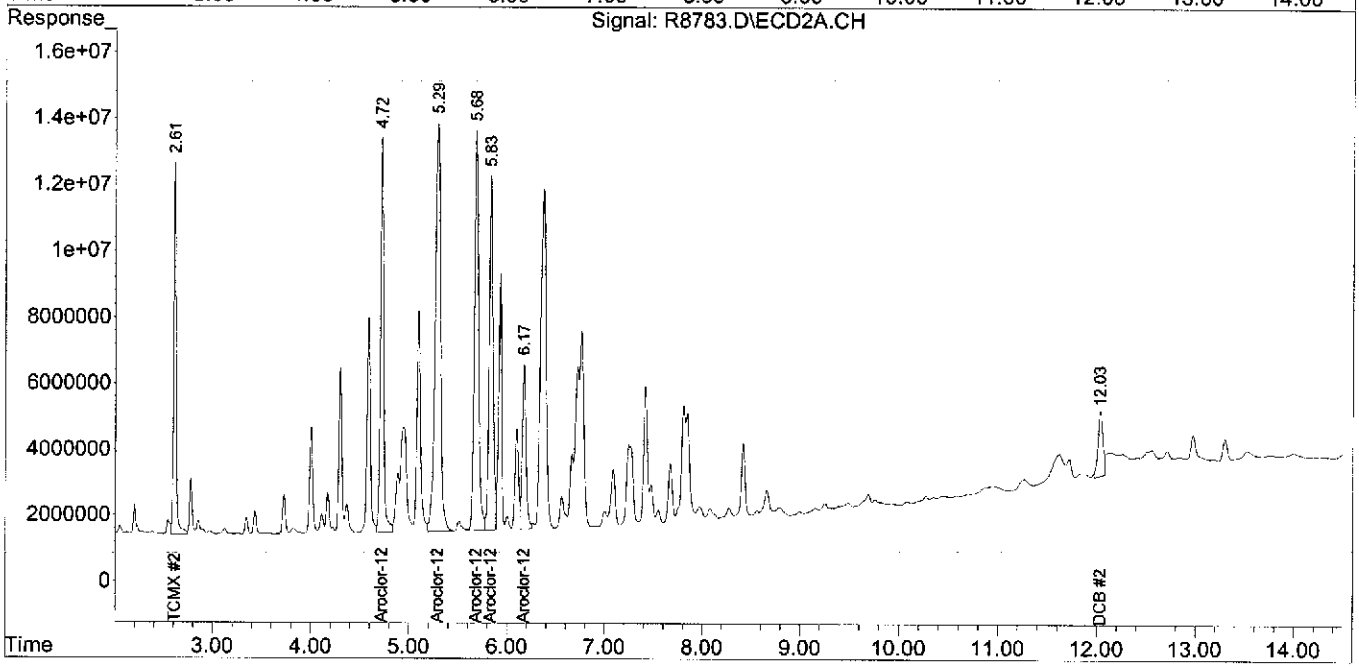
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : R8783.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 17:27
Operator : JS
Sample : T-8E(0-2.0,03191-006,S,5.44g,15.0,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,10
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:23:57 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-16-13\
Data File : R8831.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 9:45
Operator : JS
Sample : R-16N(0-2.,03191-007,S,5.01g,18.5,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,20
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:47:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	82379610	95821362	6.950	8.241
Spiked Amount 200.000			Recovery	=	3.48%	4.12%
2) S DCB	12.09	12.03	23350916	23956036	7.469m	7.797m
Spiked Amount 200.000			Recovery	=	3.73%	3.90%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.46	4.72	285.4E6	331.2E6	676.504	813.069
24) L6 Aroclor-1248 {2}	4.99	5.29	148.0E6	546.2E6	573.043	868.011 #
25) L6 Aroclor-1248 {3}	5.31	5.68	235.6E6	459.1E6	696.468	1014.903 #
26) L6 Aroclor-1248 {4}	6.01	5.83	601.6E6	419.0E6	1277.321	1089.959
27) L6 Aroclor-1248 {5}	0.00	6.17	0	269.4E6	N.D. d	1210.940 #
Sum Aroclor-1248			1270.6E6	2024.9E6	3223.336	4996.881
Average Aroclor-1248					805.834	999.376
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

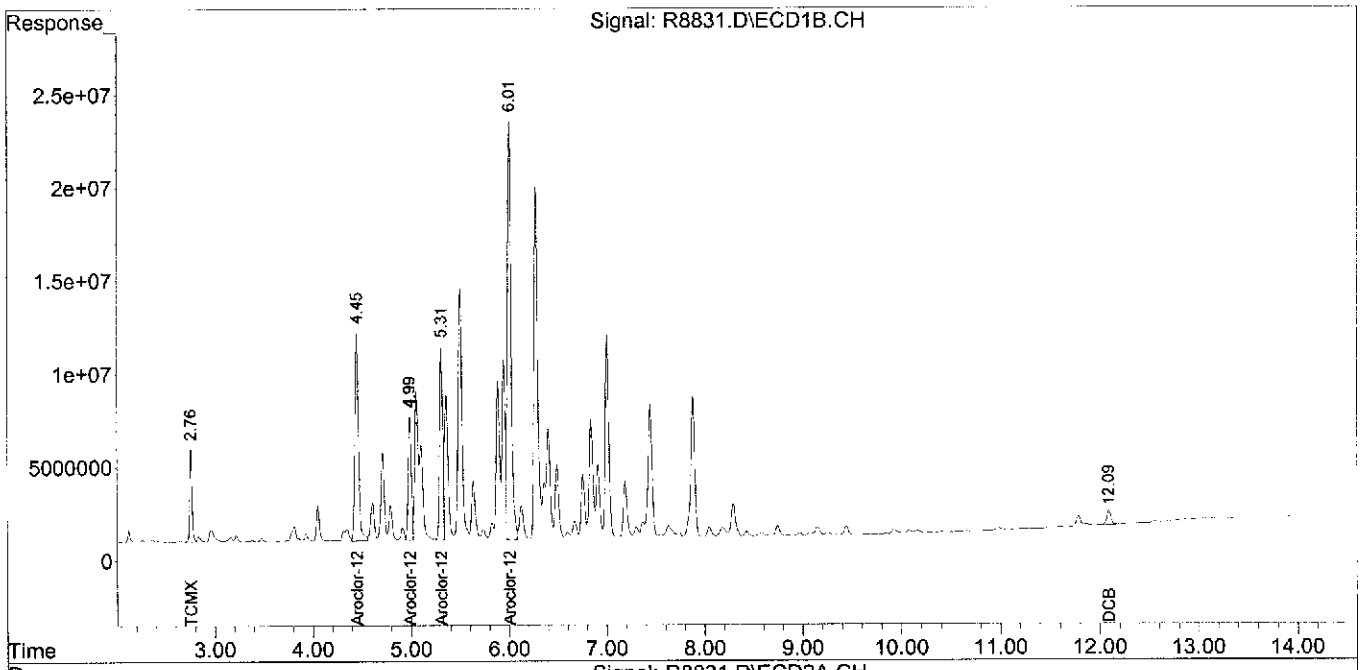
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

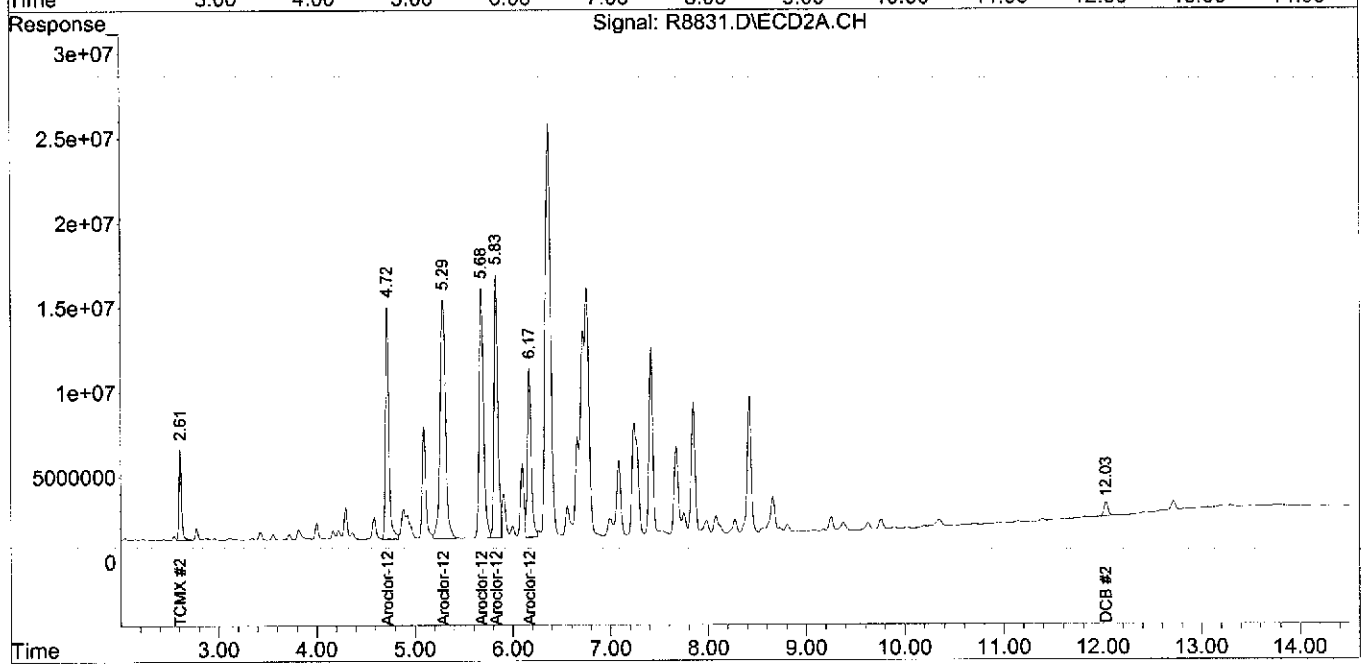
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-16-13\
Data File : R8831.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 9:45
Operator : JS
Sample : R-16N(0-2.,03191-007,S,5.01g,18.5,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,20
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:47:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-15-13\
Data File : R8785.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 18:01
Operator : JS
Sample : R-16E(0-2.,03191-008,S,5.08g,8.30,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,10
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:24:48 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	168.9E6	191.4E6	14.249	16.463	
Spiked Amount 200.000			Recovery	=	7.12%	8.23%	
2) S DCB	12.09	12.03	44548806	51727697	14.249m	16.835m	
Spiked Amount 200.000			Recovery	=	7.12%	8.42%	
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	4.72	150.9E6	179.3E6	357.807	440.151	
24) L6 Aroclor-1248 {2}	4.99	5.30	137.7E6	522.3E6	533.104	830.115	#
25) L6 Aroclor-1248 {3}	5.31	5.68	186.6E6	404.4E6	551.415	893.958	#
26) L6 Aroclor-1248 {4}	6.01	5.83	850.2E6	511.0E6	1805.089	1329.103	#
27) L6 Aroclor-1248 {5}	0.00	6.17	0	330.2E6	N.D. d	1484.193	#
Sum Aroclor-1248			1325.4E6	1947.2E6	3247.415	4977.519	
Average Aroclor-1248					811.854	995.504	
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	

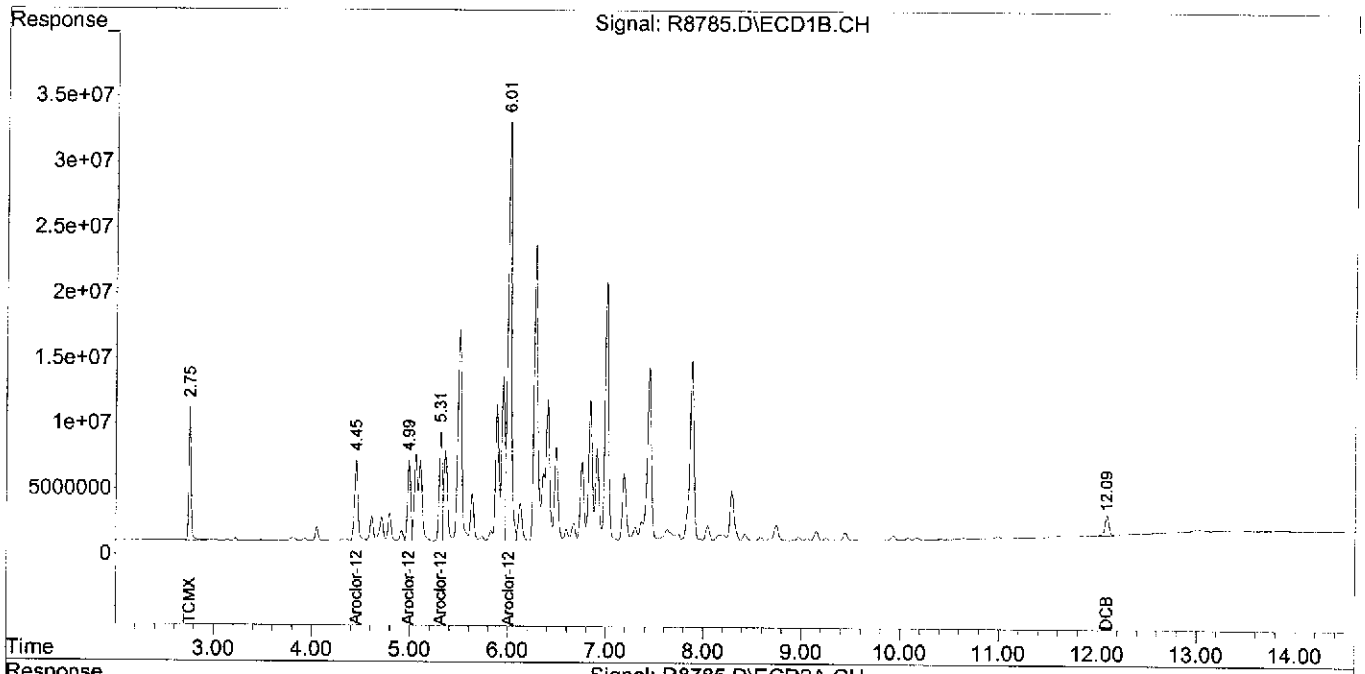
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

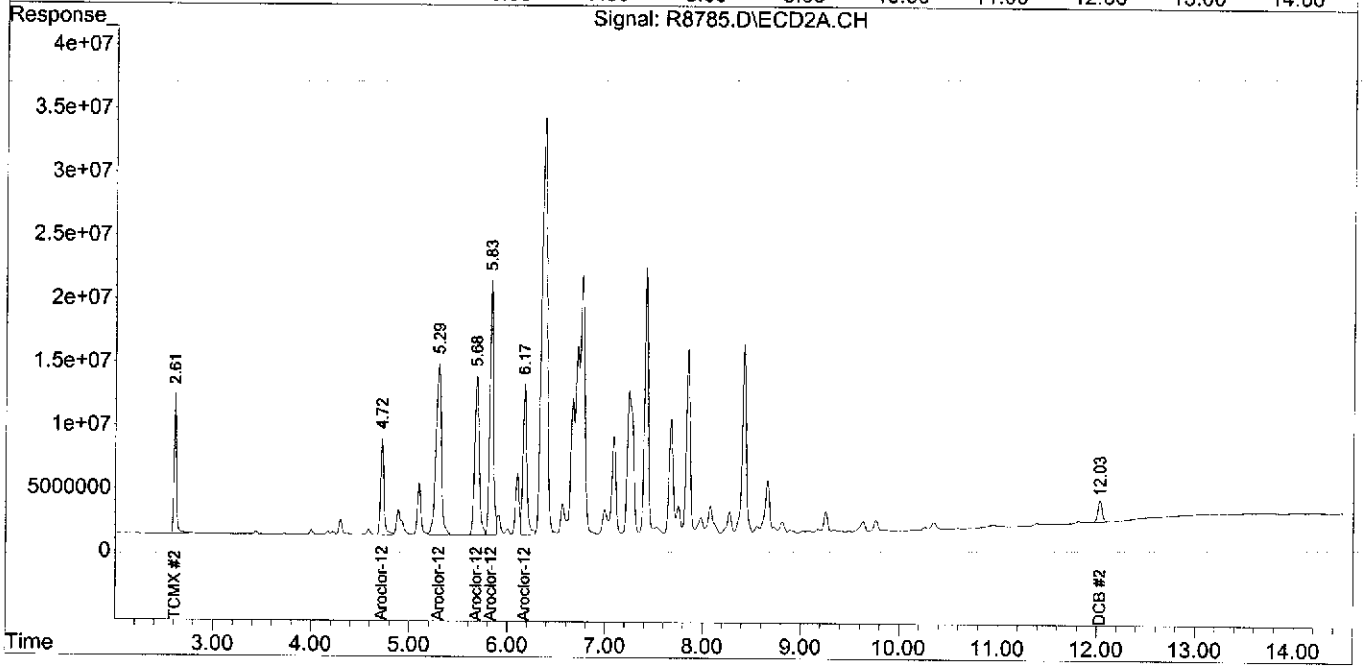
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : R8785.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 18:01
Operator : JS
Sample : R-16E(0-2.,03191-008,S,5.08g,8.30,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,10
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:24:48 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-15-13\
Data File : R8786.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 18:19
Operator : JS
Sample : R-17N(0-2.,03191-009,S,5.35g,7.70,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,5
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:25:50 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	343.1E6	387.0E6	28.940	33.286
Spiked Amount 200.000			Recovery	=	14.47%	16.64%
2) S DCB	12.09	12.03	86686370	101.7E6	27.726m	33.113m
Spiked Amount 200.000			Recovery	=	13.86%	16.56%
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
23) L6 Aroclor-1248	4.45	4.72	159.0E6	188.6E6	376.947	463.070
24) L6 Aroclor-1248 {2}	4.99	5.29	161.3E6	457.7E6	624.745	727.378
25) L6 Aroclor-1248 {3}	5.31	5.68	178.8E6	303.4E6	528.573	670.592 #
26) L6 Aroclor-1248 {4}	6.01	5.83	634.1E6	344.2E6	1346.232	895.424 #
27) L6 Aroclor-1248 {5}	0.00	6.17	0	237.1E6	N.D. d	1066.022 #
Sum Aroclor-1248			1133.3E6	1531.1E6	2876.496	3822.487
Average Aroclor-1248					719.124	764.497
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

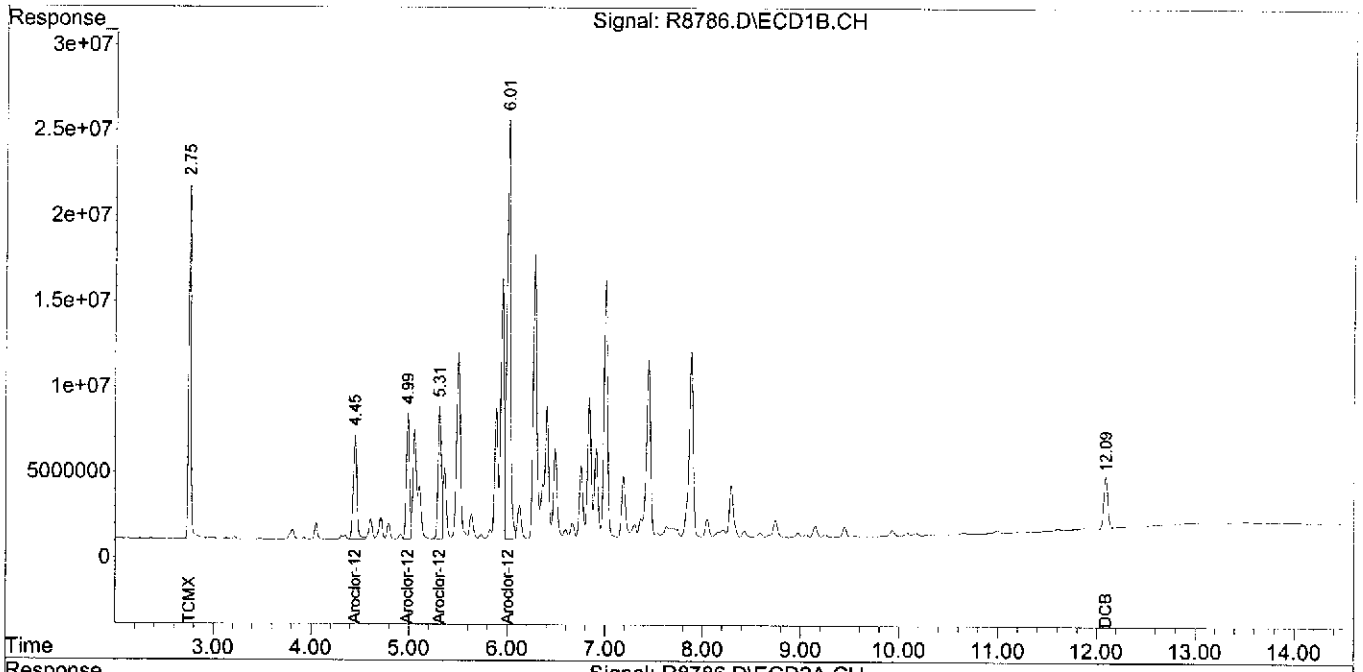
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

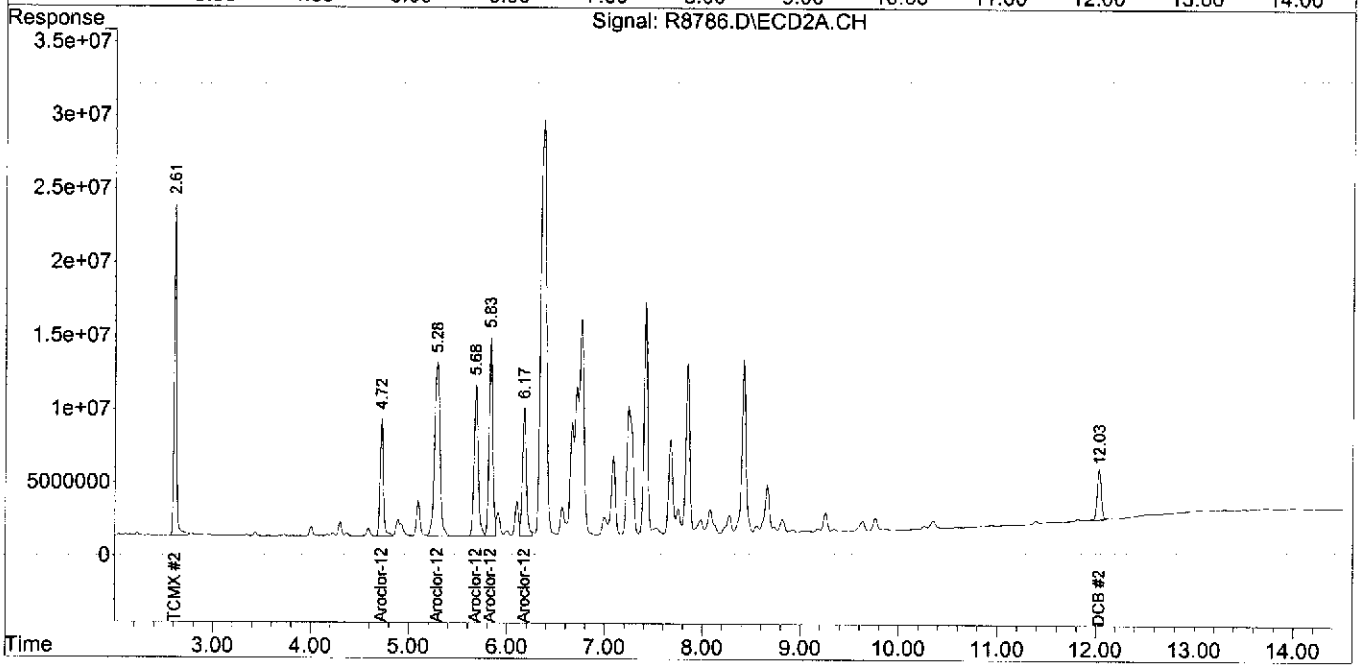
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : R8786.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 18:19
Operator : JS
Sample : R-17N(0-2.,03191-009,S,5.35g,7.70,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,5
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:25:50 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-16-13\
Data File : R8832.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 10:02
Operator : JS
Sample : R-17N(2.0-,03191-010,S,5.44g,10.7,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,200
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:48:42 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	9211311	11040034	0.777m	0.950m
Spiked Amount 200.000			Recovery	=	0.39%	0.47%
2) S DCB	12.09	12.03	2392678	3582002	0.765m	1.166m#
Spiked Amount 200.000			Recovery	=	0.38%	0.58%
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	4.72	455.6E6	518.9E6	1079.993	1273.716
24) L6 Aroclor-1248 {2}	4.99	5.29	315.2E6	973.4E6	1220.508	1547.006 #
25) L6 Aroclor-1248 {3}	5.31	5.68	430.4E6	729.1E6	1272.213	1611.599 #
26) L6 Aroclor-1248 {4}	6.01	5.83	623.6E6	568.8E6	1324.074	1479.437
27) L6 Aroclor-1248 {5}	0.00	6.17	0	286.7E6	N.D. d	1288.665 #
Sum Aroclor-1248			1824.8E6	3076.8E6	4896.787	7200.423
Average Aroclor-1248					1224.197	1440.085
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

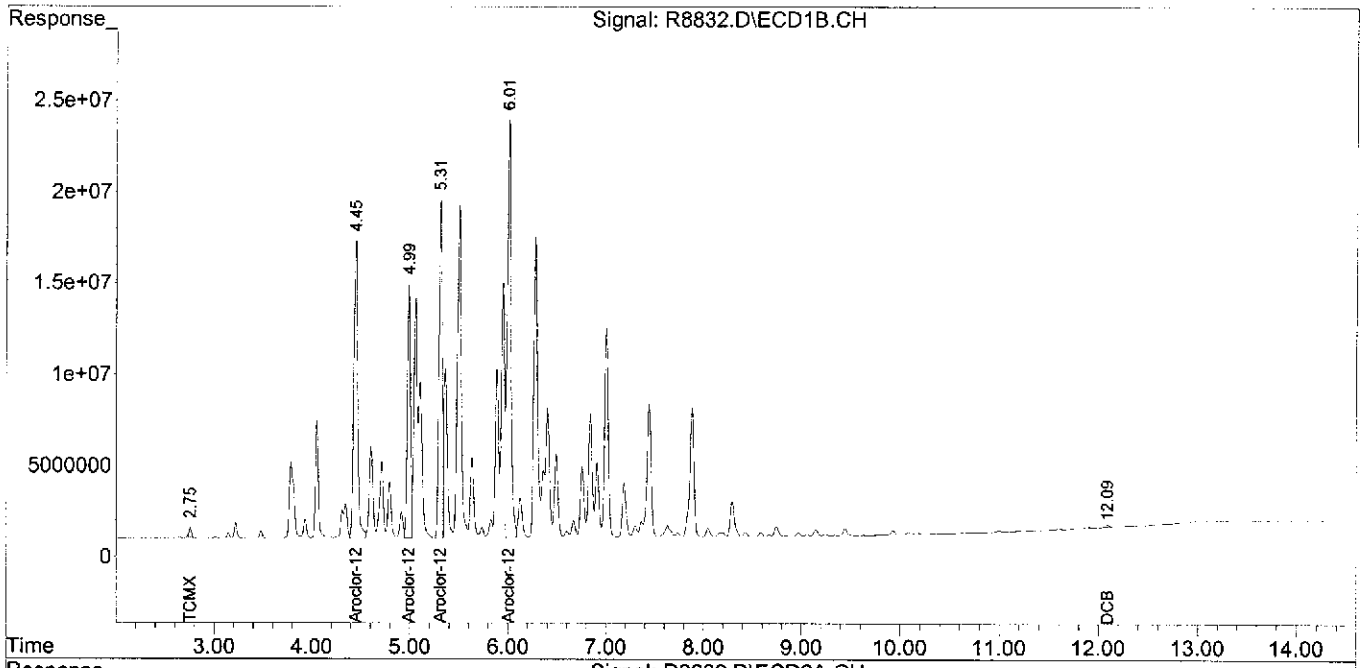
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

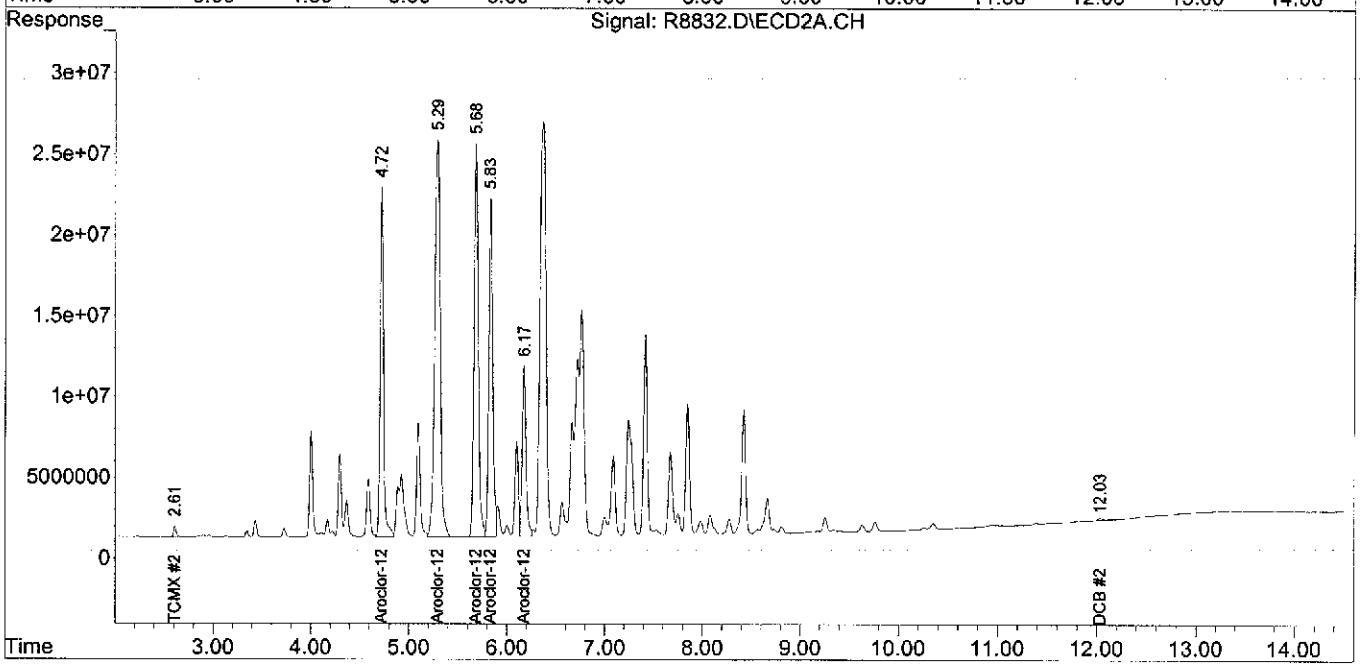
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-16-13\
Data File : R8832.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 10:02
Operator : JS
Sample : R-17N(2.0-,03191-010,S,5.44g,10.7,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,200
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:48:42 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-16-13\
Data File : R8833.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 10:20
Operator : JS
Sample : R-17N(4.0-,03191-011,S,5.28g,17.9,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1000
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:49:52 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2454880	3029972	0.207m	0.261 #
Spiked Amount 200.000			Recovery	=	0.10%	0.13%
2) S DCB	12.10	12.04	659298	682670	0.211m	0.222m
Spiked Amount 200.000			Recovery	=	0.11%	0.11%
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	4.72	453.4E6	518.0E6	1074.903	1271.663
24) L6 Aroclor-1248 {2}	4.99	5.29	139.3E6	490.2E6	539.295	779.041 #
25) L6 Aroclor-1248 {3}	5.31	5.68	148.6E6	286.8E6	439.220	633.893 #
26) L6 Aroclor-1248 {4}	6.01	5.83	285.5E6	249.0E6	606.256	647.795
27) L6 Aroclor-1248 {5}	0.00	6.17	0	148.0E6	N.D. d	665.096 #
Sum Aroclor-1248			1026.8E6	1692.0E6	2659.674	3997.488
Average Aroclor-1248					664.919	799.498
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

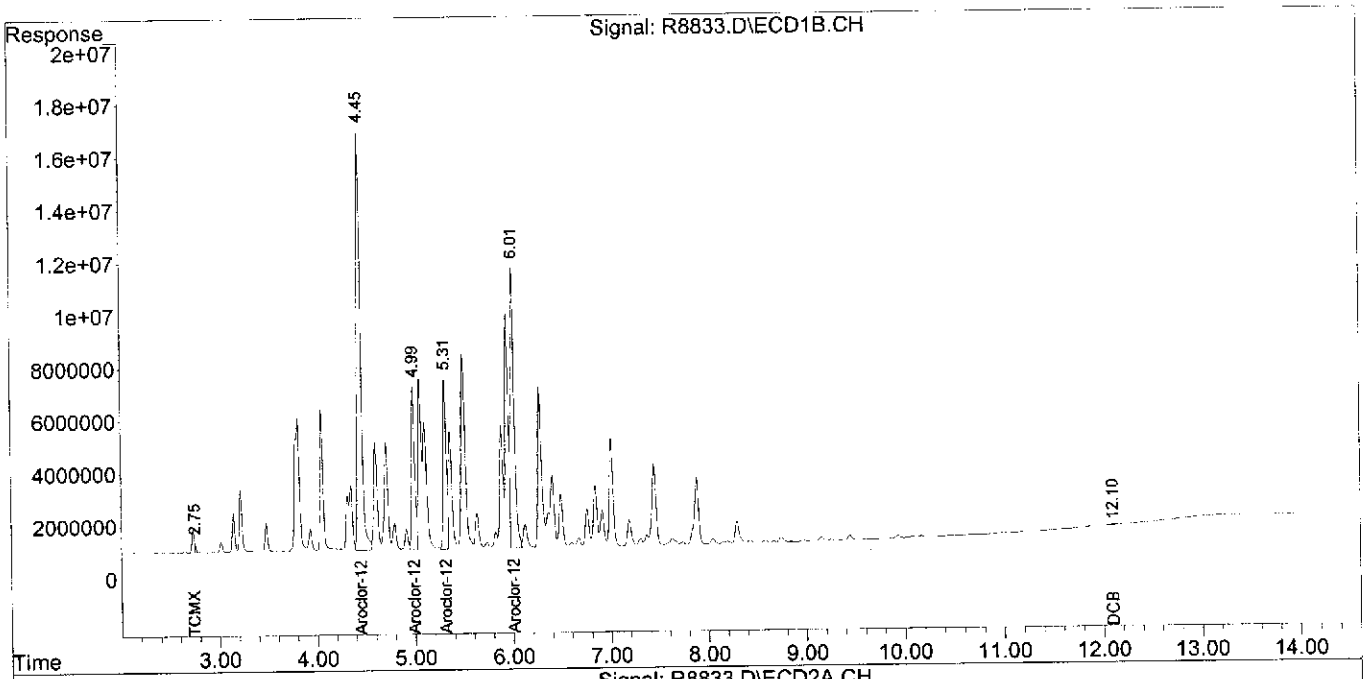
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

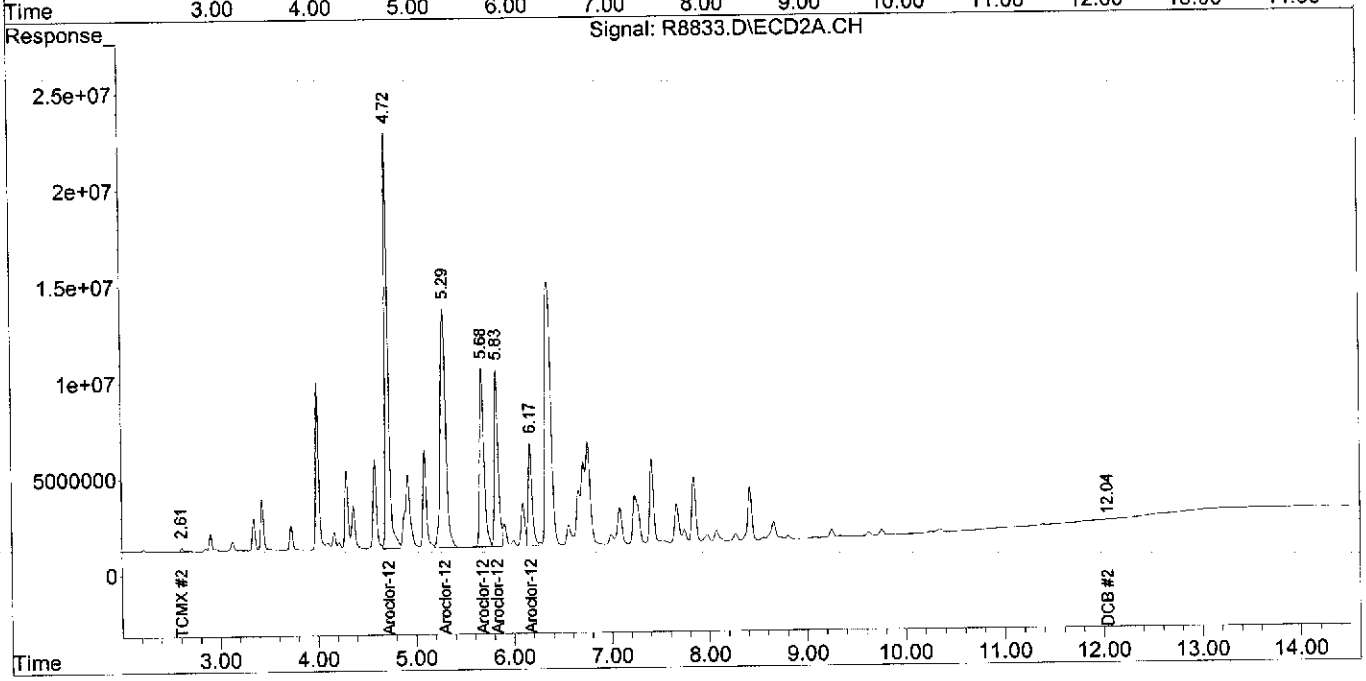
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-16-13\
Data File : R8833.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 10:20
Operator : JS
Sample : R-17N(4.0-,03191-011,S,5.28g,17.9,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1000
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:49:52 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-15-13\
Data File : R8780.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 16:34
Operator : JS
Sample : R-17E(2.0-,03191-012,S,5.56g,9.40,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:19:55 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1625.7E6	1914.4E6	137.140	164.654
Spiked Amount 200.000			Recovery	=	68.57%	82.33%
2) S DCB	12.09	12.04	438.3E6	500.5E6	140.184	162.893
Spiked Amount 200.000			Recovery	=	70.09%	81.45%
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	4.45	4.73	12548782	16156961	29.749	39.662m#
24) L6 Aroclor-1248 {2}	4.99	5.30	5040985	17604006	19.519	27.977m#
25) L6 Aroclor-1248 {3}	5.31	5.69	5907558	12288425	17.460	27.163m#
26) L6 Aroclor-1248 {4}	6.01	5.84	9242744	10544567	19.624	27.427m#
27) L6 Aroclor-1248 {5}	0.00	6.18	0	6124705	N.D. d	27.533 #
Sum Aroclor-1248			32740069	62718664	86.352	149.762
Average Aroclor-1248					21.588	29.952
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

