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: **E13-03153**

These data have been reviewed and accepted by:

Michael H. Lefkin, Ph.D.
Laboratory Director

This report shall not be reproduced, except in its entirety, without the written consent of Integrated Analytical Laboratories, LLC. The test results included in this report relate only to the samples analyzed.

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

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. **E13-03153**

Client JMC Environmental Consultants

Project ARSYNCO

Received On 4/ 8/2013@16:45

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
03153-001	S-15S (0-2.0)	0/2	4/ 8/2013@08:40	Soil	1
03153-002	S-15W (0-2.0)	0/2	4/ 8/2013@08:52	Soil	1
03153-003	S-14S (2.0-4.0)	2/4	4/ 8/2013@09:05	Soil	1
03153-004	S-15E (0-2.0)	0/2	4/ 8/2013@09:18	Soil	1
03153-005	T-14W (2.0-4.0)	2/4	4/ 8/2013@09:38	Soil	1
03153-006	S-14W (0-2.0)	0/2	4/ 8/2013@09:55	Soil	1
03153-007	S-14W (2.0-4.0)	2/4	4/ 8/2013@09:56	Soil	1
03153-008	S-13S (4.0-6.0)	4/6	4/ 8/2013@10:12	Soil	1
03153-009	R-13E (4.0-6.0)	4/6	4/ 8/2013@10:30	Soil	1
03153-010	S-13E (0-2.0)	0/2	4/ 8/2013@11:08	Soil	1
03153-011	S-13E (2.0-4.0)	2/4	4/ 8/2013@11:09	Soil	1
03153-012	S-13E (4.0-6.0)	4/6	4/ 8/2013@11:10	Soil	1
03153-013	S-13N (4.0-6.0)	4/6	4/ 8/2013@11:25	Soil	1
03153-014	S-12E (0-2.0)	0/2	4/ 8/2013@11:40	Soil	1
03153-015	S-12E (2.0-4.0)	2/4	4/ 8/2013@11:41	Soil	1
03153-016	S-12N (0-2.0)	0/2	4/ 8/2013@12:02	Soil	1
03153-017	S-12N (2.0-4.0)	2/4	4/ 8/2013@12:03	Soil	1
03153-018	Z-16 (0-2.0)	0/2	4/ 8/2013@13:24	Soil	1
03153-019	R-11W (2.0-4.0)	2/4	4/ 8/2013@13:43	Soil	1
03153-020	R-11N (2.0-4.0)	2/4	4/ 8/2013@14:05	Soil	1
03153-021	R-11E (2.0-4.0)	2/4	4/ 8/2013@14:20	Soil	1
03153-022	R-12N (0-2.0)	0/2	4/ 8/2013@14:30	Soil	1
03153-023	R-13N (0-2.0)	0/2	4/ 8/2013@14:45	Soil	1
03153-024	R-13N (2.0-4.0)	2/4	4/ 8/2013@14:46	Soil	1
03153-025	R-13W (0-2.0)	0/2	4/ 8/2013@15:00	Soil	1
03153-026	R-13W (2.0-4.0)	2/4	4/ 8/2013@15:01	Soil	1
03153-027	FB-65	n/a	4/ 8/2013@15:10	Aqueous	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

	Page
Qualifiers	1
Conformance / NonConformance Summaries	2
Results Summary Report	7
Analytical Results	11
PCBs	
Methodology Summary *	
PCBs	39
PCBs QC Summary	40
Surrogate Percent Recovery Summary	
LCS, MS/MSD Recovery Summary	
Method Blank Summary	
Initial Calibration Summary	
Initial/Continuing Calibration Verification Summary	
Retention Time Shift Summary	
PCBs Sample Data	80
Sample Quant Report and Chromatogram	
Method Blank Results	
Method Blank Quant Report and Chromatogram	
Sample Tracking	145
Chains of Custody	
Project Information	
Sample Receipt Verification	
Laboratory Chronicle	
Last Page of the Report	153

This report was finalized on April 24, 2013

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

DEFINITIONS / QUALIFIERS

DATA QUALIFIERS

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

C Indicates analyte is a common laboratory contaminant.

D Indicated analyte was reported from diluted analysis.

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

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

REPORTING DEFINITIONS

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

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

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

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

DF Dilution Factor

LCS Laboratory Control Sample

LCSD Laboratory Control Sample Duplicate

MS Matrix Spike

MSD Matrix Spike Duplicate

DUP Duplicate

CONFORMANCE / NON-CONFORMANCE SUMMARIES

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous and twenty-six (26) soil sample(s) from JMC Environmental Consultants (IAL SDG # E13-03153, Project: ARSYNCO) on April 8, 2013 for the analysis of:

(27) 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	4/23/13 Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03153

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: 027
- The following samples were cleaned up using method 3665A: 027

E13-03153

- 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 03153-027.

Signature 4/15/2013 Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03153

PCB By 8082

Batch ID: 130410-03	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. DCB1 did not pass QC criteria due to matrix for samples: 022, 023. DCB2 failed for sample 018, 023. TCMX1 failed for sample
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The following samples were cleaned up using method 3660B to remove sulfur: 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026

E13-03153

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- Sample # 016 was run with 10x dilution; sample # 018 was run with 20x dilution; samples #022, 023 were run with 25x dil.; sample #025 was run with 400x dil. All dilution were dane due to high concentration of the target compound, and all of them did not pass NJ SRS criteria. The rest of the samples were run straight.

4/16/2013

Signature Date

SAMPLE DELIVERY GROUP CASE NARRATIVE

SDG#: E13-03153

PCB By 8082

Batch ID: 130409-10	**Matrix: Soil**

QC

- Calibration Curve met QC criteria.
- Surrogate Percent Recovery did not meet QC criteria. For samples 03153 -008, -010, -011, -014 surrogate percent recovery did not meet QC criteria due to matrix interference. For samples 03153 -005, -006 the surrogate was diluted out.
- Method Blank met QC criteria.
- LCS Percent Recovery met QC criteria.
- MS/MSD Percent Recovery met QC criteria.
- RPD between MS/MSD met QC criteria.
- The RPD between the primary and secondary column was >40% for the following samples: 03153 -001, -002, -005, -006, -007, -011, -013, -015. Per SW-846 8000C, the lower of the two concentrations was reported.
- The following samples were cleaned up using method 3660B to remove sulfur: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 014, 015

E13-03153

- All samples were extracted within holding time.
- All samples were analyzed within holding time.
- Retention Time Shift met QC criteria.
- Sample 03153 -011 was run with 5x dilution, sample -014 was run with 20x dilution, samples -004 -008, were run with 50x dilution, sample -010 was run with 100x dilution and samples -005, -006 were run with 1000x dilution due to high concentrations of the target compounds. No dilution was performed on all other samples 03153 in batch 130409-10.

4/18/2013

Signature Date

RESULTS SUMMARY REPORT

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03153

Lab ID:	**03153-027**		
Client ID:	**FB-65**		
Matrix:	**Aqueous**		
Sampled Date	**4/8/13**		
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:	**03153-001**			**03153-002**			**03153-003**			**03153-004**	
Client ID:	**S-15S (0-2.0)**			**S-15W (0-2.0)**			**S-14S (2.0-4.0)**			**S-15E (0-2.0)**	
Depth:	**0/2**			**0/2**			**2/4**			**0/2**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**4/8/13**			**4/8/13**			**4/8/13**			**4/8/13**	
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		0.016	ND		0.017	ND		0.017	ND		0.837
Aroclor-1221	ND		0.016	ND		0.017	ND		0.017	ND		0.837
Aroclor-1232	ND		0.016	ND		0.017	ND		0.017	ND		0.837
Aroclor-1242	1.19		0.016	0.659		0.017	ND		0.017	ND		0.837
Aroclor-1248	ND		0.016	ND		0.017	ND		0.017	59.4		0.837
Aroclor-1254	ND		0.016	ND		0.017	ND		0.017	ND		0.837
Aroclor-1260	ND		0.016	ND		0.017	ND		0.017	ND		0.837
Aroclor-1262	ND		0.016	ND		0.017	ND		0.017	ND		0.837
Aroclor-1268	ND		0.016	ND		0.017	ND		0.017	ND		0.837
PCBs	1.19		0.016	0.659		0.017	ND		0.017	59.4		0.837

Lab ID:	**03153-005**			**03153-006**			**03153-007**			**03153-008**	
Client ID:	**T-14W (2.0-4.0)**			**S-14W (0-2.0)**			**S-14W (2.0-4.0)**			**S-13S (4.0-6.0)**	
Depth:	**2/4**			**0/2**			**2/4**			**4/6**	
Matrix:	**Soil**			**Soil**			**Soil**			**Soil**	
Sampled Date	**4/8/13**			**4/8/13**			**4/8/13**			**4/8/13**	
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		17.6	ND		17.9	ND		0.020	ND		1.10
Aroclor-1221	ND		17.6	ND		17.9	ND		0.020	ND		1.10
Aroclor-1232	ND		17.6	ND		17.9	ND		0.020	ND		1.10
Aroclor-1242	2730		17.6	1680		17.9	0.283		0.020	ND		1.10
Aroclor-1248	ND		17.6	ND		17.9	ND		0.020	262		1.10
Aroclor-1254	ND		17.6	ND		17.9	ND		0.020	ND		1.10
Aroclor-1260	ND		17.6	ND		17.9	ND		0.020	ND		1.10
Aroclor-1262	ND		17.6	ND		17.9	ND		0.020	ND		1.10
Aroclor-1268	ND		17.6	ND		17.9	ND		0.020	ND		1.10
PCBs	2730		17.6	1680		17.9	0.283		0.020	262		1.10

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03153

Lab ID:	03153-009			03153-010			03153-011			03153-012		
Client ID:	R-13E (4.0-6.0)			S-13E (0-2.0)			S-13E (2.0-4.0)			S-13E (4.0-6.0)		
Depth:	4/6			0/2			2/4			4/6		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/8/13			4/8/13			4/8/13			4/8/13		
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		0.019	ND		1.72	ND		0.087	ND		0.018
Aroclor-1221	ND		0.019	ND		1.72	ND		0.087	ND		0.018
Aroclor-1232	ND		0.019	ND		1.72	ND		0.087	ND		0.018
Aroclor-1242	0.364		0.019	ND		1.72	ND		0.087	ND		0.018
Aroclor-1248	ND		0.019	164		1.72	13.1		0.087	3.42		0.018
Aroclor-1254	ND		0.019	ND		1.72	ND		0.087	ND		0.018
Aroclor-1260	ND		0.019	ND		1.72	ND		0.087	ND		0.018
Aroclor-1262	ND		0.019	ND		1.72	ND		0.087	ND		0.018
Aroclor-1268	ND		0.019	ND		1.72	ND		0.087	ND		0.018
PCBs	0.364		0.019	164		1.72	13.1		0.087	3.42		0.018

Lab ID:	03153-013			03153-014			03153-015			03153-016		
Client ID:	S-13N (4.0-6.0)			S-12E (0-2.0)			S-12E (2.0-4.0)			S-12N (0-2.0)		
Depth:	4/6			0/2			2/4			0/2		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/8/13			4/8/13			4/8/13			4/8/13		
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		0.395	ND		0.018	ND		0.184
Aroclor-1221	ND		0.017	ND		0.395	ND		0.018	ND		0.184
Aroclor-1232	ND		0.017	ND		0.395	ND		0.018	ND		0.184
Aroclor-1242	1.66		0.017	ND		0.395	1.43		0.018	ND		0.184
Aroclor-1248	ND		0.017	54.9		0.395	ND		0.018	59.8		0.184
Aroclor-1254	ND		0.017	ND		0.395	ND		0.018	ND		0.184
Aroclor-1260	ND		0.017	ND		0.395	ND		0.018	ND		0.184
Aroclor-1262	ND		0.017	ND		0.395	ND		0.018	ND		0.184
Aroclor-1268	ND		0.017	ND		0.395	ND		0.018	ND		0.184
PCBs	1.66		0.017	54.9		0.395	1.43		0.018	59.8		0.184

Lab ID:	03153-017			03153-018			03153-019			03153-020		
Client ID:	S-12N (2.0-4.0)			Z-16 (0-2.0)			R-11W (2.0-4.0)			R-11N (2.0-4.0)		
Depth:	2/4			0/2			2/4			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/8/13			4/8/13			4/8/13			4/8/13		
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		0.420	ND		0.020	ND		0.019
Aroclor-1221	ND		0.018	ND		0.420	ND		0.020	ND		0.019
Aroclor-1232	ND		0.018	ND		0.420	ND		0.020	ND		0.019
Aroclor-1242	ND		0.018	ND		0.420	ND		0.020	ND		0.019
Aroclor-1248	2.91		0.018	45.2		0.420	0.829		0.020	2.78		0.019
Aroclor-1254	ND		0.018	ND		0.420	ND		0.020	ND		0.019
Aroclor-1260	ND		0.018	ND		0.420	ND		0.020	ND		0.019
Aroclor-1262	ND		0.018	ND		0.420	ND		0.020	ND		0.019
Aroclor-1268	ND		0.018	ND		0.420	ND		0.020	ND		0.019
PCBs	2.91		0.018	45.2		0.420	0.829		0.020	2.78		0.019

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: JMC Environmental Consultants
Project: ARSYNCO
Lab Case No.: E13-03153

Lab ID:	03153-021			03153-022			03153-023			03153-024		
Client ID:	R-11E (2.0-4.0)			R-12N (0-2.0)			R-13N (0-2.0)			R-13N (2.0-4.0)		
Depth:	2/4			0/2			0/2			2/4		
Matrix:	Soil			Soil			Soil			Soil		
Sampled Date	4/8/13			4/8/13			4/8/13			4/8/13		
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		0.023	ND		0.431	ND		0.487	ND		0.017
Aroclor-1221	ND		0.023	ND		0.431	ND		0.487	ND		0.017
Aroclor-1232	ND		0.023	ND		0.431	ND		0.487	ND		0.017
Aroclor-1242	ND		0.023	ND		0.431	ND		0.487	ND		0.017
Aroclor-1248	ND		0.023	112		0.431	159		0.487	0.246		0.017
Aroclor-1254	ND		0.023	ND		0.431	ND		0.487	ND		0.017
Aroclor-1260	ND		0.023	ND		0.431	ND		0.487	ND		0.017
Aroclor-1262	ND		0.023	ND		0.431	ND		0.487	ND		0.017
Aroclor-1268	ND		0.023	ND		0.431	ND		0.487	ND		0.017
PCBs	ND		0.023	112		0.431	159		0.487	0.246		0.017

Lab ID:	03153-025			03153-026		
Client ID:	R-13W (0-2.0)			R-13W (2.0-4.0)		
Depth:	0/2			2/4		
Matrix:	Soil			Soil		
Sampled Date	4/8/13			4/8/13		
PARAMETER(Units)	Conc	Q	MDL	Conc	Q	MDL
PCB's (Units)	*(mg/Kg-ppm)*			*(mg/Kg-ppm)*		
Aroclor-1016	ND		6.94	ND		0.017
Aroclor-1221	ND		6.94	ND		0.017
Aroclor-1232	ND		6.94	ND		0.017
Aroclor-1242	ND		6.94	ND		0.017
Aroclor-1248	852		6.94	0.245		0.017
Aroclor-1254	ND		6.94	ND		0.017
Aroclor-1260	ND		6.94	ND		0.017
Aroclor-1262	ND		6.94	ND		0.017
Aroclor-1268	ND		6.94	ND		0.017
PCBs	852		6.94	0.245		0.017

ND = Analyzed for but Not Detected at the MDL

ANALYTICAL RESULTS

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-001
Client ID: S-15S_(0-2
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7304.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.70g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 12.1

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	1.19		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	1.19		0.040	0.016

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-002
Client ID: S-15W_(0-2
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7305.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.46g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 12.4

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	0.659		0.042	0.017
Aroclor-1248	ND		0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	0.659		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-003
Client ID: S-14S_(2.0
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7306.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.48g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 12.5

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

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-004
Client ID: S-15E_(0-2
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7307.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 11.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.09	0.837
Aroclor-1221	ND		2.09	0.837
Aroclor-1232	ND		2.09	0.837
Aroclor-1242	ND		2.09	0.837
Aroclor-1248	59.4		2.09	0.837
Aroclor-1254	ND		2.09	0.837
Aroclor-1260	ND		2.09	0.837
Aroclor-1262	ND		2.09	0.837
Aroclor-1268	ND		2.09	0.837
PCBs	59.4		2.09	0.837

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-005
Client ID: T-14W_(2.0
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/16/2013
Data file: Y7353.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.51g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 17.4

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		43.9	17.6
Aroclor-1221	ND		43.9	17.6
Aroclor-1232	ND		43.9	17.6
Aroclor-1242	2730		43.9	17.6
Aroclor-1248	ND		43.9	17.6
Aroclor-1254	ND		43.9	17.6
Aroclor-1260	ND		43.9	17.6
Aroclor-1262	ND		43.9	17.6
Aroclor-1268	ND		43.9	17.6
PCBs	2730		43.9	17.6

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-006
Client ID: S-14W_(0-2
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/16/2013
Data file: Y7354.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.07g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1000
% Moisture: 11.9

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		44.8	17.9
Aroclor-1221	ND		44.8	17.9
Aroclor-1232	ND		44.8	17.9
Aroclor-1242	1680		44.8	17.9
Aroclor-1248	ND		44.8	17.9
Aroclor-1254	ND		44.8	17.9
Aroclor-1260	ND		44.8	17.9
Aroclor-1262	ND		44.8	17.9
Aroclor-1268	ND		44.8	17.9
PCBs	1680		44.8	17.9

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-007
Client ID: S-14W_(2.0
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7310.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.33g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 24.1

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	0.283		0.049	0.020
Aroclor-1248	ND		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	0.283		0.049	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-008
Client ID: S-13S_(4.0
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7311.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 50
% Moisture: 32.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		2.75	1.10
Aroclor-1221	ND		2.75	1.10
Aroclor-1232	ND		2.75	1.10
Aroclor-1242	ND		2.75	1.10
Aroclor-1248	262		2.75	1.10
Aroclor-1254	ND		2.75	1.10
Aroclor-1260	ND		2.75	1.10
Aroclor-1262	ND		2.75	1.10
Aroclor-1268	ND		2.75	1.10
PCBs	262		2.75	1.10

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-009
Client ID: R-13E_(4.0
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7312.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.10g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 15.3

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	0.364		0.046	0.019
Aroclor-1248	ND		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	0.364		0.046	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-010
Client ID: S-13E_(0-2
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/16/2013
Data file: Y7355.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.54g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 100
% Moisture: 16.0

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		4.30	1.72
Aroclor-1221	ND		4.30	1.72
Aroclor-1232	ND		4.30	1.72
Aroclor-1242	ND		4.30	1.72
Aroclor-1248	164		4.30	1.72
Aroclor-1254	ND		4.30	1.72
Aroclor-1260	ND		4.30	1.72
Aroclor-1262	ND		4.30	1.72
Aroclor-1268	ND		4.30	1.72
PCBs	164		4.30	1.72

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-011
Client ID: S-13E_(2.0
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7314.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.24g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 5
% Moisture: 12.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.219	0.087
Aroclor-1221	ND		0.219	0.087
Aroclor-1232	ND		0.219	0.087
Aroclor-1242	ND		0.219	0.087
Aroclor-1248	13.1		0.219	0.087
Aroclor-1254	ND		0.219	0.087
Aroclor-1260	ND		0.219	0.087
Aroclor-1262	ND		0.219	0.087
Aroclor-1268	ND		0.219	0.087
PCBs	13.1		0.219	0.087

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-012
Client ID: S-13E_(4.0
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7315.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.45g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 18.5

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: 03153-013
Client ID: S-13N_(4.0
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7316.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.76g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.3

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	1.66		0.042	0.017
Aroclor-1248	ND		0.042	0.017
Aroclor-1254	ND		0.042	0.017
Aroclor-1260	ND		0.042	0.017
Aroclor-1262	ND		0.042	0.017
Aroclor-1268	ND		0.042	0.017
PCBs	1.66		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-014
Client ID: S-12E_(0-2
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/16/2013
Data file: Y7356.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.37g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 20
% Moisture: 24.5

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.987	0.395
Aroclor-1221	ND		0.987	0.395
Aroclor-1232	ND		0.987	0.395
Aroclor-1242	ND		0.987	0.395
Aroclor-1248	54.9		0.987	0.395
Aroclor-1254	ND		0.987	0.395
Aroclor-1260	ND		0.987	0.395
Aroclor-1262	ND		0.987	0.395
Aroclor-1268	ND		0.987	0.395
PCBs	54.9		0.987	0.395

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-015
Client ID: S-12E_(2.0
Date Received: 04/08/2013
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7318.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.67g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.7

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	1.43		0.045	0.018
Aroclor-1248	ND		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	1.43		0.045	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-016
Client ID: S-12N_(0-2
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/15/2013
Data file: R8798.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.36g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 10
% Moisture: 18.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.459	0.184
Aroclor-1221	ND		0.459	0.184
Aroclor-1232	ND		0.459	0.184
Aroclor-1242	ND		0.459	0.184
Aroclor-1248	59.8		0.459	0.184
Aroclor-1254	ND		0.459	0.184
Aroclor-1260	ND		0.459	0.184
Aroclor-1262	ND		0.459	0.184
Aroclor-1268	ND		0.459	0.184
PCBs	59.8		0.459	0.184

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-017
Client ID: S-12N_(2.0
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8750.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.57g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 17.8

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	2.91		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	2.91		0.044	0.018

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-018
Client ID: Z-16_(0-2.
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/15/2013
Data file: R8799.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.10g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 20
% Moisture: 25.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		1.05	0.420
Aroclor-1221	ND		1.05	0.420
Aroclor-1232	ND		1.05	0.420
Aroclor-1242	ND		1.05	0.420
Aroclor-1248	45.2		1.05	0.420
Aroclor-1254	ND		1.05	0.420
Aroclor-1260	ND		1.05	0.420
Aroclor-1262	ND		1.05	0.420
Aroclor-1268	ND		1.05	0.420
PCBs	45.2		1.05	0.420

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-019
Client ID: R-11W_(2.0
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8752.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.41g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 25.2

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.049	0.020
Aroclor-1221	ND		0.049	0.020
Aroclor-1232	ND		0.049	0.020
Aroclor-1242	ND		0.049	0.020
Aroclor-1248	0.829		0.049	0.020
Aroclor-1254	ND		0.049	0.020
Aroclor-1260	ND		0.049	0.020
Aroclor-1262	ND		0.049	0.020
Aroclor-1268	ND		0.049	0.020
PCBs	0.829		0.049	0.020

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-020
Client ID: R-11N_(2.0
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8753.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.40g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 21.9

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	2.78		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	2.78		0.047	0.019

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-021
Client ID: R-11E_(2.0
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8754.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.39g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 35.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.057	0.023
Aroclor-1221	ND		0.057	0.023
Aroclor-1232	ND		0.057	0.023
Aroclor-1242	ND		0.057	0.023
Aroclor-1248	ND		0.057	0.023
Aroclor-1254	ND		0.057	0.023
Aroclor-1260	ND		0.057	0.023
Aroclor-1262	ND		0.057	0.023
Aroclor-1268	ND		0.057	0.023
PCBs	ND		0.057	0.023

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-022
Client ID: R-12N_(0-2
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/15/2013
Data file: R8800.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.85g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 25
% Moisture: 20.7

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		1.08	0.431
Aroclor-1221	ND		1.08	0.431
Aroclor-1232	ND		1.08	0.431
Aroclor-1242	ND		1.08	0.431
Aroclor-1248	112		1.08	0.431
Aroclor-1254	ND		1.08	0.431
Aroclor-1260	ND		1.08	0.431
Aroclor-1262	ND		1.08	0.431
Aroclor-1268	ND		1.08	0.431
PCBs	112		1.08	0.431

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-023
Client ID: R-13N_(0-2
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/15/2013
Data file: R8801.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.15g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 25
% Moisture: 20.3

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		1.22	0.487
Aroclor-1221	ND		1.22	0.487
Aroclor-1232	ND		1.22	0.487
Aroclor-1242	ND		1.22	0.487
Aroclor-1248	159		1.22	0.487
Aroclor-1254	ND		1.22	0.487
Aroclor-1260	ND		1.22	0.487
Aroclor-1262	ND		1.22	0.487
Aroclor-1268	ND		1.22	0.487
PCBs	159		1.22	0.487

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-024
Client ID: R-13N_(2.0
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8757.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.14g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 9.80

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		0.043	0.017
Aroclor-1221	ND		0.043	0.017
Aroclor-1232	ND		0.043	0.017
Aroclor-1242	ND		0.043	0.017
Aroclor-1248	0.246		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	0.246		0.043	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-025
Client ID: R-13W_(0-2
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/16/2013
Data file: R8834.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.08g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 400
% Moisture: 9.20

Compound	Concentration	Q	RL	MDL
Aroclor-1016	ND		17.3	6.94
Aroclor-1221	ND		17.3	6.94
Aroclor-1232	ND		17.3	6.94
Aroclor-1242	ND		17.3	6.94
Aroclor-1248	852		17.3	6.94
Aroclor-1254	ND		17.3	6.94
Aroclor-1260	ND		17.3	6.94
Aroclor-1262	ND		17.3	6.94
Aroclor-1268	ND		17.3	6.94
PCBs	852		17.3	6.94

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-026
Client ID: R-13W_(2.0
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8759.D

GC Column: DB-5/DB1701P
Sample wt/vol: 5.35g
Matrix-Units: Soil-mg/Kg (ppm)
Dilution Factor: 1
% Moisture: 11.9

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	0.245		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	0.245		0.042	0.017

INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: 03153-027
Client ID: FB-65
Date Received: 04/08/2013
Date Extracted: 04/10/2013
Date Analyzed: 04/12/2013
Data file: R8685.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: 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: 04/13/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130410-03	SOIL	78		80		84		87	
AEC2-GT-C	03127-005	SOIL	72		181	M	77		85	
AEC2-MC-C	03127-015	SOIL	82		778	M	76		98	
S-12N_(2.0	03153-017	SOIL	57		71		76		109	
R-11W_(2.0	03153-019	SOIL	59		79		79		103	
R-11N_(2.0	03153-020	SOIL	62		71		75		113	
R-11E_(2.0	03153-021	SOIL	68		67		77		84	
R-13N_(2.0	03153-024	SOIL	70		70		77		80	
R-13W_(2.0	03153-026	SOIL	73		73		80		83	
PCB	03153-026MS	SOIL	74		100		79		80	
PCB	03153-026MSD	SOIL	76		102		82		77	
PCB	LCSS130410-03	SOIL	74		84		80		91	
AEC2-MC-B	03127-002	SOIL	70		124		81		132	
AEC2-GT-B	03127-006	SOIL	80		665	M	81		104	
AEC2-GT-A	03127-007	SOIL	77		185	M	83		93	
AEC2-GT-D	03127-012	SOIL	71		514	M	101		89	
AEC2-GT-E	03127-013	SOIL	71		85		78		95	
AEC2-MC-A	03127-014	SOIL	73		106		79		113	
S-12N_(0-2	03153-016	SOIL	62		69		81		101	
Z-16_(0-2.	03153-018	SOIL	78		76		92		4098	M
R-12N_(0-2	03153-022	SOIL	63		625	M	73		110	
R-13N_(0-2	03153-023	SOIL	75		888	M	73		305	M
R-13W_(0-2	03153-025	SOIL	440	M	80		120		120	

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: 04/15/2013

Client ID	Lab Sample ID	Matrix	TCMX 1 % rec	#	DCB 1 % rec	#	TCMX 2 % rec	#	DCB 2 % rec	#
PCB	BLKS130409-10	SOIL	105		96		67		101	
S-17N_(0-2	03119-027	SOIL	97		93		66		90	
S-17N_(2.0	03119-028	SOIL	109		112		70		89	
S-1	03138-001	SOIL	42		79		41		99	
S-2	03138-002	SOIL	40		89		39		81	
S-3	03138-003	SOIL	43		78		42		75	
S-15S_(0-2	03153-001	SOIL	92		84		66		91	
S-15W_(0-2	03153-002	SOIL	92		95		65		102	
S-14S_(2.0	03153-003	SOIL	104		88		69		105	
S-15E_(0-2	03153-004	SOIL	120		120		70		110	
S-14W_(2.0	03153-007	SOIL	104		99		67		100	
S-13S_(4.0	03153-008	SOIL	125		250	M	70		90	
R-13E_(4.0	03153-009	SOIL	100		120		91		125	
S-13E_(2.0	03153-011	SOIL	104		162	M	68		90	
S-13E_(4.0	03153-012	SOIL	76		120		58		82	
S-13N_(4.0	03153-013	SOIL	51		82		56		97	
S-12E_(2.0	03153-015	SOIL	68		92		61		93	
PCB	03153-015MS	SOIL	56		120		57		121	
PCB	03153-015MSD	SOIL	62		117		59		111	
PCB	LCSS130409-10	SOIL	89		89		58		99	
T-14W_(2.0	03153-005	SOIL	0	D	0	D	0	D	0	D
S-14W_(0-2	03153-006	SOIL	0	D	0	D	0	D	0	D
S-13E_(0-2	03153-010	SOIL	90		210	M	80		90	
S-12E_(0-2	03153-014	SOIL	80		1158	M	66		88	

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

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: LCSS130410-03

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016 -	500.0	0.0	573.9	115	40 - 140
Aroclor-1260	500.0	0.0	479.1	96	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: LCSS130409-10

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	452.5	91	40 - 140
Aroclor-1260	500.0	0.0	493.8	99	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 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: 03153-026

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	646.8	129	40 - 140
Aroclor-1260	500.0	0.0	471.5	94	40 - 140

Compound	SAMPLE CONC. (ug/Kg)	MSD CONC. (ug/Kg)	MSD % # REC	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	0.0	657.7	132	2	50	40 - 140
Aroclor-1260	0.0	526.3	105	11	50	40 - 140

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

RPD: __0___ out of __2__ outside limits

Spike Recovery: __0___ out of __4__ outside limits

SOIL PCB MS/MSD ACCURACY RECOVERY

Matrix spike Lab sample ID: 03153-015

Compound	SPIKE ADDED (ug/Kg)	SAMPLE CONC. (ug/Kg)	MS CONC. (ug/Kg)	MS % REC #	QC LIMITS REC.
Aroclor-1016	500.0	0.0	618.0	124	40 - 140
Aroclor-1260	500.0	0.0	580.2	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	645.2	129	4	50	40 - 140
Aroclor-1260	0.0	566.4	113	3	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:	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: R8740.D

Instrument ID: GC-R

Date Extracted: 04/10/2013

Matrix: SOIL

Date Analyzed: 04/13/2013

Time Analyzed: 09:05

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
AEC2-GT-C	03127-005	04/13/2013	09:40
AEC2-MC-C	03127-015	04/13/2013	11:25
S-12N_(2.0	03153-017	04/13/2013	12:00
R-11W_(2.0	03153-019	04/13/2013	12:35
R-11N_(2.0	03153-020	04/13/2013	12:52
R-11E_(2.0	03153-021	04/13/2013	13:10
R-13N_(2.0	03153-024	04/13/2013	14:02
R-13W_(2.0	03153-026	04/13/2013	14:37
PCB	03153-026MS	04/13/2013	14:54
PCB	03153-026MSD	04/13/2013	15:11
PCB	LCSS130410-03	04/13/2013	16:04
AEC2-MC-B	03127-002	04/15/2013	20:56
AEC2-GT-B	03127-006	04/15/2013	21:13
AEC2-GT-A	03127-007	04/15/2013	21:30
AEC2-GT-D	03127-012	04/15/2013	21:48
AEC2-GT-E	03127-013	04/15/2013	22:05
AEC2-MC-A	03127-014	04/15/2013	22:23
S-12N_(0-2	03153-016	04/15/2013	22:40
Z-16_(0-2.	03153-018	04/15/2013	22:57
R-12N_(0-2	03153-022	04/15/2013	23:15
R-13N_(0-2	03153-023	04/15/2013	23:32
R-13W_(0-2	03153-025	04/16/2013	10:37

PCB METHOD BLANK SUMMARY

Lab File ID: Y7298.D

Instrument ID: GC-Y

Date Extracted: 04/09/2013

Matrix: SOIL

Date Analyzed: 04/15/2013

Time Analyzed: 18:07

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

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed
S-17N_(0-2	03119-027	04/15/2013	18:24
S-17N_(2.0	03119-028	04/15/2013	18:41
S-1	03138-001	04/15/2013	18:58
S-2	03138-002	04/15/2013	19:15
S-3	03138-003	04/15/2013	19:33
S-15S_(0-2	03153-001	04/15/2013	19:50
S-15W_(0-2	03153-002	04/15/2013	20:07
S-14S_(2.0	03153-003	04/15/2013	20:24
S-15E_(0-2	03153-004	04/15/2013	20:41
S-14W_(2.0	03153-007	04/15/2013	21:33
S-13S_(4.0	03153-008	04/15/2013	21:50
R-13E_(4.0	03153-009	04/15/2013	22:07
S-13E_(2.0	03153-011	04/15/2013	22:42
S-13E_(4.0	03153-012	04/15/2013	22:59
S-13N_(4.0	03153-013	04/15/2013	23:16
S-12E_(2.0	03153-015	04/15/2013	23:50
PCB	03153-015MS	04/16/2013	00:08
PCB	03153-015MSD	04/16/2013	00:25
PCB	LCSS130409-10	04/16/2013	00:42
T-14W_(2.0	03153-005	04/16/2013	10:34
S-14W_(0-2	03153-006	04/16/2013	10:51
S-13E_(0-2	03153-010	04/16/2013	11:09
S-12E_(0-2	03153-014	04/16/2013	11:26

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 WI NDOW 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 WINDOW 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: 04/12/2013 **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: 04/13/2013 **Instrument ID:** GC-R

Data File: R8739.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	229637	11.36
Aroclor-1016 {2}	4.05	3.98	4.12	285474	305645	7.07
Aroclor-1016 {3}	4.60	4.53	4.67	371376	393106	5.85
Aroclor-1016 {4}	5.11	5.03	5.17	166680	196133	17.67
Aroclor-1016 {5}	5.51	5.43	5.57	293615	311651	6.14
Aroclor-1260	8.30	7.39	9.19	849013	866191	2.02
Aroclor-1260 {2}	8.98	8.07	9.87	415817	401929	3.34
Aroclor-1260 {3}	9.45	8.54	10.34	956817	958942	0.22
Aroclor-1260 {4}	9.93	9.02	10.82	515317	502233	2.54
Aroclor-1260 {5}	11.00	10.09	11.89	221443	196780	11.14
					Average %D	6.74

Data File: R8739.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	246239	12.87
Aroclor-1016 {2}	4.00	3.94	4.08	440985	466127	5.70
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1073157	14.88
Aroclor-1016 {4}	4.93	4.86	5.00	404062	448257	10.94
Aroclor-1016 {5}	5.10	5.03	5.17	310589	350332	12.80
Aroclor-1260	7.43	6.53	8.33	363048	402311	10.81
Aroclor-1260 {2}	7.68	6.79	8.59	525762	575462	9.45
Aroclor-1260 {3}	9.26	8.37	10.17	456214	506259	10.97
Aroclor-1260 {4}	9.77	8.88	10.68	916569	1068837	16.61
Aroclor-1260 {5}	10.36	9.46	11.26	666324	764880	14.79
					Average %D	11.98

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: R8763.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	228312	10.72
Aroclor-1016 {2}	4.05	3.98	4.12	285474	304556	6.68
Aroclor-1016 {3}	4.61	4.53	4.67	371376	388551	4.62
Aroclor-1016 {4}	5.11	5.03	5.17	166680	191978	15.18
Aroclor-1016 {5}	5.51	5.43	5.57	293615	301931	2.83
Aroclor-1260	8.30	7.39	9.19	849013	802144	5.52
Aroclor-1260 {2}	8.98	8.07	9.87	415817	363622	12.55
Aroclor-1260 {3}	9.45	8.54	10.34	956817	866439	9.45
Aroclor-1260 {4}	9.94	9.02	10.82	515317	466723	9.43
Aroclor-1260 {5}	11.00	10.09	11.89	221443	203923	7.91
					Average %D	8.49

Data File: R8763.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.44	3.37	3.51	218165	249449	14.34
Aroclor-1016 {2}	4.01	3.94	4.08	440985	470026	6.59
Aroclor-1016 {3}	4.73	4.66	4.80	934187	1077036	15.29
Aroclor-1016 {4}	4.93	4.86	5.00	404062	443742	9.82
Aroclor-1016 {5}	5.10	5.03	5.17	310589	343990	10.75
Aroclor-1260	7.43	6.53	8.33	363048	372874	2.71
Aroclor-1260 {2}	7.68	6.79	8.59	525762	533258	1.43
Aroclor-1260 {3}	9.27	8.37	10.17	456214	455469	0.16
Aroclor-1260 {4}	9.77	8.88	10.68	916569	977226	6.62
Aroclor-1260 {5}	10.36	9.46	11.26	666324	667506	0.18
					Average %D	6.79

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: R8791.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	218687	6.05
Aroclor-1016 {2}	4.05	3.98	4.12	285474	294585	3.19
Aroclor-1016 {3}	4.60	4.53	4.67	371376	376859	1.48
Aroclor-1016 {4}	5.11	5.03	5.17	166680	172320	3.38
Aroclor-1016 {5}	5.50	5.43	5.57	293615	293875	0.09
Aroclor-1260	8.29	7.39	9.19	849013	787145	7.29
Aroclor-1260 {2}	8.97	8.07	9.87	415817	366167	11.94
Aroclor-1260 {3}	9.45	8.54	10.34	956817	873931	8.66
Aroclor-1260 {4}	9.93	9.02	10.82	515317	461326	10.48
Aroclor-1260 {5}	10.99	10.09	11.89	221443	188763	14.76
					Average %D	6.73

Data File: R8791.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	254166	16.50
Aroclor-1016 {2}	4.00	3.94	4.08	440985	494360	12.10
Aroclor-1016 {3}	4.72	4.66	4.80	934187	1119565	19.84
Aroclor-1016 {4}	4.92	4.86	5.00	404062	466405	15.43
Aroclor-1016 {5}	5.09	5.03	5.17	310589	363700	17.10
Aroclor-1260	7.42	6.53	8.33	363048	404262	11.35
Aroclor-1260 {2}	7.67	6.79	8.59	525762	579422	10.21
Aroclor-1260 {3}	9.26	8.37	10.17	456214	505382	10.78
Aroclor-1260 {4}	9.76	8.88	10.68	916569	1057187	15.34
Aroclor-1260 {5}	10.35	9.46	11.26	666324	749835	12.53
					Average %D	14.12

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: R8803.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	223042	8.16
Aroclor-1016 {2}	4.05	3.98	4.12	285474	299898	5.05
Aroclor-1016 {3}	4.60	4.53	4.67	371376	383315	3.21
Aroclor-1016 {4}	5.11	5.03	5.17	166680	177989	6.78
Aroclor-1016 {5}	5.50	5.43	5.57	293615	299135	1.88
Aroclor-1260	8.29	7.39	9.19	849013	820166	3.40
Aroclor-1260 {2}	8.97	8.07	9.87	415817	383483	7.78
Aroclor-1260 {3}	9.45	8.54	10.34	956817	923407	3.49
Aroclor-1260 {4}	9.93	9.02	10.82	515317	490653	4.79
Aroclor-1260 {5}	10.99	10.09	11.89	221443	203621	8.05
					Average %D	5.26

Data File: R8803.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	245541	12.55
Aroclor-1016 {2}	4.00	3.94	4.08	440985	498846	13.12
Aroclor-1016 {3}	4.72	4.66	4.80	934187	1107981	18.60
Aroclor-1016 {4}	4.92	4.86	5.00	404062	473643	17.22
Aroclor-1016 {5}	5.09	5.03	5.17	310589	369692	19.03
Aroclor-1260	7.42	6.53	8.33	363048	412866	13.72
Aroclor-1260 {2}	7.67	6.79	8.59	525762	589839	12.19
Aroclor-1260 {3}	9.26	8.37	10.17	456214	526990	15.51
Aroclor-1260 {4}	9.76	8.88	10.68	916569	1076695	17.47
Aroclor-1260 {5}	10.35	9.46	11.26	666324	796999	19.61
					Average %D	15.90

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 WINDOW FROM	RT WINDOW 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 WINDOW FROM	RT WINDOW 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 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 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}	5.52	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 WI NDOW 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 WI NDOW 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: 04/15/2013 **Instrument ID:** GC-Y

Data File: Y7297.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	1482664	1768804	19.30
Aroclor-1016 {2}	4.08	4.01	4.15	2123912	2441350	14.95
Aroclor-1016 {3}	4.63	4.56	4.70	2846613	3291410	15.63
Aroclor-1016 {4}	5.13	5.06	5.20	1546336	1708235	10.47
Aroclor-1016 {5}	5.53	5.45	5.59	2389286	2619292	9.63
Aroclor-1260	8.31	7.41	9.21	6292159	7494637	19.11
Aroclor-1260 {2}	8.97	8.08	9.88	2730714	3138320	14.93
Aroclor-1260 {3}	9.45	8.56	10.36	8213071	9662454	17.65
Aroclor-1260 {4}	9.94	9.04	10.84	3744028	4202190	12.24
Aroclor-1260 {5}	10.99	10.10	11.90	1905806	2123493	11.42
					Average %D	14.53

Data File: Y7297.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	546403	14.93
Aroclor-1016 {2}	4.32	4.25	4.39	1255321	1106069	11.89
Aroclor-1016 {3}	5.06	5.00	5.14	2752066	2399043	12.83
Aroclor-1016 {4}	5.27	5.20	5.34	1273599	1029383	19.18
Aroclor-1016 {5}	5.44	5.37	5.51	962170	802485	16.60
Aroclor-1260	7.79	6.90	8.70	1001917	875432	12.62
Aroclor-1260 {2}	8.04	7.15	8.95	1576037	1341246	14.90
Aroclor-1260 {3}	9.63	8.73	10.53	1223066	1099560	10.10
Aroclor-1260 {4}	10.14	9.24	11.04	2801306	2408079	14.04
Aroclor-1260 {5}	10.72	9.83	11.63	1977197	1761523	10.91
					Average %D	13.80

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y7322.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	1742897	17.55
Aroclor-1016 {2}	4.08	4.01	4.15	2123912	2458220	15.74
Aroclor-1016 {3}	4.63	4.56	4.70	2846613	3375445	18.58
Aroclor-1016 {4}	5.13	5.06	5.20	1546336	1815935	17.43
Aroclor-1016 {5}	5.53	5.45	5.59	2389286	2765824	15.76
Aroclor-1260	8.30	7.41	9.21	6292159	7463757	18.62
Aroclor-1260 {2}	8.97	8.08	9.88	2730714	3166804	15.97
Aroclor-1260 {3}	9.45	8.56	10.36	8213071	9842771	19.84
Aroclor-1260 {4}	9.94	9.04	10.84	3744028	4348211	16.14
Aroclor-1260 {5}	10.99	10.10	11.90	1905806	2144428	12.52
					Average %D	16.82

Data File: Y7322.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	538679	16.13
Aroclor-1016 {2}	4.32	4.25	4.39	1255321	1059111	15.63
Aroclor-1016 {3}	5.06	5.00	5.14	2752066	2341990	14.90
Aroclor-1016 {4}	5.27	5.20	5.34	1273599	1021962	19.76
Aroclor-1016 {5}	5.44	5.37	5.51	962170	779116	19.03
Aroclor-1260	7.79	6.90	8.70	1001917	841604	16.00
Aroclor-1260 {2}	8.04	7.15	8.95	1576037	1310011	16.88
Aroclor-1260 {3}	9.63	8.73	10.53	1223066	1105316	9.63
Aroclor-1260 {4}	10.14	9.24	11.04	2801306	2488361	11.17
Aroclor-1260 {5}	10.72	9.83	11.63	1977197	1825766	7.66
					Average %D	14.68

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y7349.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	1763806	18.96
Aroclor-1016 {2}	4.07	4.01	4.15	2123912	2453811	15.53
Aroclor-1016 {3}	4.63	4.56	4.70	2846613	3375710	18.59
Aroclor-1016 {4}	5.13	5.06	5.20	1546336	1620381	4.79
Aroclor-1016 {5}	5.52	5.45	5.59	2389286	2764924	15.72
Aroclor-1260	8.30	7.41	9.21	6292159	7230397	14.91
Aroclor-1260 {2}	8.97	8.08	9.88	2730714	3268897	19.71
Aroclor-1260 {3}	9.45	8.56	10.36	8213071	9341177	13.74
Aroclor-1260 {4}	9.93	9.04	10.84	3744028	4122467	10.11
Aroclor-1260 {5}	10.99	10.10	11.90	1905806	2149017	12.76
					Average %D	14.48

Data File: Y7349.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	541674	15.67
Aroclor-1016 {2}	4.32	4.25	4.39	1255321	1092805	12.95
Aroclor-1016 {3}	5.07	5.00	5.14	2752066	2408782	12.47
Aroclor-1016 {4}	5.27	5.20	5.34	1273599	1062784	16.55
Aroclor-1016 {5}	5.45	5.37	5.51	962170	811104	15.70
Aroclor-1260	7.79	6.90	8.70	1001917	872516	12.92
Aroclor-1260 {2}	8.04	7.15	8.95	1576037	1368058	13.20
Aroclor-1260 {3}	9.63	8.73	10.53	1223066	1146261	6.28
Aroclor-1260 {4}	10.14	9.24	11.04	2801306	2650339	5.39
Aroclor-1260 {5}	10.72	9.83	11.63	1977197	1997563	1.03
					Average %D	11.21

AROCLOR CALIBRATION VERIFICATION SUMMARY

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

Data File: Y7370.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	1482664	1734261	16.97
Aroclor-1016 {2}	4.08	4.01	4.15	2123912	2400182	13.01
Aroclor-1016 {3}	4.63	4.56	4.70	2846613	3324336	16.78
Aroclor-1016 {4}	5.13	5.06	5.20	1546336	1637710	5.91
Aroclor-1016 {5}	5.53	5.45	5.59	2389286	2780074	16.36
Aroclor-1260	8.30	7.41	9.21	6292159	7280234	15.70
Aroclor-1260 {2}	8.97	8.08	9.88	2730714	3197822	17.11
Aroclor-1260 {3}	9.45	8.56	10.36	8213071	9764560	18.89
Aroclor-1260 {4}	9.94	9.04	10.84	3744028	4377977	16.93
Aroclor-1260 {5}	10.99	10.10	11.90	1905806	2252400	18.19
					Average %D	15.58

Data File: Y7370.C **GC Column (2nd):** DB-1701P

Compound	RT	RT WINDOW FROM	RT WINDOW TO	Avg CF	CC CF	%D
Aroclor-1016	3.72	3.66	3.80	642294	569005	11.41
Aroclor-1016 {2}	4.32	4.25	4.39	1255321	1107170	11.80
Aroclor-1016 {3}	5.06	5.00	5.14	2752066	2399612	12.81
Aroclor-1016 {4}	5.27	5.20	5.34	1273599	1043991	18.03
Aroclor-1016 {5}	5.44	5.37	5.51	962170	817098	15.08
Aroclor-1260	7.79	6.90	8.70	1001917	884389	11.73
Aroclor-1260 {2}	8.04	7.15	8.95	1576037	1381727	12.33
Aroclor-1260 {3}	9.63	8.73	10.53	1223066	1178027	3.68
Aroclor-1260 {4}	10.14	9.24	11.04	2801306	2618955	6.51
Aroclor-1260 {5}	10.72	9.83	11.63	1977197	1923506	2.72
					Average %D	10.61

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	BLKS130410-03	04/13/2013	09:05	2.75		12.10		2.61		12.04	
AEC2-GT-C	03127-005	04/13/2013	09:40	2.76		12.10		2.61		12.04	
AEC2-MC-C	03127-015	04/13/2013	11:25	2.75		12.14		2.61		12.04	
S-12N_(2.0	03153-017	04/13/2013	12:00	2.76		12.10		2.61		12.03	
R-11W_(2.0	03153-019	04/13/2013	12:35	2.76		12.11		2.61		12.05	
R-11N_(2.0	03153-020	04/13/2013	12:52	2.76		12.10		2.61		12.04	
R-11E_(2.0	03153-021	04/13/2013	13:10	2.76		12.10		2.61		12.04	
R-13N_(2.0	03153-024	04/13/2013	14:02	2.76		12.10		2.61		12.04	
R-13W_(2.0	03153-026	04/13/2013	14:37	2.76		12.10		2.61		12.04	
PCB	03153-026MS	04/13/2013	14:54	2.76		12.10		2.61		12.04	
PCB	03153-026MSD	04/13/2013	15:11	2.76		12.10		2.61		12.04	
PCB	LCSS130410-03	04/13/2013	16:04	2.76		12.10		2.61		12.04	
AEC2-MC-B	03127-002	04/15/2013	20:56	2.75		12.09		2.61		12.03	
AEC2-GT-B	03127-006	04/15/2013	21:13	2.75		12.13		2.61		12.03	
AEC2-GT-A	03127-007	04/15/2013	21:30	2.75		12.12		2.61		12.03	
AEC2-GT-D	03127-012	04/15/2013	21:48	2.76		12.13		2.61		12.03	
AEC2-GT-E	03127-013	04/15/2013	22:05	2.75		12.09		2.61		12.03	
AEC2-MC-A	03127-014	04/15/2013	22:23	2.75		12.10		2.61		12.03	
S-12N_(0-2	03153-016	04/15/2013	22:40	2.75		12.08		2.61		12.03	
Z-16_(0-2.	03153-018	04/15/2013	22:57	2.76		12.09		2.61		11.94	
R-12N_(0-2	03153-022	04/15/2013	23:15	2.75		12.05		2.61		12.04	
R-13N_(0-2	03153-023	04/15/2013	23:32	2.75		12.05		2.61		12.01	
R-13W_(0-2	03153-025	04/16/2013	10:37	2.73		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 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** 2.87 **DCB 2** 12.39

Client ID	Lab Sample ID	Date Analyzed	Time Analyzed	TCMX 1 RT	#	DCB 1 RT	#	TCMX 2 RT	#	DCB 2 RT	#
PCB	BLKS130409-10	04/15/2013	18:07	2.80		12.07		2.87		12.39	
S-17N_(0-2	03119-027	04/15/2013	18:24	2.80		12.07		2.87		12.39	
S-17N_(2.0	03119-028	04/15/2013	18:41	2.80		12.07		2.87		12.39	
S-1	03138-001	04/15/2013	18:58	2.80		12.07		2.87		12.39	
S-2	03138-002	04/15/2013	19:15	2.80		12.07		2.87		12.39	
S-3	03138-003	04/15/2013	19:33	2.80		12.07		2.87		12.39	
S-15S_(0-2	03153-001	04/15/2013	19:50	2.80		12.07		2.87		12.39	
S-15W_(0-2	03153-002	04/15/2013	20:07	2.80		12.07		2.87		12.39	
S-14S_(2.0	03153-003	04/15/2013	20:24	2.80		12.07		2.87		12.39	
S-15E_(0-2	03153-004	04/15/2013	20:41	2.79		12.07		2.87		12.39	
S-14W_(2.0	03153-007	04/15/2013	21:33	2.80		12.07		2.87		12.39	
S-13S_(4.0	03153-008	04/15/2013	21:50	2.79		12.06		2.87		12.39	
R-13E_(4.0	03153-009	04/15/2013	22:07	2.79		12.07		2.87		12.39	
S-13E_(2.0	03153-011	04/15/2013	22:42	2.79		12.06		2.87		12.39	
S-13E_(4.0	03153-012	04/15/2013	22:59	2.79		12.06		2.87		12.39	
S-13N_(4.0	03153-013	04/15/2013	23:16	2.79		12.07		2.87		12.39	
S-12E_(2.0	03153-015	04/15/2013	23:50	2.79		12.06		2.87		12.39	
PCB	03153-015MS	04/16/2013	00:08	2.79		12.07		2.87		12.39	
PCB	03153-015MSD	04/16/2013	00:25	2.79		12.07		2.87		12.39	
PCB	LCSS130409-10	04/16/2013	00:42	2.79		12.07		2.87		12.39	
T-14W_(2.0	03153-005	04/16/2013	10:34	0.00	D	0.00	D	0.00	D	0.00	D
S-14W_(0-2	03153-006	04/16/2013	10:51	0.00	D	0.00	D	0.00	D	0.00	D
S-13E_(0-2	03153-010	04/16/2013	11:09	2.79		12.06		2.87		12.39	
S-12E_(0-2	03153-014	04/16/2013	11:26	2.79		12.03		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 SAMPLE DATA

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7304.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 19:50
Operator : NG
Sample : S-15S_(0-2,03153-001,S,5.70g,12.1,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 15:44:41 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	2.80	2.87	17934.4E6	5443.2E6	183.948	131.066 #
Spiked Amount 200.000			Recovery	=	91.97%	65.53%
2) S DCB	12.07	12.39	5827.9E6	1790.1E6	167.033	182.426
Spiked Amount 200.000			Recovery	=	83.52%	91.21%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
18) L5 Aroclor-1242	4.08	4.70	50323188	9894417	1138.550m	642.863 #
19) L5 Aroclor-1242 {2}	5.01	5.44	71244773	29823489	46.401	880.094m#
20) L5 Aroclor-1242 {3}	5.33	6.04	65526162	51014083	59.845	112.207m#
21) L5 Aroclor-1242 {4}	6.03	6.19	186.8E6	39330664	48.768	171.880m#
22) L5 Aroclor-1242 {5}	6.30	6.74	164.9E6	92626037	191.504	46.335 #
Sum Aroclor-1242			538.8E6	222.7E6	1485.068	1853.379
Average Aroclor-1242					297.014	370.676
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

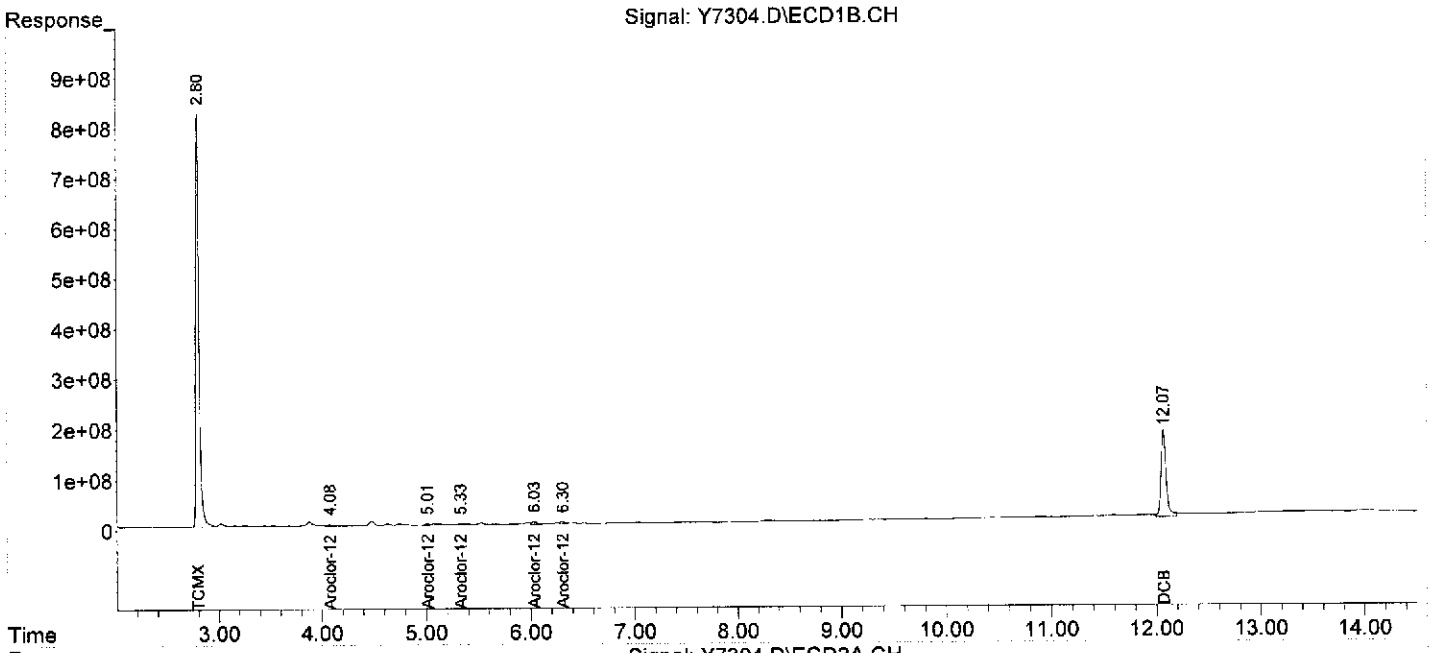
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

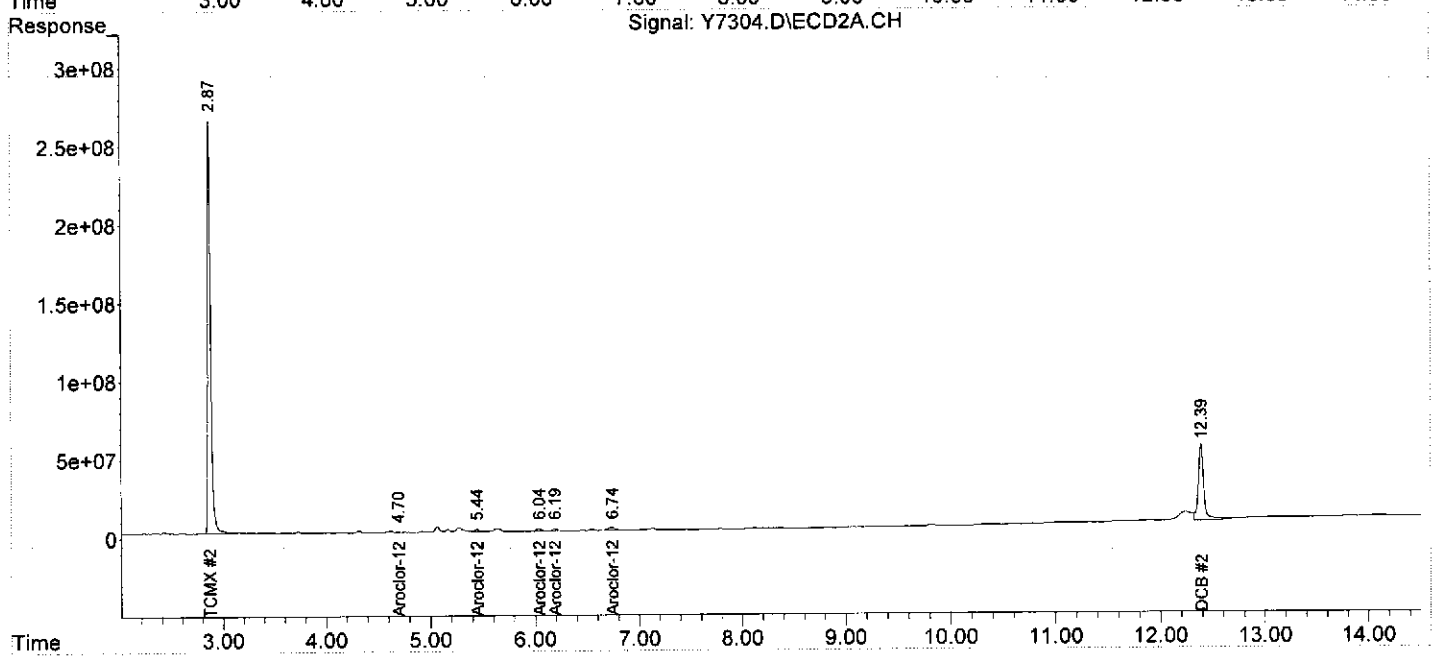
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7304.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 19:50
Operator : NG
Sample : S-15S_(0-2,03153-001,S,5.70g,12.1,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 15:44:41 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\04-15-13\
Data File : Y7305.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 20:07
Operator : NG
Sample : S-15W_(0-2,03153-002,S,5.46g,12.4,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:16:15 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	2.80	2.87	17934.4E6	5376.5E6	183.947	129.459 #
Spiked Amount 200.000			Recovery	=	91.97%	64.73%
2) S DCB	12.07	12.39	6605.8E6	2005.2E6	189.330	204.339
Spiked Amount 200.000			Recovery	=	94.67%	102.17%
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	0.00	4.70	0	9859227	N.D. d	640.576m#
19) L5 Aroclor-1242 {2}	5.01	0.00	111.0E6	0	72.319	N.D. d#
20) L5 Aroclor-1242 {3}	5.33	6.03	164.7E6	75966522	150.381	167.090m
21) L5 Aroclor-1242 {4}	6.03	6.19	334.2E6	65597653	87.261	286.670m#
22) L5 Aroclor-1242 {5}	6.30	6.74	275.5E6	126.9E6	319.947	63.470m#
Sum Aroclor-1242			885.5E6	278.3E6	629.908	1157.806
Average Aroclor-1242					157.477	289.452
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

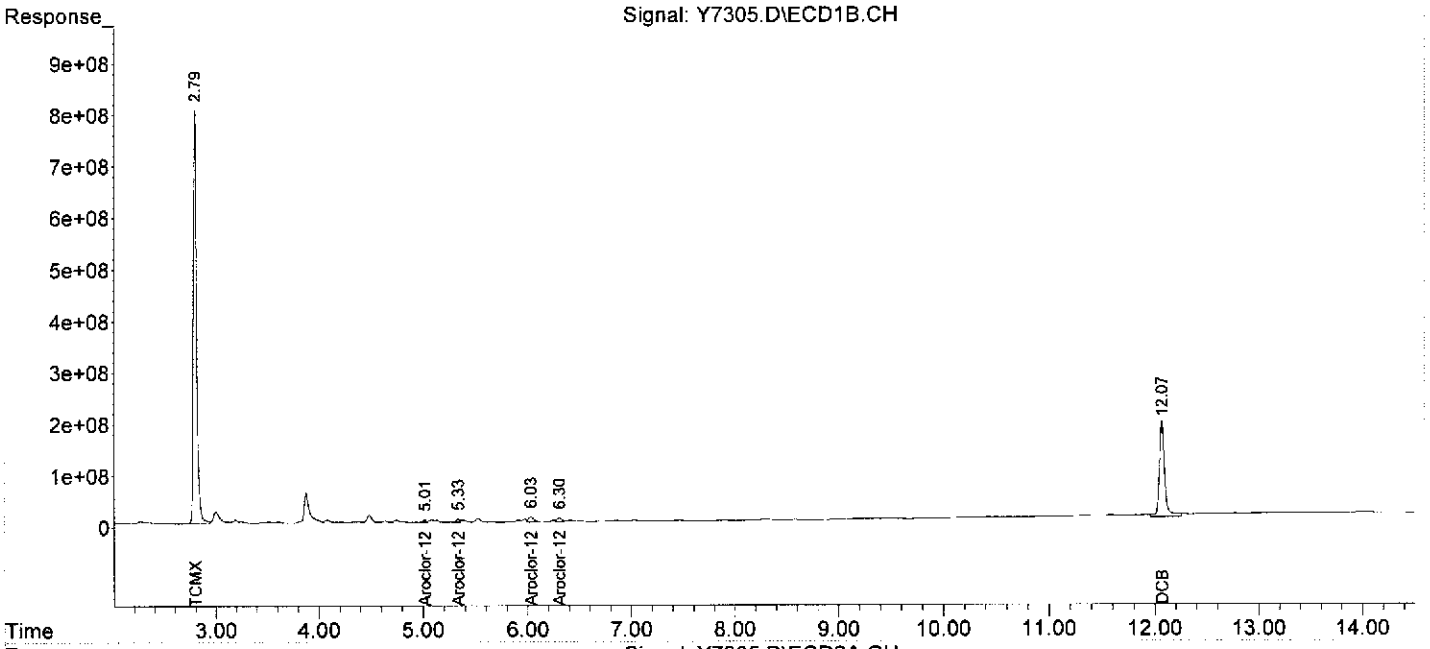
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

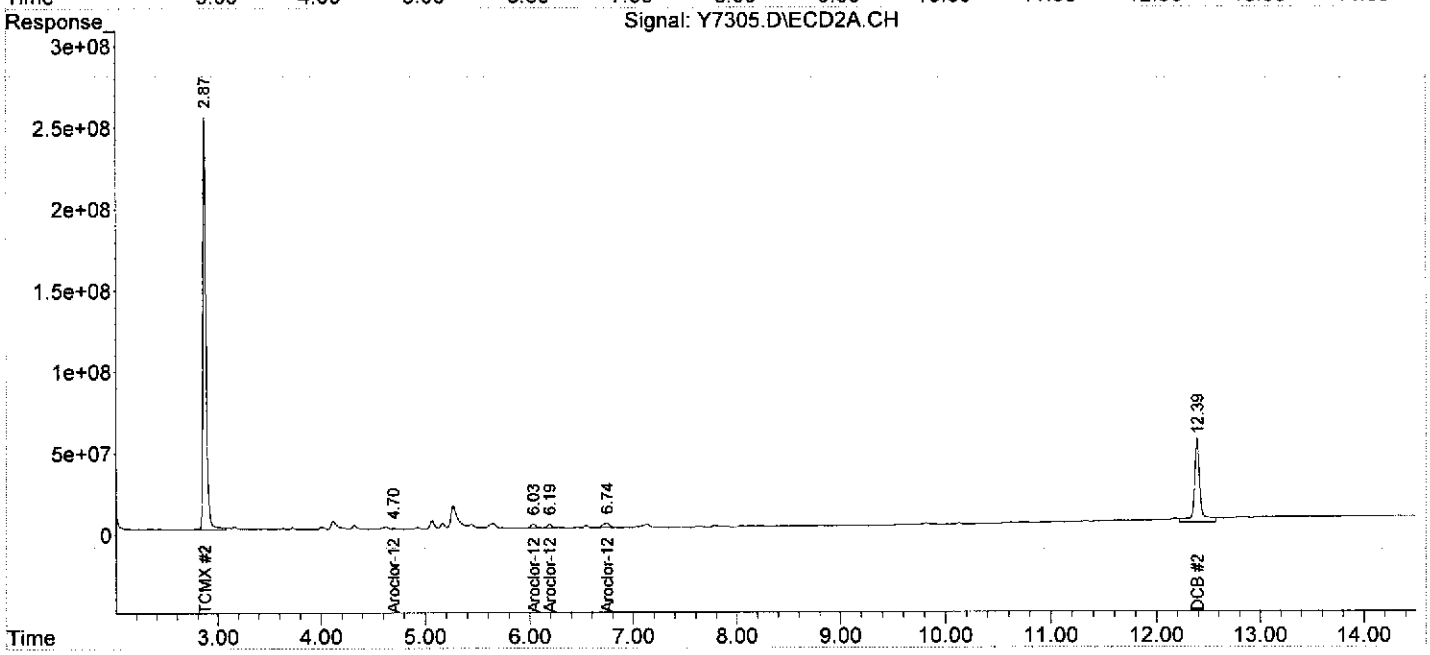
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7305.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 20:07
Operator : NG
Sample : S-15W_(0-2,03153-002,S,5.46g,12.4,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:16:15 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\04-15-13\
Data File : Y7306.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 20:24
Operator : NG
Sample : S-14S_(2.0,03153-003,S,5.48g,12.5,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:22:29 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	2.80	2.87	20244.0E6	5702.4E6	207.636	137.306 #
Spiked Amount 200.000			Recovery	=	103.82%	68.65%
2) S DCB	12.07	12.39	6133.3E6	2060.3E6	175.786	209.956
Spiked Amount 200.000			Recovery	=	87.89%	104.98%
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