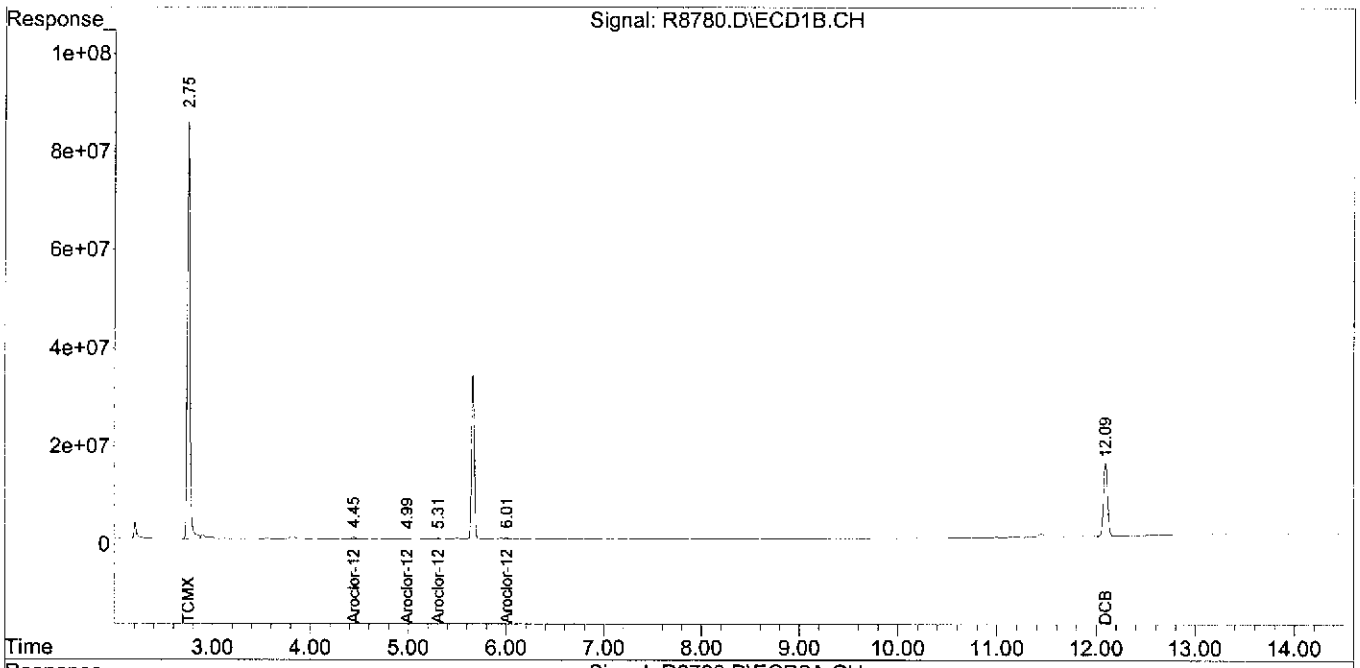
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

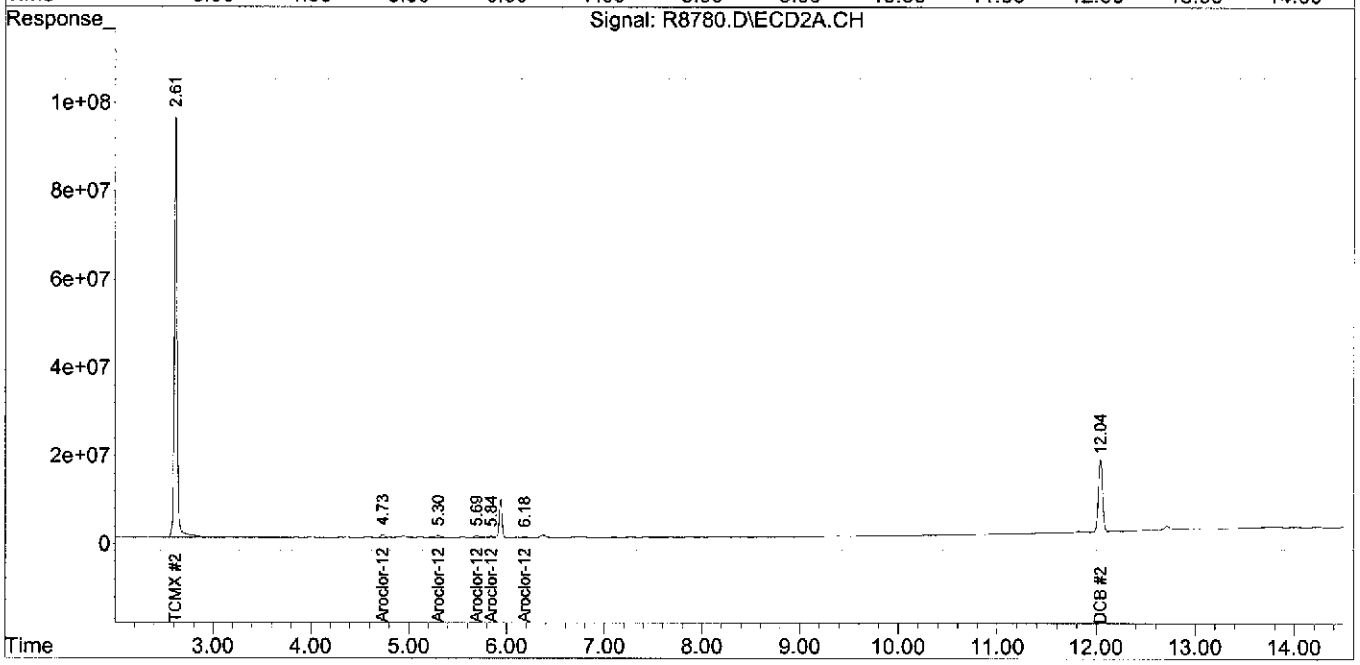
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : R8780.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 16:34
Operator : JS
Sample : R-17E(2.0-,03191-012,S,5.56g,9.40,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 17:19:55 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : R8727.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 4:09
Operator : JS
Sample : R-17E(4.0-,03191-013,S,5.73g,45.0,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 16:17:38 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2129.3E6	2276.5E6	179.629	195.802	
Spiked Amount 200.000			Recovery	=	89.81%	97.90%	
2) S DCB	12.10	12.04	712.5E6	739.8E6	227.893	240.767	
Spiked Amount 200.000			Recovery	=	113.95%	120.38%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
23) L6 Aroclor-1248	4.45	4.73	103.4E6	117.6E6	245.088	288.763	
24) L6 Aroclor-1248 {2}	4.99	5.30	44591846	157.8E6	172.663	250.788	#
25) L6 Aroclor-1248 {3}	5.32	5.69	53204687	98271727	157.249	217.226	#
26) L6 Aroclor-1248 {4}	6.01	5.84	99869727	90632379	212.040	235.743	
27) L6 Aroclor-1248 {5}	0.00	6.18	0	49393280	N.D. d	222.039	#
Sum Aroclor-1248			301.0E6	513.7E6	787.040	1214.559	
Average Aroclor-1248					196.760	242.912	
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	

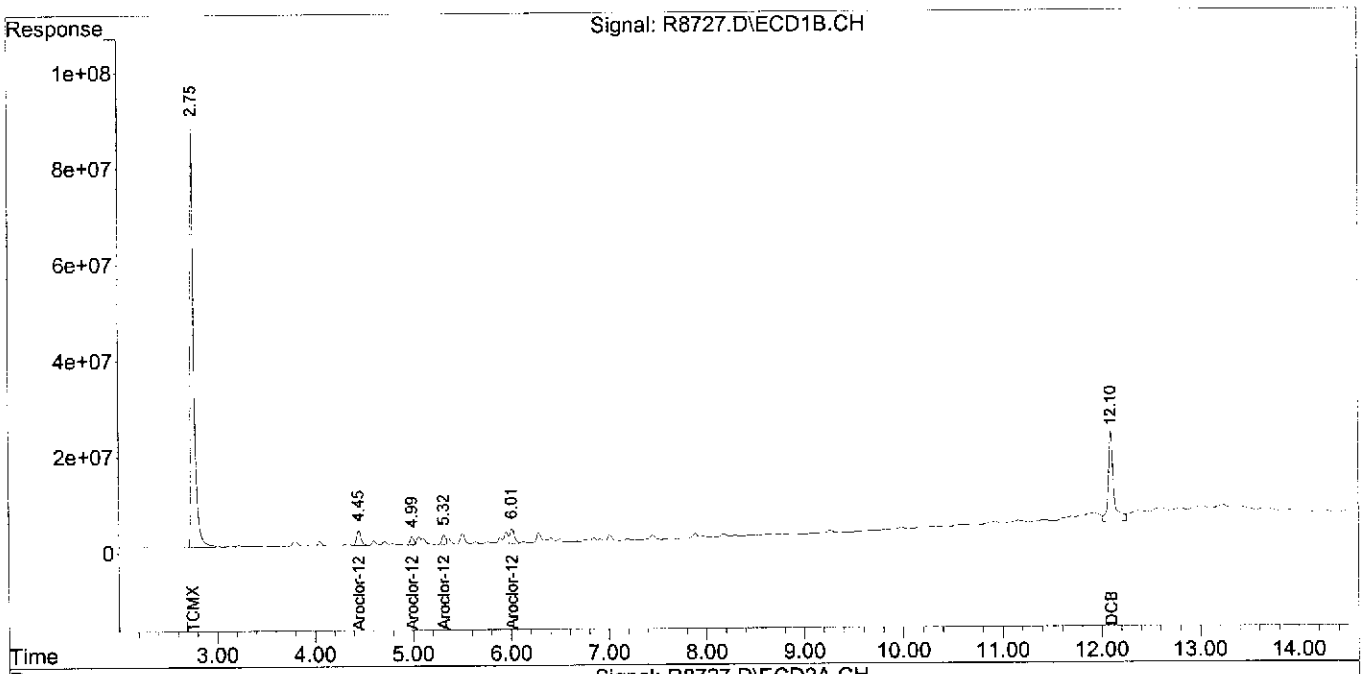
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

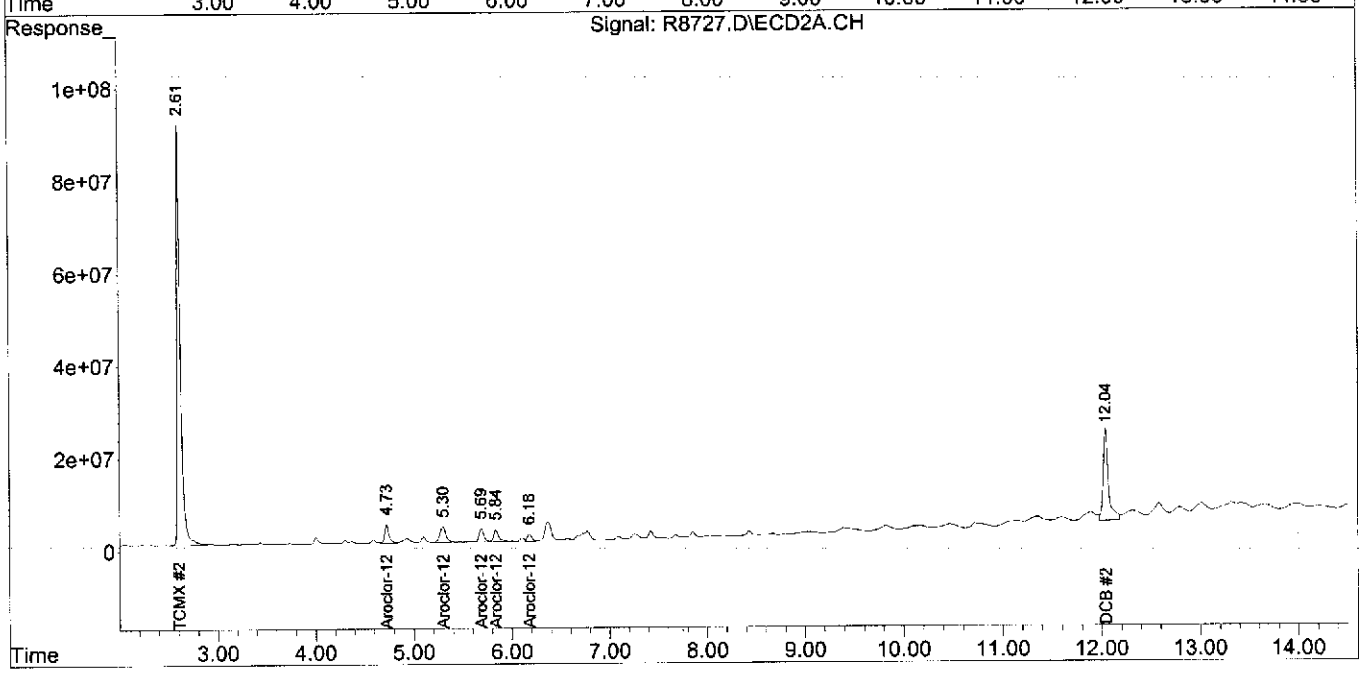
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8727.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 4:09
Operator : JS
Sample : R-17E(4.0-,03191-013,S,5.73g,45.0,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 16:17:38 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : R8728.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 4:26
Operator : JS
Sample : R-17S(2.0-,03191-014,S,5.03g,10.6,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 16:22:21 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1776.4E6	1892.3E6	149.856	162.755
Spiked Amount 200.000			Recovery	=	74.93%	81.38%
2) S DCB	12.10	12.04	525.6E6	637.8E6	168.098	207.561
Spiked Amount 200.000			Recovery	=	84.05%	103.78%
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	4.73	11822096	11797899	28.026	28.961
24) L6 Aroclor-1248 {2}	4.99	5.30	4035614	11550459	15.626	18.357m
25) L6 Aroclor-1248 {3}	5.31	5.69	4147678	9591724	12.259	21.202m#
26) L6 Aroclor-1248 {4}	6.01	5.84	10098339	9409965	21.440	24.476m
27) L6 Aroclor-1248 {5}	0.00	6.18	0	4993963	N.D. d	22.450m#
Sum Aroclor-1248			30103727	47344009	77.352	115.446
Average Aroclor-1248					19.338	23.089
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

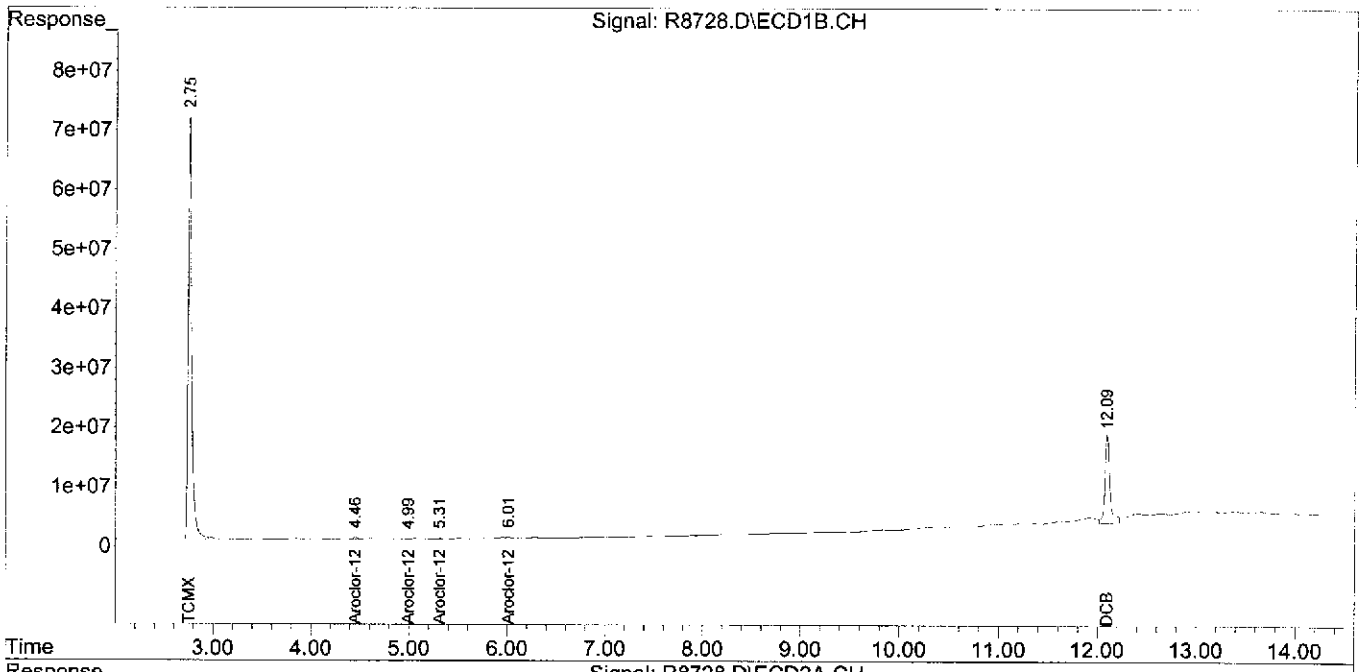
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

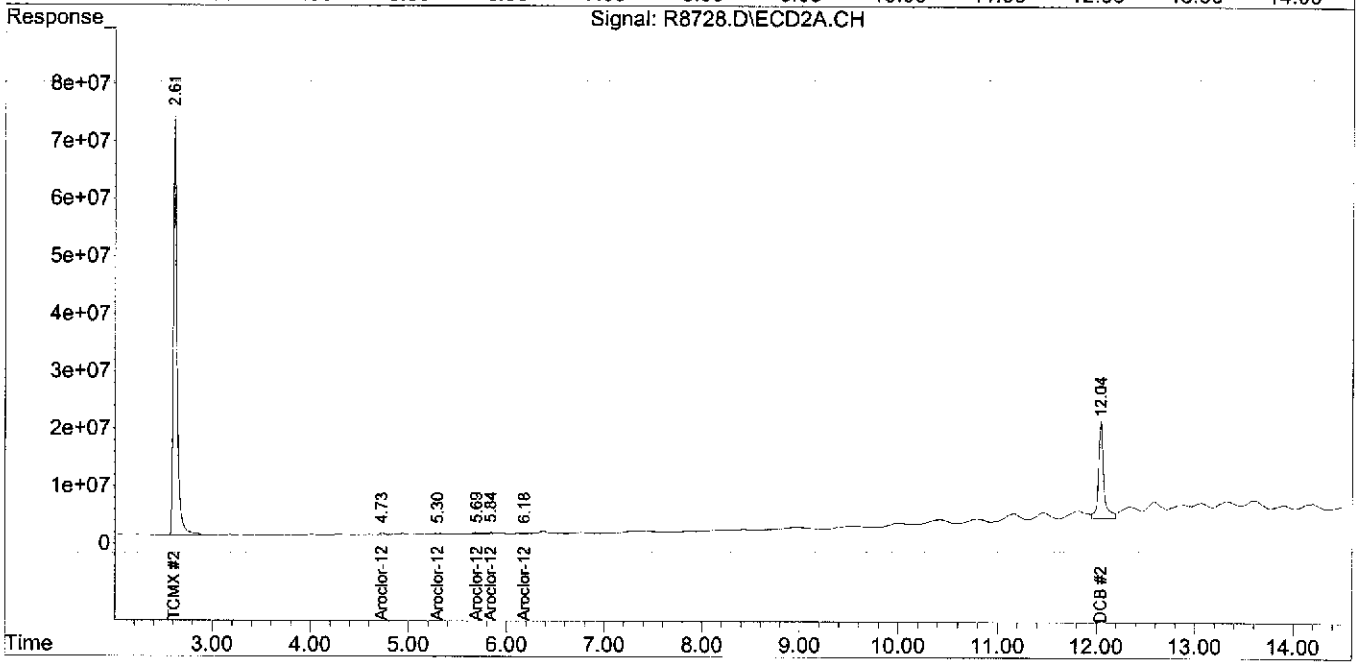
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8728.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 4:26
Operator : JS
Sample : R-17S(2.0-,03191-014,S,5.03g,10.6,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 16:22:21 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : R8729.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 4:44
Operator : JS
Sample : R-17S(4.0-,03191-015,S,5.12g,47.9,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 16:23:49 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2016.0E6	2139.9E6	170.073	184.053
Spiked Amount 200.000			Recovery	=	85.04%	92.03%
2) S DCB	12.10	12.04	577.2E6	601.9E6	184.609	195.891
Spiked Amount 200.000			Recovery	=	92.30%	97.95%
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	4.73	27197020	29515233	64.475	72.454
24) L6 Aroclor-1248 {2}	4.99	5.30	13666681	45815389	52.918	72.812 #
25) L6 Aroclor-1248 {3}	5.32	5.69	18992219	33371372	56.132	73.766m#
26) L6 Aroclor-1248 {4}	6.01	5.84	45466442	30742533	96.533	79.964m
27) L6 Aroclor-1248 {5}	0.00	6.18	0	19649933	N.D. d	88.333m#
Sum Aroclor-1248			105.3E6	159.1E6	270.059	387.329
Average Aroclor-1248					67.515	77.466
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

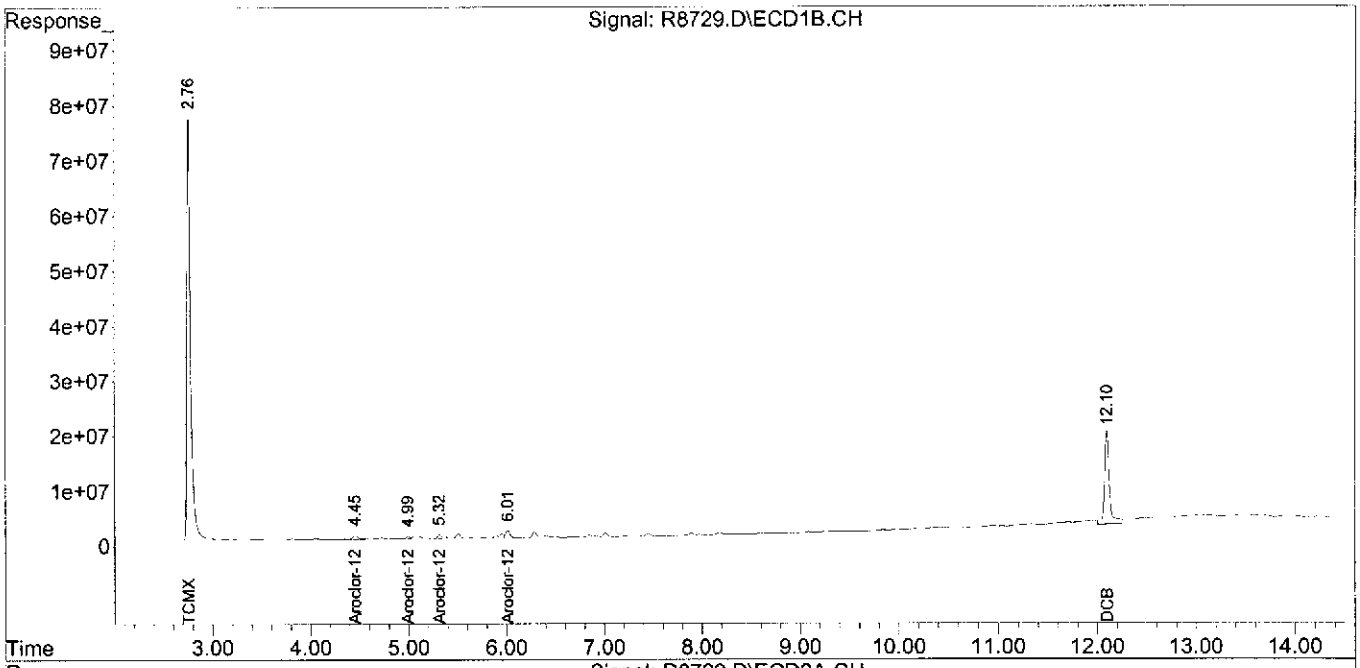
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

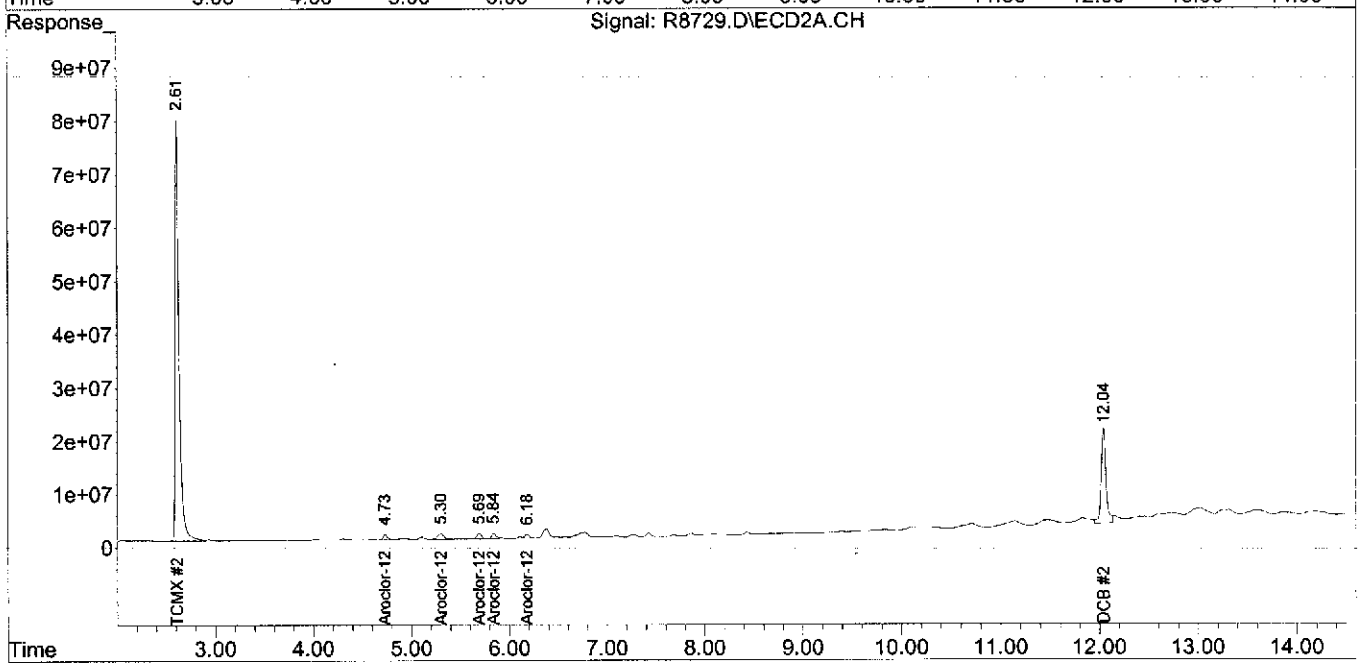
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8729.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 4:44
Operator : JS
Sample : R-17S(4.0-,03191-015,S,5.12g,47.9,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 16:23:49 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-16-13\
Data File : R8873.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 23:10
Operator : JS
Sample : R-18E(0-2.,03191-016,S,5.54g,12.6,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,20
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:49:17 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.61	90357385	102.8E6	7.623	8.843	
Spiked Amount 200.000			Recovery	=	3.81%	4.42%	
2) S DCB	12.10	12.03	21101707	25002506	6.749m	8.137m	
Spiked Amount 200.000			Recovery	=	3.37%	4.07%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
23) L6 Aroclor-1248	4.46	4.72	222.8E6	260.5E6	528.155	639.477	
24) L6 Aroclor-1248 {2}	4.99	5.29	195.3E6	617.3E6	756.112	981.122	#
25) L6 Aroclor-1248 {3}	5.31	5.68	279.6E6	492.6E6	826.225	1088.771	#
26) L6 Aroclor-1248 {4}	6.01	5.83	539.8E6	434.0E6	1146.045	1128.983	
27) L6 Aroclor-1248 {5}	0.00	6.17	0	263.9E6	N.D. d	1186.185	#
Sum Aroclor-1248			1237.4E6	2068.3E6	3256.537	5024.537	
Average Aroclor-1248					814.134	1004.907	
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	

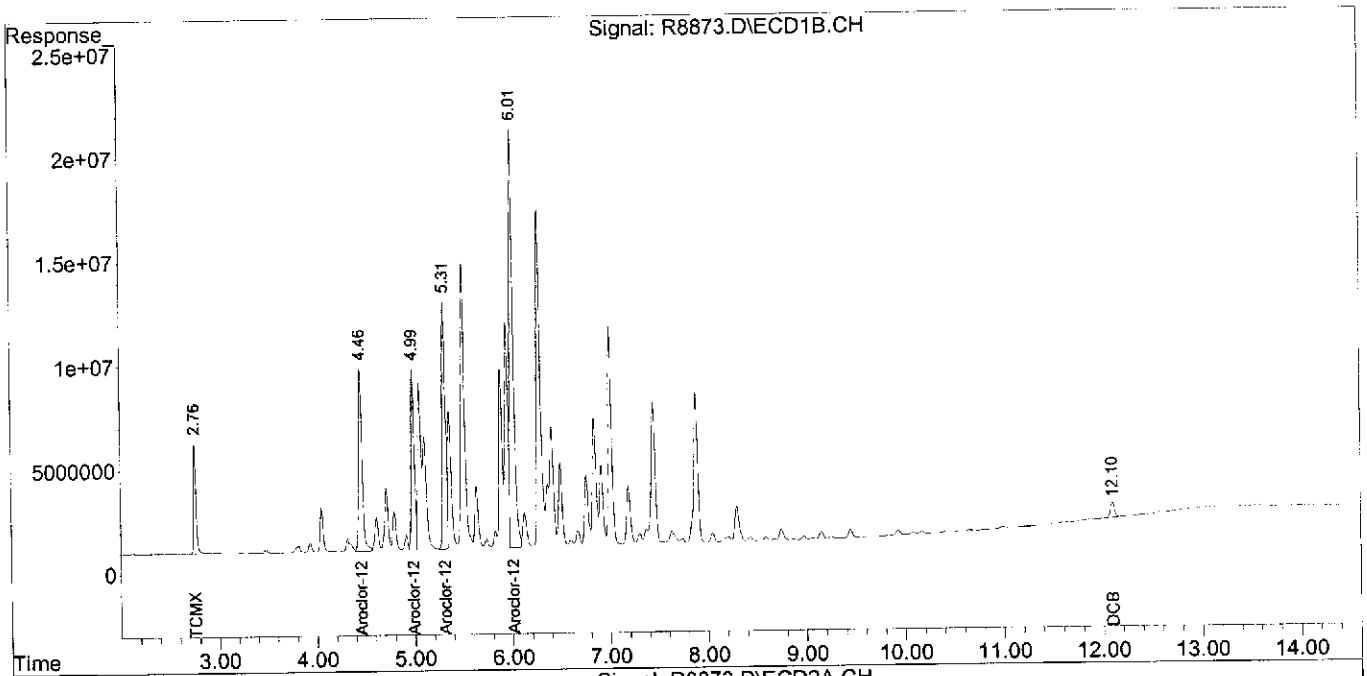
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

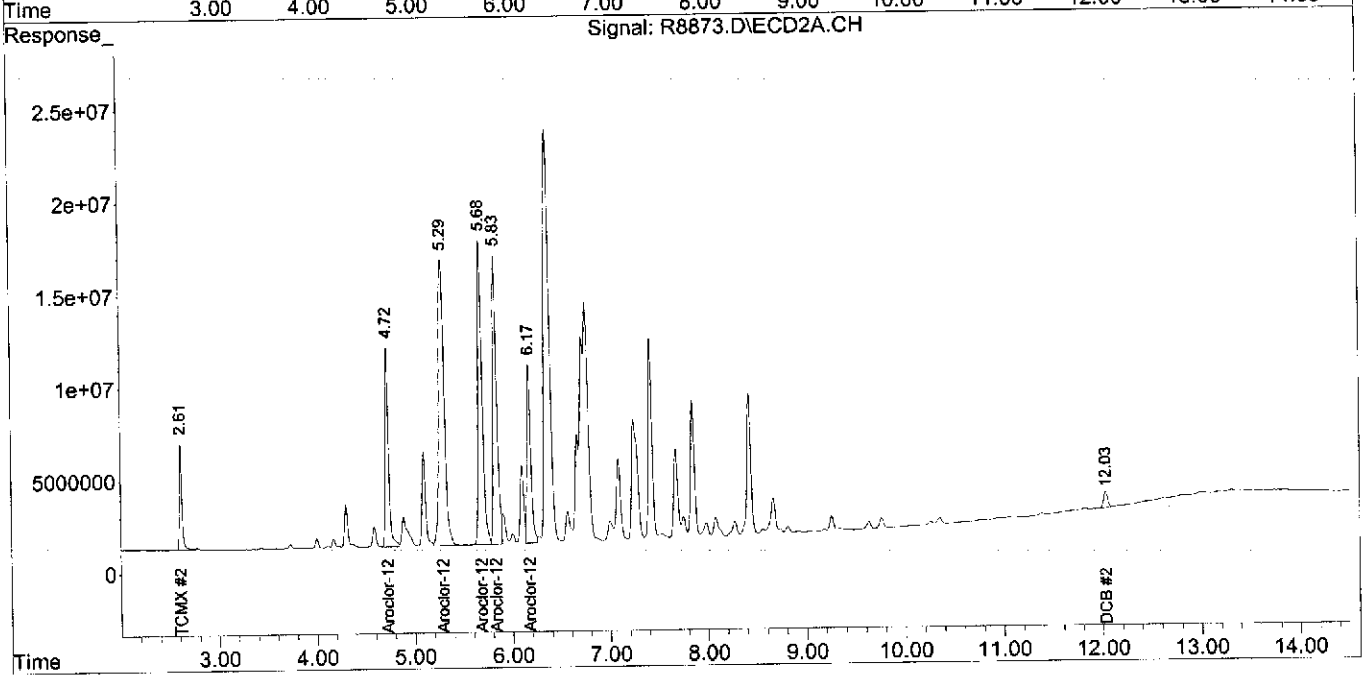
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-16-13\
Data File : R8873.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 23:10
Operator : JS
Sample : R-18E(0-2.,03191-016,S,5.54g,12.6,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,20
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:49:17 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : R8731.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 5:19
Operator : JS
Sample : R-18E(4.0-,03191-017,S,5.52g,19.2,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:24:47 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1835.5E6	1998.9E6	154.840	171.924
Spiked Amount 200.000			Recovery	=	77.42%	85.96%
2) S DCB	12.10	12.04	624.7E6	562.5E6	199.816	183.052
Spiked Amount 200.000			Recovery	=	99.91%	91.53%
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	3727527	4472117	8.837m	10.978m
24) L6 Aroclor-1248 {2}	4.99	5.30	2398419	5670685	9.287m	9.012m
25) L6 Aroclor-1248 {3}	5.32	5.69	7240479	4896684	21.400m	10.824m#
26) L6 Aroclor-1248 {4}	6.01	5.84	8499758	2869654	18.046	7.464 #
27) L6 Aroclor-1248 {5}	0.00	6.18	0	3468733	N.D. d	15.593 #
Sum Aroclor-1248			21866184	21377872	57.570	53.872
Average Aroclor-1248					14.392	10.774
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

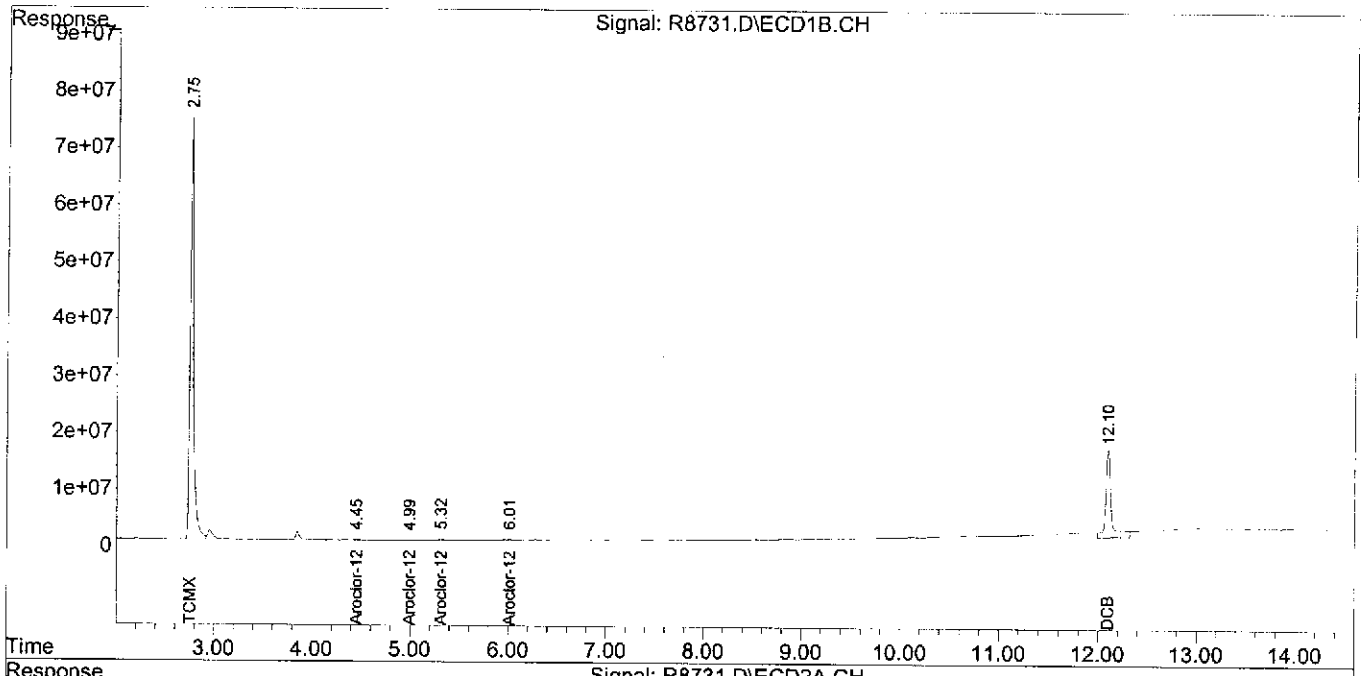
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

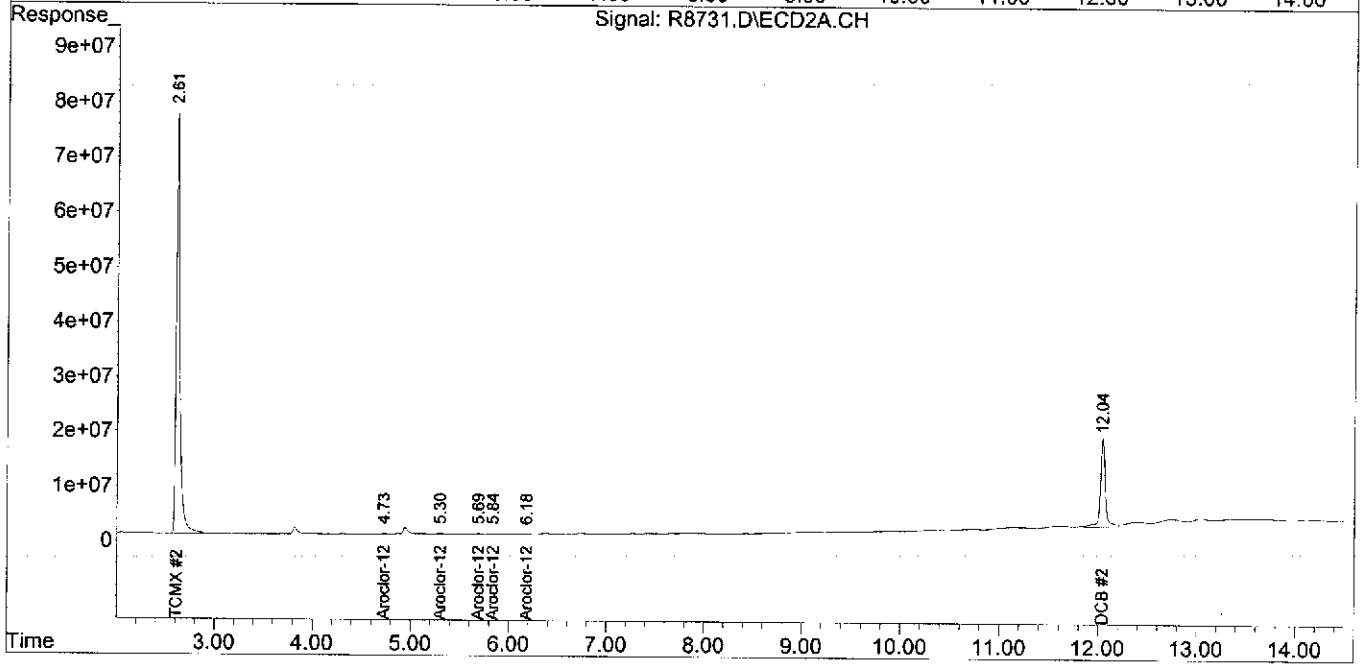
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8731.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 5:19
Operator : JS
Sample : R-18E(4.0-,03191-017,S,5.52g,19.2,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:24:47 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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 :





RPCB0318.M Wed Apr 17 12:27:14 2013

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8732.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 5:36
Operator : JS
Sample : R-18S(0-2.,03191-018,S,5.33g,13.3,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:33:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1647.0E6	1856.2E6	138.939	159.651
Spiked Amount 200.000			Recovery	=	69.47%	79.83%
2) S DCB	12.10	12.04	550.8E6	533.9E6	176.160	173.744
Spiked Amount 200.000			Recovery	=	88.08%	86.87%
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	81954720	93901905	194.288	230.509
24) L6 Aroclor-1248 {2}	4.99	5.30	50218307	160.8E6	194.449	255.509 #
25) L6 Aroclor-1248 {3}	5.31	5.69	86681239	113.7E6	256.191	251.296
26) L6 Aroclor-1248 {4}	6.01	5.84	124.7E6	96095624	264.825	249.953
27) L6 Aroclor-1248 {5}	0.00	6.18	0	45767574	N.D. d	205.740 #
Sum Aroclor-1248			343.6E6	510.2E6	909.753	1193.008
Average Aroclor-1248					227.438	238.602
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

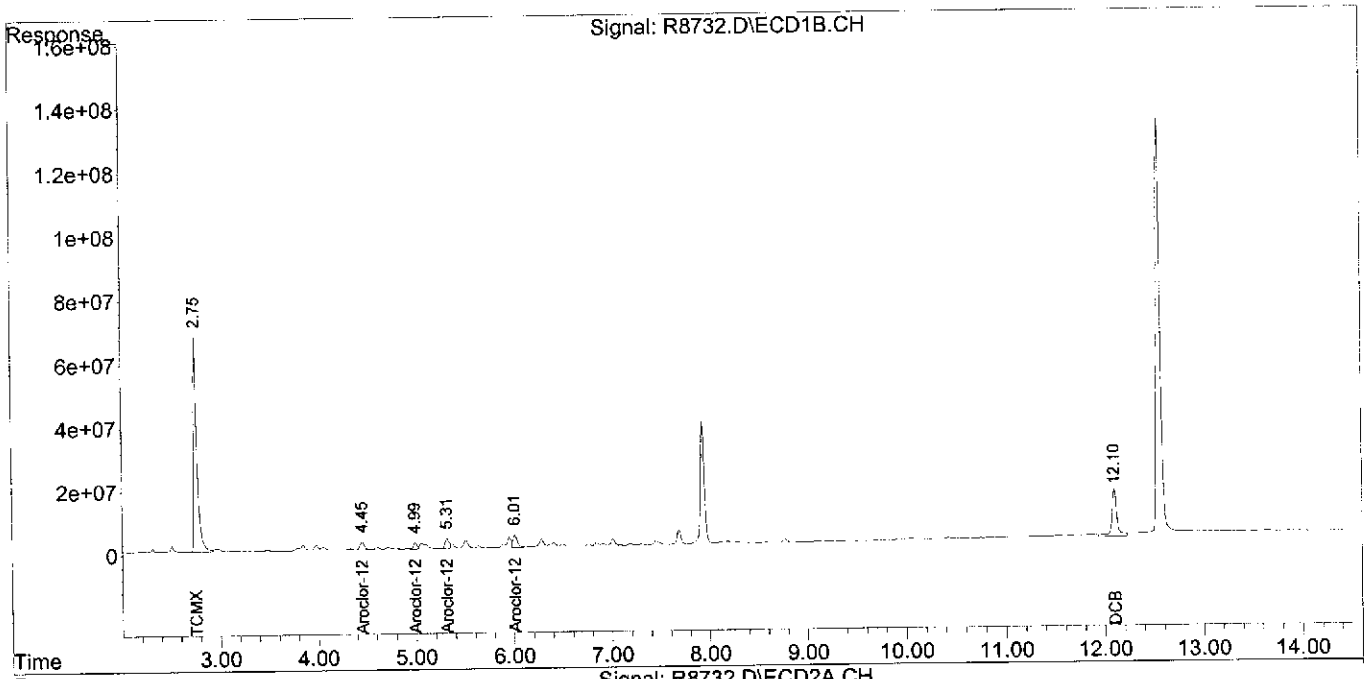
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

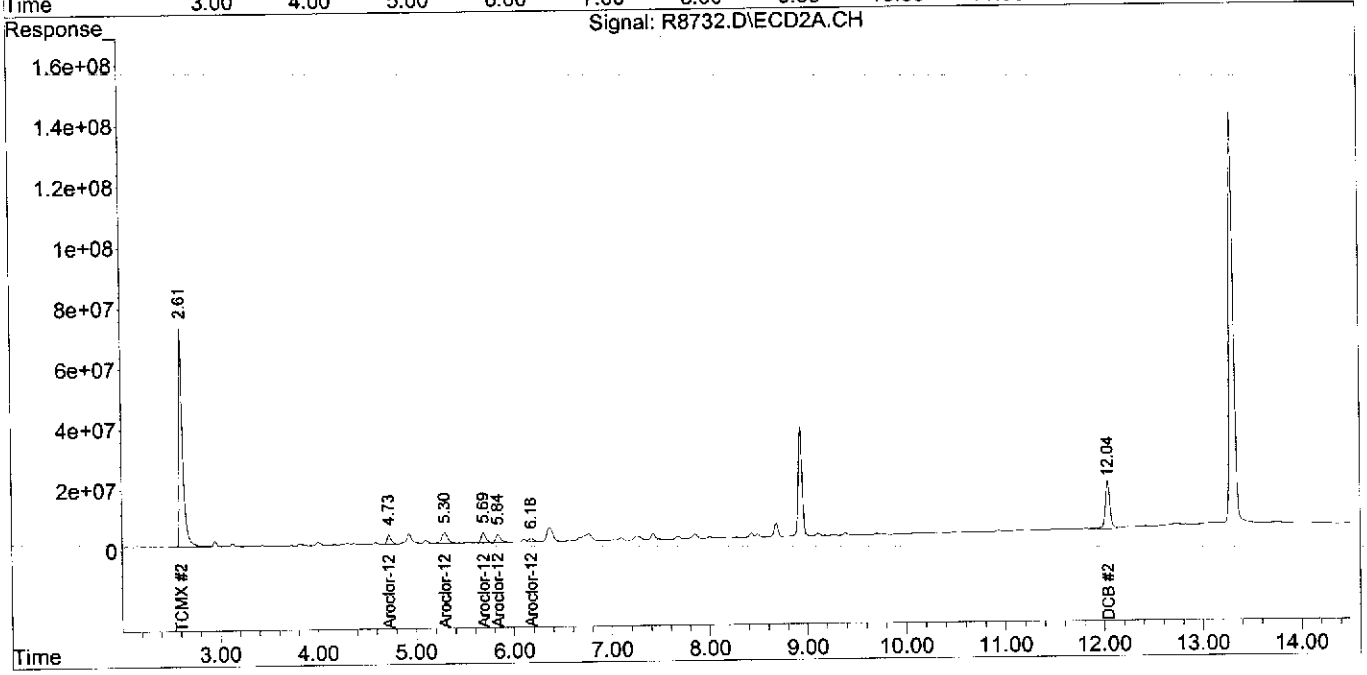
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8732.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 5:36
Operator : JS
Sample : R-18S(0-2.,03191-018,S,5.33g,13.3,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:33:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : R8733.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 5:54
Operator : JS
Sample : R-18S(4.0-,03191-019,S,5.44g,20.6,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:34:15 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1846.9E6	1940.7E6	155.803	166.918
Spiked Amount 200.000			Recovery	=	77.90%	83.46%
2) S DCB	12.10	12.04	464.7E6	506.7E6	148.625	164.898
Spiked Amount 200.000			Recovery	=	74.31%	82.45%
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	4.45	4.73	6025626	6259203	14.285	15.365m
24) L6 Aroclor-1248 {2}	4.99	5.30	1888888	7476664	7.314	11.882m#
25) L6 Aroclor-1248 {3}	5.32	5.69	3006628	5131204	8.886	11.342m#
26) L6 Aroclor-1248 {4}	6.01	5.84	5333732	4109092	11.324	10.688
27) L6 Aroclor-1248 {5}	0.00	6.18	0	2579736	N.D. d	11.597 #
Sum Aroclor-1248			16254874	25555900	41.809	60.875
Average Aroclor-1248					10.452	12.175
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

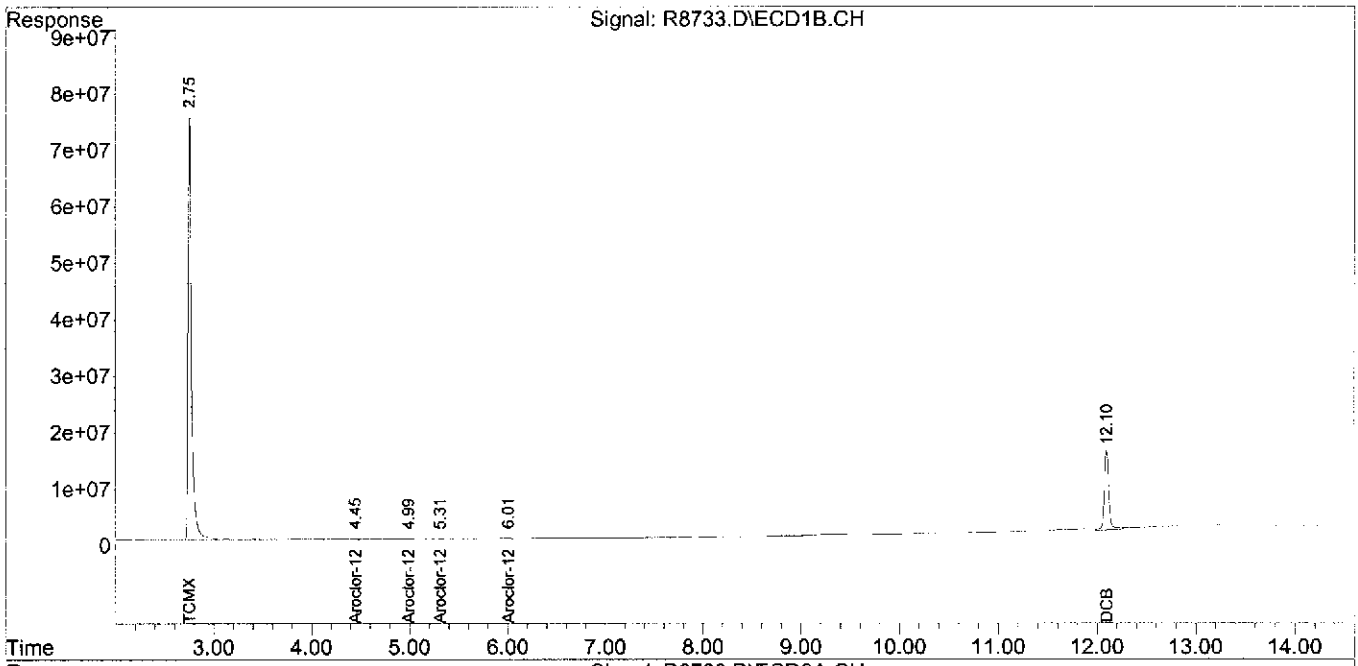
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

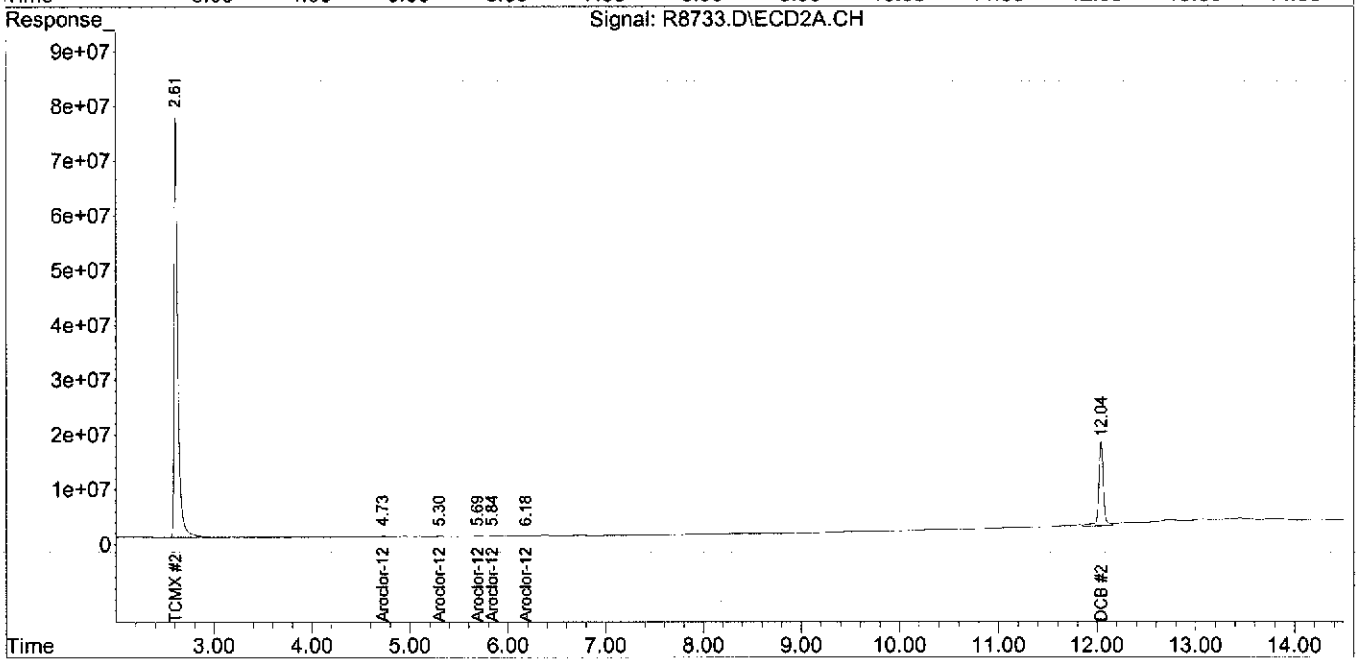
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8733.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 5:54
Operator : JS
Sample : R-18S(4.0-,03191-019,S,5.44g,20.6,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:34:15 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : R8734.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 6:11
Operator : JS
Sample : Q-18E(0-2.,03191-020,S,5.18g,7.40,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:35:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.75	2.61	1680.0E6	1796.3E6	141.728	154.500
Spiked Amount 200.000			Recovery	=	70.86%	77.25%
2) S DCB	12.10	12.04	446.9E6	468.8E6	142.949	152.573
Spiked Amount 200.000			Recovery	=	71.47%	76.29%
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
23) L6 Aroclor-1248	4.45	4.74	13499516	8360561	32.003m	20.523m#
24) L6 Aroclor-1248 {2}	5.00	5.28	10371273	32188883	40.158	51.156 #
25) L6 Aroclor-1248 {3}	5.31	5.69	10935574	21577498	32.321	47.696 #
26) L6 Aroclor-1248 {4}	6.01	5.85	21519114	27466609	45.689	71.443 #
Sum Aroclor-1248			56325478	89593551	150.171	190.819
Average Aroclor-1248					37.543	47.705
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.

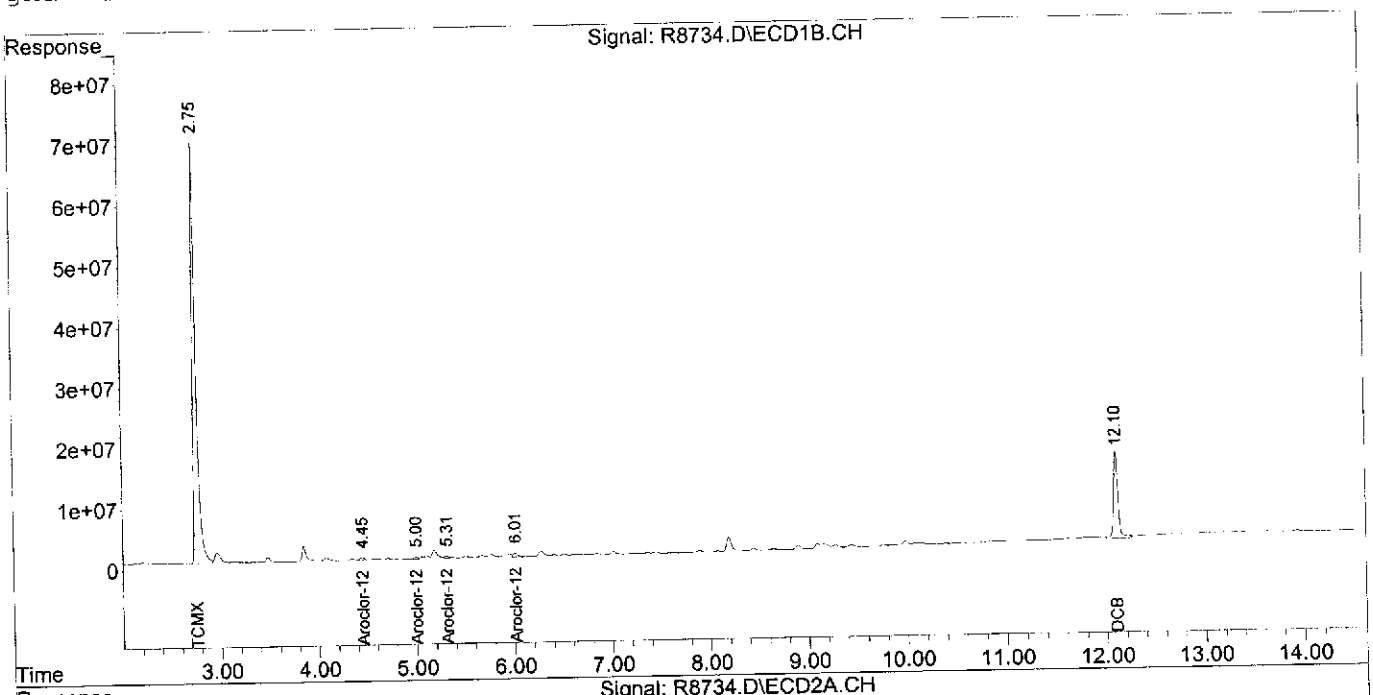
Quantitation Report (QT Reviewed)

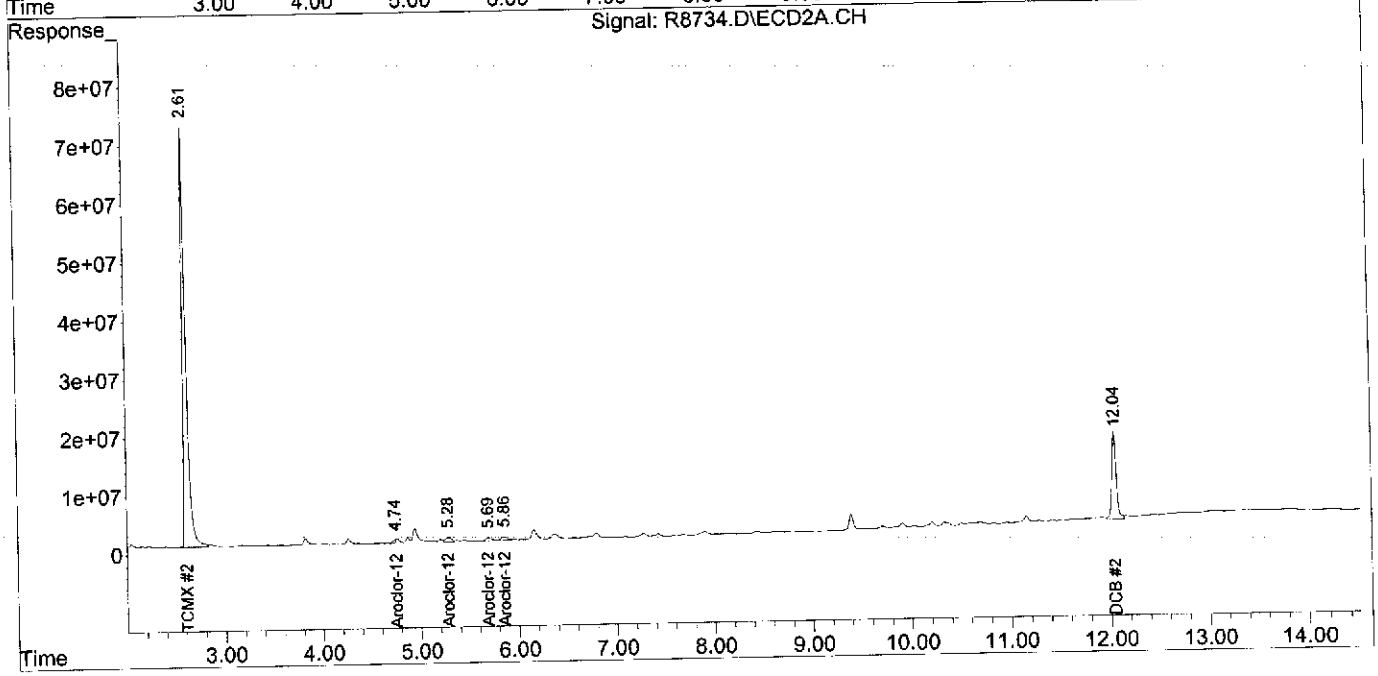
Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8734.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 6:11
Operator : JS
Sample : Q-18E(0-2.,03191-020,S,5.18g,7.40,04/10/13,4
Misc : 130410-04,04/09/13,04/09/13,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:35:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-11-13\
Data File : R8639.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 21:33
Operator : JS
Sample : Q-18E(4.0-,03191-021,S,5.11g,74.6,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:24:28 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.61	2337.1E6	2493.3E6	197.155	214.448
Spiked Amount 200.000			Recovery	=	98.58%	107.22%
2) S DCB	12.10	12.04	596.9E6	591.4E6	190.921	192.478
Spiked Amount 200.000			Recovery	=	95.46%	96.24%
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

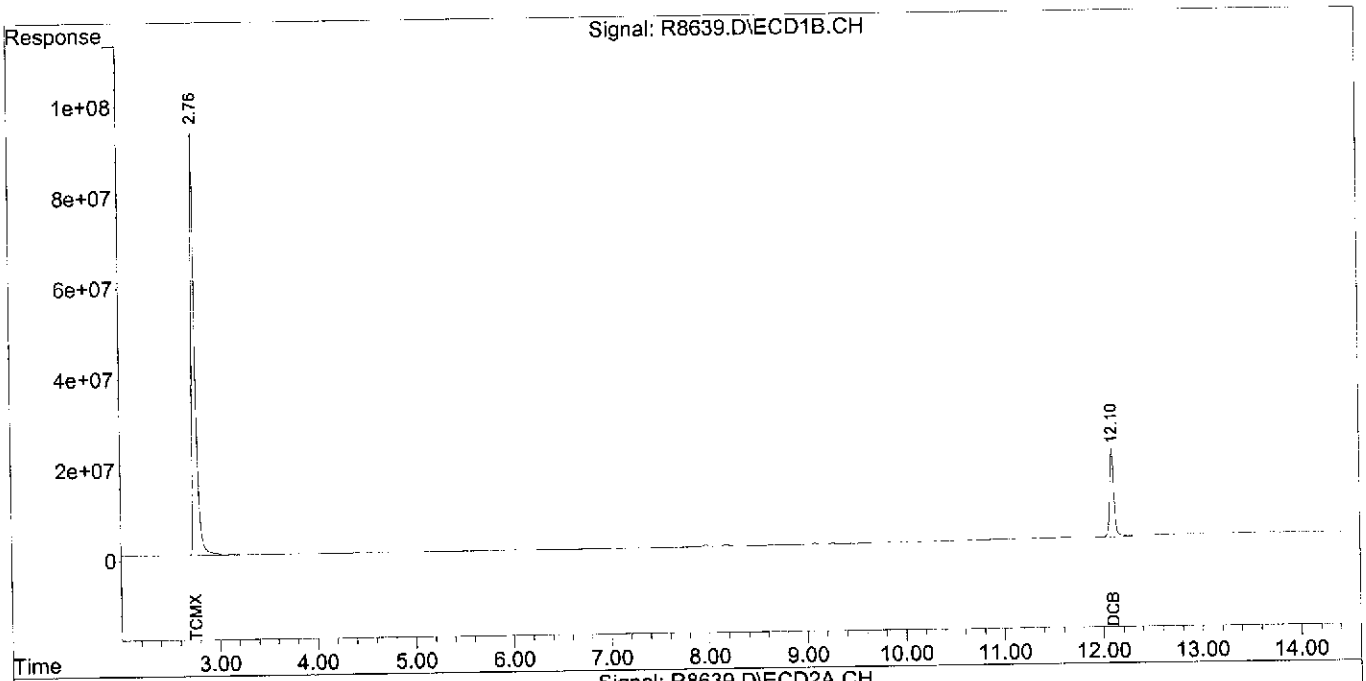
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

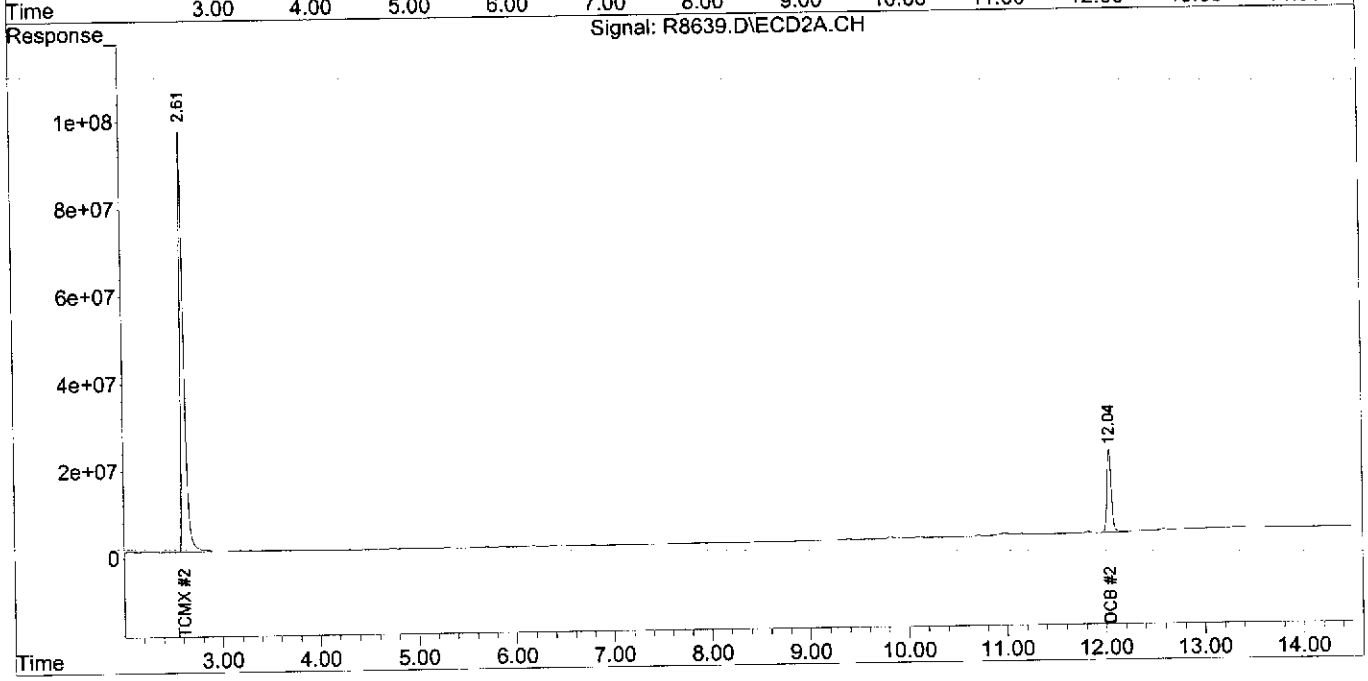
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : R8639.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 21:33
Operator : JS
Sample : Q-18E(4.0-,03191-021,S,5.11g,74.6,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,1
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:24:28 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-11-13\
Data File : R8640.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 21:50
Operator : JS
Sample : Q-18E(5.0-,03191-022,S,5.40g,19.2,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:25:05 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.61	1925.0E6	2032.9E6	162.389	174.847
Spiked Amount 200.000			Recovery	=	81.19%	87.42%
2) S DCB	12.10	12.04	466.3E6	477.5E6	149.146	155.418
Spiked Amount 200.000			Recovery	=	74.57%	77.71%
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
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.