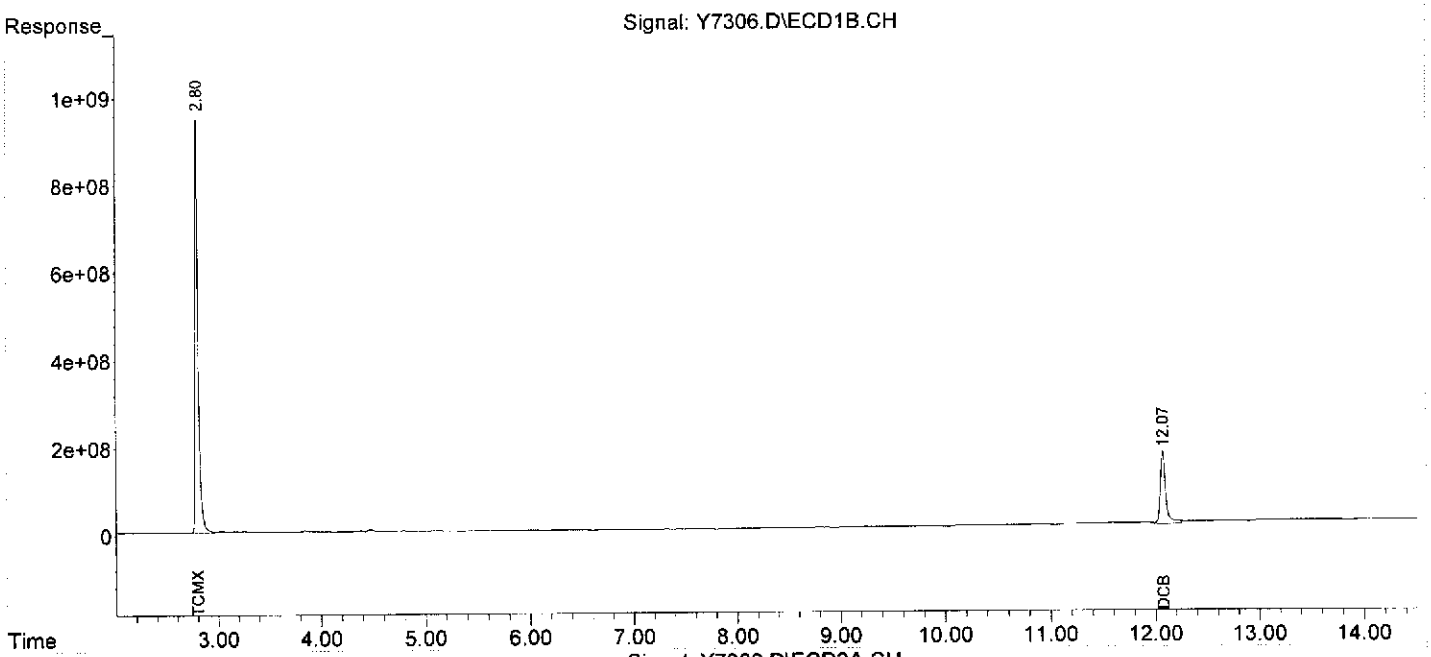
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

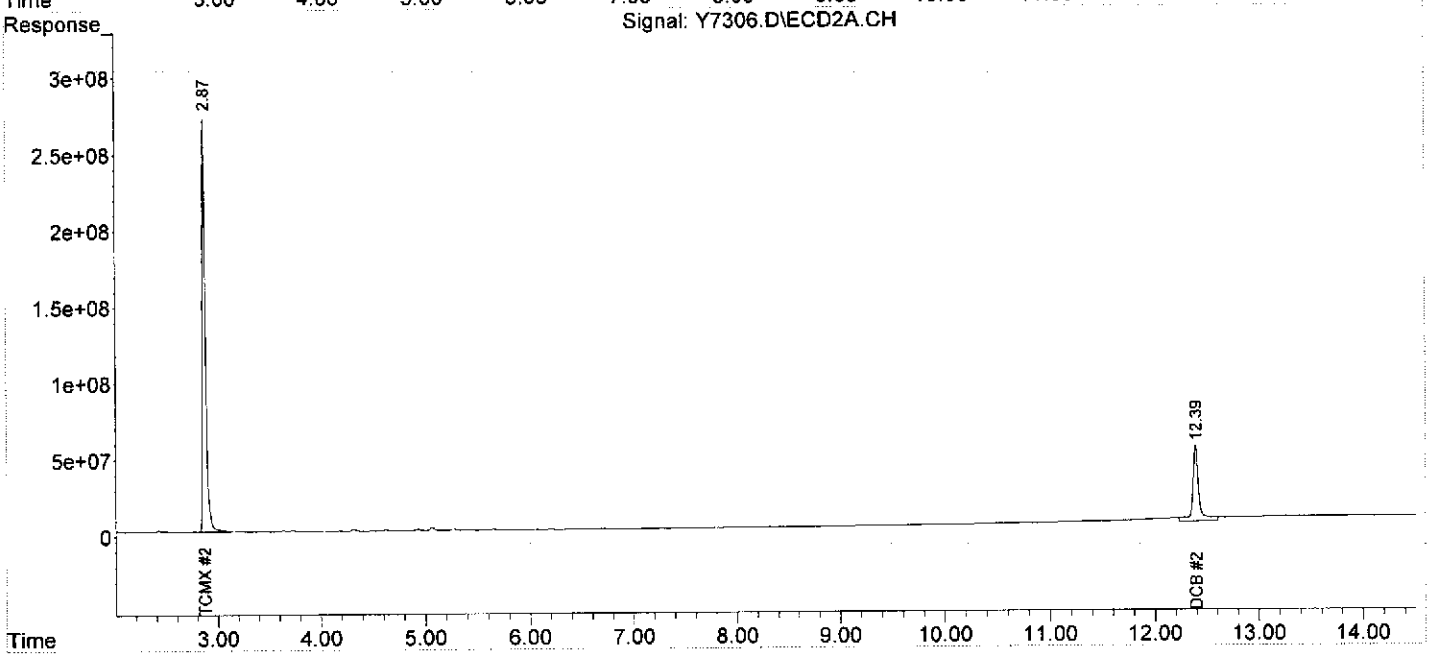
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7306.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 20:24
Operator : NG
Sample : S-14S_(2.0,03153-003,S,5.48g,12.5,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 17 11:22:29 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\04-15-13\
Data File : Y7307.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 20:41
Operator : NG
Sample : S-15E_(0-2,03153-004,S,5.40g,11.5,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,50
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 12:01:26 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	468.5E6	120.3E6	4.806	2.897 #
Spiked Amount 200.000			Recovery	=	2.40%	1.45%
2) S DCB	12.07	12.39	168.5E6	42908447	4.830m	4.373m
Spiked Amount 200.000			Recovery	=	2.42%	2.19%
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	1071.9E6	1176.1E6	506.941	537.630
25) L6 Aroclor-1248 {3}	5.33	6.04	734.3E6	464.4E6	261.515	301.856
26) L6 Aroclor-1248 {4}	6.03	6.19	782.4E6	475.3E6	156.817	339.269 #
27) L6 Aroclor-1248 {5}	6.30	6.54	807.2E6	106.4E6	210.100	144.776 #
Sum Aroclor-1248			3395.8E6	2222.2E6	1135.373	1323.532
Average Aroclor-1248					283.843	330.883
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

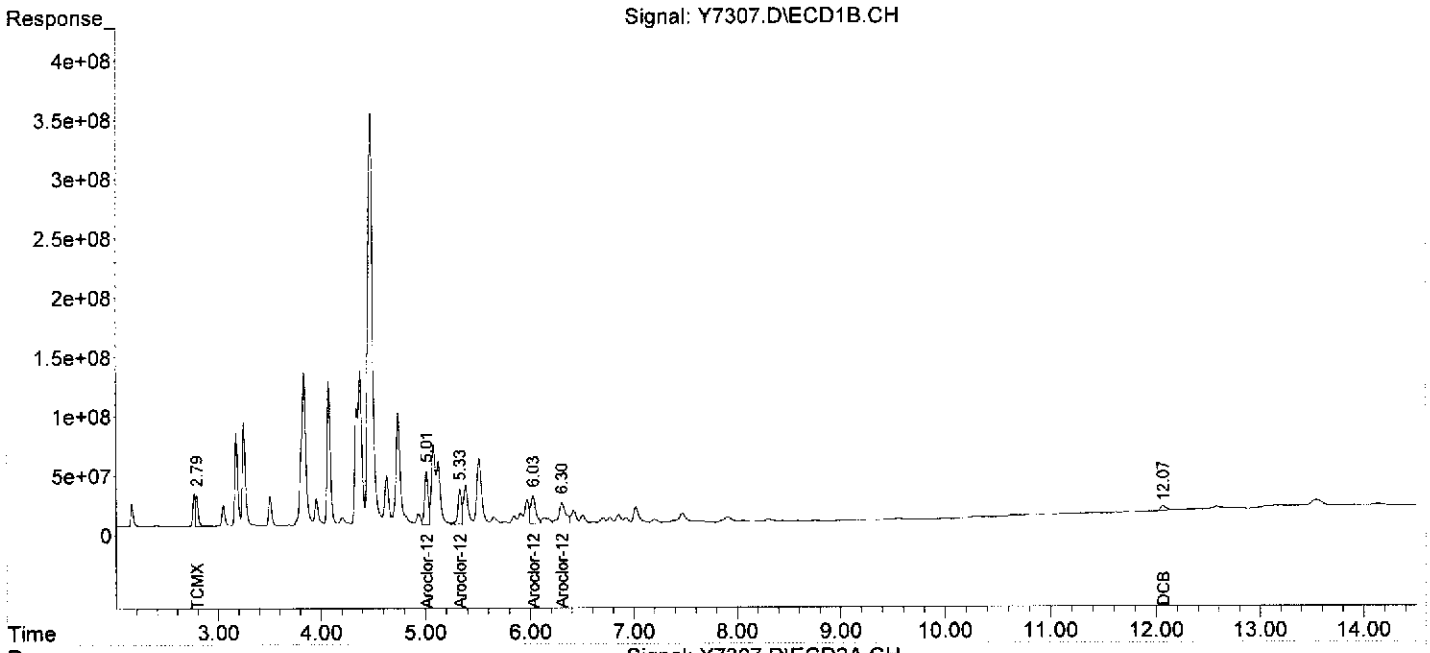
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

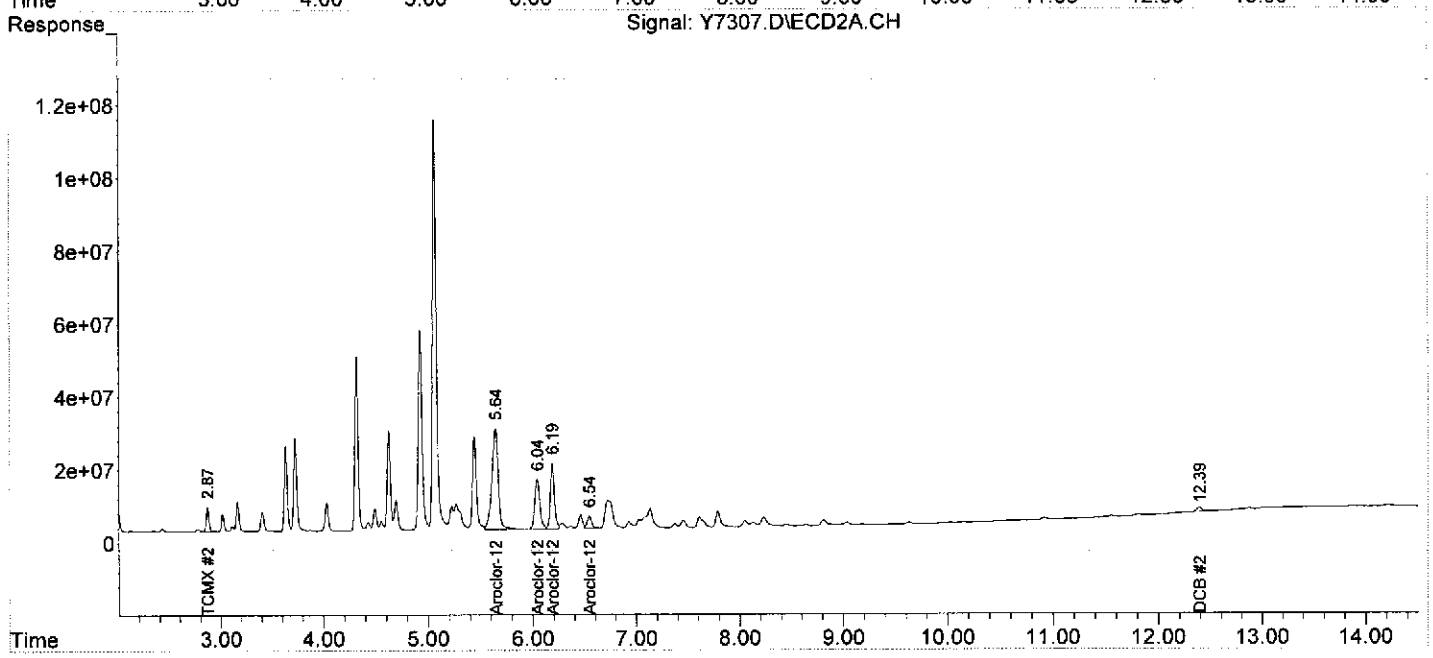
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7307.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 20:41
Operator : NG
Sample : S-15E_(0-2,03153-004,S,5.40g,11.5,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,50
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 12:01:26 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\04-16-13\
Data File : Y7353.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 10:34
Operator : NG
Sample : T-14W_(2.0,03153-005,S,5.51g,17.4,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1000
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 12:28:14 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						
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
19) L5 Aroclor-1242 {2}	5.01	0.00	653.7E6	0	425.736	N.D. d#
20) L5 Aroclor-1242 {3}	5.33	6.04	712.0E6	376.6E6	650.271	828.267 #
21) L5 Aroclor-1242 {4}	6.03	6.19	1592.5E6	293.2E6	415.775	1281.424 #
22) L5 Aroclor-1242 {5}	6.31	6.74	858.8E6	724.5E6	997.276	362.439 #
Sum Aroclor-1242			3817.1E6	1394.3E6	2489.058	2472.129
Average Aroclor-1242					622.265	824.043
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

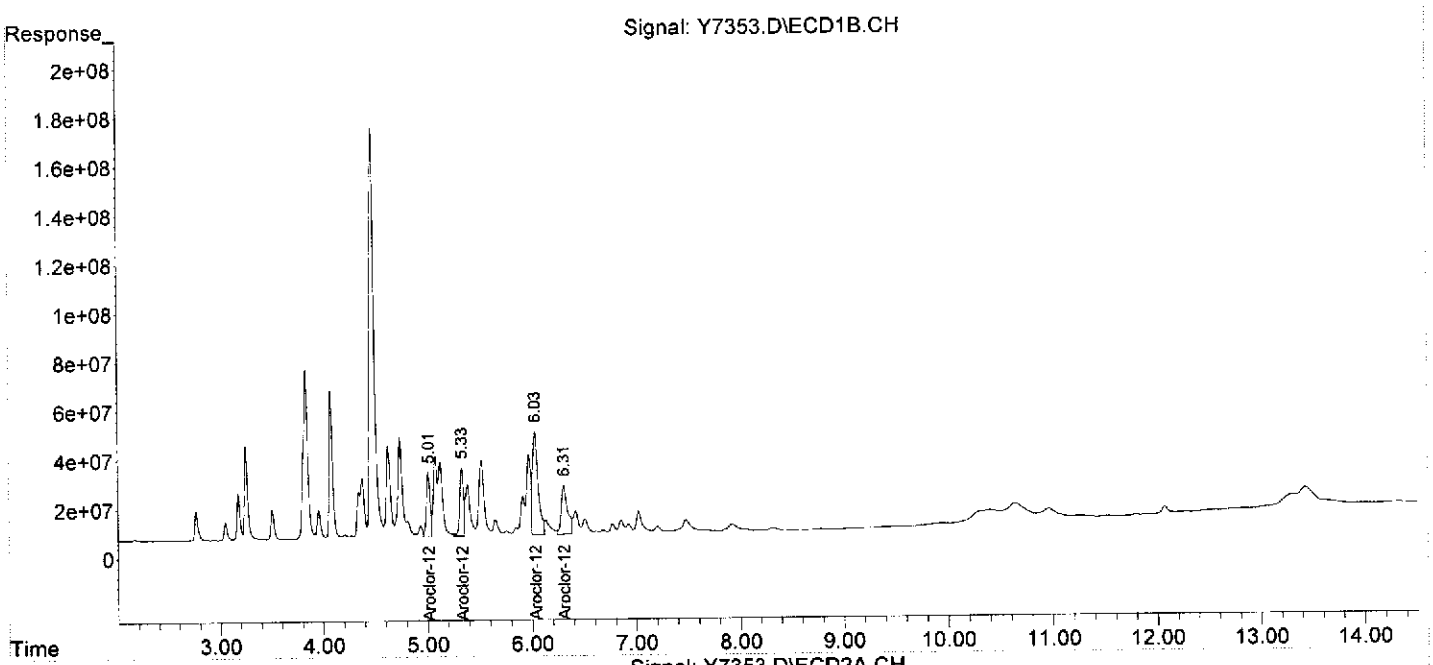
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

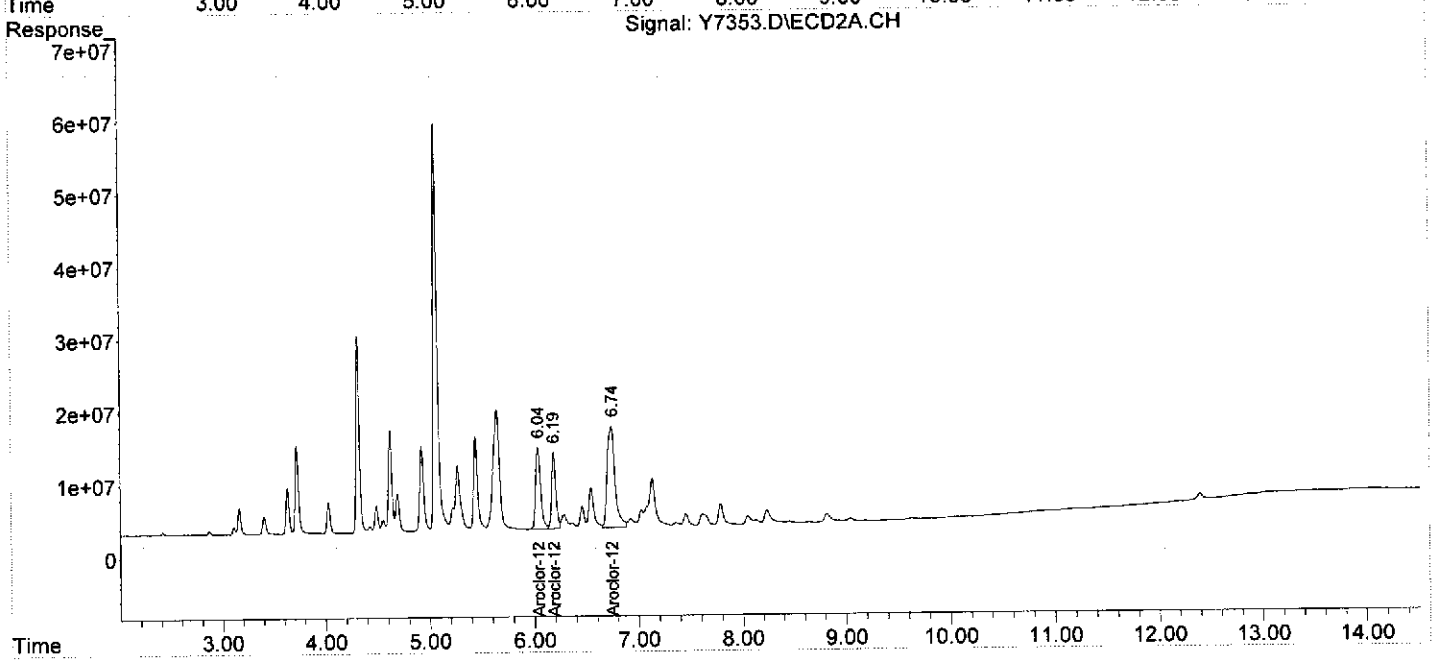
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-16-13\
Data File : Y7353.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 10:34
Operator : NG
Sample : T-14W_(2.0,03153-005,S,5.51g,17.4,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1000
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 12:28:14 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\04-16-13\
Data File : Y7354.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 10:51
Operator : NG
Sample : S-14W_(0-2,03153-006,S,5.07g,11.9,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1000
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 12:24:56 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						
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
19) L5 Aroclor-1242 {2}	5.01	0.00	516.2E6	0	336.183	N.D. d#
20) L5 Aroclor-1242 {3}	5.33	6.04	444.1E6	289.2E6	405.619	636.057 #
21) L5 Aroclor-1242 {4}	6.03	6.19	1128.9E6	221.9E6	294.732	969.939 #
22) L5 Aroclor-1242 {5}	6.31	6.75	402.3E6	419.0E6	467.140	209.618 #
Sum Aroclor-1242			2491.5E6	930.2E6	1503.674	1815.613
Average Aroclor-1242					375.918	605.204
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

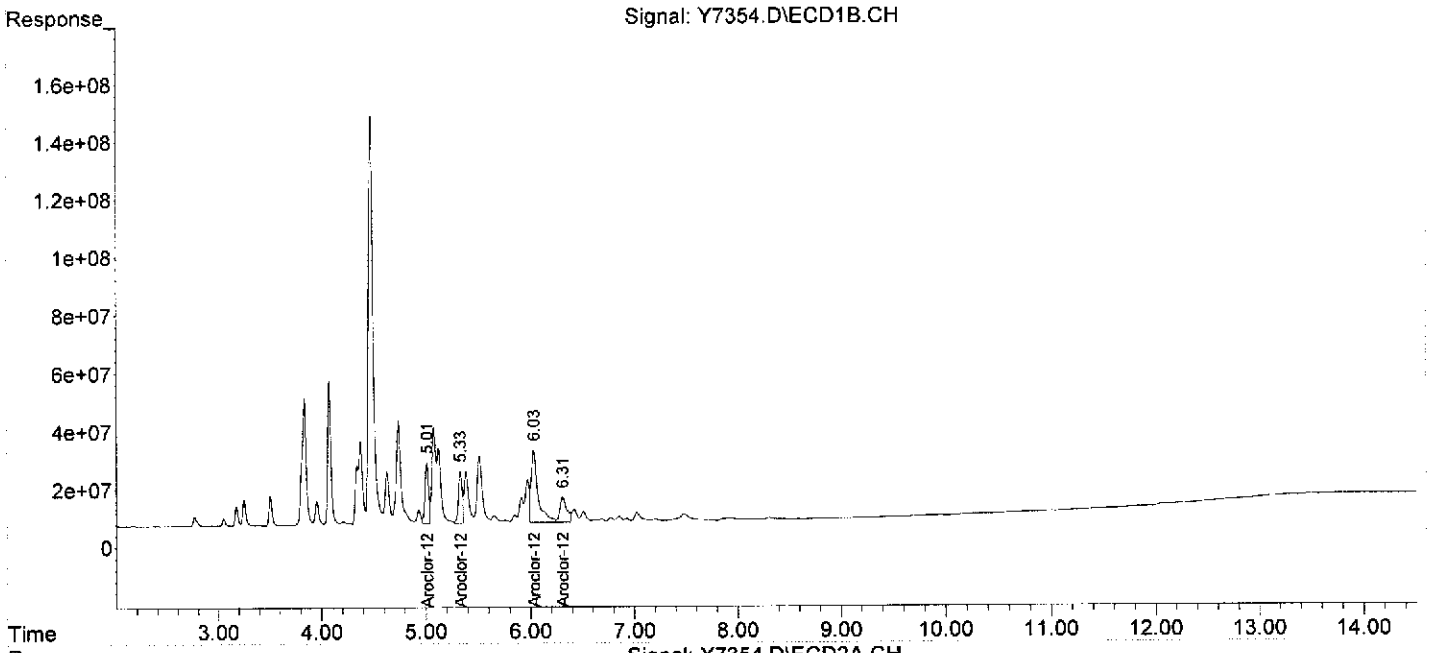
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

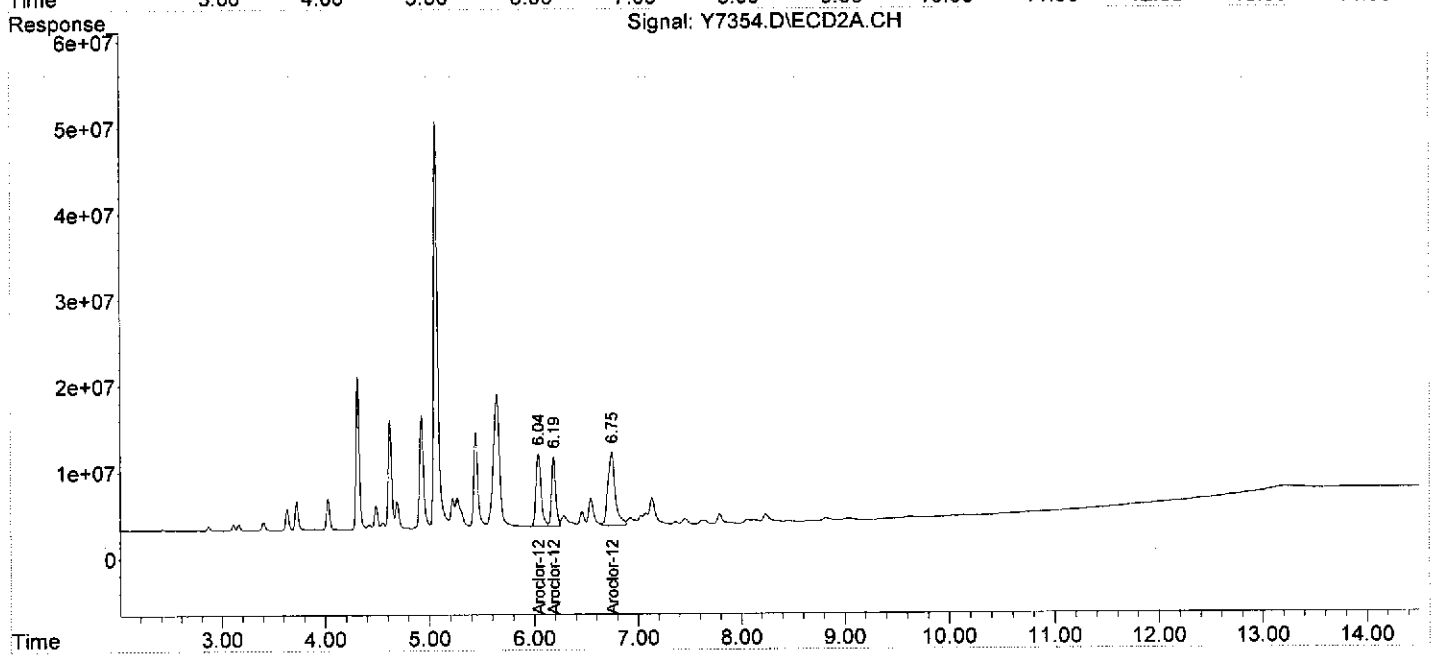
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-16-13\
Data File : Y7354.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 10:51
Operator : NG
Sample : S-14W_(0-2,03153-006,S,5.07g,11.9,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1000
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 12:24:56 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\04-15-13\
Data File : Y7310.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 21:33
Operator : NG
Sample : S-14W_(2.0,03153-007,S,5.33g,24.1,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:26:06 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	2.80	2.87	20198.0E6	5596.6E6	207.165	134.759 #
Spiked Amount 200.000			Recovery	=	103.58%	67.38%
2) S DCB	12.07	12.39	6930.2E6	1958.9E6	198.625	199.622
Spiked Amount 200.000			Recovery	=	99.31%	99.81%
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	0.00	4.69	0	11499866	N.D. d	747.172m#
19) L5 Aroclor-1242 {2}	5.01	5.44	66707824	29803672	43.446	879.510m#
20) L5 Aroclor-1242 {3}	5.33	6.04	69365604	33837562	63.352	74.427m
21) L5 Aroclor-1242 {4}	6.03	6.19	147.5E6	25816419	38.505	112.821m#
22) L5 Aroclor-1242 {5}	6.31	6.75	71821909	73119614	83.399	36.577 #
Sum Aroclor-1242			355.4E6	174.1E6	228.702	1850.507
Average Aroclor-1242					57.175	370.101
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

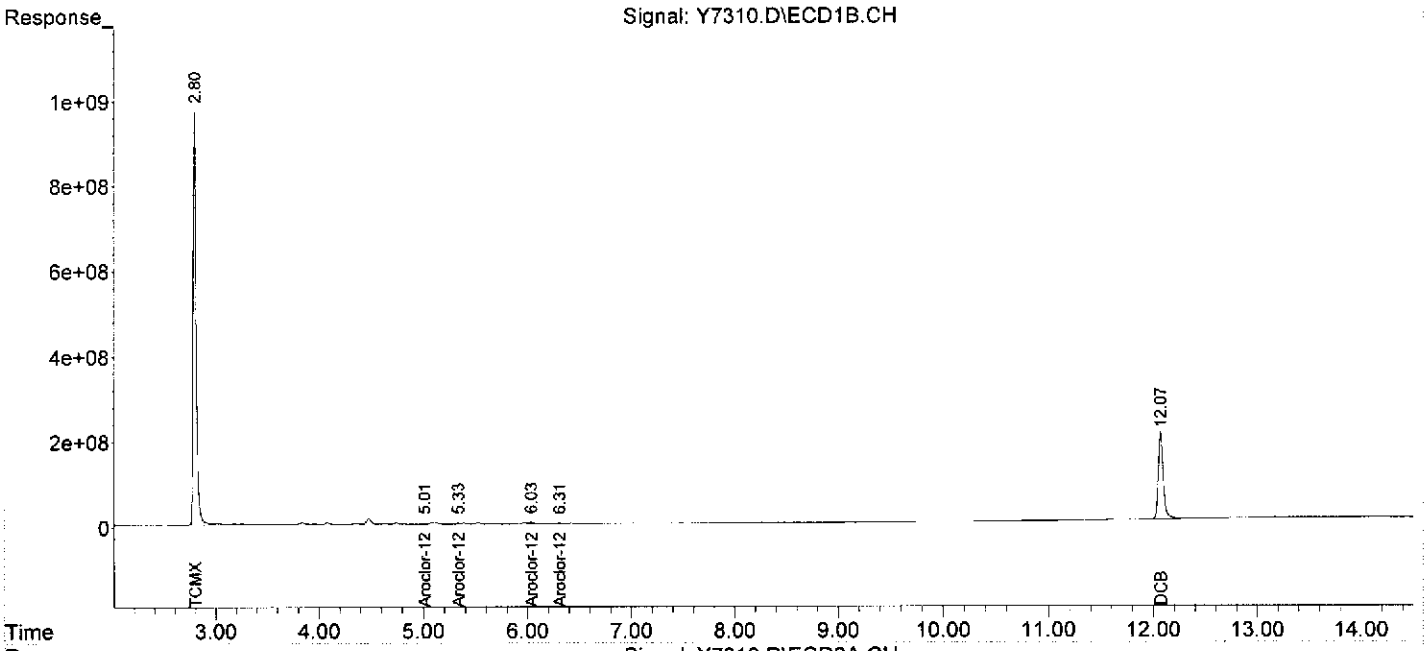
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

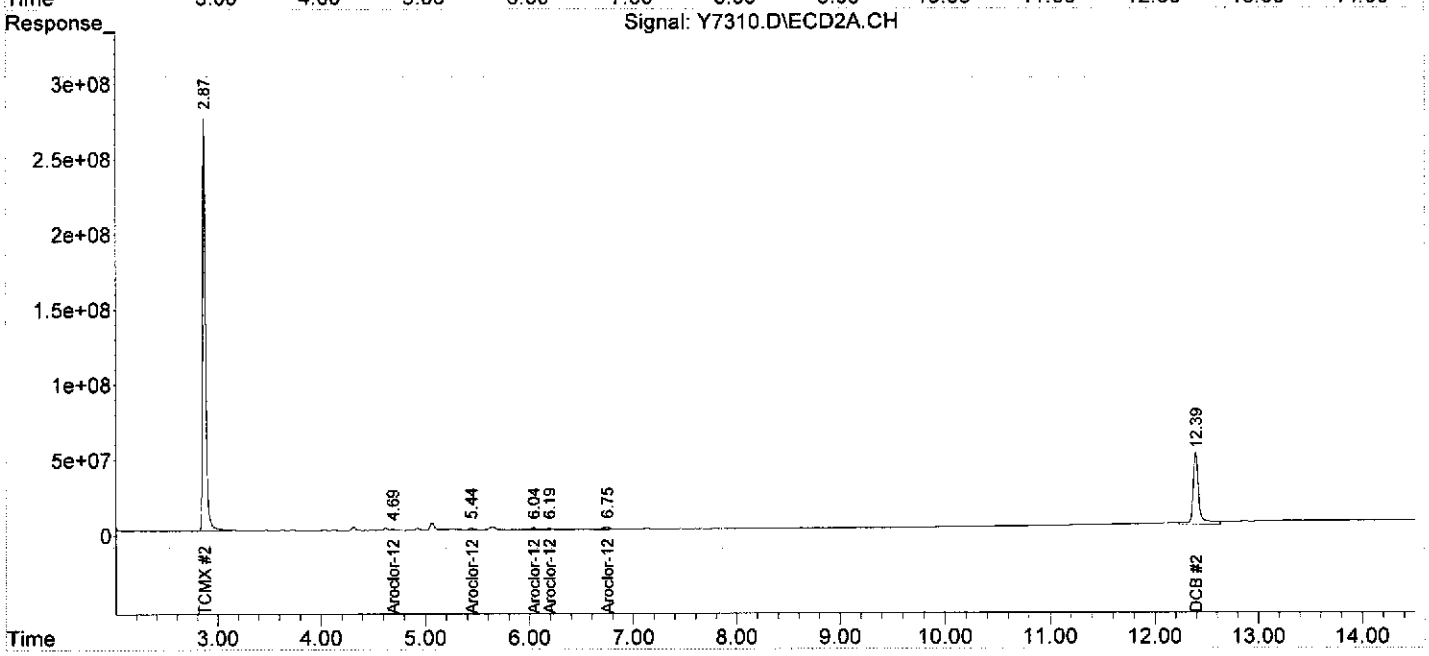
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7310.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 21:33
Operator : NG
Sample : S-14W_(2.0,03153-007,S,5.33g,24.1,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:26:06 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\04-15-13\
Data File : Y7311.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 21:50
Operator : NG
Sample : S-13S_(4.0,03153-008,S,5.40g,32.7,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,50
ALS Vial : 78 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:29:40 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	483.2E6	119.7E6	4.956	2.882 #
Spiked Amount 200.000			Recovery	=	2.48%	1.44%
2) S DCB	12.06	12.39	348.2E6	36203013	9.980m	3.689m#
Spiked Amount 200.000			Recovery	=	4.99%	1.84%
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	3434.8E6	2968.9E6	1624.409	1357.133
25) L6 Aroclor-1248 {3}	5.33	6.04	2873.5E6	1354.6E6	1023.334	880.445
26) L6 Aroclor-1248 {4}	6.03	6.19	5625.8E6	1134.2E6	1127.615	809.626 #
27) L6 Aroclor-1248 {5}	6.31	6.54	3084.8E6	561.0E6	802.925	763.531
Sum Aroclor-1248			15019.0E6	6018.6E6	4578.282	3810.736
Average Aroclor-1248					1144.571	952.684
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