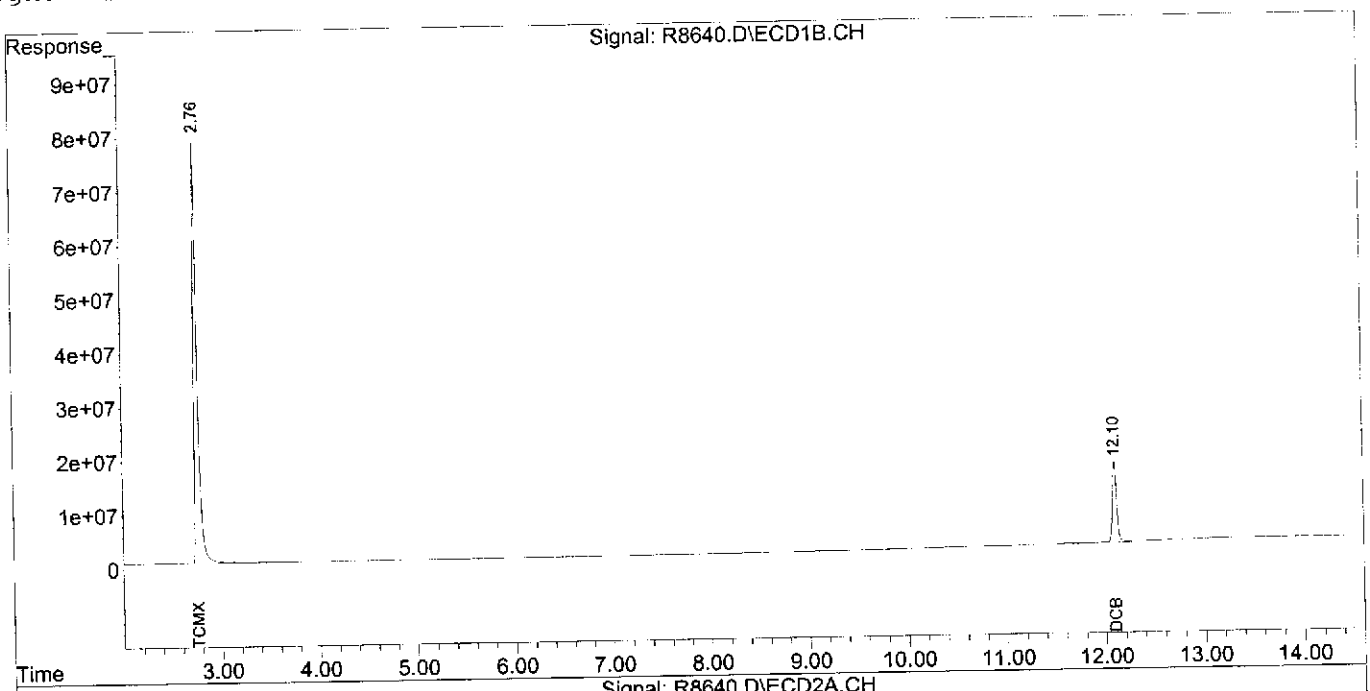
Quantitation Report (QT Reviewed)

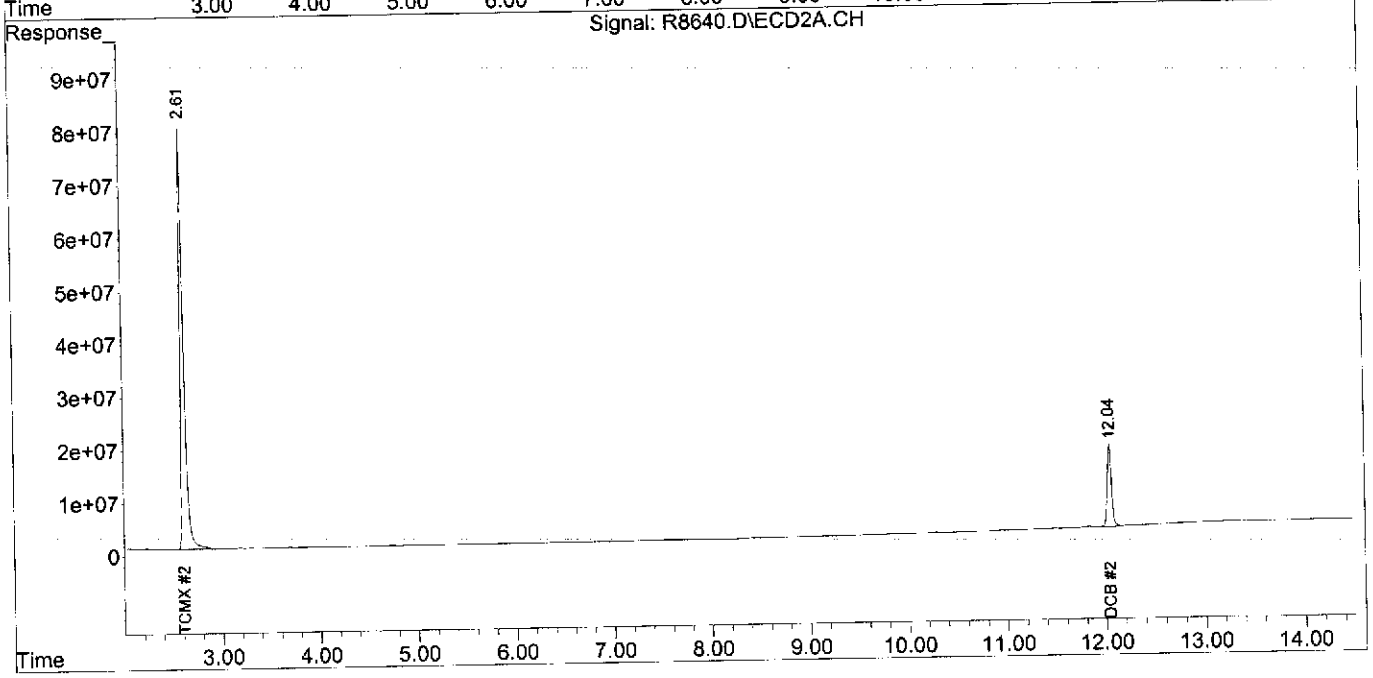
Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : R8640.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 21:50
Operator : JS
Sample : Q-18E(5.0-,03191-022,S,5.40g,19.2,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,1
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:25:05 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-11-13\
Data File : R8641.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 22:07
Operator : JS
Sample : Q-18E(2.0-,03191-023,S,5.64g,9.80,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:25:21 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.61	1989.7E6	2070.0E6	167.849	178.041
Spiked Amount 200.000			Recovery	=	83.92%	89.02%
2) S DCB	12.10	12.04	506.7E6	532.8E6	162.074	173.404
Spiked Amount 200.000			Recovery	=	81.04%	86.70%
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

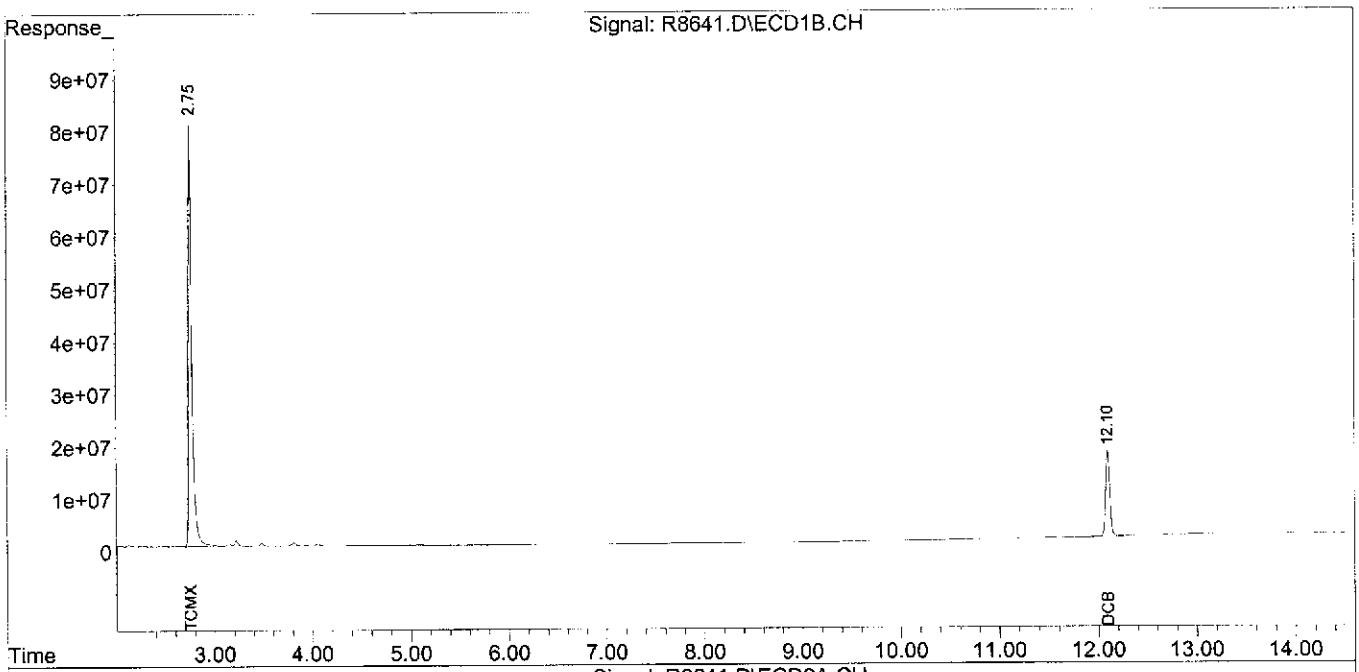
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

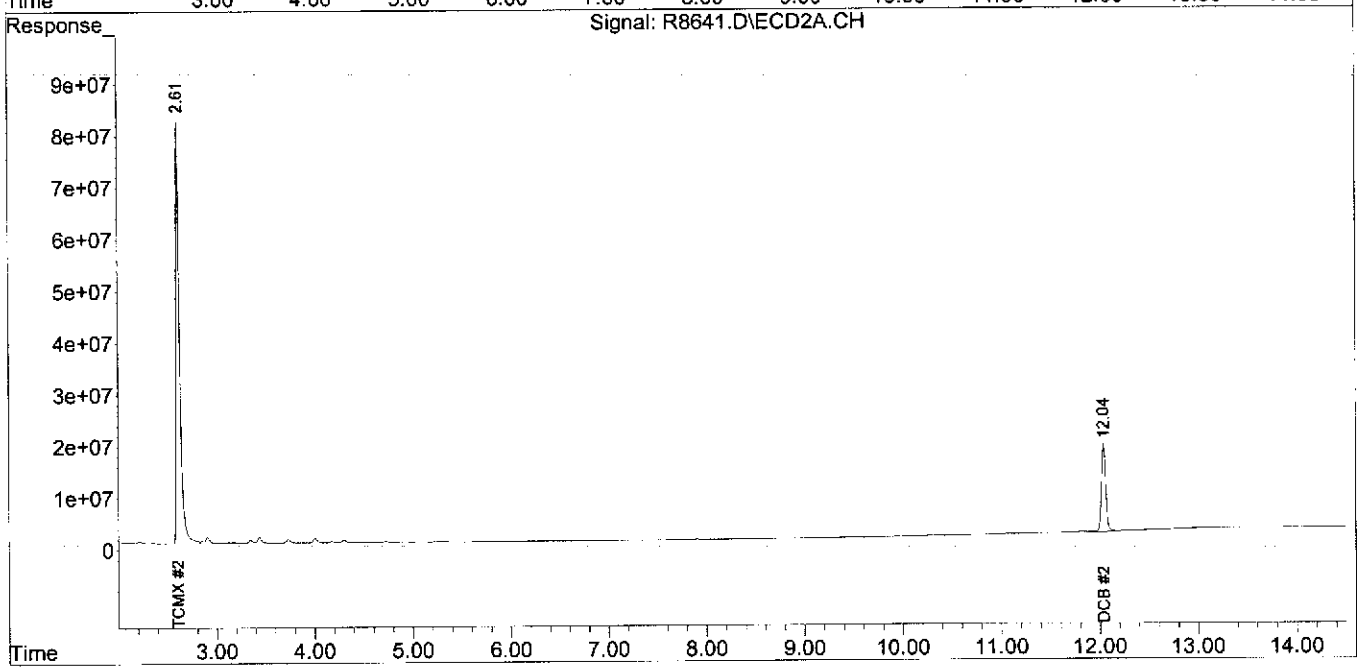
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : R8641.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 22:07
Operator : JS
Sample : Q-18E(2.0-,03191-023,S,5.64g,9.80,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,1
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:25:21 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-11-13\
Data File : R8642.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 22:25
Operator : JS
Sample : Q-18S(0-2.,03191-024,S,5.53g,8.90,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:26:28 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1831.1E6	1925.1E6	154.469	165.573	
Spiked Amount 200.000			Recovery	=	77.23%	82.79%	
2) S DCB	12.10	12.04	452.7E6	484.8E6	144.783	157.772	
Spiked Amount 200.000			Recovery	=	72.39%	78.89%	
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	4.73	160.4E6	175.0E6	380.165	429.661	
24) L6 Aroclor-1248 {2}	4.99	5.29	144.0E6	383.0E6	557.753	608.643	
25) L6 Aroclor-1248 {3}	5.32	5.69	165.7E6	287.7E6	489.882	635.931	#
26) L6 Aroclor-1248 {4}	6.01	5.84	621.1E6	307.3E6	1318.739	799.423	#
27) L6 Aroclor-1248 {5}	6.28	6.18	478.2E6	241.4E6	1195.895	1084.971	
Sum Aroclor-1248			1569.4E6	1394.4E6	3942.435	3558.628	
Average Aroclor-1248					788.487	711.726	
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	

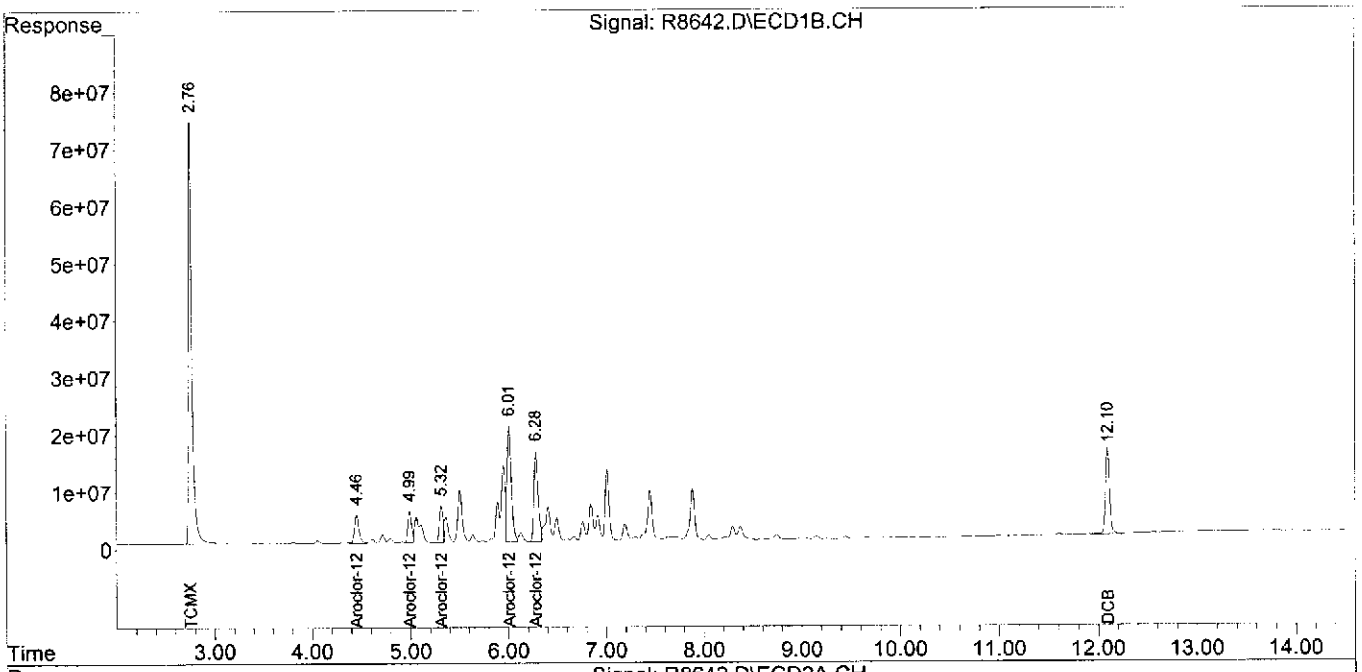
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

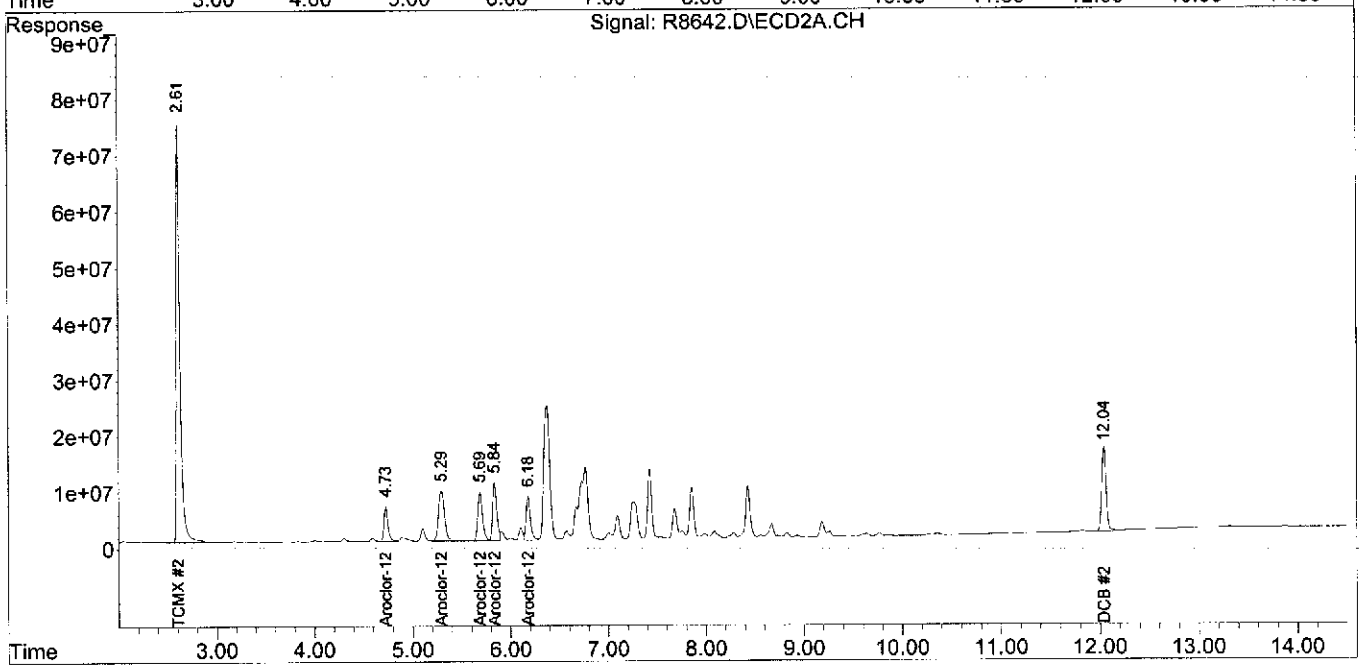
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : R8642.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 22:25
Operator : JS
Sample : Q-18S(0-2.,03191-024,S,5.53g,8.90,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,1
ALS Vial : 38 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:26:28 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-11-13\
Data File : R8643.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 22:42
Operator : JS
Sample : Q-18S(2.0-,03191-025,S,5.22g,11.0,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:28:18 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1820.4E6	1895.1E6	153.570	162.995
Spiked Amount 200.000			Recovery	=	76.78%	81.50%
2) S DCB	12.10	12.04	450.8E6	478.1E6	144.190	155.598
Spiked Amount 200.000			Recovery	=	72.09%	77.80%
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	4.44	4.73	201.9E6	197.1E6	478.576	483.840
24) L6 Aroclor-1248 {2}	4.99	5.30	97645106	363.4E6	378.089	577.493 #
25) L6 Aroclor-1248 {3}	5.31	5.70	37055546	117.1E6	109.520	258.956 #
26) L6 Aroclor-1248 {4}	6.01	5.84	140.3E6	113.8E6	297.783	295.922
27) L6 Aroclor-1248 {5}	6.29	6.18	65304336	36235756	163.331	162.892
Sum Aroclor-1248			542.1E6	827.6E6	1427.298	1779.102
Average Aroclor-1248					285.460	355.820
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.

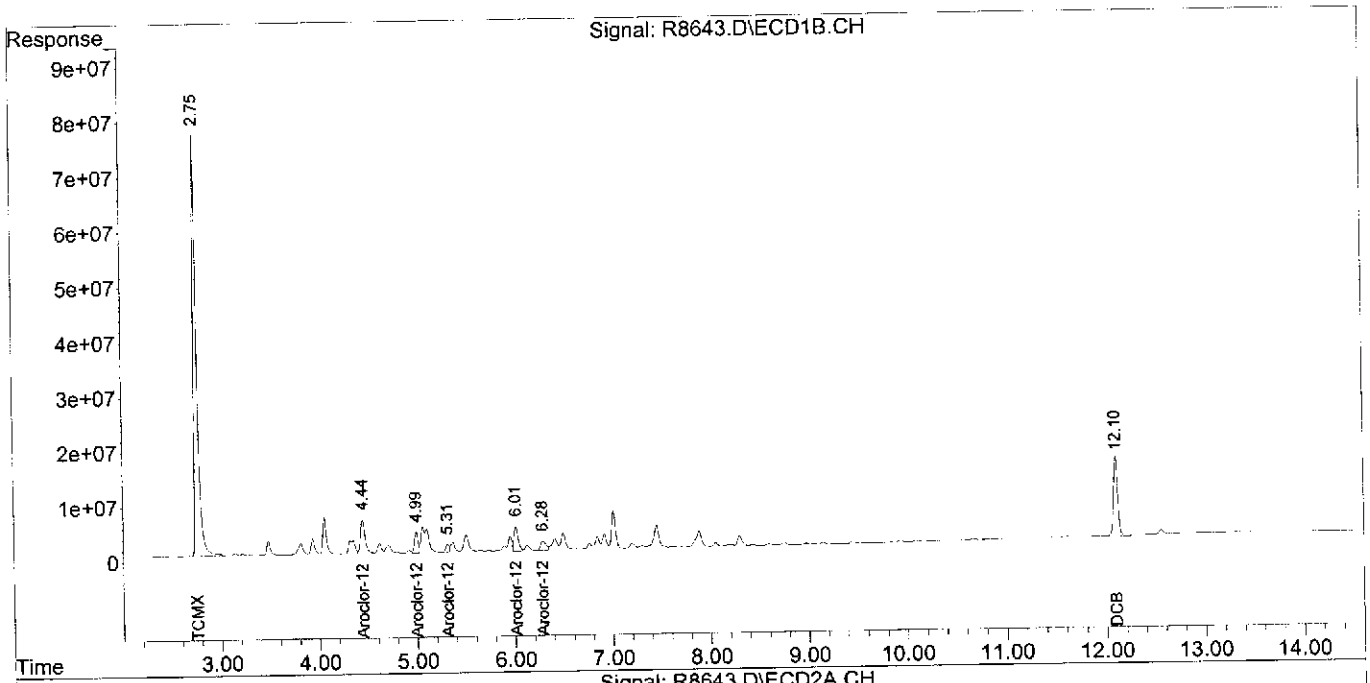
Quantitation Report (QT Reviewed)

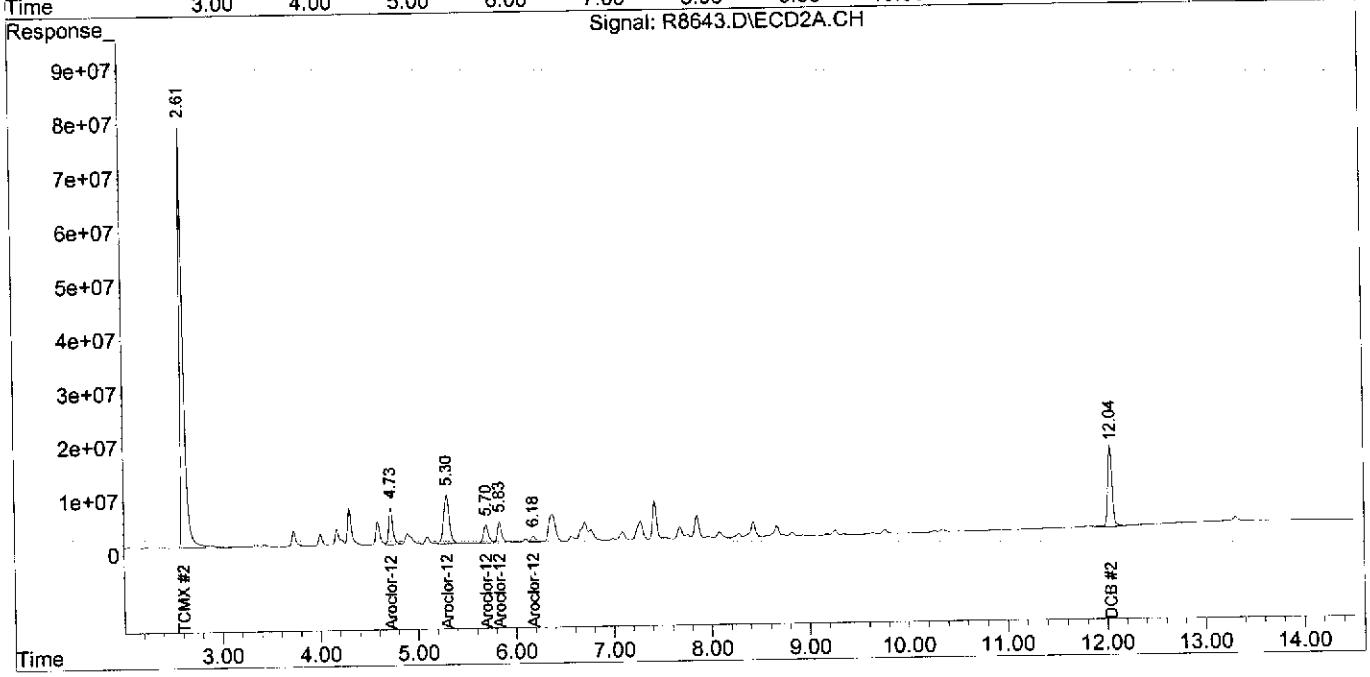
Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : R8643.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 22:42
Operator : JS
Sample : Q-18S(2.0-,03191-025,S,5.22g,11.0,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:28:18 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-11-13\
Data File : R8621.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 15:46
Operator : JS
Sample : Q-18W(0-2.,03191-026,S,5.04g,14.2,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,5
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:42:40 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	380.0E6	383.1E6	32.057	32.948	
Spiked Amount 200.000			Recovery	=	16.03%	16.47%	
2) S DCB	12.10	12.04	83718983	83944424	26.777m	27.320m	
Spiked Amount 200.000			Recovery	=	13.39%	13.66%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
23) L6 Aroclor-1248	4.46	4.73	474.9E6	508.7E6	1125.848	1248.856	
24) L6 Aroclor-1248 {2}	4.99	5.30	202.6E6	723.9E6	784.620	1150.537	#
25) L6 Aroclor-1248 {3}	5.31	5.69	307.4E6	559.5E6	908.434	1236.747	#
26) L6 Aroclor-1248 {4}	6.01	5.84	523.2E6	545.3E6	1110.773	1418.448	#
27) L6 Aroclor-1248 {5}	6.28	6.18	405.3E6	260.4E6	1013.723	1170.503	
Sum Aroclor-1248			1913.4E6	2597.9E6	4943.397	6225.092	
Average Aroclor-1248					988.679	1245.018	
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	

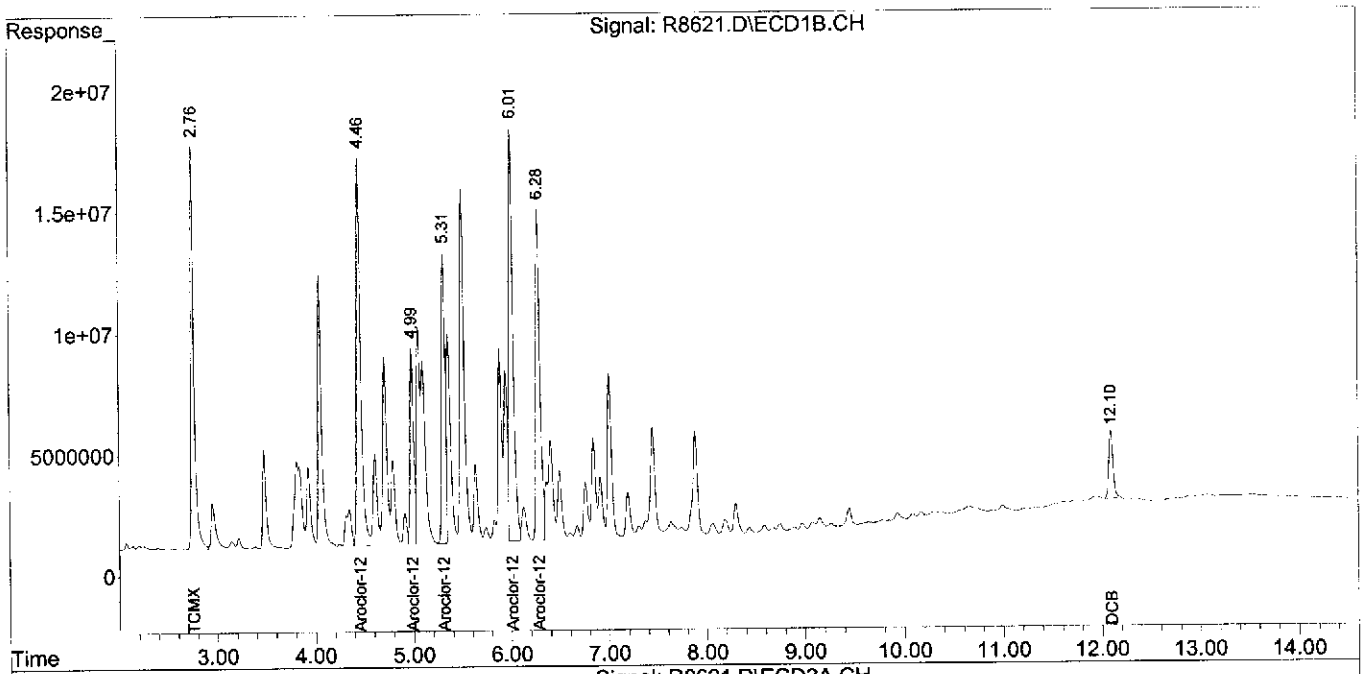
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

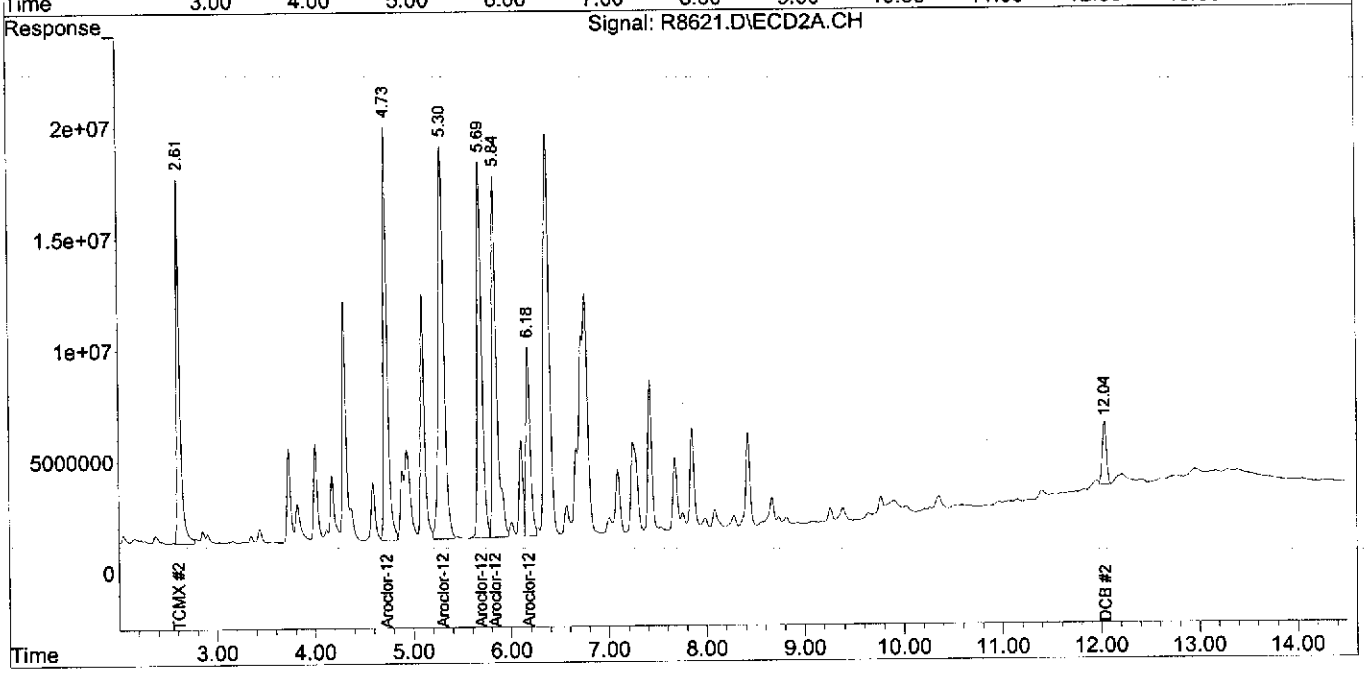
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : R8621.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 15:46
Operator : JS
Sample : Q-18W(0-2.,03191-026,S,5.04g,14.2,04/10/13,4
Misc : 130410-05,04/09/13,04/09/13,5
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 11:42:40 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : Y7211.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 22:18
Operator : NG
Sample : Q-18W(2.0-,03191-027,S,5.57g,10.7,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,5
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 10:36:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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	2.79	2.87	3286.7E6	1178.1E6	33.711	28.368
Spiked Amount 200.000			Recovery	=	16.86%	14.18%
2) S DCB	12.07	12.40	1141.4E6	366.8E6	32.713m	37.375m
Spiked Amount 200.000			Recovery	=	16.36%	18.69%
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
23) L6 Aroclor-1248	4.48	5.06	5900.9E6	2115.4E6	1603.539	1476.291
24) L6 Aroclor-1248 {2}	5.01	5.65	2634.7E6	3088.2E6	1245.992	1411.641
25) L6 Aroclor-1248 {3}	5.33	6.04	2545.1E6	1630.2E6	906.398	1059.548
26) L6 Aroclor-1248 {4}	6.03	6.19	4263.8E6	970.3E6	854.621	692.635
27) L6 Aroclor-1248 {5}	6.31	6.55	1419.0E6	513.9E6	369.351	699.441 #
Sum Aroclor-1248			16763.6E6	8317.9E6	4979.902	5339.556
Average Aroclor-1248					995.980	1067.911
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.

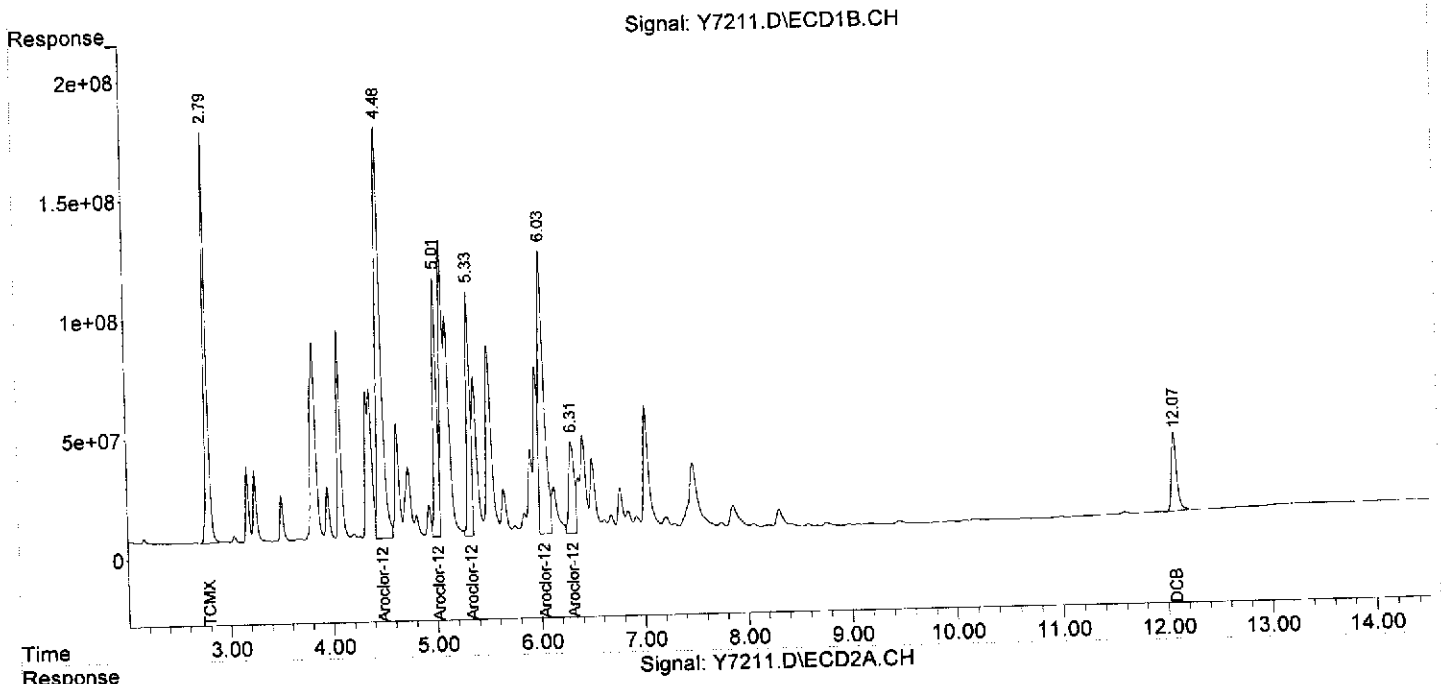
Quantitation Report (QT Reviewed)

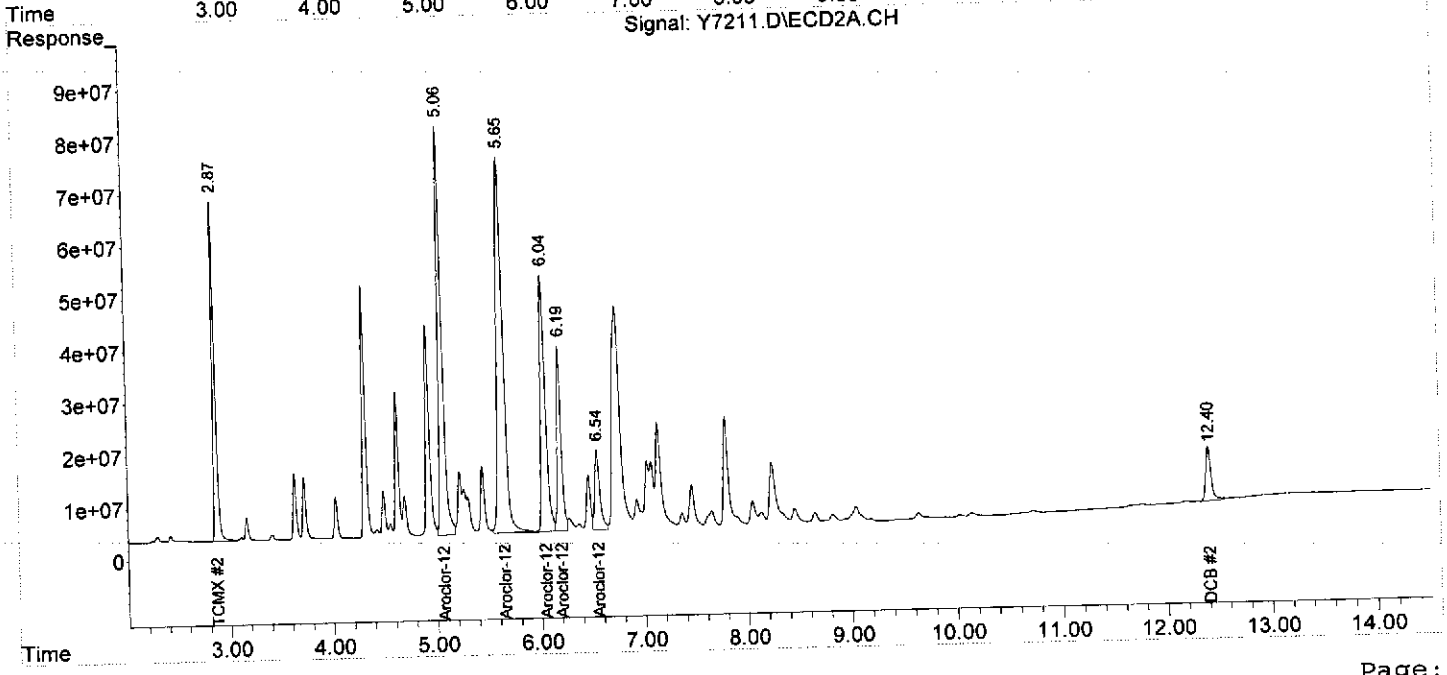
Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : Y7211.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 22:18
Operator : NG
Sample : Q-18W(2.0-,03191-027,S,5.57g,10.7,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,5
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 10:36:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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\04-12-13\
Data File : Y7212.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 22:35
Operator : NG
Sample : Q-18W(4.0-,03191-028,S,5.18g,64.5,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,2
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 10:37:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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	2.79	2.87	8903.9E6	3356.8E6	91.325	80.827
Spiked Amount 200.000			Recovery	=	45.66%	40.41%
2) S DCB	12.07	12.40	3814.0E6	1083.8E6	109.313	110.445
Spiked Amount 200.000			Recovery	=	54.66%	55.22%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.48	5.06	5617.0E6	2037.9E6	1526.383	1422.192
24) L6 Aroclor-1248 {2}	5.01	5.64	2608.8E6	2951.7E6	1233.773	1349.277
25) L6 Aroclor-1248 {3}	5.33	6.04	2763.7E6	1757.5E6	984.247	1142.305
26) L6 Aroclor-1248 {4}	6.03	6.19	4309.4E6	1119.9E6	863.745	799.462
27) L6 Aroclor-1248 {5}	6.31	6.55	1539.6E6	594.5E6	400.737	809.132 #
Sum Aroclor-1248			16838.5E6	8461.5E6	5008.884	5522.368
Average Aroclor-1248					1001.777	1104.474
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

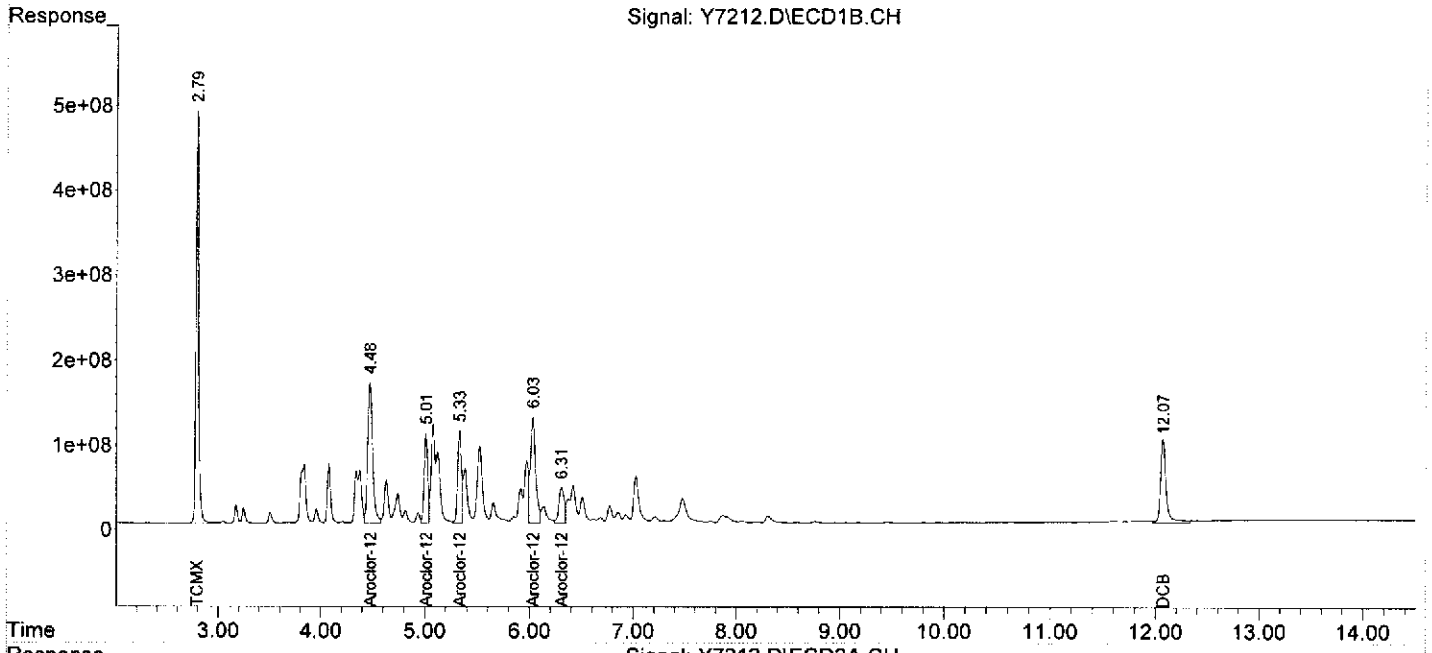
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

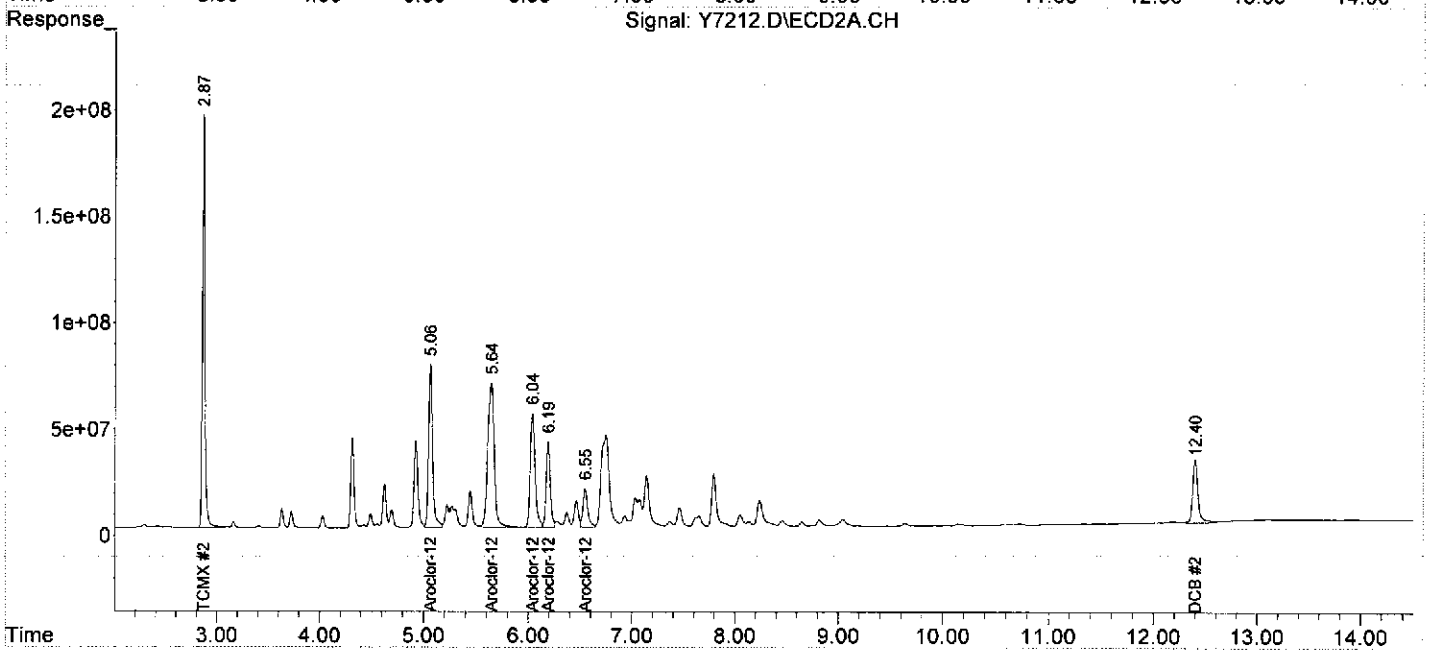
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : Y7212.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 22:35
Operator : NG
Sample : Q-18W(4.0-,03191-028,S,5.18g,64.5,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,2
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 10:37:36 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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\04-11-13\
Data File : Y7157.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 00:37
Operator : NG
Sample : Q-17S(4.0-,03191-029,S,5.43g,68.2,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 14:26:24 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0321.M
Quant Title :
QLast Update : Fri Apr 05 14:27:37 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	2.79	2.87	17743.3E6	6415.1E6	150.934	179.564
Spiked Amount 200.000			Recovery	=	75.47%	89.78%
2) S DCB	12.07	12.40	5149.6E6	1710.5E6	142.717	170.901
Spiked Amount 200.000			Recovery	=	71.36%	85.45%
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
18) L5 Aroclor-1242	4.08	4.70	29589971	5363585	14.246	14.188
19) L5 Aroclor-1242 {2}	5.01	5.45	42401163	14642962	31.932m	22.988 #
20) L5 Aroclor-1242 {3}	5.33	6.04	70539331	34324586	36.888	40.388m
21) L5 Aroclor-1242 {4}	6.04	6.20	126.3E6	29765708	42.325	41.764
22) L5 Aroclor-1242 {5}	6.31	6.76	48571590	42485656	18.762m	31.527m#
Sum Aroclor-1242			317.4E6	126.6E6	144.154	150.856
Average Aroclor-1242					28.831	30.171
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

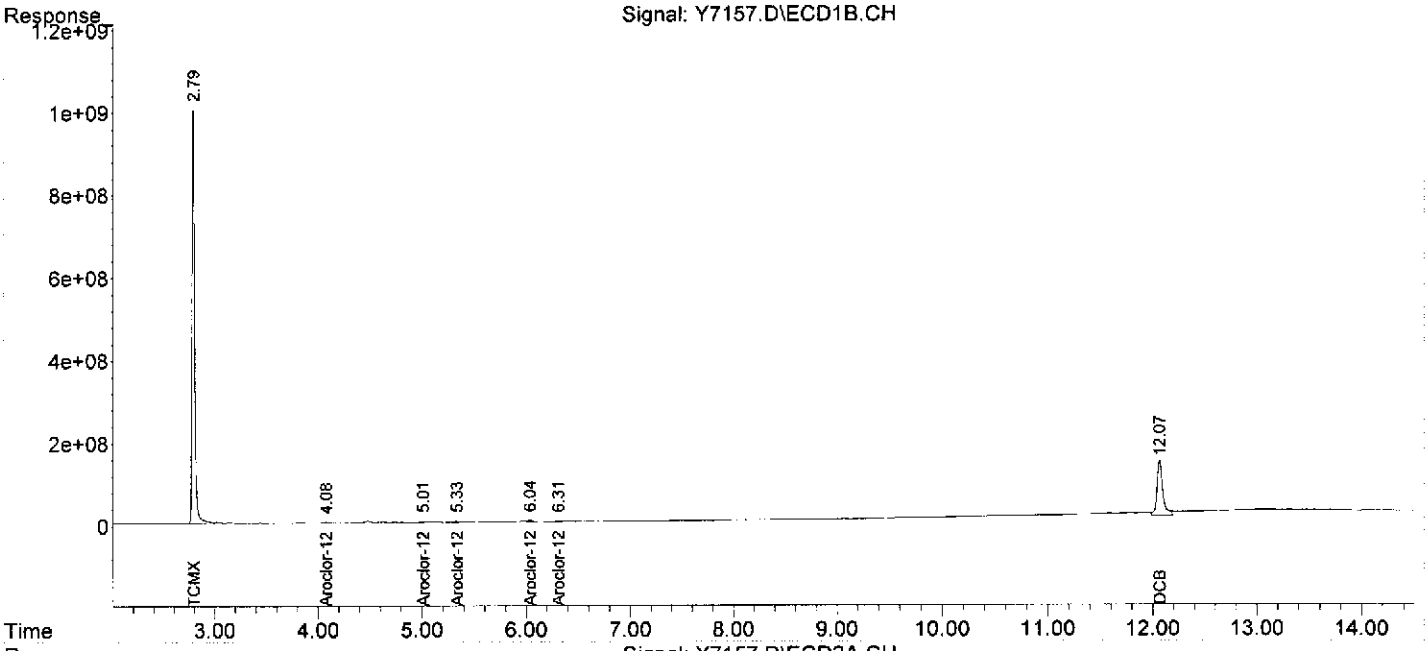
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

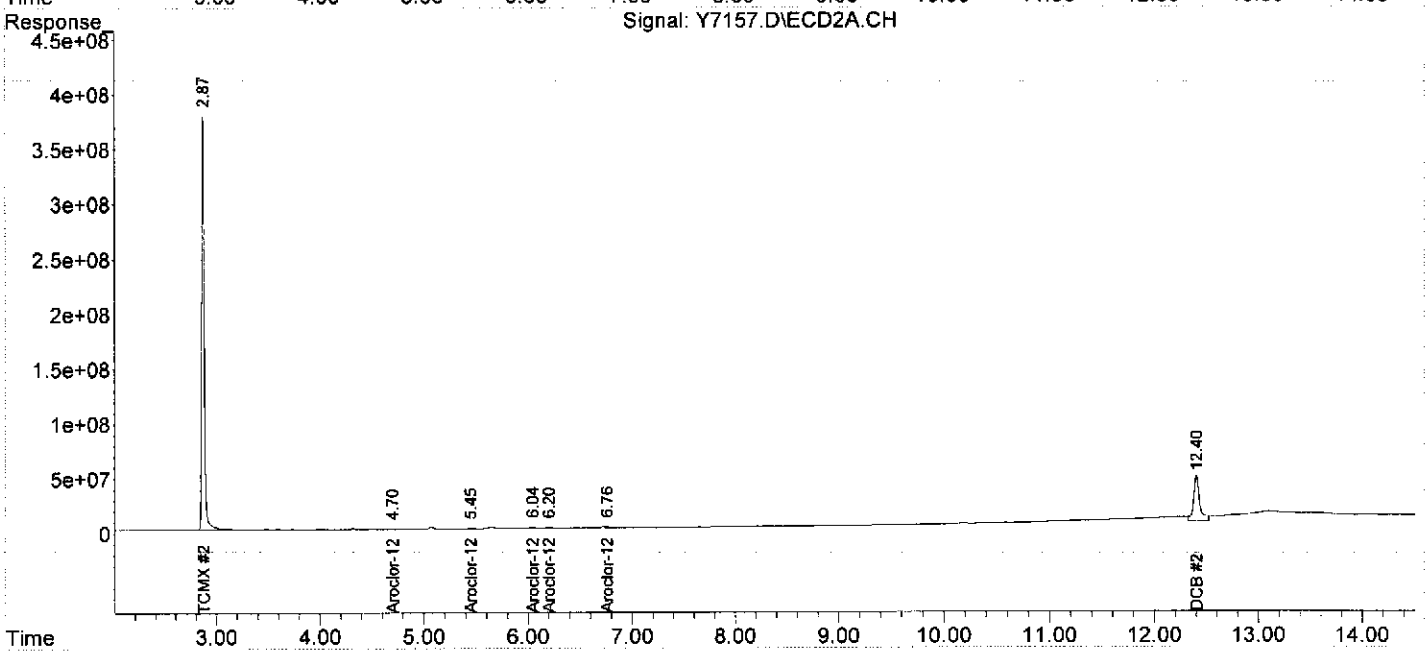
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : Y7157.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 00:37
Operator : NG
Sample : Q-17S(4.0-,03191-029,S,5.43g,68.2,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,1
ALS Vial : 29 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 14:26:24 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0321.M
Quant Title :
QLast Update : Fri Apr 05 14:27:37 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\04-11-13\
Data File : Y7158.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 00:54
Operator : NG
Sample : Q-17S(5.0-,03191-030,S,5.85g,20.4,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 12:47:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0321.M
Quant Title :
QLast Update : Fri Apr 05 14:27:37 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	2.79	2.87	15260.9E6	5310.6E6	129.818	148.647
Spiked Amount 200.000			Recovery	=	64.91%	74.32%
2) S DCB	12.07	12.40	4285.7E6	1611.5E6	118.775	161.005 #
Spiked Amount 200.000			Recovery	=	59.39%	80.50%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.70	26634640	5508159	12.823	14.571
19) L5 Aroclor-1242 {2}	5.01	5.45	57423451	12424915	43.246	19.506 #
20) L5 Aroclor-1242 {3}	5.33	6.04	59601511	43561853	31.168	51.257 #
21) L5 Aroclor-1242 {4}	6.03	6.20	124.4E6	31641530	41.715	44.396
22) L5 Aroclor-1242 {5}	6.31	6.75	48735032	33152003	18.825m	24.601m#
Sum Aroclor-1242			316.8E6	126.3E6	147.777	154.331
Average Aroclor-1242					29.555	30.866
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

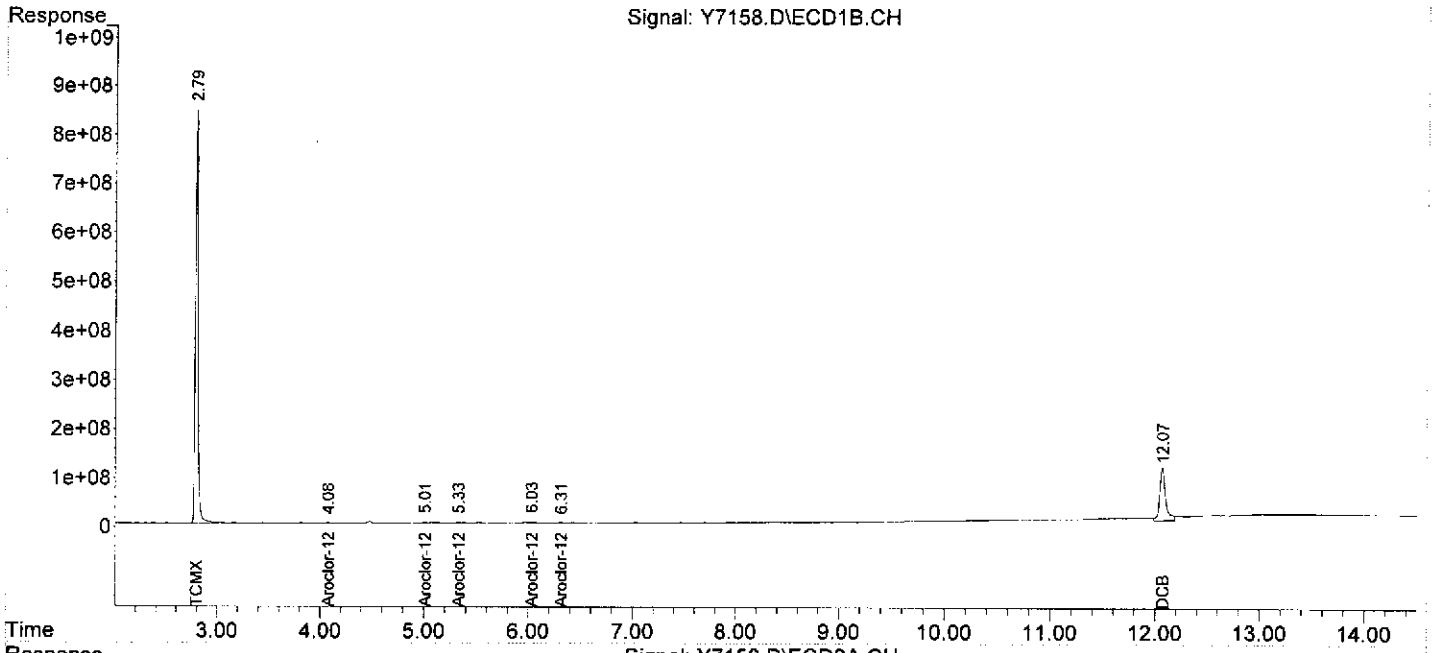
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

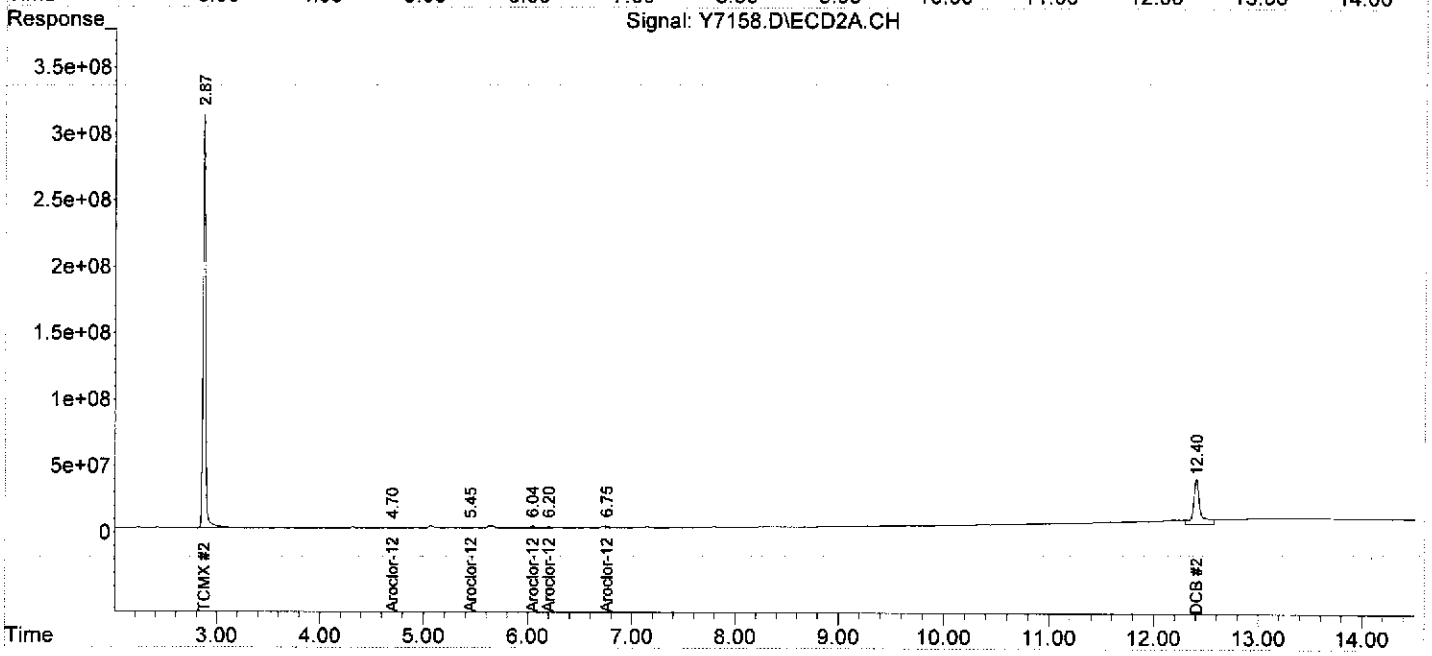
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : Y7158.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 00:54
Operator : NG
Sample : Q-17S(5.0-,03191-030,S,5.85g,20.4,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,1
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 12:47:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0321.M
Quant Title :
QLast Update : Fri Apr 05 14:27:37 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\04-15-13\
Data File : Y7285.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 12:51
Operator : NG
Sample : Q-17E(0-2.,03191-031,S,5.21g,10.0,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,100
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 13:45:47 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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	2.79	2.87	195.8E6	71702758	2.008	1.727
Spiked Amount 200.000			Recovery	=	1.00%	0.86%
2) S DCB	12.07	12.40	61371683	28594330	1.759m	2.914m#
Spiked Amount 200.000			Recovery	=	0.88%	1.46%
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
24) L6 Aroclor-1248 {2}	5.01	5.64	4064.9E6	4332.1E6	1922.369m	1980.285m
25) L6 Aroclor-1248 {3}	5.33	6.04	5449.3E6	3069.2E6	1940.663	1994.887
26) L6 Aroclor-1248 {4}	6.03	6.19	9166.3E6	2221.7E6	1837.237	1585.977
27) L6 Aroclor-1248 {5}	6.30	6.54	4174.6E6	1225.6E6	1086.575	1668.118 #
Sum Aroclor-1248			22855.1E6	10848.6E6	6786.844	7229.267
Average Aroclor-1248					1696.711	1807.317
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

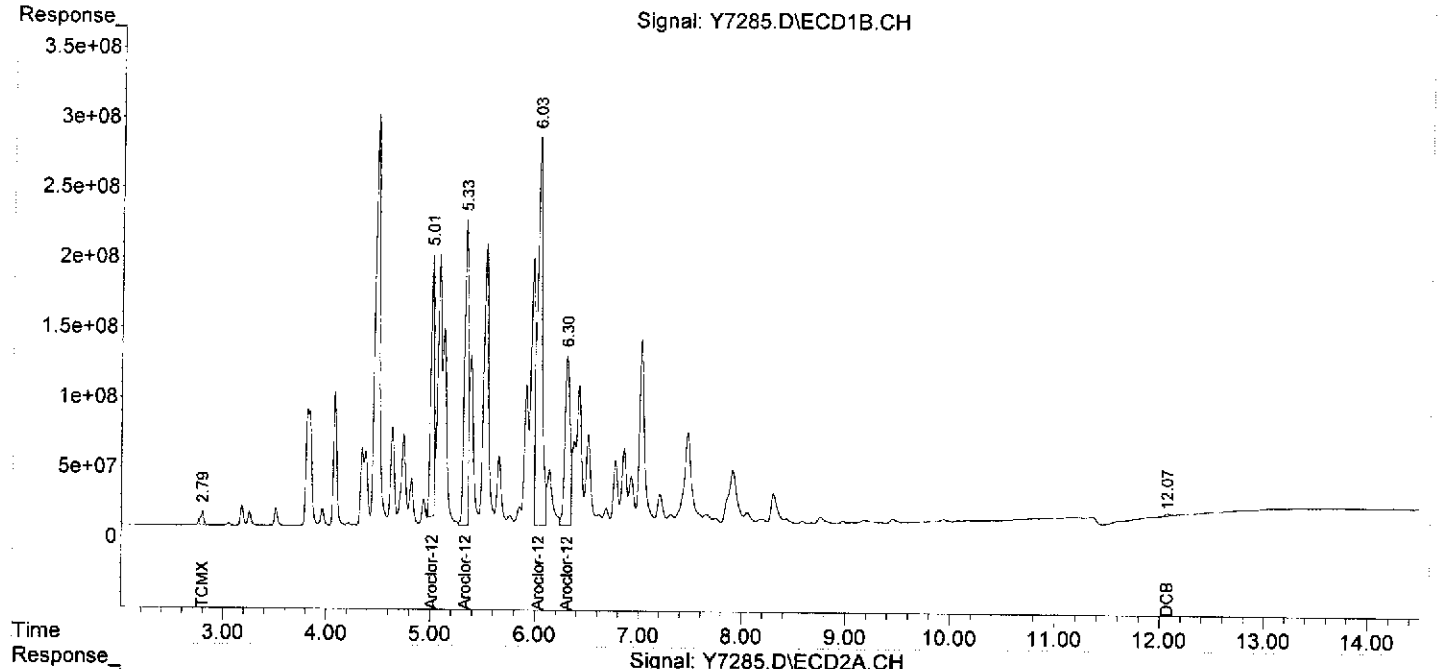
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

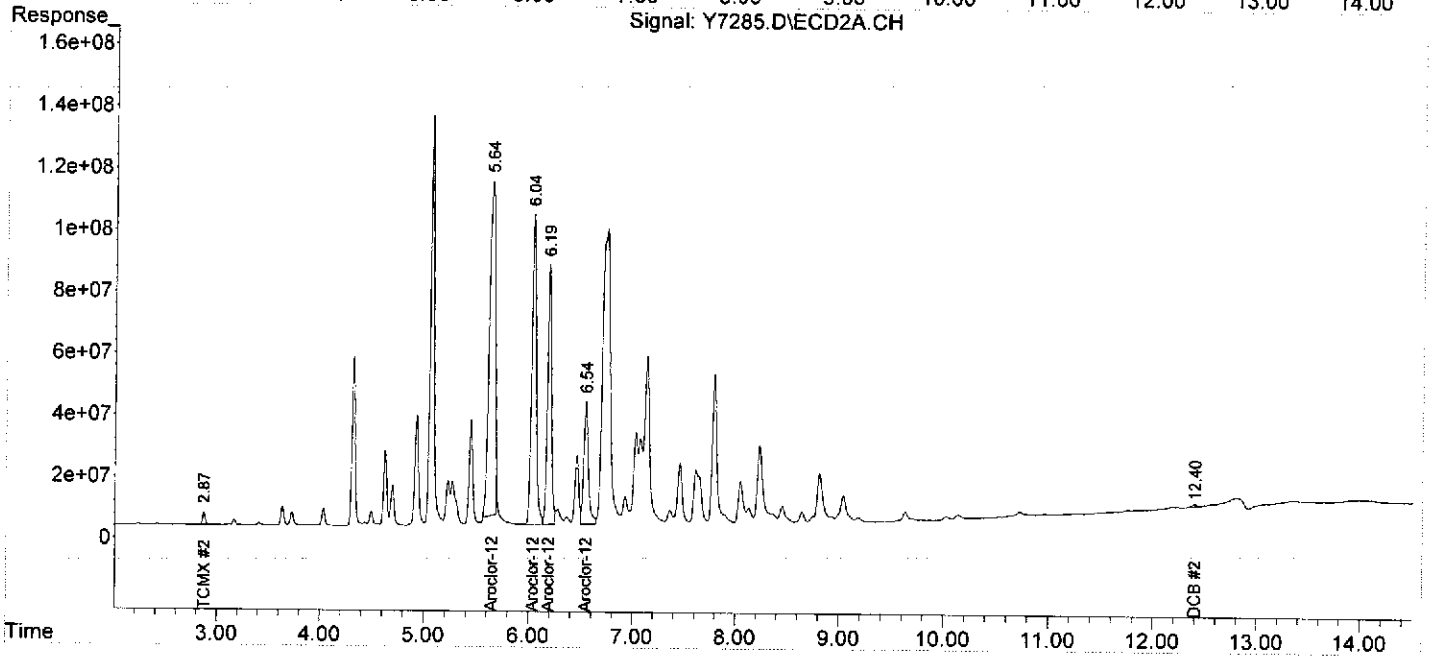
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7285.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 12:51
Operator : NG
Sample : Q-17E(0-2.,03191-031,S,5.21g,10.0,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,100
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 13:45:47 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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\04-11-13\
Data File : Y7160.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 1:28
Operator : NG
Sample : Q-17E(4.0-,03191-032,S,5.62g,73.7,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 12:46:27 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0321.M
Quant Title :
QLast Update : Fri Apr 05 14:27:37 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	2.79	2.87	18160.3E6	6731.2E6	154.482	188.410
Spiked Amount 200.000			Recovery	=	77.24%	94.20%
2) S DCB	12.07	12.40	5425.7E6	1745.9E6	150.370	174.442
Spiked Amount 200.000			Recovery	=	75.19%	87.22%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.70	107.9E6	15810586	51.946	41.824
19) L5 Aroclor-1242 {2}	5.01	5.45	177.4E6	42069076	133.583	66.045 #
20) L5 Aroclor-1242 {3}	5.33	6.04	184.1E6	115.2E6	96.283	135.534m#
21) L5 Aroclor-1242 {4}	6.04	6.20	328.4E6	85783426	110.073	120.363m
22) L5 Aroclor-1242 {5}	6.31	6.76	126.6E6	98169669	48.886	72.849m#
Sum Aroclor-1242			924.3E6	357.0E6	440.771	436.614
Average Aroclor-1242					88.154	87.323
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

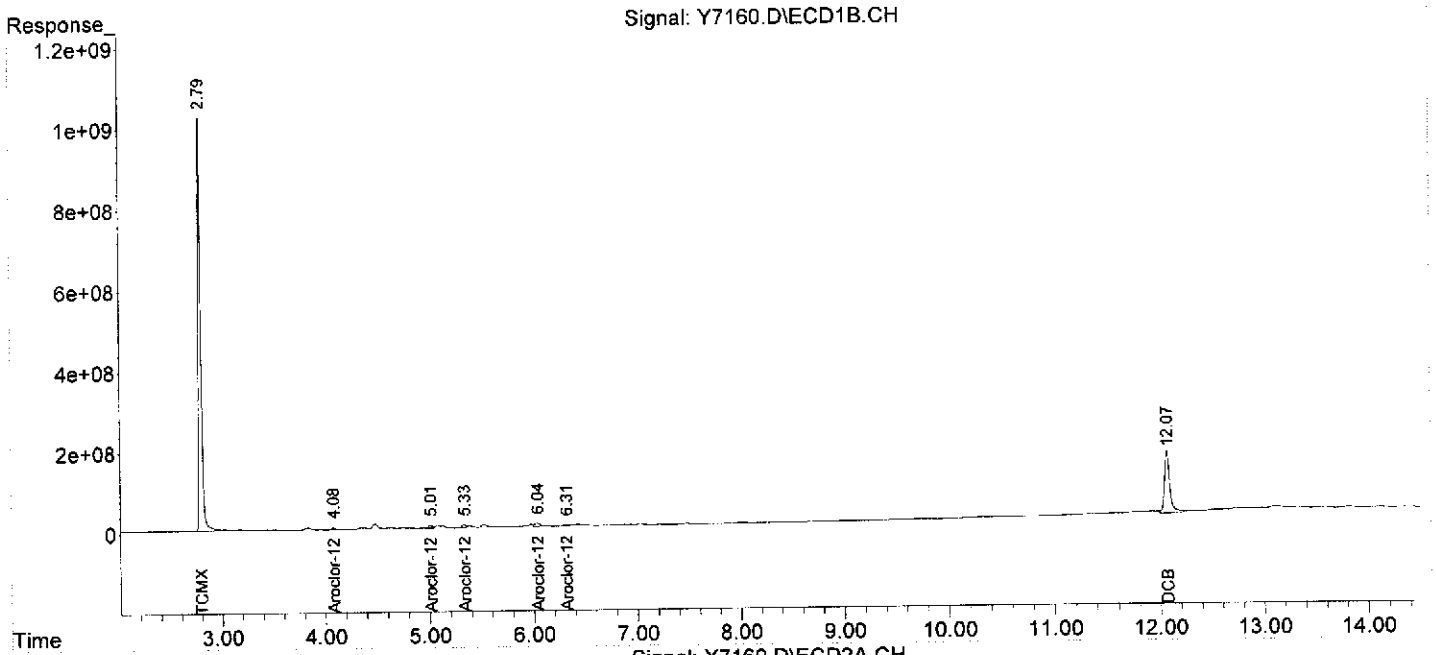
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

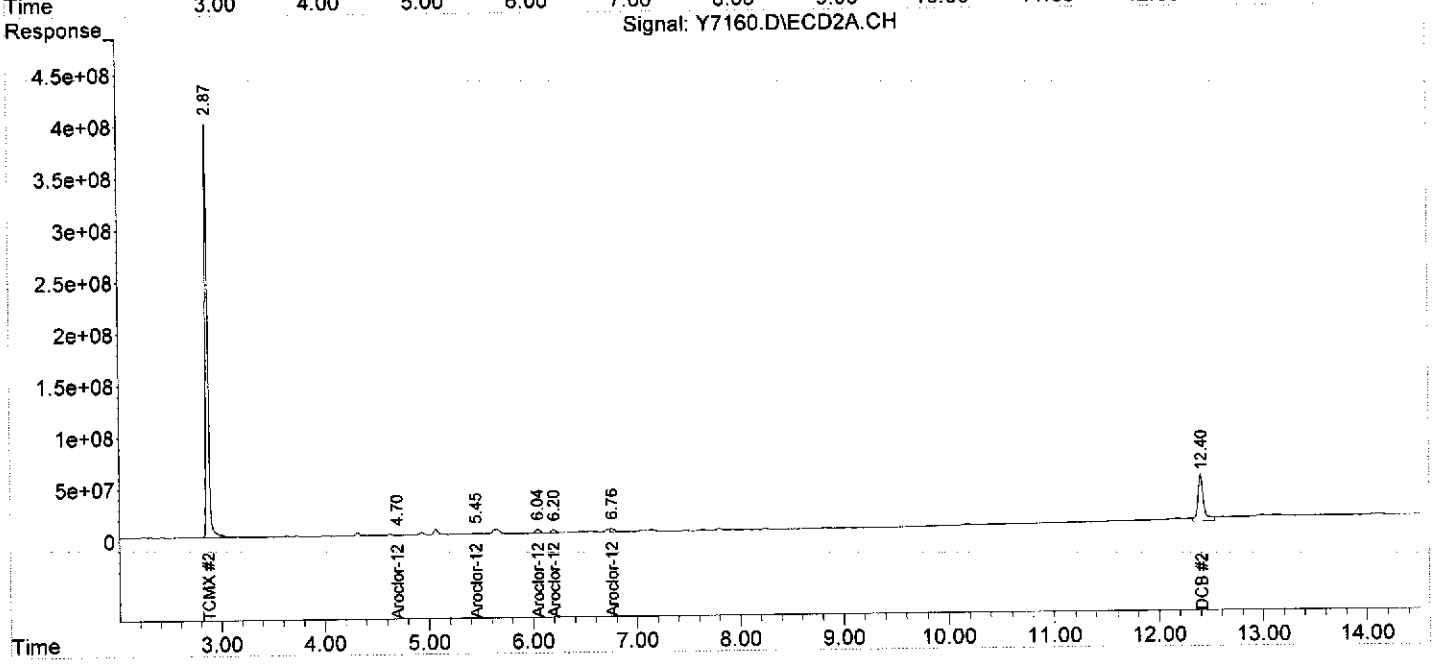
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : Y7160.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 1:28
Operator : NG
Sample : Q-17E(4.0-,03191-032,S,5.62g,73.7,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,1
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 12:46:27 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0321.M
Quant Title :
QLast Update : Fri Apr 05 14:27:37 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\04-11-13\
Data File : Y7161.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 1:45
Operator : NG
Sample : Q-17E(5.0-,03191-033,S,5.81g,20.4,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 12:48:03 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0321.M
Quant Title :
QLast Update : Fri Apr 05 14:27:37 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	2.79	2.87	15250.8E6	5348.8E6	129.732	149.716
Spiked Amount 200.000			Recovery	=	64.87%	74.86%
2) S DCB	12.07	12.41	4192.2E6	1380.8E6	116.184	137.960
Spiked Amount 200.000			Recovery	=	58.09%	68.98%
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