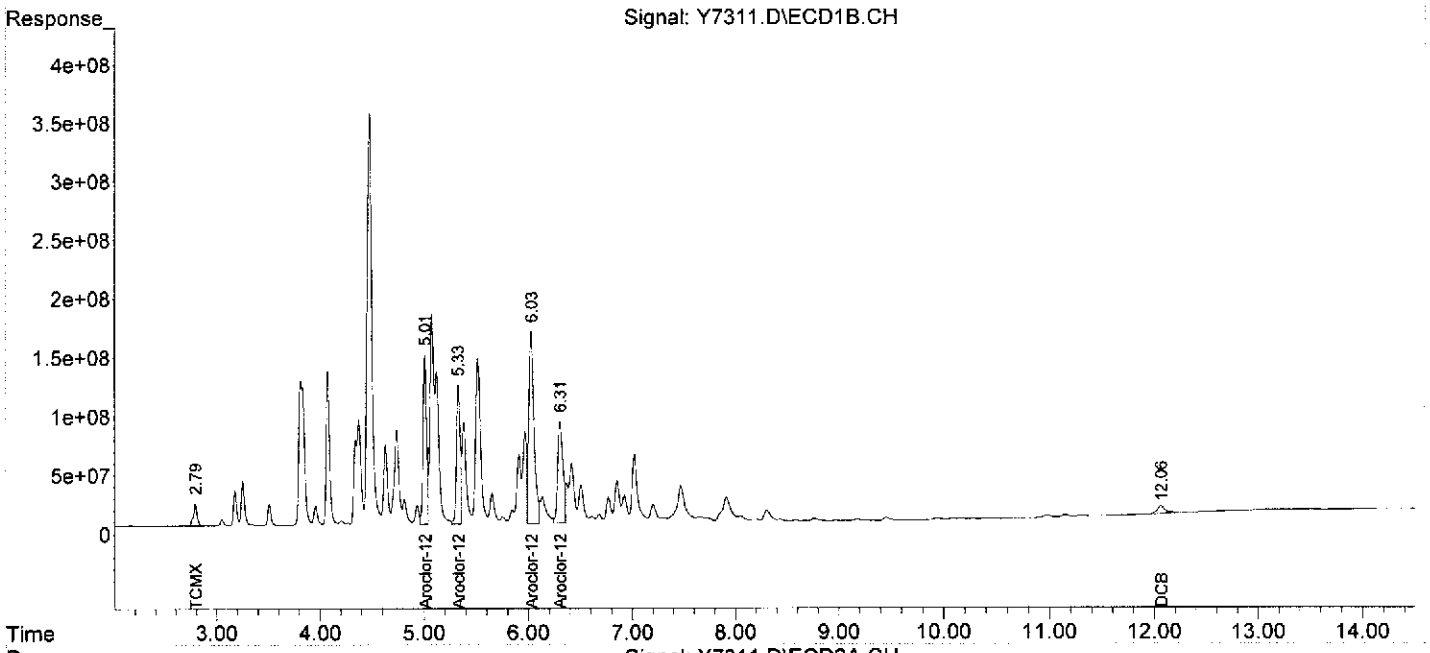
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

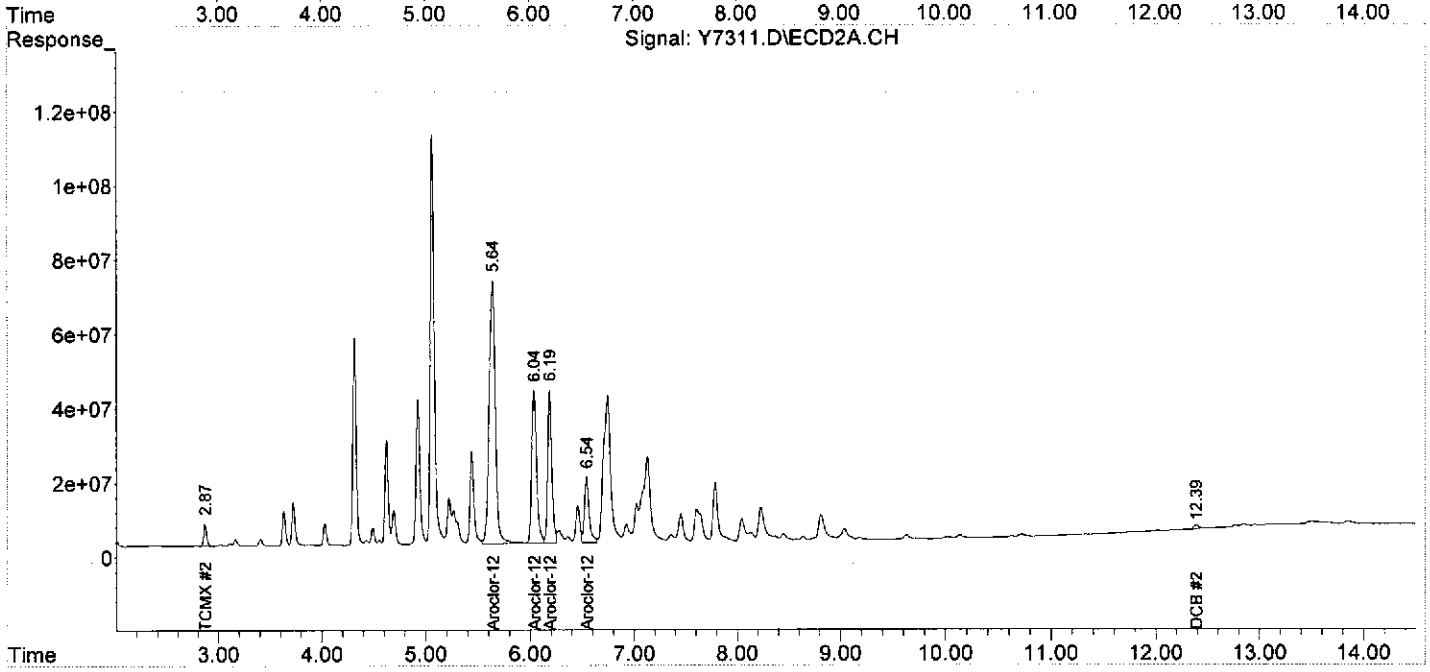
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7311.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 21:50
Operator : NG
Sample : S-13S_(4.0,03153-008,S,5.40g,32.7,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,50
ALS Vial : 78 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:29:40 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\04-15-13\
Data File : Y7312.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 22:07
Operator : NG
Sample : R-13E_(4.0,03153-009,S,5.10g,15.3,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 79 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:32:15 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Wed Jan 02 16:03:06 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	20117.5E6	5977.9E6	199.456	182.182
Spiked Amount 200.000			Recovery	=	99.73%	91.09%
2) S DCB	12.07	12.39	8248.8E6	1984.1E6	239.644	250.785
Spiked Amount 200.000			Recovery	=	119.82%	125.39%
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
18) L5 Aroclor-1242	4.08	4.70	111.4E6	15661732	43.750	32.124 #
19) L5 Aroclor-1242 {2}	0.00	5.44	0	54290060	N.D. d	65.626 #
20) L5 Aroclor-1242 {3}	5.33	6.04	238.7E6	144.4E6	106.927	131.618
21) L5 Aroclor-1242 {4}	6.03	6.19	325.2E6	82452319	88.420	89.997
22) L5 Aroclor-1242 {5}	6.31	6.74	246.3E6	146.8E6	75.643	83.958
Sum Aroclor-1242			921.7E6	443.6E6	314.739	403.323
Average Aroclor-1242					78.685	80.665
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

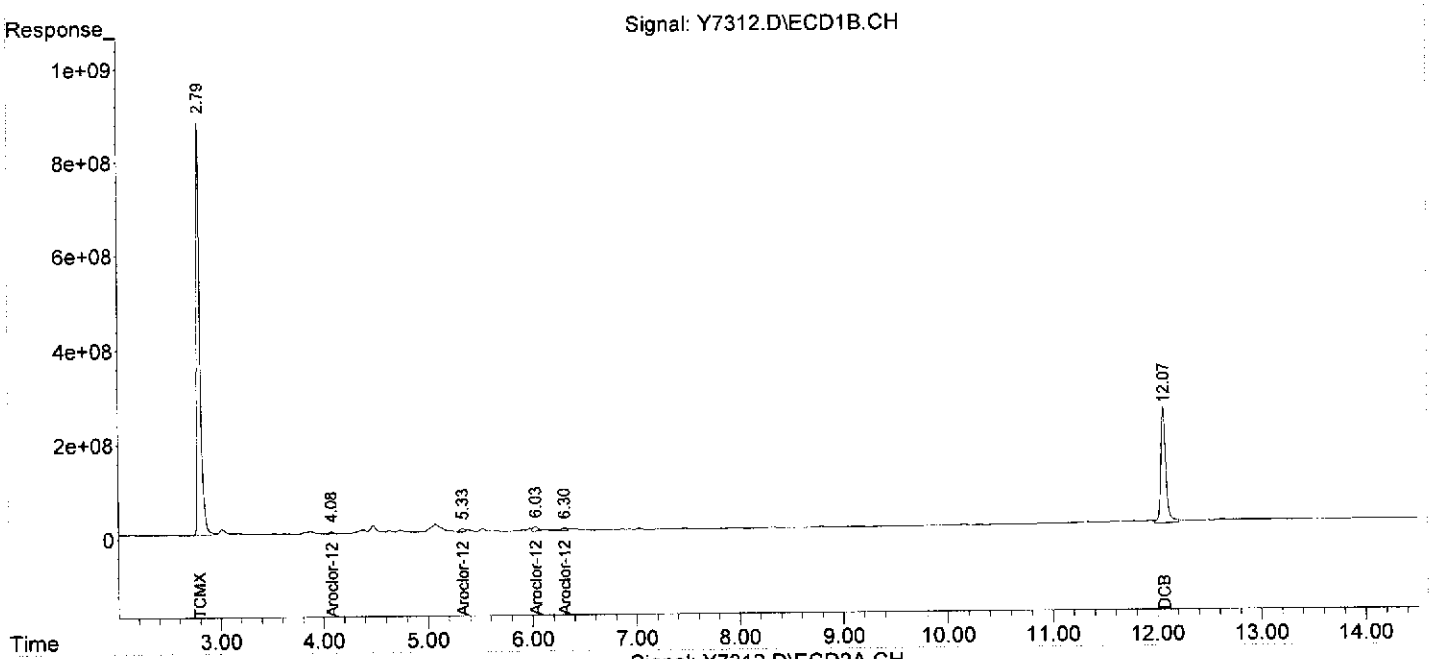
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

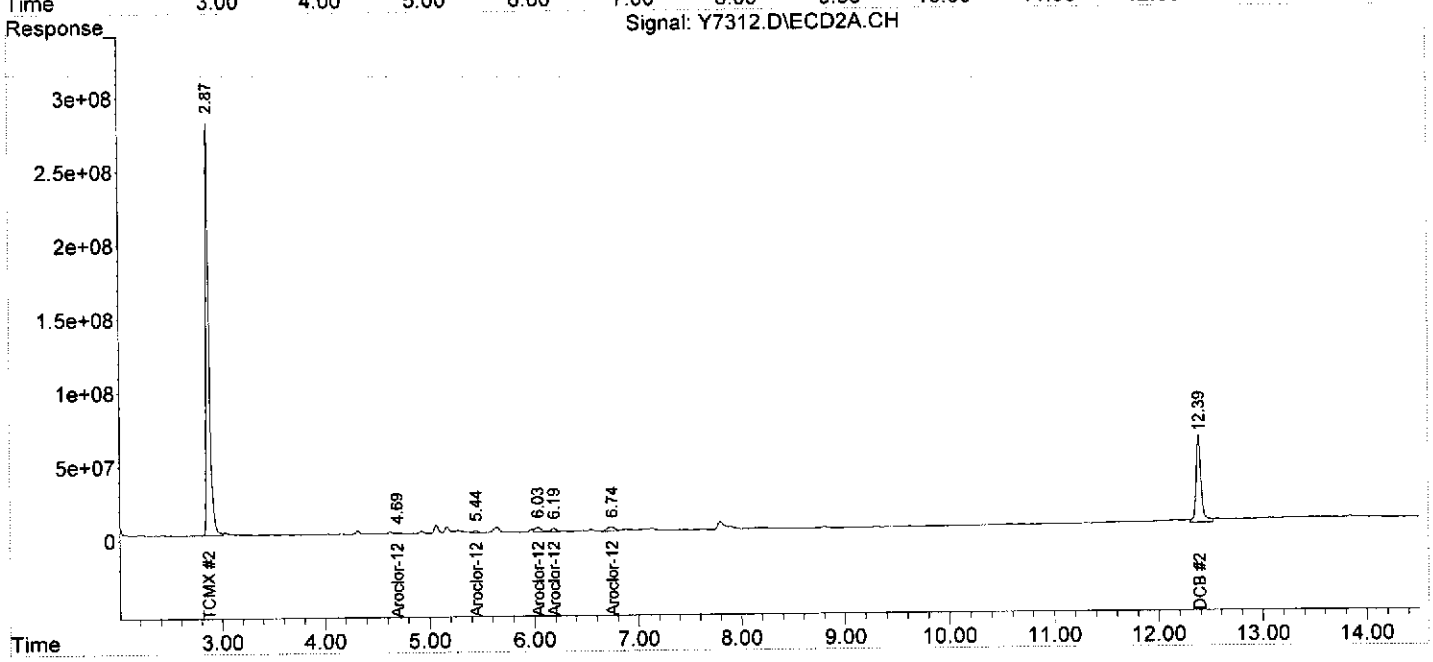
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7312.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 22:07
Operator : NG
Sample : R-13E_(4.0,03153-009,S,5.10g,15.3,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 79 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:32:15 2013
Quant Method : C:\MSDCHEM\1\METHODS\YPCB0412.M
Quant Title :
QLast Update : Wed Jan 02 16:03:06 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 : Y7355.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 11:09
Operator : NG
Sample : S-13E_(0-2,03153-010,S,5.54g,16.0,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,100
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 12:25:43 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	180.5E6	62381902	1.852	1.502
Spiked Amount 200.000			Recovery	=	0.93%	0.75%
2) S DCB	12.06	12.39	145.8E6	17978662	4.179m	1.832m#
Spiked Amount 200.000			Recovery	=	2.09%	0.92%
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	4.49	5.07	1074.5E6	334.0E6	292.002	233.098
24) L6 Aroclor-1248 {2}	5.01	5.64	868.4E6	857.6E6	410.665	392.034
25) L6 Aroclor-1248 {3}	5.33	6.04	1261.0E6	659.0E6	449.075	428.305
26) L6 Aroclor-1248 {4}	6.03	6.19	2810.0E6	543.6E6	563.217	388.048 #
27) L6 Aroclor-1248 {5}	6.31	6.54	2372.5E6	344.1E6	617.519	468.391
Sum Aroclor-1248			8386.4E6	2738.3E6	2332.477	1909.877
Average Aroclor-1248					466.495	381.975
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

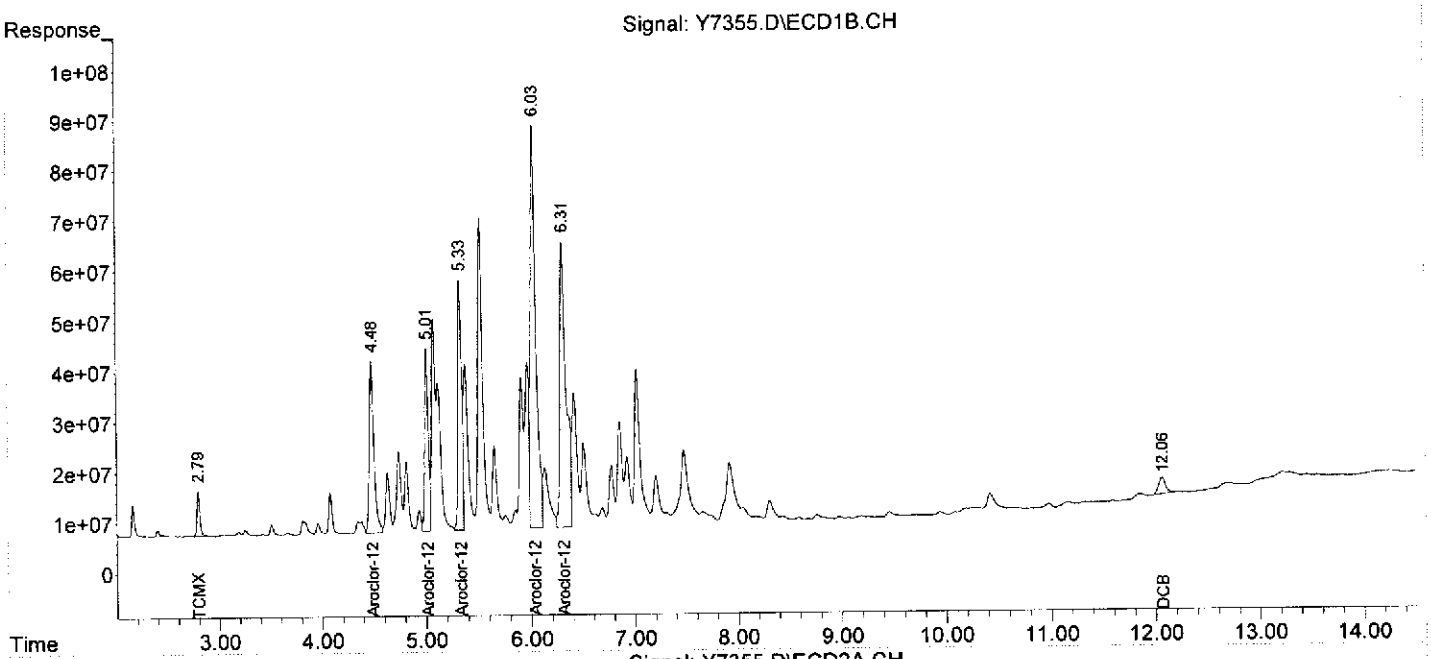
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

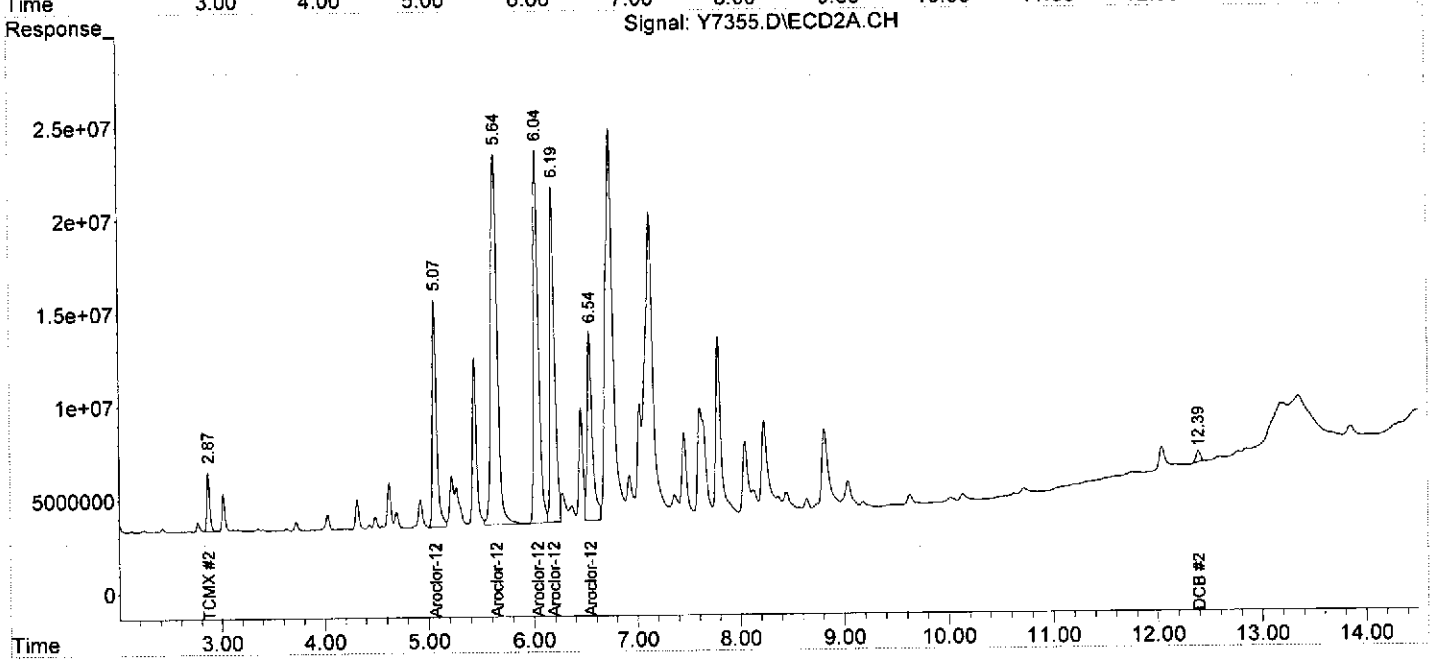
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-16-13\
Data File : Y7355.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 11:09
Operator : NG
Sample : S-13E_(0-2,03153-010,S,5.54g,16.0,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,100
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 12:25:43 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\04-15-13\
Data File : Y7314.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 22:42
Operator : NG
Sample : S-13E_(2.0,03153-011,S,5.24g,12.7,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,5
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:36:06 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	4049.7E6	1127.2E6	41.536	27.143 #
Spiked Amount 200.000			Recovery	=	20.77%	13.57%
2) S DCB	12.06	12.39	2262.5E6	353.2E6	64.844m	35.996m#
Spiked Amount 200.000			Recovery	=	32.42%	18.00%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
25) L6 Aroclor-1248 {3}	5.33	6.04	2984.8E6	1857.5E6	1062.962	1207.291m
26) L6 Aroclor-1248 {4}	6.03	6.19	1750.4E6	1702.4E6	350.837	1215.244m#
27) L6 Aroclor-1248 {5}	6.32	6.54	1486.5E6	211.0E6	386.916	287.194 #
Sum Aroclor-1248			6221.7E6	3770.8E6	1800.716	2709.729
Average Aroclor-1248					600.239	903.243
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

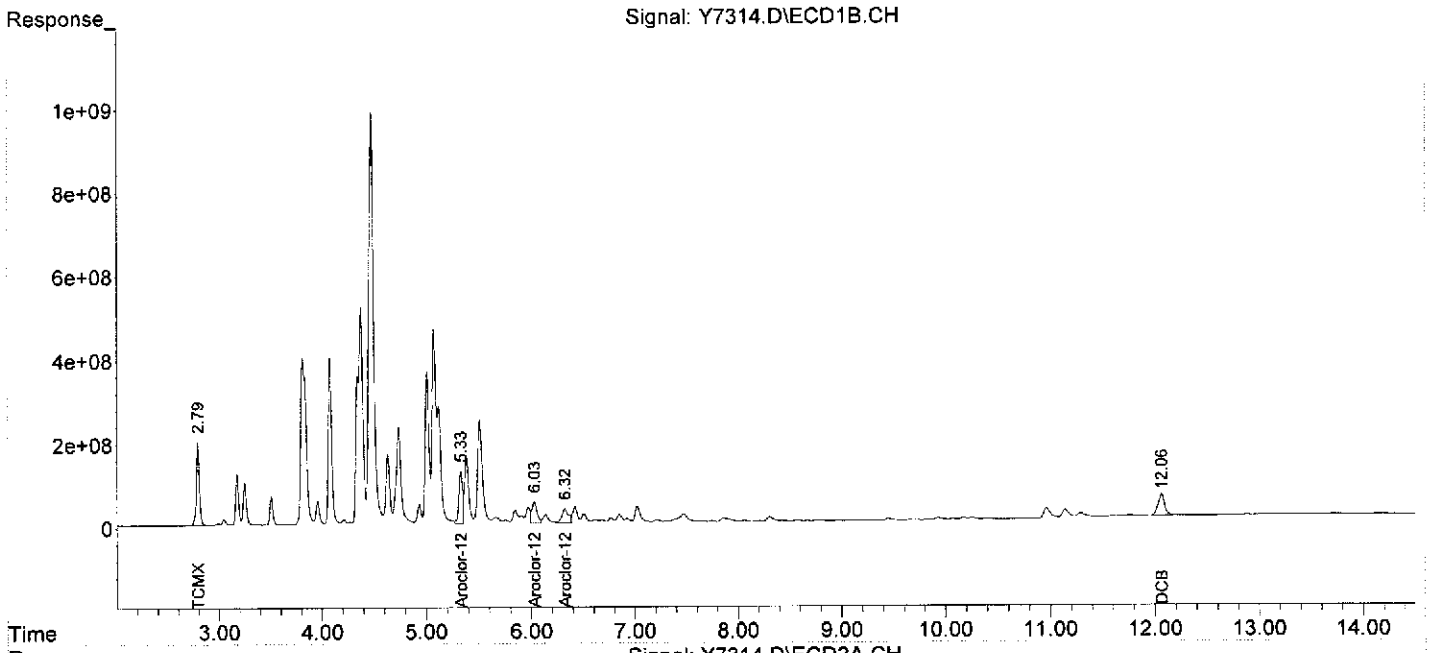
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

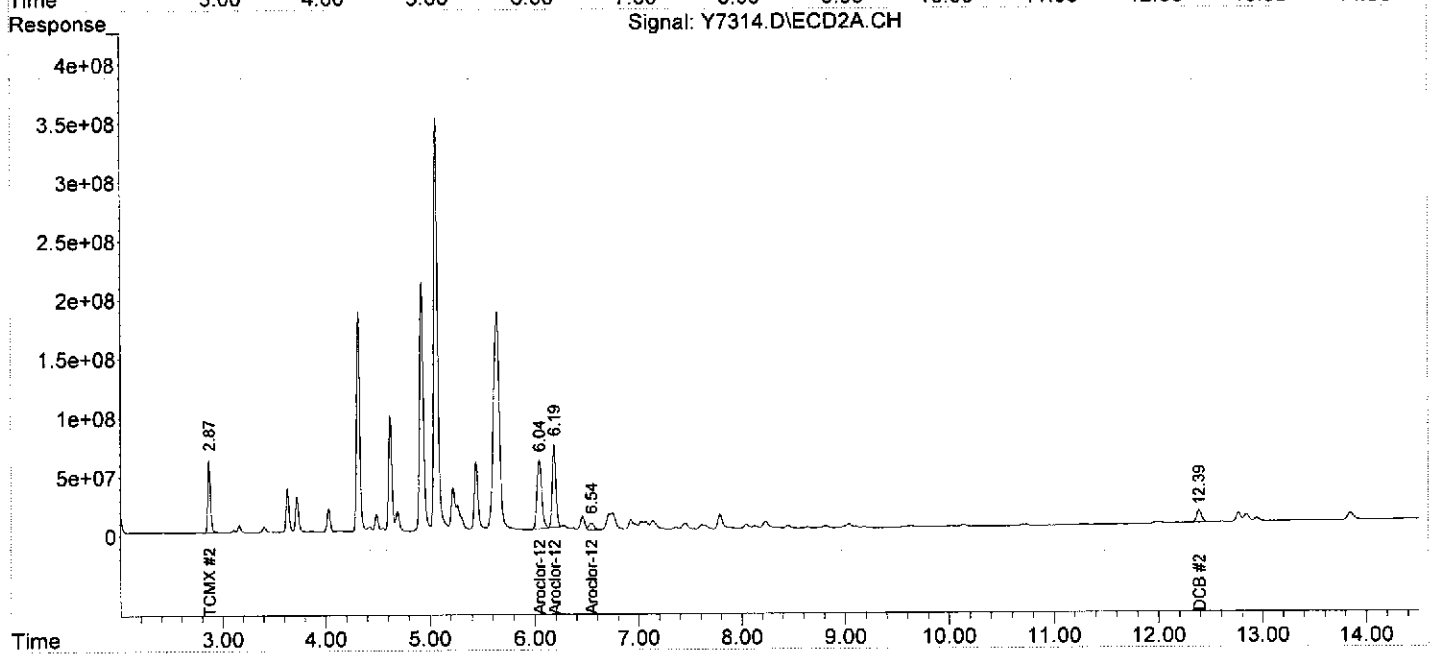
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7314.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 22:42
Operator : NG
Sample : S-13E_(2.0,03153-011,S,5.24g,12.7,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,5
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:36:06 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\04-15-13\
Data File : Y7315.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 22:59
Operator : NG
Sample : S-13E_(4.0,03153-012,S,5.45g,18.5,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:40:49 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 #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	14767.0E6	4779.2E6	151.460	115.077
Spiked Amount 200.000			Recovery	=	75.73%	57.54%
2) S DCB	12.06	12.39	8385.6E6	1599.8E6	240.338m	163.034m#
Spiked Amount 200.000			Recovery	=	120.17%	81.52%
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
25) L6 Aroclor-1248 {3}	5.33	6.05	3759.5E6	1151.6E6	1338.872	748.493m#
26) L6 Aroclor-1248 {4}	6.03	6.18	1903.0E6	1685.3E6	381.422	1203.024m#
27) L6 Aroclor-1248 {5}	6.32	6.54	2150.0E6	305.7E6	559.602	416.057m#
Sum Aroclor-1248			7812.5E6	3142.5E6	2279.895	2367.573
Average Aroclor-1248					759.965	789.191
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

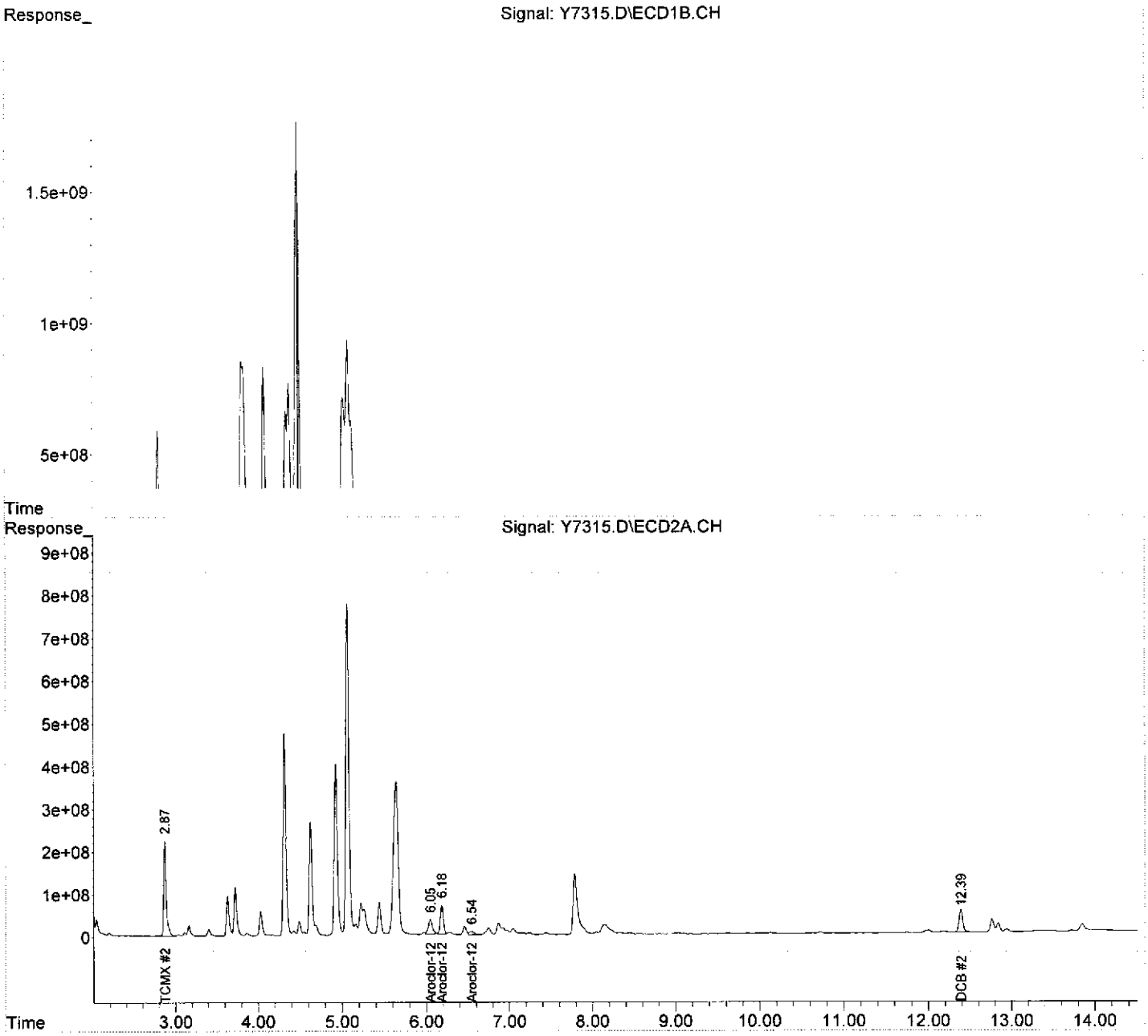
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