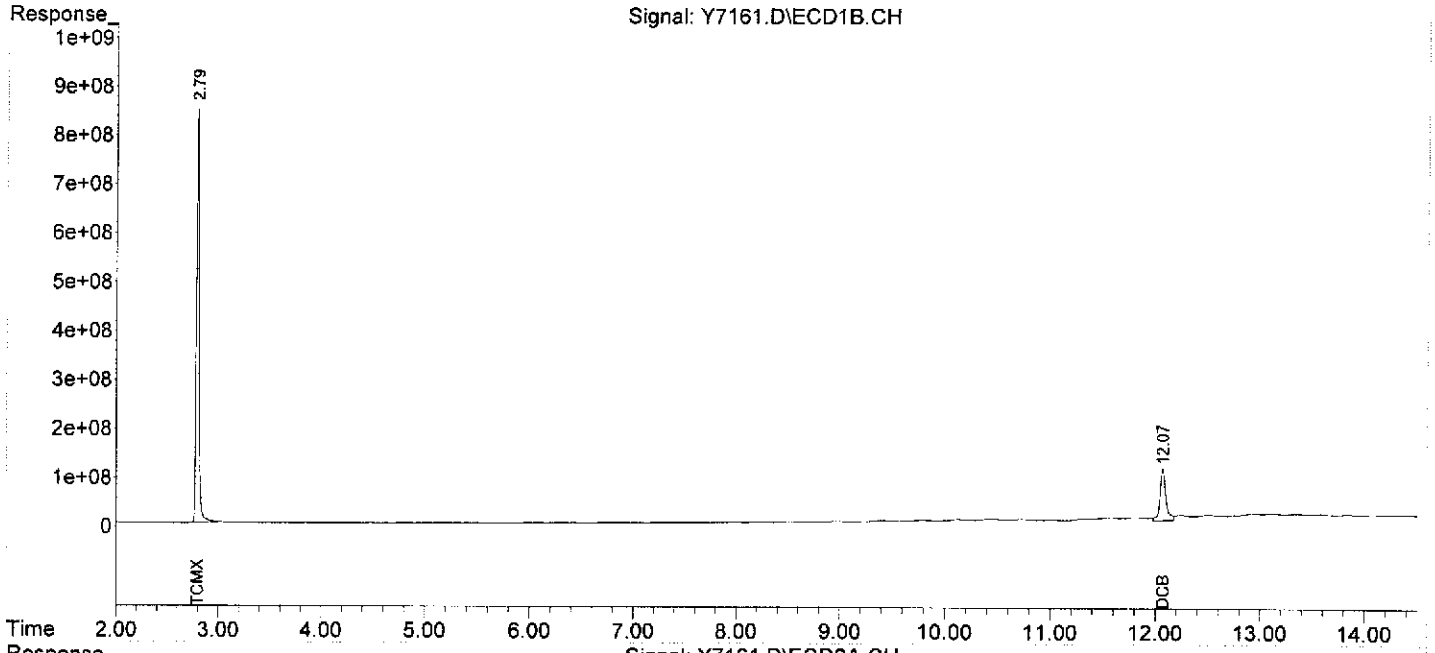
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

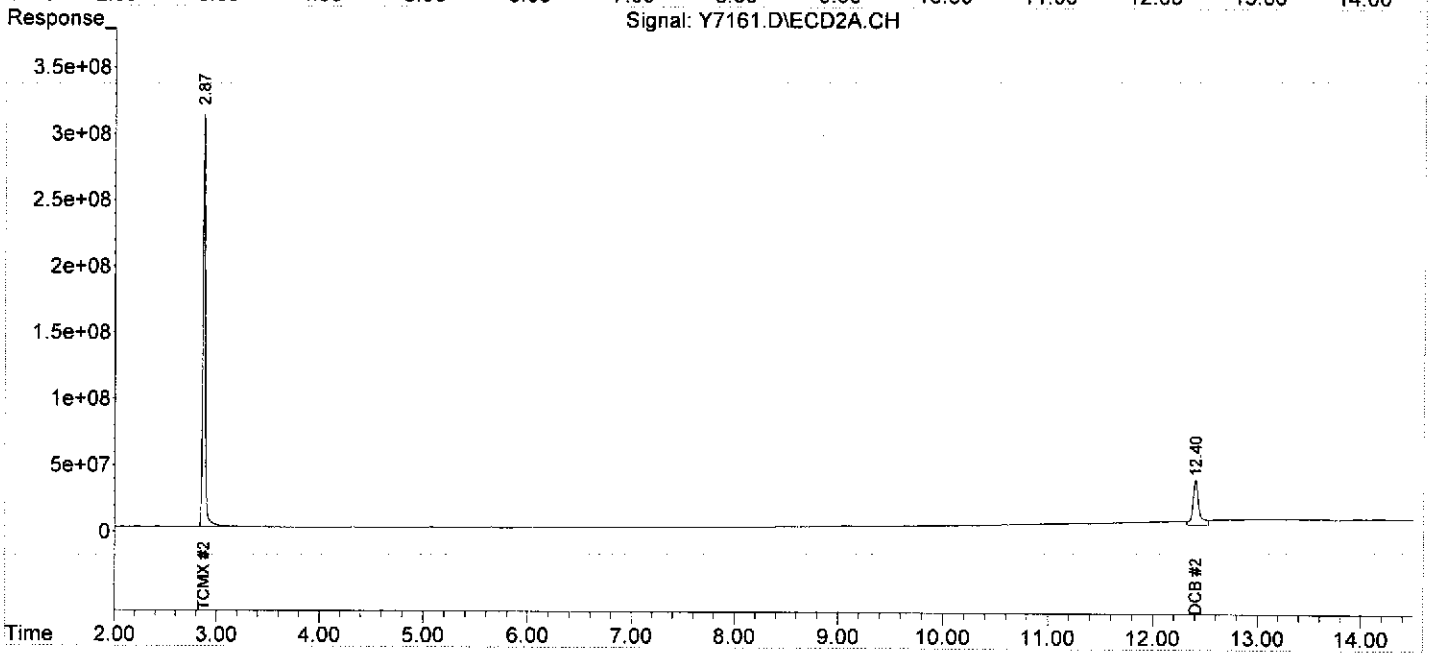
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : Y7161.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 1:45
Operator : NG
Sample : Q-17E(5.0-,03191-033,S,5.81g,20.4,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,1
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 12:48:03 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0321.M
Quant Title :
QLast Update : Fri Apr 05 14:27:37 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\04-15-13\
Data File : Y7286.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 13:08
Operator : NG
Sample : Q-17N(0-2.,03191-034,S,5.24g,19.6,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,250
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 14:51:49 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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	2.78	2.87	89421881	33130715	0.917m	0.798
Spiked Amount 200.000			Recovery	=	0.46%	0.40%
2) S DCB	12.07	12.39	33053687	11250714	0.947m	1.147m
Spiked Amount 200.000			Recovery	=	0.47%	0.57%
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
24) L6 Aroclor-1248 {2}	5.01	5.64	4142.5E6	4321.3E6	1959.090	1975.315m
25) L6 Aroclor-1248 {3}	5.33	6.03	5093.2E6	2886.3E6	1813.818	1875.992
26) L6 Aroclor-1248 {4}	6.03	6.19	9300.4E6	2515.8E6	1864.130m	1795.898
27) L6 Aroclor-1248 {5}	6.30	6.54	6747.6E6	1320.9E6	1756.286	1797.917m
Sum Aroclor-1248			25283.7E6	11044.3E6	7393.324	7445.123
Average Aroclor-1248					1848.331	1861.281
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.

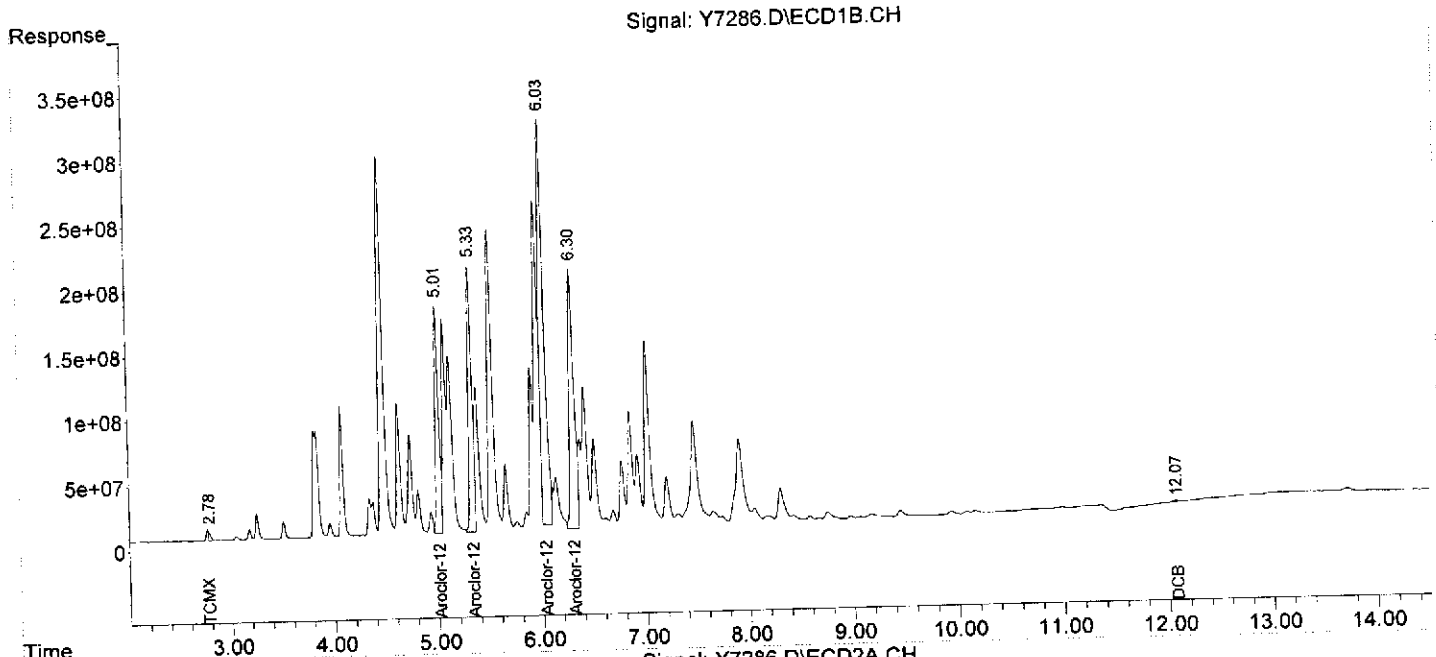
Quantitation Report (QT Reviewed)

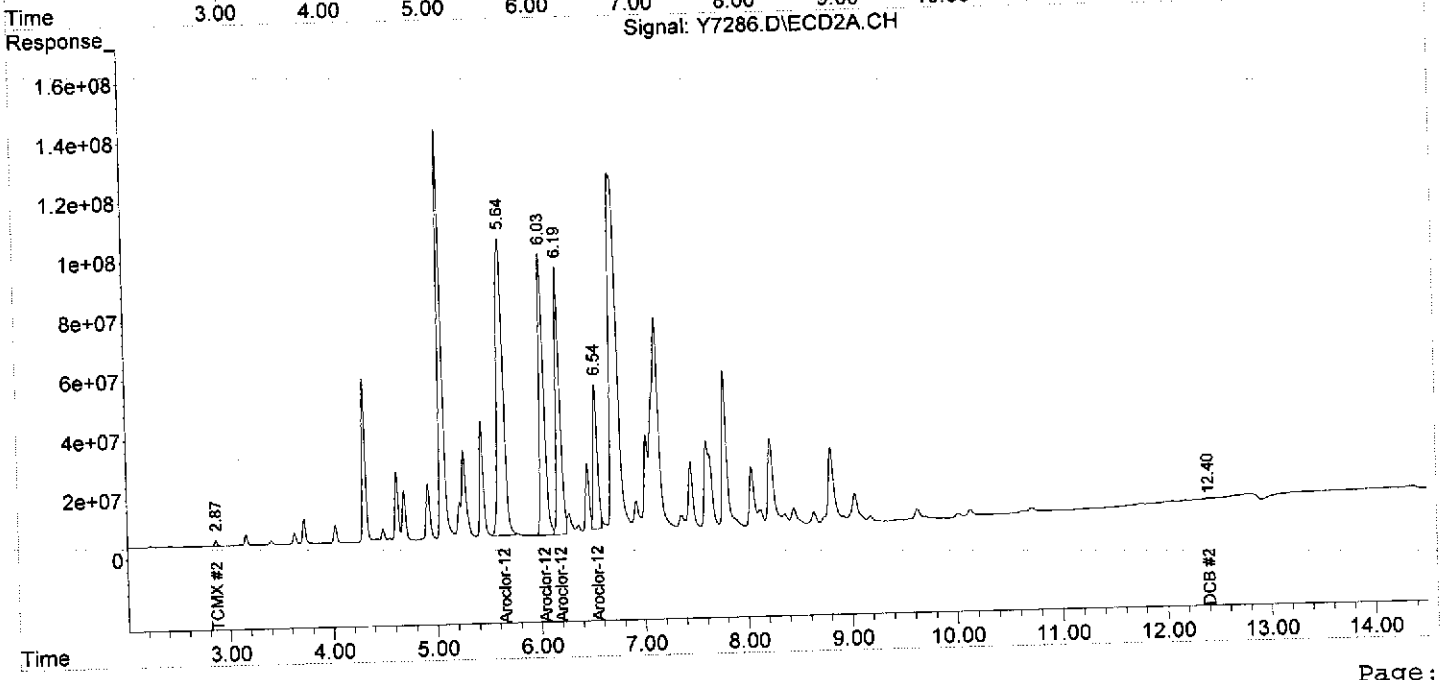
Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7286.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 13:08
Operator : NG
Sample : Q-17N(0-2.,03191-034,S,5.24g,19.6,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,250
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 14:51:49 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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\04-12-13\
Data File : Y7215.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 23:27
Operator : NG
Sample : Q-17N(2.0-,03191-035,S,5.25g,10.7,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 10:30:52 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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	2.79	2.87	14454.0E6	5634.7E6	148.250	135.676
Spiked Amount 200.000			Recovery	=	74.13%	67.84%
2) S DCB	12.07	12.40	5905.5E6	1876.6E6	169.258	191.242
Spiked Amount 200.000			Recovery	=	84.63%	95.62%
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	4.48	5.06	5183.3E6	1927.9E6	1408.534	1345.445
24) L6 Aroclor-1248 {2}	5.01	5.65	2119.1E6	2475.1E6	1002.181	1131.409
25) L6 Aroclor-1248 {3}	5.33	6.04	2409.5E6	1462.0E6	858.091	950.227
26) L6 Aroclor-1248 {4}	6.03	6.19	6136.4E6	1371.1E6	1229.956	978.790
27) L6 Aroclor-1248 {5}	6.31	6.55	4348.8E6	914.1E6	1131.931	1244.235
Sum Aroclor-1248			20197.2E6	8150.3E6	5630.693	5650.107
Average Aroclor-1248					1126.139	1130.021
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

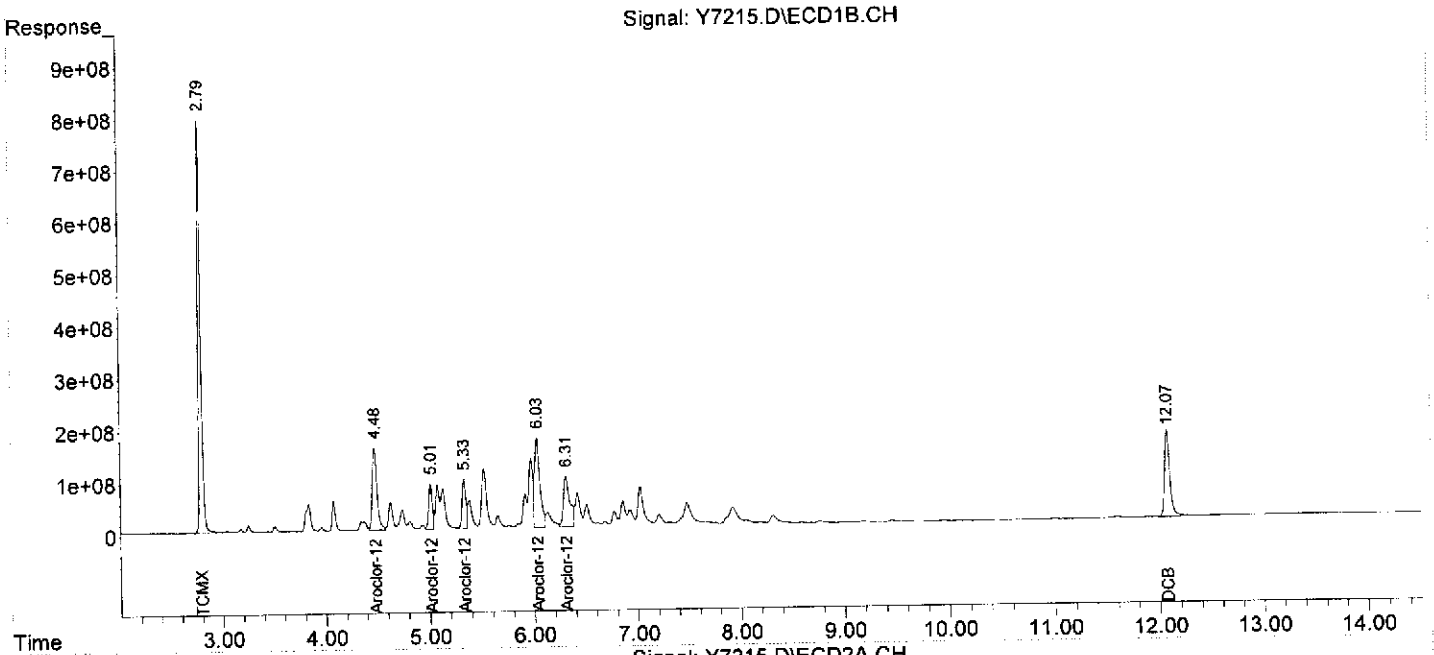
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

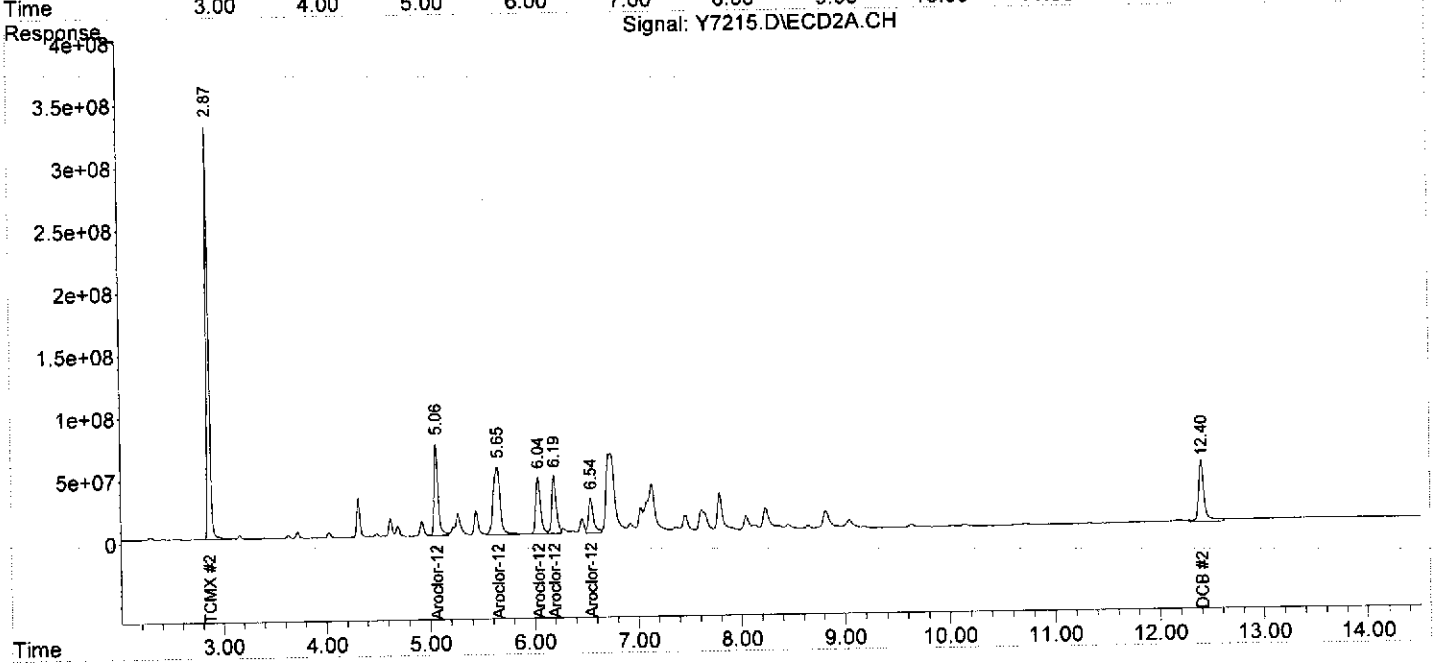
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : Y7215.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 23:27
Operator : NG
Sample : Q-17N(2.0-,03191-035,S,5.25g,10.7,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,1
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 10:30:52 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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\04-12-13\
Data File : Y7216.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 23:44
Operator : NG
Sample : Q-17N(4.0-,03191-036,S,5.52g,70.5,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,2
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 10:38:39 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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	2.79	2.87	8819.0E6	3412.9E6	90.454	82.179
Spiked Amount 200.000			Recovery	=	45.23%	41.09%
2) S DCB	12.07	12.40	3600.3E6	993.4E6	103.187m	101.229m
Spiked Amount 200.000			Recovery	=	51.59%	50.61%
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	4.48	5.06	5534.6E6	2150.2E6	1503.992	1500.556
24) L6 Aroclor-1248 {2}	5.01	5.65	2136.9E6	2291.9E6	1010.604	1047.660
25) L6 Aroclor-1248 {3}	5.33	6.04	2528.1E6	1650.5E6	900.329	1072.798
26) L6 Aroclor-1248 {4}	6.03	6.19	4643.4E6	1312.2E6	930.703	936.718
27) L6 Aroclor-1248 {5}	6.31	6.54	2812.9E6	703.8E6	732.144	958.005 #
Sum Aroclor-1248			17655.9E6	8108.7E6	5077.771	5515.738
Average Aroclor-1248					1015.554	1103.148
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

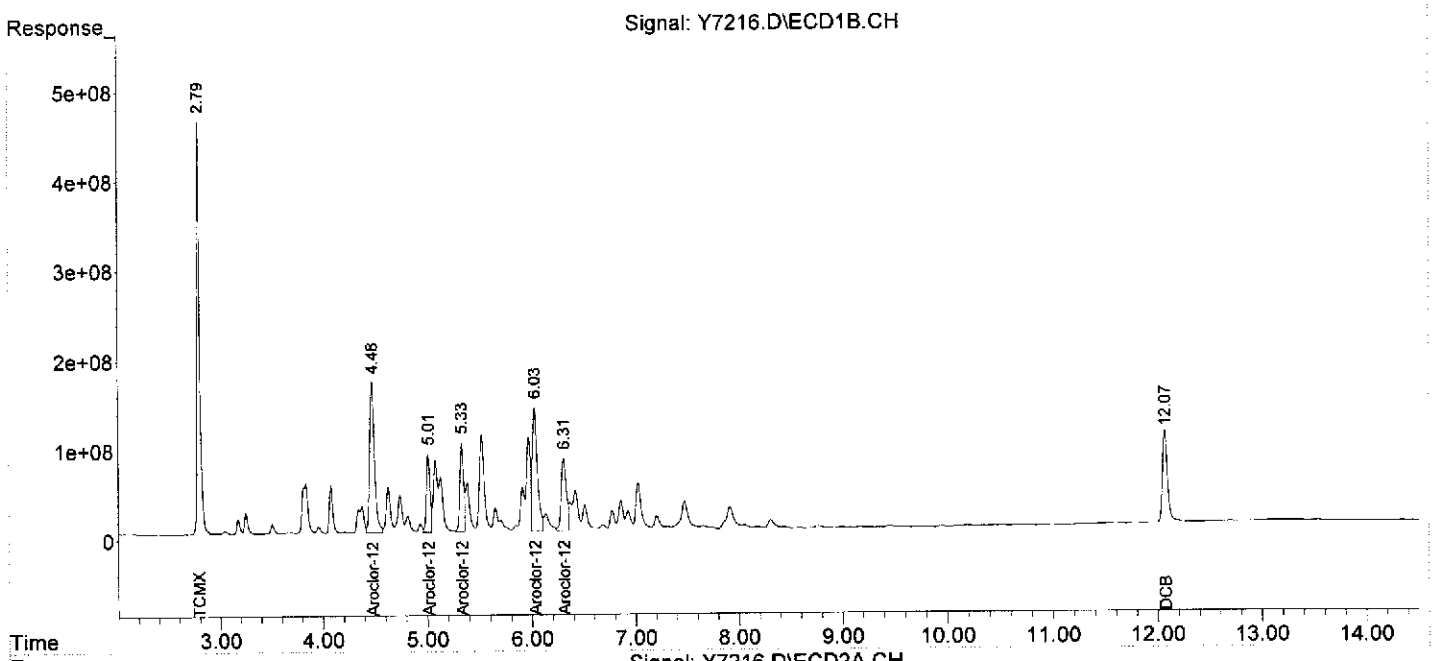
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

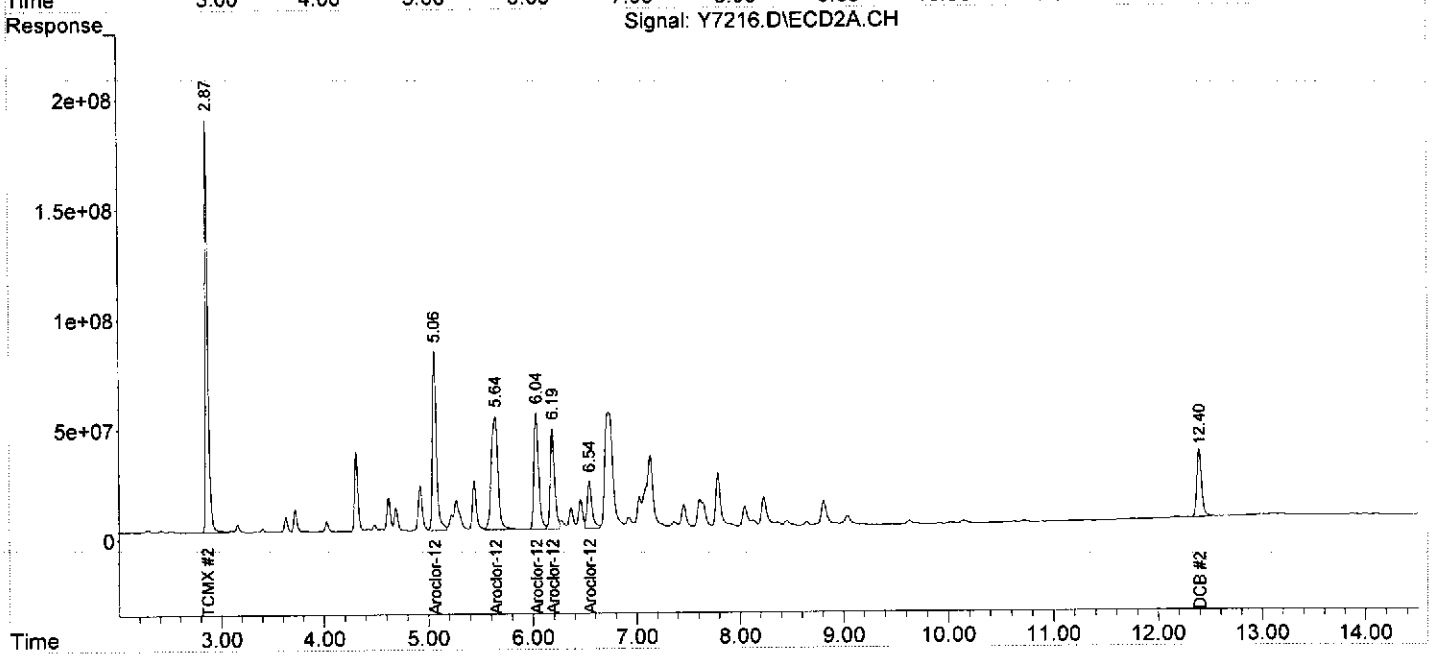
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : Y7216.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 23:44
Operator : NG
Sample : Q-17N(4.0-,03191-036,S,5.52g,70.5,04/11/13,4
Misc : 130411-04,04/09/13,04/09/13,2
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 10:38:39 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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\04-12-13\
Data File : R8708.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 21:29
Operator : JS
Sample : Q-17N(5.0-,03191-037,S,5.38g,21.4,04/11/13,4
Misc : 130411-14,04/09/13,04/09/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 18:19:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.61	2022.1E6	2045.3E6	170.585	175.911	
Spiked Amount 200.000			Recovery	=	85.29%	87.96%	
2) S DCB	12.10	12.04	474.0E6	508.4E6	151.606	165.467	
Spiked Amount 200.000			Recovery	=	75.80%	82.73%	
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	63568253	71856694	150.700	176.393	
24) L6 Aroclor-1248 {2}	4.99	5.30	18223666	58319228	70.563	92.684	#
25) L6 Aroclor-1248 {3}	5.31	5.69	19988251	37730284	59.076	83.402	#
26) L6 Aroclor-1248 {4}	6.01	5.84	33913678	33111215	72.004	86.125	
27) L6 Aroclor-1248 {5}	0.00	6.18	0	18927321	N.D. d	85.085	#
Sum Aroclor-1248			135.7E6	219.9E6	352.344	523.688	
Average Aroclor-1248					88.086	104.738	
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.

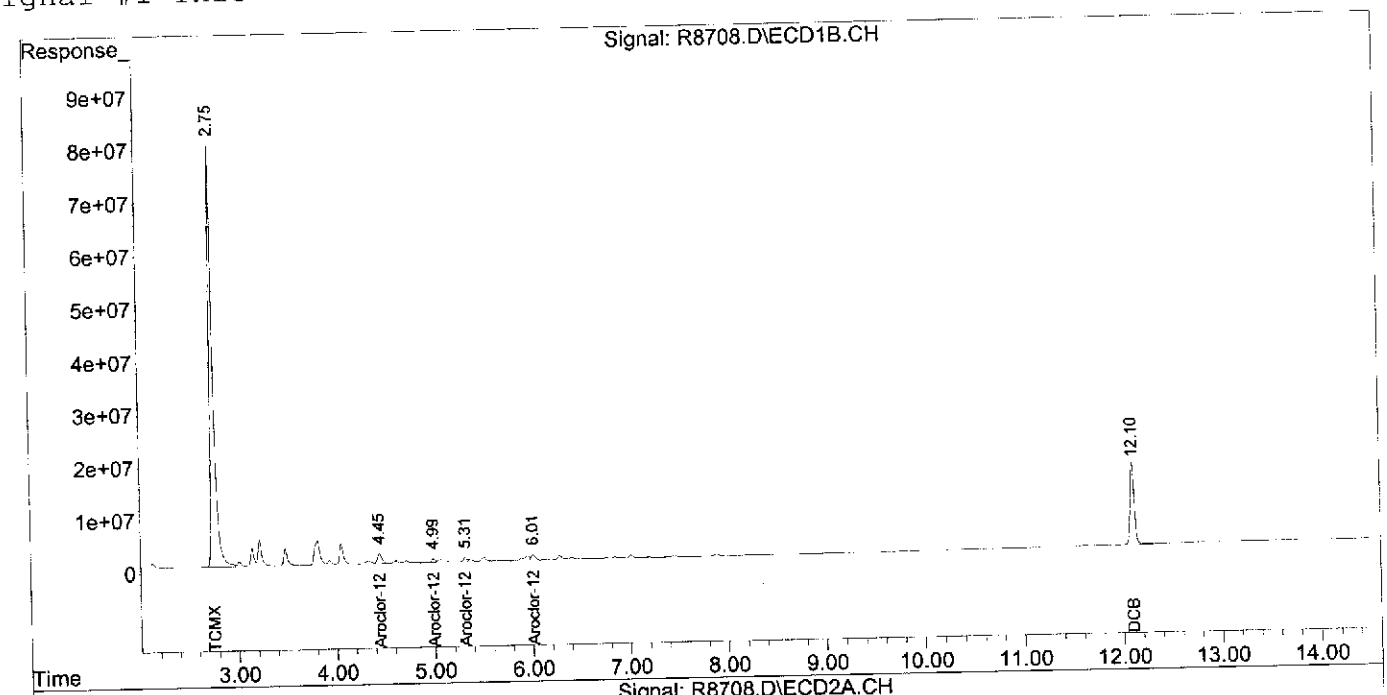
Quantitation Report (QT Reviewed)

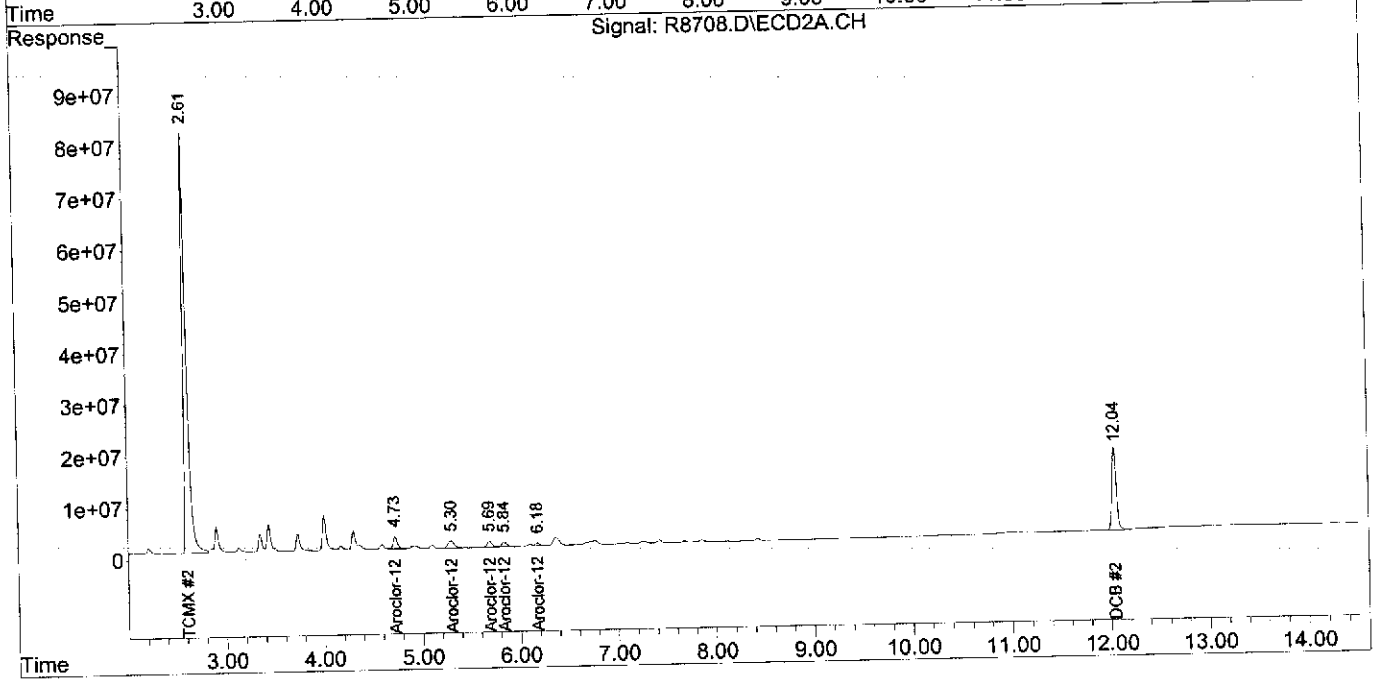
Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8708.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 21:29
Operator : JS
Sample : Q-17N(5.0-,03191-037,S,5.38g,21.4,04/11/13,4
Misc : 130411-14,04/09/13,04/09/13,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 18:19:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : R8709.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 21:46
Operator : JS
Sample : Q-16W(0-2.,03191-038,S,5.39g,15.3,04/11/13,4
Misc : 130411-14,04/09/13,04/09/13,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 18:19:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.61	1846.5E6	1969.1E6	155.772	169.363	
Spiked Amount 200.000			Recovery	=	77.89%	84.68%	
2) S DCB	12.10	12.04	450.0E6	491.9E6	143.926	160.084	
Spiked Amount 200.000			Recovery	=	71.96%	80.04%	
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	92921841	105.5E6	220.288	258.935	
24) L6 Aroclor-1248 {2}	4.99	5.30	70847533	217.3E6	274.327	345.344	#
25) L6 Aroclor-1248 {3}	5.31	5.69	76834804	137.2E6	227.089	303.210	#
26) L6 Aroclor-1248 {4}	6.01	5.84	122.5E6	108.5E6	260.008	282.129	
27) L6 Aroclor-1248 {5}	0.00	6.18	0	51836372	N.D. d	233.022	#
Sum Aroclor-1248			363.1E6	620.3E6	981.711	1422.640	
Average Aroclor-1248					245.428	284.528	
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	