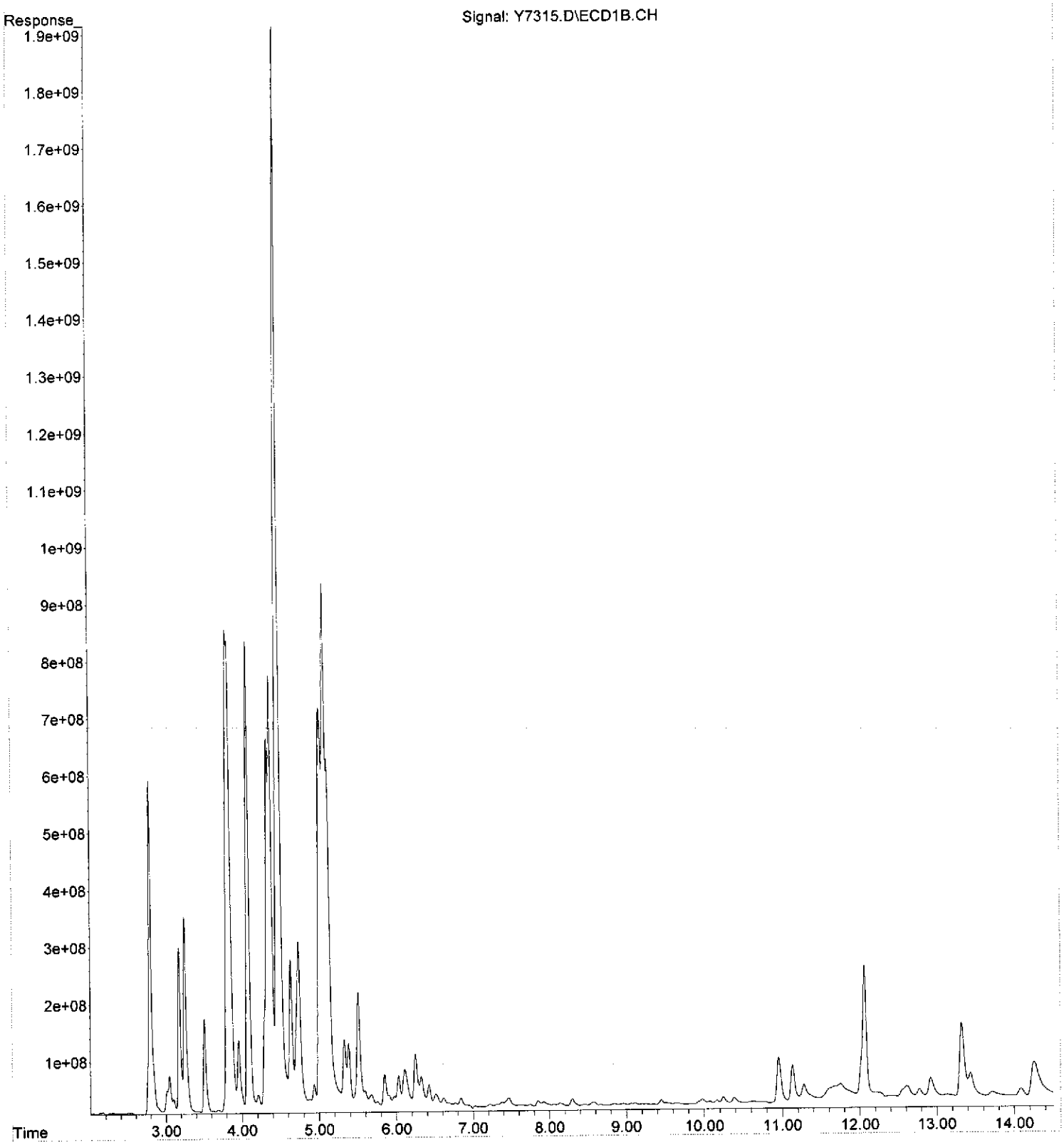
Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7315.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 22:59
Operator : NG
Sample : S-13E_(4.0,03153-012,S,5.45g,18.5,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 82 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:40:49 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 #2 Phase:
Signal #1 Info : Signal #2 Info :



File :C:\MSDChem\1\DATA\04-15-13\Y7315.D
Operator : NG
Acquired : 15 Apr 2013 22:59 using AcqMethod YPCB0412.M
Instrument : GC-Y
Sample Name: S-13E_(4.0,03153-012,S,5.45g,18.5,04/09/13,4
Misc Info : 130409-10,04/08/13,04/08/13,1
Vial Number: 82



Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7316.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 23:16
Operator : NG
Sample : S-13N_(4.0,03153-013,S,5.76g,17.3,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:44:06 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	9947.0E6	4647.5E6	102.023	111.907
Spiked Amount 200.000			Recovery	=	51.01%	55.95%
2) S DCB	12.07	12.39	5748.7E6	1908.8E6	164.764m	194.523m
Spiked Amount 200.000			Recovery	=	82.38%	97.26%
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
19) L5 Aroclor-1242 {2}	5.06	0.00	1493.1E6	0	972.465m	N.D. d#
20) L5 Aroclor-1242 {3}	5.33	6.04	431.6E6	244.5E6	394.192m	537.784m#
21) L5 Aroclor-1242 {4}	6.03	6.19	723.1E6	122.9E6	188.782	536.991m#
22) L5 Aroclor-1242 {5}	0.00	6.73	0	223.9E6	N.D. d	112.002m#
Sum Aroclor-1242			2647.9E6	591.3E6	1555.439	1186.777
Average Aroclor-1242					518.480	395.592
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

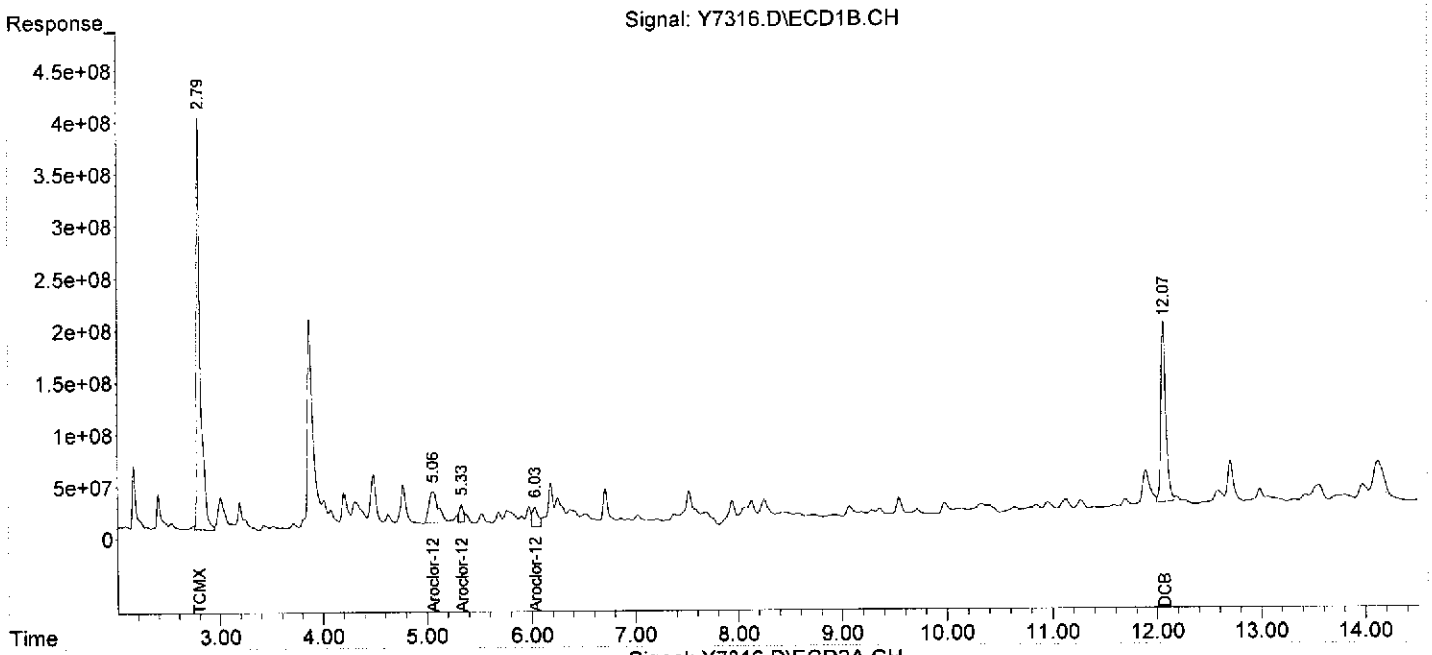
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

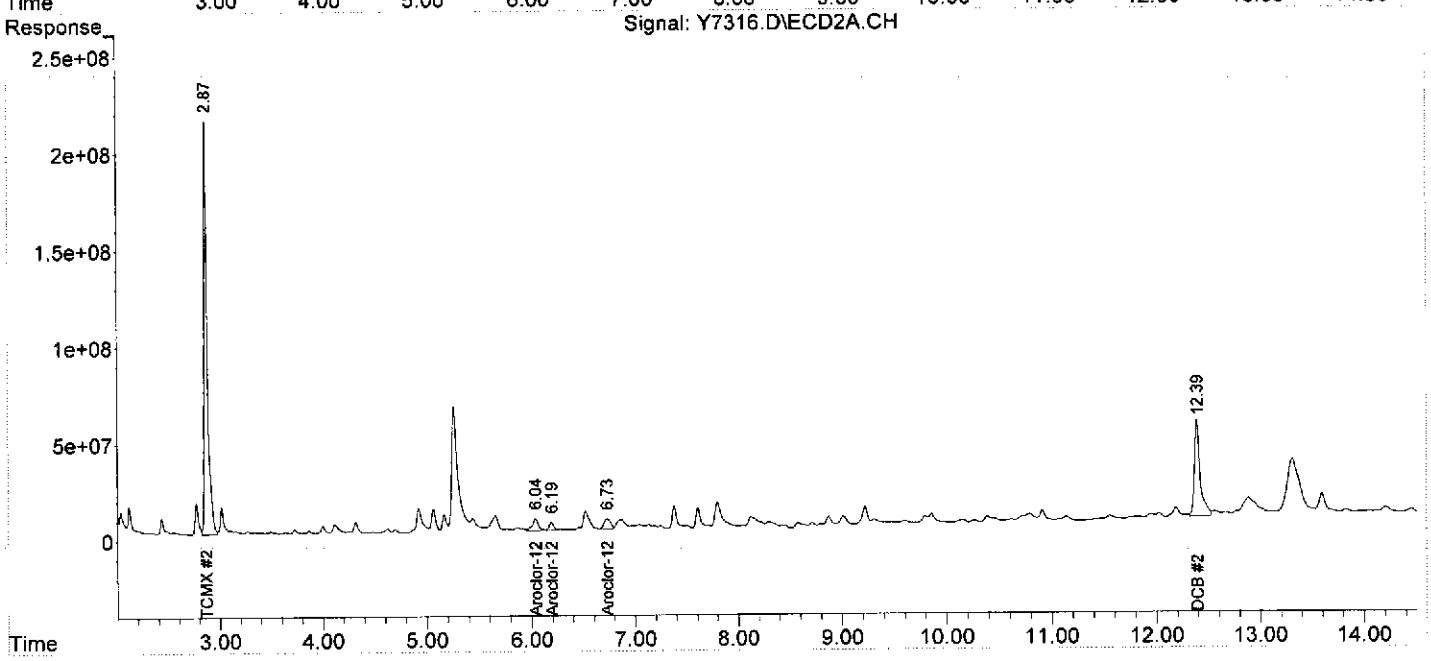
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7316.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 23:16
Operator : NG
Sample : S-13N_(4.0,03153-013,S,5.76g,17.3,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 83 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:44:06 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\04-16-13\
Data File : Y7356.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 11:26
Operator : NG
Sample : S-12E_(0-2,03153-014,S,5.37g,24.5,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,20
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 12:08:45 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	787.2E6	277.1E6	8.074	6.673
Spiked Amount 200.000			Recovery	=	4.04%	3.34%
2) S DCB	12.03	12.39	4043.7E6	86342846	115.897	8.799m#
Spiked Amount 200.000			Recovery	=	57.95%	4.40%
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	4283.6E6	1238.2E6	1164.039	864.098 #
24) L6 Aroclor-1248 {2}	5.01	5.64	1044.0E6	1134.9E6	493.727	518.780
25) L6 Aroclor-1248 {3}	5.33	6.03	1697.3E6	809.4E6	604.439	526.058
26) L6 Aroclor-1248 {4}	6.03	6.19	3343.5E6	555.2E6	670.149	396.337 #
27) L6 Aroclor-1248 {5}	6.31	6.54	2187.5E6	351.1E6	569.380	477.847
Sum Aroclor-1248			12555.8E6	4088.7E6	3501.734	2783.120
Average Aroclor-1248					700.347	556.624
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

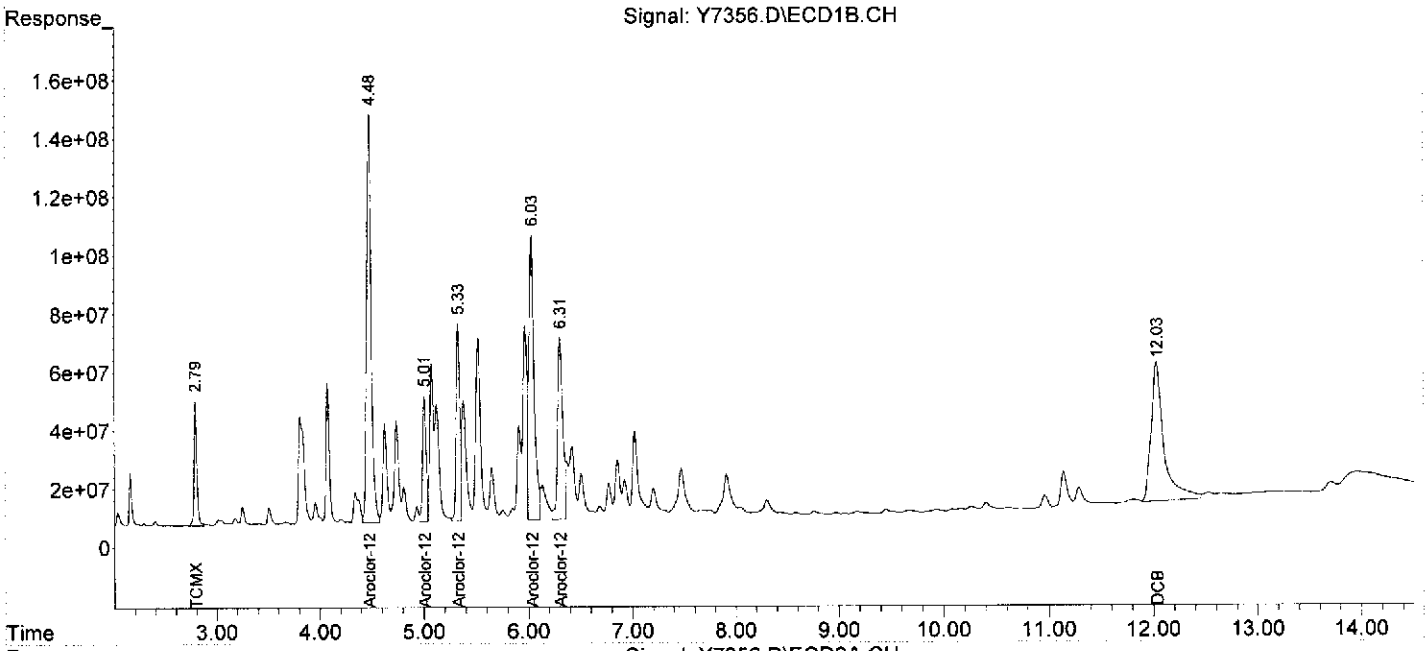
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

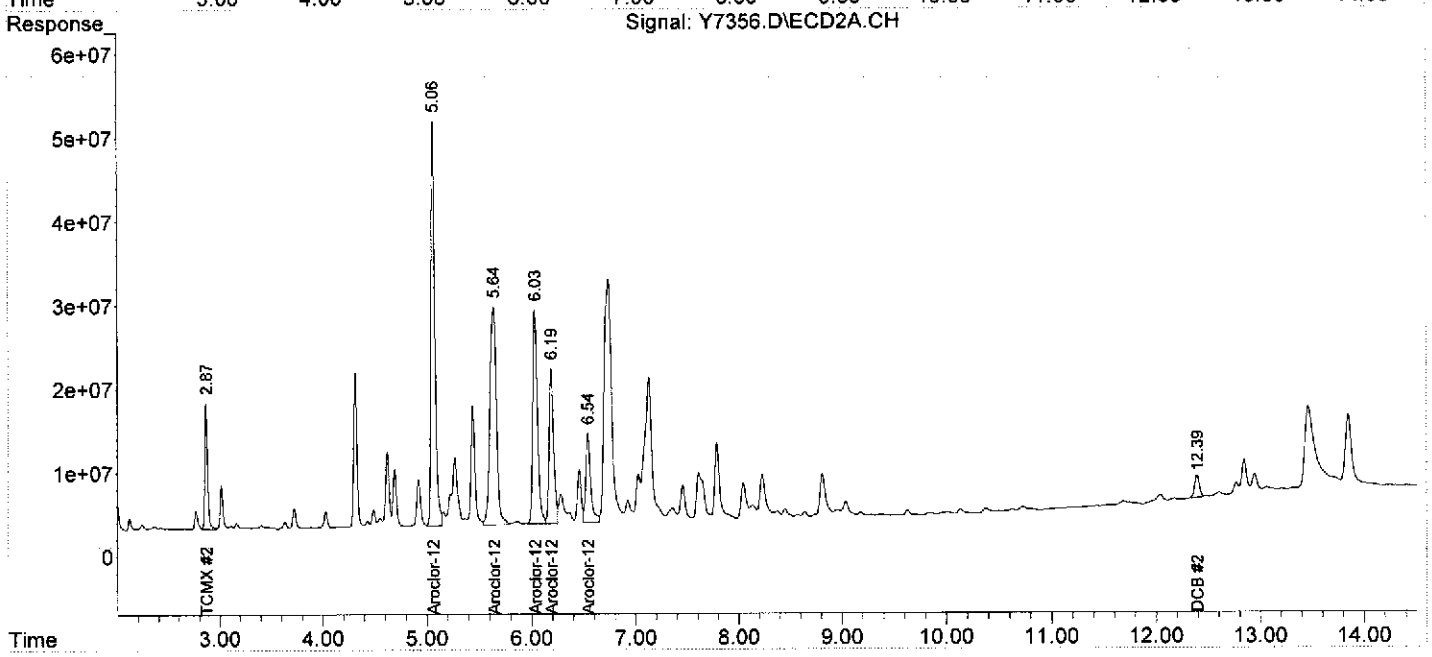
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-16-13\
Data File : Y7356.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 11:26
Operator : NG
Sample : S-12E_(0-2,03153-014,S,5.37g,24.5,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,20
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 12:08:45 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\04-15-13\
Data File : Y7318.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 23:50
Operator : NG
Sample : S-12E_(2.0,03153-015,S,5.67g,21.7,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 85 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:47:14 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	13251.2E6	5028.1E6	135.914	121.071
Spiked Amount 200.000			Recovery	=	67.96%	60.54%
2) S DCB	12.06	12.39	6432.7E6	1819.5E6	184.369	185.416
Spiked Amount 200.000			Recovery	=	92.18%	92.71%
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
18) L5 Aroclor-1242	4.08	4.69	71341115	14749284	1614.076m	958.295 #
19) L5 Aroclor-1242 {2}	5.01	0.00	42739064	0	27.835	N.D. #
20) L5 Aroclor-1242 {3}	5.33	6.03	134.4E6	76541691	122.733	168.355 #
21) L5 Aroclor-1242 {4}	6.03	6.19	128.4E6	25768898	33.522	112.613 #
22) L5 Aroclor-1242 {5}	0.00	6.75	0	66605510	N.D. d	33.319 #
Sum Aroclor-1242			376.9E6	183.7E6	1798.165	1272.582
Average Aroclor-1242					449.541	318.145
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

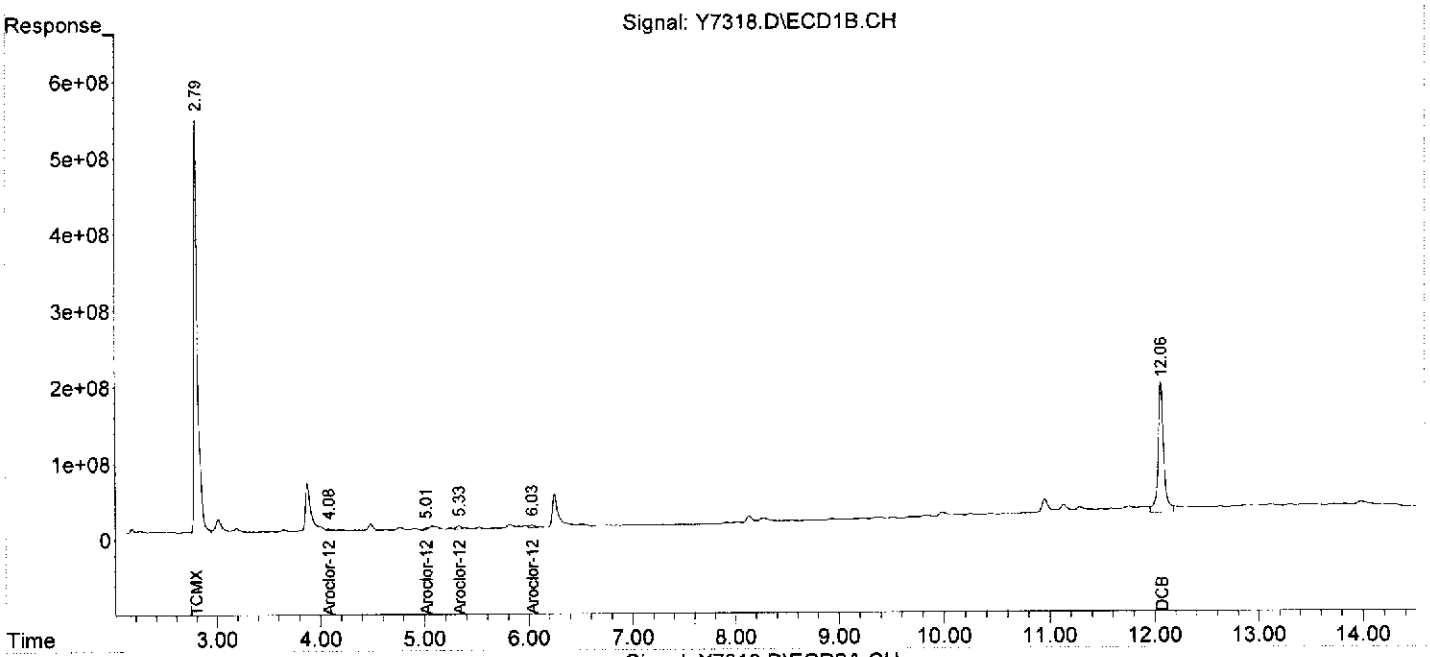
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

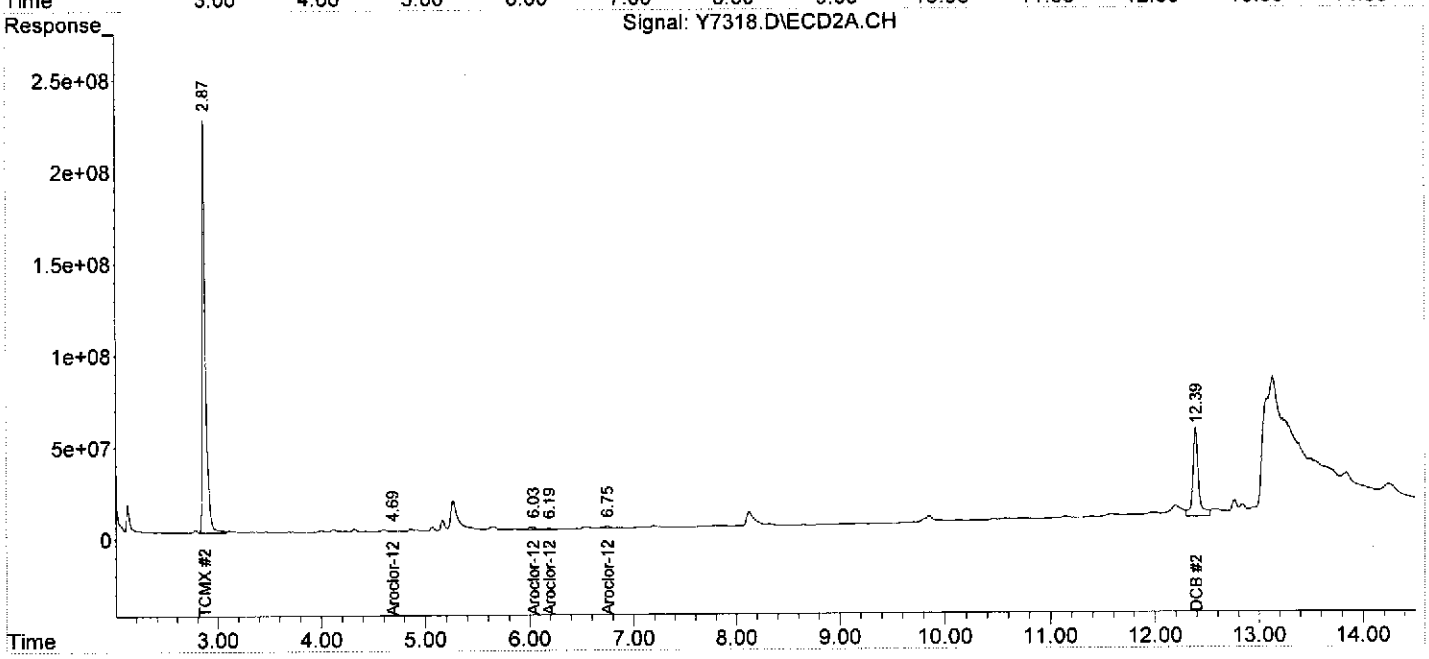
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7318.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 23:50
Operator : NG
Sample : S-12E_(2.0,03153-015,S,5.67g,21.7,04/09/13,4
Misc : 130409-10,04/08/13,04/08/13,1
ALS Vial : 85 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 18 11:47:14 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\04-15-13\
Data File : R8798.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 22:40
Operator : JS
Sample : S-12N_(0-2,03153-016,S,5.36g,18.7,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,10
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:16:33 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	146.6E6	189.2E6	12.366	16.276 #
Spiked Amount 200.000			Recovery	=	6.18%	8.14%
2) S DCB	12.08	12.03	43097049	62272662	13.784m	20.267m#
Spiked Amount 200.000			Recovery	=	6.89%	10.13%
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	766.2E6	902.5E6	1816.470	2215.536
24) L6 Aroclor-1248 {2}	4.99	5.29	250.5E6	865.8E6	970.029	1376.014 #
25) L6 Aroclor-1248 {3}	5.31	5.68	365.5E6	644.6E6	1080.334	1424.784 #
26) L6 Aroclor-1248 {4}	6.01	5.83	633.6E6	437.1E6	1345.141	1136.847
27) L6 Aroclor-1248 {5}	0.00	6.17	0	332.6E6	N.D. d	1495.226 #
Sum Aroclor-1248			2015.8E6	3182.6E6	5211.974	7648.407
Average Aroclor-1248					1302.993	1529.681
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

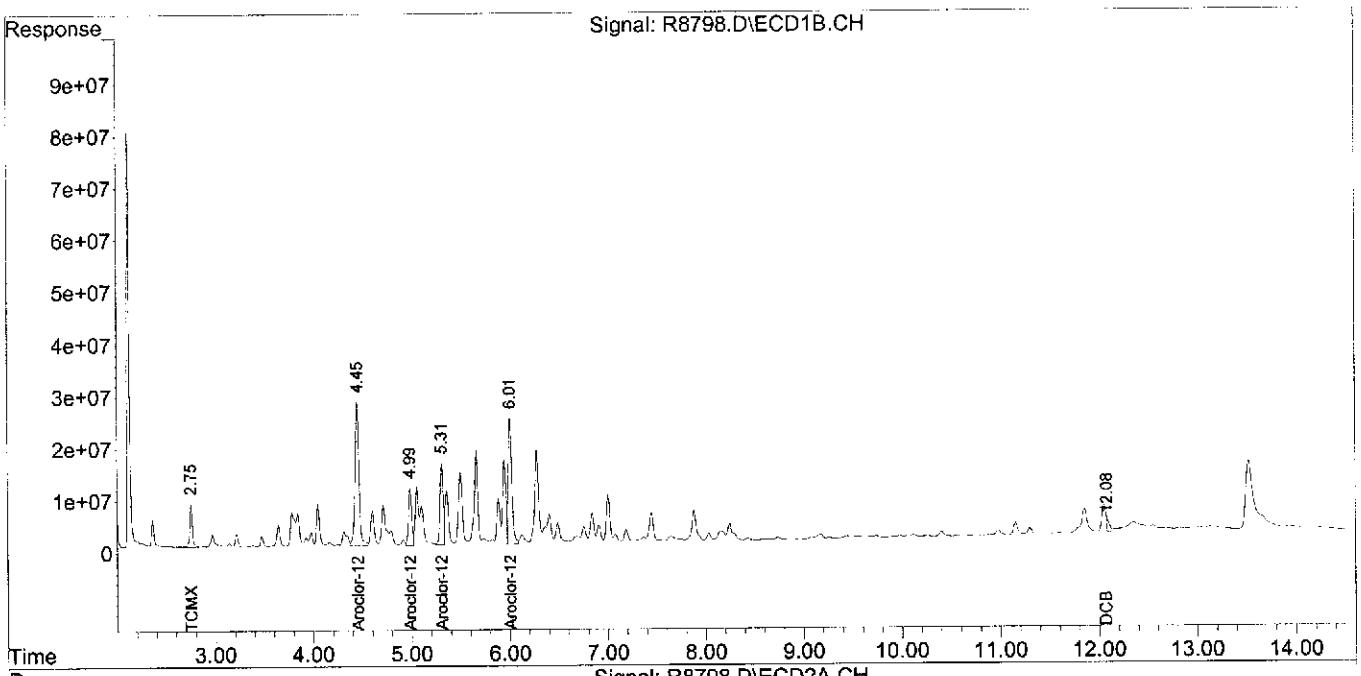
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

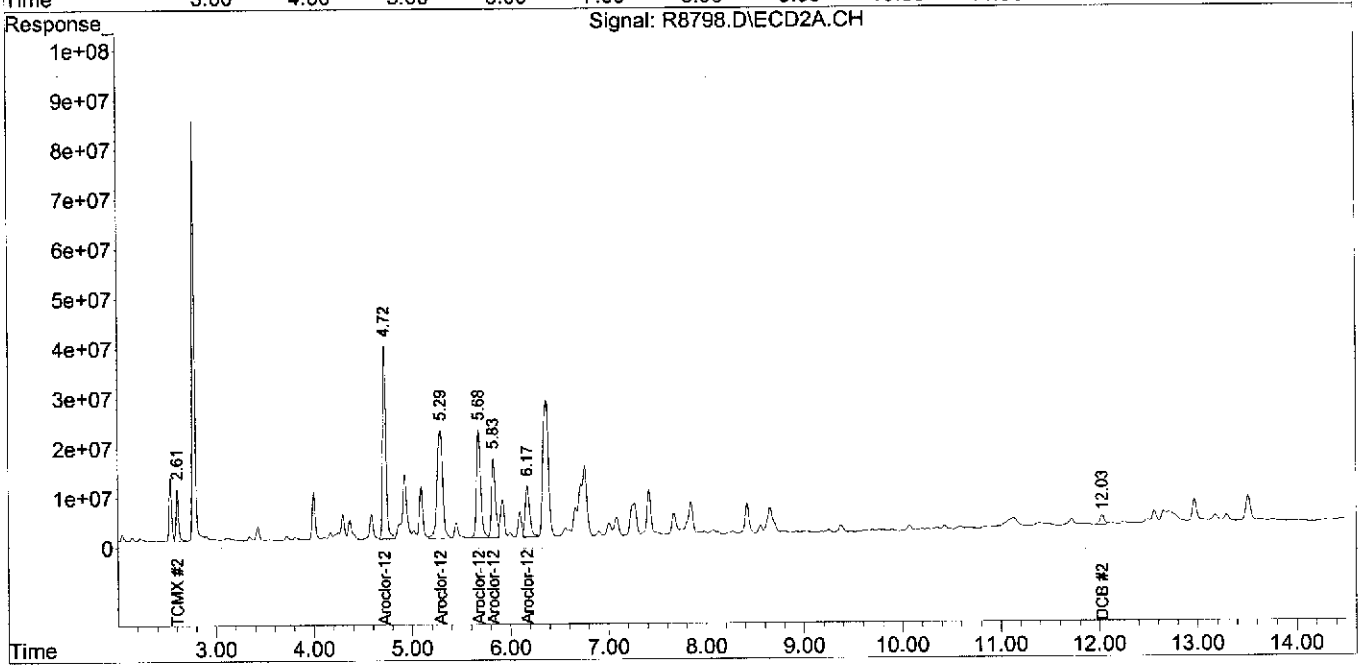
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : R8798.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 22:40
Operator : JS
Sample : S-12N (0-2,03153-016,S,5.36g,18.7,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,10
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:16:33 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 : R8750.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 12:00
Operator : JS
Sample : S-12N_(2.0,03153-017,S,5.57g,17.8,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:05:07 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	1358.5E6	1755.9E6	114.600	151.024 #
Spiked Amount 200.000			Recovery	=	57.30%	75.51%
2) S DCB	12.10	12.03	444.7E6	670.4E6	142.222m	218.172m#
Spiked Amount 200.000			Recovery	=	71.11%	109.09%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	4.73	434.0E6	406.8E6	1028.813	998.643
24) L6 Aroclor-1248 {2}	4.99	5.30	114.4E6	403.9E6	443.119	641.893 #
25) L6 Aroclor-1248 {3}	5.32	5.69	203.6E6	298.8E6	601.870	660.491
26) L6 Aroclor-1248 {4}	6.01	5.84	278.6E6	221.1E6	591.461	575.113
27) L6 Aroclor-1248 {5}	0.00	6.18	0	125.4E6	N.D. d	563.853 #
Sum Aroclor-1248			1030.6E6	1456.0E6	2665.263	3439.993
Average Aroclor-1248					666.316	687.999
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

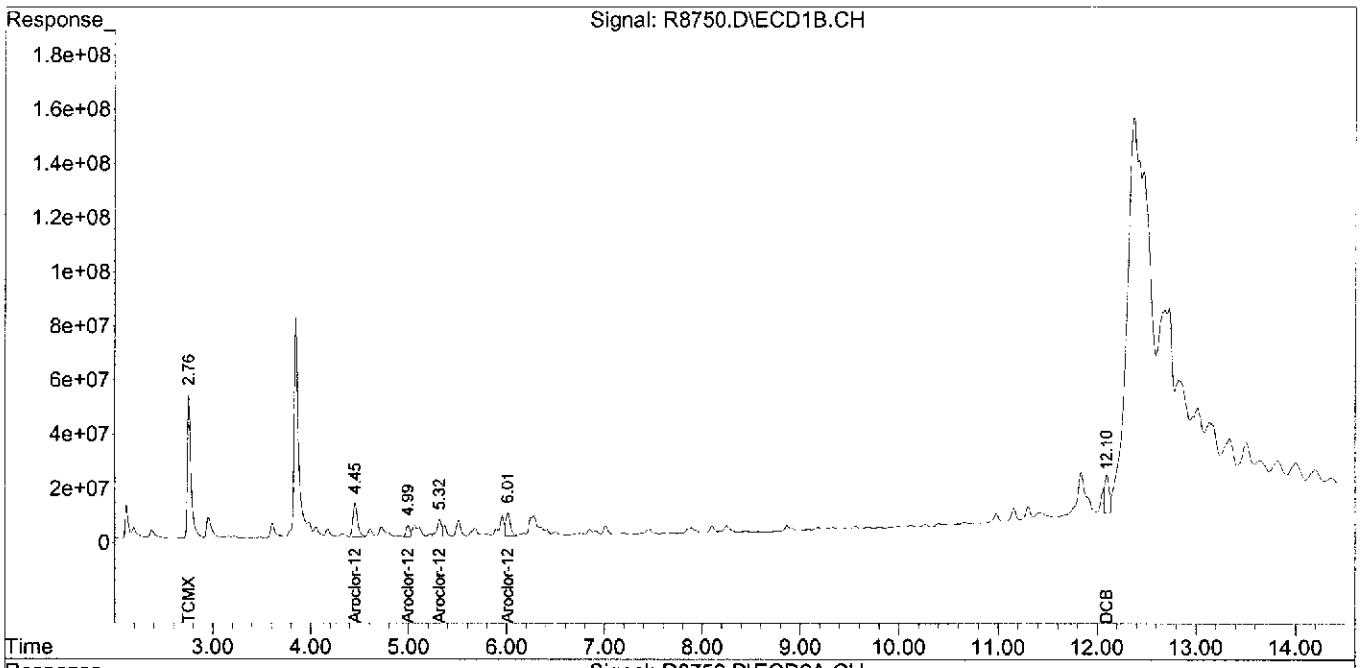
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

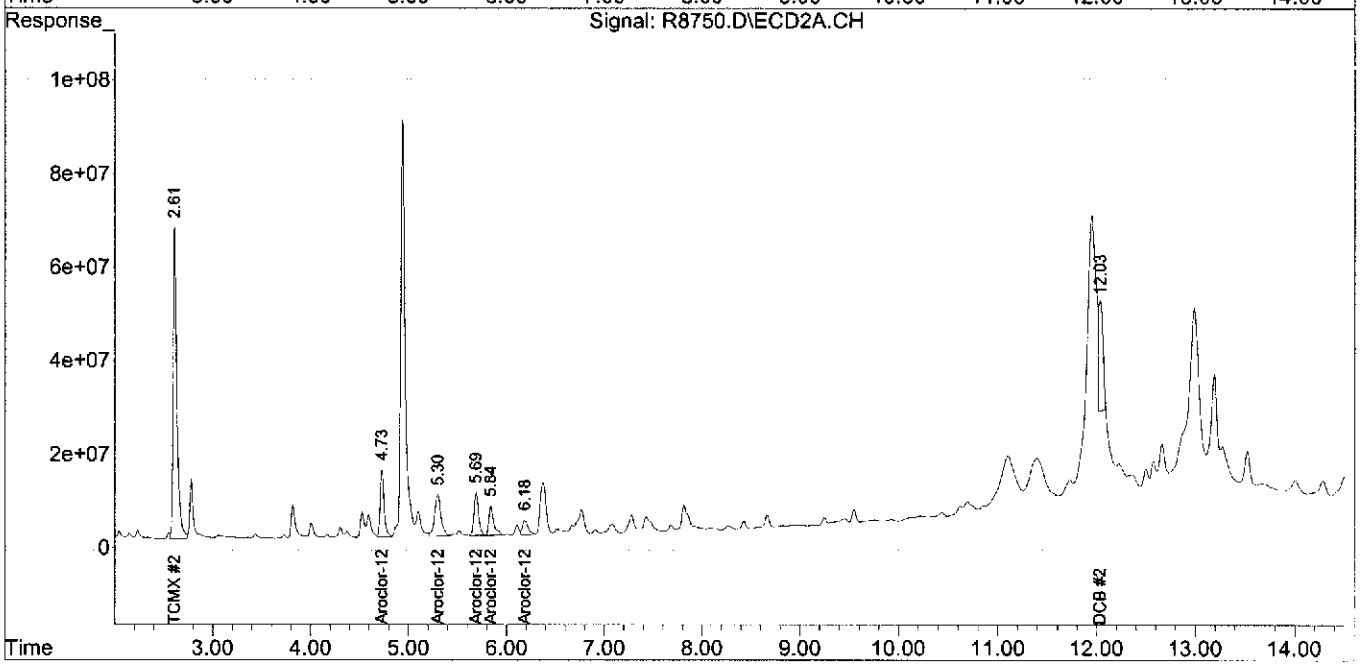
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8750.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 12:00
Operator : JS
Sample : S-12N_(2.0,03153-017,S,5.57g,17.8,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:05:07 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 : R8799.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 22:57
Operator : JS
Sample : Z-16_(0-2.,03153-018,S,5.10g,25.3,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,20
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:18:23 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	93516801	107.0E6	7.889	9.206
Spiked Amount 200.000			Recovery	=	3.94%	4.60%
2) S DCB	12.09	11.94	23508757	1259.1E6	7.519m	409.768 #
Spiked Amount 200.000			Recovery	=	3.76%	204.88%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
23) L6 Aroclor-1248	4.45	4.72	375.2E6	426.5E6	889.490	1047.081
24) L6 Aroclor-1248 {2}	4.99	5.29	109.7E6	431.7E6	424.729	686.037 #
25) L6 Aroclor-1248 {3}	5.31	5.68	99554823	211.2E6	294.239	466.868 #
26) L6 Aroclor-1248 {4}	6.01	5.83	53448255	151.2E6	113.480	393.157 #
27) L6 Aroclor-1248 {5}	0.00	6.17	0	25108988	N.D. d	112.873 #
Sum Aroclor-1248			637.9E6	1245.7E6	1721.938	2706.016
Average Aroclor-1248					430.484	541.203
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

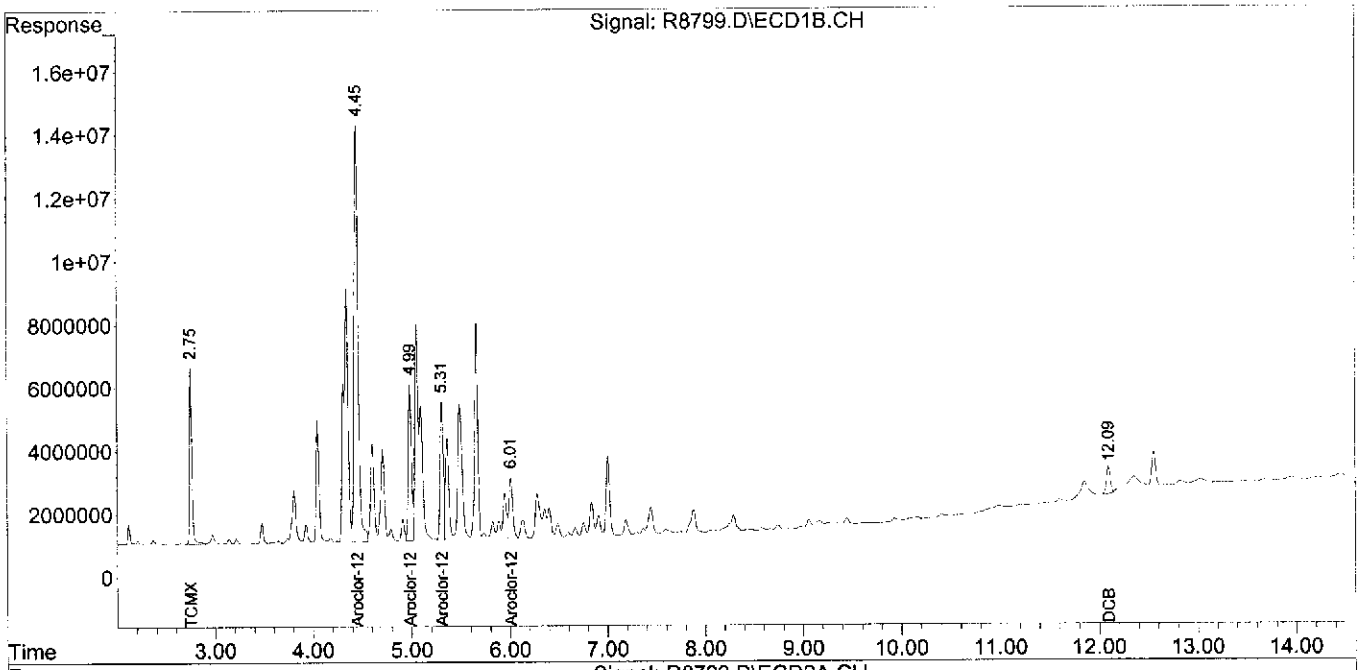
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

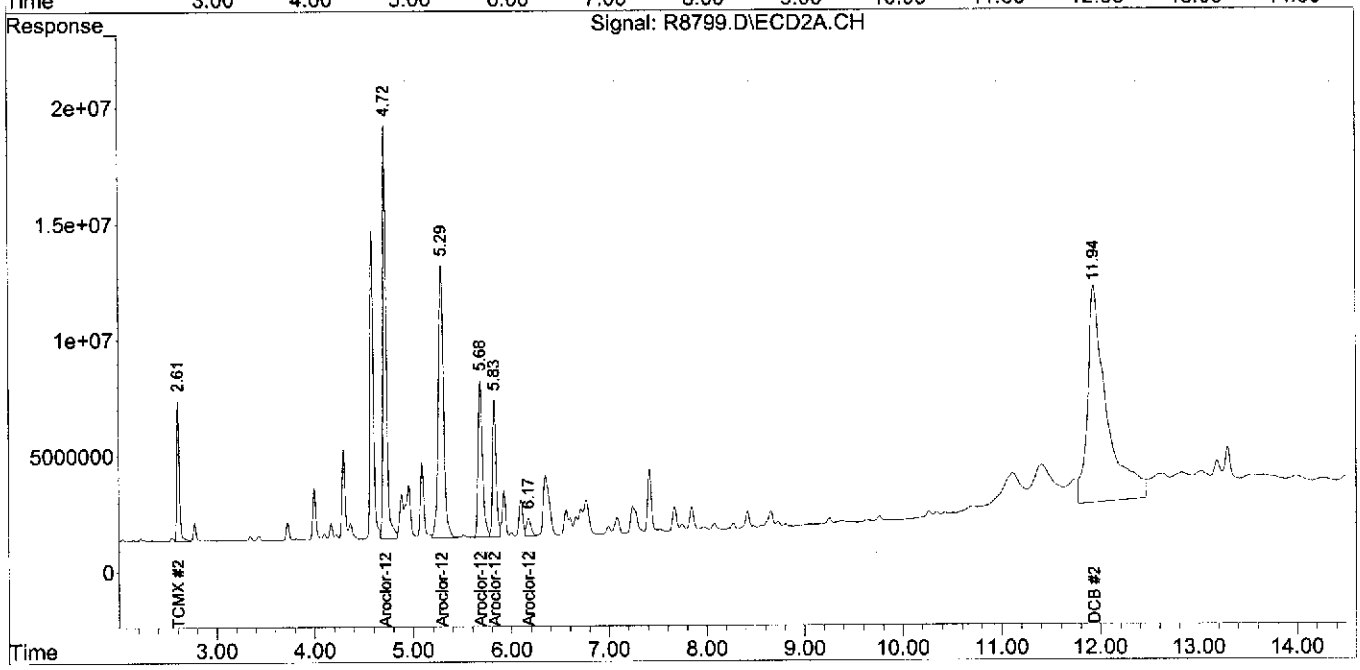
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : R8799.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 22:57
Operator : JS
Sample : Z-16_(0-2.,03153-018,S,5.10g,25.3,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,20
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:18:23 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 : R8752.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 12:35
Operator : JS
Sample : R-11W_(2.0,03153-019,S,5.41g,25.2,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 11:18:29 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	1407.2E6	1838.4E6	118.708	158.116 #
Spiked Amount 200.000			Recovery	=	59.35%	79.06%
2) S DCB	12.11	12.05	496.0E6	634.4E6	158.651m	206.468m#
Spiked Amount 200.000			Recovery	=	79.33%	103.23%
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	4.47	4.73	96972614	41270214	229.891	101.310m#
24) L6 Aroclor-1248 {2}	5.00	5.29	43073886	114.4E6	166.785	181.859
25) L6 Aroclor-1248 {3}	5.32	5.69	61213835	79108841	180.921	174.867
26) L6 Aroclor-1248 {4}	6.02	5.83	82697013	77260504	175.580	200.961
27) L6 Aroclor-1248 {5}	0.00	6.18	0	39991225	N.D. d	179.774m#
Sum Aroclor-1248			284.0E6	352.1E6	753.177	838.771
Average Aroclor-1248					188.294	167.754
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

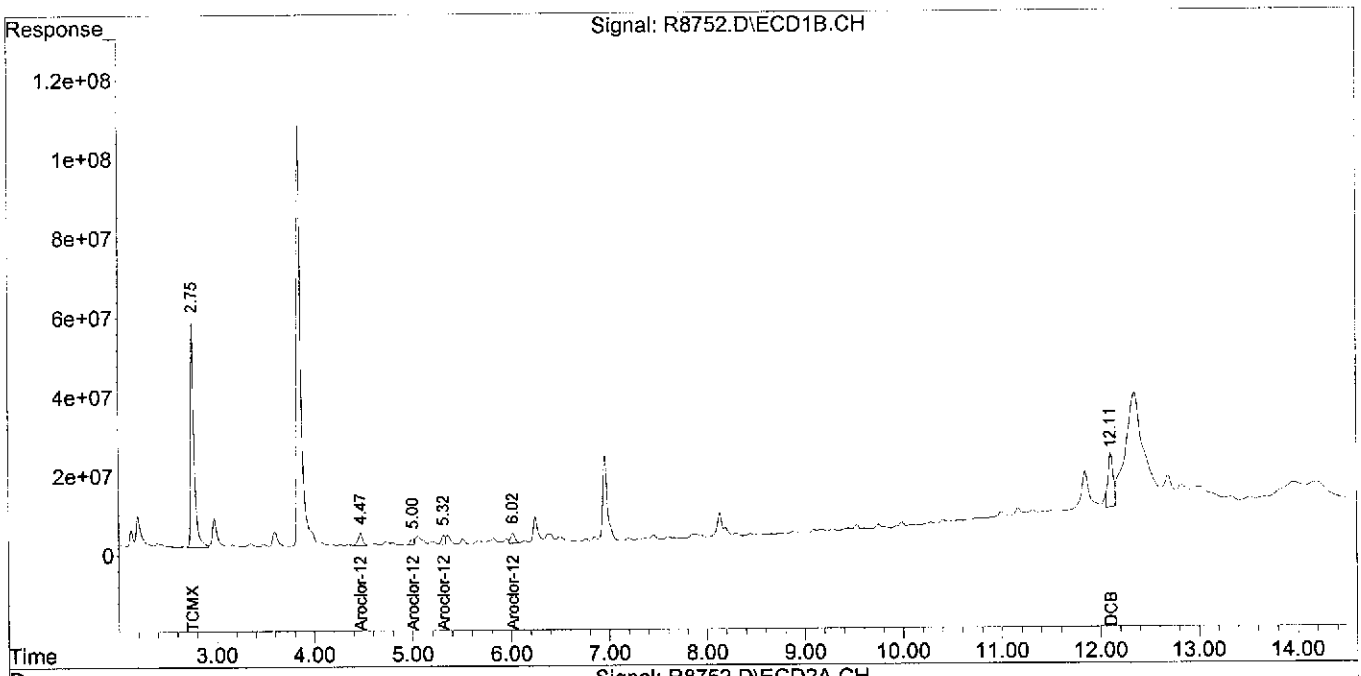
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

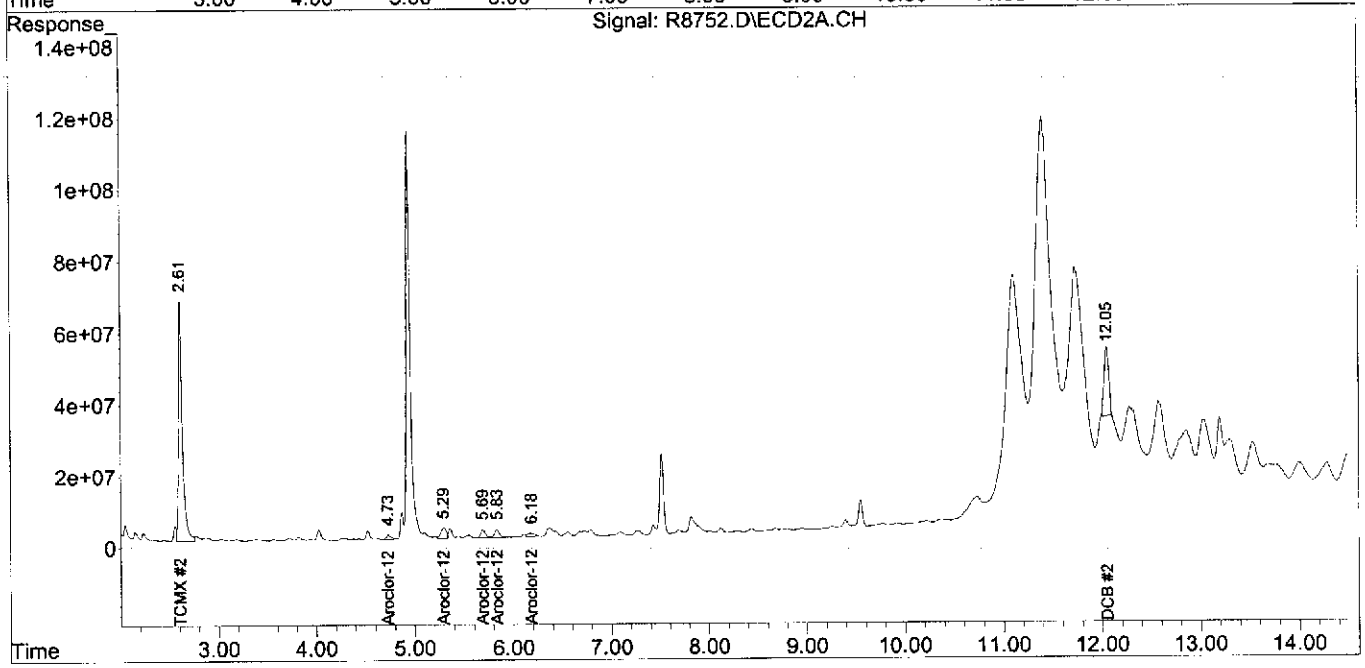
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8752.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 12:35
Operator : JS
Sample : R-11W_(2.0,03153-019,S,5.41g,25.2,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 11:18:29 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 : R8753.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 12:52
Operator : JS
Sample : R-11N_(2.0,03153-020,S,5.40g,21.9,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 11:29:41 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	1469.4E6	1733.4E6	123.956	149.085
Spiked Amount 200.000			Recovery	=	61.98%	74.54%
2) S DCB	12.10	12.04	446.2E6	694.1E6	142.707m	225.906m#
Spiked Amount 200.000			Recovery	=	71.35%	112.95%
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	329.5E6	331.5E6	781.172	813.799
24) L6 Aroclor-1248 {2}	4.99	5.30	102.6E6	337.3E6	397.120	536.091 #
25) L6 Aroclor-1248 {3}	5.32	5.69	164.7E6	242.7E6	486.693	536.383
26) L6 Aroclor-1248 {4}	6.01	5.84	341.1E6	175.3E6	724.119	456.099 #
Sum Aroclor-1248			937.8E6	1086.8E6	2389.103	2342.372
Average Aroclor-1248					597.276	585.593
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

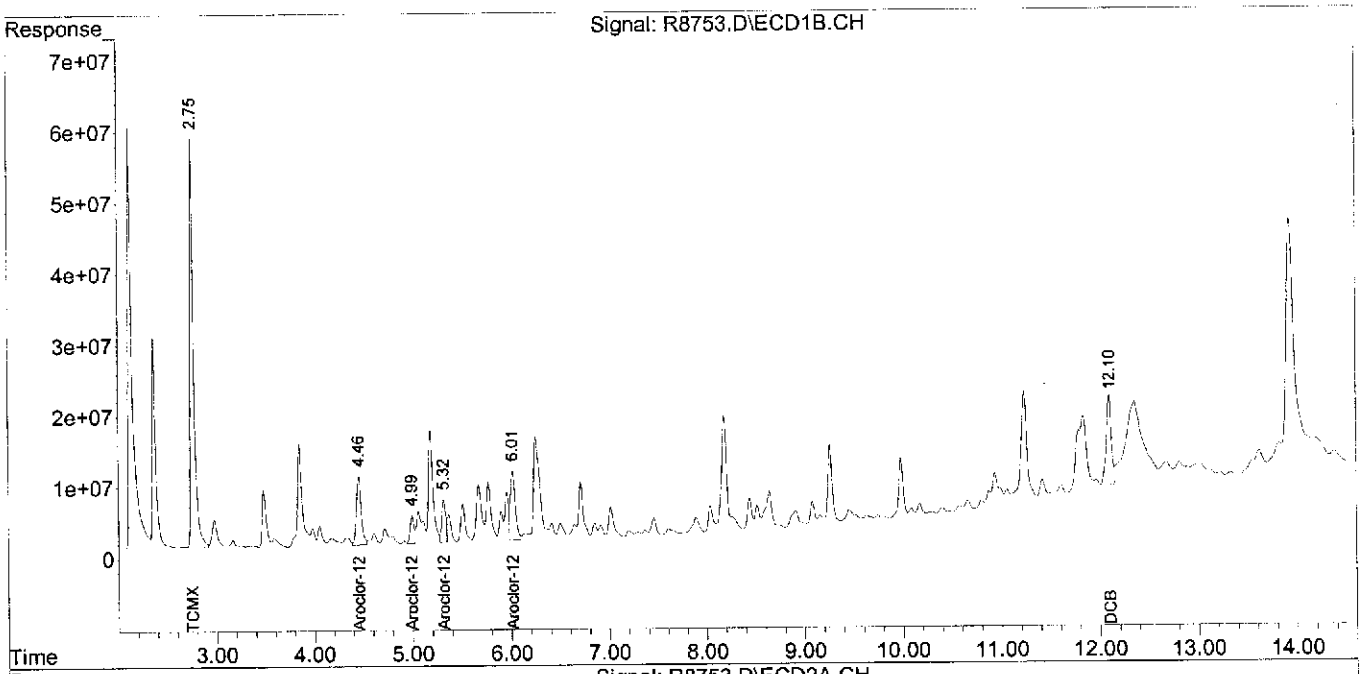
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

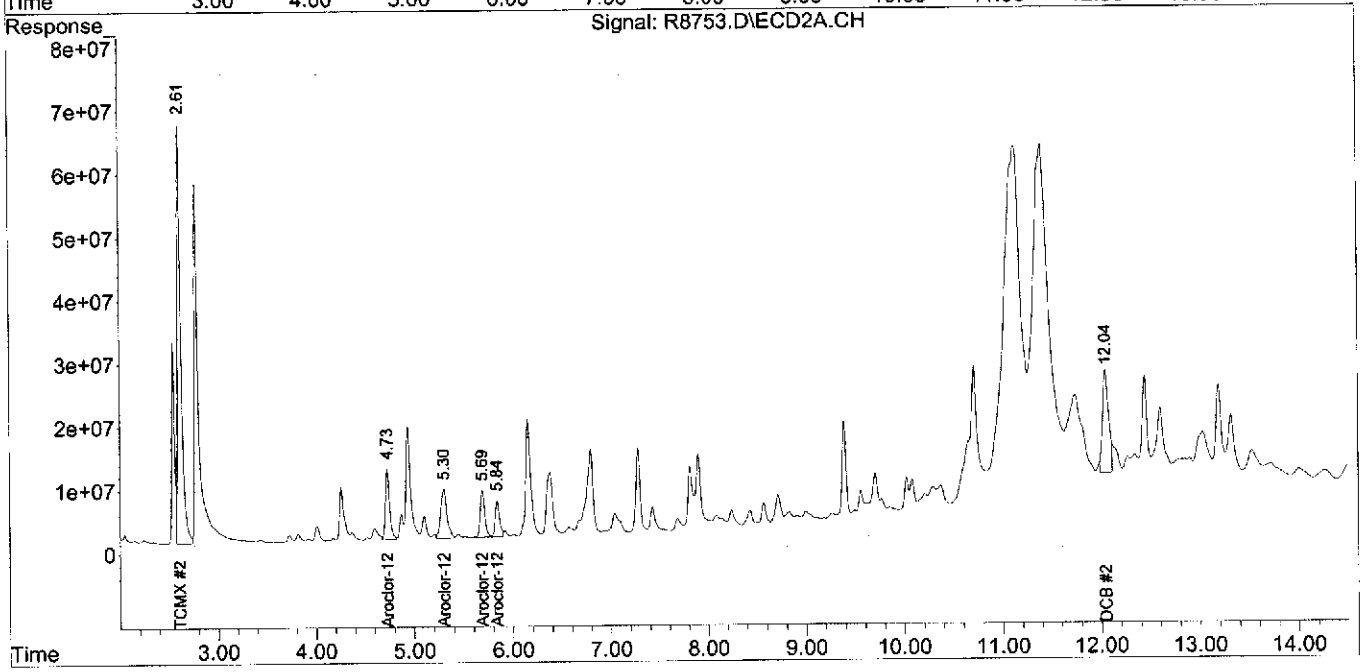
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8753.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 12:52
Operator : JS
Sample : R-11N_(2.0,03153-020,S,5.40g,21.9,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 11:29:41 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 : R8754.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 13:10
Operator : JS
Sample : R-11E_(2.0,03153-021,S,5.39g,35.3,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 11:31:30 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	2.76	2.61	1620.4E6	1791.8E6	136.697	154.112
Spiked Amount 200.000			Recovery	=	68.35%	77.06%
2) S DCB	12.10	12.04	418.9E6	516.6E6	133.988m	168.137m#
Spiked Amount 200.000			Recovery	=	66.99%	84.07%
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
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

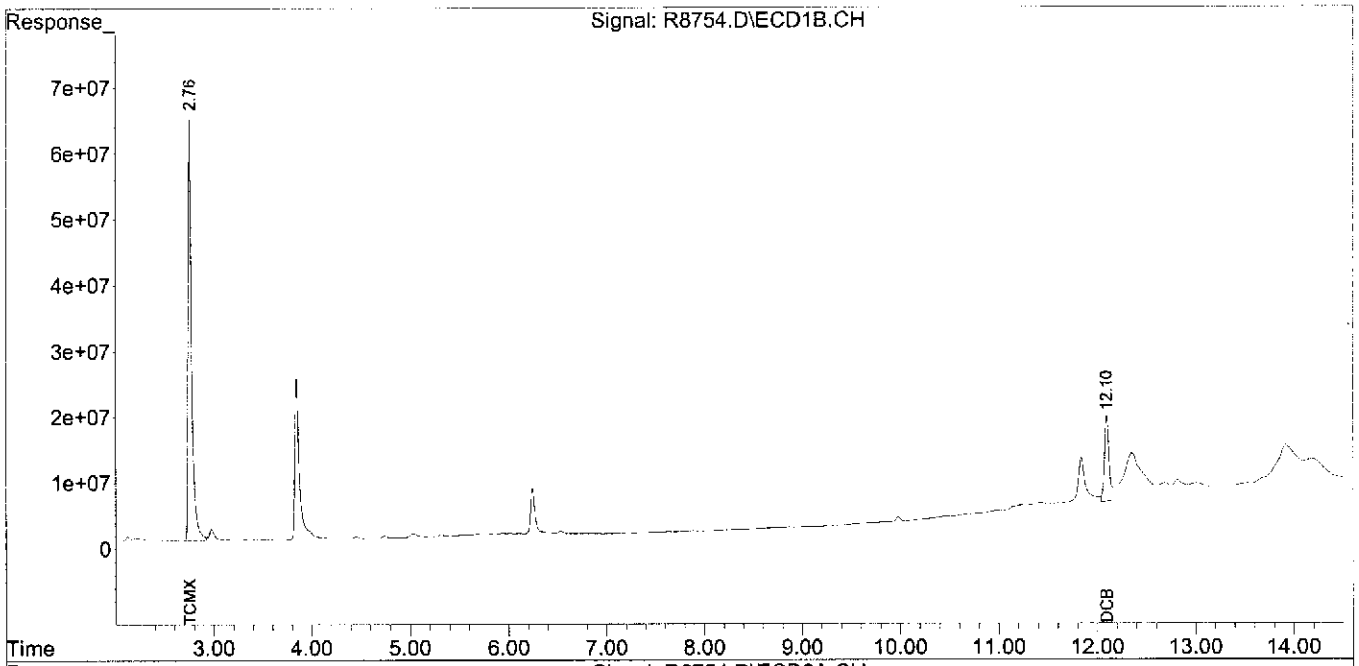
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

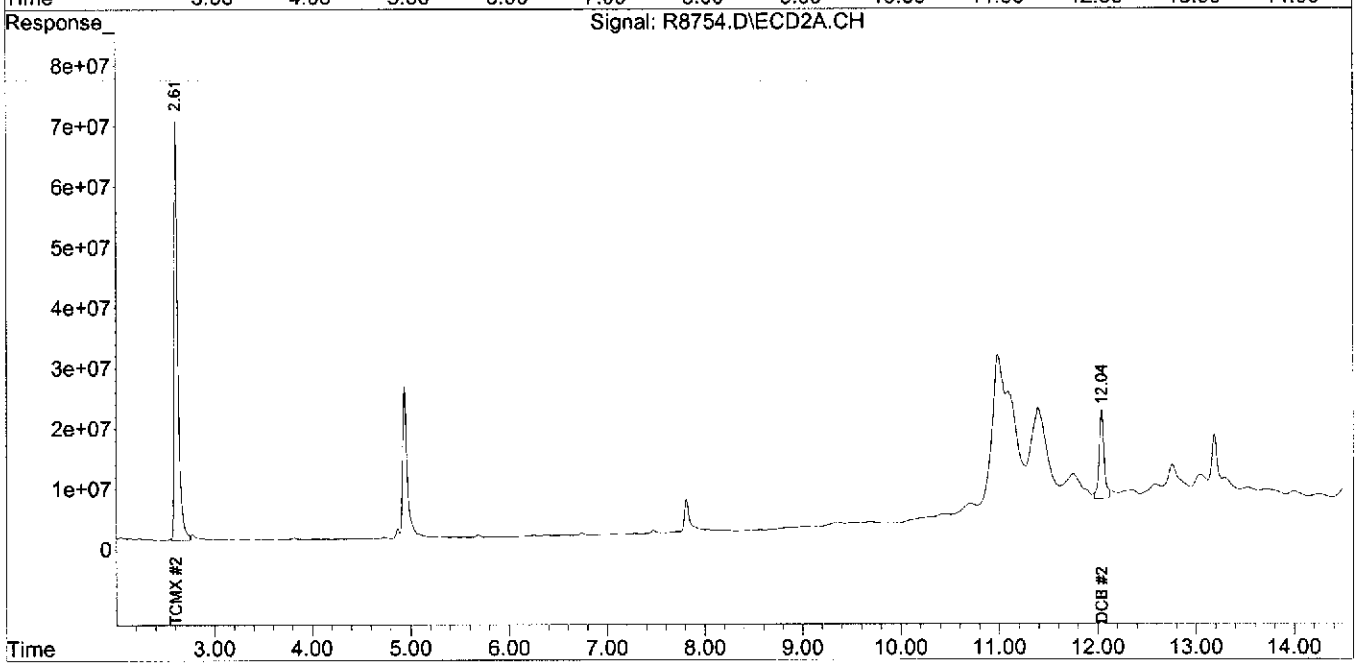
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8754.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 13:10
Operator : JS
Sample : R-11E_(2.0,03153-021,S,5.39g,35.3,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 11:31:30 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 : R8800.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 23:15
Operator : JS
Sample : R-12N_(0-2,03153-022,S,5.85g,20.7,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,25
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:28:48 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	2.75	2.61	58559303	68333411	4.940m	5.877m
Spiked Amount 200.000			Recovery	=	2.47%	2.94%
2) S DCB	12.05	12.04	156.4E6	26868973	50.012	8.745m#
Spiked Amount 200.000			Recovery	=	25.01%	4.37%
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	712.7E6	798.5E6	1689.479	1960.095
24) L6 Aroclor-1248 {2}	4.99	5.29	196.8E6	653.2E6	762.107	1038.079 #
25) L6 Aroclor-1248 {3}	5.31	5.68	274.8E6	488.6E6	812.168	1079.951 #
26) L6 Aroclor-1248 {4}	6.01	5.83	414.0E6	388.3E6	878.942	1010.037
27) L6 Aroclor-1248 {5}	0.00	6.17	0	280.1E6	N.D. d	1259.022 #
Sum Aroclor-1248			1598.2E6	2608.6E6	4142.695	6347.185
Average Aroclor-1248					1035.674	1269.437
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

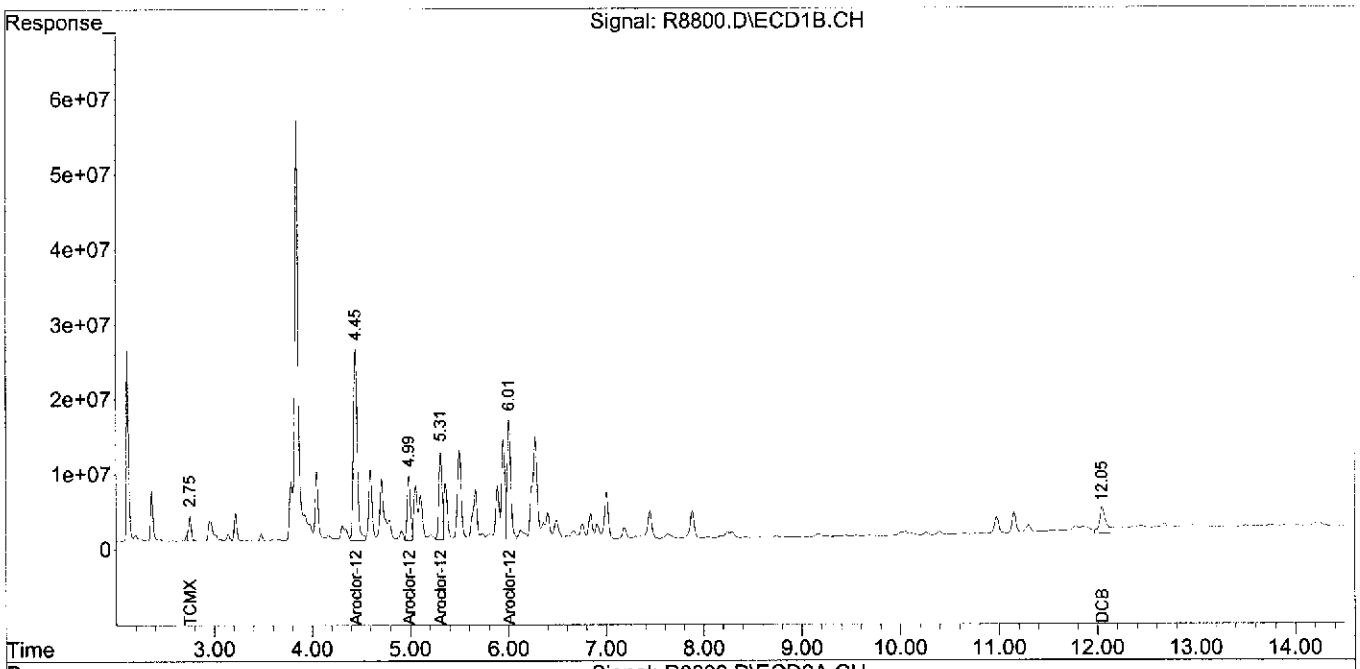
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