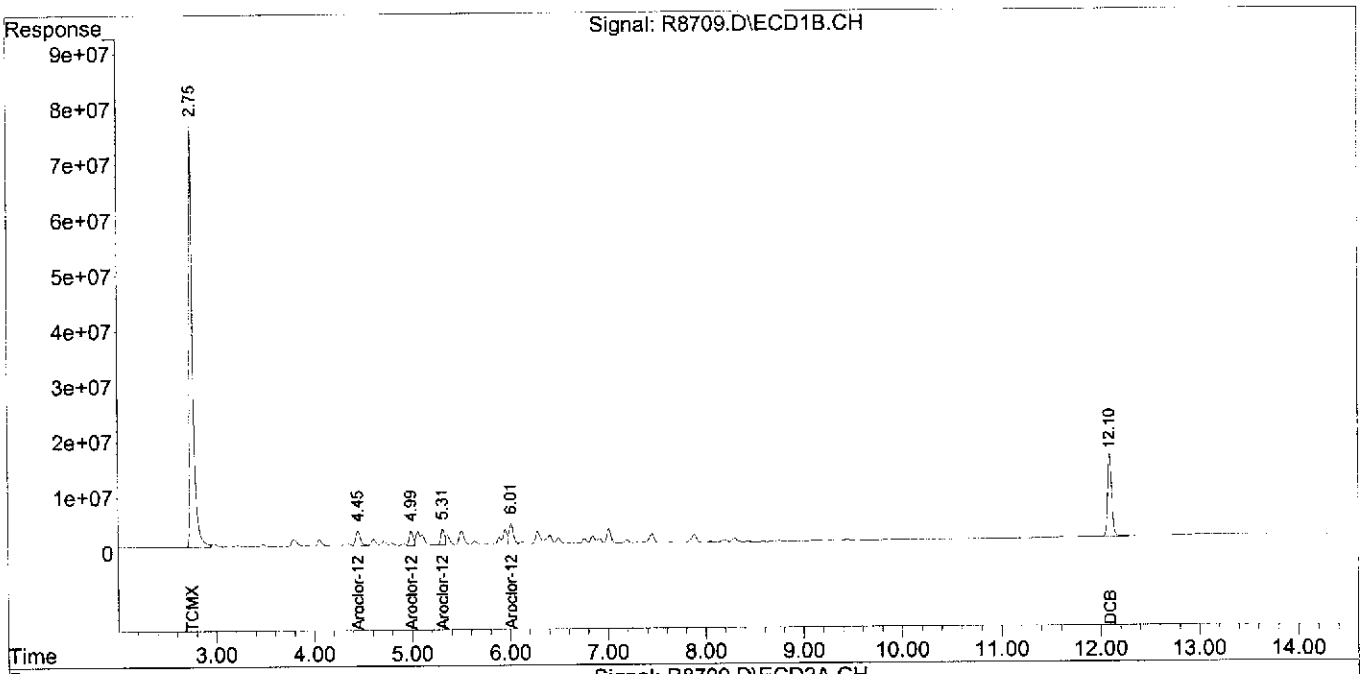
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

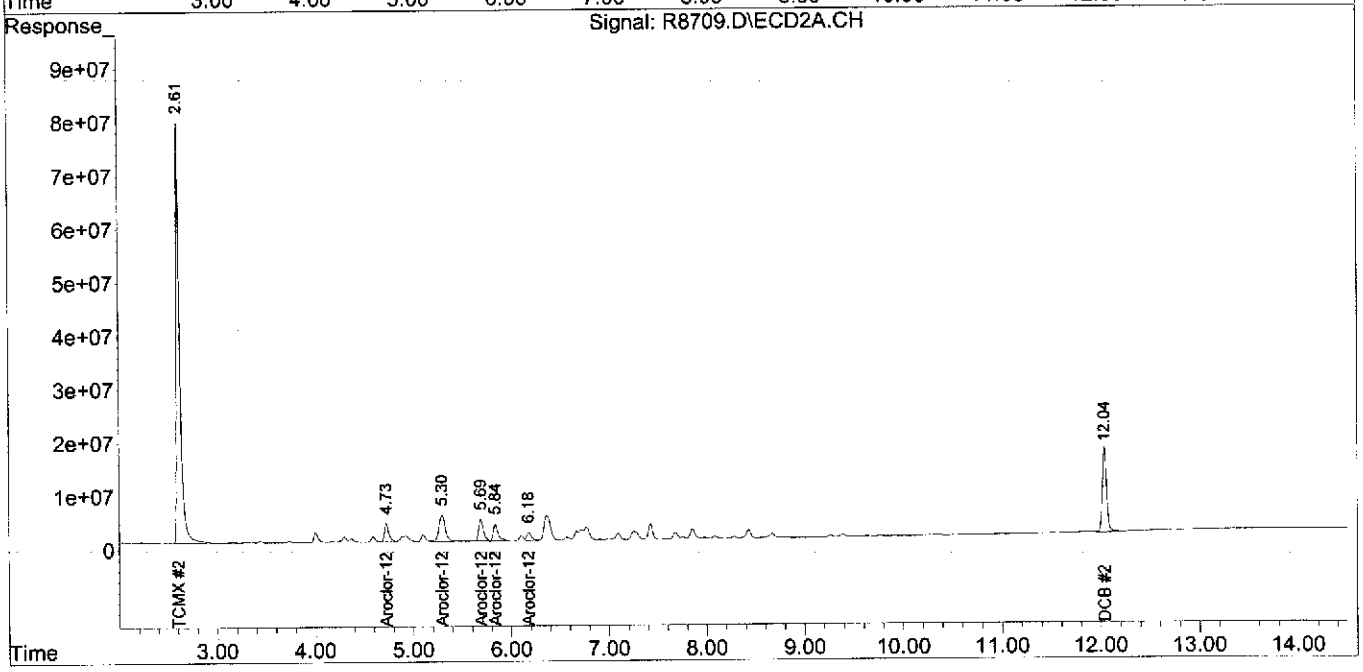
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8709.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 21:46
Operator : JS
Sample : Q-16W(0-2.,03191-038,S,5.39g,15.3,04/11/13,4
Misc : 130411-14,04/09/13,04/09/13,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 18:19:31 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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\04-12-13\
Data File : R8710.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 22:03
Operator : JS
Sample : Q-16W(2.0-,03191-039,S,5.06g,29.3,04/11/13,4
Misc : 130411-14,04/09/13,04/09/13,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 18:20:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.61	1839.1E6	1955.5E6	155.147	168.194	
Spiked Amount 200.000			Recovery	=	77.57%	84.10%	
2) S DCB	12.10	12.04	478.5E6	526.7E6	153.037	171.427	
Spiked Amount 200.000			Recovery	=	76.52%	85.71%	
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	4.73	481.4E6	505.4E6	1141.189	1240.640	
24) L6 Aroclor-1248 {2}	4.99	5.30	292.6E6	972.4E6	1133.147	1545.361	#
25) L6 Aroclor-1248 {3}	5.31	5.69	195.7E6	403.7E6	578.345	892.342	#
26) L6 Aroclor-1248 {4}	6.01	5.84	240.5E6	339.3E6	510.544	882.554	#
27) L6 Aroclor-1248 {5}	0.00	6.18	0	108.7E6	N.D. d	488.852	#
Sum Aroclor-1248			1210.2E6	2329.5E6	3363.225	5049.748	
Average Aroclor-1248					840.806	1009.950	
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	

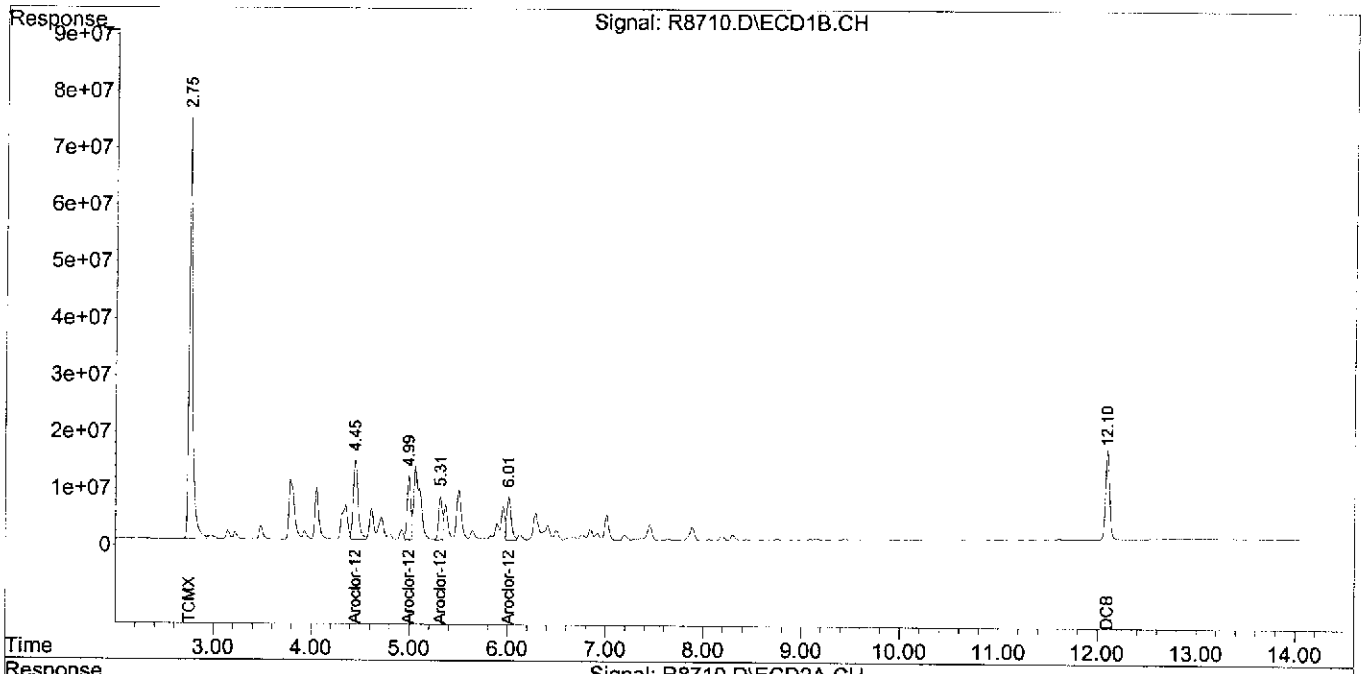
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

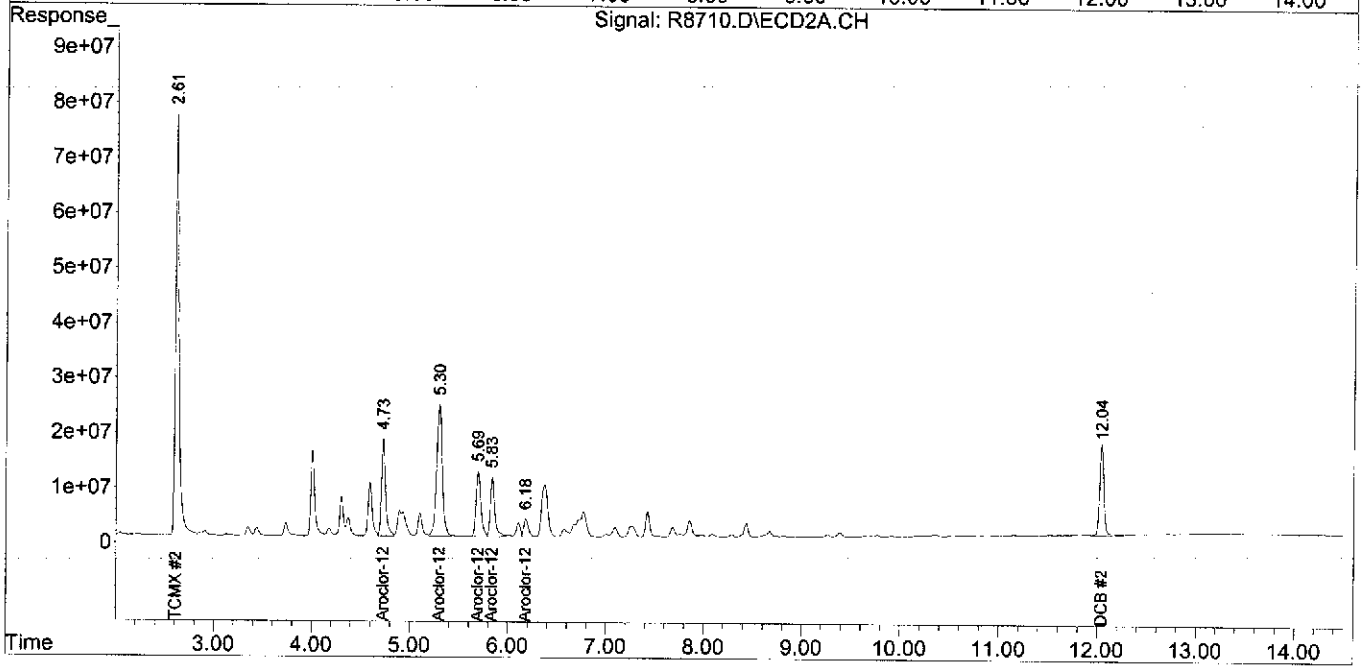
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8710.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 22:03
Operator : JS
Sample : Q-16W(2.0-,03191-039,S,5.06g,29.3,04/11/13,4
Misc : 130411-14,04/09/13,04/09/13,1
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 18:20:12 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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 :





RPCB0318.M Tue Apr 16 09:47:34 2013

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8686.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 13:14
Operator : JS
Sample : FB-66,03191-040,A,1000ml,100,04/10/13,1
Misc : 130410-06,04/09/13,04/09/13,1
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 16:41:40 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.75	2.61	1523.6E6	1598.3E6	128.528	137.471
Spiked Amount 200.000			Recovery	=	64.26%	68.74%
2) S DCB	12.10	12.04	457.3E6	538.8E6	146.251	175.369
Spiked Amount 200.000			Recovery	=	73.13%	87.68%
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

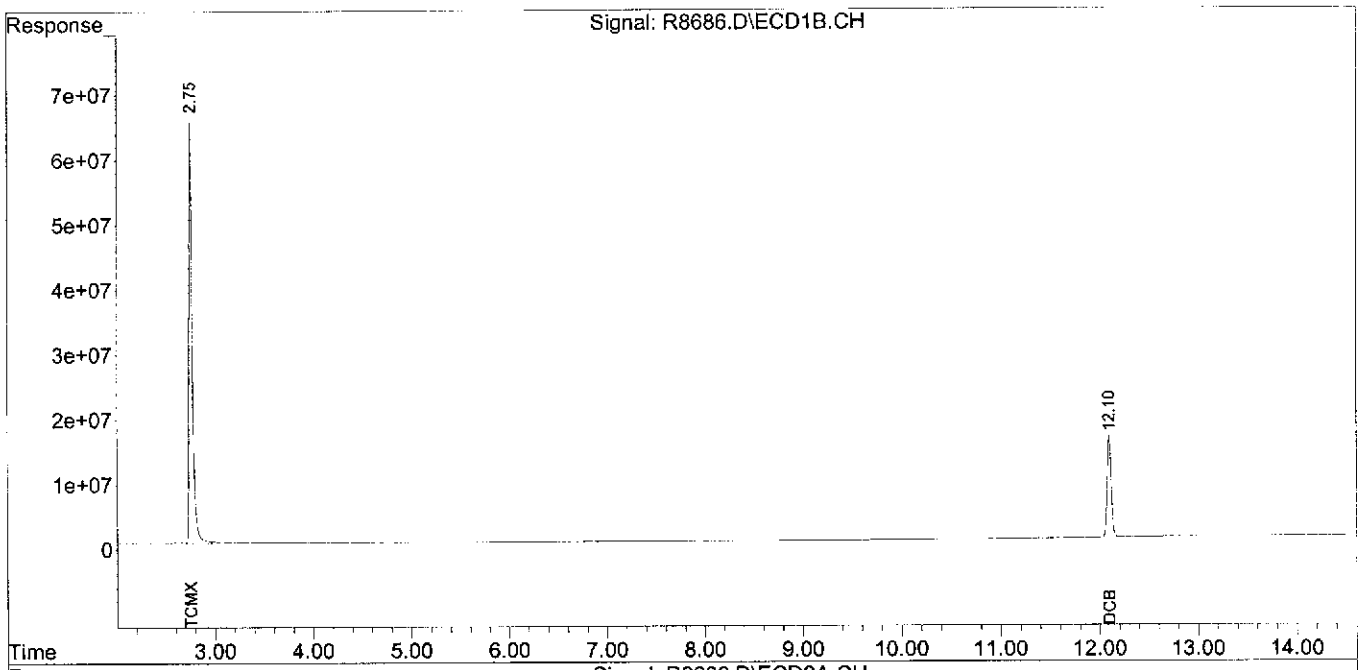
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

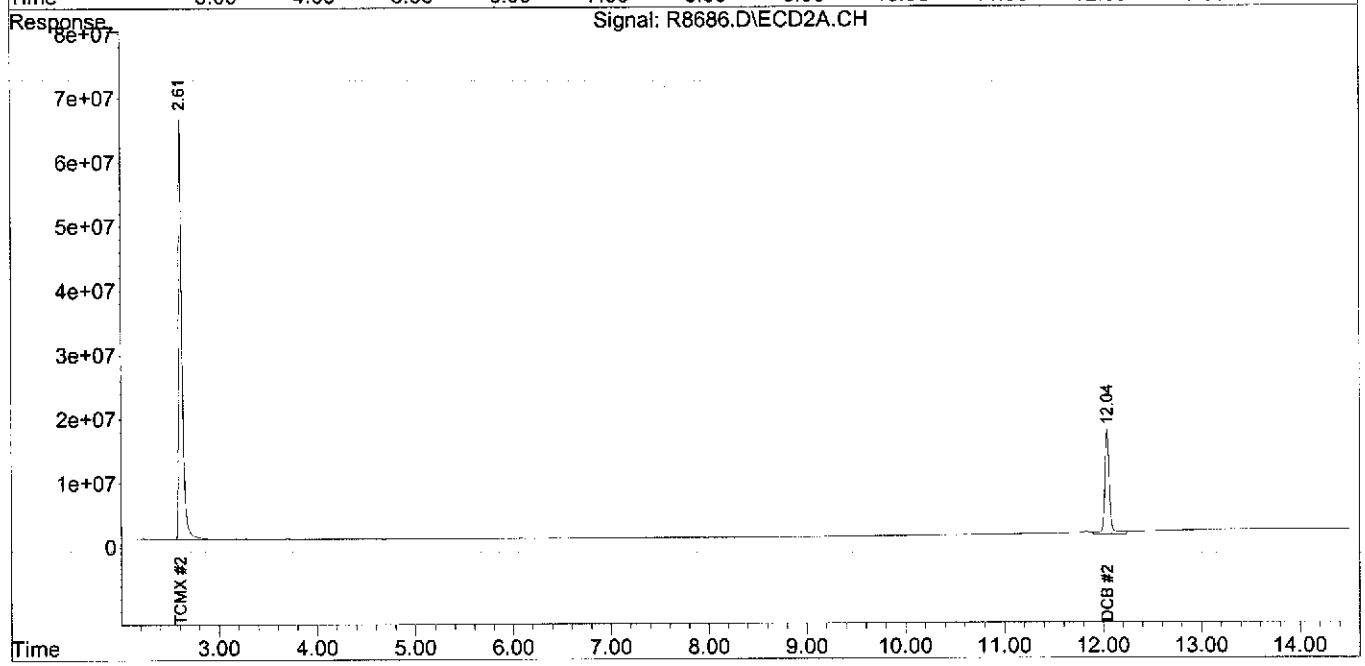
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8686.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 13:14
Operator : JS
Sample : FB-66,03191-040,A,1000ml,100,04/10/13,1
Misc : 130410-06,04/09/13,04/09/13,1
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 16:41:40 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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: BLKS130328-13
Client ID: PCB
Date Received: NA
Date Extracted: 03/28/2013
Date Analyzed: 03/29/2013
Data file: Y6832.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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS130411-14
Client ID: PCB
Date Received: NA
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: R8705.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\04-12-13\
Data File : R8705.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 20:36
Operator : JS
Sample : PCB,BLKS130411-14,S,5.00g,0,04/11/13,4
Misc : NA,NA,NA,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 18:15:22 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.75	2.61	1805.9E6	1916.9E6	152.347	164.869
Spiked Amount 200.000			Recovery	=	76.17%	82.43%
2) S DCB	12.10	12.04	454.2E6	491.3E6	145.284	159.907
Spiked Amount 200.000			Recovery	=	72.64%	79.95%
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

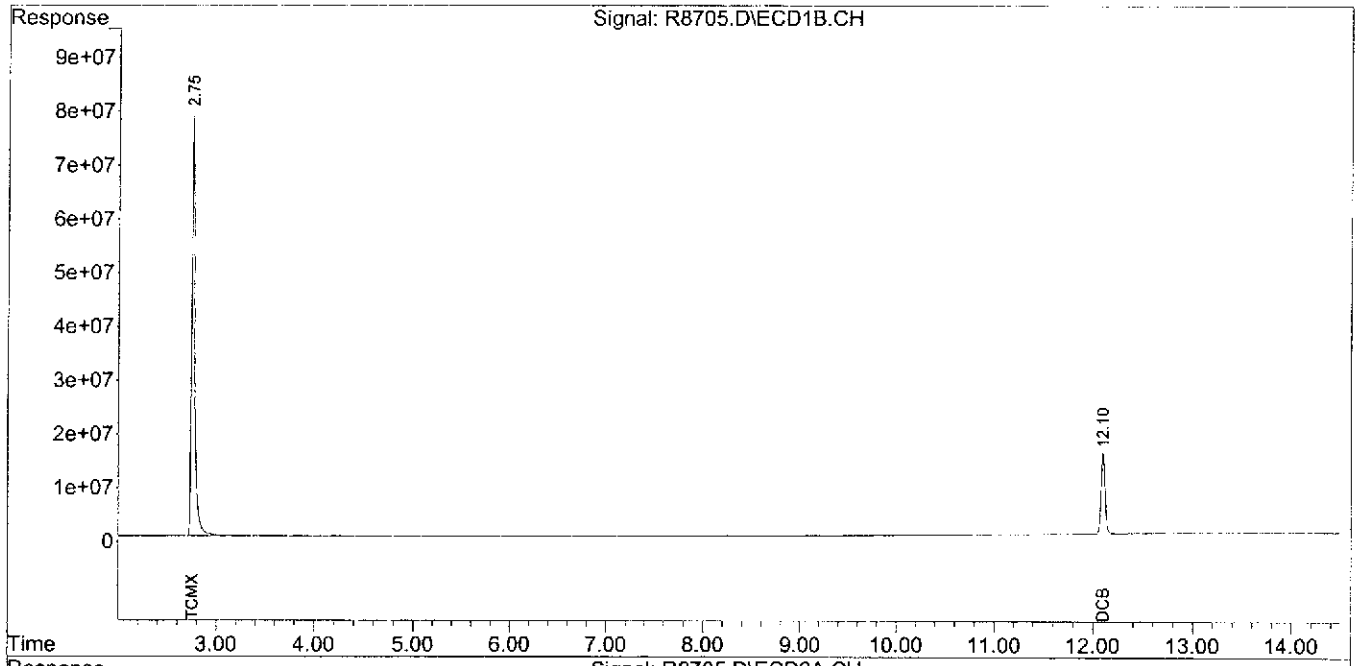
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

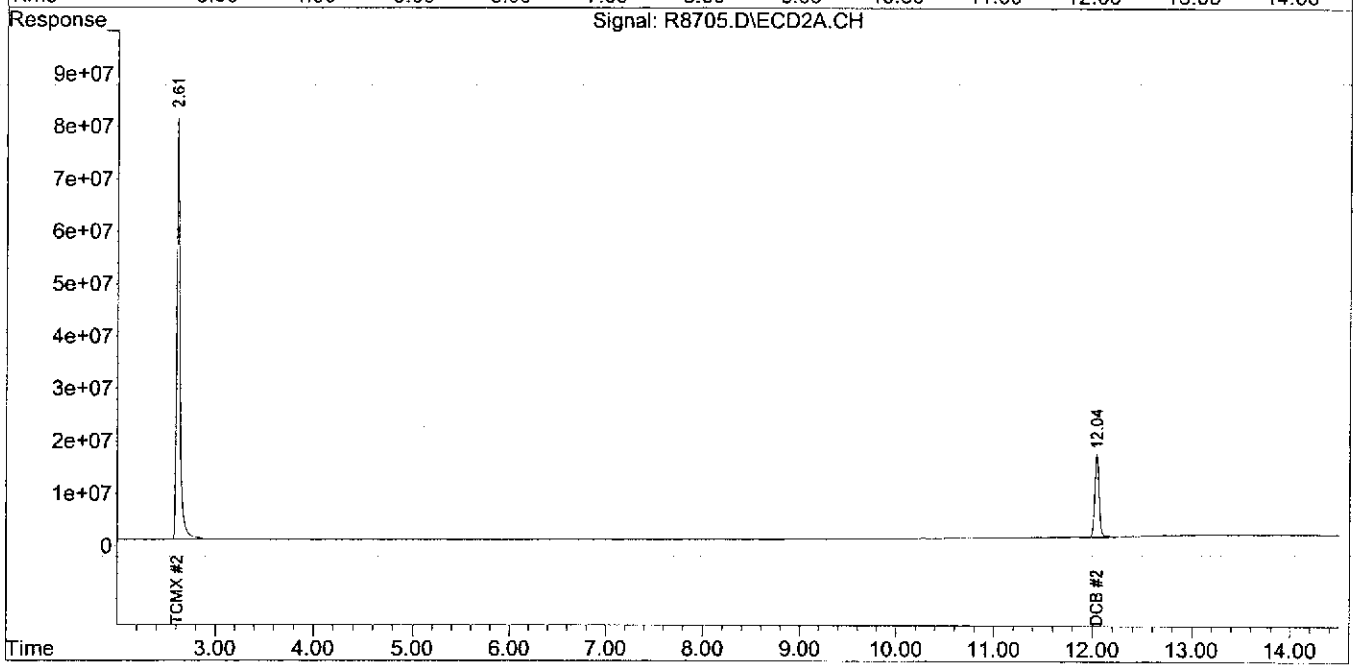
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8705.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 20:36
Operator : JS
Sample : PCB,BLKS130411-14,S,5.00g,0,04/11/13,4
Misc : NA,NA,NA,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 18:15:22 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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: BLKS130411-04
Client ID: PCB
Date Received: NA
Date Extracted: 04/11/2013
Date Analyzed: 04/11/2013
Data file: Y7144.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

E13-03191 0218

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS130411-04
Client ID: PCB
Date Received: NA
Date Extracted: 04/11/2013
Date Analyzed: 04/12/2013
Data file: Y7210.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

E13-03191 0219

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : Y7144.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 20:54
Operator : NG
Sample : PCB,BLKS130411-04,S,5.00g,0,04/11/13,4
Misc : NA,NA,NA,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 12:23:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0321.M
Quant Title :
QLast Update : Fri Apr 05 14:27:37 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	2.79	2.87	16189.9E6	5307.1E6	137.720	148.550
Spiked Amount 200.000			Recovery	=	68.86%	74.28%
2) S DCB	12.07	12.41	5040.5E6	1314.4E6	139.694	131.325
Spiked Amount 200.000			Recovery	=	69.85%	65.66%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Aroclor-1262			0	0	N.D.	N.D.
Average Aroclor-1262					0.000	0.000
Sum Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

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

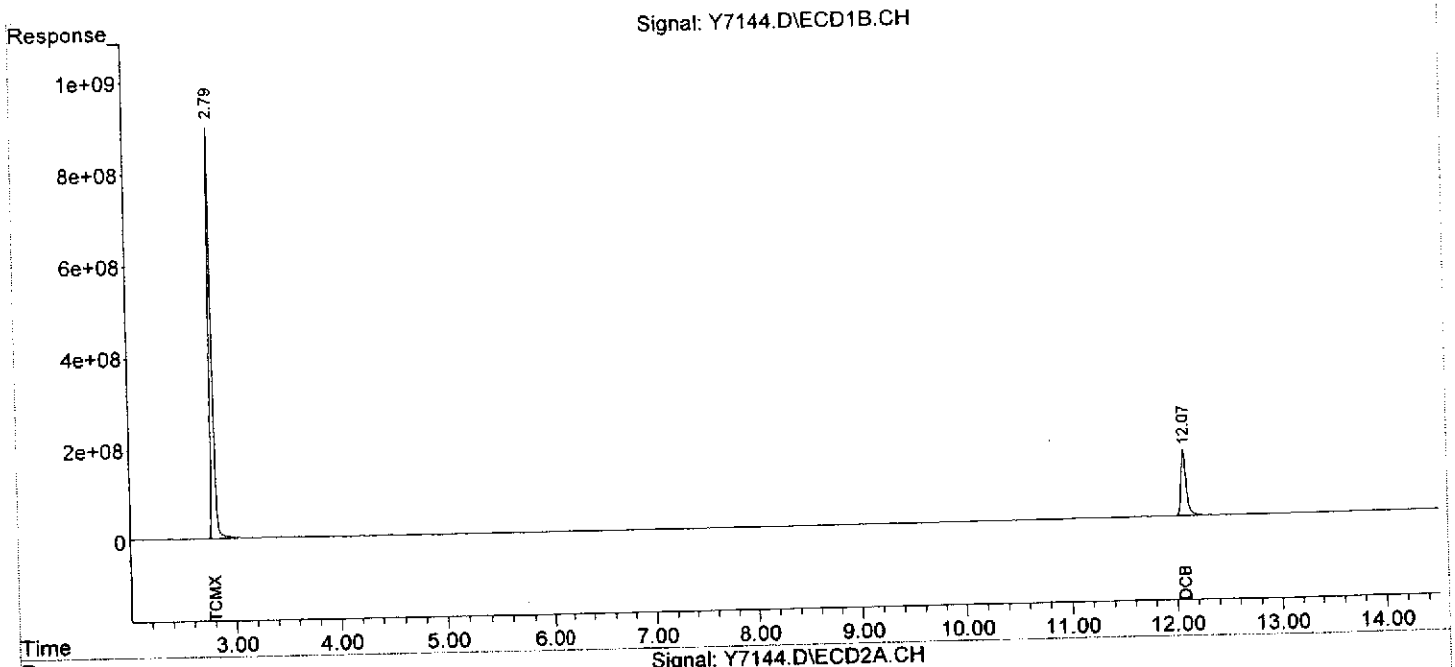
Quantitation Report (QT Reviewed)

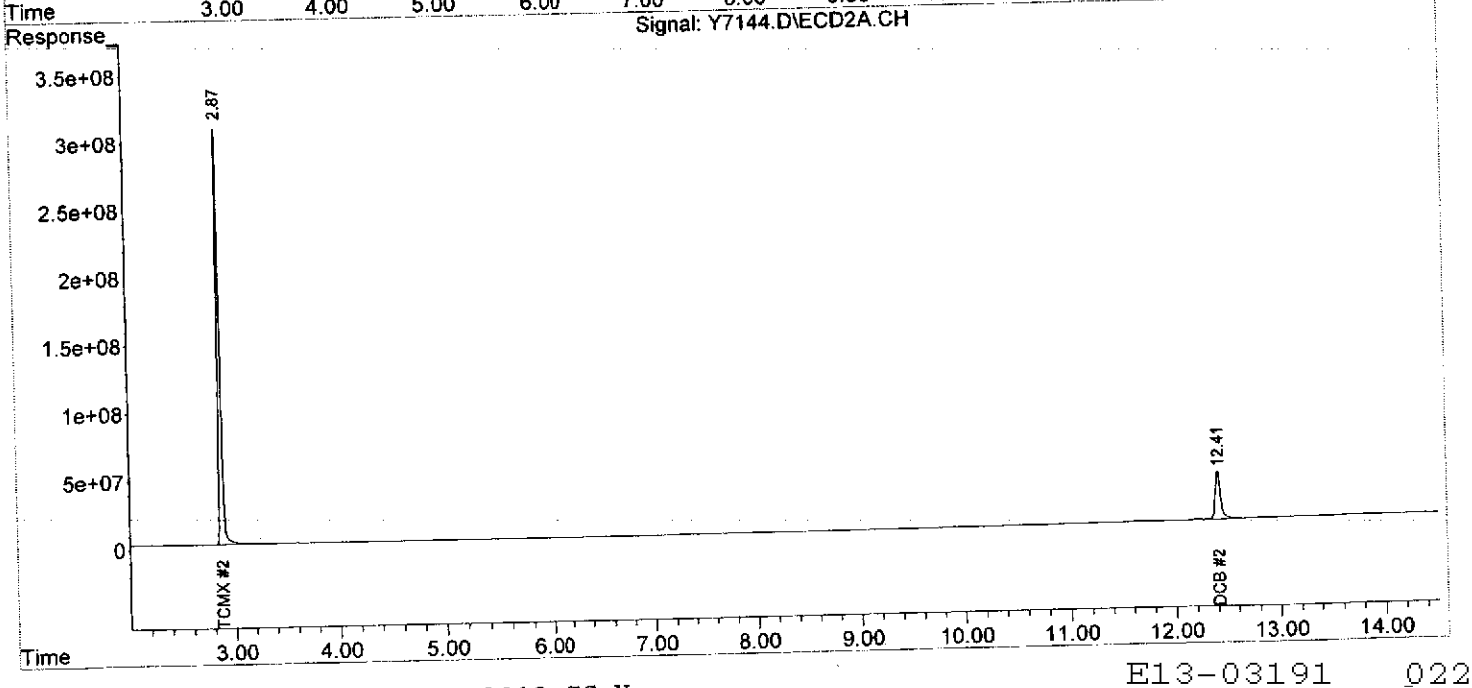
Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : Y7144.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 20:54
Operator : NG
Sample : PCB,BLKS130411-04,S,5.00g,0,04/11/13,4
Misc : NA,NA,NA,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 12:23:44 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0321.M
Quant Title :
QLast Update : Fri Apr 05 14:27:37 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 :





YPCB0321.M Fri Apr 12 16:53:23 2013 GC_Y

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : Y7210.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 22:01
Operator : NG
Sample : PCB,BLKS130411-04,S,5.00g,0,04/11/13,4
Misc : NA,NA,NA,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 10:21:35 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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	2.79	2.87	14919.8E6	5766.2E6	153.028	138.843
Spiked Amount 200.000			Recovery	=	76.51%	69.42%
2) S DCB	12.07	12.40	5925.4E6	1811.9E6	169.828	184.642
Spiked Amount 200.000			Recovery	=	84.91%	92.32%
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.