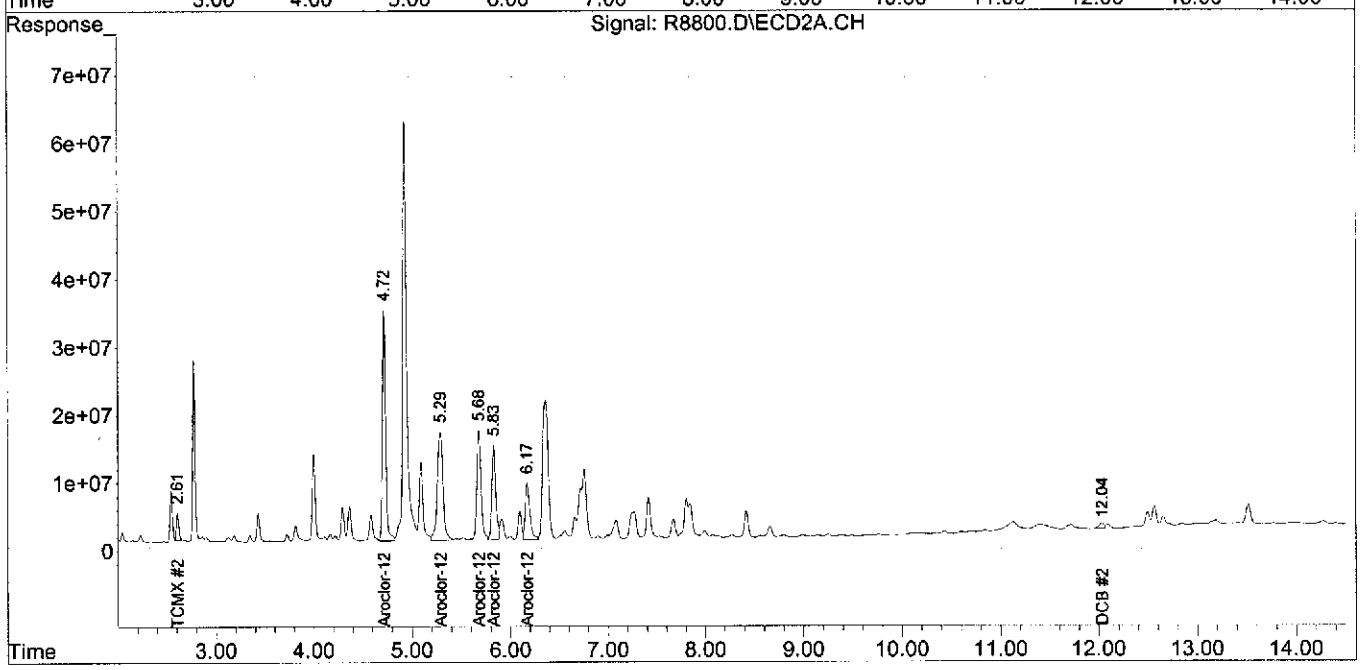
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : R8800.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 23:15
Operator : JS
Sample : R-12N_(0-2,03153-022,S,5.85g,20.7,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,25
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:28:48 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 : R8801.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 23:32
Operator : JS
Sample : R-13N_(0-2,03153-023,S,5.15g,20.3,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,25
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:30:29 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	70535610	67843638	5.950m	5.835m
Spiked Amount 200.000			Recovery	=	2.98%	2.92%
2) S DCB	12.05	12.01	222.1E6	75117210	71.031	24.447 #
Spiked Amount 200.000			Recovery	=	35.52%	12.22%
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	4.45	4.72	798.0E6	848.2E6	1891.802	2082.090m
24) L6 Aroclor-1248 {2}	4.99	5.29	249.1E6	864.6E6	964.648	1373.996 #
25) L6 Aroclor-1248 {3}	5.31	5.68	336.7E6	624.9E6	995.177	1381.372 #
26) L6 Aroclor-1248 {4}	6.01	5.83	642.3E6	500.1E6	1363.817	1300.871
27) L6 Aroclor-1248 {5}	0.00	6.17	0	284.3E6	N.D. d	1278.237m#
Sum Aroclor-1248			2026.2E6	3122.1E6	5215.443	7416.566
Average Aroclor-1248					1303.861	1483.313
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

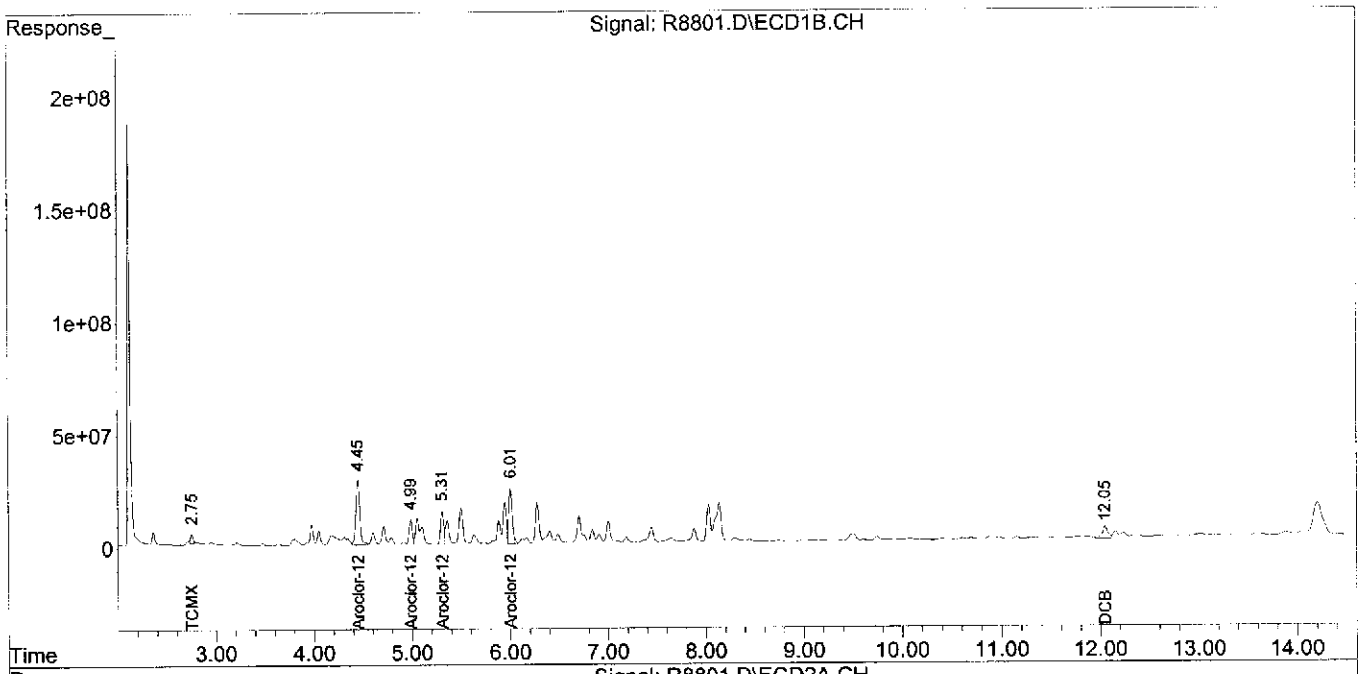
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

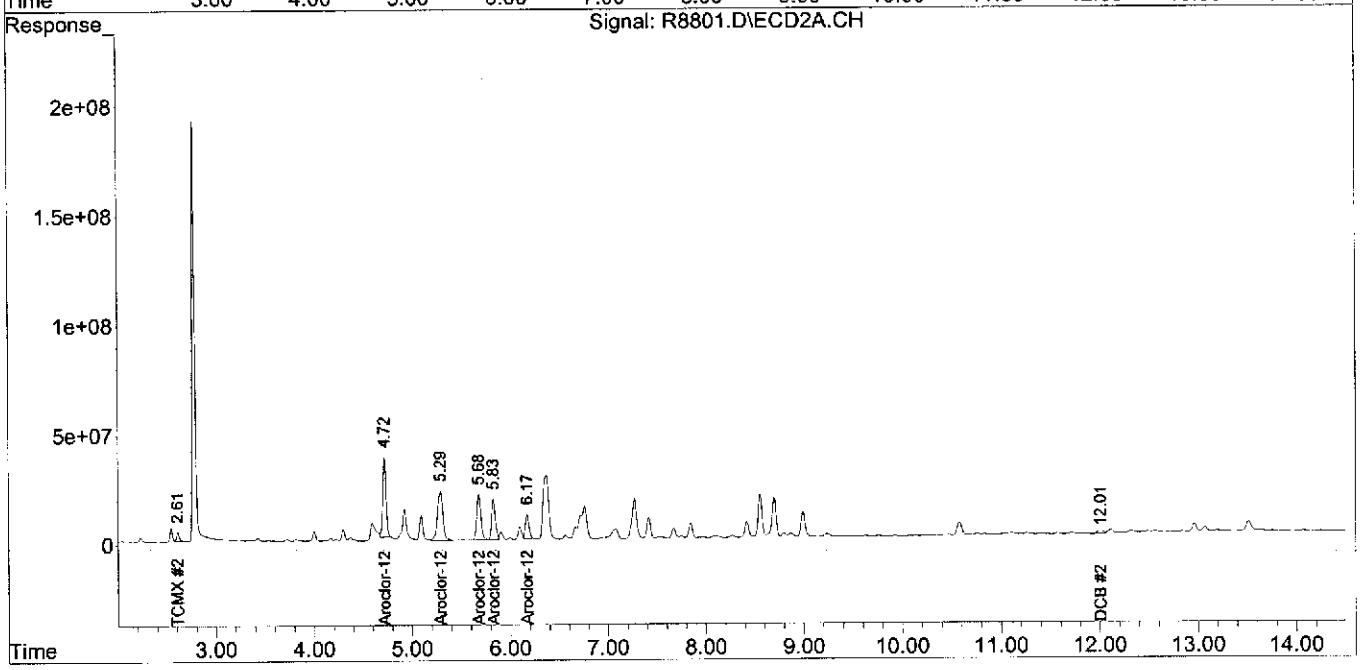
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : R8801.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 23:32
Operator : JS
Sample : R-13N_(0-2,03153-023,S,5.15g,20.3,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,25
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:30:29 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 : R8757.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 14:02
Operator : JS
Sample : R-13N_(2.0,03153-024,S,5.14g,9.80,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 11:34:54 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	1668.9E6	1779.4E6	140.786	153.044
Spiked Amount 200.000			Recovery	=	70.39%	76.52%
2) S DCB	12.10	12.04	436.4E6	493.8E6	139.593m	160.711m
Spiked Amount 200.000			Recovery	=	69.80%	80.36%
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	34332557	40041649	81.391	98.294
24) L6 Aroclor-1248 {2}	5.02	5.30	26631999	29424983	103.121m	46.764 #
25) L6 Aroclor-1248 {3}	5.32	5.69	8600941	17575654	25.421	38.850 #
26) L6 Aroclor-1248 {4}	6.01	5.84	18243381	13670744	38.734m	35.559
27) L6 Aroclor-1248 {5}	0.00	6.20	0	14525386	N.D.	65.296 #
Sum Aroclor-1248			87808879	115.2E6	248.667	284.763
Average Aroclor-1248					62.167	56.953
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

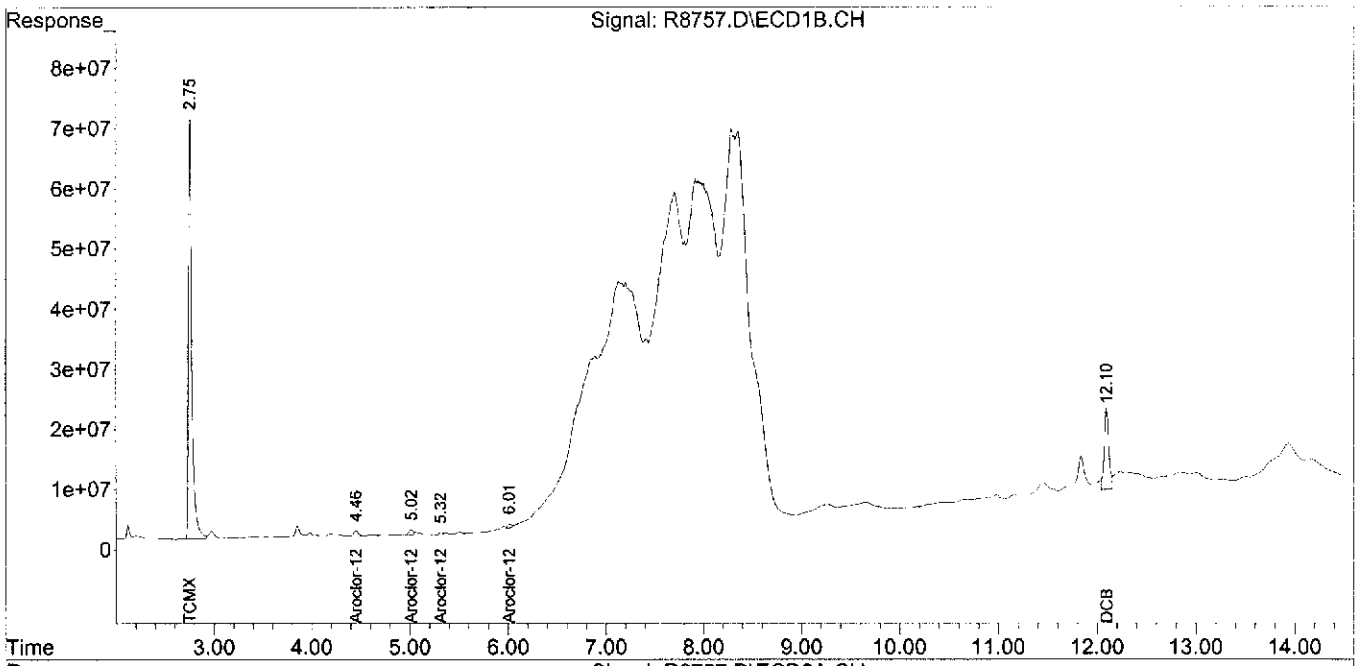
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

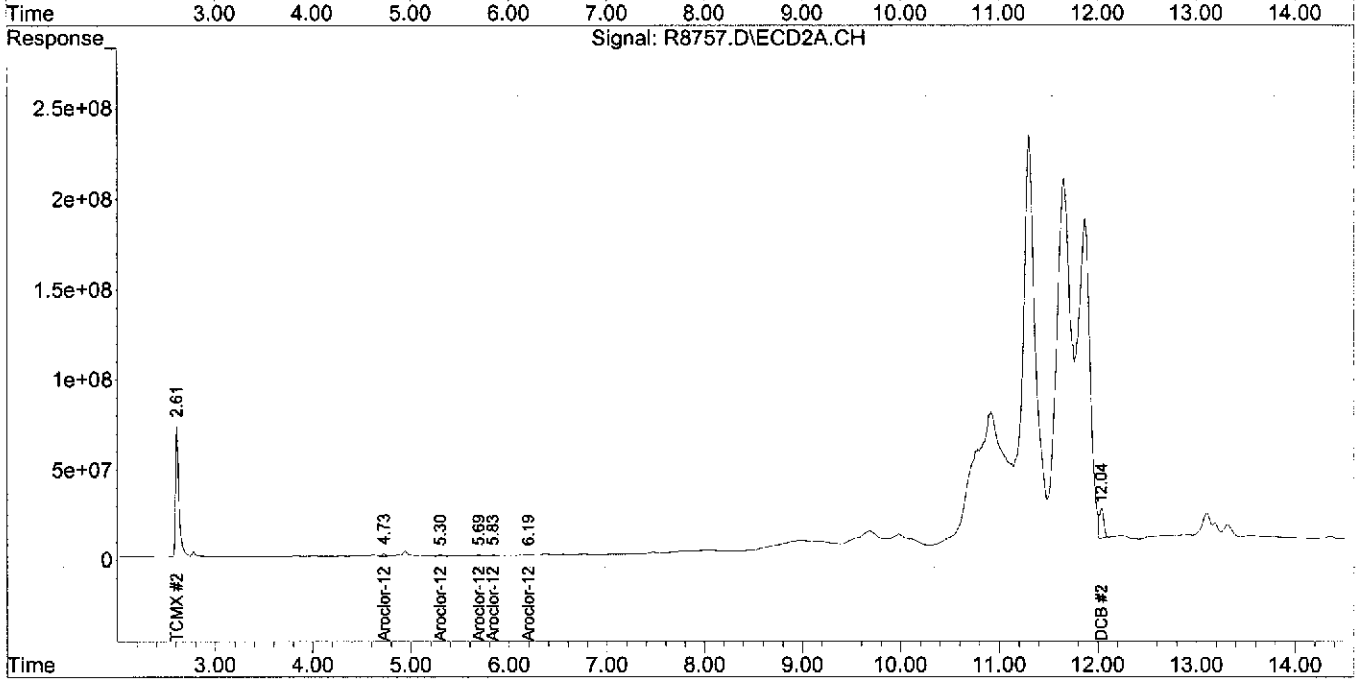
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8757.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 14:02
Operator : JS
Sample : R-13N_(2.0,03153-024,S,5.14g,9.80,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 11:34:54 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 : R8834.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 10:37
Operator : JS
Sample : R-13W_(0-2,03153-025,S,5.08g,9.20,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,400
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:33:47 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	2.73	2.61	26243254	7019748	2.214	0.604 #
Spiked Amount 200.000			Recovery	=	1.11%	0.30%
2) S DCB	12.10	12.03	1054596	2085329	0.337m	0.679m#
Spiked Amount 200.000			Recovery	=	0.17%	0.34%
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	532.6E6	605.9E6	1262.546	1487.419
24) L6 Aroclor-1248 {2}	4.99	5.29	86876353	313.6E6	336.392	498.343 #
25) L6 Aroclor-1248 {3}	5.31	5.68	101.8E6	197.1E6	300.868	435.692 #
26) L6 Aroclor-1248 {4}	6.01	5.83	134.3E6	157.1E6	285.067	408.529 #
27) L6 Aroclor-1248 {5}	6.28	6.17	108.7E6	78088476	271.838	351.034 #
Sum Aroclor-1248			964.2E6	1351.8E6	2456.711	3181.017
Average Aroclor-1248					491.342	636.203
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

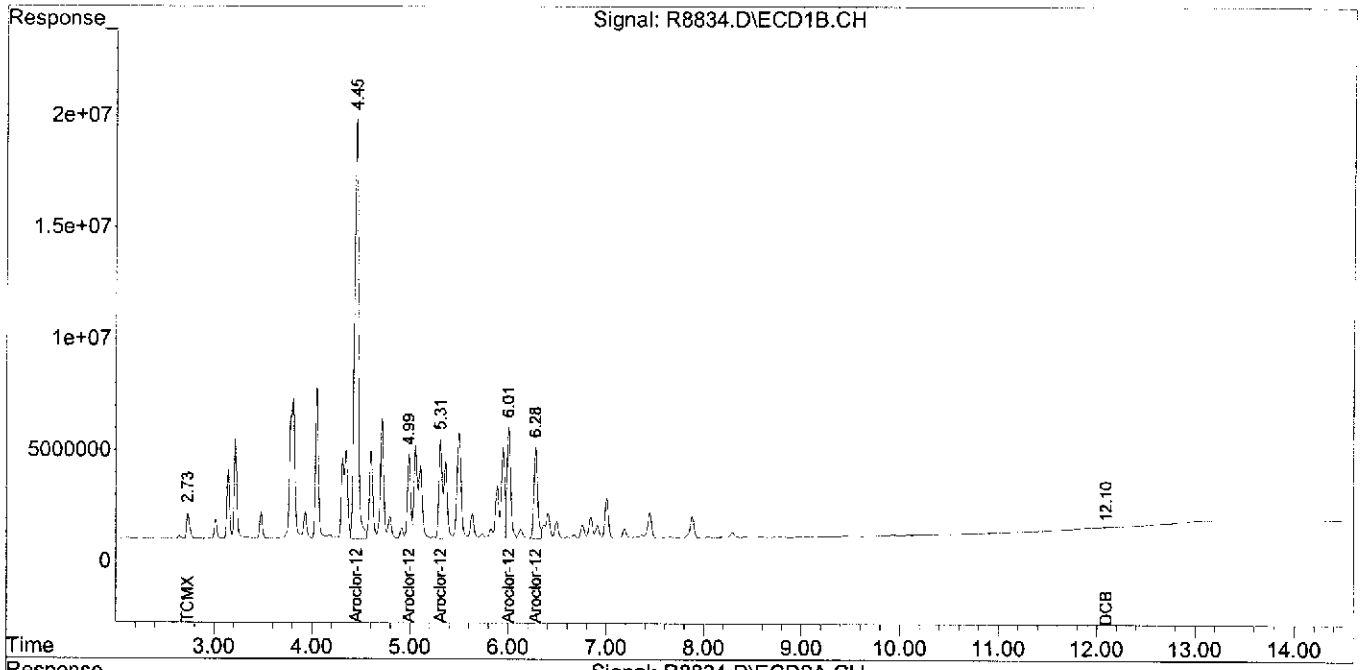
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

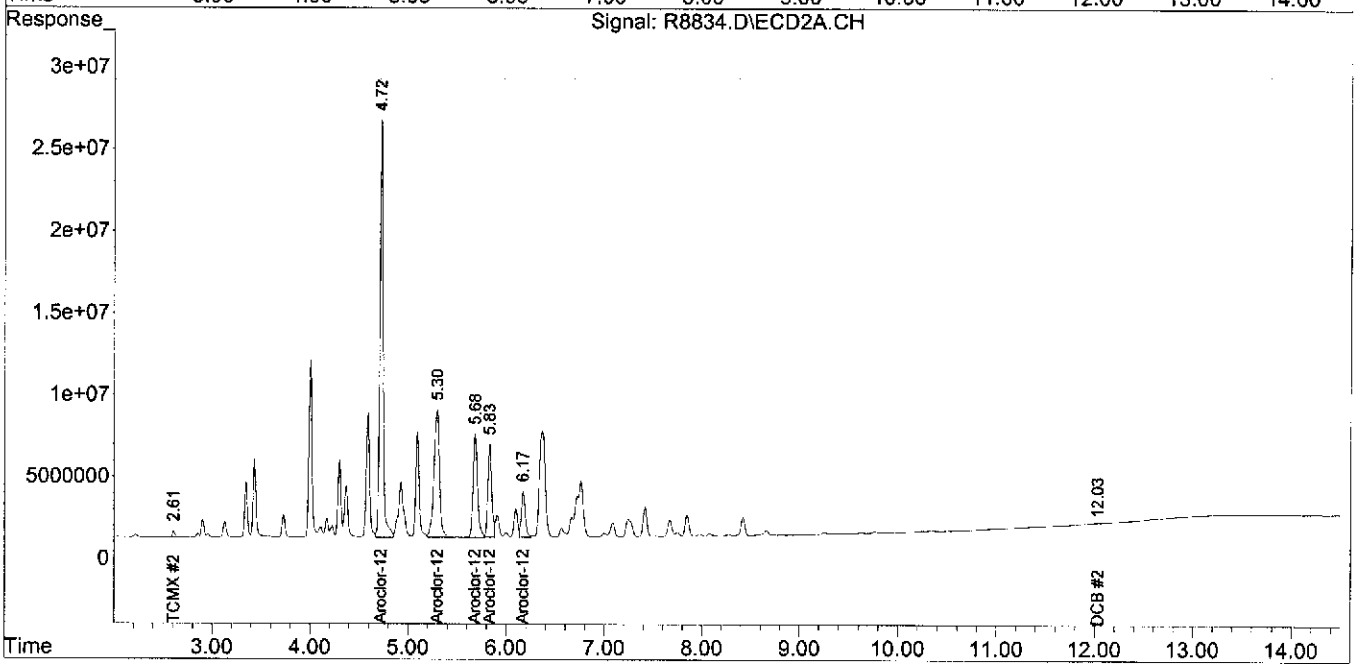
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-16-13\
Data File : R8834.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 16 Apr 2013 10:37
Operator : JS
Sample : R-13W_(0-2,03153-025,S,5.08g,9.20,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,400
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:33:47 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 :





Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8759.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 14:37
Operator : JS
Sample : R-13W_(2.0,03153-026,S,5.35g,11.9,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:06:46 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	1740.5E6	1857.7E6	146.825	159.782
Spiked Amount 200.000			Recovery	=	73.41%	79.89%
2) S DCB	12.10	12.04	454.9E6	512.0E6	145.490	166.631
Spiked Amount 200.000			Recovery	=	72.75%	83.32%
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
23) L6 Aroclor-1248	4.45	4.73	69667130	73925658	165.158	181.472
24) L6 Aroclor-1248 {2}	5.00	5.30	6985362	25997891	27.048	41.317m#
25) L6 Aroclor-1248 {3}	5.32	5.69	5420145	13516373	16.020	29.877m#
26) L6 Aroclor-1248 {4}	6.01	5.84	10672701	10861496	22.660m	28.252m
27) L6 Aroclor-1248 {5}	0.00	6.15	0	24314117	N.D. d	109.300m#
Sum Aroclor-1248			92745338	148.6E6	230.886	390.218
Average Aroclor-1248					57.721	78.044
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

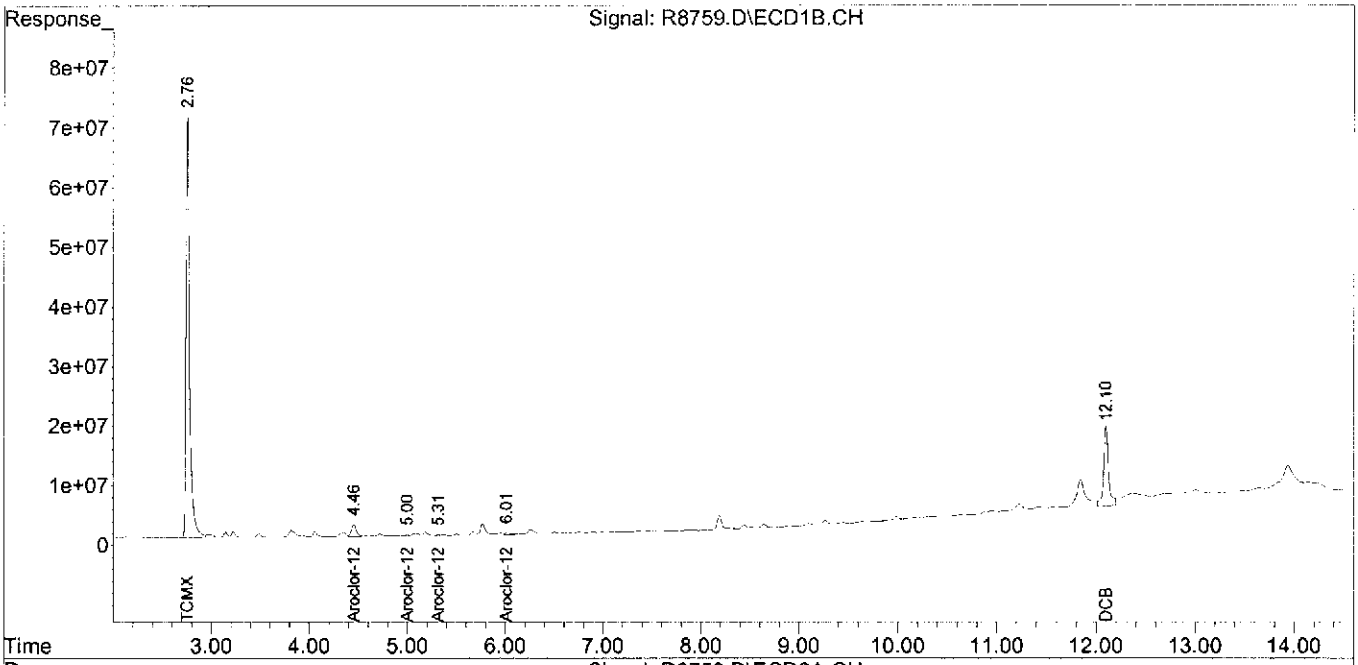
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

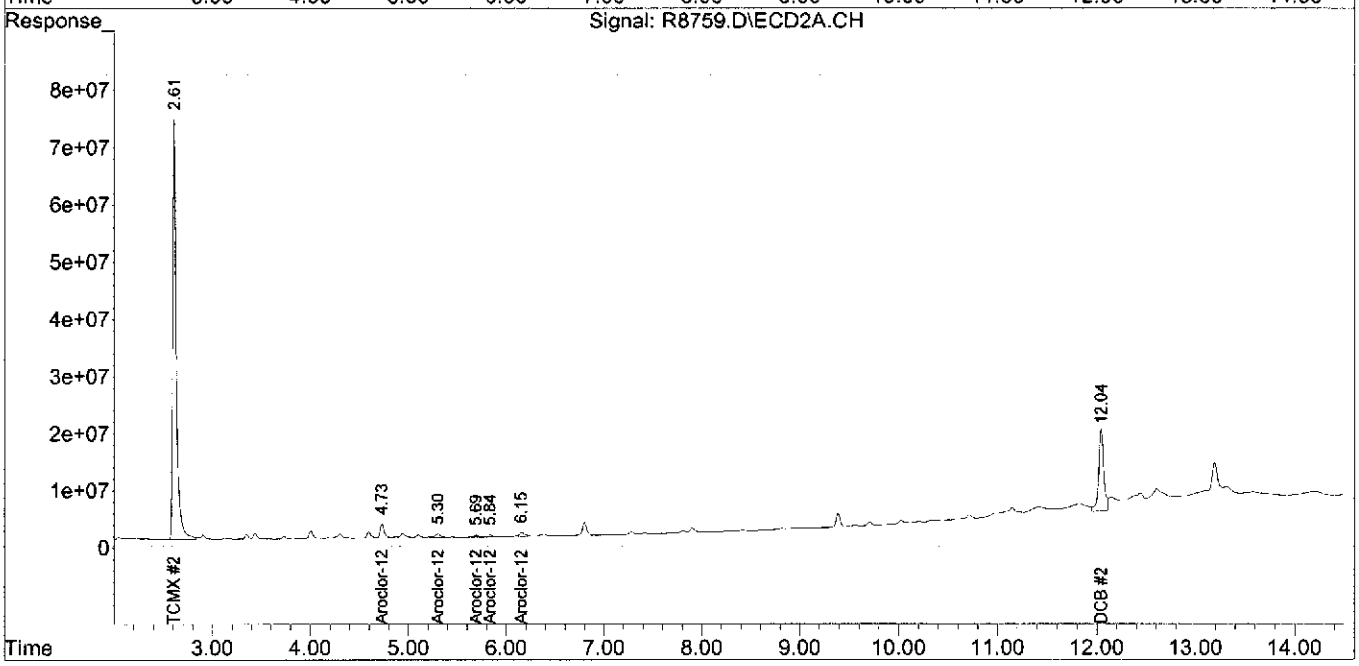
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8759.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 14:37
Operator : JS
Sample : R-13W_(2.0,03153-026,S,5.35g,11.9,04/10/13,4
Misc : 130410-03,04/08/13,04/08/13,1
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 12:06:46 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 : R8685.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 12:57
Operator : JS
Sample : FB-65,03153-027,A,1000ml,100,04/10/13,1
Misc : 130410-06,04/08/13,04/08/13,1
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 16:41:23 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	1498.7E6	1568.3E6	126.427	134.884
Spiked Amount 200.000			Recovery	=	63.21%	67.44%
2) S DCB	12.10	12.04	448.7E6	476.0E6	143.522	154.906
Spiked Amount 200.000			Recovery	=	71.76%	77.45%
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
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

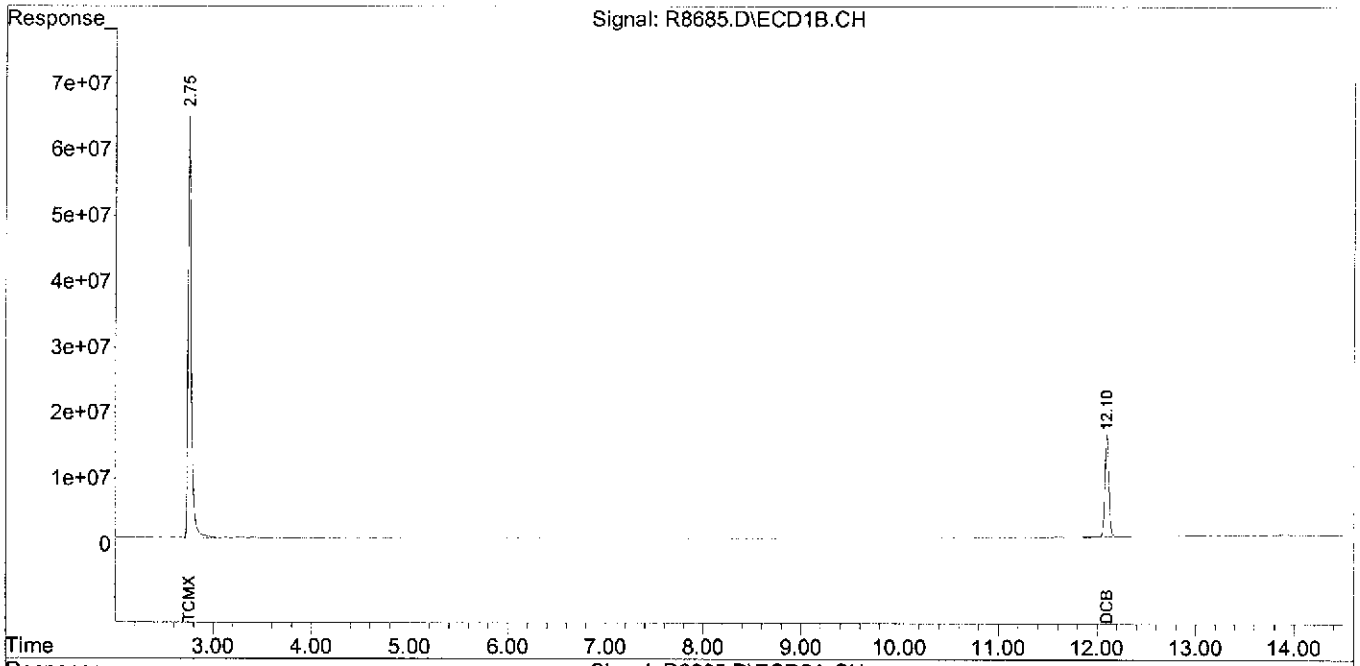
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

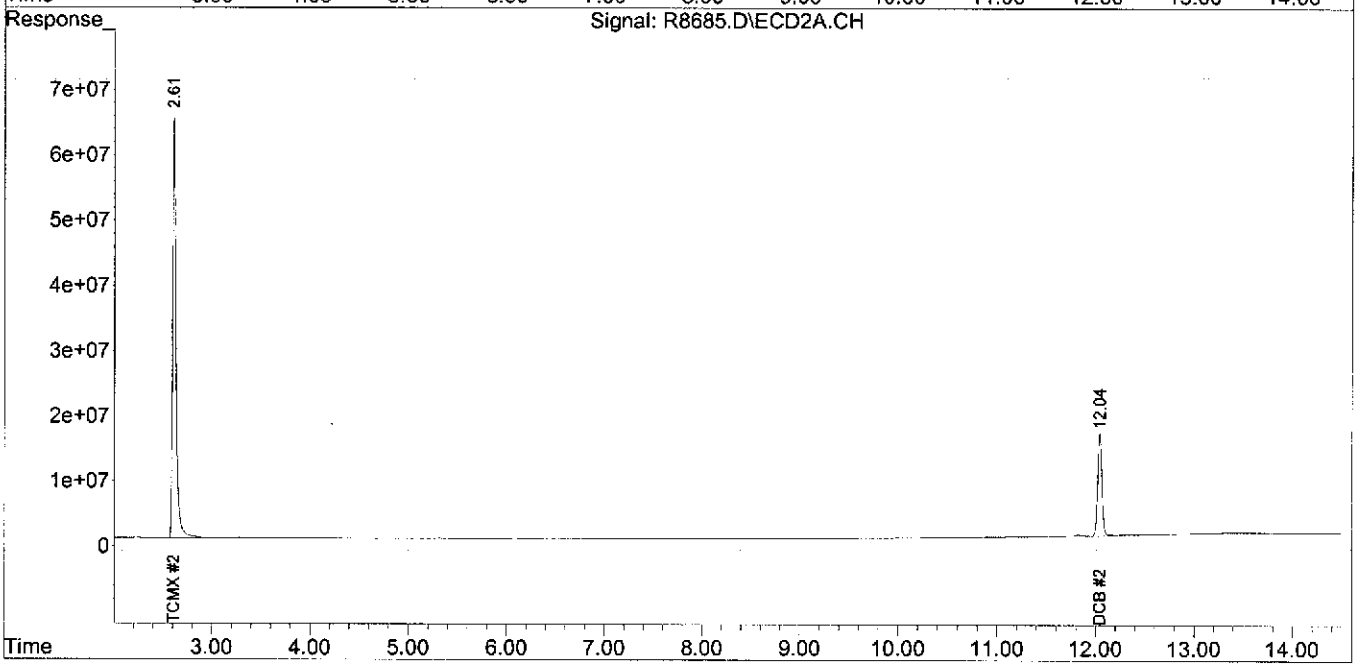
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8685.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 12 Apr 2013 12:57
Operator : JS
Sample : FB-65,03153-027,A,1000ml,100,04/10/13,1
Misc : 130410-06,04/08/13,04/08/13,1
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 12 16:41:23 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: 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

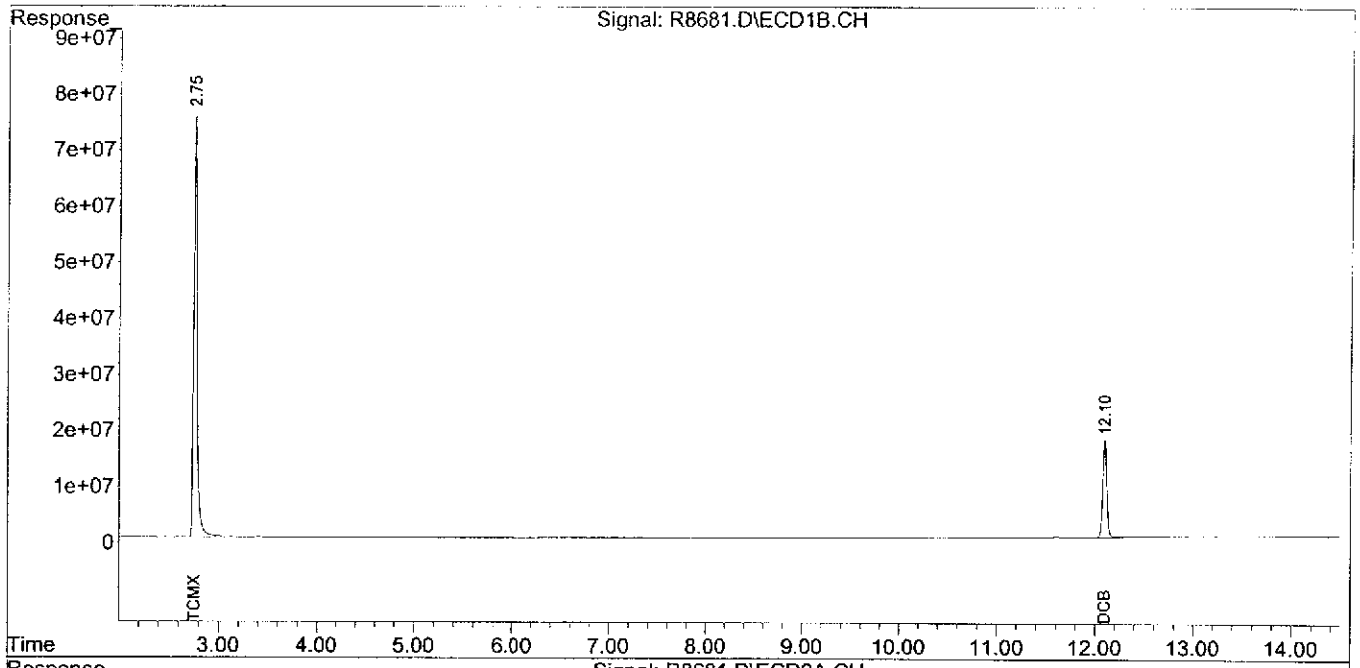
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

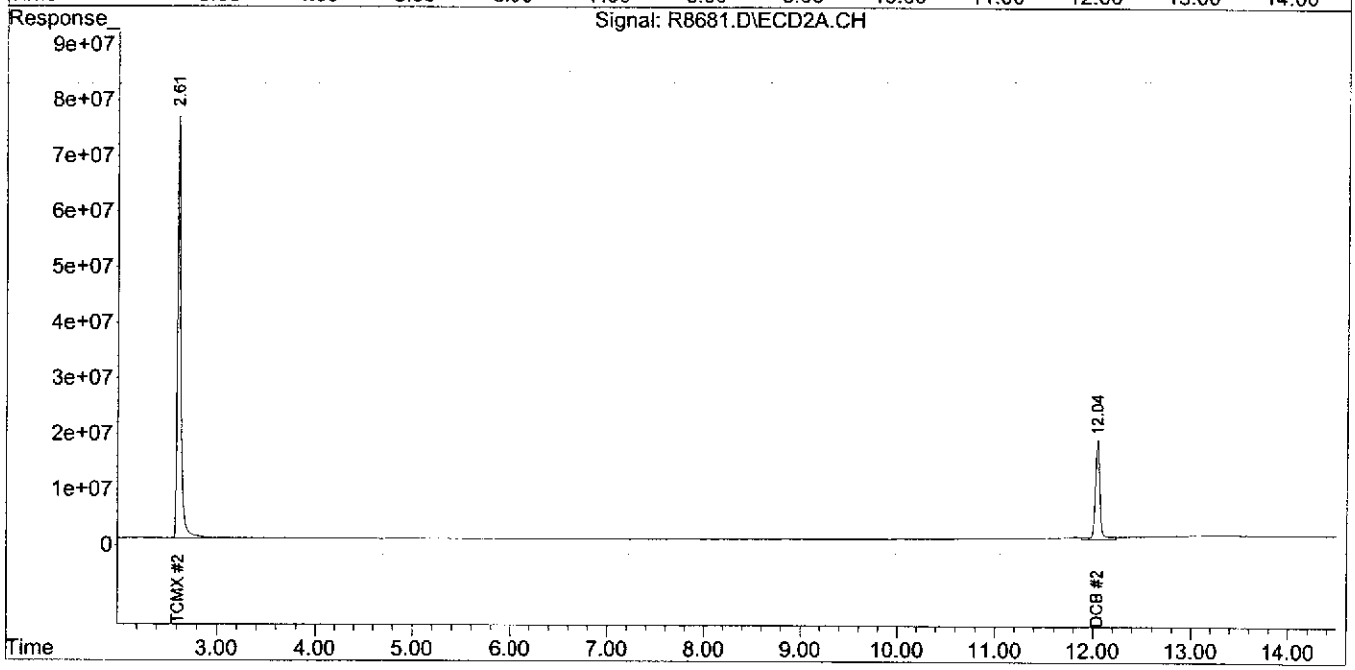
Quantitation Report (QT Reviewed)

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 :





INTEGRATED ANALYTICAL LABORATORIES

PCB's

Lab ID: BLKS130410-03
Client ID: PCB
Date Received: NA
Date Extracted: 04/10/2013
Date Analyzed: 04/13/2013
Data file: R8740.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 : R8740.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 9:05
Operator : JS
Sample : PCB,BLKS130410-03,S,5.00g,0,04/10/13,4
Misc : NA,NA,NA,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 11:04:16 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	1846.8E6	1949.0E6	155.794	167.633
Spiked Amount 200.000			Recovery	=	77.90%	83.82%
2) S DCB	12.10	12.04	497.5E6	532.2E6	159.108	173.194
Spiked Amount 200.000			Recovery	=	79.55%	86.60%
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

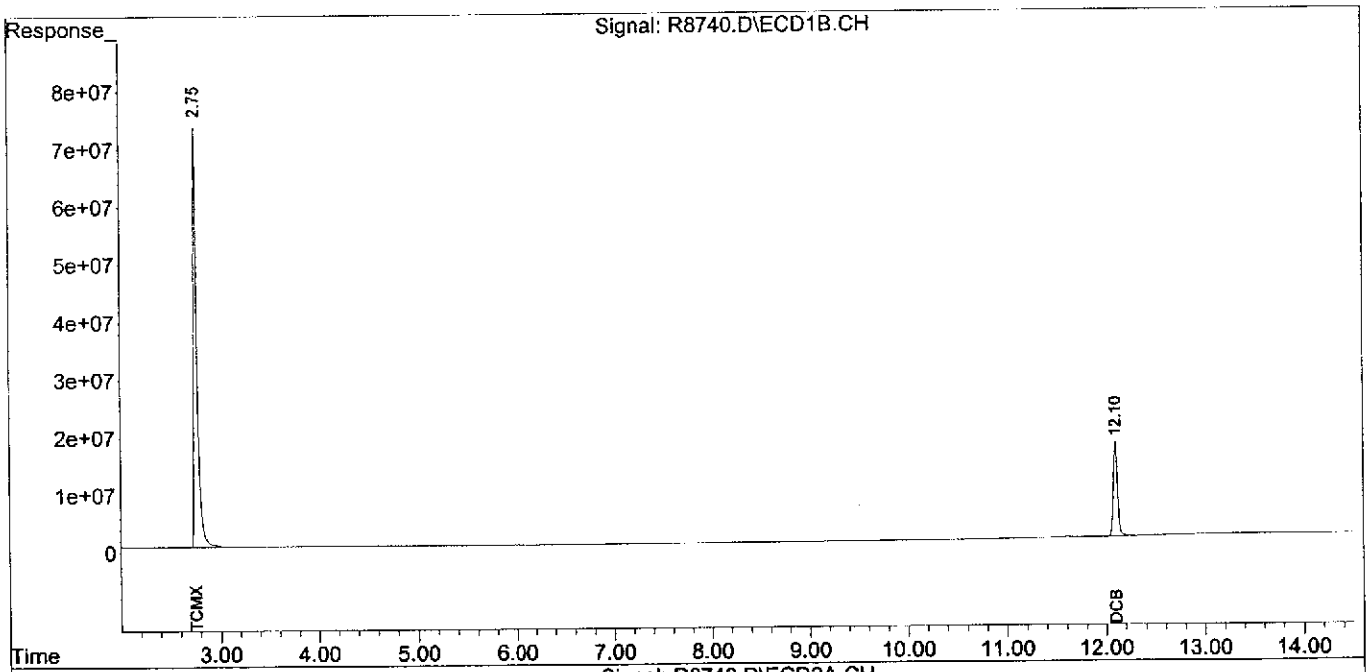
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

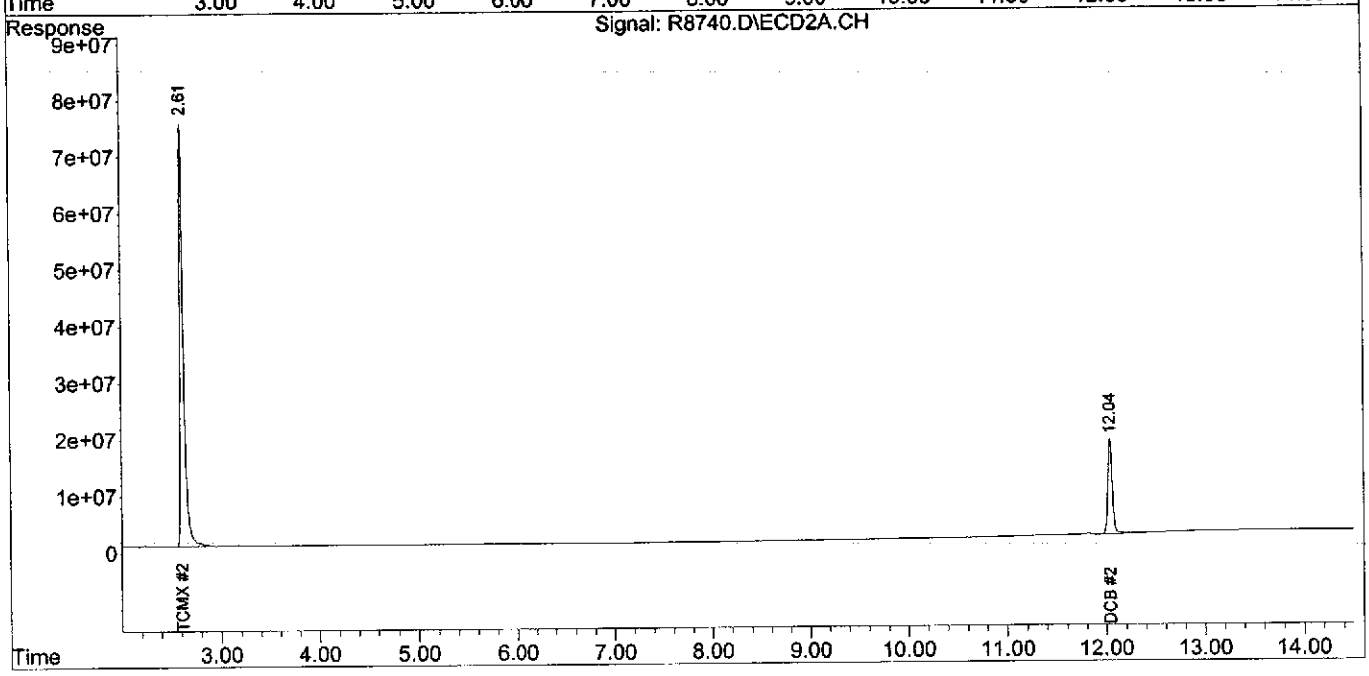
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-12-13\
Data File : R8740.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 13 Apr 2013 9:05
Operator : JS
Sample : PCB,BLKS130410-03,S,5.00g,0,04/10/13,4
Misc : NA,NA,NA,1
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 11:04:16 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: BLKS130409-10
Client ID: PCB
Date Received: NA
Date Extracted: 04/09/2013
Date Analyzed: 04/15/2013
Data file: Y7298.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\04-15-13\
Data File : Y7298.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 18:07
Operator : NG
Sample : PCB,BLKS130409-10,S,5.00g,0,04/09/13,4
Misc : NA,NA,NA,1
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 16:45:05 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	2.80	2.87	20437.4E6	5587.5E6	209.620	134.541 #
Spiked Amount 200.000			Recovery	=	104.81%	67.27%
2) S DCB	12.07	12.39	6674.1E6	1973.6E6	191.286	201.125
Spiked Amount 200.000			Recovery	=	95.64%	100.56%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
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

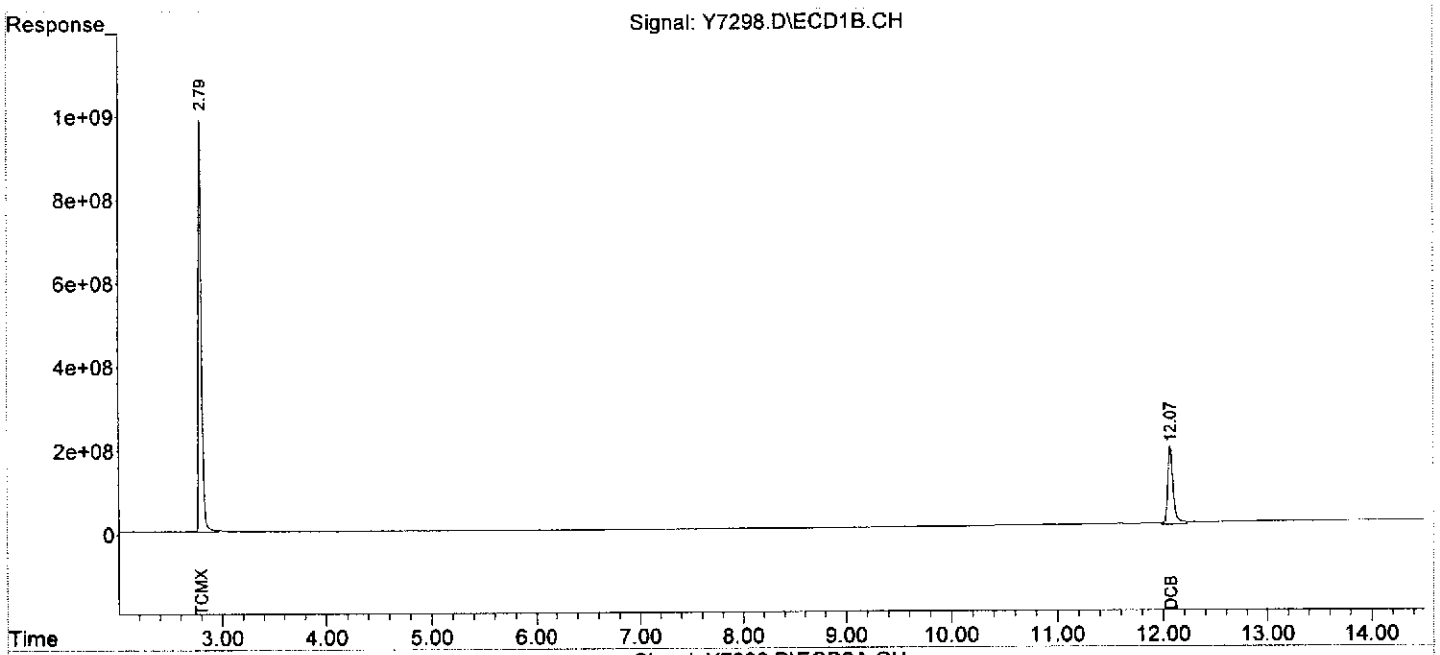
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

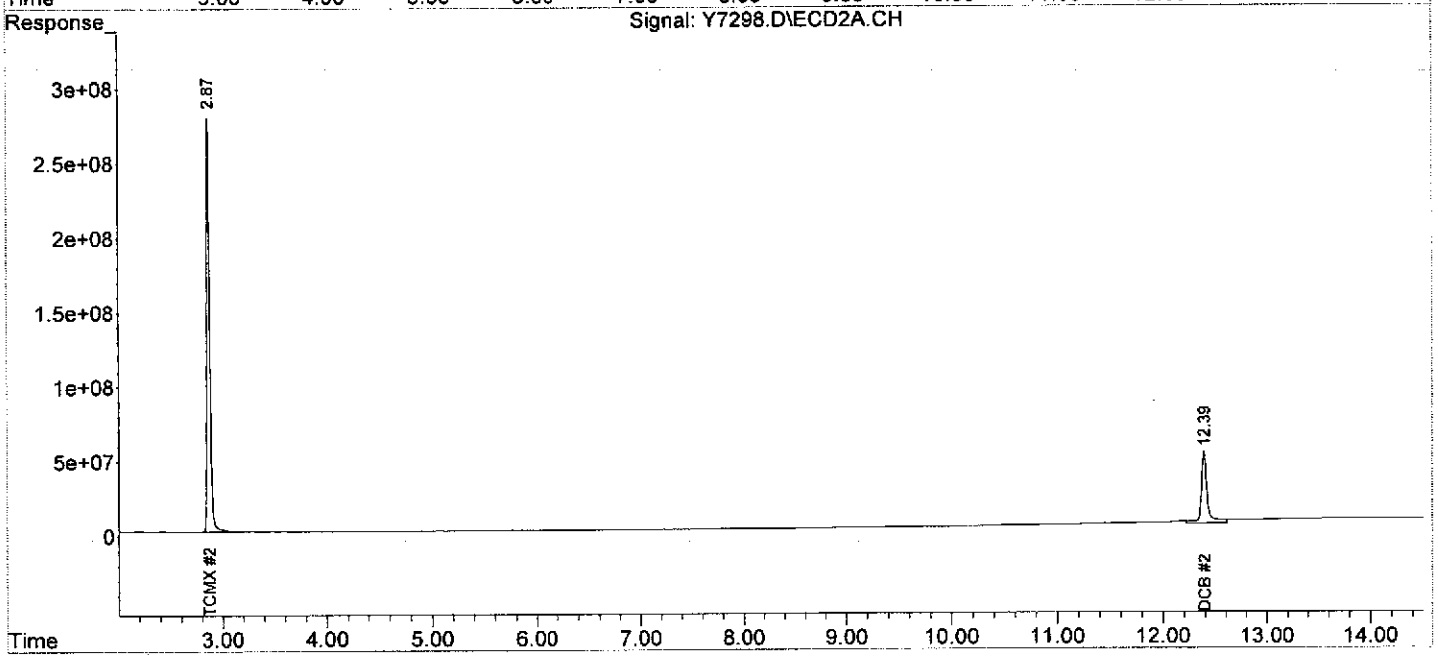
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\04-15-13\
Data File : Y7298.D
Signal(s) : Signal #1: ECD1B.CH Signal #2: ECD2A.CH
Acq On : 15 Apr 2013 18:07
Operator : NG
Sample : PCB,BLKS130409-10,S,5.00g,0,04/09/13,4
Misc : NA,NA,NA,1
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Apr 16 16:45:05 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 :





SAMPLE TRACKING

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

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

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

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify): _____

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

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

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

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

Cooler Temp ___<4___ °C

Sample 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
S-15S (0-2.0)		4/8/13	8:40	S	1	1	x						
S-15W (0-2.0)			8:52	S	1	2	x						
S-14S (2.0-4.0)			9:05	S	1	3	x						
S-15E (0-2.0)			9:18	S	1	4	x						
T-14W (2.0-4.0)			9:38	S	1	5	x						
S-14W (0-2.0)			9:55	S	1	6	x						
S-14W (2.0-4.0)			9:56	S	1	7	x						
S-13S (4.0-6.0)			9:12	S	1	8	x						

Known Hazard: Yes or No Describe: | Conc. Expected: Low Med High | MDL Req: GWQS (11/03) - 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:	4/8/13	1530	Received by: IAL	4/8/13	15:30
Relinquished by: IAL	4/8/13	16:45	Received by:	4/8/13	1645
Relinquished by:			Received by:		
Relinquished by:			Received by:		
Relinquished by:			Received by:		

Comments:

Lab Case # 03153

PAGE: 1 of 4

COPIES - WHITE & YELLOW; CLIENT COPY - PINK

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

10/2010 rev

01146

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

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

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

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

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

PHC - MUST CHOOSE

NJ EPH DRO (5 day TAT) — NJ EPH Fractionated (5 day TAT)
NJ EPH - C40 (5 day TAT)
DRO-8015 (3-5 day TAT) — QAM025 (5 day TAT)

Verbal/Fax: Std 2 wk unless otherwise specified
24 hr** 48 hr** 72 hr** 96 hr** 1 wk**
Other** (specify):
Hard Copy: Std 3 week * — Other - call for price

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

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

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

Cooler Temp <4 4 °C

SAMPLE INFORMATION

Sample Matrix: DW - Drinking Water AQ - Aqueous WW - Waste Water OI - Oil LIQ - Liquid (Specify) OT - Other (Specify) S - Soil SL - Sludge SOL - Solid 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
R-13E (4.0-6.0)		4/8/13	10:30	S	1	9	x						
S-13E (0-2.0)			11:08	S	1	10	x						
S-13E (2.0-4.0)			11:09	S	1	11	x						
S-13E (4.0-6.0)			11:10	S	1	12	x						
S-13N (4.0-6.0)			11:25	S	1	13	x						
S-12E (0-2.0)			11:40	S	1	14	x						
S-12E (2.0-4.0)			11:41	S	1	15	x						
S-12N (0-2.0)			12:02	S	1	16	x						

Known Hazard: Yes or No Describe: — Conc. Expected: Low Med High — MDL Req: GWQS (11/05) - SRS - SRS/IGW - SRS Residential - OTHER (SEE COMMENTS)

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

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

	Signature/Company	Date	Time		Signature/Company	Date	Time
Relinquished by:	[illegible]	4/8/13	15:30	Received by:	[illegible] IAL	4/8/13	15:30
Relinquished by:	[illegible] IAL	4/8/13	16:45	Received by:	[illegible]	4/8/13	1645
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 03153

PAGE: 2 of 4

5 COPIES - WHITE & YELLOW; CLIENT COPY - PINK

0147

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

10/2010 rev

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

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

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp 4 °C

Sample 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
S-12N (2.0-4.0)		4/8/13	12:03	S	1	17	x						
Z-16 (0-2.0)			1:24	S	1	18	x						
R-11W (2.0-4.0)			1:43	S	1	19	x						
R-11N (2.0-4.0)			2:05	S	1	20	x						
R-11E (2.0-4.0)			2:20	S	1	21	x						
R-12N (0-2.0)			2:30	S	1	22	x						
R-13N (0-2.0)			2:45	S	1	23	x						
R-13N (2.0-4.0)			2:46	S	1	24	x						

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

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

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

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

	Signature/Company	Date	Time		Signature/Company	Date	Time
Relinquished by:		4/8/13	15:30	Received by:	/ IAL	4/8/13	15:30
Relinquished by:	IAL	4/8/13	16:45	Received by:		4/8/13	1645
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 03153

PAGE: 3 of 4

COPIES - WHITE & YELLOW; CLIENT COPY - PINK

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

10/2010 rev

0148

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

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

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

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

PHC - MUST CHOOSE

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

NJ EPH - C40 (5 day TAT)

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

Verbal/Fax: Std 2 wk unless otherwise specified

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

Other** (specify):

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

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

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

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

Cooler Temp <4 4 °C

SAMPLE INFORMATION

Sample Matrix: DW - Drinking Water AQ - Aqueous WW - Waste Water OI - Oil LIQ - Liquid (Specify) OT - Other (Specify) S - Soil SL - Sludge SOL - Solid 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
R-13W (0-2.0)		4/8/13	3:00	S	1	25	X						
R-13W (2.0-4.0)		↓	3:01	S	1	26	X						
FB-65		↓	3:10	aq	2	27	X						
							X						
							X						
							X						
							X						
							X						

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

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

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

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

	Signature/Company	Date	Time		Signature/Company	Date	Time
Relinquished by:	[signature]	4/8/13	1530	Received by:	[signature] IAL	4/8/13	15:30
Relinquished by:	[signature] IAL	4/8/13	16:45	Received by:	[signature]	4/8/13	1645
Relinquished by:				Received by:			
Relinquished by:				Received by:			
Relinquished by:				Received by:			

Comments:

Lab Case # 03153

PAGE: 4 of 4

5 COPIES - WHITE & YELLOW; CLIENT COPY - PINK

0146

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

10/2010 rev

PROJECT INFORMATION

E13-03153

Case No. E13-03153 **Project** ARSYNCO

Customer	**JMC Environmental Consultants**	**P.O. #**	22126
Contact	Jim Clabby	**Received**	4/8/2013 16:45
EMail	jclabby@jmcenvironmental.com; ahallgreen@jmcenvironmental.co tadams@jmcenvironmental.com; ☑ EMail EDDs	**Verbal Due**	4/22/2013
Phone	(732) 295-7044 **Fax** (732) 295-2150	**Report Due**	4/29/2013
Report To	closch@jmcenvironmental.com	**Bill To**	
2109 Bridge Avenue		Aceto Corp.	
Building B		4 Tri Harbor Court	
Point Pleasant, NJ 08742		Port Washington, NY 11050	
Attn: Jim Clabby		Attn: Mr. Ed Kelly	

Report Format **Reduced**

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
03153-001	S-15S (0-2.0)	0 / 2	4/8/2013@08:40	Soil	mg/Kg	1
03153-002	S-15W (0-2.0)	0 / 2	4/8/2013@08:52	Soil	mg/Kg	1
03153-003	S-14S (2.0-4.0)	2 / 4	4/8/2013@09:05	Soil	mg/Kg	1
03153-004	S-15E (0-2.0)	0 / 2	4/8/2013@09:18	Soil	mg/Kg	1
03153-005	T-14W (2.0-4.0)	2 / 4	4/8/2013@09:38	Soil	mg/Kg	1
03153-006	S-14W (0-2.0)	0 / 2	4/8/2013@09:55	Soil	mg/Kg	1
03153-007	S-14W (2.0-4.0)	2 / 4	4/8/2013@09:56	Soil	mg/Kg	1
03153-008	S-13S (4.0-6.0)	4 / 6	4/8/2013@10:12	Soil	mg/Kg	1
03153-009	R-13E (4.0-6.0)	4 / 6	4/8/2013@10:30	Soil	mg/Kg	1
03153-010	S-13E (0-2.0)	0 / 2	4/8/2013@11:08	Soil	mg/Kg	1
03153-011	S-13E (2.0-4.0)	2 / 4	4/8/2013@11:09	Soil	mg/Kg	1
03153-012	S-13E (4.0-6.0)	4 / 6	4/8/2013@11:10	Soil	mg/Kg	1
03153-013	S-13N (4.0-6.0)	4 / 6	4/8/2013@11:25	Soil	mg/Kg	1
03153-014	S-12E (0-2.0)	0 / 2	4/8/2013@11:40	Soil	mg/Kg	1
03153-015	S-12E (2.0-4.0)	2 / 4	4/8/2013@11:41	Soil	mg/Kg	1
03153-016	S-12N (0-2.0)	0 / 2	4/8/2013@12:02	Soil	mg/Kg	1
03153-017	S-12N (2.0-4.0)	2 / 4	4/8/2013@12:03	Soil	mg/Kg	1
03153-018	Z-16 (0-2.0)	0 / 2	4/8/2013@13:24	Soil	mg/Kg	1
03153-019	R-11W (2.0-4.0)	2 / 4	4/8/2013@13:43	Soil	mg/Kg	1
03153-020	R-11N (2.0-4.0)	2 / 4	4/8/2013@14:05	Soil	mg/Kg	1
03153-021	R-11E (2.0-4.0)	2 / 4	4/8/2013@14:20	Soil	mg/Kg	1
03153-022	R-12N (0-2.0)	0 / 2	4/8/2013@14:30	Soil	mg/Kg	1
03153-023	R-13N (0-2.0)	0 / 2	4/8/2013@14:45	Soil	mg/Kg	1
03153-024	R-13N (2.0-4.0)	2 / 4	4/8/2013@14:46	Soil	mg/Kg	1
03153-025	R-13W (0-2.0)	0 / 2	4/8/2013@15:00	Soil	mg/Kg	1
03153-026	R-13W (2.0-4.0)	2 / 4	4/8/2013@15:01	Soil	mg/Kg	1
03153-027	FB-65	n/a	4/8/2013@15:10	Aqueous	mg/L	2

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

PROJECT INFORMATION

E13-03153

Case No. E13-03153 **Project** ARSYNCO

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	Run	8082
017	TCL PCB	Run	8082
018	TCL PCB	Run	8082
019	TCL PCB	Run	8082
020	TCL PCB	Run	8082
021	TCL PCB	Run	8082
022	TCL PCB	Run	8082
023	TCL PCB	Run	8082
024	TCL PCB	Run	8082
025	TCL PCB	Run	8082
026	TCL PCB	Run	8082
027	TCL PCB	Run	8082

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 13** **03153** CLIENT: JMC

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

COC: (COMPLETE) / INCOMPLETE

Comments

KEY

✓ = **YES/NA**
✗ = **NO**

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

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

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

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

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL [signature] DATE 4/8/13

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

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

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

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [signature] DATE 4.9.13

Laboratory Custody Chronicle

IAL Case No.

E13-03153

Client JMC Environmental Consultants

Project ARSYNCO

Received On 4/ 8/2013@16:45

Department: GC

			Prep. Date	Analyst	Analysis Date	Analyst
TCL PCB	03153-001	Soil	4/ 9/13	Archimede	4/15/13	Justyna
"	-002	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-003	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-004	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-005	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-006	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-007	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-008	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-009	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-010	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-011	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-012	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-013	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-014	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-015	"	4/ 9/13	Archimede	4/15/13	Justyna
"	-016	"	4/10/13	Archimede	4/15/13	Justyna
"	-017	"	4/10/13	Archimede	4/12/13	Justyna
"	-018	"	4/10/13	Archimede	4/15/13	Justyna
"	-019	"	4/10/13	Archimede	4/12/13	Justyna
"	-020	"	4/10/13	Archimede	4/12/13	Justyna
"	-021	"	4/10/13	Archimede	4/12/13	Justyna
"	-022	"	4/10/13	Archimede	4/15/13	Justyna
"	-023	"	4/10/13	Archimede	4/15/13	Justyna
"	-024	"	4/10/13	Archimede	4/12/13	Justyna
"	-025	"	4/10/13	Archimede	4/16/13	Justyna
"	-026	"	4/10/13	Archimede	4/12/13	Justyna
"	-027	Aqueous	4/10/13	Archimede	4/12/13	Justyna

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288