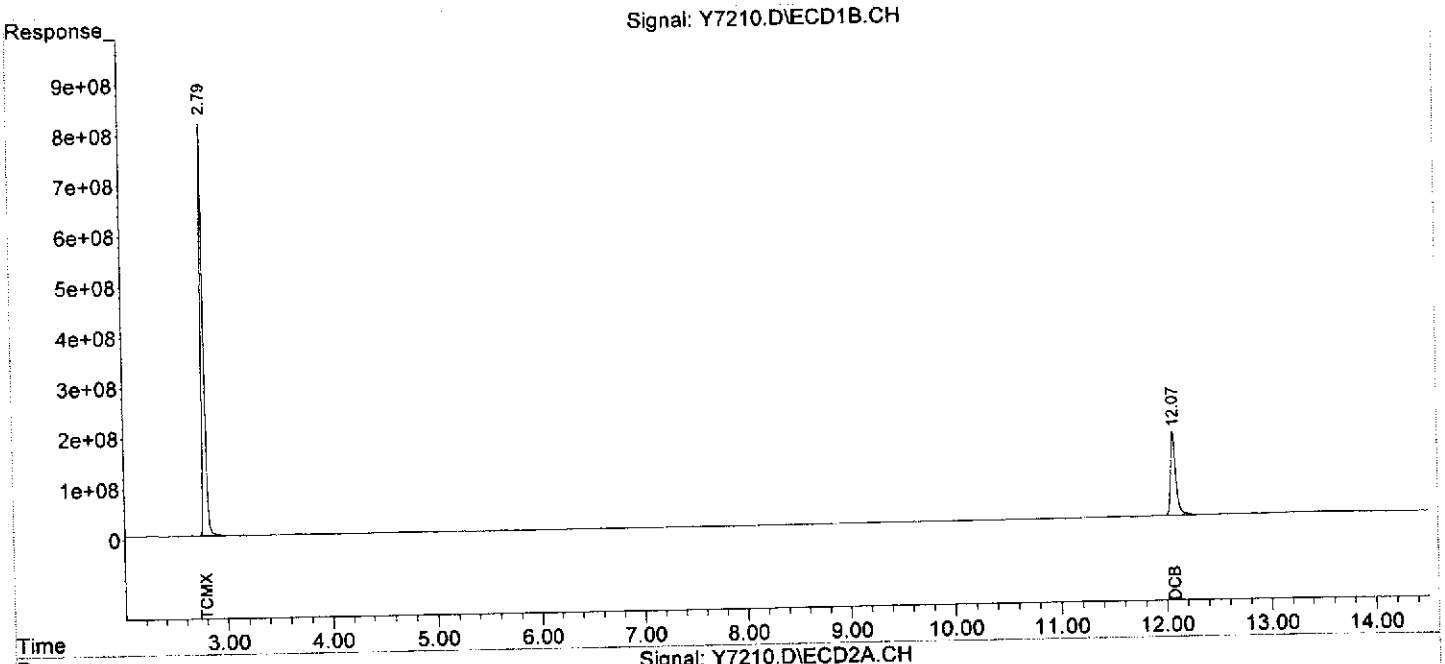
Quantitation Report (QT Reviewed)

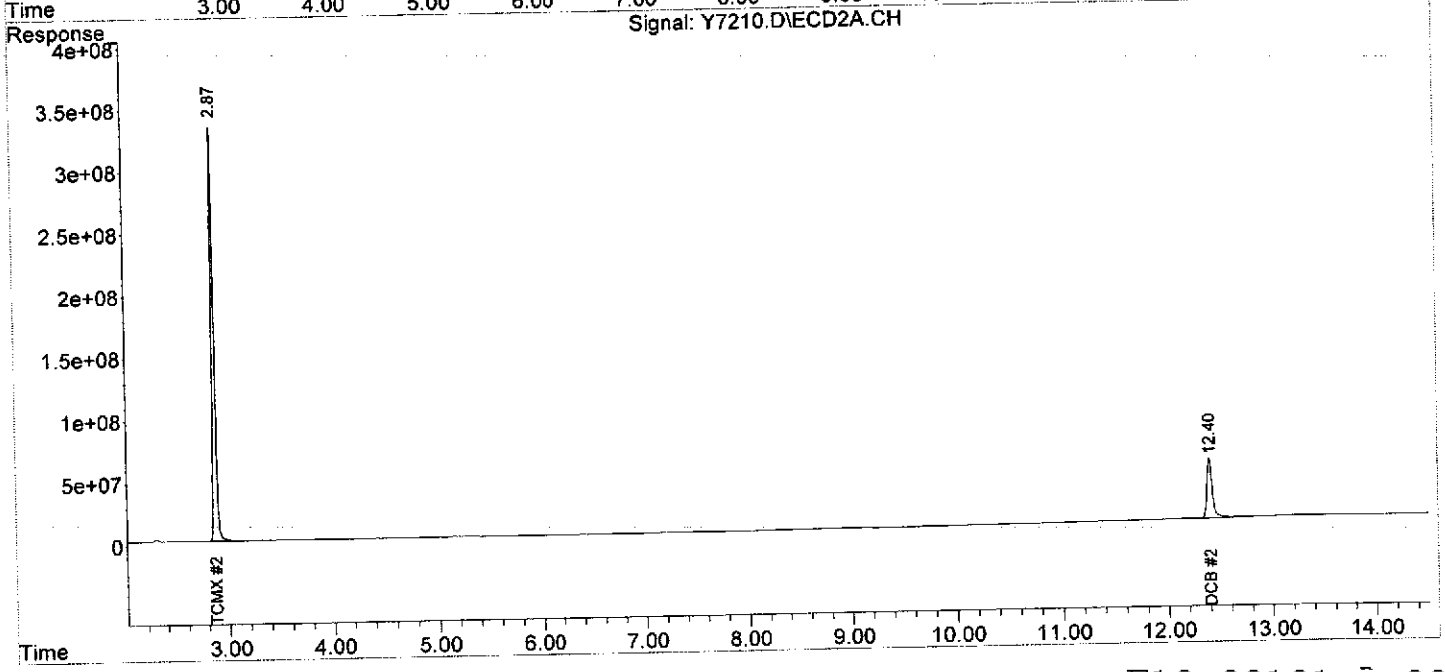
Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : Y7210.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 22:01
Operator : NG
Sample : PCB,BLKS130411-04,S,5.00g,0,04/11/13,4
Misc : NA,NA,NA,1
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 15 10:21:35 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Mon Apr 15 10:17:39 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: BLKA130410-06
Client ID: PCB
Date Received: NA
Date Extracted: 04/10/2013
Date Analyzed: 04/12/2013
Data file: R8681.D

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

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

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8681.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 11:47
Operator : JS
Sample : PCB,BLKA130410-06,A,1000ml,100,04/10/13,1
Misc : NA,NA,NA,1
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 16:37:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	1751.8E6	1829.3E6	147.784	157.333
Spiked Amount 200.000			Recovery	=	73.89%	78.67%
2) S DCB	12.10	12.04	506.4E6	586.2E6	161.966	190.784
Spiked Amount 200.000			Recovery	=	80.98%	95.39%
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

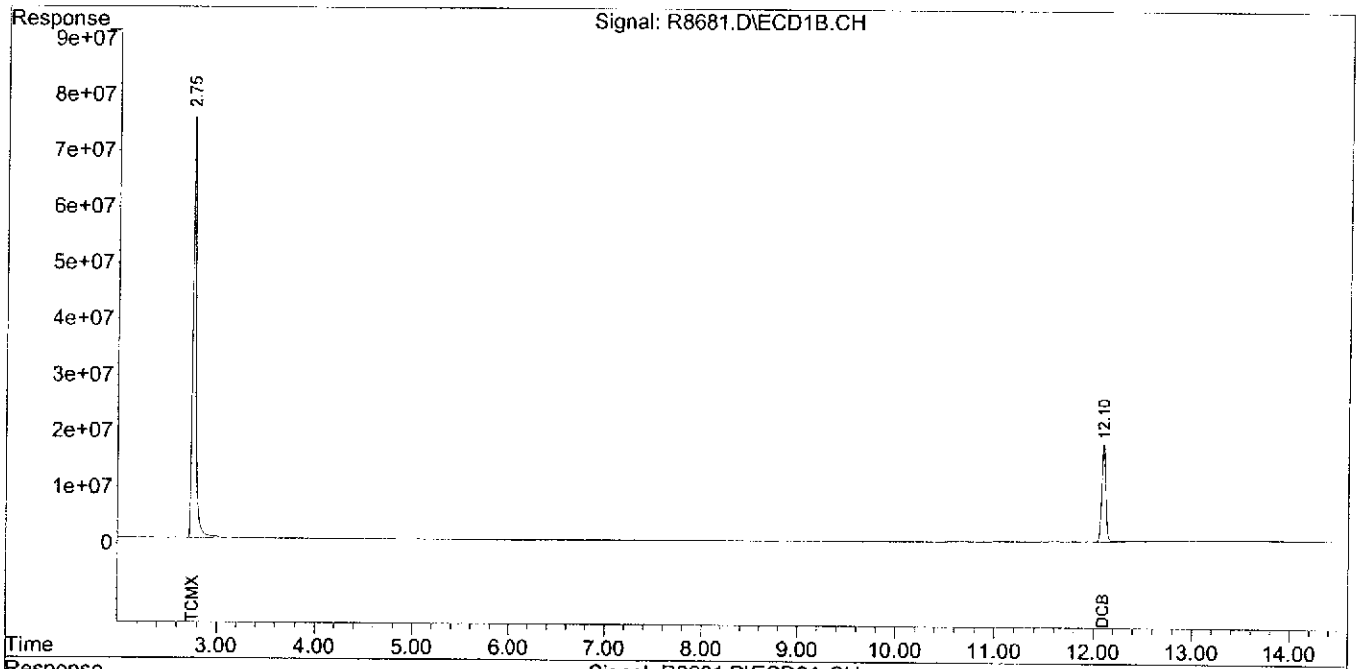
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

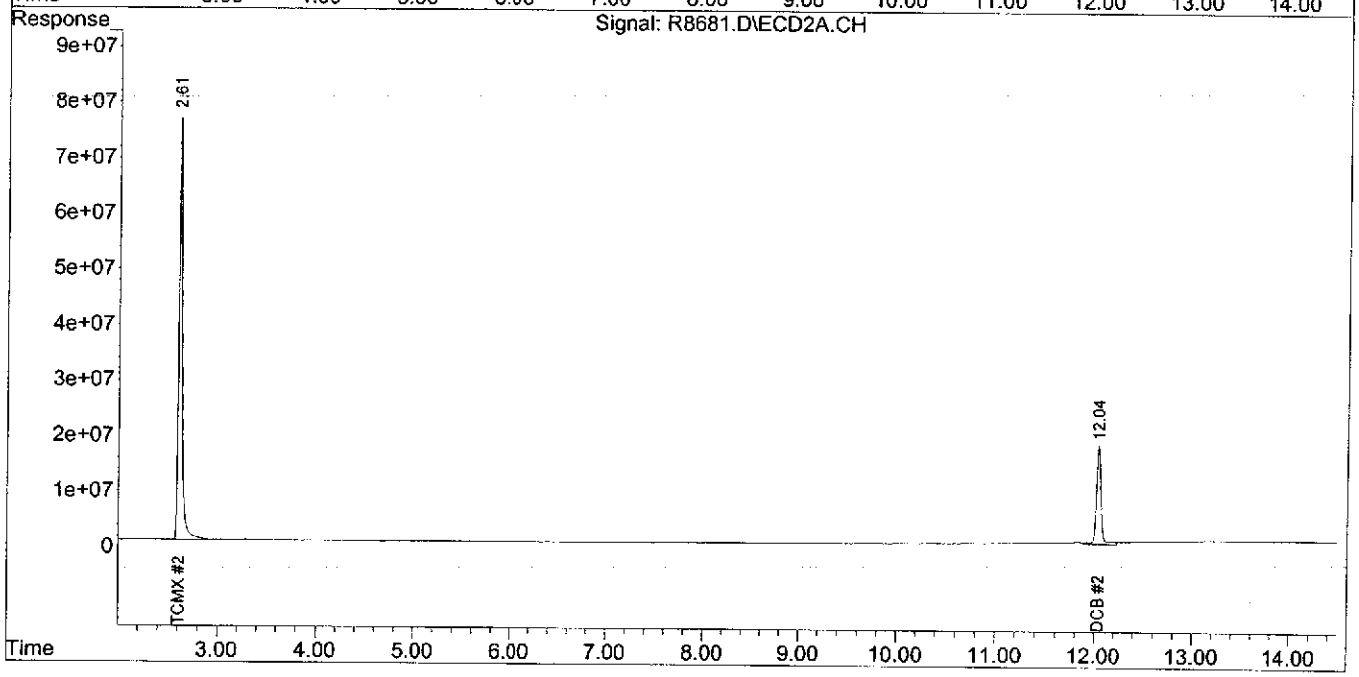
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8681.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 11:47
Operator : JS
Sample : PCB,BLKA130410-06,A,1000ml,100,04/10/13,1
Misc : NA,NA,NA,1
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 16:37:25 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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 :





RPCB0318.M Mon Apr 15 18:01:25 2013

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS130410-05
Client ID: PCB
Date Received: NA
Date Extracted: 04/10/2013
Date Analyzed: 04/11/2013
Data file: R8619.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

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Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : R8619.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 15:11
Operator : JS
Sample : PCB,BLKS130410-05,S,5.00g,0,04/10/13,4
Misc : NA,NA,NA,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 10:39:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.75	2.61	1879.4E6	1976.1E6	158.545	169.965
Spiked Amount 200.000			Recovery	=	79.27%	84.98%
2) S DCB	12.10	12.04	484.3E6	494.7E6	154.890	160.990
Spiked Amount 200.000			Recovery	=	77.44%	80.50%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
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.

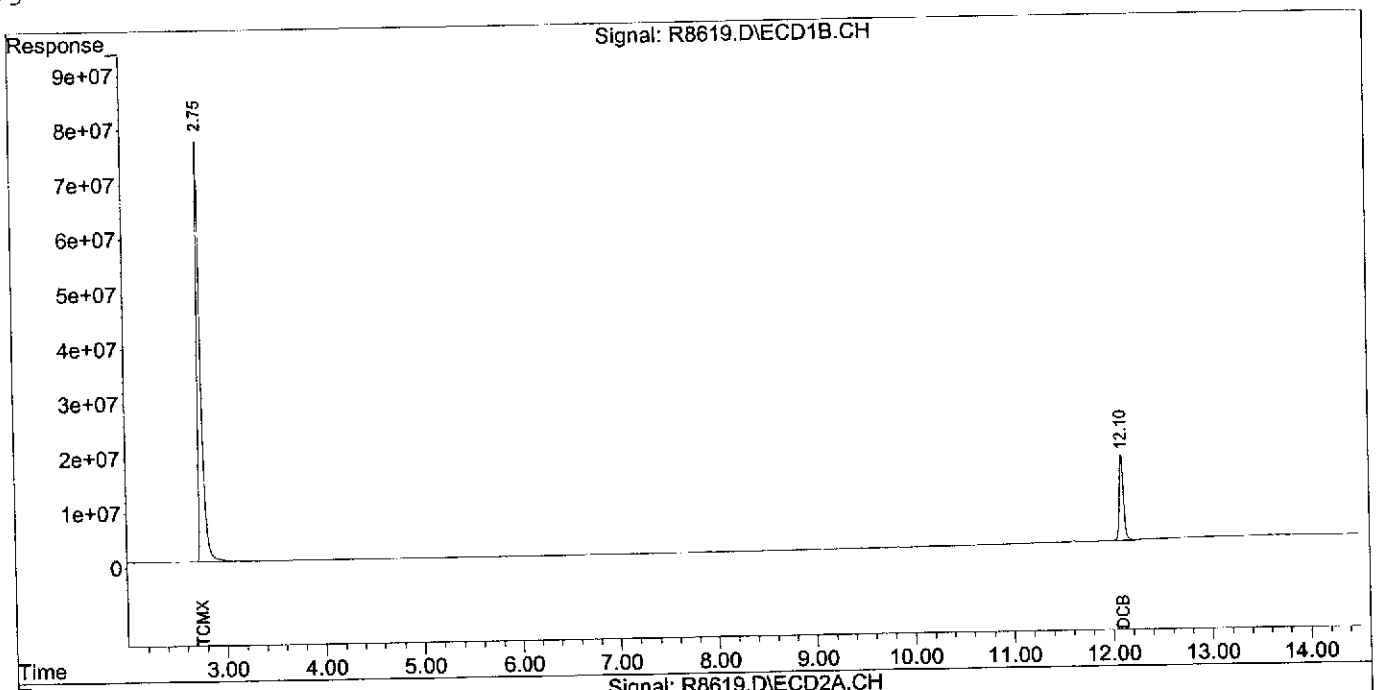
Quantitation Report (QT Reviewed)

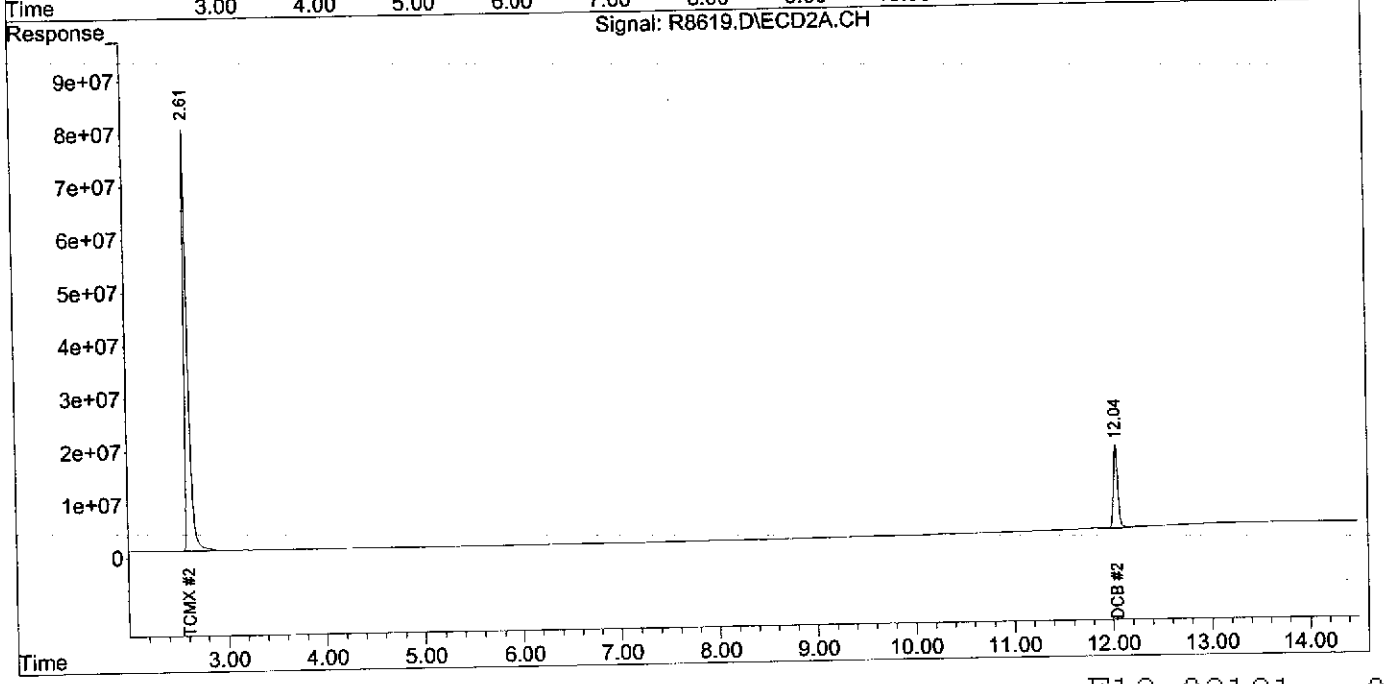
Data Path : C:\MSDCHEM\1\DATA\04-11-13\
Data File : R8619.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 11 Apr 2013 15:11
Operator : JS
Sample : PCB,BLKS130410-05,S,5.00g,0,04/10/13,4
Misc : NA,NA,NA,1
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 10:39:43 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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: BLKS130410-04
Client ID: PCB
Date Received: NA
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8714.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\04-12-13\
Data File : R8714.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 00:23
Operator : JS
Sample : PCB,BLKS130410-04,S,5.00g,0,04/10/13,4
Misc : NA,NA,NA,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 14:52:57 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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	2.61	1808.6E6	1913.4E6	152.575	164.573
Spiked Amount 200.000			Recovery	=	76.29%	82.29%
2) S DCB	12.10	12.04	473.7E6	490.2E6	151.507	159.520
Spiked Amount 200.000			Recovery	=	75.75%	79.76%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
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

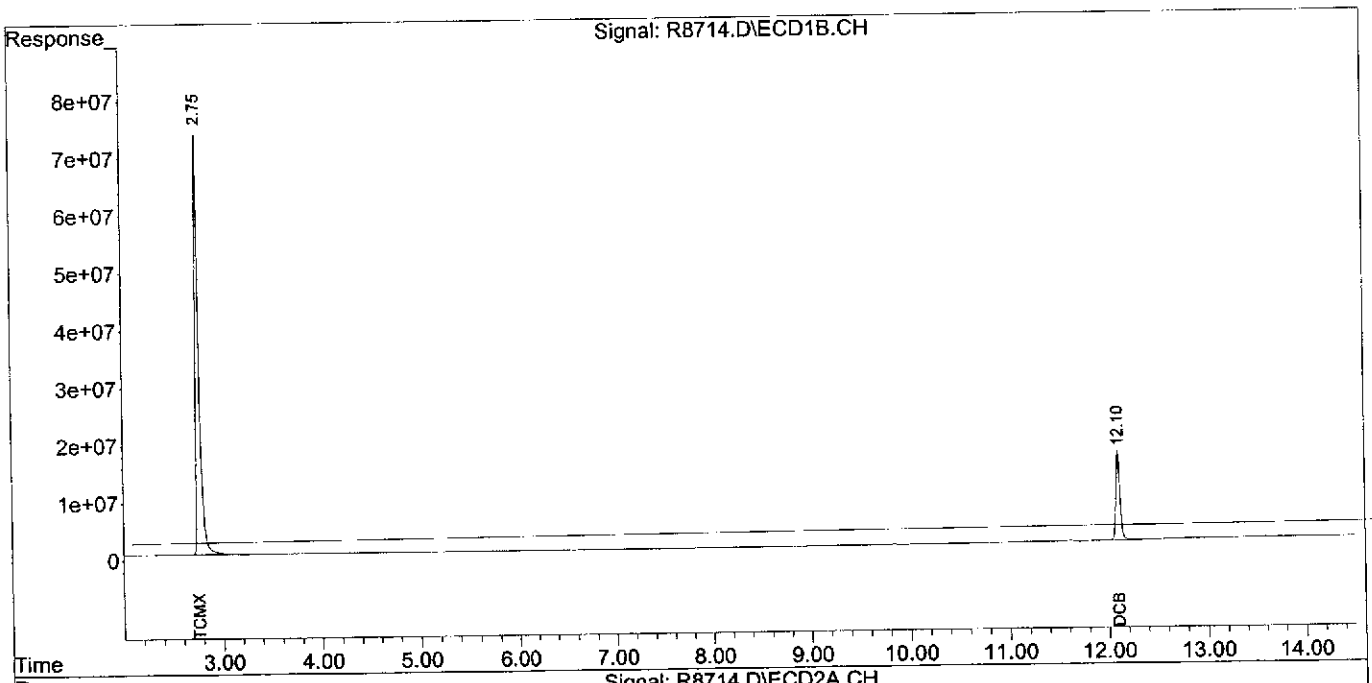
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

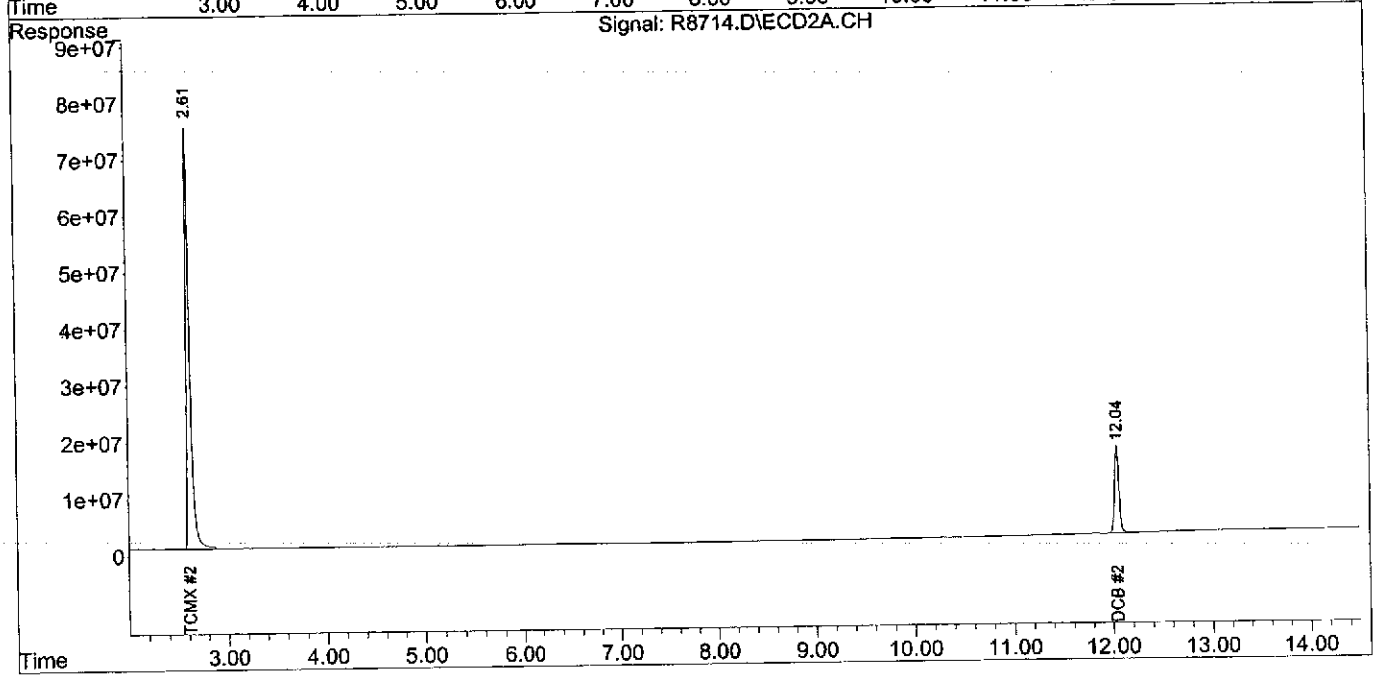
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8714.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 00:23
Operator : JS
Sample : PCB,BLKS130410-04,S,5.00g,0,04/10/13,4
Misc : NA,NA,NA,1
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 14:52:57 2013
Quant Method : C:\MSDCHEM\1\METHODS\RPCB0318.M
Quant Title :
QLast Update : Thu Apr 11 11:30:50 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 :





SAMPLE TRACKING

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

ANALYTICAL PARAMETERS: TCL PCB (8082)

BOTTLES & PRESERVATIVES: HCL, HNO3, MeOH, H2SO4, NAOH/ZNAc, Sterile

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
R-13S (0-2.0)		4/9/13	8:52	S	1	1	X						
R-13S (2.0-4.0)			8:53	S	1	2	X						
T-8N (0-2.0)			9:15	S	1	3	X						
T-8W (0-2.0)			9:27	S	1	4	X						
T-8S (0-2.0)			9:40	S	1	5	X						
T-8E 0-2.0)			9:52	S	1	6	X						
R-16N (0-2.0)			10:10	S	1	7	X						
R-16E (0-2.0)			10:22	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)

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

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

Signature/Company	Date	Time	Signature/Company	Date	Time
Relinquished by:	4/9/13	1555	Received by:	4/9/13	1535
Relinquished by:	4/9/13	1717	Received by:	4/9/13	1717
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 03191

PAGE: 1 of 1

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Integrated Analytical Laboratories, LLC
Integrated Analytical Labs
273 Franklin Rd
Randolph, NJ 07869
Contact Us: 973 361-4252
fax: 973 989-5288
Web: www.ialonline.com

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

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp ___<4___ °C 4

Sample Matrix

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS — # BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
R-17N (0-2.0)		4/9/13	10:47	S	1	9	X						
R-17N (2.0-4.0)			10:48	S	1	10	X						
R-17N (4.0-6.0)			10:49	S	1	11	X						
R-17E (2.0-4.0)			11:14	S	1	12	X						
R-17E (4.0-6.0)			11:15	S	1	13	X						
R-17S (2.0-4.0)			11:38	S	1	14	X						
R-17S (4.0-6.0)			11:39	S	1	15	X						
R-18E (0-2.0)			12:05	S	1	16	X						

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

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

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

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

	Signature/Company	Date	Time		Signature/Company	Date	Time
Relinquished by:		4/9/13	1535	Received by:		4/9/13	1535
Relinquished by:		4/9/13	1717	Received by:		4/9/13	1717
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

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

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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**

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

Cooler Temp <4 4 °C

Sample Matrix

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

Client ID	Depth (ft only)	Sampling Date	Sampling Time	Matrix	# containers	IAL #	TCL PCB (8082)	HCL	HNO3	MeOH	H2SO4	NAOH/ZNAc	Sterile
R-18 E (4.0-6.0)		4/9/13	12:06	S	1	17	X						
R-18 S (0-2.0)		↓	12:23	S	1	18	X						
R-18 S (4.0-6.0)			12:24	S	1	19	X						
Q-18 E (0-2.0)			12:45	S	1	20	X						
Q-18 E (4.0-5.0)			12:46	S	1	21	X						
Q-18 E (5.0-6.0)			12:47	S	1	22	X						
Q-18 E (2.0-4.0)			12:48	S	1	23	X						
Q-18 S (0-2.0)		✓	1:27	S	1	24	X						

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

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

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Relinquished by:	4/9/13	1535	Received by:	4/9/13	1535
Relinquished by:	4/9/13	1717	Received by:	4/9/13	1717
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

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Lab Case # 03191

PAGE: 3 of 5

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

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

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

Cooler Temp ___<4___°C 4

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-18S (2.0-4.0)		4/9/13	1:28	S	1	25	x						
Q-18W (0-2.0)			1:50	S	1	26	x						
Q-18W (2.0-4.0)			1:51	S	1	27	x						
Q-18W (4.0-6.0)			1:52	S	1	28	x						
Q-17S (4.0-5.0)			2:11	S	1	29	x						
Q-17S (5.0-6.0)			2:12	S	1	30	x						
Q-17E (0-2.0)			2:28	S	1	31	x						
Q-17E (4.0-5.0)			2:29	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:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 03191

PAGE: 4 of 5

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Cooler Temp <4 4 °C

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

SAMPLE INFORMATION

ANALYTICAL PARAMETERS

BOTTLES & PRESERVATIVES

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Q-17E (5.0-6.0)		4/9/13	2:30	S	1	33	x						
Q-17N (0-2.0)			2:50	S	1	34	x						
Q-17N (2.0-4.0)			2:51	S	1	35	x						
Q-17N (4.0-5.0)			2:52	S	1	36	x						
Q-17N (5.0-6.0)			2:53	S	1	37	x						
Q-16W (0-2.0)			3:05	S	1	38	x						
Q-16W (2.0-4.0)			3:06	S	1	39	x						
FB-66			3:14	AQ	2	40	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:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 03191

PAGE: 5 of 5

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PROJECT INFORMATION

E13-03191

Case No. E13-03191 **Project** ARSYNCO

Customer JMC Environmental Consultants

Contact Jim Clabby

EMail jclabby@jmcenvironmental.com; ahallgreen@jmcenvironmental.com; tadams@jmcenvironmental.com; ...osch@jmcenvironmental.com ☑ EMail EDDs

Phone (732) 295-2144 **Fax** (732) 295-2150

Report To

2109 Bridge Avenue

Building B

Point Pleasant, NJ 08742

Attn: Jim Clabby

P.O. # 22126

Received 4/9/2013 17:17

Verbal Due 4/24/2013

Report Due 5/1/2013

Bill To

Aceto Corp.

4 Tri Harbor Court

Port Washington, NY 11050

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
03191-001	R-13S(0-2.0)	0 / 2.0	4/9/2013@08:52	Soil	mg/Kg	1
03191-002	R-13S(2.0-4.0)	2.0 / 4.0	4/9/2013@08:53	Soil	mg/Kg	1
03191-003	T-8N(0-2.0)	0 / 2.0	4/9/2013@09:15	Soil	mg/Kg	1
03191-004	T-8W(0-2.0)	0 / 2.0	4/9/2013@09:27	Soil	mg/Kg	1
03191-005	T-8S(0-2.0)	0 / 2.0	4/9/2013@09:40	Soil	mg/Kg	1
03191-006	T-8E(0-2.0)	0 / 2.0	4/9/2013@09:52	Soil	mg/Kg	1
03191-007	R-16N(0-2.0)	0 / 2.0	4/9/2013@10:10	Soil	mg/Kg	1
03191-008	R-16E(0-2.0)	0 / 2.0	4/9/2013@10:22	Soil	mg/Kg	1
03191-009	R-17N(0-2.0)	0 / 2.0	4/9/2013@10:47	Soil	mg/Kg	1
03191-010	R-17N(2.0-4.0)	2.0 / 4.0	4/9/2013@10:48	Soil	mg/Kg	1
03191-011	R-17N(4.0-6.0)	4.0 / 6.0	4/9/2013@10:49	Soil	mg/Kg	1
03191-012	R-17E(2.0-4.0)	2.0 / 4.0	4/9/2013@11:14	Soil	mg/Kg	1
03191-013	R-17E(4.0-6.0)	4.0 / 6.0	4/9/2013@11:15	Soil	mg/Kg	1
03191-014	R-17S(2.0-4.0)	2.0 / 4.0	4/9/2013@11:38	Soil	mg/Kg	1
03191-015	R-17S(4.0-6.0)	4.0 / 6.0	4/9/2013@11:39	Soil	mg/Kg	1
03191-016	R-18E(0-2.0)	0 / 2.0	4/9/2013@12:05	Soil	mg/Kg	1
03191-017	R-18E(4.0-6.0)	4.0 / 6.0	4/9/2013@12:06	Soil	mg/Kg	1
03191-018	R-18S(0-2.0)	0 / 2.0	4/9/2013@12:23	Soil	mg/Kg	1
03191-019	R-18S(4.0-6.0)	4.0 / 6.0	4/9/2013@12:24	Soil	mg/Kg	1
03191-020	Q-18E(0-2.0)	0 / 2.0	4/9/2013@12:45	Soil	mg/Kg	1
03191-021	Q-18E(4.0-5.0)	4.0 / 5.0	4/9/2013@12:46	Soil	mg/Kg	1
03191-022	Q-18E(5.0-6.0)	5.0 / 6.0	4/9/2013@12:47	Soil	mg/Kg	1
03191-023	Q-18E(2.0-4.0)	2.0 / 4.0	4/9/2013@12:48	Soil	mg/Kg	1
03191-024	Q-18S(0-2.0)	0 / 2.0	4/9/2013@13:27	Soil	mg/Kg	1
03191-025	Q-18S(2.0-4.0)	2.0 / 4.0	4/9/2013@13:28	Soil	mg/Kg	1
03191-026	Q-18W(0-2.0)	0 / 2.0	4/9/2013@13:50	Soil	mg/Kg	1
03191-027	Q-18W(2.0-4.0)	2.0 / 4.0	4/9/2013@13:51	Soil	mg/Kg	1
03191-028	Q-18W(4.0-6.0)	4.0 / 6.0	4/9/2013@13:52	Soil	mg/Kg	1
03191-029	Q-17S(4.0-5.0)	4.0 / 5.0	4/9/2013@14:11	Soil	mg/Kg	1

PROJECT INFORMATION

E13-03191

Case No. E13-03191 Project ARSYNCO

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
03191-030	Q-17S(5.0-6.0)	5.0 / 6.0	4/9/2013@14:12	Soil	mg/Kg	1
03191-031	Q-17E(0-2.0)	0 / 2.0	4/9/2013@14:28	Soil	mg/Kg	1
03191-032	Q-17E(4.0-5.0)	4.0 / 5.0	4/9/2013@14:29	Soil	mg/Kg	1
03191-033	Q-17E(5.0-6.0)	5.0 / 6.0	4/9/2013@14:30	Soil	mg/Kg	1
03191-034	Q-17N(0-2.0)	0 / 2.0	4/9/2013@14:50	Soil	mg/Kg	1
03191-035	Q-17N(2.0-4.0)	2.0 / 4.0	4/9/2013@14:51	Soil	mg/Kg	1
03191-036	Q-17N(4.0-5.0)	4.0 / 5.0	4/9/2013@14:52	Soil	mg/Kg	1
03191-037	Q-17N(5.0-6.0)	5.0 / 6.0	4/9/2013@14:53	Soil	mg/Kg	1
03191-038	Q-16W(0-2.0)	0 / 2.0	4/9/2013@15:05	Soil	mg/Kg	1
03191-039	Q-16W(2.0-4.0)	2.0 / 4.0	4/9/2013@15:06	Soil	mg/Kg	1
03191-040	FB-66	n/a	4/9/2013@15:14	Aqueous	mg/L	2

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

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PROJECT INFORMATION

E13-03191

Case No. E13-03191 **Project** ARSYNCO

Sample #	Tests	Status	QA Method
035	TCL PCB	Run	8082
036	TCL PCB	Run	8082
037	TCL PCB	Run	8082
038	TCL PCB	Run	8082
039	TCL PCB	Run	8082
040	TCL PCB	In Process	8082

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INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 13** **03191** CLIENT: JMC

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

COC: (COMPLETE) / INCOMPLETE

Comments

KEY

✓ **= YES/NA**
✗ **= NO**

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

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

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

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

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [illegible] DATE 4/9/13

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 ES DATE 4/10

Laboratory Custody Chronicle

IAL Case No. E13-03191

Client JMC Environmental Consultants

Project ARSYNCO

Received On 4/ 9/2013@17:17

Department: GC

			Prep. Date	Analyst	Analysis Date	Analyst
TCL PCB	03191-001	Soil	4/10/13	Archimede	4/13/13	Justyna
"	-002	"	4/10/13	Archimede	4/13/13	Justyna
"	-003	"	4/10/13	Archimede	4/13/13	Justyna
"	-004	"	4/10/13	Archimede	4/15/13	Justyna
"	-005	"	4/10/13	Archimede	4/15/13	Justyna
"	-006	"	4/10/13	Archimede	4/15/13	Justyna
"	-007	"	4/10/13	Archimede	4/16/13	Justyna
"	-008	"	4/10/13	Archimede	4/15/13	Justyna
"	-009	"	4/10/13	Archimede	4/15/13	Justyna
"	-010	"	4/10/13	Archimede	4/16/13	Justyna
"	-011	"	4/10/13	Archimede	4/16/13	Justyna
"	-012	"	4/10/13	Archimede	4/15/13	Justyna
"	-013	"	4/10/13	Archimede	4/13/13	Justyna
"	-014	"	4/10/13	Archimede	4/13/13	Justyna
"	-015	"	4/10/13	Archimede	4/13/13	Justyna
"	-016	"	4/10/13	Archimede	4/16/13	Justyna
"	-017	"	4/10/13	Archimede	4/13/13	Justyna
"	-018	"	4/10/13	Archimede	4/13/13	Justyna
"	-019	"	4/10/13	Archimede	4/13/13	Justyna
"	-020	"	4/10/13	Archimede	4/13/13	Justyna
"	-021	"	4/10/13	Archimede	4/11/13	Justyna
"	-022	"	4/10/13	Archimede	4/11/13	Justyna
"	-023	"	4/10/13	Archimede	4/11/13	Justyna
"	-024	"	4/10/13	Archimede	4/11/13	Justyna
"	-025	"	4/10/13	Archimede	4/11/13	Justyna
"	-026	"	4/10/13	Archimede	4/11/13	Justyna
"	-027	"	4/11/13	Archimede	4/12/13	Justyna
"	-028	"	4/11/13	Archimede	4/12/13	Justyna
"	-029	"	4/11/13	Archimede	4/15/13	Justyna
"	-030	"	4/11/13	Archimede	4/15/13	Justyna
"	-031	"	4/11/13	Archimede	4/15/13	Justyna
"	-032	"	4/11/13	Archimede	4/15/13	Justyna
"	-033	"	4/11/13	Archimede	4/15/13	Justyna
"	-034	"	4/11/13	Archimede	4/15/13	Justyna
"	-035	"	4/11/13	Archimede	4/12/13	Justyna
"	-036	"	4/11/13	Archimede	4/12/13	Justyna
"	-037	"	4/11/13	Archimede	4/12/13	Justyna
"	-038	"	4/11/13	Archimede	4/12/13	Justyna
"	-039	"	4/11/13	Archimede	4/12/13	Justyna
"	-040	Aqueous	4/10/13	Archimede	4/12/13	Justyna

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